

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091919\
 Data File : VX012531.D
 Acq On : 19 Sep 2019 16:20
 Operator : JC/SP
 Sample : VX0919MBSD01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:45:24 AM

Quant Time: Sep 20 05:45:25 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	194071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	332756	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	294742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	138710	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	142086	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	5.49	113	102304	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	8.71	98	381844	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.14	95	153355	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	24031	18.806	ug/l	99
3) Chloromethane	1.32	50	21116	19.791	ug/l	99
4) Vinyl Chloride	1.40	62	23408	20.299	ug/l	98
5) Bromomethane	1.63	94	9841	21.721	ug/l	99
6) Chloroethane	1.72	64	17254	19.120	ug/l	96
7) Trichlorofluoromethane	1.92	101	43942	20.787	ug/l	100
8) Diethyl Ether	2.18	74	19582	20.509	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	30468	19.920	ug/l	98
10) Methyl Iodide	2.50	142	21156	19.128	ug/l	97
11) Tert butyl alcohol	3.03	59	74791	102.571	ug/l	98
12) 1,1-Dichloroethene	2.36	96	25089	20.562	ug/l	87
13) Acrolein	2.28	56	18122	73.009	ug/l	98
14) Allyl chloride	2.72	41	56143	19.764	ug/l	98
15) Acrylonitrile	3.13	53	123099	102.132	ug/l	100
16) Acetone	2.43	43	119410	88.825	ug/l	98
17) Carbon Disulfide	2.56	76	29415	18.237	ug/l	97
18) Methyl Acetate	2.76	43	62508	21.567	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	135554	20.376	ug/l	100
20) Methylene Chloride	2.85	84	33629	19.978	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	26061	20.569	ug/l	94
22) Diisopropyl ether	3.84	45	138571	20.834	ug/l	98
23) Vinyl Acetate	3.80	43	563518	102.995	ug/l	99
24) 1,1-Dichloroethane	3.69	63	66383	20.860	ug/l	98
25) 2-Butanone	4.66	43	184715	95.738	ug/l	100
26) 2,2-Dichloropropane	4.58	77	54834	17.520	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	39130	20.674	ug/l	96
28) Bromochloromethane	5.01	49	34599	21.089	ug/l	96
29) Tetrahydrofuran	5.11	42	111526	104.635	ug/l	100
30) Chloroform	5.20	83	72942	19.958	ug/l	97
31) Cyclohexane	5.58	56	39298	20.457	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	61096	20.001	ug/l	99
36) 1,1-Dichloropropene	5.79	75	38992	19.281	ug/l	95
37) Ethyl Acetate	4.82	43	67601	21.777	ug/l	99
38) Carbon Tetrachloride	5.78	117	47134	18.739	ug/l	92

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	39093	19.885	ug/l	99
40) Benzene	6.14	78	131145	20.393	ug/l	100
41) Methacrylonitrile	5.03	41	38290	19.156	ug/l	97
42) 1,2-Dichloroethane	6.19	62	58942	19.761	ug/l	99
43) Isopropyl Acetate	6.43	43	110800	19.887	ug/l	99
44) Trichloroethene	7.21	130	34733	20.532	ug/l	97
45) 1,2-Dichloropropane	7.51	63	39815	20.152	ug/l	98
46) Dibromomethane	7.65	93	23946	18.729	ug/l	95
47) Bromodichloromethane	7.89	83	54008	18.971	ug/l	96
48) Methyl methacrylate	7.76	41	51165	19.481	ug/l	97
49) 1,4-Dioxane	7.73	88	24750	387.191	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	367791	100.659	ug/l	99
52) Toluene	8.78	92	84008	20.273	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	55214	18.658	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	59888	19.548	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	42176	19.755	ug/l	98
56) Ethyl methacrylate	9.17	69	66355	19.879	ug/l	100
57) 1,3-Dichloropropane	9.37	76	68887	20.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	183932	106.452	ug/l	99
59) 2-Hexanone	9.48	43	281028	98.586	ug/l	99
60) Dibromochloromethane	9.58	129	42441	19.516	ug/l	99
61) 1,2-Dibromoethane	9.67	107	39722	20.372	ug/l	99
64) Tetrachloroethene	9.33	164	32184	23.829	ug/l	89
65) Chlorobenzene	10.14	112	98259	20.198	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	40078	19.851	ug/l	99
67) Ethyl Benzene	10.25	91	172381	20.625	ug/l	100
68) m/p-Xylenes	10.36	106	123354	40.564	ug/l	98
69) o-Xylene	10.70	106	63685	20.364	ug/l	98
70) Styrene	10.71	104	112551	20.341	ug/l	99
71) Bromoform	10.85	173	27795	17.941	ug/l	# 99
73) Isopropylbenzene	11.01	105	182905	21.016	ug/l	100
74) N-amyl acetate	10.89	43	96196	20.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	68090	19.944	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	66383m	20.834	ug/l	
77) Bromobenzene	11.25	156	44239	20.842	ug/l	99
78) n-propylbenzene	11.35	91	201719	20.795	ug/l	99
79) 2-Chlorotoluene	11.42	91	127110	20.143	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	154106	20.762	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19262	18.665	ug/l	94
82) 4-Chlorotoluene	11.51	91	149237	20.606	ug/l	98
83) tert-Butylbenzene	11.76	119	156481	19.674	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	156242	20.501	ug/l	100
85) sec-Butylbenzene	11.94	105	176126	20.096	ug/l	99
86) p-Isopropyltoluene	12.06	119	162607	20.205	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	80549	20.174	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	82277	20.061	ug/l	99
89) n-Butylbenzene	12.39	91	135152	18.822	ug/l	99
90) Hexachloroethane	12.59	117	27093	18.360	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	86463	20.719	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	17578	19.860	ug/l	95

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Instrument :
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ClientSampleId :
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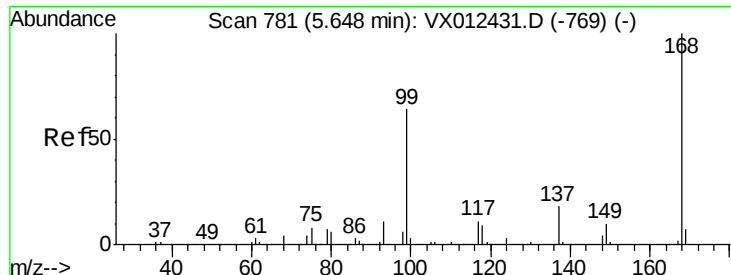
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	53205	19.794	ug/l	100
94) Hexachlorobutadiene	13.78	225	21712	17.138	ug/l	97
95) Naphthalene	13.83	128	202768	21.200	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	56342	20.569	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion:168 Resp: 194071

Ion Ratio Lower Upper

168 100

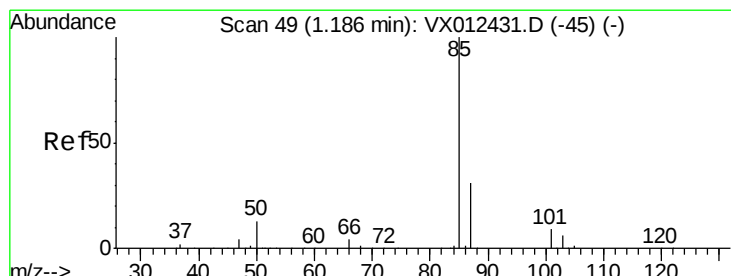
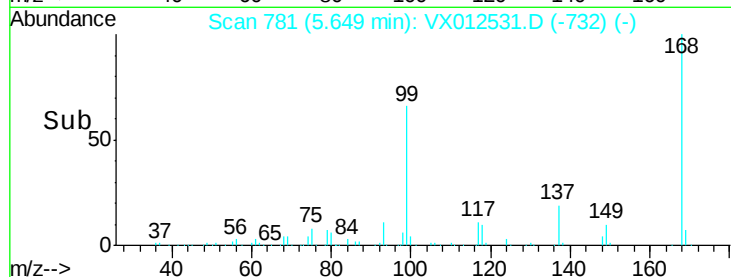
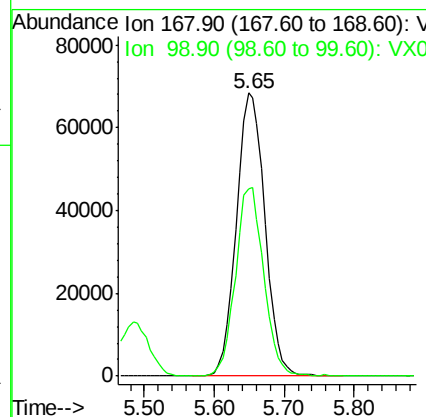
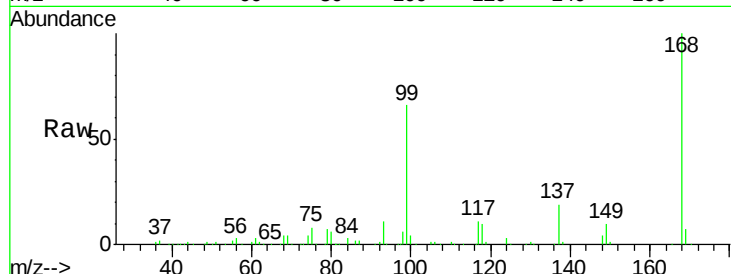
99 66.1 51.4 77.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 18.806 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012531.D

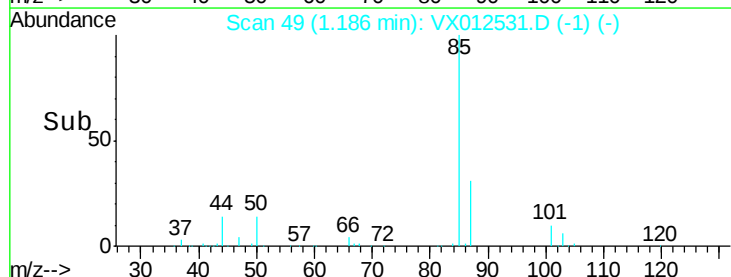
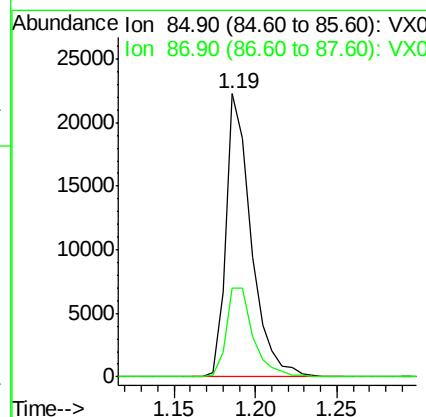
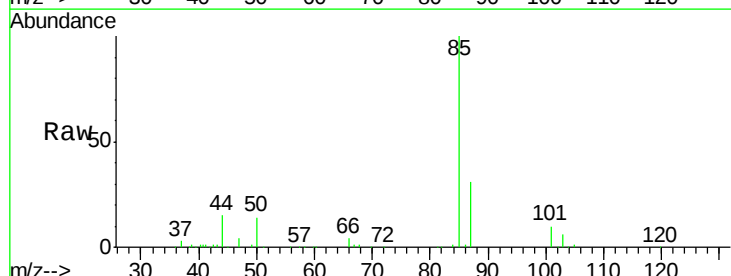
Acq: 19 Sep 2019 16:20

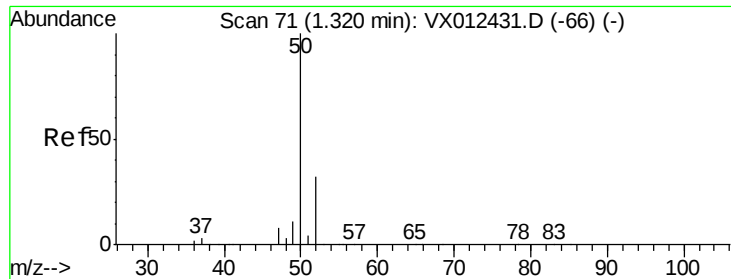
Tgt Ion: 85 Resp: 24031

Ion Ratio Lower Upper

85 100

87 31.5 15.6 46.8





#3

Chloromethane

Concen: 19.791 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 50 Resp: 21116

Ion Ratio Lower Upper

50 100

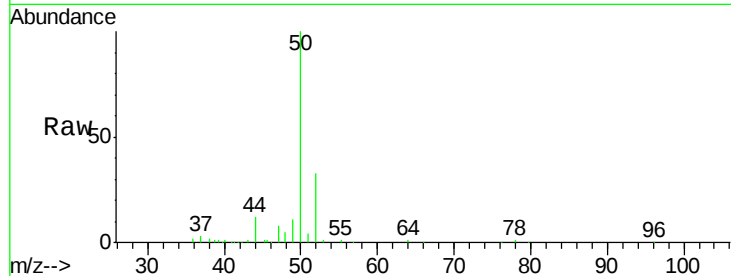
52 32.9 25.7 38.5

Manual Integrations

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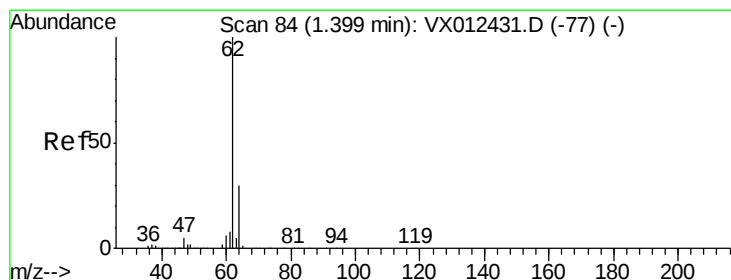
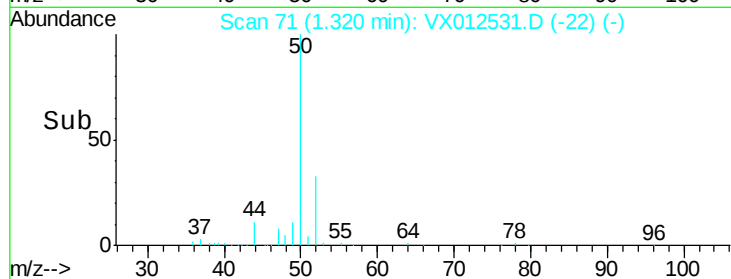
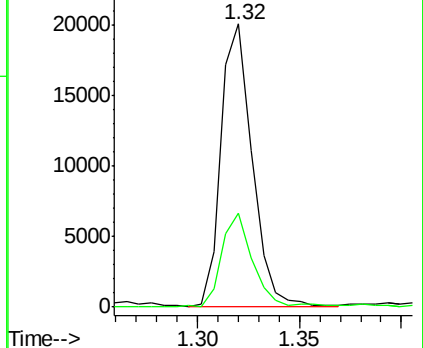
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.299 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012531.D

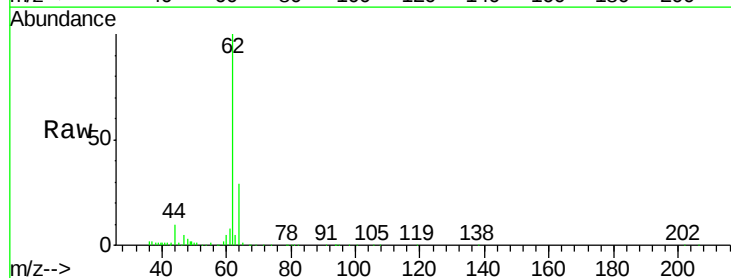
Acq: 19 Sep 2019 16:20

Tgt Ion: 62 Resp: 23408

Ion Ratio Lower Upper

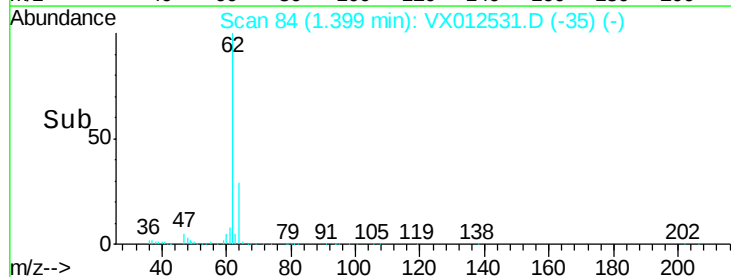
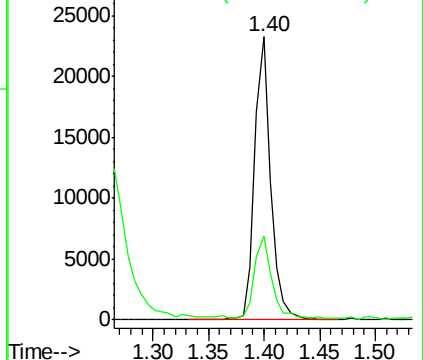
62 100

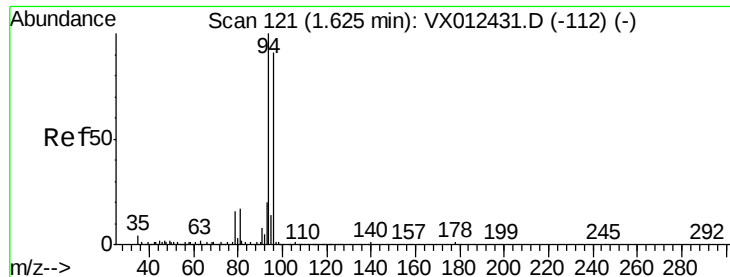
64 28.9 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.721 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 94 Resp: 9841

Ion Ratio Lower Upper

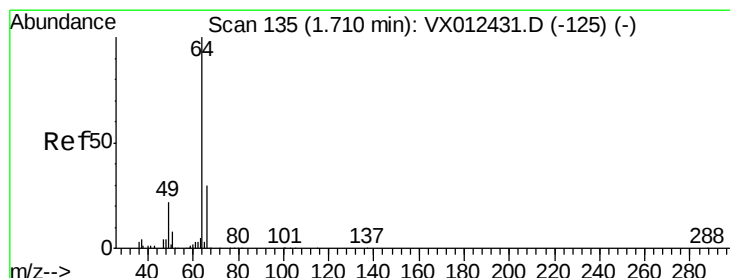
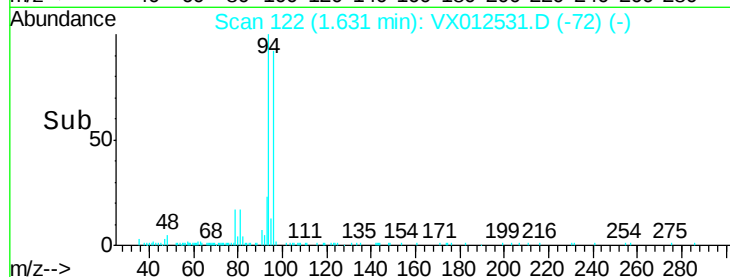
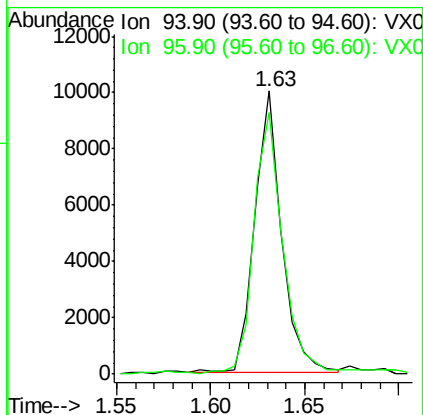
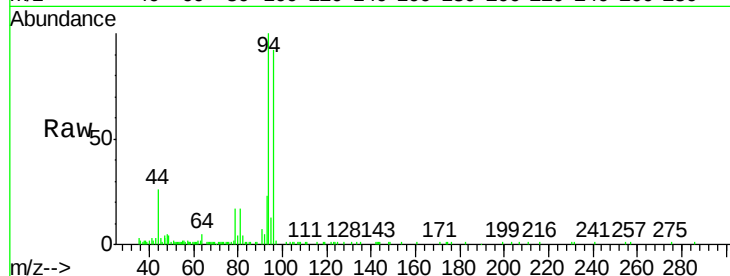
94 100

96 92.4 72.8 109.2

Manual Integrations
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#6

Chloroethane

Concen: 19.120 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012531.D

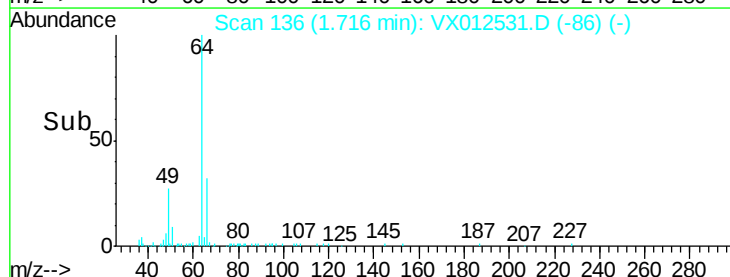
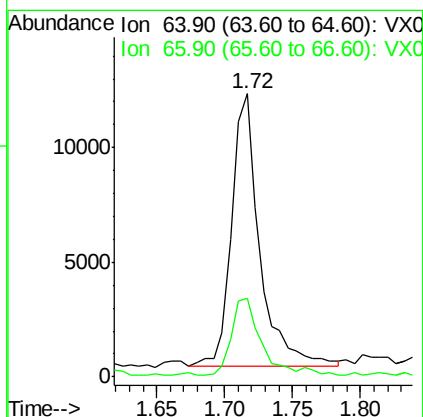
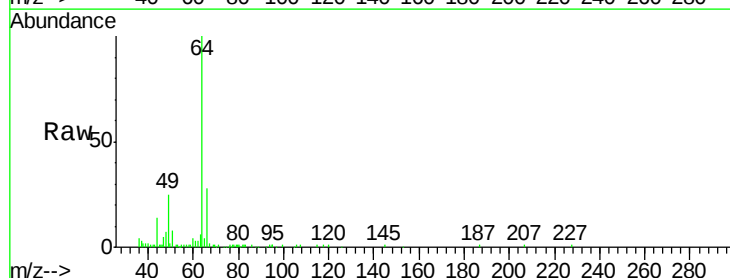
Acq: 19 Sep 2019 16:20

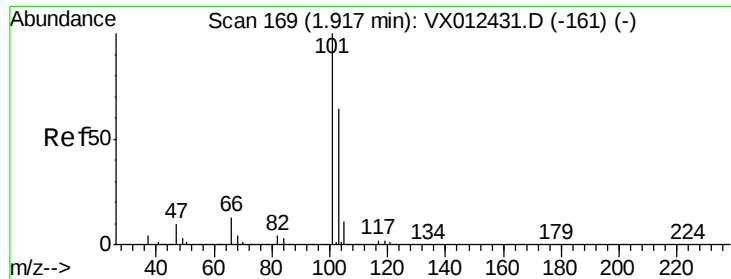
Tgt Ion: 64 Resp: 17254

Ion Ratio Lower Upper

64 100

66 28.0 24.0 36.0





#7

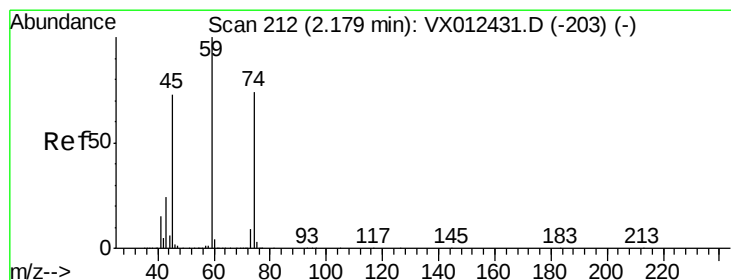
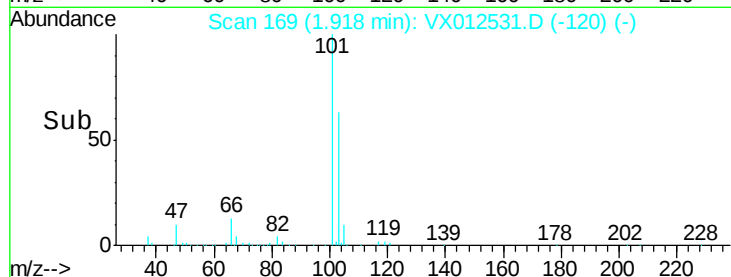
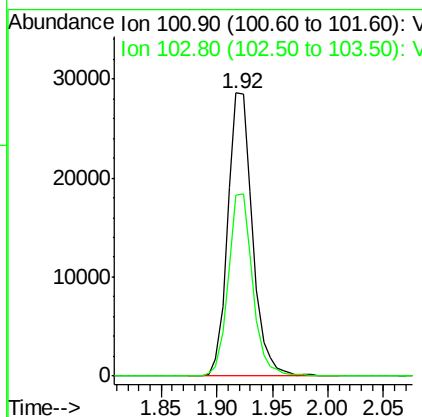
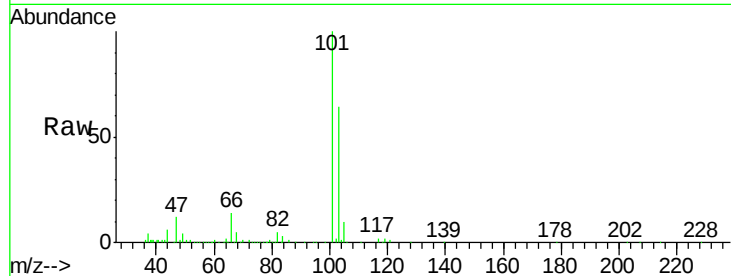
Trichlorofluoromethane
Concen: 20.787 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.0	76.4

Manual Integrations
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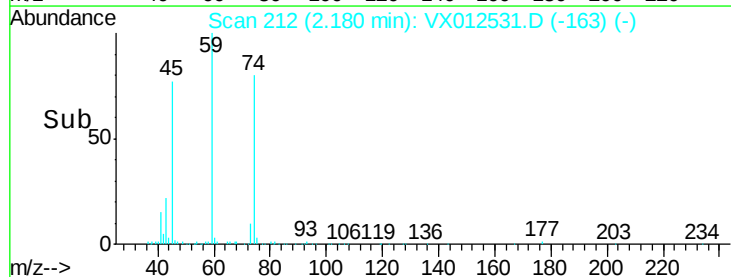
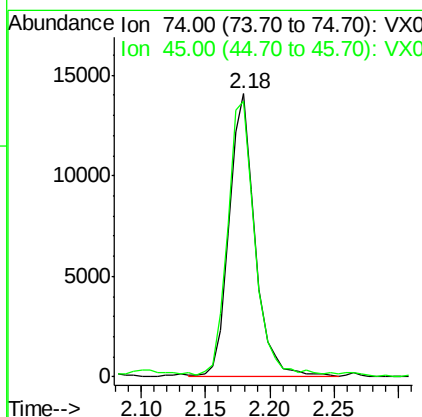
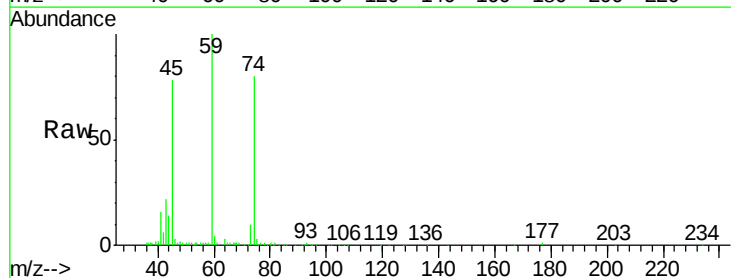
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9/20/2019 10:45:24 AM

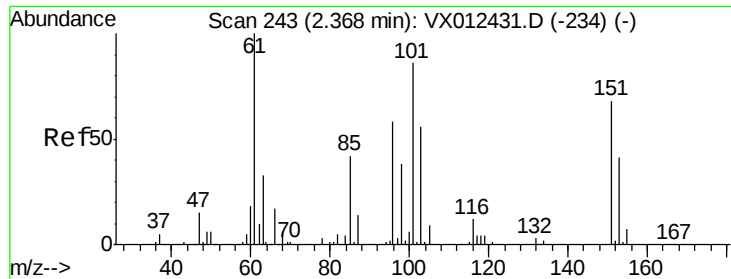


#8

Diethyl Ether
Concen: 20.509 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.920 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

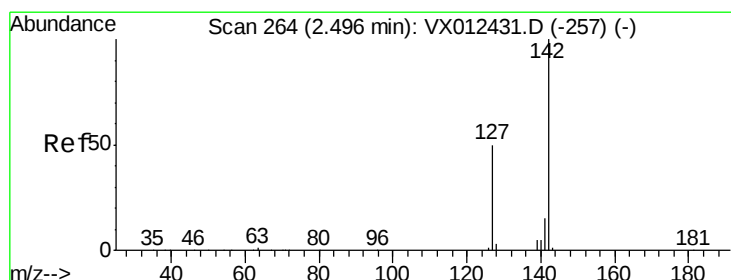
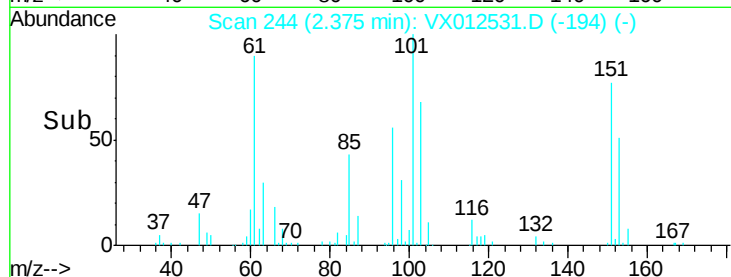
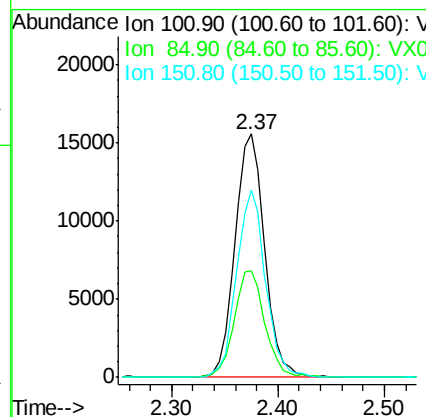
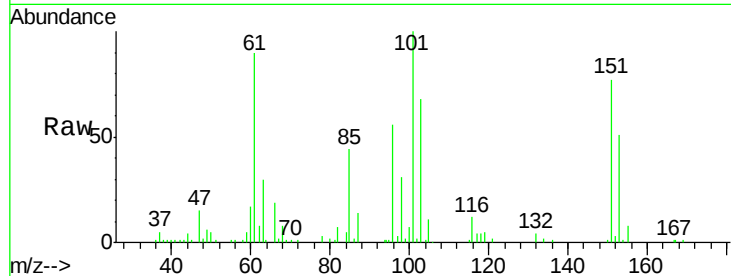
ClientSampleId :

VX0919MBSD01

Tot Ion:	101	Resp:	30468
Ion Ratio	Lower	Upper	
101	100		
85	45.2	37.3	55.9
151	74.9	61.0	91.4

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#10

Methyl Iodide

Concen: 19.128 ug/l

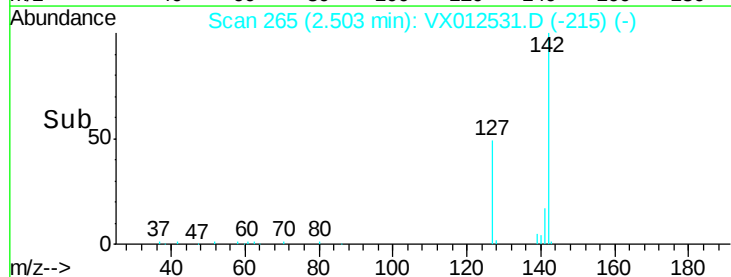
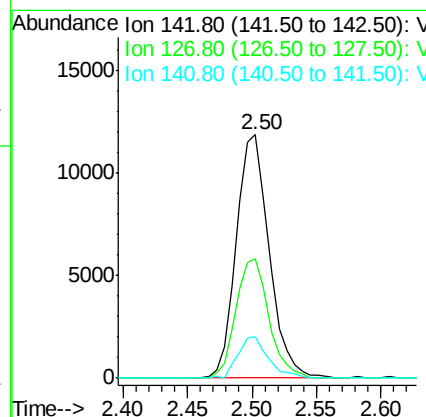
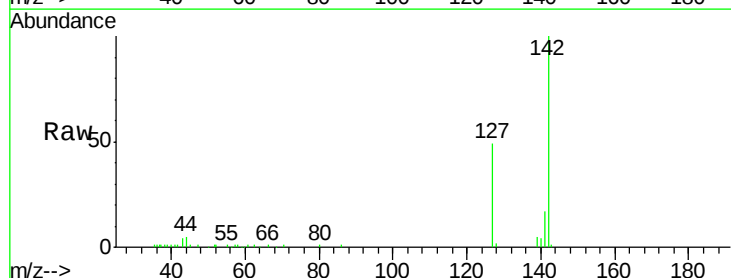
RT: 2.50 min Scan# 265

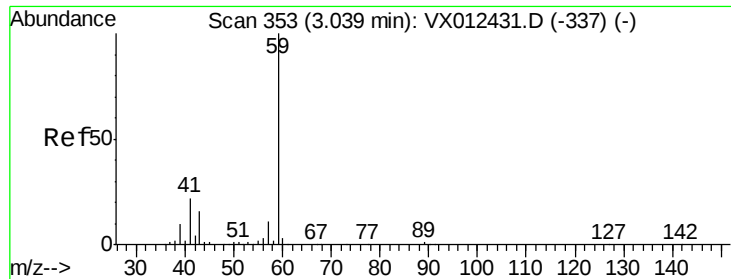
Delta R.T. 0.01 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Tgt Ion:	142	Resp:	21156
Ion Ratio	Lower	Upper	
142	100		
127	48.9	40.8	61.2
141	15.6	12.1	18.1





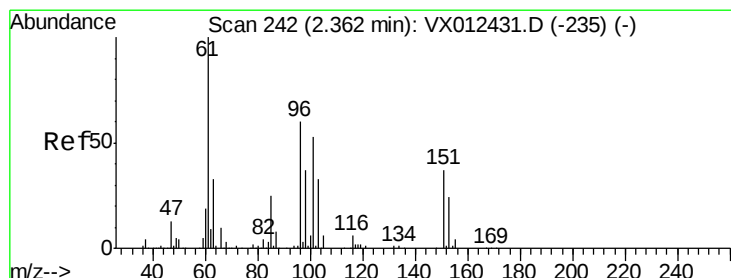
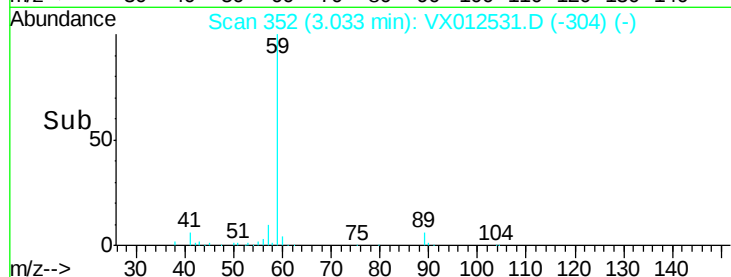
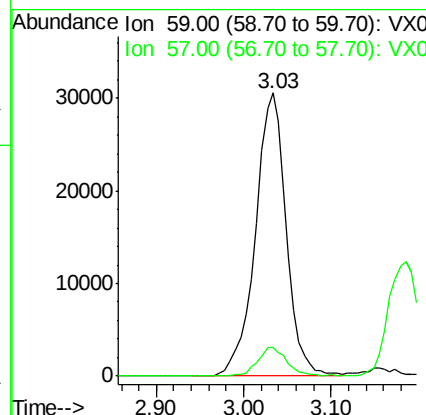
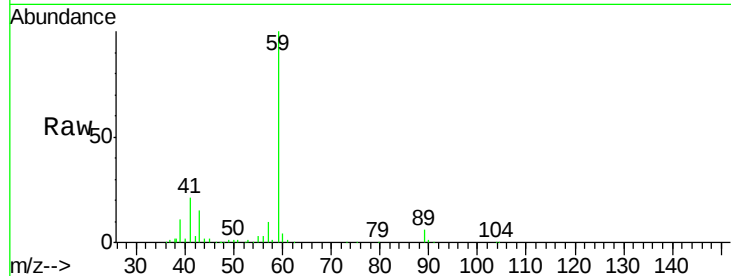
#11
Tert butyl alcohol
Concen: 102.571 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

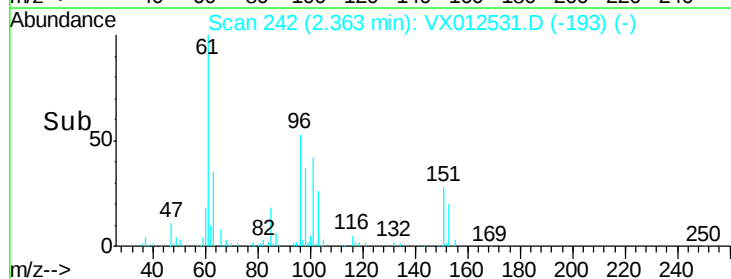
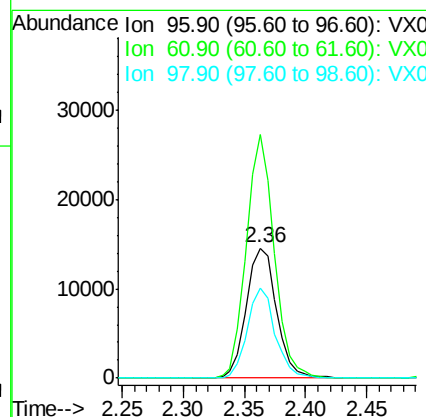
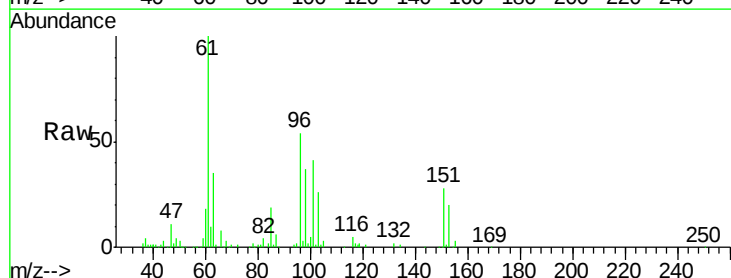
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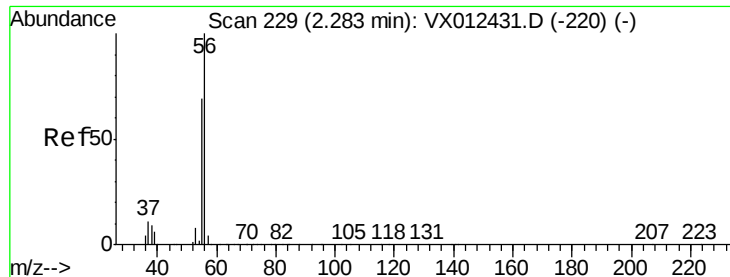
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.562 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.8	133.8	200.6
98	69.2	49.9	74.9





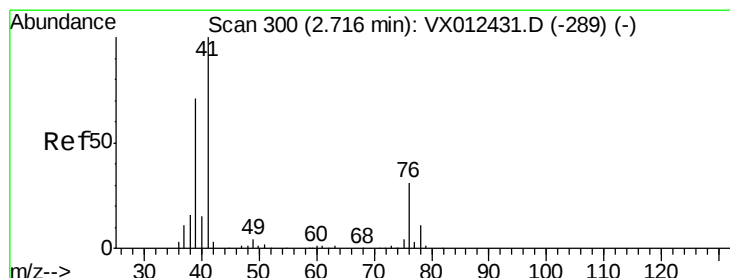
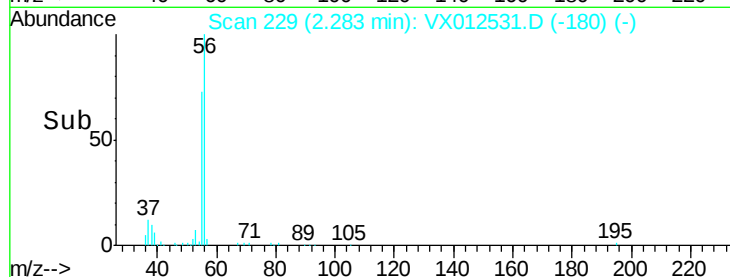
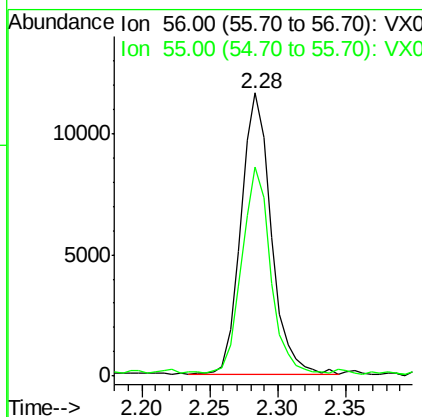
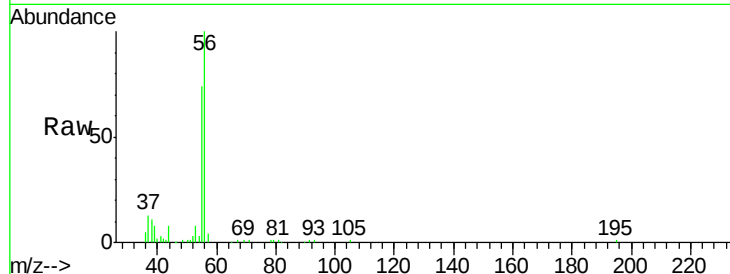
#13
Acrolein
Concen: 73.009 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.4	55.8	83.8

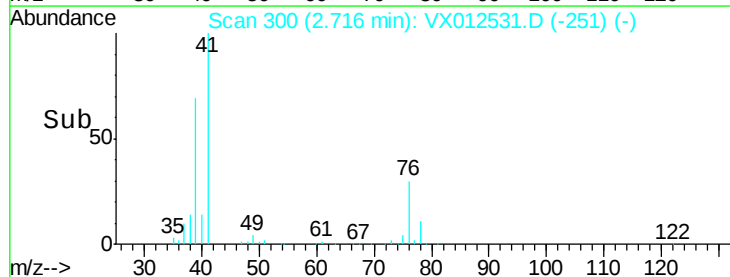
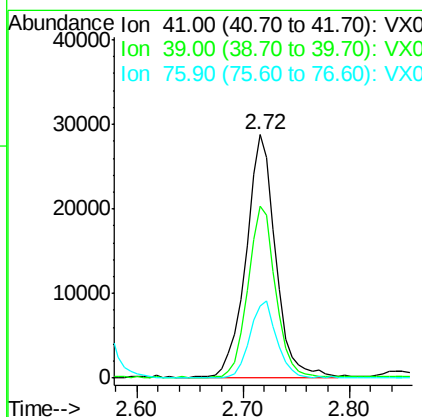
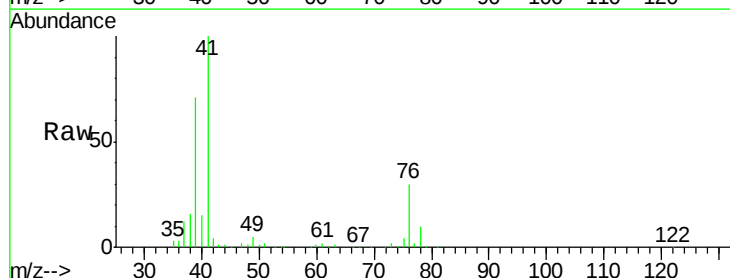
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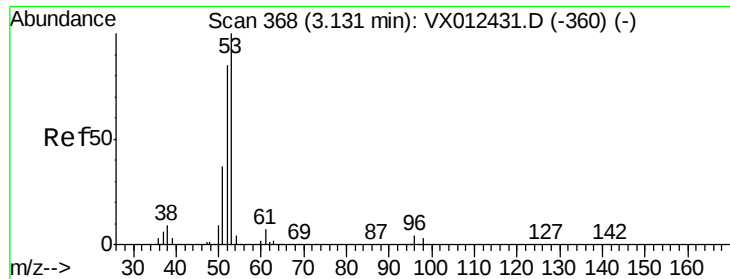
MMDadoda
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#14
Allyl chloride
Concen: 19.764 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.0	51.3	76.9
76	29.2	22.6	33.8





#15

Acrylonitrile

Concen: 102.132 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

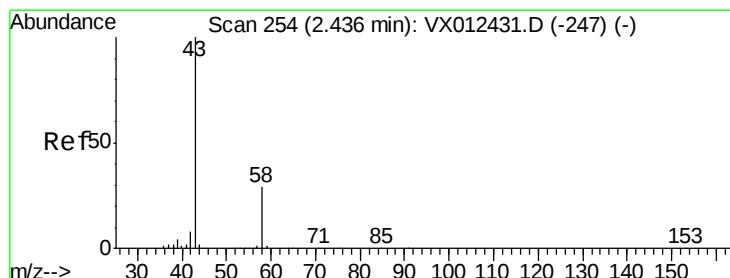
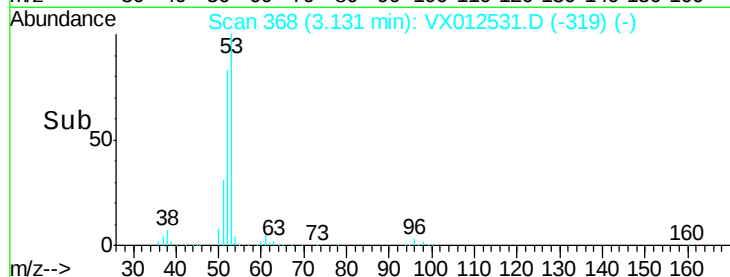
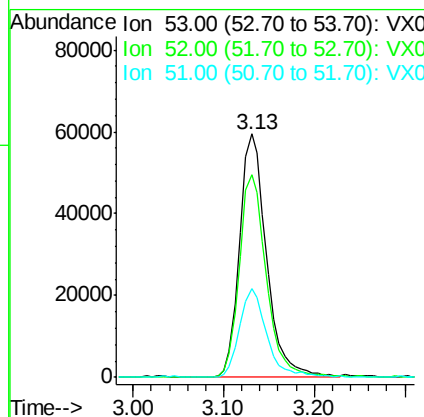
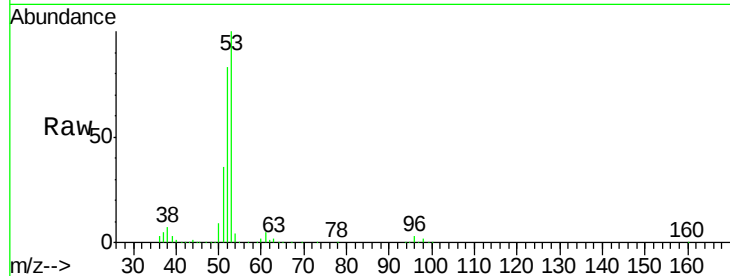
ClientSampleId :

VX0919MBSD01

Tot Ion:	53	Resp:	123099
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.0	100.4
51	37.3	29.6	44.4

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#16

Acetone

Concen: 88.825 ug/l

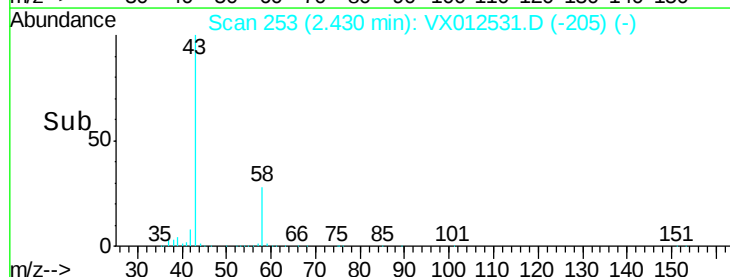
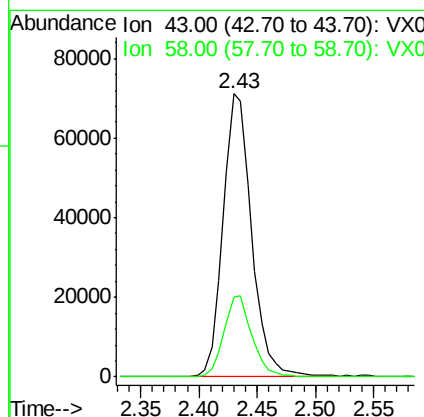
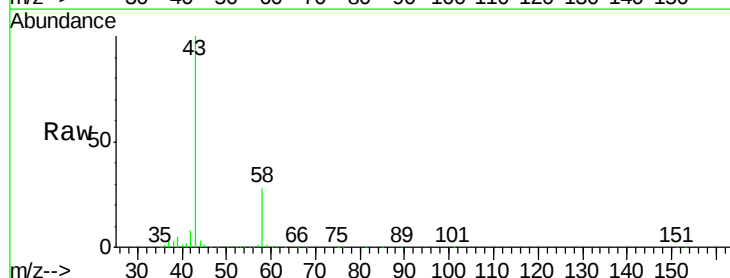
RT: 2.43 min Scan# 253

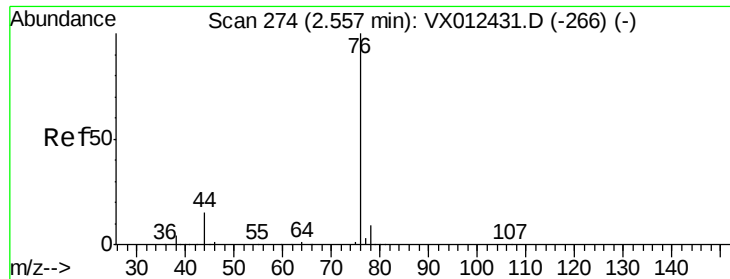
Delta R.T. -0.01 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Tgt Ion:	43	Resp:	119410
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.3	34.9





#17

Carbon Disulfide

Concen: 18.237 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 76 Resp: 29415

Ion Ratio Lower Upper

76 100

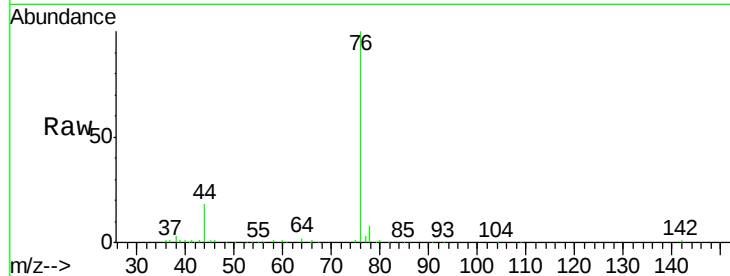
78 8.1 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

20000

15000

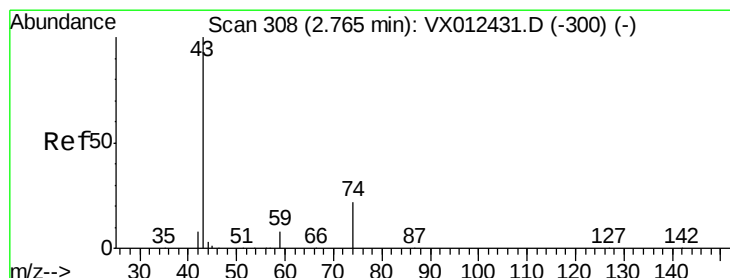
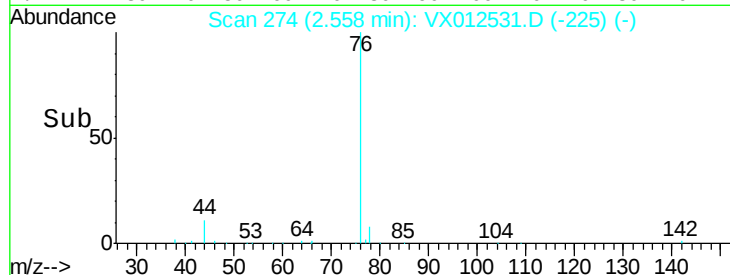
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 21.567 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012531.D

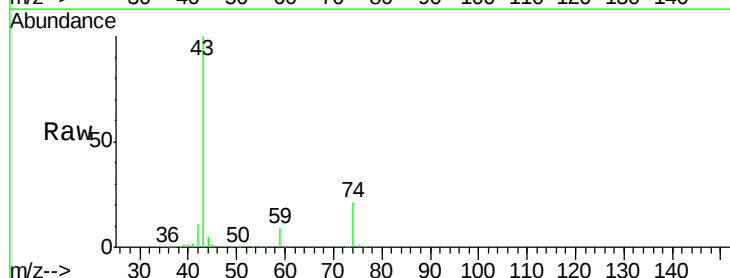
Acq: 19 Sep 2019 16:20

Tgt Ion: 43 Resp: 62508

Ion Ratio Lower Upper

43 100

74 21.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

40000

30000

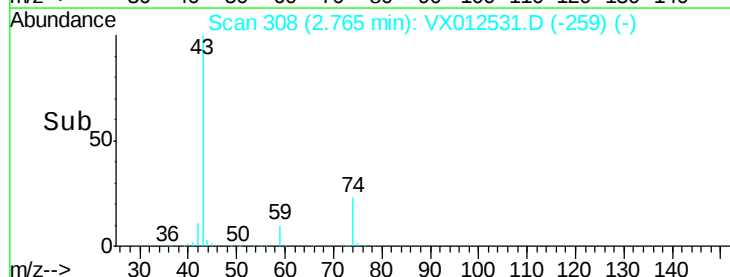
20000

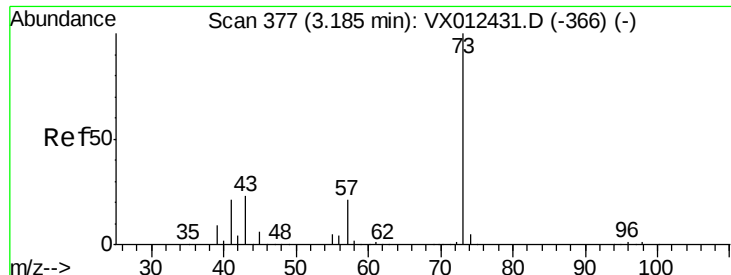
10000

0

Time-->

2.65 2.70 2.75 2.80 2.85





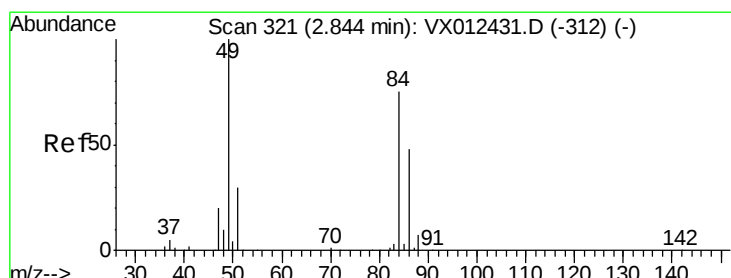
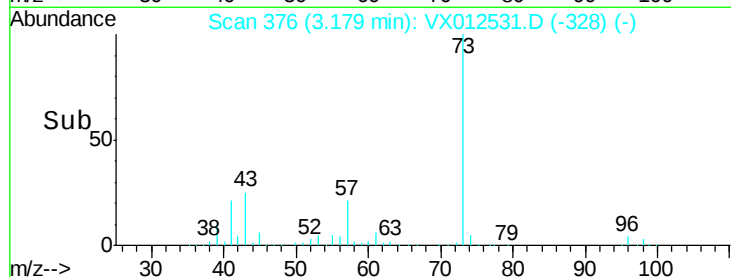
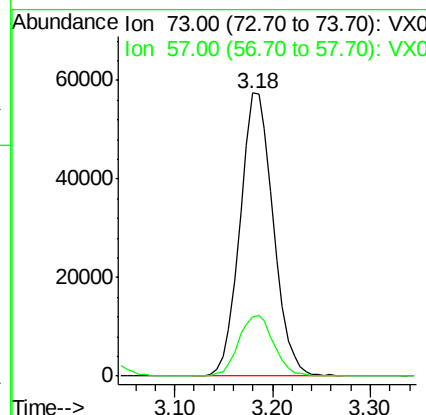
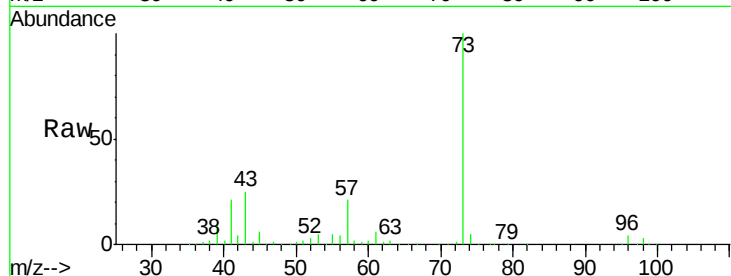
#19
Methvl tert-butvl Ether
Concen: 20.376 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion: 73 Resp: 135554
Ion Ratio Lower Upper
73 100
57 20.8 16.8 25.2

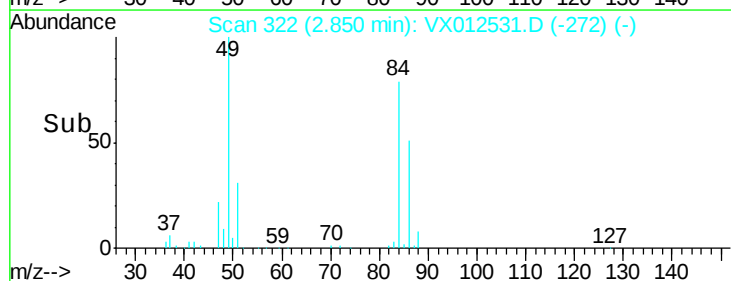
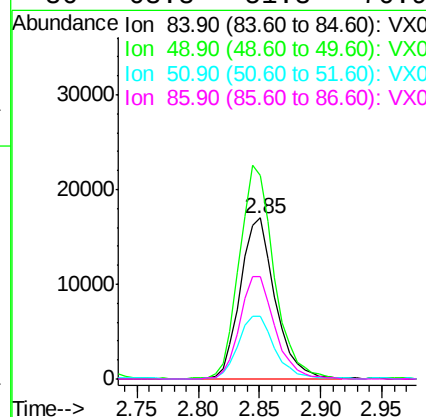
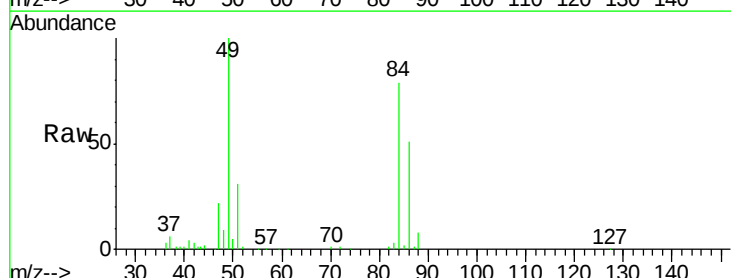
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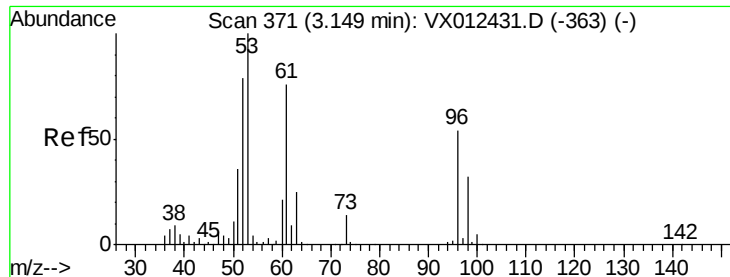
MMDadoda
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#20
Methylene Chloride
Concen: 19.978 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion: 84 Resp: 33629
Ion Ratio Lower Upper
84 100
49 125.7 106.8 160.2
51 39.2 32.3 48.5
86 63.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.569 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 96 Resp: 26061

Ion Ratio Lower Upper

96 100

61 144.0 112.0 168.0

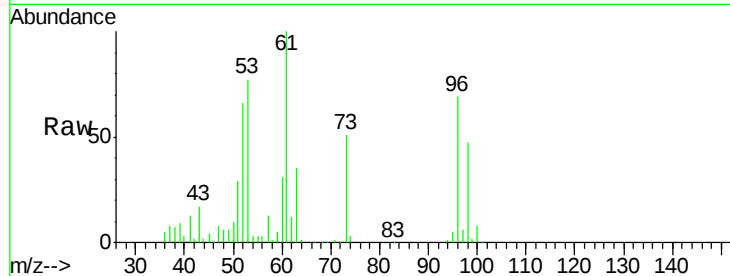
98 68.1 47.8 71.8

Manual Integrations

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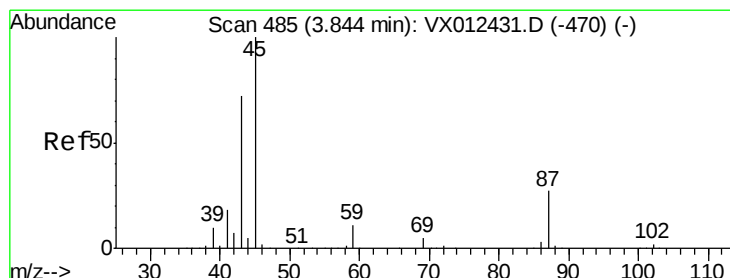
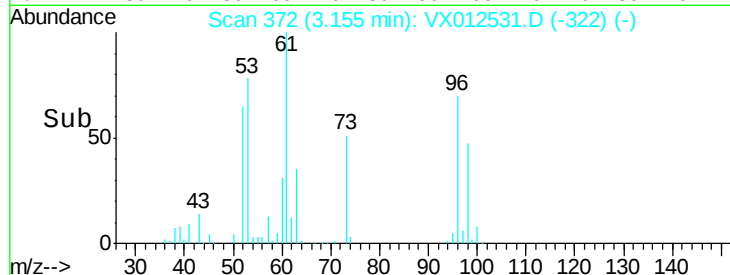
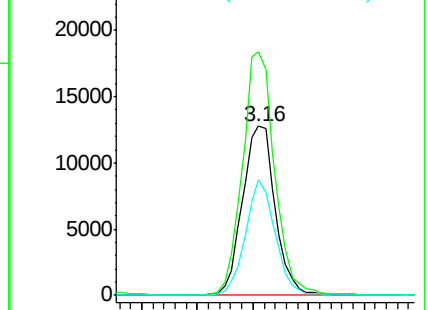
9/20/2019 10:45:24 AM



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: 20.834 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Tgt Ion: 45 Resp: 138571

Ion Ratio Lower Upper

45 100

43 74.1 57.8 86.8

87 26.3 21.3 31.9

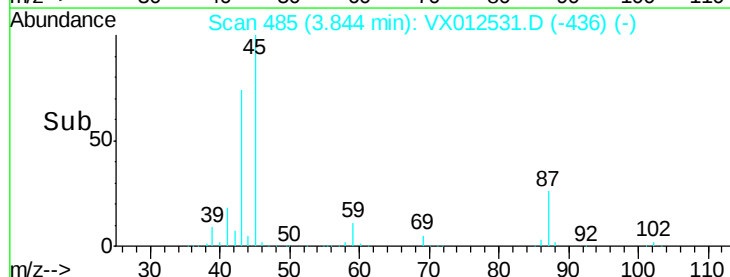
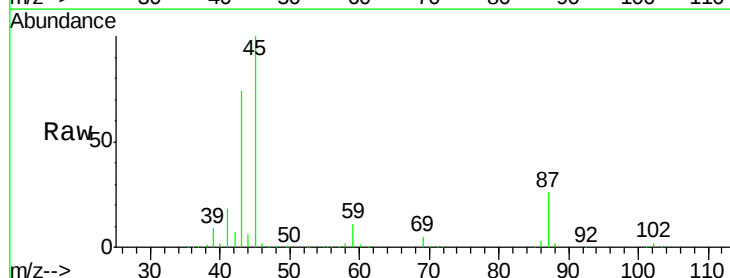
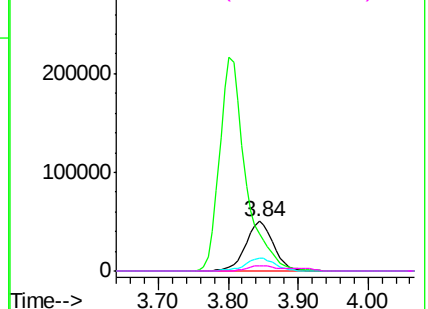
59 11.0 8.5 12.7

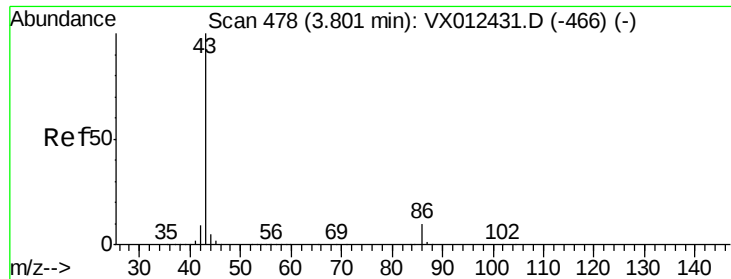
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 102.995 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 43 Resp: 563518

Ion Ratio Lower Upper

43 100

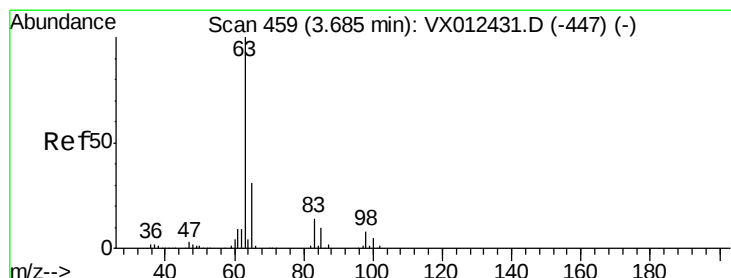
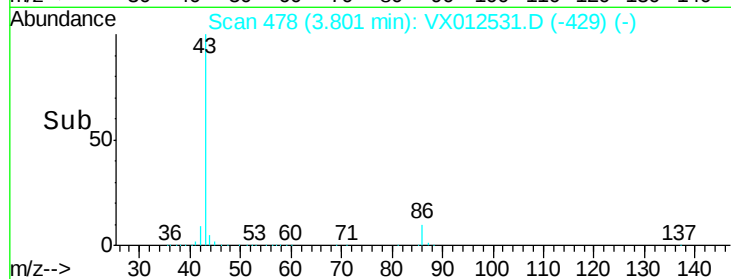
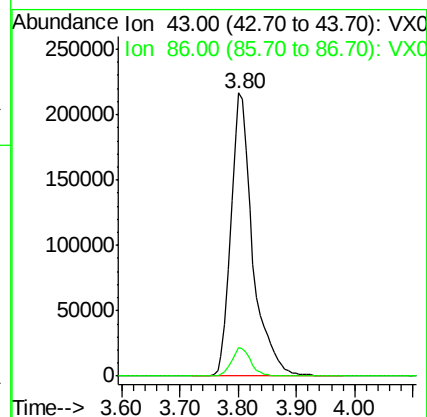
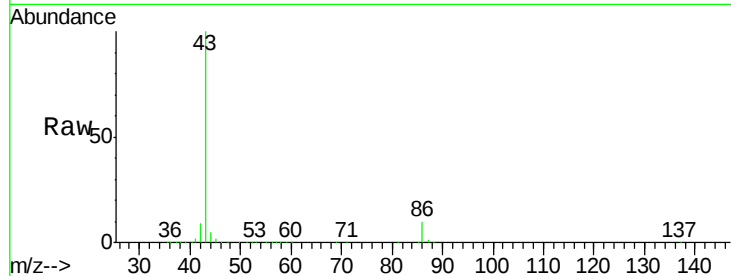
86 10.1 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 20.860 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

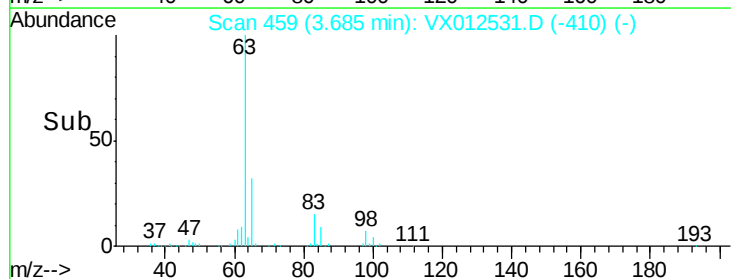
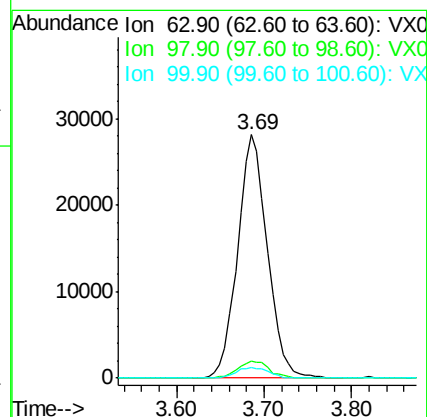
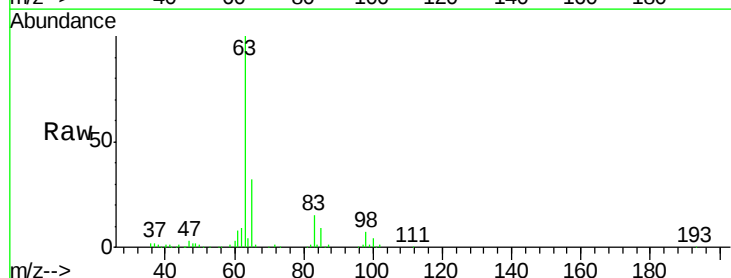
Tgt Ion: 63 Resp: 66383

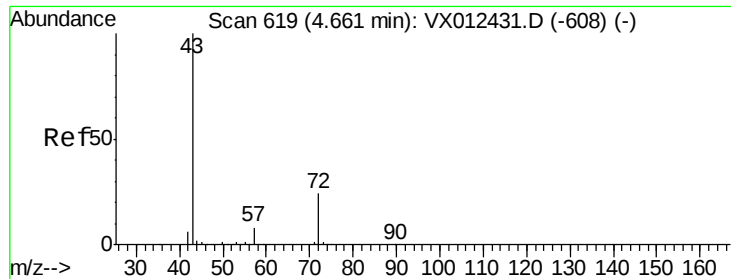
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

100 4.3 2.3 6.9





#25

2-Butanone

Concen: 95.738 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 43 Resp: 184715

Ion Ratio Lower Upper

43 100

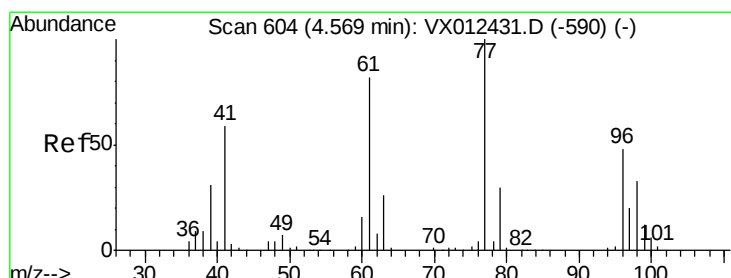
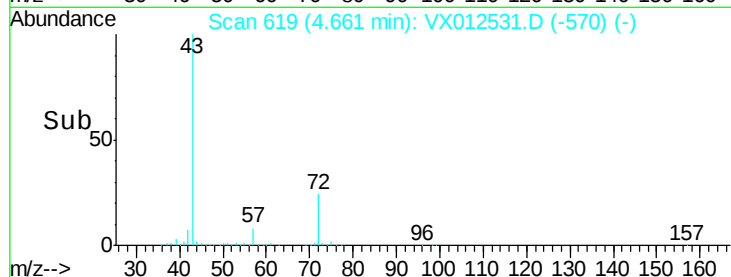
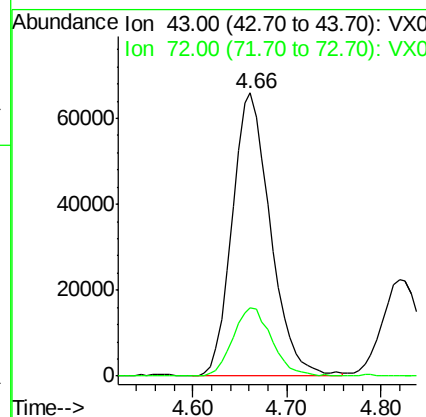
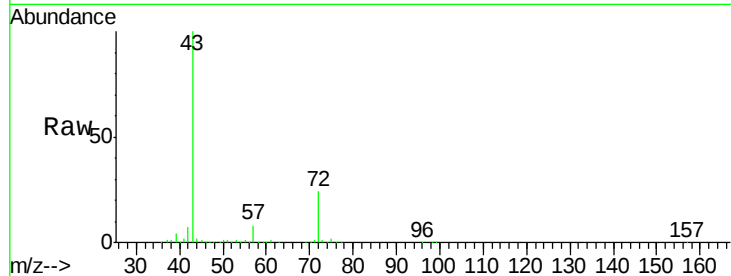
72 24.2 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.520 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012531.D

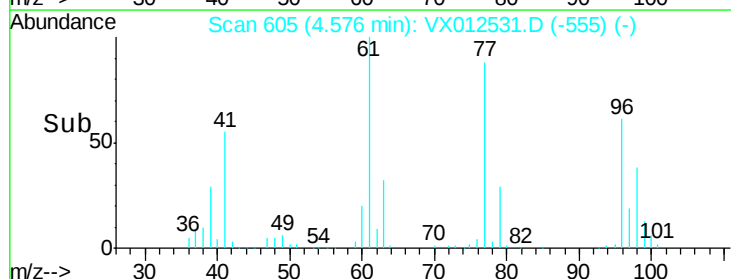
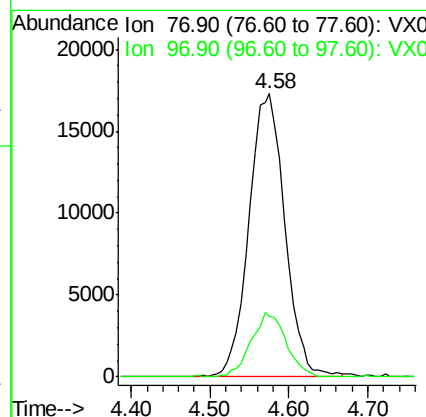
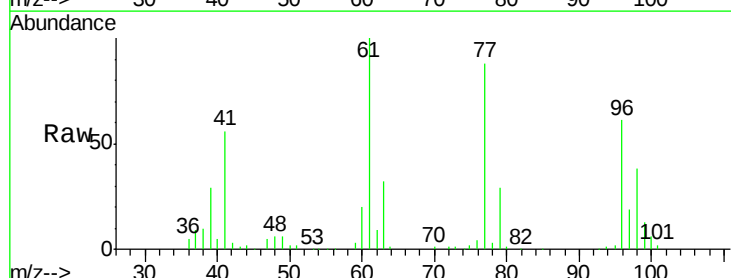
Acq: 19 Sep 2019 16:20

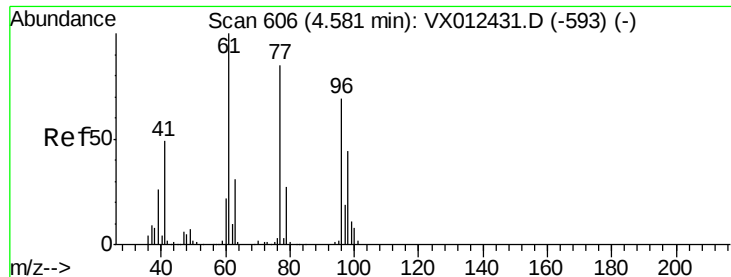
Tgt Ion: 77 Resp: 54834

Ion Ratio Lower Upper

77 100

97 22.1 10.5 31.6





#27

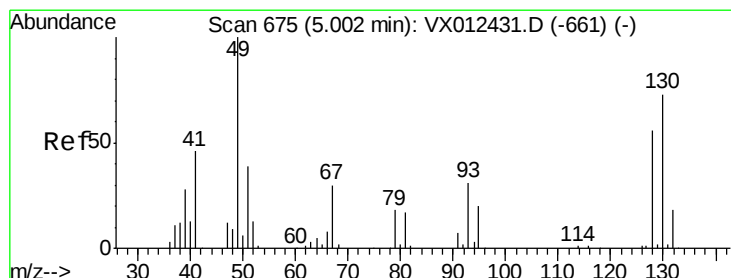
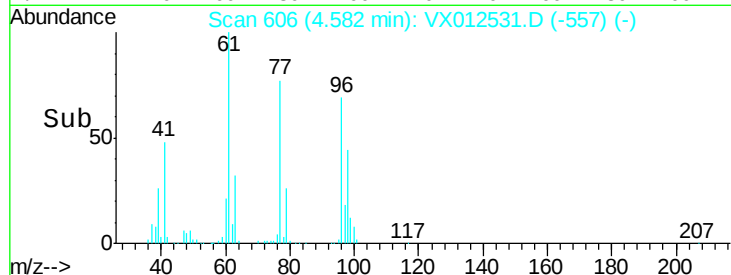
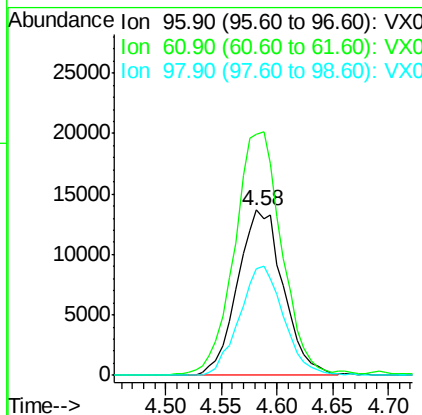
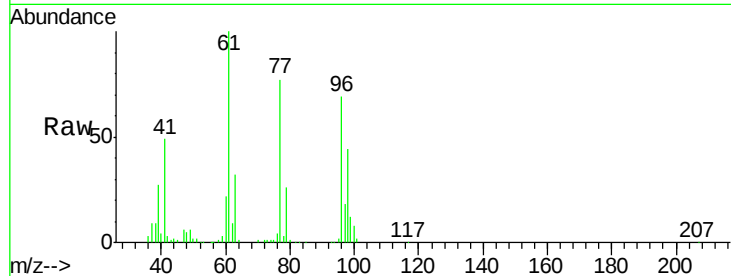
cis-1,2-Dichloroethene
Concen: 20.674 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampled :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	319.4
98	63.7	0.0	130.6

Manual Integrations
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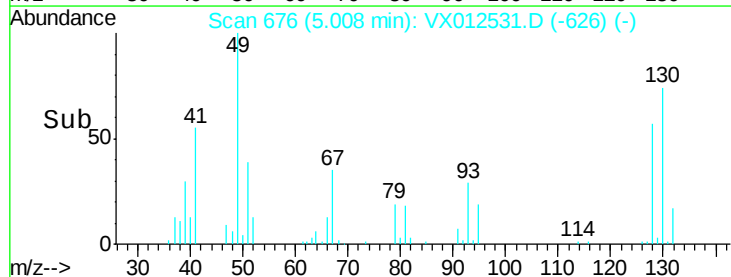
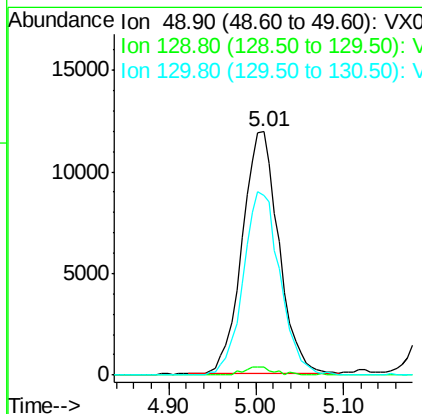
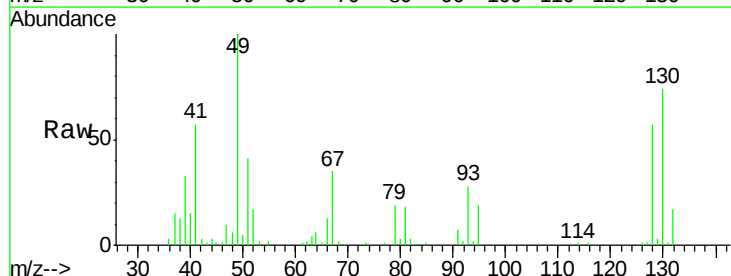
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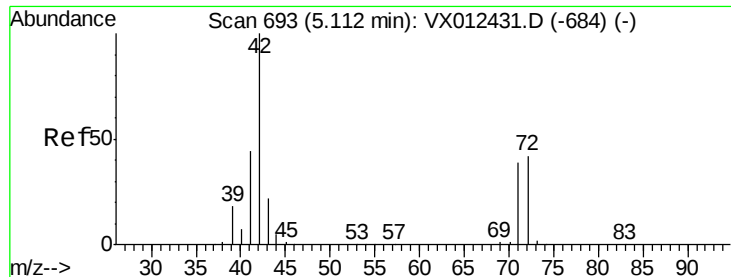


#28

Bromochloromethane
Concen: 21.089 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.8
130	76.2	58.2	87.4





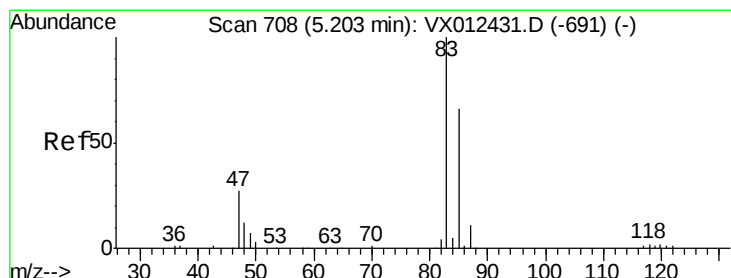
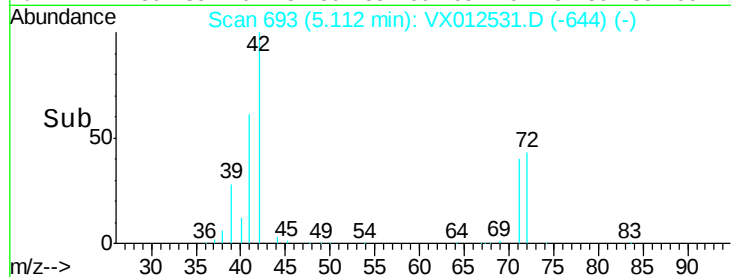
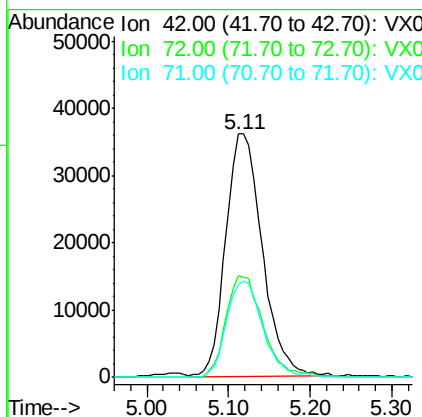
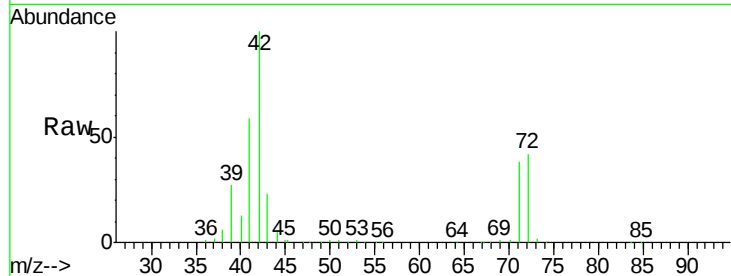
#29
Tetrahydrofuran
Concen: 104.635 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.0	51.0
71	39.9	31.5	47.3

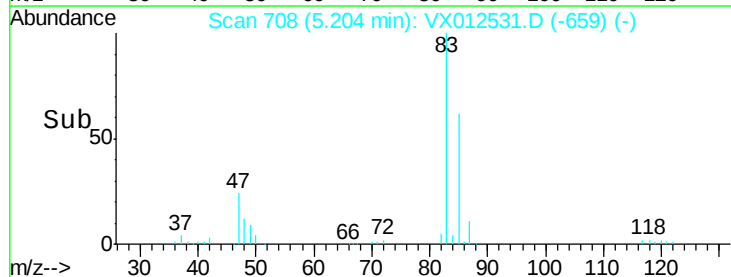
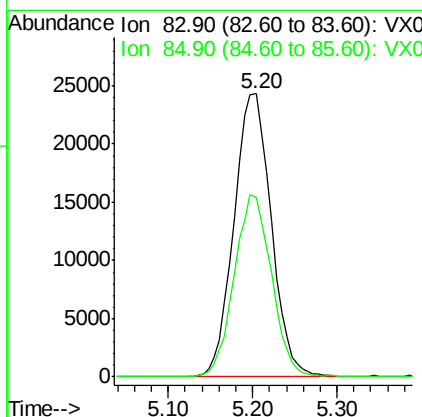
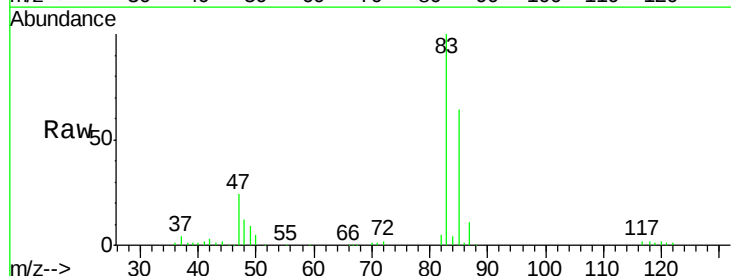
Manual Integrations
APPROVED

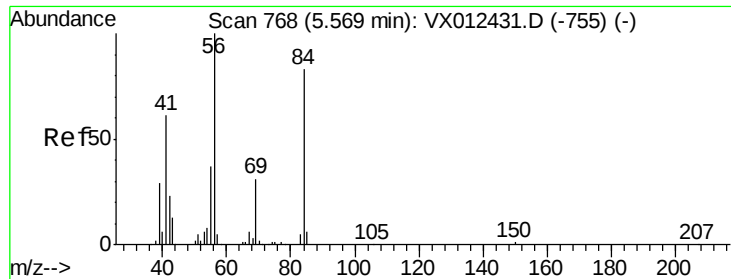
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#30
Chloroform
Concen: 19.958 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.0	79.4





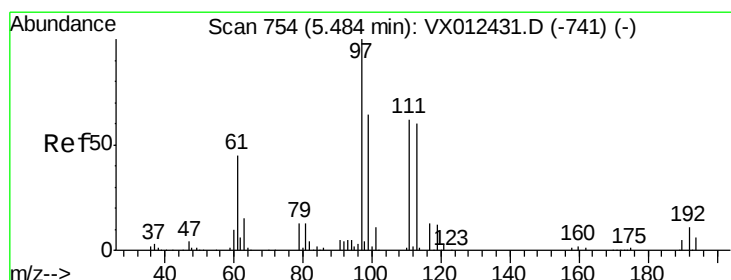
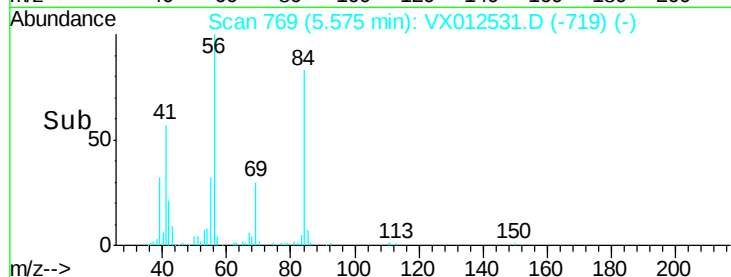
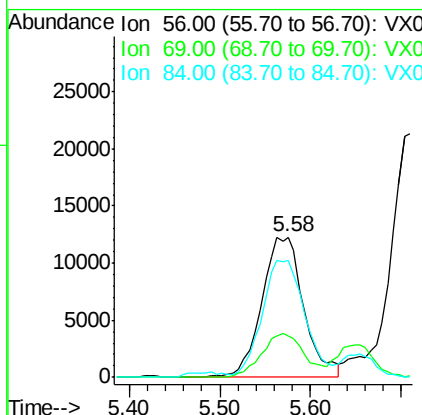
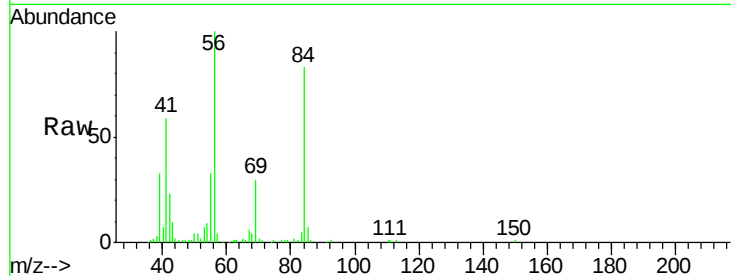
#31
Cyclohexane
Concen: 20.457 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	25.0	37.6
84	80.1	66.4	99.6

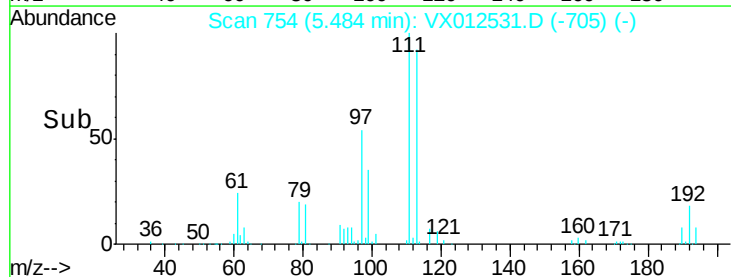
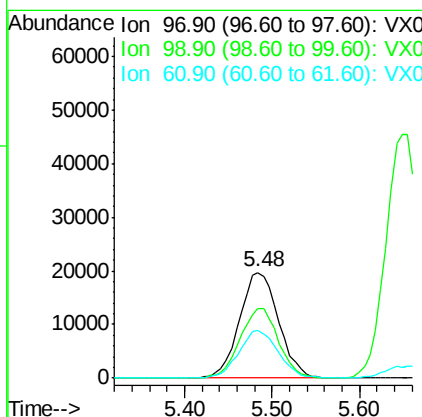
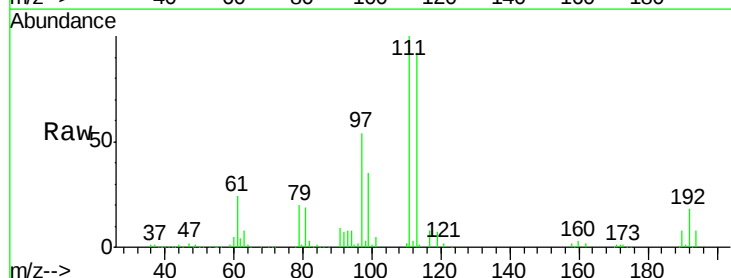
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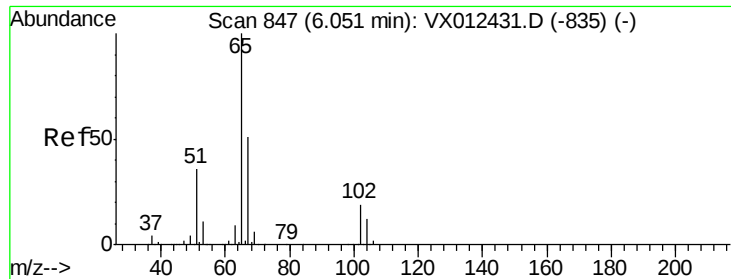
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#32
1,1,1-Trichloroethane
Concen: 20.001 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.3	76.9
61	45.7	36.1	54.1





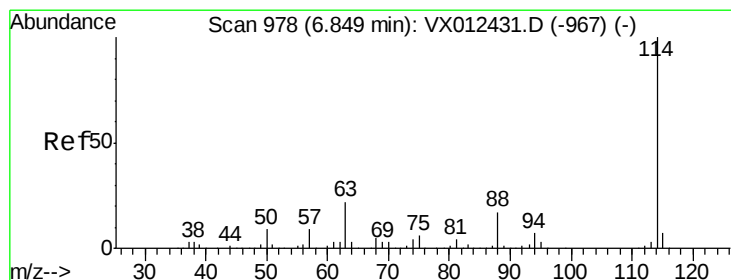
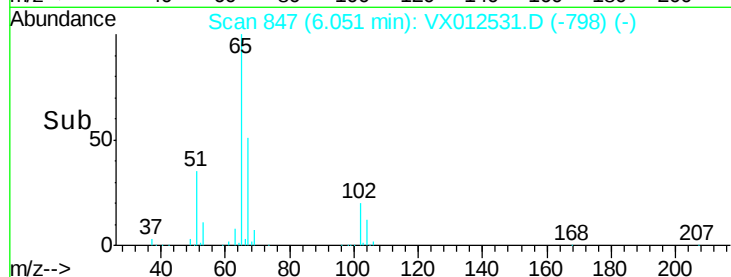
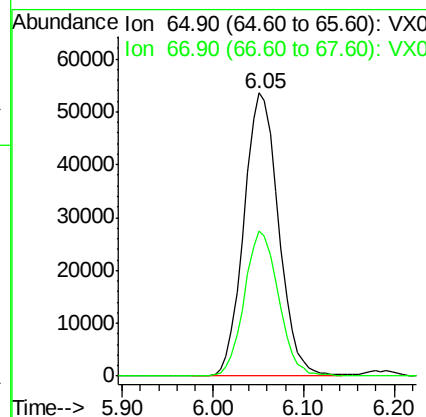
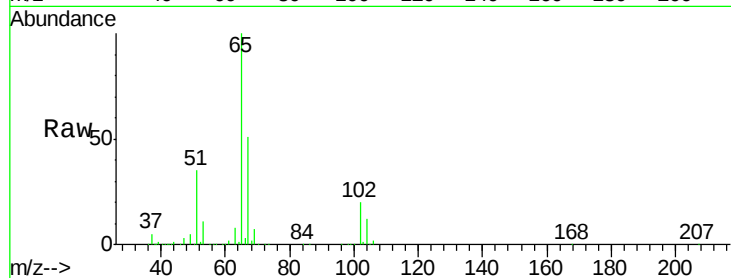
#33
 1,2-Dichloroethane-d4
 Concen: 51.084 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142086		
67	50.7	0.0	101.2	

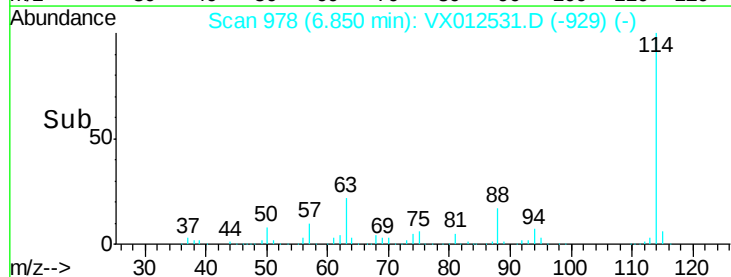
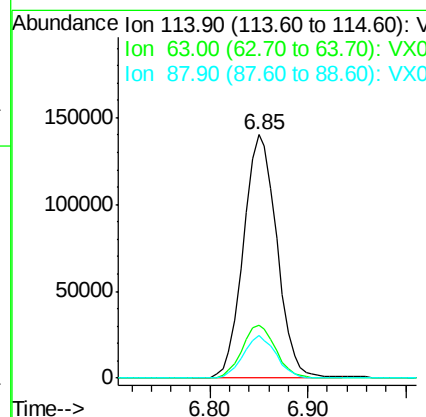
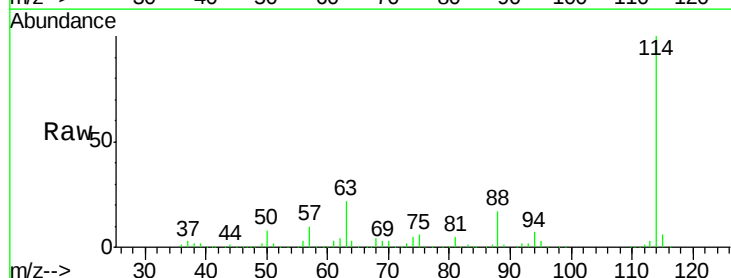
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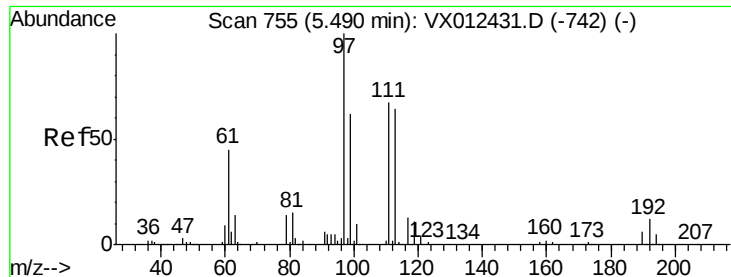
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	332756		
63	21.8	0.0	43.2	
88	17.4	0.0	33.2	





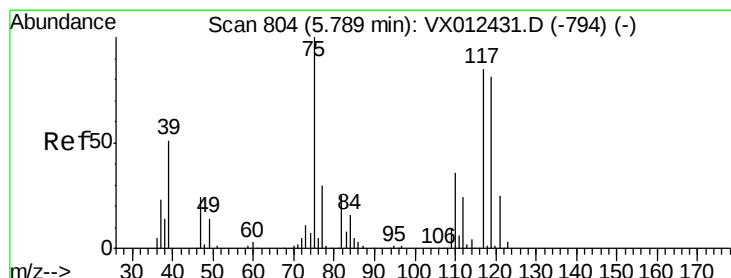
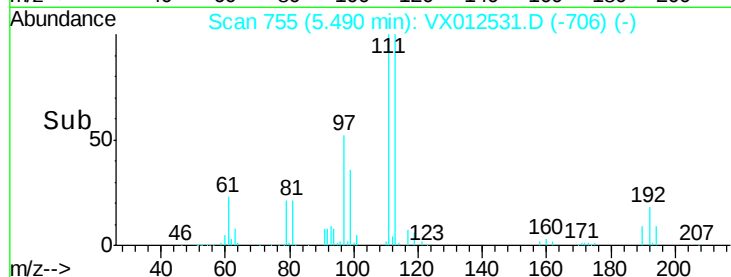
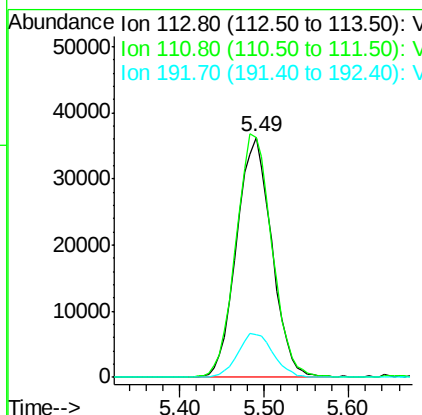
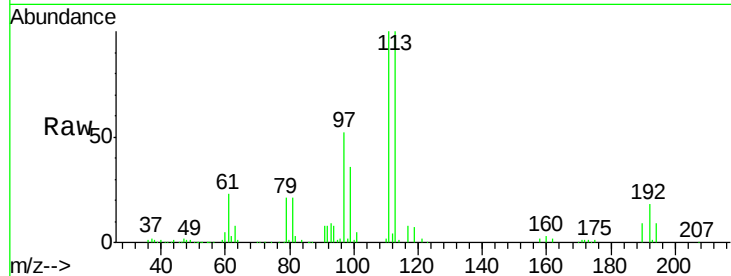
#35
 Dibromofluoromethane
 Concen: 50.796 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102304		
111	104.1	83.4	125.2	
192	18.5	14.4	21.6	

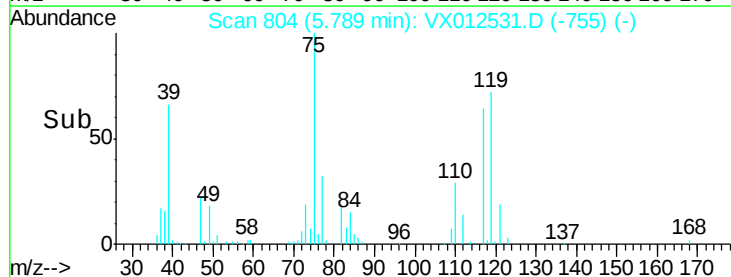
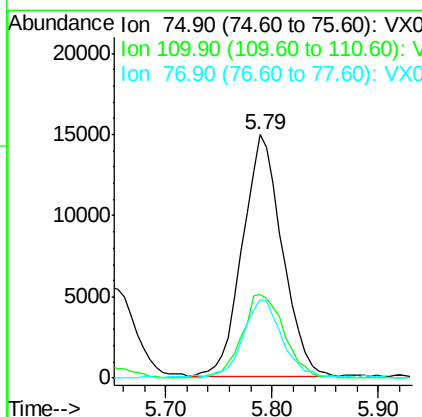
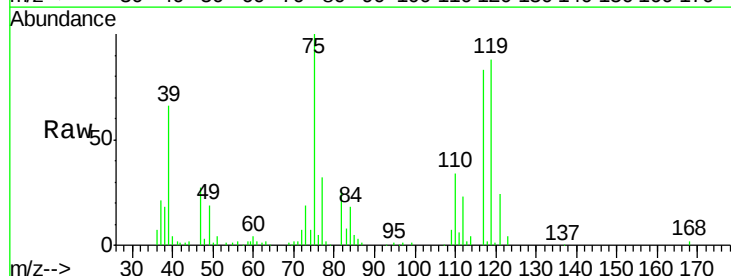
Manual Integrations
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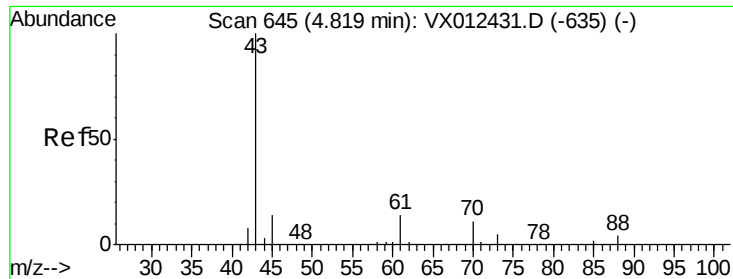
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#36
 1,1-Dichloropropene
 Concen: 19.281 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38992		
110	36.7	16.7	50.0	
77	31.8	24.2	36.2	





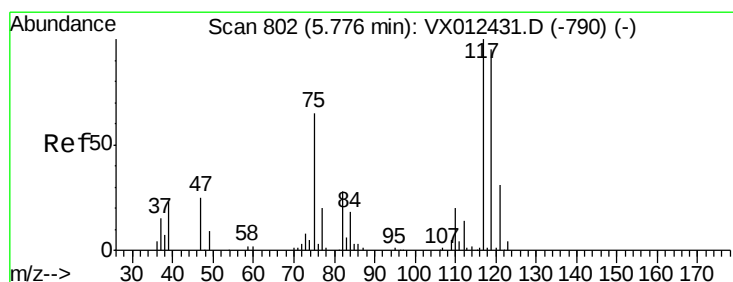
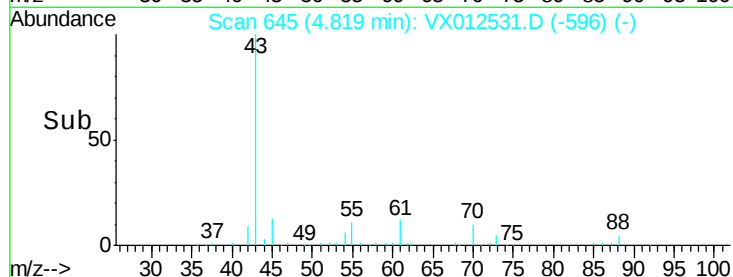
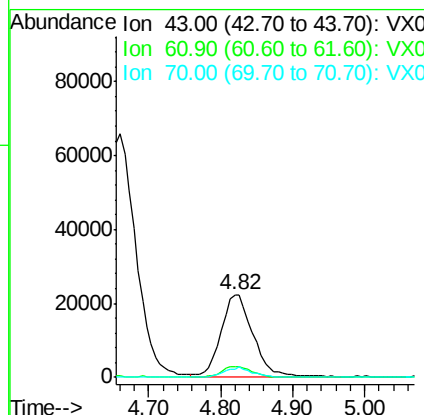
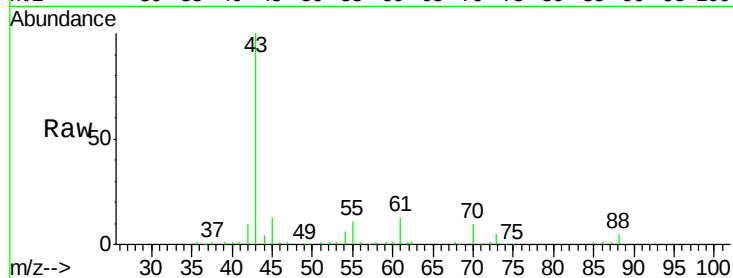
#37
Ethyl Acetate
Concen: 21.777 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.4
70	11.1	8.7	13.1

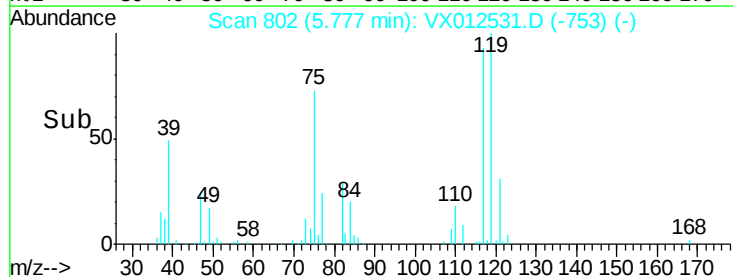
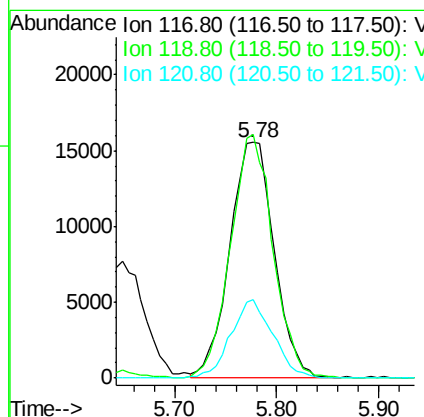
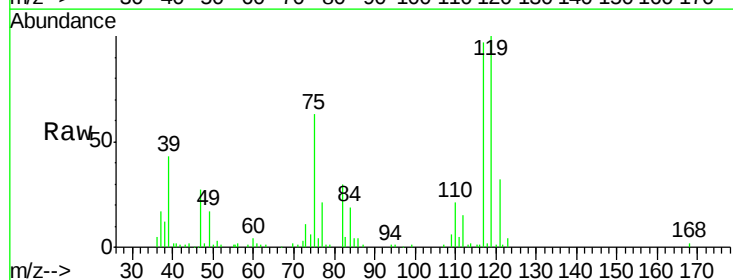
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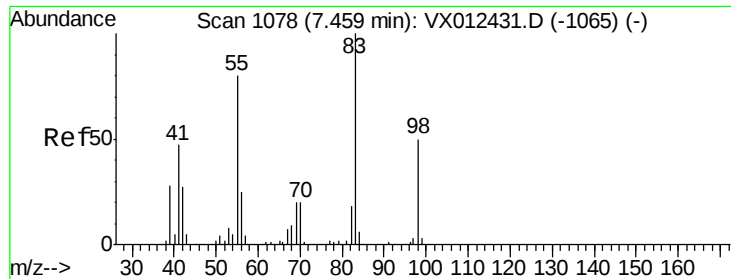
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#38
Carbon Tetrachloride
Concen: 18.739 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.2	75.7	113.5
121	33.2	24.2	36.4





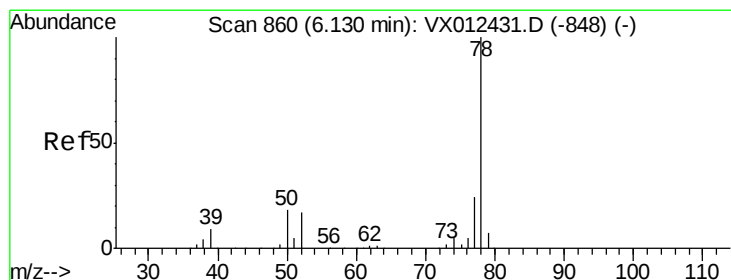
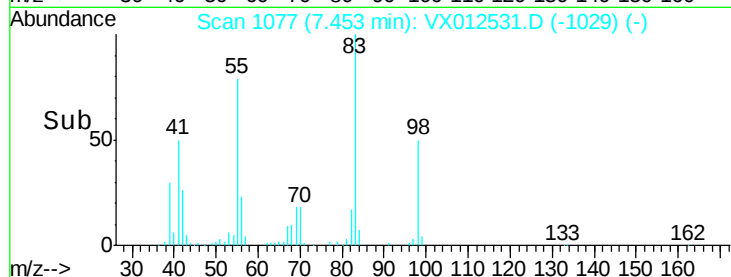
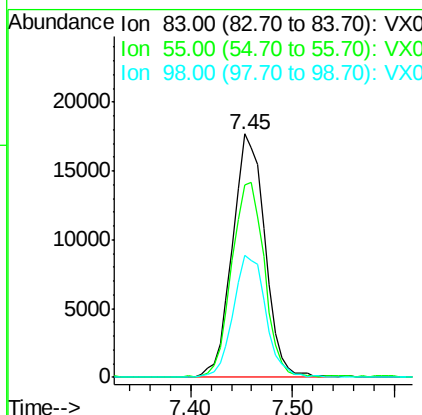
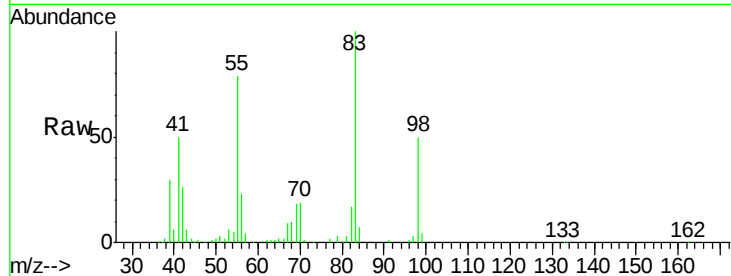
#39
Methvlcvclohexane
Concen: 19.885 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.7	64.4	96.6	
98	49.9	40.1	60.1	

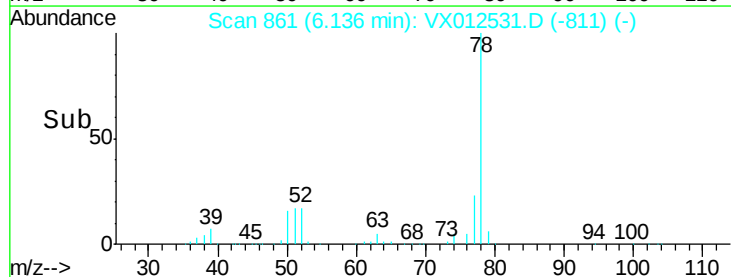
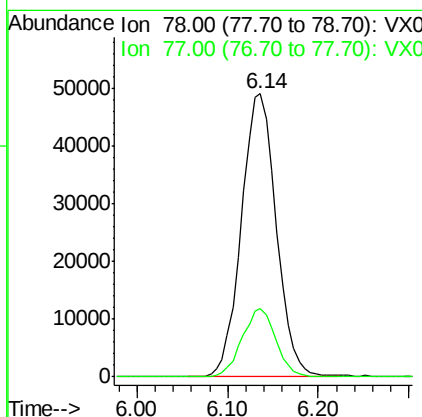
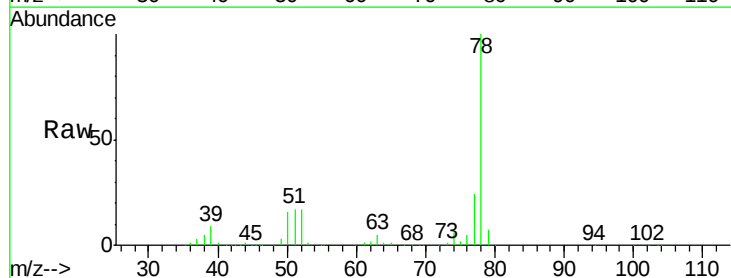
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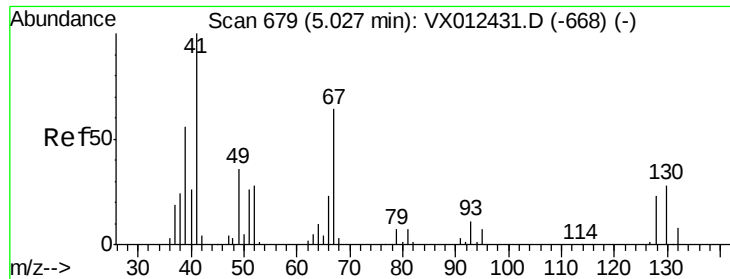
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#40
Benzene
Concen: 20.393 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

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





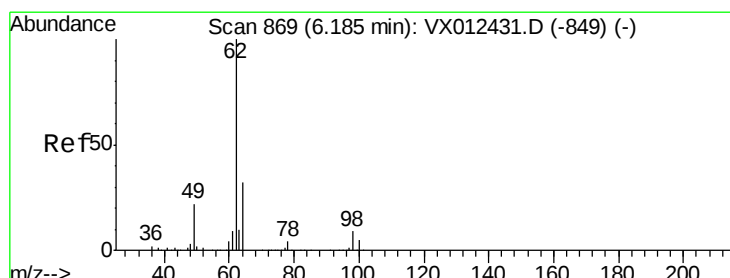
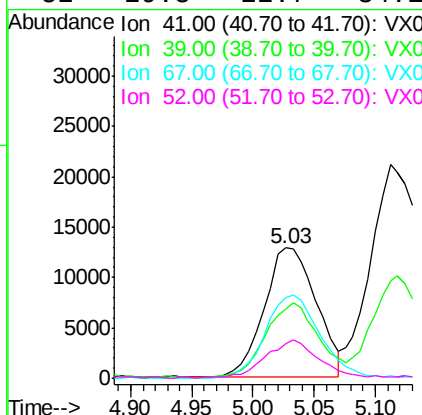
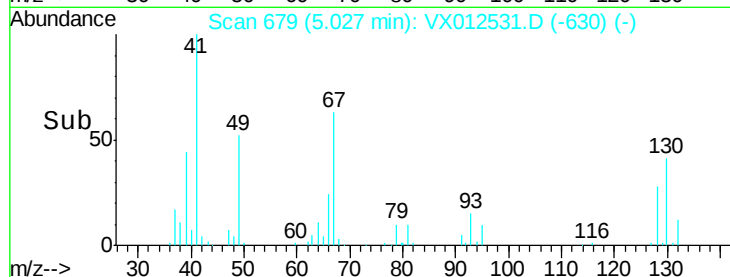
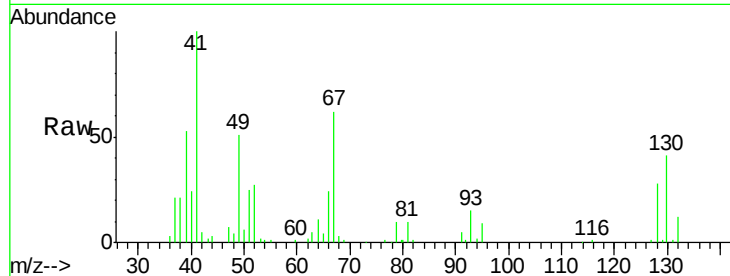
#41
Methacrylonitrile
Concen: 19.156 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.0	46.0	69.0	
67	67.2	52.2	78.2	
52	29.8	22.7	34.1	

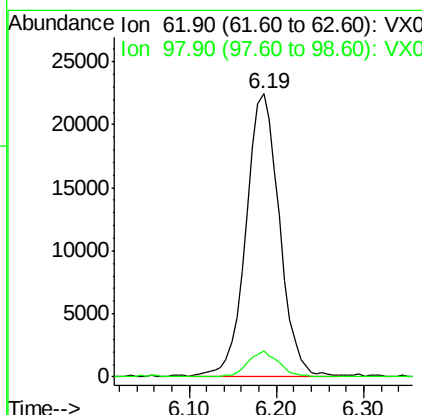
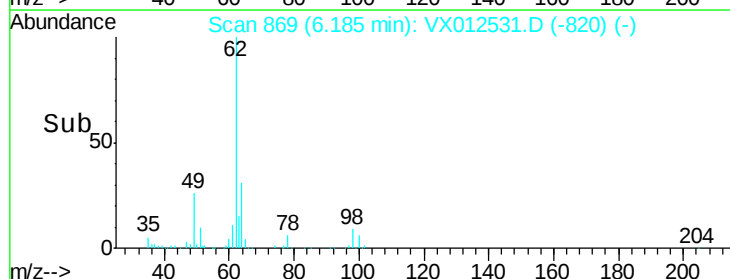
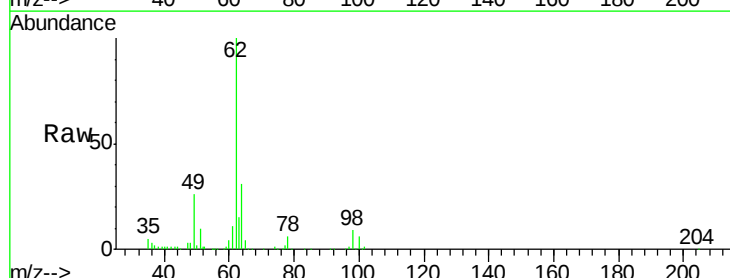
Manual Integrations
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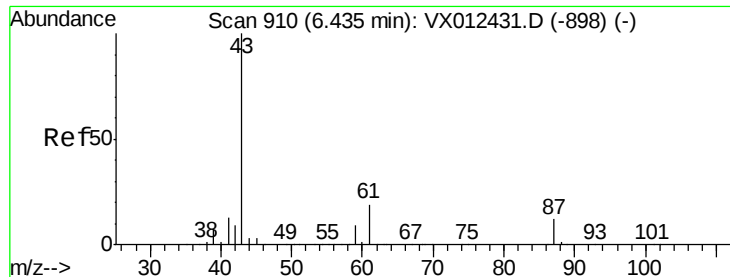
MMDadoda
9/20/2019 10:45:24 AM



#42
1,2-Dichloroethane
Concen: 19.761 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.8	





#43

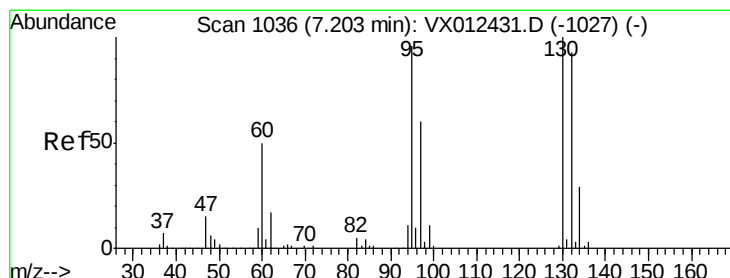
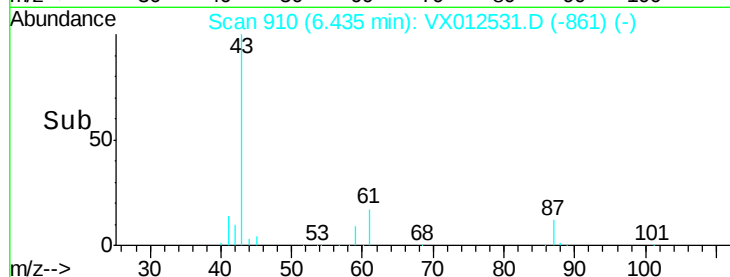
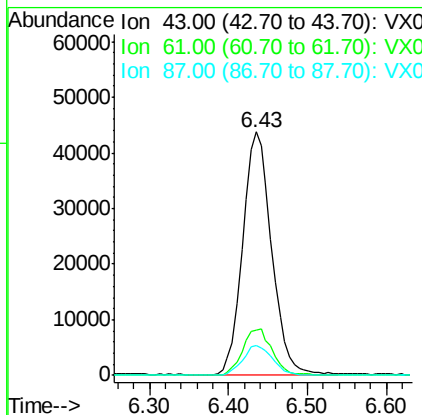
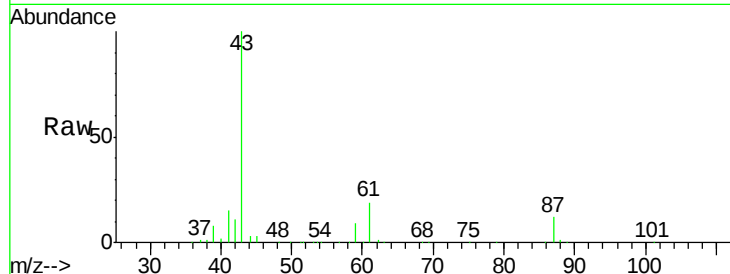
Isopropyl Acetate
 Concen: 19.887 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.4	23.0
87	12.8	9.8	14.8

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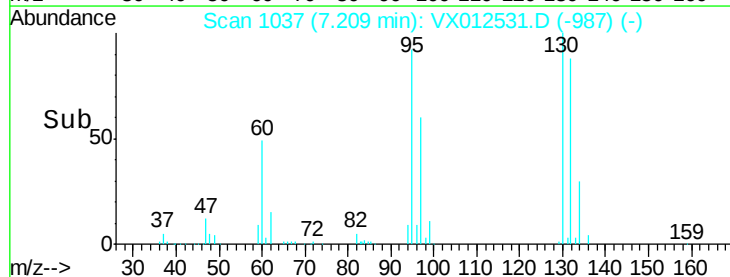
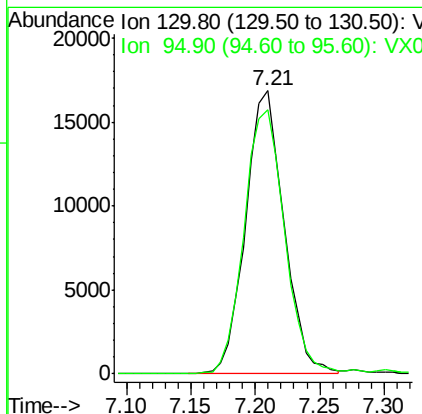
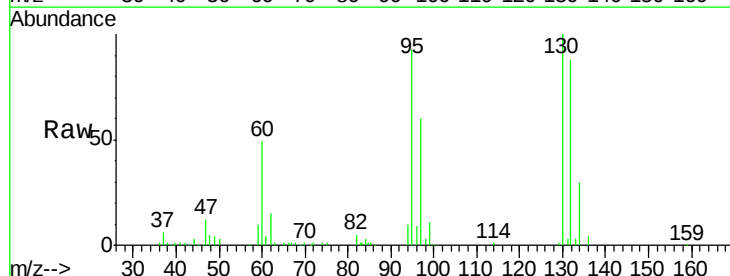
MMDadoda
 9/20/2019 10:45:24 AM

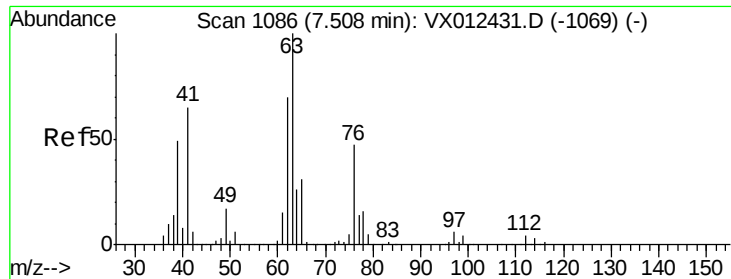


#44

Trichloroethene
 Concen: 20.532 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	193.0





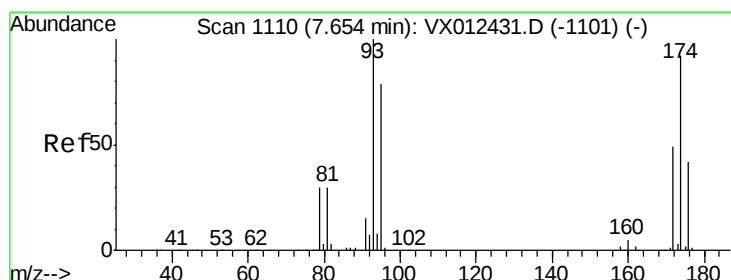
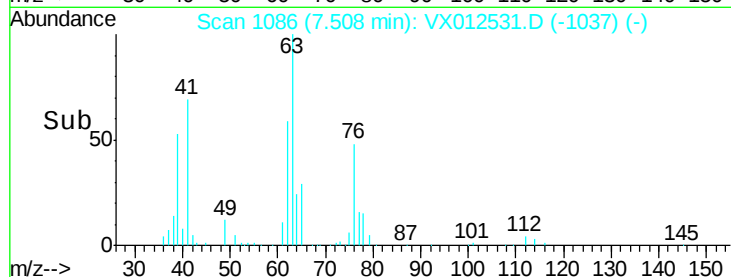
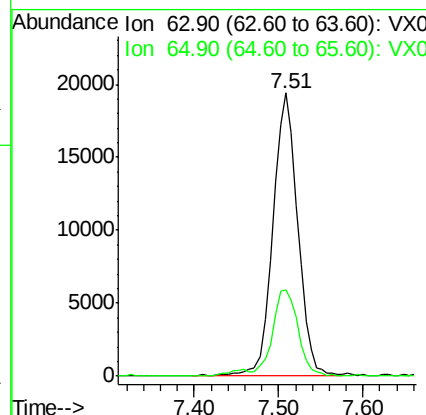
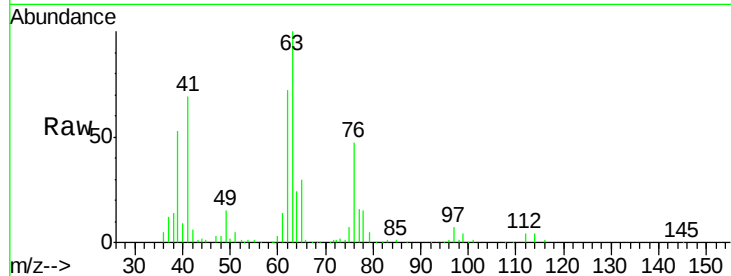
#45
 1,2-Dichloropropane
 Concen: 20.152 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Tot Ion: 63 Resp: 39815
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

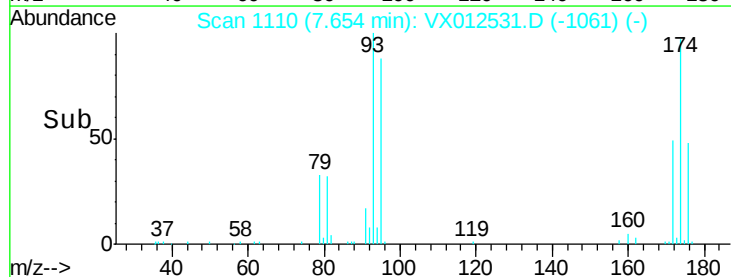
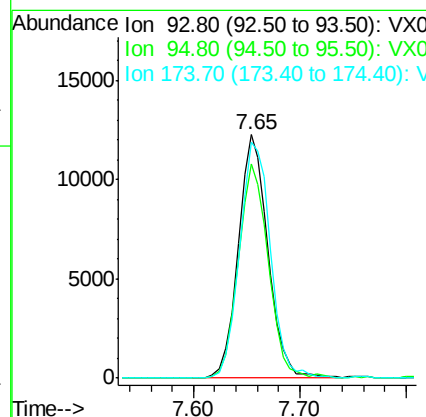
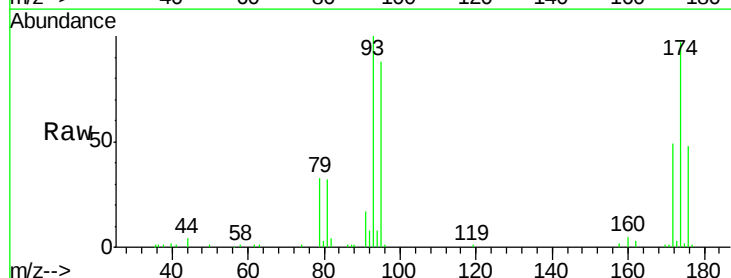
Manual Integrations
 APPROVED

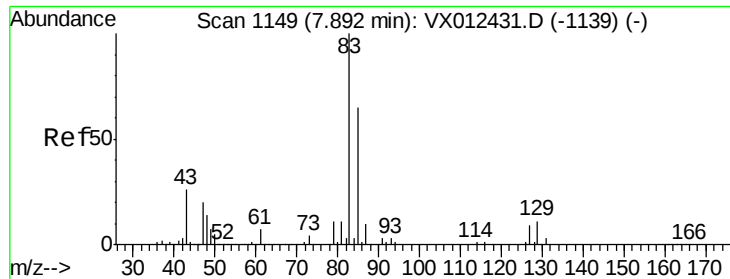
MMDadoda
 9/20/2019 10:45:24 AM



#46
 Dibromomethane
 Concen: 18.729 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Tgt Ion: 93 Resp: 23946
 Ion Ratio Lower Upper
 93 100
 95 88.2 66.6 100.0
 174 101.3 77.4 116.0





#47

Bromodichloromethane

Concen: 18.971 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

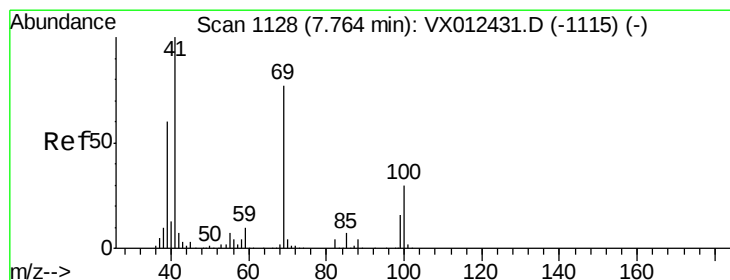
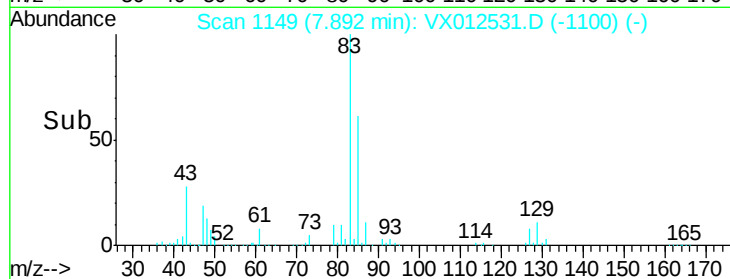
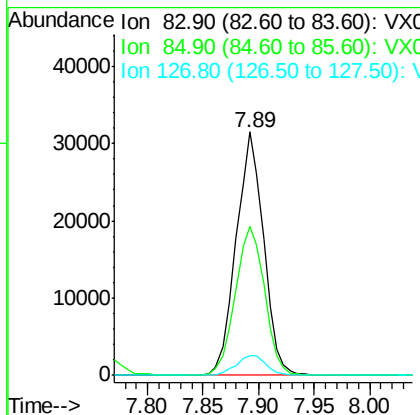
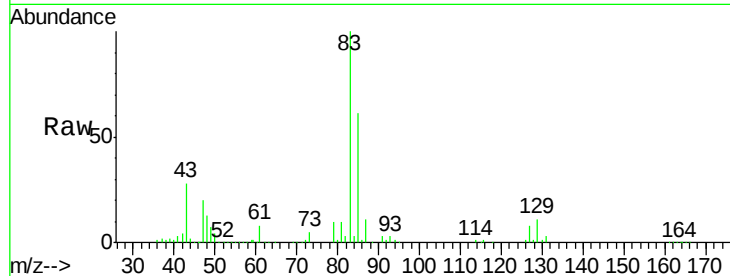
ClientSampleId :

VX0919MBSD01

Tot Ion:	83	Resp:	54008
Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.8	77.6
127	8.2	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.481 ug/l

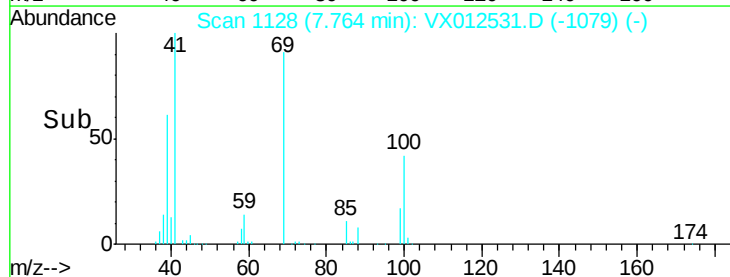
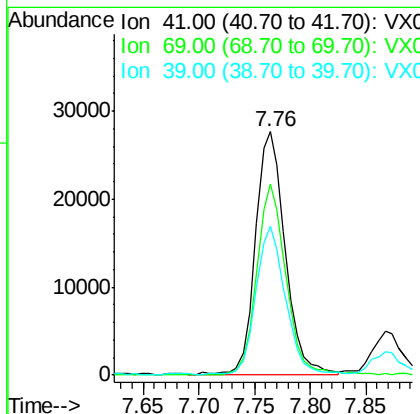
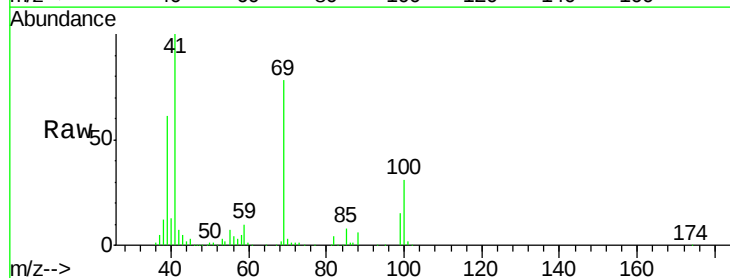
RT: 7.76 min Scan# 1128

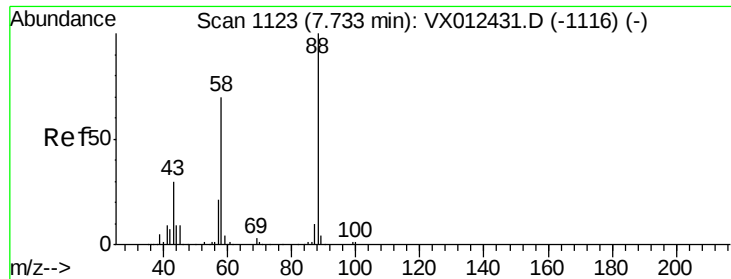
Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Tgt Ion:	41	Resp:	51165
Ion	Ratio	Lower	Upper
41	100		
69	77.8	59.9	89.9
39	61.1	47.8	71.6





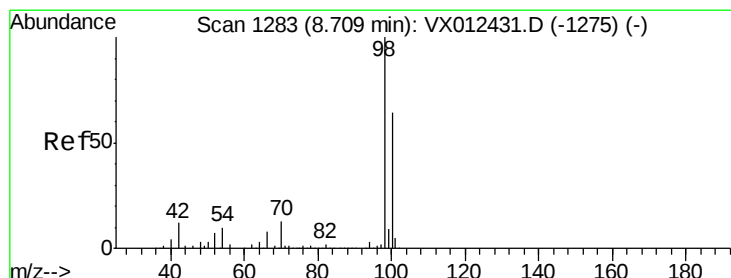
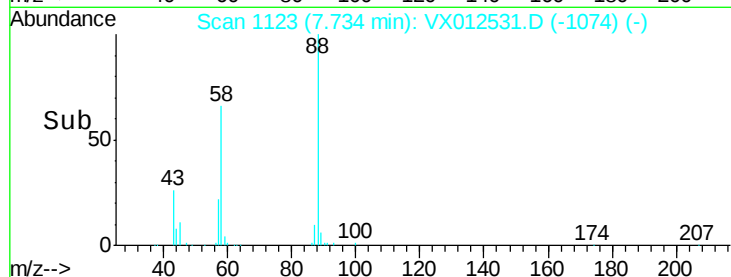
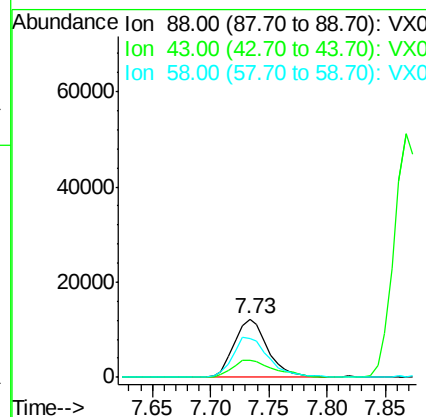
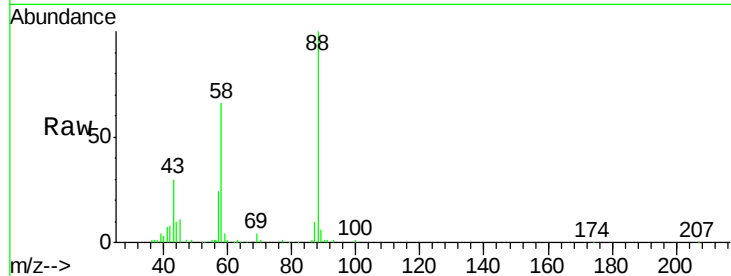
#49
1,4-Dioxane
Concen: 387.191 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	24750		
43	34.9		29.4	44.0
58	73.9		57.5	86.3

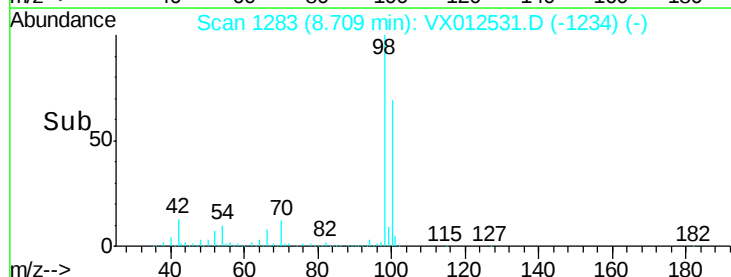
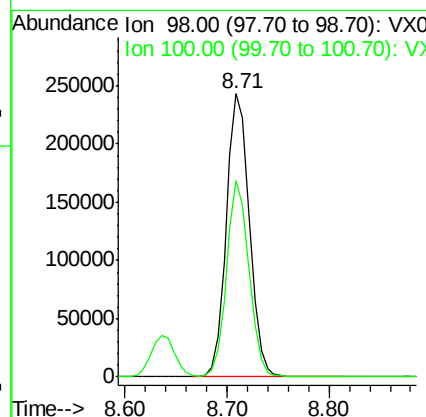
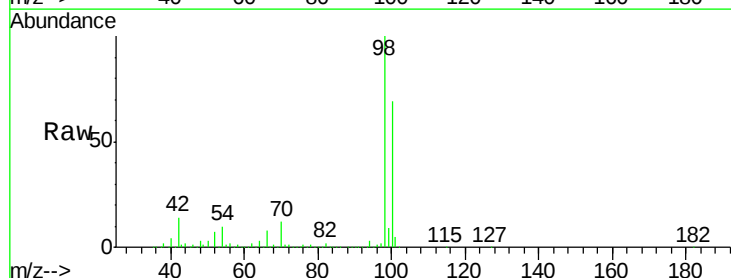
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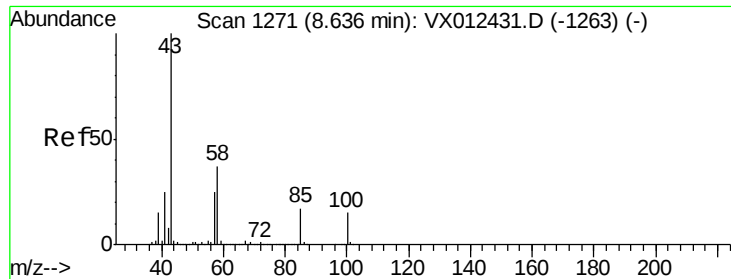
MMDadoda
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#50
Toluene-d8
Concen: 51.221 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	381844		
100	66.8		53.4	80.2





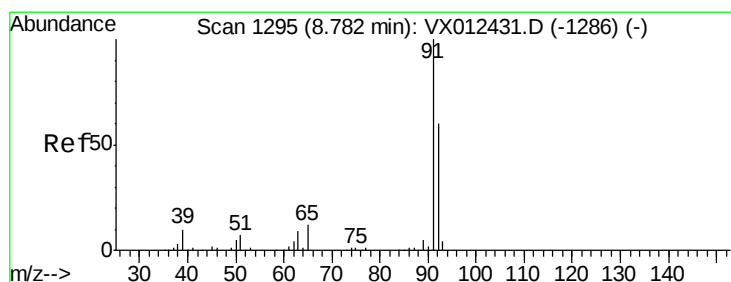
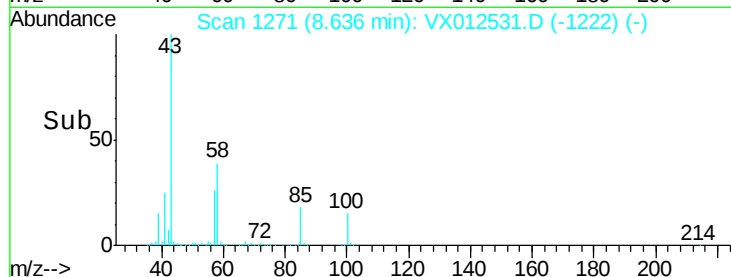
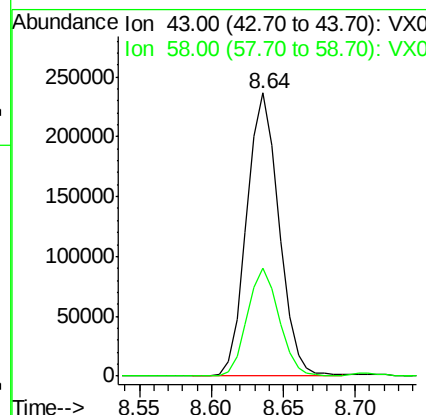
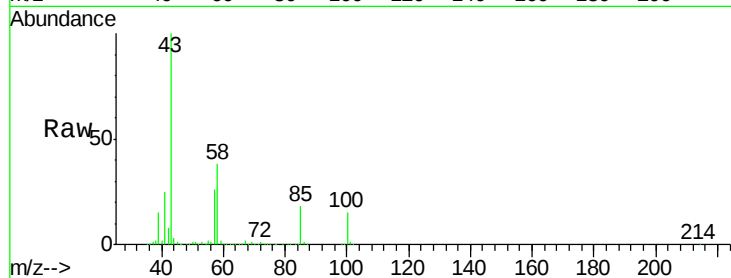
#51
4-Methyl-2-Pentanone
Concen: 100.659 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleID :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.8	44.6

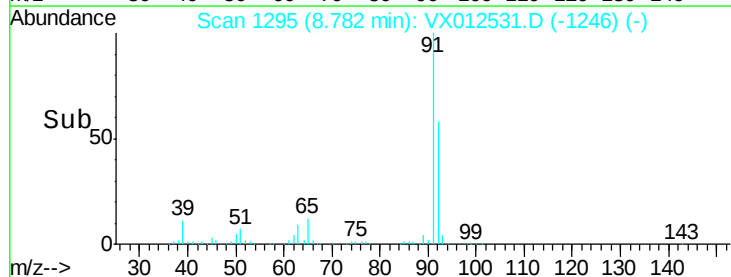
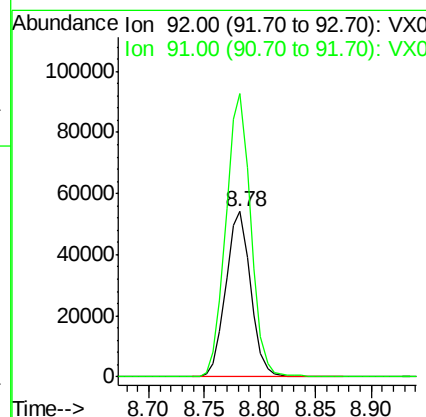
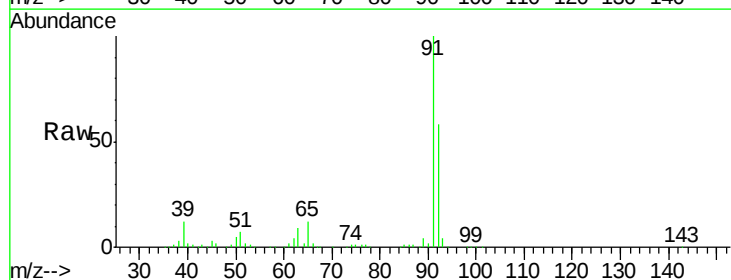
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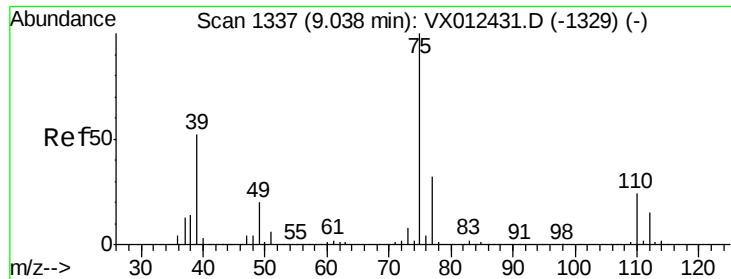
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#52
Toluene
Concen: 20.273 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.3	135.4	203.0





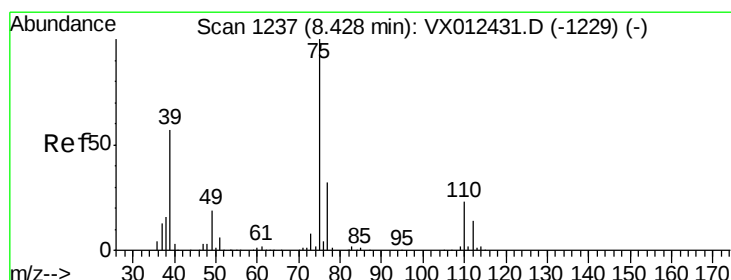
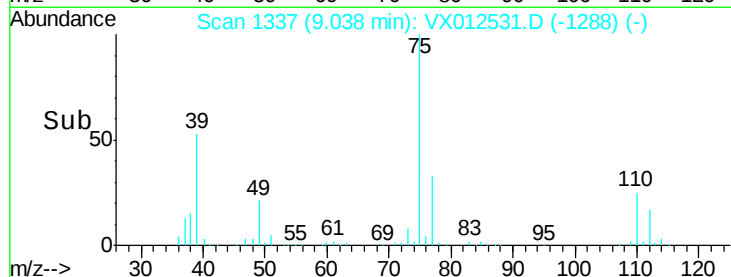
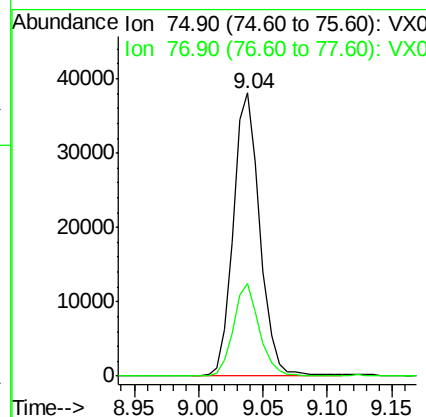
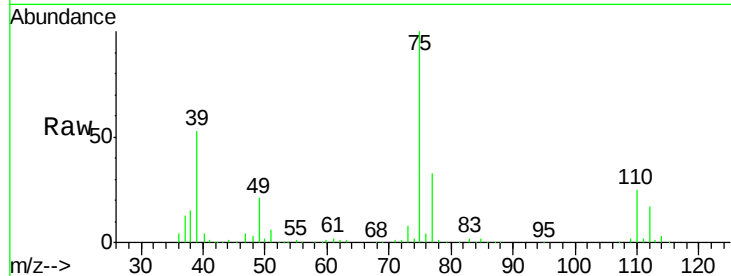
#53
t-1,3-Dichloropropene
Concen: 18.658 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion: 75 Resp: 55214
Ion Ratio Lower Upper
75 100
77 32.6 25.2 37.8

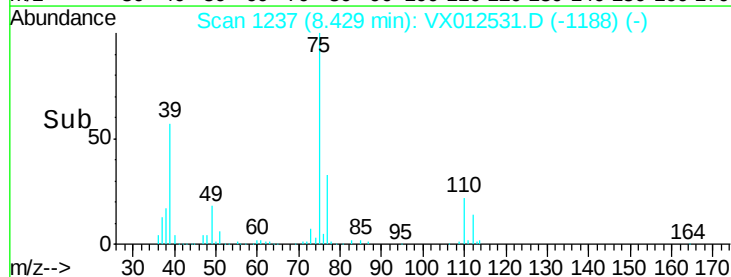
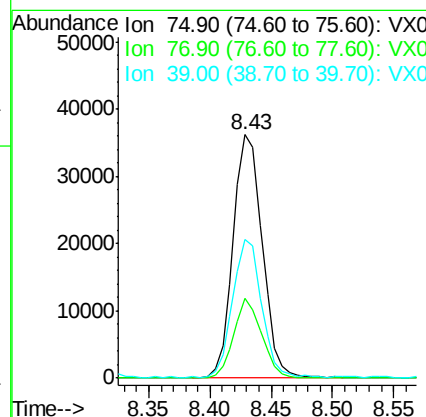
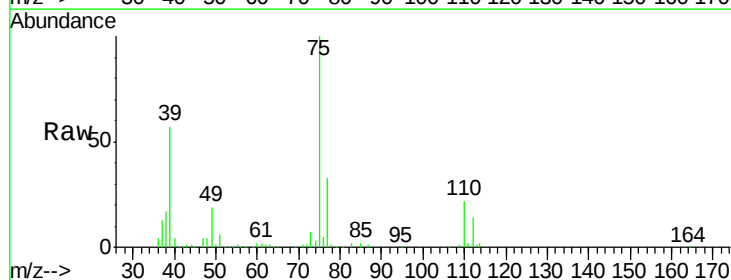
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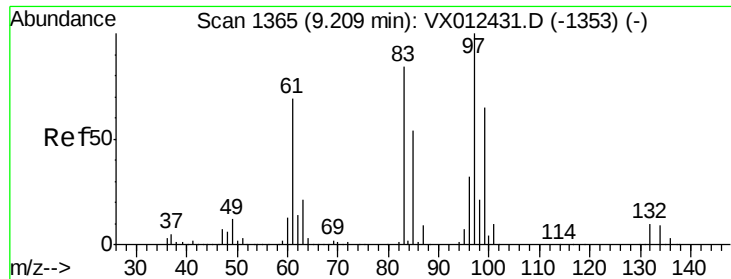
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.548 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion: 75 Resp: 59888
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.8
39 56.6 45.5 68.3





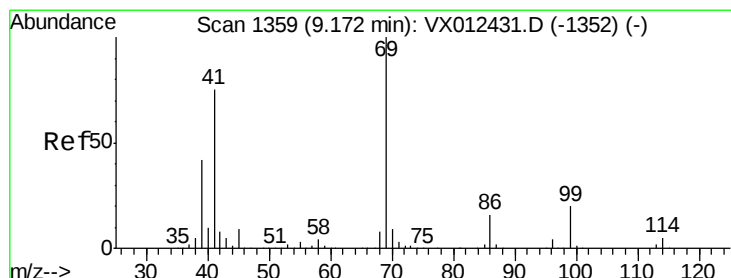
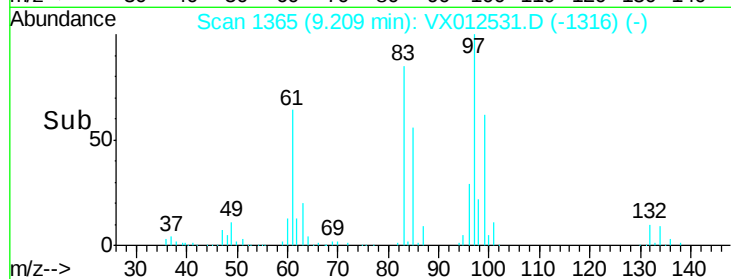
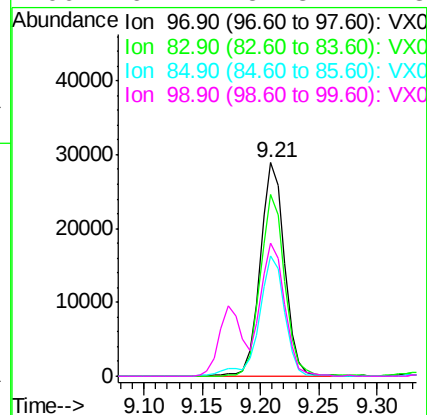
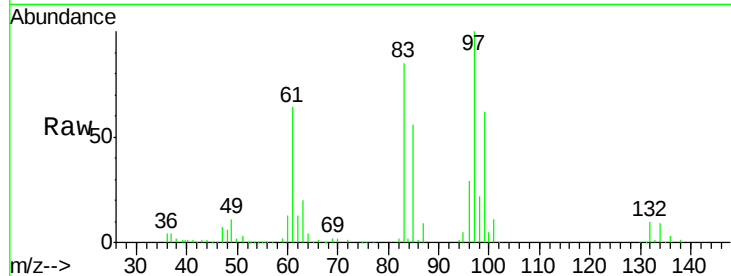
#55
 1,1,2-Trichloroethane
 Concen: 19.755 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		42176		
83	85.0	67.4	101.2		
85	56.3	43.5	65.3		
99	62.1	51.8	77.8		

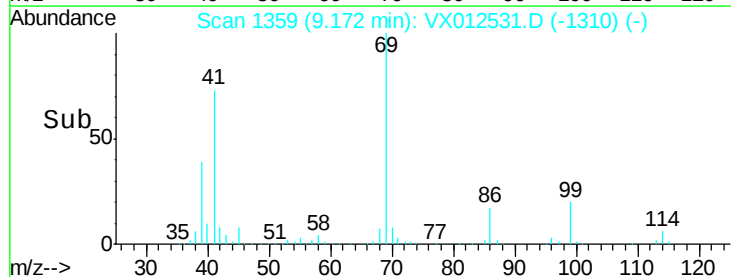
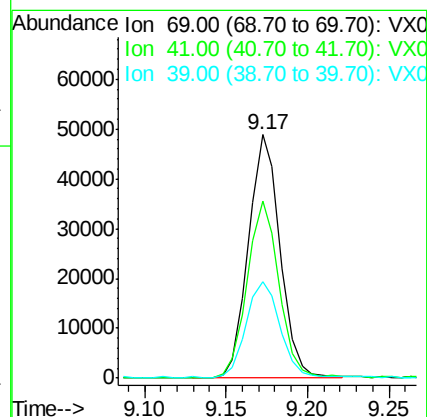
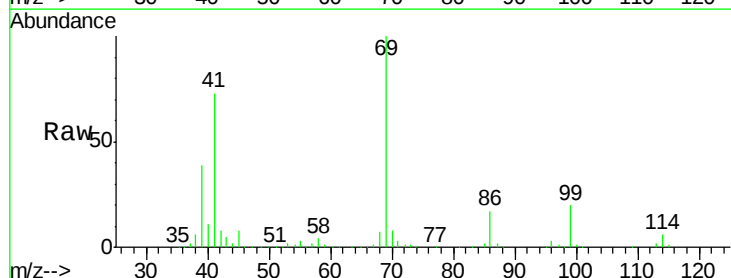
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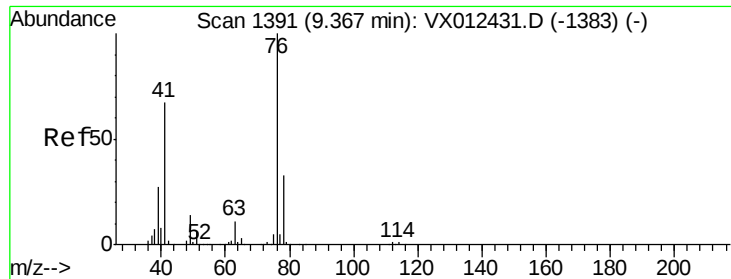
MMDadoda
 9/20/2019 10:45:24 AM



#56
 Ethyl methacrylate
 Concen: 19.879 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		66355		
41	73.0	58.4	87.6		
39	42.1	33.4	50.0		





#57

1,3-Dichloropropane

Concen: 20.224 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 76 Resp: 68887

Ion Ratio Lower Upper

76 100

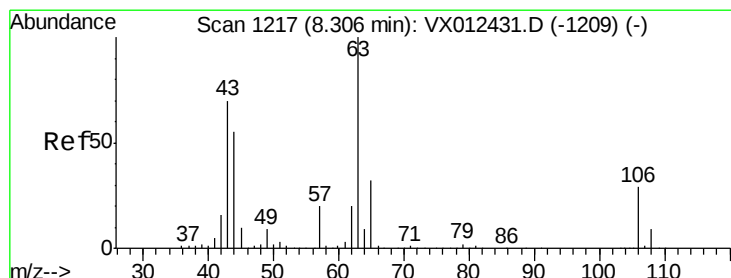
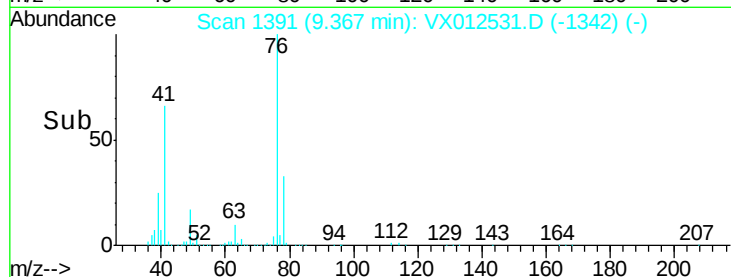
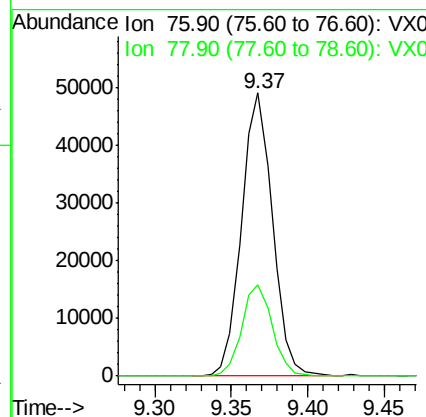
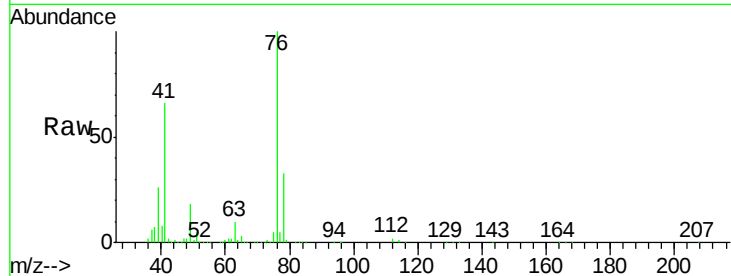
78 32.1 26.2 39.2

Manual Integrations

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9/20/2019 10:45:24 AM



#58

2-Chloroethyl Vinyl ether

Concen: 106.452 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012531.D

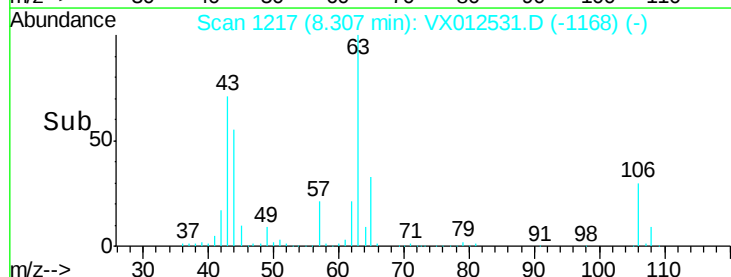
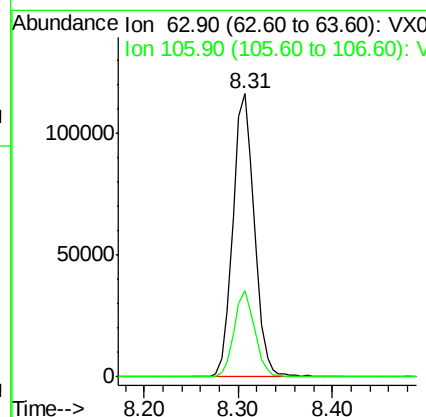
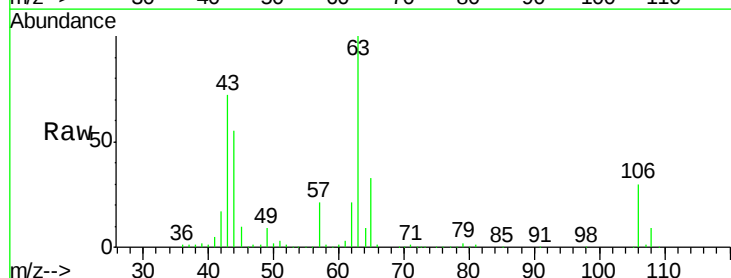
Acq: 19 Sep 2019 16:20

Tgt Ion: 63 Resp: 183932

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.6





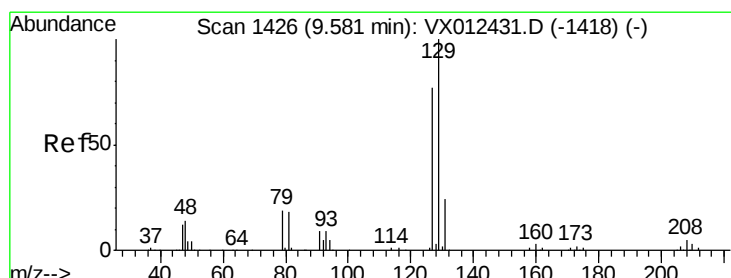
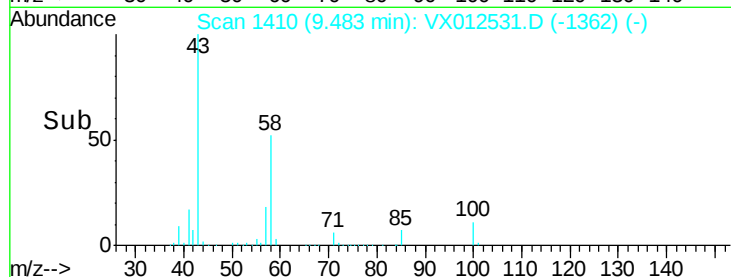
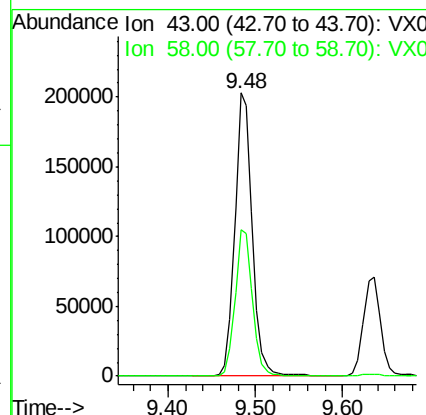
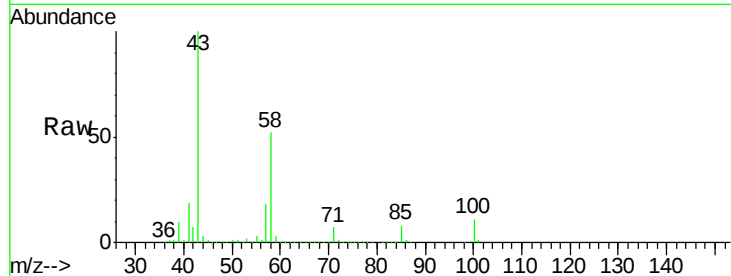
#59
2-Hexanone
Concen: 98.586 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion: 43 Resp: 281028
Ion Ratio Lower Upper
43 100
58 51.9 25.7 77.1

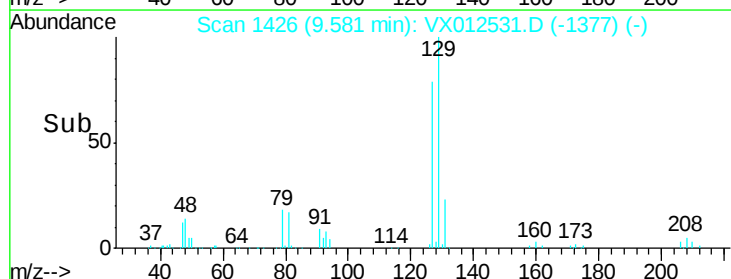
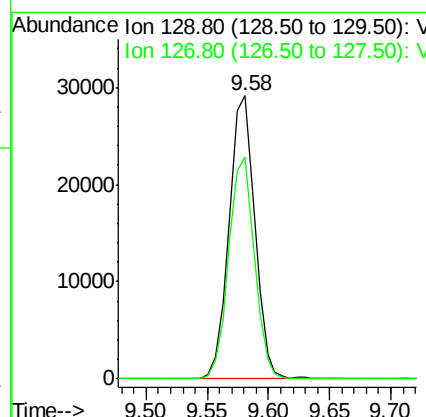
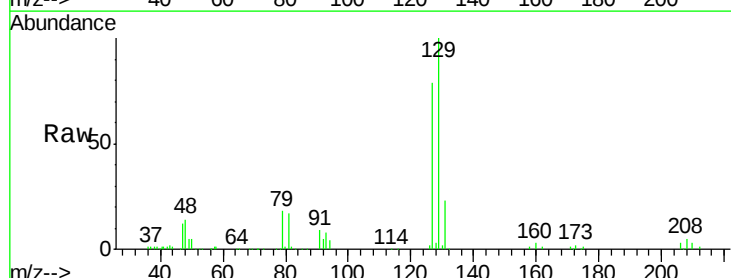
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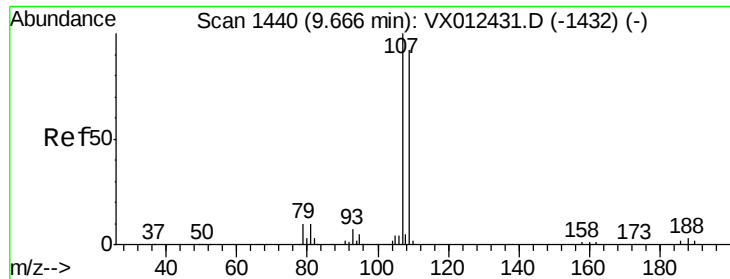
MMDadoda
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#60
Dibromochloromethane
Concen: 19.516 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion: 129 Resp: 42441
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.372 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 107 Resp: 39722

Ion Ratio Lower Upper

107 100

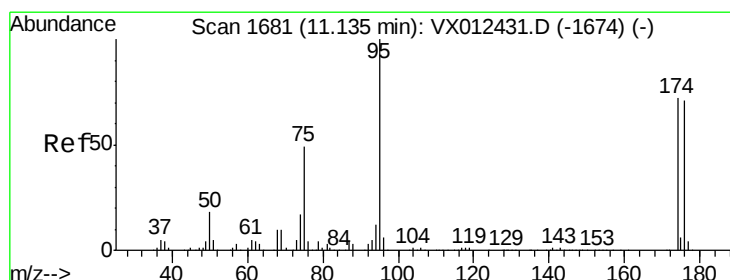
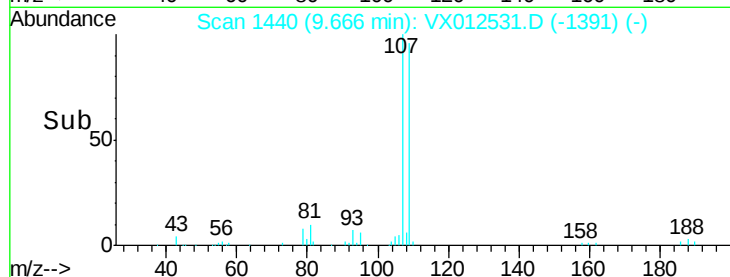
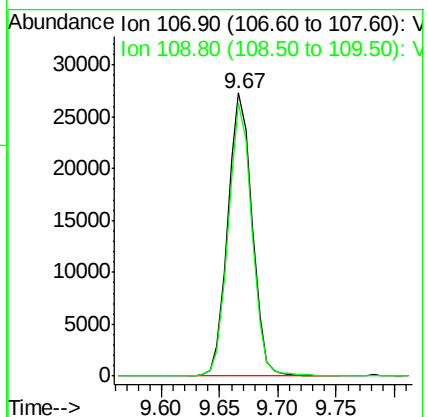
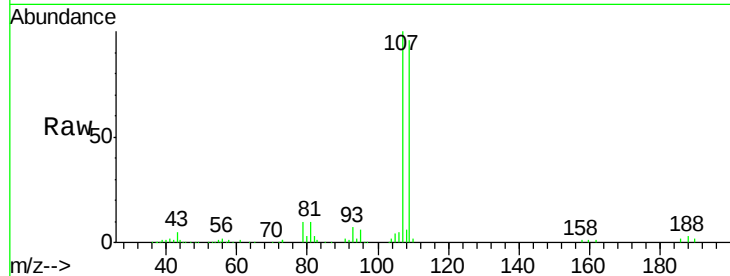
109 94.2 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 49.544 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

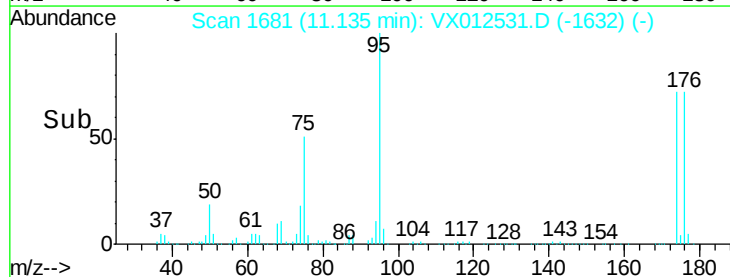
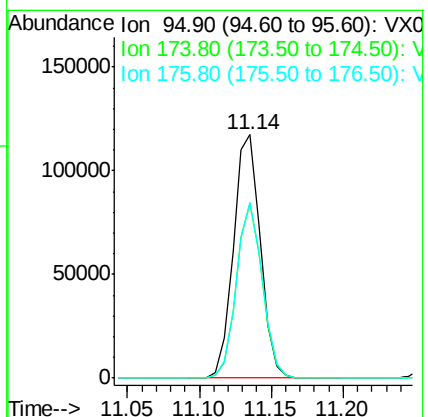
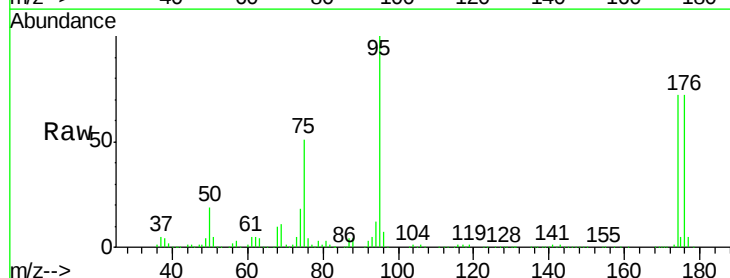
Tgt Ion: 95 Resp: 153355

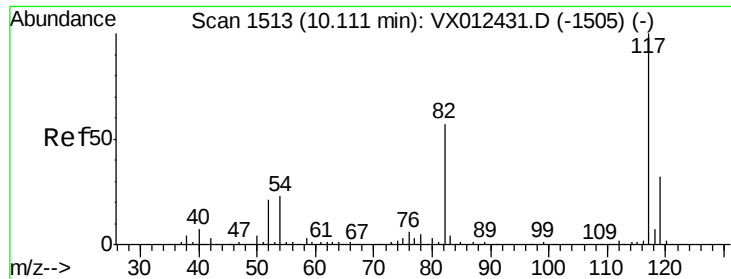
Ion Ratio Lower Upper

95 100

174 69.0 0.0 140.0

176 69.5 0.0 135.4





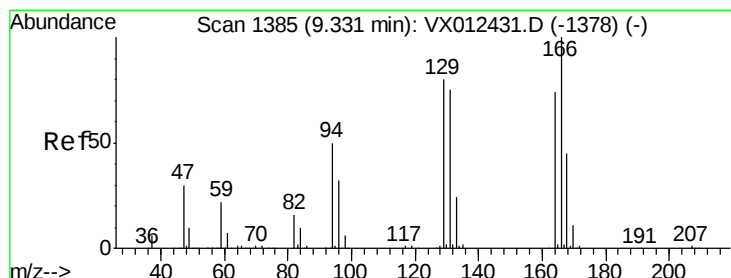
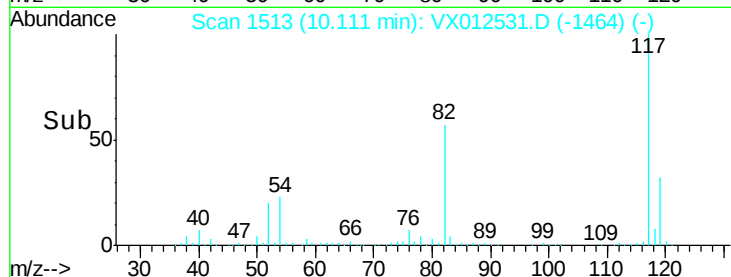
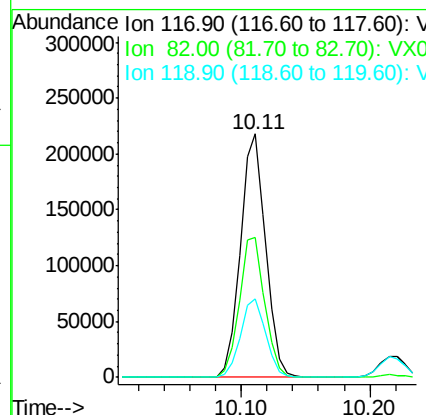
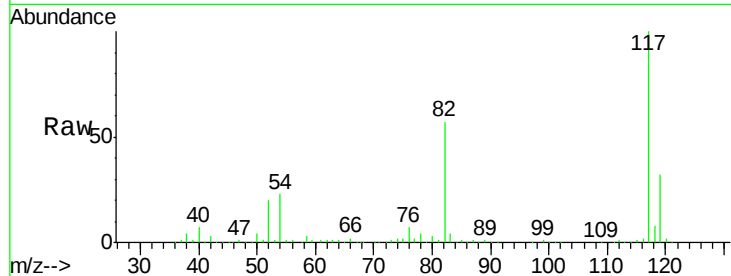
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.9	68.9
119	32.1	25.3	37.9

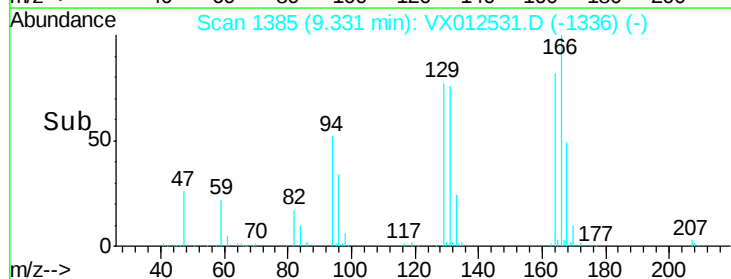
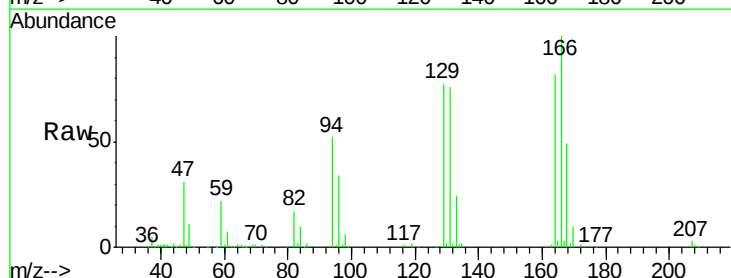
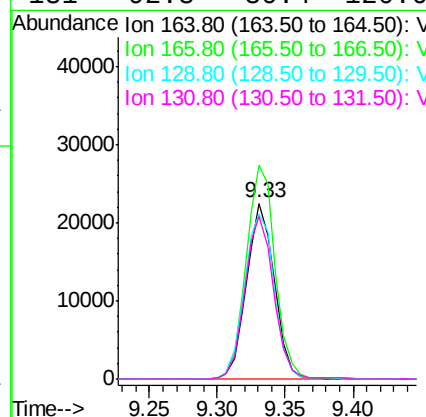
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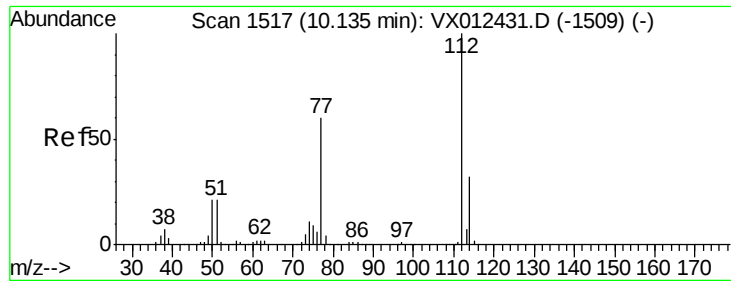
MMDadoda
9/20/2019 10:45:24 AM



#64
Tetrachloroethene
Concen: 23.829 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.7	107.8	161.6
129	94.2	86.2	129.2
131	92.8	80.4	120.6





#65

Chlorobenzene

Concen: 20.198 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion:112 Resp: 98259

Ion Ratio Lower Upper

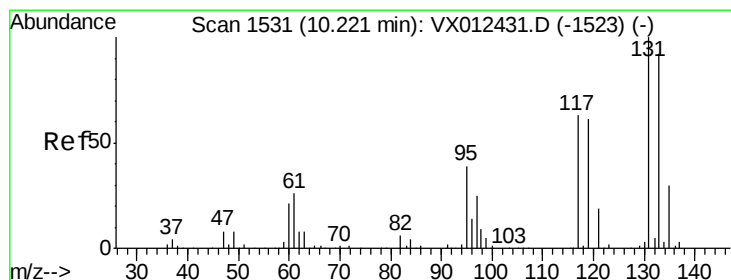
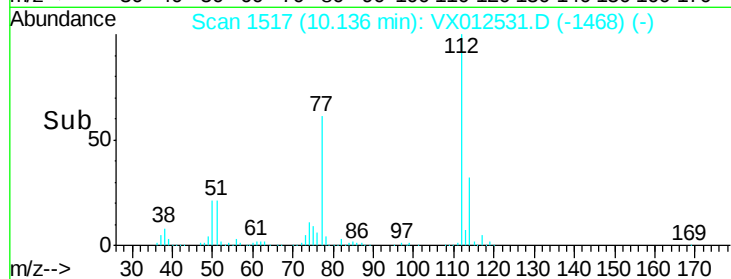
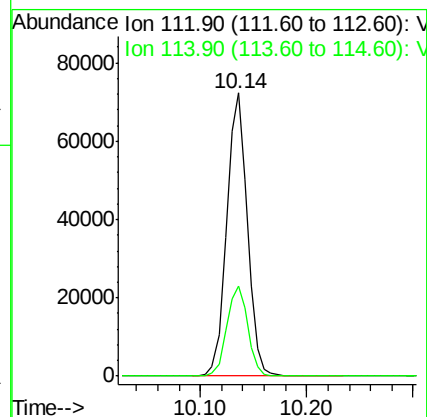
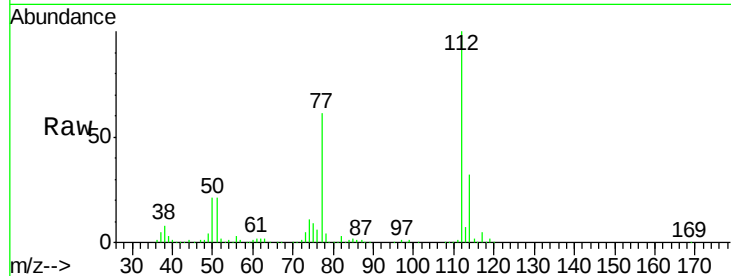
112 100

114 31.9 25.4 38.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.851 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

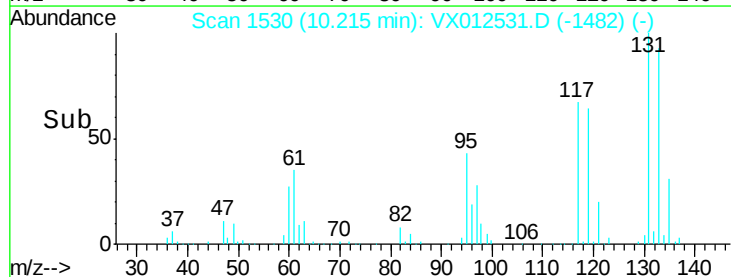
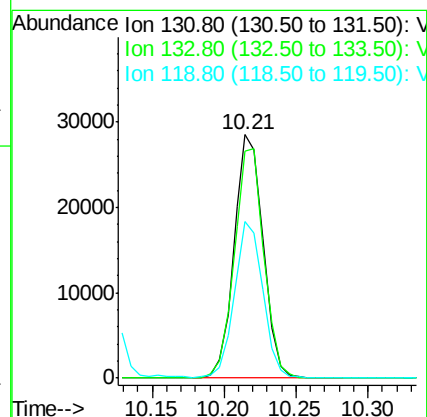
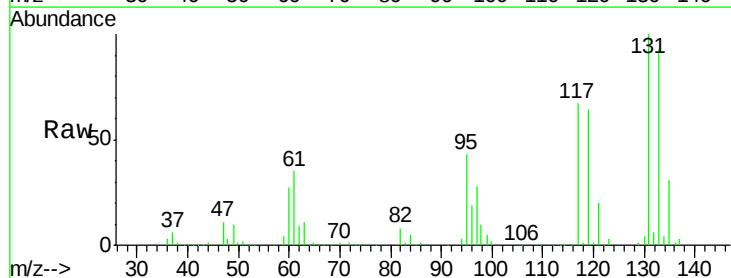
Tgt Ion:131 Resp: 40078

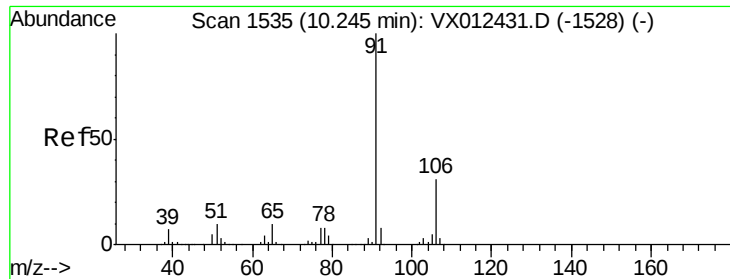
Ion Ratio Lower Upper

131 100

133 96.2 47.6 142.9

119 63.6 31.3 93.8





#67

Ethyl Benzene

Concen: 20.625 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleID :

VX0919MBSD01

Tot Ion: 91 Resp: 172381

Ion Ratio Lower Upper

91 100

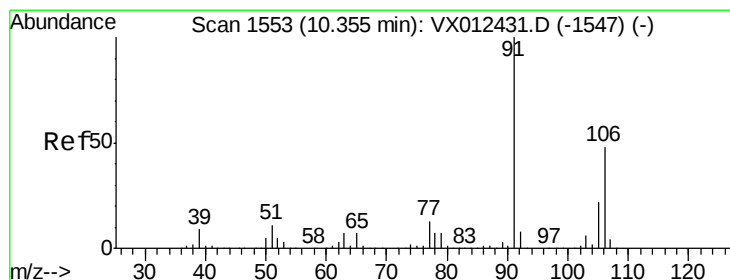
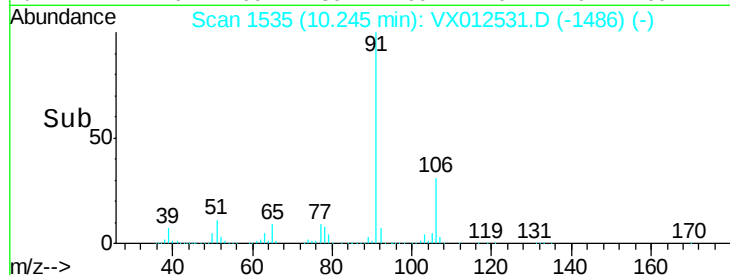
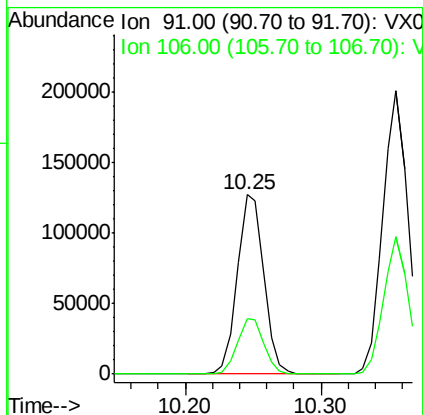
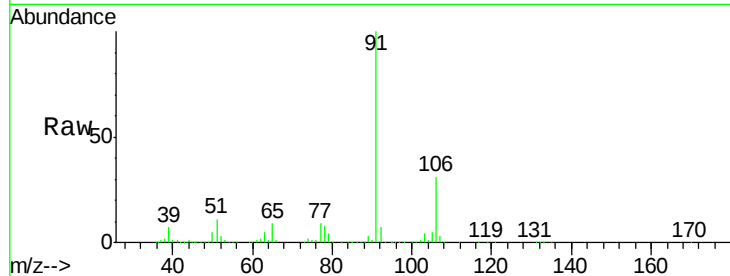
106 30.8 24.6 37.0

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#68

m/p-Xylenes

Concen: 40.564 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012531.D

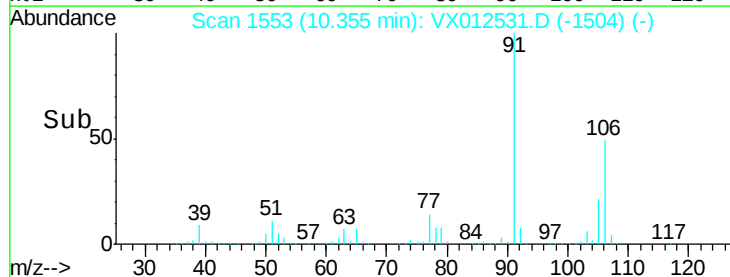
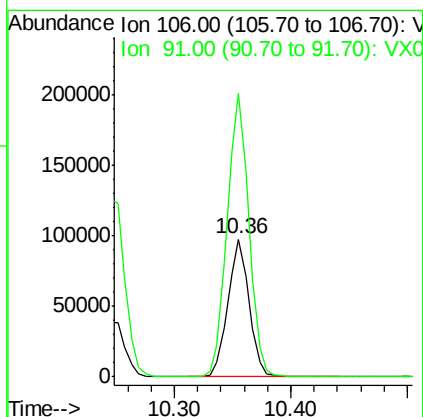
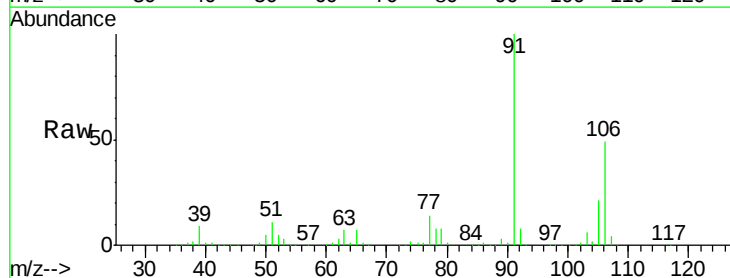
Acq: 19 Sep 2019 16:20

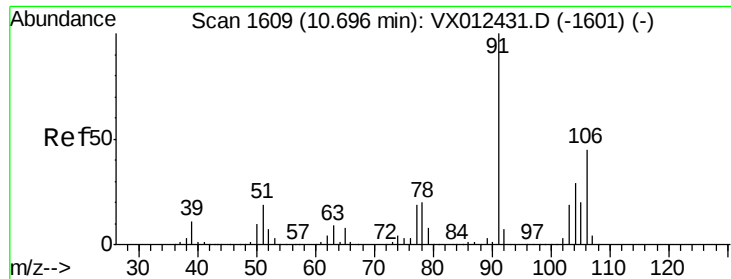
Tgt Ion: 106 Resp: 123354

Ion Ratio Lower Upper

106 100

91 211.1 166.6 250.0





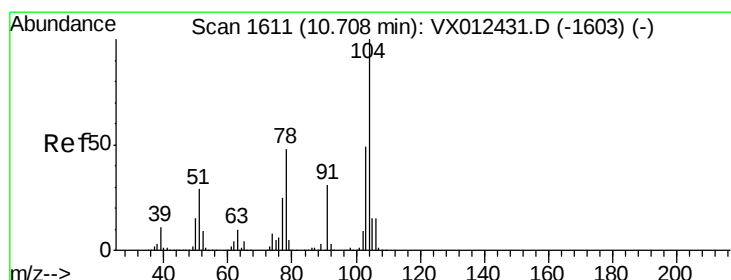
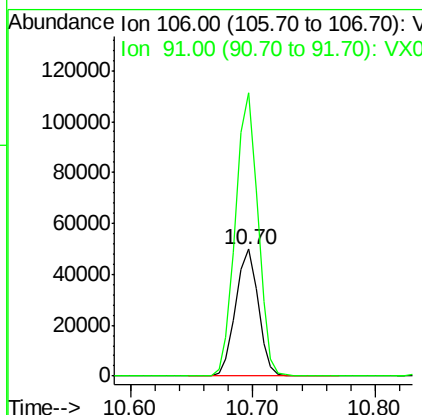
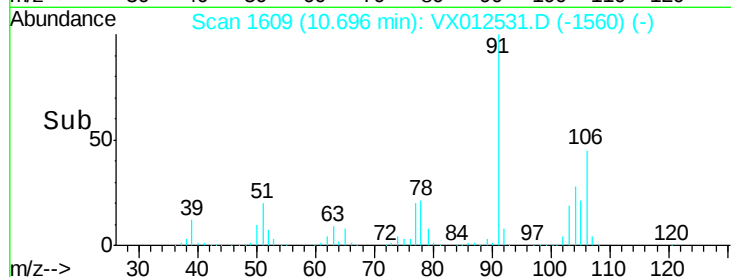
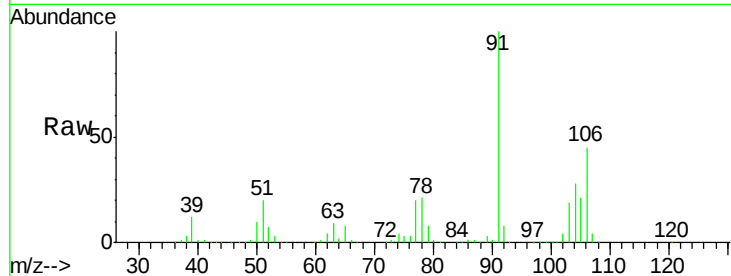
#69
o-Xylene
Concen: 20.364 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion:106 Resp: 63685
Ion Ratio Lower Upper
106 100
91 221.8 109.4 328.2

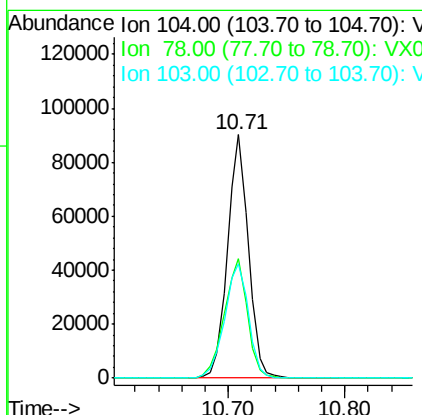
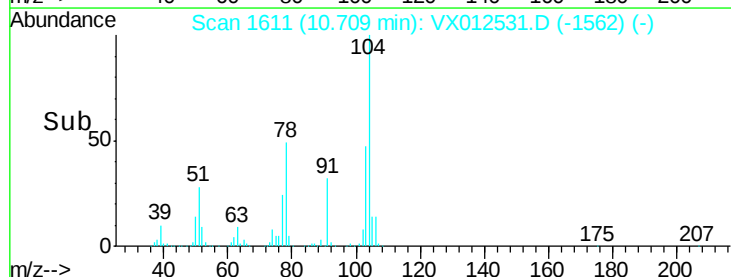
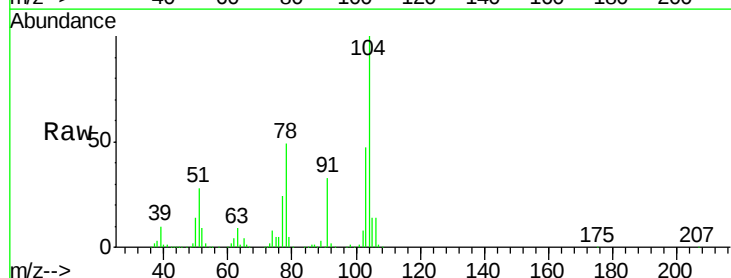
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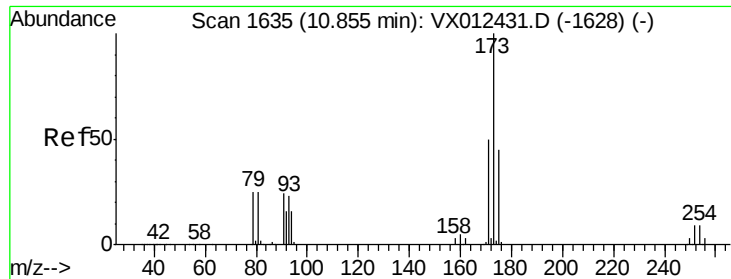
MMDadoda
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#70
Styrene
Concen: 20.341 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion:104 Resp: 112551
Ion Ratio Lower Upper
104 100
78 54.1 43.4 65.2
103 53.4 43.3 64.9





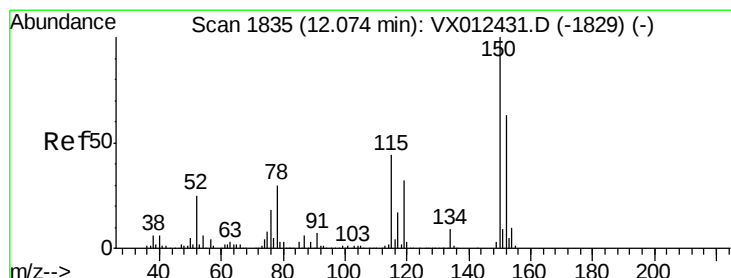
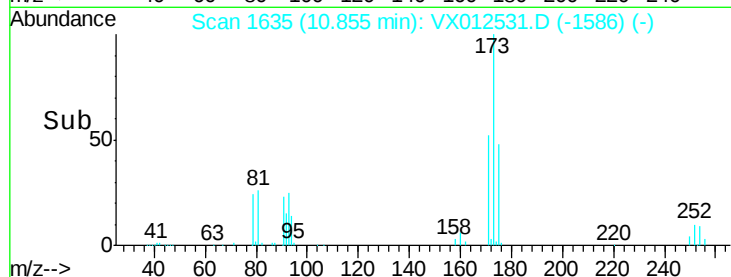
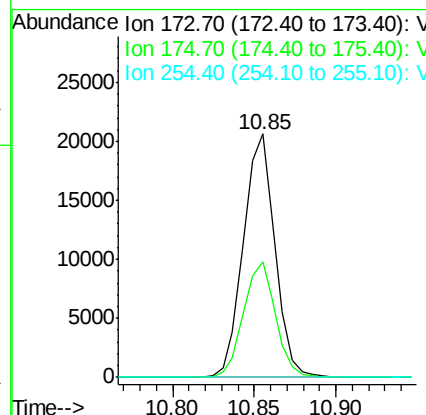
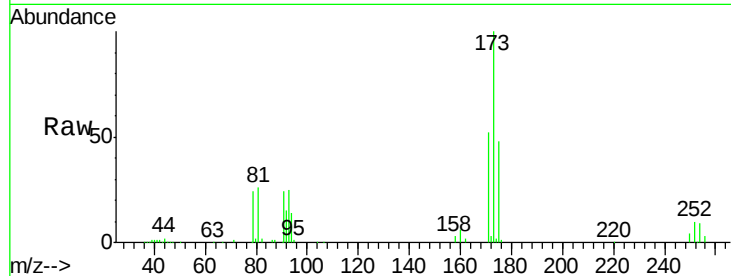
#71
Bromoform
Concen: 17.941 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.7	71.1
254	0.0	0.1	0.1

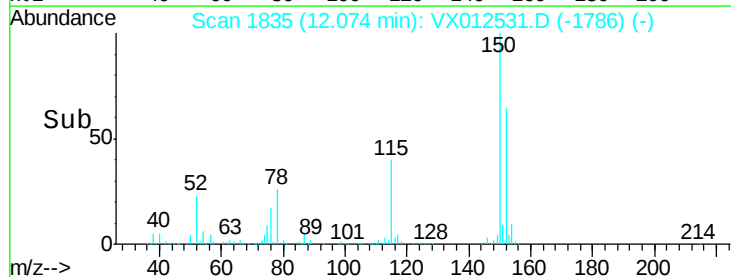
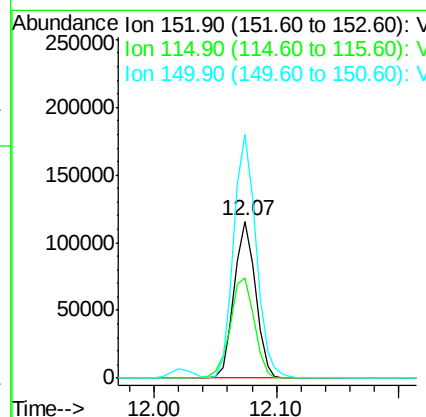
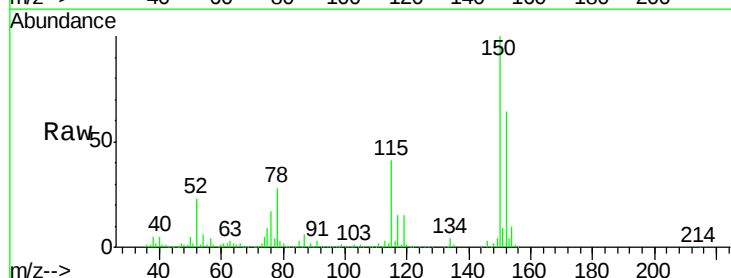
Manual Integrations
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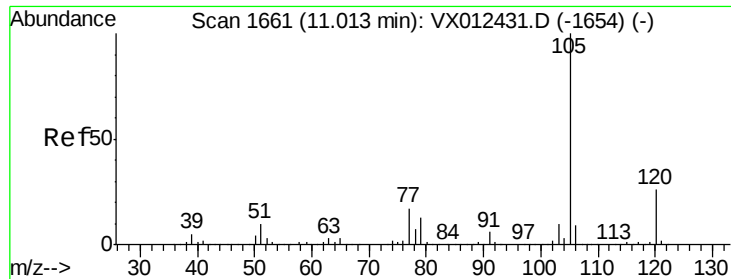
MMDadoda
9/20/2019 10:45:24 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.3	44.1	132.3
150	164.0	0.0	343.8





#73

Isopropylbenzene

Concen: 21.016 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 105 Resp: 182905

Ion Ratio Lower Upper

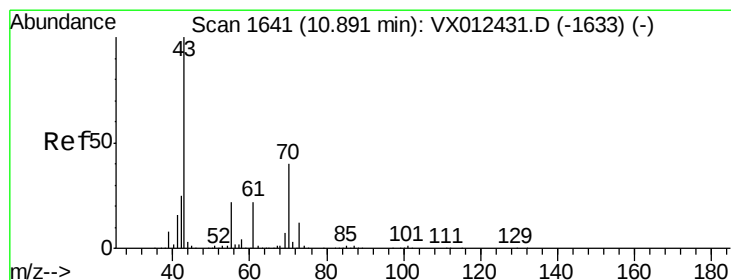
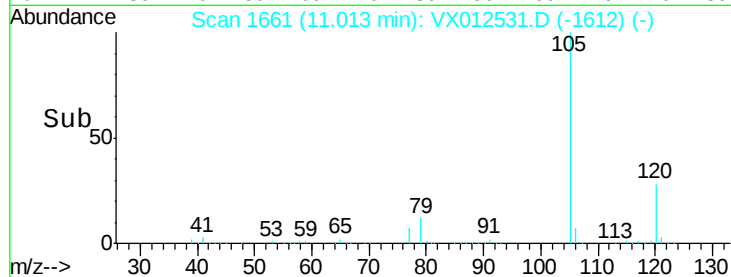
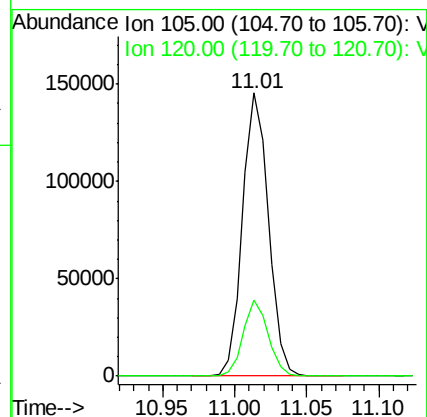
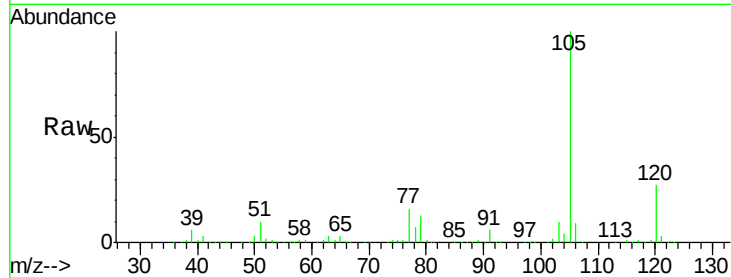
105 100

120 26.0 12.9 38.7

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#74

N-ethyl acetate

Concen: 20.530 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Tgt Ion: 43 Resp: 96196

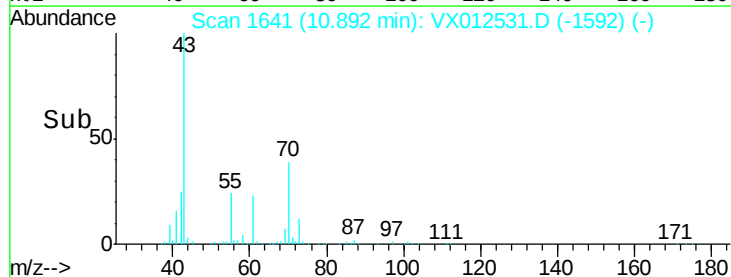
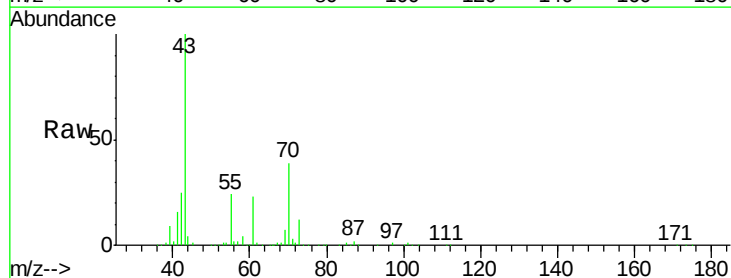
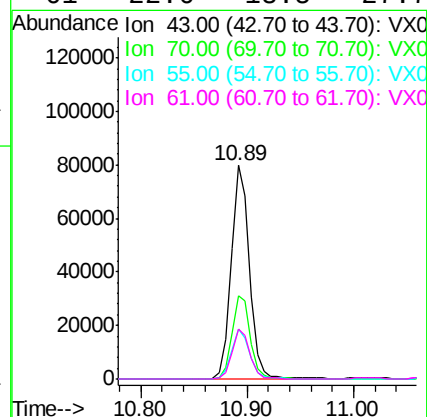
Ion Ratio Lower Upper

43 100

70 39.2 32.4 48.6

55 23.3 18.2 27.4

61 22.6 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.944 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

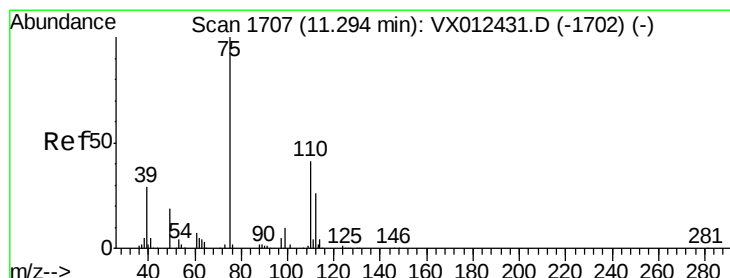
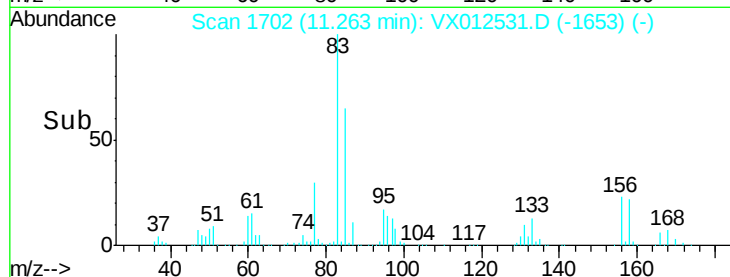
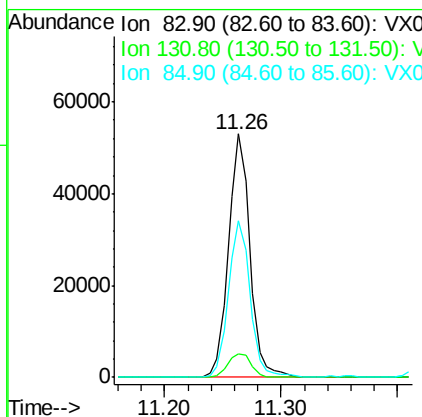
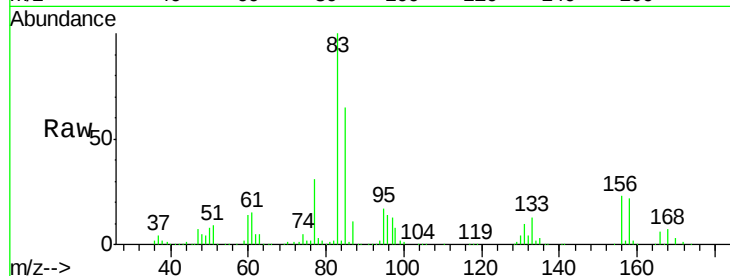
ClientSampleId :

VX0919MBSD01

Tot Ion:	83	Resp:	68090
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.2	15.6
85	65.4	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.834 ug/l m

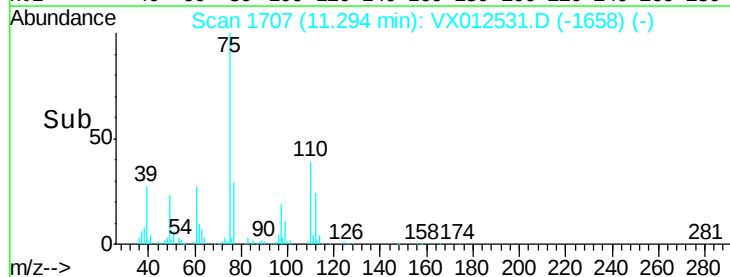
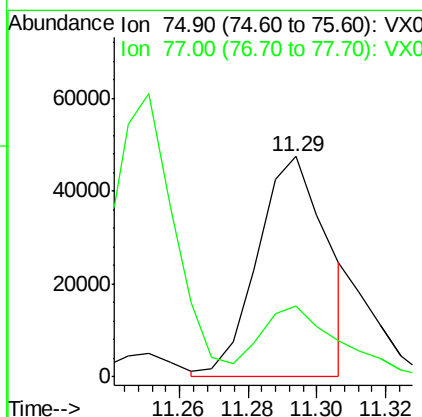
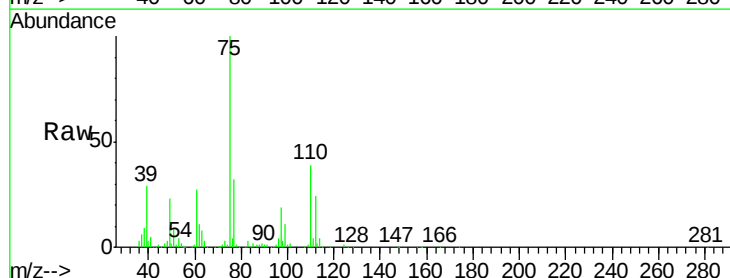
RT: 11.29 min Scan# 1707

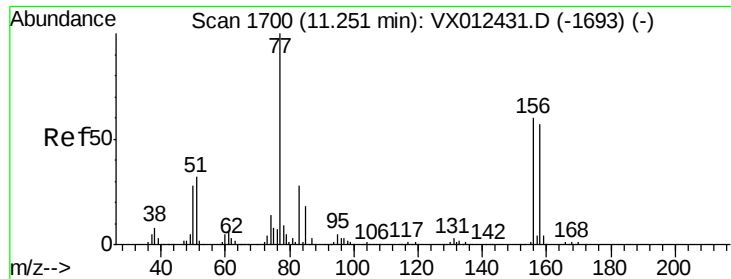
Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Tgt Ion:	75	Resp:	66383
Ion Ratio	Lower	Upper	
75	100		
77	36.4	19.7	59.0





#77

Bromobenzene

Concen: 20.842 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion:156 Resp: 44239

Ion Ratio Lower Upper

156 100

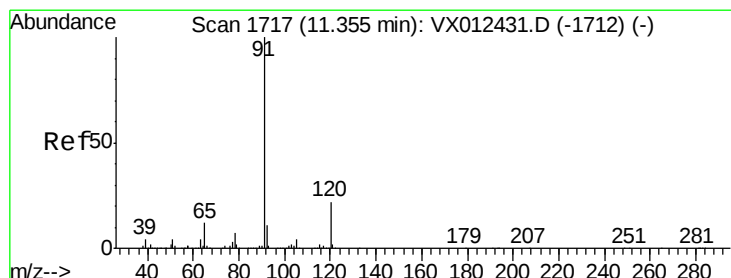
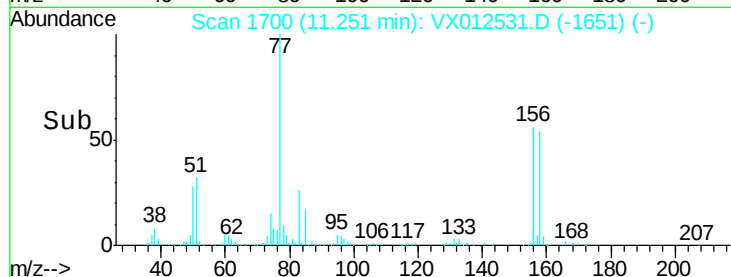
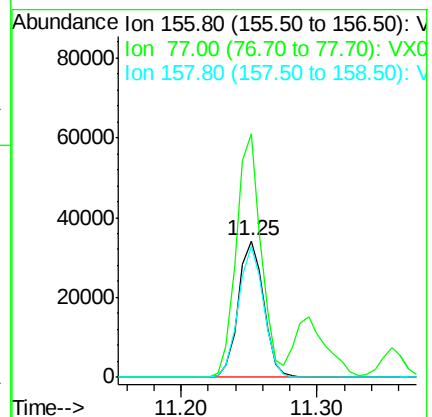
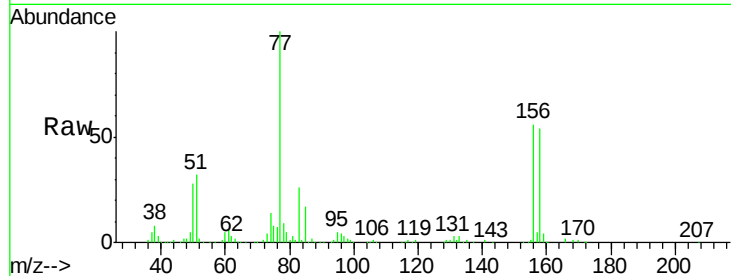
77 175.3 87.3 261.8

158 95.8 48.5 145.6

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#78

n-propylbenzene

Concen: 20.795 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012531.D

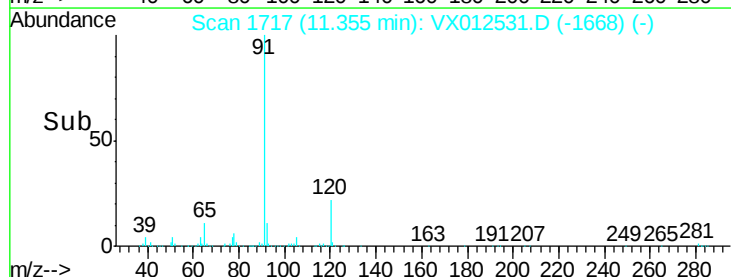
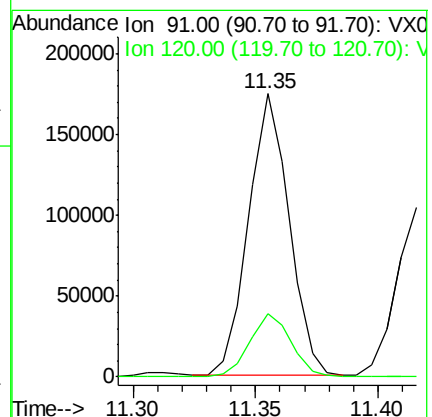
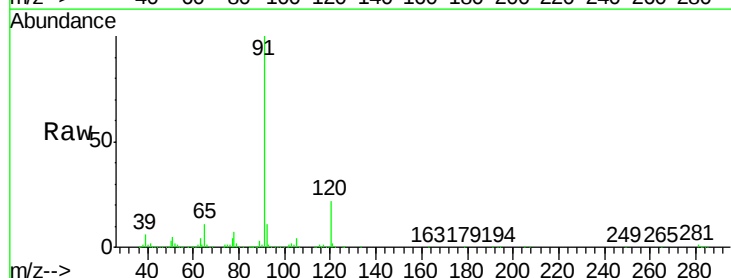
Acq: 19 Sep 2019 16:20

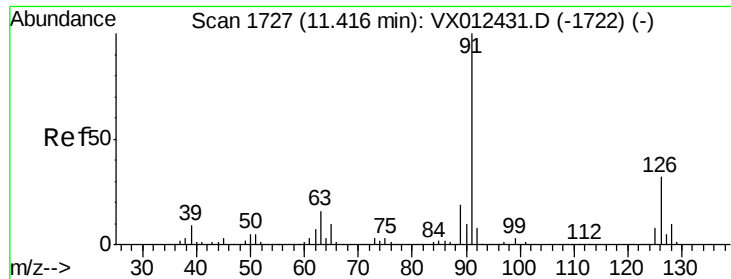
Tgt Ion: 91 Resp: 201719

Ion Ratio Lower Upper

91 100

120 22.8 11.3 33.8





#79

2-Chlorotoluene

Concen: 20.143 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 91 Resp: 127110

Ion Ratio Lower Upper

91 100

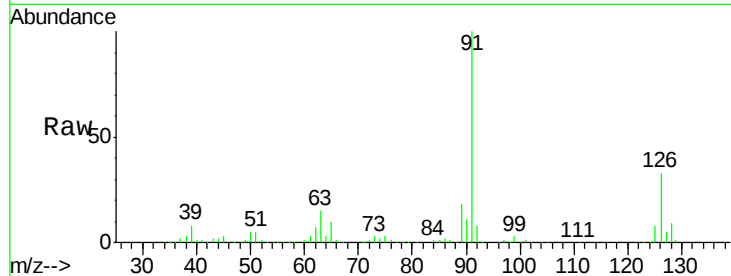
126 33.4 16.4 49.4

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Abundance Ion 91.00 (90.70 to 91.70): VX012531.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012531.D (-1722) (-)

200000

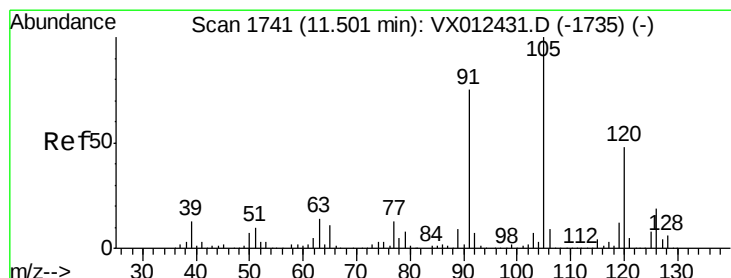
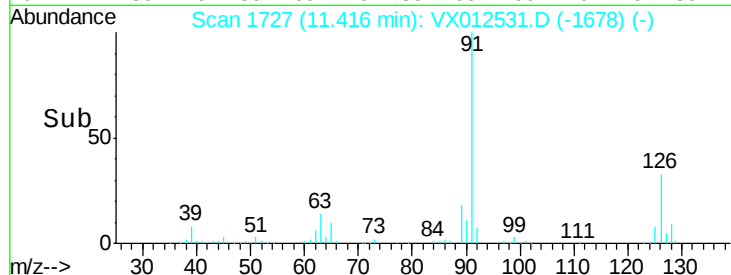
150000

100000

50000

0

Time--> 11.35 11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 20.762 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012531.D

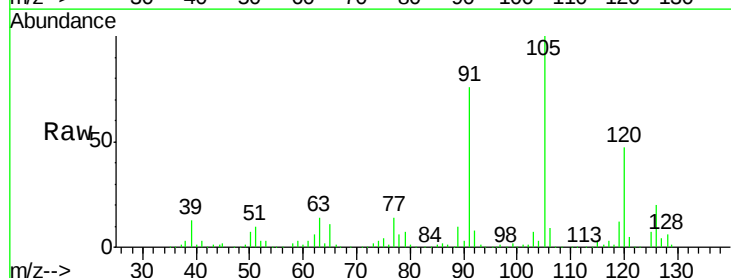
Acq: 19 Sep 2019 16:20

Tgt Ion: 105 Resp: 154106

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX012531.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX012531.D (-1692) (-)

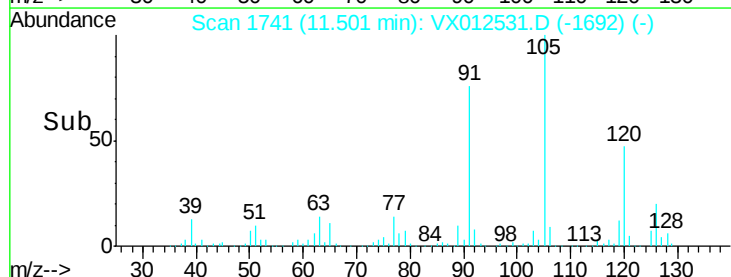
150000

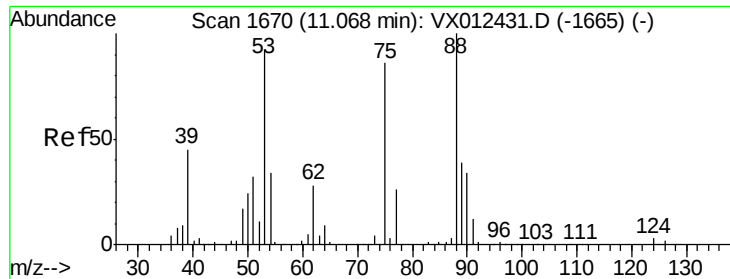
100000

50000

0

Time--> 11.50 11.60





#81

trans-1,4-Dichloro-2-butene

Concen: 18.665 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion: 75 Resp: 19262

Ion Ratio Lower Upper

75 100

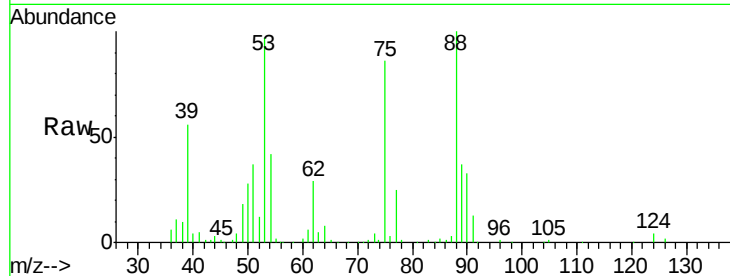
53 113.2 83.6 125.4

89 44.2 36.3 54.5

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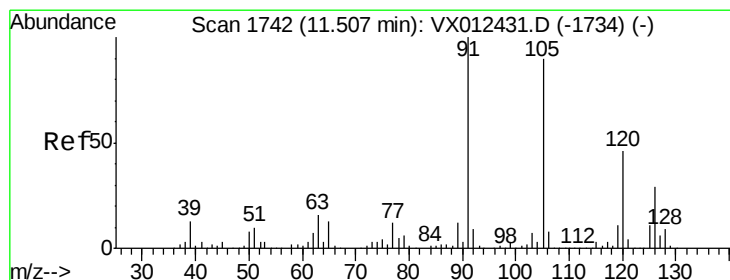
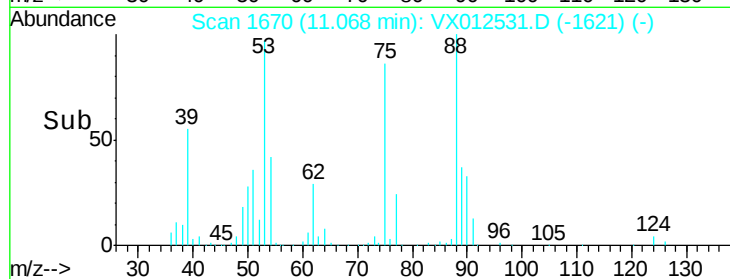
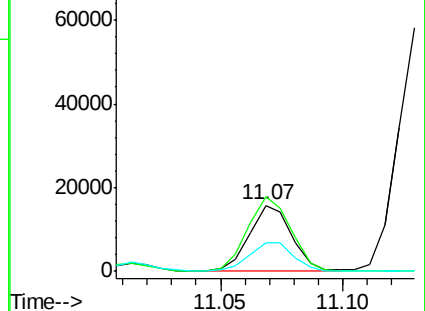
9/20/2019 10:45:24 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.606 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012531.D

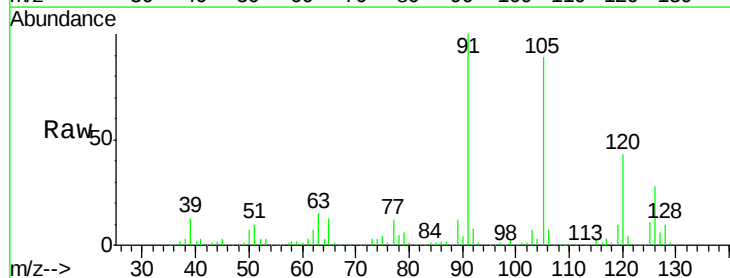
Acq: 19 Sep 2019 16:20

Tgt Ion: 91 Resp: 149237

Ion Ratio Lower Upper

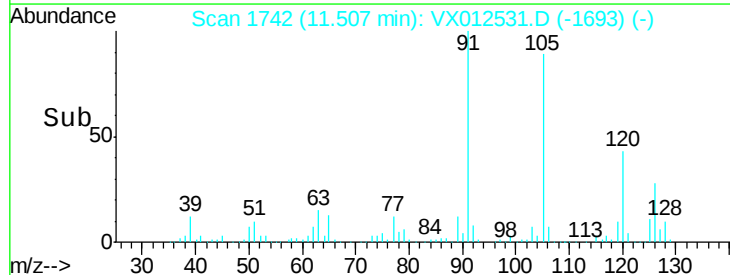
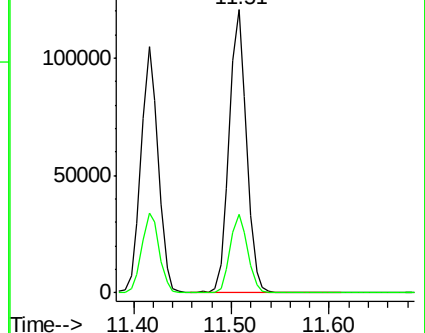
91 100

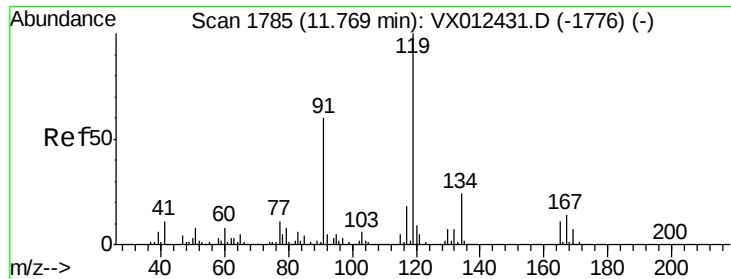
126 27.8 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.674 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

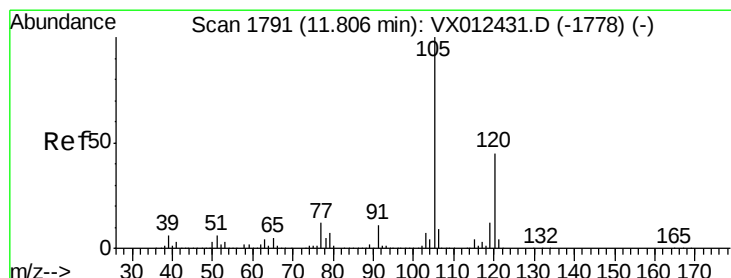
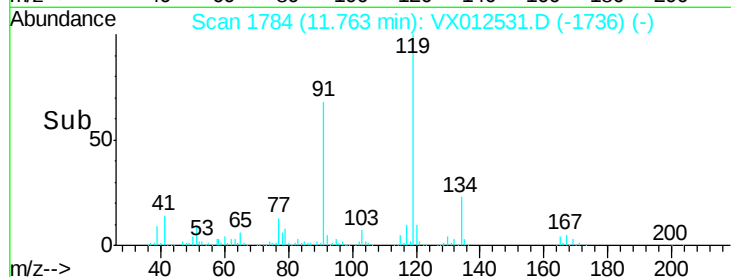
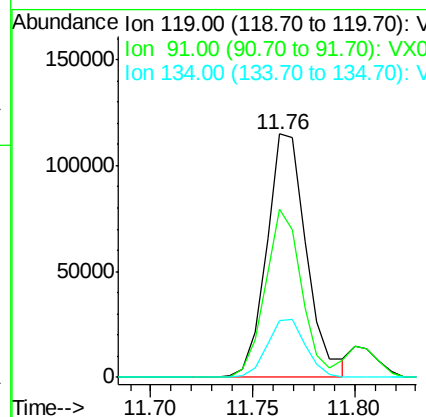
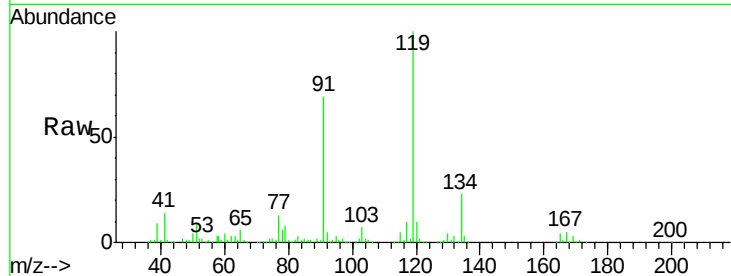
ClientSampleId :

VX0919MBS01

Tot Ion:	119	Resp:	156481
Ion Ratio	Lower	Upper	
119	100		
91	62.6	30.0	90.0
134	23.1	11.3	33.9

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#84

1,2,4-Trimethylbenzene

Concen: 20.501 ug/l

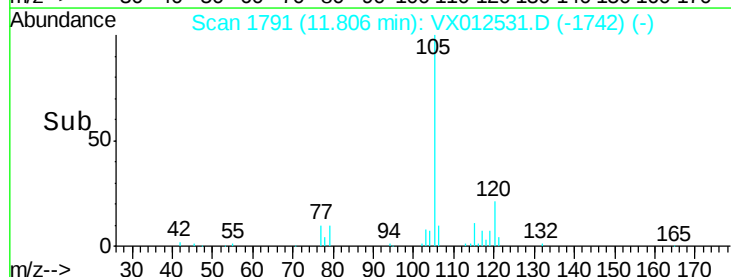
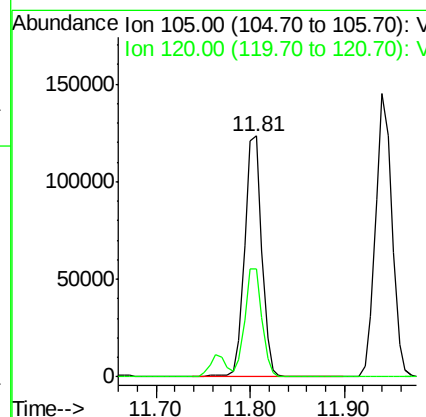
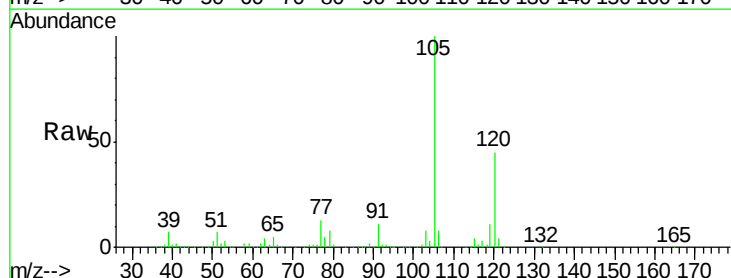
RT: 11.81 min Scan# 1791

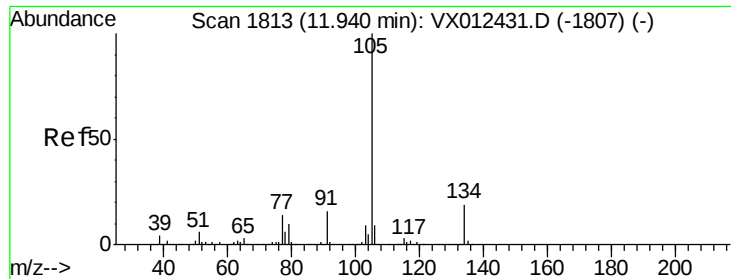
Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Tgt Ion:	105	Resp:	156242
Ion Ratio	Lower	Upper	
105	100		
120	44.5	22.2	66.6





#85

sec-Butylbenzene

Concen: 20.096 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBSD01

Tot Ion:105 Resp: 176126

Ion Ratio Lower Upper

105 100

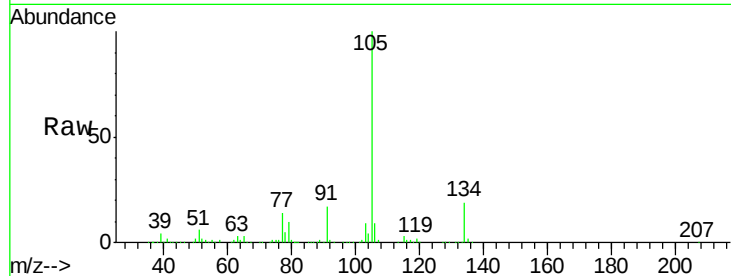
134 20.0 9.8 29.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

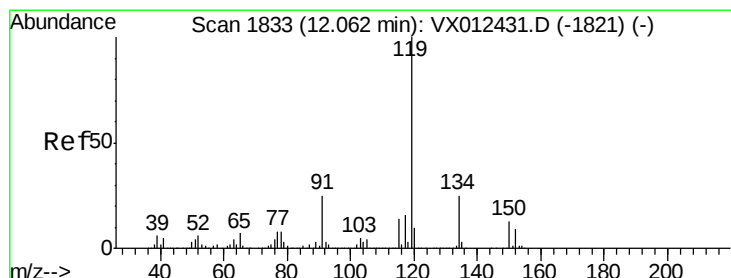
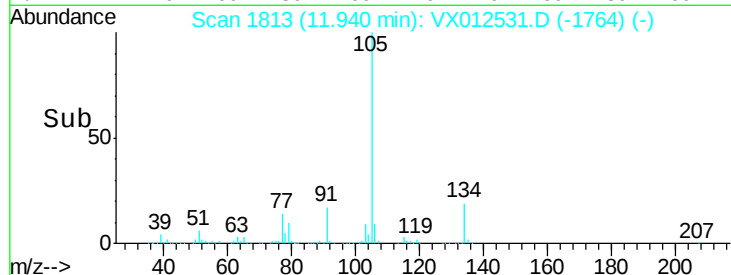
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.205 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012531.D

Acq: 19 Sep 2019 16:20

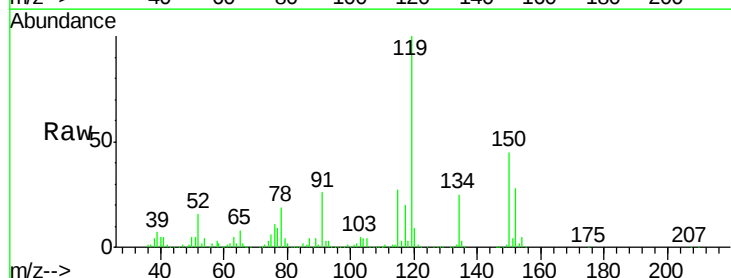
Tgt Ion:119 Resp: 162607

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 26.0 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): VX0

12.06

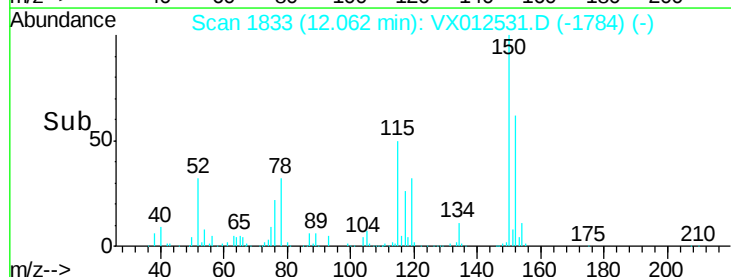
150000

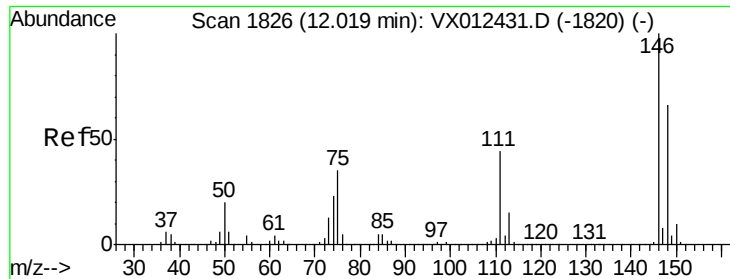
100000

50000

0

Time-->





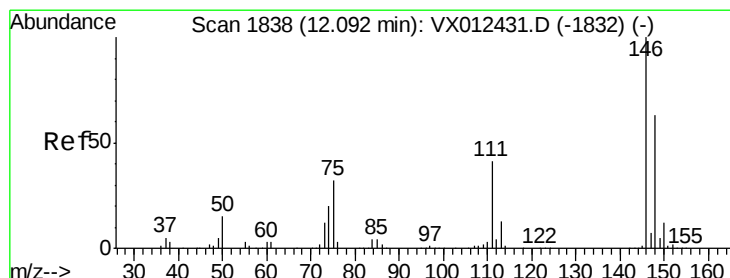
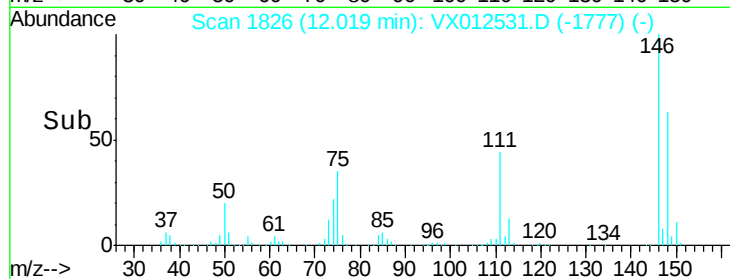
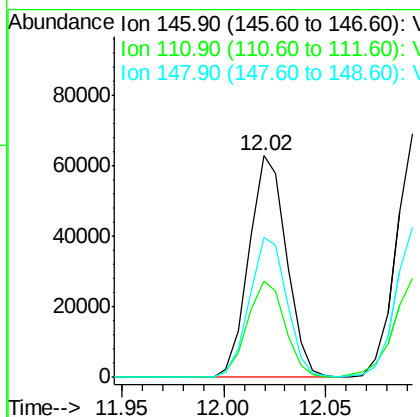
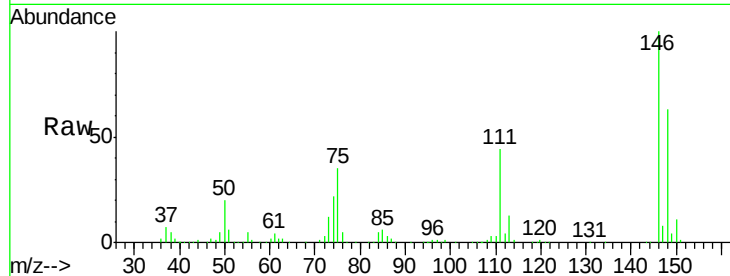
#87
 1,3-Dichlorobenzene
 Concen: 20.174 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.3	64.0
148	63.0	32.4	97.2

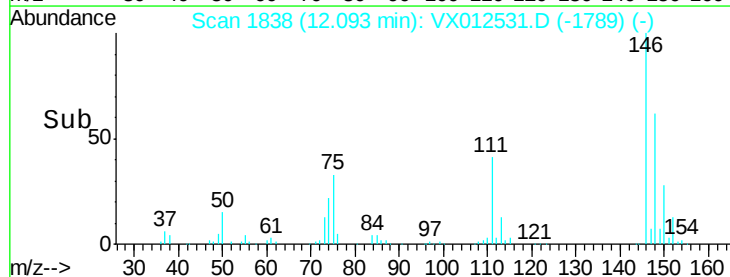
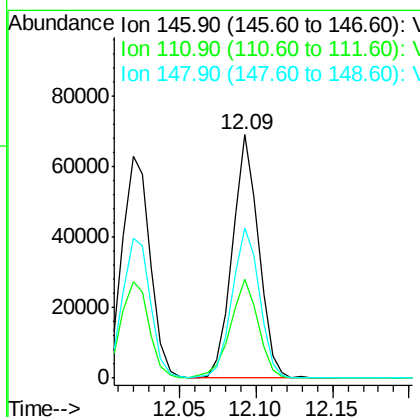
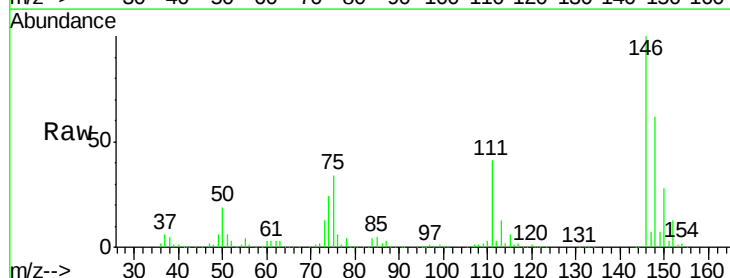
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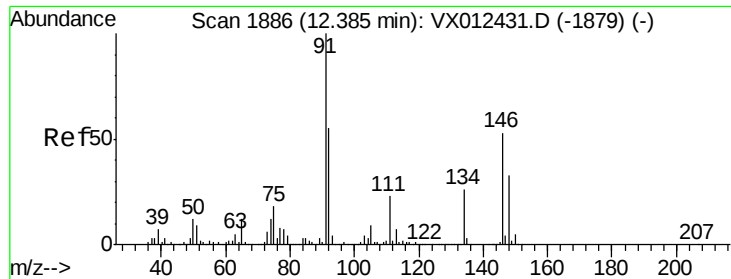
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#88
 1,4-Dichlorobenzene
 Concen: 20.061 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.3
148	64.4	32.1	96.5





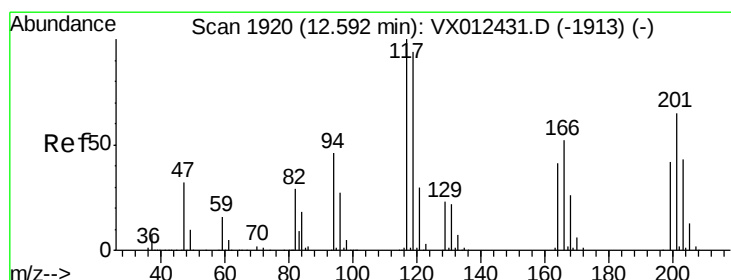
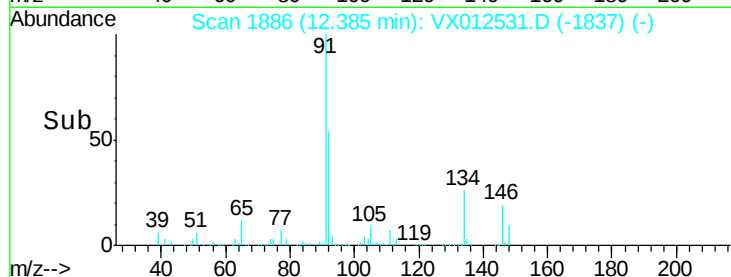
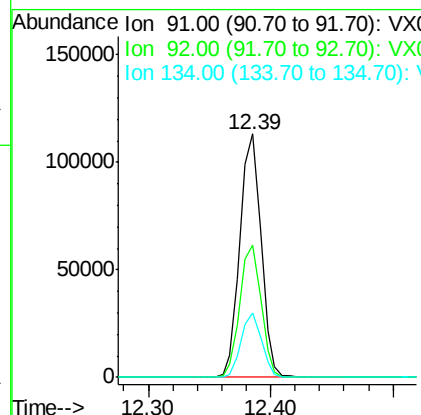
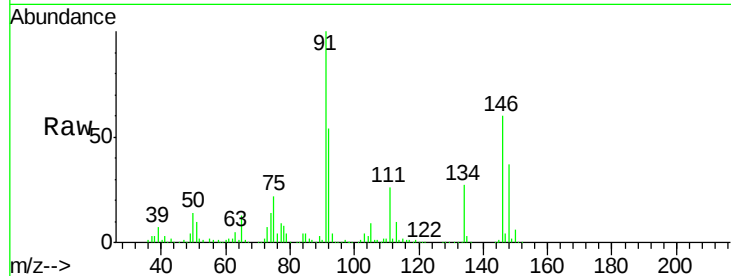
#89
n-Butylbenzene
Concen: 18.822 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.8	27.7	83.0	
134	25.9	12.9	38.6	

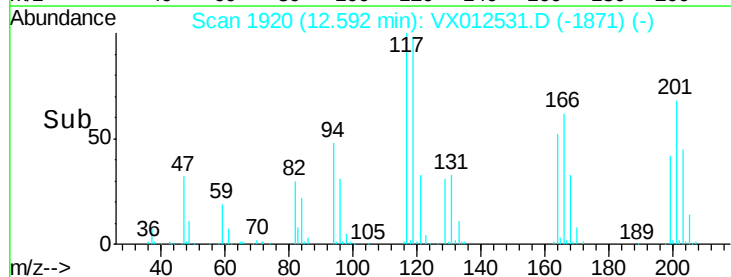
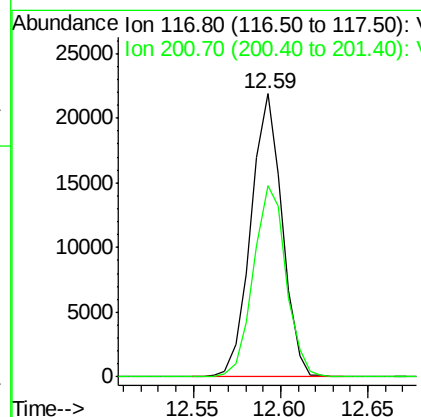
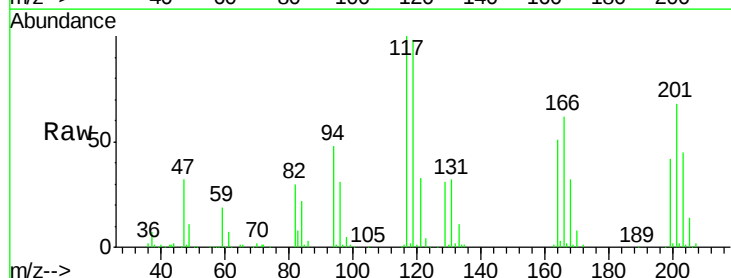
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#90
Hexachloroethane
Concen: 18.360 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	70.7	33.3	99.8	





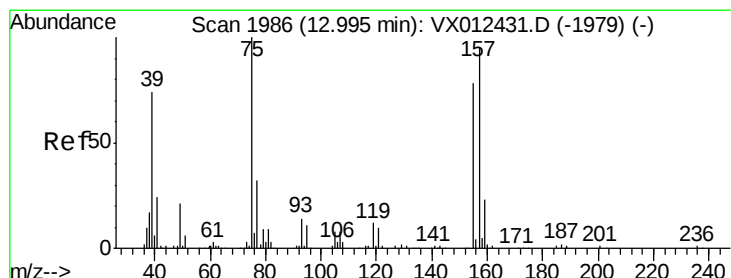
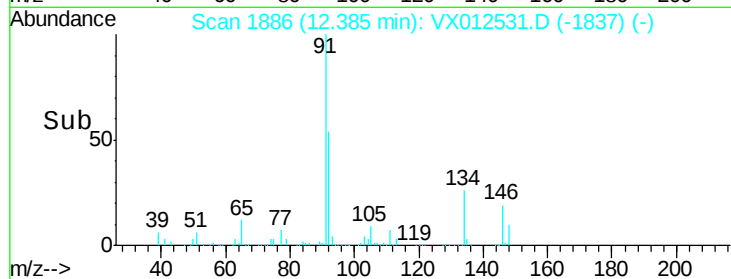
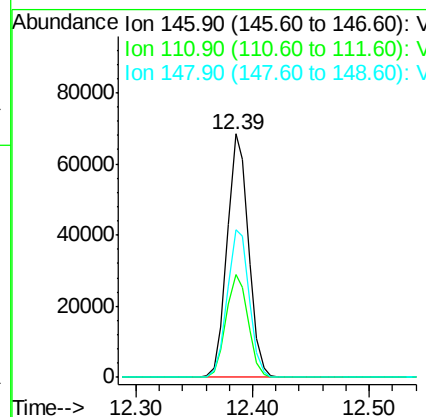
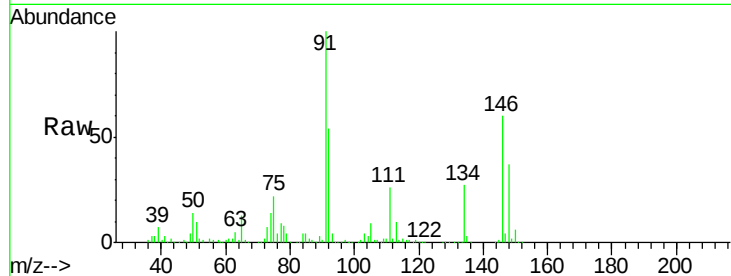
#91
 1,2-Dichlorobenzene
 Concen: 20.719 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.1	66.1
148	62.1	31.3	93.9

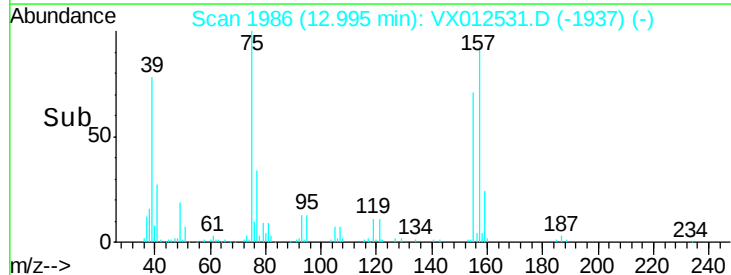
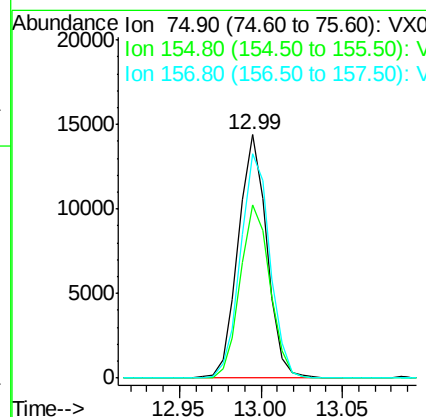
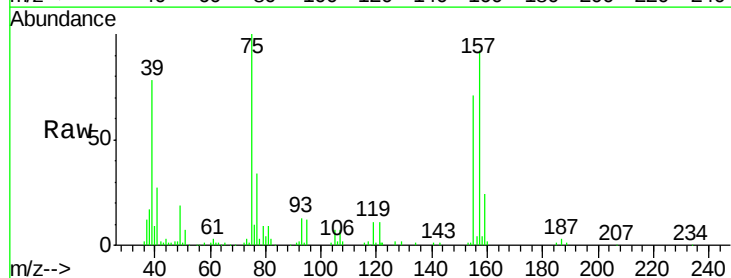
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.860 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	38.6	115.8
157	94.9	50.6	151.9





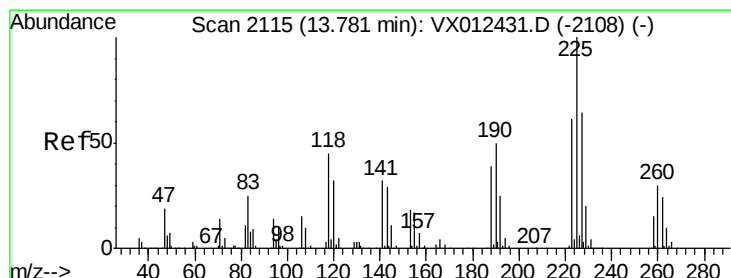
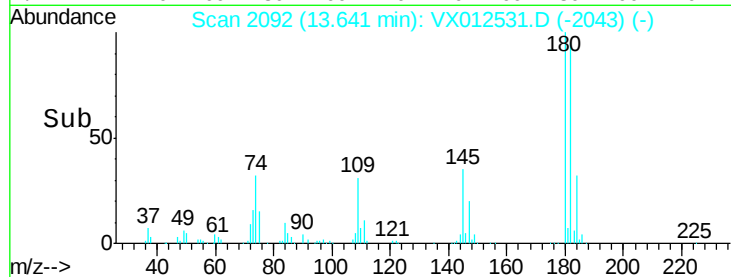
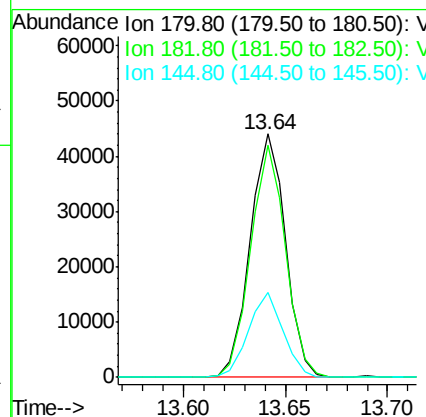
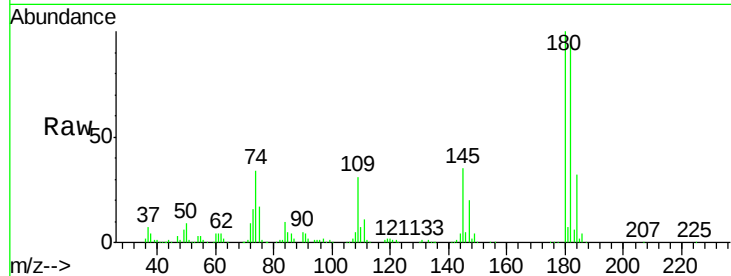
#93
 1,2,4-Trichlorobenzene
 Concen: 19.794 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	53205		
182	94.1	47.0	141.0	
145	33.9	16.8	50.4	

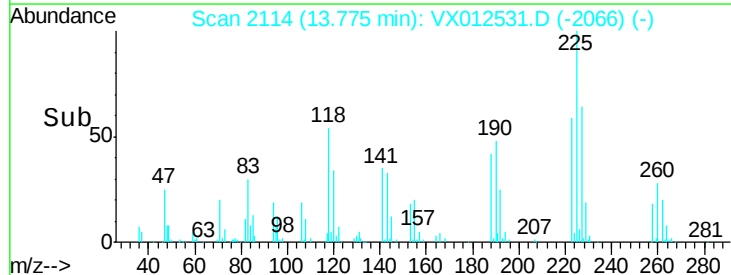
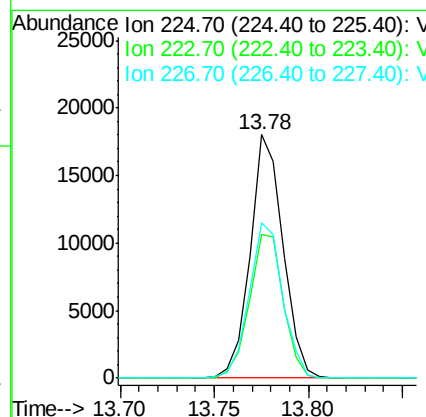
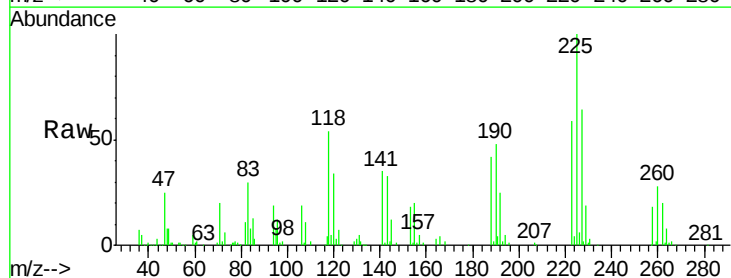
Manual Integrations
 APPROVED

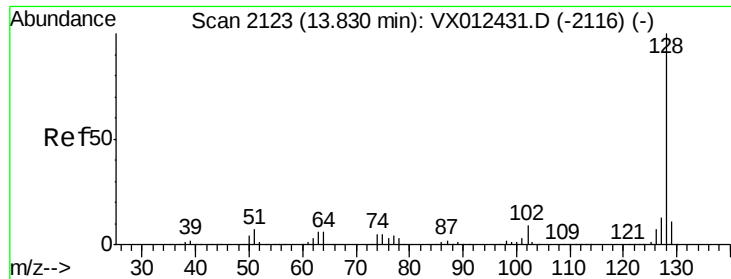
MMDadoda
 9/20/2019 10:45:24 AM



#94
 Hexachlorobutadiene
 Concen: 17.138 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012531.D
 Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21712		
223	61.1	32.0	96.2	
227	65.2	31.9	95.5	





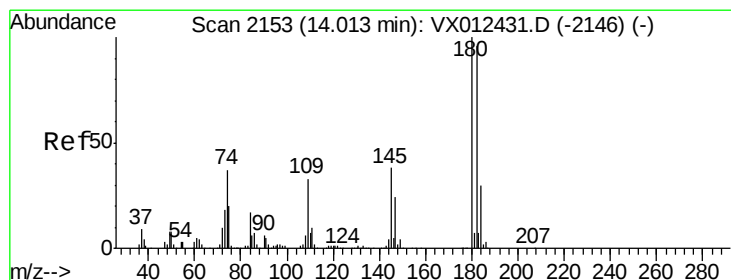
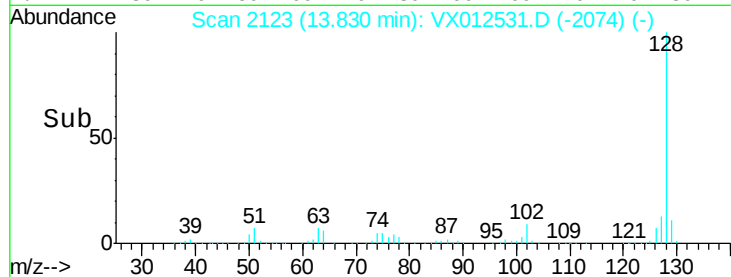
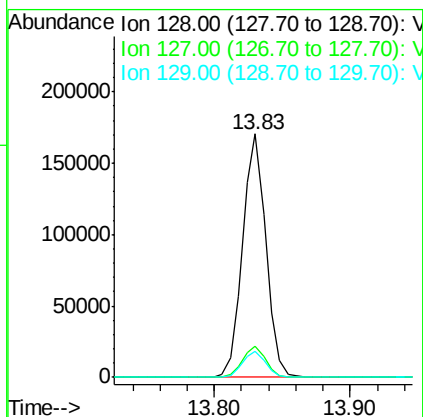
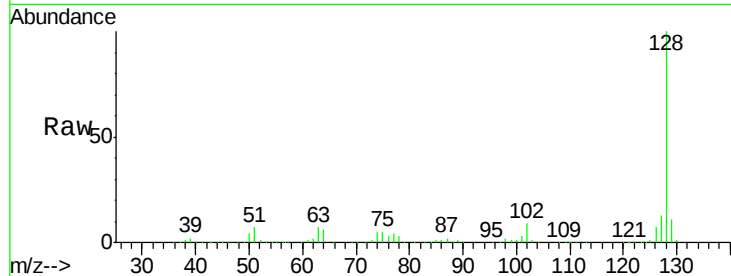
#95
Naphthalene
Concen: 21.200 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/20/2019 10:45:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.569 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012531.D
Acq: 19 Sep 2019 16:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	35.1	18.0	54.0

