

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090619\
 Data File : VX012150.D
 Acq On : 06 Sep 2019 16:09
 Operator : SY/SP
 Sample : VX0906SBSD01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 10:50:09 AM

Quant Time: Sep 07 01:35:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	118616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	219153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	203418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97777	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	92089	56.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.54%	
35) Dibromofluoromethane	5.48	113	70649	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	8.71	98	261585	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	11.14	95	115044	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	20106	18.381	ug/l	100
3) Chloromethane	1.31	50	20884	18.643	ug/l	98
4) Vinyl Chloride	1.40	62	19474	18.477	ug/l	100
5) Bromomethane	1.62	94	10257	19.618	ug/l	96
6) Chloroethane	1.70	64	12484	19.054	ug/l	99
7) Trichlorofluoromethane	1.91	101	31552	19.274	ug/l	98
8) Diethyl Ether	2.17	74	11666	20.622	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22630	18.664	ug/l #	84
10) Methyl Iodide	2.50	142	9783	13.844	ug/l	90
11) Tert butyl alcohol	3.04	59	16848	107.174	ug/l	95
12) 1,1-Dichloroethene	2.36	96	21039	18.013	ug/l	89
13) Acrolein	2.28	56	6030	138.660	ug/l	86
14) Allyl chloride	2.71	41	39436	18.660	ug/l	96
15) Acrylonitrile	3.13	53	37030	104.170	ug/l	98
16) Acetone	2.43	43	35591	90.979	ug/l	95
17) Carbon Disulfide	2.56	76	51291	15.026	ug/l	100
18) Methyl Acetate	2.76	43	20455	22.196	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	76978	20.244	ug/l	98
20) Methylene Chloride	2.84	84	30343	19.316	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	25075	18.294	ug/l	89
22) Diisopropyl ether	3.84	45	87278	20.261	ug/l	96
23) Vinyl Acetate	3.80	43	279820	100.414	ug/l	98
24) 1,1-Dichloroethane	3.69	63	48269	19.320	ug/l	99
25) 2-Butanone	4.66	43	51252	102.923	ug/l	93
26) 2,2-Dichloropropane	4.56	77	42708	18.515	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	30075	18.719	ug/l	90
28) Bromochloromethane	5.00	49	21216	21.273	ug/l #	81
29) Tetrahydrofuran	5.11	42	32196	107.311	ug/l	98
30) Chloroform	5.19	83	52813	19.700	ug/l	98
31) Cyclohexane	5.56	56	35814	17.849	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	45390	19.440	ug/l	96
36) 1,1-Dichloropropene	5.78	75	35222	18.248	ug/l	95
37) Ethyl Acetate	4.82	43	21472	20.457	ug/l	98
38) Carbon Tetrachloride	5.77	117	37822	18.596	ug/l	96

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Manual Integrations
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MMDadoda
 9/9/2019 10:50:09 AM

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	37584	16.777	ug/l	94
40) Benzene	6.13	78	101841	18.379	ug/l	98
41) Methacrylonitrile	5.03	41	12695	20.281	ug/l	95
42) 1,2-Dichloroethane	6.18	62	40966	20.544	ug/l	97
43) Isopropyl Acetate	6.43	43	43750	20.499	ug/l	98
44) Trichloroethene	7.20	130	27328	18.285	ug/l	85
45) 1,2-Dichloropropane	7.51	63	28010	19.565	ug/l	99
46) Dibromomethane	7.65	93	16391	19.613	ug/l #	72
47) Bromodichloromethane	7.89	83	40245	18.945	ug/l	96
48) Methyl methacrylate	7.76	41	21451	19.990	ug/l	96
49) 1,4-Dioxane	7.73	88	6227	425.670	ug/l #	93
51) 4-Methyl-2-Pentanone	8.64	43	113567	104.617	ug/l	98
52) Toluene	8.78	92	67352	18.681	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	39559	17.987	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	46091	18.846	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	23282	19.486	ug/l	95
56) Ethyl methacrylate	9.17	69	32895	19.221	ug/l	93
57) 1,3-Dichloropropane	9.37	76	41158	19.962	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	78782	102.104	ug/l	94
59) 2-Hexanone	9.49	43	80544	101.684	ug/l	97
60) Dibromochloromethane	9.57	129	27204	19.104	ug/l	100
61) 1,2-Dibromoethane	9.67	107	22498	19.486	ug/l	98
64) Tetrachloroethene	9.33	164	24186	19.071	ug/l #	82
65) Chlorobenzene	10.14	112	74340	18.522	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	27820	18.957	ug/l	98
67) Ethyl Benzene	10.25	91	133888	18.301	ug/l	97
68) m/p-Xylenes	10.35	106	97631	36.220	ug/l	87
69) o-Xylene	10.70	106	47699	18.249	ug/l	90
70) Styrene	10.71	104	85077	18.740	ug/l	94
71) Bromoform	10.85	173	14759	18.310	ug/l #	97
73) Isopropylbenzene	11.01	105	131343	18.308	ug/l	97
74) N-amyl acetate	10.89	43	41335	19.487	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	28954	19.359	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	22824m	19.105	ug/l	
77) Bromobenzene	11.25	156	30389	18.940	ug/l	69
78) n-propylbenzene	11.35	91	160784	18.551	ug/l	93
79) 2-Chlorotoluene	11.42	91	97860	18.637	ug/l	89
80) 1,3,5-Trimethylbenzene	11.50	105	115084	18.305	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	8527	16.874	ug/l	91
82) 4-Chlorotoluene	11.51	91	117283	18.740	ug/l	91
83) tert-Butylbenzene	11.76	119	114356	19.084	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	120181	18.599	ug/l	94
85) sec-Butylbenzene	11.94	105	138620	18.625	ug/l	94
86) p-Isopropyltoluene	12.06	119	122737	18.133	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	61990	19.281	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	60361	18.776	ug/l	92
89) n-Butylbenzene	12.38	91	120105	18.266	ug/l	96
90) Hexachloroethane	12.59	117	23825	17.629	ug/l	55
91) 1,2-Dichlorobenzene	12.38	146	56345	19.459	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6042	19.305	ug/l	60

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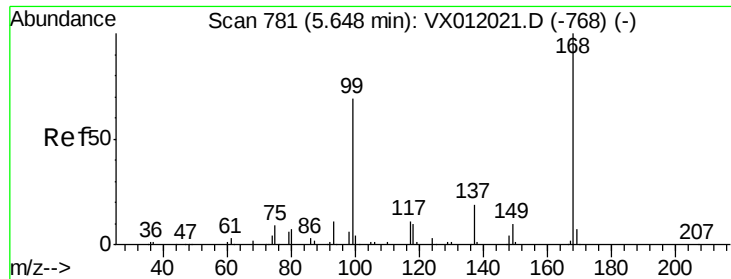
Manual Integrations
APPROVED

MMDadoda
9/9/2019 10:50:09 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	35440	17.196	ug/l	95
94) Hexachlorobutadiene	13.77	225	18398	17.709	ug/l	98
95) Naphthalene	13.83	128	81212	18.207	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	31974	17.634	ug/l	94

(#) = 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: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBSD01

Tot Ion:168 Resp: 118616

Ion Ratio Lower Upper

168 100

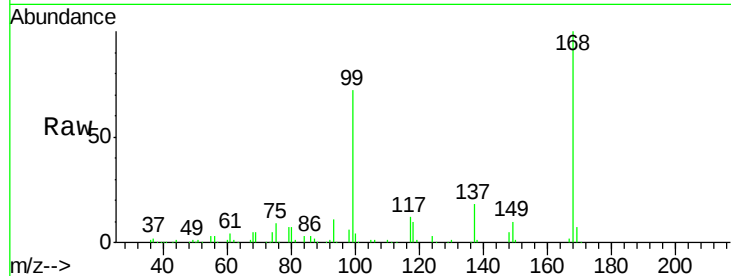
99 72.1 37.6 56.4#

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

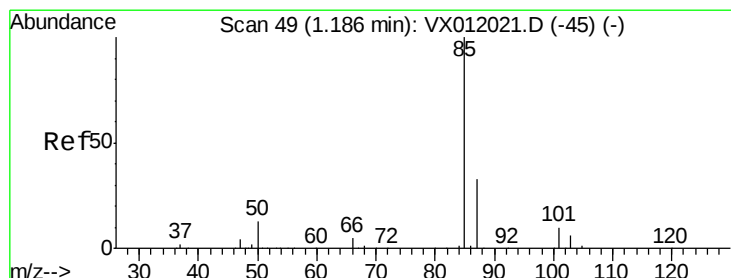
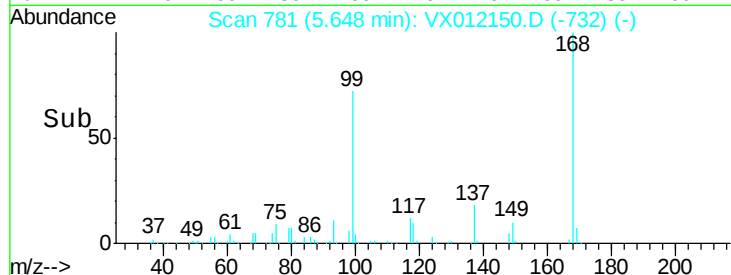
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.381 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012150.D

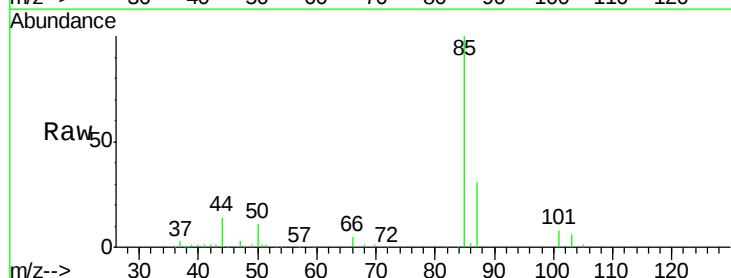
Acq: 06 Sep 2019 16:09

Tgt Ion: 85 Resp: 20106

Ion Ratio Lower Upper

85 100

87 30.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

20000

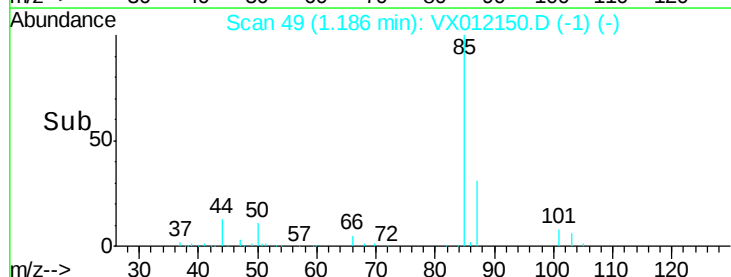
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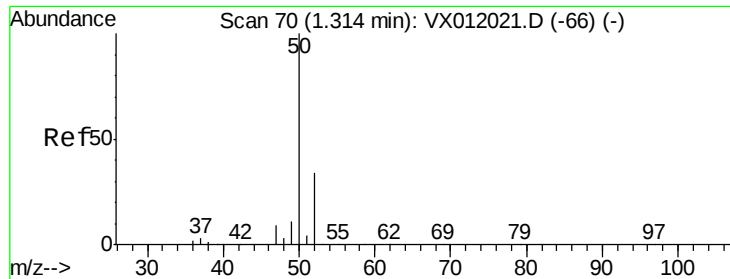
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 18.643 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBSD01

Tot Ion: 50 Resp: 20884

Ion Ratio Lower Upper

50 100

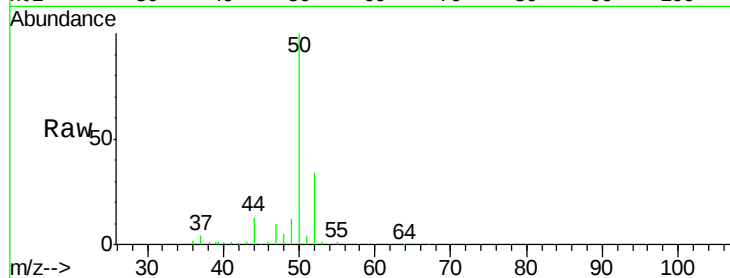
52 34.3 26.5 39.7

Manual Integrations

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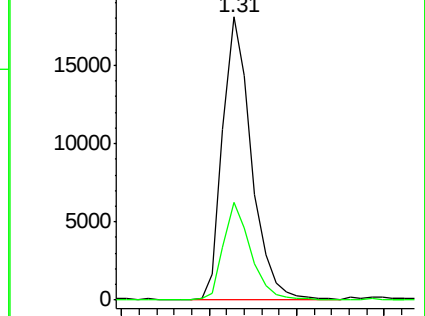
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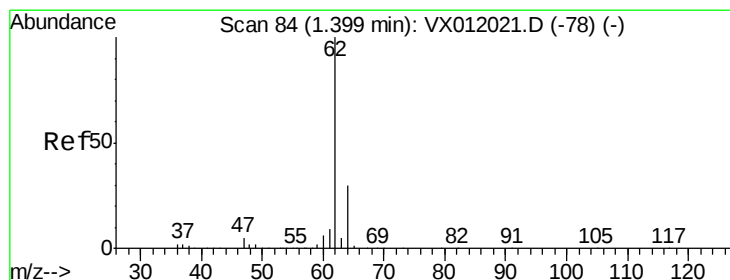
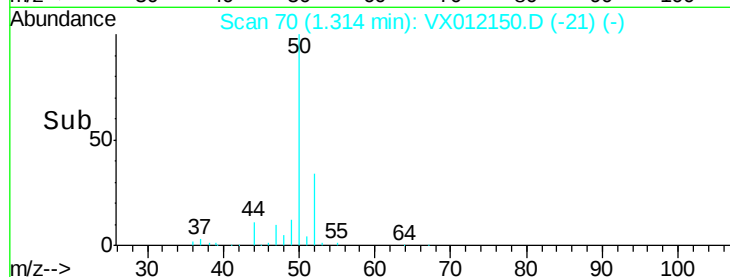


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 18.477 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.01 min

Lab File: VX012150.D

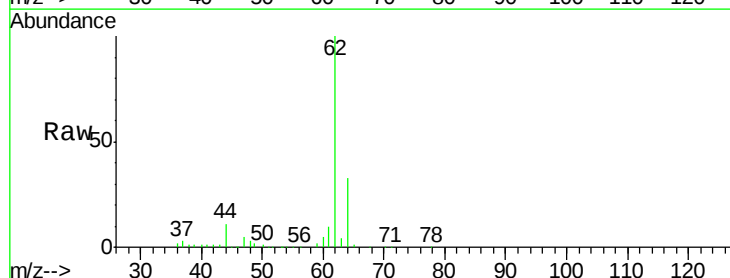
Acq: 06 Sep 2019 16:09

Tgt Ion: 62 Resp: 19474

Ion Ratio Lower Upper

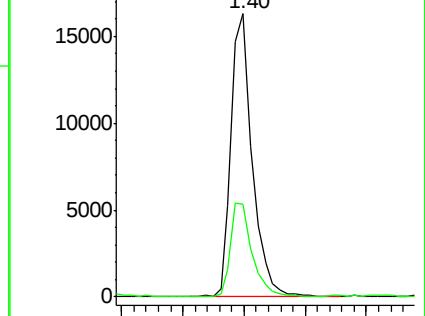
62 100

64 32.7 26.2 39.4

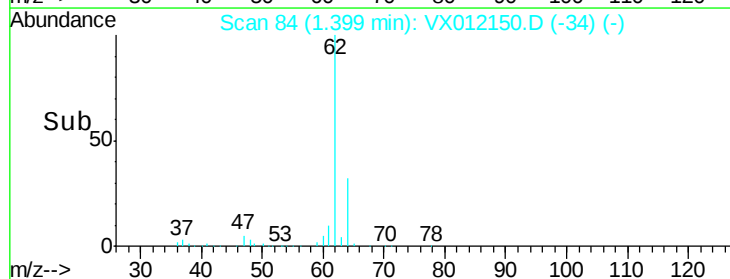


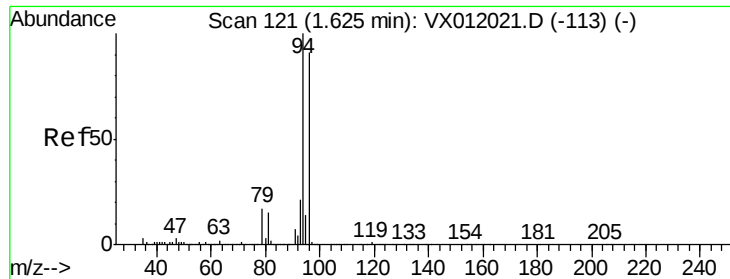
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 19.618 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBSD01

Tot Ion: 94 Resp: 10257

Ion Ratio Lower Upper

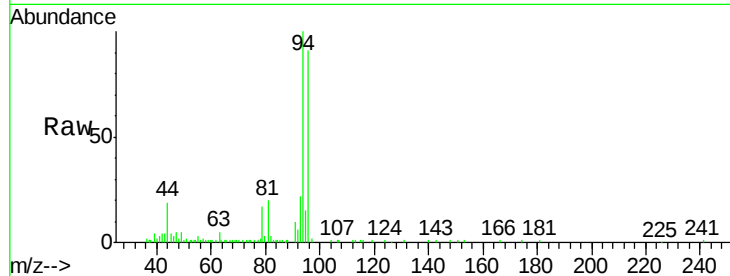
94 100

96 91.3 76.3 114.5

Manual Integrations
APPROVED

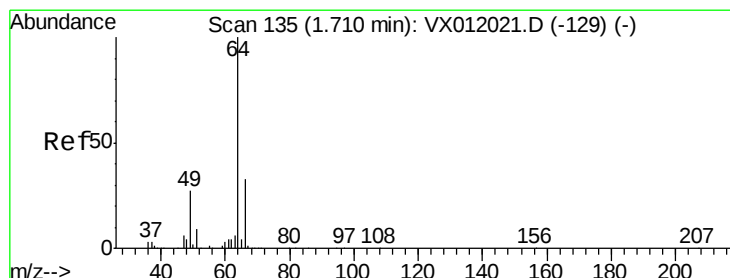
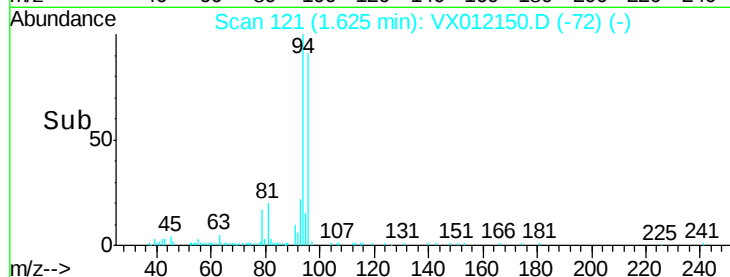
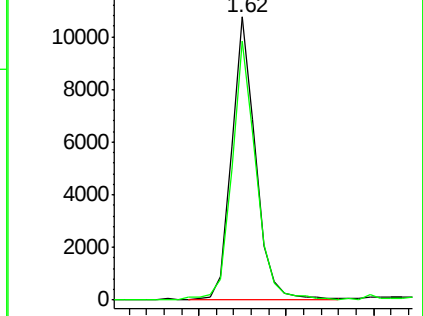
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.054 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012150.D

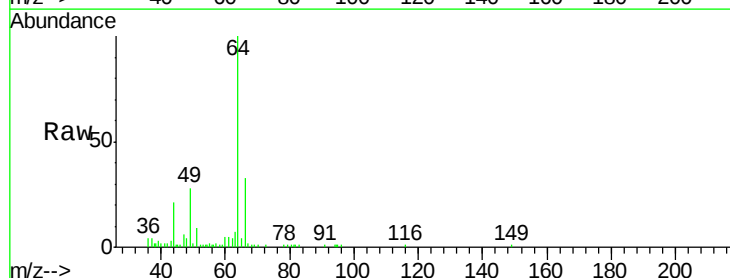
Acq: 06 Sep 2019 16:09

Tgt Ion: 64 Resp: 12484

Ion Ratio Lower Upper

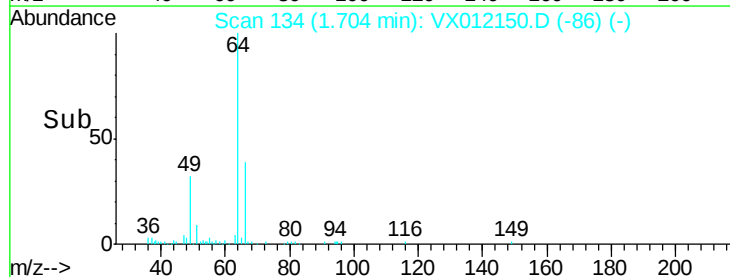
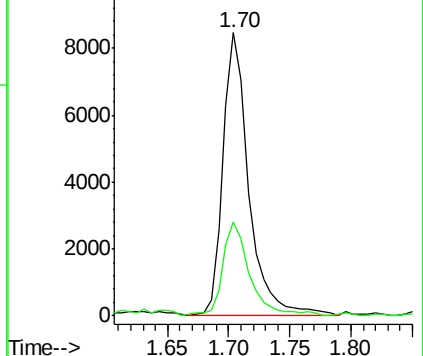
64 100

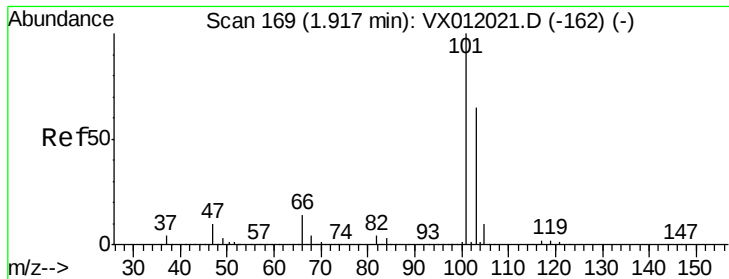
66 32.3 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

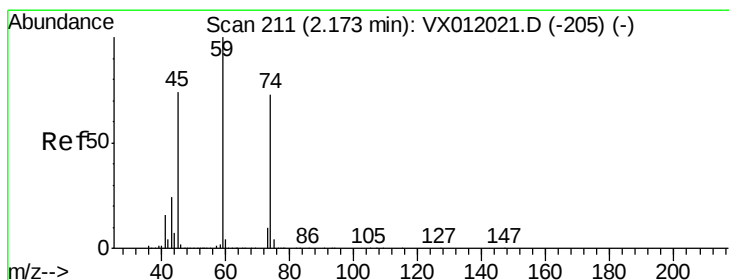
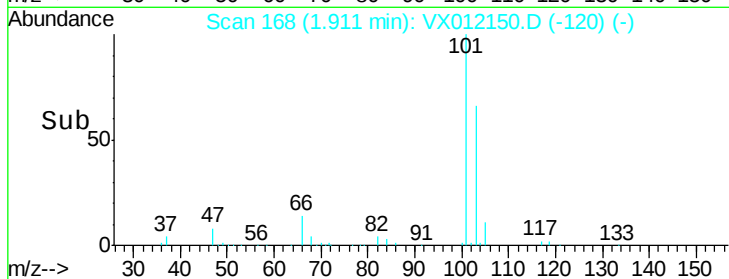
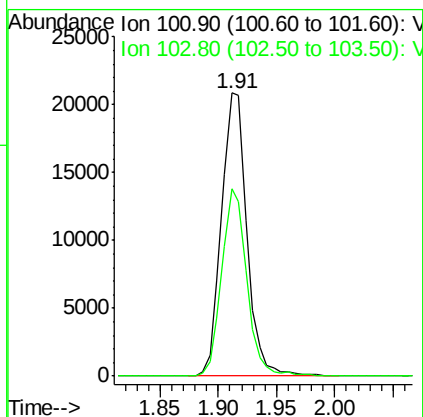
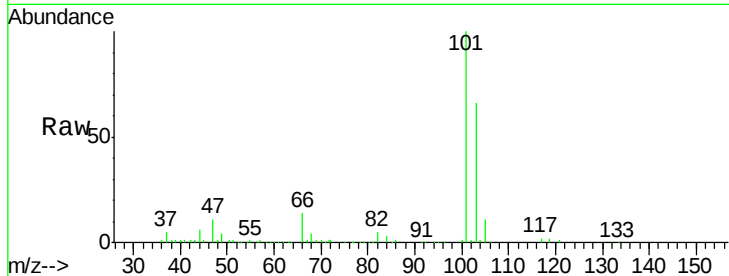
Trichlorofluoromethane
Concen: 19.274 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion:101 Resp: 31552
Ion Ratio Lower Upper
101 100
103 66.3 51.6 77.4

Manual Integrations
APPROVED

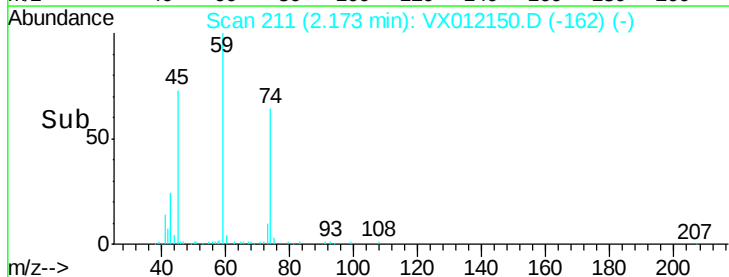
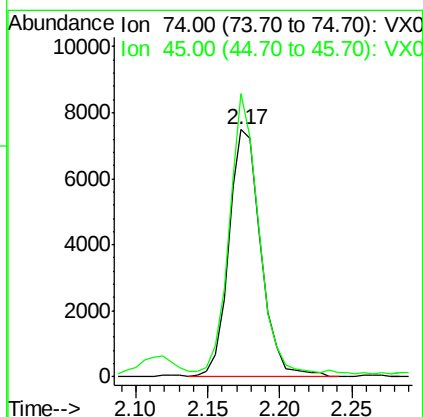
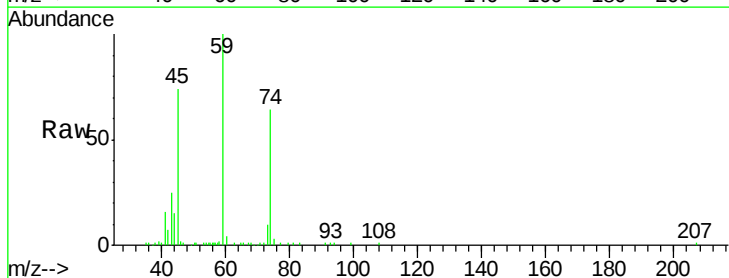
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9/9/2019 10:50:09 AM

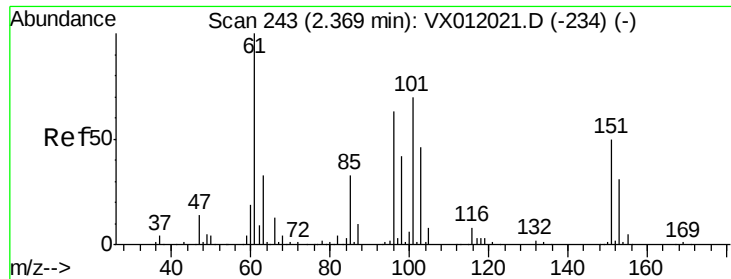


#8

Diethyl Ether
Concen: 20.622 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion: 74 Resp: 11666
Ion Ratio Lower Upper
74 100
45 102.7 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.664 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

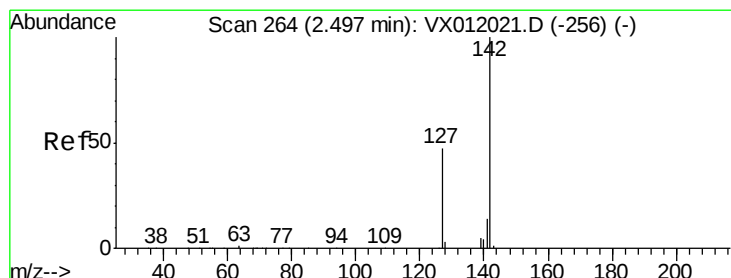
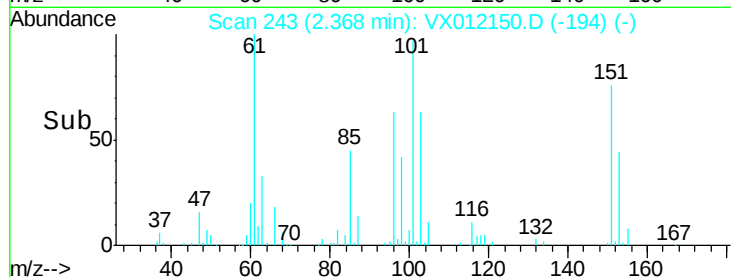
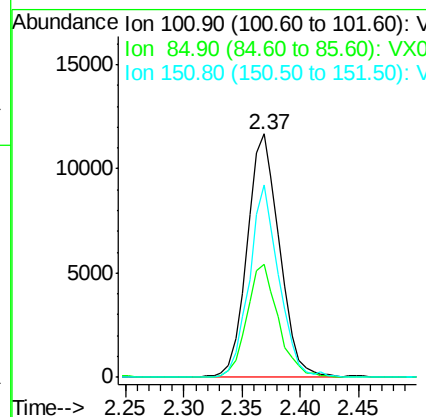
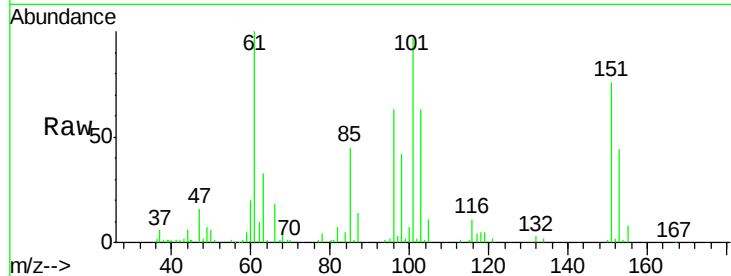
ClientSampleId :

VX0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	22630		
85	45.3	34.5	51.7	
151	72.2	75.0	112.4	

Manual Integrations
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#10

Methyl Iodide

Concen: 13.844 ug/l

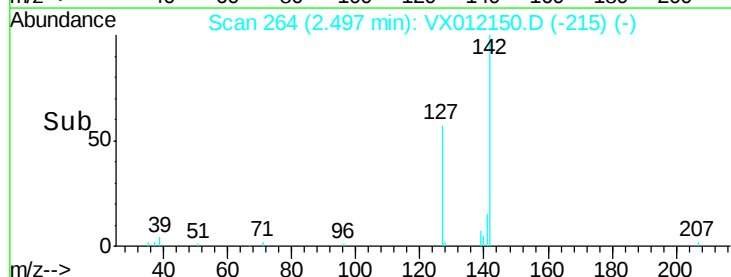
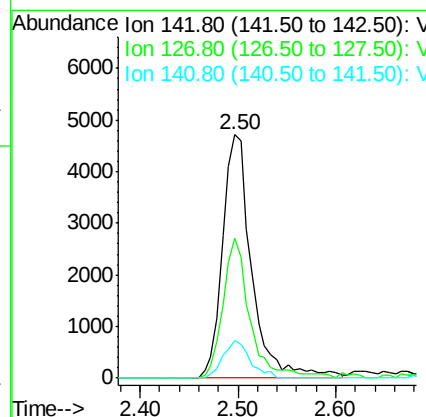
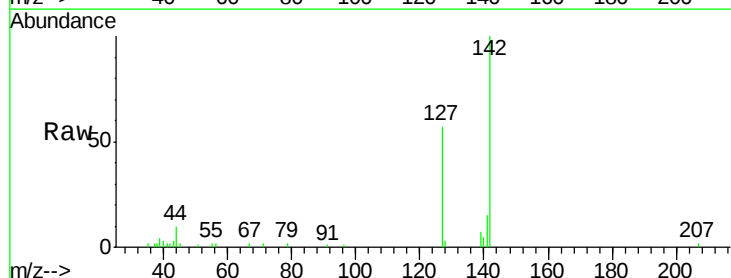
RT: 2.50 min Scan# 264

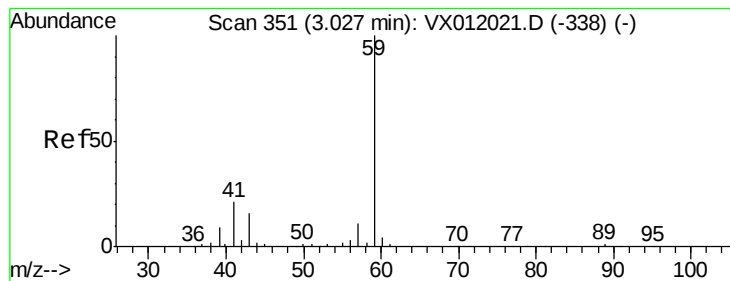
Delta R.T. 0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	9783		
127	52.9	35.4	53.2	
141	14.2	11.4	17.2	





#11

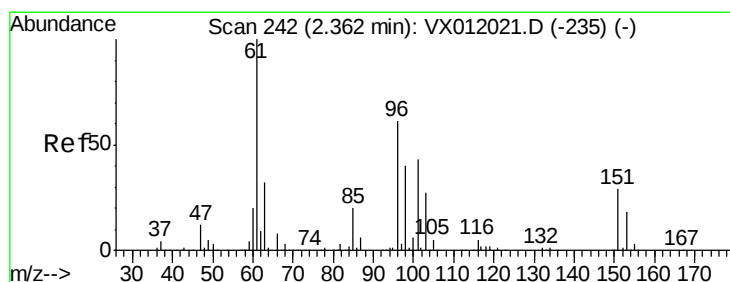
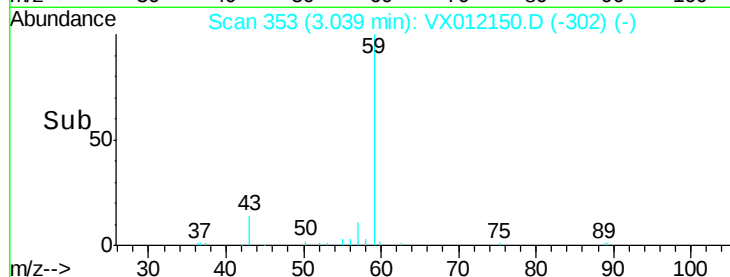
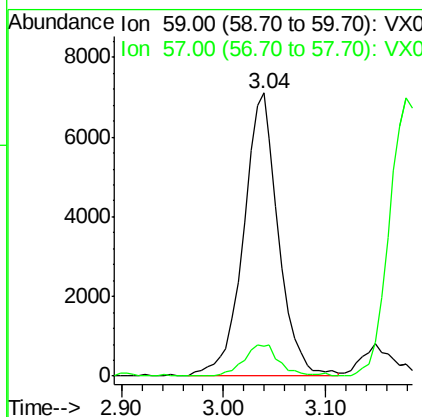
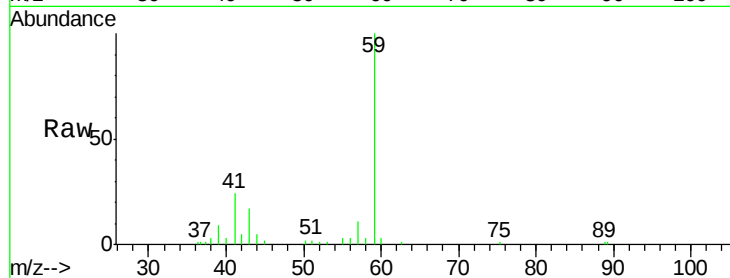
Tert butyl alcohol
Concen: 107.174 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	7.9	11.9

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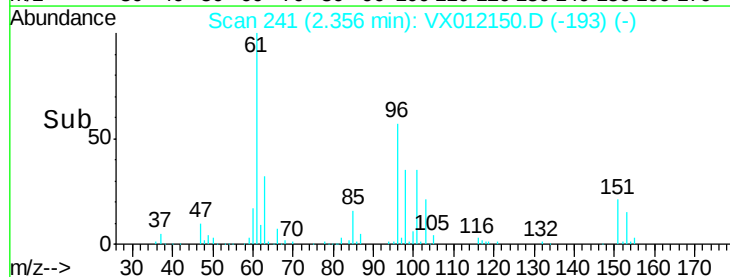
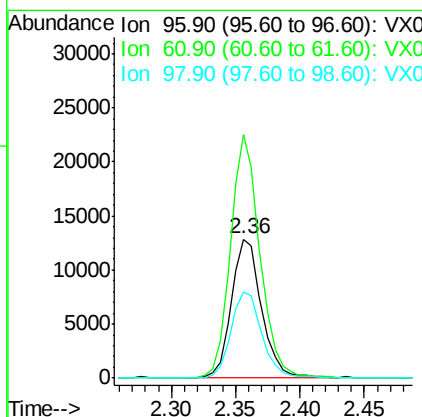
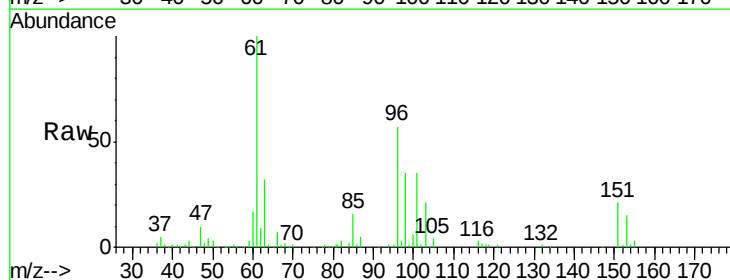
MMDadoda
9/9/2019 10:50:09 AM

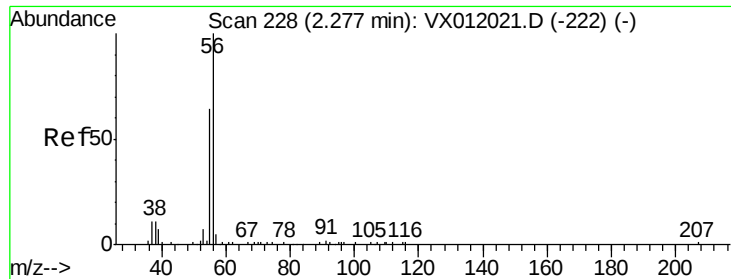


#12

1,1-Dichloroethene
Concen: 18.013 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.5	124.1	186.1
98	62.1	50.2	75.2





#13

Acrolein

Concen: 138.660 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

VX0906SBSD01

Tot Ion: 56 Resp: 6030

Ion Ratio Lower Upper

56 100

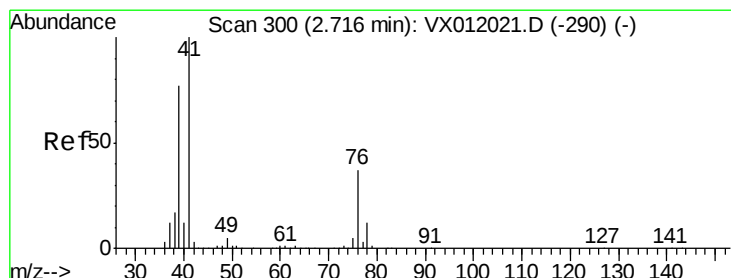
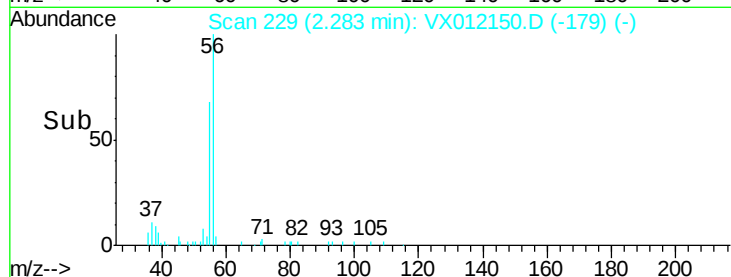
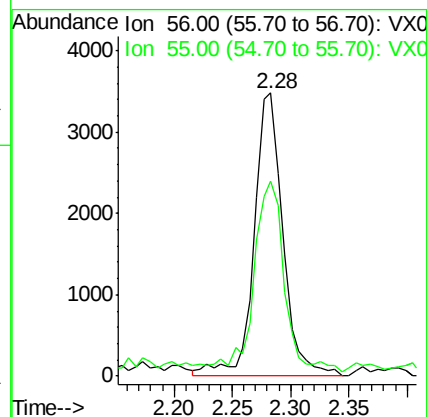
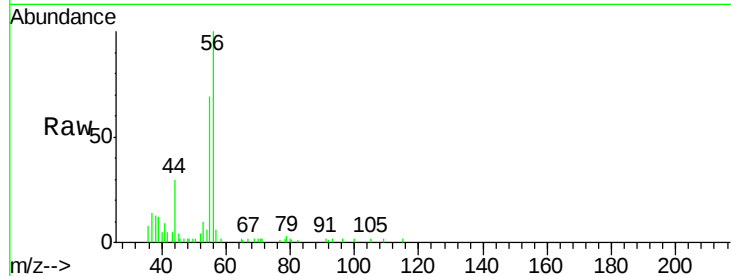
55 62.3 59.2 88.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.660 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

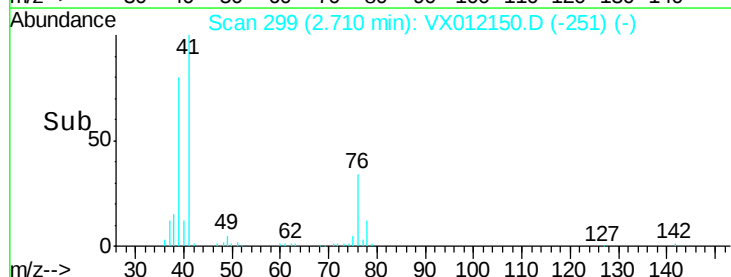
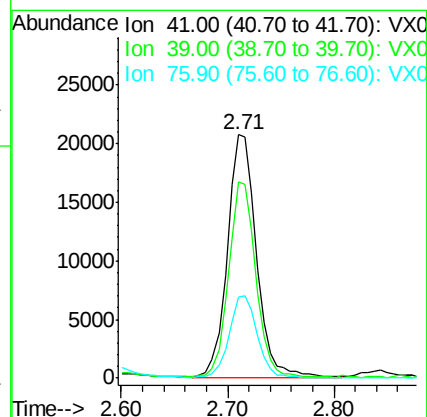
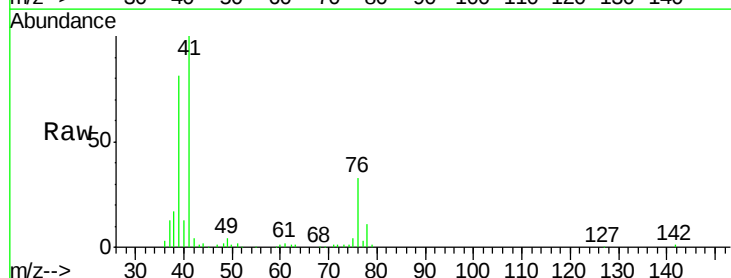
Tgt Ion: 41 Resp: 39436

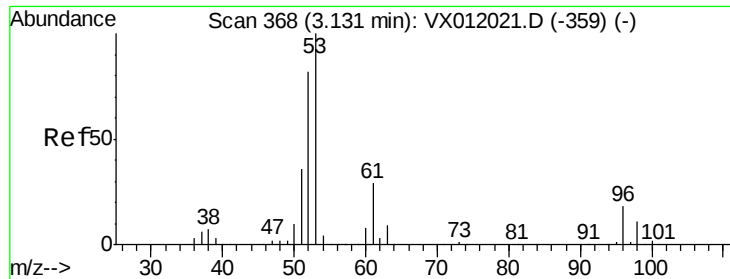
Ion Ratio Lower Upper

41 100

39 75.2 57.9 86.9

76 33.2 28.5 42.7





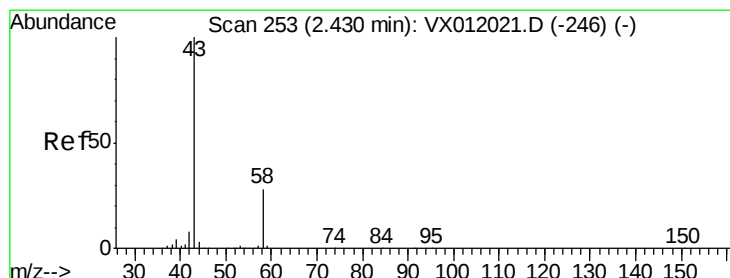
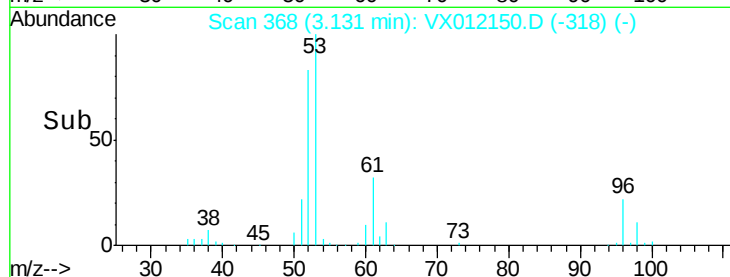
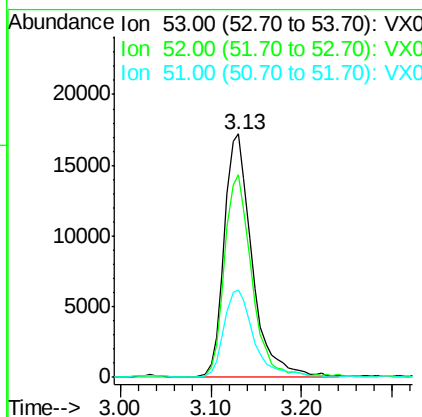
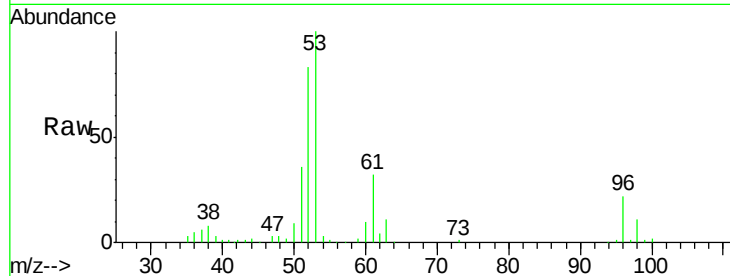
#15
 Acrylonitrile
 Concen: 104.170 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.6	98.4
51	38.7	29.8	44.6

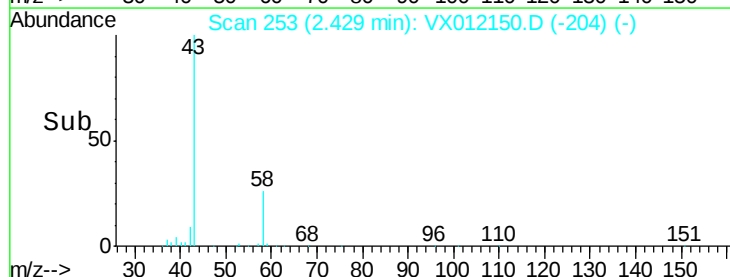
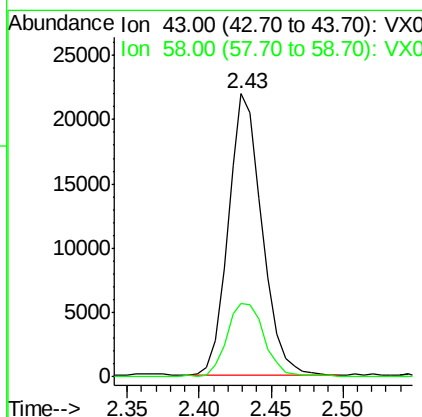
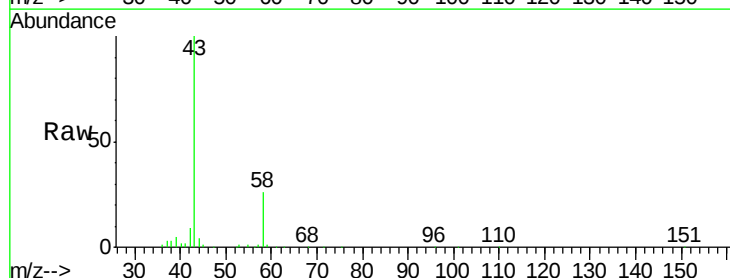
Manual Integrations
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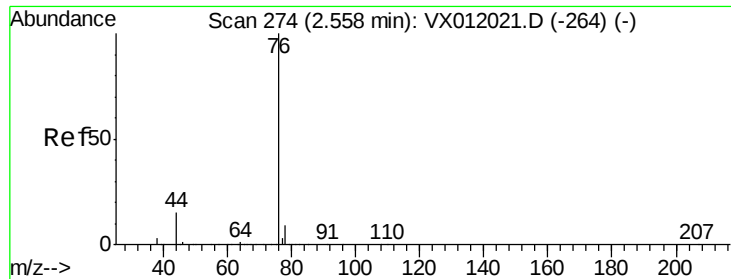
MMDadoda
 9/9/2019 10:50:09 AM



#16
 Acetone
 Concen: 90.979 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.0	22.8	34.2





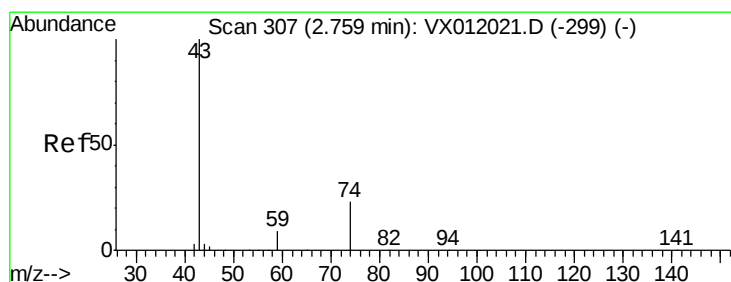
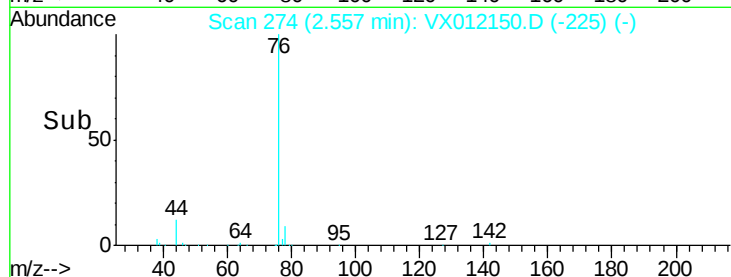
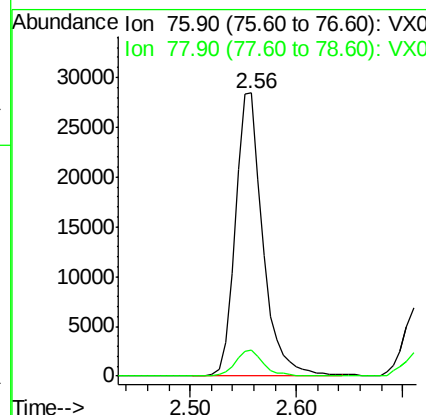
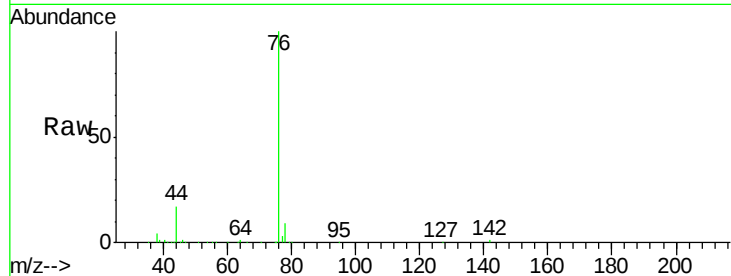
#17
Carbon Disulfide
Concen: 15.026 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

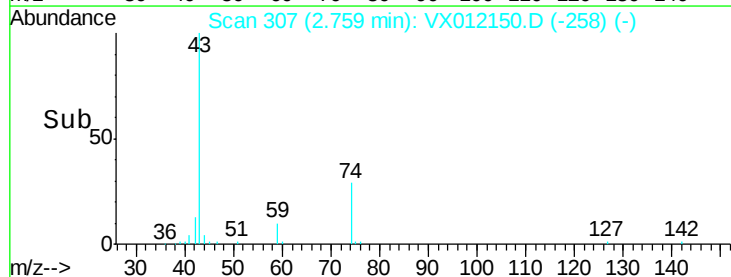
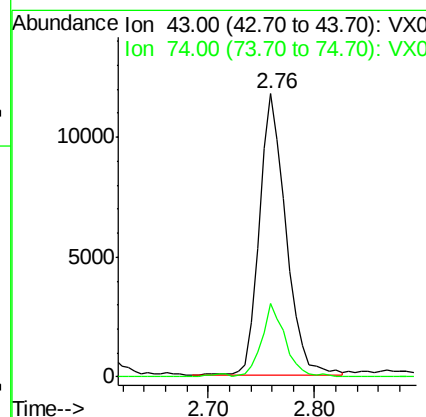
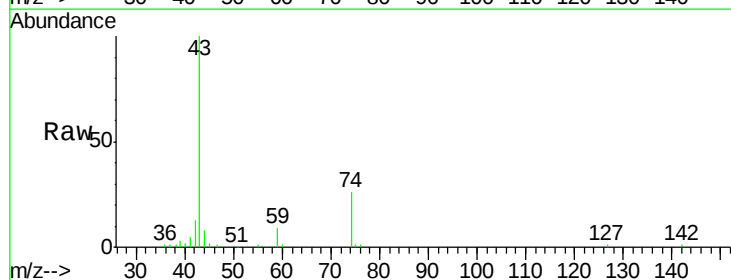
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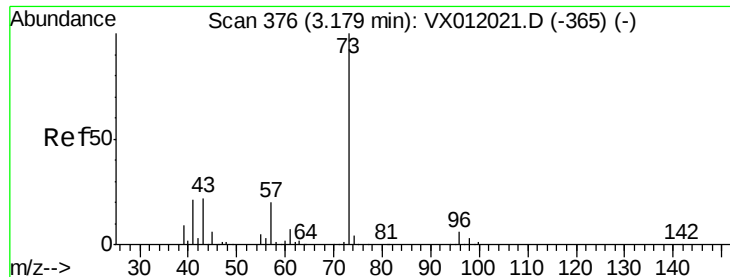
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#18
Methyl Acetate
Concen: 22.196 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.5	29.3





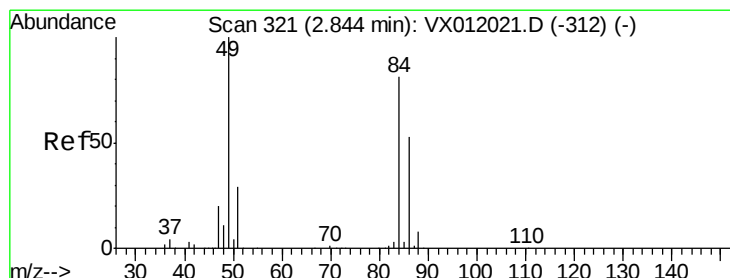
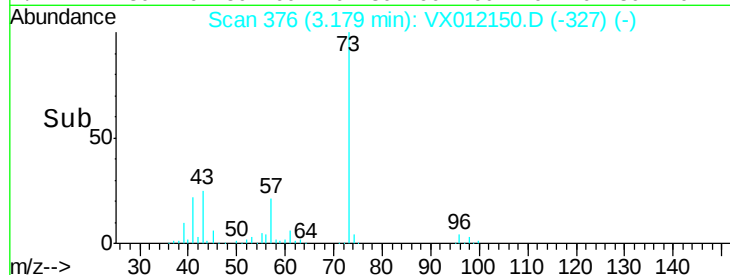
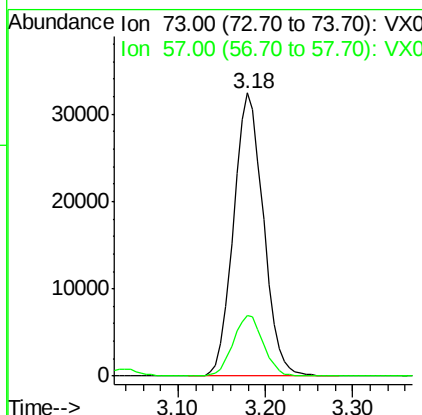
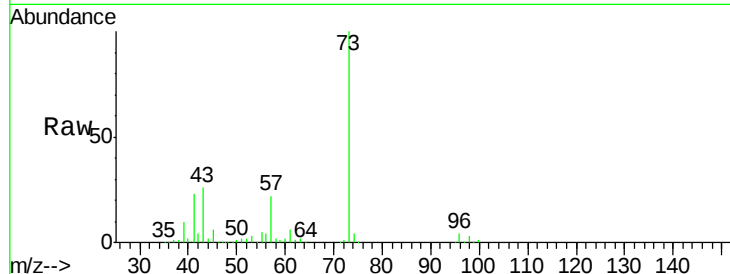
#19
Methvl tert-butvl Ether
Concen: 20.244 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion: 73 Resp: 76978
Ion Ratio Lower Upper
73 100
57 21.5 16.6 25.0

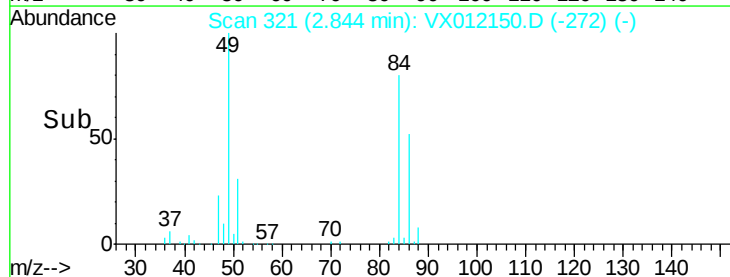
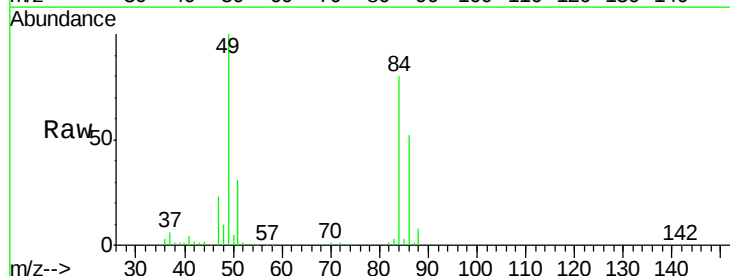
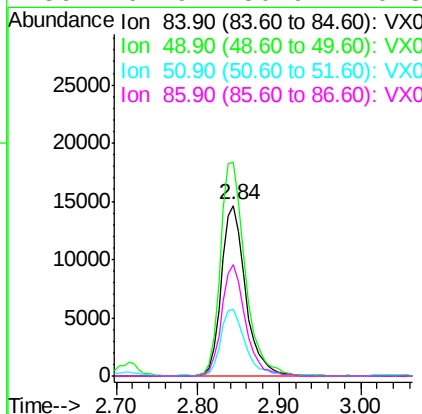
Manual Integrations
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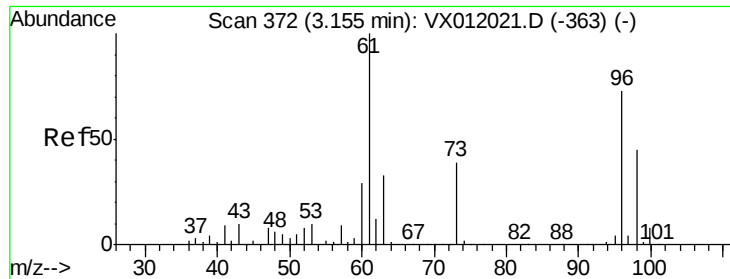
MMDadoda
9/9/2019 10:50:09 AM



#20
Methylene Chloride
Concen: 19.316 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion: 84 Resp: 30343
Ion Ratio Lower Upper
84 100
49 125.0 95.8 143.8
51 39.3 28.6 43.0
86 64.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 18.294 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 96 Resp: 25075

Ion Ratio Lower Upper

96 100

61 151.3 107.0 160.6

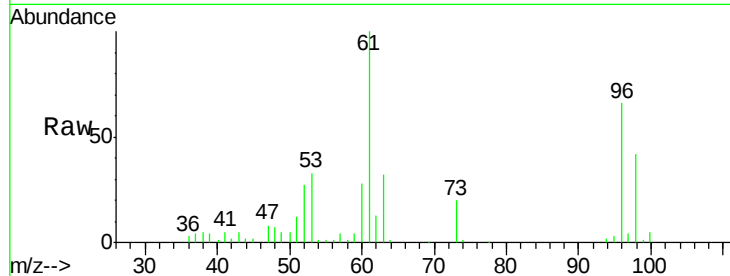
98 63.3 49.8 74.6

Manual Integrations

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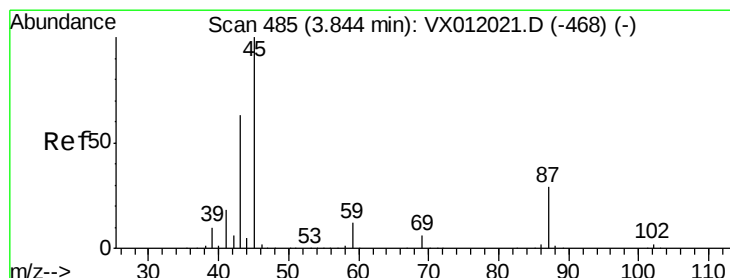
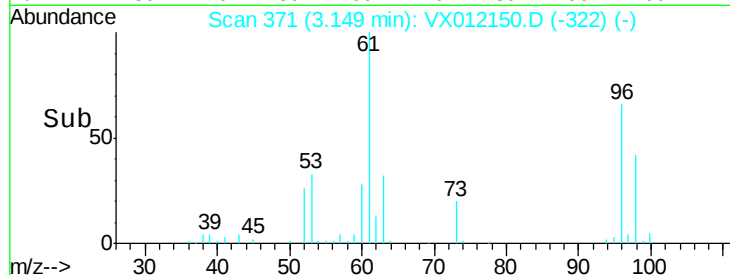
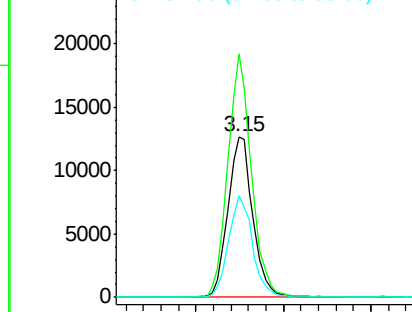


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.261 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.01 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Tgt Ion: 45 Resp: 87278

Ion Ratio Lower Upper

45 100

43 64.4 54.2 81.4

87 26.8 23.4 35.0

59 11.0 9.0 13.6

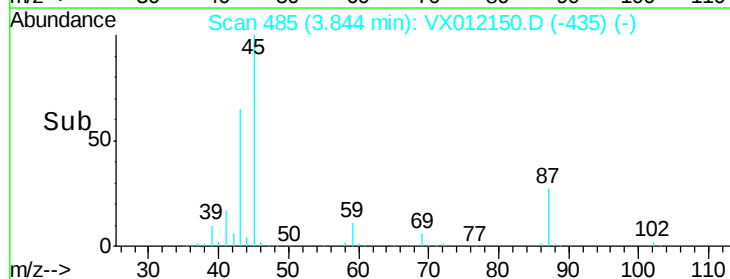
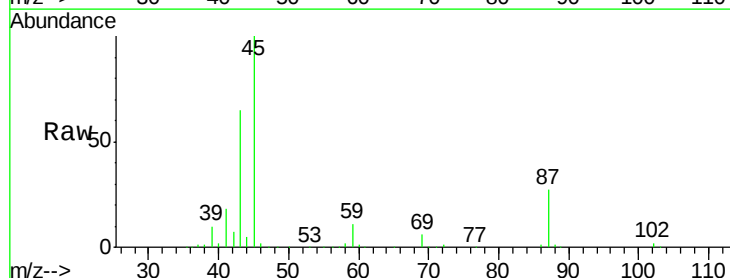
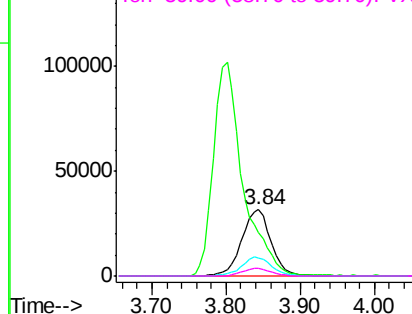
Abundance

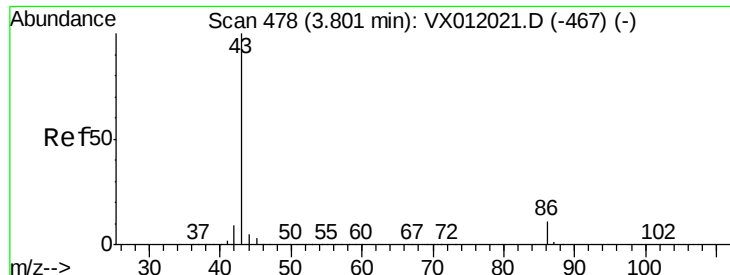
Ion 45.00 (44.70 to 45.70): VX0

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: 100.414 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 43 Resp: 279820

Ion Ratio Lower Upper

43 100

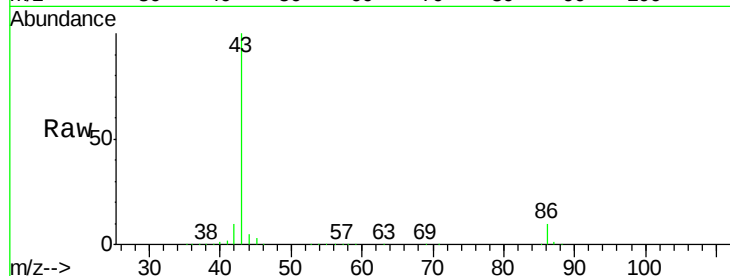
86 10.4 9.0 13.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

120000

100000

80000

60000

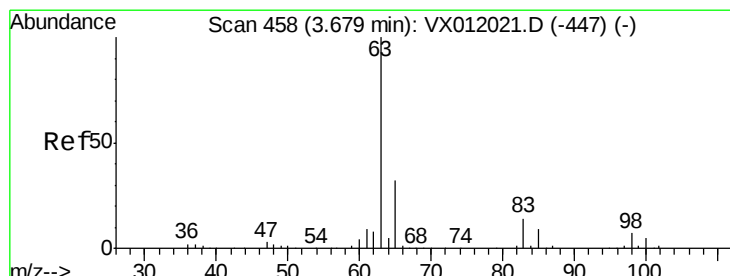
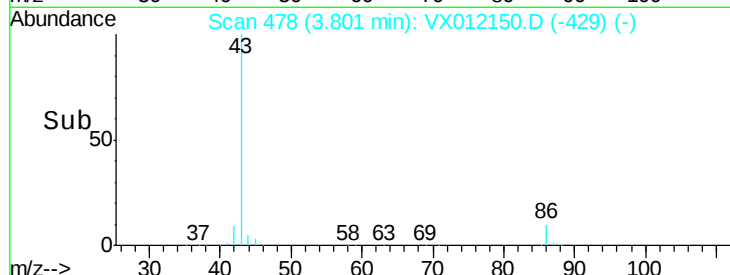
40000

20000

0

3.70 3.80 3.90

Time-->



#24

1,1-Dichloroethane

Concen: 19.320 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.01 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

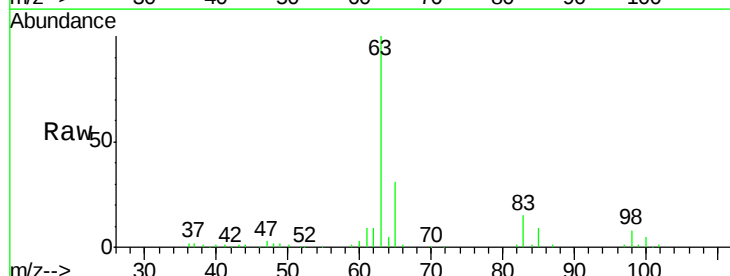
Tgt Ion: 63 Resp: 48269

Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

100 4.7 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

25000

20000

15000

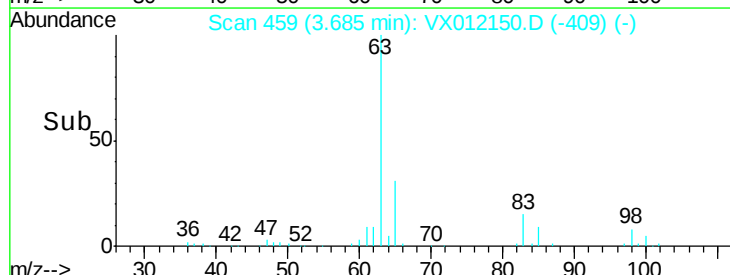
10000

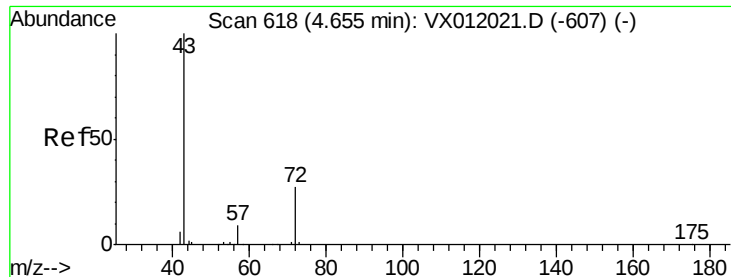
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 102.923 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Tot Ion: 43 Resp: 51252

Ion Ratio Lower Upper

43 100

72 23.1 21.3 31.9

Instrument :

MSVOA_X

ClientSampled :

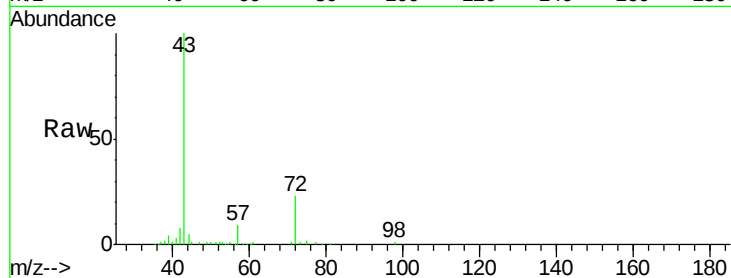
VX0906SBS01

Manual Integrations

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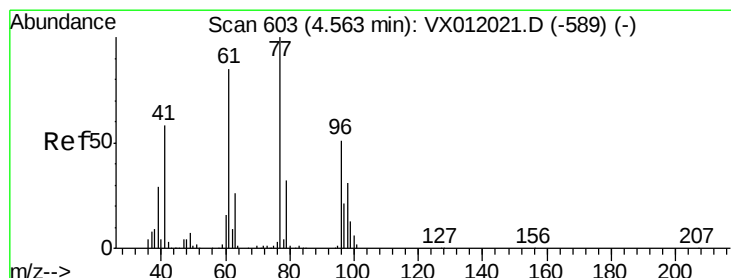
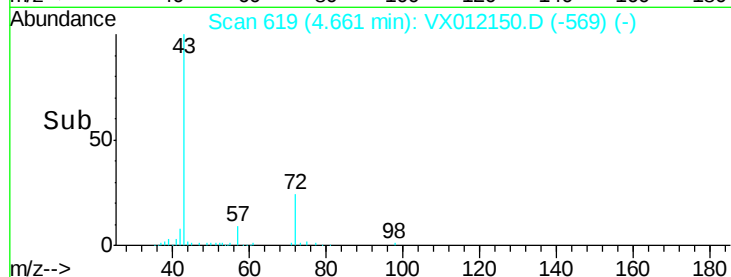
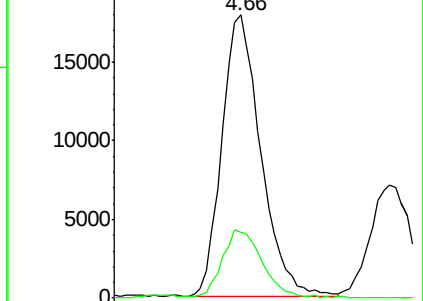
MMDadoda

9/9/2019 10:50:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.515 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012150.D

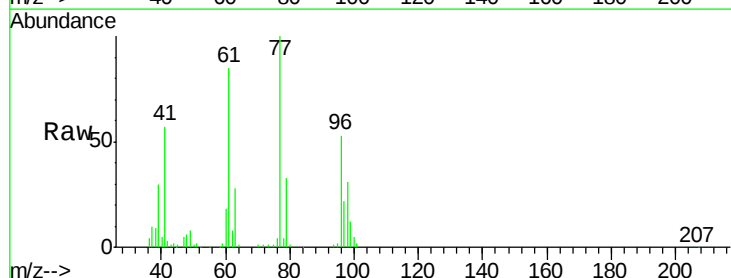
Acq: 06 Sep 2019 16:09

Tgt Ion: 77 Resp: 42708

Ion Ratio Lower Upper

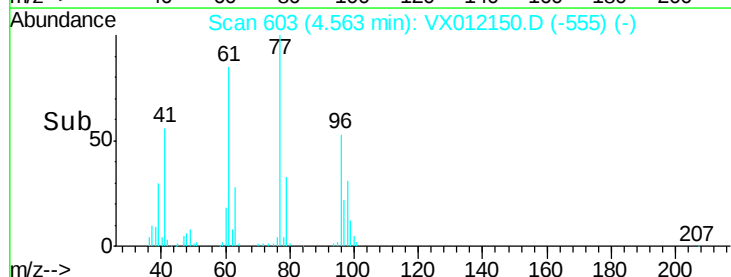
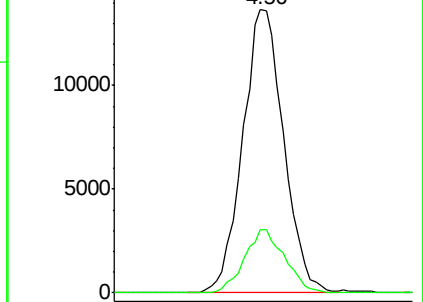
77 100

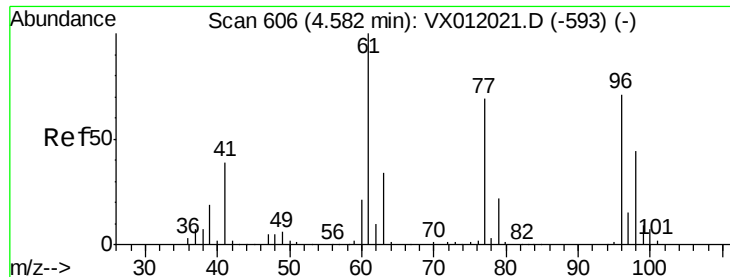
97 21.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

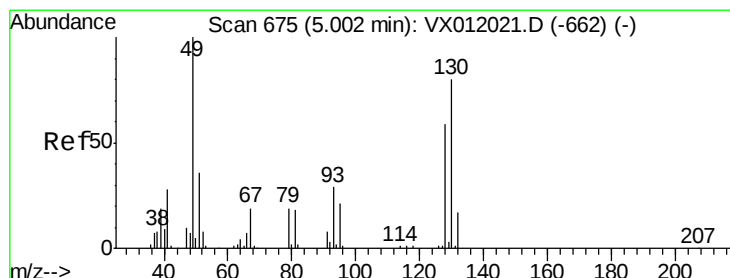
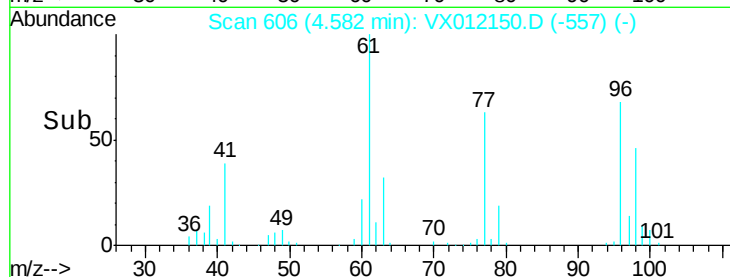
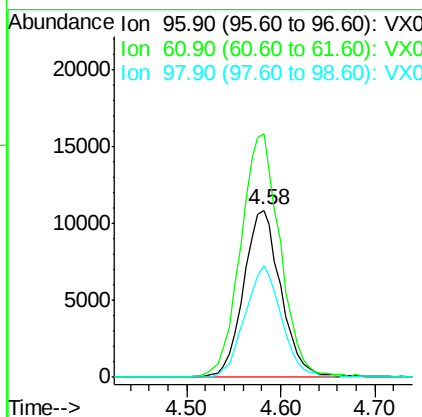
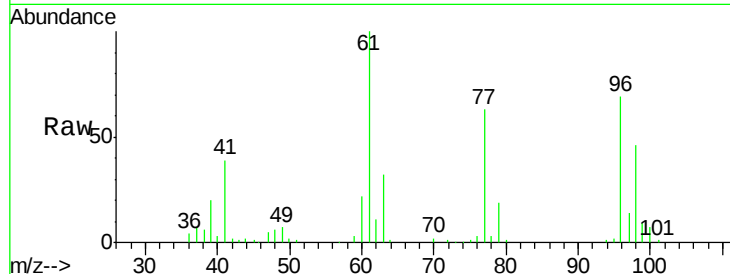
cis-1,2-Dichloroethene
Concen: 18.719 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	30075		
61	155.1	0.0	277.0	
98	65.8	0.0	128.4	

Manual Integrations
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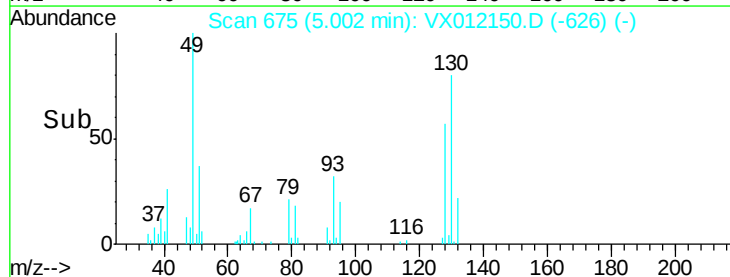
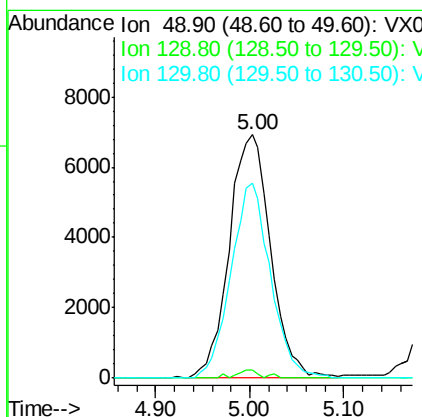
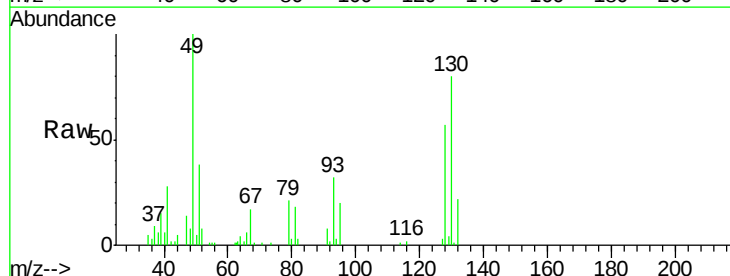
MMDadoda
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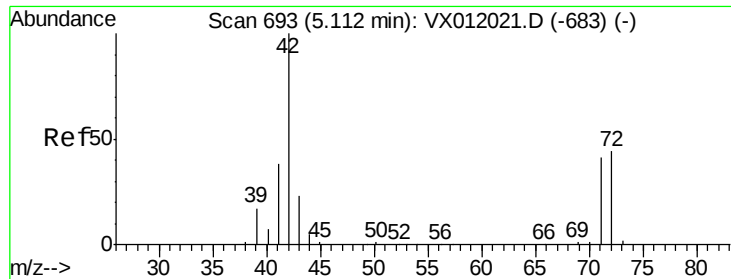


#28

Bromochloromethane
Concen: 21.273 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21216		
129	1.4	0.0	5.6	
130	76.5	76.7	115.1#	





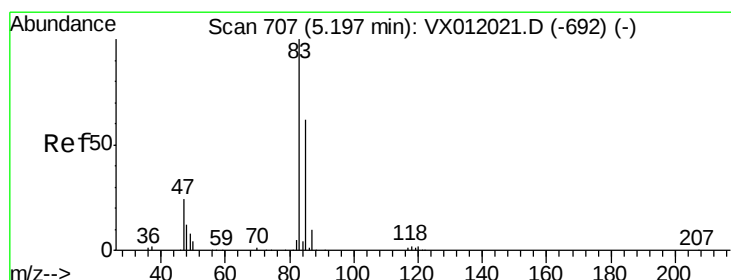
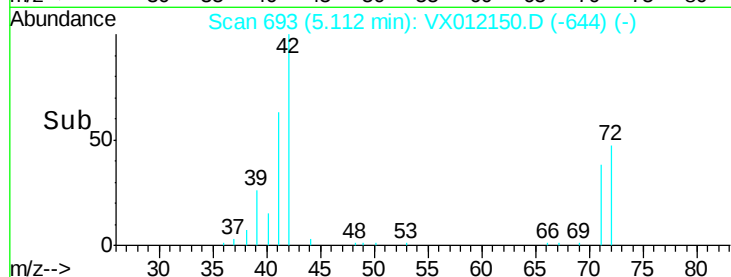
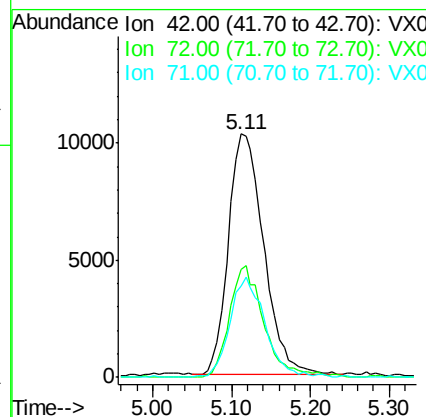
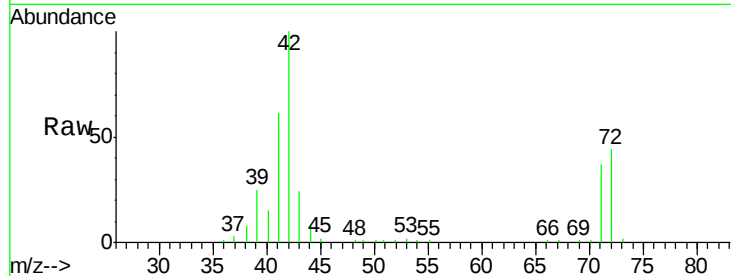
#29
Tetrahydrofuran
Concen: 107.311 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	37.0	55.4
71	41.2	33.8	50.8

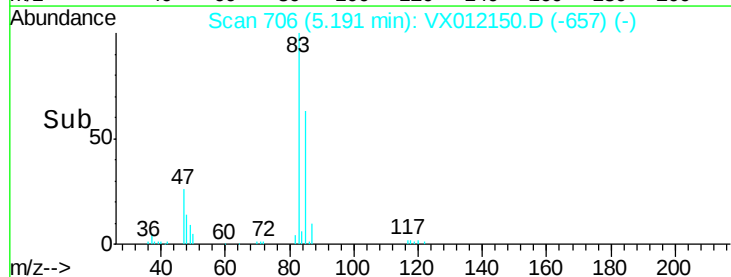
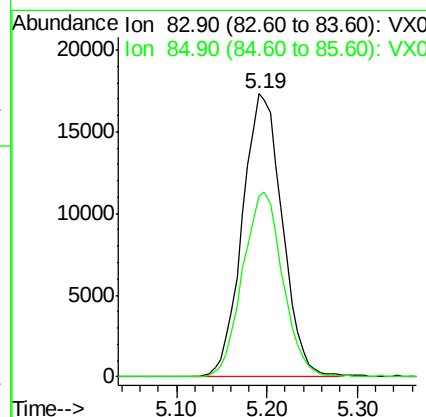
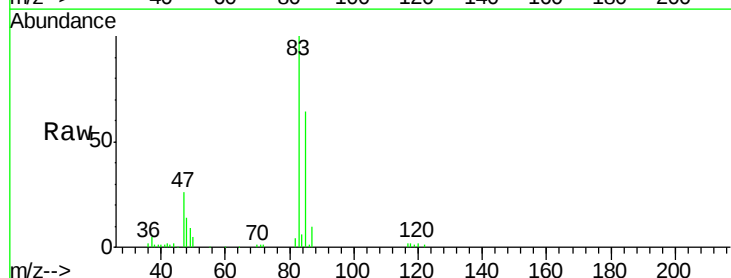
Manual Integrations
APPROVED

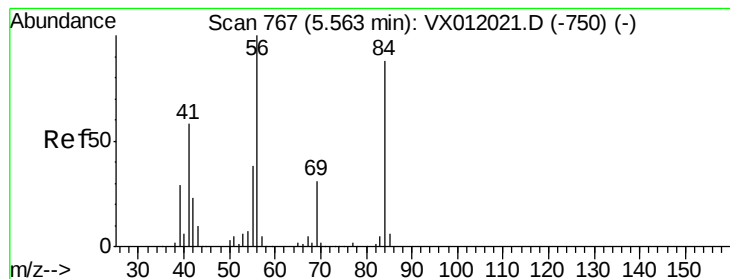
MMDadoda
9/9/2019 10:50:09 AM



#30
Chloroform
Concen: 19.700 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.6	78.8





#31

Cyclohexane

Concen: 17.849 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

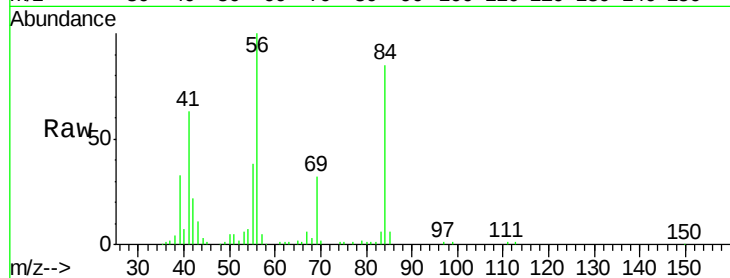
ClientSampleId :

VX0906SBS01

Tot Ion:	56	Resp:	35814
Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.7	38.5
84	82.1	70.3	105.5

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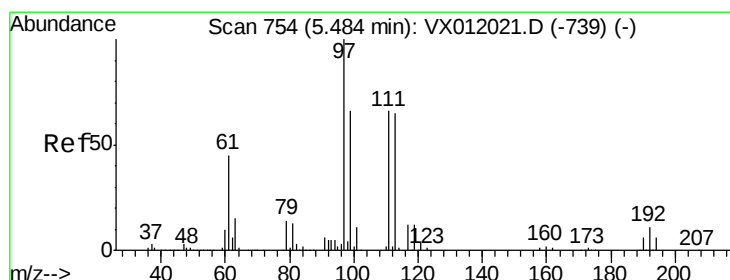
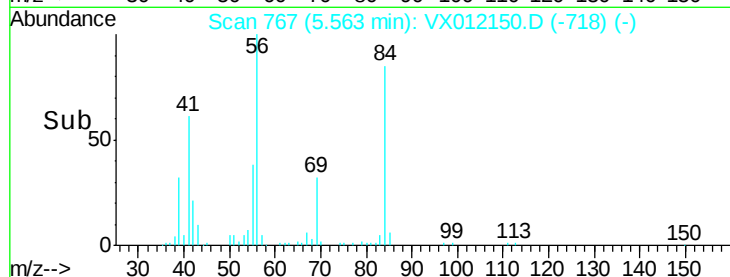
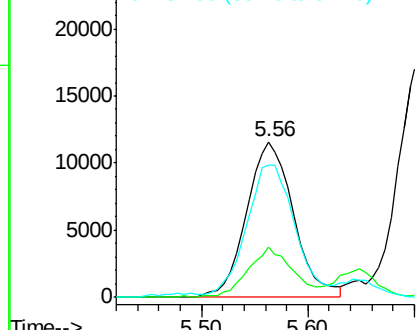


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.440 ug/l

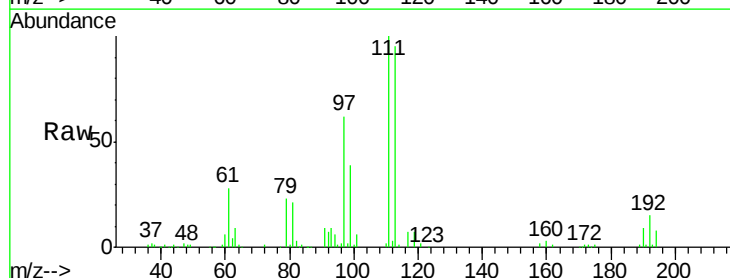
RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Tgt Ion:	97	Resp:	45390
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.1	78.1
61	46.2	32.8	49.2

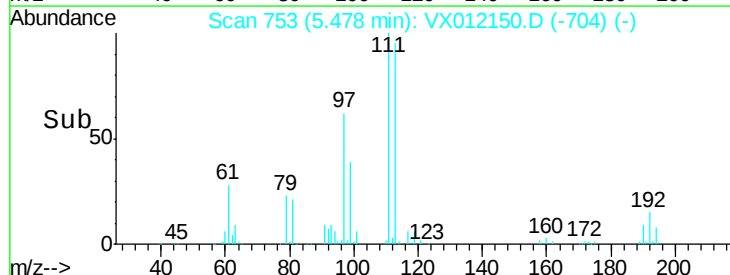
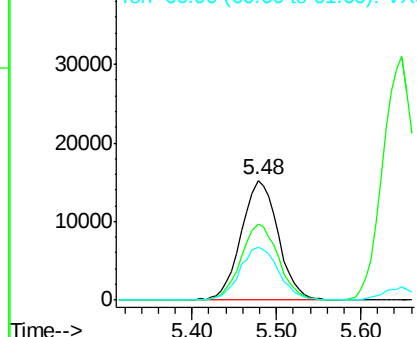


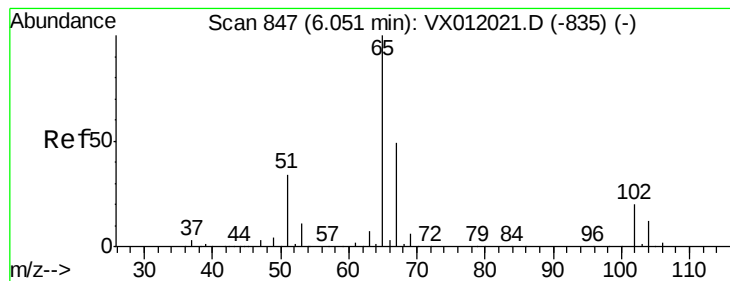
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 56.266 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBSD01

Tot Ion: 65 Resp: 92089

Ion Ratio Lower Upper

65 100

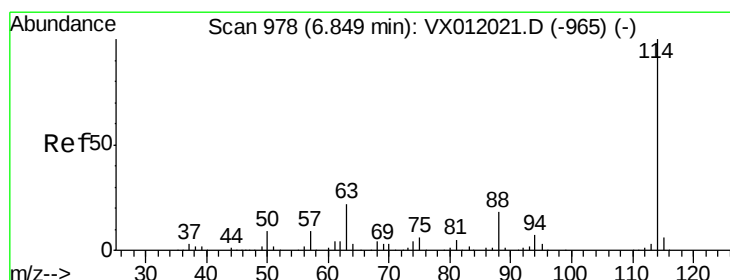
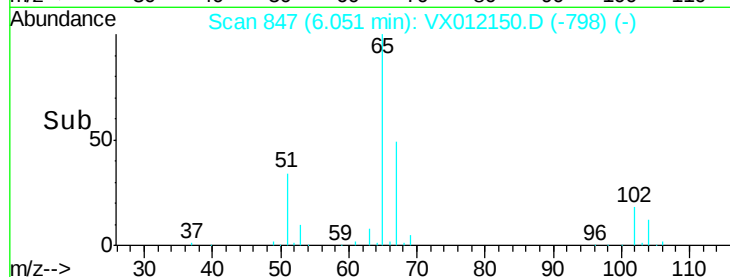
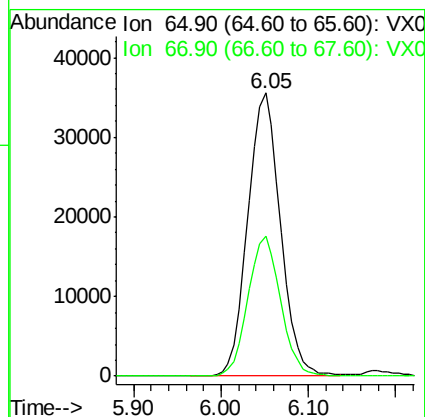
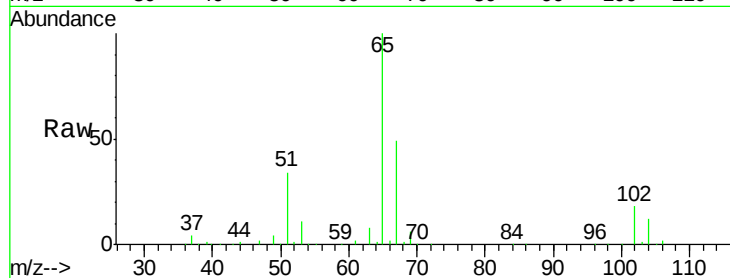
67 49.4 0.0 102.0

Manual Integrations

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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: VX012150.D

Acq: 06 Sep 2019 16:09

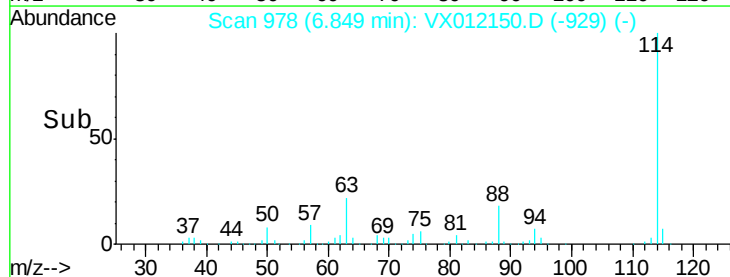
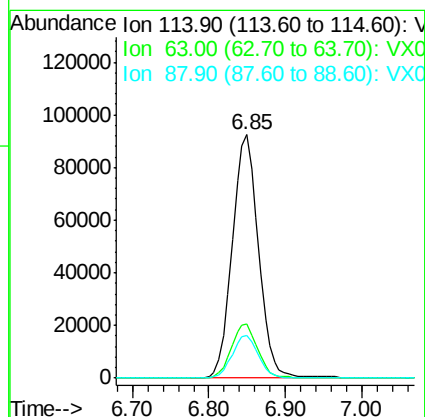
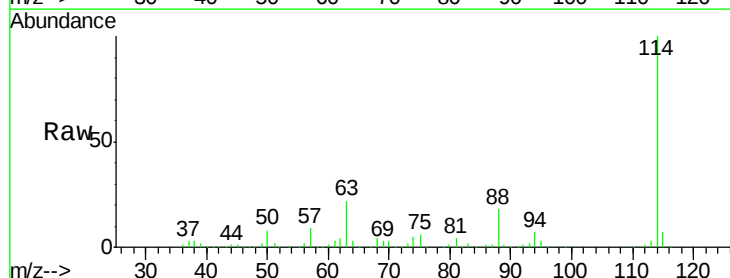
Tgt Ion: 114 Resp: 219153

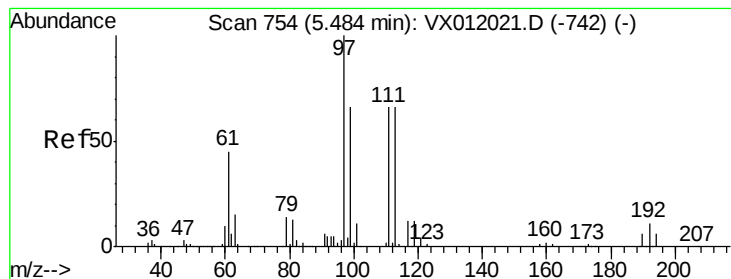
Ion Ratio Lower Upper

114 100

63 22.2 0.0 37.4

88 17.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.421 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

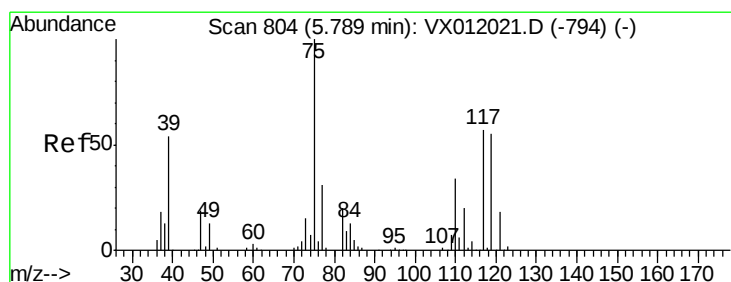
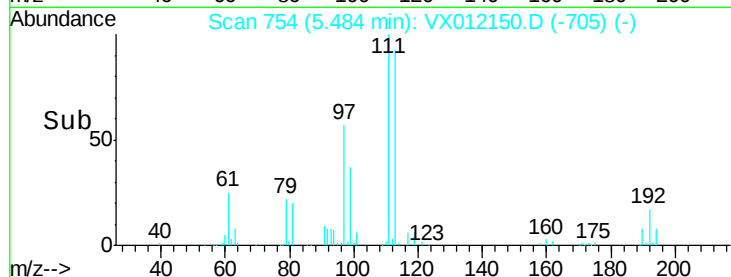
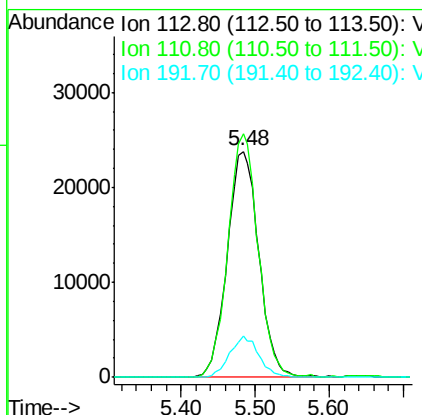
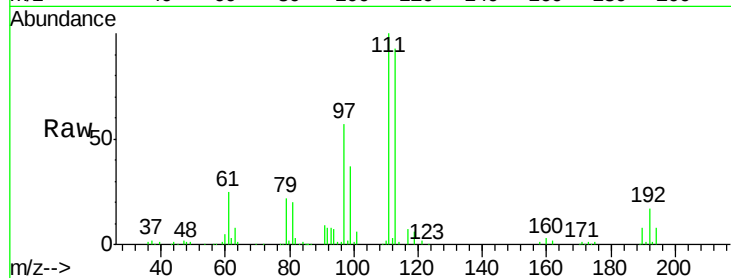
ClientSampleId :

VX0906SBS01

Tot Ion:	113	Resp:	70649
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.7	122.5
192	16.9	22.5	33.7#

Manual Integrations
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9/9/2019 10:50:09 AM



#36

1,1-Dichloropropene

Concen: 18.248 ug/l

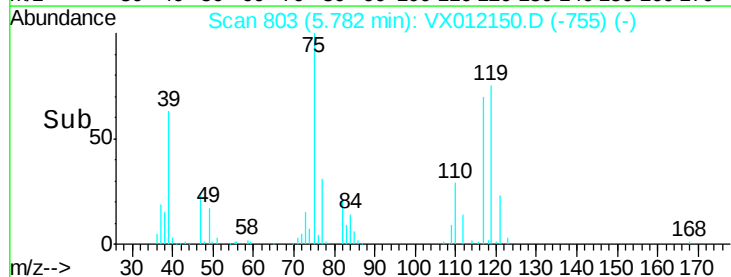
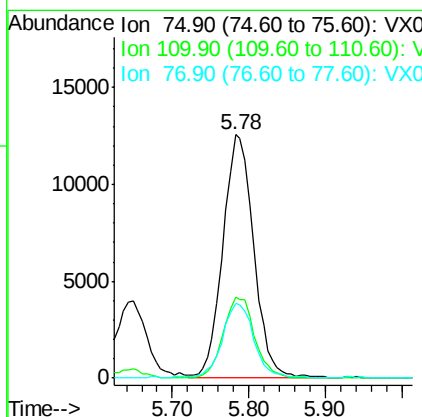
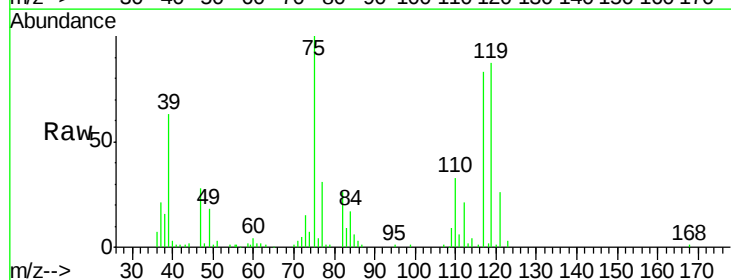
RT: 5.78 min Scan# 803

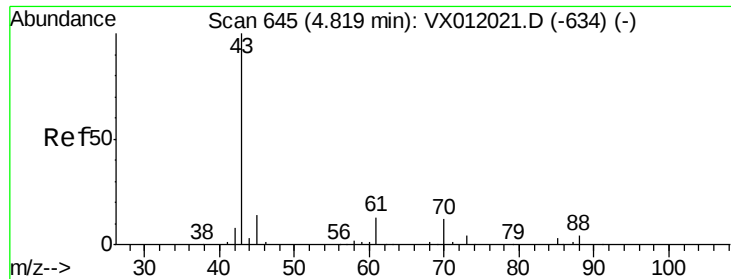
Delta R.T. -0.01 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Tgt Ion:	75	Resp:	35222
Ion	Ratio	Lower	Upper
75	100		
110	33.6	19.5	58.5
77	31.3	24.6	37.0





#37

Ethyl Acetate

Concen: 20.457 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.01 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

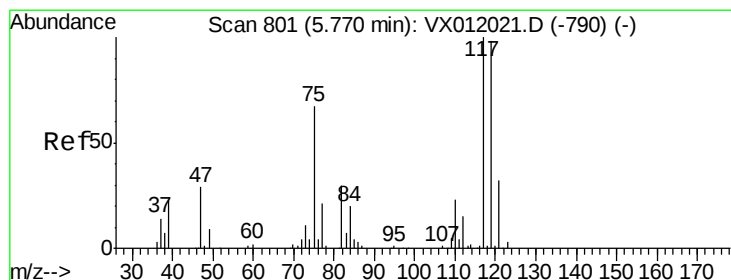
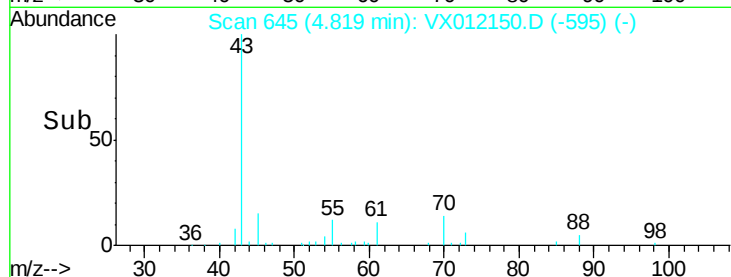
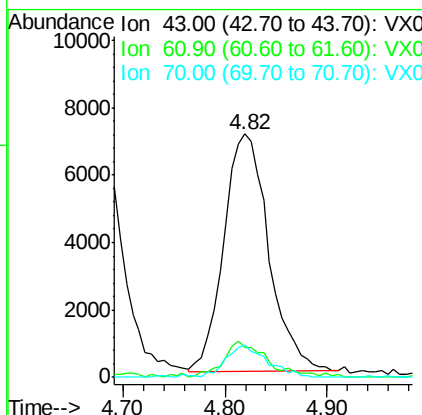
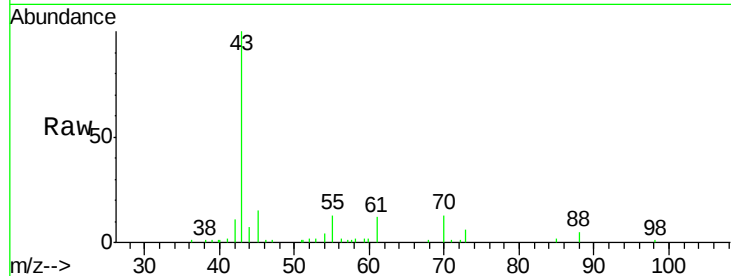
ClientSampleId :

VX0906SBS01

Tot Ion:	43	Resp:	21472
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	12.4	9.4	14.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.596 ug/l

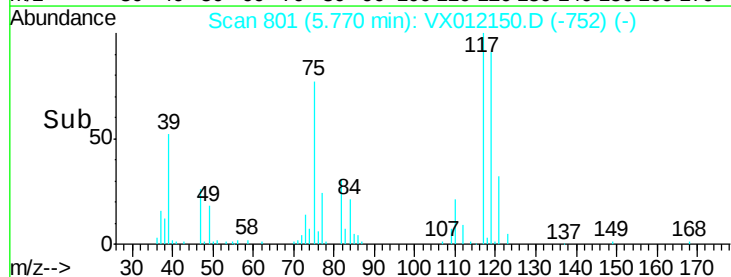
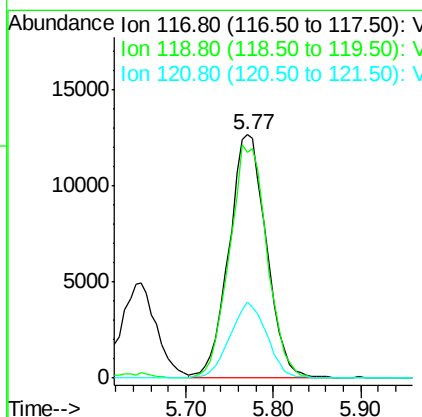
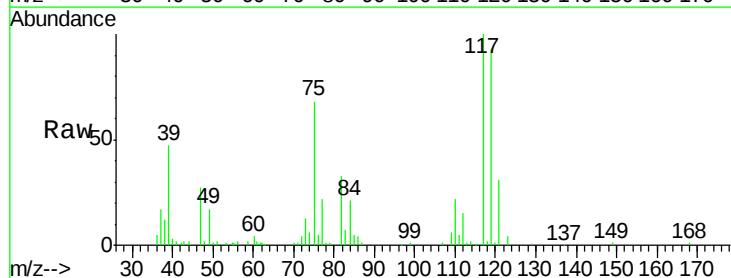
RT: 5.77 min Scan# 801

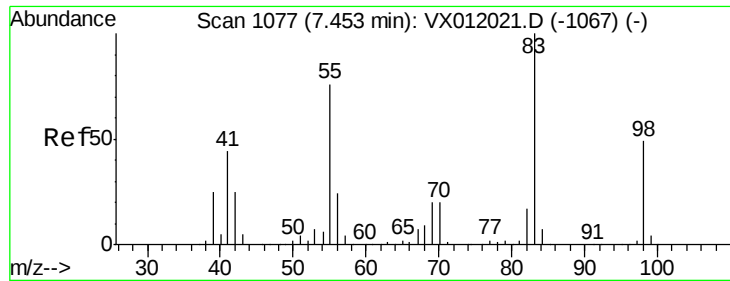
Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Tgt Ion:	117	Resp:	37822
Ion	Ratio	Lower	Upper
117	100		
119	92.6	78.3	117.5
121	31.1	24.2	36.2





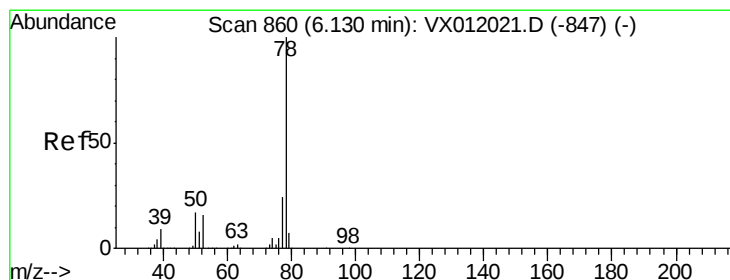
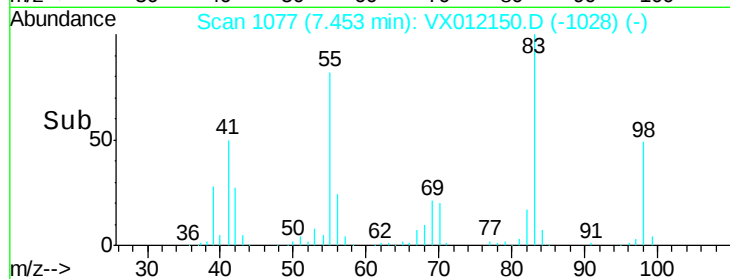
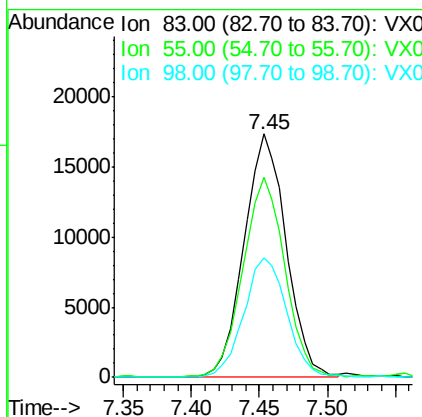
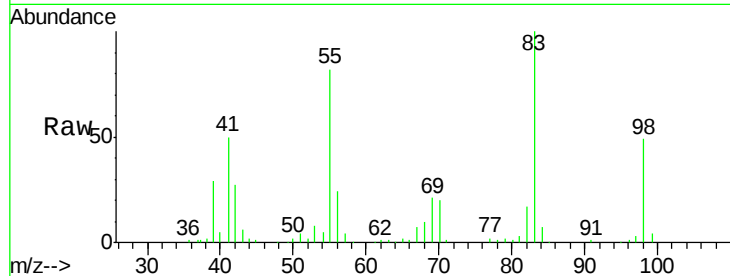
#39
Methvlcvclohexane
Concen: 16.777 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.4	59.6	89.4
98	49.0	41.4	62.0

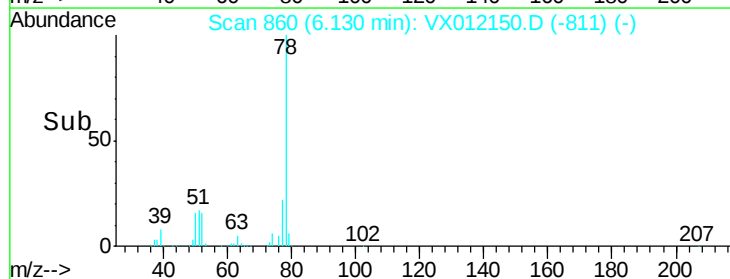
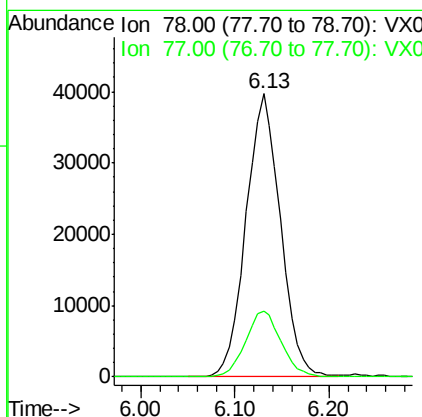
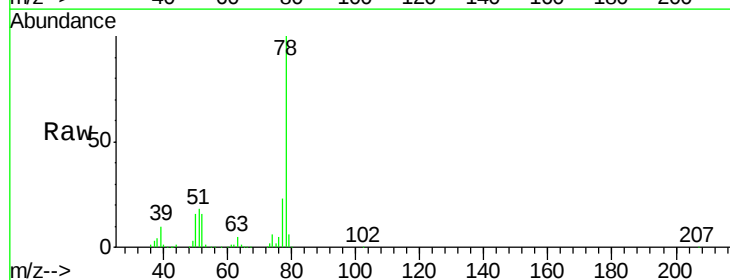
Manual Integrations
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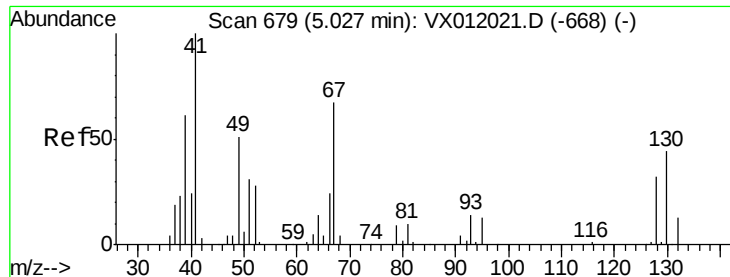
MMDadoda
9/9/2019 10:50:09 AM



#40
Benzene
Concen: 18.379 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.3	28.9





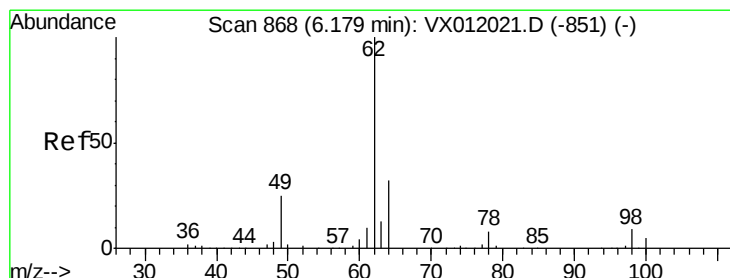
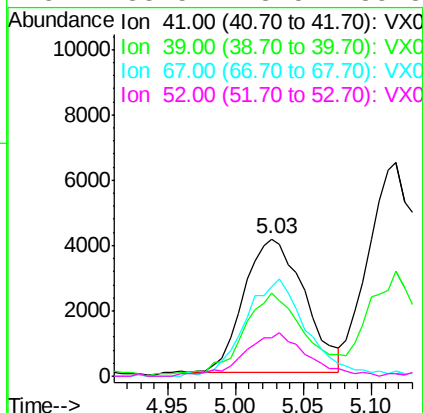
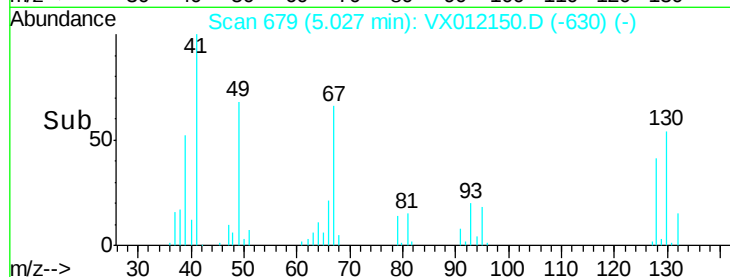
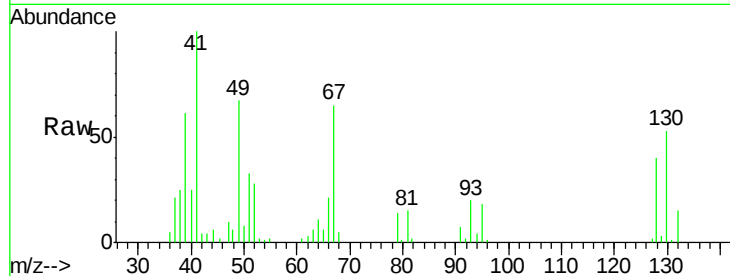
#41
Methacrylonitrile
Concen: 20.281 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.3	46.7	70.1	
67	74.5	57.0	85.6	
52	33.5	23.5	35.3	

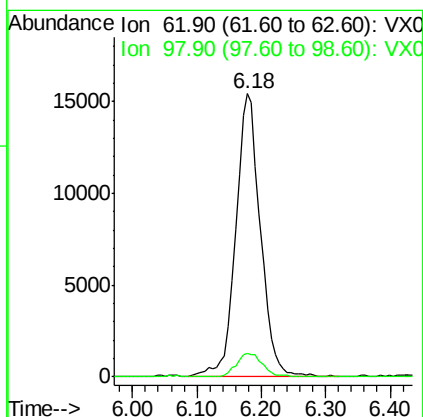
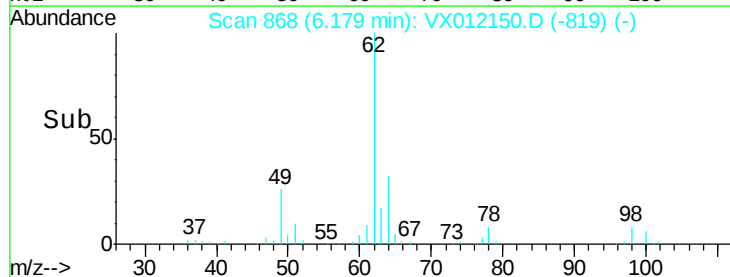
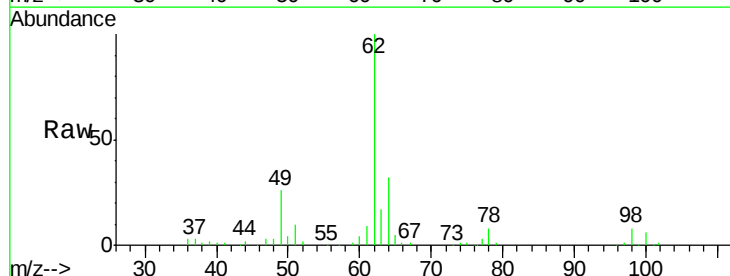
Manual Integrations
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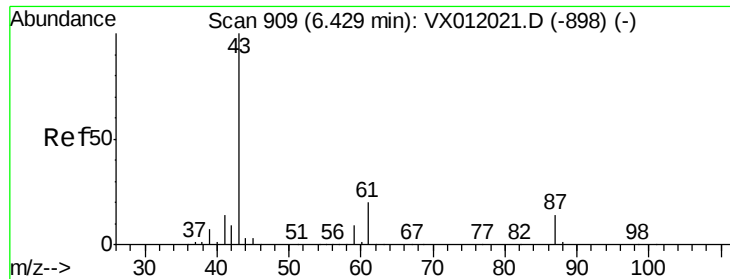
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.544 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	19.2	





#43

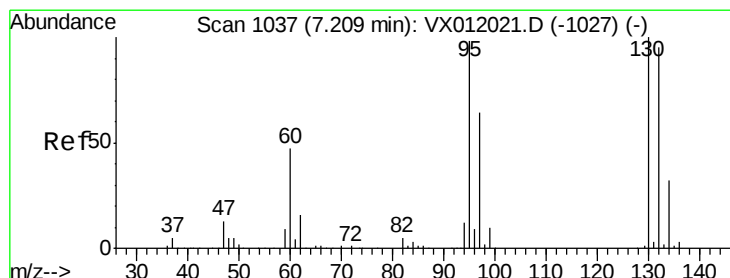
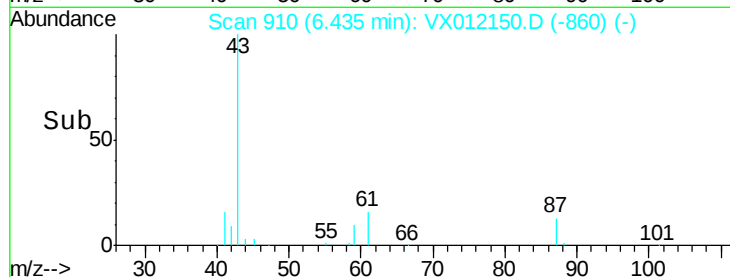
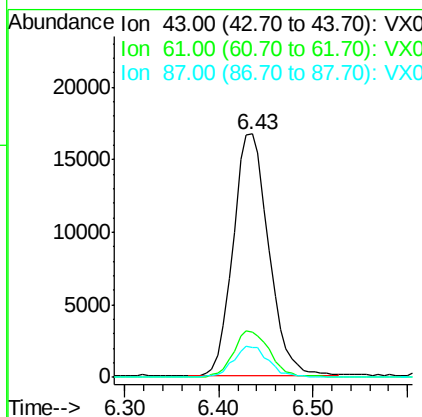
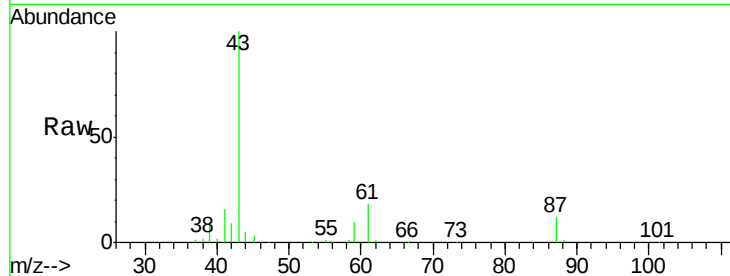
Isopropyl Acetate
 Concen: 20.499 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	43	61	87
Resp	43750		
Ratio	100	19.7	13.0
Lower		16.1	11.3
Upper		24.1	16.9

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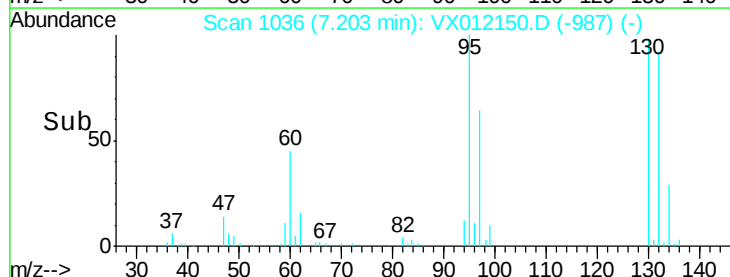
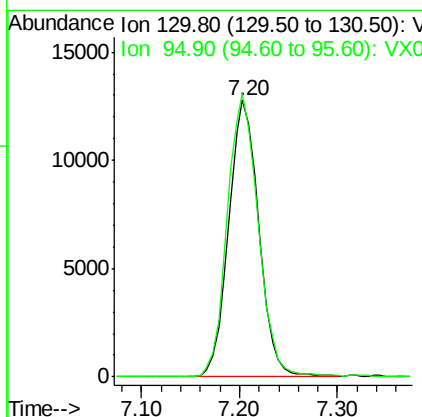
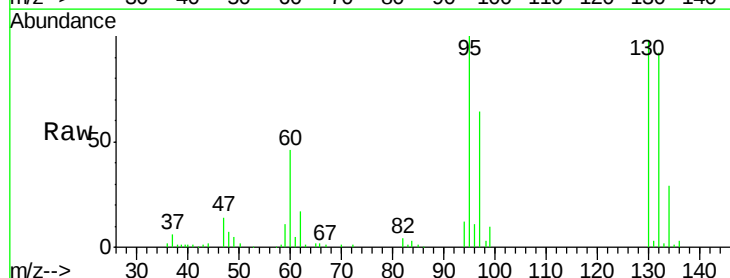
MMDadoda
 9/9/2019 10:50:09 AM

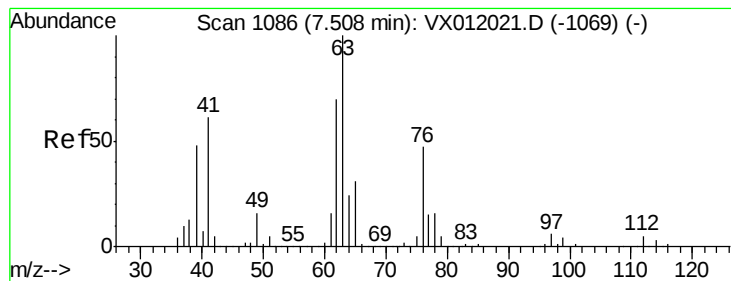


#44

Trichloroethene
 Concen: 18.285 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Tgt Ion	130	95
Resp	27328	
Ratio	100	102.4
Lower		0.0
Upper		176.4





#45

1,2-Dichloropropane

Concen: 19.565 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 63 Resp: 28010

Ion Ratio Lower Upper

63 100

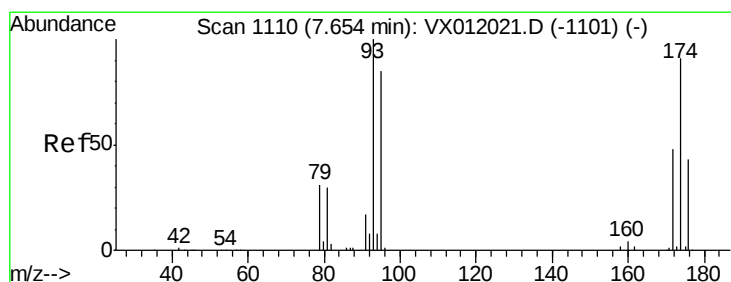
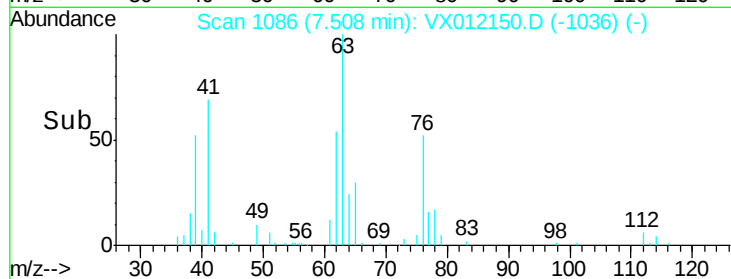
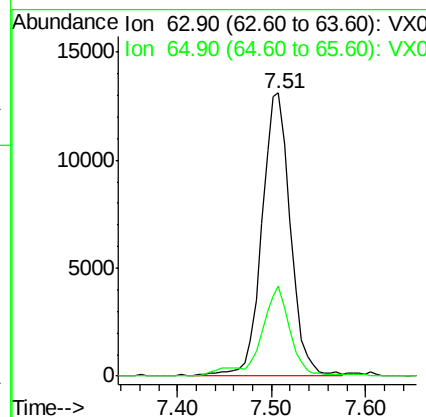
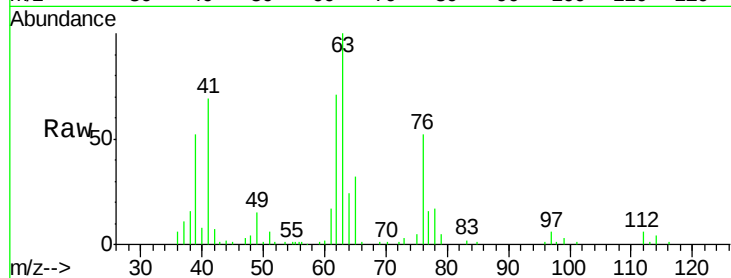
65 32.0 25.0 37.6

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#46

Dibromomethane

Concen: 19.613 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

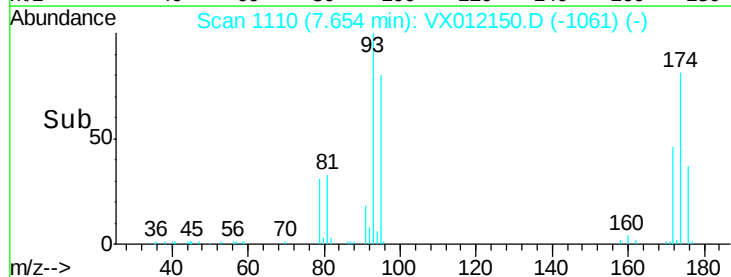
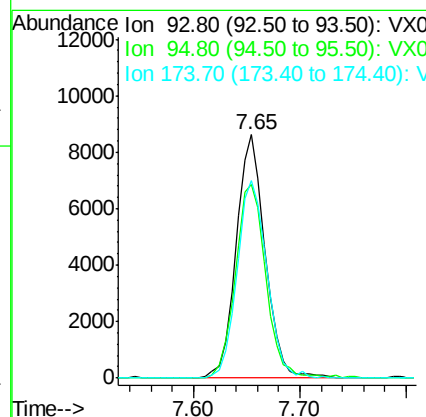
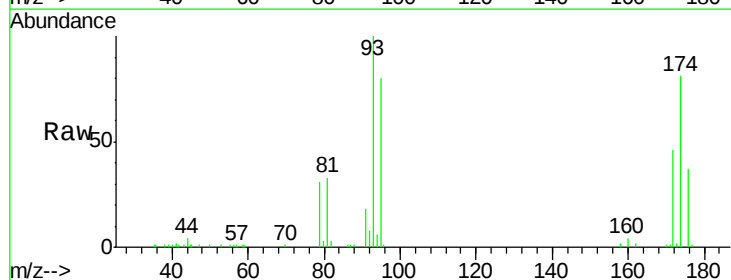
Tgt Ion: 93 Resp: 16391

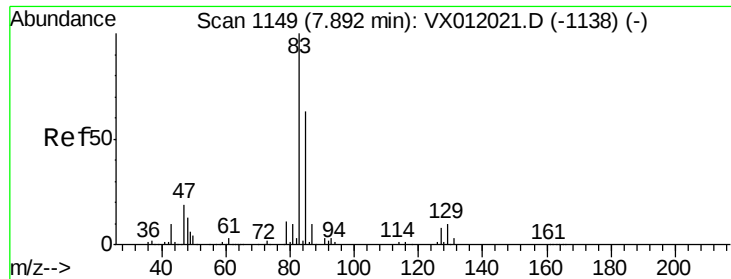
Ion Ratio Lower Upper

93 100

95 84.2 66.2 99.2

174 84.1 110.2 165.4#





#47

Bromodichloromethane

Concen: 18.945 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

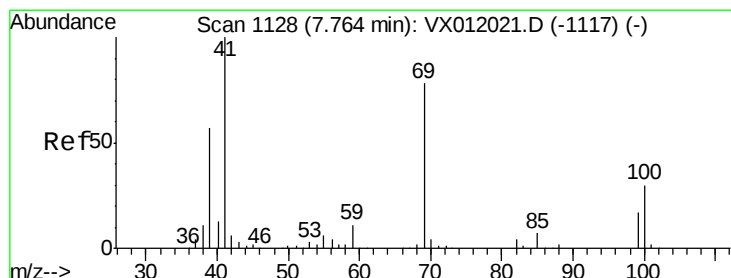
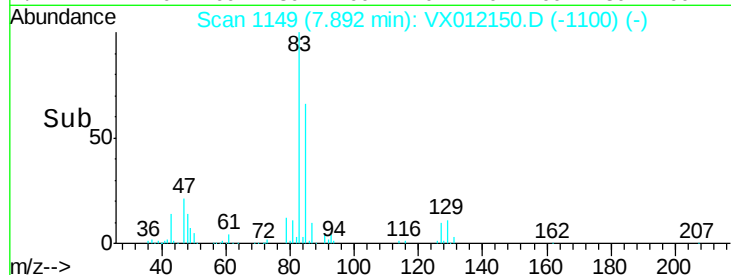
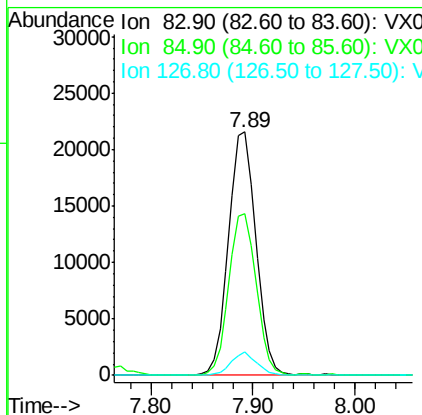
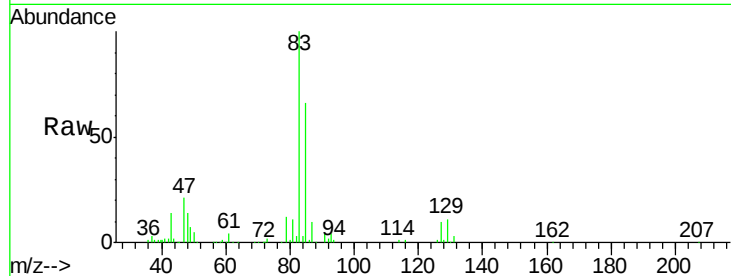
ClientSampleId :

VX0906SBS01

Tot Ion:	83	Resp:	40245
Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.3	75.5
127	9.8	8.1	12.1

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#48

Methyl methacrylate

Concen: 19.990 ug/l

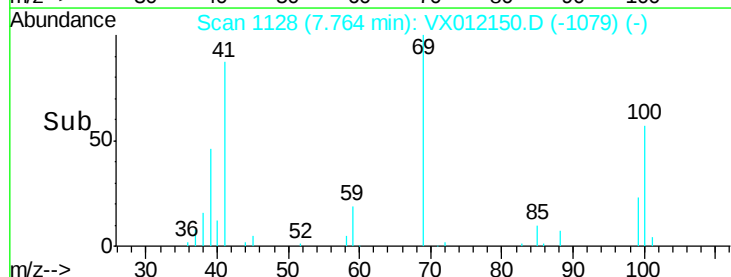
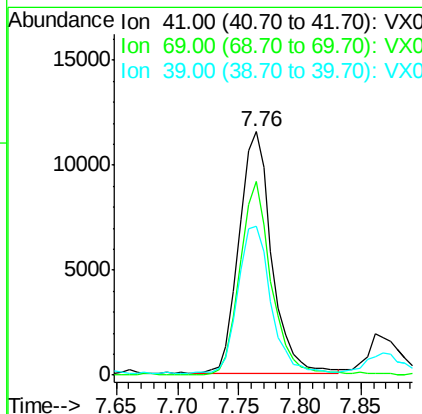
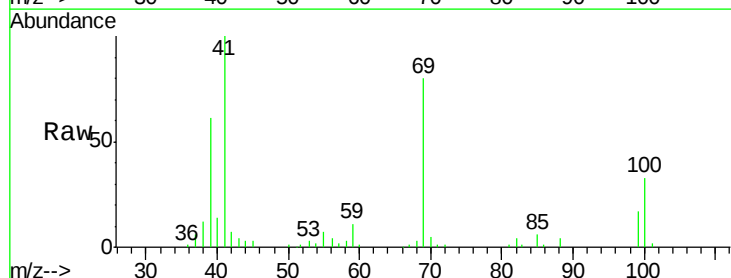
RT: 7.76 min Scan# 1128

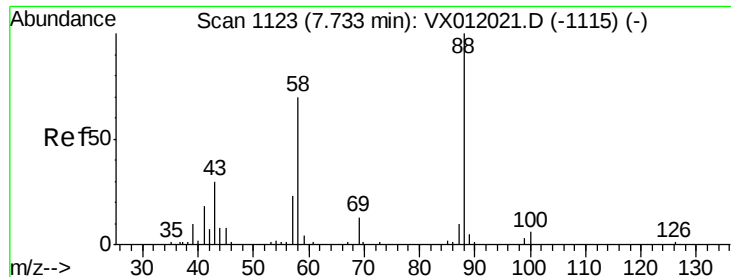
Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Tgt Ion:	41	Resp:	21451
Ion	Ratio	Lower	Upper
41	100		
69	77.7	66.3	99.5
39	61.2	48.1	72.1





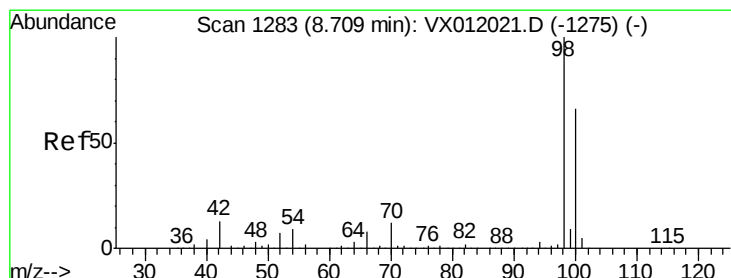
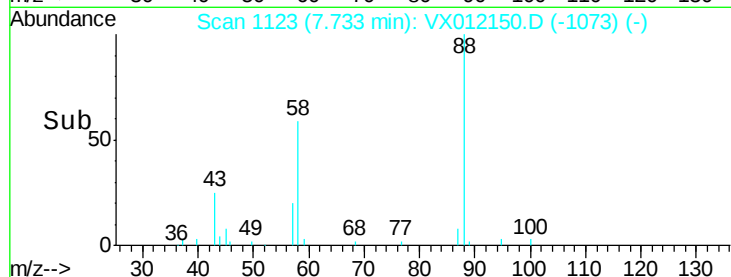
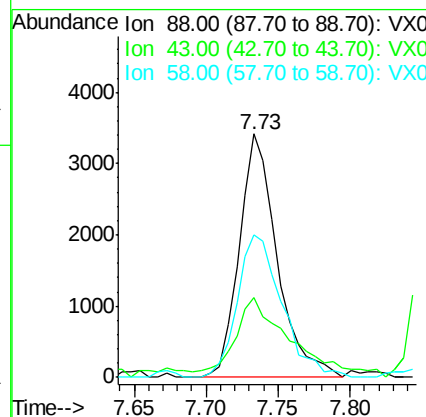
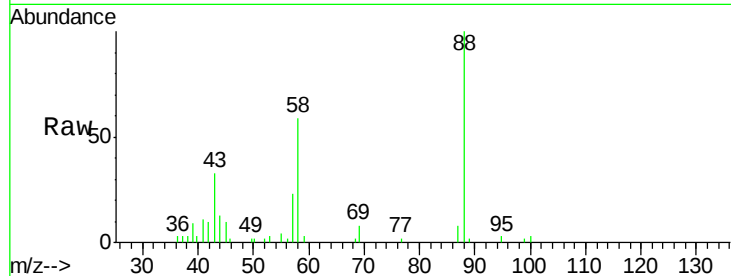
#49
1,4-Dioxane
Concen: 425.670 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.1	29.8	44.6#
58	69.3	55.4	83.2

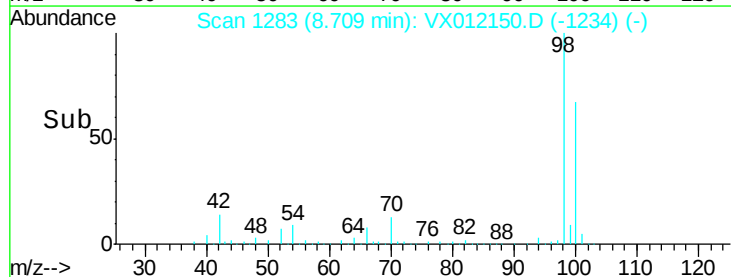
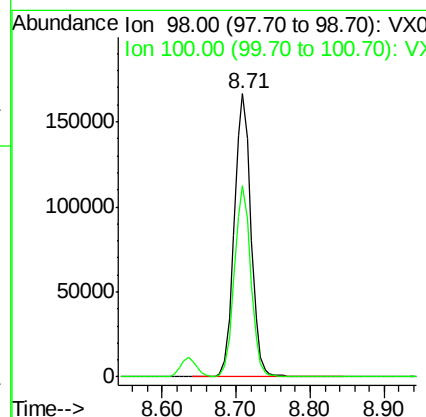
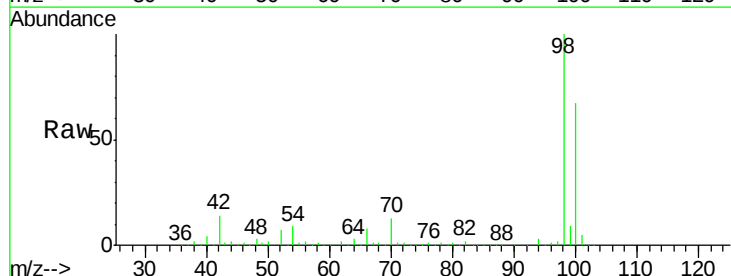
Manual Integrations
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#50
Toluene-d8
Concen: 52.893 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 104.617 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

VX0906SBS01

Tot Ion: 43 Resp: 113567

Ion Ratio Lower Upper

43 100

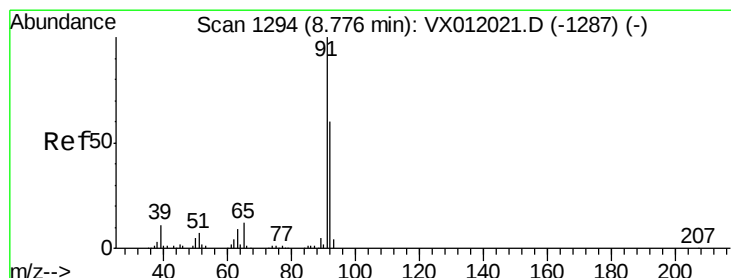
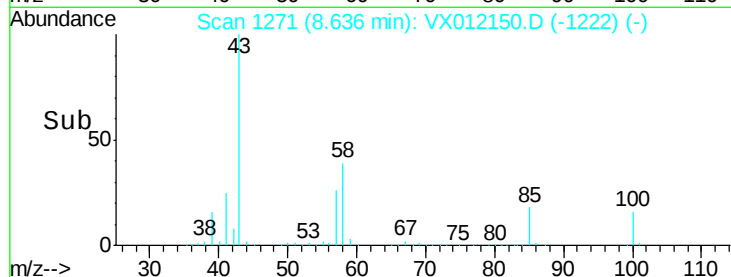
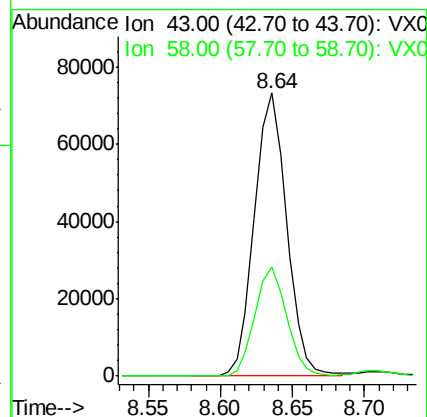
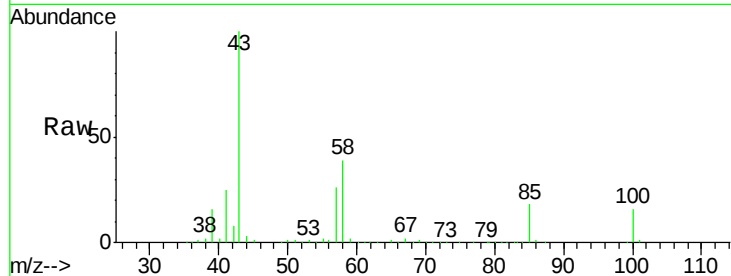
58 38.2 31.5 47.3

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#52

Toluene

Concen: 18.681 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012150.D

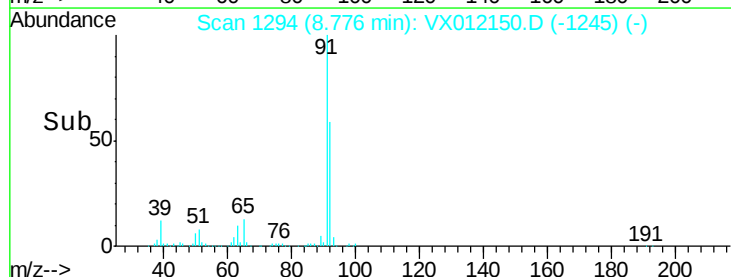
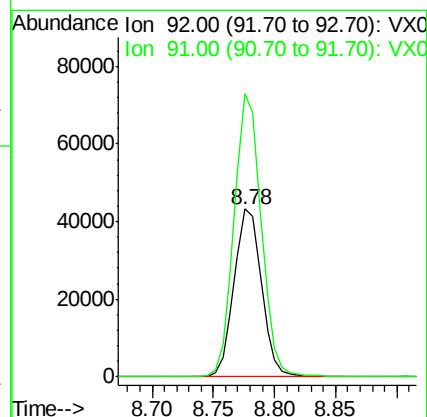
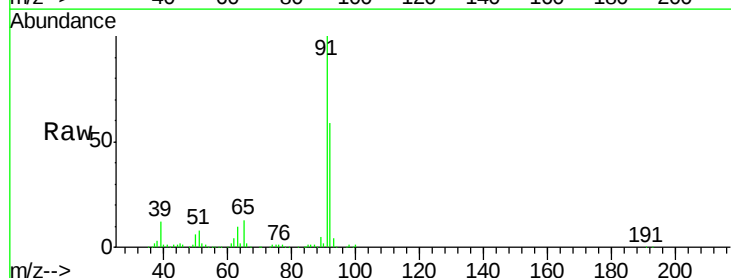
Acq: 06 Sep 2019 16:09

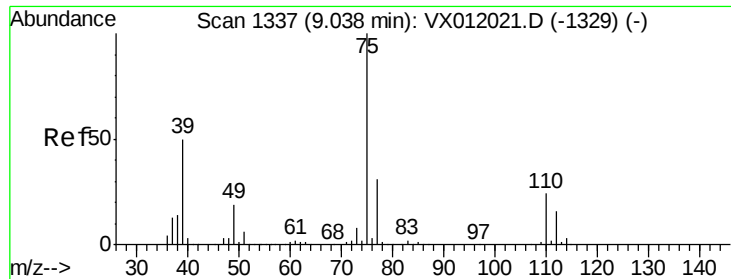
Tgt Ion: 92 Resp: 67352

Ion Ratio Lower Upper

92 100

91 166.2 136.0 204.0





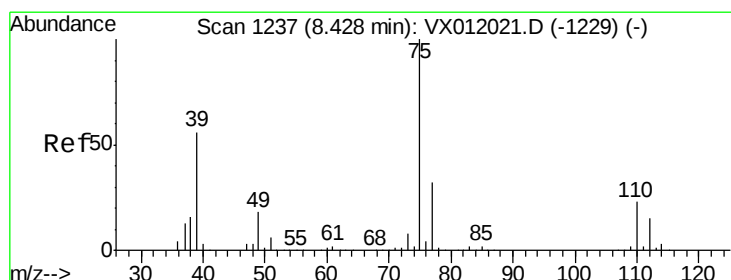
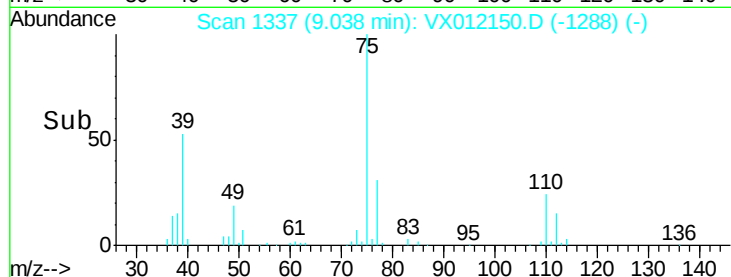
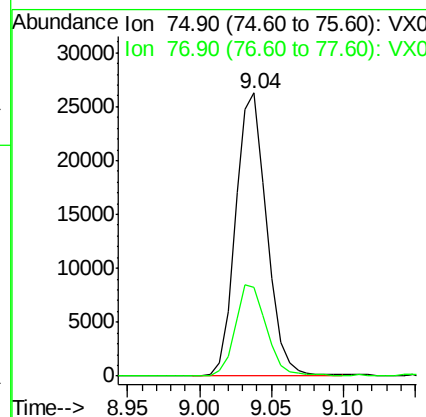
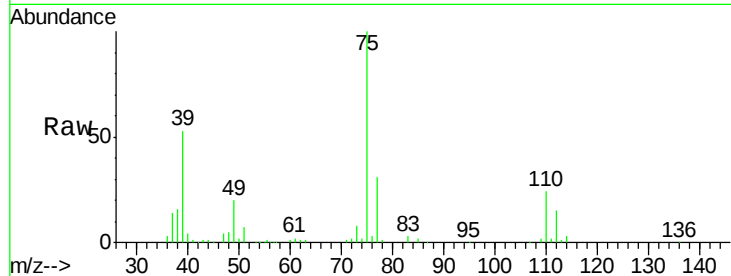
#53
t-1,3-Dichloropropene
Concen: 17.987 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion: 75 Resp: 39559
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7

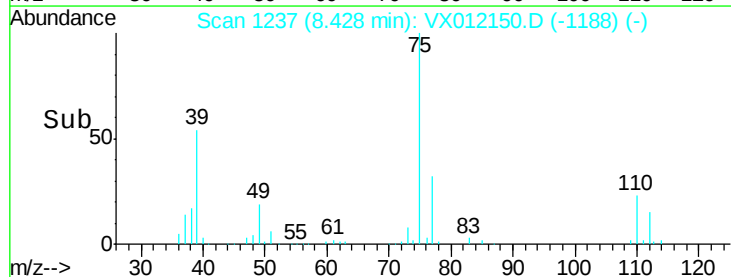
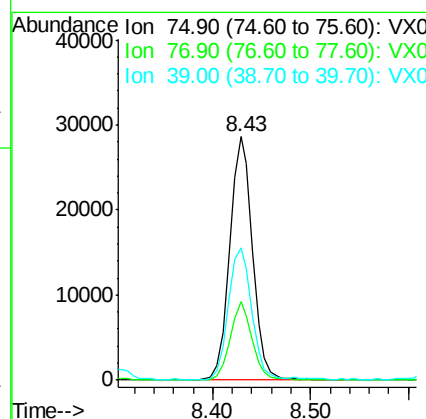
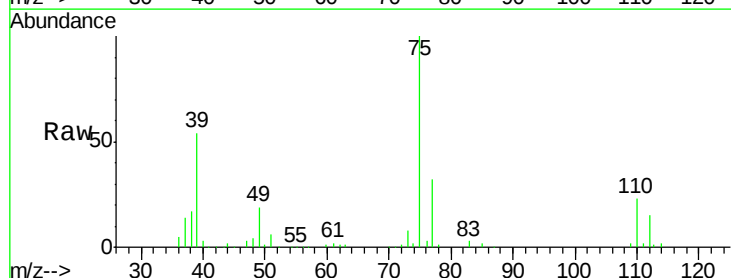
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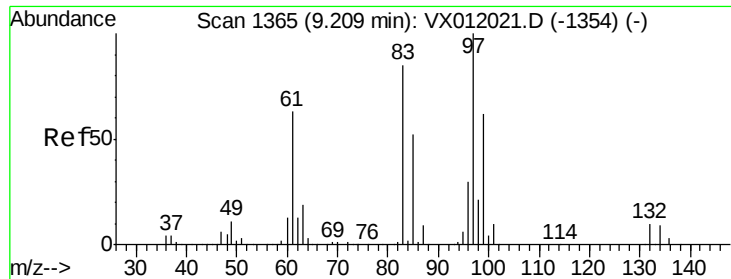
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#54
cis-1,3-Dichloropropene
Concen: 18.846 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion: 75 Resp: 46091
Ion Ratio Lower Upper
75 100
77 32.0 25.5 38.3
39 53.9 43.0 64.4





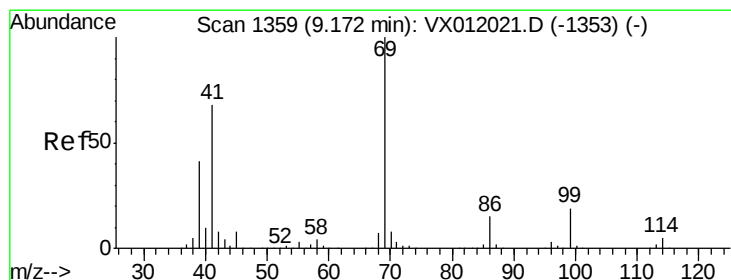
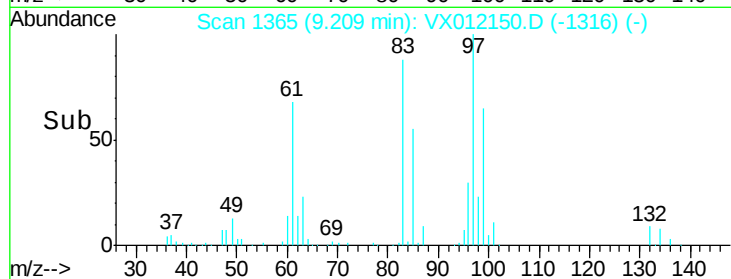
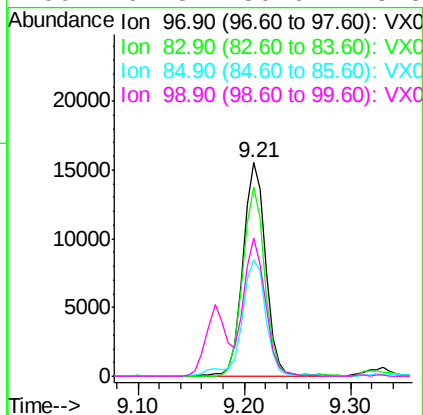
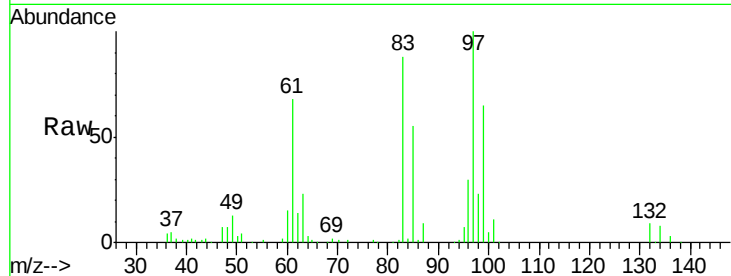
#55
 1,1,2-Trichloroethane
 Concen: 19.486 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion:	97	Resp:	23282
Ion	Ratio	Lower	Upper
97	100		
83	88.5	66.0	99.0
85	54.6	41.0	61.6
99	64.8	50.6	75.8

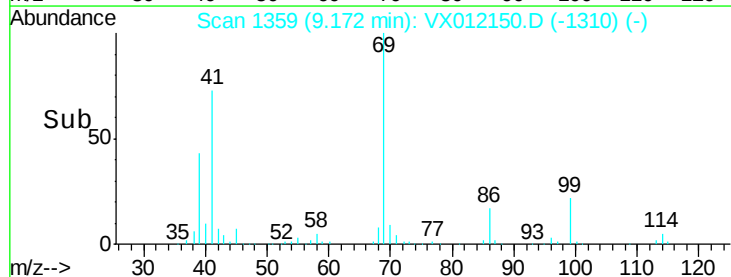
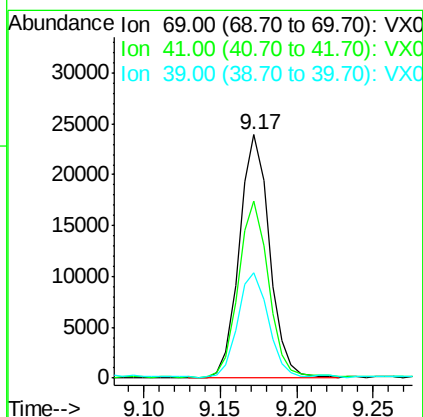
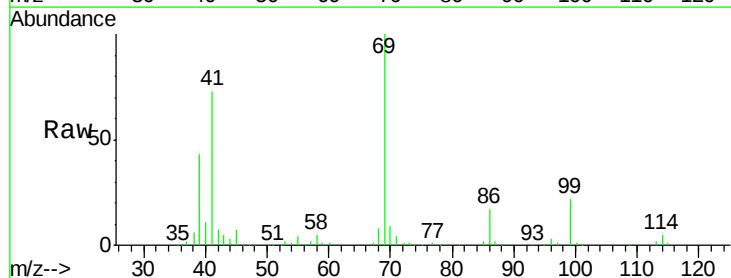
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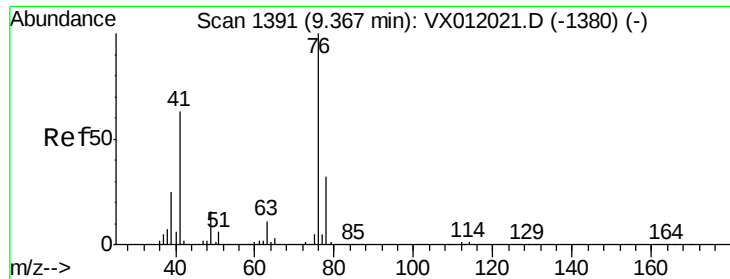
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#56
 Ethyl methacrylate
 Concen: 19.221 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Tgt Ion:	69	Resp:	32895
Ion	Ratio	Lower	Upper
69	100		
41	72.6	53.9	80.9
39	43.0	31.1	46.7





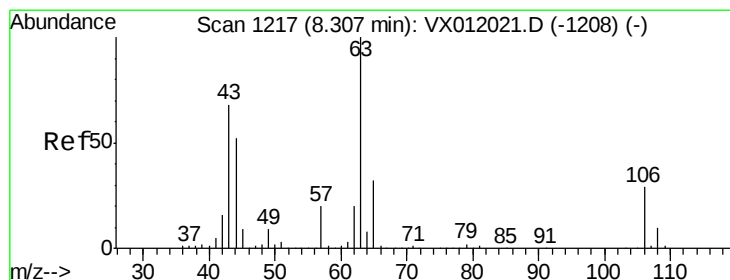
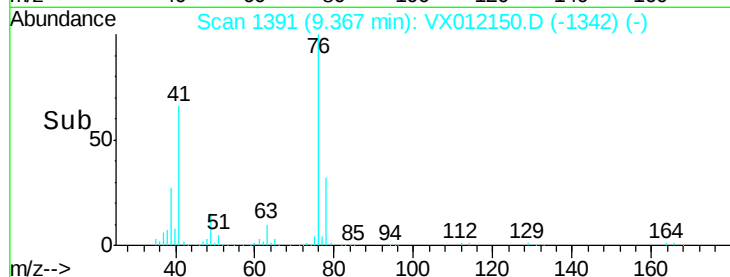
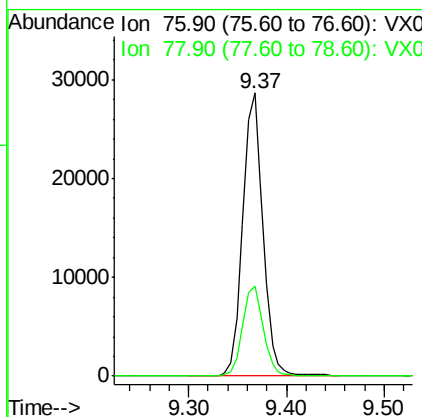
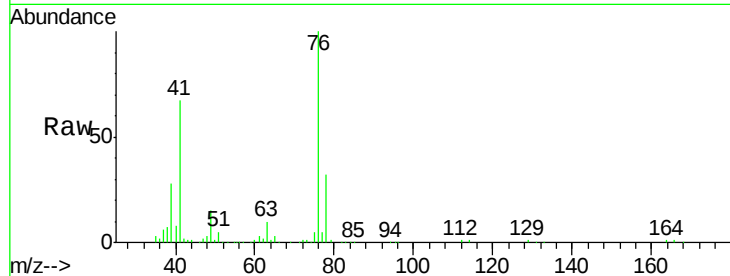
#57
 1,3-Dichloropropane
 Concen: 19.962 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion: 76 Resp: 41158
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.5 38.3

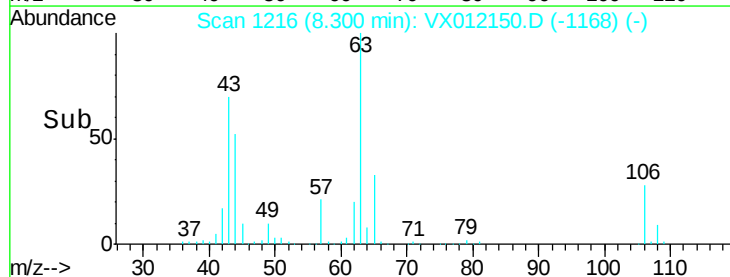
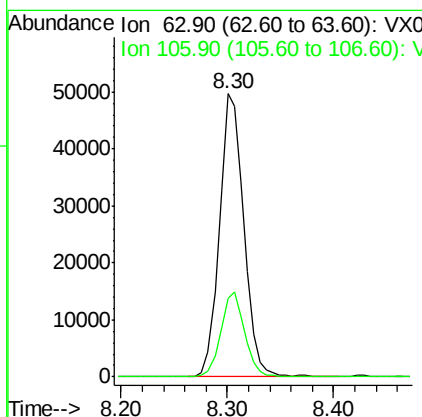
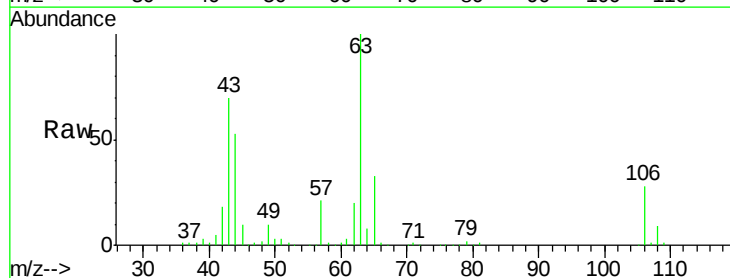
Manual Integrations
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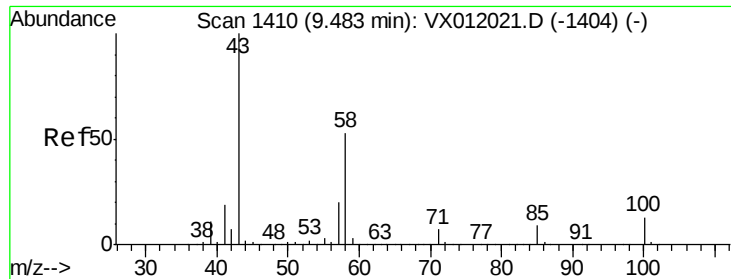
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 9/9/2019 10:50:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.104 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Tgt Ion: 63 Resp: 78782
 Ion Ratio Lower Upper
 63 100
 106 29.7 26.5 39.7





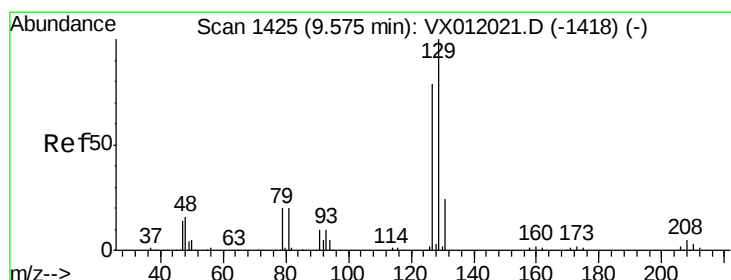
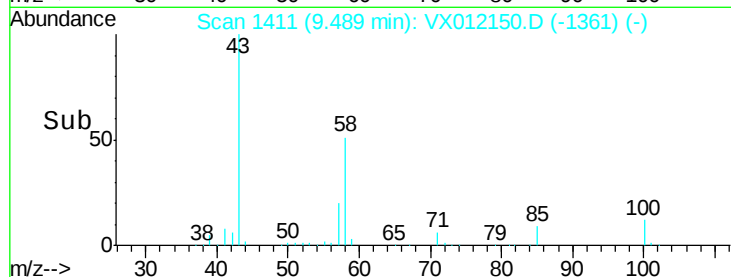
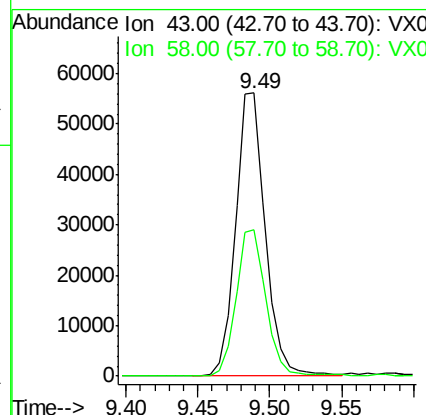
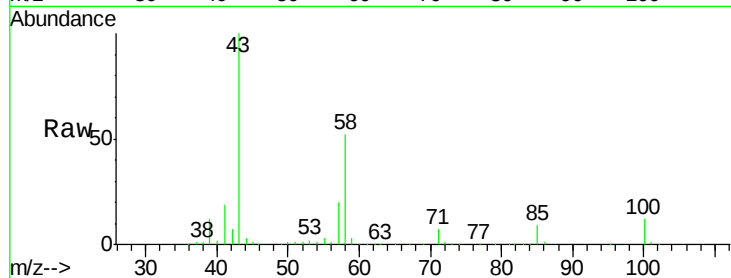
#59
2-Hexanone
Concen: 101.684 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion: 43 Resp: 80544
Ion Ratio Lower Upper
43 100
58 51.9 27.2 81.6

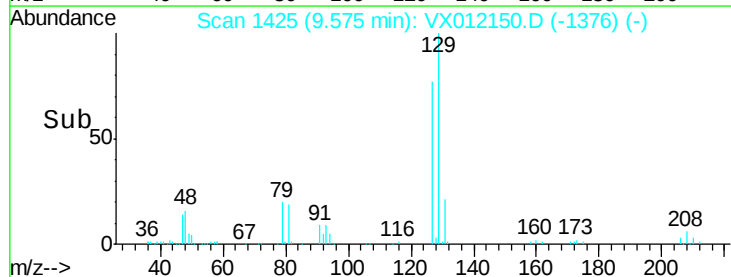
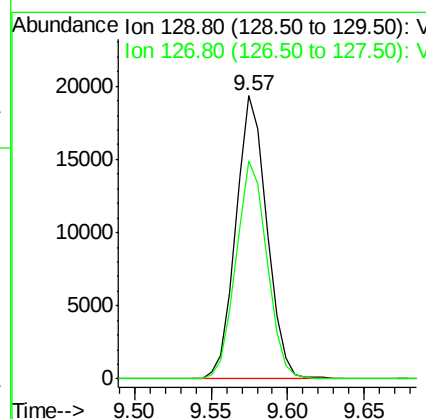
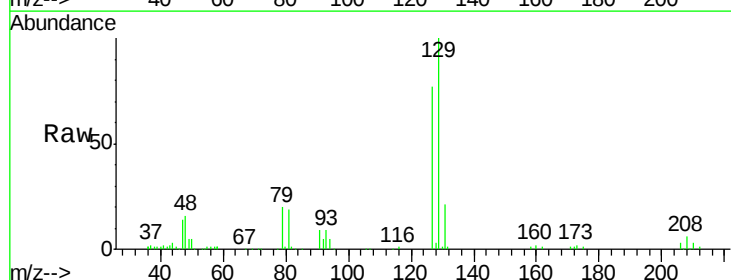
Manual Integrations
APPROVED

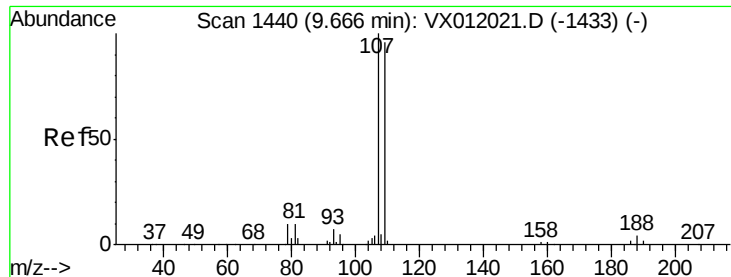
MMDadoda
9/9/2019 10:50:09 AM



#60
Dibromochloromethane
Concen: 19.104 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion: 129 Resp: 27204
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.5





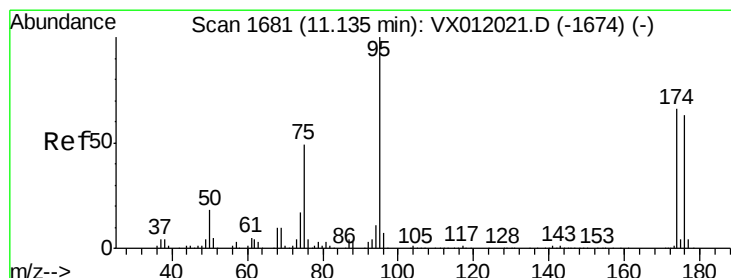
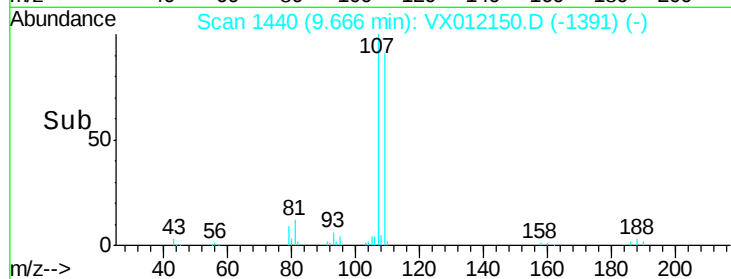
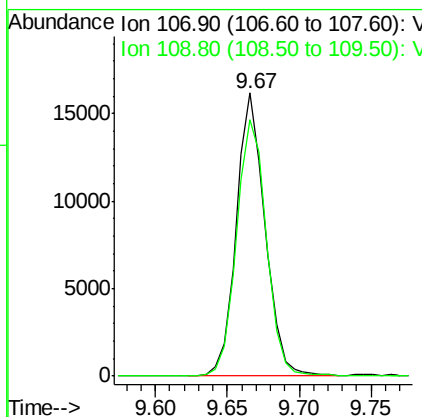
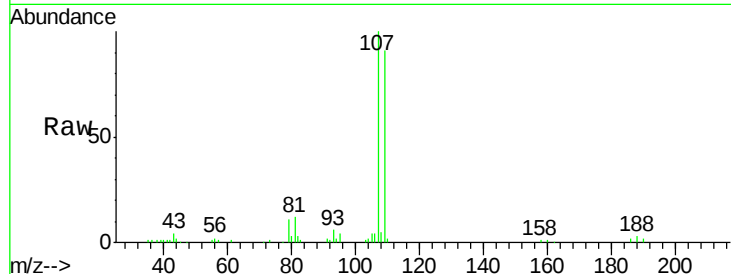
#61
 1,2-Dibromoethane
 Concen: 19.486 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.9	115.3

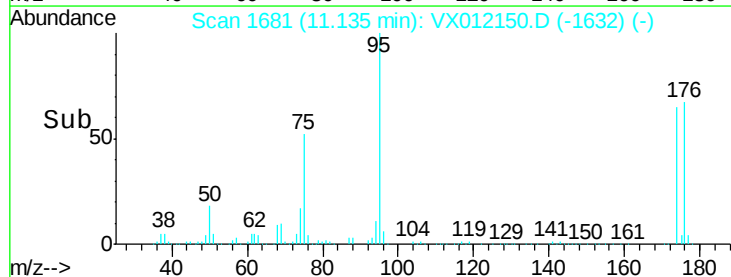
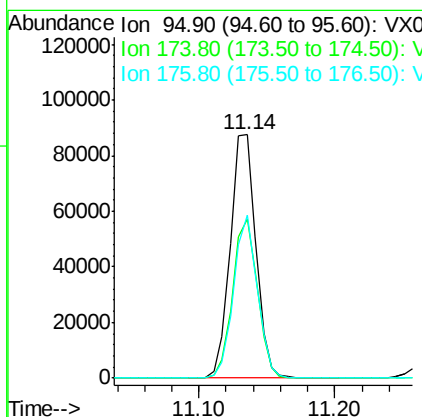
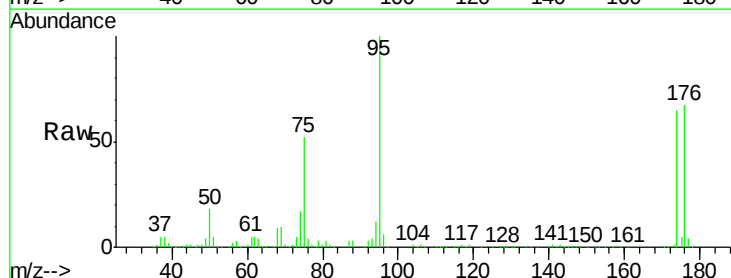
Manual Integrations
 APPROVED

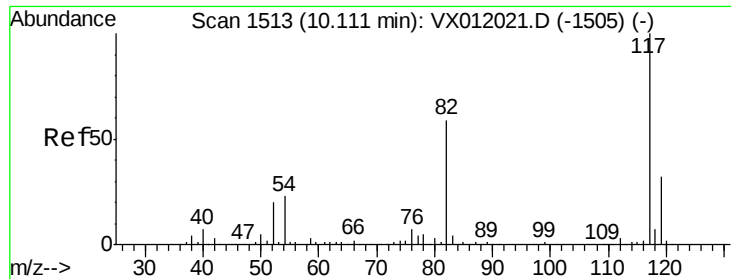
MMDadoda
 9/9/2019 10:50:09 AM



#62
 4-Bromofluorobenzene
 Concen: 50.020 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.2	0.0	205.4
176	61.8	0.0	201.8





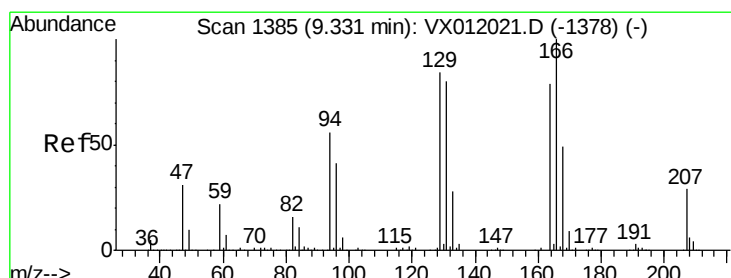
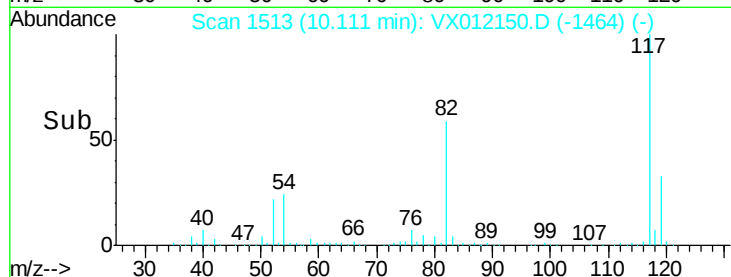
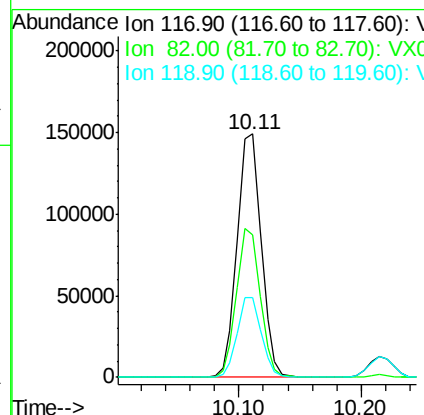
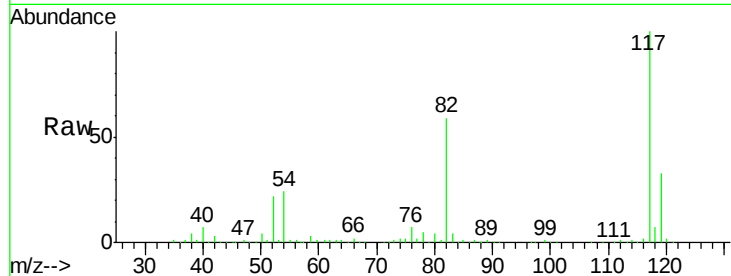
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	203418		
82	58.5	39.4	59.0	
119	32.8	26.1	39.1	

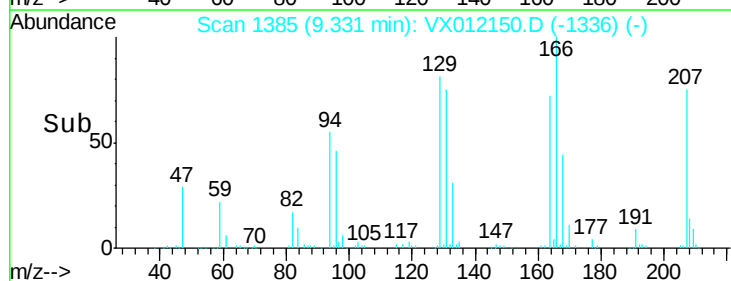
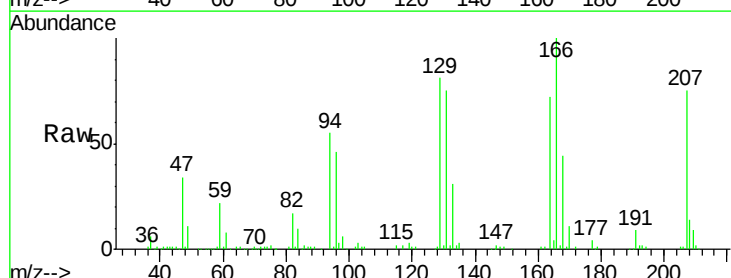
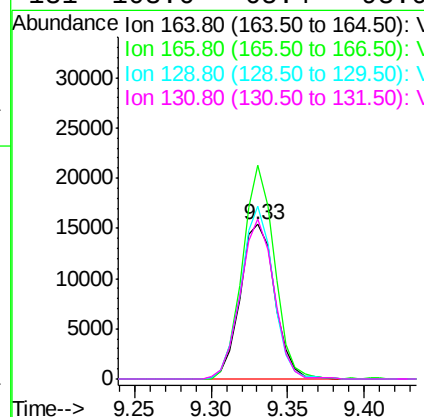
Manual Integrations
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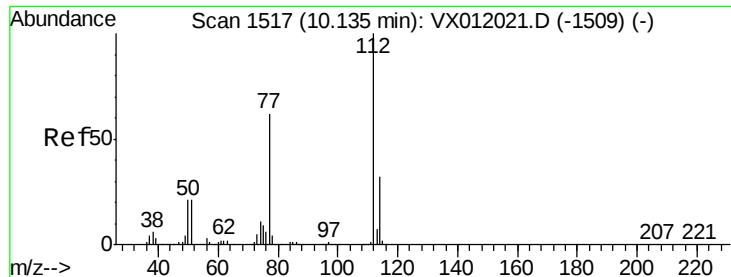
MMDadoda
9/9/2019 10:50:09 AM



#64
Tetrachloroethene
Concen: 19.071 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24186		
166	138.1	104.3	156.5	
129	112.0	68.3	102.5#	
131	103.6	65.4	98.0#	





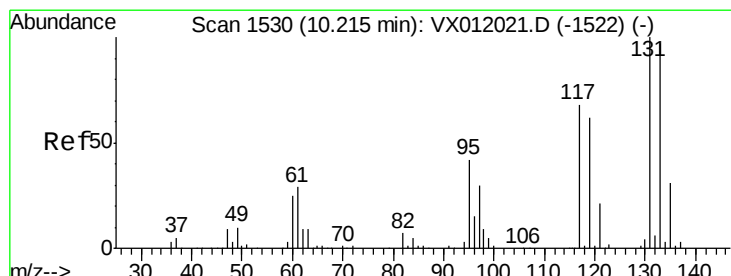
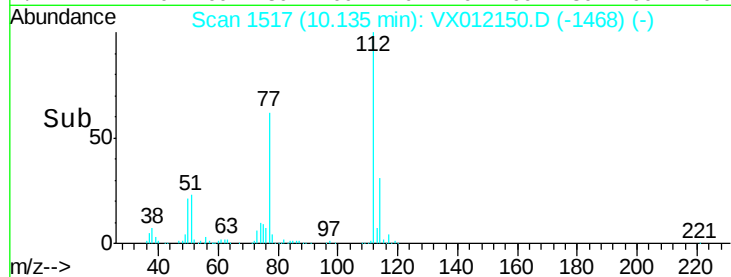
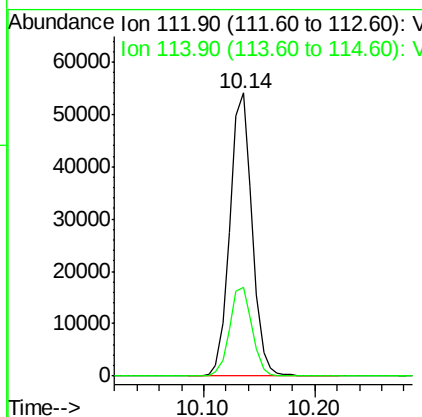
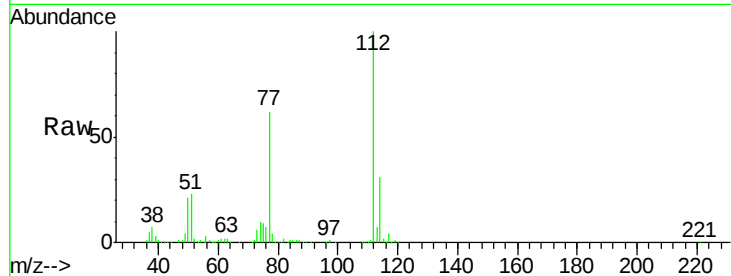
#65
Chlorobenzene
Concen: 18.522 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBSD01

Tot Ion:112 Resp: 74340
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.2

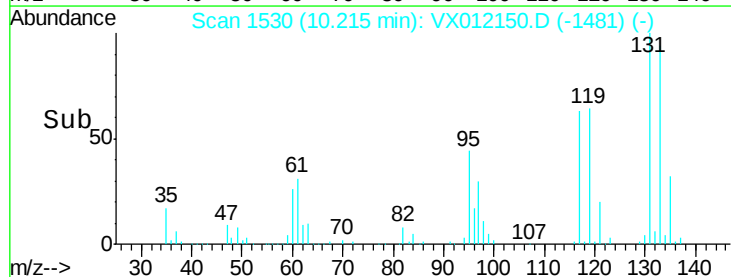
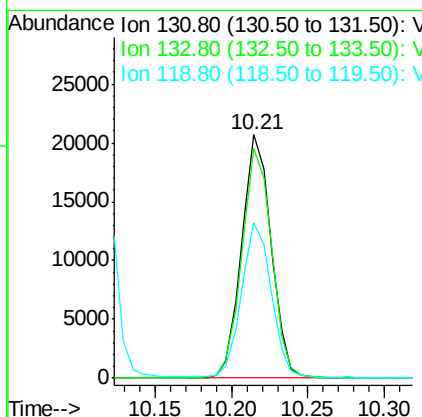
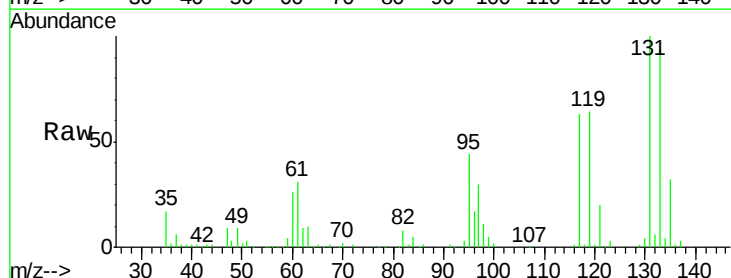
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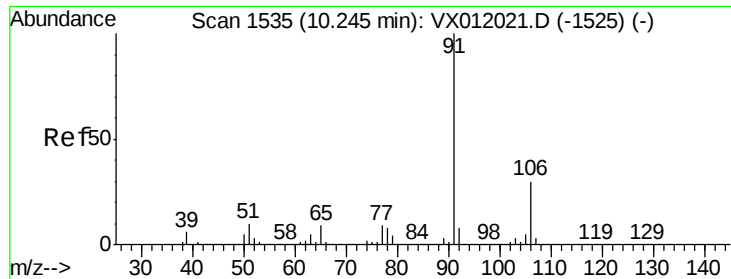
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.957 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion:131 Resp: 27820
Ion Ratio Lower Upper
131 100
133 95.2 48.4 145.0
119 63.7 30.5 91.5





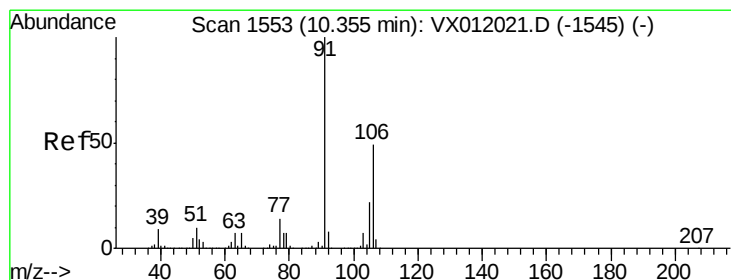
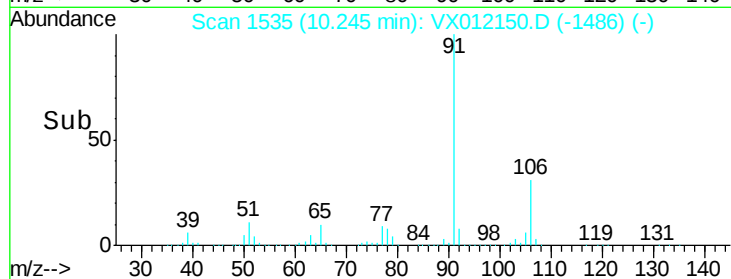
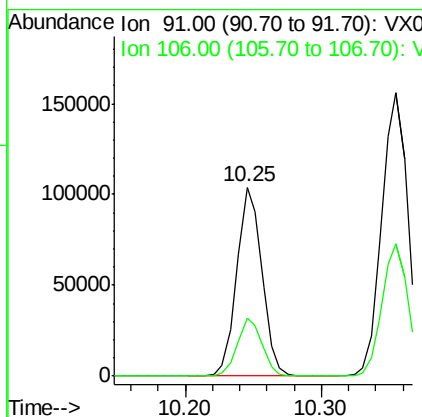
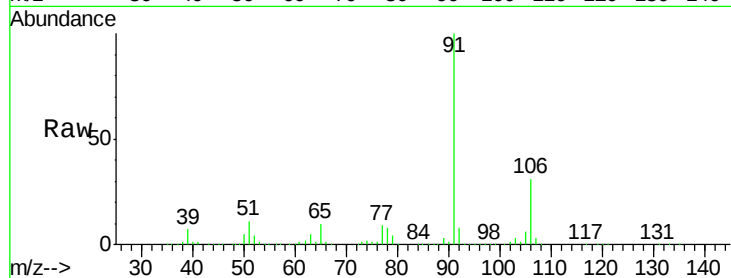
#67
Ethyl Benzene
Concen: 18.301 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampled :
VX0906SBS01

Tot Ion: 91 Resp: 133888
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.8

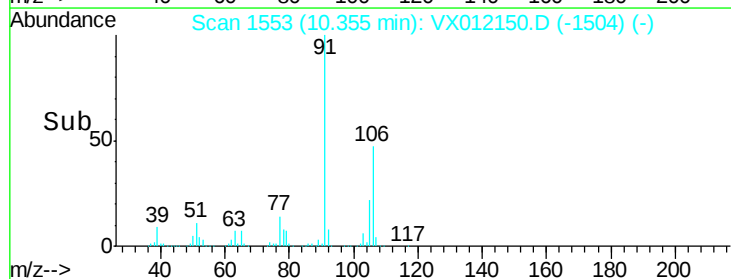
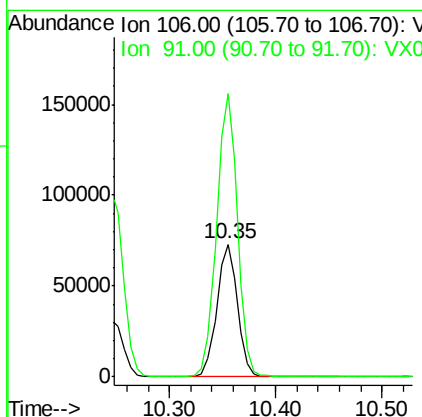
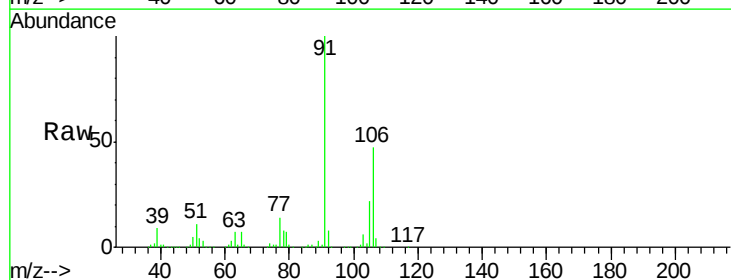
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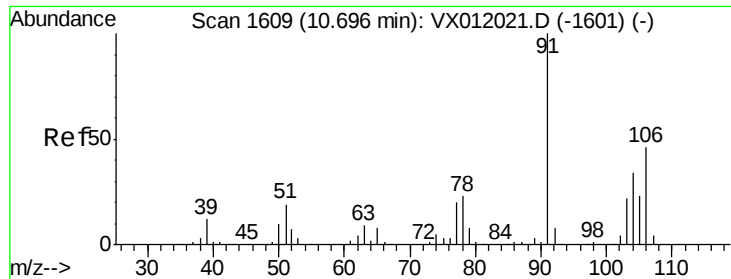
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#68
m/p-Xylenes
Concen: 36.220 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion: 106 Resp: 97631
Ion Ratio Lower Upper
106 100
91 215.8 157.5 236.3





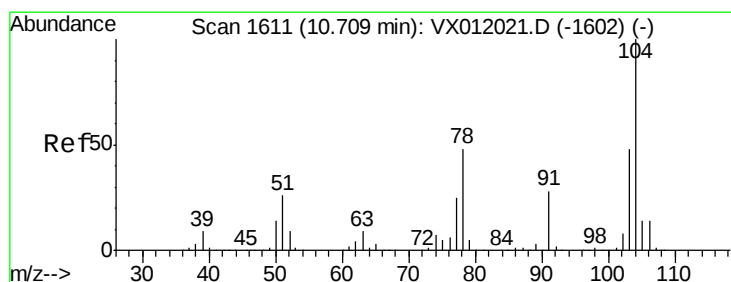
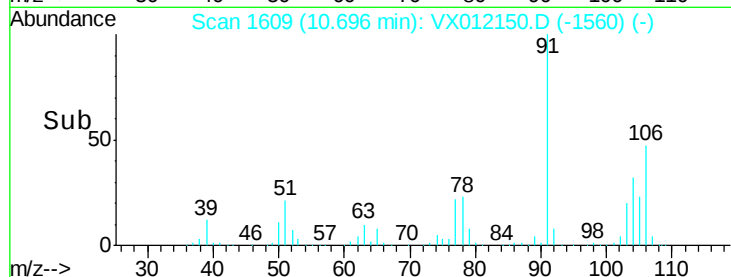
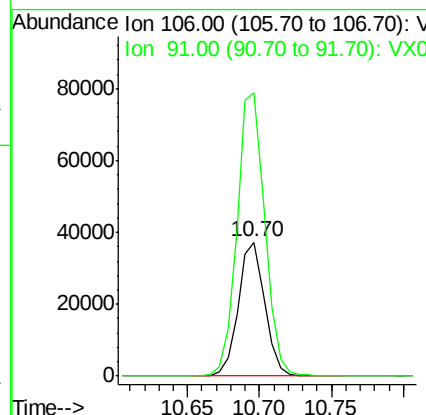
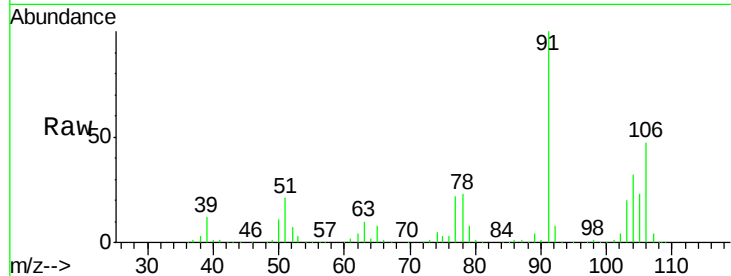
#69
o-Xylene
Concen: 18.249 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBSD01

Tot Ion:106 Resp: 47699
Ion Ratio Lower Upper
106 100
91 222.2 103.5 310.3

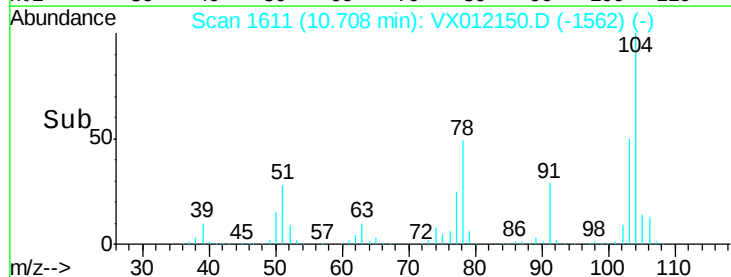
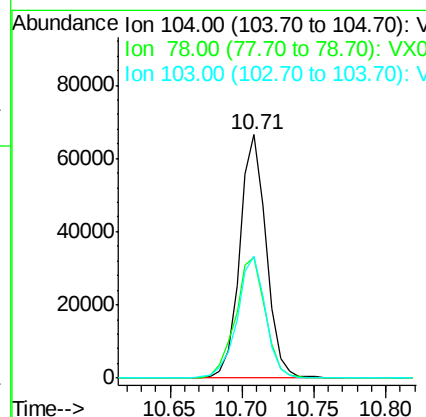
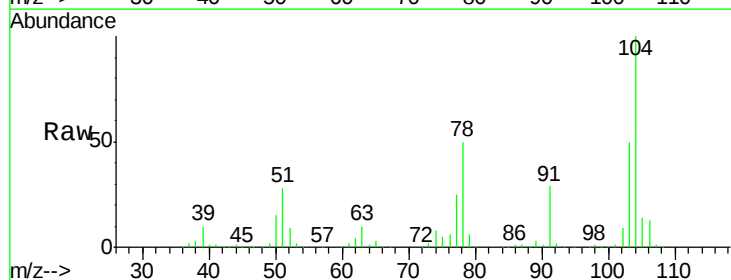
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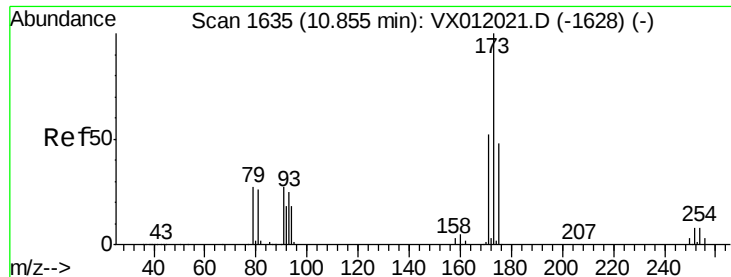
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#70
Styrene
Concen: 18.740 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion:104 Resp: 85077
Ion Ratio Lower Upper
104 100
78 56.7 39.1 58.7
103 53.8 43.4 65.2





#71

Bromoform

Concen: 18.310 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBSD01

Tot Ion:173 Resp: 14759

Ion Ratio Lower Upper

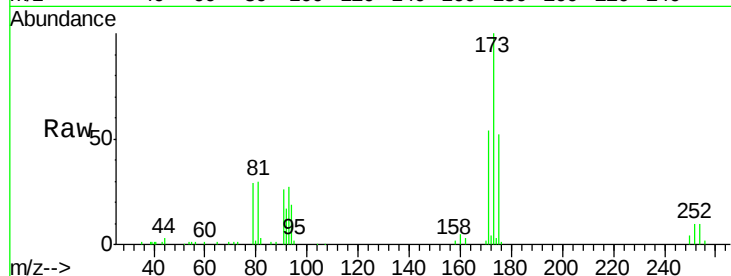
173 100

175 47.4 24.9 74.7

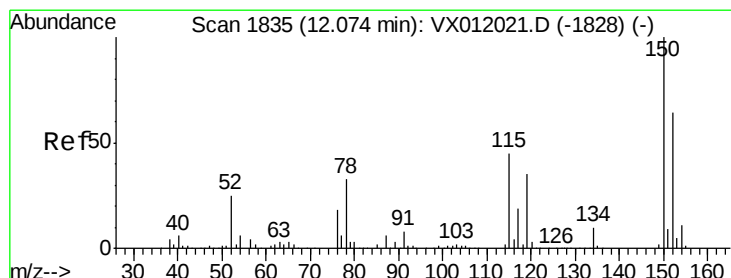
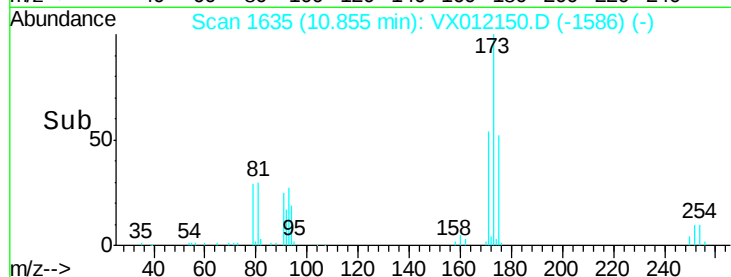
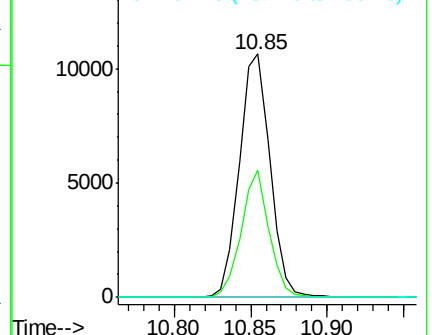
254 0.0 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

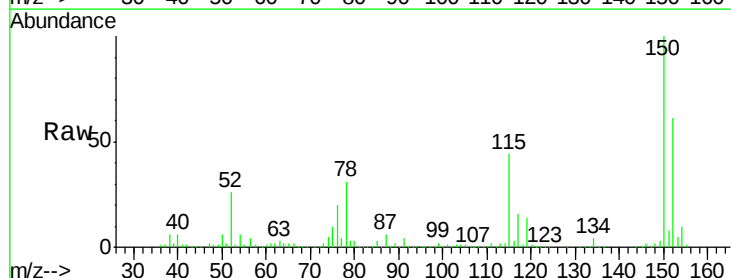
Tgt Ion:152 Resp: 97777

Ion Ratio Lower Upper

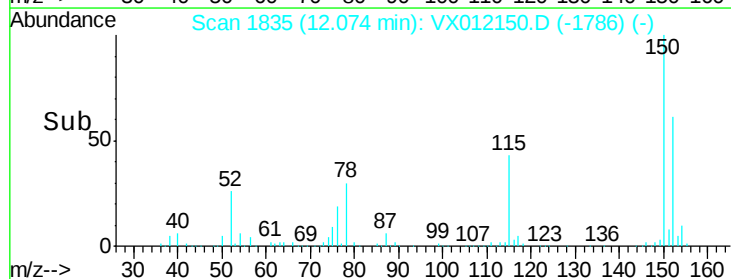
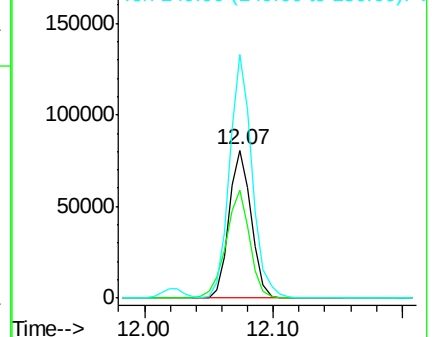
152 100

115 77.9 36.4 109.3

150 167.0 0.0 341.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.308 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion:105 Resp: 131343

Ion Ratio Lower Upper

105 100

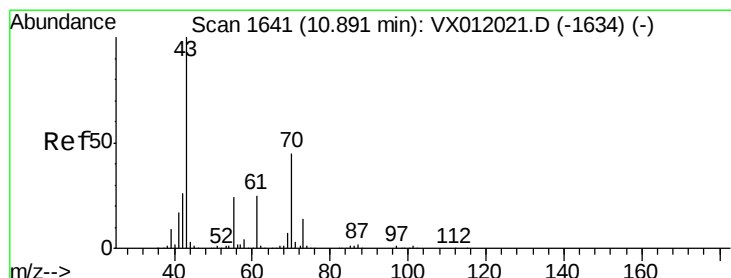
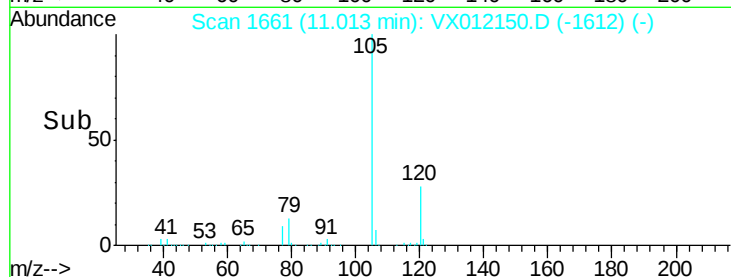
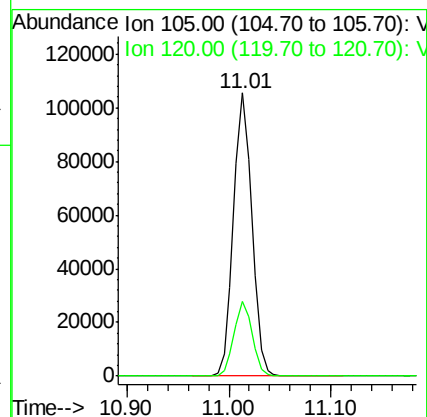
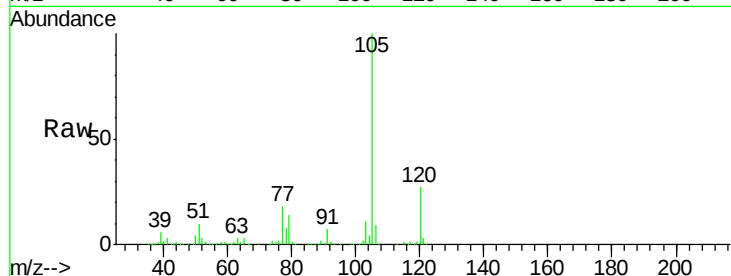
120 26.2 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.487 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Tgt Ion: 43 Resp: 41335

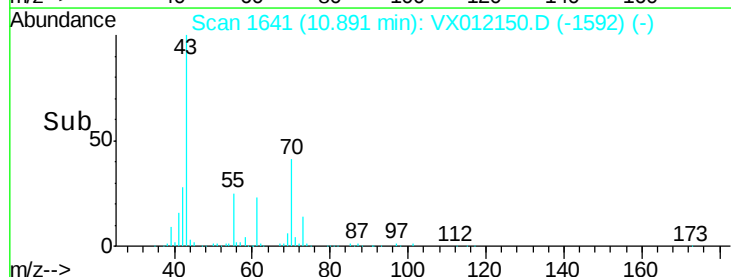
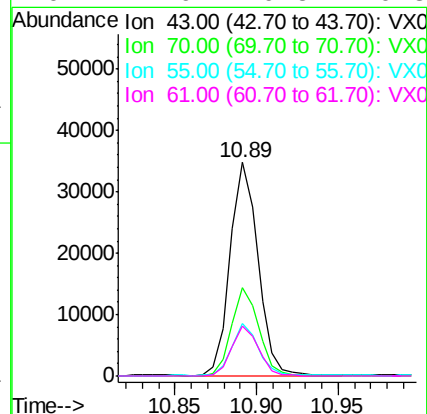
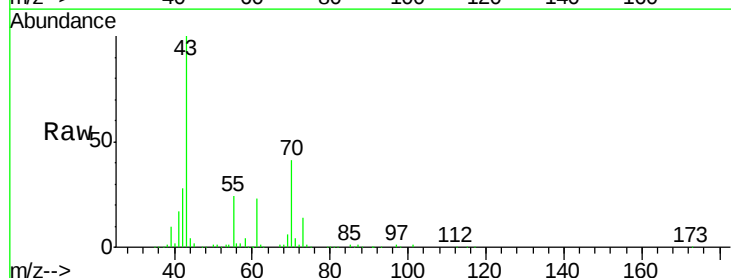
Ion Ratio Lower Upper

43 100

70 41.1 34.4 51.6

55 22.9 18.5 27.7

61 22.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.359 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

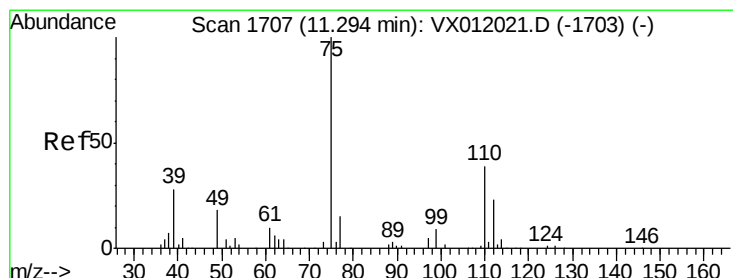
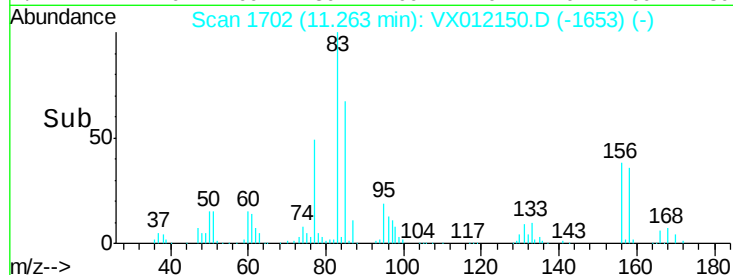
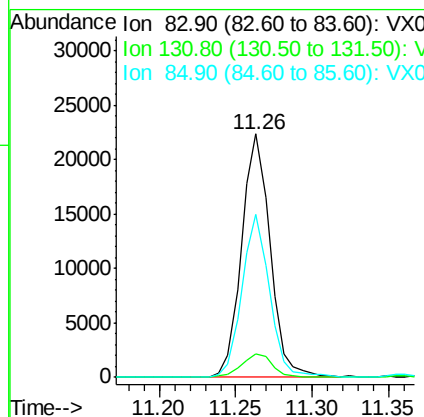
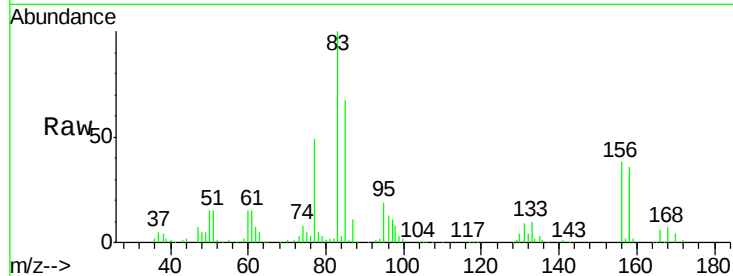
ClientSampleId :

VX0906SBS01

Tot Ion:	83	Resp:	28954
Ion Ratio	Lower	Upper	
83	100		
131	10.3	6.3	19.1
85	64.9	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.105 ug/l m

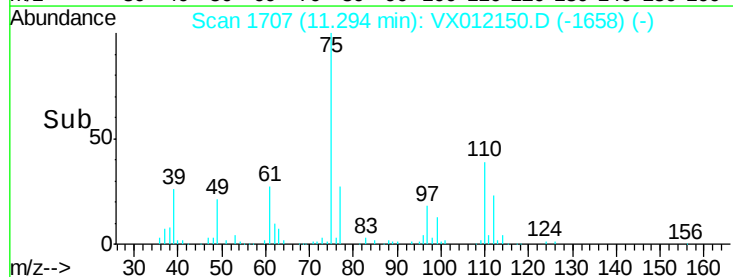
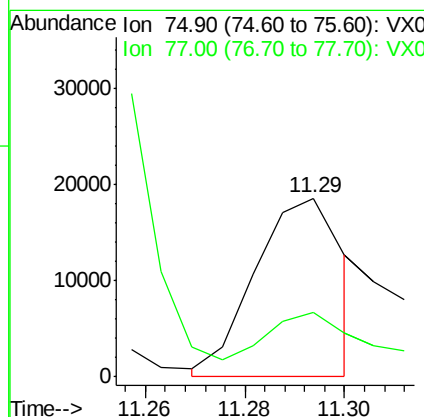
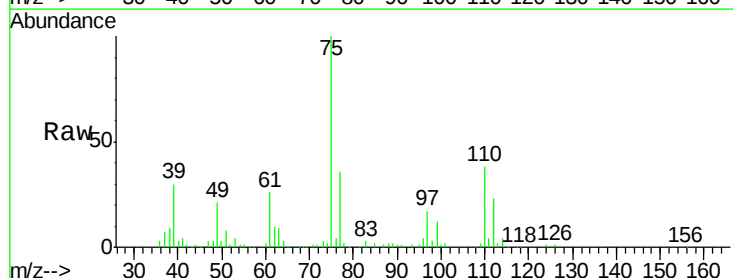
RT: 11.29 min Scan# 1707

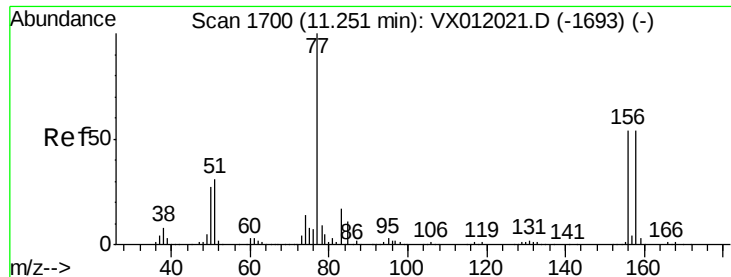
Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Tgt Ion:	75	Resp:	22824
Ion Ratio	Lower	Upper	
75	100		
77	45.7	23.5	70.5





#77

Bromobenzene

Concen: 18.940 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBSD01

Tot Ion:156 Resp: 30389

Ion Ratio Lower Upper

156 100

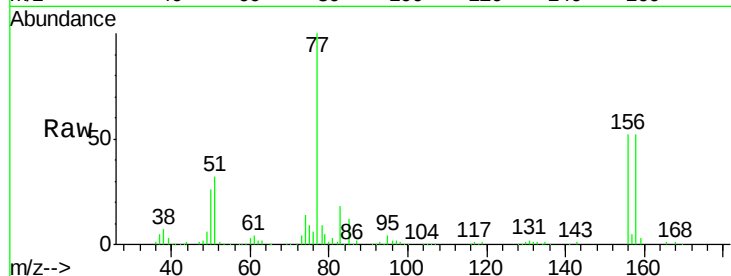
77 189.2 63.4 190.2

158 97.4 48.9 146.6

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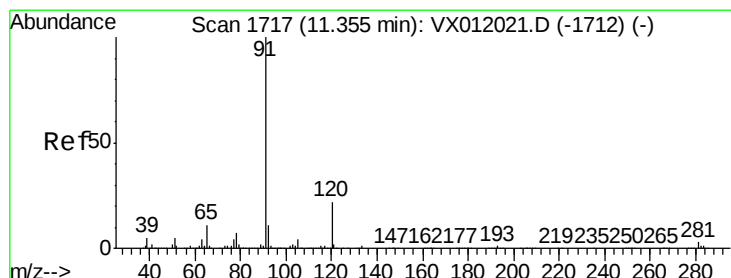
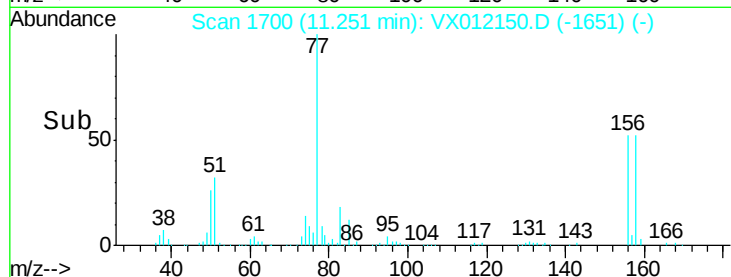
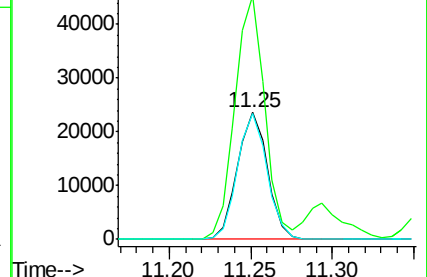
9/9/2019 10:50:09 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.551 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012150.D

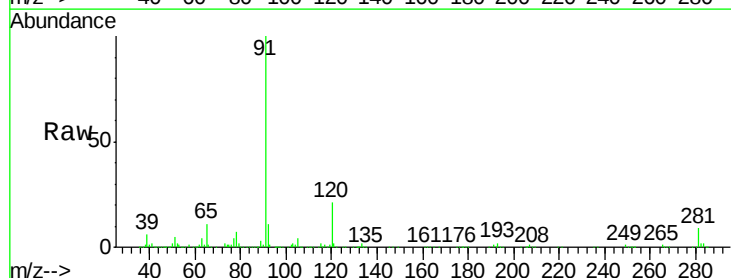
Acq: 06 Sep 2019 16:09

Tgt Ion: 91 Resp: 160784

Ion Ratio Lower Upper

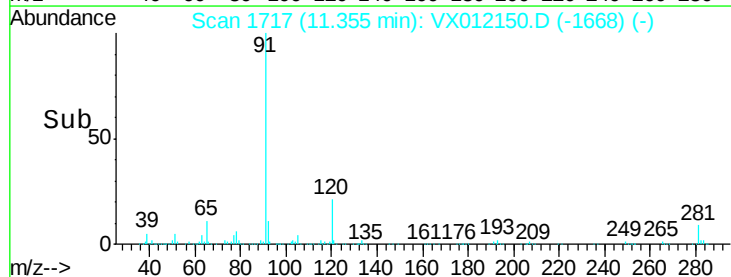
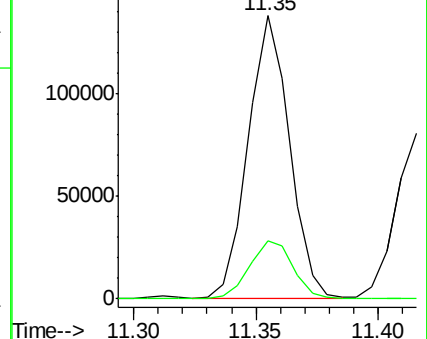
91 100

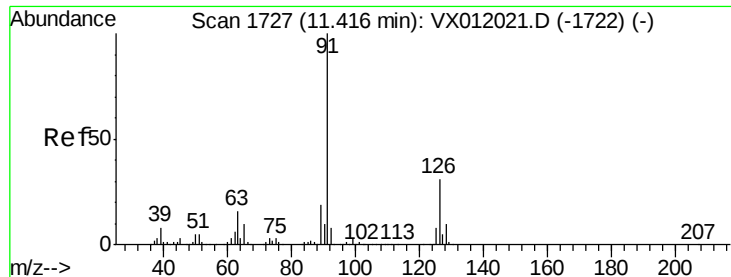
120 21.7 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.637 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 91 Resp: 97860

Ion Ratio Lower Upper

91 100

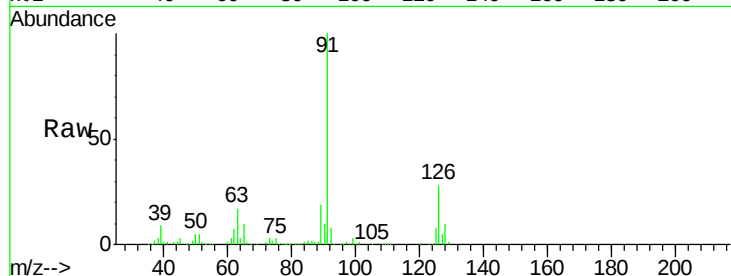
126 30.7 18.6 55.8

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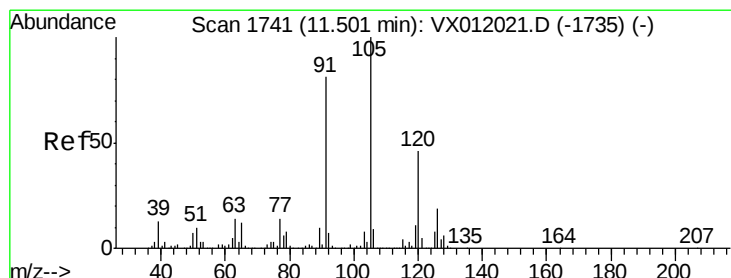
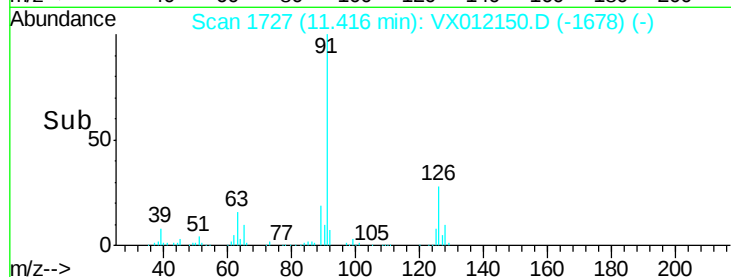
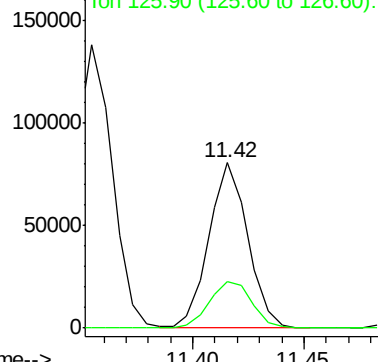
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Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.305 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012150.D

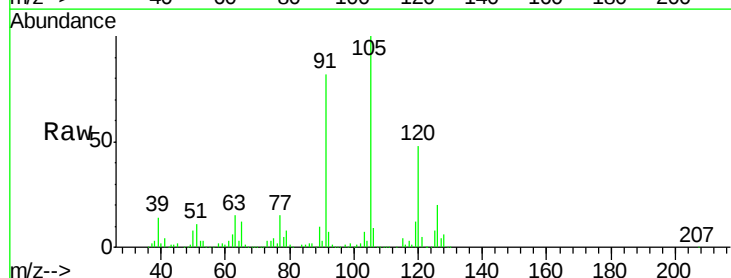
Acq: 06 Sep 2019 16:09

Tgt Ion: 105 Resp: 115084

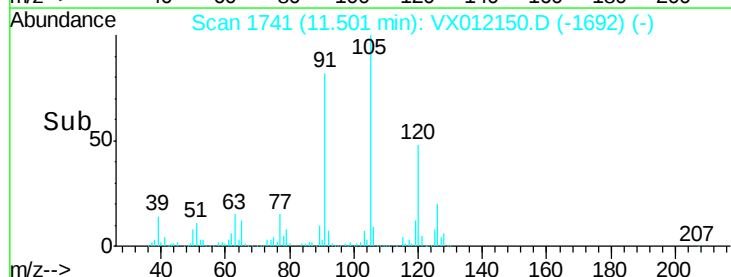
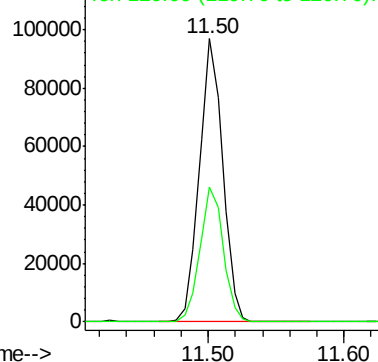
Ion Ratio Lower Upper

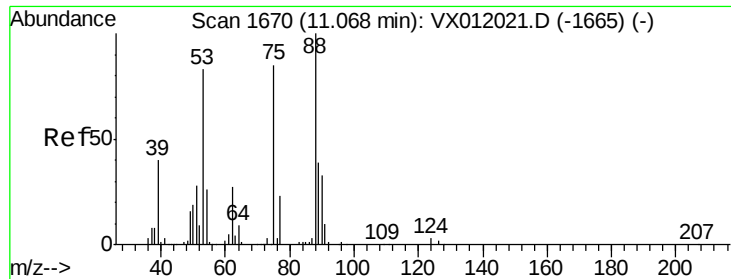
105 100

120 48.1 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012021.D (-1735) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.874 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

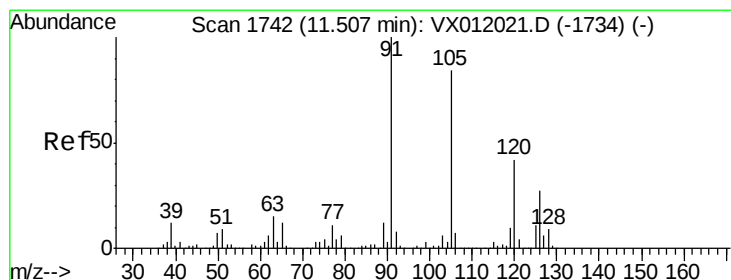
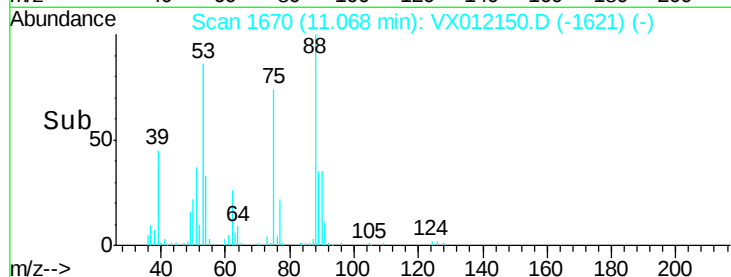
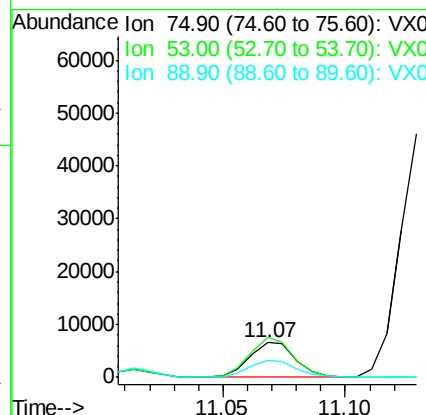
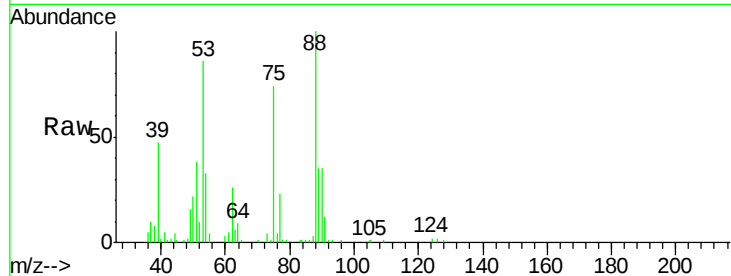
ClientSampleId :

VX0906SBS01

Tot Ion:	75	Resp:	8527
Ion	Ratio	Lower	Upper
75	100		
53	109.9	78.6	117.8
89	49.9	38.8	58.2

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#82

4-Chlorotoluene

Concen: 18.740 ug/l

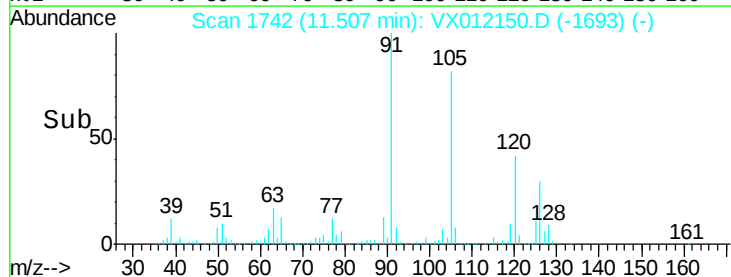
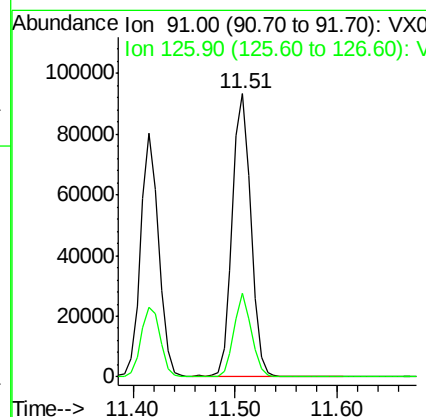
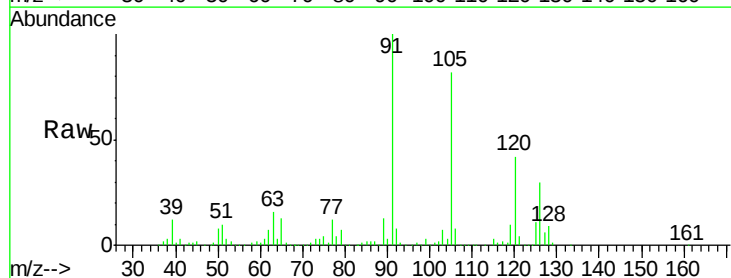
RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Tgt Ion:	91	Resp:	117283
Ion	Ratio	Lower	Upper
91	100		
126	27.5	16.2	48.6





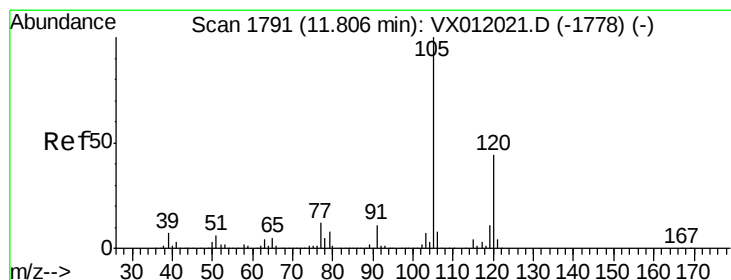
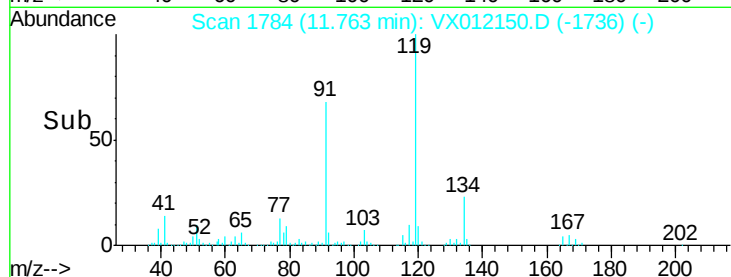
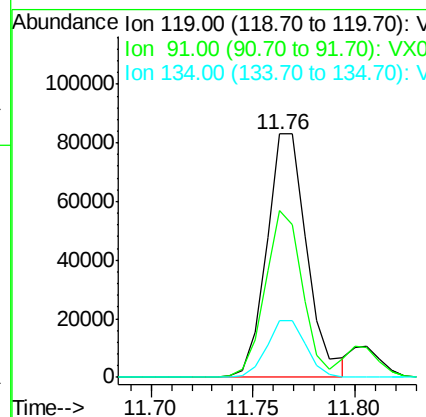
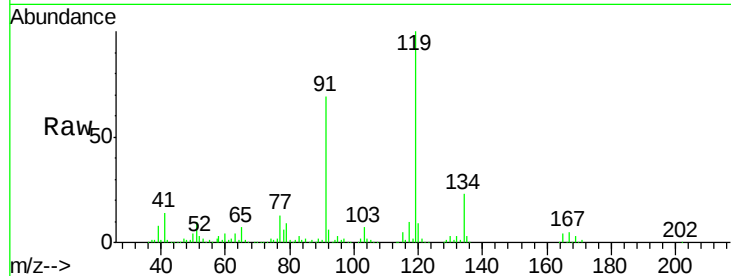
#83
tert-Butylbenzene
Concen: 19.084 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	114356		
91	63.2	27.1	81.2	
134	22.7	12.1	36.3	

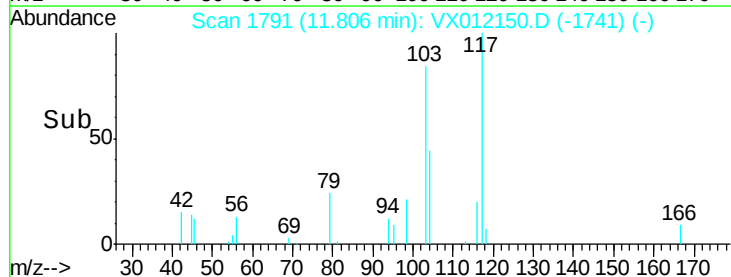
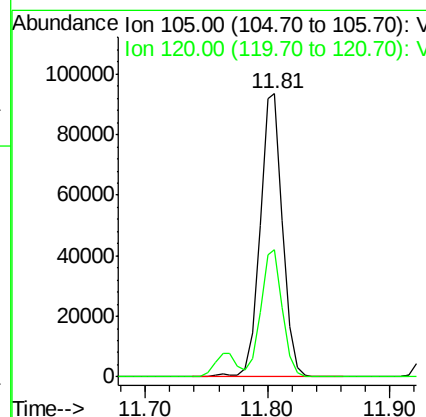
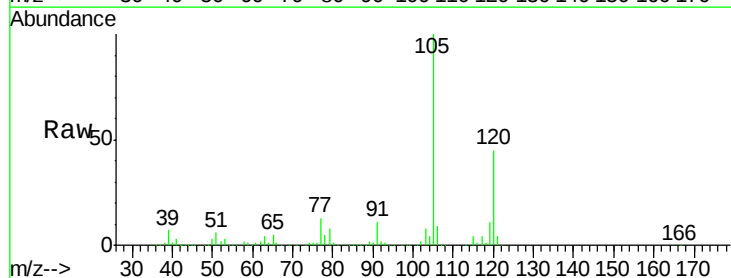
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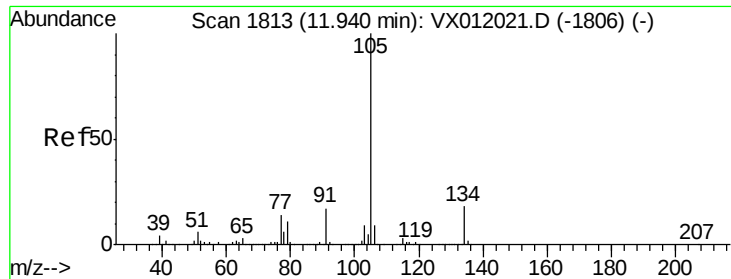
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#84
1,2,4-Trimethylbenzene
Concen: 18.599 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	120181		
120	43.3	23.6	70.8	





#85

sec-Butylbenzene

Concen: 18.625 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion:105 Resp: 138620

Ion Ratio Lower Upper

105 100

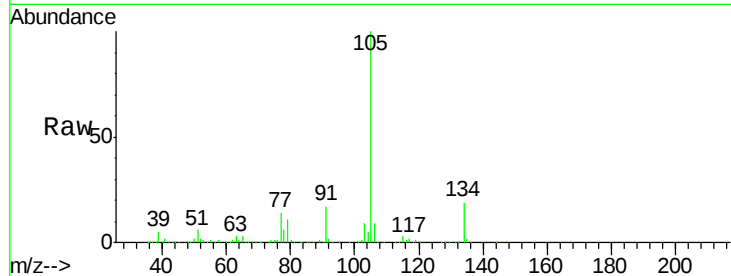
134 19.3 11.2 33.6

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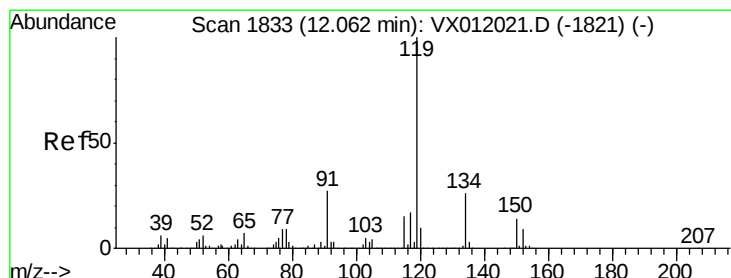
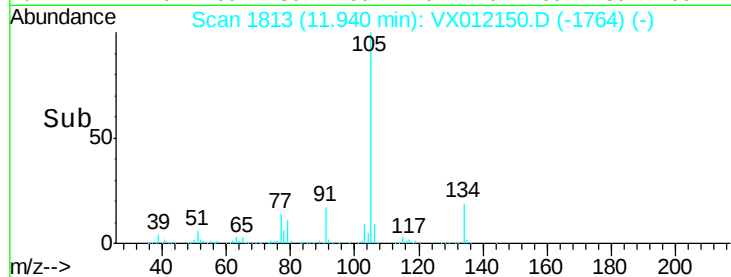
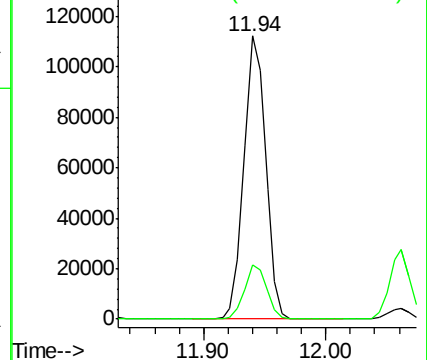
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.133 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

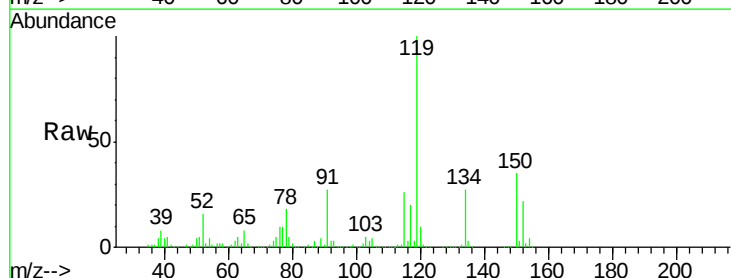
Tgt Ion:119 Resp: 122737

Ion Ratio Lower Upper

119 100

134 26.5 13.7 41.1

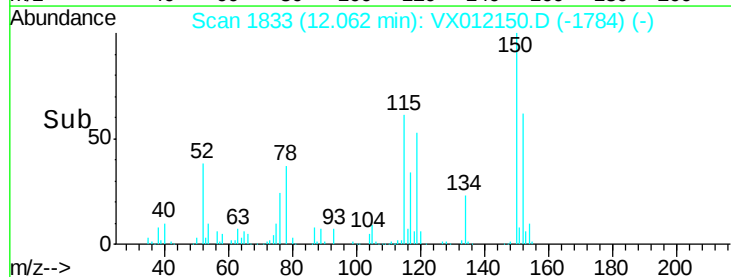
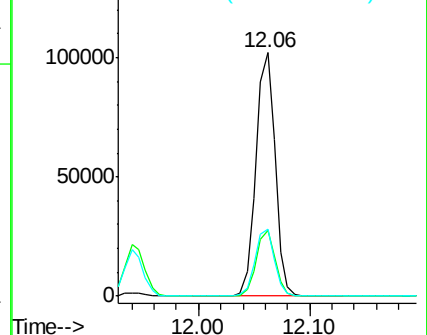
91 27.5 11.4 34.1

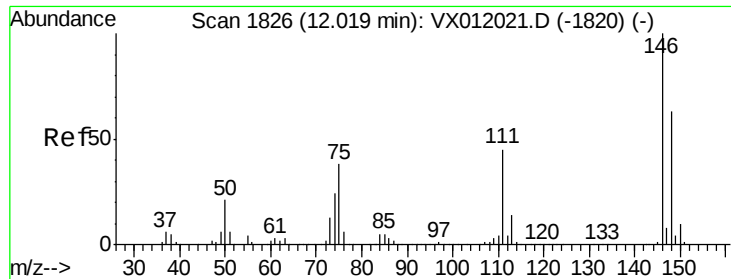


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





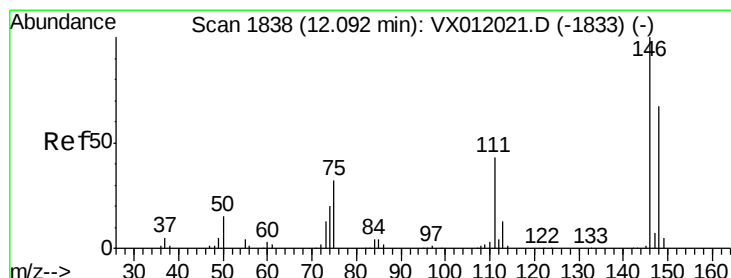
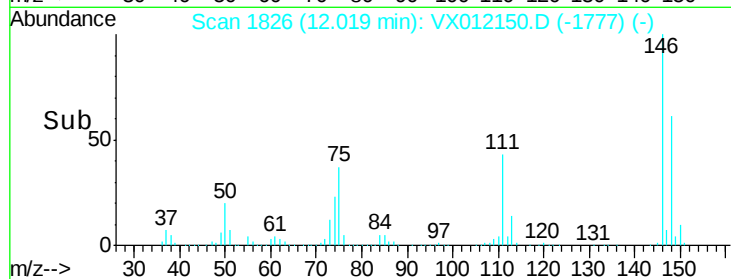
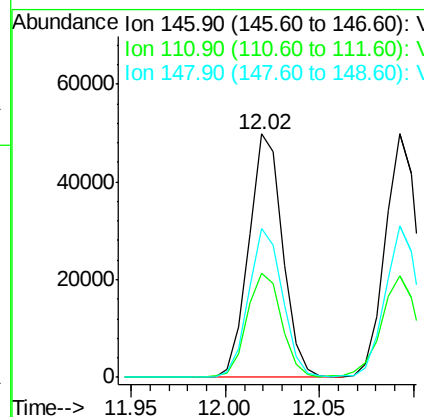
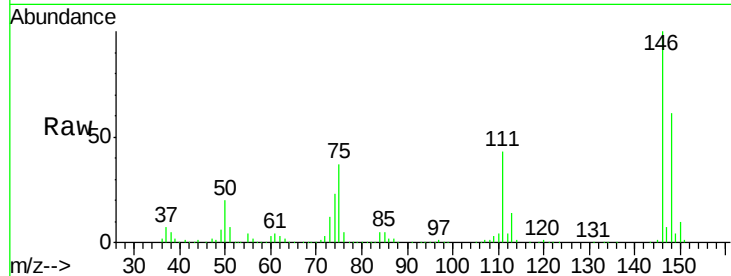
#87
 1,3-Dichlorobenzene
 Concen: 19.281 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	18.1	54.1
148	61.1	32.6	97.8

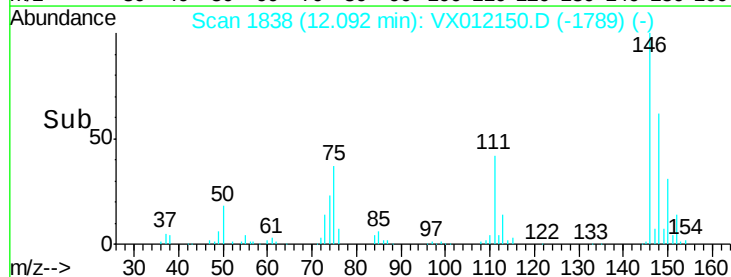
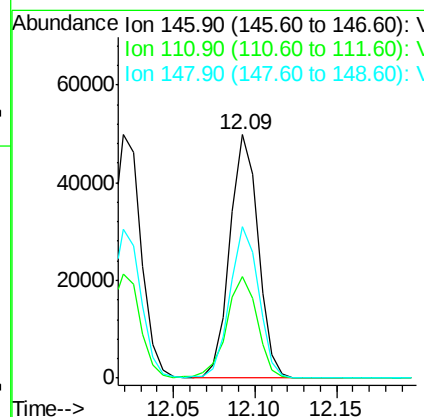
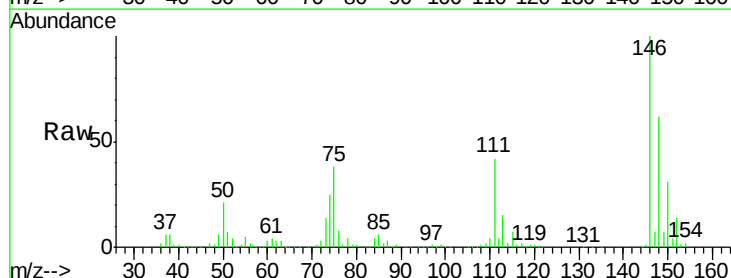
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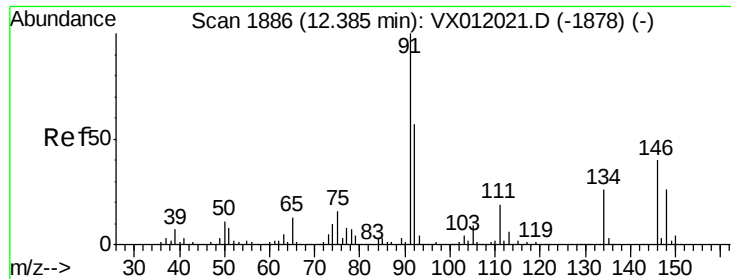
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#88
 1,4-Dichlorobenzene
 Concen: 18.776 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	17.7	53.1
148	63.2	32.4	97.0





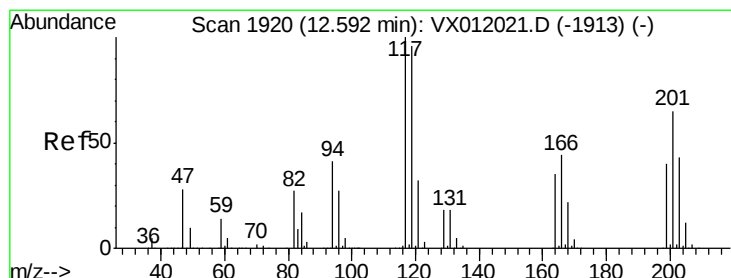
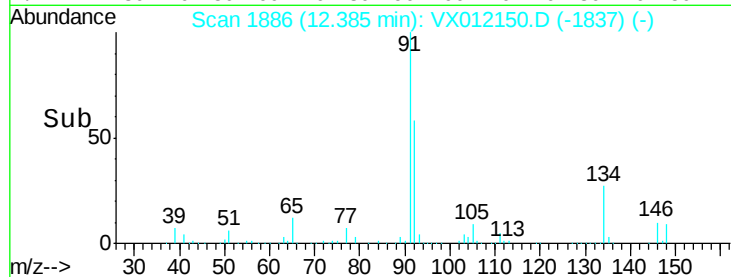
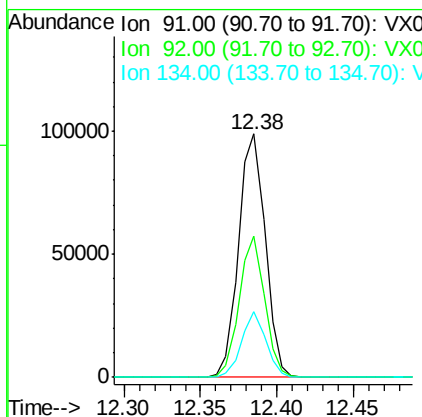
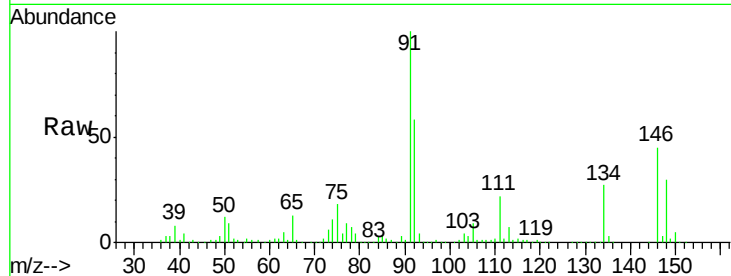
#89
n-Butylbenzene
Concen: 18.266 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	120105		
92	55.2	27.6	82.8	
134	24.8	15.4	46.1	

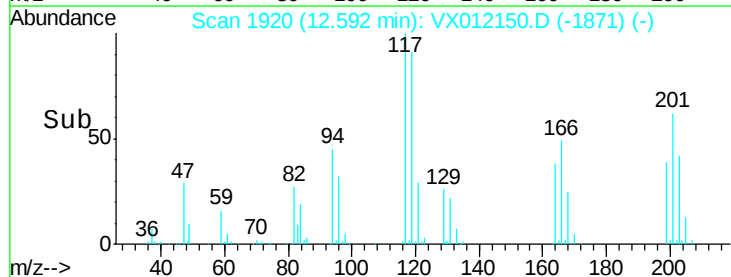
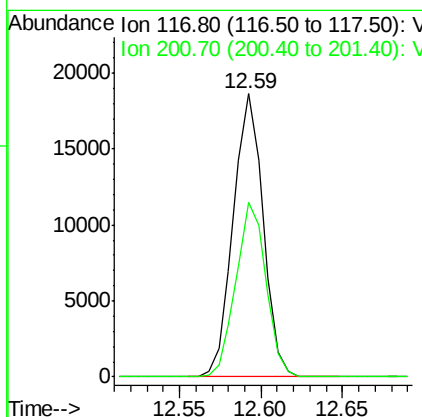
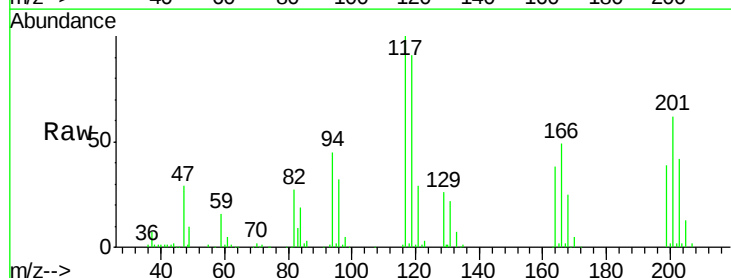
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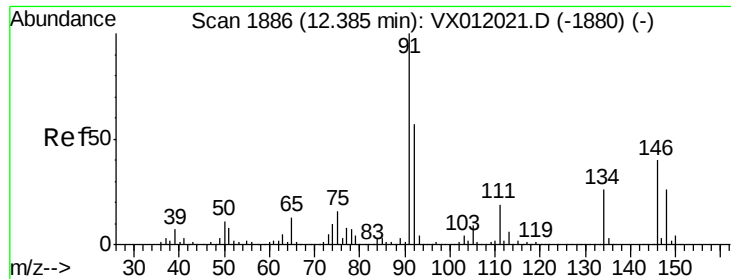
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#90
Hexachloroethane
Concen: 17.629 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012150.D
Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	23825		
201	62.0	55.0	165.2	





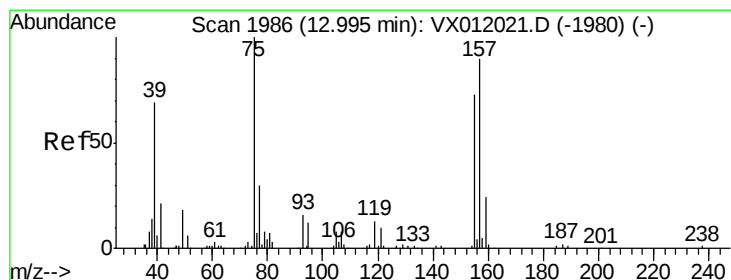
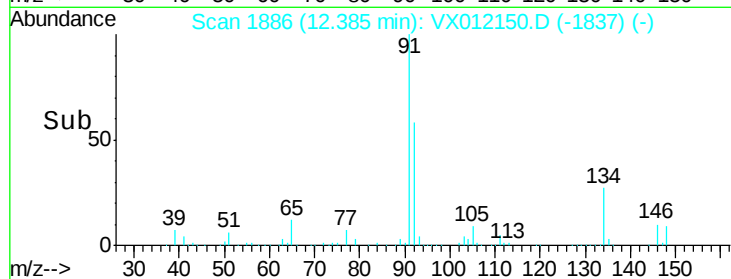
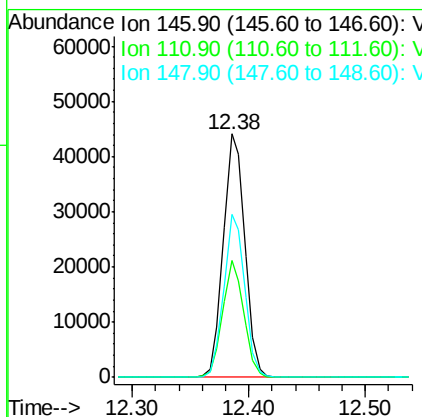
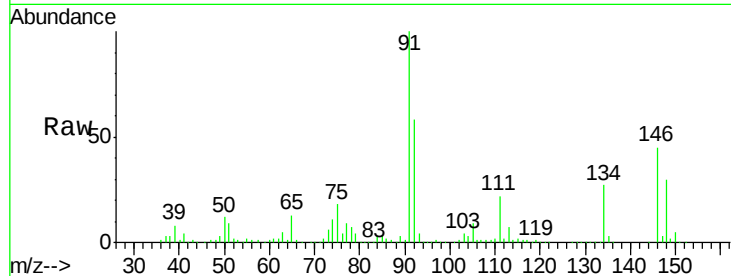
#91
 1,2-Dichlorobenzene
 Concen: 19.459 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	18.6	56.0
148	64.8	32.4	97.2

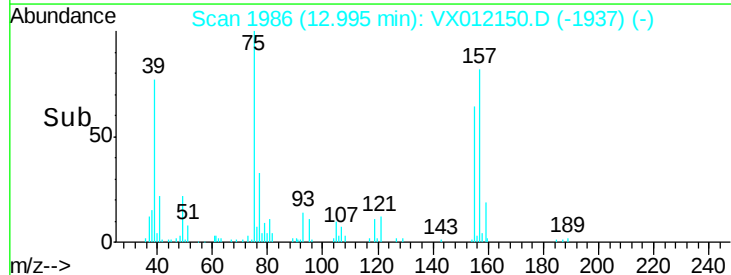
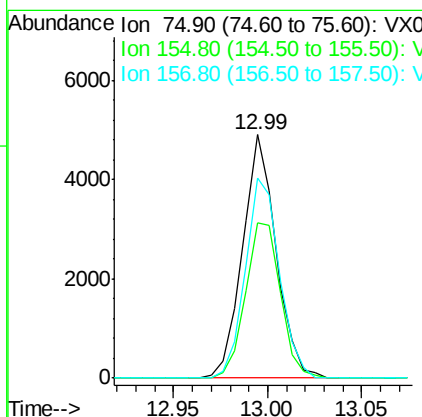
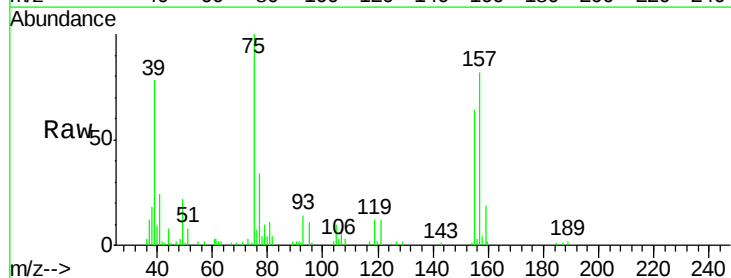
Manual Integrations
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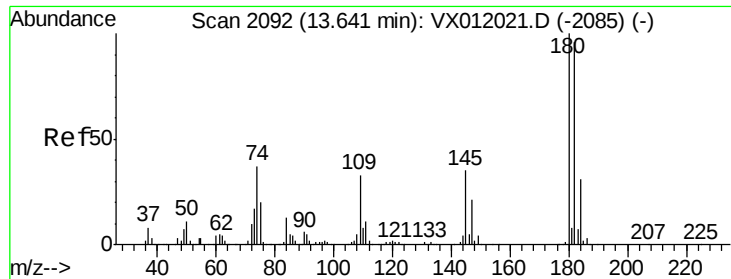
MMDadoda
 9/9/2019 10:50:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.305 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.9	51.7	155.2
157	83.7	66.9	200.7





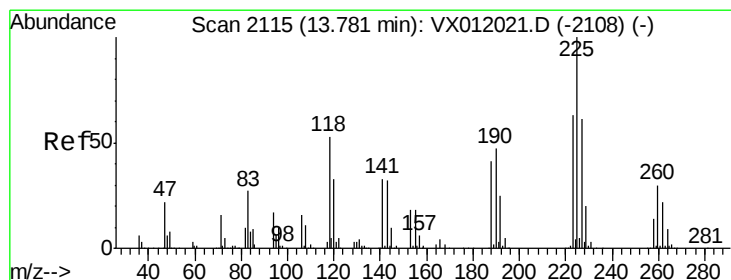
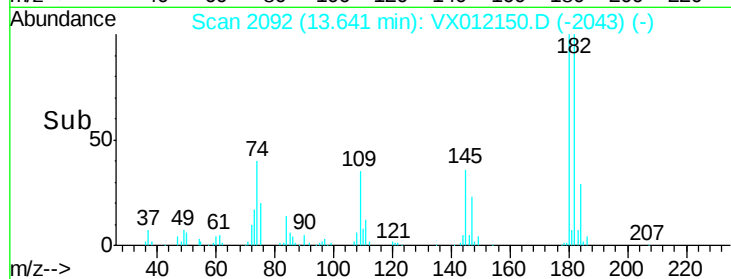
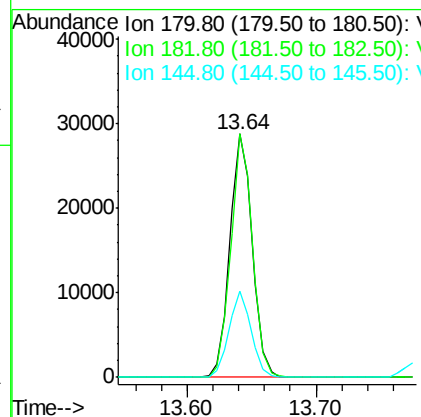
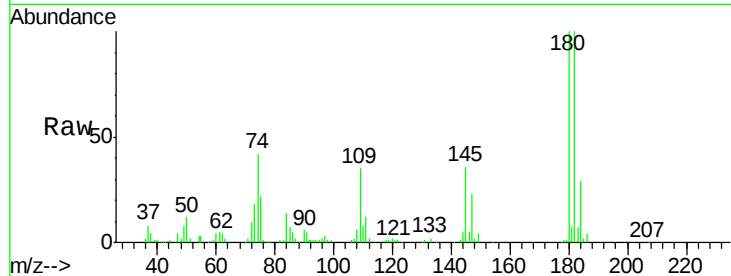
#93
 1,2,4-Trichlorobenzene
 Concen: 17.196 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	142.0
145	34.9	13.7	41.0

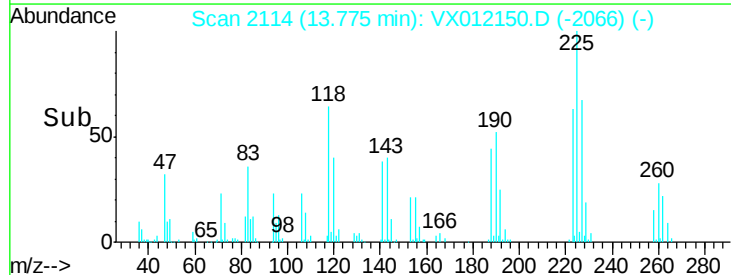
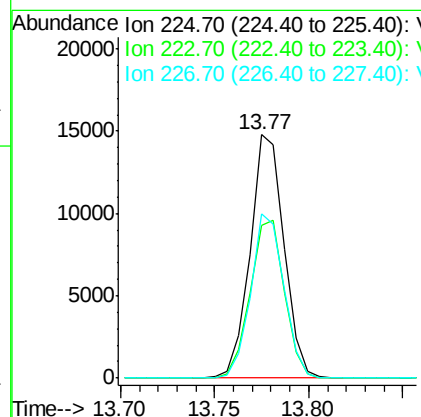
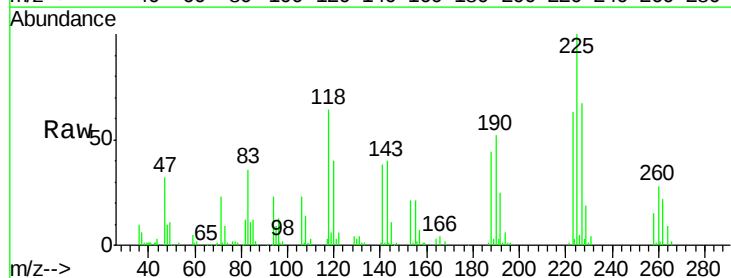
Manual Integrations
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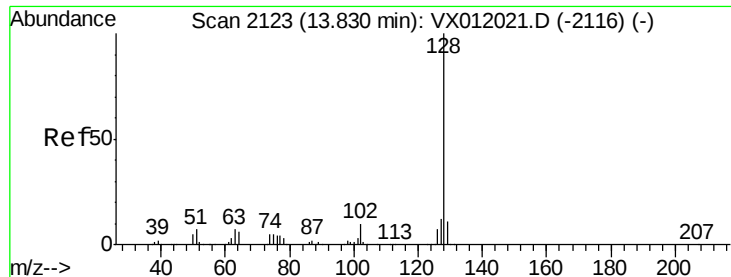
MMDadoda
 9/9/2019 10:50:09 AM



#94
 Hexachlorobutadiene
 Concen: 17.709 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012150.D
 Acq: 06 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	31.6	95.0
227	65.9	32.5	97.5





#95

Naphthalene

Concen: 18.207 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Instrument :

MSVOA_X

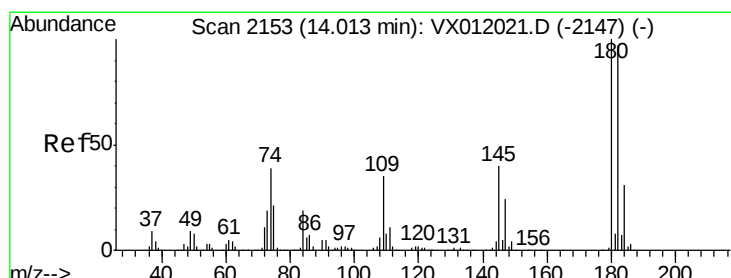
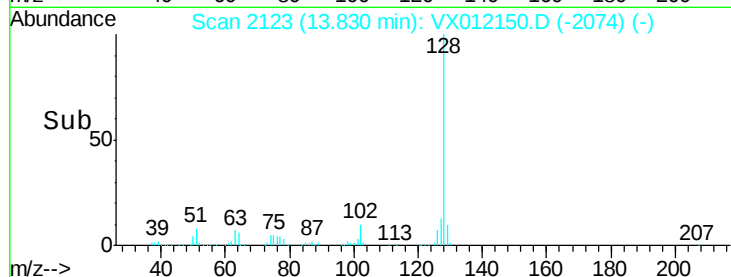
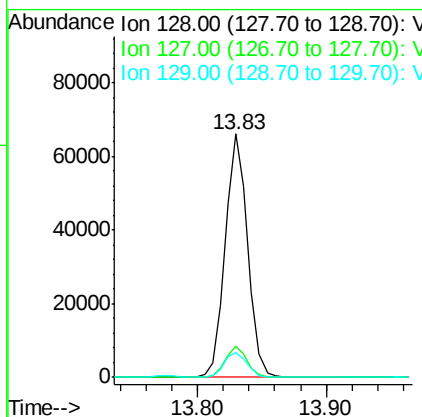
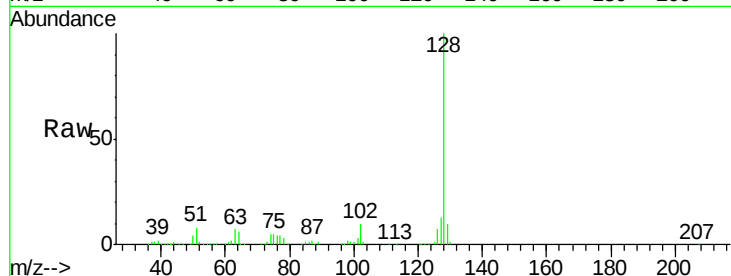
ClientSampleId :

VX0906SBS01

Tot Ion:	128	Resp:	81212
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	10.6	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.634 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VX012150.D

Acq: 06 Sep 2019 16:09

Tgt Ion:	180	Resp:	31974
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.9	143.6
145	39.0	14.1	42.4

