

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091919\
 Data File : VX012521.D
 Acq On : 19 Sep 2019 12:27
 Operator : JC/SP
 Sample : VX0919MBS01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:45:03 AM

Quant Time: Sep 20 05:01:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	198058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	327788	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	139559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	130422	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	5.48	113	95493	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	8.71	98	350300	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.13	95	138743	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	24637	18.890	ug/l	99
3) Chloromethane	1.32	50	20605	18.923	ug/l	95
4) Vinyl Chloride	1.40	62	22922	19.477	ug/l	99
5) Bromomethane	1.63	94	11186	24.193	ug/l	93
6) Chloroethane	1.72	64	16718	18.153	ug/l	98
7) Trichlorofluoromethane	1.92	101	44149	20.464	ug/l	100
8) Diethyl Ether	2.18	74	18064	18.538	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	31038	19.884	ug/l	98
10) Methyl Iodide	2.50	142	21909	19.345	ug/l	96
11) Tert butyl alcohol	3.03	59	63643	84.526	ug/l	100
12) 1,1-Dichloroethene	2.36	96	24520	19.692	ug/l	98
13) Acrolein	2.28	56	16470	64.832	ug/l	96
14) Allyl chloride	2.72	41	55791	19.245	ug/l	99
15) Acrylonitrile	3.13	53	116352	94.591	ug/l	100
16) Acetone	2.43	43	123906	90.452	ug/l	99
17) Carbon Disulfide	2.56	76	30618	18.565	ug/l	100
18) Methyl Acetate	2.76	43	57630	19.484	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	132460	19.510	ug/l	98
20) Methylene Chloride	2.84	84	33484	19.491	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	25279	19.550	ug/l	94
22) Diisopropyl ether	3.84	45	130306	19.197	ug/l	99
23) Vinyl Acetate	3.80	43	542438	97.147	ug/l	99
24) 1,1-Dichloroethane	3.69	63	66150	20.368	ug/l	98
25) 2-Butanone	4.66	43	176674	89.727	ug/l	99
26) 2,2-Dichloropropane	4.57	77	59195	18.533	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	38083	19.716	ug/l	99
28) Bromochloromethane	5.00	49	31703	18.935	ug/l	96
29) Tetrahydrofuran	5.11	42	103556	95.201	ug/l	99
30) Chloroform	5.20	83	72755	19.506	ug/l	99
31) Cyclohexane	5.57	56	40131	20.470	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	61041	19.581	ug/l	100
36) 1,1-Dichloropropene	5.79	75	38524	19.338	ug/l	96
37) Ethyl Acetate	4.82	43	60303	19.720	ug/l	99
38) Carbon Tetrachloride	5.77	117	47938	19.348	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	39398	20.344	ug/l	97
40) Benzene	6.13	78	129801	20.490	ug/l	100
41) Methacrylonitrile	5.03	41	37411	19.000	ug/l	97
42) 1,2-Dichloroethane	6.18	62	57728	19.647	ug/l	100
43) Isopropyl Acetate	6.43	43	104855	19.105	ug/l	99
44) Trichloroethene	7.21	130	34811	20.890	ug/l	98
45) 1,2-Dichloropropane	7.51	63	38031	19.541	ug/l	100
46) Dibromomethane	7.65	93	25394	20.163	ug/l	97
47) Bromodichloromethane	7.89	83	55311	19.724	ug/l	97
48) Methyl methacrylate	7.76	41	48338	18.684	ug/l	97
49) 1,4-Dioxane	7.73	88	22228	353.007	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	343699	95.491	ug/l	99
52) Toluene	8.78	92	84340	20.661	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	56039	19.224	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	59843	19.829	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	41575	19.769	ug/l	98
56) Ethyl methacrylate	9.17	69	64135	19.505	ug/l	99
57) 1,3-Dichloropropane	9.37	76	67880	20.230	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	177850	104.492	ug/l	98
59) 2-Hexanone	9.48	43	262090	93.336	ug/l	99
60) Dibromochloromethane	9.57	129	42514	19.846	ug/l	99
61) 1,2-Dibromoethane	9.67	107	39982	20.816	ug/l	100
64) Tetrachloroethene	9.33	164	30832	22.956	ug/l	95
65) Chlorobenzene	10.14	112	98113	20.281	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	41489	20.665	ug/l	98
67) Ethyl Benzene	10.24	91	168482	20.271	ug/l	99
68) m/p-Xylenes	10.35	106	124478	41.162	ug/l	99
69) o-Xylene	10.70	106	64522	20.747	ug/l	100
70) Styrene	10.71	104	113602	20.645	ug/l	99
71) Bromoform	10.85	173	28212	18.253	ug/l #	97
73) Isopropylbenzene	11.01	105	180830	20.651	ug/l	99
74) N-amyl acetate	10.89	43	89824	19.053	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	67095	19.533	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	64458m	20.107	ug/l	
77) Bromobenzene	11.25	156	44001	20.604	ug/l	99
78) n-propylbenzene	11.35	91	195219	20.003	ug/l	98
79) 2-Chlorotoluene	11.42	91	126737	19.961	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	154062	20.630	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	18639	18.069	ug/l	89
82) 4-Chlorotoluene	11.51	91	145955	20.030	ug/l	99
83) tert-Butylbenzene	11.76	119	156037	19.499	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	156443	20.403	ug/l	98
85) sec-Butylbenzene	11.94	105	175570	19.911	ug/l	100
86) p-Isopropyltoluene	12.06	119	160054	19.767	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	81532	20.296	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	82980	20.109	ug/l	98
89) n-Butylbenzene	12.38	91	134743	18.651	ug/l	99
90) Hexachloroethane	12.59	117	27548	18.555	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	84634	20.157	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16638	18.683	ug/l	98

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ClientSampleId :
VX0919MBS01

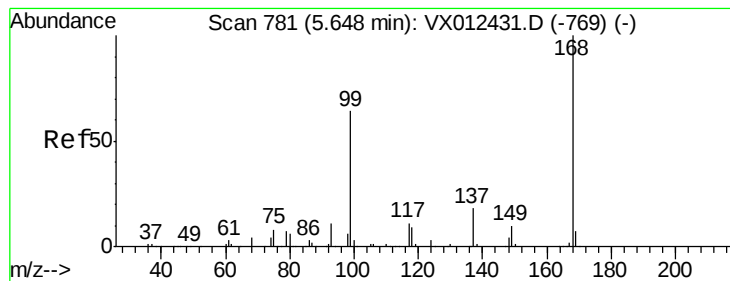
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	51507	19.045	ug/l	97
94) Hexachlorobutadiene	13.78	225	23152	18.164	ug/l	99
95) Naphthalene	13.83	128	191684	19.920	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	54925	19.930	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion:168 Resp: 198058

Ion Ratio Lower Upper

168 100

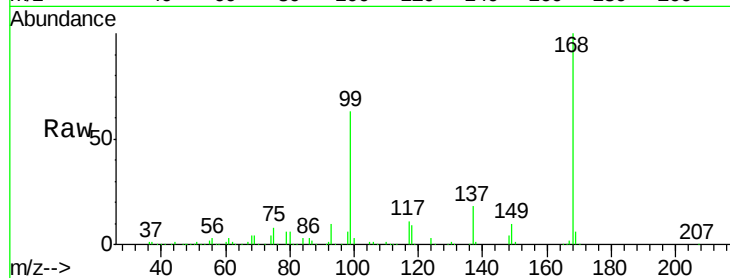
99 62.9 51.4 77.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

40000

20000

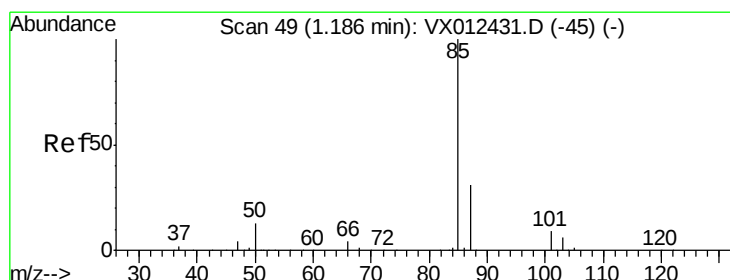
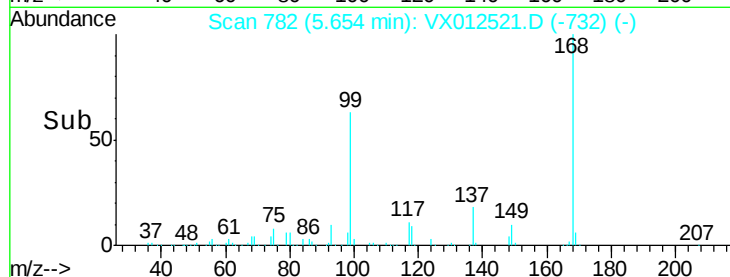
0

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 18.890 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012521.D

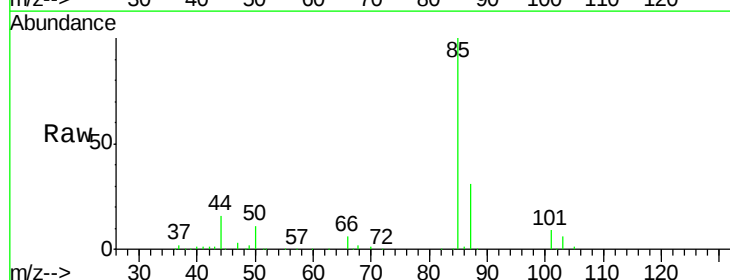
Acq: 19 Sep 2019 12:27

Tgt Ion: 85 Resp: 24637

Ion Ratio Lower Upper

85 100

87 30.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

15000

10000

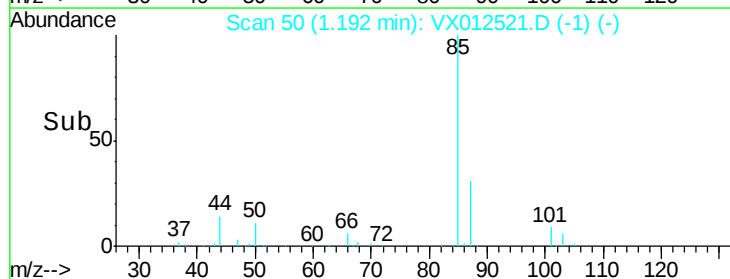
5000

0

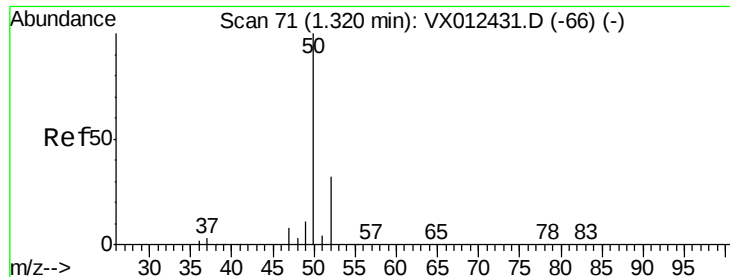
1.15

1.20

1.25



Time-->



#3

Chloromethane

Concen: 18.923 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 50 Resp: 20605

Ion Ratio Lower Upper

50 100

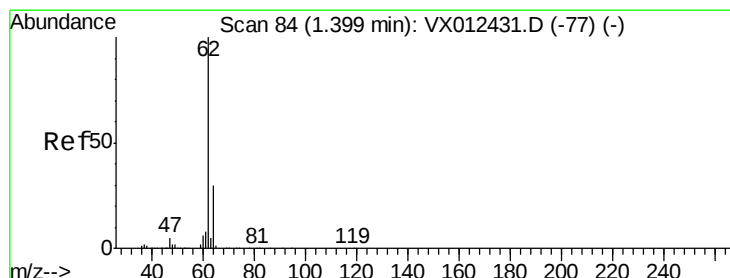
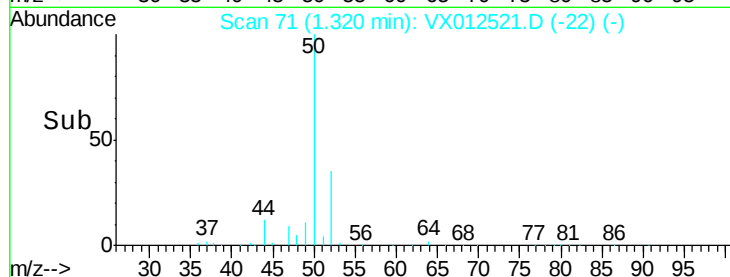
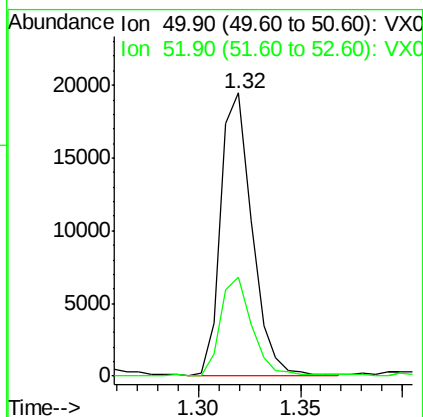
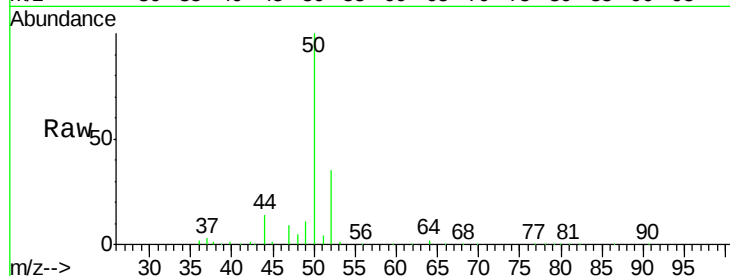
52 34.7 25.7 38.5

Manual Integrations

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9/20/2019 10:45:03 AM



#4

Vinyl Chloride

Concen: 19.477 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012521.D

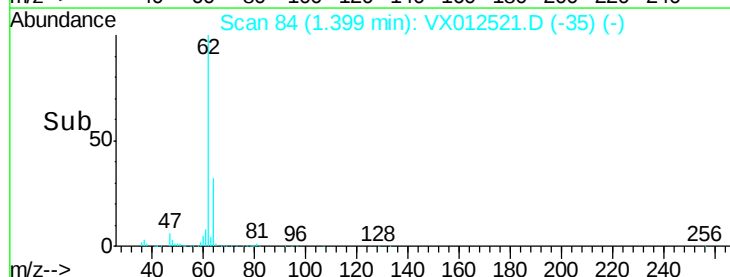
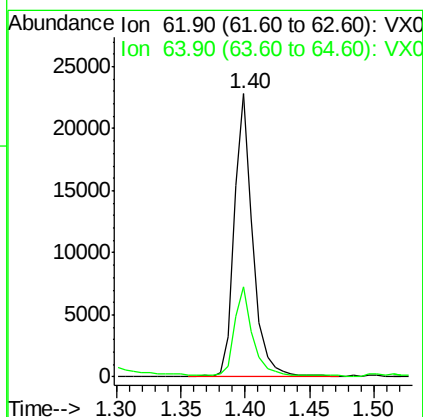
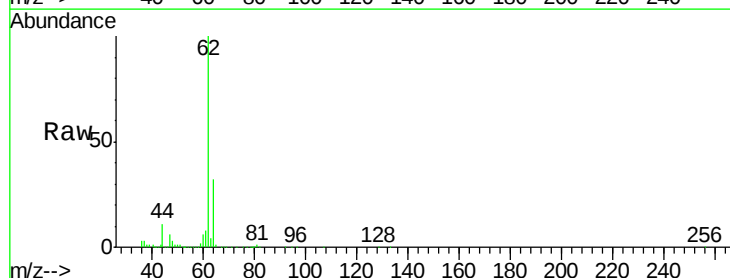
Acq: 19 Sep 2019 12:27

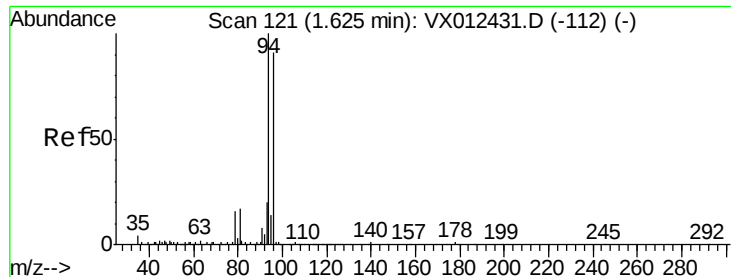
Tgt Ion: 62 Resp: 22922

Ion Ratio Lower Upper

62 100

64 30.9 24.2 36.2





#5

Bromomethane

Concen: 24.193 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 94 Resp: 11186

Ion Ratio Lower Upper

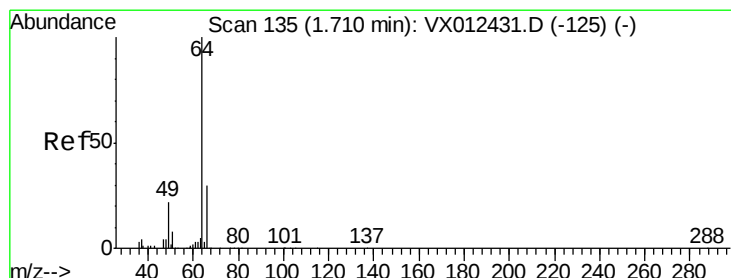
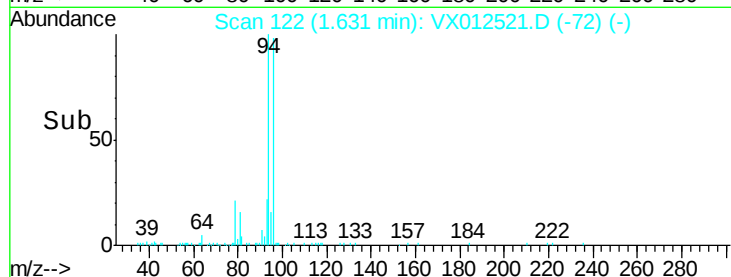
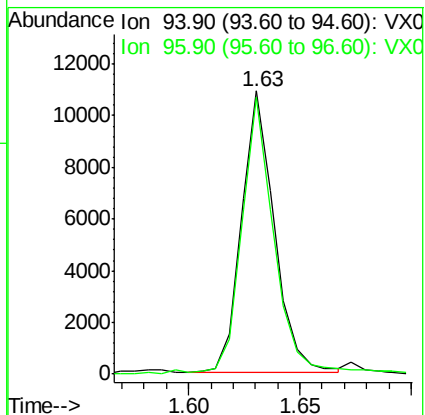
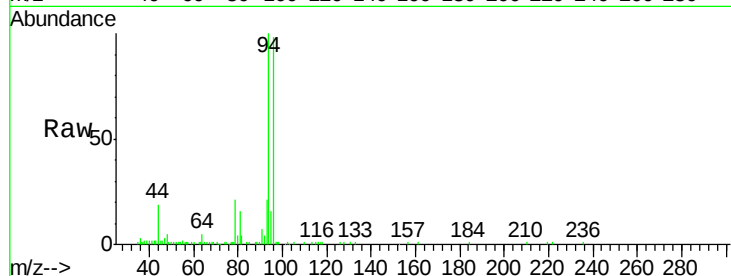
94 100

96 98.0 72.8 109.2

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 18.153 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012521.D

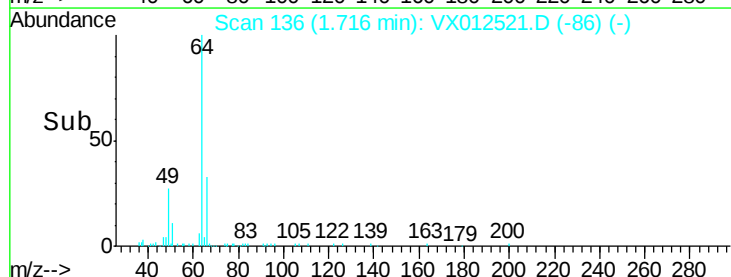
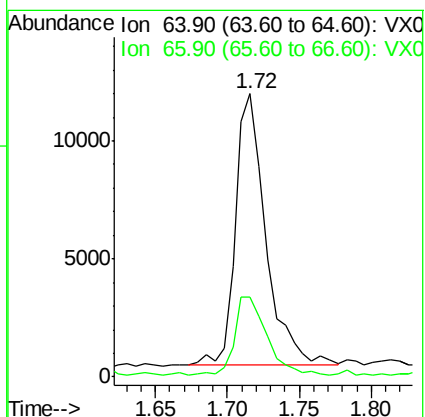
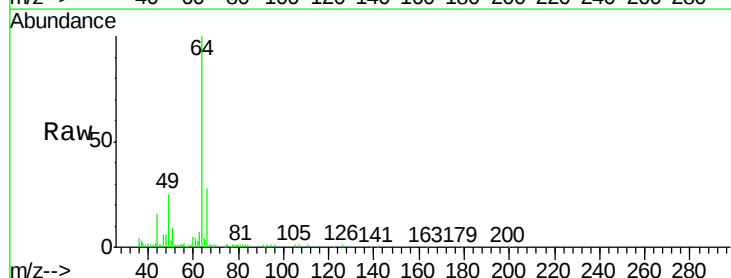
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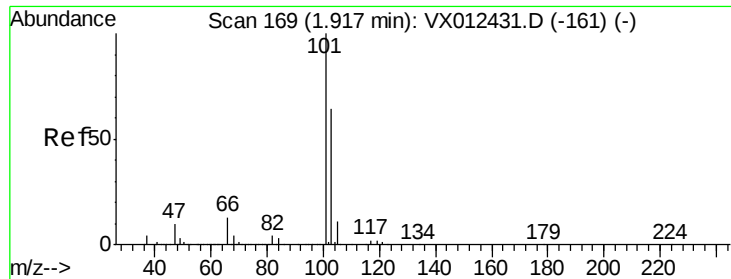
Tgt Ion: 64 Resp: 16718

Ion Ratio Lower Upper

64 100

66 28.7 24.0 36.0





#7

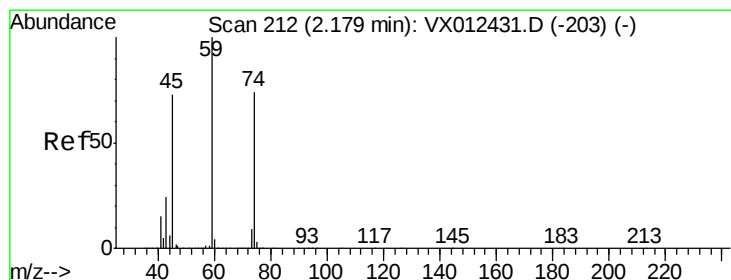
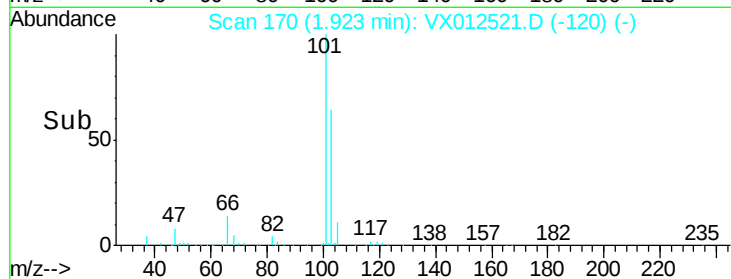
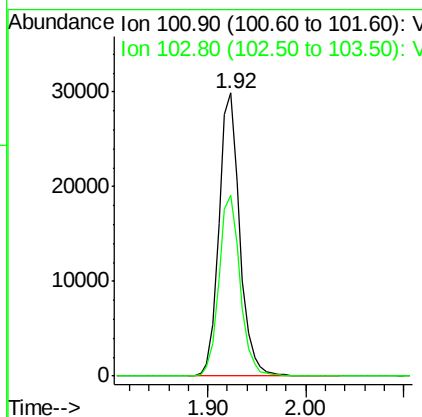
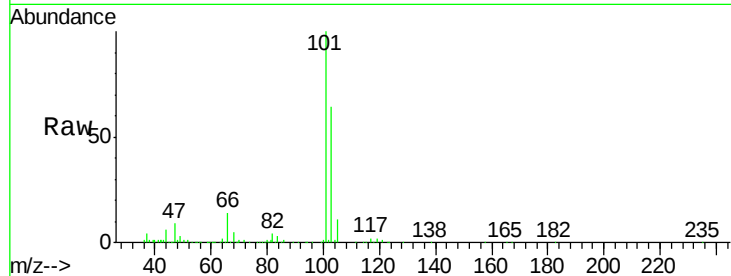
Trichlorofluoromethane
Concen: 20.464 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
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VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	44149		
103	63.9	51.0	76.4	

Manual Integrations
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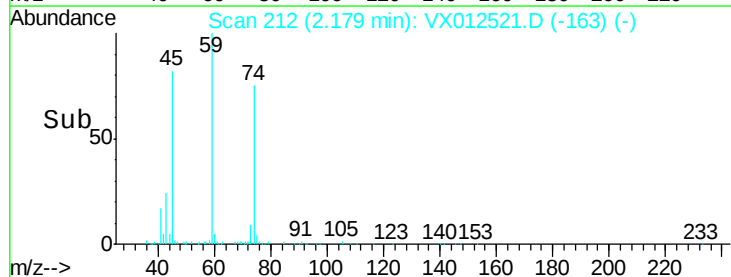
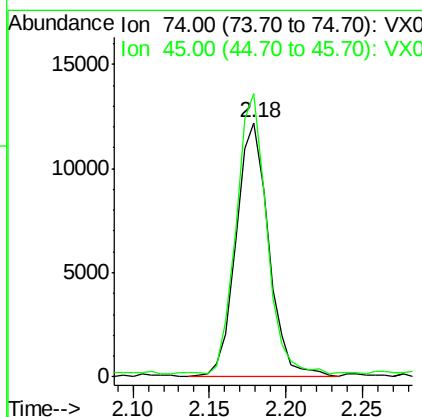
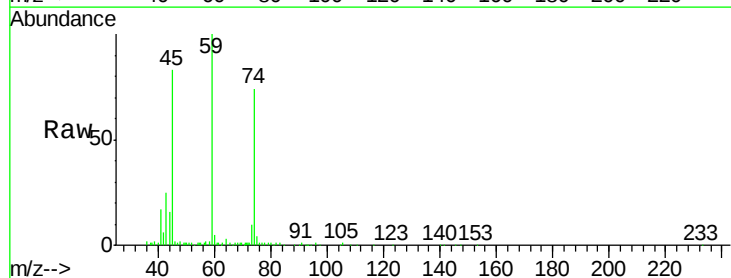
MMDadoda
9/20/2019 10:45:03 AM

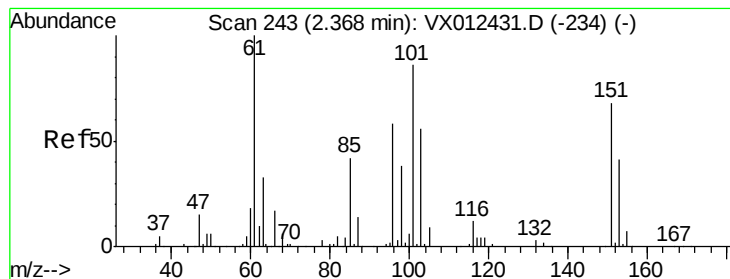


#8

Diethyl Ether
Concen: 18.538 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	18064		
45	102.7	49.9	149.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.884 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

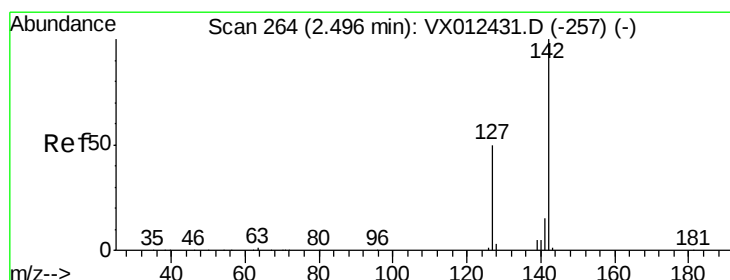
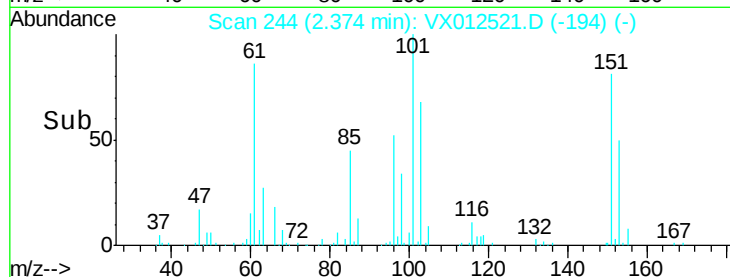
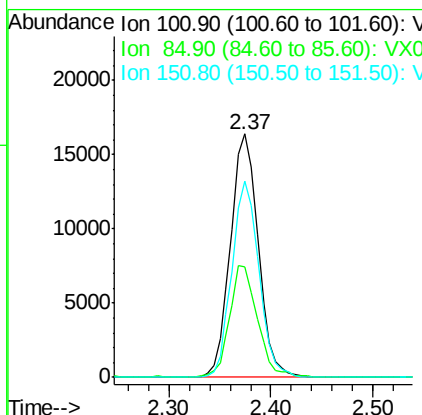
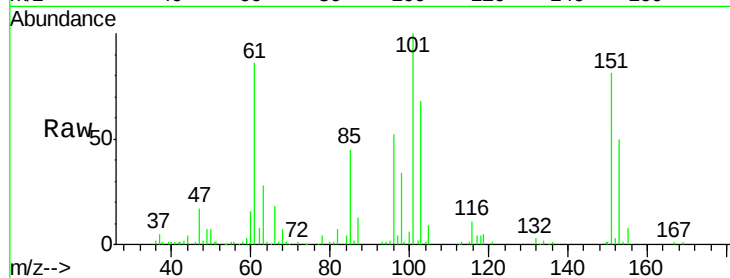
ClientSampleId :

VX0919MBS01

Tot Ion:	101	Resp:	31038
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.3	55.9
151	78.4	61.0	91.4

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#10

Methyl Iodide

Concen: 19.345 ug/l

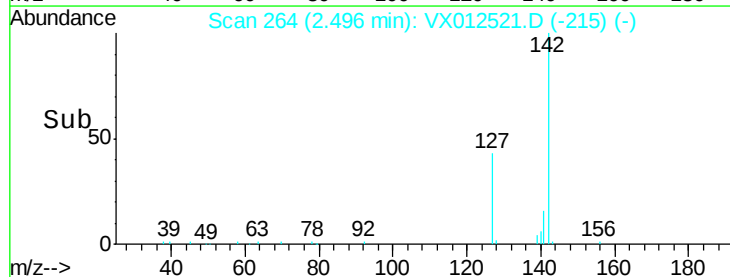
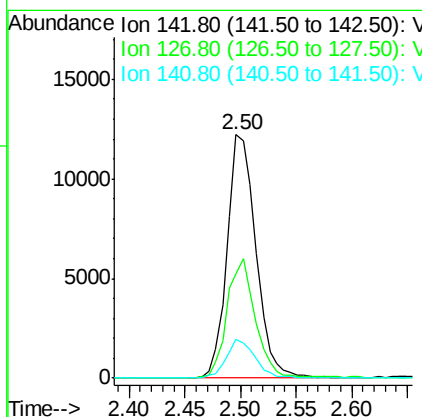
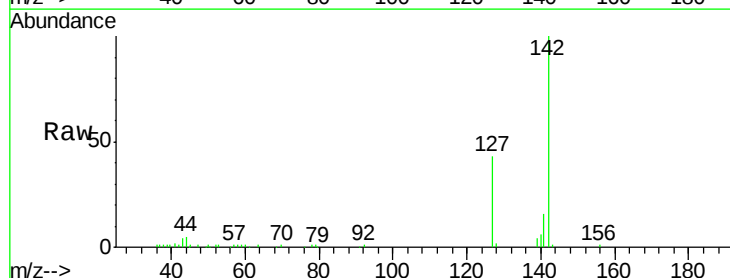
RT: 2.50 min Scan# 264

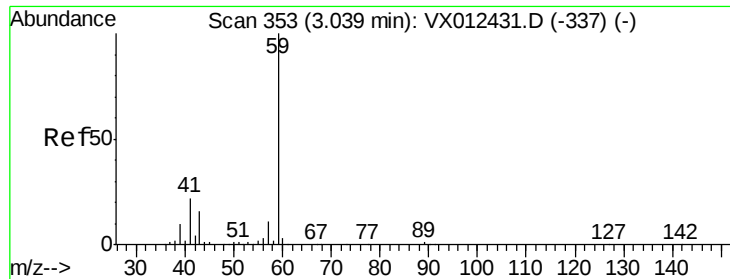
Delta R.T. 0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Tgt Ion:	142	Resp:	21909
Ion Ratio	Lower	Upper	
142	100		
127	47.9	40.8	61.2
141	15.6	12.1	18.1





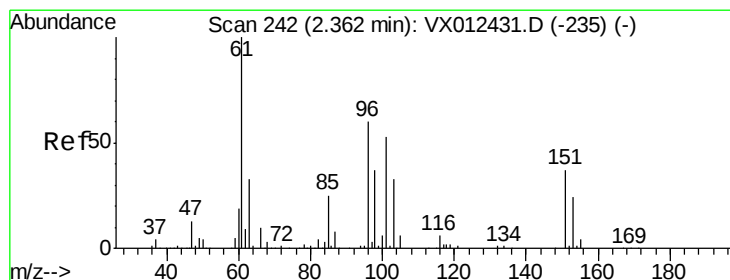
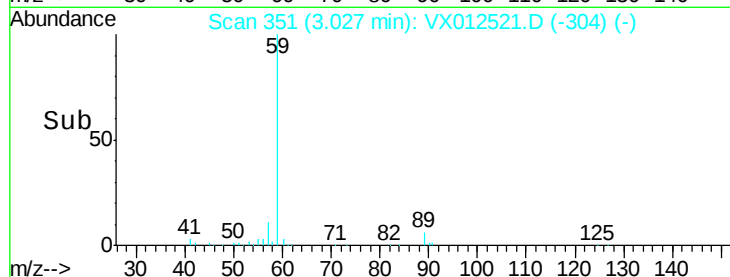
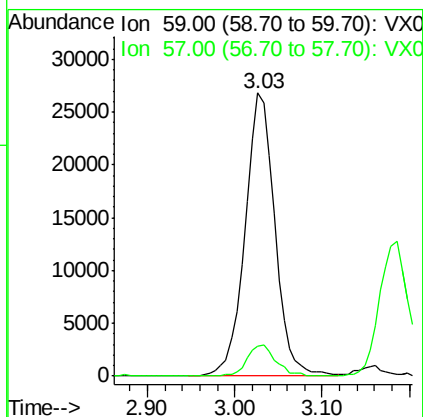
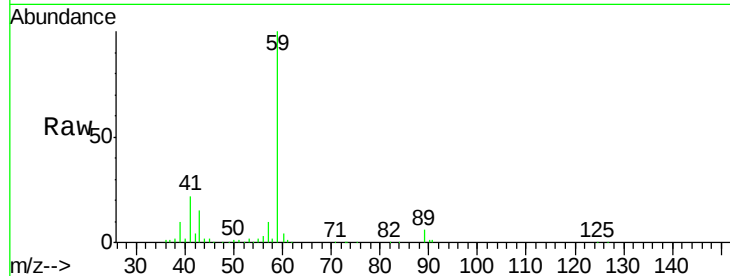
#11
Tert butyl alcohol
Concen: 84.526 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion: 59 Resp: 63643
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

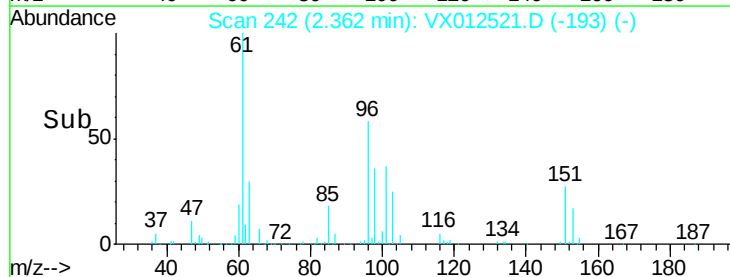
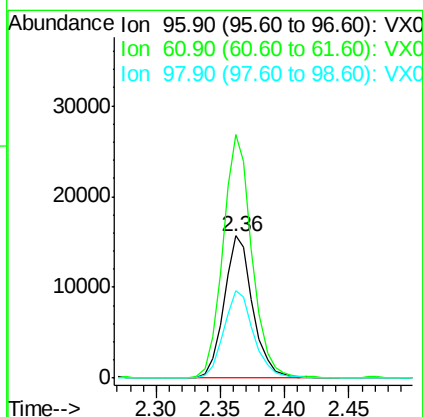
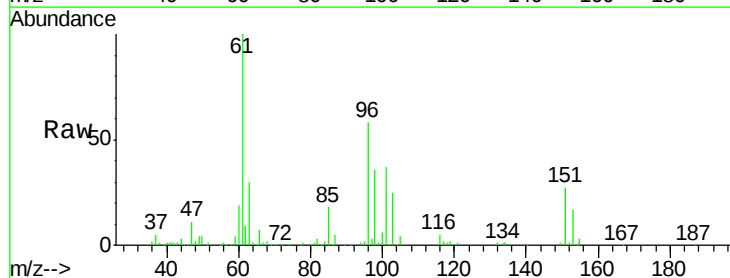
Manual Integrations
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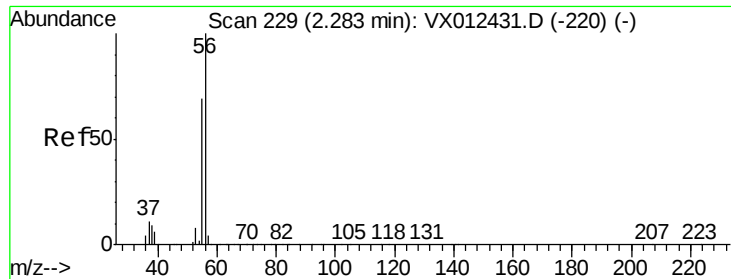
MMDadoda
9/20/2019 10:45:03 AM



#12
1,1-Dichloroethene
Concen: 19.692 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion: 96 Resp: 24520
Ion Ratio Lower Upper
96 100
61 170.9 133.8 200.6
98 61.3 49.9 74.9





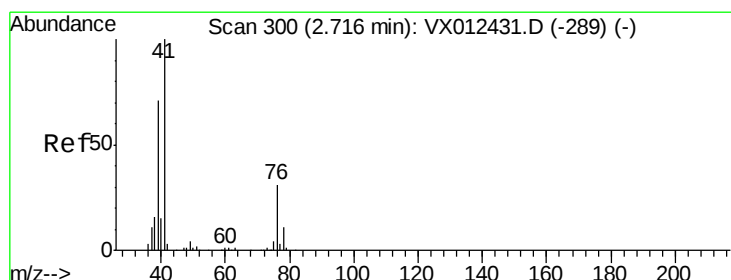
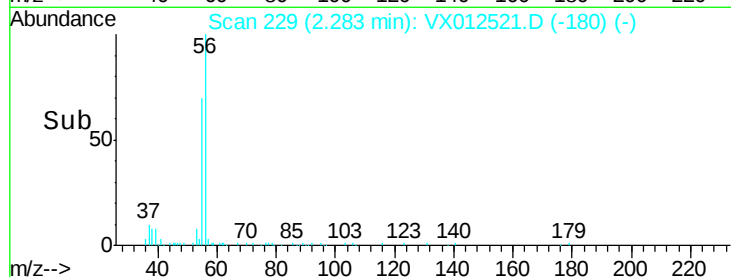
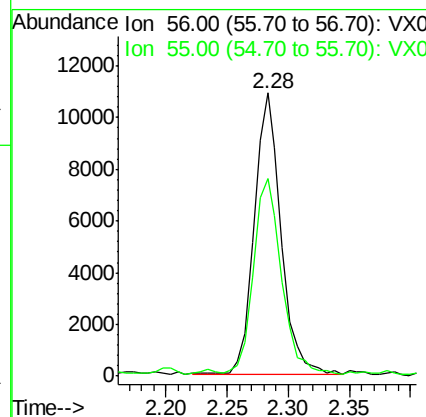
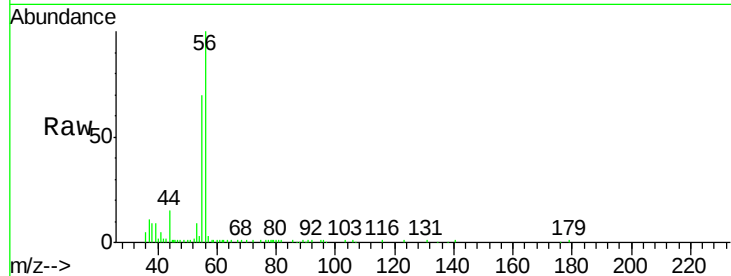
#13
Acrolein
Concen: 64.832 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	56	Resp	16470
Ion Ratio	100	Lower	Upper
55	73.4	55.8	83.8

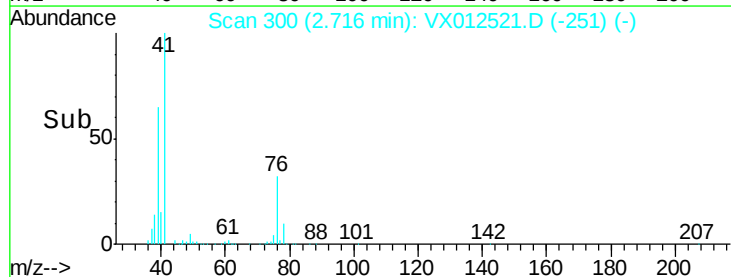
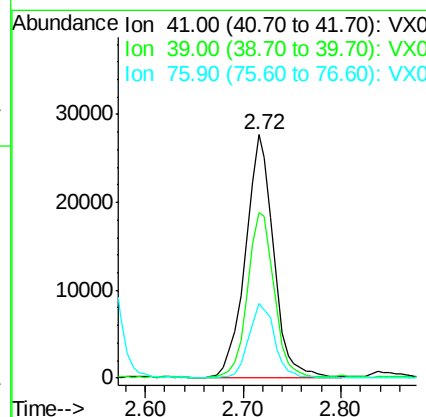
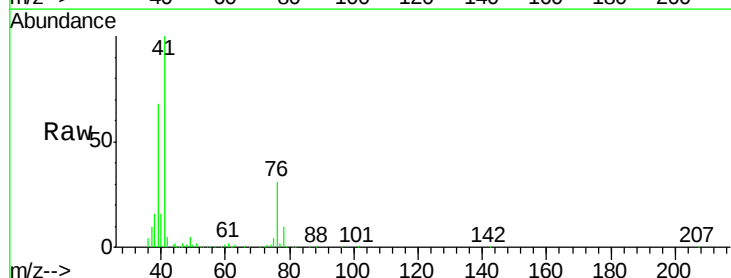
Manual Integrations
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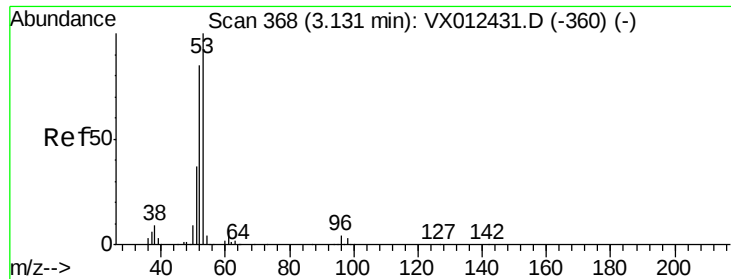
MMDadoda
9/20/2019 10:45:03 AM



#14
Allyl chloride
Concen: 19.245 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion	41	Resp	55791
Ion Ratio	100	Lower	Upper
39	63.1	51.3	76.9
76	27.8	22.6	33.8





#15

Acrylonitrile

Concen: 94.591 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

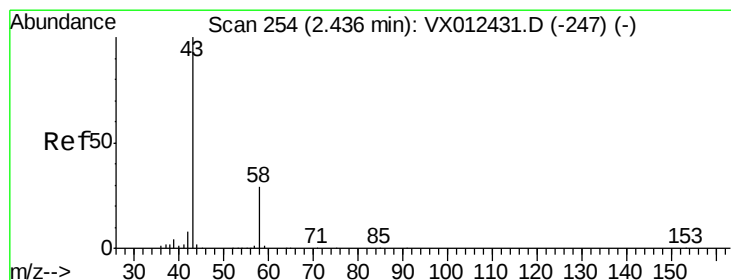
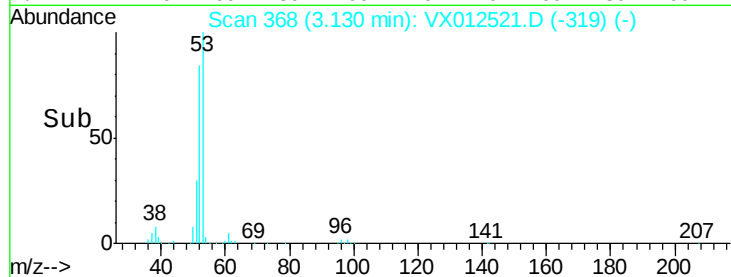
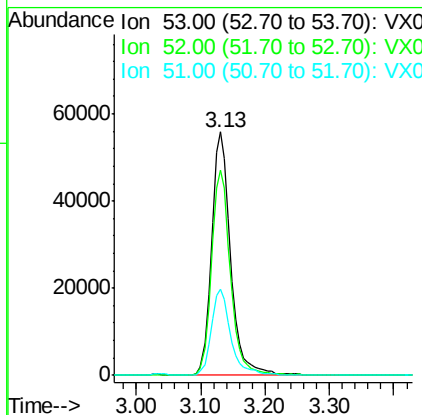
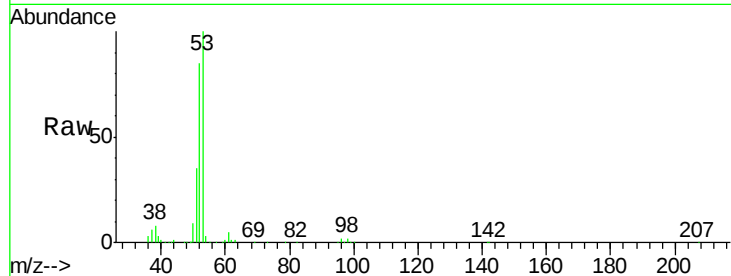
ClientSampleId :

VX0919MBS01

Tot Ion:	53	Resp:	116352
Ion Ratio	Lower	Upper	
53	100		
52	83.8	67.0	100.4
51	36.3	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 90.452 ug/l

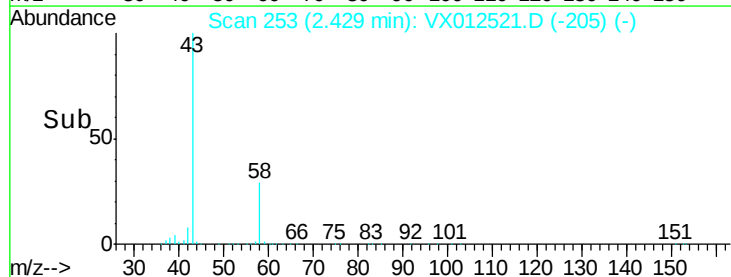
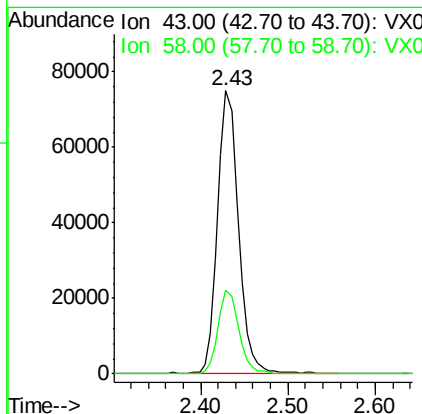
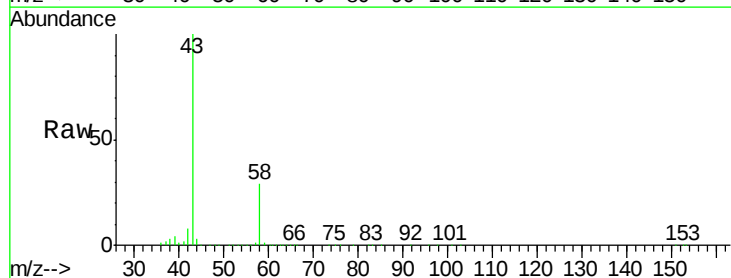
RT: 2.43 min Scan# 253

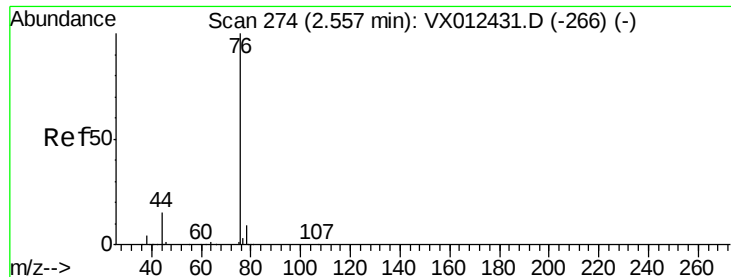
Delta R.T. -0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Tgt Ion:	43	Resp:	123906
Ion Ratio	Lower	Upper	
43	100		
58	29.4	23.3	34.9





#17

Carbon Disulfide

Concen: 18.565 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 76 Resp: 30618

Ion Ratio Lower Upper

76 100

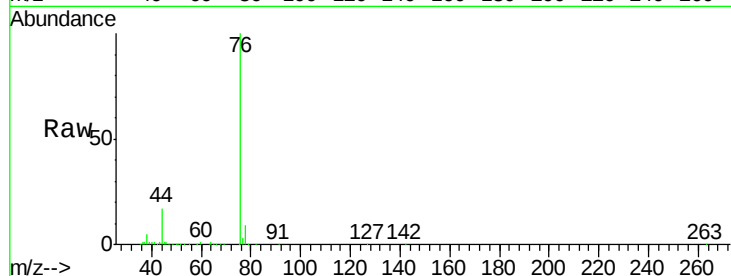
78 9.2 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

20000

15000

10000

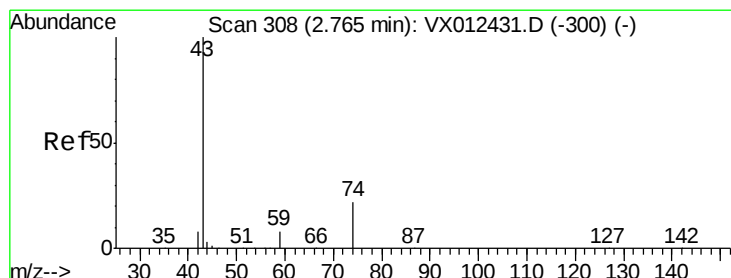
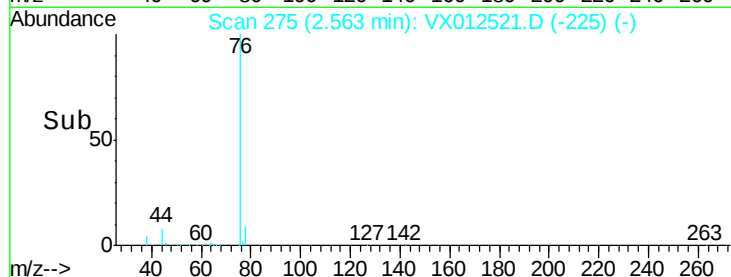
5000

0

Time-->

2.50 2.55 2.60 2.65

2.56



#18

Methyl Acetate

Concen: 19.484 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX012521.D

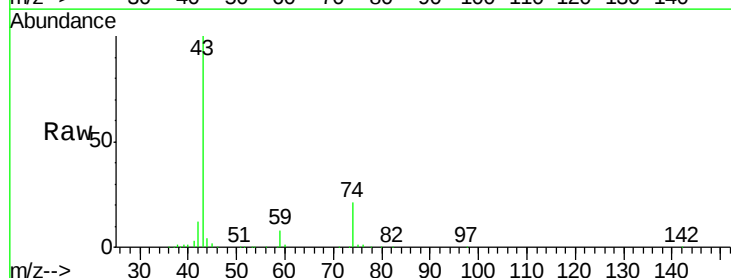
Acq: 19 Sep 2019 12:27

Tgt Ion: 43 Resp: 57630

Ion Ratio Lower Upper

43 100

74 22.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

30000

20000

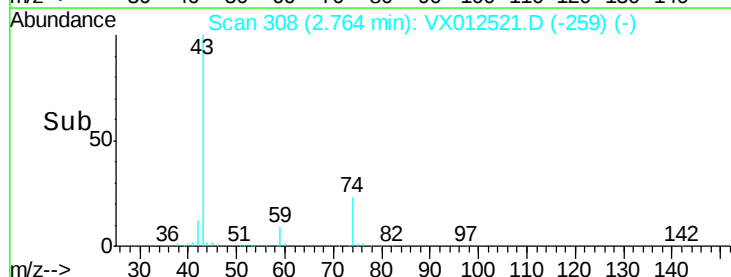
10000

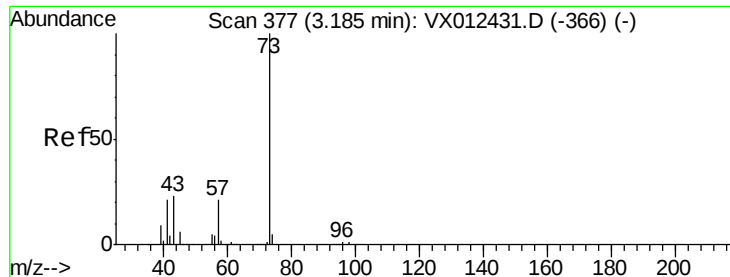
0

Time-->

2.70 2.80 2.90

2.76





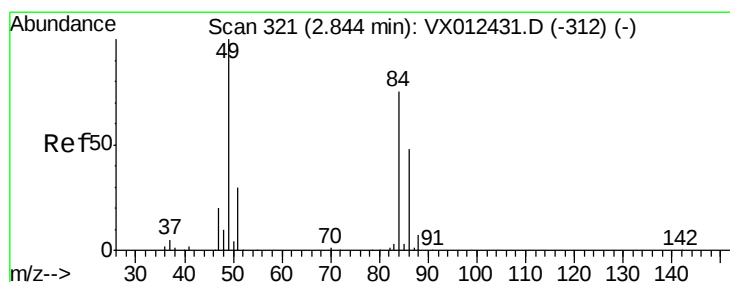
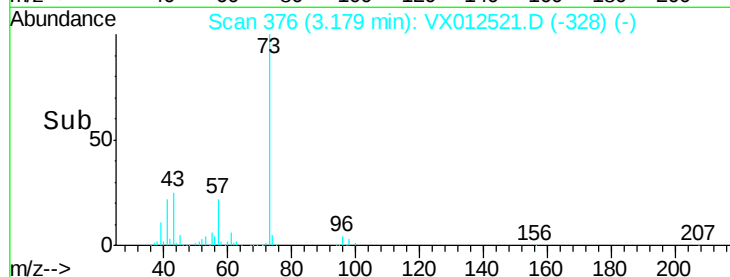
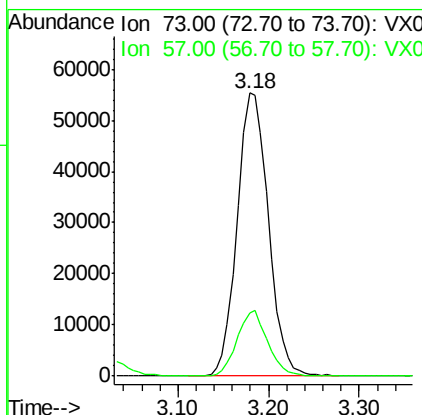
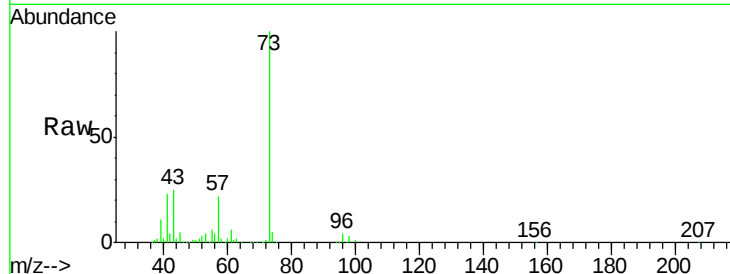
#19
Methvl tert-butvl Ether
Concen: 19.510 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	16.8	25.2

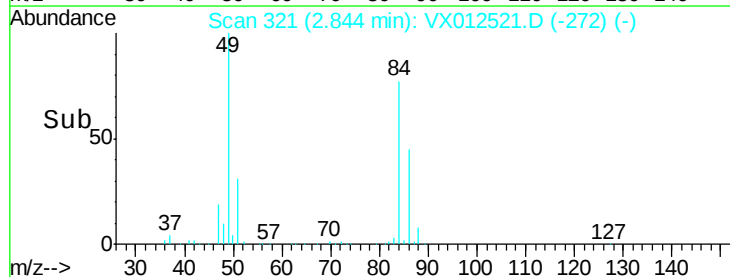
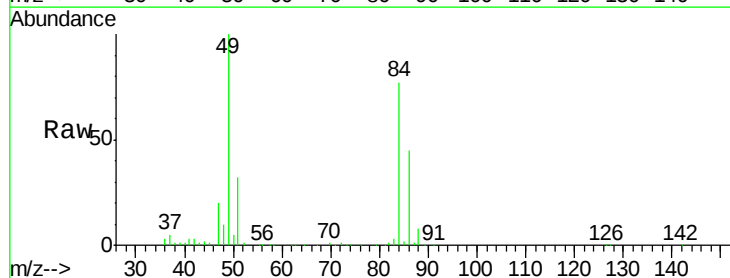
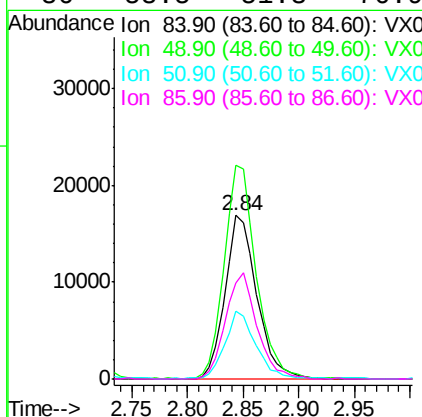
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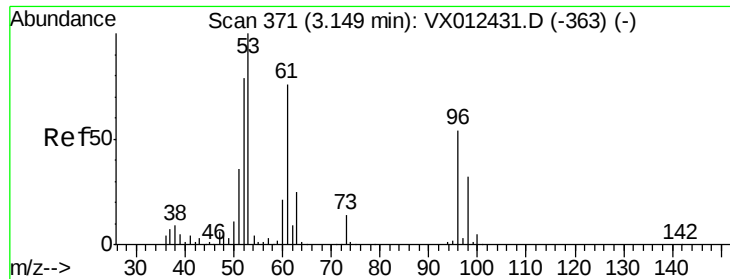
MMDadoda
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#20
Methylene Chloride
Concen: 19.491 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.5	106.8	160.2
51	40.8	32.3	48.5
86	58.5	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 19.550 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 96 Resp: 25279

Ion Ratio Lower Upper

96 100

61 146.6 112.0 168.0

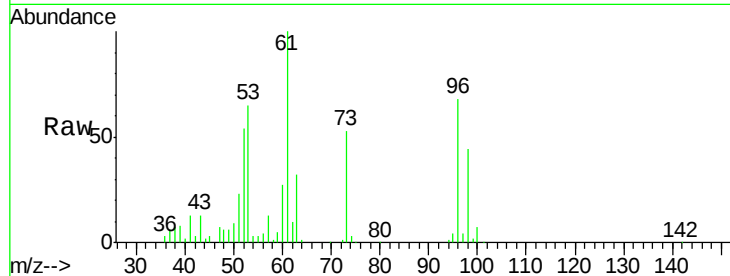
98 64.2 47.8 71.8

Manual Integrations

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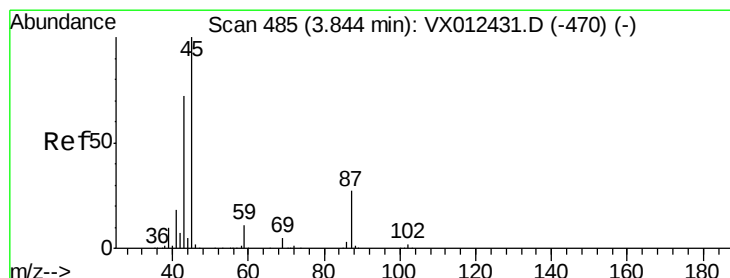
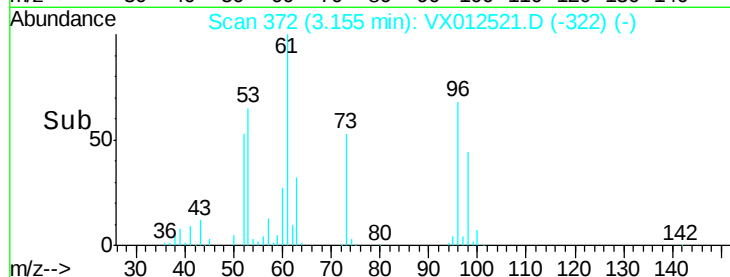
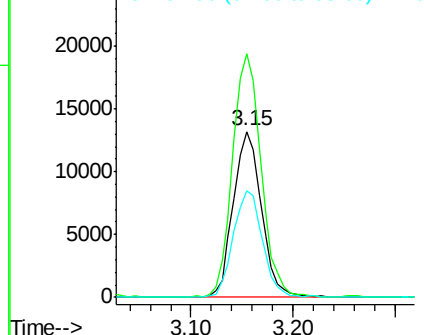


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.197 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Tgt Ion: 45 Resp: 130306

Ion Ratio Lower Upper

45 100

43 73.2 57.8 86.8

87 27.3 21.3 31.9

59 12.1 8.5 12.7

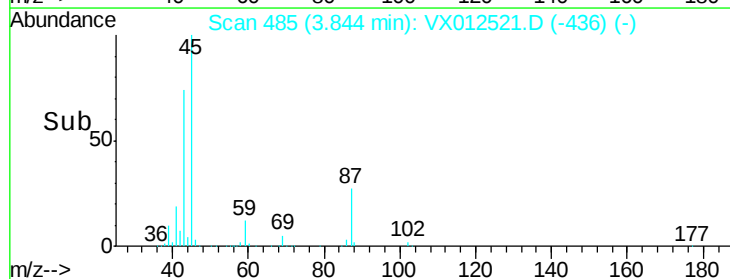
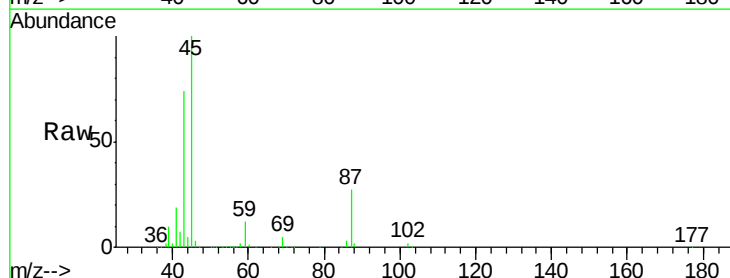
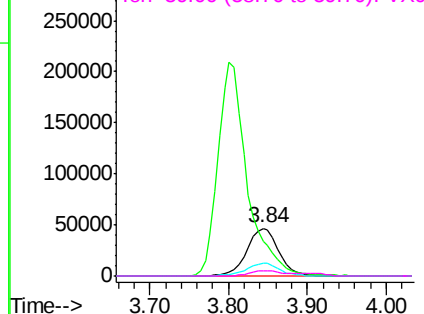
Abundance

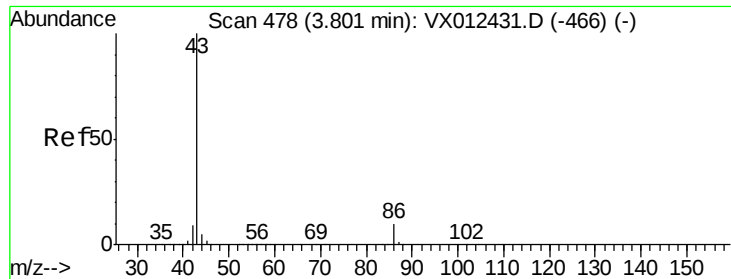
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 97.147 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 43 Resp: 542438

Ion Ratio Lower Upper

43 100

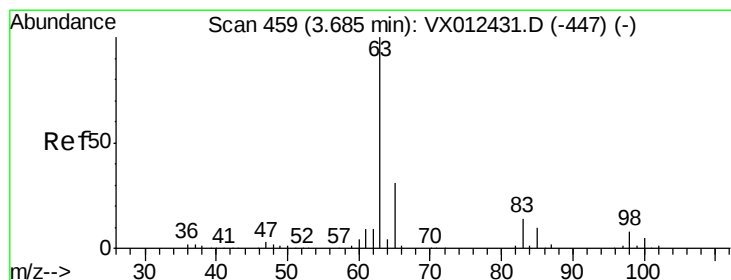
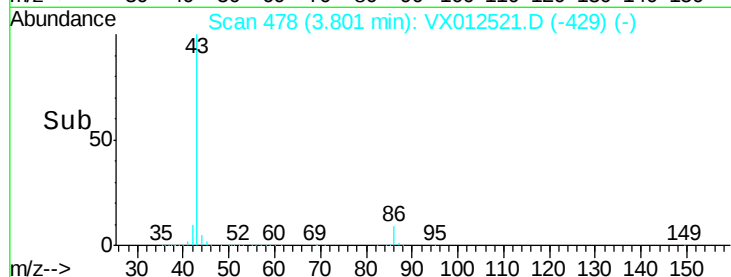
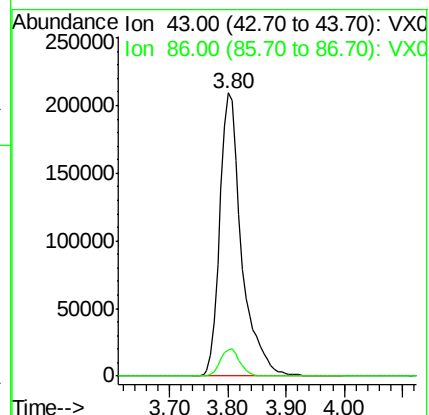
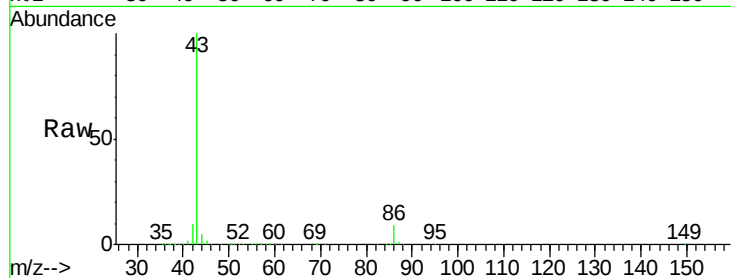
86 9.4 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.368 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

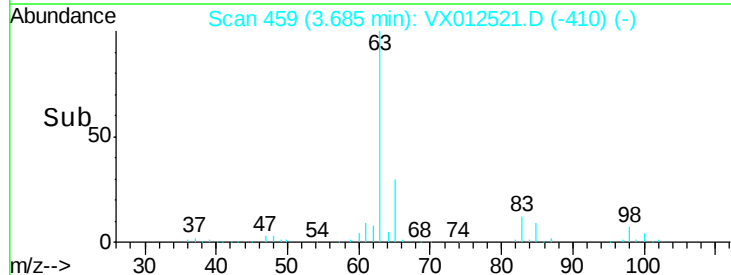
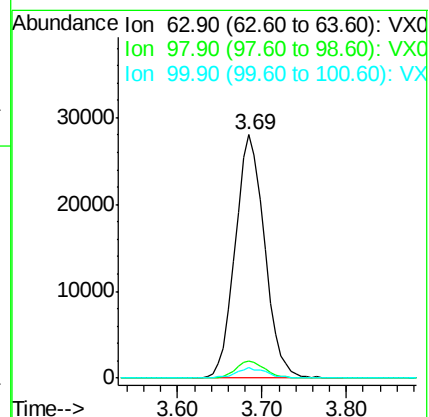
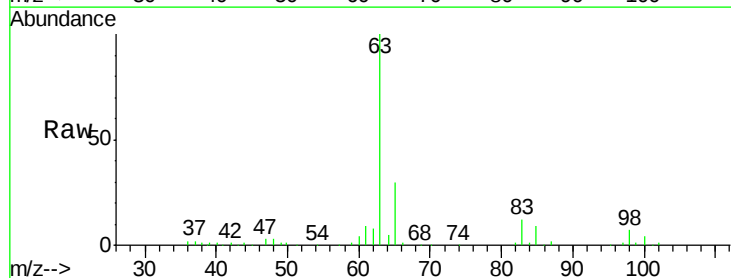
Tgt Ion: 63 Resp: 66150

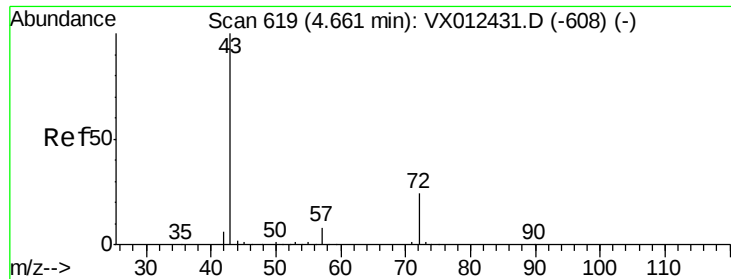
Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.7

100 4.5 2.3 6.9





#25

2-Butanone

Concen: 89.727 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 43 Resp: 176674

Ion Ratio Lower Upper

43 100

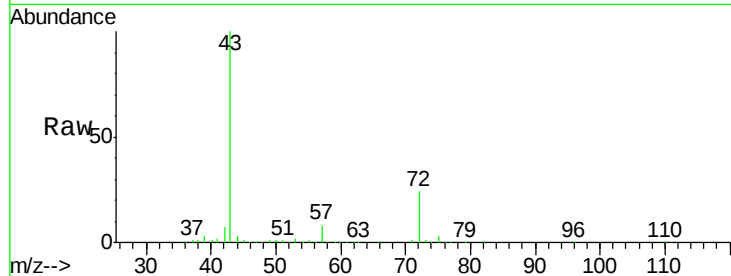
72 24.3 19.2 28.8

Manual Integrations

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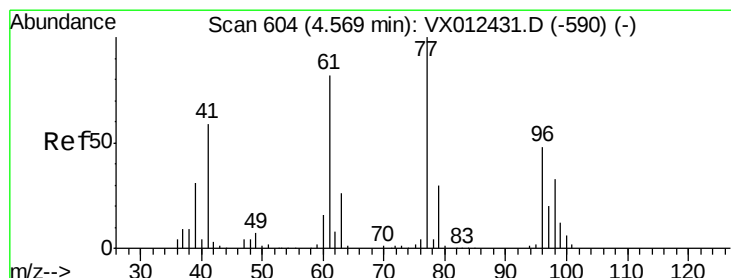
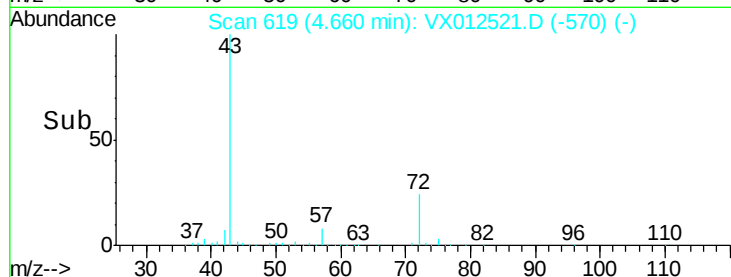
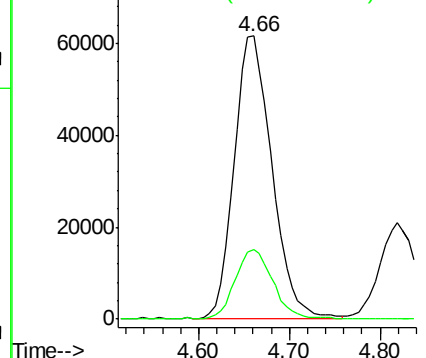
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.533 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012521.D

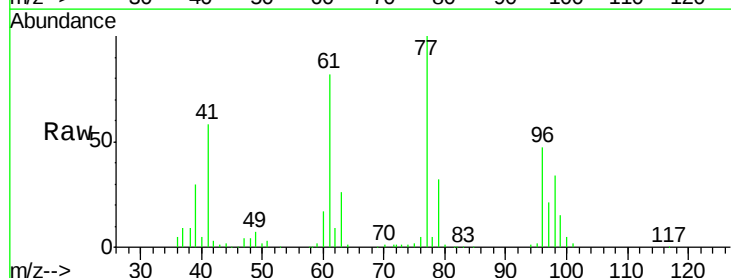
Acq: 19 Sep 2019 12:27

Tgt Ion: 77 Resp: 59195

Ion Ratio Lower Upper

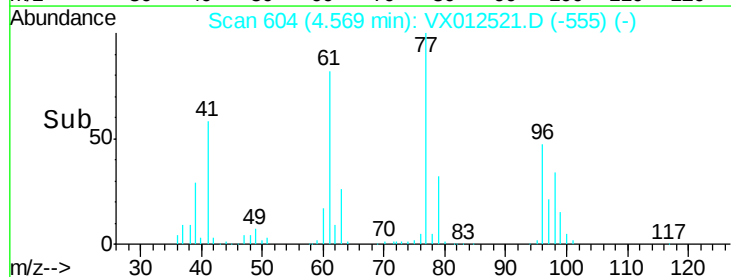
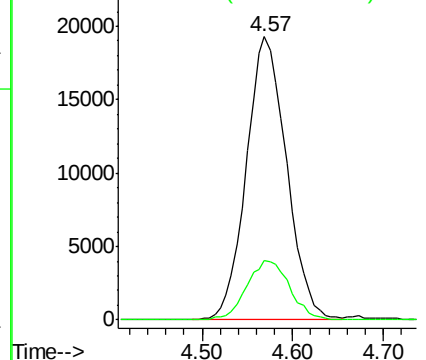
77 100

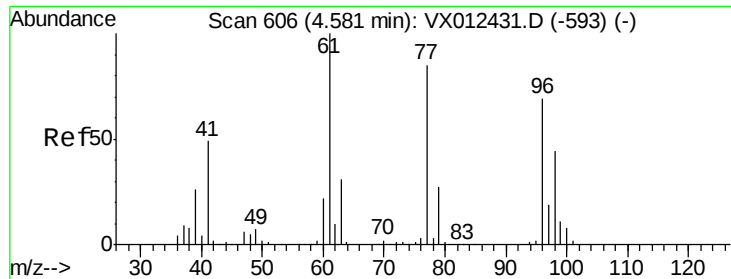
97 22.4 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

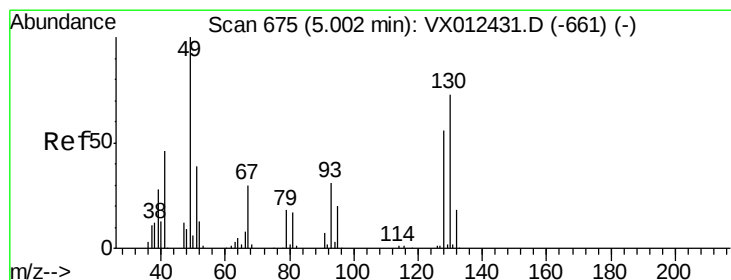
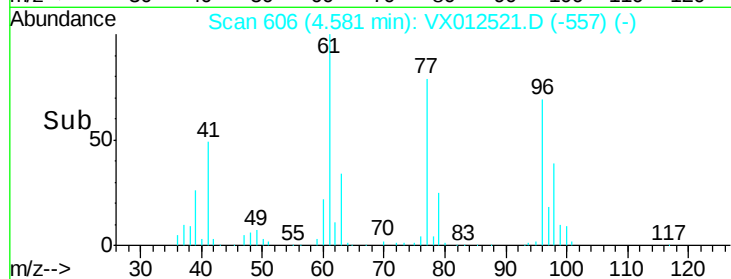
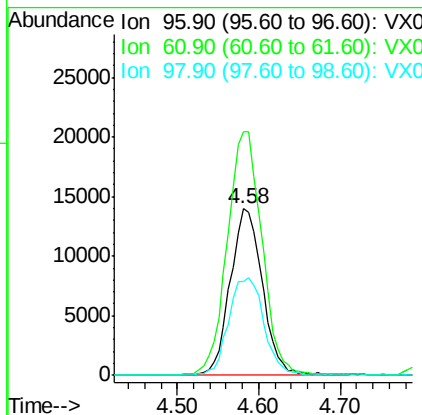
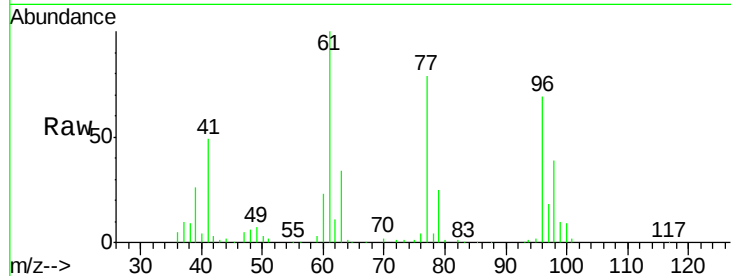
cis-1,2-Dichloroethene
Concen: 19.716 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	158.1	0.0	319.4	
98	64.1	0.0	130.6	

Manual Integrations
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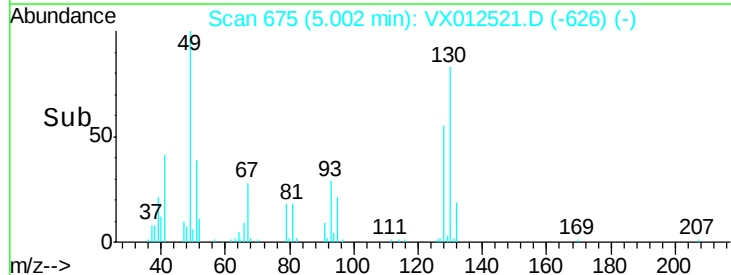
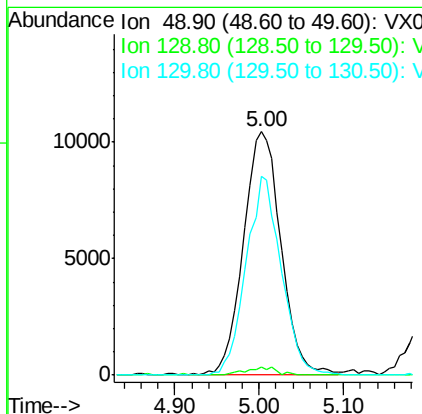
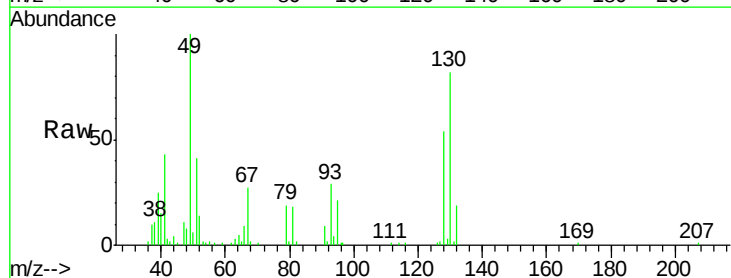
MMDadoda
9/20/2019 10:45:03 AM

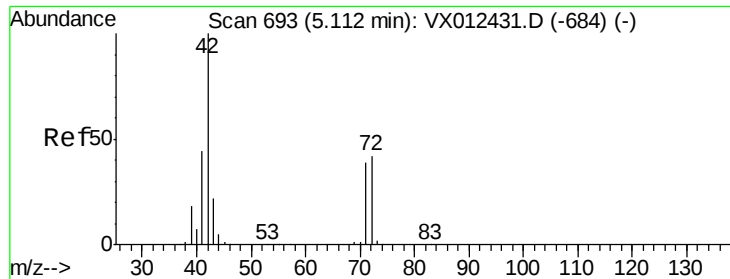


#28

Bromochloromethane
Concen: 18.935 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	3.8	
130	76.5	58.2	87.4	





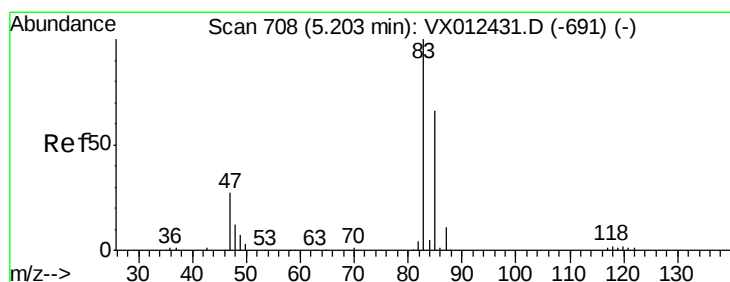
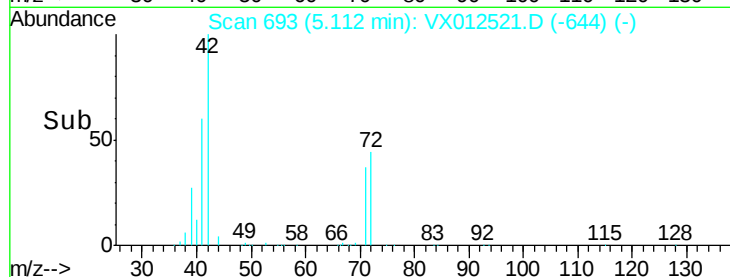
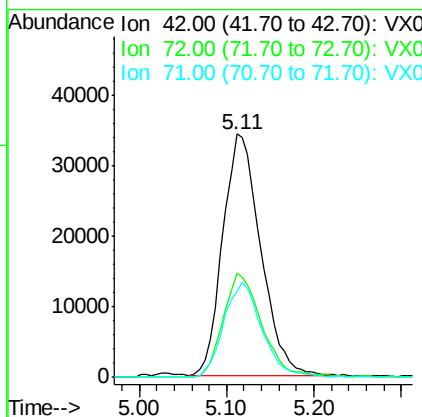
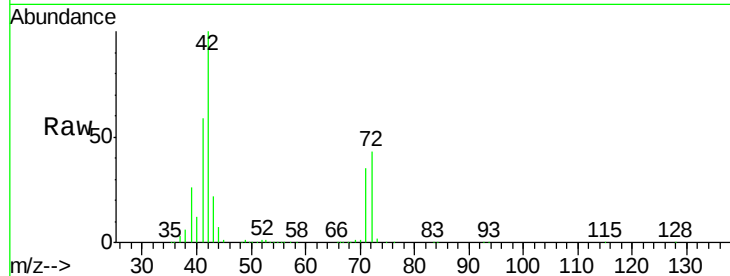
#29
Tetrahydrofuran
Concen: 95.201 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.0	51.0
71	39.3	31.5	47.3

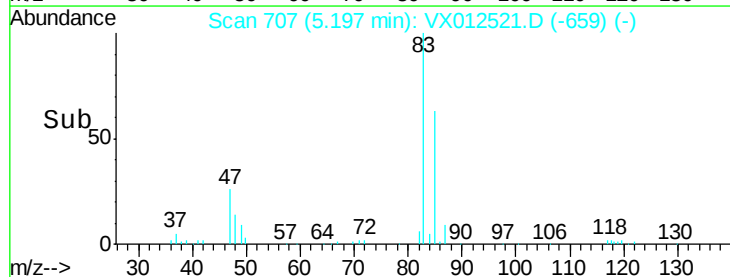
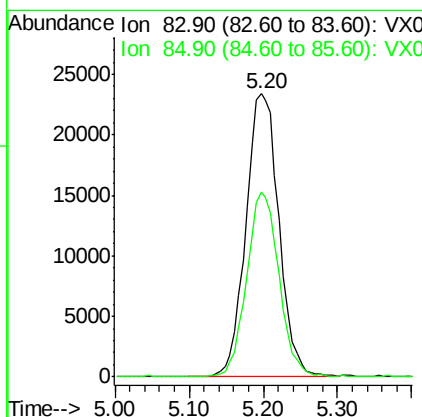
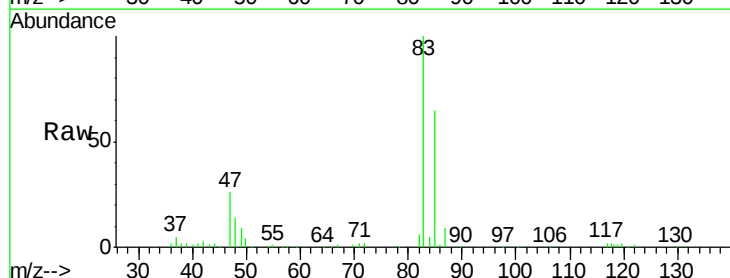
Manual Integrations
APPROVED

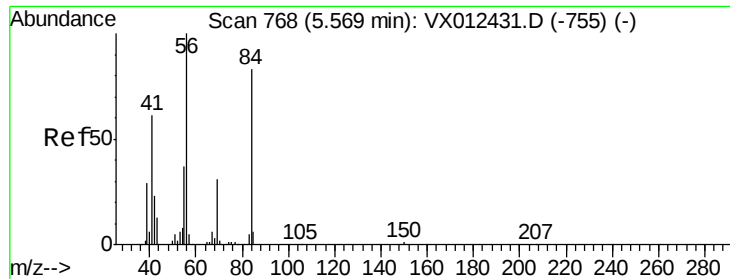
MMDadoda
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#30
Chloroform
Concen: 19.506 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.0	79.4





#31

Cyclohexane

Concen: 20.470 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

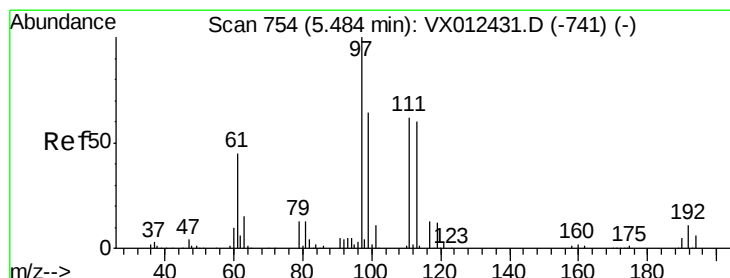
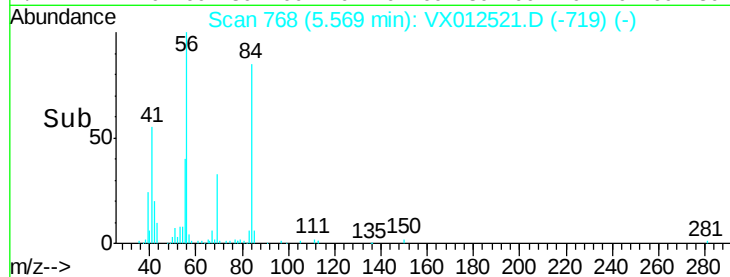
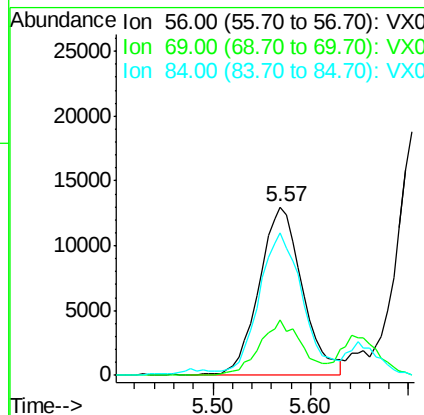
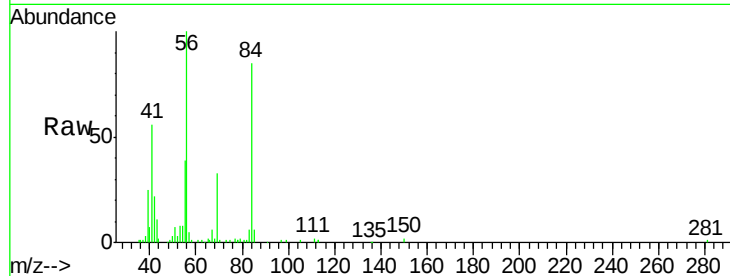
ClientSampleId :

VX0919MBS01

Tot Ion:	56	Resp:	40131
Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.0	37.6
84	81.0	66.4	99.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.581 ug/l

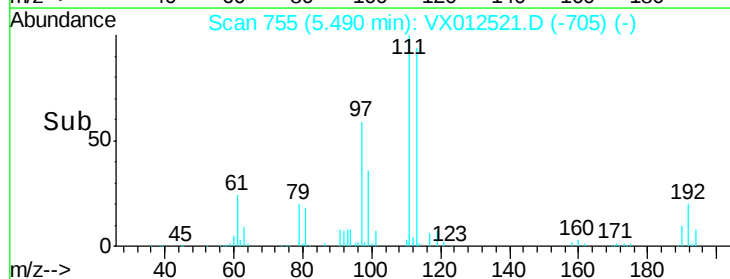
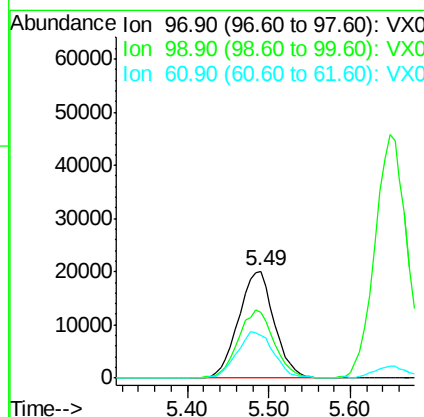
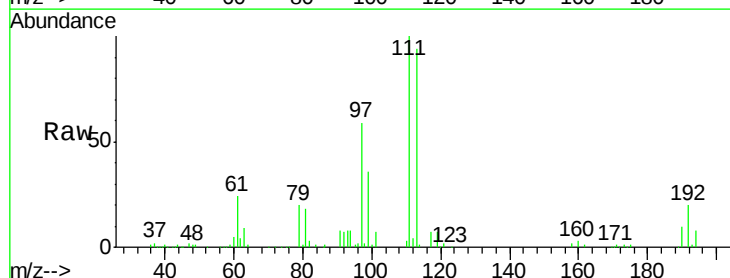
RT: 5.49 min Scan# 755

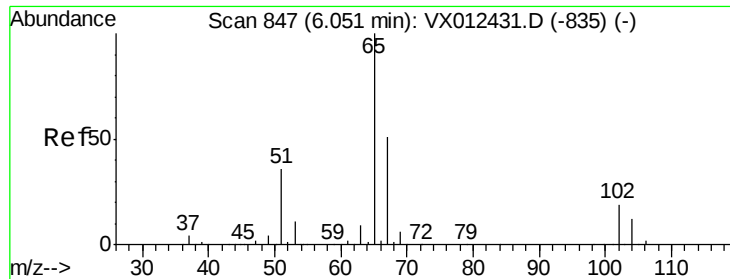
Delta R.T. 0.01 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Tgt Ion:	97	Resp:	61041
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	44.9	36.1	54.1





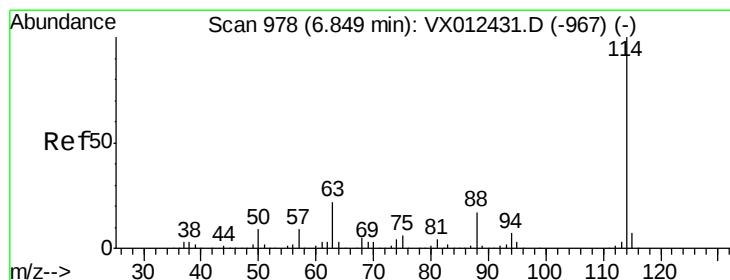
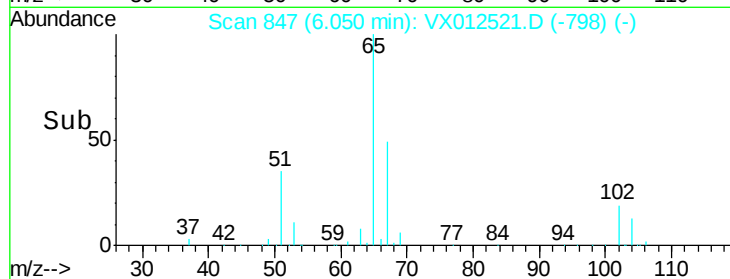
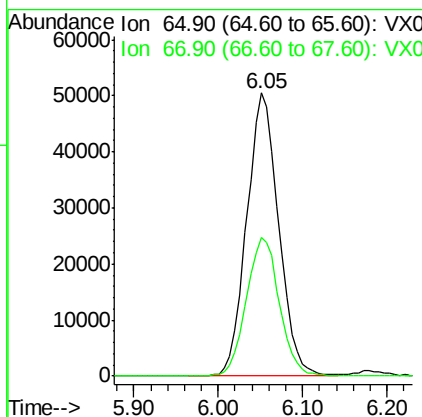
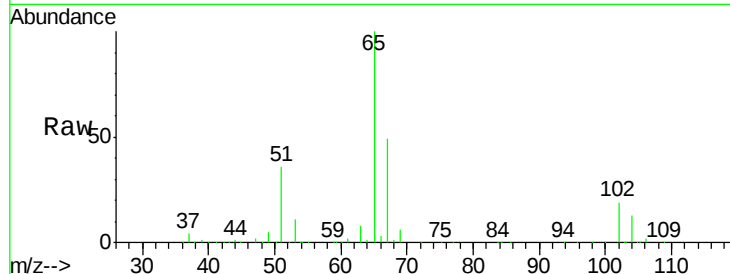
#33
 1,2-Dichloroethane-d4
 Concen: 45.946 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	101.2

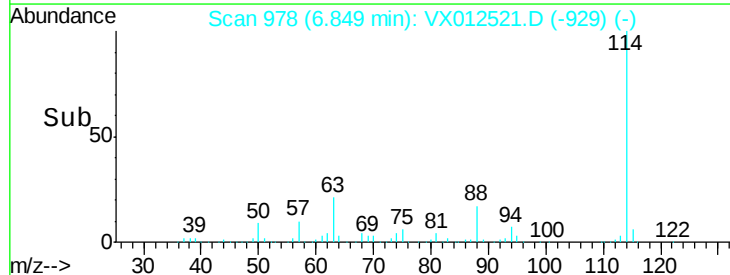
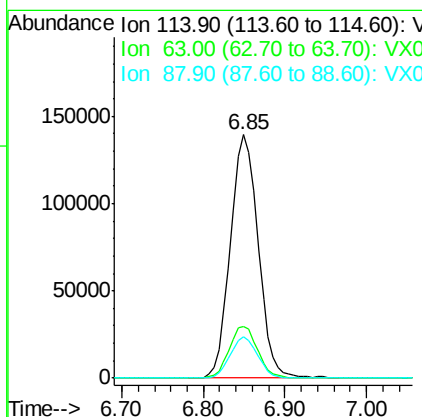
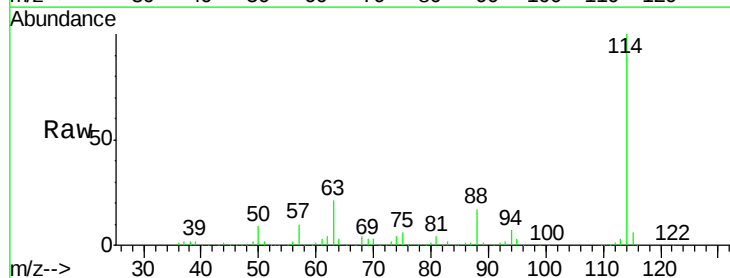
Manual Integrations
 APPROVED

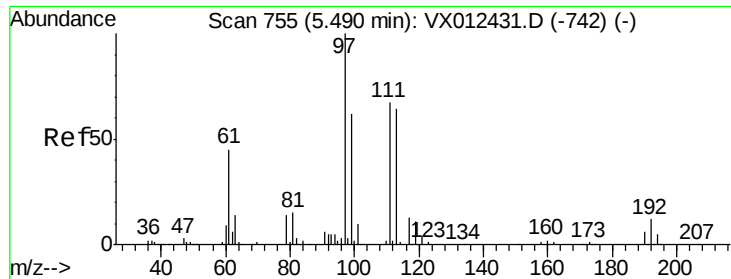
MMDadoda
 9/20/2019 10:45:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.2
88	16.9	0.0	33.2





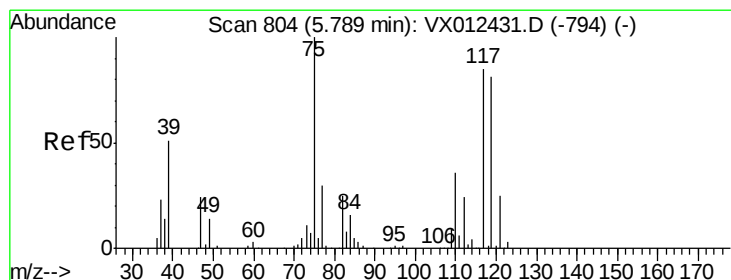
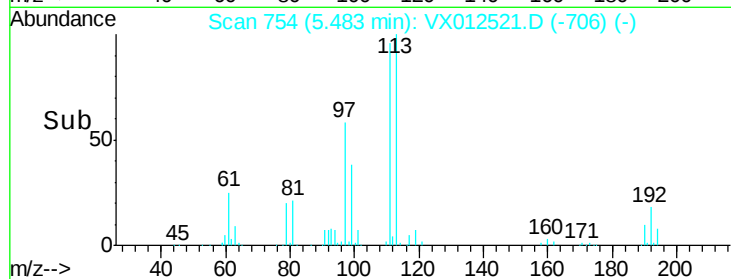
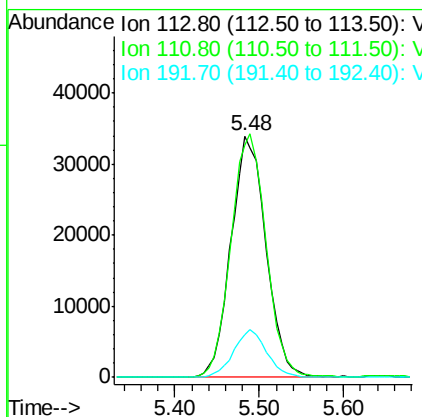
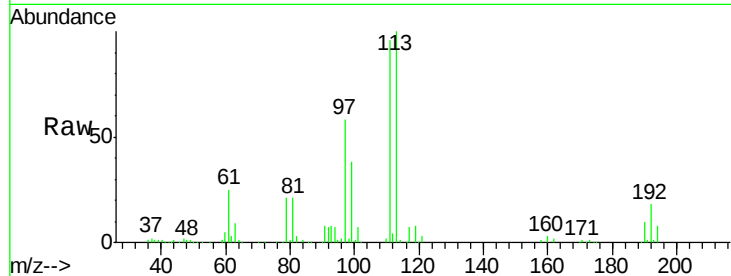
#35
 Dibromofluoromethane
 Concen: 48.132 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	95493		
111	101.3	83.4	125.2	
192	18.6	14.4	21.6	

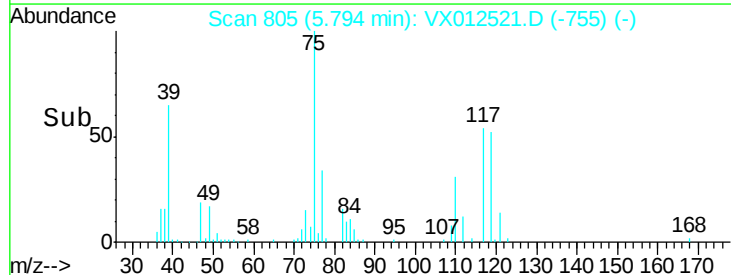
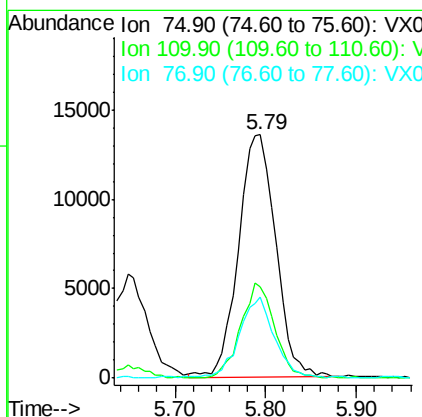
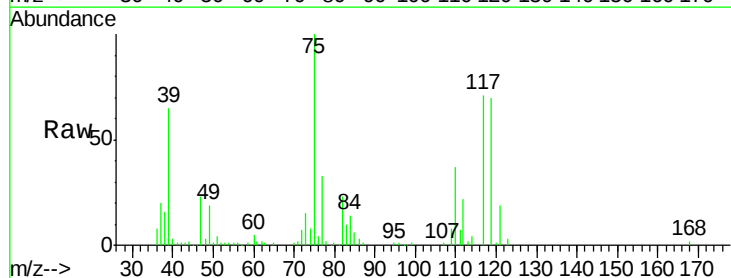
Manual Integrations
 APPROVED

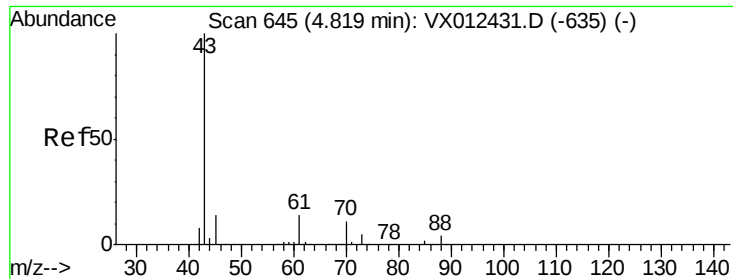
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 9/20/2019 10:45:03 AM



#36
 1,1-Dichloropropene
 Concen: 19.338 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38524		
110	35.7	16.7	50.0	
77	32.0	24.2	36.2	





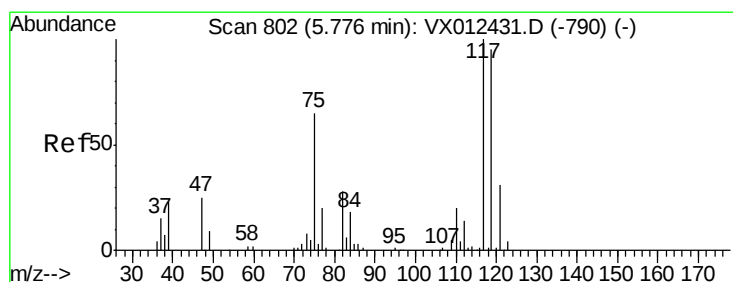
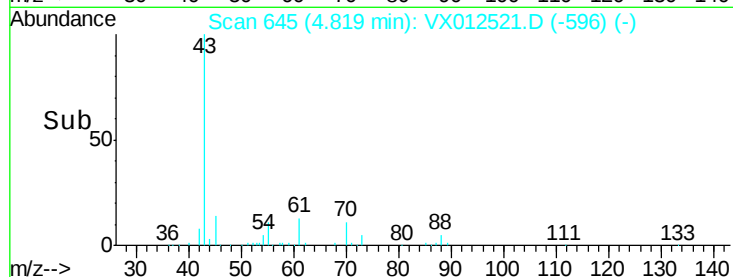
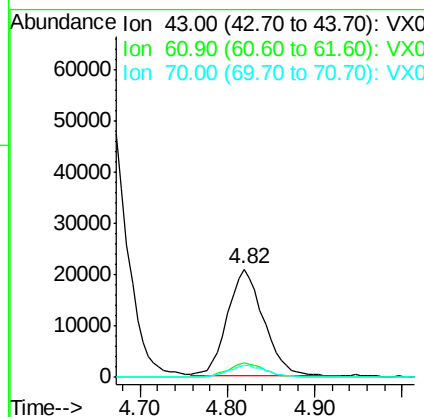
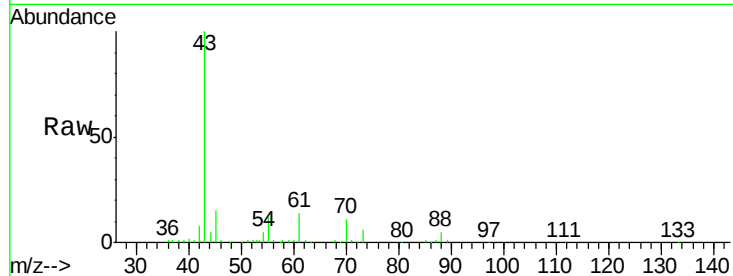
#37
Ethyl Acetate
Concen: 19.720 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.4
70	11.9	8.7	13.1

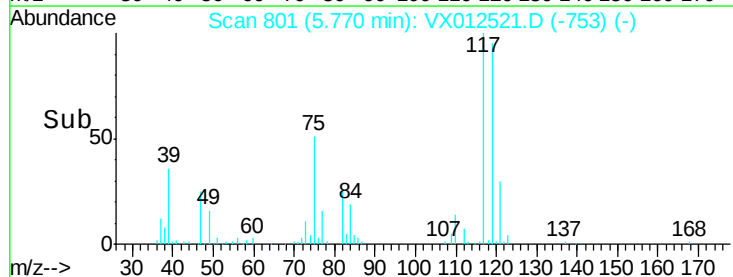
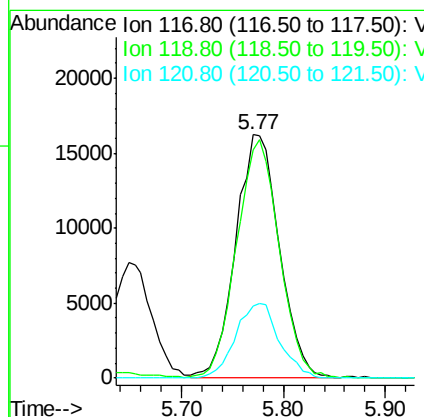
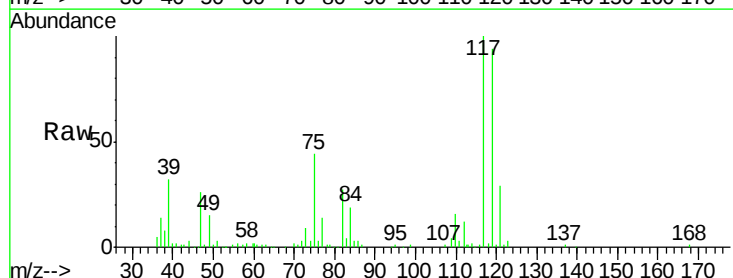
Manual Integrations
APPROVED

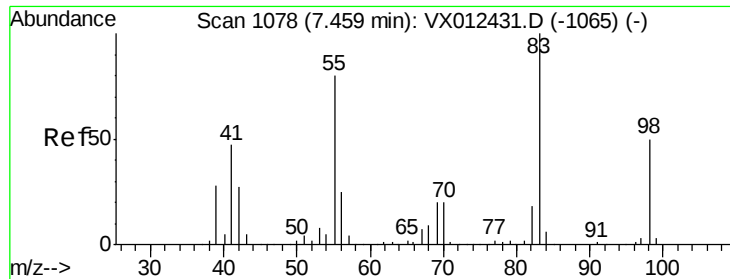
MMDadoda
9/20/2019 10:45:03 AM



#38
Carbon Tetrachloride
Concen: 19.348 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.7	113.5
121	29.5	24.2	36.4





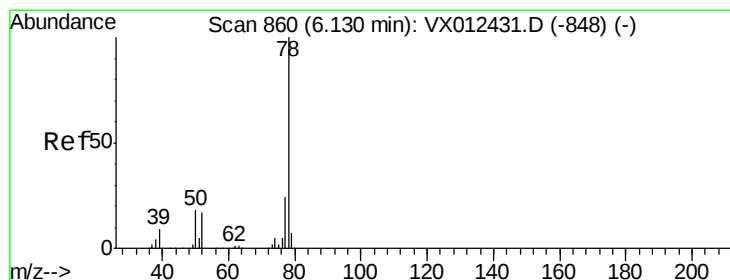
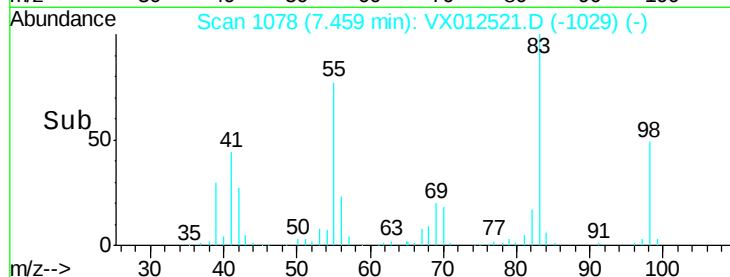
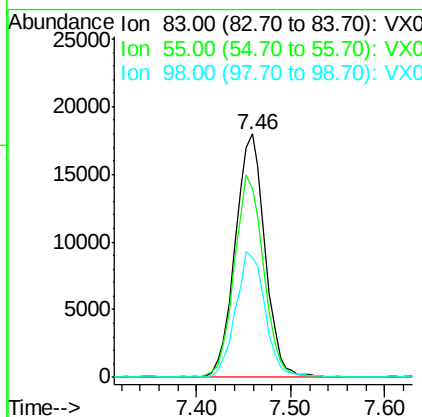
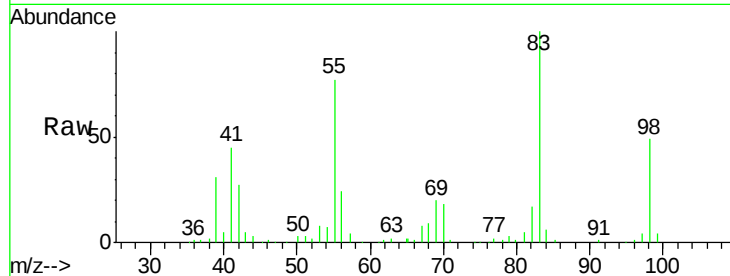
#39
Methvlcvclohexane
Concen: 20.344 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.2	64.4	96.6	
98	48.9	40.1	60.1	

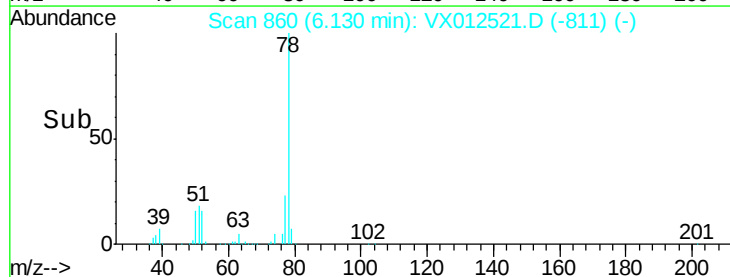
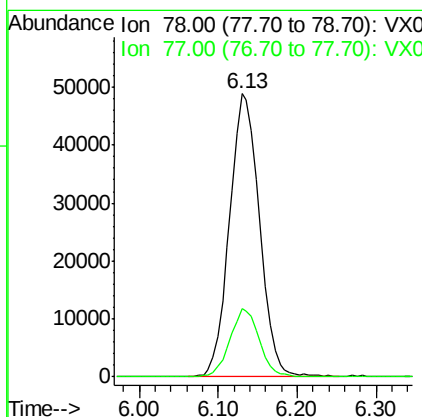
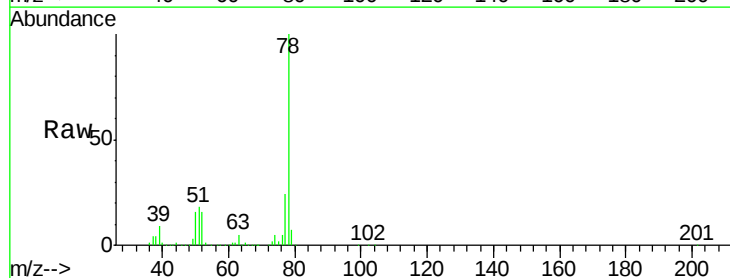
Manual Integrations
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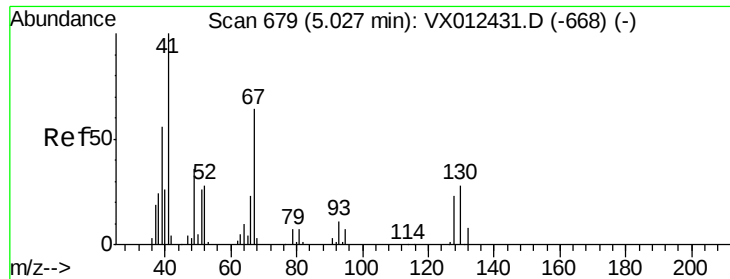
MMDadoda
9/20/2019 10:45:03 AM



#40
Benzene
Concen: 20.490 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	19.2	28.8	





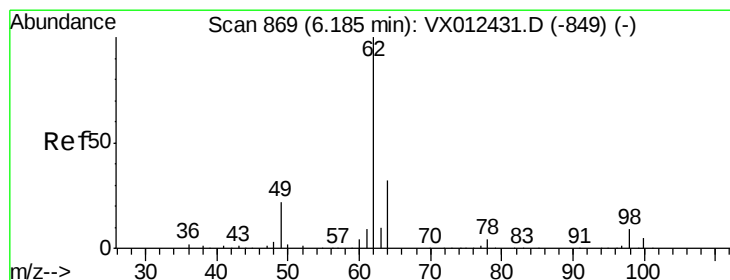
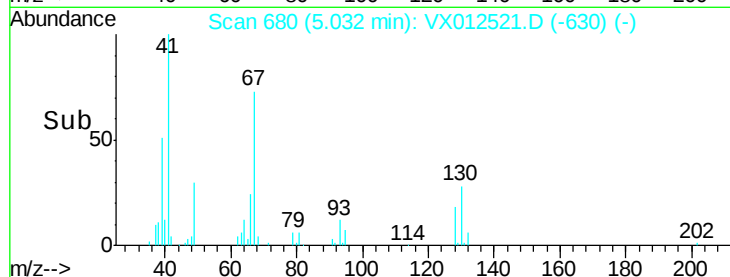
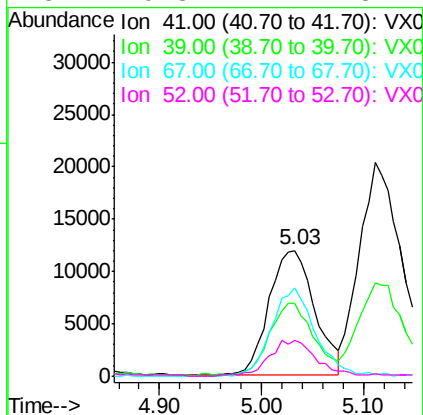
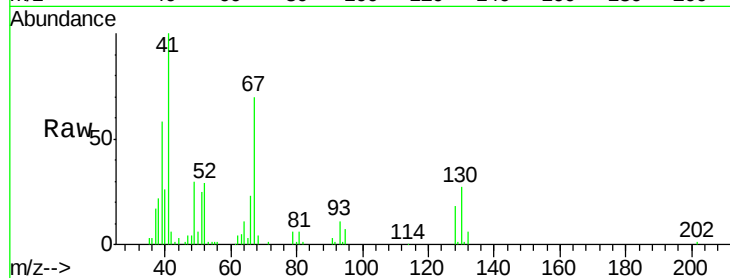
#41
Methacrylonitrile
Concen: 19.000 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		37411		
39	54.3	46.0	69.0		
67	67.4	52.2	78.2		
52	29.3	22.7	34.1		

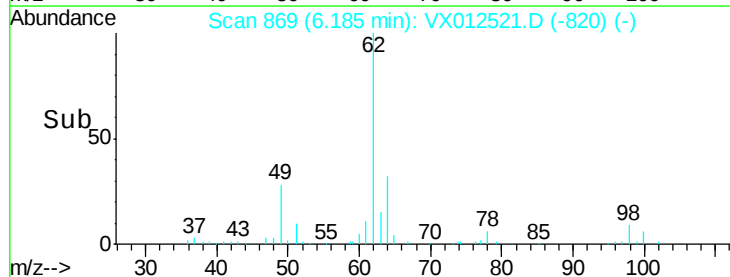
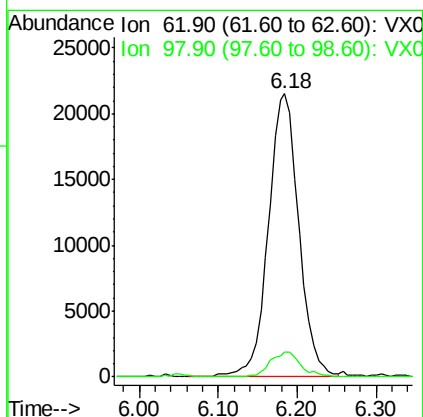
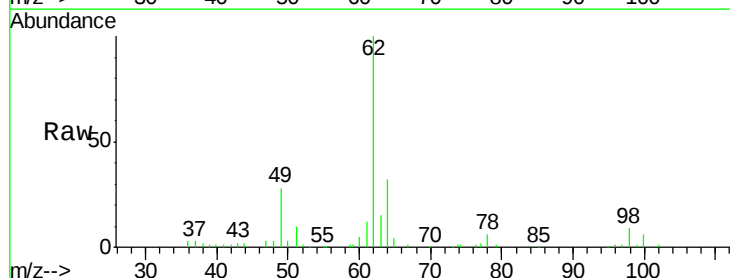
Manual Integrations
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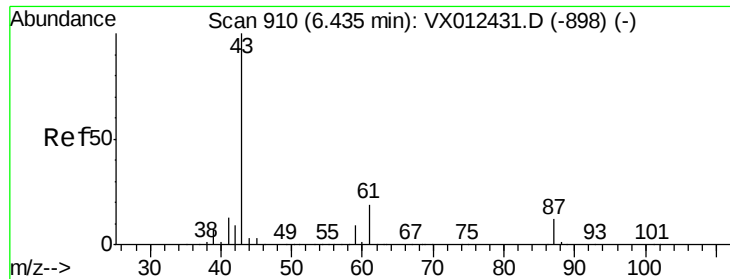
MMDadoda
9/20/2019 10:45:03 AM



#42
1,2-Dichloroethane
Concen: 19.647 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		57728		
98	8.8	0.0	17.8		





#43

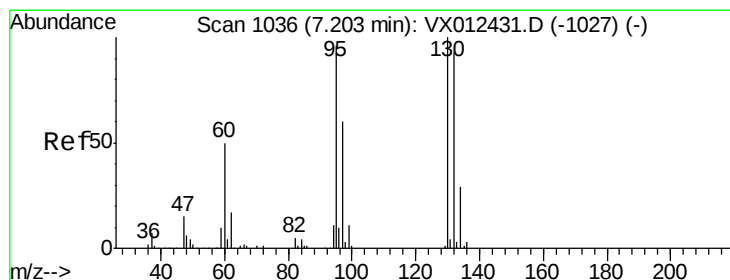
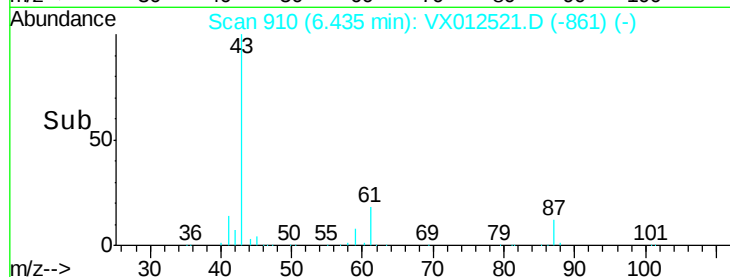
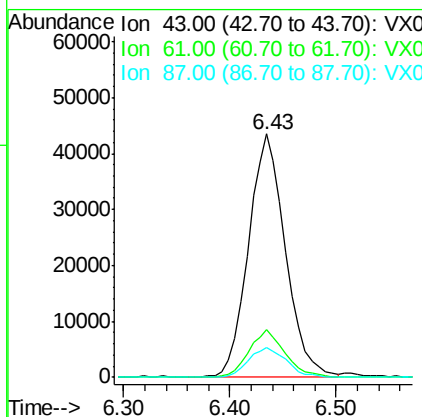
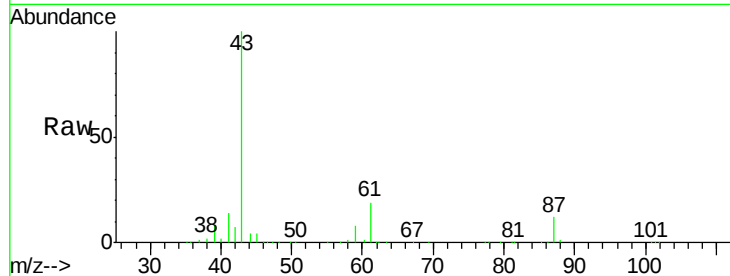
Isopropyl Acetate
 Concen: 19.105 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	12.9	9.8	14.8

Manual Integrations
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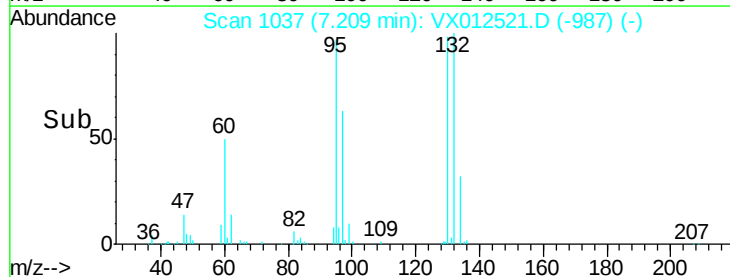
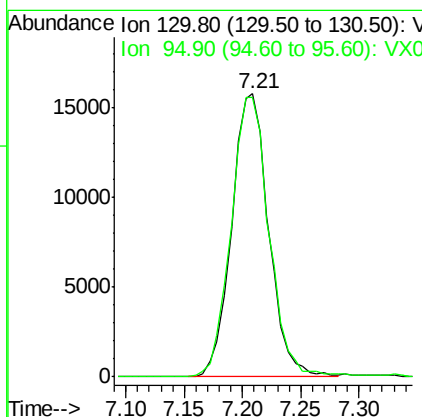
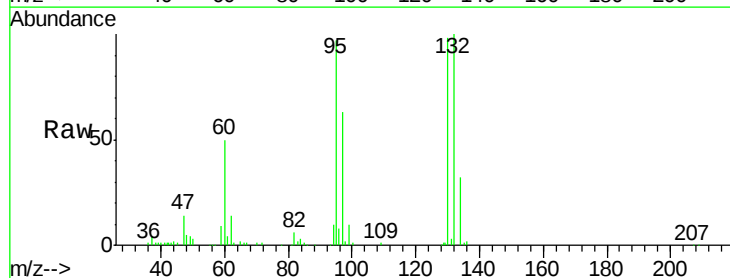
MMDadoda
 9/20/2019 10:45:03 AM

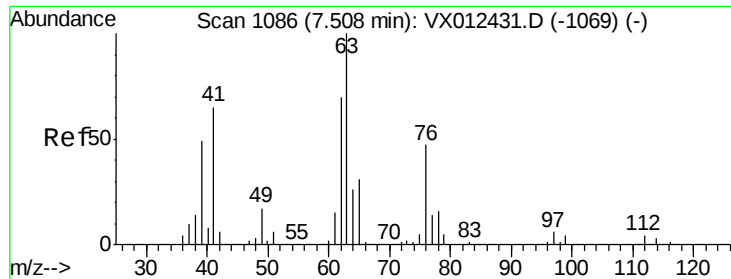


#44

Trichloroethene
 Concen: 20.890 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	193.0





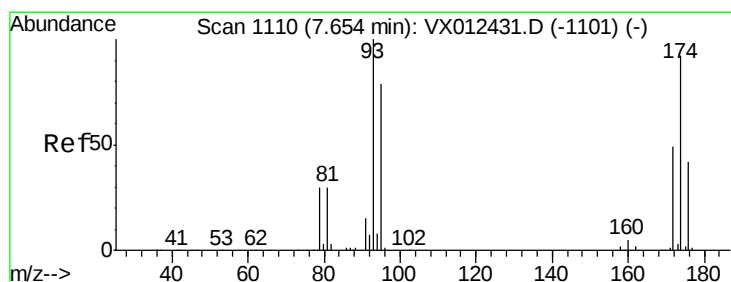
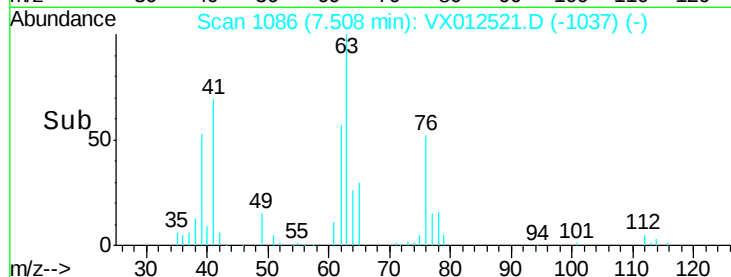
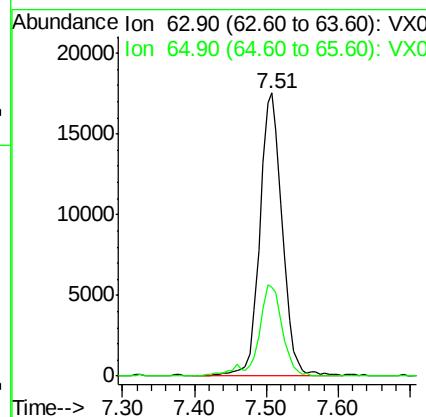
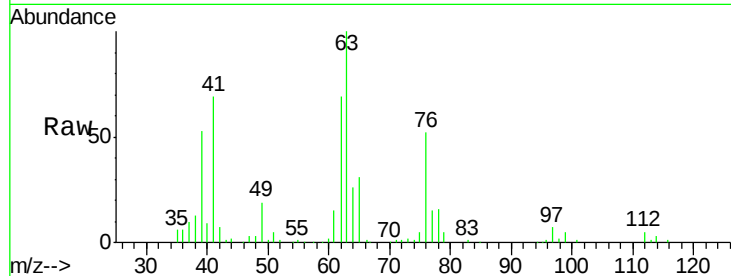
#45
 1,2-Dichloropropane
 Concen: 19.541 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.0	37.6

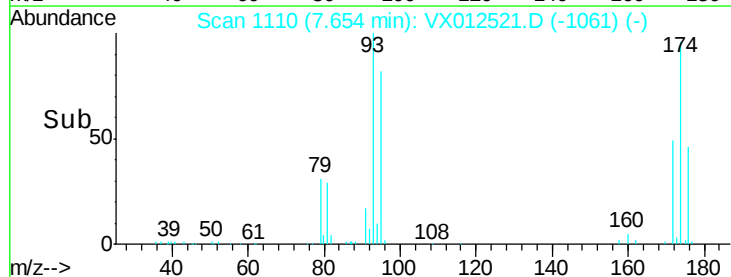
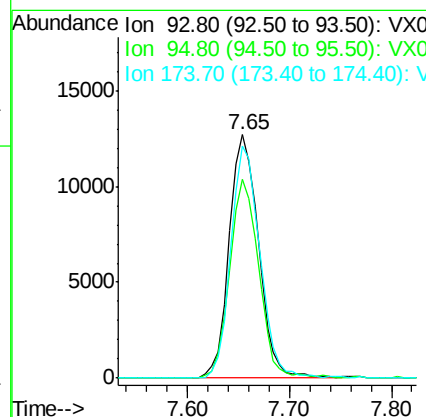
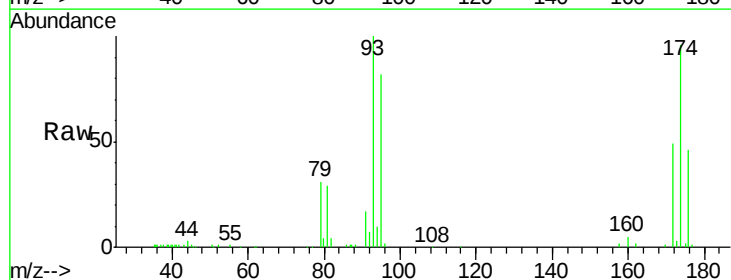
Manual Integrations
 APPROVED

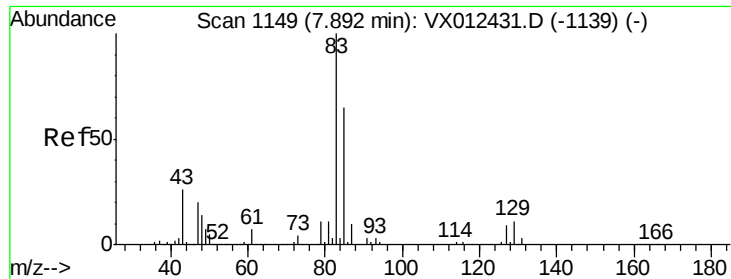
MMDadoda
 9/20/2019 10:45:03 AM



#46
 Dibromomethane
 Concen: 20.163 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.2	66.6	100.0
174	94.0	77.4	116.0





#47

Bromodichloromethane

Concen: 19.724 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

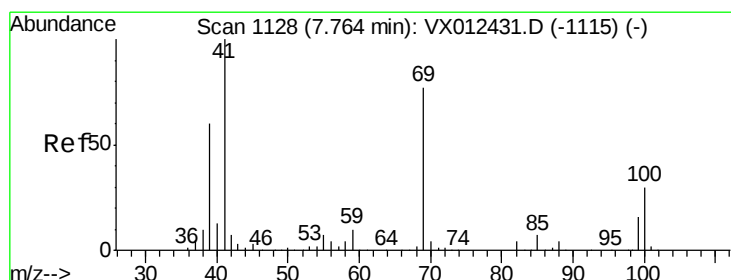
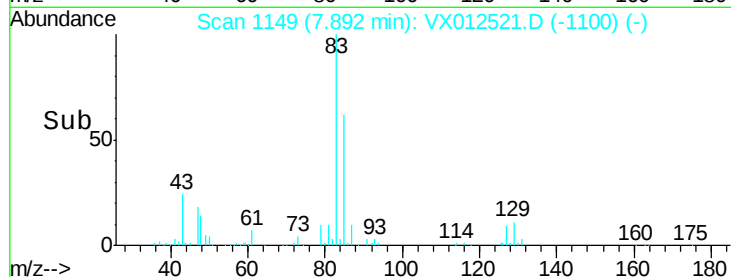
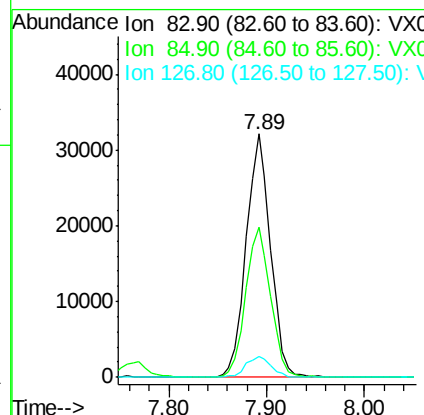
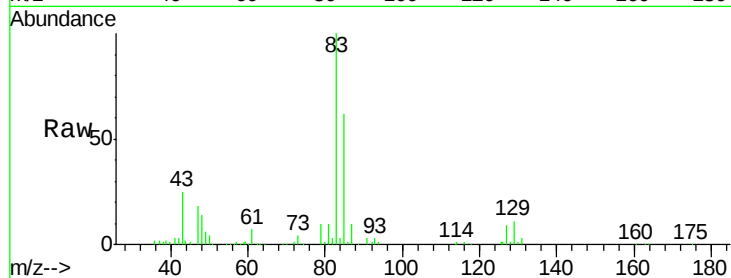
ClientSampleId :

VX0919MBS01

Tot Ion:	83	Resp:	55311
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.8	77.6
127	8.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.684 ug/l

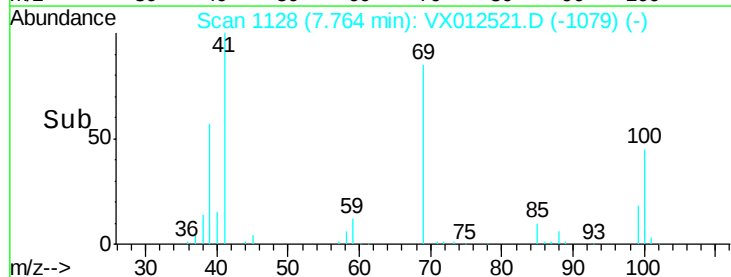
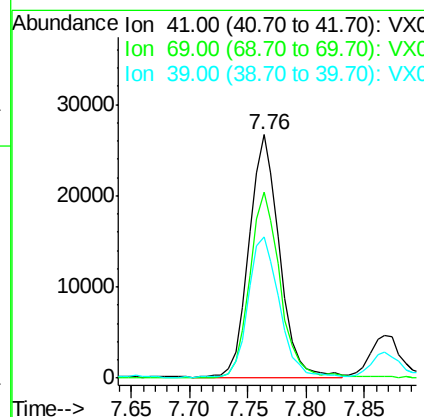
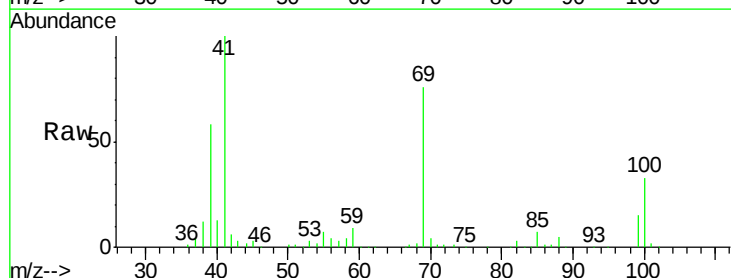
RT: 7.76 min Scan# 1128

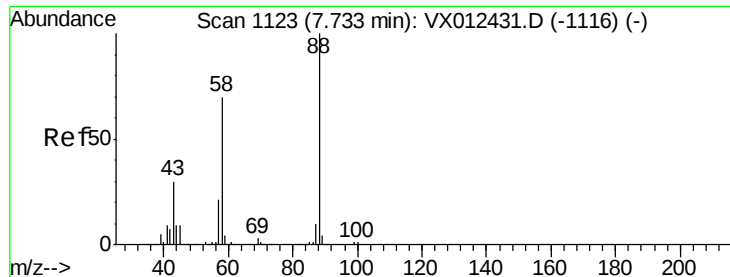
Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Tgt Ion:	41	Resp:	48338
Ion	Ratio	Lower	Upper
41	100		
69	78.5	59.9	89.9
39	58.4	47.8	71.6





#49

1,4-Dioxane

Concen: 353.007 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 88 Resp: 22228

Ion Ratio Lower Upper

88 100

43 34.6 29.4 44.0

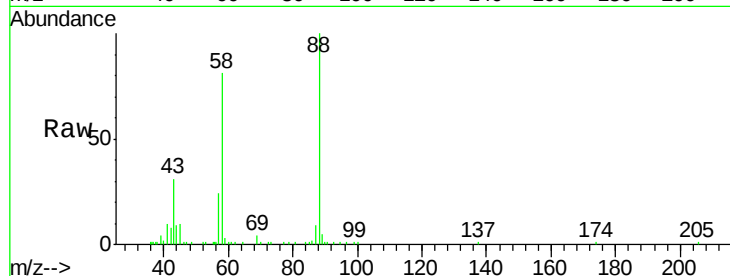
58 74.8 57.5 86.3

Manual Integrations

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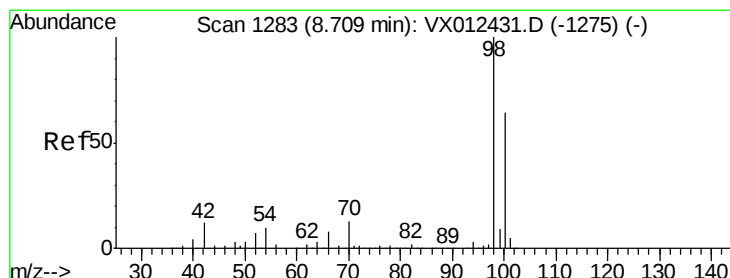
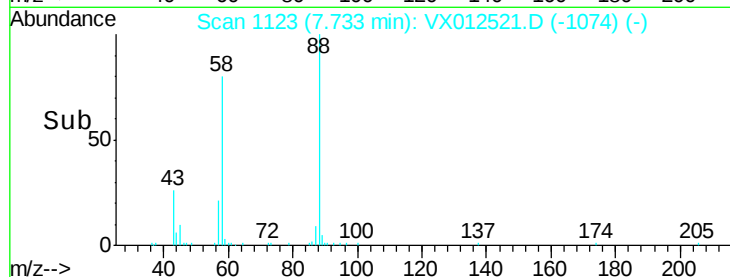
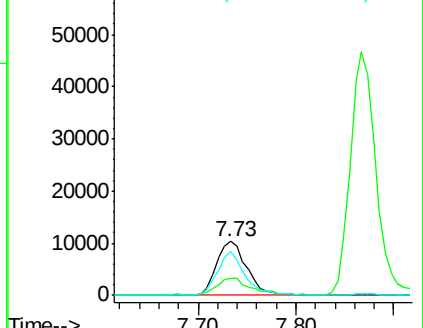
9/20/2019 10:45:03 AM



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.702 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012521.D

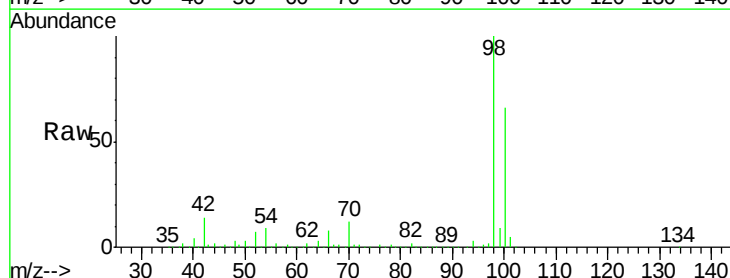
Acq: 19 Sep 2019 12:27

Tgt Ion: 98 Resp: 350300

Ion Ratio Lower Upper

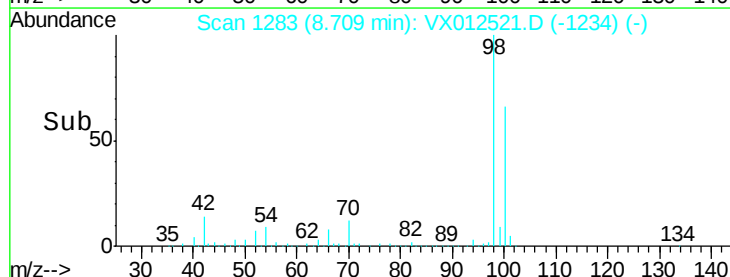
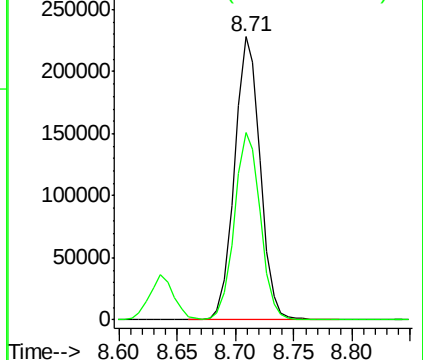
98 100

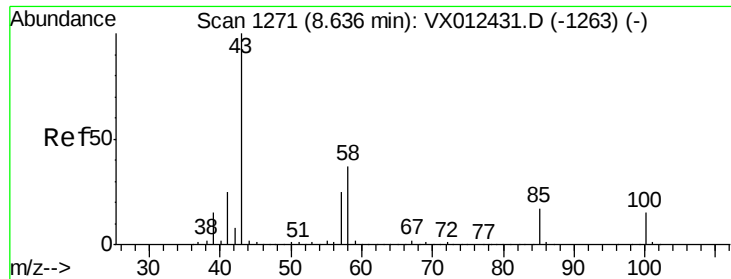
100 66.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 95.491 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0919MBS01

Tot Ion: 43 Resp: 343699

Ion Ratio Lower Upper

43 100

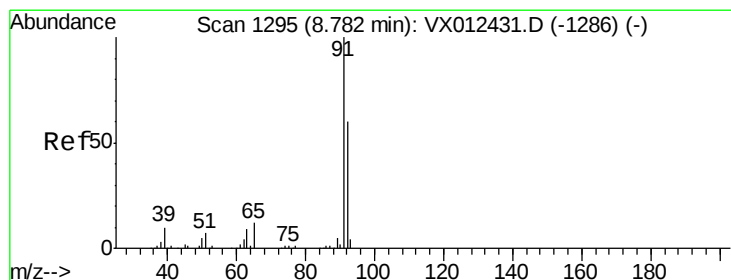
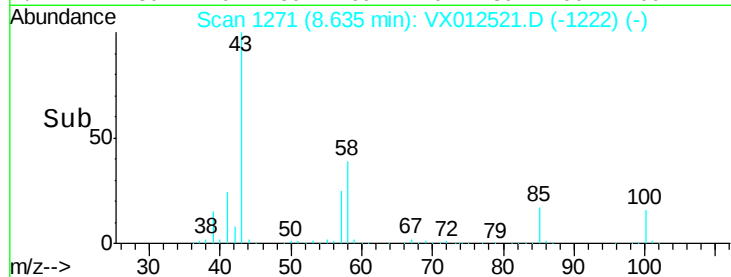
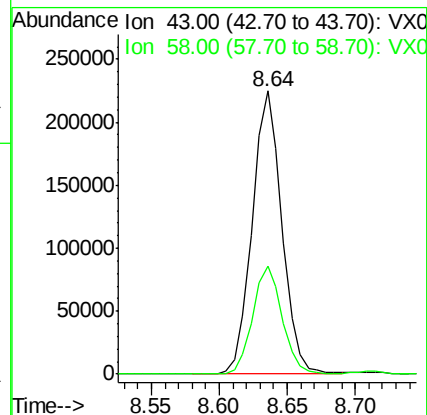
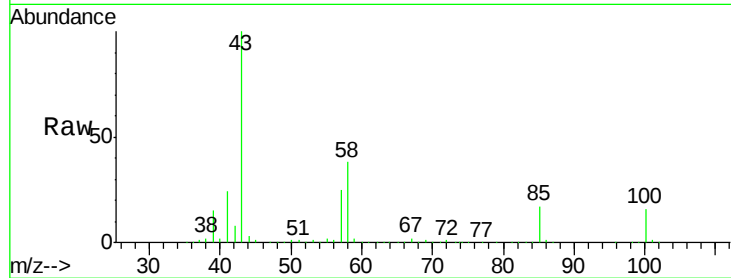
58 38.0 29.8 44.6

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#52

Toluene

Concen: 20.661 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012521.D

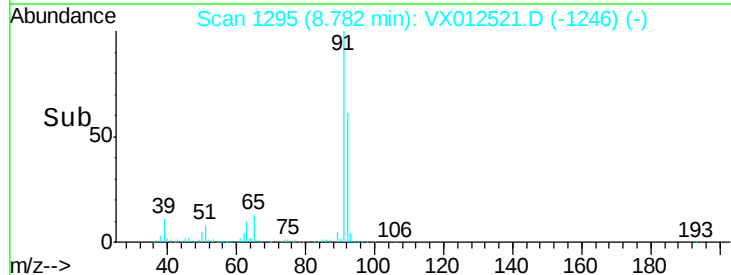
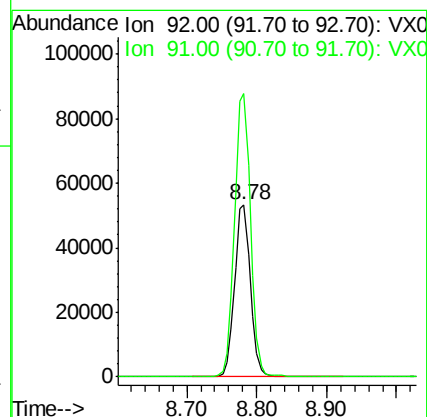
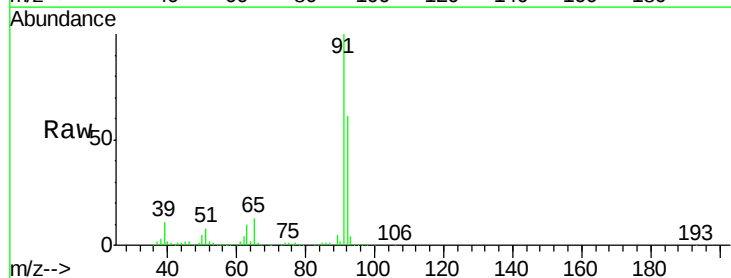
Acq: 19 Sep 2019 12:27

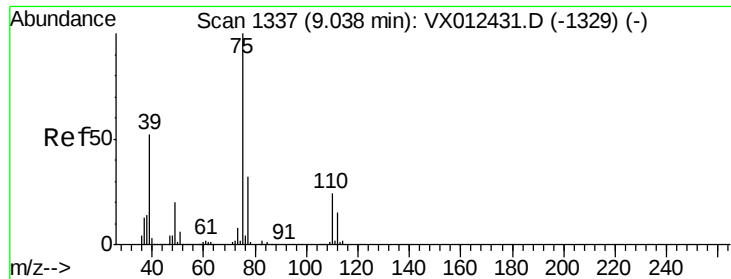
Tgt Ion: 92 Resp: 84340

Ion Ratio Lower Upper

92 100

91 165.4 135.4 203.0





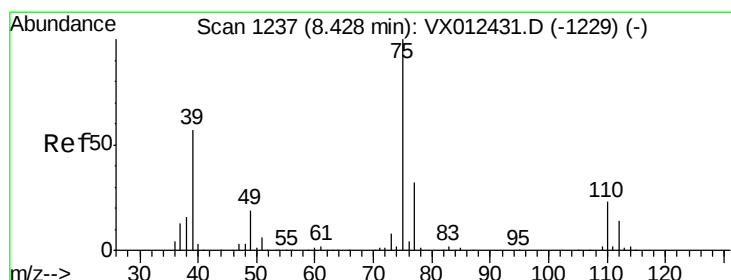
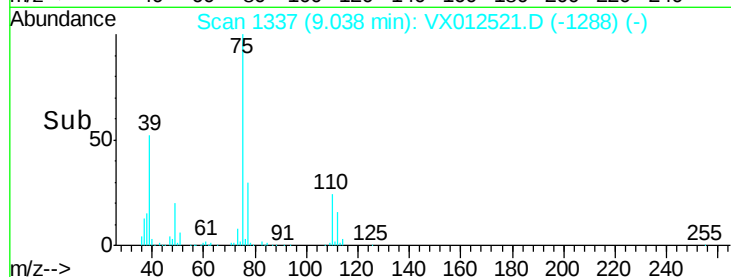
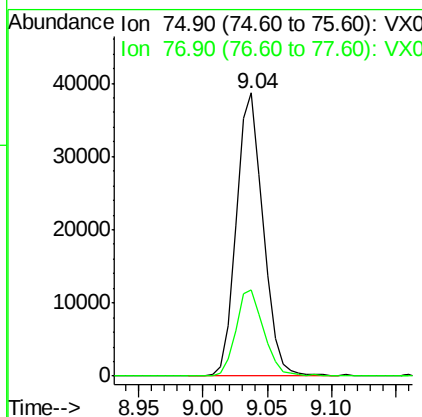
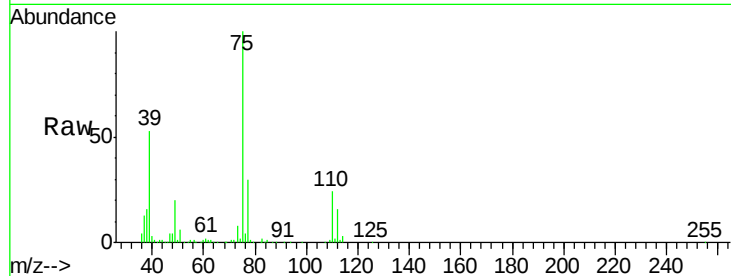
#53
t-1,3-Dichloropropene
Concen: 19.224 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion: 75 Resp: 56039
Ion Ratio Lower Upper
75 100
77 30.5 25.2 37.8

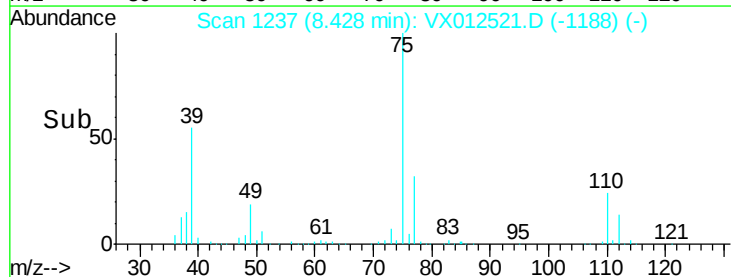
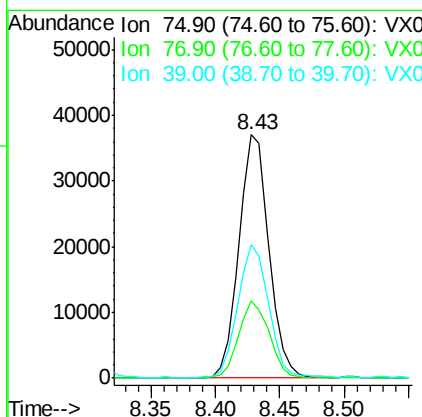
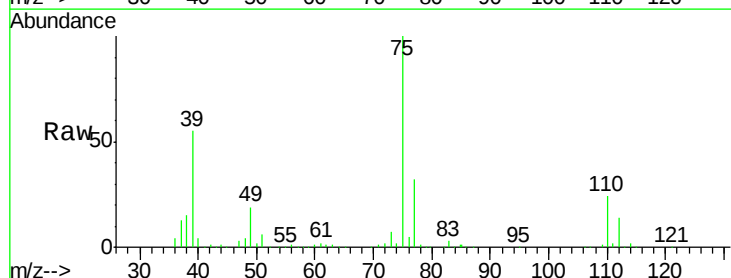
Manual Integrations
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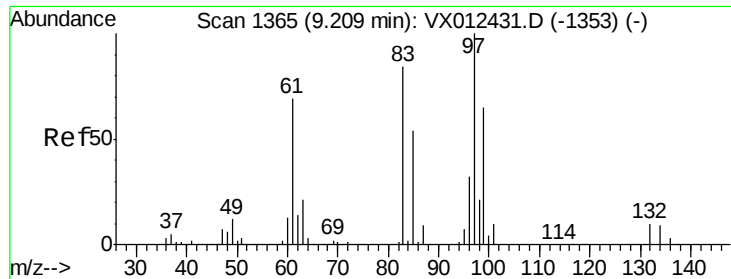
MMDadoda
9/20/2019 10:45:03 AM



#54
cis-1,3-Dichloropropene
Concen: 19.829 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion: 75 Resp: 59843
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8
39 54.7 45.5 68.3





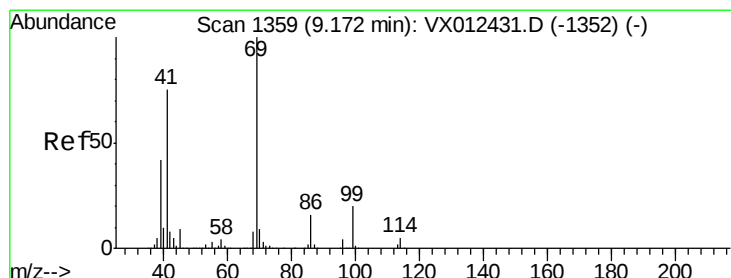
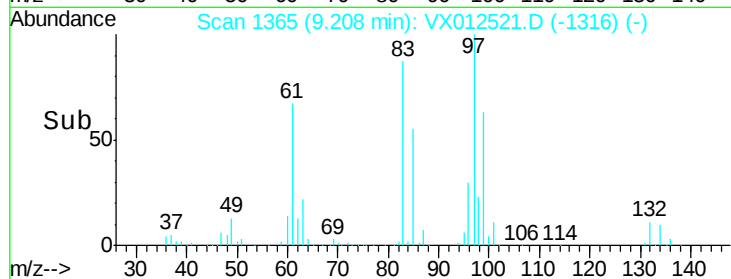
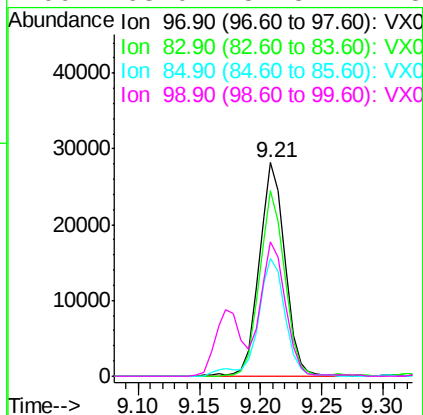
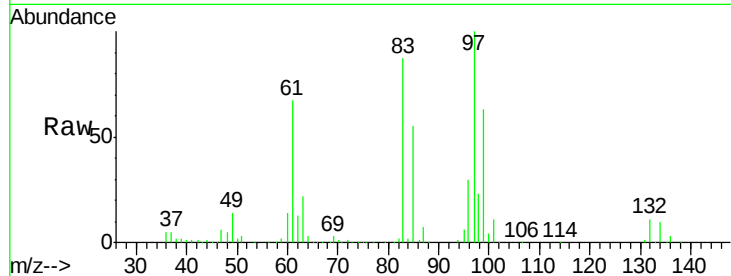
#55
 1,1,2-Trichloroethane
 Concen: 19.769 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion:	97	Resp:	41575
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.4	101.2
85	54.9	43.5	65.3
99	63.0	51.8	77.8

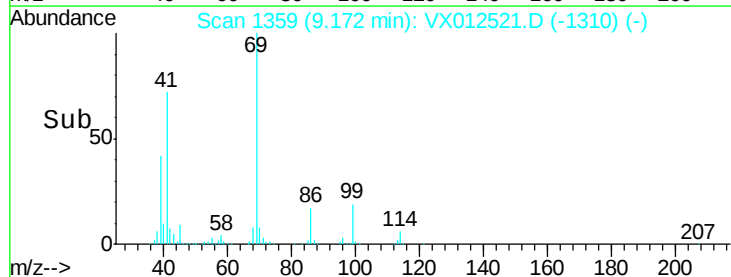
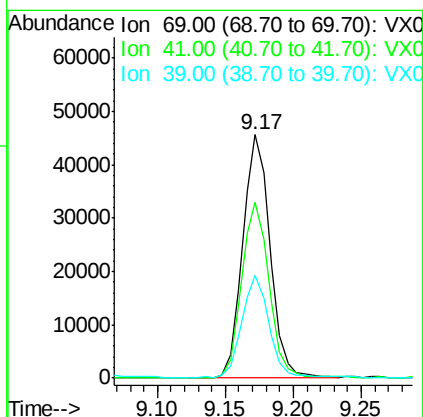
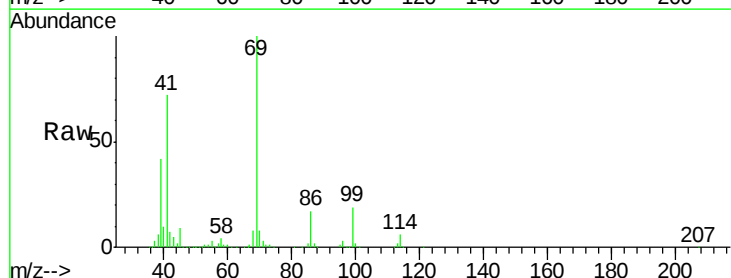
Manual Integrations
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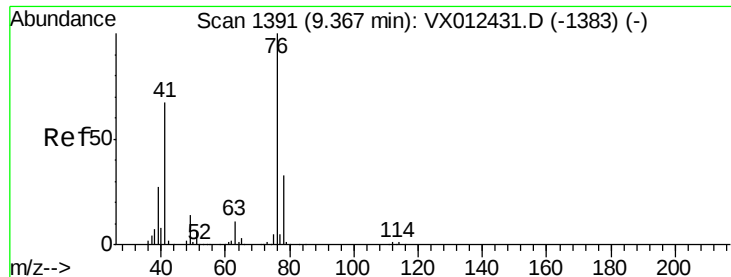
MMDadoda
 9/20/2019 10:45:03 AM



#56
 Ethyl methacrylate
 Concen: 19.505 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion:	69	Resp:	64135
Ion	Ratio	Lower	Upper
69	100		
41	71.5	58.4	87.6
39	41.2	33.4	50.0





#57

1,3-Dichloropropane

Concen: 20.230 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 76 Resp: 67880

Ion Ratio Lower Upper

76 100

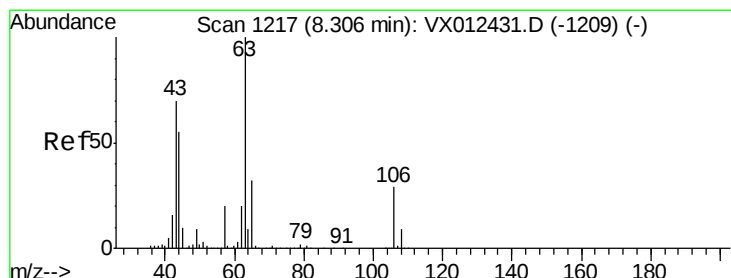
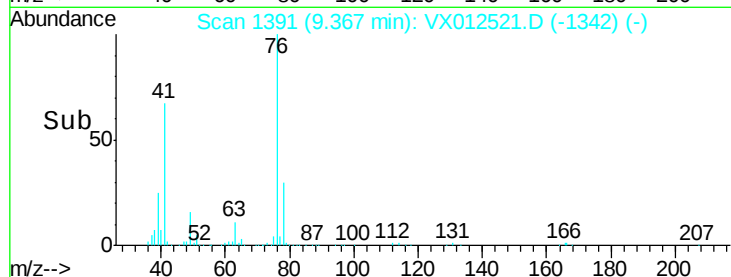
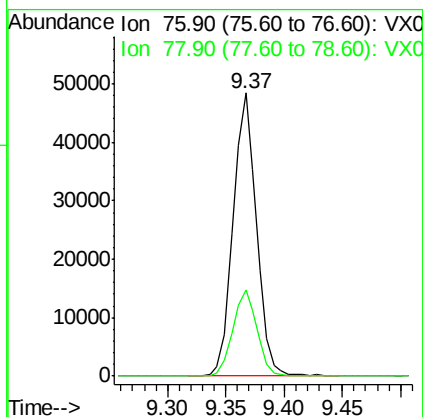
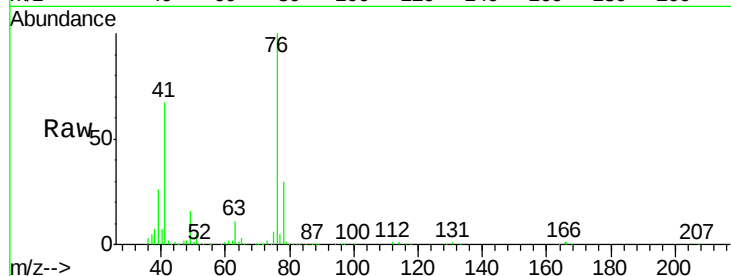
78 31.4 26.2 39.2

Manual Integrations

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MMDadoda

9/20/2019 10:45:03 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.492 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012521.D

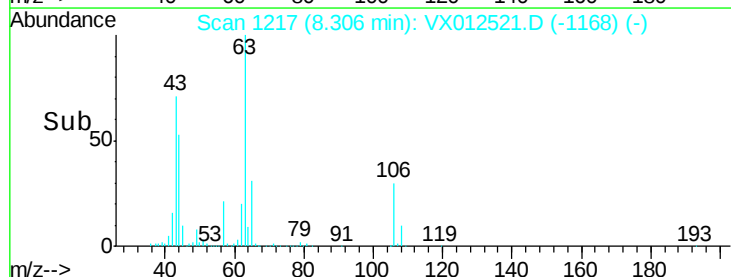
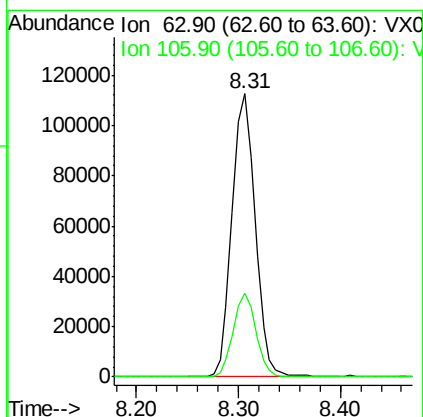
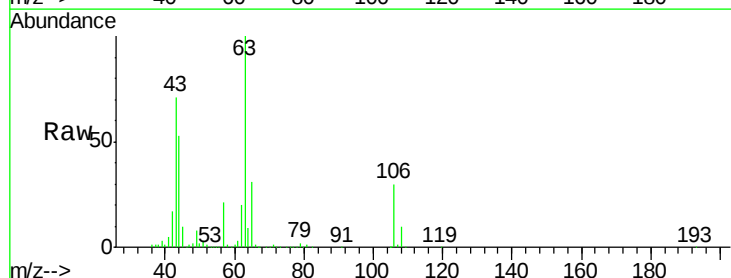
Acq: 19 Sep 2019 12:27

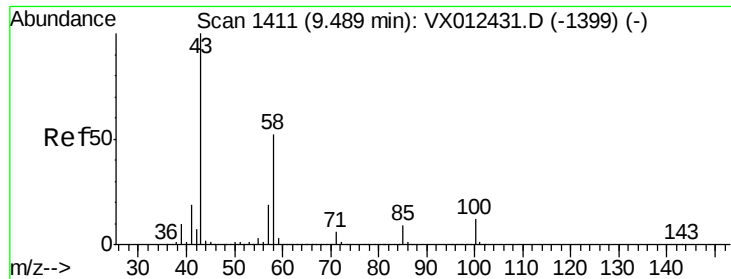
Tgt Ion: 63 Resp: 177850

Ion Ratio Lower Upper

63 100

106 28.8 23.8 35.6





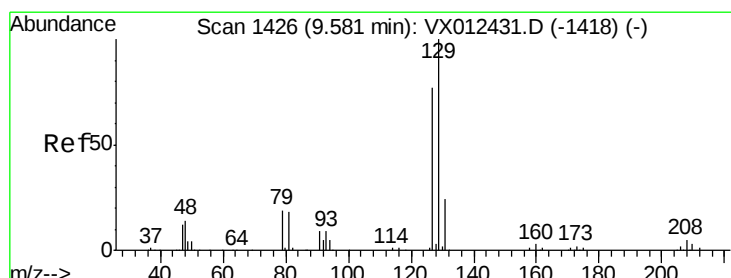
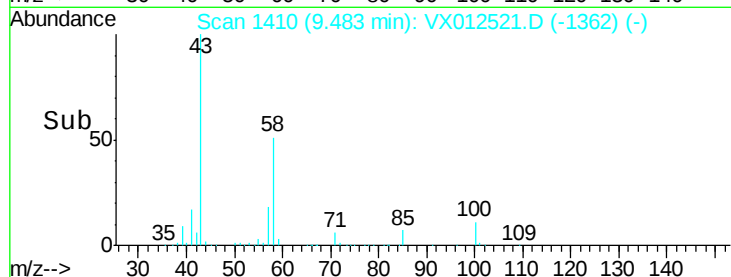
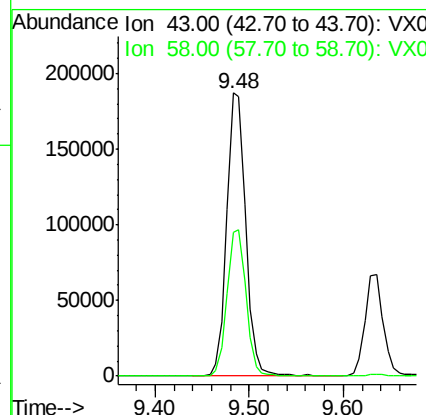
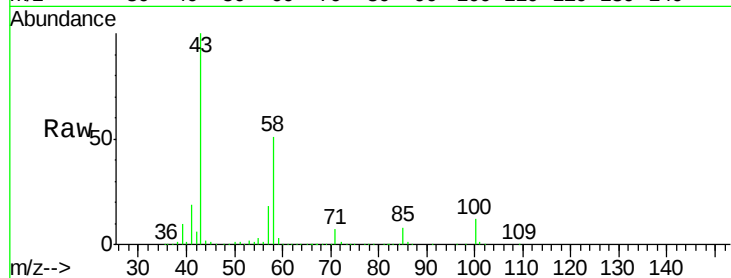
#59
2-Hexanone
Concen: 93.336 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion: 43 Resp: 262090
Ion Ratio Lower Upper
43 100
58 52.0 25.7 77.1

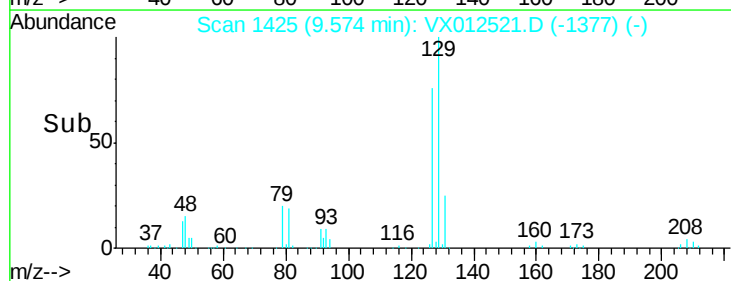
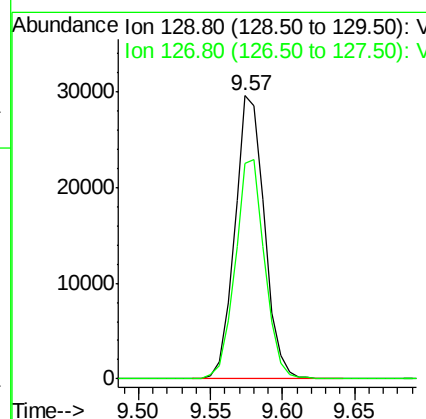
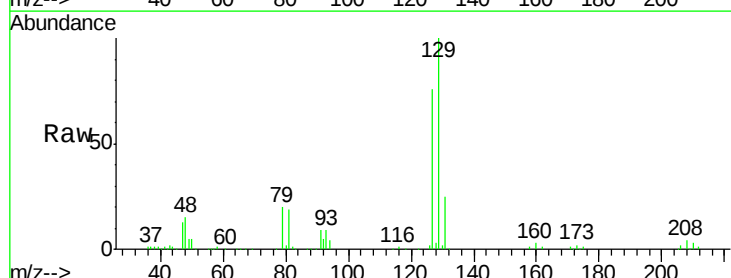
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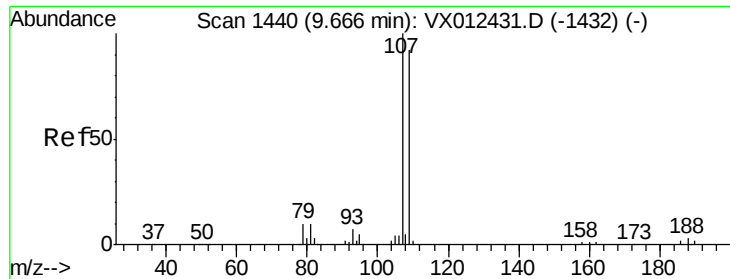
MMDadoda
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#60
Dibromochloromethane
Concen: 19.846 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion: 129 Resp: 42514
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.816 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion:107 Resp: 39982

Ion Ratio Lower Upper

107 100

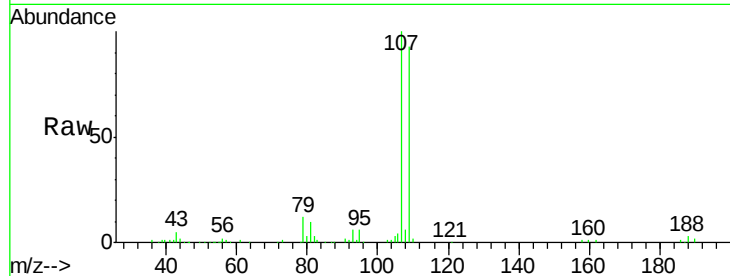
109 93.6 74.7 112.1

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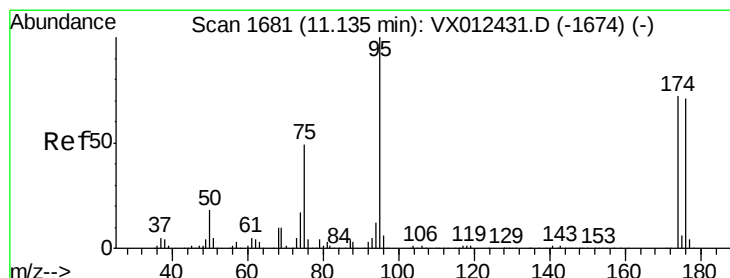
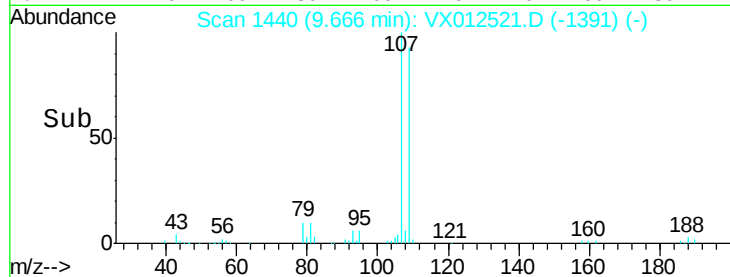
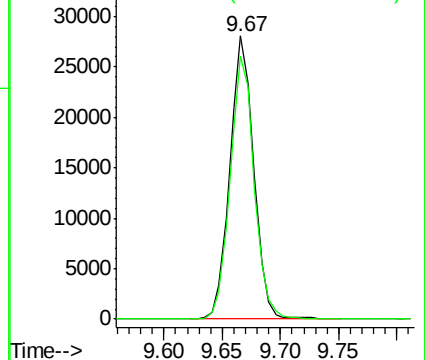
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.503 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

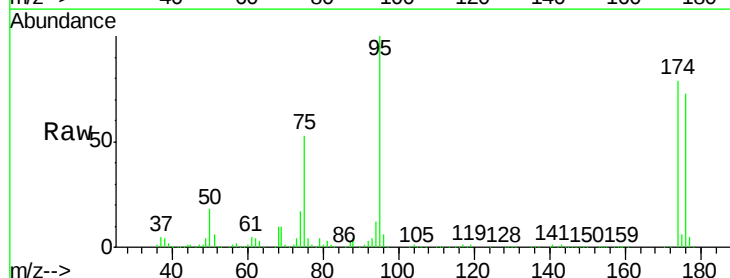
Tgt Ion: 95 Resp: 138743

Ion Ratio Lower Upper

95 100

174 72.7 0.0 140.0

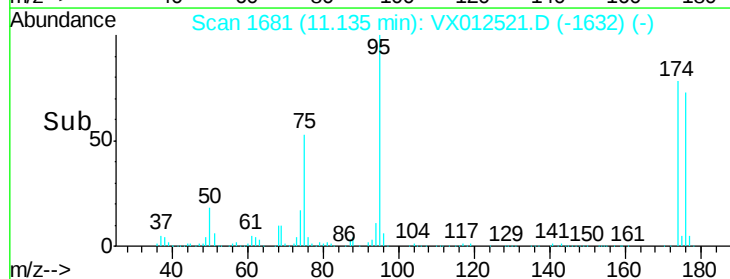
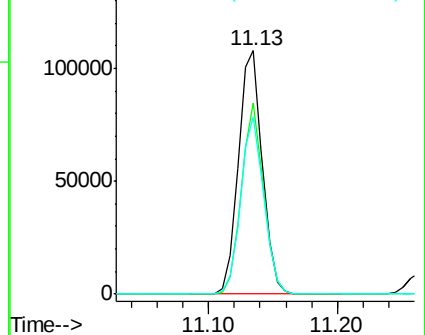
176 70.1 0.0 135.4

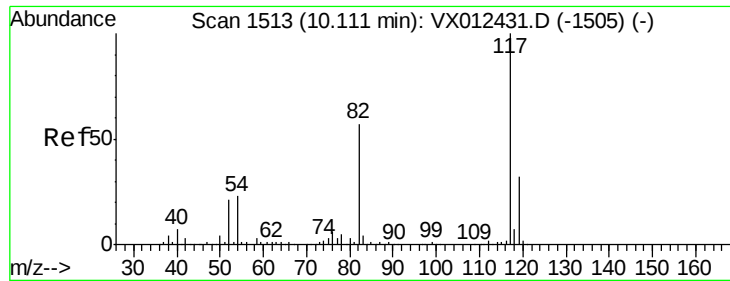


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

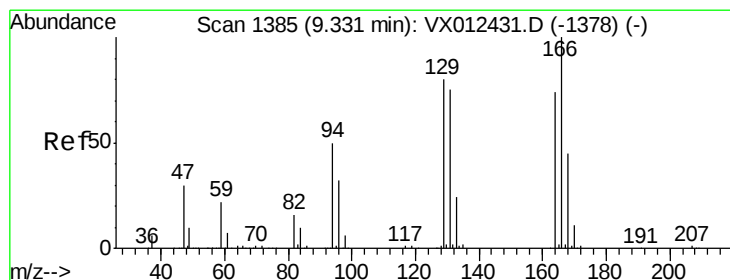
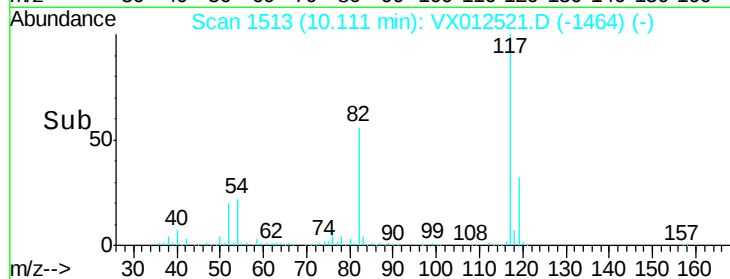
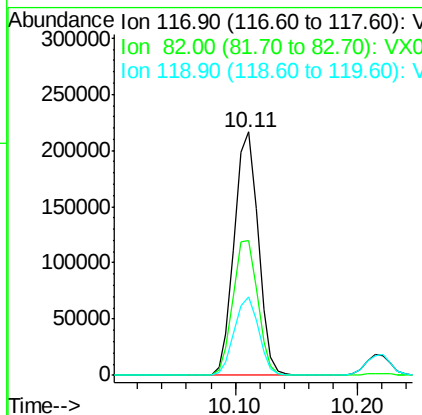
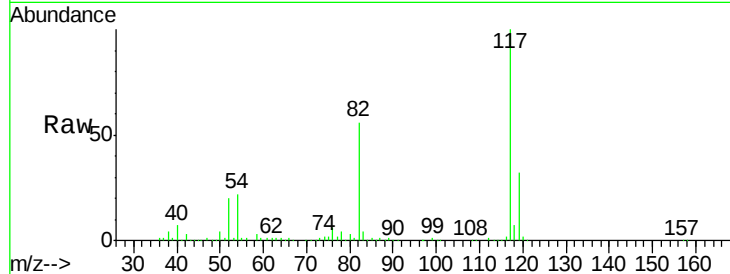
ClientSampleId :

VX0919MBS01

Tot Ion:	117	Resp:	293101
Ion Ratio		Lower	Upper
117	100		
82	55.6	45.9	68.9
119	32.5	25.3	37.9

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#64

Tetrachloroethene

Concen: 22.956 ug/l

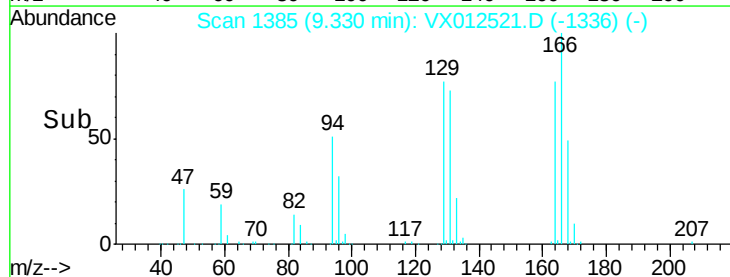
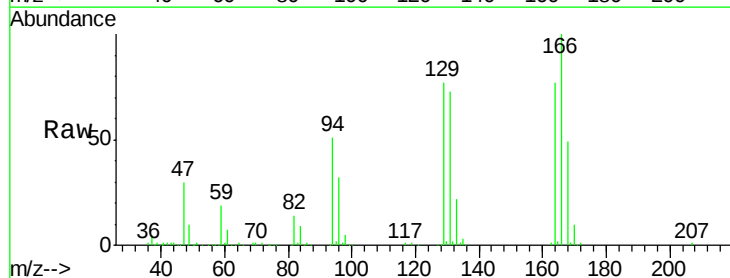
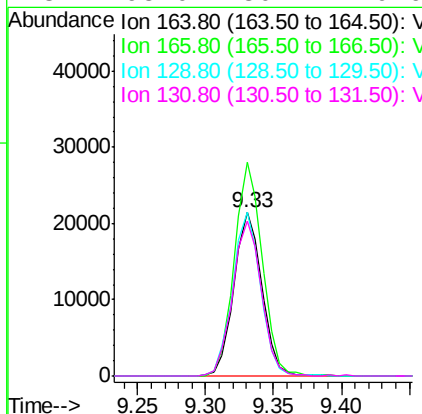
RT: 9.33 min Scan# 1385

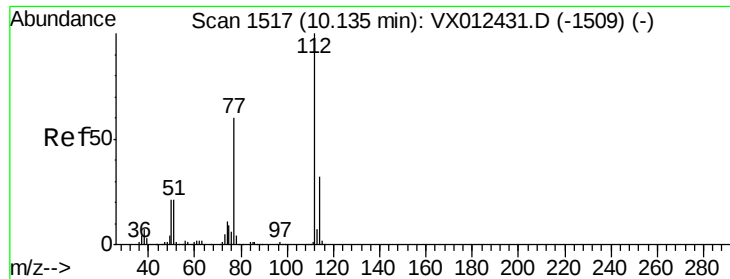
Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Tgt Ion:	164	Resp:	30832
Ion Ratio		Lower	Upper
164	100		
166	130.5	107.8	161.6
129	100.4	86.2	129.2
131	95.0	80.4	120.6





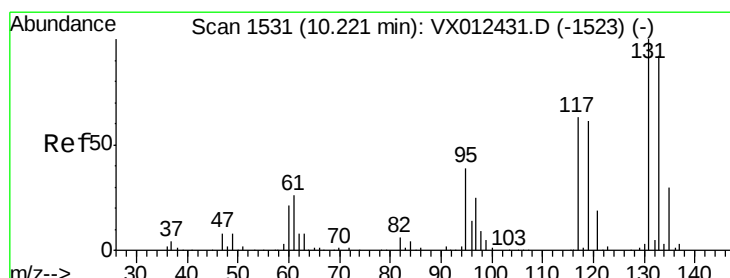
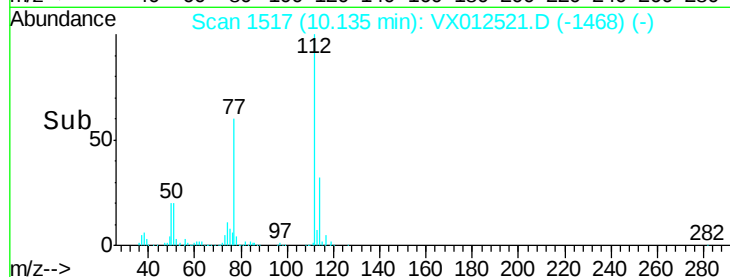
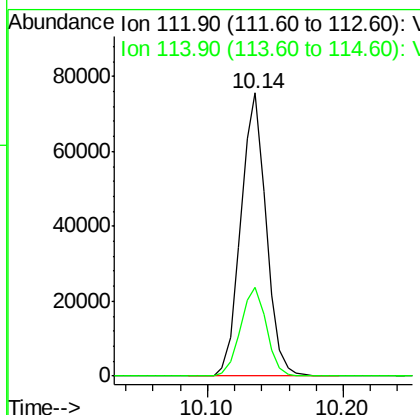
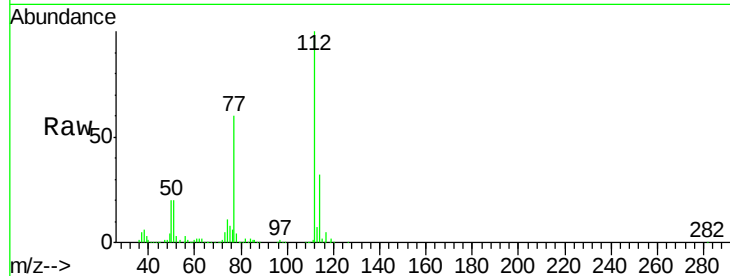
#65
Chlorobenzene
Concen: 20.281 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion:112 Resp: 98113
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0

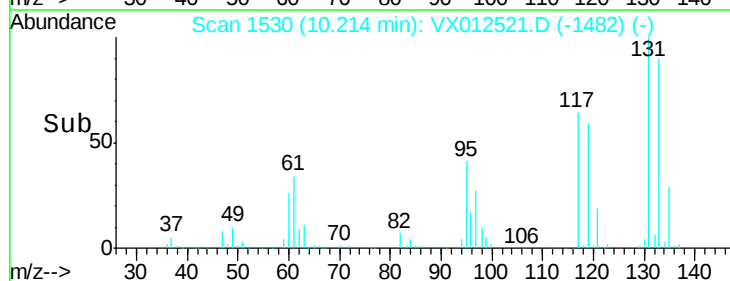
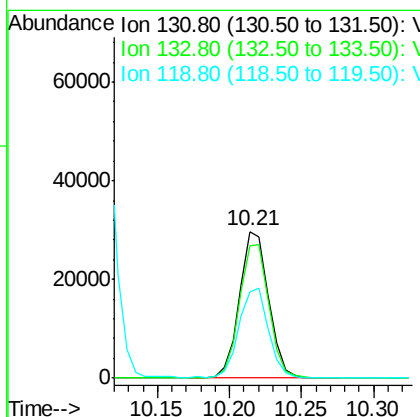
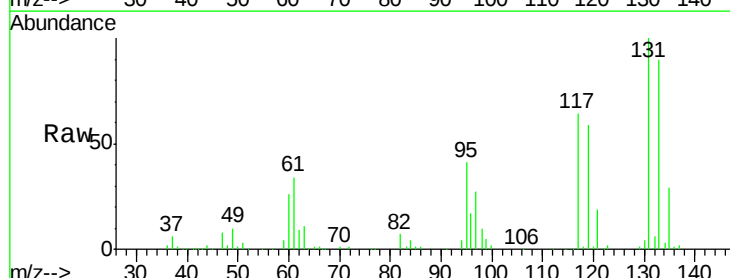
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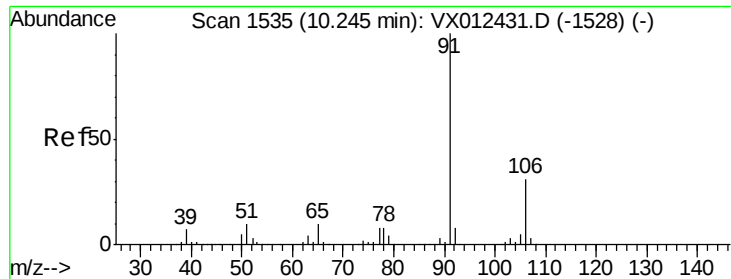
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.665 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion:131 Resp: 41489
Ion Ratio Lower Upper
131 100
133 92.6 47.6 142.9
119 62.8 31.3 93.8





#67

Ethyl Benzene

Concen: 20.271 ug/l

RT: 10.24 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 91 Resp: 168482

Ion Ratio Lower Upper

91 100

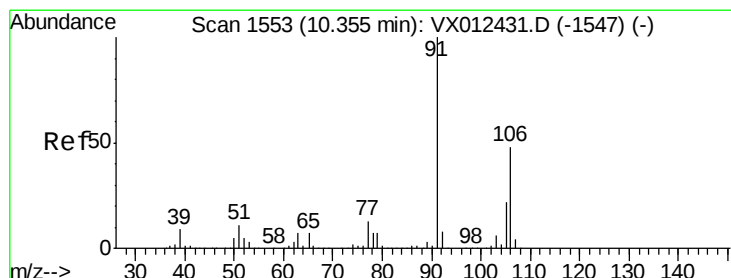
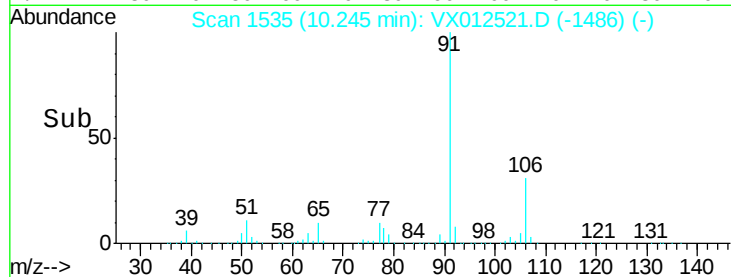
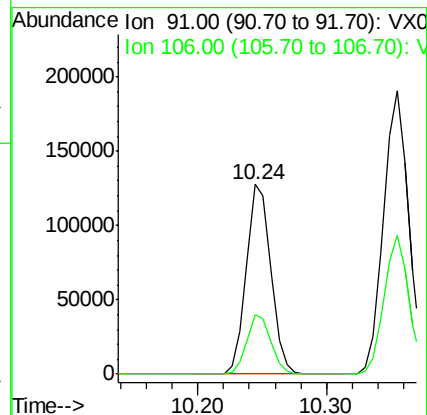
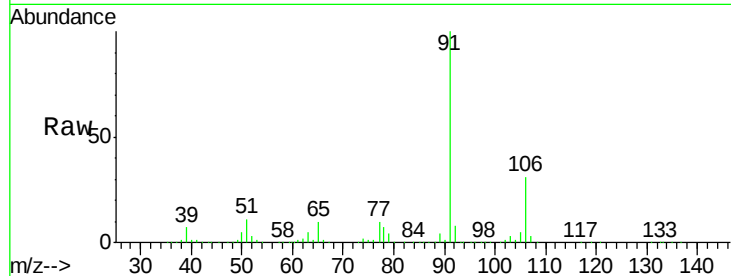
106 31.4 24.6 37.0

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#68

m/p-Xylenes

Concen: 41.162 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012521.D

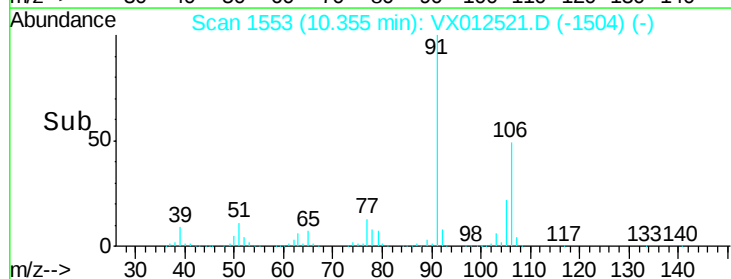
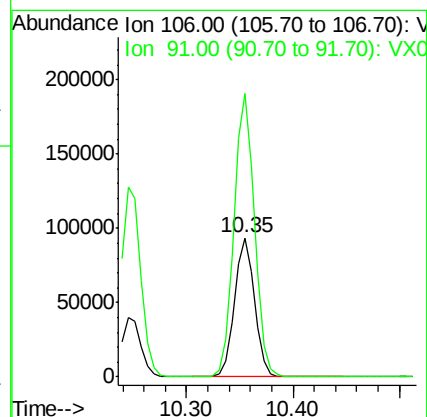
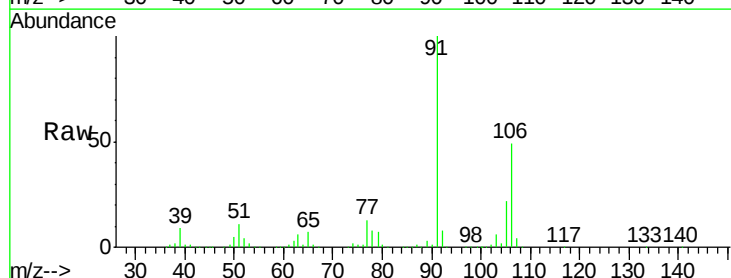
Acq: 19 Sep 2019 12:27

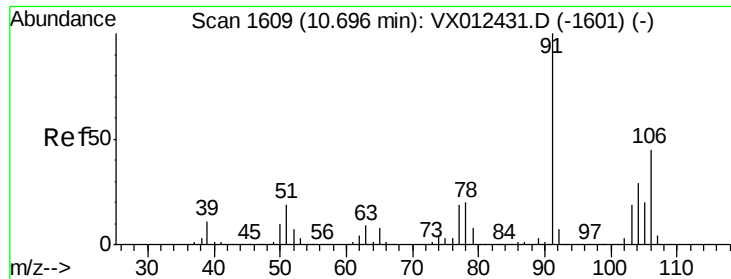
Tgt Ion: 106 Resp: 124478

Ion Ratio Lower Upper

106 100

91 206.6 166.6 250.0





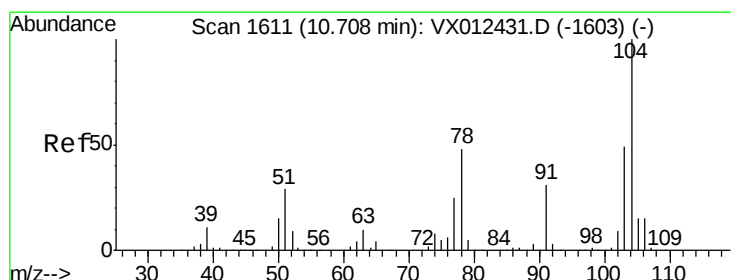
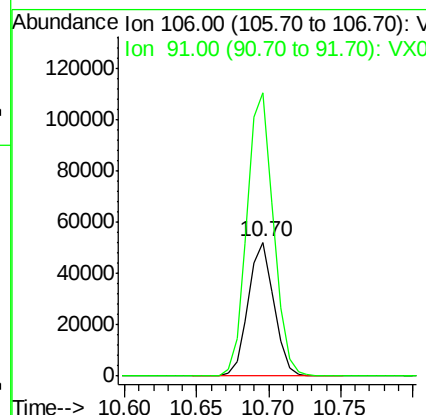
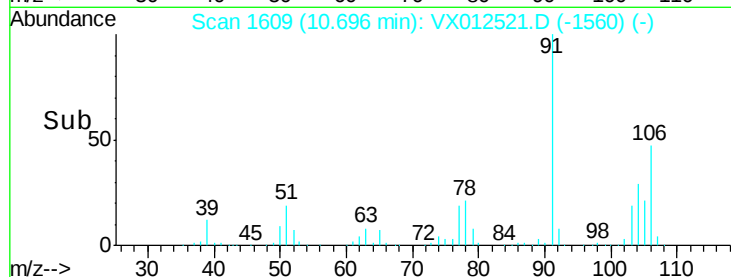
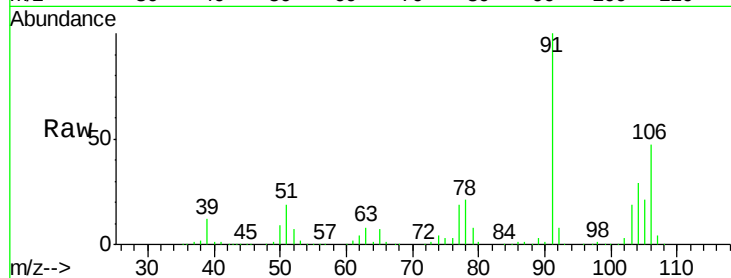
#69
o-Xylene
Concen: 20.747 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion:106 Resp: 64522
Ion Ratio Lower Upper
106 100
91 218.6 109.4 328.2

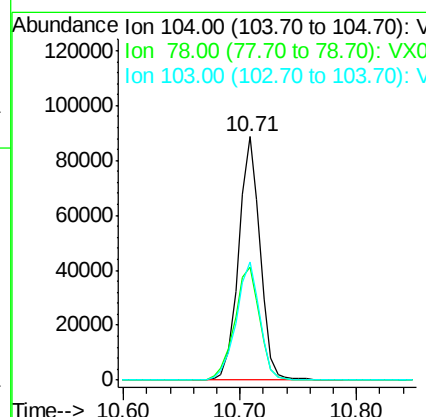
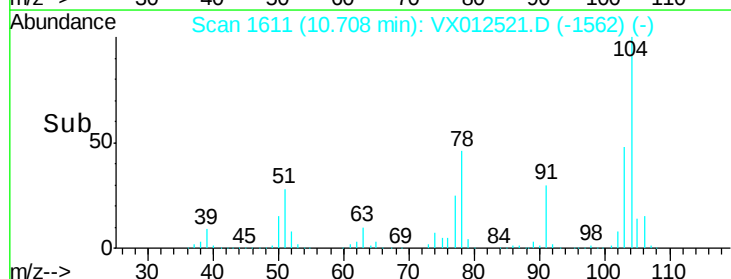
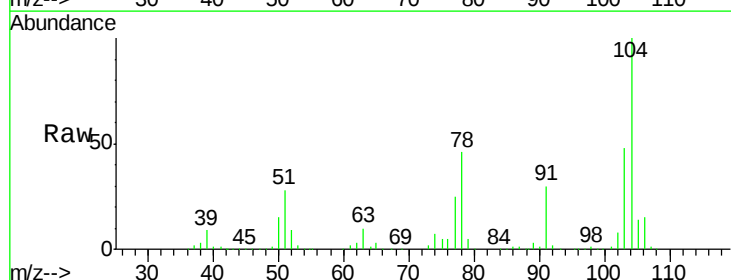
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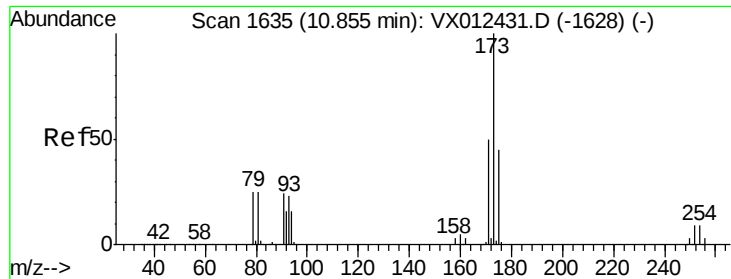
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#70
Styrene
Concen: 20.645 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion:104 Resp: 113602
Ion Ratio Lower Upper
104 100
78 54.1 43.4 65.2
103 53.1 43.3 64.9





#71

Bromoform

Concen: 18.253 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion:173 Resp: 28212

Ion Ratio Lower Upper

173 100

175 49.1 23.7 71.1

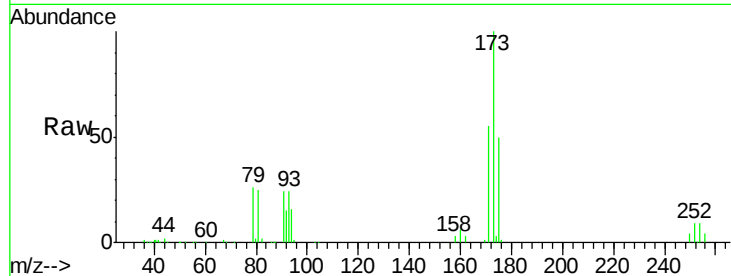
254 0.0 0.1 0.1#

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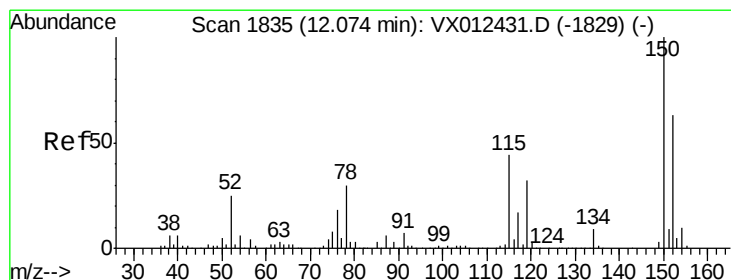
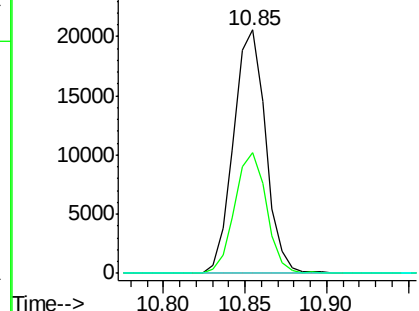
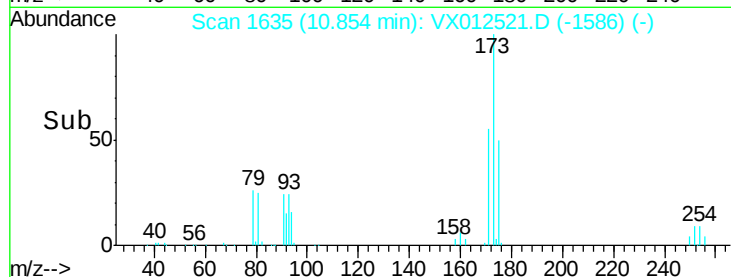
9/20/2019 10:45:03 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

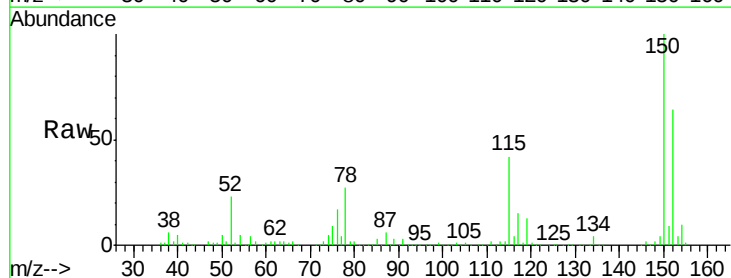
Tgt Ion:152 Resp: 139559

Ion Ratio Lower Upper

152 100

115 71.6 44.1 132.3

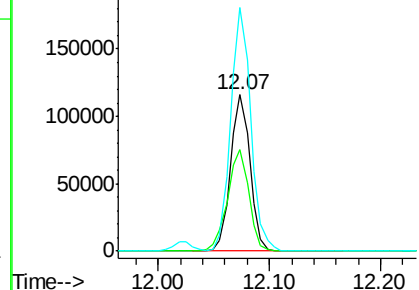
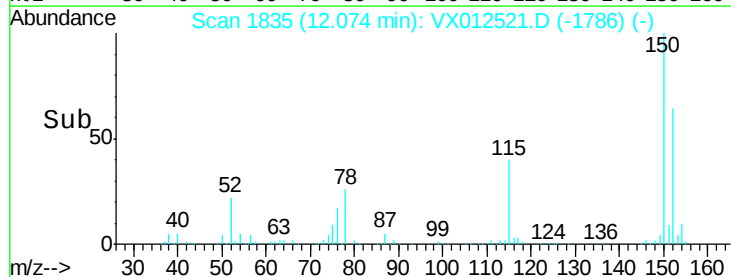
150 161.2 0.0 343.8

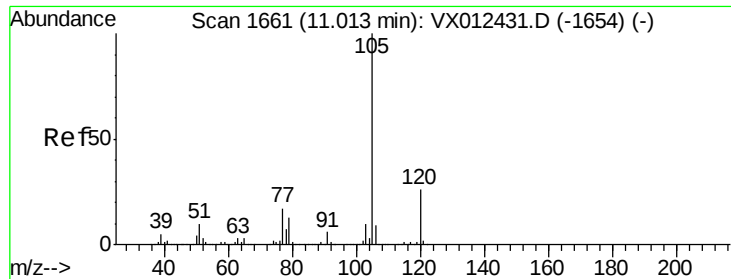


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.651 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion:105 Resp: 180830

Ion Ratio Lower Upper

105 100

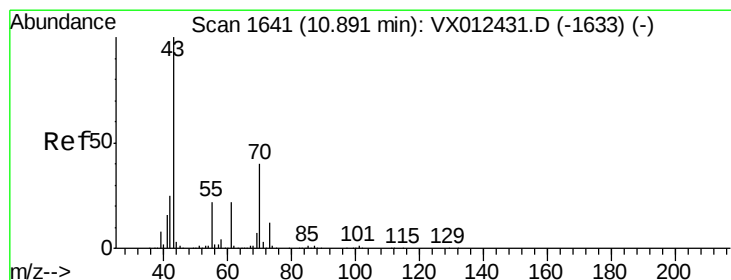
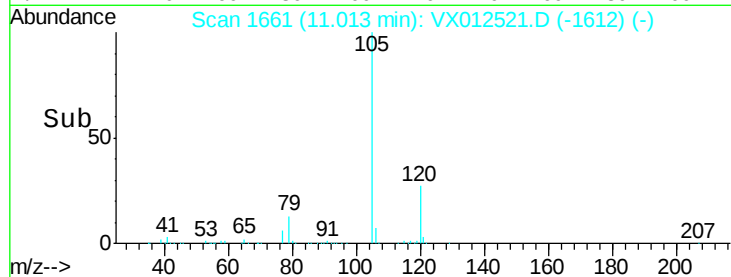
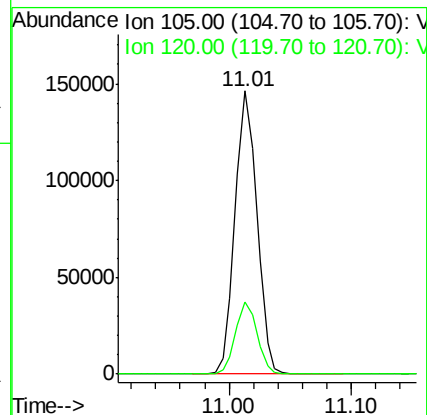
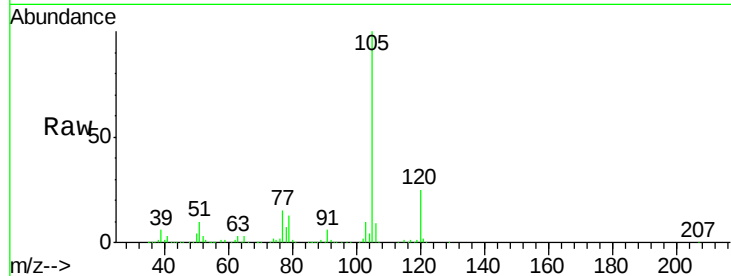
120 25.4 12.9 38.7

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#74

N-ethyl acetate

Concen: 19.053 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Tgt Ion: 43 Resp: 89824

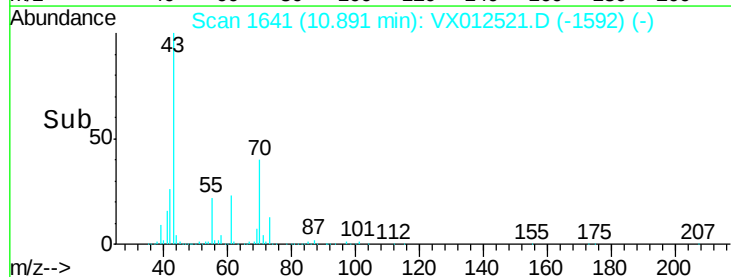
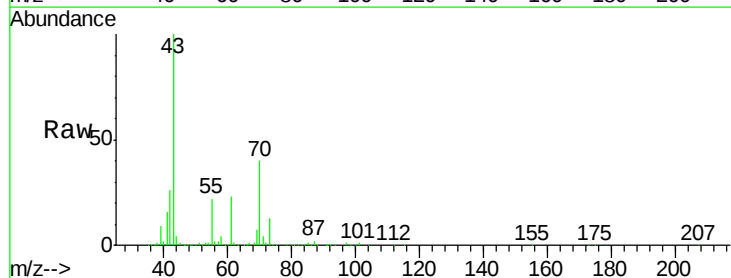
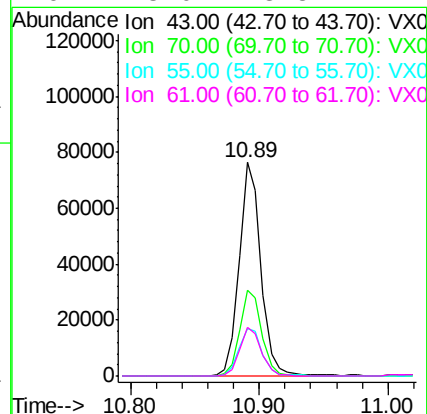
Ion Ratio Lower Upper

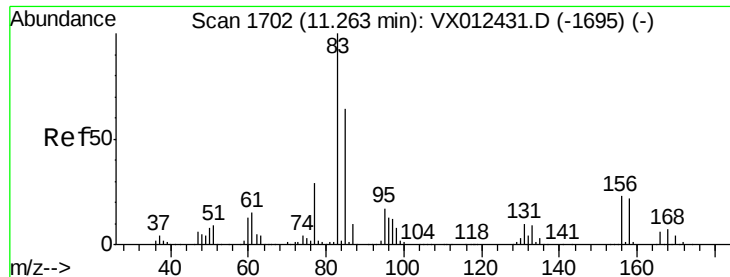
43 100

70 41.0 32.4 48.6

55 23.9 18.2 27.4

61 23.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.533 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

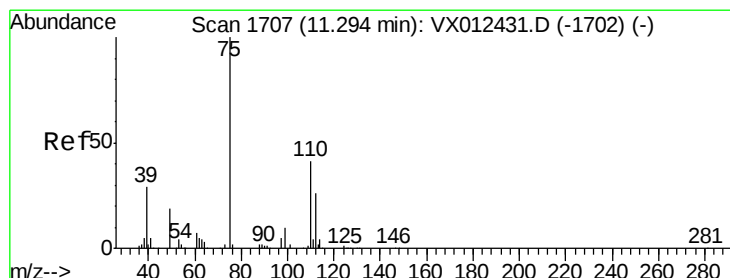
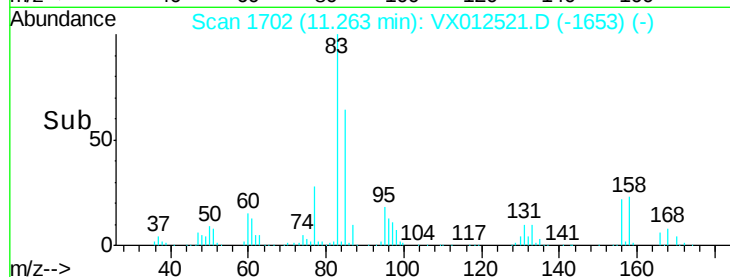
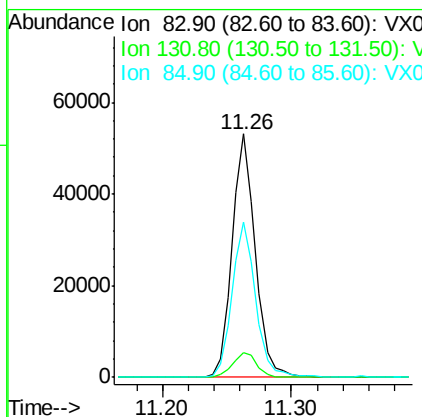
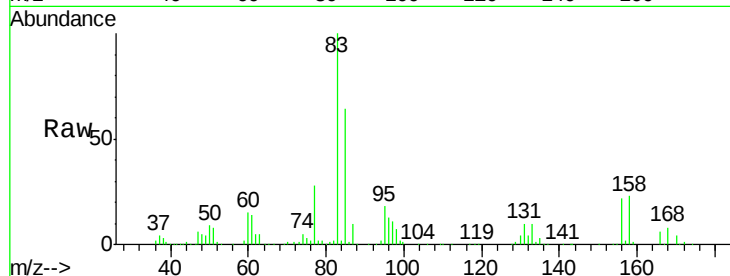
ClientSampleId :

VX0919MBS01

Tot Ion:	83	Resp:	67095
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.8	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.107 ug/l m

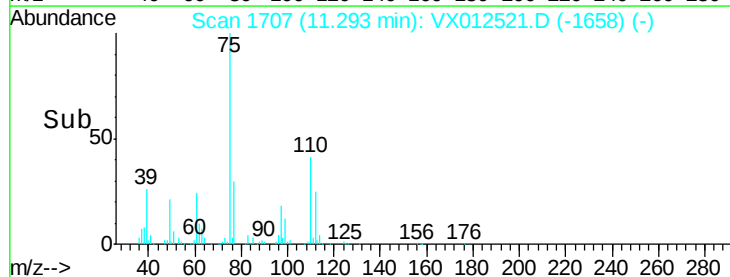
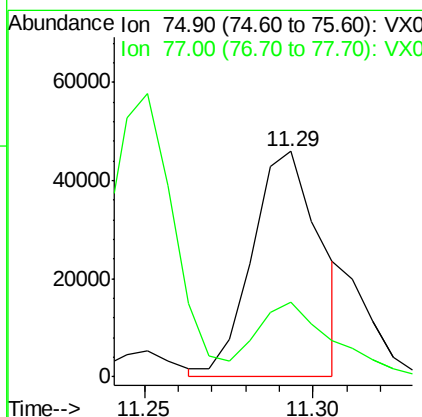
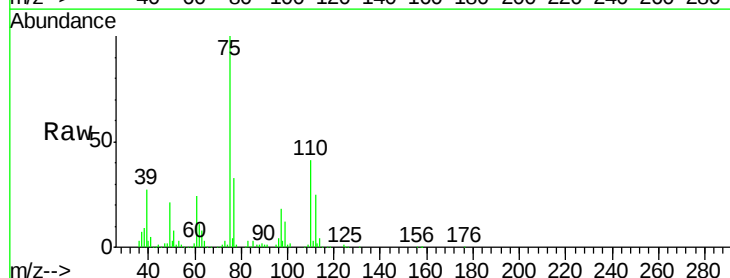
RT: 11.29 min Scan# 1707

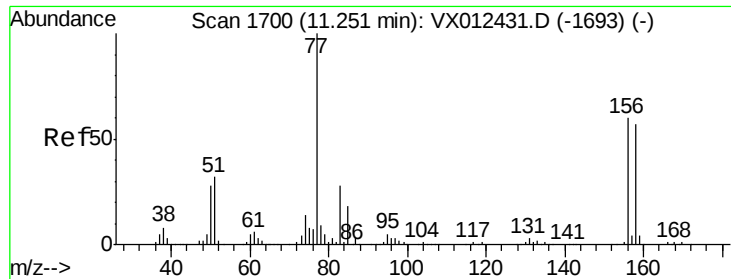
Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Tgt Ion:	75	Resp:	64458
Ion Ratio	Lower	Upper	
75	100		
77	37.2	19.7	59.0





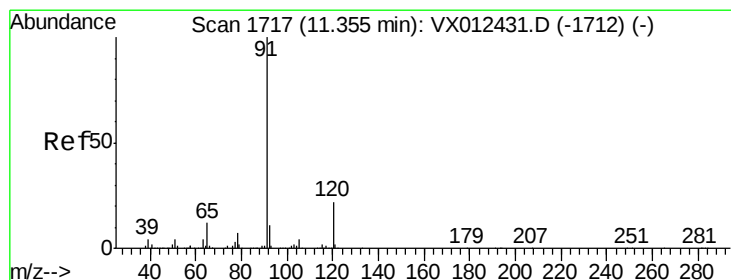
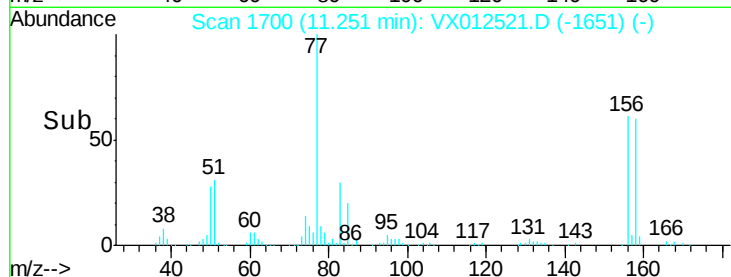
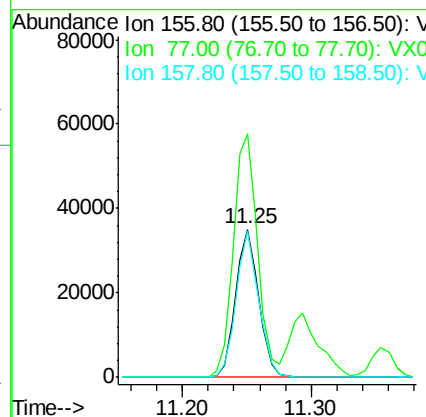
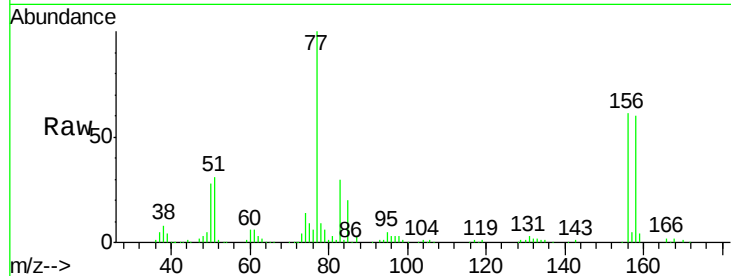
#77
Bromobenzene
Concen: 20.604 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.4	87.3	261.8
158	96.9	48.5	145.6

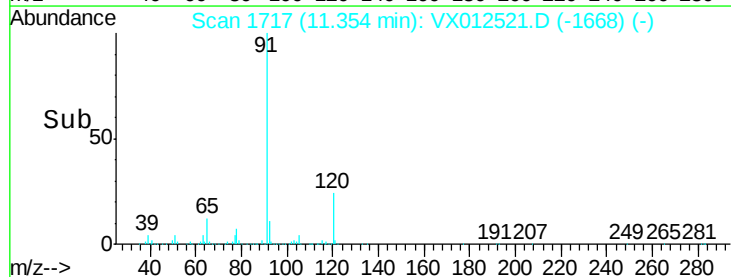
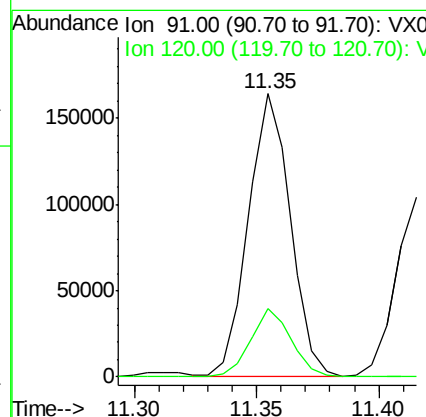
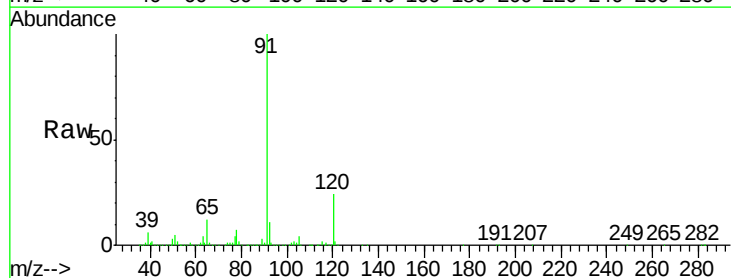
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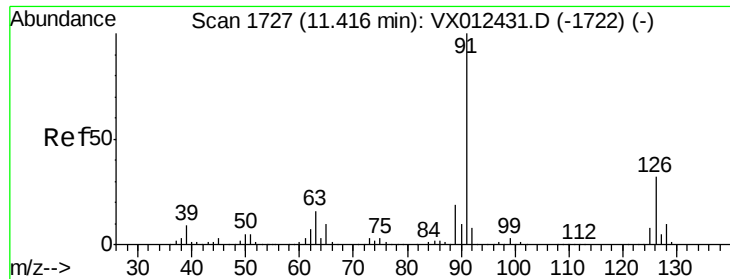
MMDadoda
9/20/2019 10:45:03 AM



#78
n-propylbenzene
Concen: 20.003 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.3	33.8





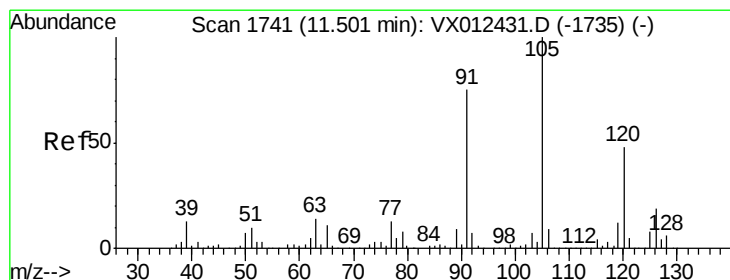
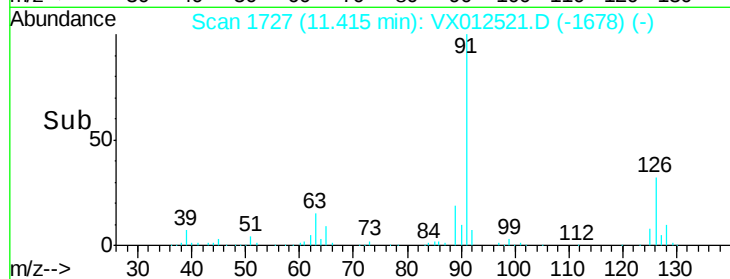
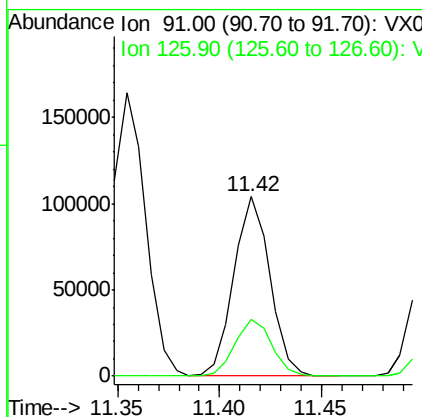
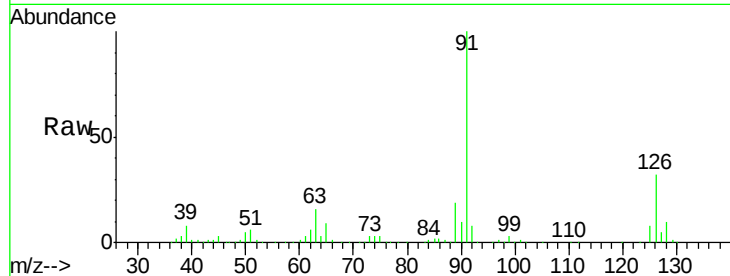
#79
 2-Chlorotoluene
 Concen: 19.961 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	126737		
126	32.4	16.4	49.4	

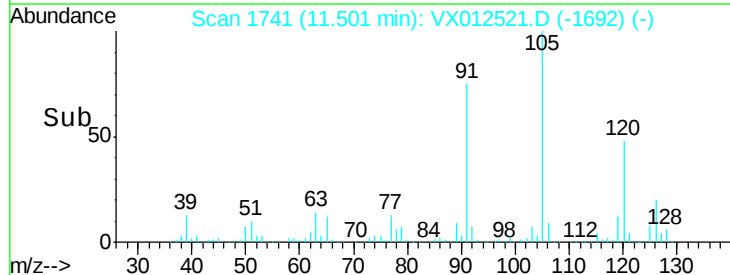
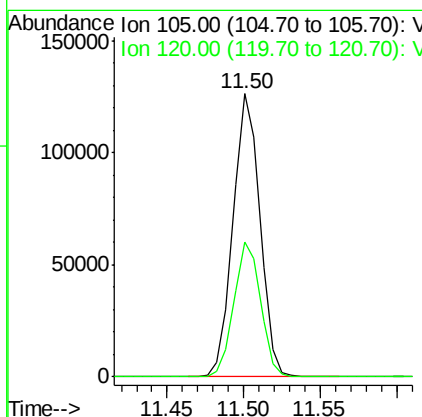
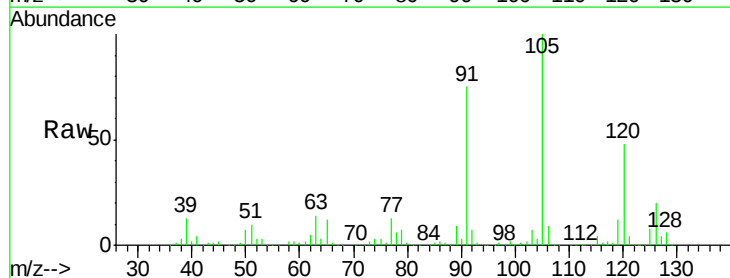
Manual Integrations
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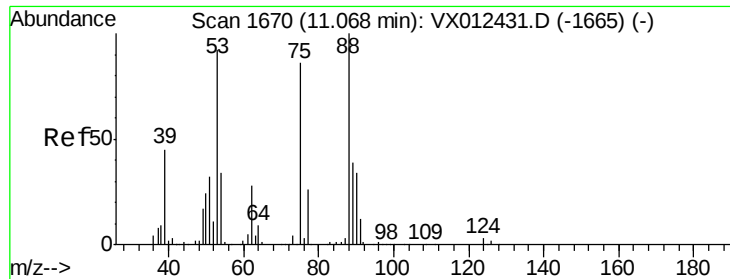
MMDadoda
 9/20/2019 10:45:03 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.630 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	154062		
120	47.3	24.3	72.8	





#81

trans-1,4-Dichloro-2-butene

Concen: 18.069 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 75 Resp: 18639

Ion Ratio Lower Upper

75 100

53 118.7 83.6 125.4

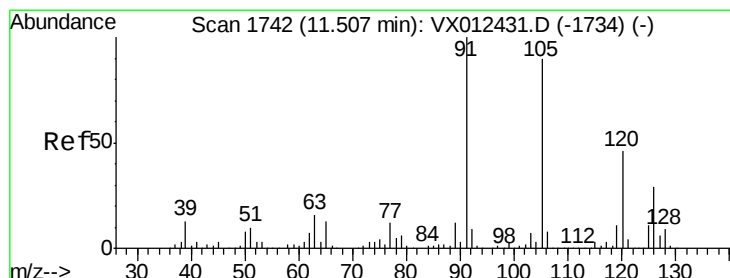
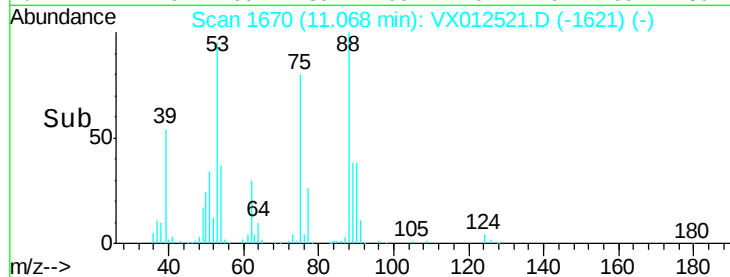
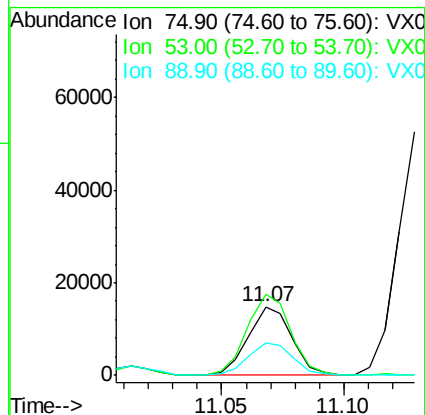
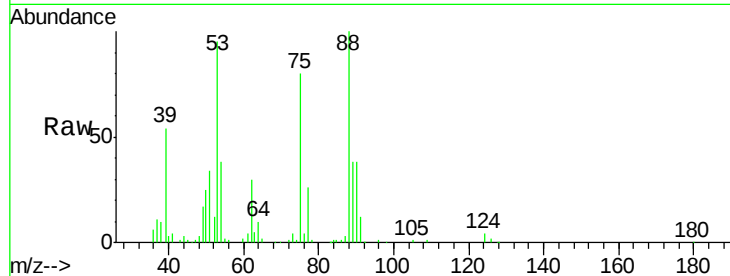
89 48.1 36.3 54.5

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#82

4-Chlorotoluene

Concen: 20.030 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012521.D

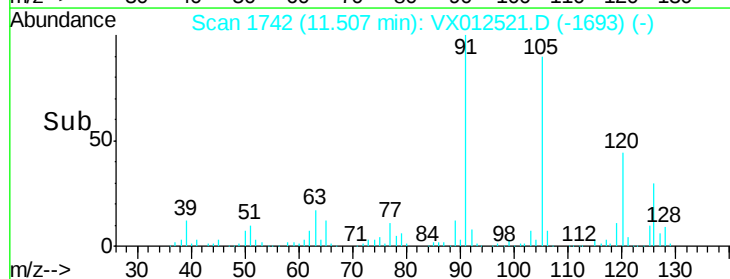
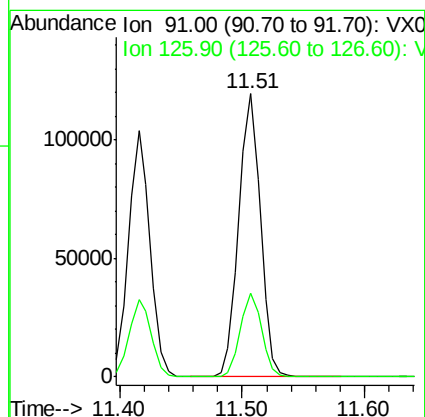
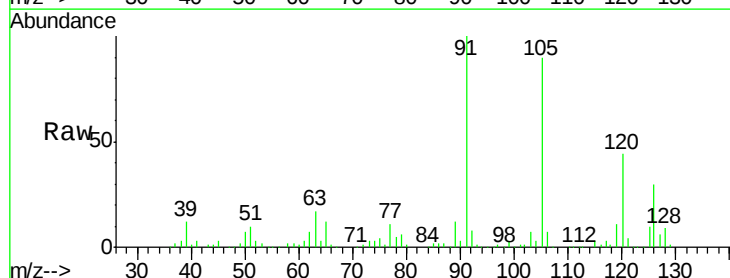
Acq: 19 Sep 2019 12:27

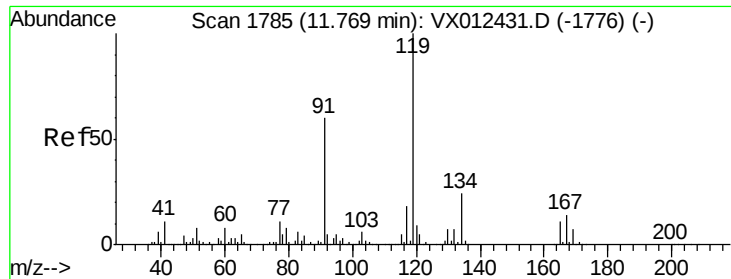
Tgt Ion: 91 Resp: 145955

Ion Ratio Lower Upper

91 100

126 29.1 14.4 43.0





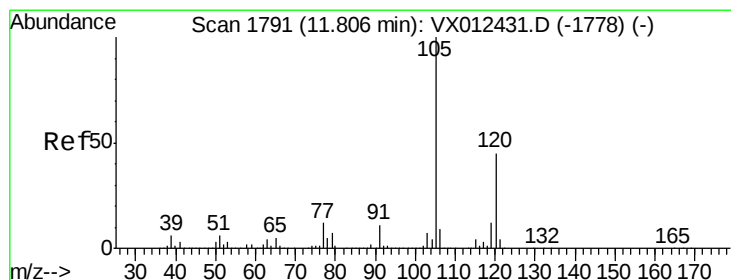
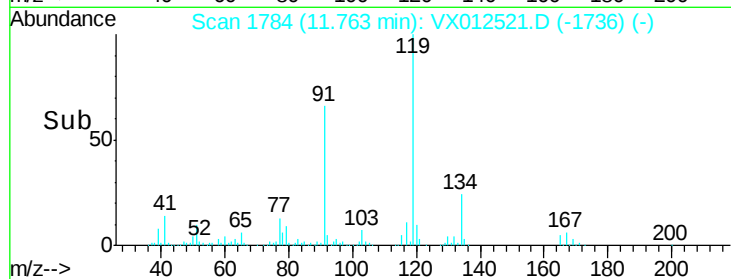
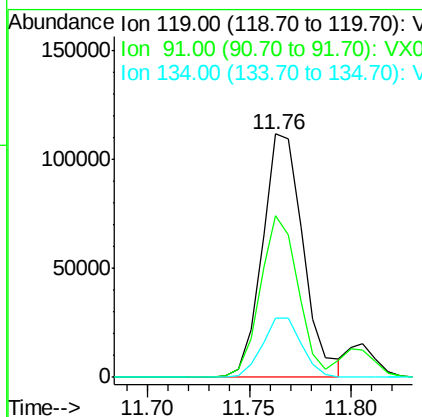
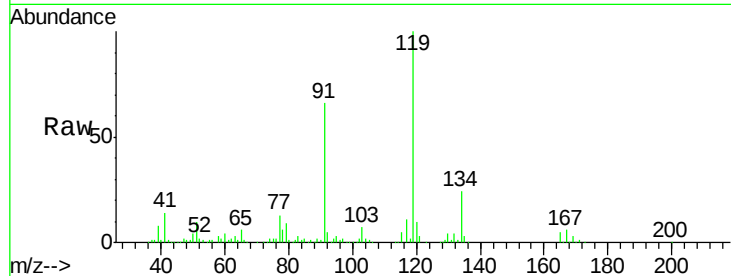
#83
tert-Butylbenzene
Concen: 19.499 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	156037		
91	61.4	30.0	90.0	
134	23.6	11.3	33.9	

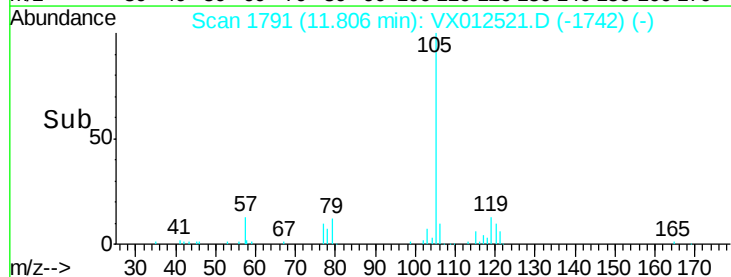
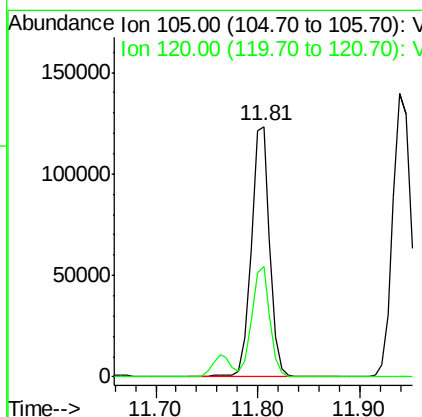
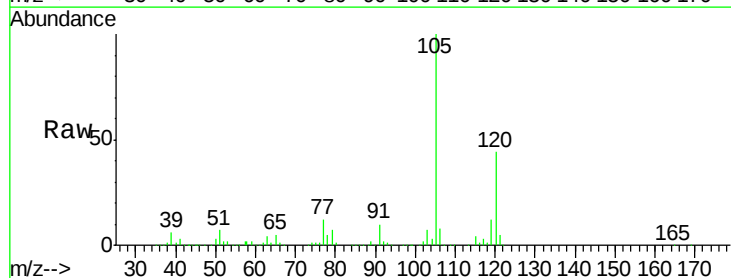
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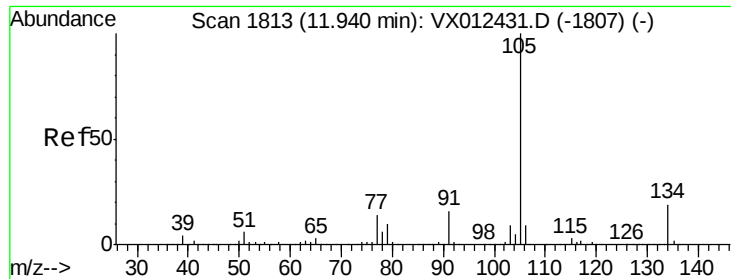
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#84
1,2,4-Trimethylbenzene
Concen: 20.403 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	156443		
120	42.9	22.2	66.6	





#85

sec-Butylbenzene

Concen: 19.911 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion:105 Resp: 175570

Ion Ratio Lower Upper

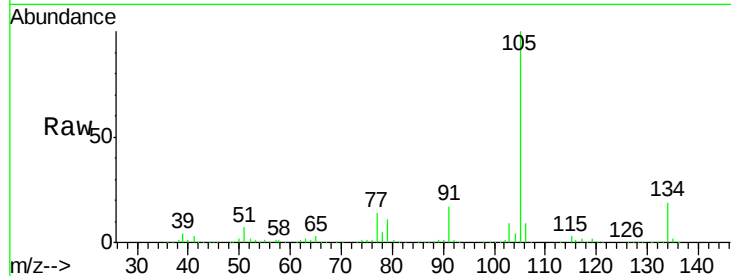
105 100

134 19.5 9.8 29.4

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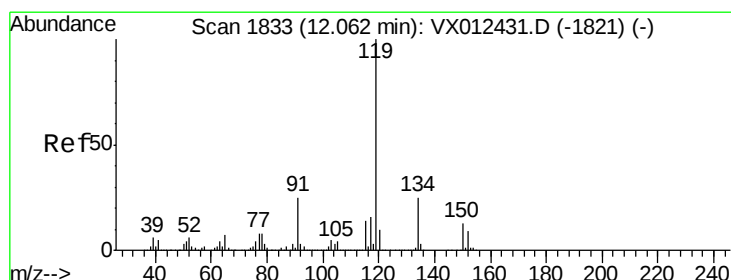
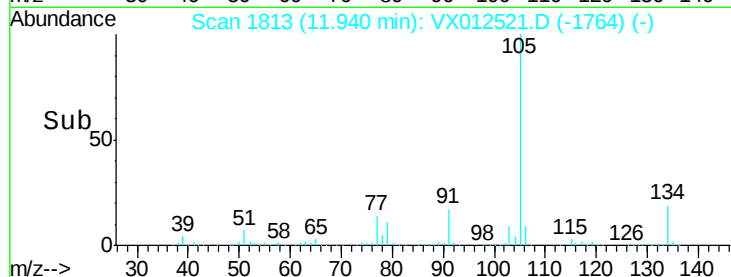
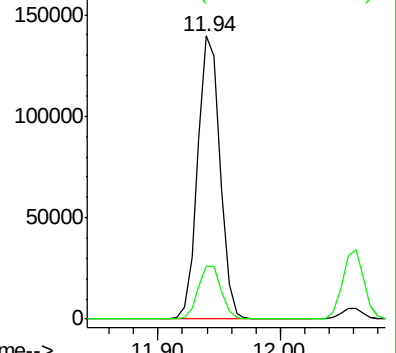
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.767 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

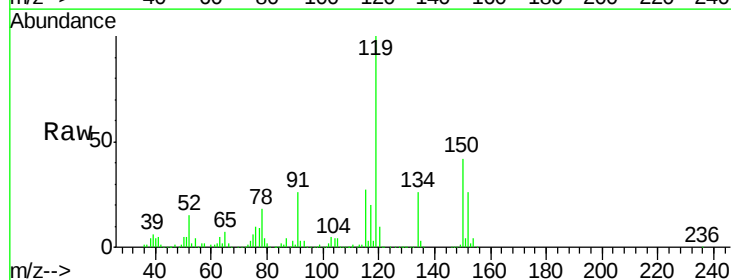
Tgt Ion:119 Resp: 160054

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

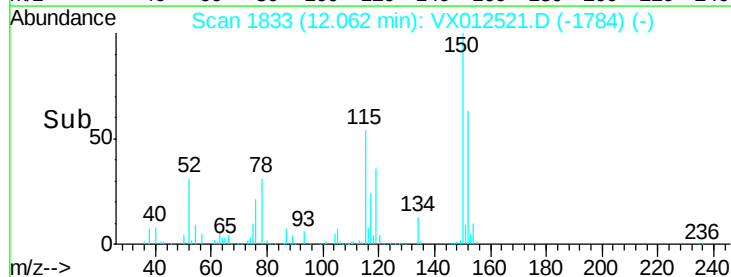
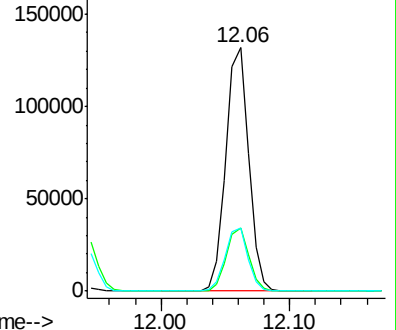
91 26.1 12.8 38.4

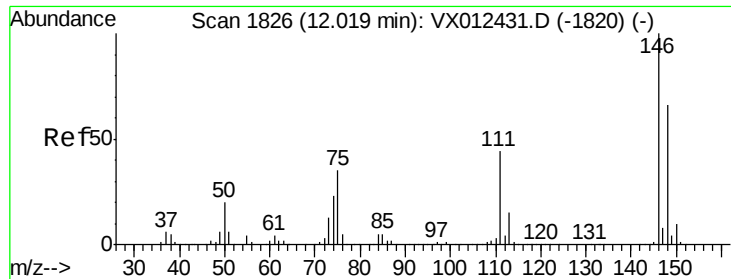


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





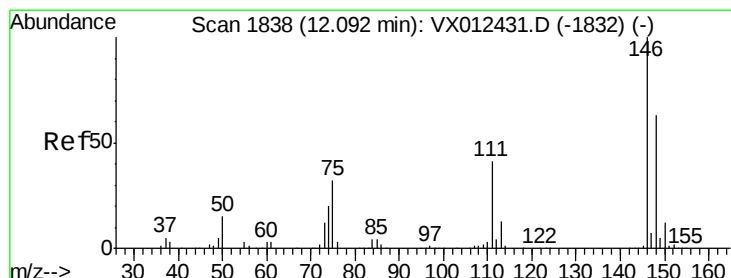
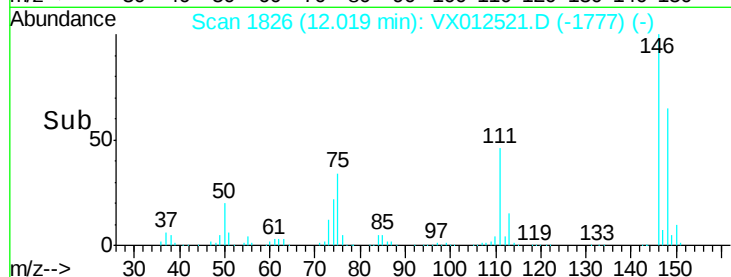
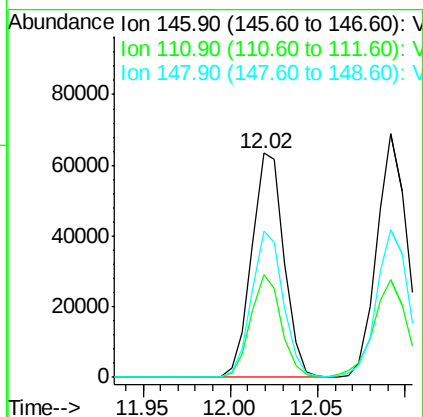
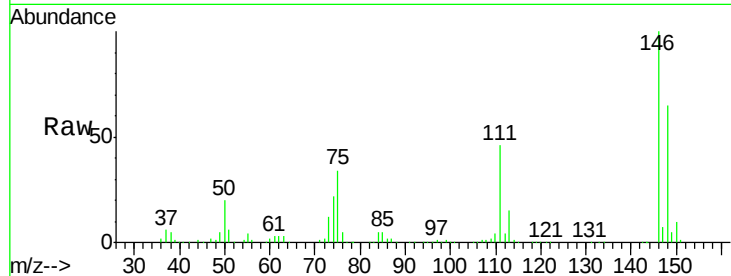
#87
 1,3-Dichlorobenzene
 Concen: 20.296 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	64.0
148	63.5	32.4	97.2

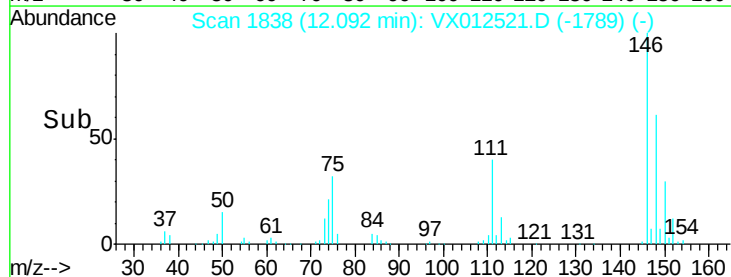
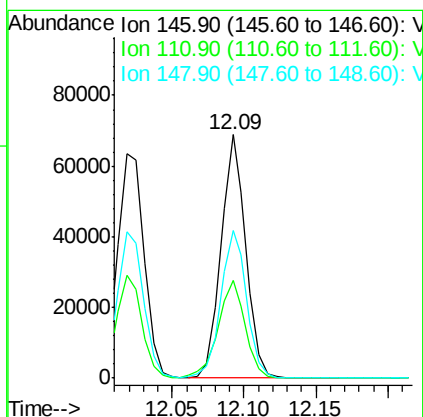
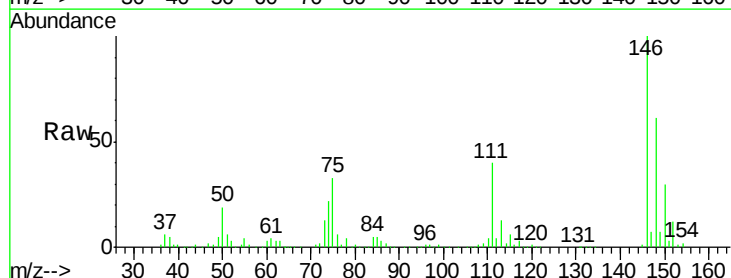
Manual Integrations
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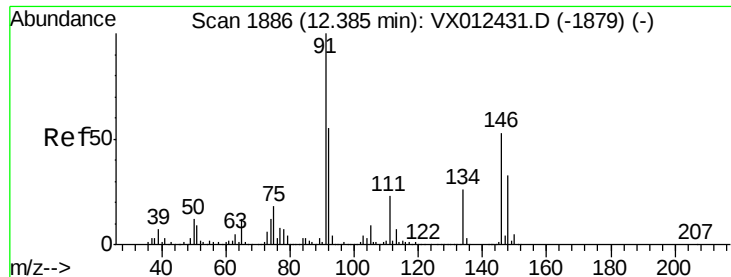
MMDadoda
 9/20/2019 10:45:03 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.109 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.1	63.3
148	63.6	32.1	96.5





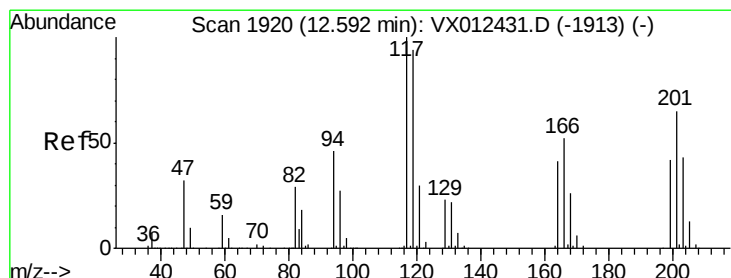
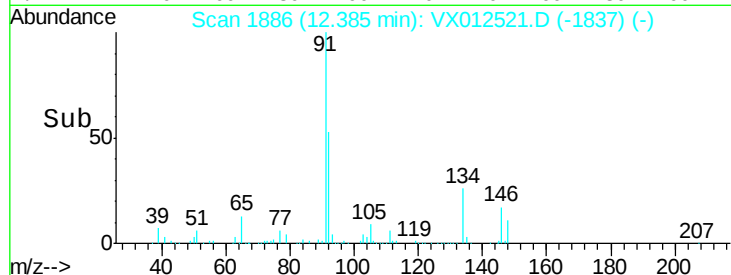
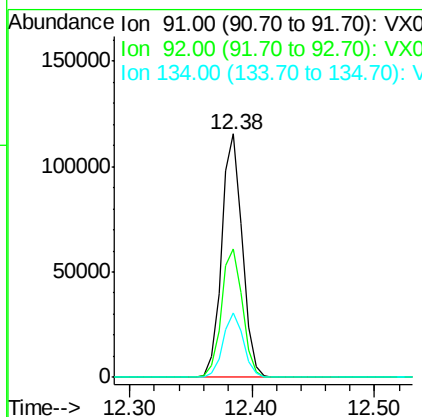
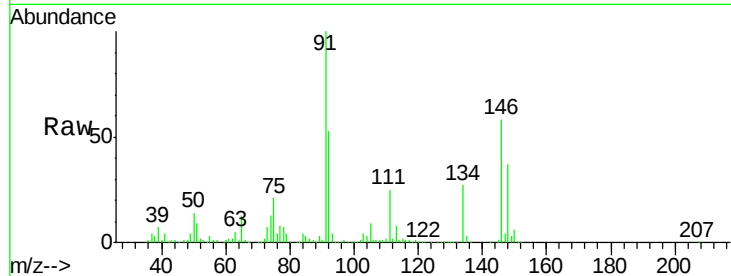
#89
n-Butylbenzene
Concen: 18.651 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.7	83.0
134	26.3	12.9	38.6

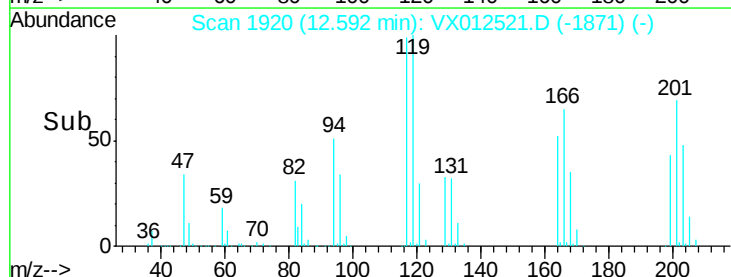
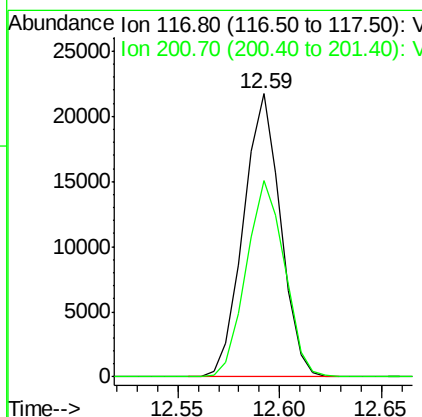
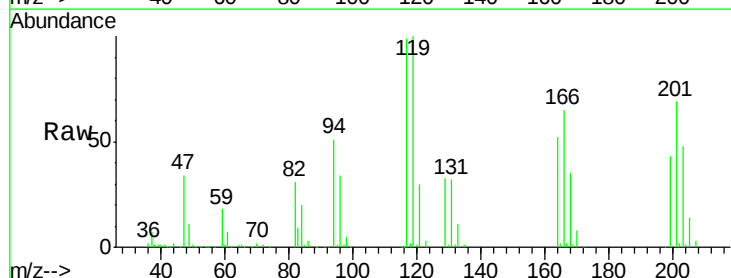
Manual Integrations
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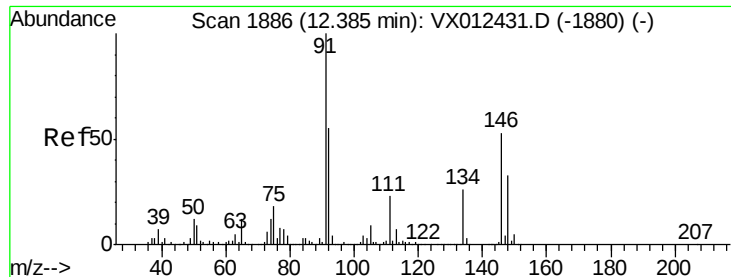
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#90
Hexachloroethane
Concen: 18.555 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012521.D
Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.8	33.3	99.8





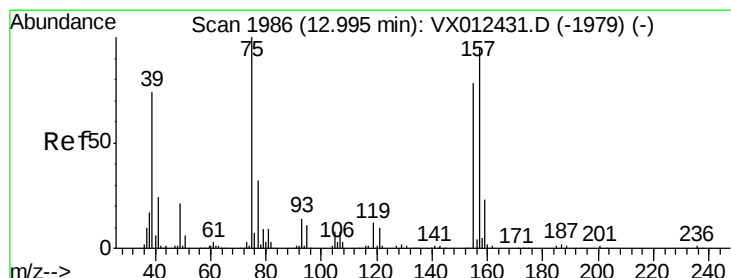
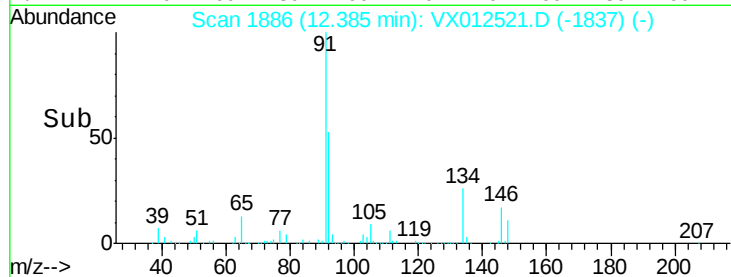
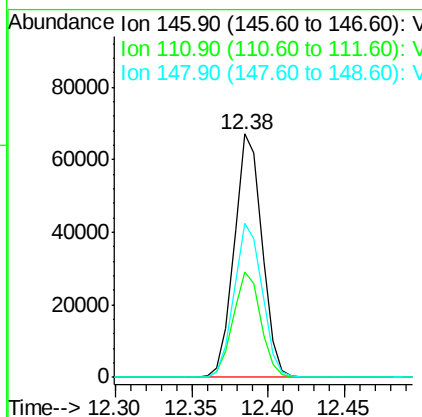
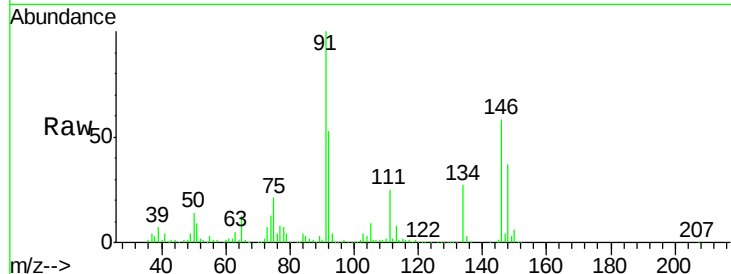
#91
 1,2-Dichlorobenzene
 Concen: 20.157 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.1	66.1
148	64.1	31.3	93.9

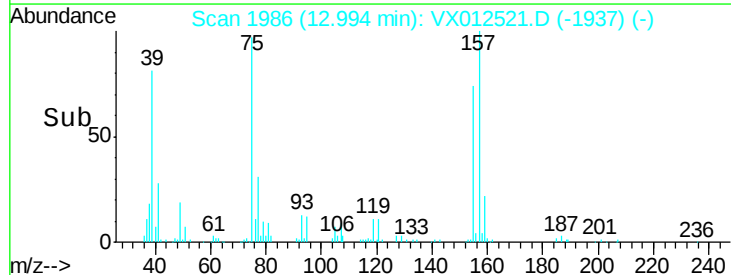
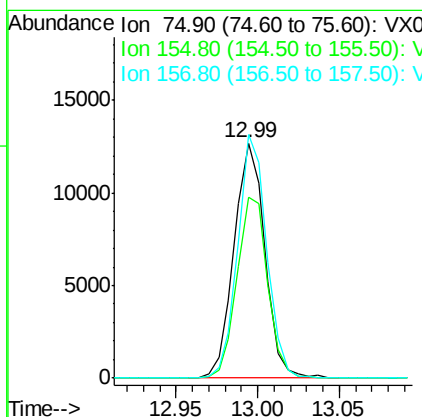
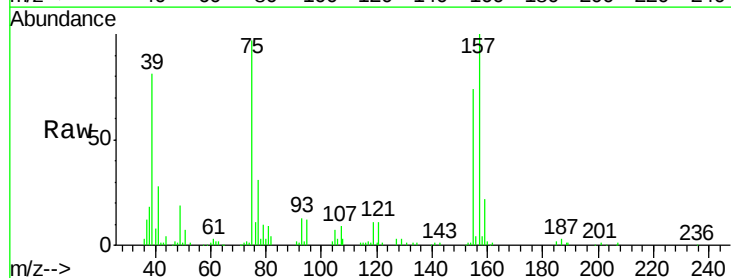
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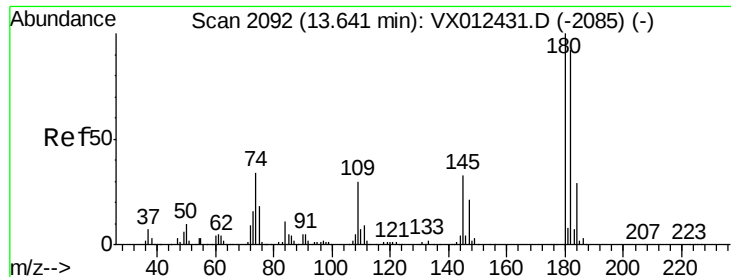
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.683 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	38.6	115.8
157	97.3	50.6	151.9





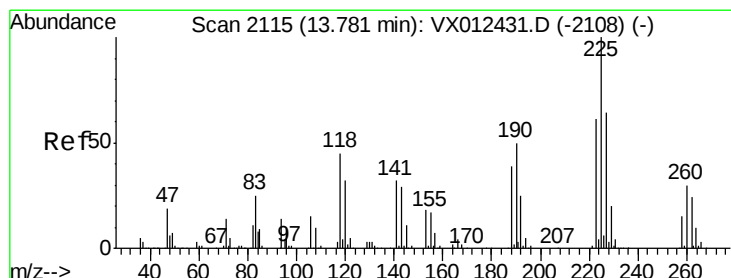
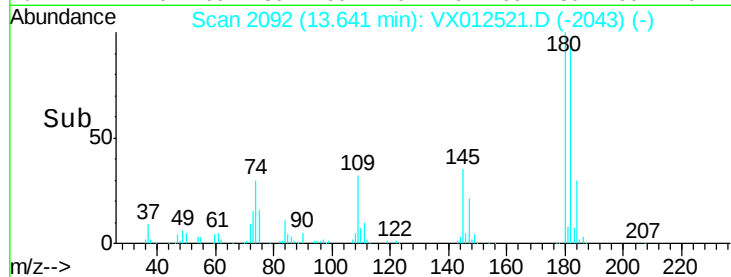
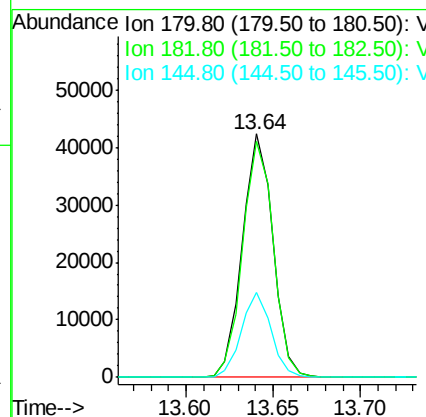
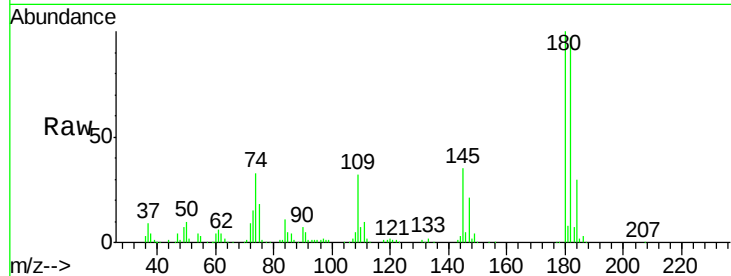
#93
 1,2,4-Trichlorobenzene
 Concen: 19.045 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51507		
182	97.3	47.0	141.0	
145	34.1	16.8	50.4	

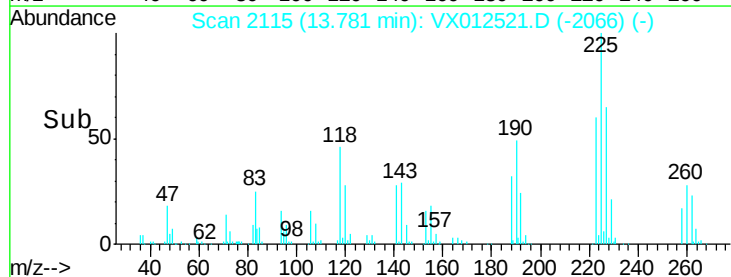
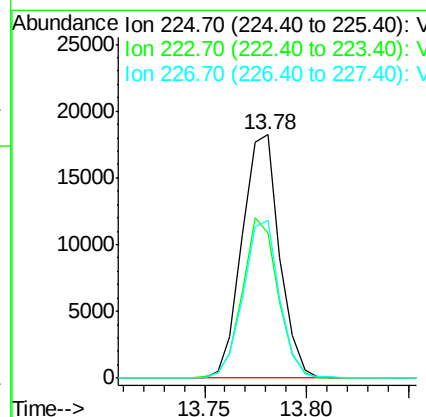
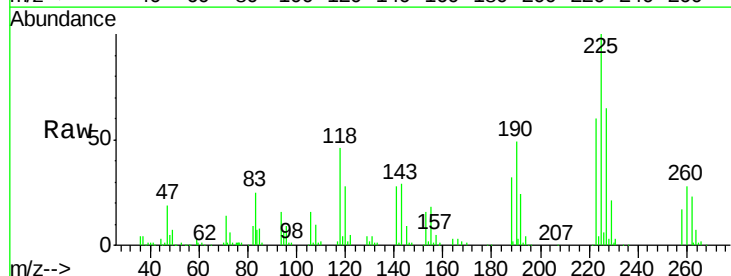
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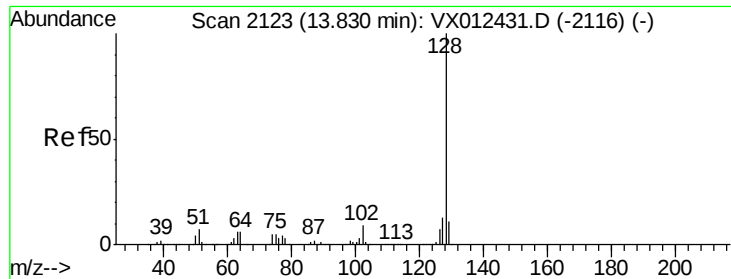
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#94
 Hexachlorobutadiene
 Concen: 18.164 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23152		
223	62.5	32.0	96.2	
227	63.0	31.9	95.5	





#95

Naphthalene

Concen: 19.920 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Instrument :

MSVOA_X

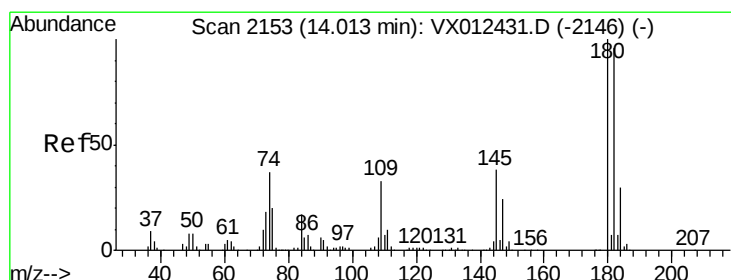
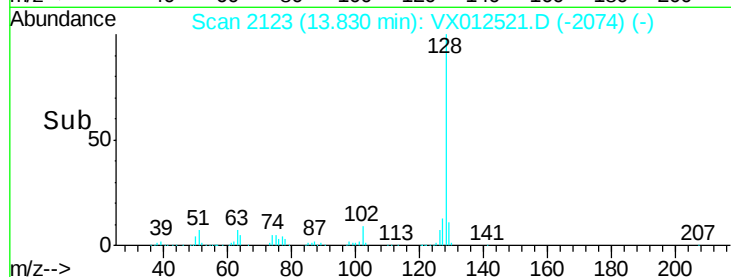
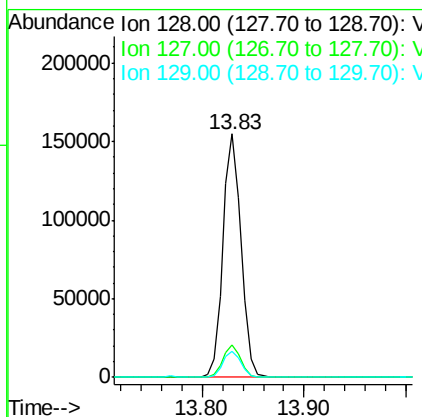
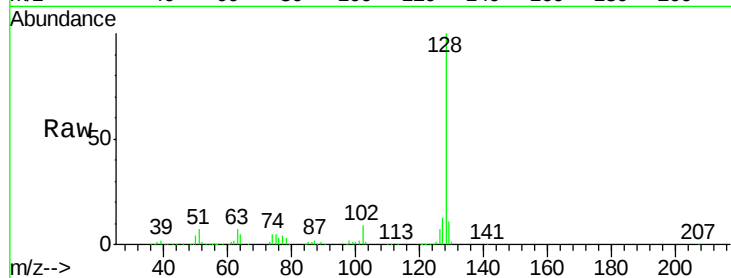
ClientSampleId :

VX0919MBS01

Tot Ion:	128	Resp:	191684
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	10.8	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 19.930 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX012521.D

Acq: 19 Sep 2019 12:27

Tgt Ion:	180	Resp:	54925
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.1	141.3
145	35.5	18.0	54.0

