

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012118.D
 Acq On : 05 Sep 2019 23:39
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:31:44 PM

Quant Time: Sep 06 07:14:33 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	123817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	227986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	208217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102912	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	87532	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	5.48	113	68129	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	8.71	98	257470	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.14	95	114693	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	57247	50.138	ug/l	99
3) Chloromethane	1.31	50	63553	54.349	ug/l	99
4) Vinyl Chloride	1.39	62	59548	54.127	ug/l	98
5) Bromomethane	1.63	94	33505	61.392	ug/l	98
6) Chloroethane	1.71	64	37441	54.744	ug/l	98
7) Trichlorofluoromethane	1.92	101	92355	54.048	ug/l	98
8) Diethyl Ether	2.17	74	32437	54.931	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	64205	50.729	ug/l #	84
10) Methyl Iodide	2.50	142	52807	42.439	ug/l	91
11) Tert butyl alcohol	3.03	59	39978	243.627	ug/l	95
12) 1,1-Dichloroethene	2.36	96	62093	50.929	ug/l	85
13) Acrolein	2.28	56	7965	185.805	ug/l	97
14) Allyl chloride	2.72	41	118252	53.602	ug/l	95
15) Acrylonitrile	3.13	53	94056	253.478	ug/l	98
16) Acetone	2.43	43	85650	209.746	ug/l	99
17) Carbon Disulfide	2.56	76	192692	54.079	ug/l	100
18) Methyl Acetate	2.76	43	51399	53.431	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	205904	51.874	ug/l	98
20) Methylene Chloride	2.84	84	78899	48.115	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	74008	51.727	ug/l	90
22) Diisopropyl ether	3.84	45	239458	53.252	ug/l	96
23) Vinyl Acetate	3.80	43	761238	261.698	ug/l	97
24) 1,1-Dichloroethane	3.68	63	138269	53.018	ug/l	99
25) 2-Butanone	4.65	43	131517	253.014	ug/l	94
26) 2,2-Dichloropropane	4.57	77	112014	46.522	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	86525	51.592	ug/l	92
28) Bromochloromethane	5.00	49	52034	49.983	ug/l #	78
29) Tetrahydrofuran	5.11	42	82017	261.885	ug/l	98
30) Chloroform	5.19	83	145894	52.135	ug/l	99
31) Cyclohexane	5.57	56	105363	50.304	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	130272	53.451	ug/l	96
36) 1,1-Dichloropropene	5.79	75	104904	52.243	ug/l	96
37) Ethyl Acetate	4.82	43	58876	53.920	ug/l	99
38) Carbon Tetrachloride	5.77	117	111048	52.483	ug/l	99

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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	113800	48.831	ug/l	93
40) Benzene	6.13	78	300340	52.101	ug/l	99
41) Methacrylonitrile	5.03	41	33588	51.581	ug/l	97
42) 1,2-Dichloroethane	6.18	62	113038	54.491	ug/l	96
43) Isopropyl Acetate	6.43	43	118448	53.349	ug/l	98
44) Trichloroethene	7.20	130	80124	51.533	ug/l	83
45) 1,2-Dichloropropane	7.51	63	76466	51.342	ug/l	96
46) Dibromomethane	7.65	93	45556	52.398	ug/l #	74
47) Bromodichloromethane	7.89	83	113771	51.481	ug/l	99
48) Methyl methacrylate	7.76	41	59369	53.181	ug/l	96
49) 1,4-Dioxane	7.73	88	15289	1004.644	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	305268	270.316	ug/l	96
52) Toluene	8.78	92	195442	52.108	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	113273	49.508	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	126382	49.673	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	62530	50.306	ug/l	98
56) Ethyl methacrylate	9.17	69	91245	51.249	ug/l	94
57) 1,3-Dichloropropane	9.37	76	108333	50.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	183855	229.051	ug/l	94
59) 2-Hexanone	9.48	43	212273	257.606	ug/l	97
60) Dibromochloromethane	9.57	129	75153	50.731	ug/l	97
61) 1,2-Dibromoethane	9.67	107	62103	51.706	ug/l	97
64) Tetrachloroethene	9.33	164	75351	58.047	ug/l #	88
65) Chlorobenzene	10.14	112	211976	51.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	79209	52.729	ug/l	97
67) Ethyl Benzene	10.25	91	385717	51.508	ug/l	96
68) m/p-Xylenes	10.35	106	282381	102.346	ug/l	90
69) o-Xylene	10.70	106	134833	50.397	ug/l	87
70) Styrene	10.71	104	243053	52.303	ug/l	94
71) Bromoform	10.85	173	42442	51.440	ug/l #	98
73) Isopropylbenzene	11.01	105	373403	49.452	ug/l	98
74) N-amyl acetate	10.89	43	113248	50.726	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	76238	48.431	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	69901m	55.590	ug/l	
77) Bromobenzene	11.25	156	84592	50.092	ug/l	69
78) n-propylbenzene	11.35	91	451837	49.531	ug/l	95
79) 2-Chlorotoluene	11.42	91	278160	50.332	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	331709	50.129	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	22946	43.142	ug/l	93
82) 4-Chlorotoluene	11.51	91	332811	50.525	ug/l	90
83) tert-Butylbenzene	11.76	119	307128	48.697	ug/l	87
84) 1,2,4-Trimethylbenzene	11.80	105	342594	50.375	ug/l	93
85) sec-Butylbenzene	11.94	105	382228	48.793	ug/l	94
86) p-Isopropyltoluene	12.06	119	350805	49.242	ug/l	94
87) 1,3-Dichlorobenzene	12.03	146	165946	49.039	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	166290	49.146	ug/l	94
89) n-Butylbenzene	12.38	91	337967	48.835	ug/l	95
90) Hexachloroethane	12.59	117	67286	47.302	ug/l	58
91) 1,2-Dichlorobenzene	12.38	146	153373	50.325	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16165	49.073	ug/l	66

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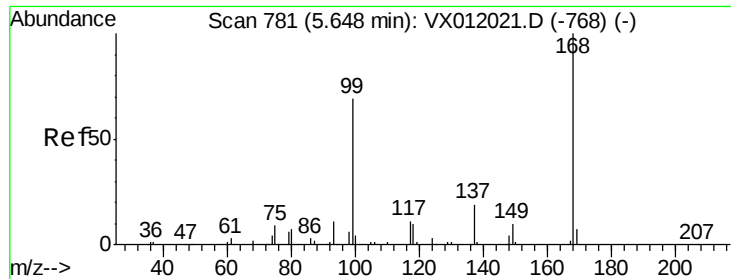
Manual Integrations
APPROVED

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9/6/2019 12:31:44 PM

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Quant Method : Z:\VOASRV\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	104989	48.400	ug/l	95
94) Hexachlorobutadiene	13.78	225	58465	53.468	ug/l	99
95) Naphthalene	13.83	128	233413	49.718	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	96394	50.510	ug/l	95

(#) = 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: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 123817

Ion Ratio Lower Upper

168 100

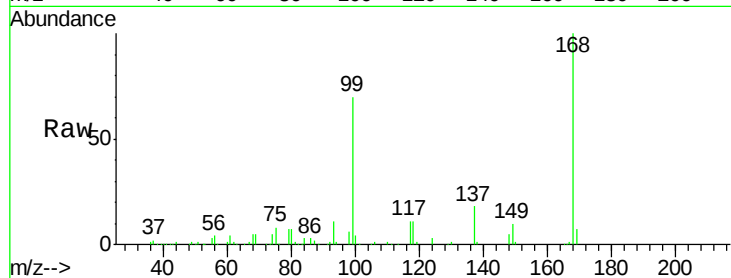
99 69.9 37.6 56.4#

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

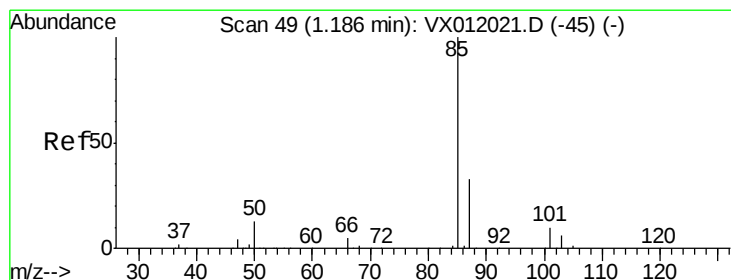
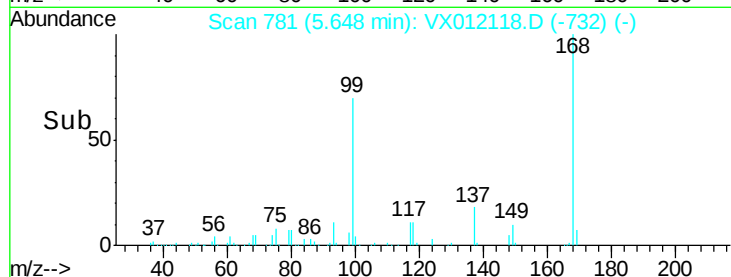
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.138 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012118.D

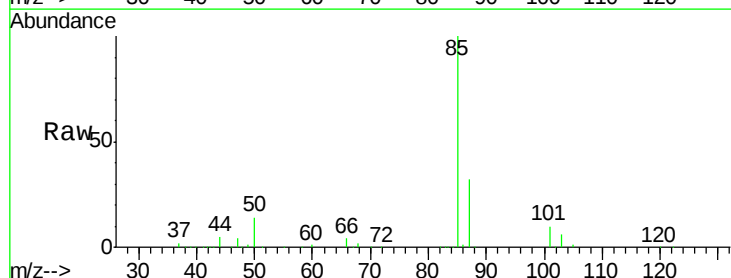
Acq: 05 Sep 2019 23:39

Tgt Ion: 85 Resp: 57247

Ion Ratio Lower Upper

85 100

87 31.6 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

60000

50000

40000

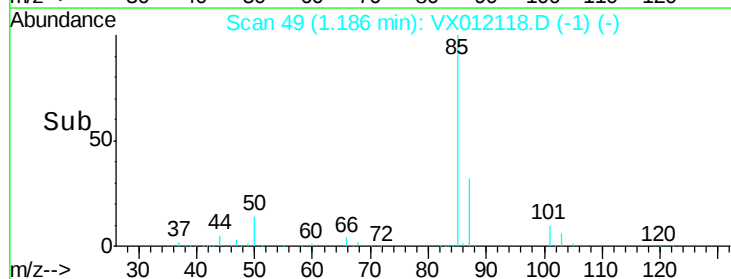
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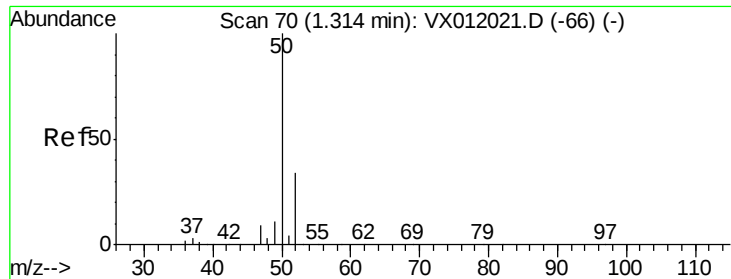
20000

10000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 54.349 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 63553

Ion Ratio Lower Upper

50 100

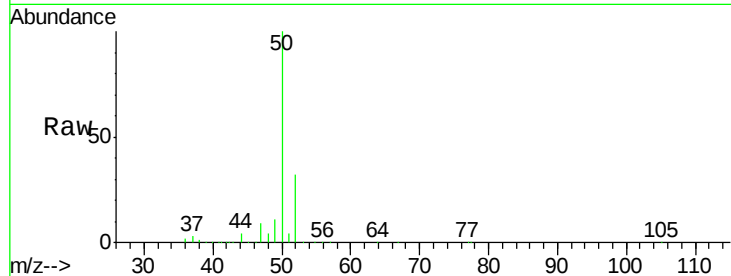
52 32.3 26.5 39.7

Manual Integrations

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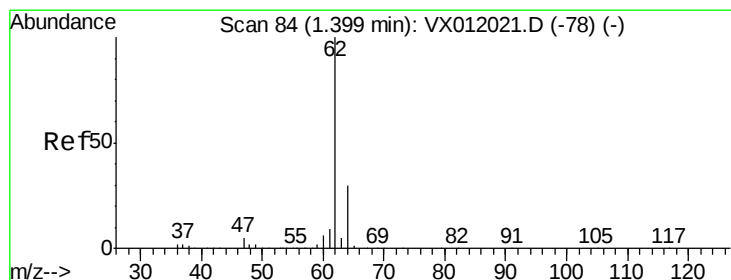
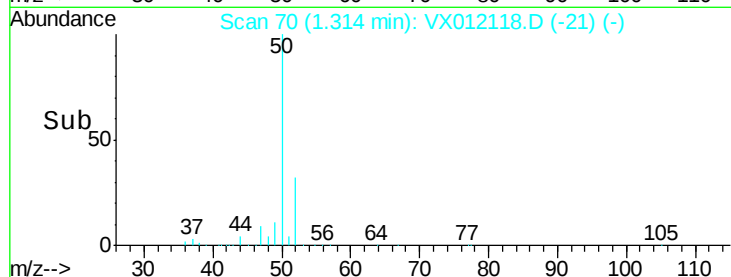
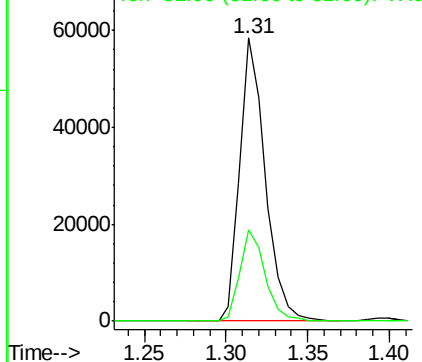
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 54.127 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012118.D

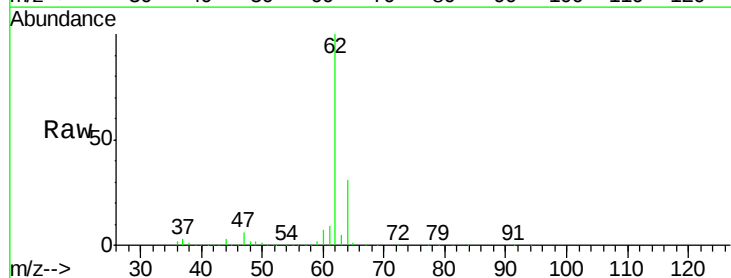
Acq: 05 Sep 2019 23:39

Tgt Ion: 62 Resp: 59548

Ion Ratio Lower Upper

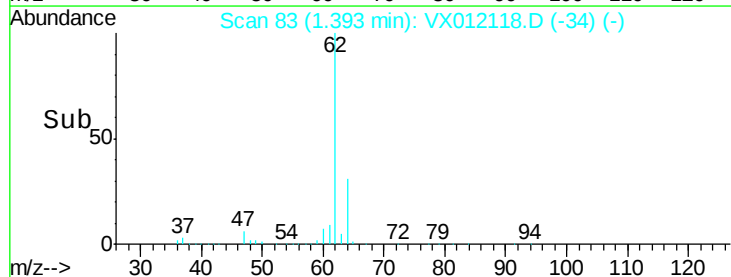
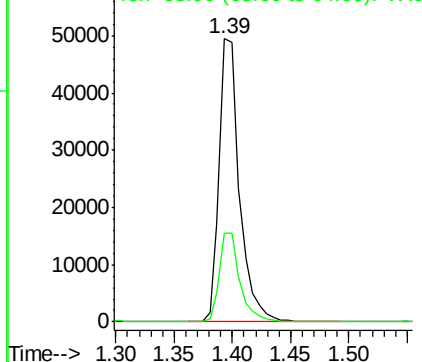
62 100

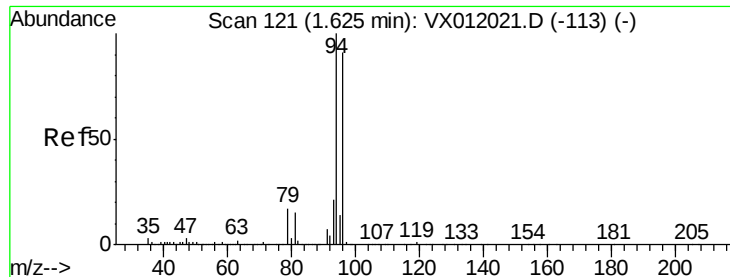
64 31.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 61.392 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 33505

Ion Ratio Lower Upper

94 100

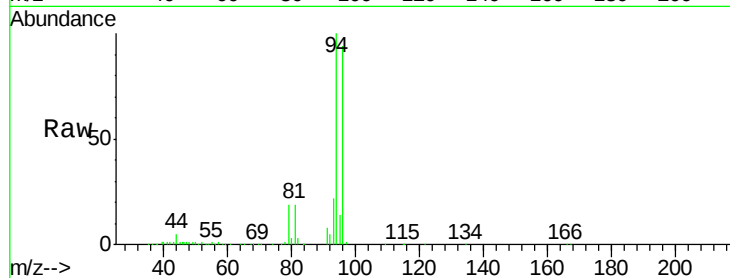
96 93.7 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

30000

25000

20000

15000

10000

5000

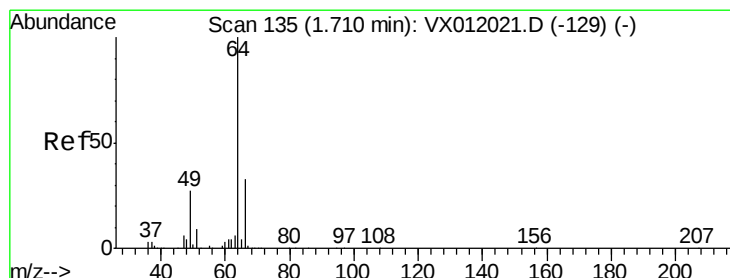
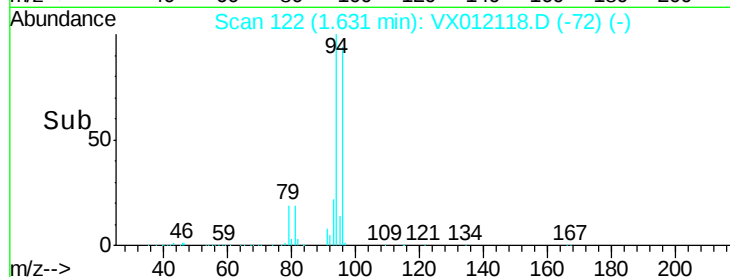
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Time-->

1.50

1.60

1.70



#6

Chloroethane

Concen: 54.744 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012118.D

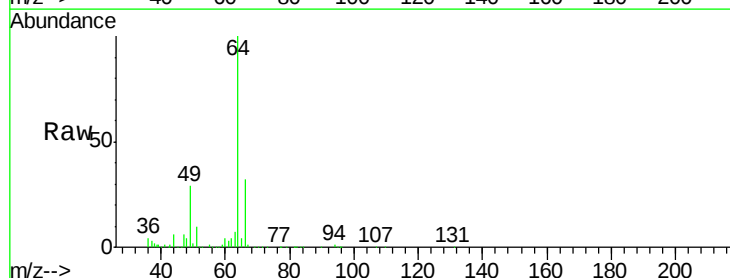
Acq: 05 Sep 2019 23:39

Tgt Ion: 64 Resp: 37441

Ion Ratio Lower Upper

64 100

66 31.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

30000

25000

20000

15000

10000

5000

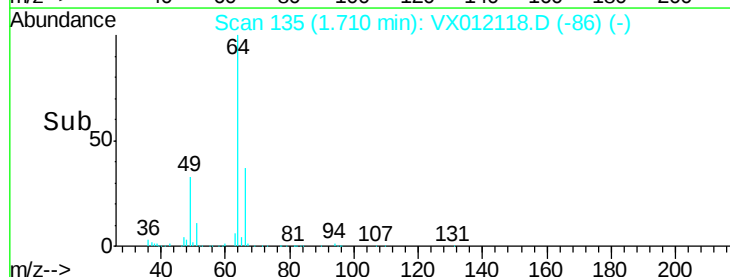
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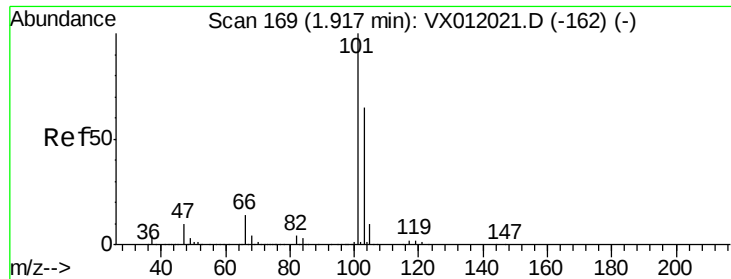
Time-->

1.60

1.70

1.80





#7

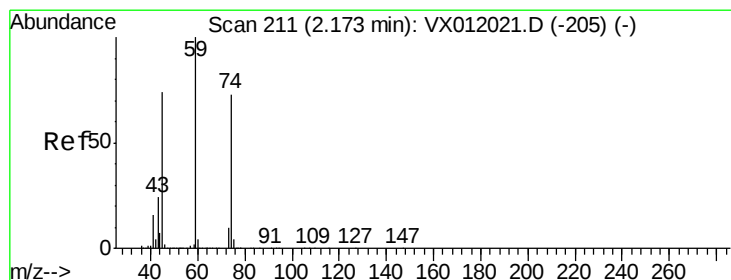
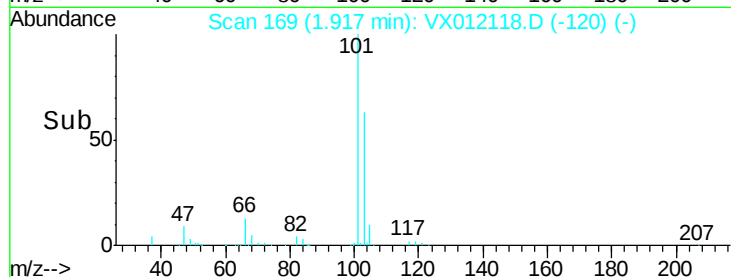
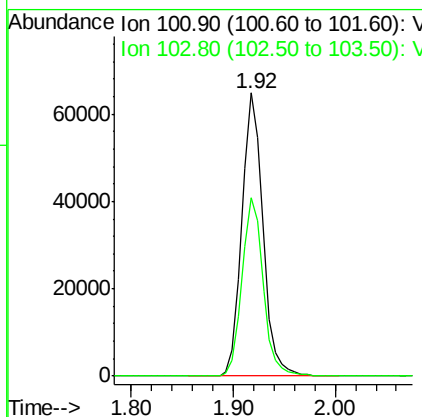
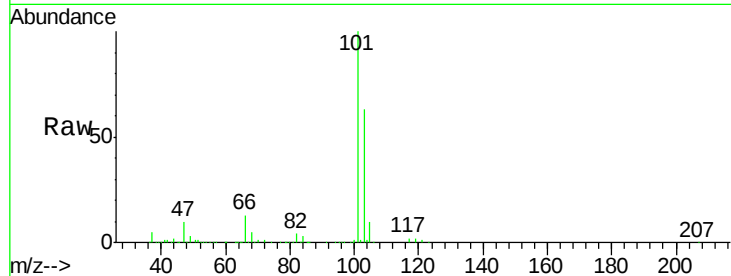
Trichlorofluoromethane
Concen: 54.048 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.6	77.4

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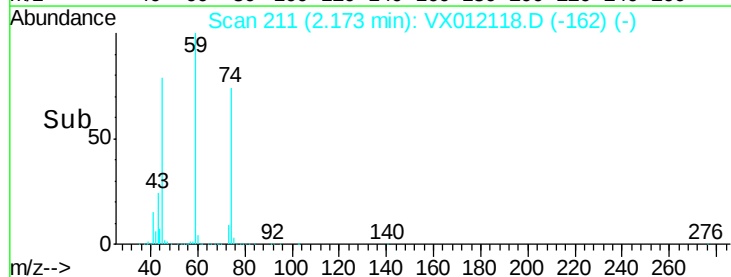
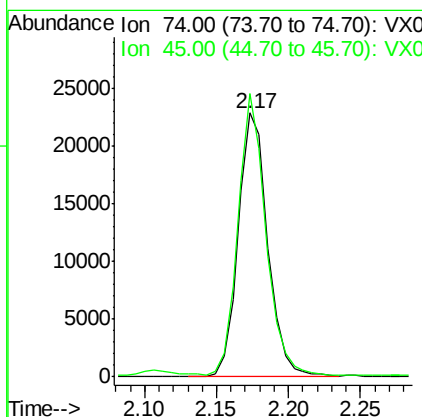
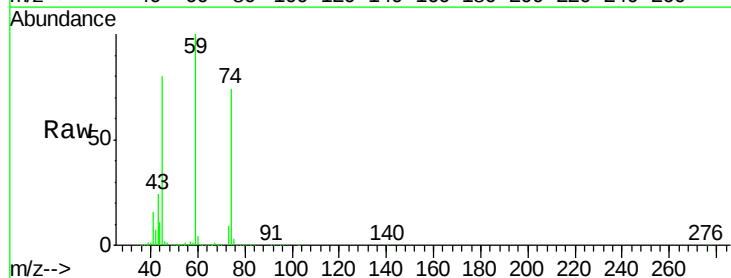
MMDadoda
9/6/2019 12:31:44 PM

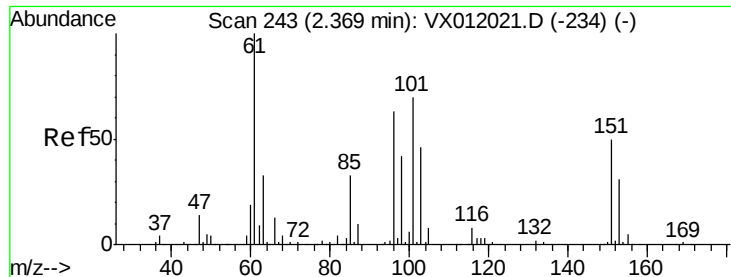


#8

Diethyl Ether
Concen: 54.931 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.729 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:101 Resp: 64205

Ion Ratio Lower Upper

101 100

85 46.5 34.5 51.7

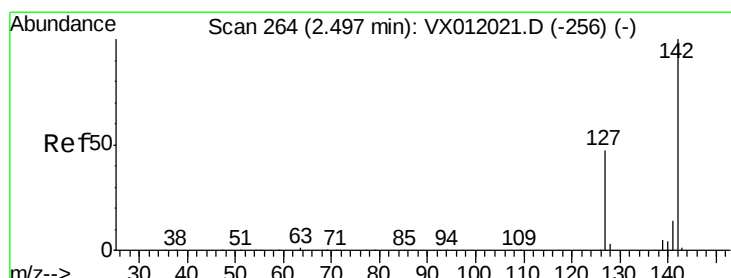
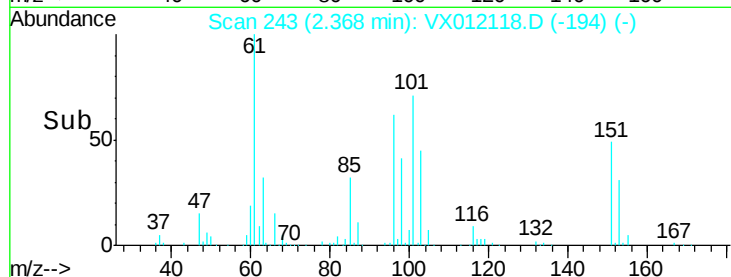
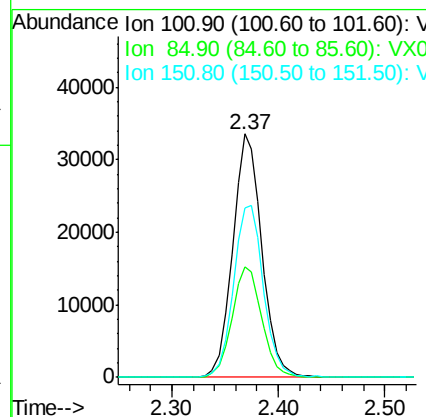
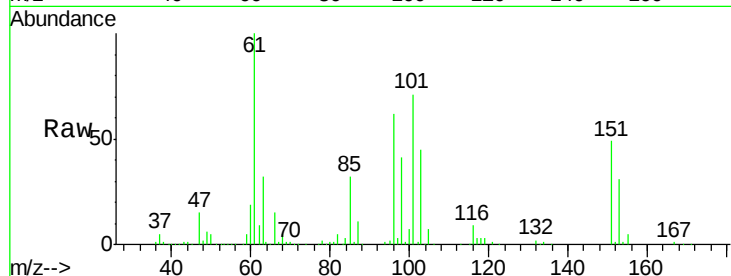
151 72.9 75.0 112.4#

Manual Integrations

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#10

Methyl Iodide

Concen: 42.439 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

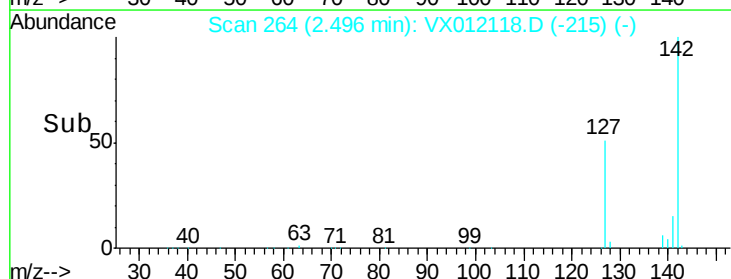
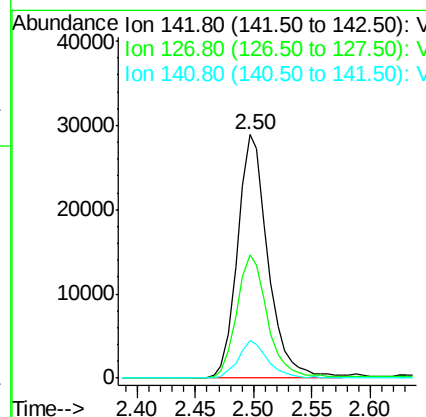
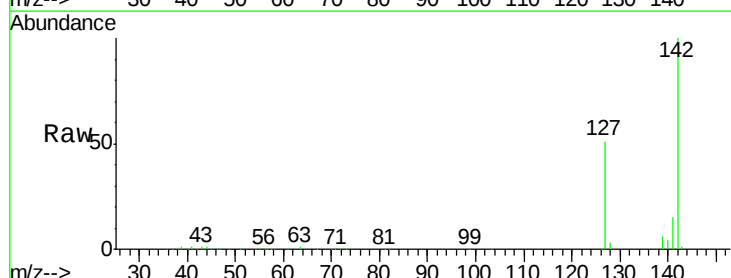
Tgt Ion:142 Resp: 52807

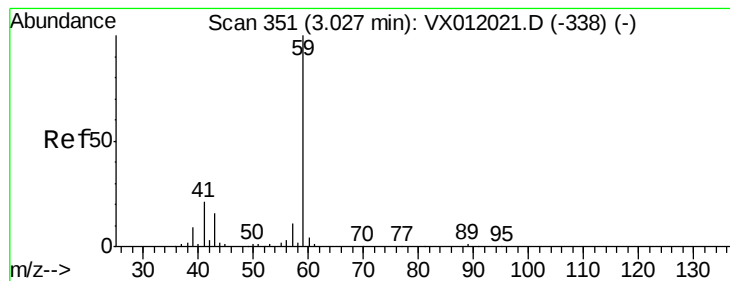
Ion Ratio Lower Upper

142 100

127 51.4 35.4 53.2

141 15.0 11.4 17.2





#11

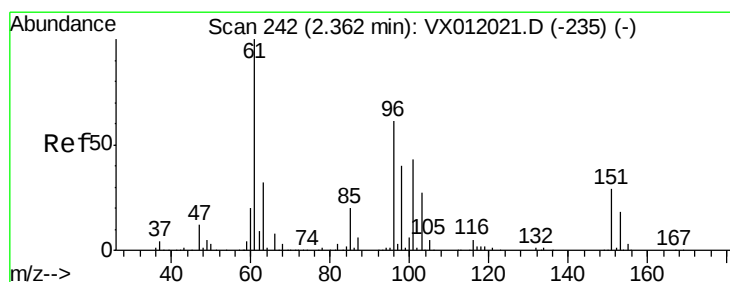
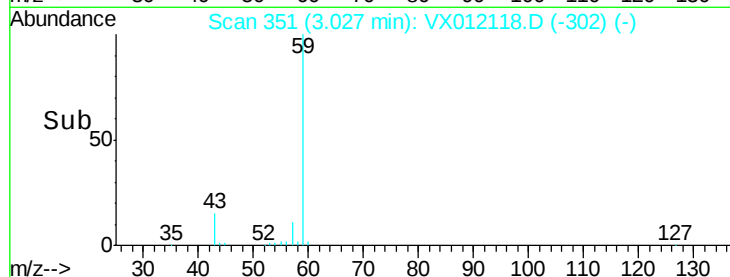
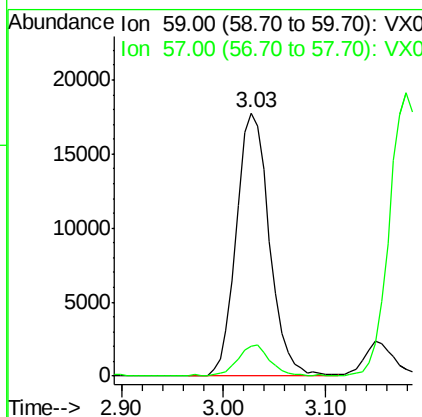
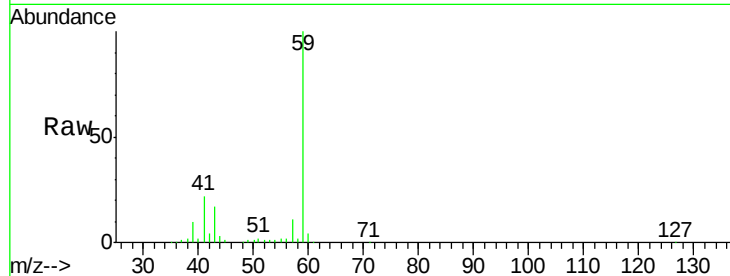
Tert butyl alcohol
 Concen: 243.627 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	39978
Ion Ratio	100	Lower	Upper
57	11.8	7.9	11.9

Manual Integrations
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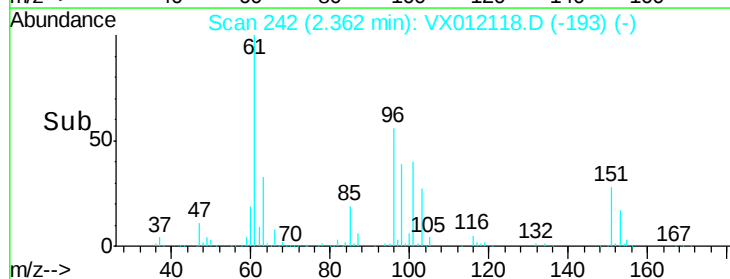
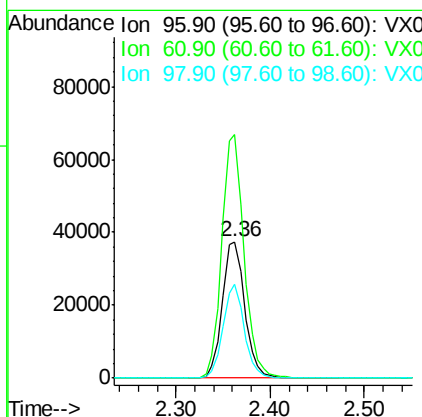
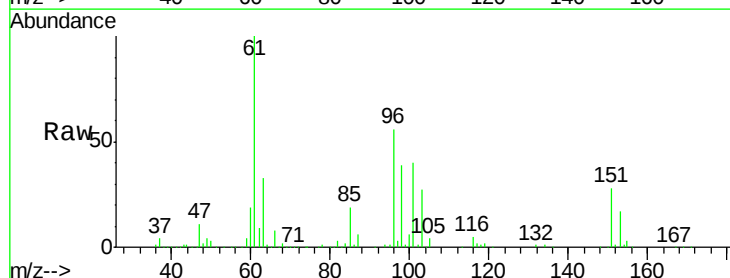
MMDadoda
 9/6/2019 12:31:44 PM

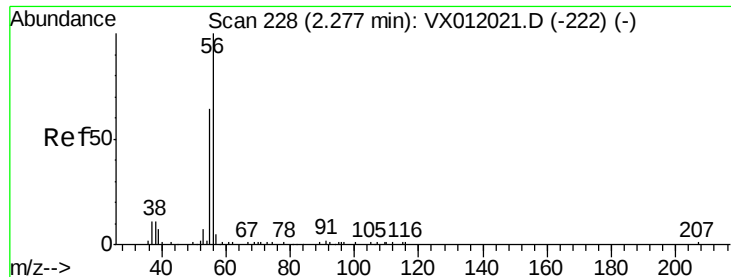


#12

1,1-Dichloroethene
 Concen: 50.929 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Tgt Ion	96	Resp	62093
Ion Ratio	100	Lower	Upper
61	178.6	124.1	186.1
98	68.9	50.2	75.2





#13

Acrolein

Concen: 185.805 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 7965

Ion Ratio Lower Upper

56 100

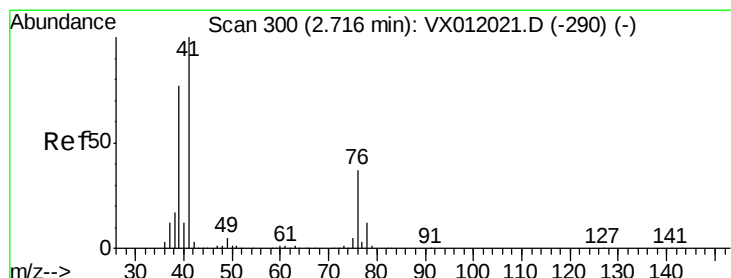
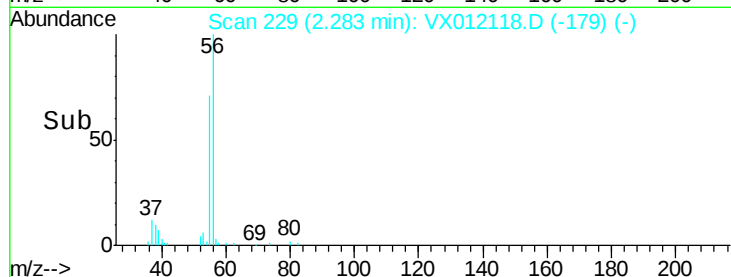
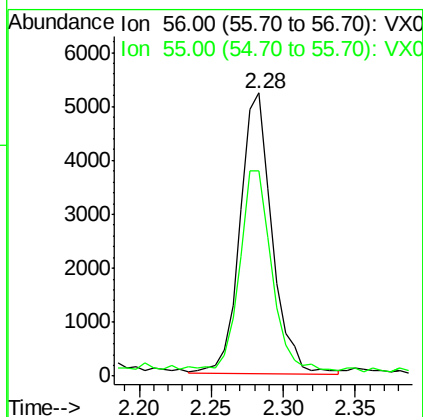
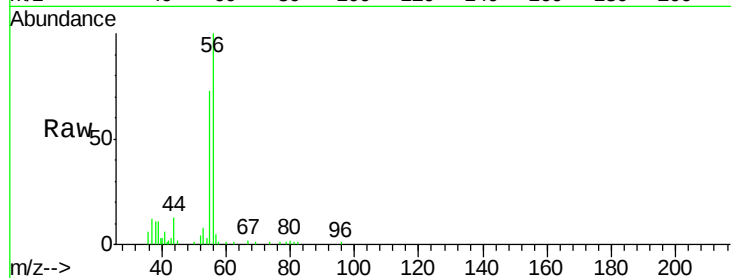
55 71.6 59.2 88.8

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 53.602 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

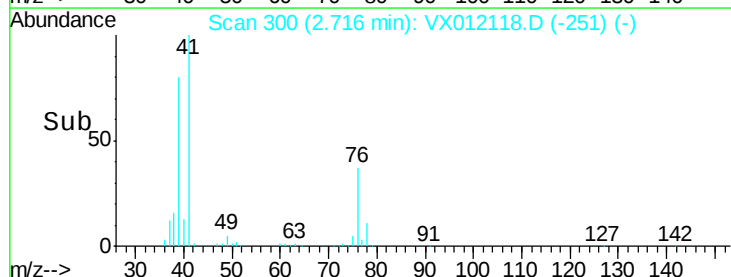
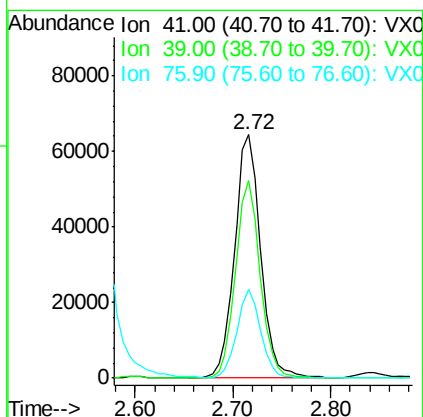
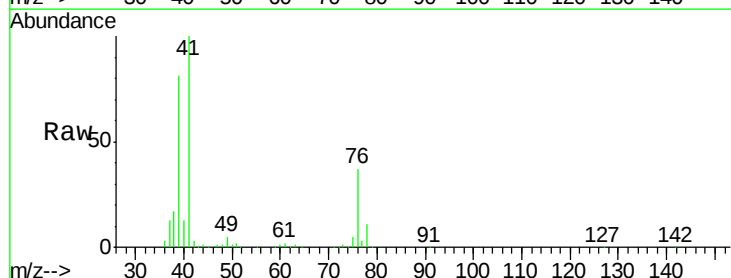
Tgt Ion: 41 Resp: 118252

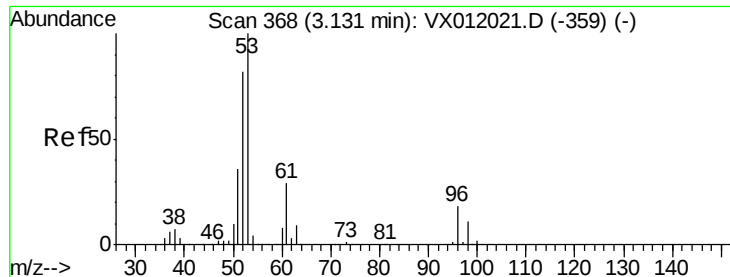
Ion Ratio Lower Upper

41 100

39 77.0 57.9 86.9

76 33.9 28.5 42.7





#15

Acrylonitrile

Concen: 253.478 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

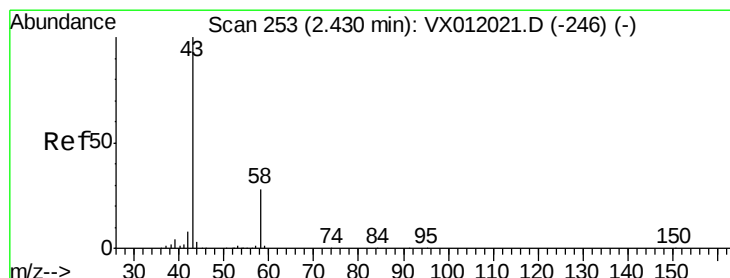
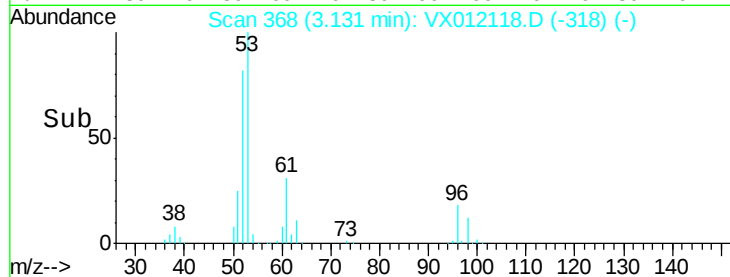
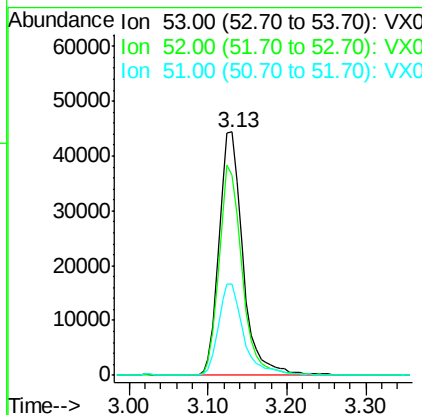
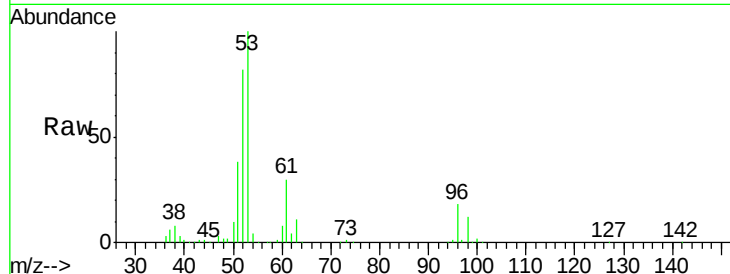
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	94056
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.6	98.4
51	39.0	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 209.746 ug/l

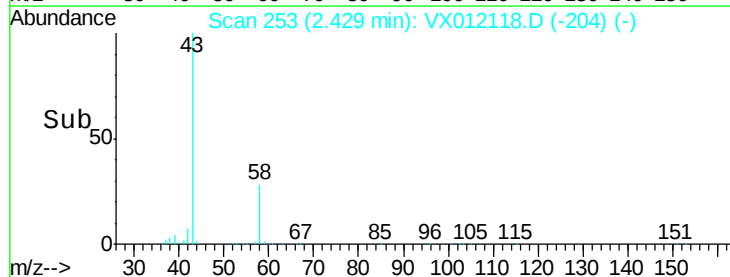
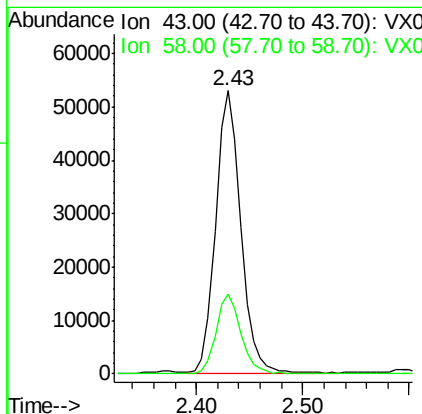
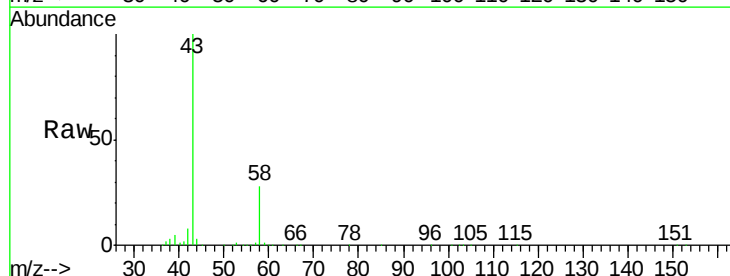
RT: 2.43 min Scan# 253

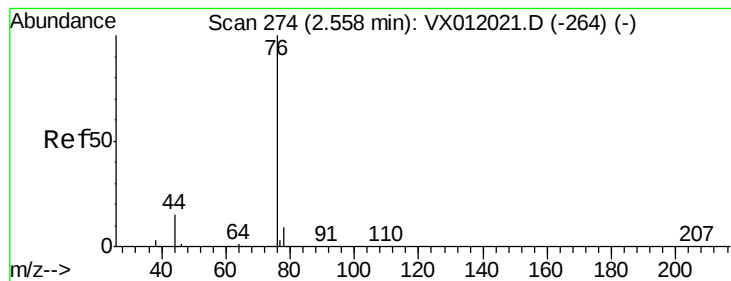
Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Tgt Ion:	43	Resp:	85650
Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.8	34.2





#17

Carbon Disulfide

Concen: 54.079 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 192692

Ion Ratio Lower Upper

76 100

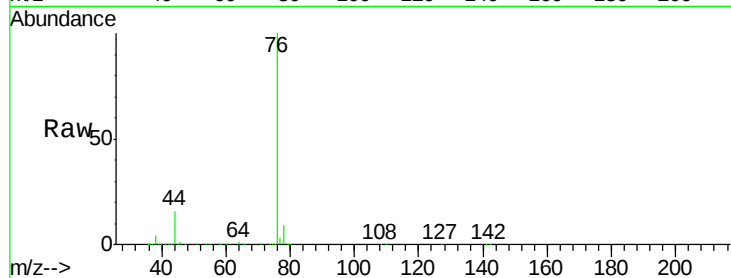
78 9.4 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

120000

100000

80000

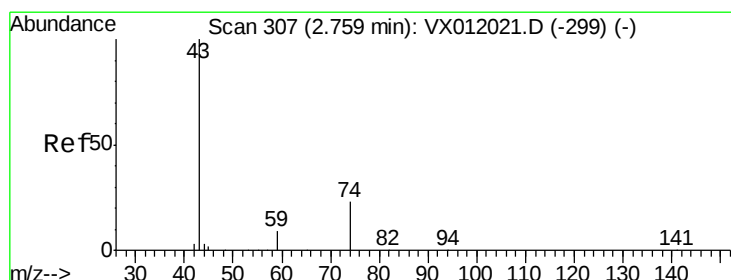
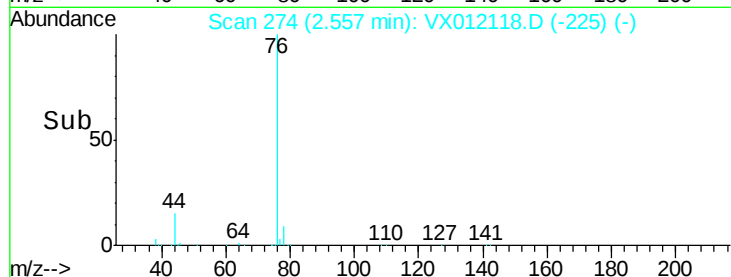
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 53.431 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012118.D

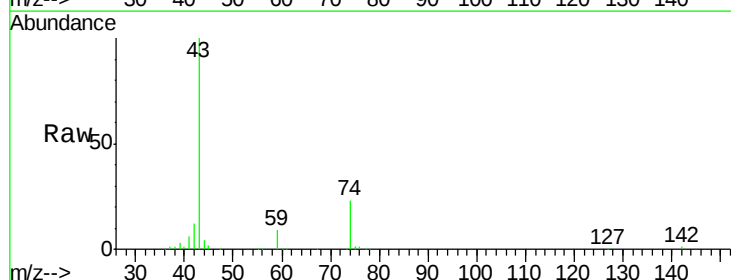
Acq: 05 Sep 2019 23:39

Tgt Ion: 43 Resp: 51399

Ion Ratio Lower Upper

43 100

74 24.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

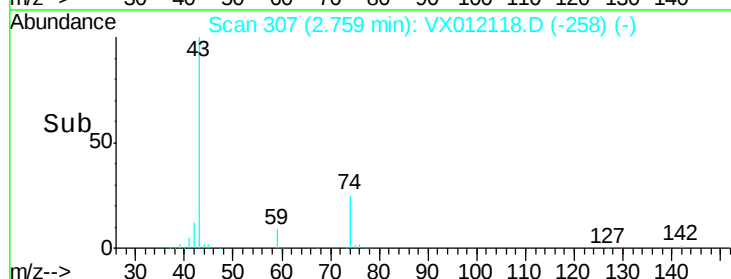
30000

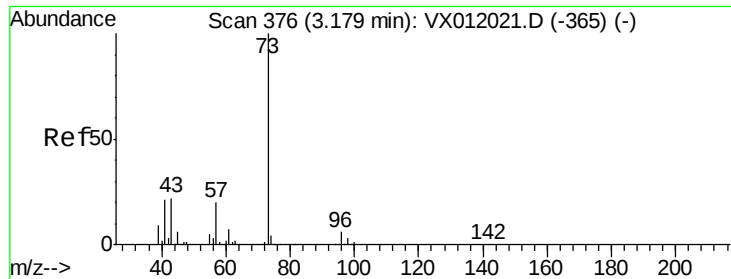
20000

10000

0

Time-->





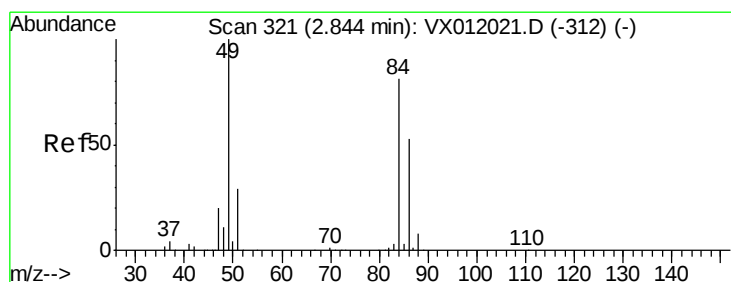
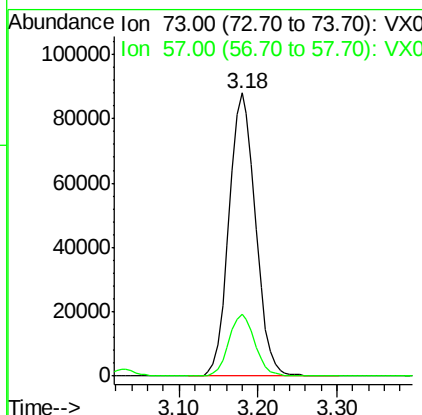
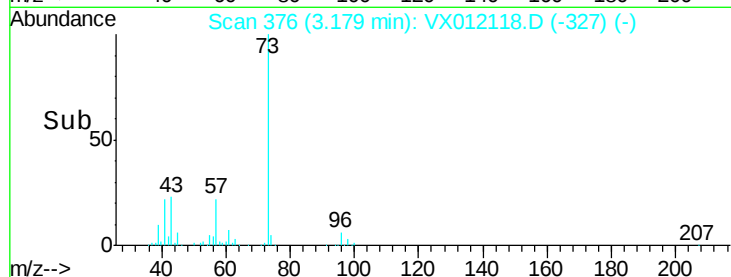
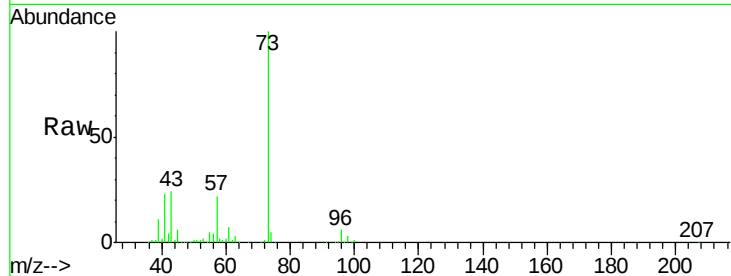
#19
Methyl tert-butyl Ether
Concen: 51.874 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	16.6	25.0

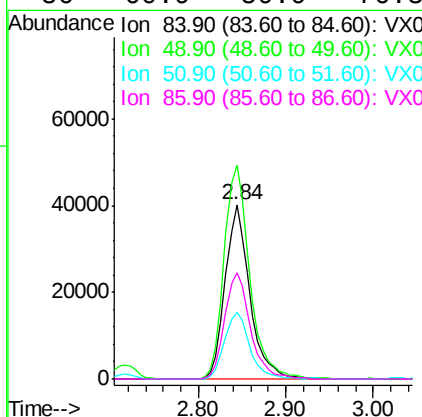
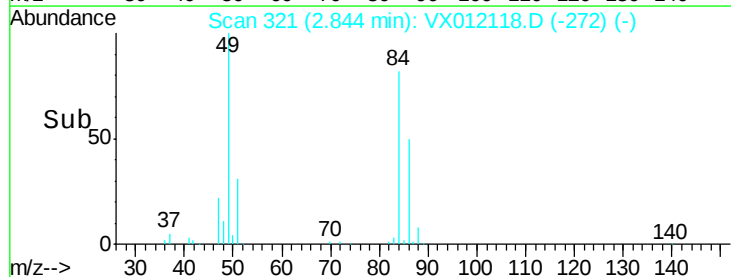
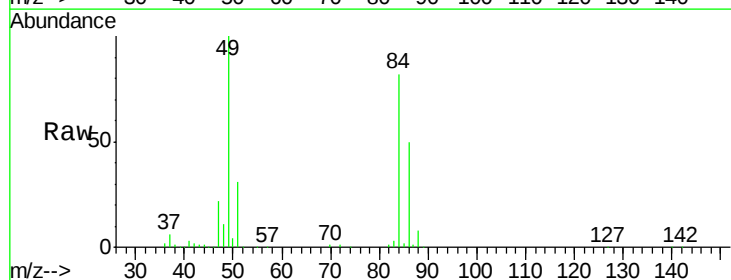
Manual Integrations
APPROVED

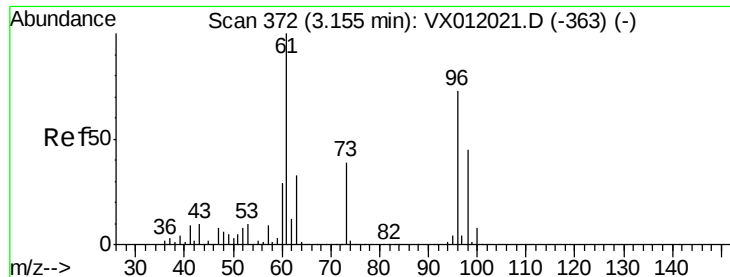
MMDadoda
9/6/2019 12:31:44 PM



#20
Methylene Chloride
Concen: 48.115 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.3	95.8	143.8
51	38.2	28.6	43.0
86	60.9	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 51.727 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 74008

Ion Ratio Lower Upper

96 100

61 149.0 107.0 160.6

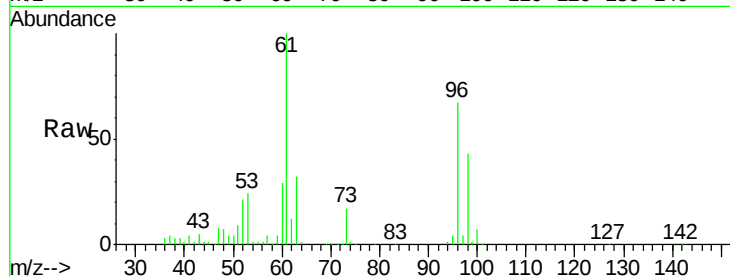
98 64.3 49.8 74.6

Manual Integrations

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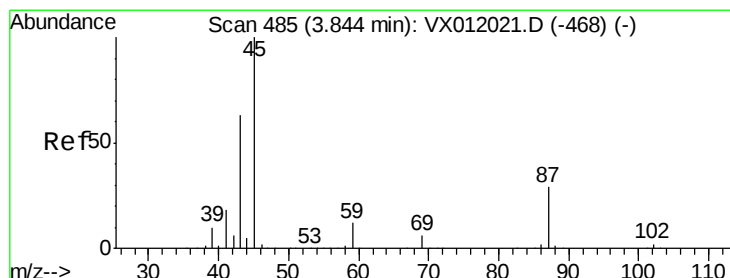
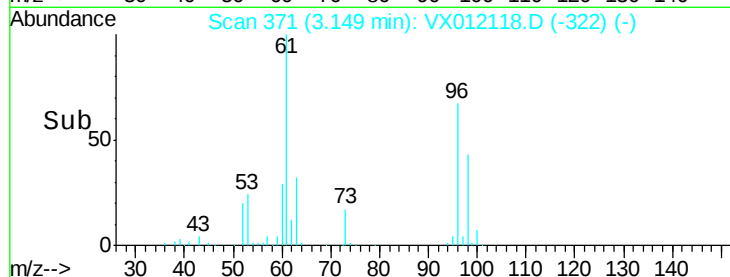
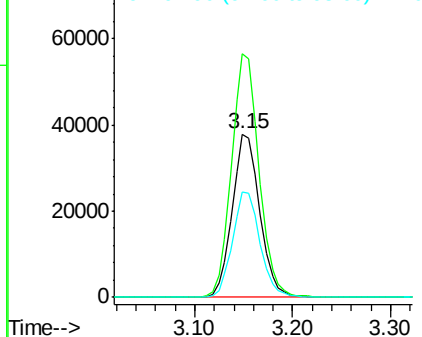
9/6/2019 12:31:44 PM



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: 53.252 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.01 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Tgt Ion: 45 Resp: 239458

Ion Ratio Lower Upper

45 100

43 64.3 54.2 81.4

87 27.0 23.4 35.0

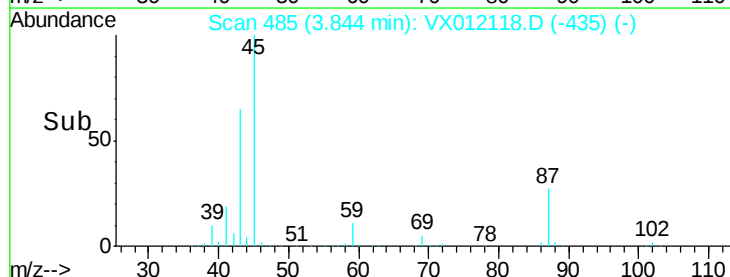
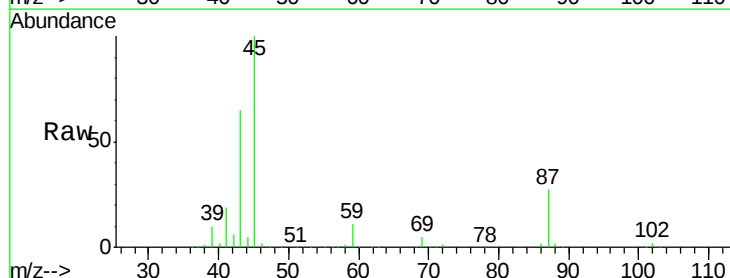
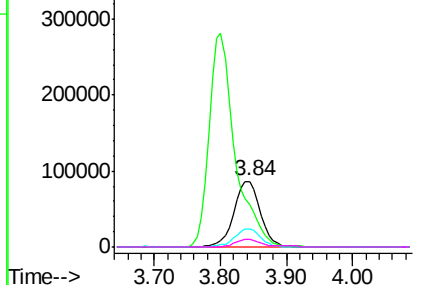
59 11.4 9.0 13.6

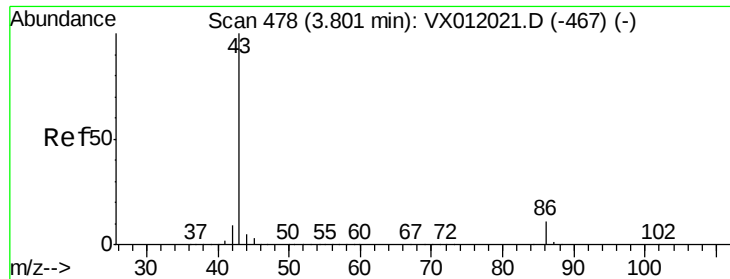
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 261.698 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 761238

Ion Ratio Lower Upper

43 100

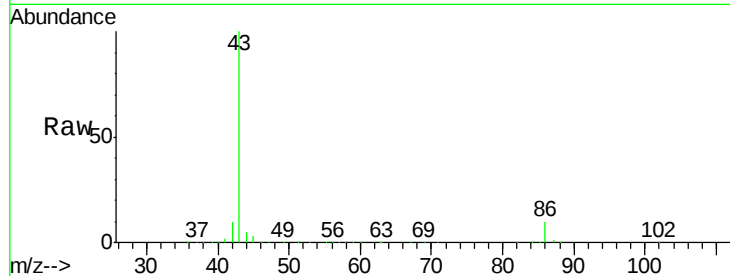
86 10.1 9.0 13.6

Manual Integrations

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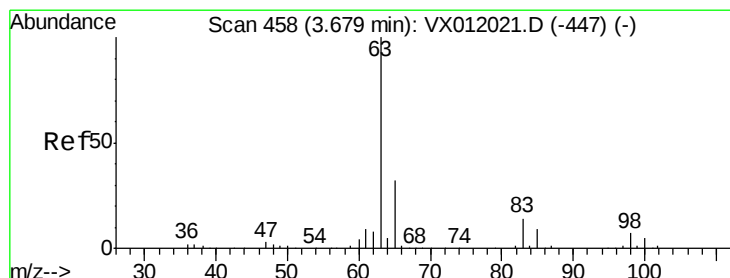
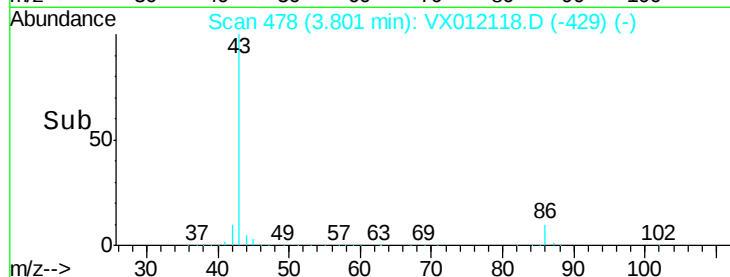
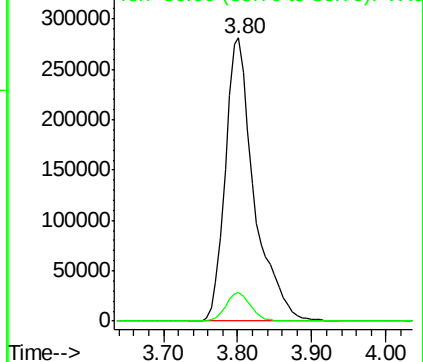
MMDadoda

9/6/2019 12:31:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.018 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

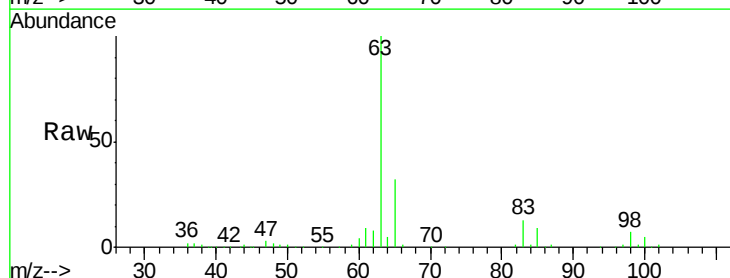
Tgt Ion: 63 Resp: 138269

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

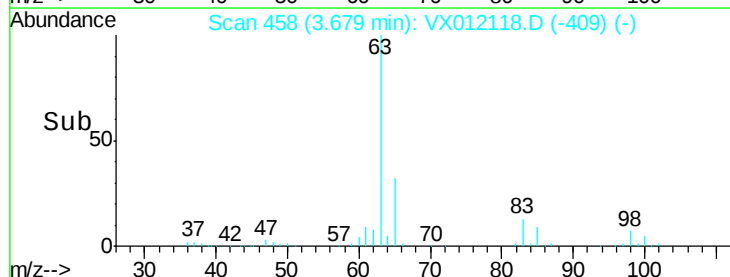
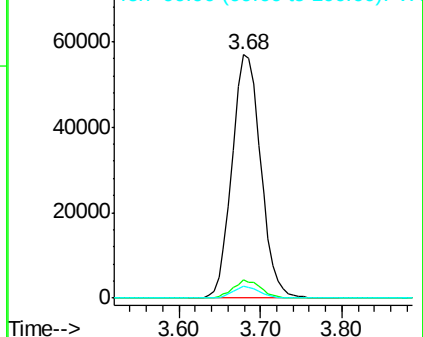
100 4.7 2.5 7.4

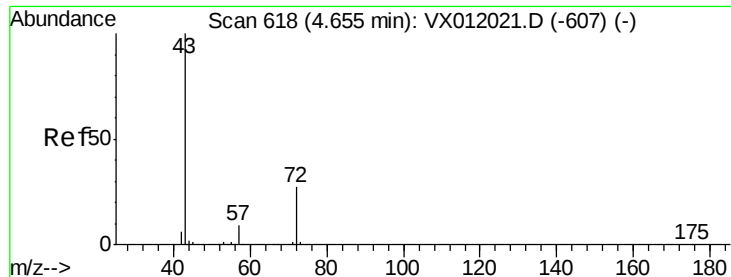


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 253.014 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 131517

Ion Ratio Lower Upper

43 100

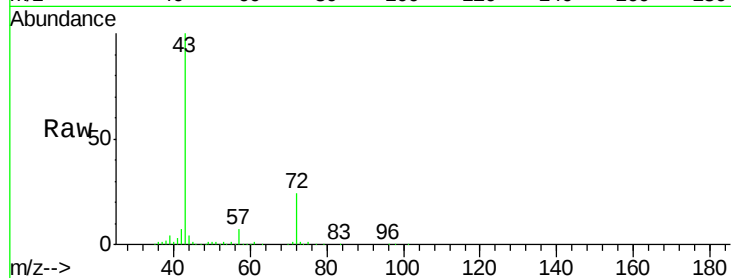
72 23.4 21.3 31.9

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.65

50000

40000

30000

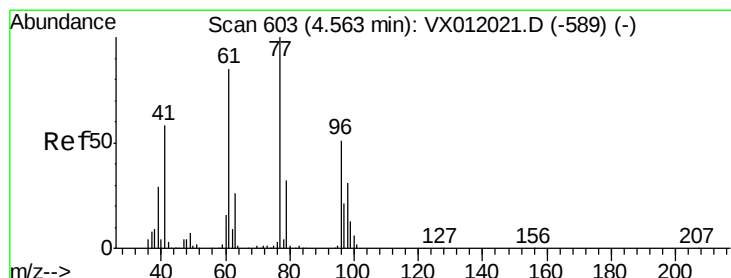
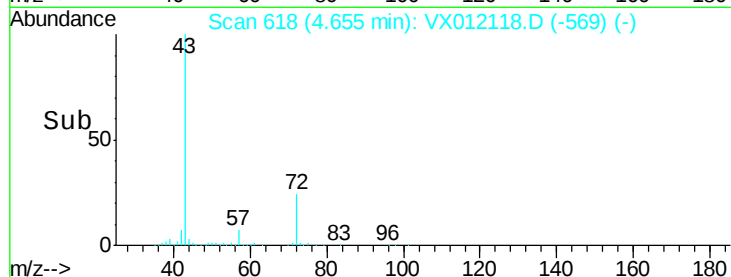
20000

10000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.522 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012118.D

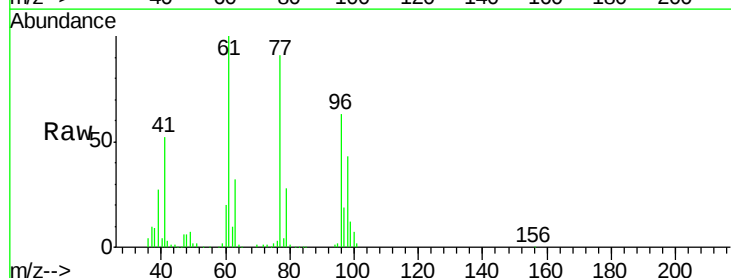
Acq: 05 Sep 2019 23:39

Tgt Ion: 77 Resp: 112014

Ion Ratio Lower Upper

77 100

97 21.4 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

40000

30000

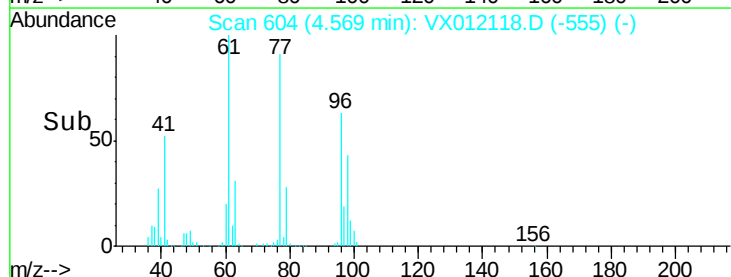
20000

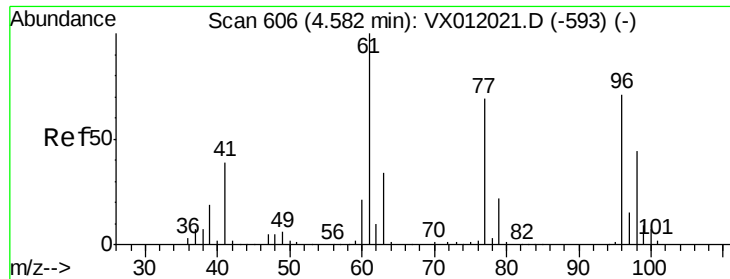
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

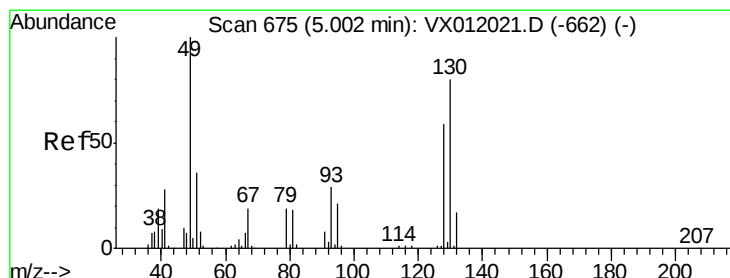
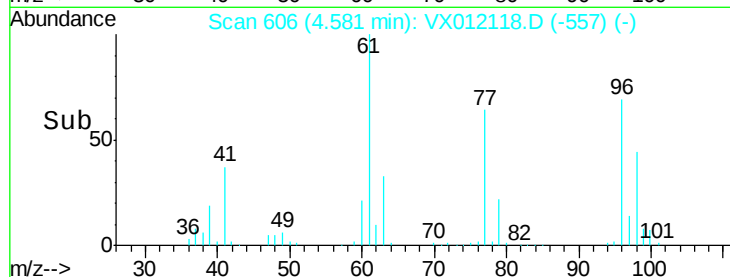
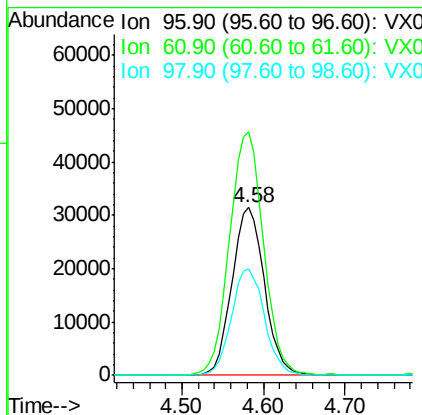
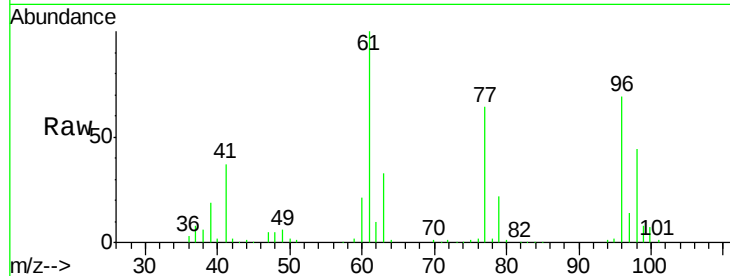
cis-1,2-Dichloroethene
Concen: 51.592 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.8	0.0	277.0	
98	64.7	0.0	128.4	

Manual Integrations
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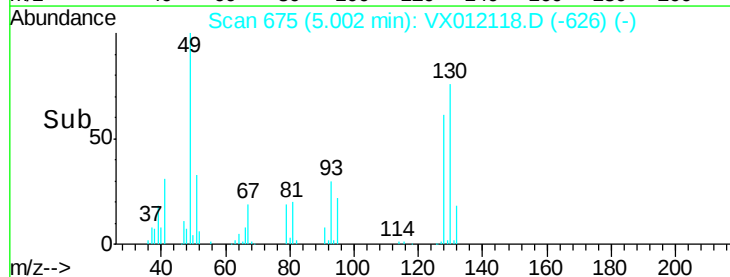
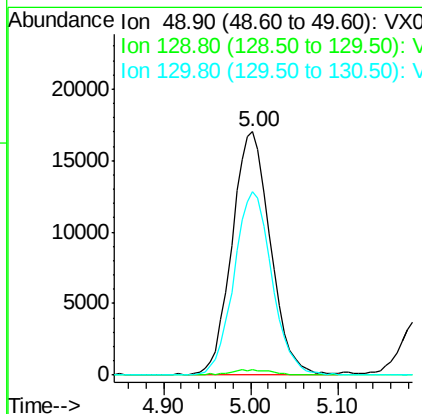
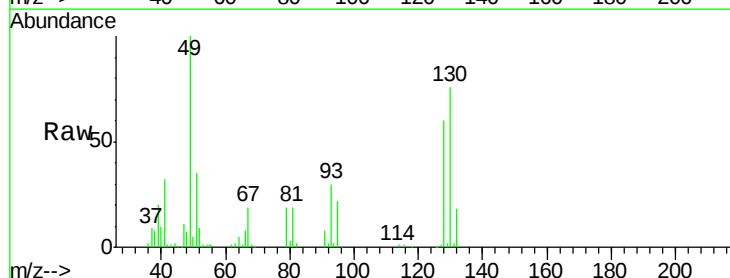
MMDadoda
9/6/2019 12:31:44 PM

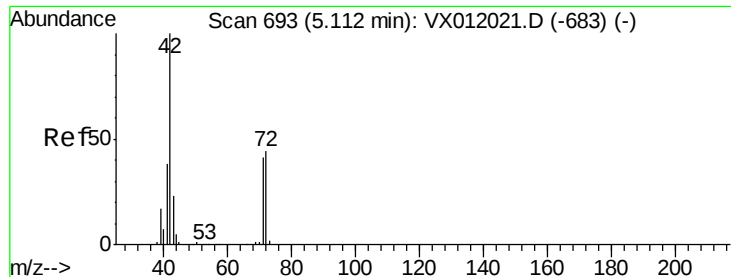


#28

Bromochloromethane
Concen: 49.983 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	5.6	
130	74.2	76.7	115.1#	





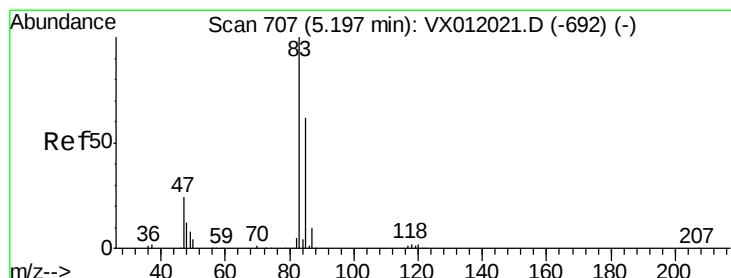
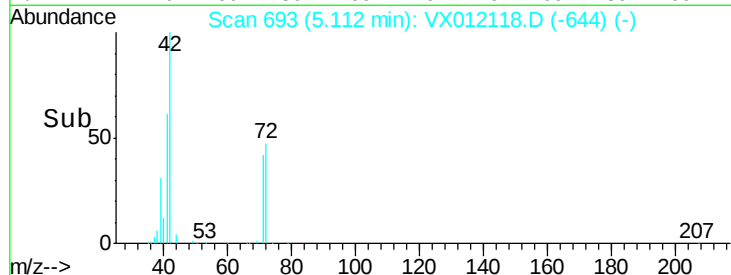
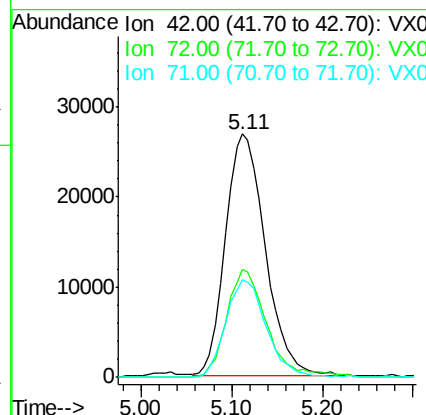
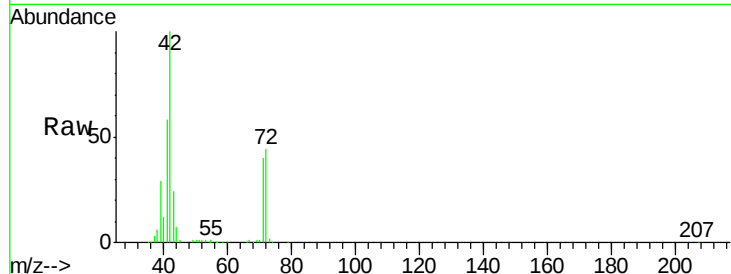
#29
Tetrahydrofuran
Concen: 261.885 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	37.0	55.4
71	40.8	33.8	50.8

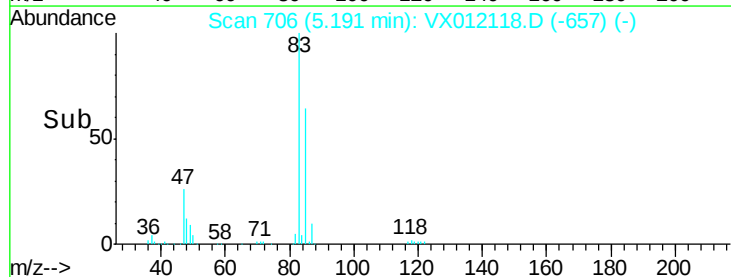
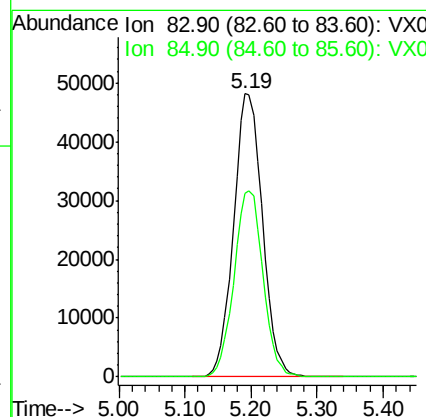
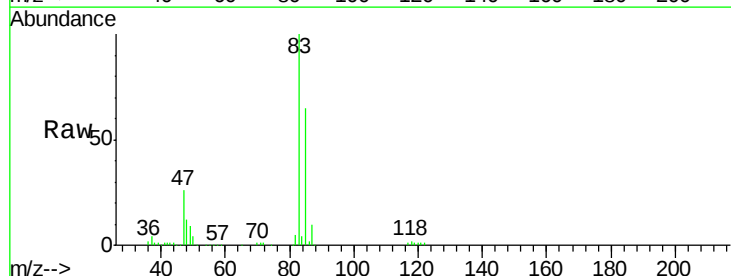
Manual Integrations
APPROVED

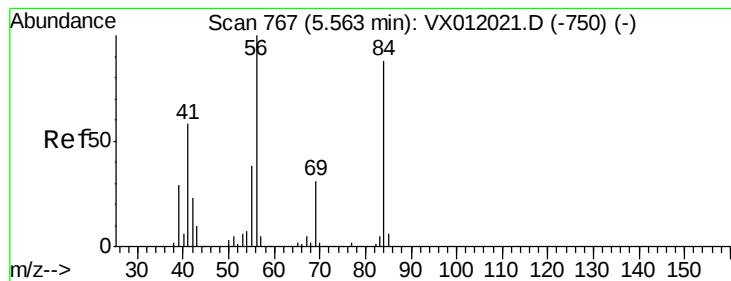
MMDadoda
9/6/2019 12:31:44 PM



#30
Chloroform
Concen: 52.135 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8





#31

Cyclohexane

Concen: 50.304 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.01 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

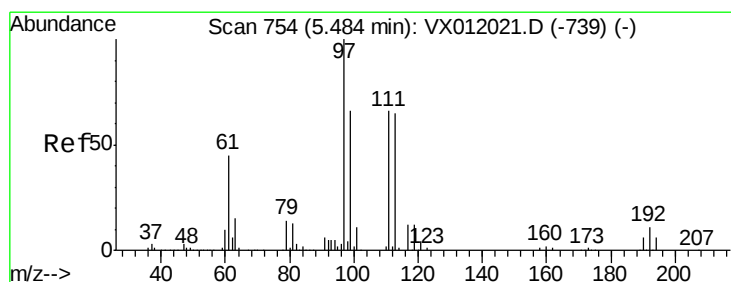
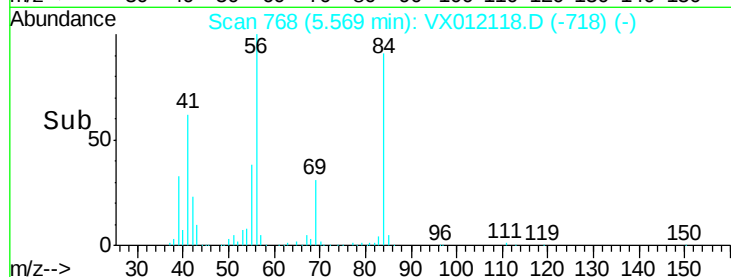
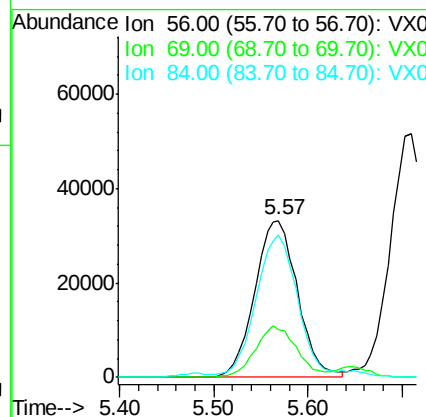
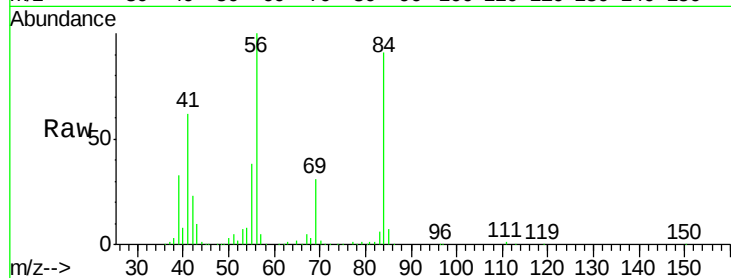
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	105363
Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.7	38.5
84	88.1	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.451 ug/l

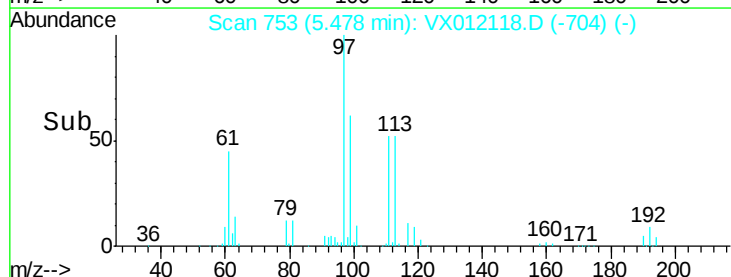
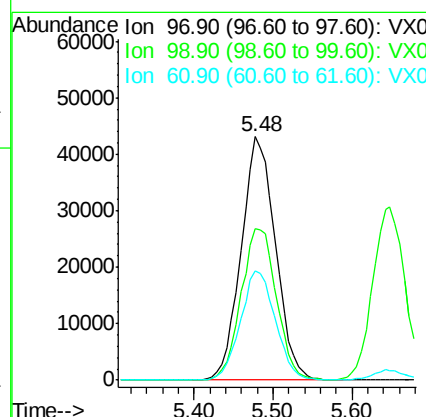
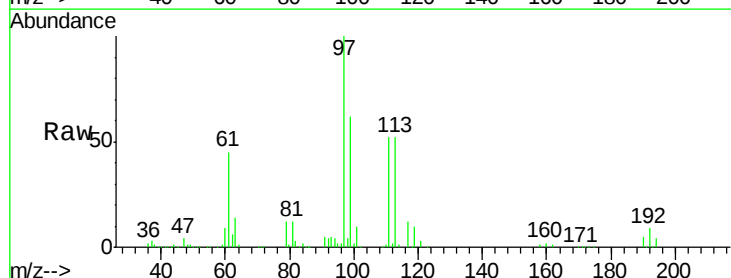
RT: 5.48 min Scan# 753

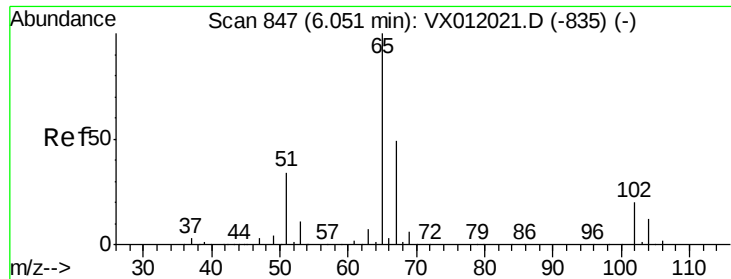
Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Tgt Ion:	97	Resp:	130272
Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.1	78.1
61	45.8	32.8	49.2





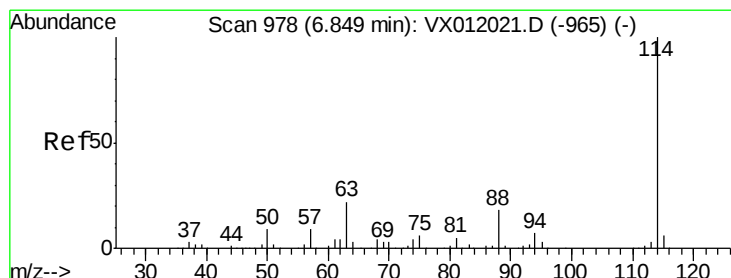
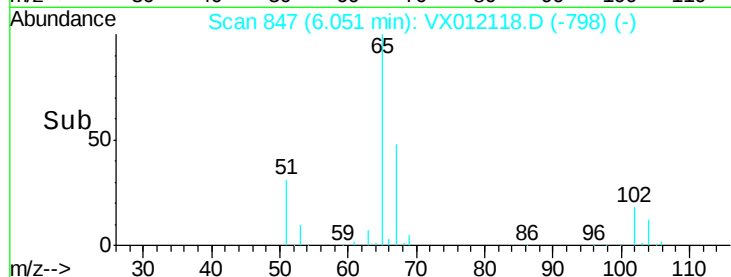
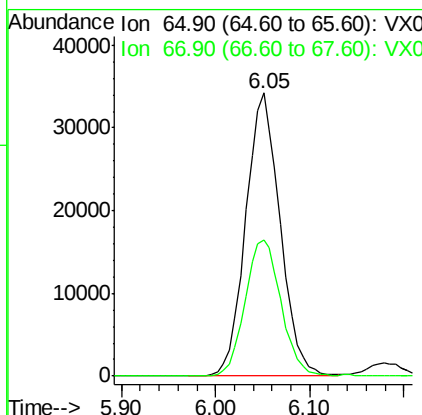
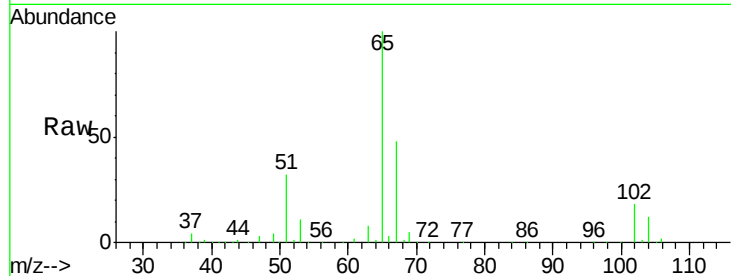
#33
 1,2-Dichloroethane-d4
 Concen: 51.235 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	102.0

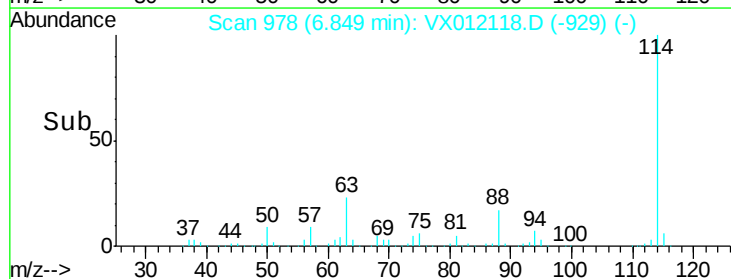
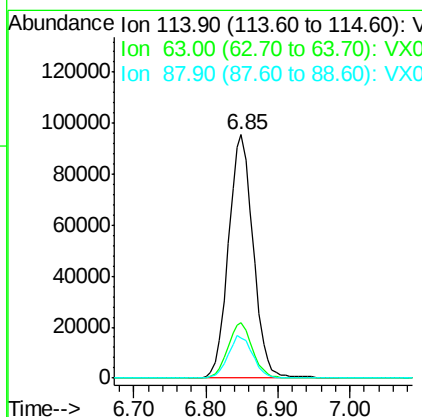
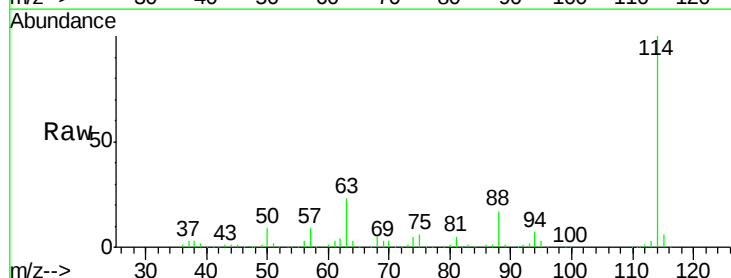
Manual Integrations
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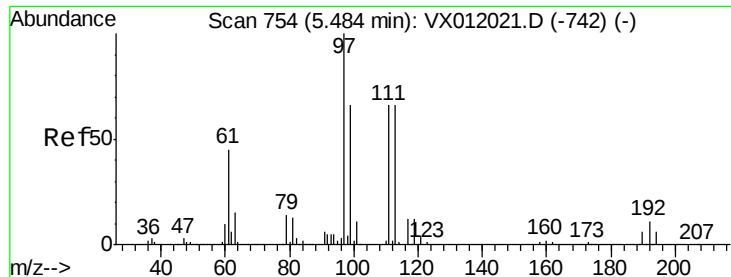
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 9/6/2019 12:31:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	37.4
88	16.6	0.0	29.6





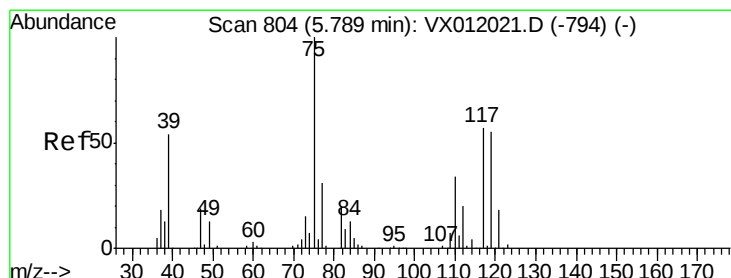
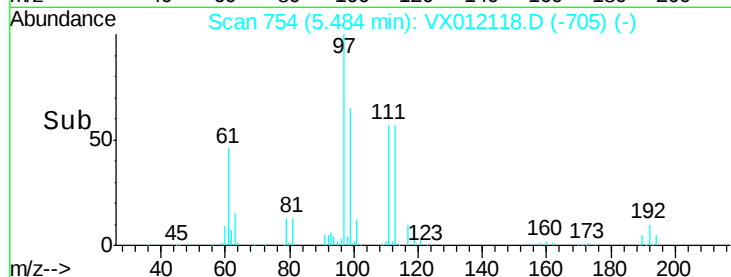
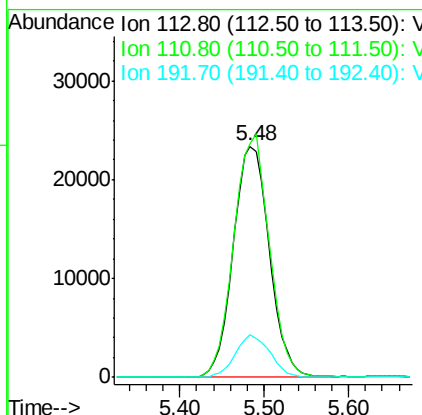
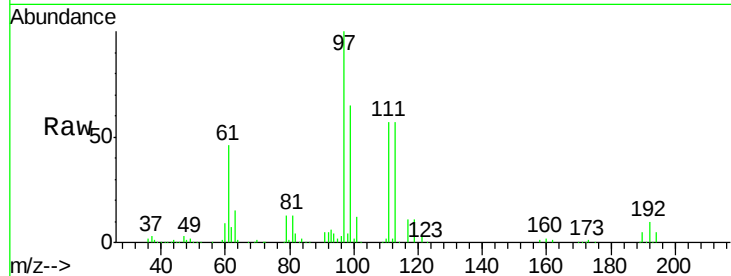
#35
 Dibromofluoromethane
 Concen: 48.592 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	68129		
111	103.4	81.7	122.5	
192	17.6	22.5	33.7#	

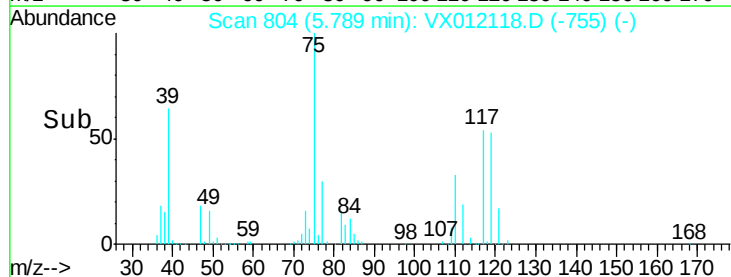
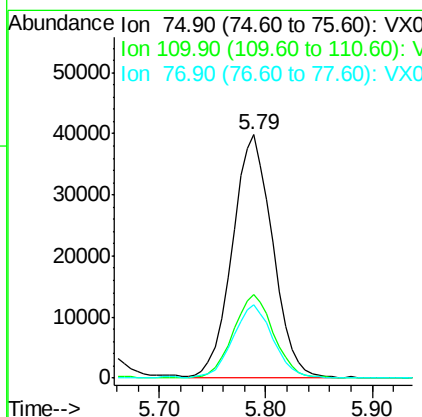
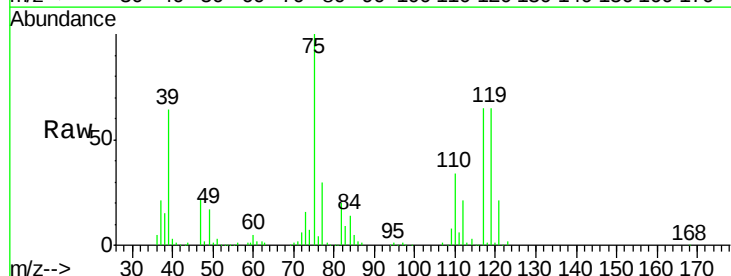
Manual Integrations
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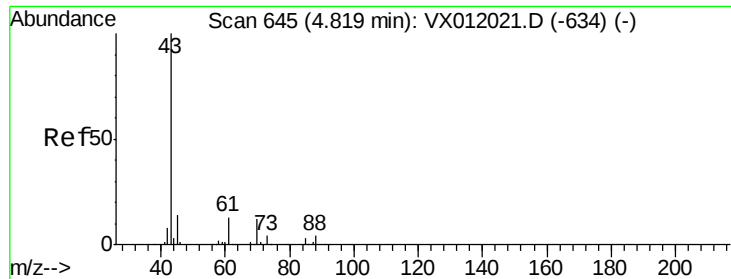
MMDadoda
 9/6/2019 12:31:44 PM



#36
 1,1-Dichloropropene
 Concen: 52.243 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	104904		
110	34.8	19.5	58.5	
77	30.5	24.6	37.0	





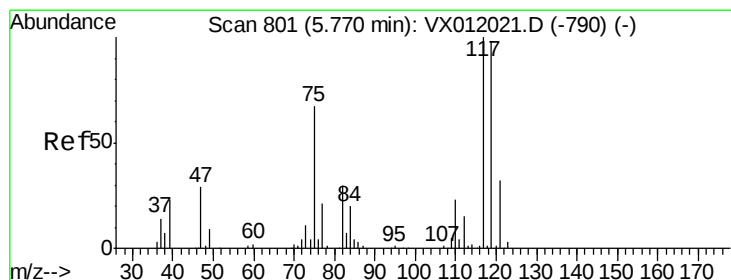
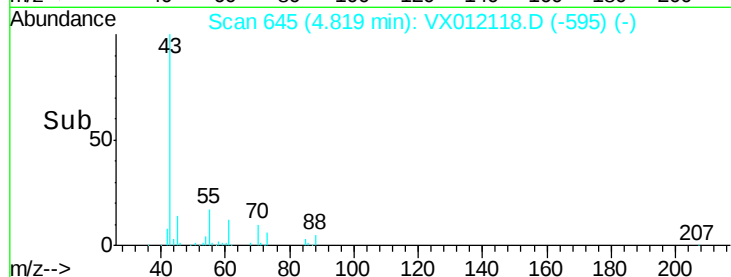
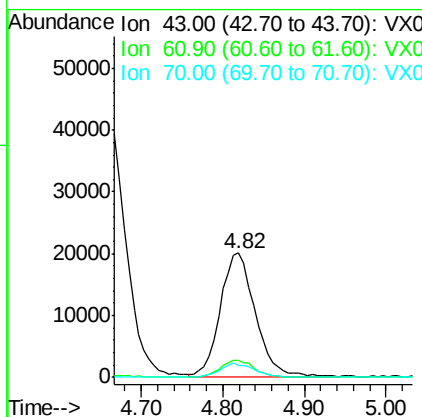
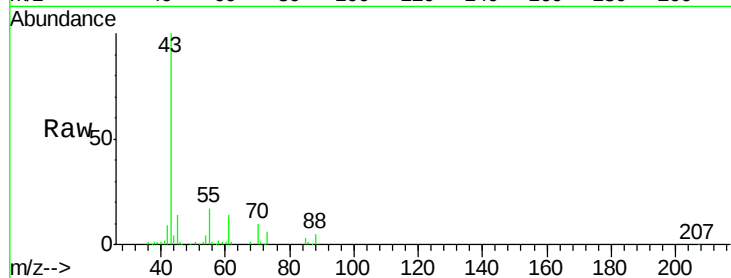
#37
Ethyl Acetate
Concen: 53.920 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:	43	Resp:	58876
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	11.6	9.4	14.0

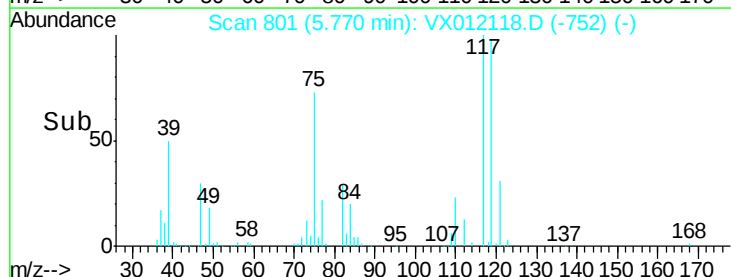
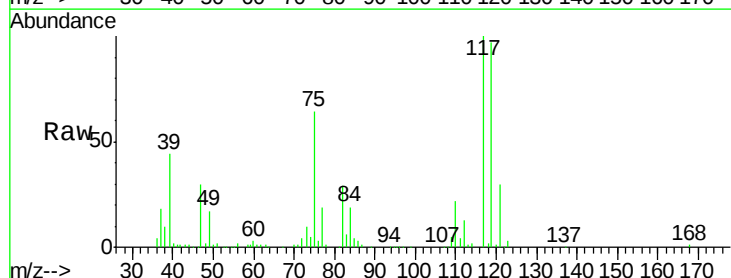
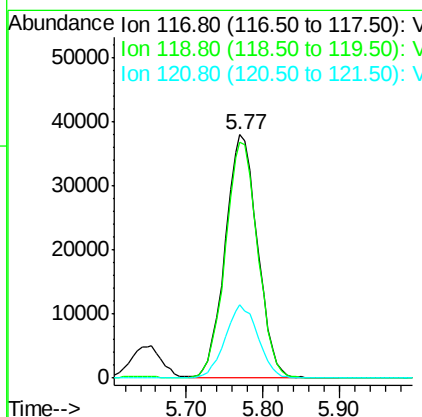
Manual Integrations
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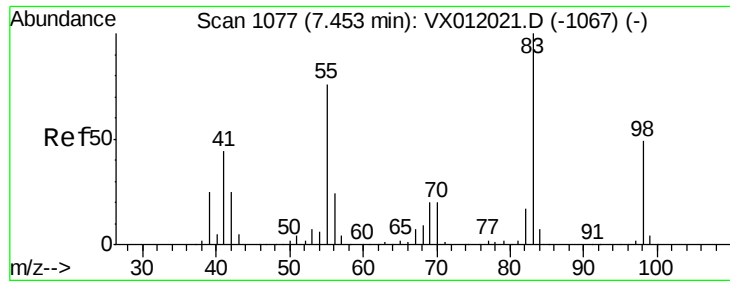
MMDadoda
9/6/2019 12:31:44 PM



#38
Carbon Tetrachloride
Concen: 52.483 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion:	117	Resp:	111048
Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.3	117.5
121	30.3	24.2	36.2





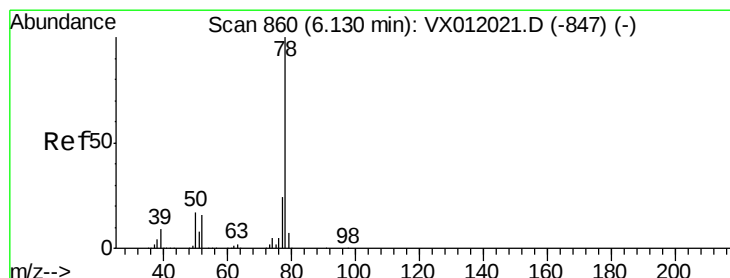
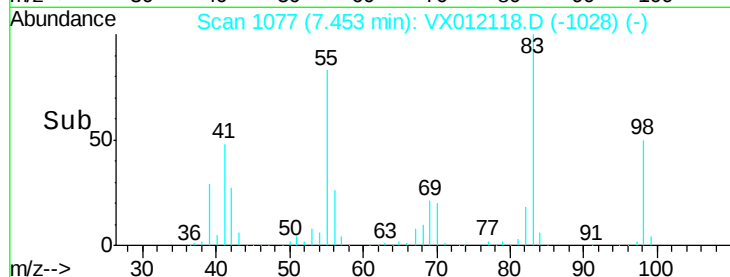
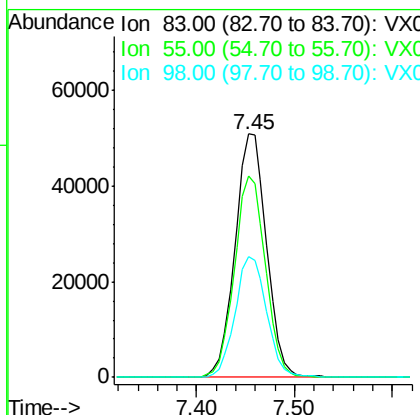
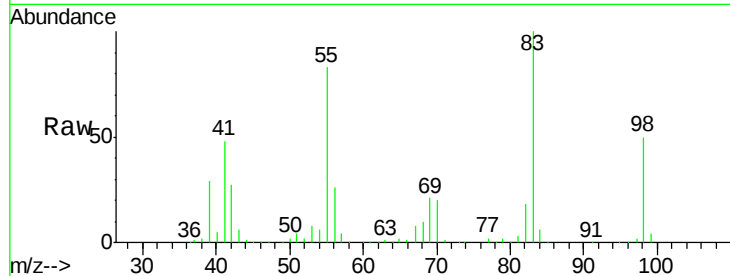
#39
Methvlcvclohexane
Concen: 48.831 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.4	59.6	89.4	
98	49.8	41.4	62.0	

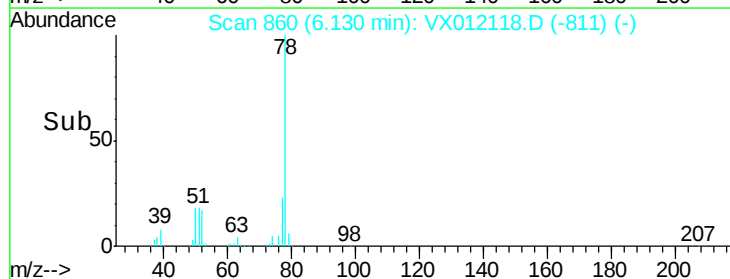
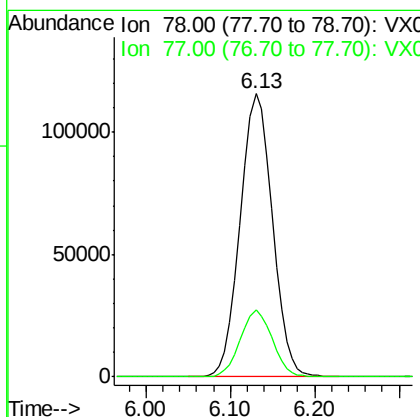
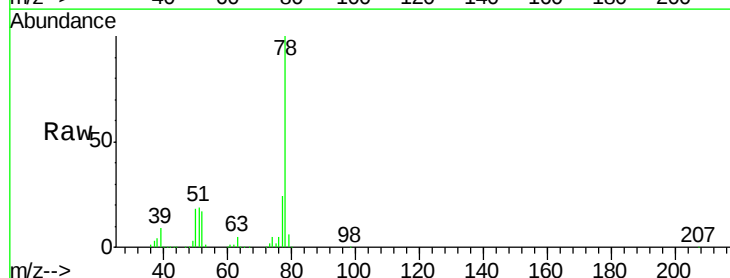
Manual Integrations
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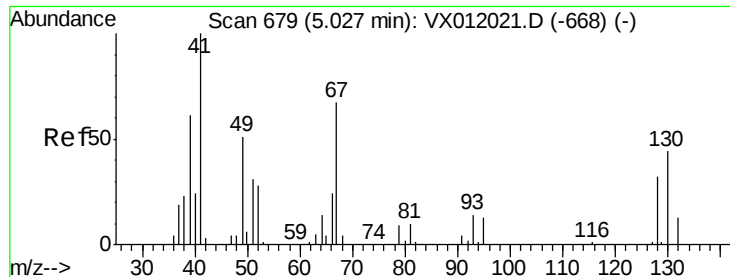
MMDadoda
9/6/2019 12:31:44 PM



#40
Benzene
Concen: 52.101 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.3	28.9	





#41

Methacrylonitrile

Concen: 51.581 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 33588

Ion Ratio Lower Upper

41 100

39 60.4 46.7 70.1

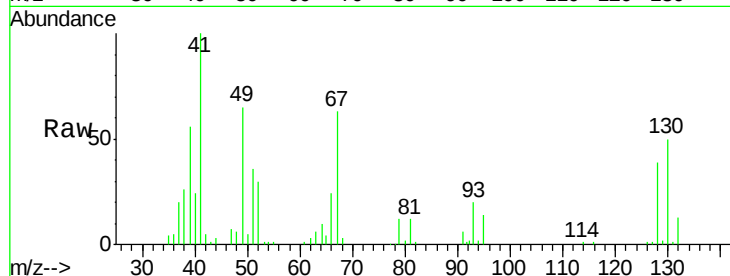
67 69.7 57.0 85.6

52 31.4 23.5 35.3

Manual Integrations
APPROVED

MMDadoda

9/6/2019 12:31:44 PM

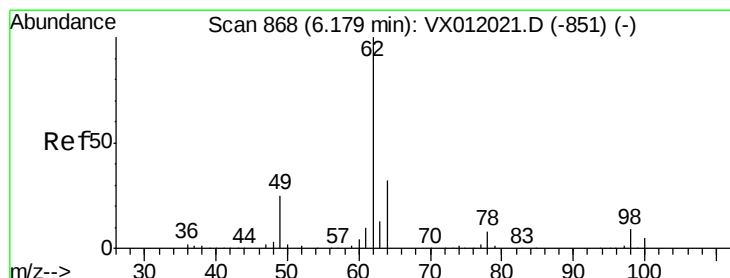
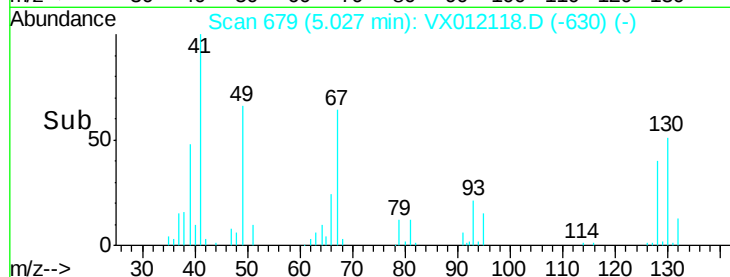
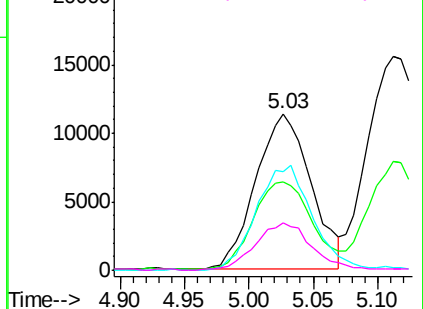


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 54.491 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012118.D

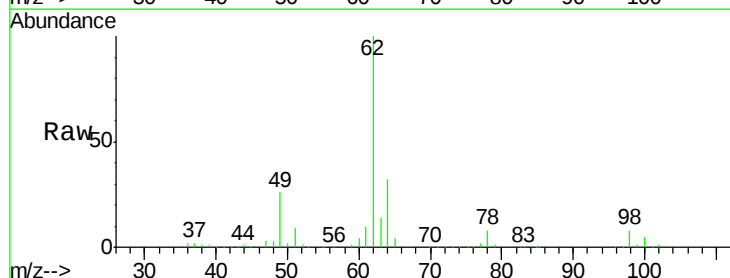
Acq: 05 Sep 2019 23:39

Tgt Ion: 62 Resp: 113038

Ion Ratio Lower Upper

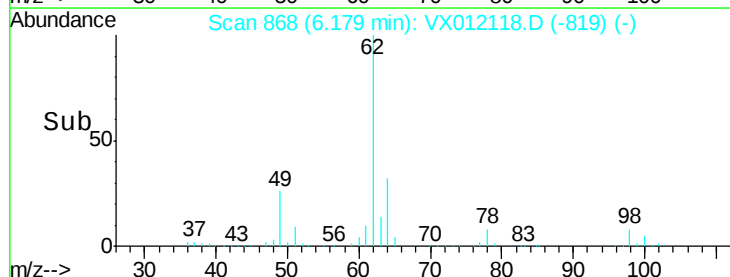
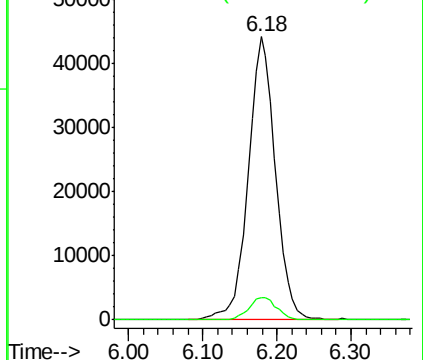
62 100

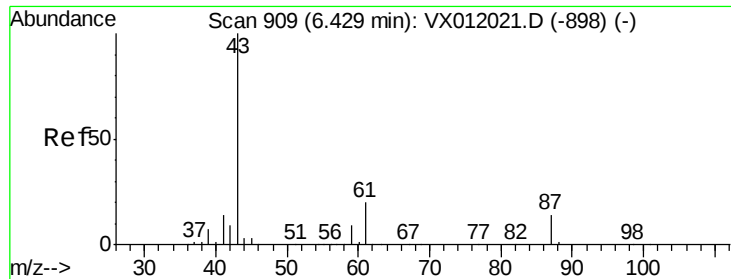
98 8.2 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

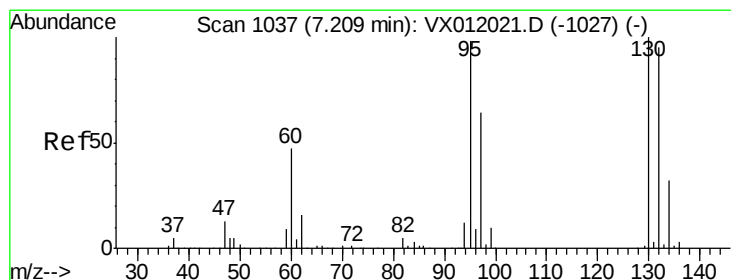
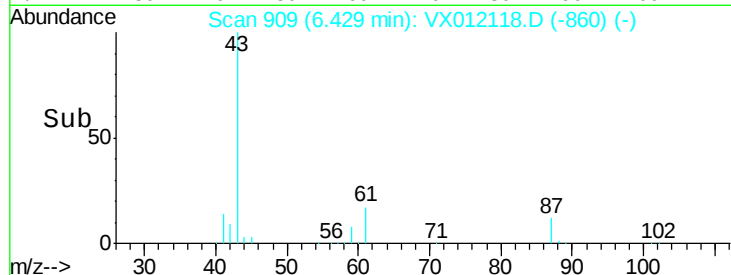
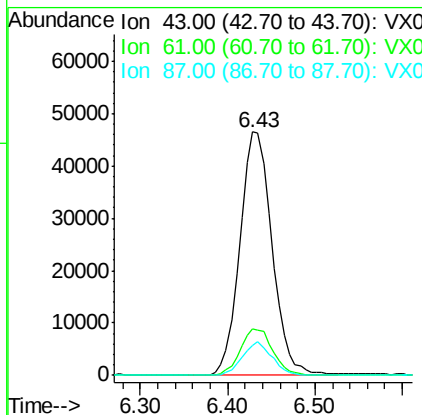
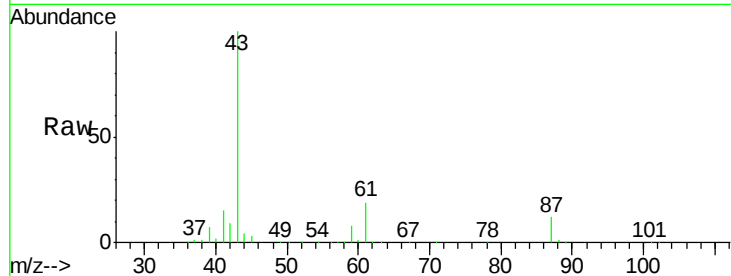
Isopropyl Acetate
 Concen: 53.349 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	16.1	24.1
87	12.9	11.3	16.9

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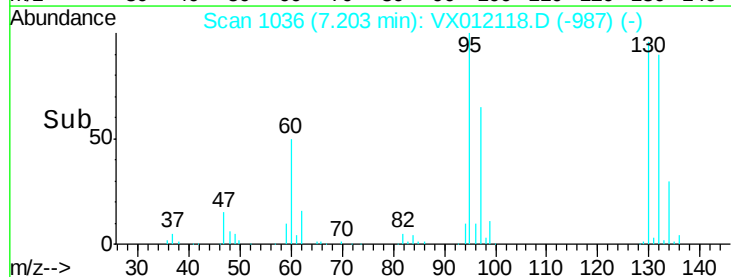
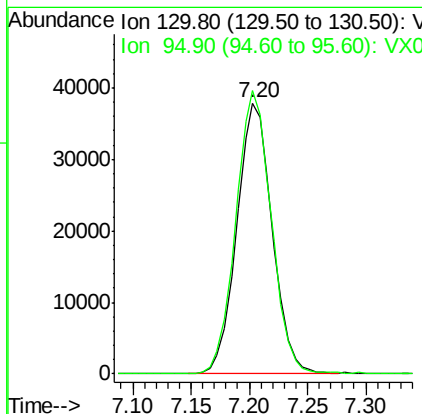
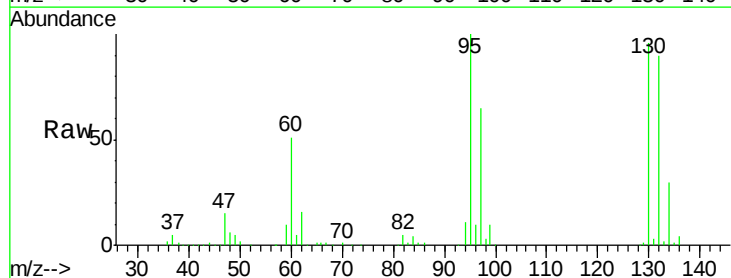
MMDadoda
 9/6/2019 12:31:44 PM

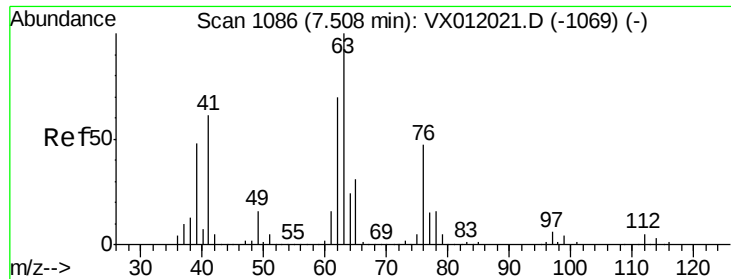


#44

Trichloroethene
 Concen: 51.533 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	176.4





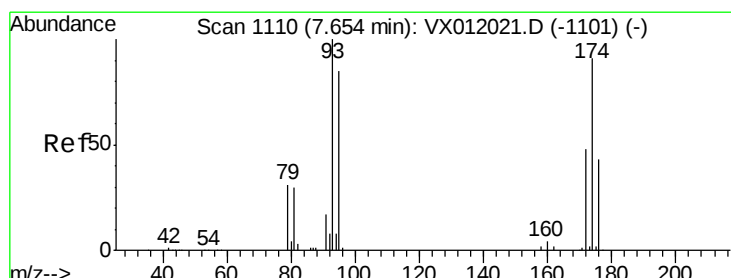
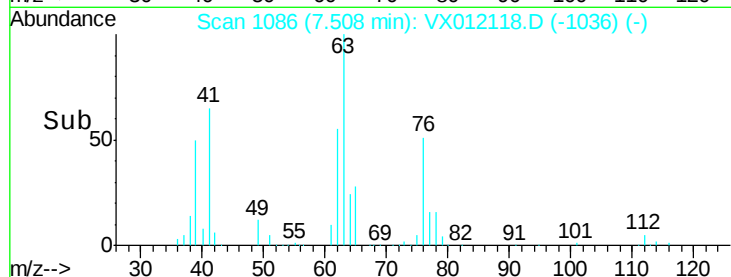
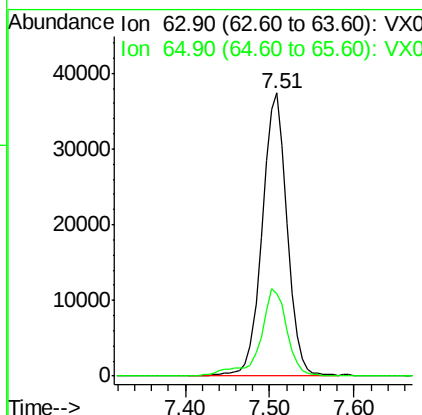
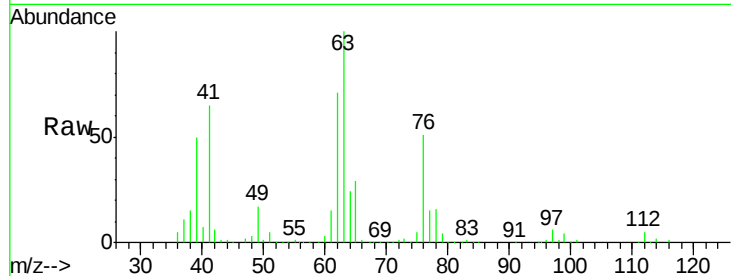
#45
 1,2-Dichloropropane
 Concen: 51.342 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 76466
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.0 37.6

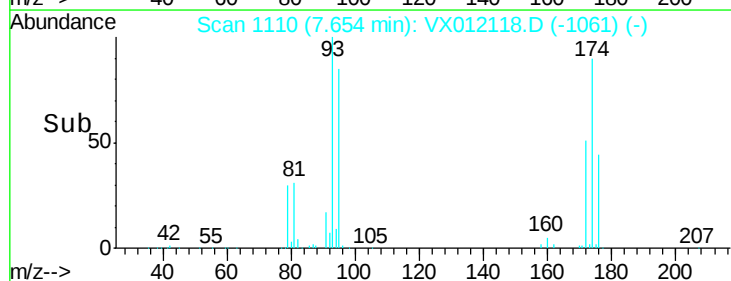
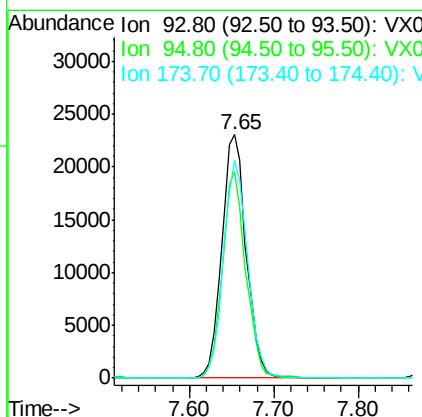
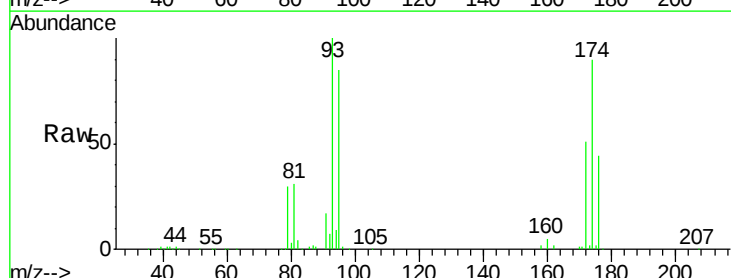
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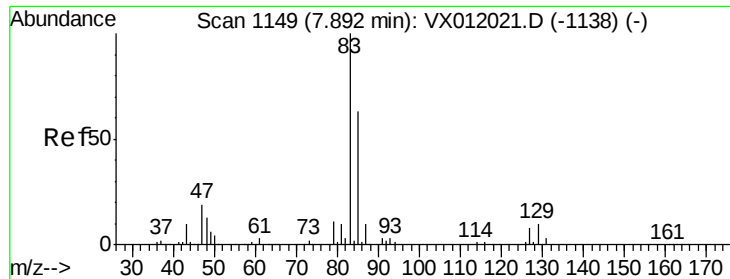
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#46
 Dibromomethane
 Concen: 52.398 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Tgt Ion: 93 Resp: 45556
 Ion Ratio Lower Upper
 93 100
 95 81.2 66.2 99.2
 174 88.2 110.2 165.4#





#47

Bromodichloromethane

Concen: 51.481 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

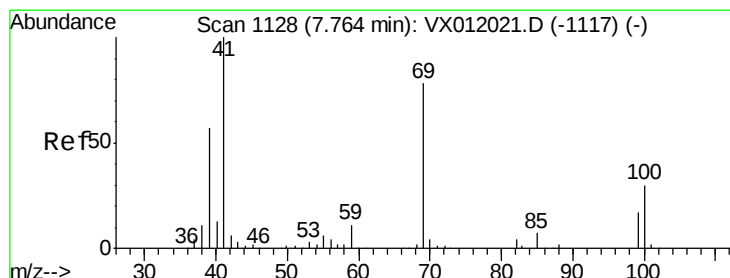
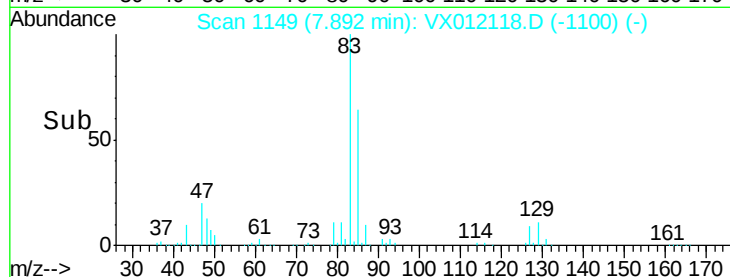
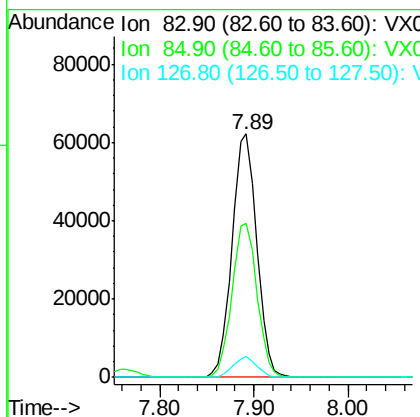
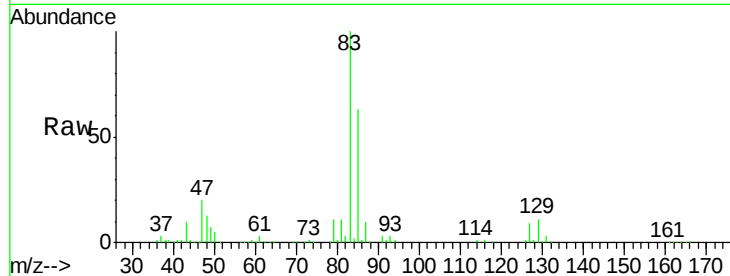
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	113771
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.3	75.5
127	8.5	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.181 ug/l

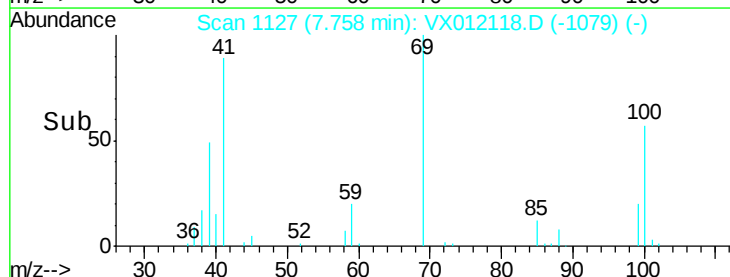
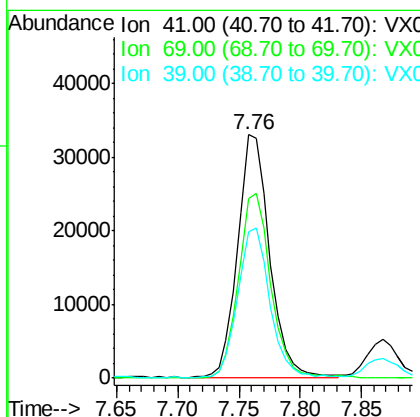
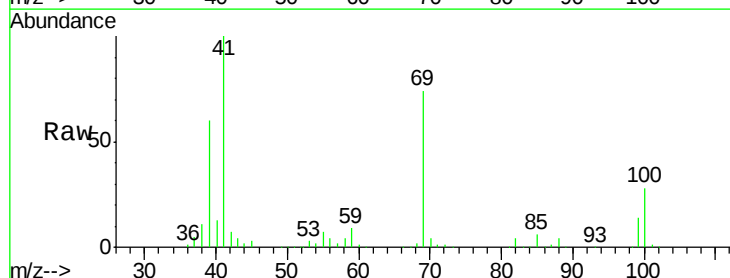
RT: 7.76 min Scan# 1127

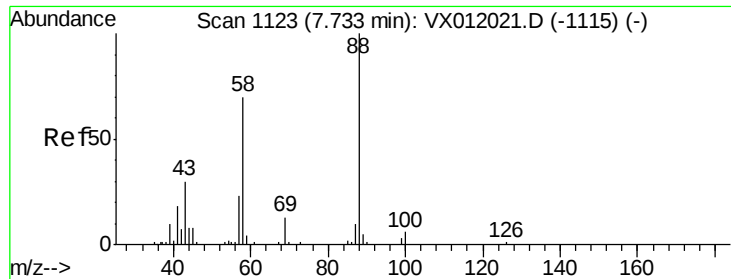
Delta R.T. -0.01 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Tgt Ion:	41	Resp:	59369
Ion Ratio	Lower	Upper	
41	100		
69	77.9	66.3	99.5
39	62.2	48.1	72.1





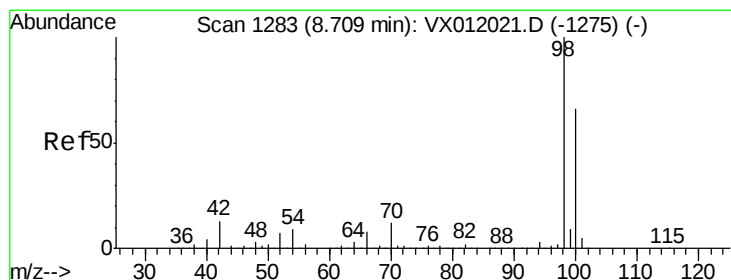
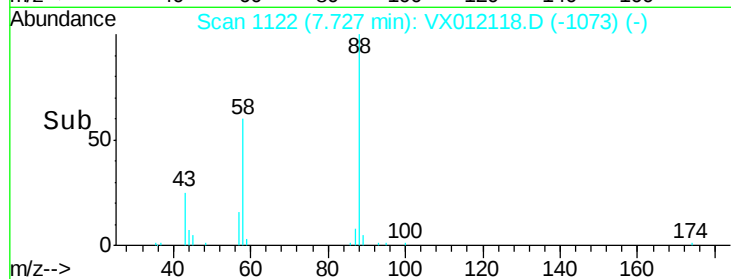
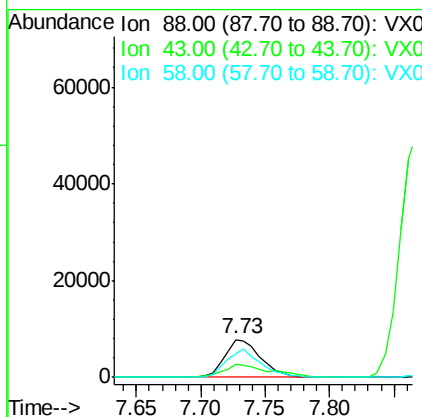
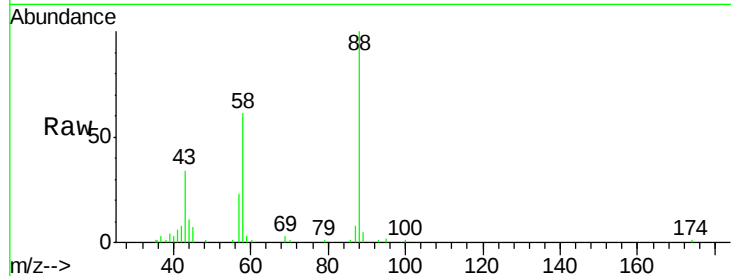
#49
1,4-Dioxane
Concen: 1004.644 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	15289
Ion Ratio	Lower	Upper	
88	100		
43	39.5	29.8	44.6
58	73.4	55.4	83.2

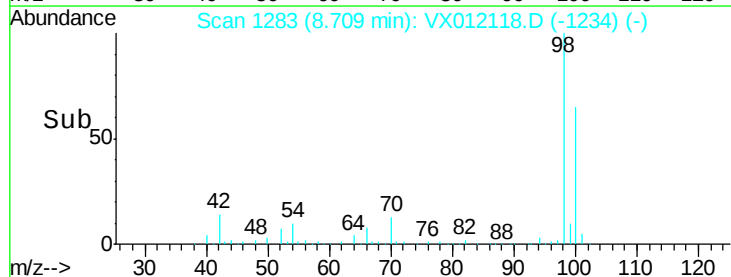
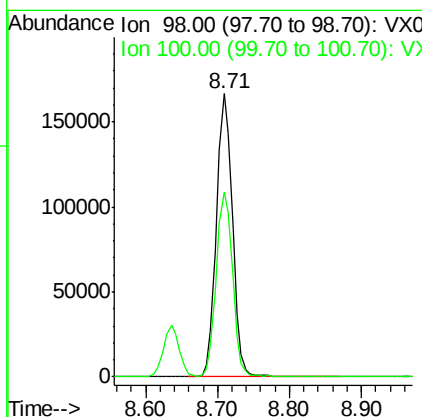
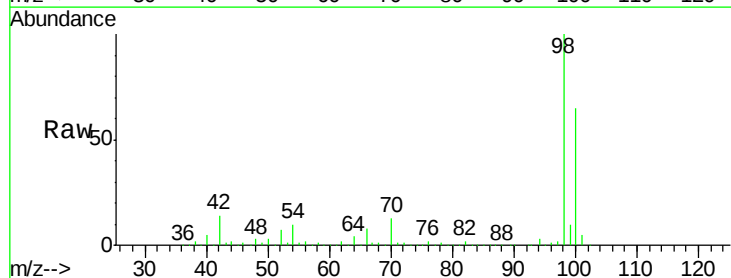
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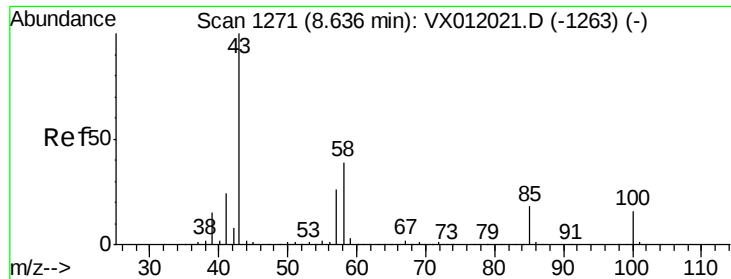
MMDadoda
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#50
Toluene-d8
Concen: 50.044 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	98	Resp	257470
Ion Ratio	Lower	Upper	
98	100		
100	67.1	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 270.316 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 305268

Ion Ratio Lower Upper

43 100

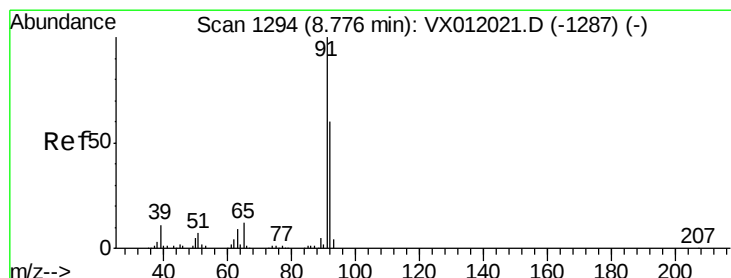
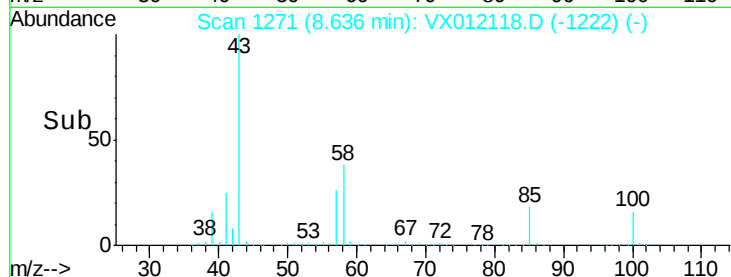
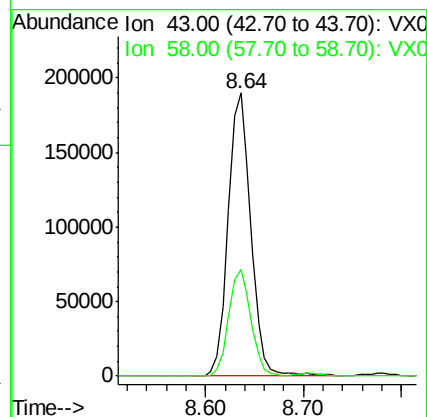
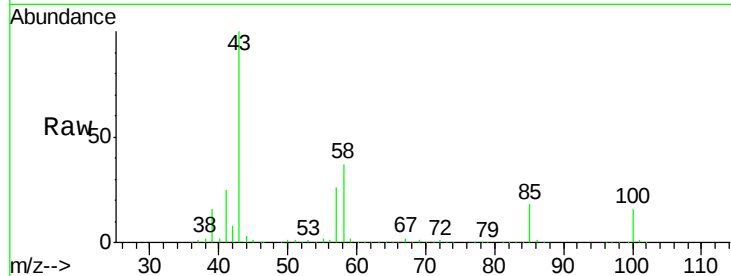
58 36.9 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 52.108 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012118.D

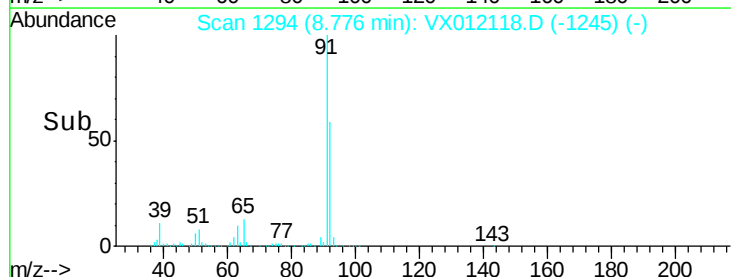
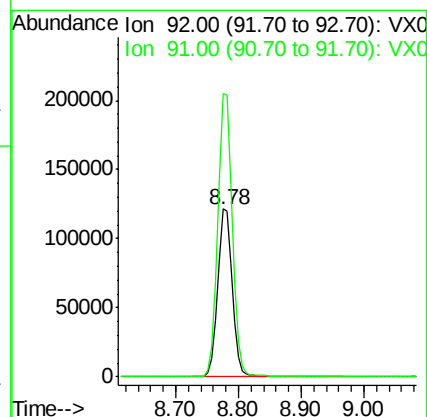
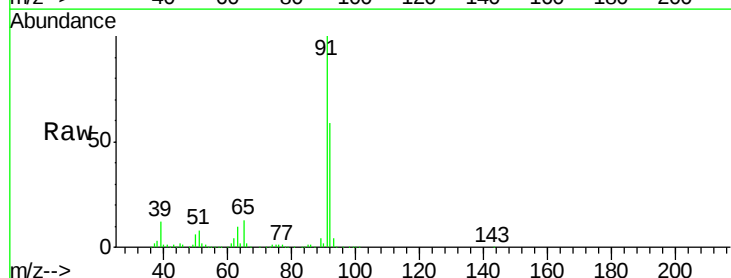
Acq: 05 Sep 2019 23:39

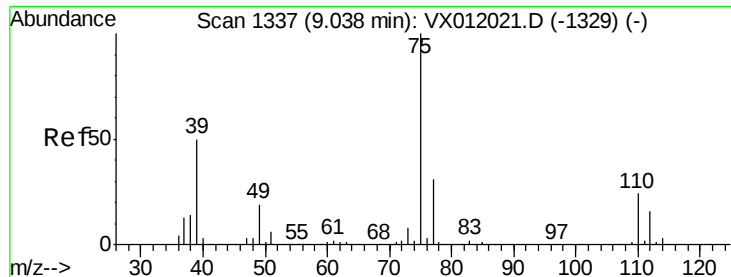
Tgt Ion: 92 Resp: 195442

Ion Ratio Lower Upper

92 100

91 169.1 136.0 204.0





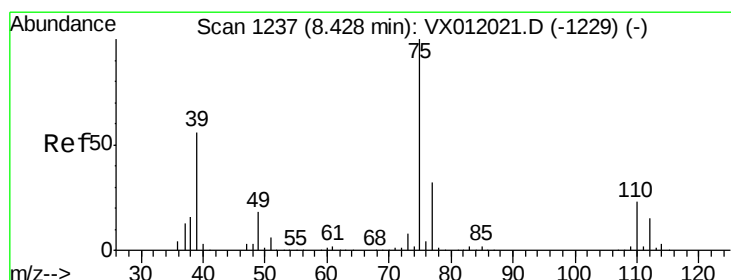
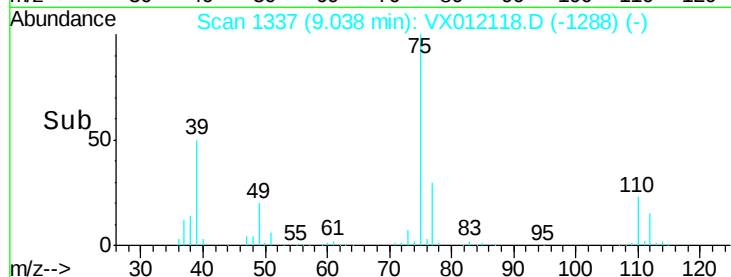
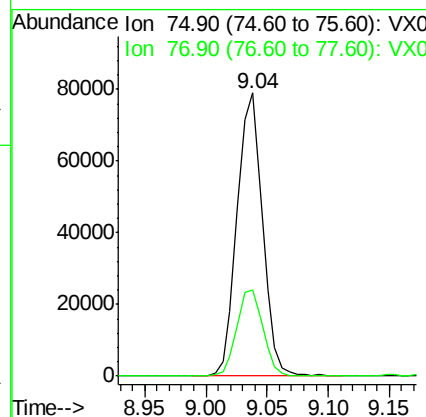
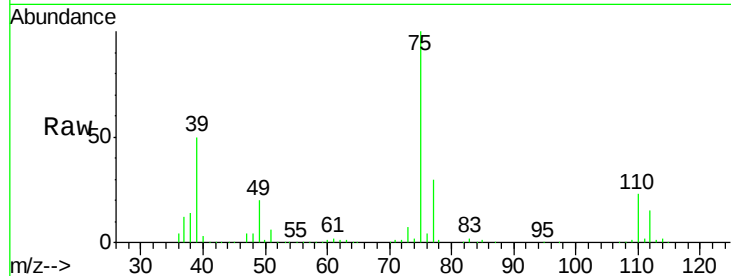
#53
t-1,3-Dichloropropene
Concen: 49.508 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 113273
Ion Ratio Lower Upper
75 100
77 30.3 25.1 37.7

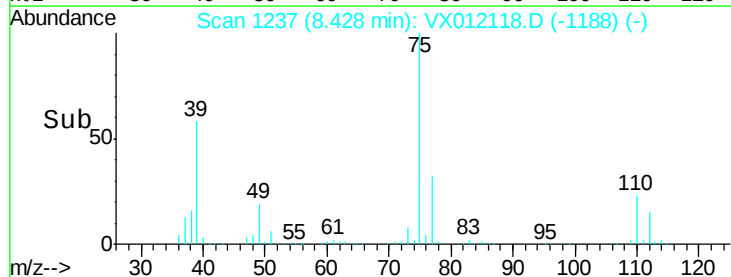
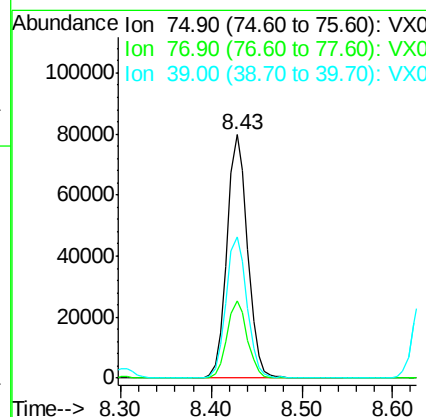
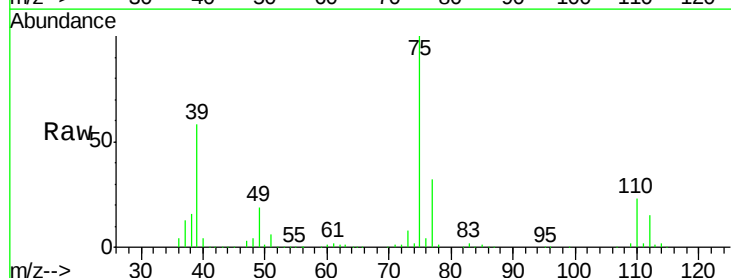
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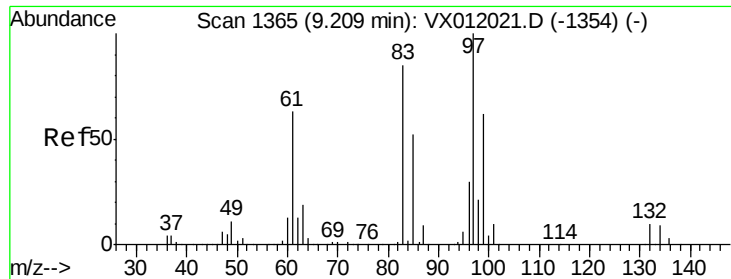
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#54
cis-1,3-Dichloropropene
Concen: 49.673 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion: 75 Resp: 126382
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
39 57.8 43.0 64.4





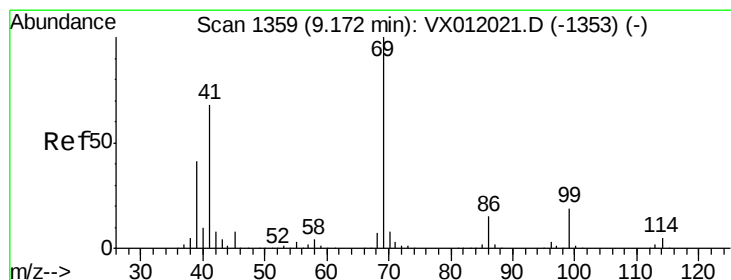
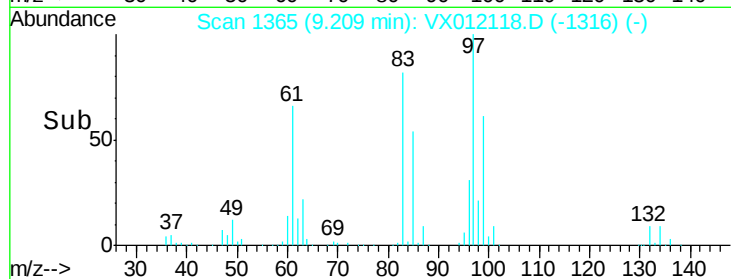
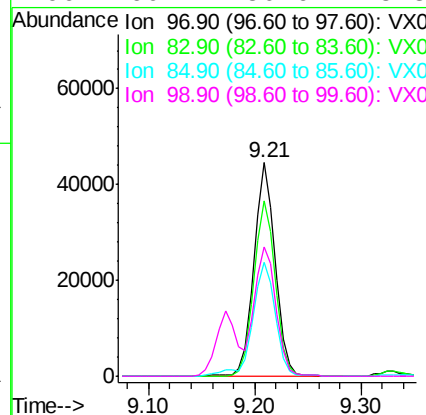
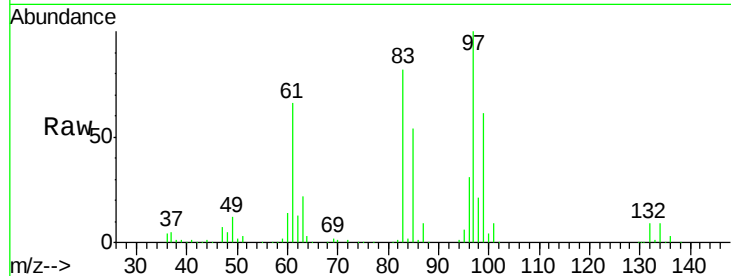
#55
 1,1,2-Trichloroethane
 Concen: 50.306 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	62530
Ion	Ratio	Lower	Upper
97	100		
83	82.1	66.0	99.0
85	53.5	41.0	61.6
99	60.7	50.6	75.8

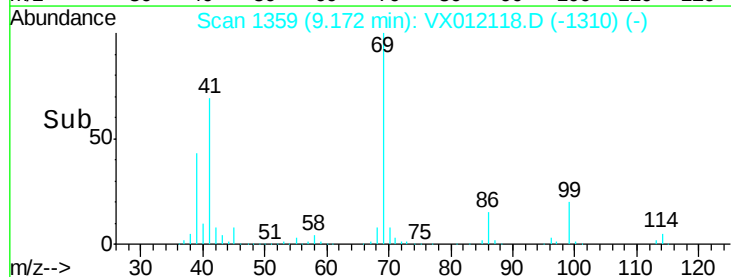
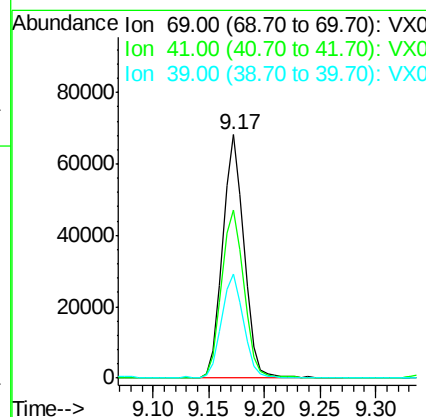
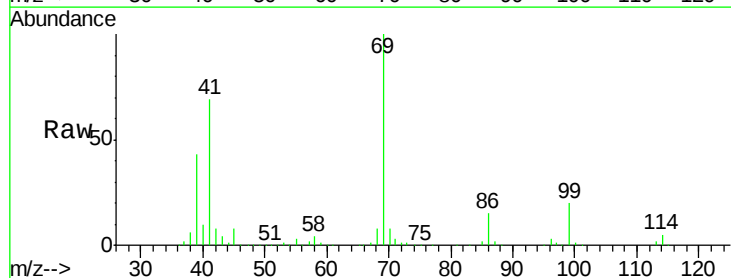
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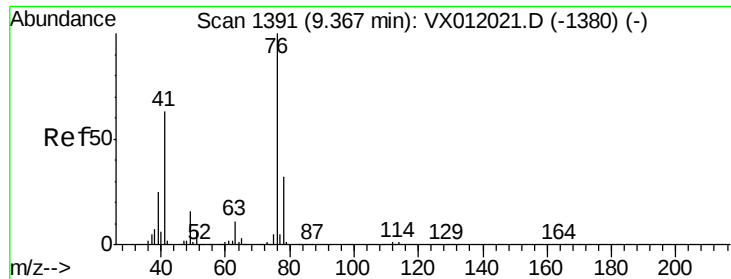
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#56
 Ethyl methacrylate
 Concen: 51.249 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Tgt Ion:	69	Resp:	91245
Ion	Ratio	Lower	Upper
69	100		
41	71.8	53.9	80.9
39	43.3	31.1	46.7





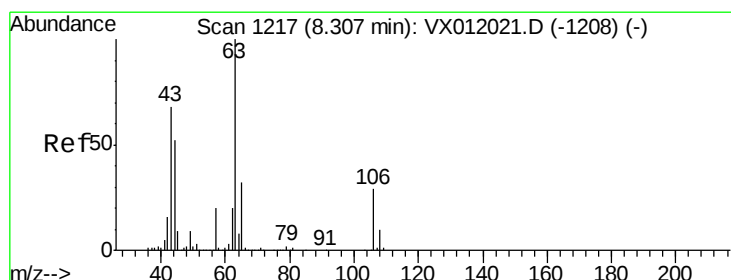
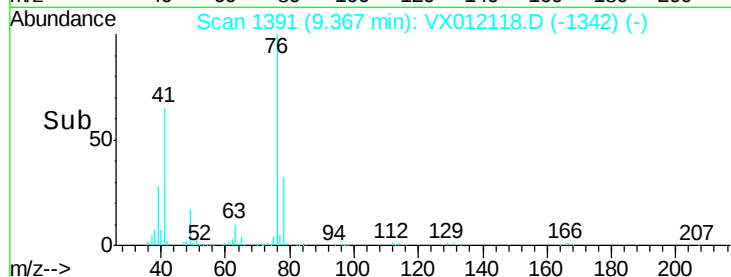
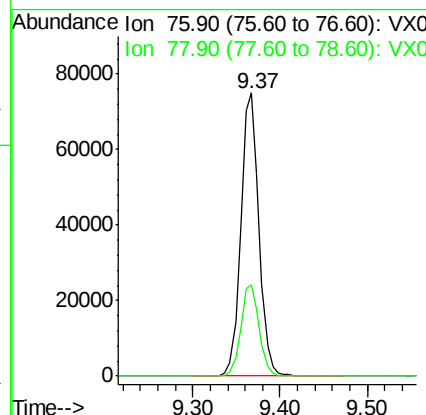
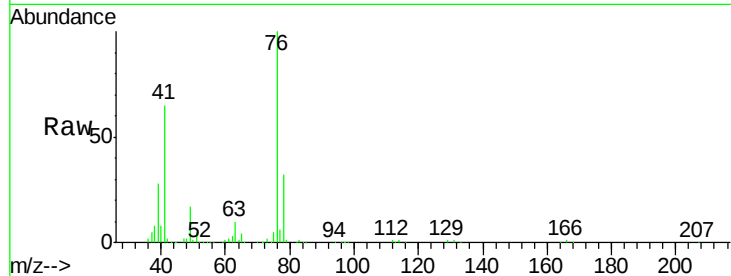
#57
 1,3-Dichloropropane
 Concen: 50.507 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

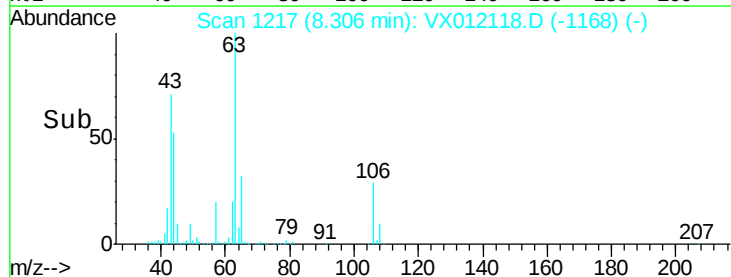
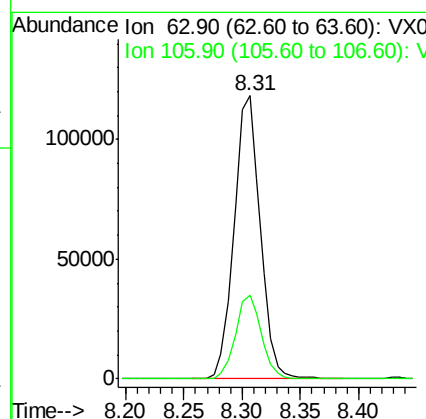
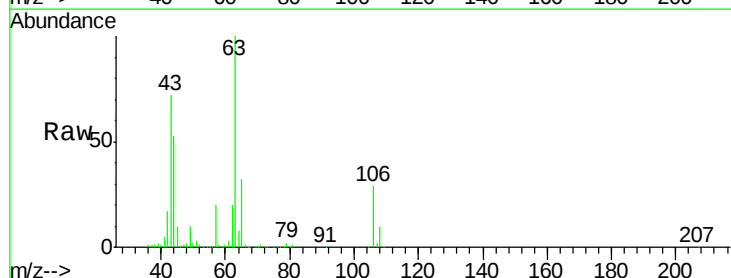
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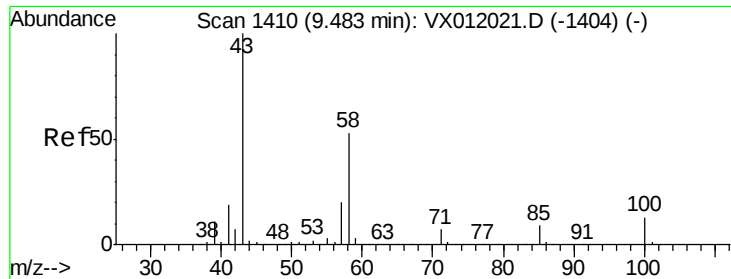
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 9/6/2019 12:31:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.051 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	26.5	39.7





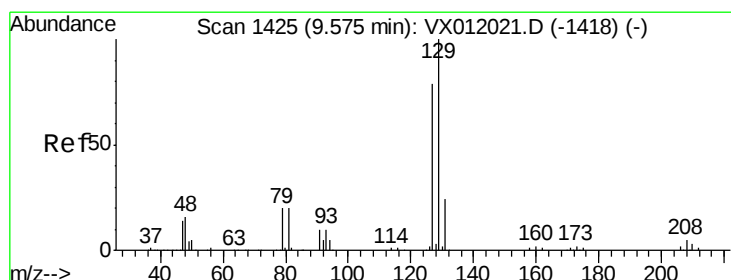
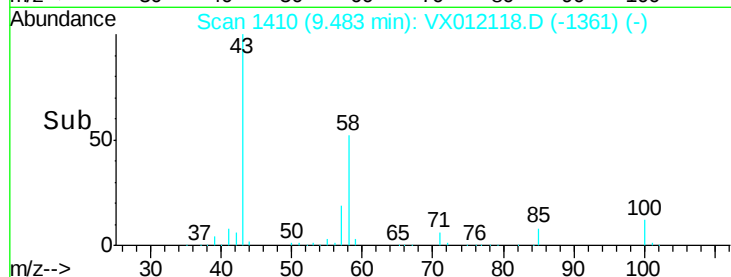
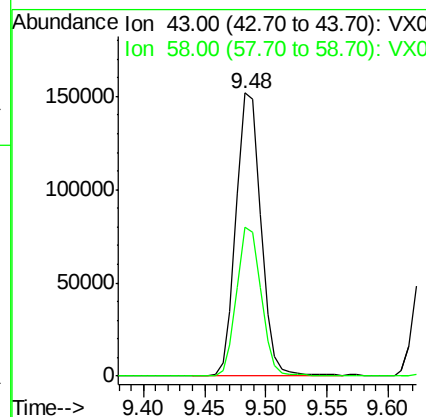
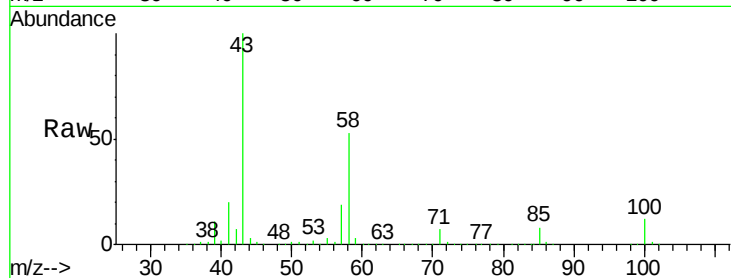
#59
2-Hexanone
Concen: 257.606 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.5	27.2	81.6

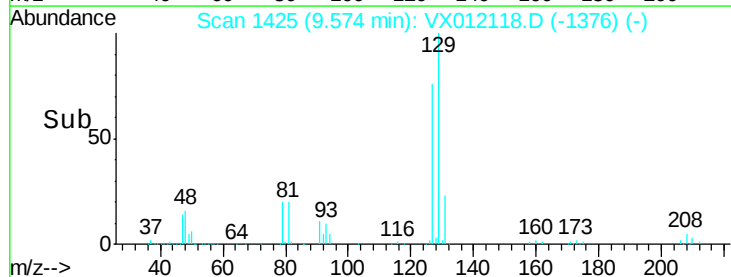
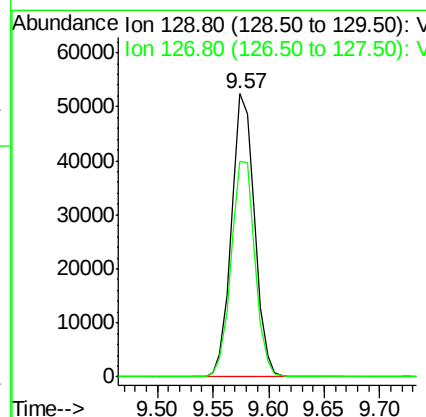
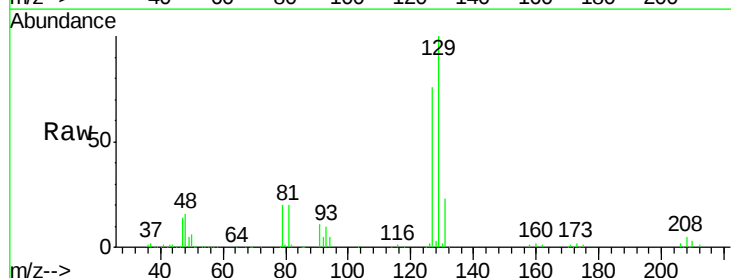
Manual Integrations
APPROVED

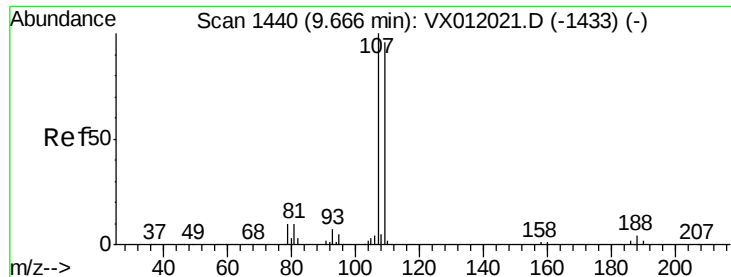
MMDadoda
9/6/2019 12:31:44 PM



#60
Dibromochloromethane
Concen: 50.731 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.1	114.5





#61

1,2-Dibromoethane

Concen: 51.706 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 62103

Ion Ratio Lower Upper

107 100

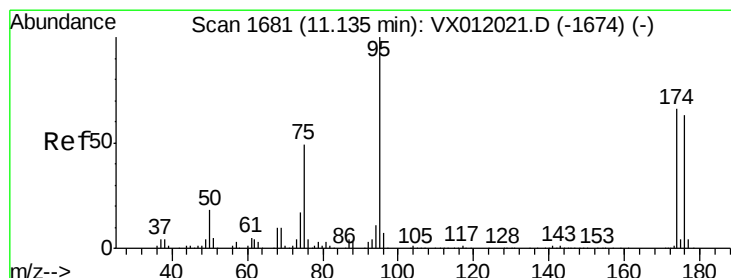
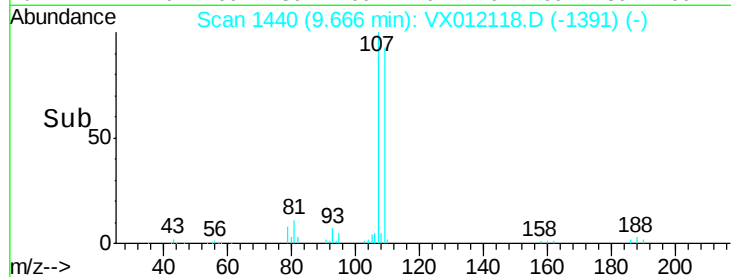
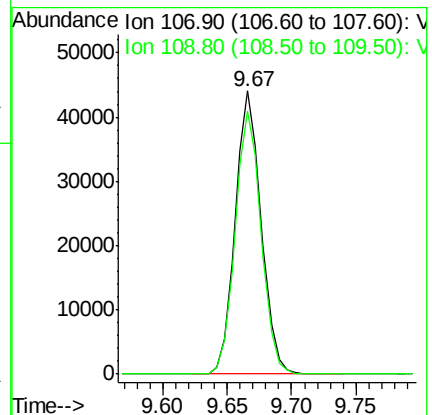
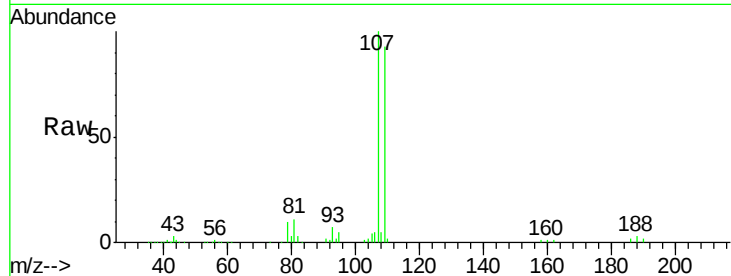
109 93.1 76.9 115.3

Manual Integrations

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MMDadoda

9/6/2019 12:31:44 PM



#62

4-Bromofluorobenzene

Concen: 47.935 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

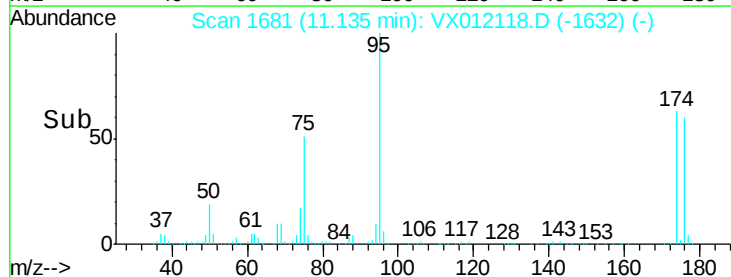
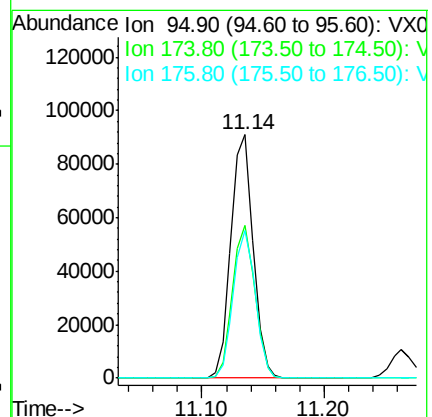
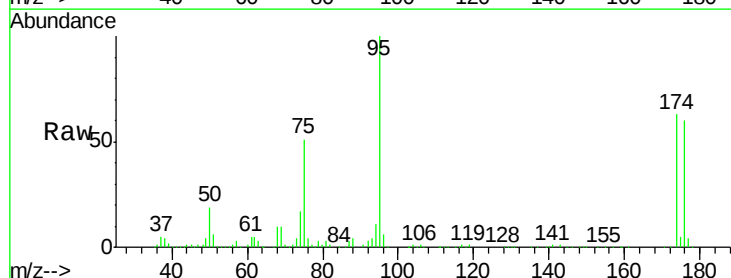
Tgt Ion: 95 Resp: 114693

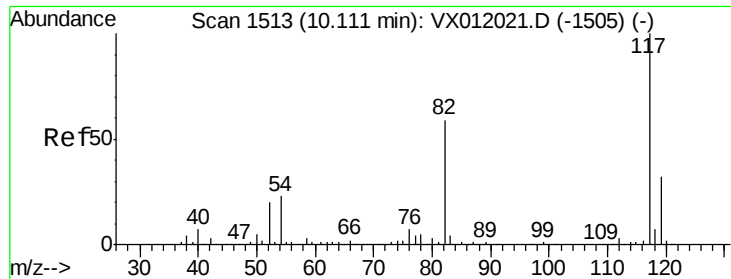
Ion Ratio Lower Upper

95 100

174 63.2 0.0 205.4

176 60.3 0.0 201.8





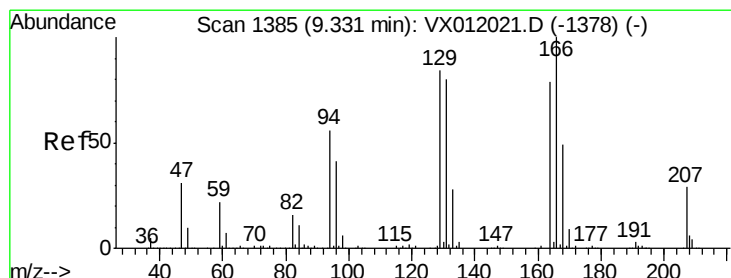
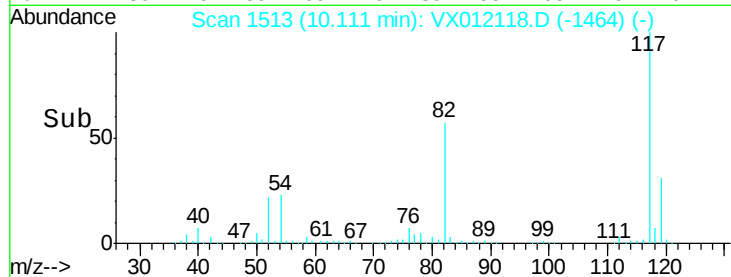
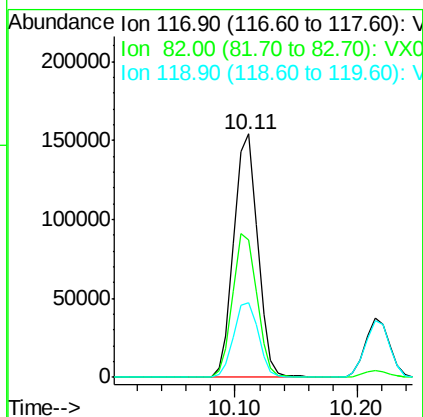
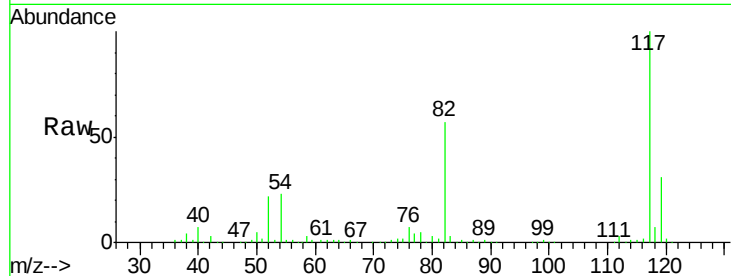
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	208217		
82	56.5	39.4	59.0	
119	30.6	26.1	39.1	

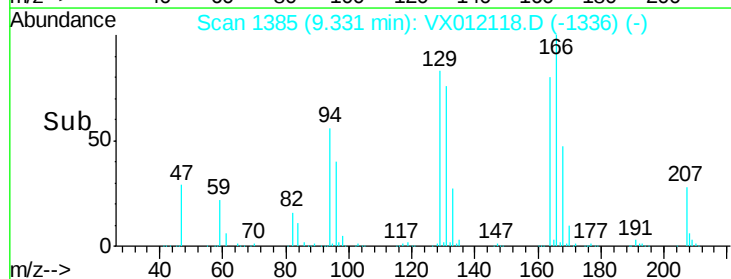
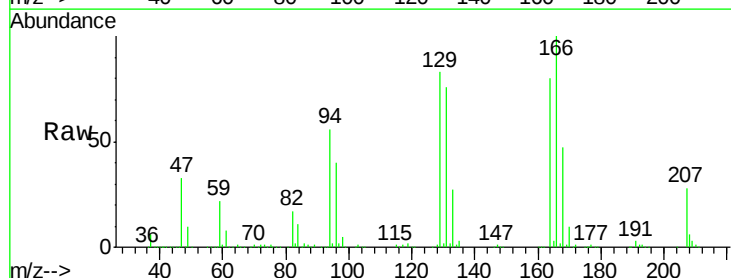
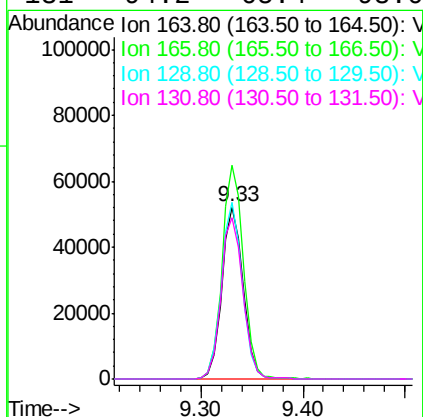
Manual Integrations
APPROVED

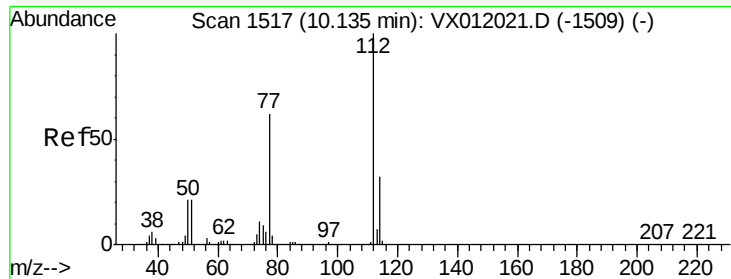
MMDadoda
9/6/2019 12:31:44 PM



#64
Tetrachloroethene
Concen: 58.047 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75351		
166	124.3	104.3	156.5	
129	102.9	68.3	102.5	
131	94.2	65.4	98.0	





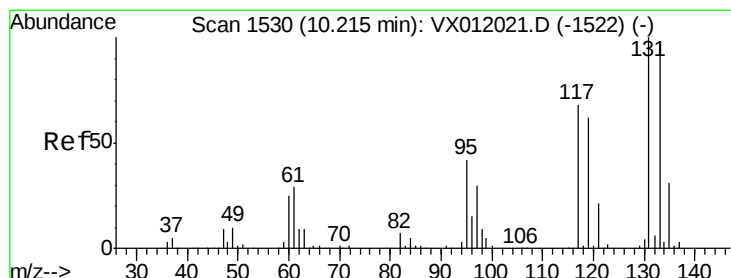
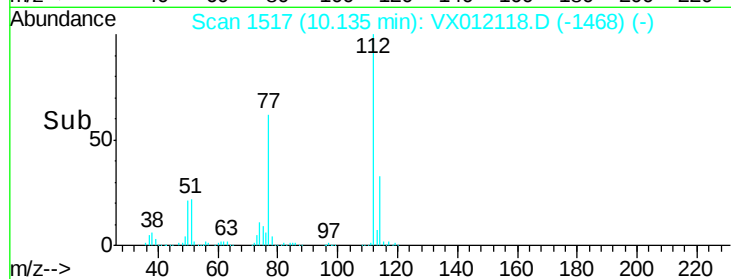
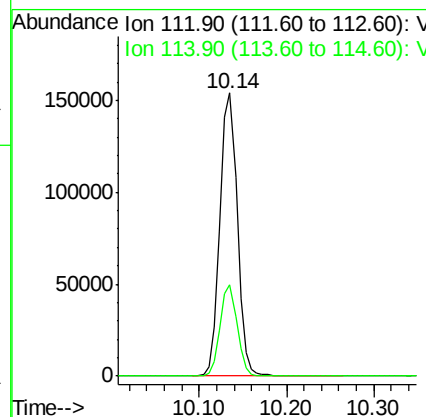
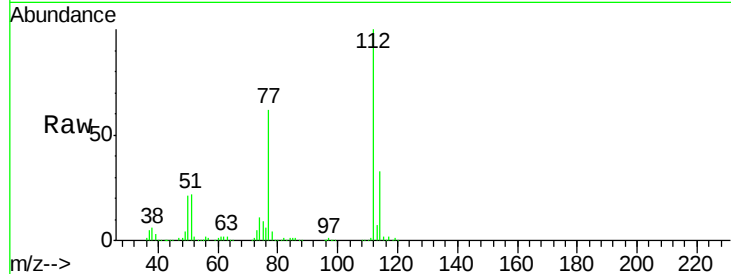
#65
Chlorobenzene
Concen: 51.597 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.2	39.2

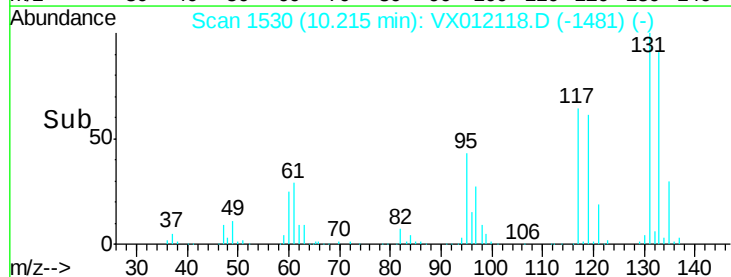
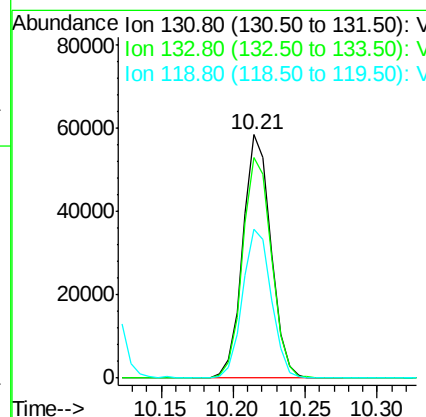
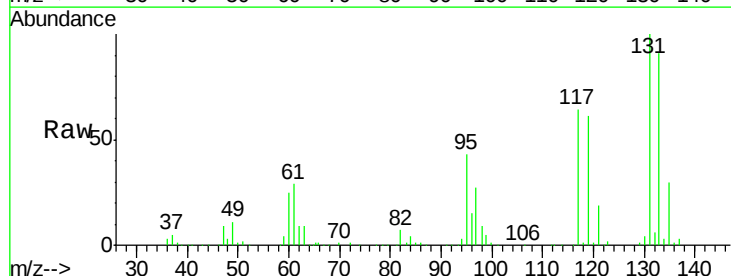
Manual Integrations
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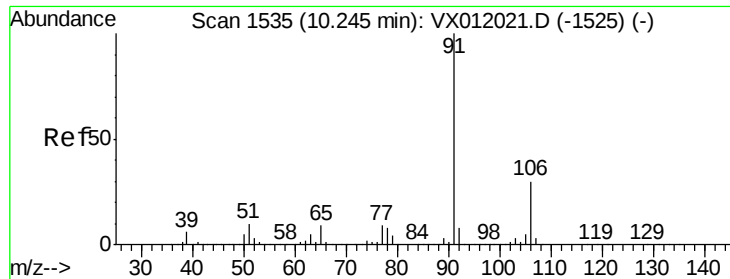
MMDadoda
9/6/2019 12:31:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.729 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	48.4	145.0
119	62.6	30.5	91.5





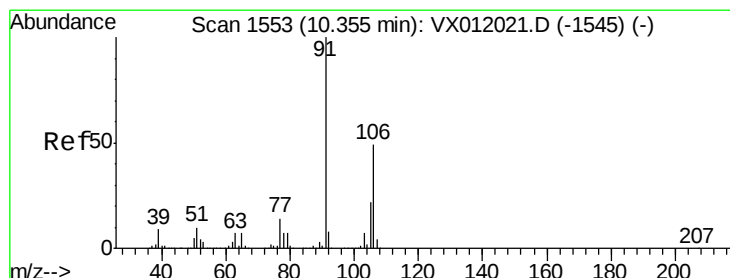
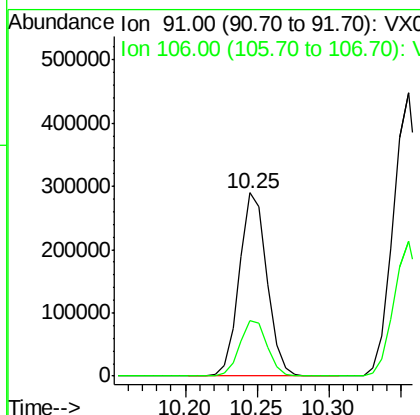
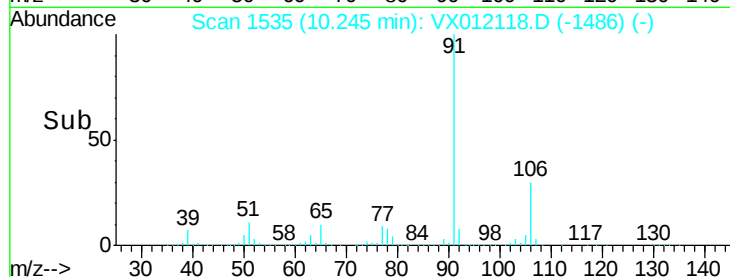
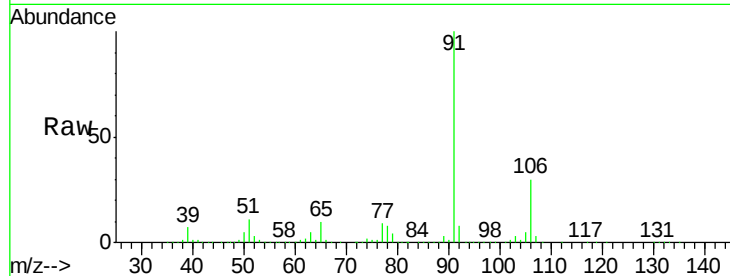
#67
Ethyl Benzene
Concen: 51.508 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 385717
Ion Ratio Lower Upper
91 100
106 30.1 25.8 38.8

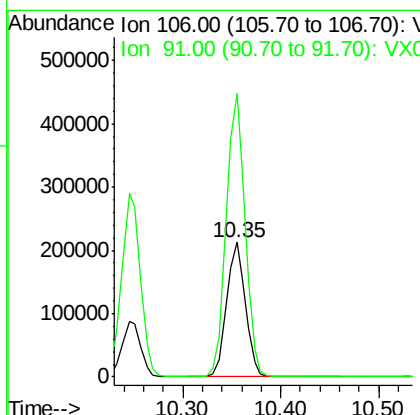
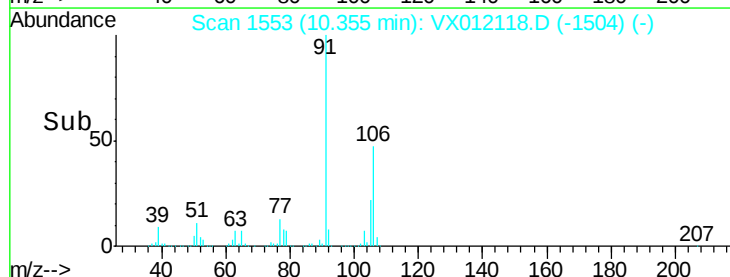
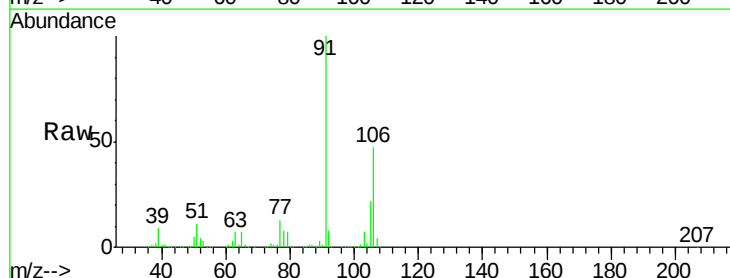
Manual Integrations
APPROVED

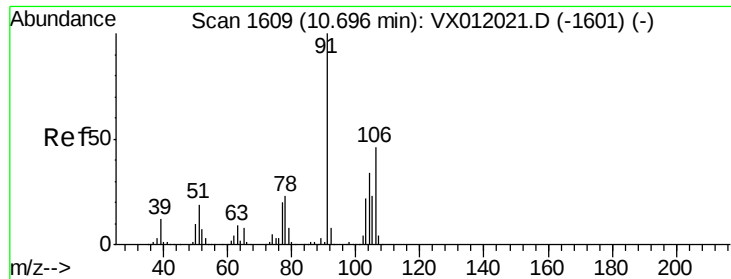
MMDadoda
9/6/2019 12:31:44 PM



#68
m/p-Xylenes
Concen: 102.346 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion: 106 Resp: 282381
Ion Ratio Lower Upper
106 100
91 212.3 157.5 236.3





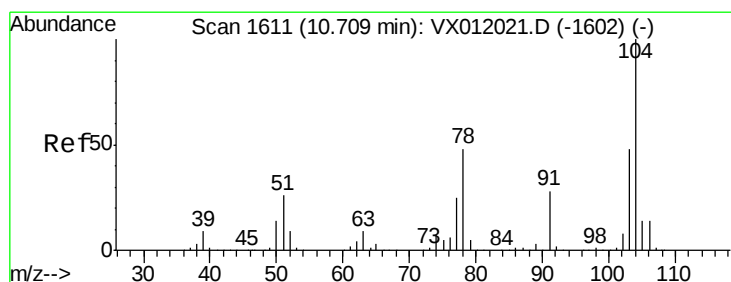
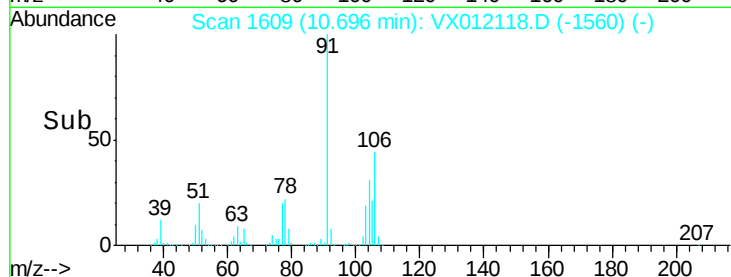
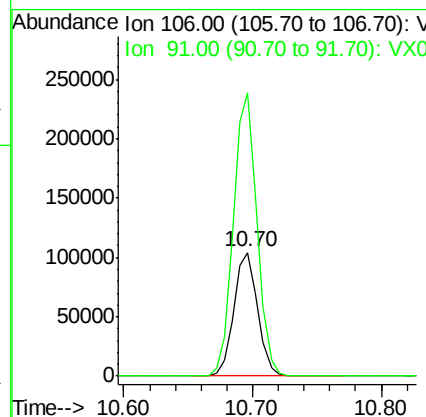
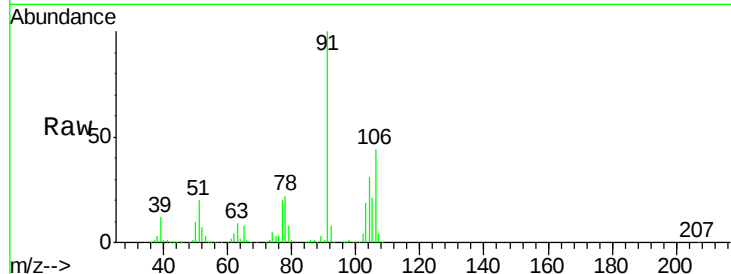
#69
o-Xylene
Concen: 50.397 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	227.7	103.5	310.3		

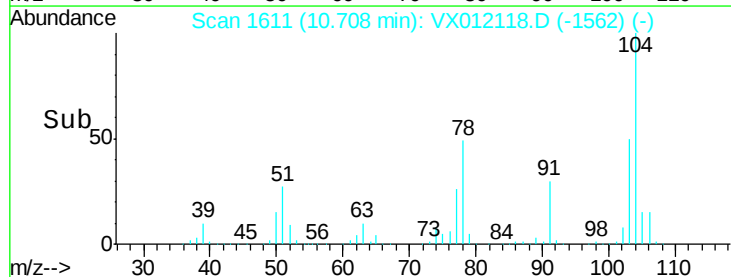
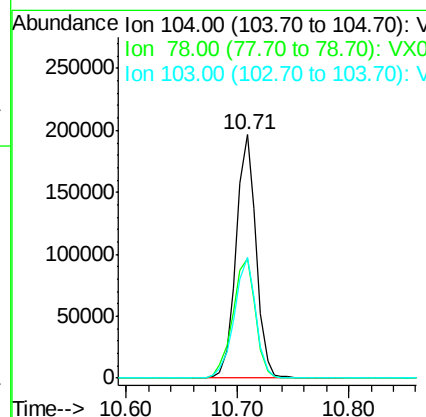
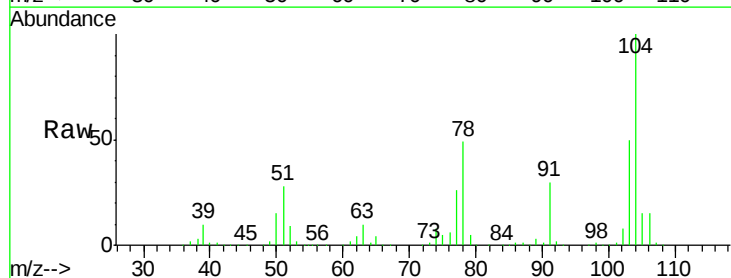
Manual Integrations
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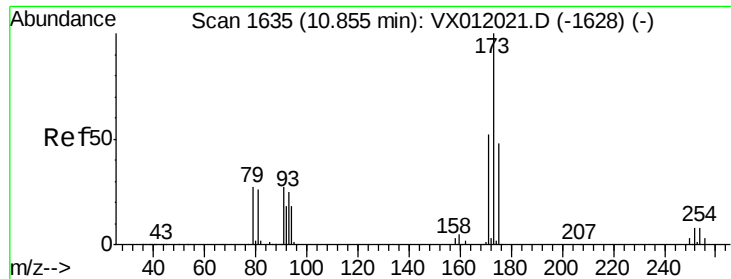
MMDadoda
9/6/2019 12:31:44 PM



#70
Styrene
Concen: 52.303 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	56.0	39.1	58.7		
103	53.4	43.4	65.2		





#71

Bromoform

Concen: 51.440 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

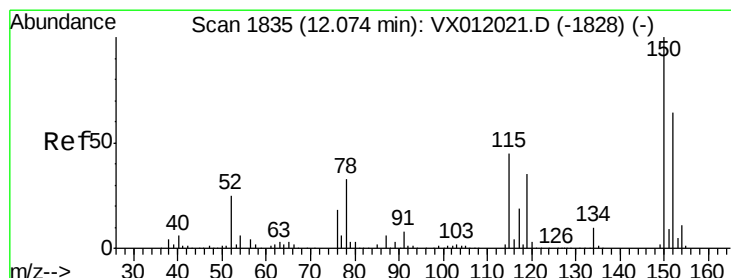
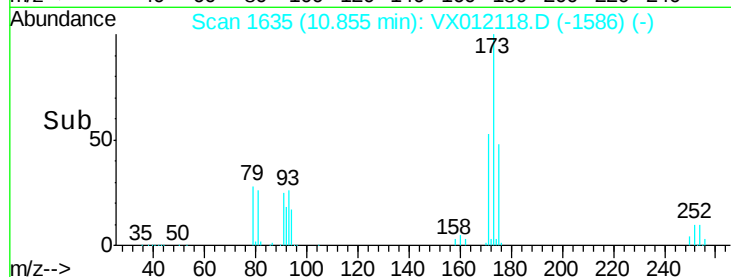
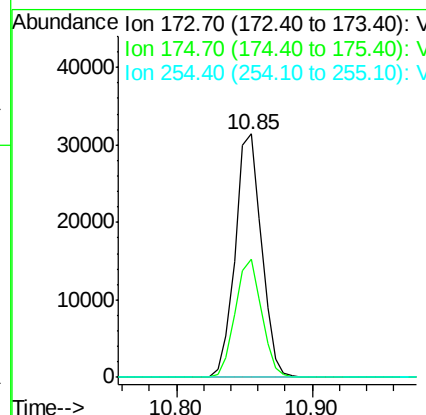
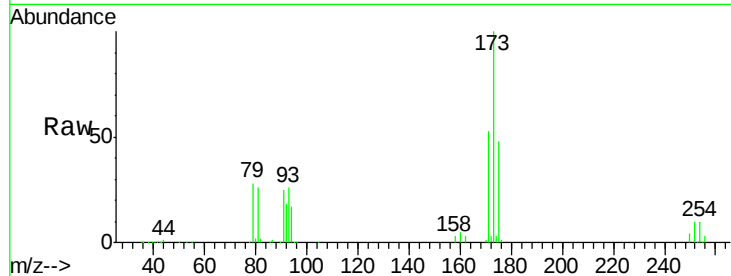
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.7
254	0.2	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

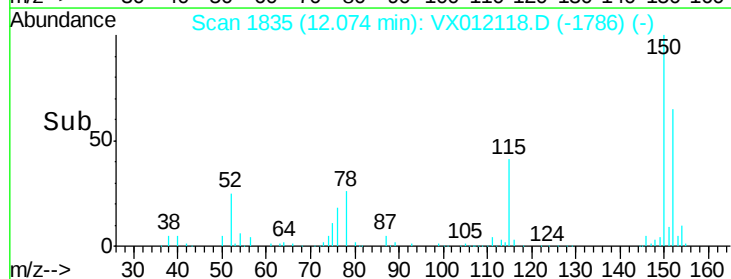
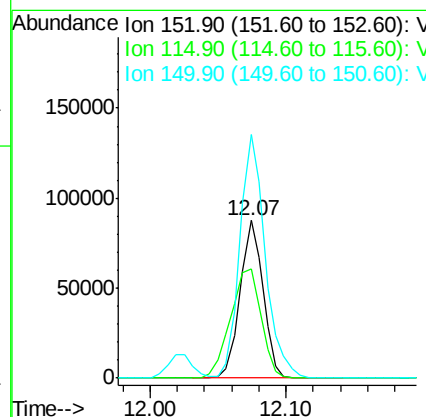
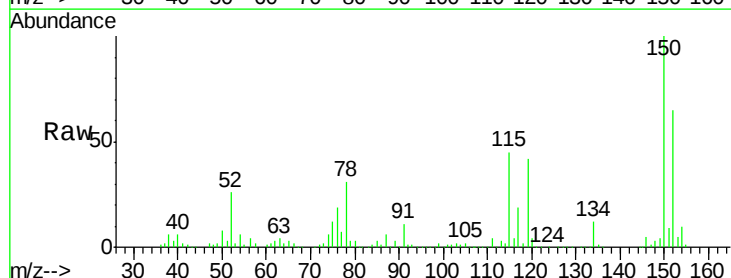
RT: 12.07 min Scan# 1835

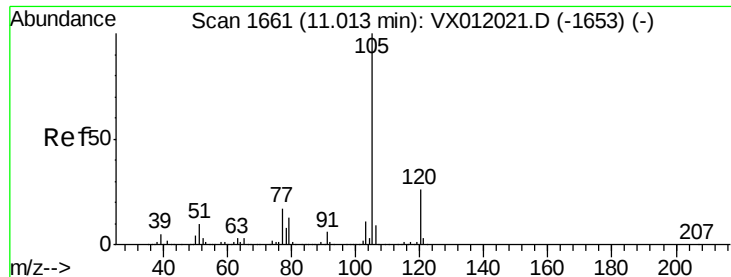
Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	91.7	36.4	109.3
150	171.4	0.0	341.2





#73

Isopropylbenzene

Concen: 49.452 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 373403

Ion Ratio Lower Upper

105 100

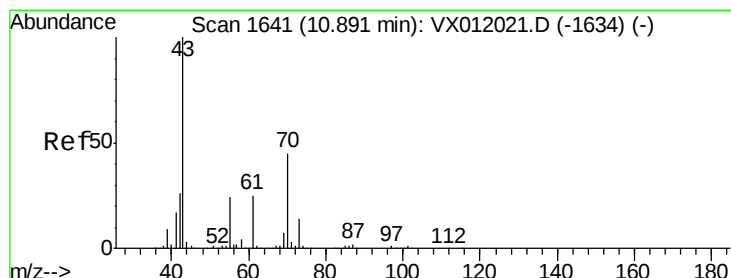
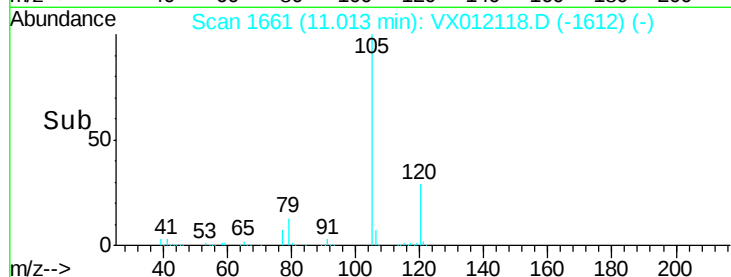
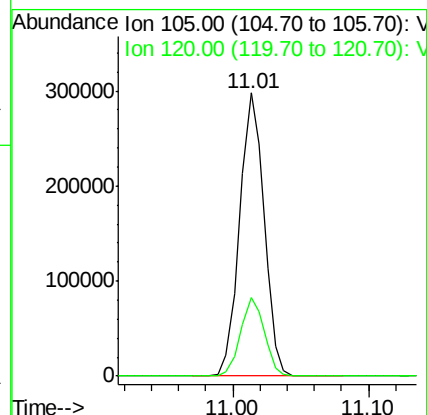
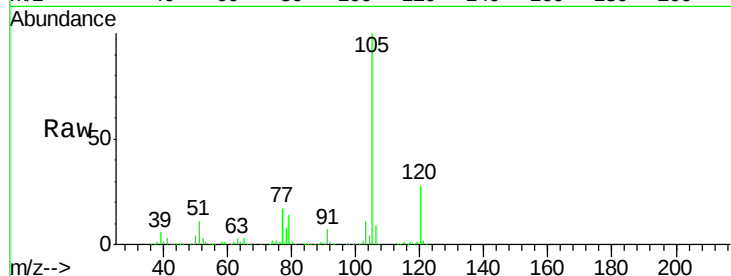
120 26.9 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.726 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Tgt Ion: 43 Resp: 113248

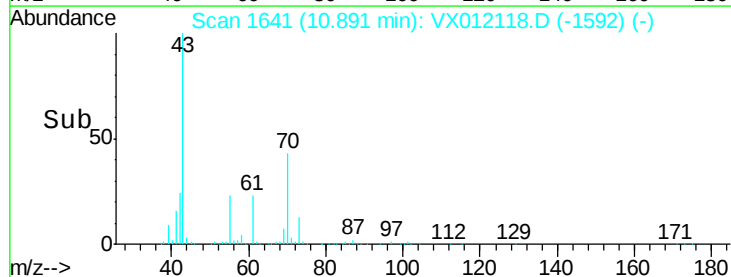
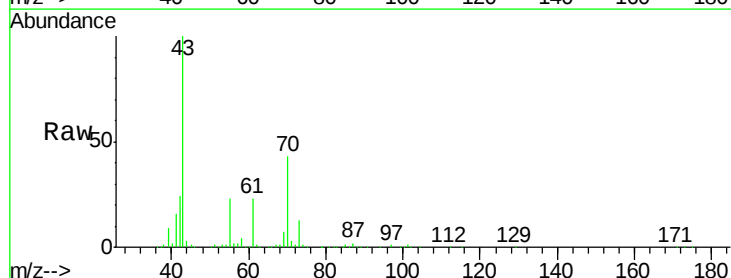
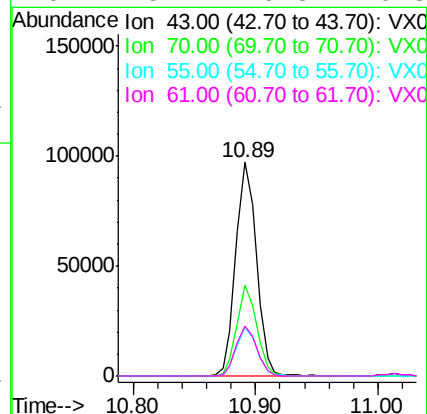
Ion Ratio Lower Upper

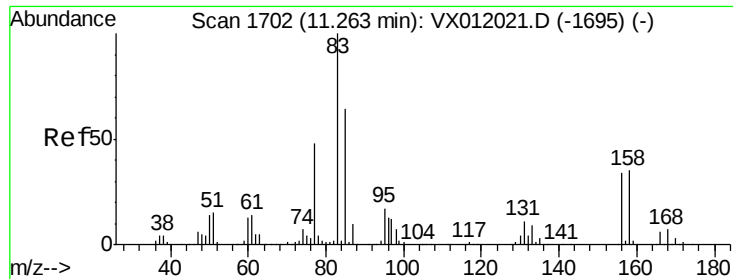
43 100

70 41.5 34.4 51.6

55 23.4 18.5 27.7

61 23.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.431 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

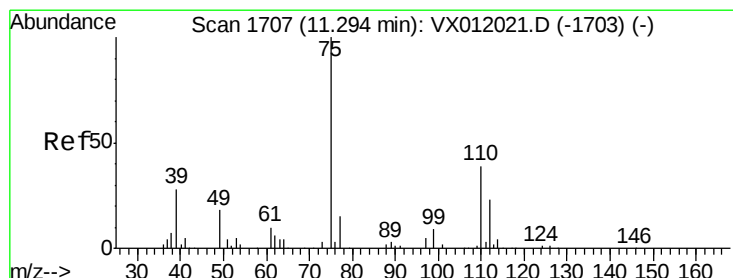
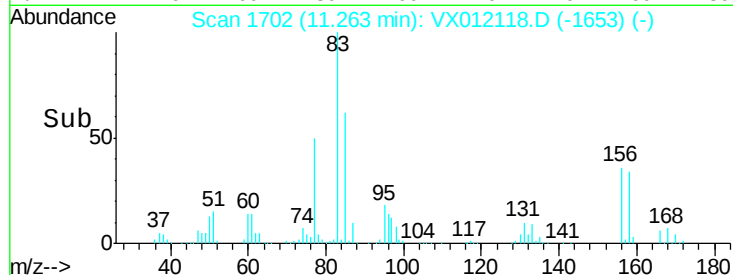
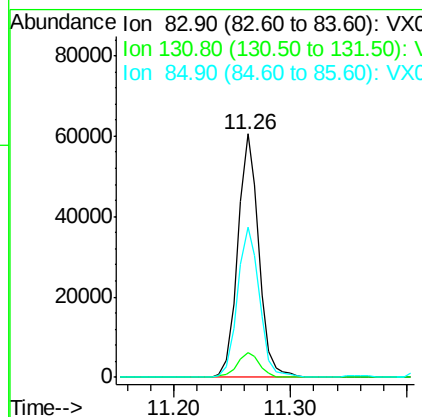
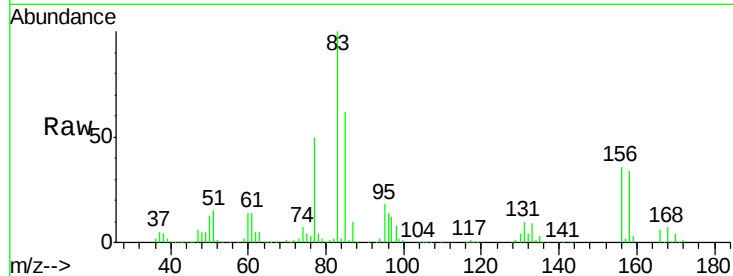
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	76238
Ion Ratio	Lower	Upper	
83	100		
131	10.8	6.3	19.1
85	64.4	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.590 ug/l m

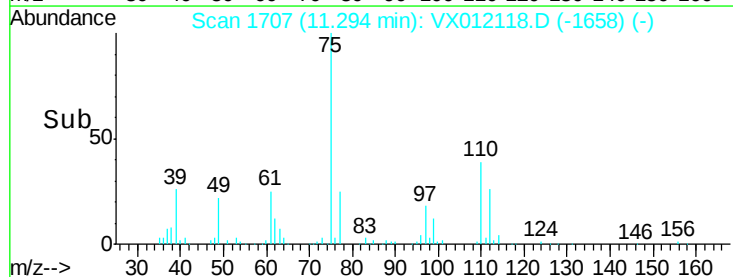
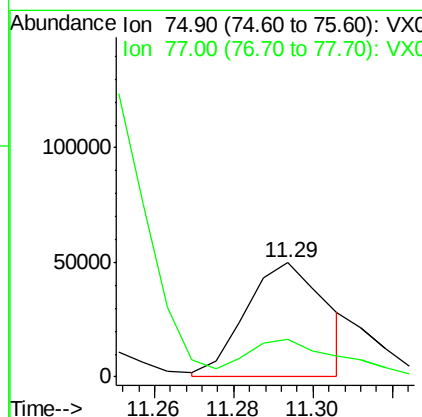
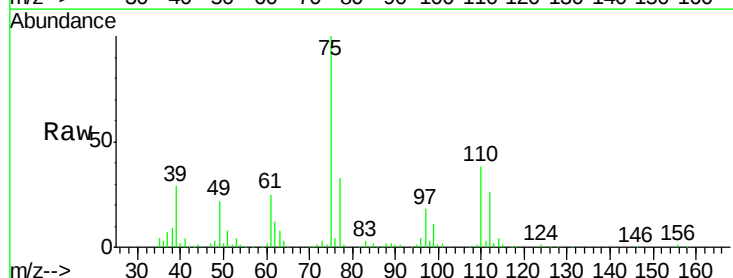
RT: 11.29 min Scan# 1707

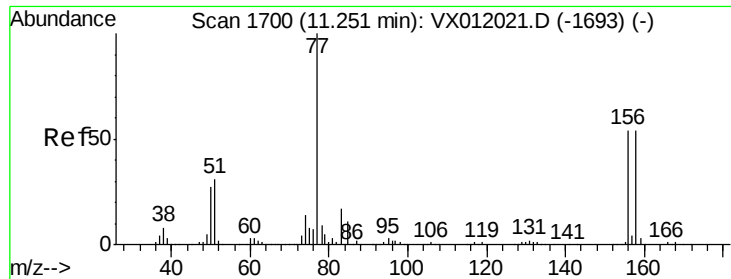
Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Tgt Ion:	75	Resp:	69901
Ion Ratio	Lower	Upper	
75	100		
77	38.5	23.5	70.5





#77

Bromobenzene

Concen: 50.092 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 84592

Ion Ratio Lower Upper

156 100

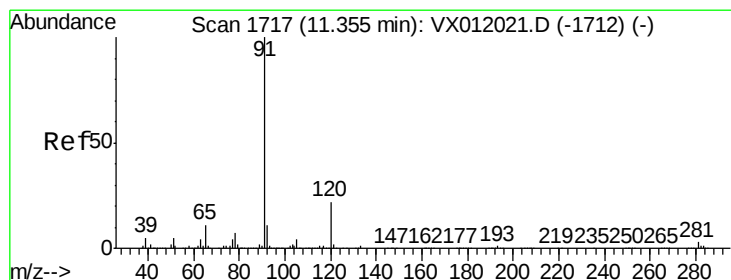
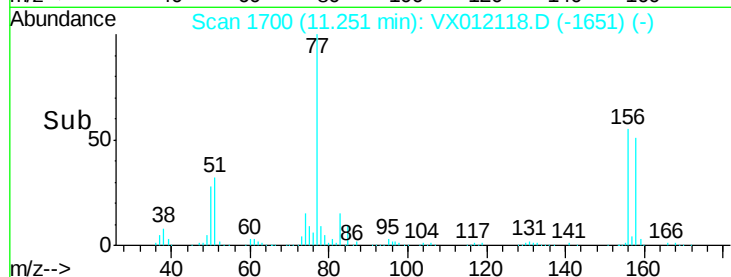
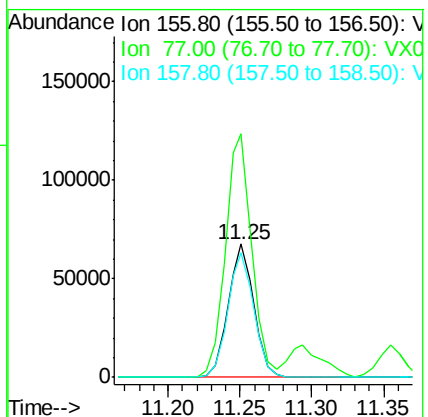
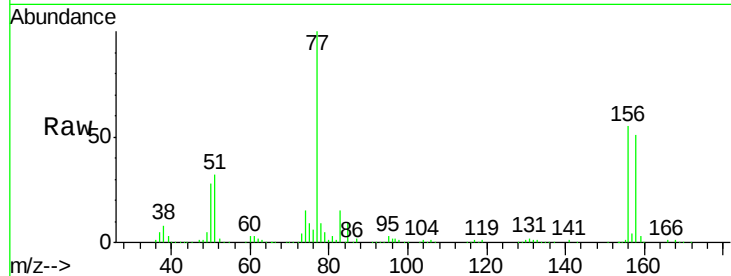
77 187.6 63.4 190.2

158 94.8 48.9 146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 49.531 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012118.D

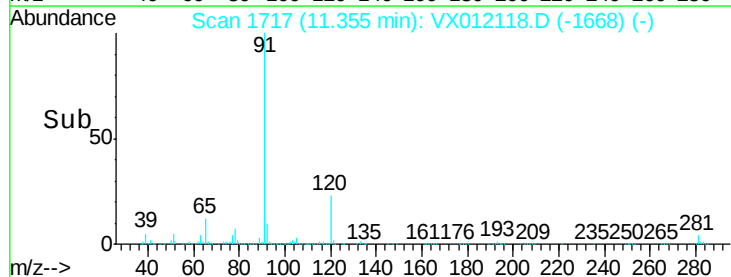
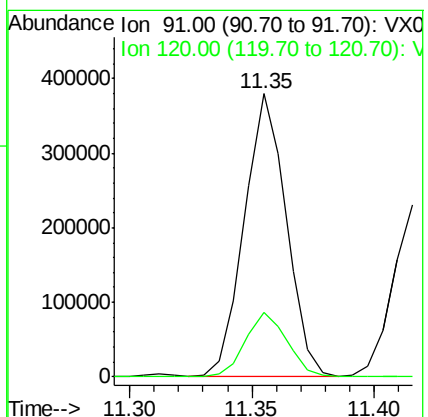
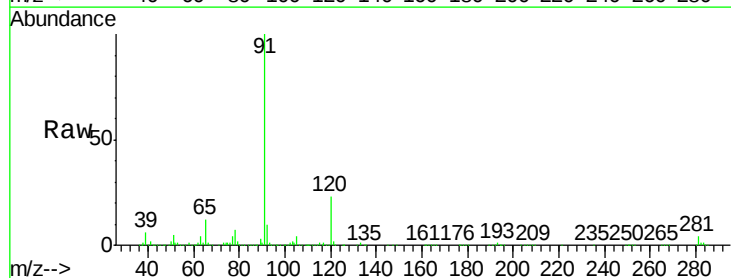
Acq: 05 Sep 2019 23:39

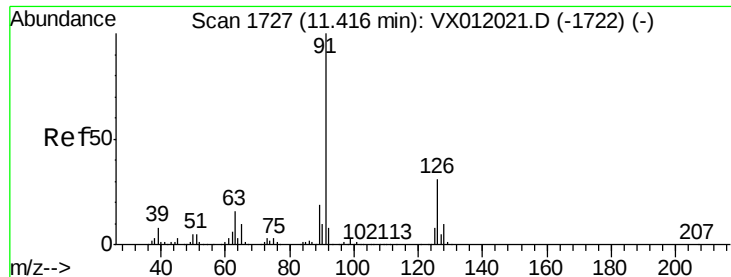
Tgt Ion: 91 Resp: 451837

Ion Ratio Lower Upper

91 100

120 22.6 12.7 38.0





#79

2-Chlorotoluene

Concen: 50.332 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 278160

Ion Ratio Lower Upper

91 100

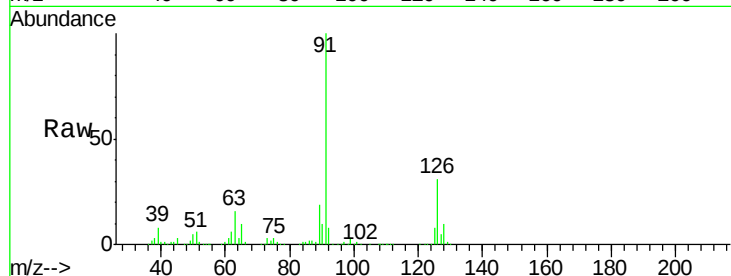
126 31.3 18.6 55.8

Manual Integrations

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

Ion 125.90 (125.60 to 126.60): VX012021.D (-1722) (-)

400000

300000

200000

100000

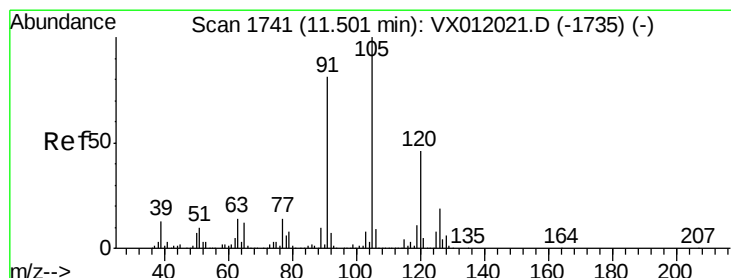
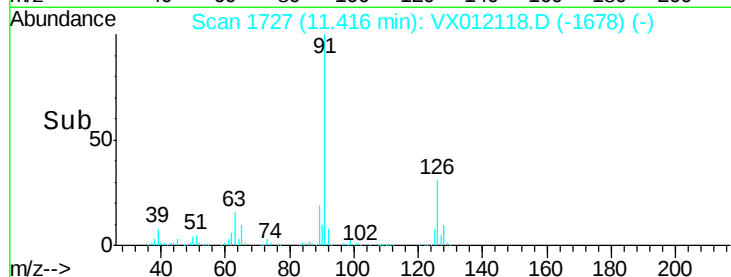
0

11.35

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.129 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012118.D

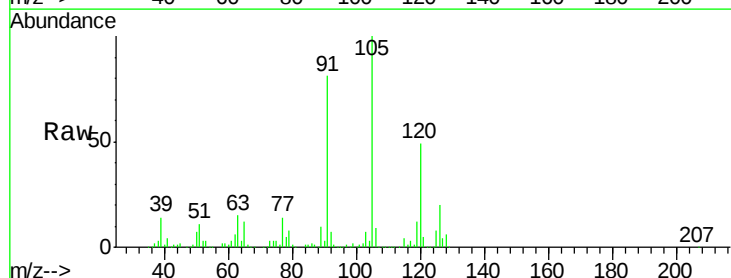
Acq: 05 Sep 2019 23:39

Tgt Ion: 105 Resp: 331709

Ion Ratio Lower Upper

105 100

120 47.3 25.8 77.3



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

Ion 120.00 (119.70 to 120.70): VX012021.D (-1735) (-)

300000

250000

200000

150000

100000

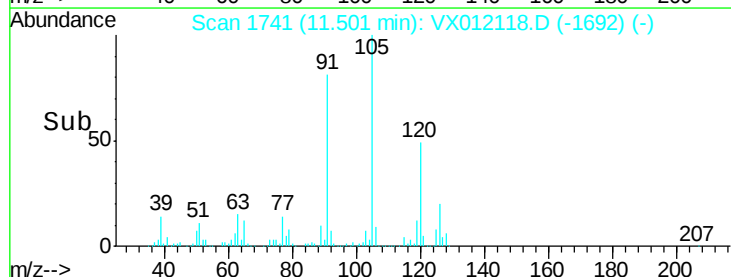
50000

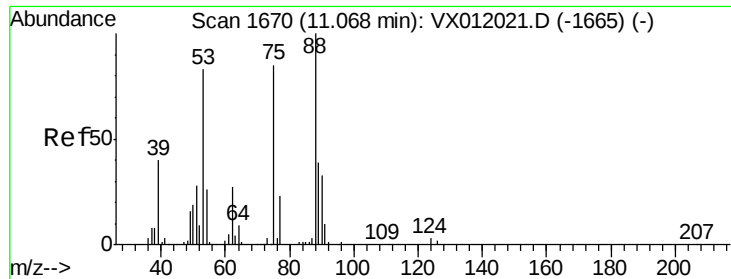
0

11.50

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 43.142 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

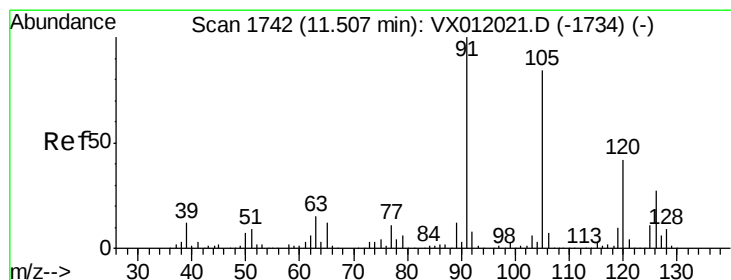
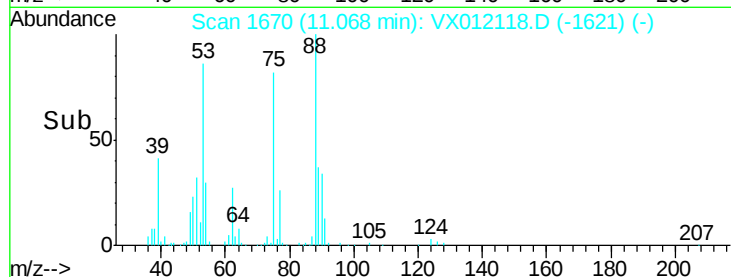
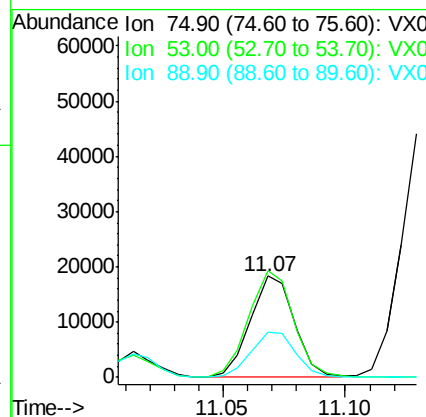
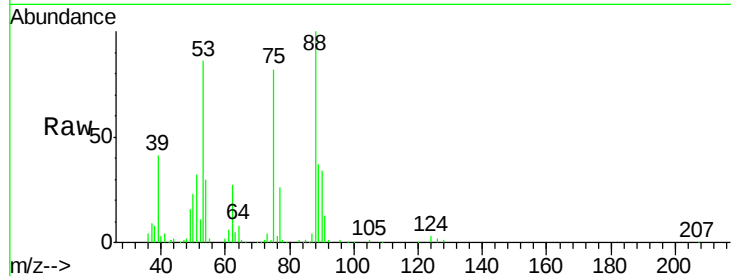
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	22946
Ion Ratio	Lower	Upper	
75	100		
53	106.6	78.6	117.8
89	46.0	38.8	58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.525 ug/l

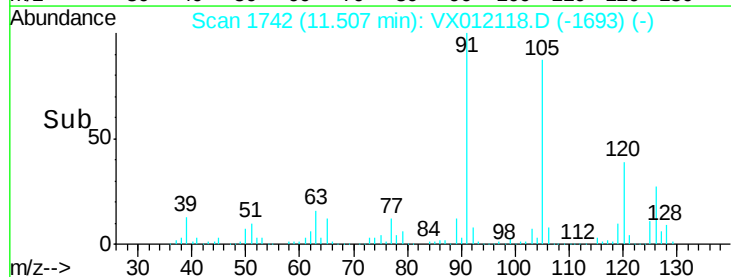
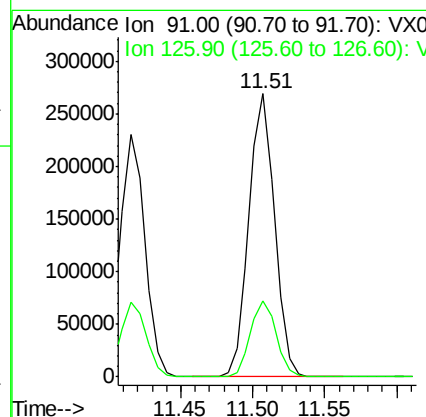
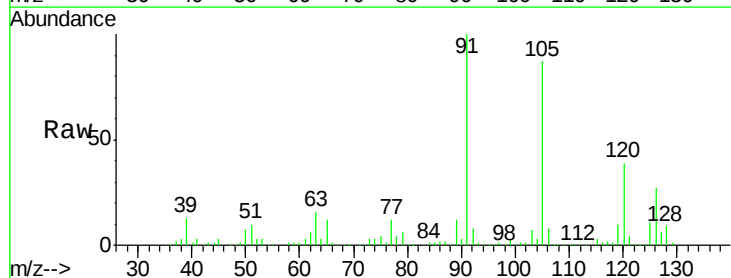
RT: 11.51 min Scan# 1742

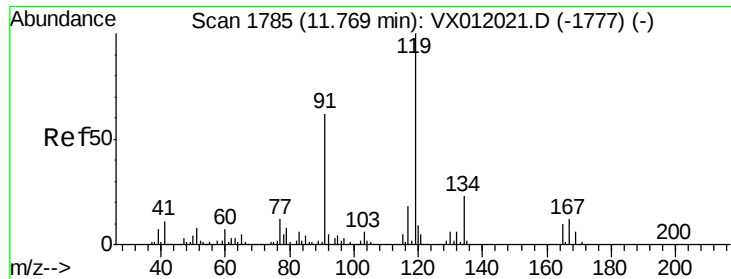
Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Tgt Ion:	91	Resp:	332811
Ion Ratio	Lower	Upper	
91	100		
126	27.1	16.2	48.6





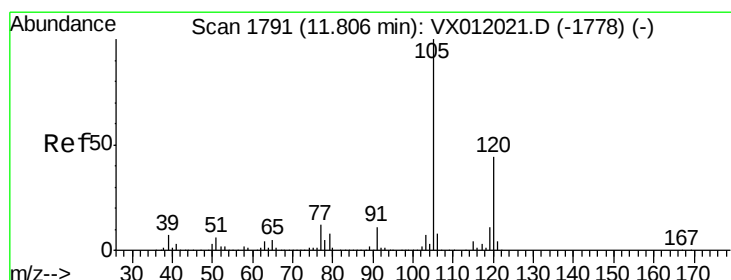
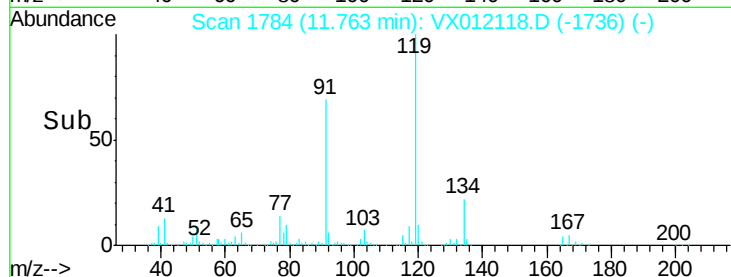
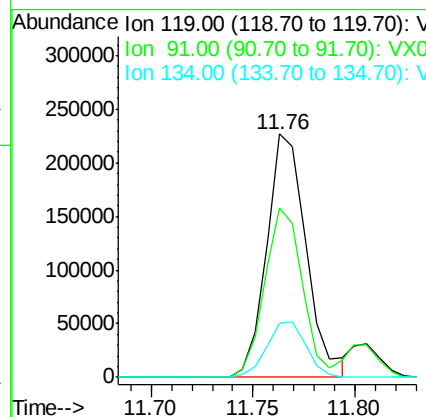
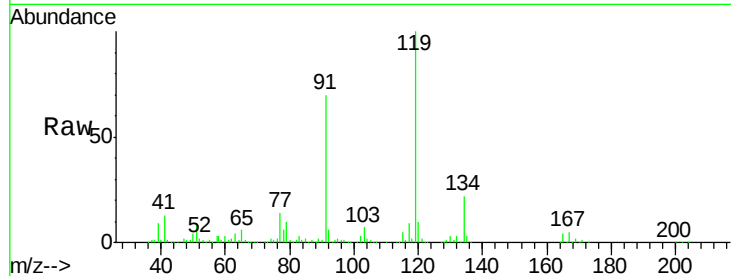
#83
tert-Butylbenzene
Concen: 48.697 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	307128		
91	66.3	27.1	81.2	
134	22.8	12.1	36.3	

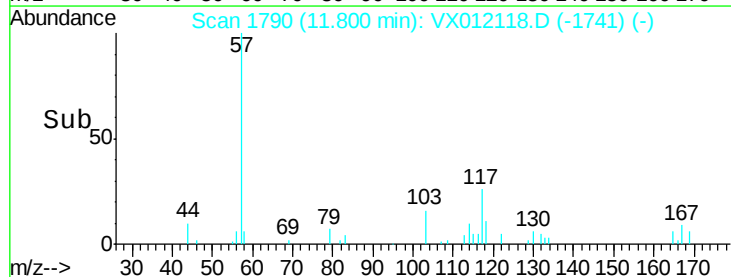
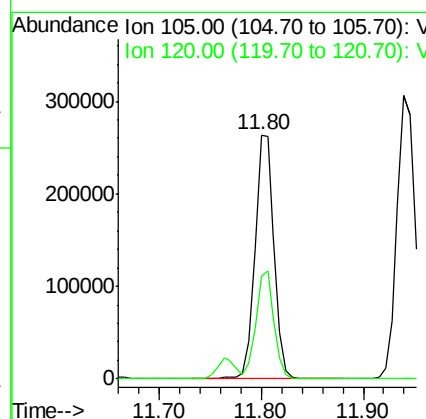
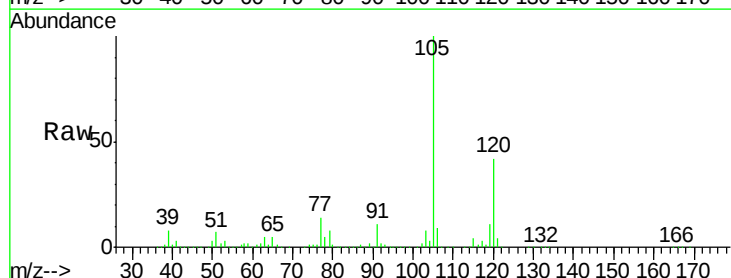
Manual Integrations
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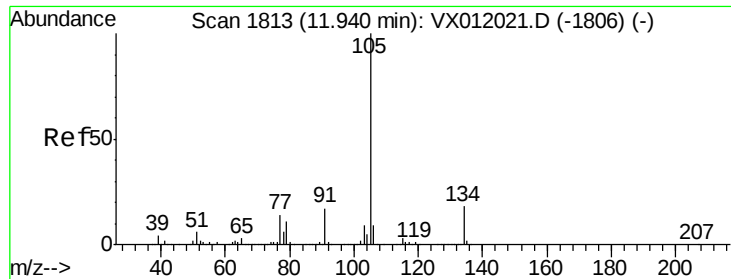
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.375 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	342594		
120	42.2	23.6	70.8	





#85

sec-Butylbenzene

Concen: 48.793 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 382228

Ion Ratio Lower Upper

105 100

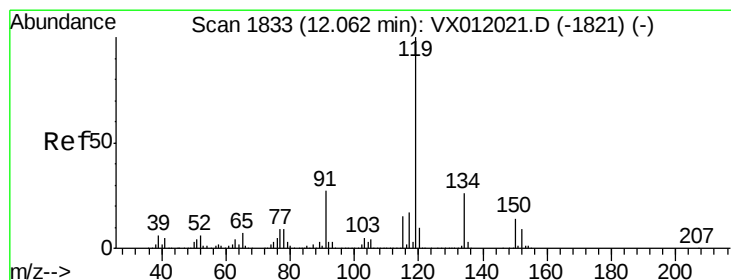
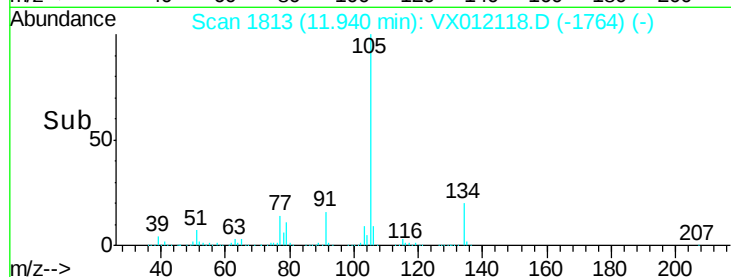
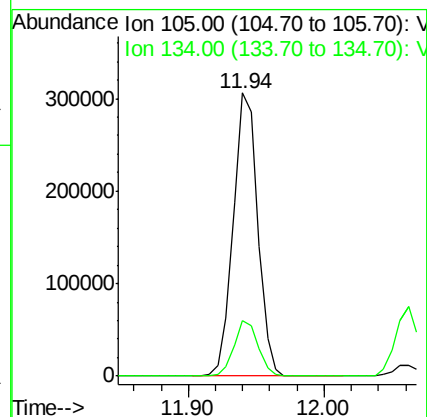
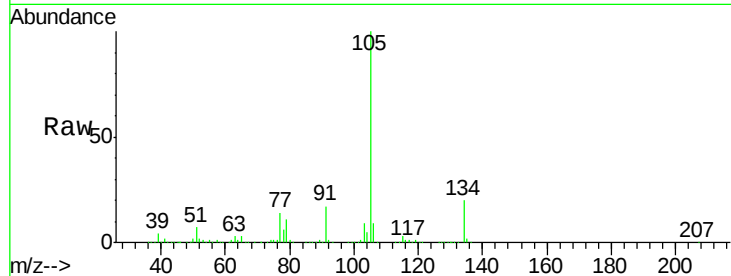
134 19.4 11.2 33.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.242 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012118.D

Acq: 05 Sep 2019 23:39

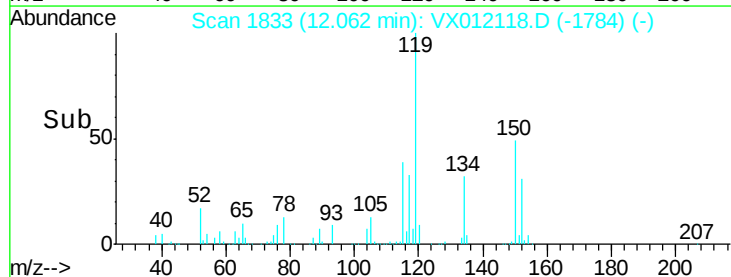
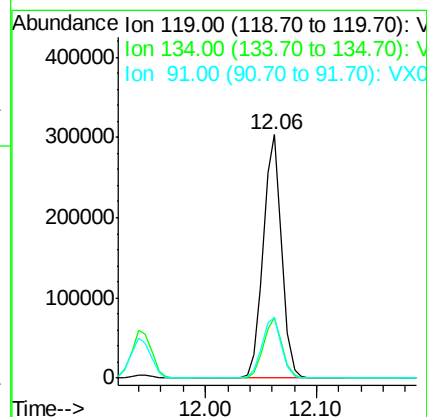
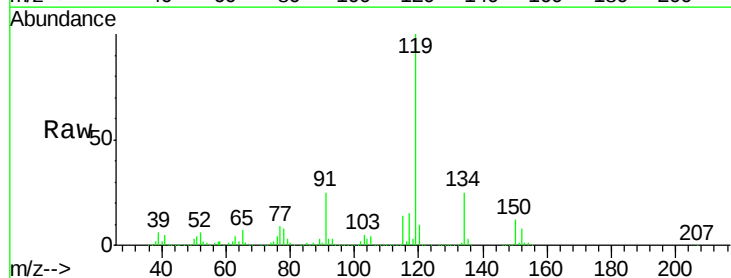
Tgt Ion:119 Resp: 350805

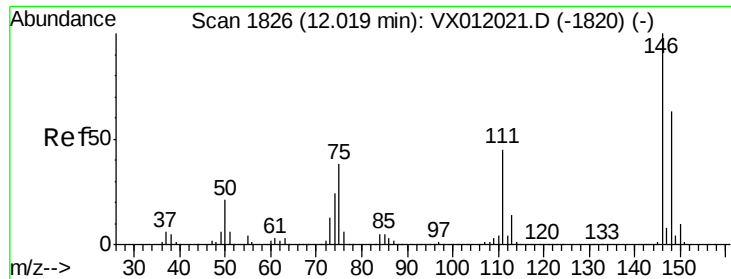
Ion Ratio Lower Upper

119 100

134 25.0 13.7 41.1

91 26.4 11.4 34.1





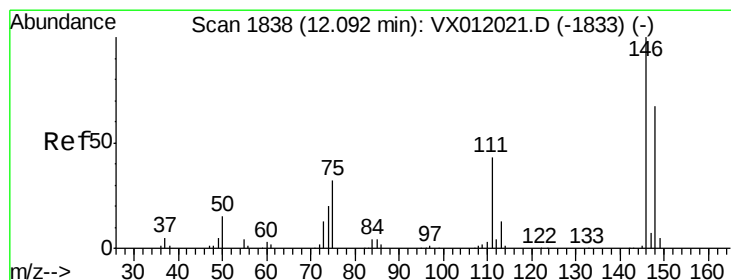
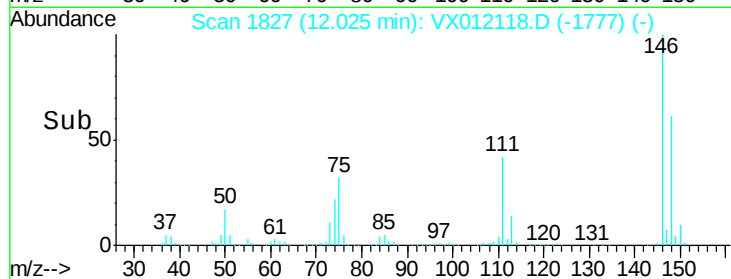
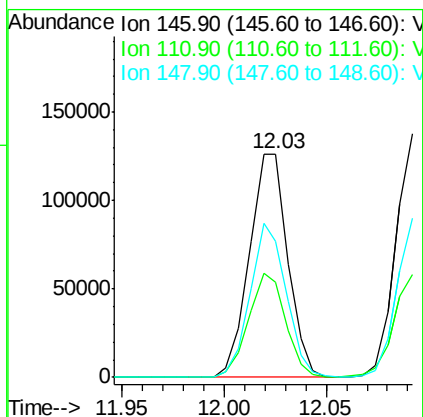
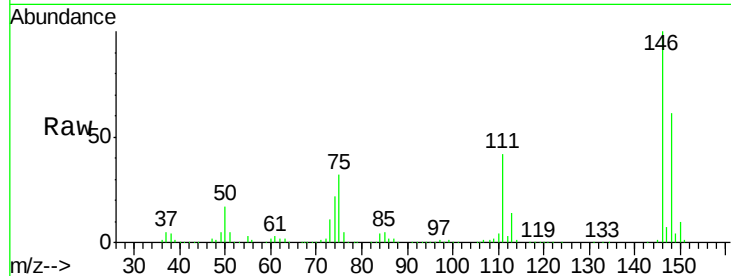
#87
 1,3-Dichlorobenzene
 Concen: 49.039 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	18.1	54.1
148	64.5	32.6	97.8

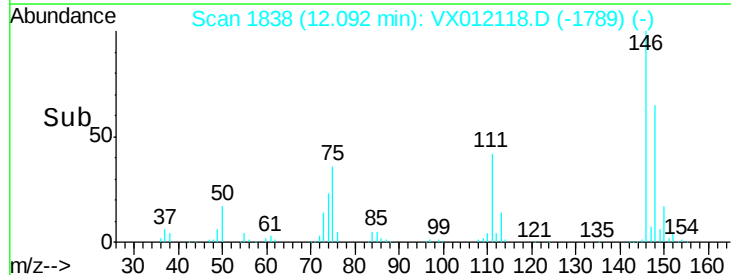
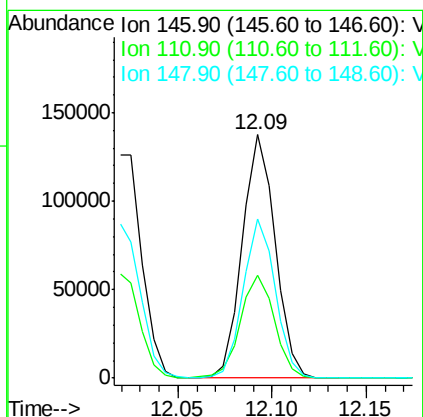
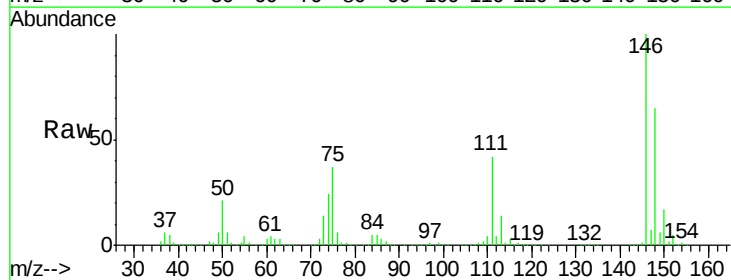
Manual Integrations
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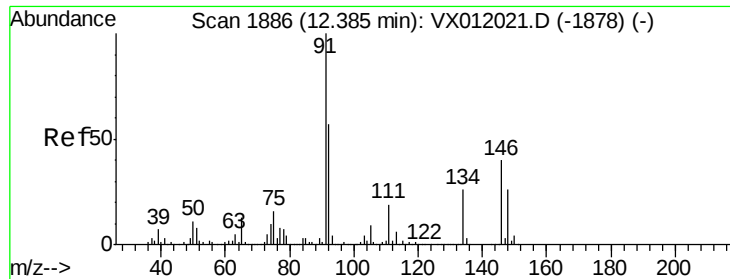
MMDadoda
 9/6/2019 12:31:44 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.146 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	17.7	53.1
148	64.4	32.4	97.0





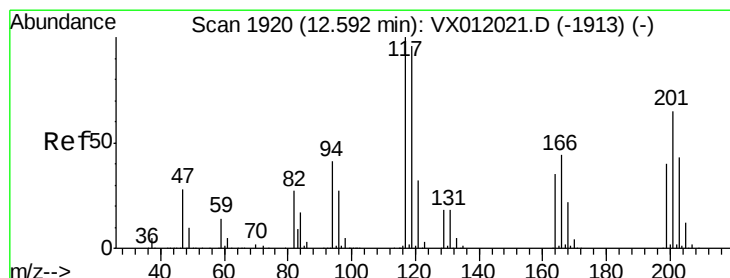
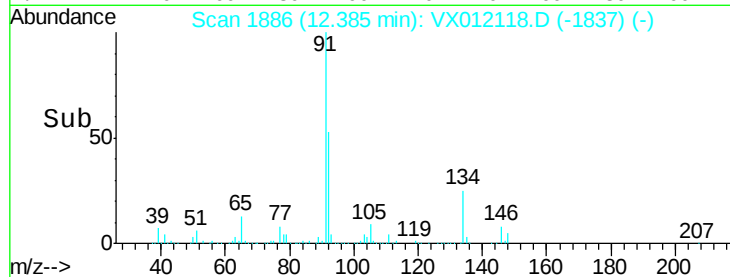
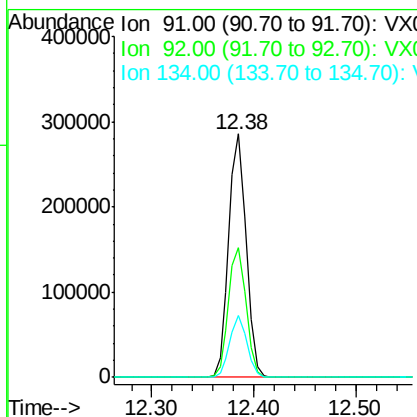
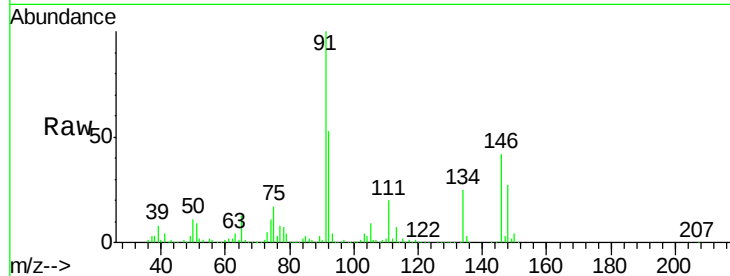
#89
n-Butylbenzene
Concen: 48.835 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	337967		
92	53.8		27.6	82.8
134	24.8		15.4	46.1

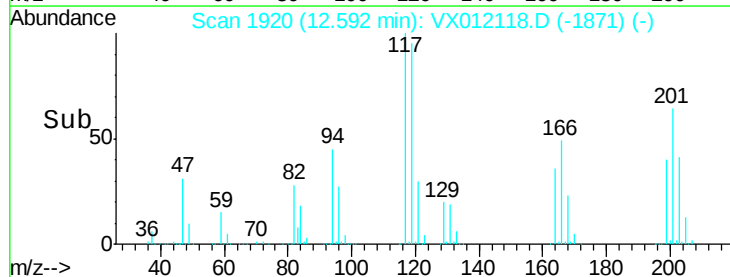
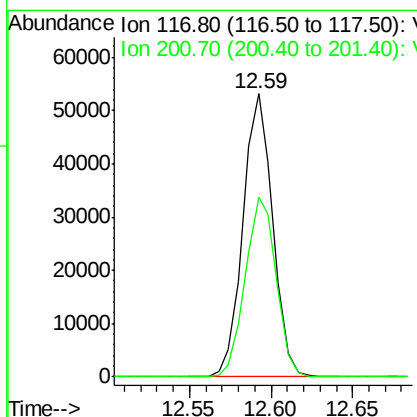
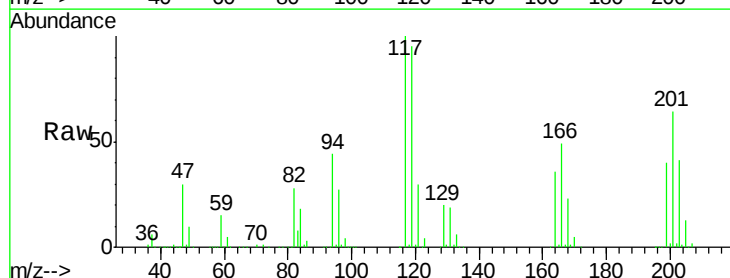
Manual Integrations
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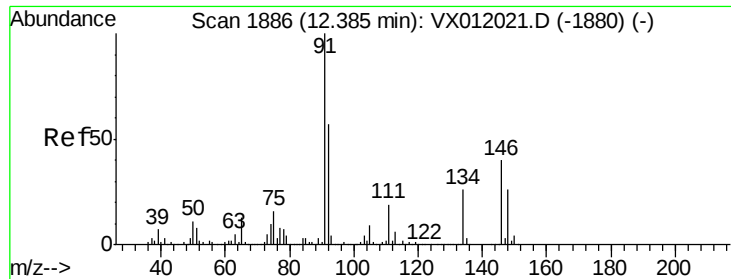
MMDadoda
9/6/2019 12:31:44 PM



#90
Hexachloroethane
Concen: 47.302 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	67286		
201	66.1		55.0	165.2





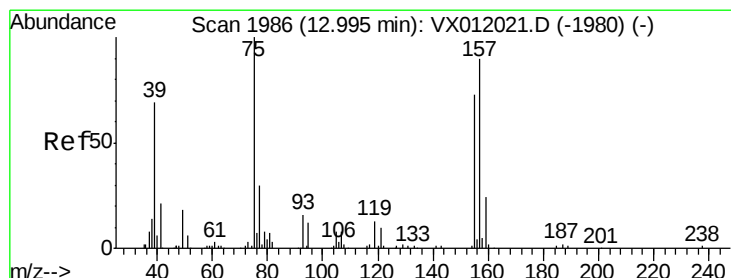
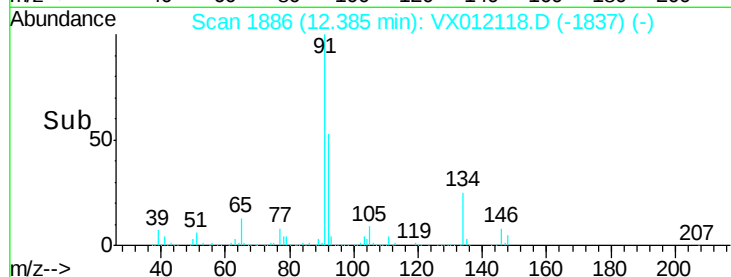
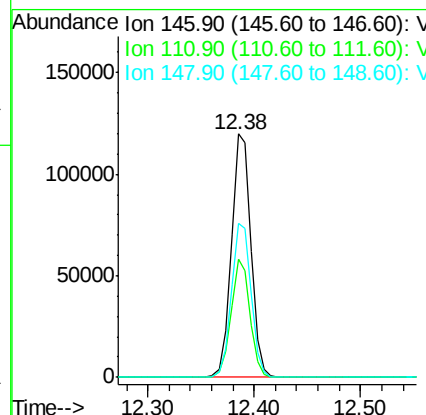
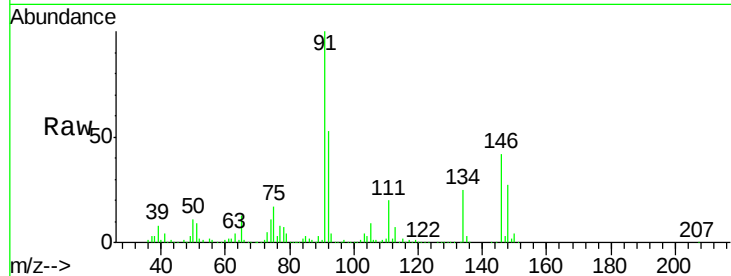
#91
 1,2-Dichlorobenzene
 Concen: 50.325 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	18.6	56.0
148	63.9	32.4	97.2

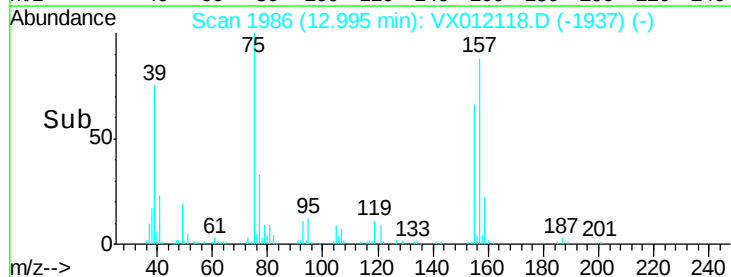
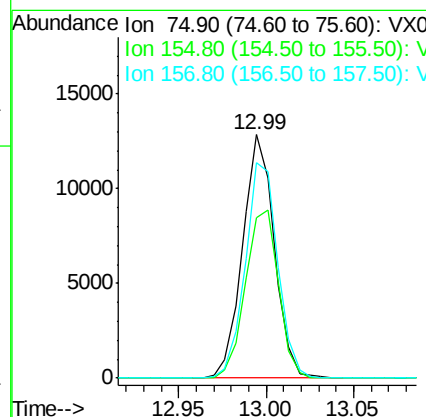
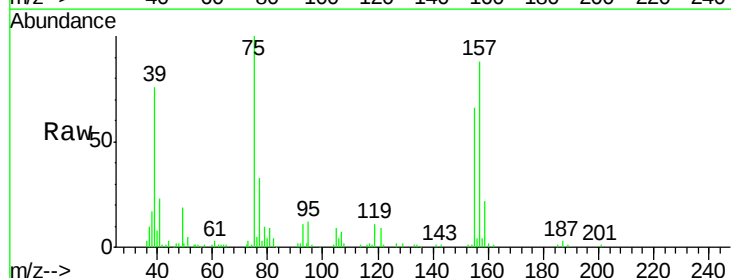
Manual Integrations
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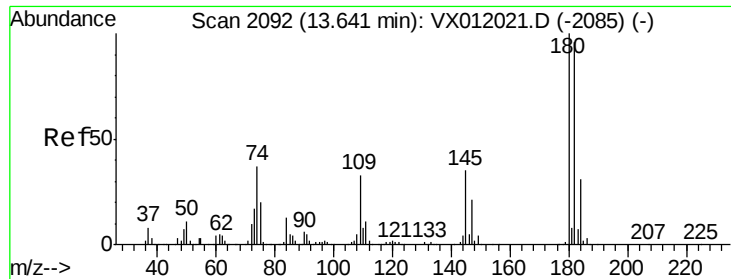
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.073 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012118.D
 Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	51.7	155.2
157	90.7	66.9	200.7





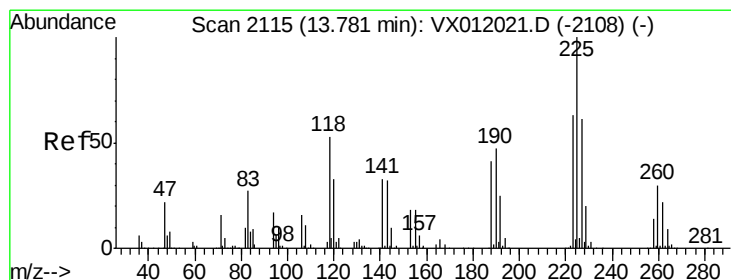
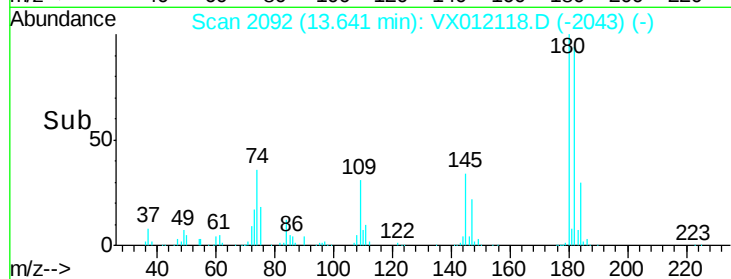
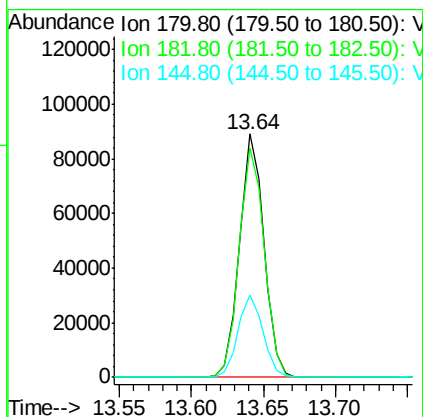
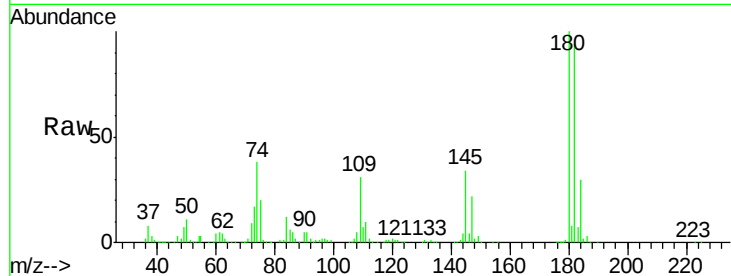
#93
1,2,4-Trichlorobenzene
Concen: 48.400 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104989		
182	96.9	47.3	142.0	
145	34.6	13.7	41.0	

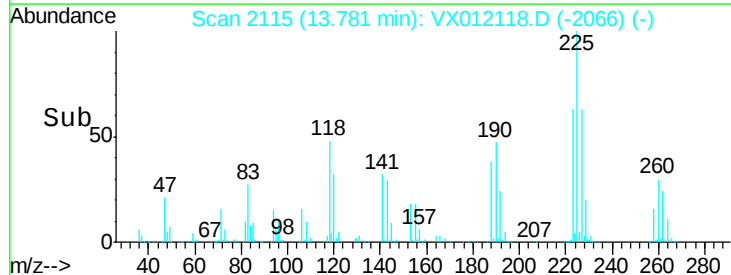
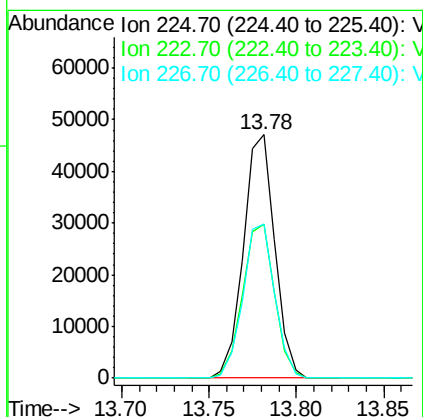
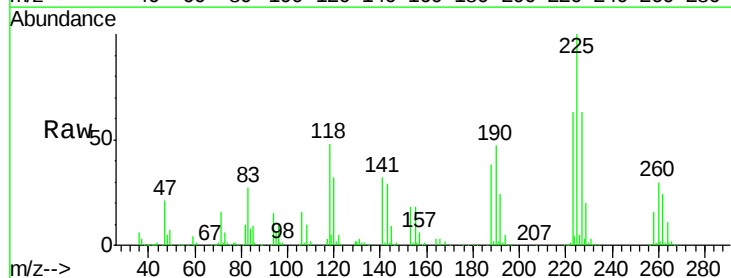
Manual Integrations
APPROVED

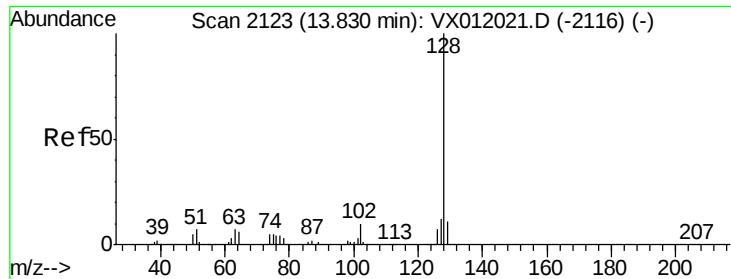
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#94
Hexachlorobutadiene
Concen: 53.468 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58465		
223	64.7	31.6	95.0	
227	64.1	32.5	97.5	





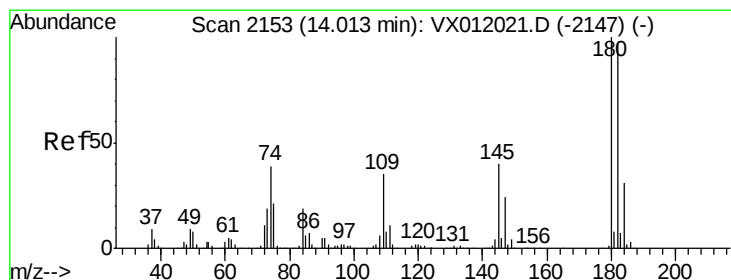
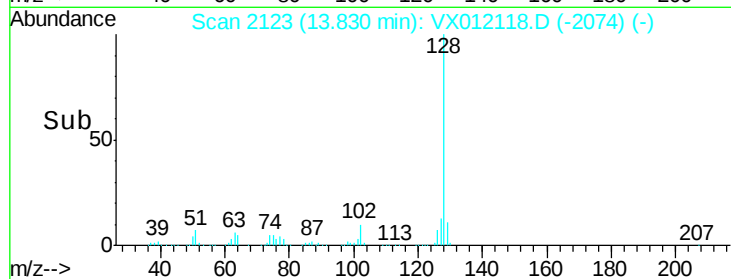
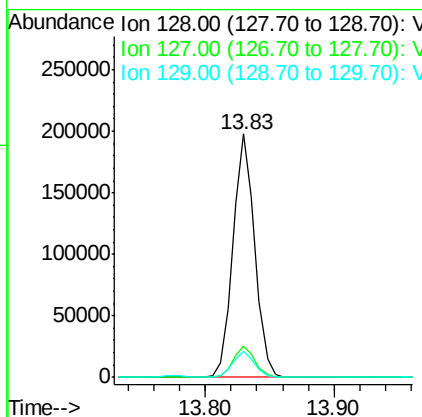
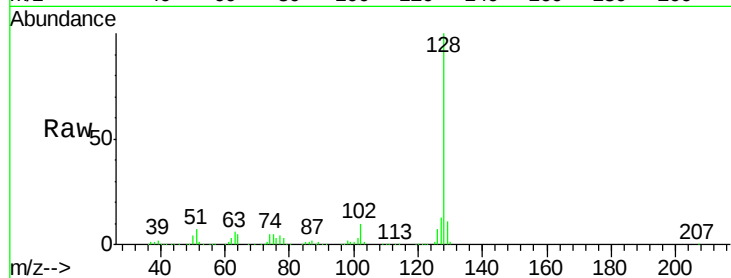
#95
Naphthalene
Concen: 49.718 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.6	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 50.510 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012118.D
Acq: 05 Sep 2019 23:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.6
145	36.4	14.1	42.4

