

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100219\
 Data File : VX012750.D
 Acq On : 02 Oct 2019 10:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 10:50:49 AM

Quant Time: Oct 03 01:50:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	192237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	321558	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	283242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	137304	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	120424	43.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.04%	
35) Dibromofluoromethane	5.48	113	92142	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.71	98	347165	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
62) 4-Bromofluorobenzene	11.13	95	136453	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	94306	43.607	ug/l	99
3) Chloromethane	1.32	50	107318	43.216	ug/l	99
4) Vinyl Chloride	1.40	62	108965	44.146	ug/l	98
5) Bromomethane	1.62	94	39409	40.608	ug/l	100
6) Chloroethane	1.70	64	69805	41.950	ug/l	95
7) Trichlorofluoromethane	1.92	101	158244	45.662	ug/l	98
8) Diethyl Ether	2.18	74	62190	43.789	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	102041	48.343	ug/l	96
10) Methyl Iodide	2.50	142	103026	46.695	ug/l	93
11) Tert butyl alcohol	3.04	59	152976	218.758	ug/l	99
12) 1,1-Dichloroethene	2.36	96	97594	47.218	ug/l	99
13) Acrolein	2.28	56	78023	202.325	ug/l	98
14) Allyl chloride	2.72	41	184516	44.996	ug/l	96
15) Acrylonitrile	3.13	53	319298	225.060	ug/l	98
16) Acetone	2.43	43	391741	264.197	ug/l	99
17) Carbon Disulfide	2.56	76	247056	42.637	ug/l	99
18) Methyl Acetate	2.76	43	151626	43.428	ug/l	95
19) Methyl tert-butyl Ether	3.18	73	360263	46.050	ug/l	97
20) Methylene Chloride	2.84	84	113783	45.370	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	105117	45.906	ug/l	96
22) Diisopropyl ether	3.84	45	360616	45.511	ug/l	93
23) Vinyl Acetate	3.80	43	1578488	227.163	ug/l	97
24) 1,1-Dichloroethane	3.69	63	198278	46.035	ug/l	99
25) 2-Butanone	4.65	43	496323	233.448	ug/l	96
26) 2,2-Dichloropropane	4.56	77	175986	45.941	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	121785	45.837	ug/l	94
28) Bromochloromethane	5.00	49	70478	45.065	ug/l	95
29) Tetrahydrofuran	5.11	42	281840	217.496	ug/l	96
30) Chloroform	5.20	83	199964	45.379	ug/l	99
31) Cyclohexane	5.56	56	178503	45.811	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	178063	45.594	ug/l	99
36) 1,1-Dichloropropene	5.79	75	148618	47.950	ug/l	98
37) Ethyl Acetate	4.81	43	166640	45.987	ug/l	98
38) Carbon Tetrachloride	5.77	117	153804	48.850	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	182969	49.036	ug/l	99
40) Benzene	6.13	78	445260	48.825	ug/l	99
41) Methacrylonitrile	5.02	41	95044	46.748	ug/l	95
42) 1,2-Dichloroethane	6.18	62	164817	47.593	ug/l	98
43) Isopropyl Acetate	6.43	43	274219	45.252	ug/l	98
44) Trichloroethene	7.20	130	115642	49.603	ug/l	97
45) 1,2-Dichloropropane	7.50	63	114701	49.126	ug/l	99
46) Dibromomethane	7.65	93	77513	48.760	ug/l	97
47) Bromodichloromethane	7.89	83	156384	49.222	ug/l	97
48) Methyl methacrylate	7.76	41	133567	45.968	ug/l	93
49) 1,4-Dioxane	7.73	88	63472	963.080	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	865056	231.260	ug/l	96
52) Toluene	8.78	92	285047	49.732	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	175934	50.049	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	190615	49.664	ug/l	90
55) 1,1,2-Trichloroethane	9.21	97	113505	49.810	ug/l	99
56) Ethyl methacrylate	9.17	69	186420	48.695	ug/l	92
57) 1,3-Dichloropropane	9.36	76	195705	49.071	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	422109	245.636	ug/l	99
59) 2-Hexanone	9.48	43	699756	244.395	ug/l	94
60) Dibromochloromethane	9.57	129	119096	51.629	ug/l	99
61) 1,2-Dibromoethane	9.67	107	118121	49.807	ug/l	99
64) Tetrachloroethene	9.33	164	108177	54.778	ug/l	94
65) Chlorobenzene	10.14	112	296852	49.770	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	110369	51.071	ug/l	98
67) Ethyl Benzene	10.25	91	546079	50.479	ug/l	100
68) m/p-Xylenes	10.36	106	412934	101.897	ug/l	99
69) o-Xylene	10.70	106	198794	50.697	ug/l	99
70) Styrene	10.71	104	347296	52.832	ug/l	98
71) Bromoform	10.85	173	80446	53.461	ug/l	99
73) Isopropylbenzene	11.01	105	540650	48.346	ug/l	100
74) N-amyl acetate	10.89	43	241340	45.237	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	176807	47.739	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	173690m	47.822	ug/l	
77) Bromobenzene	11.25	156	121530	48.016	ug/l	99
78) n-propylbenzene	11.35	91	591705	46.998	ug/l	99
79) 2-Chlorotoluene	11.42	91	362909	46.207	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	452732	48.277	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	58567	46.211	ug/l	98
82) 4-Chlorotoluene	11.51	91	423928	47.350	ug/l	99
83) tert-Butylbenzene	11.76	119	432240	47.781	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	457482	48.359	ug/l	100
85) sec-Butylbenzene	11.94	105	528599	50.239	ug/l	100
86) p-Isopropyltoluene	12.06	119	481651	50.733	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	229907	50.475	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	230164	50.007	ug/l	99
89) n-Butylbenzene	12.39	91	418485	50.022	ug/l	99
90) Hexachloroethane	12.59	117	82364	48.662	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	227990	49.997	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	43275	46.710	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	142366	51.193	ug/l	98
94) Hexachlorobutadiene	13.78	225	65486	54.737	ug/l	99
95) Naphthalene	13.83	128	503047	49.997	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	144084	51.722	ug/l	99

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

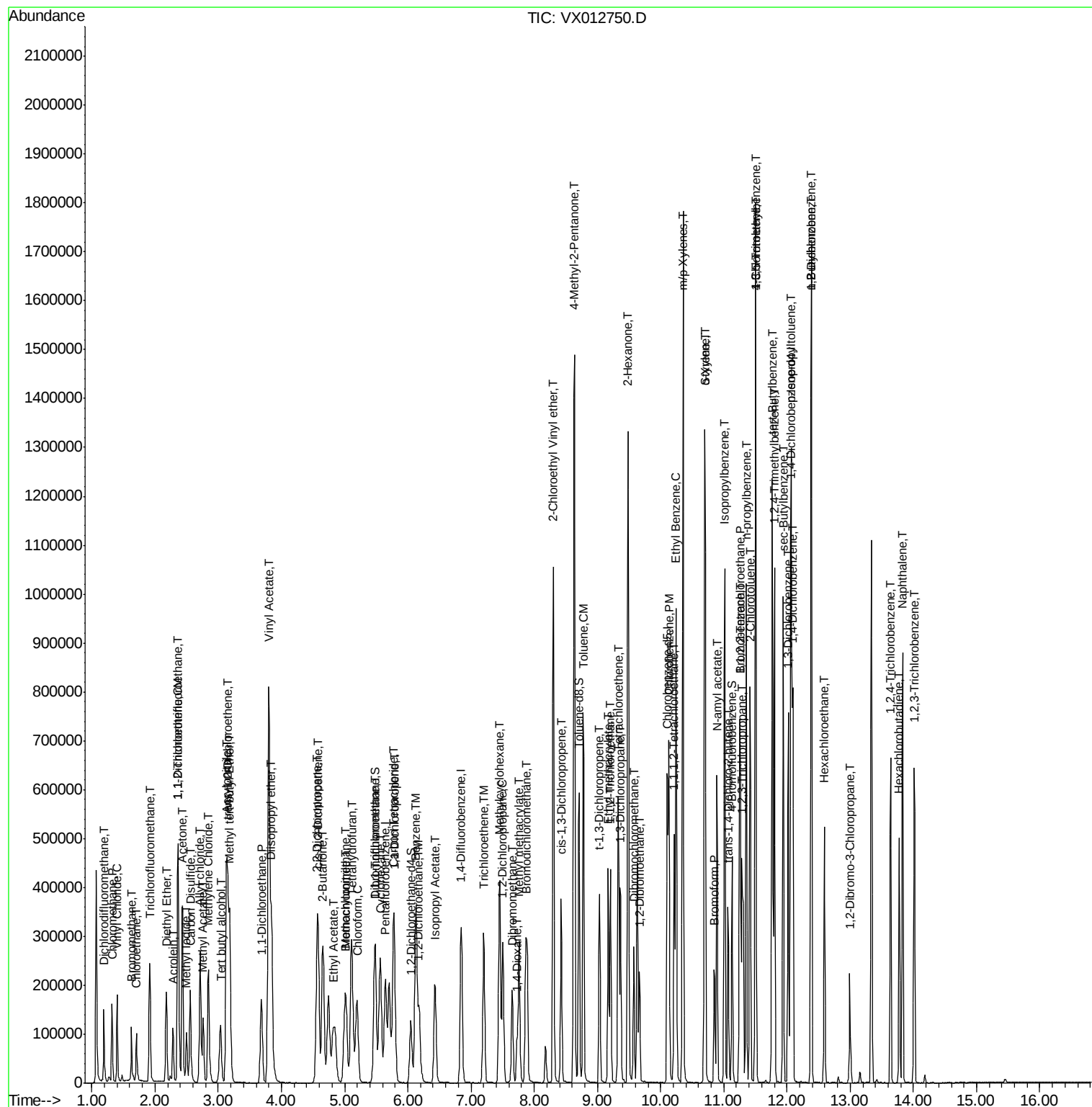
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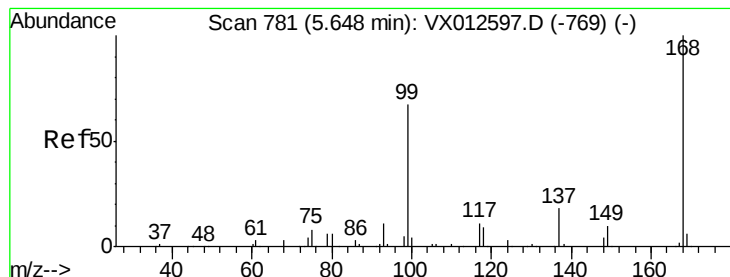
Instrument :
 MSVOA_X
 ClientSampleID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 192237

Ion Ratio Lower Upper

168 100

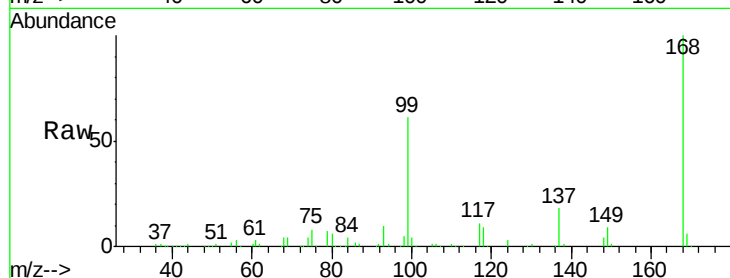
99 61.2 51.4 77.2

Manual Integrations

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10/3/2019 10:50:49 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

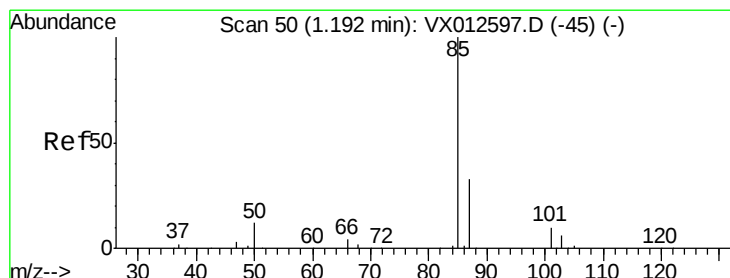
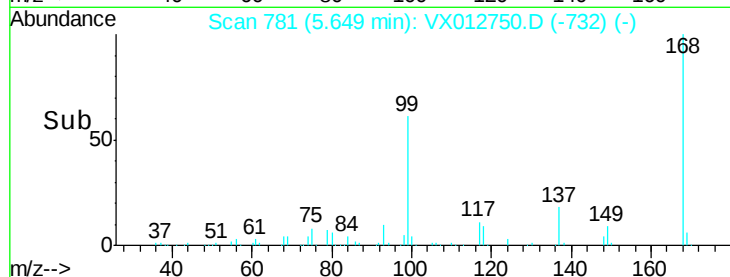
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.607 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012750.D

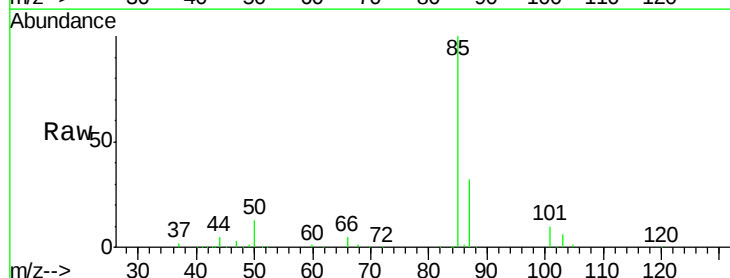
Acq: 02 Oct 2019 10:03

Tgt Ion: 85 Resp: 94306

Ion Ratio Lower Upper

85 100

87 31.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

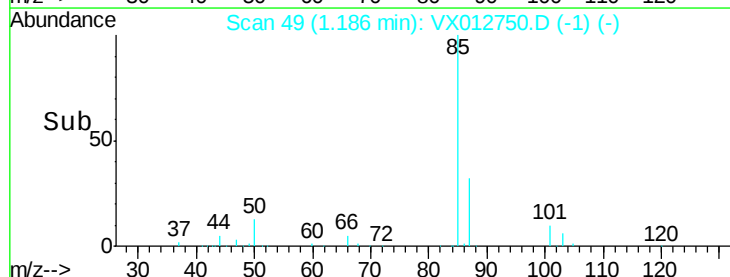
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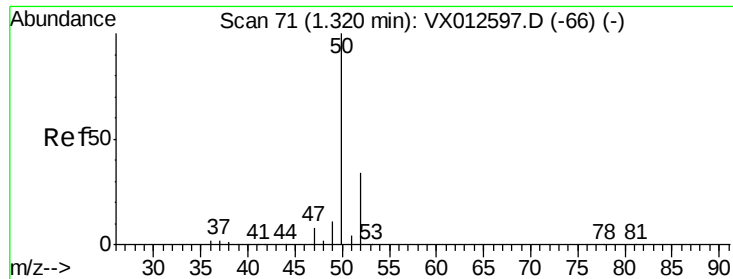
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20000

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Time-->





#3

Chloromethane

Concen: 43.216 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 107318

Ion Ratio Lower Upper

50 100

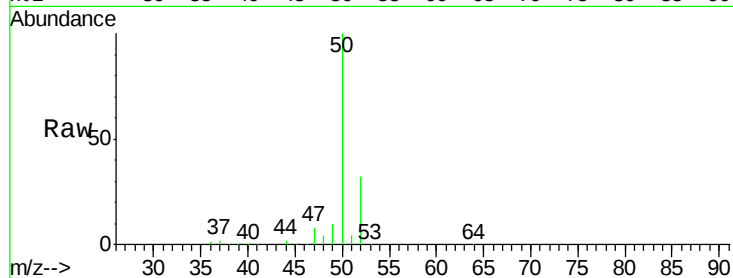
52 32.4 25.7 38.5

Manual Integrations

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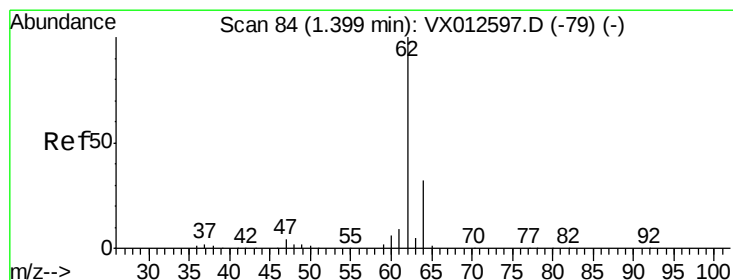
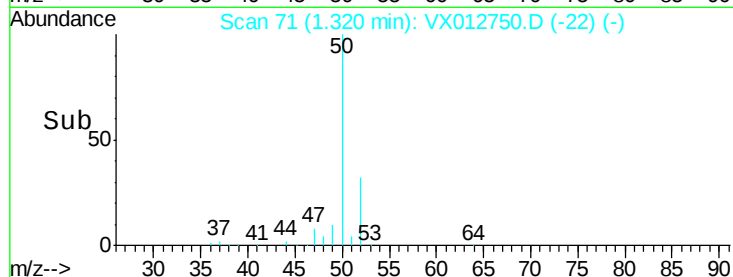
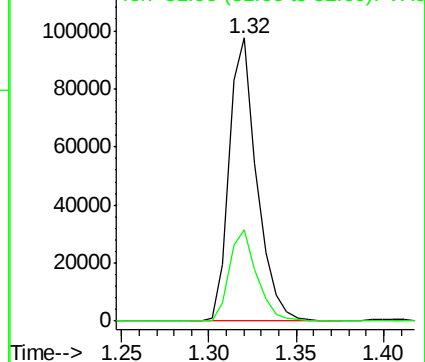
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.146 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012750.D

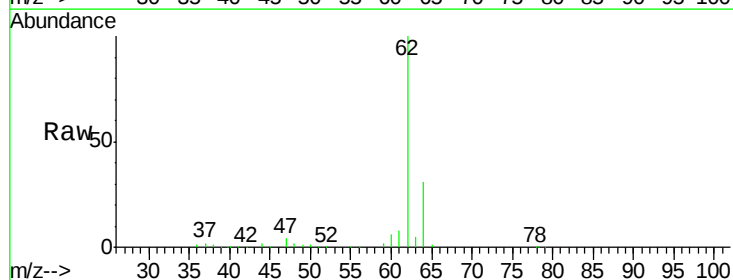
Acq: 02 Oct 2019 10:03

Tgt Ion: 62 Resp: 108965

Ion Ratio Lower Upper

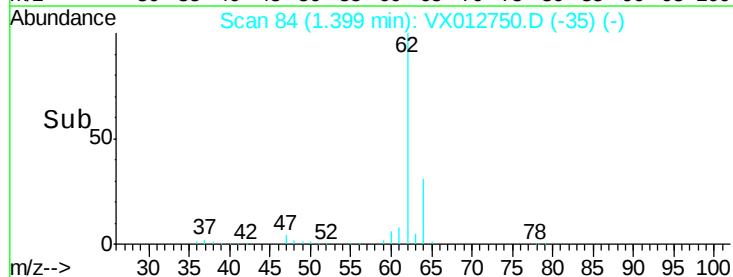
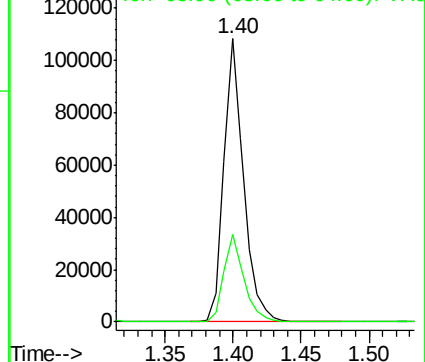
62 100

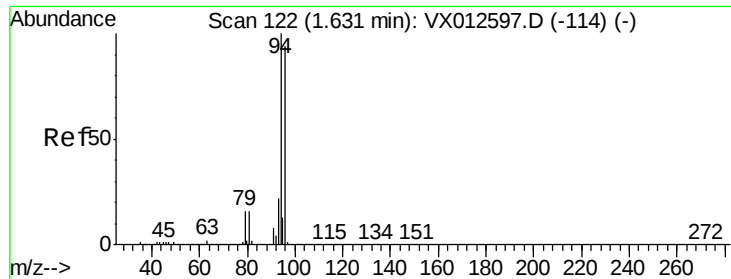
64 31.0 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.608 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 39409

Ion Ratio Lower Upper

94 100

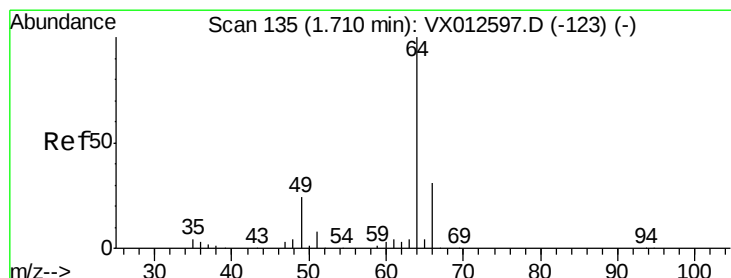
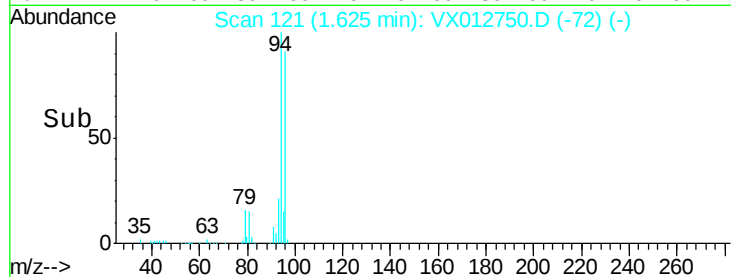
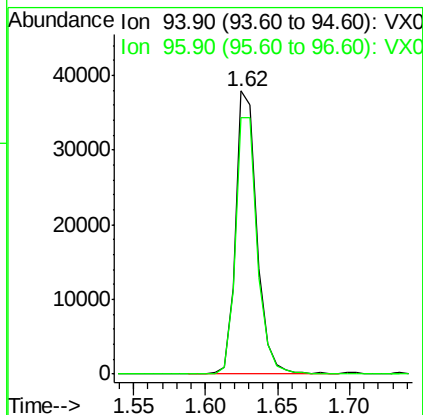
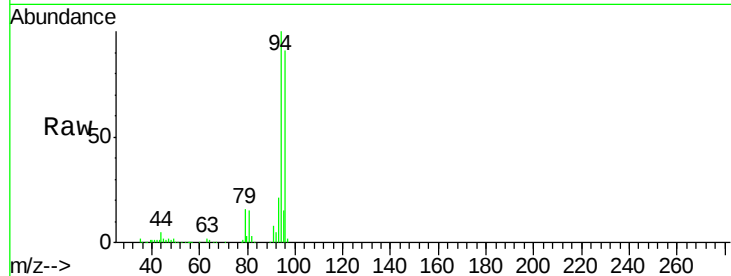
96 90.7 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 41.950 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012750.D

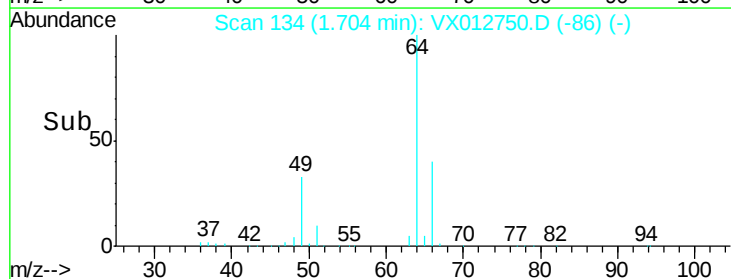
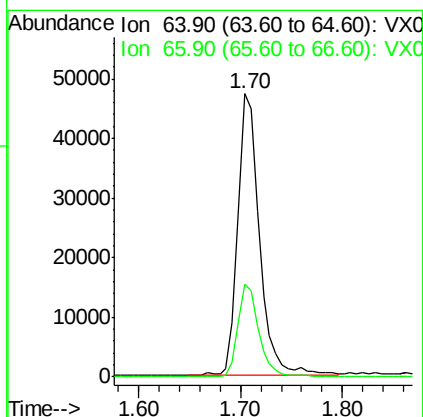
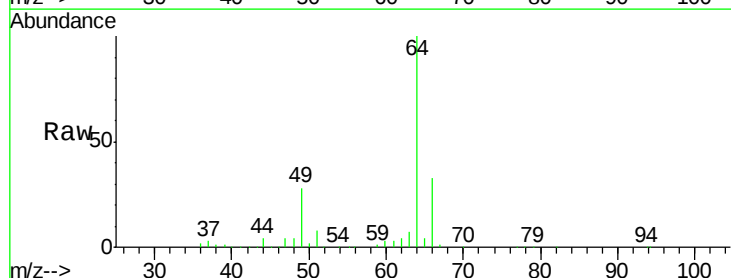
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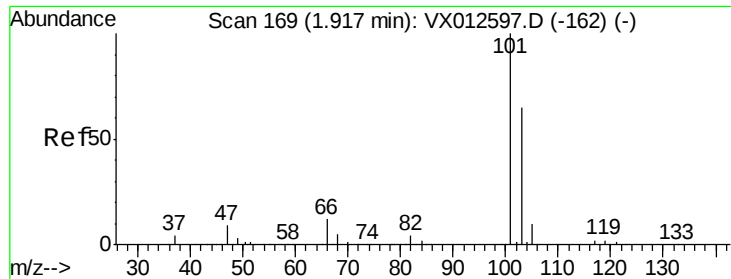
Tgt Ion: 64 Resp: 69805

Ion Ratio Lower Upper

64 100

66 32.7 24.0 36.0





#7

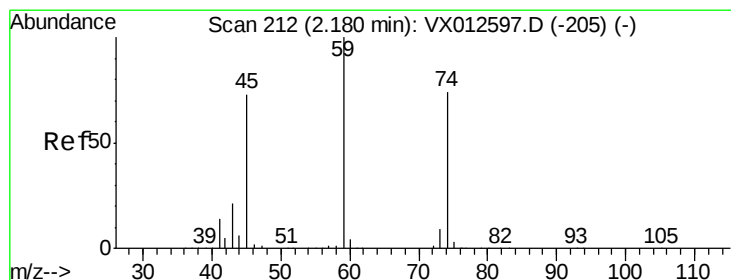
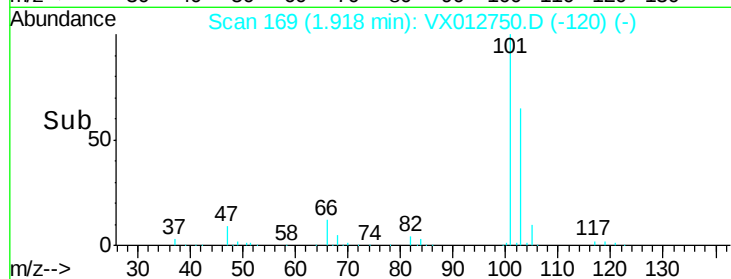
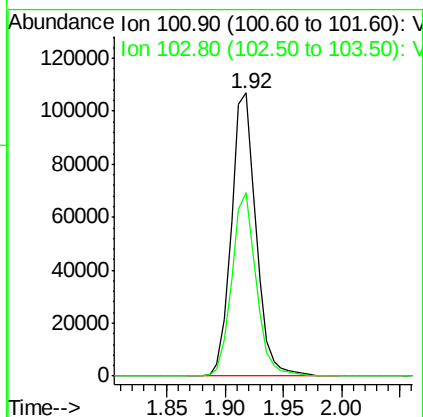
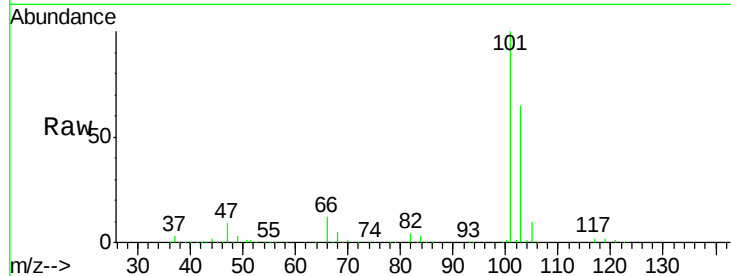
Trichlorofluoromethane
Concen: 45.662 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		158244		
103	64.9	51.0	76.4		

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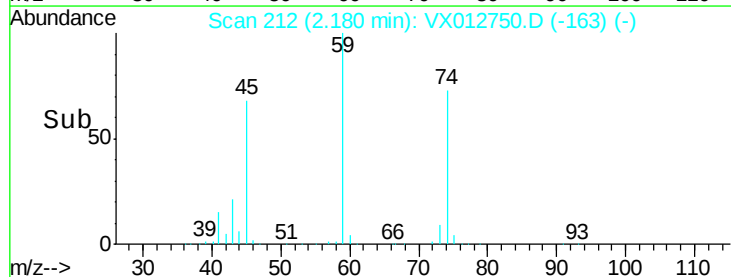
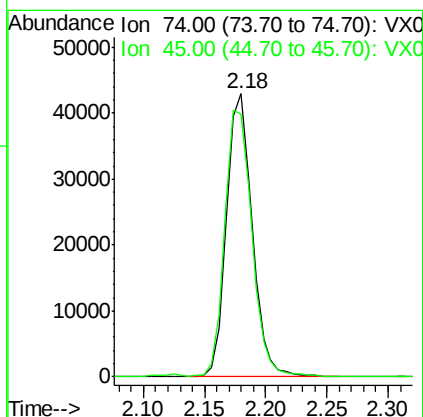
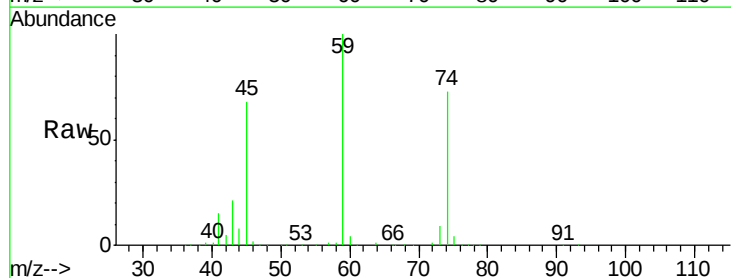
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10/3/2019 10:50:49 AM

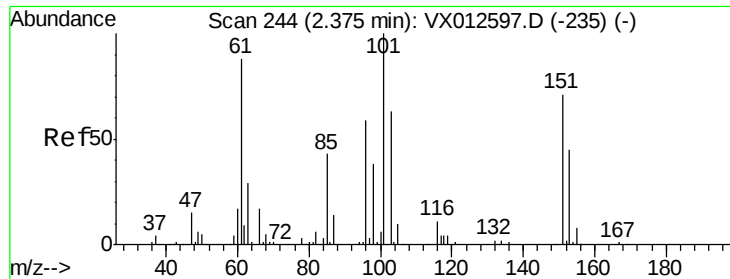


#8

Diethyl Ether
Concen: 43.789 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		62190		
45	99.3	49.9	149.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.343 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

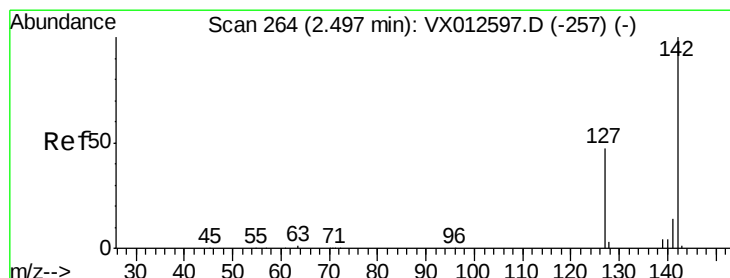
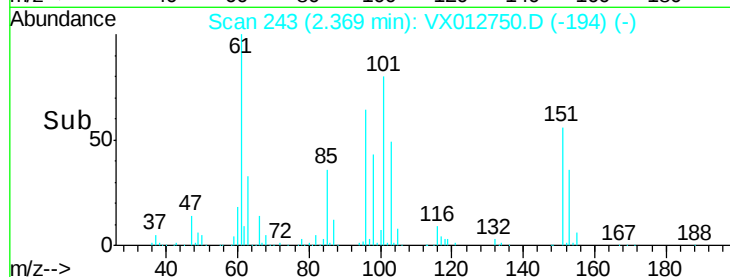
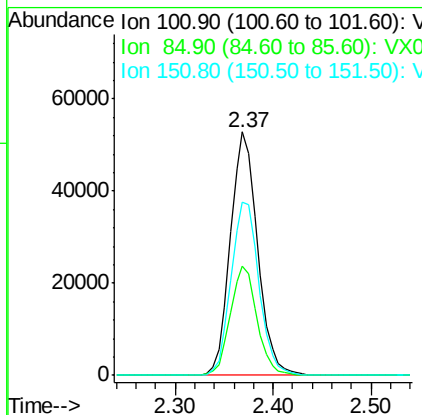
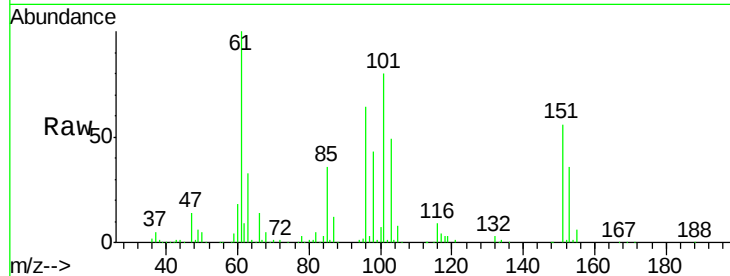
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	102041
Ion Ratio	Lower	Upper	
101	100		
85	43.9	37.3	55.9
151	73.4	61.0	91.4

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#10

Methyl Iodide

Concen: 46.695 ug/l

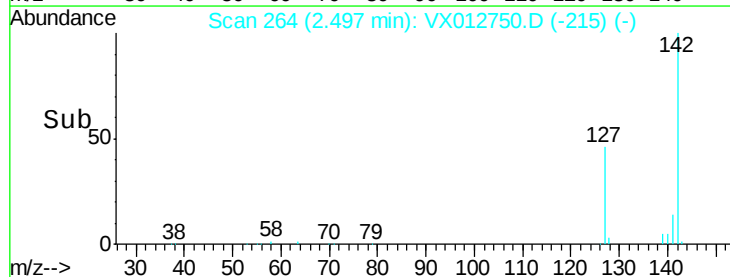
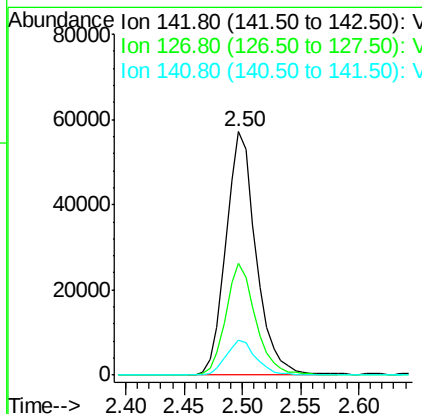
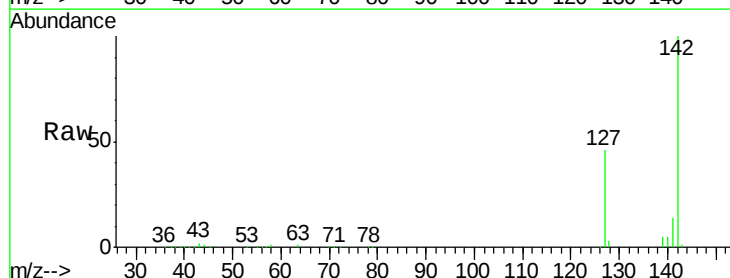
RT: 2.50 min Scan# 264

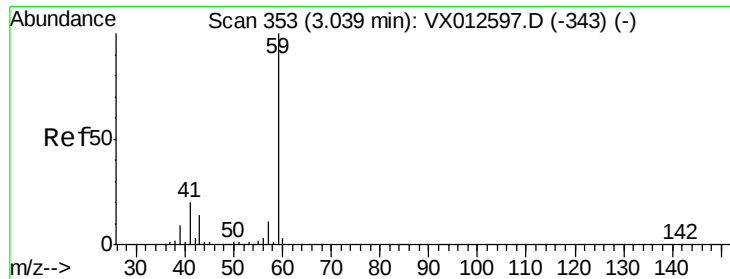
Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Tgt Ion:	142	Resp:	103026
Ion Ratio	Lower	Upper	
142	100		
127	45.5	40.8	61.2
141	14.3	12.1	18.1





#11

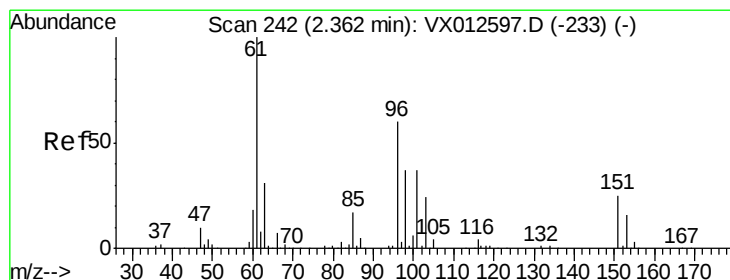
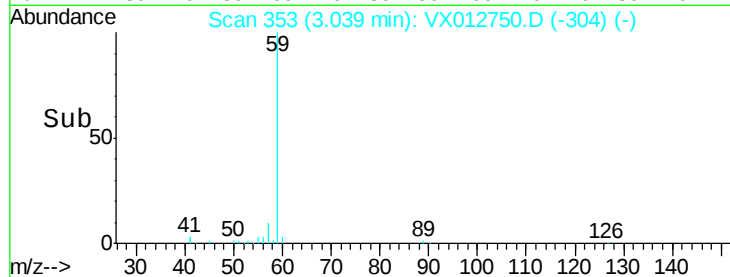
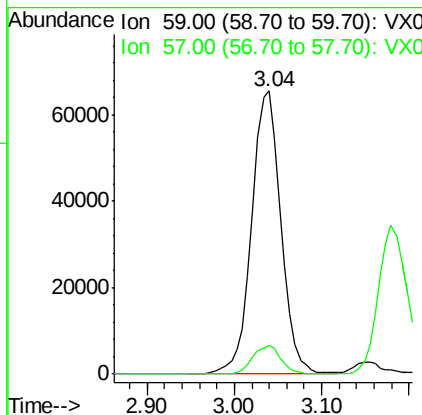
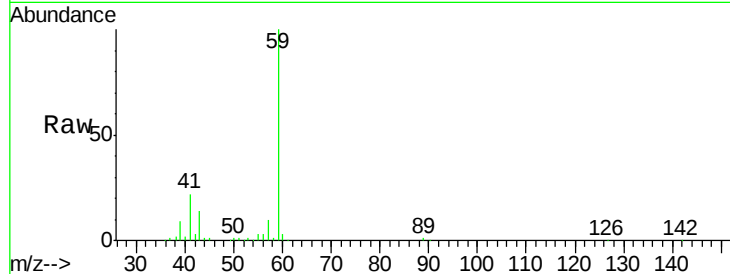
Tert butyl alcohol
 Concen: 218.758 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

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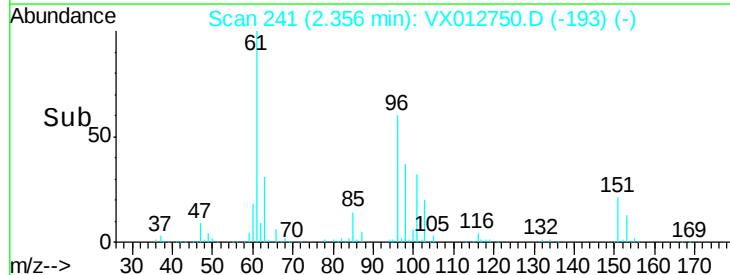
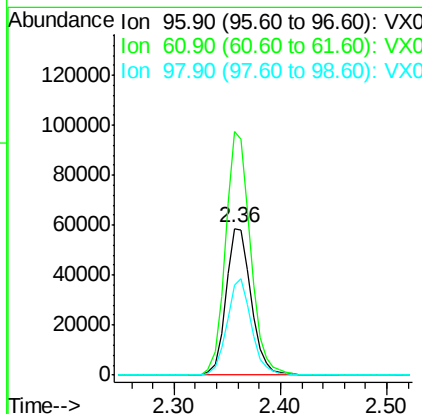
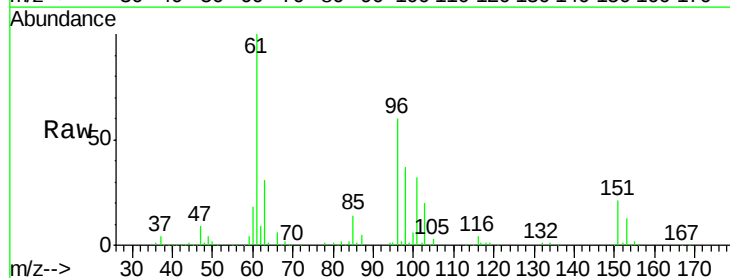
MMDadoda
 10/3/2019 10:50:49 AM

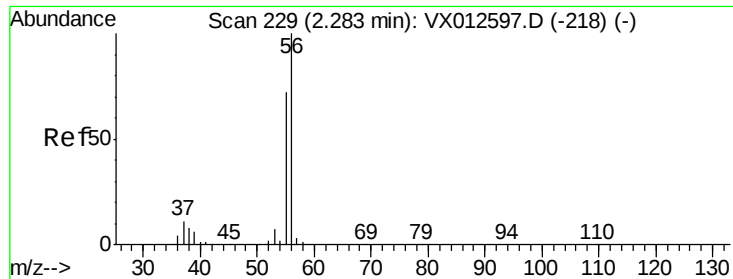


#12

1,1-Dichloroethene
 Concen: 47.218 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	133.8	200.6
98	61.0	49.9	74.9





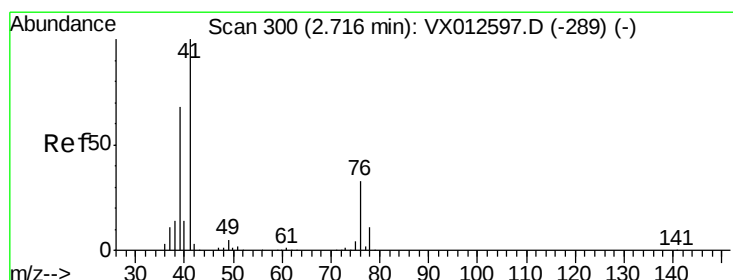
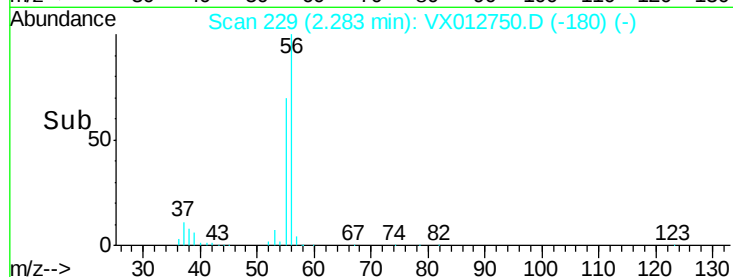
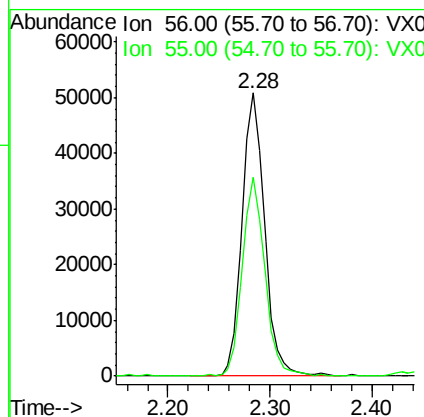
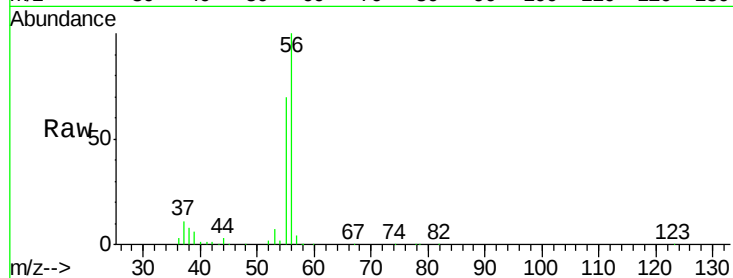
#13
Acrolein
Concen: 202.325 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	100	71.3	Resp	78023	Lower	55.8	Upper	83.8
Ion											

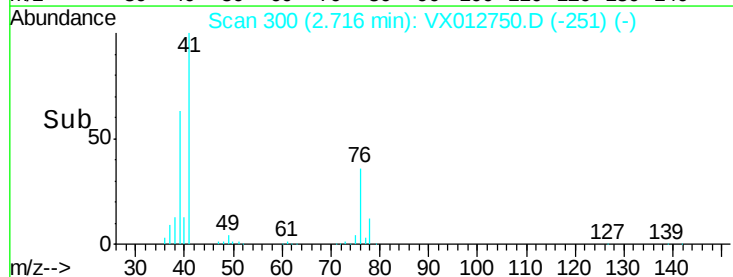
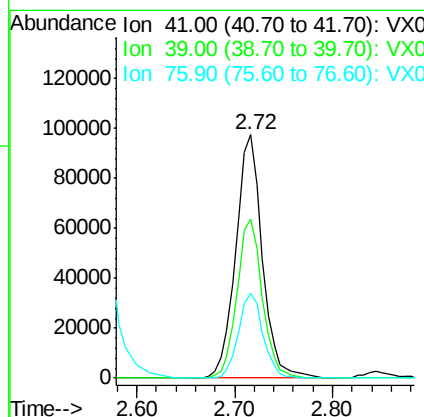
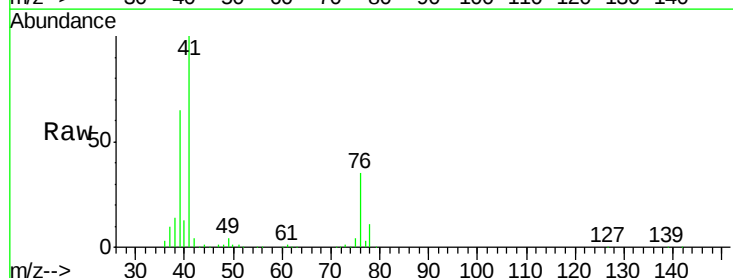
Manual Integrations
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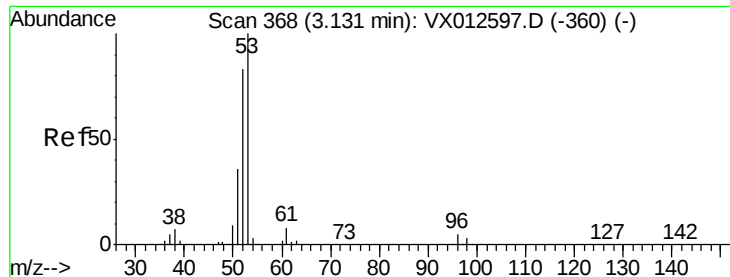
MMDadoda
10/3/2019 10:50:49 AM



#14
Allyl chloride
Concen: 44.996 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	41	39	76	Ratio	100	62.3	32.5	Resp	184516	Lower	51.3	22.6	Upper	76.9	33.8
Ion															





#15

Acrylonitrile

Concen: 225.060 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

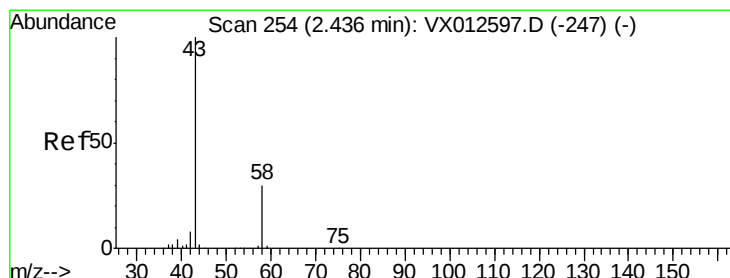
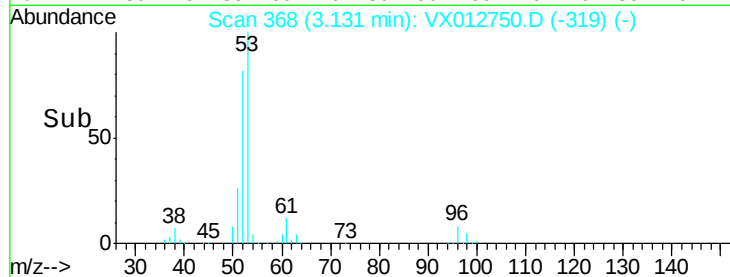
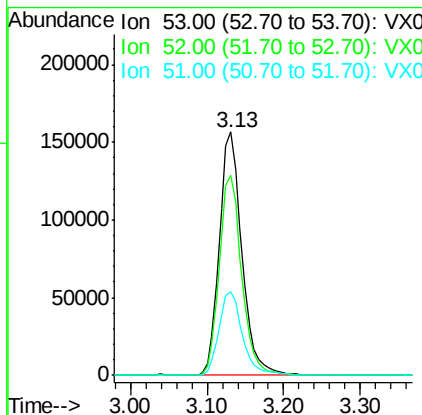
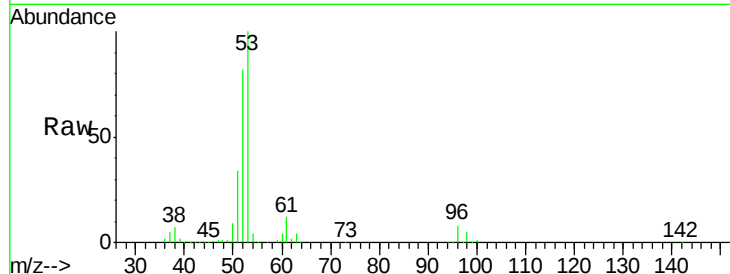
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	319298
Ion Ratio		Lower	Upper
53	100		
52	82.0	67.0	100.4
51	36.0	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 264.197 ug/l

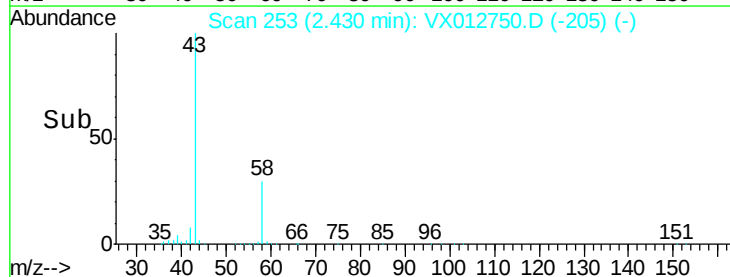
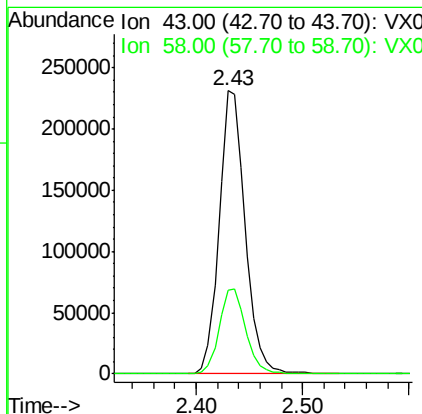
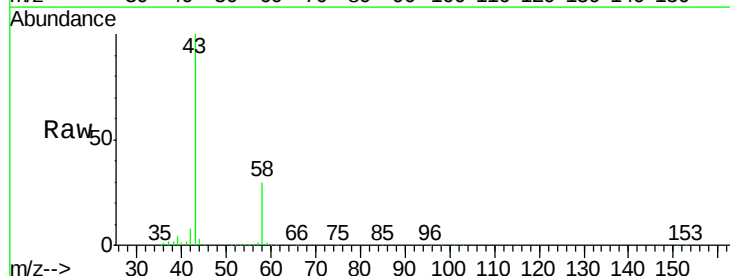
RT: 2.43 min Scan# 253

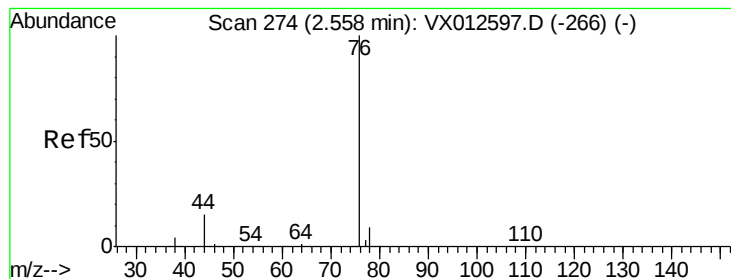
Delta R.T. -0.01 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Tgt Ion:	43	Resp:	391741
Ion Ratio		Lower	Upper
43	100		
58	29.6	23.3	34.9





#17

Carbon Disulfide

Concen: 42.637 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 247056

Ion Ratio Lower Upper

76 100

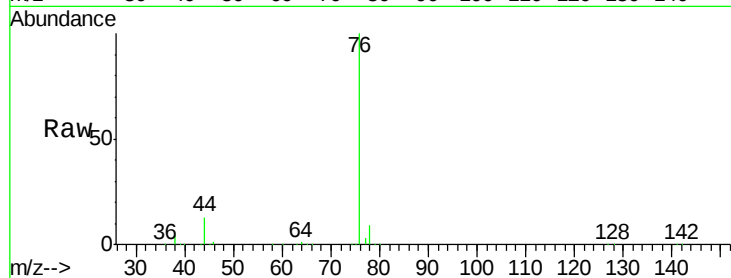
78 8.7 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

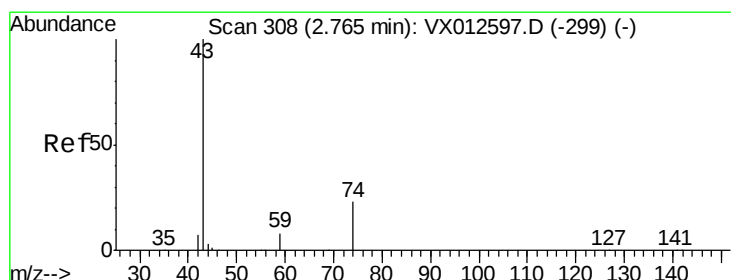
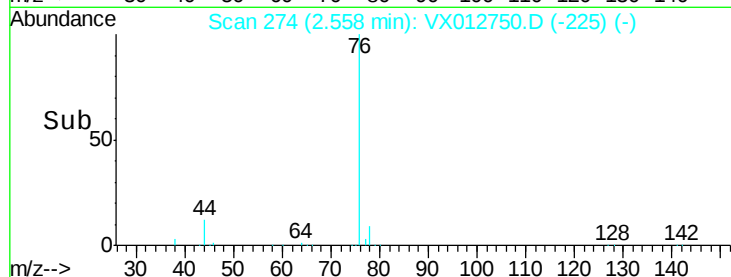
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.428 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012750.D

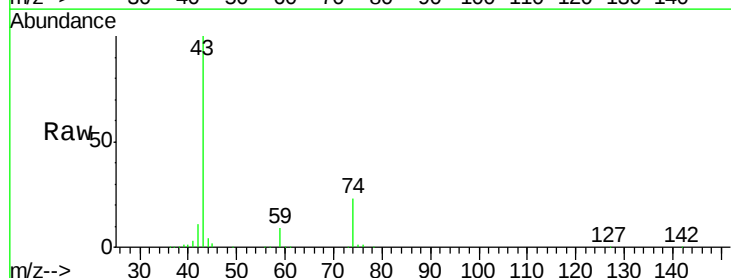
Acq: 02 Oct 2019 10:03

Tgt Ion: 43 Resp: 151626

Ion Ratio Lower Upper

43 100

74 24.3 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

100000

80000

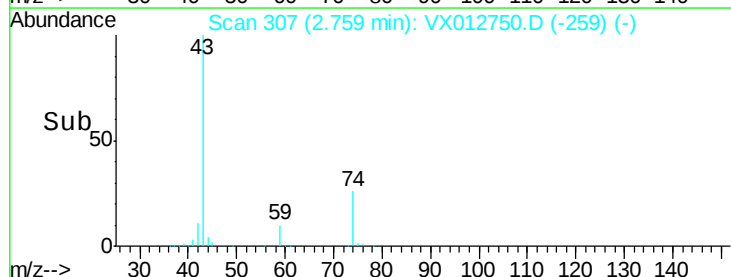
60000

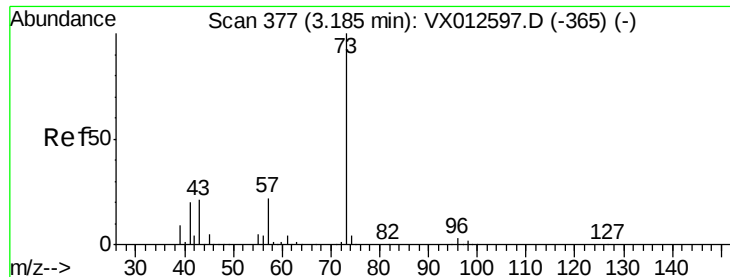
40000

20000

0

Time-->





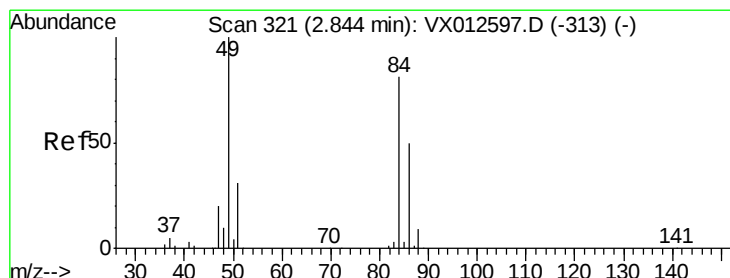
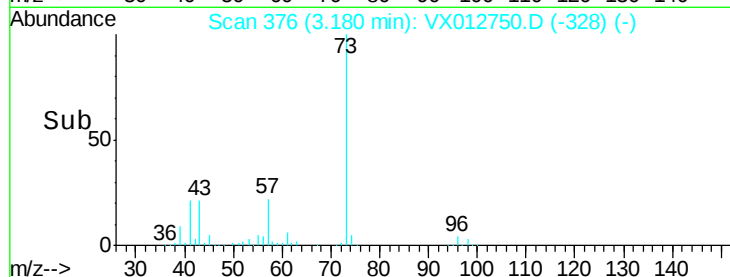
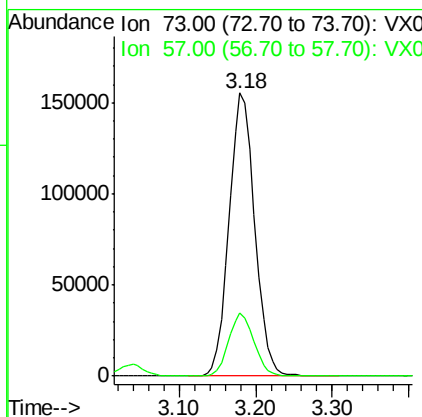
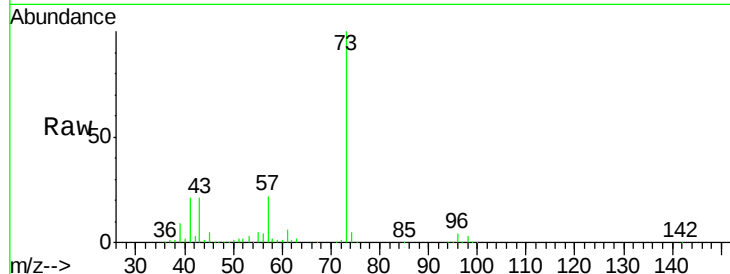
#19
Methyl tert-butyl Ether
Concen: 46.050 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	16.8	25.2

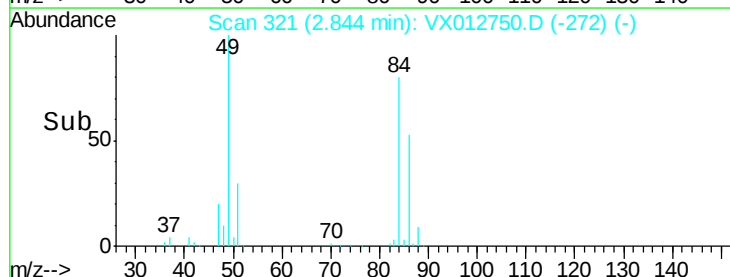
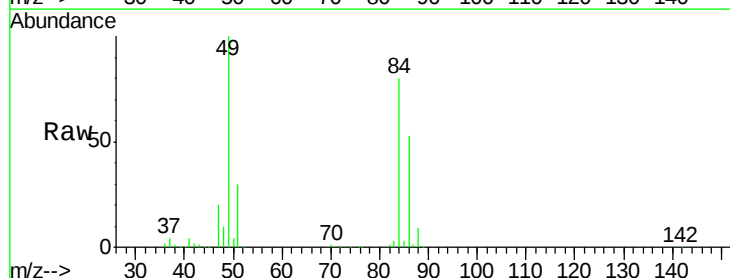
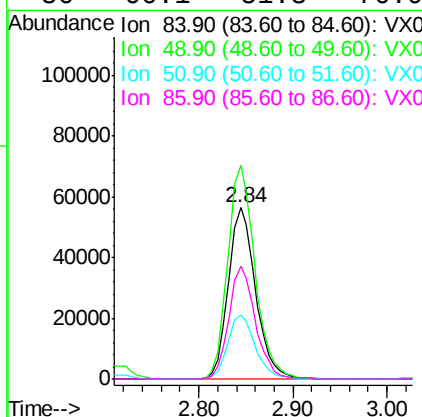
Manual Integrations
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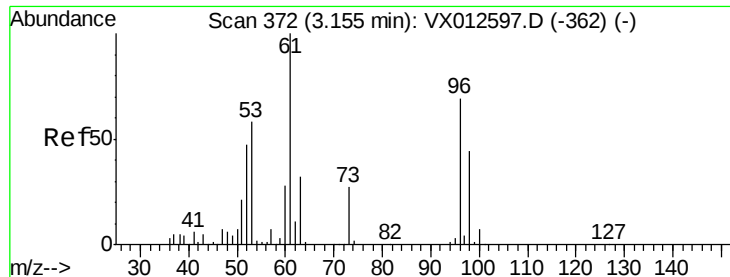
MMDadoda
10/3/2019 10:50:49 AM



#20
Methylene Chloride
Concen: 45.370 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.9	106.8	160.2
51	37.2	32.3	48.5
86	66.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 45.906 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

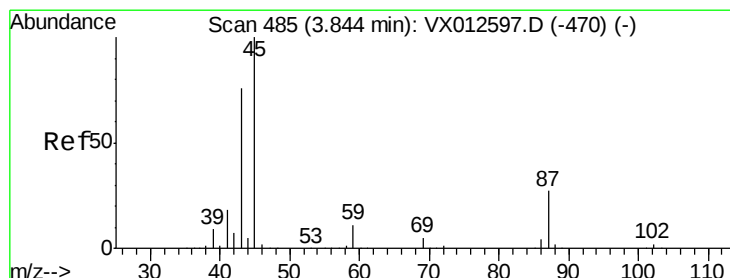
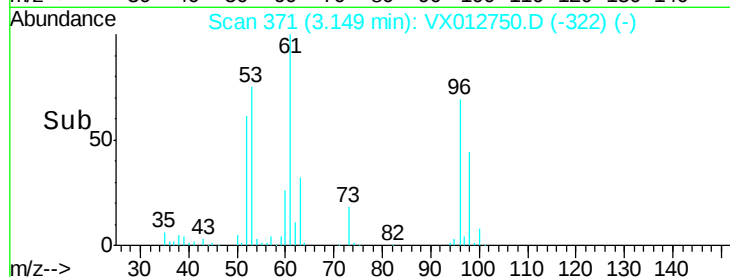
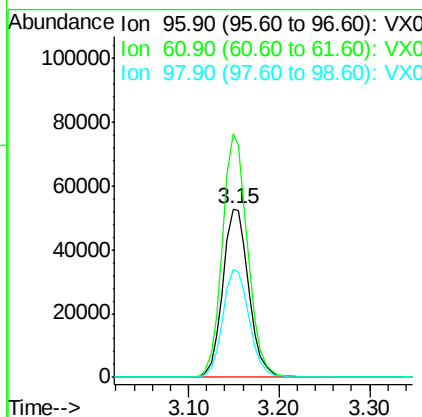
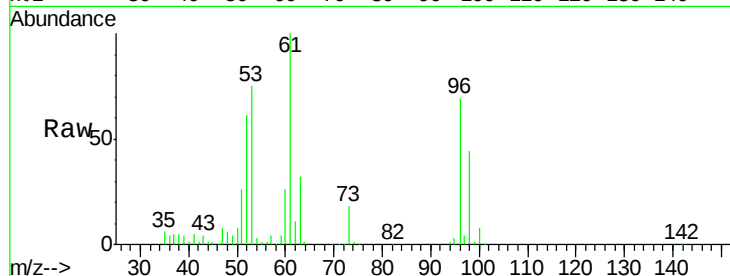
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	105117
Ion	Ratio	Lower	Upper
96	100		
61	144.6	112.0	168.0
98	63.9	47.8	71.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.511 ug/l

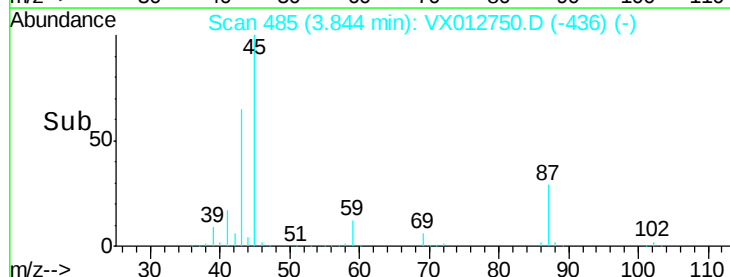
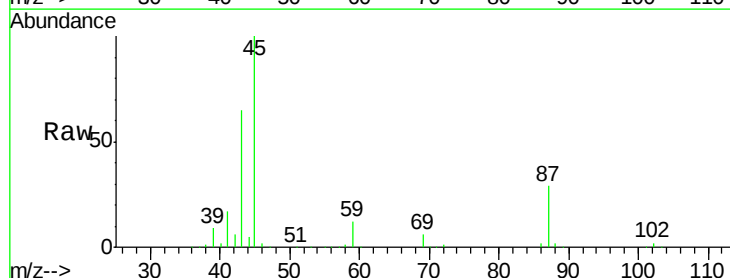
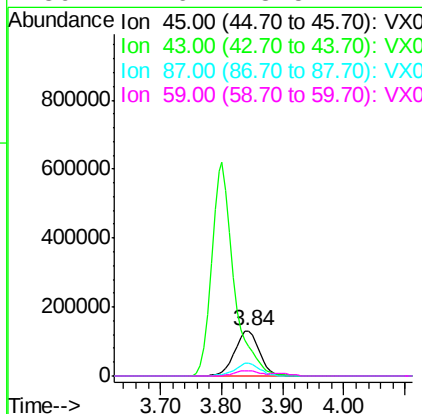
RT: 3.84 min Scan# 485

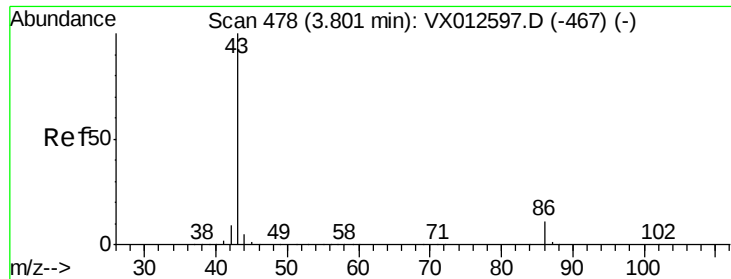
Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Tgt Ion:	45	Resp:	360616
Ion	Ratio	Lower	Upper
45	100		
43	64.8	57.8	86.8
87	28.6	21.3	31.9
59	11.6	8.5	12.7





#23

Vinyl Acetate

Concen: 227.163 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1578488

Ion Ratio Lower Upper

43 100

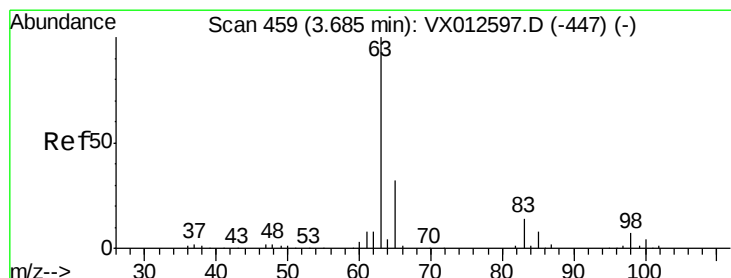
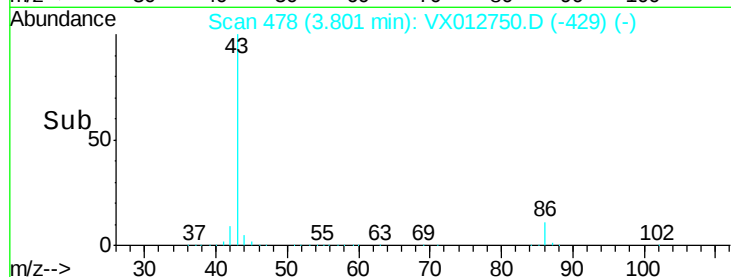
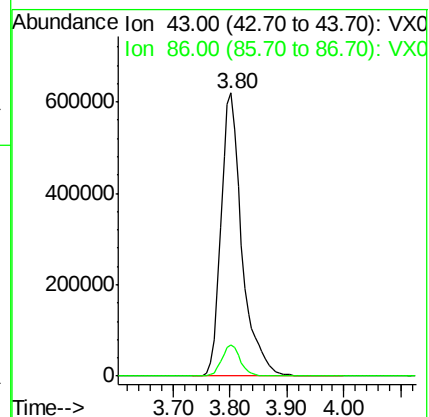
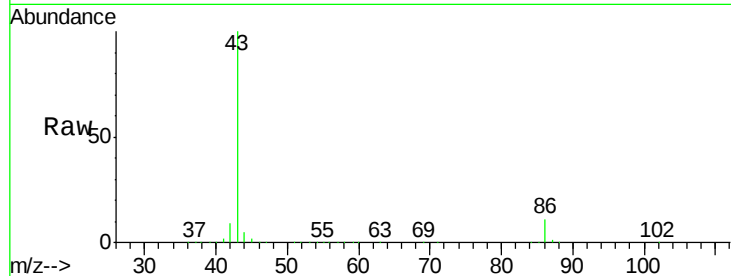
86 10.8 7.8 11.8

Manual Integrations

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MMDadoda

10/3/2019 10:50:49 AM



#24

1,1-Dichloroethane

Concen: 46.035 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

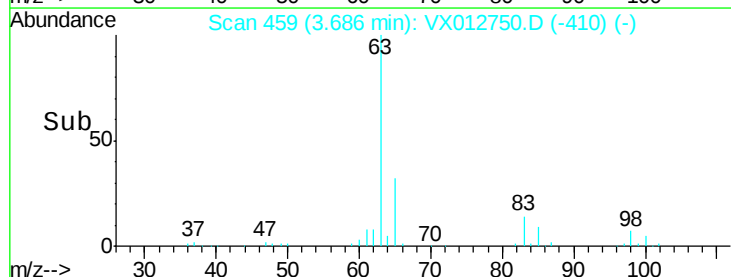
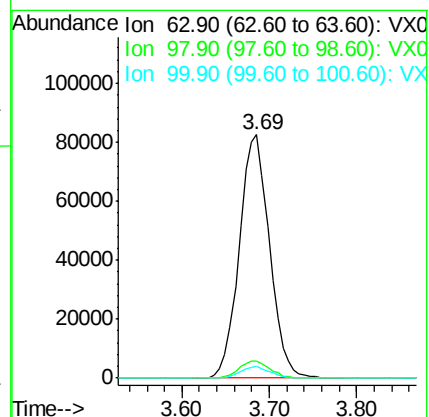
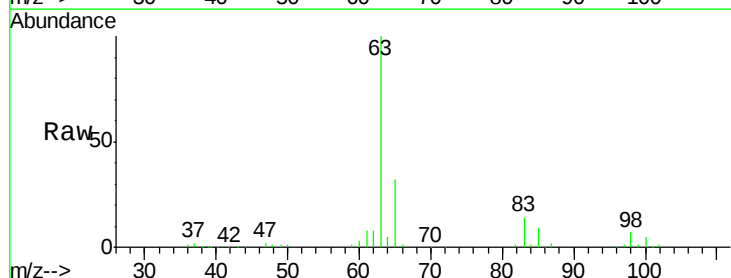
Tgt Ion: 63 Resp: 198278

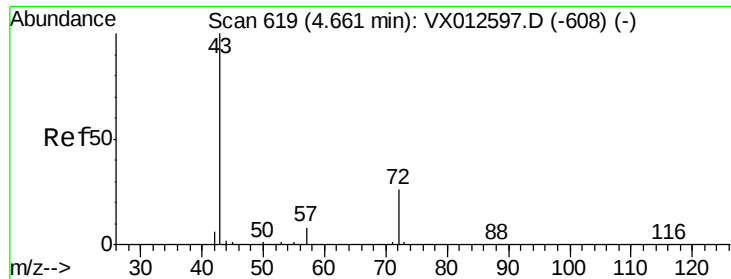
Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.7

100 4.7 2.3 6.9





#25

2-Butanone

Concen: 233.448 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 496323

Ion Ratio Lower Upper

43 100

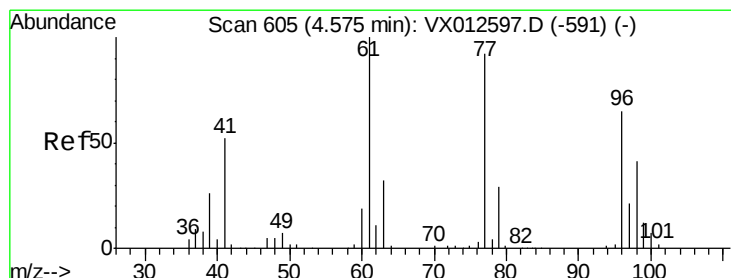
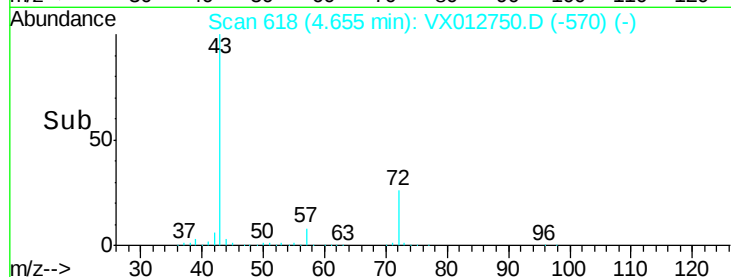
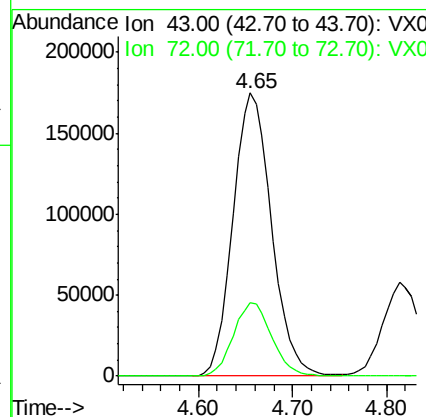
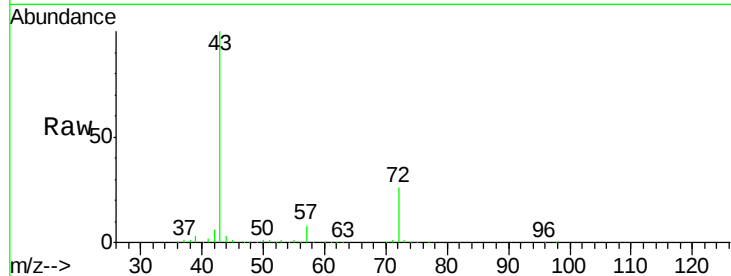
72 26.0 19.2 28.8

Manual Integrations

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MMDadoda

10/3/2019 10:50:49 AM



#26

2,2-Dichloropropane

Concen: 45.941 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012750.D

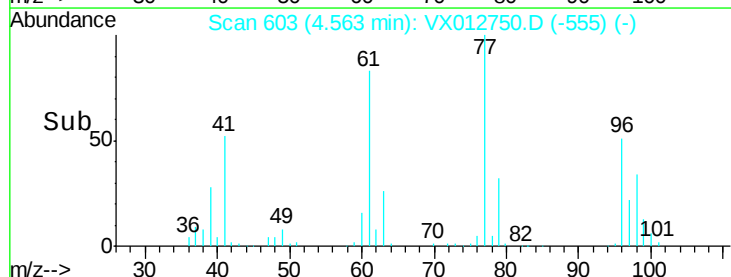
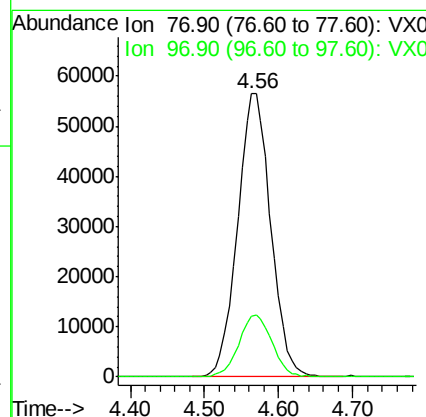
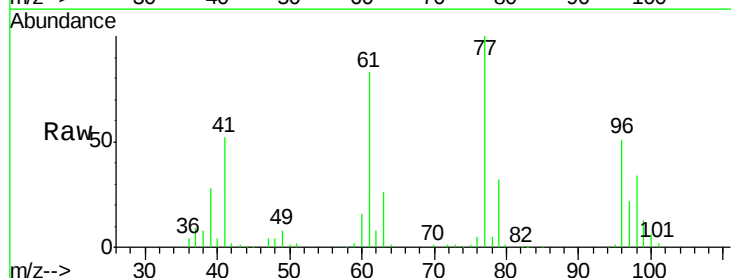
Acq: 02 Oct 2019 10:03

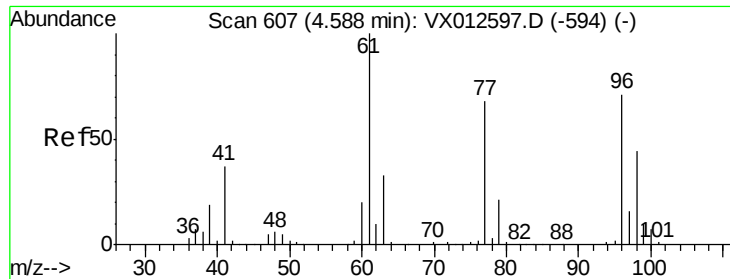
Tgt Ion: 77 Resp: 175986

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6





#27

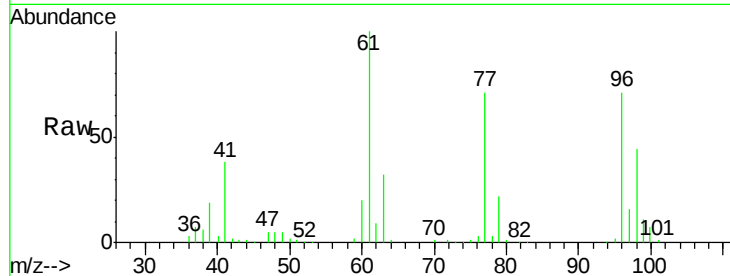
cis-1,2-Dichloroethene
Concen: 45.837 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

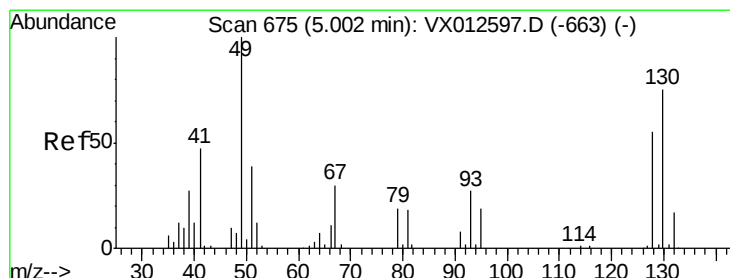
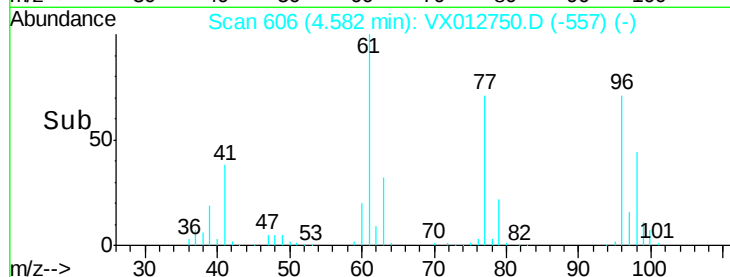
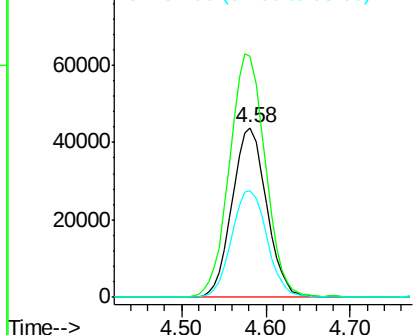
Tot Ion	Ratio	Resp	Lower	Upper
96	100	121785		
61	149.5	0.0	319.4	
98	64.9	0.0	130.6	

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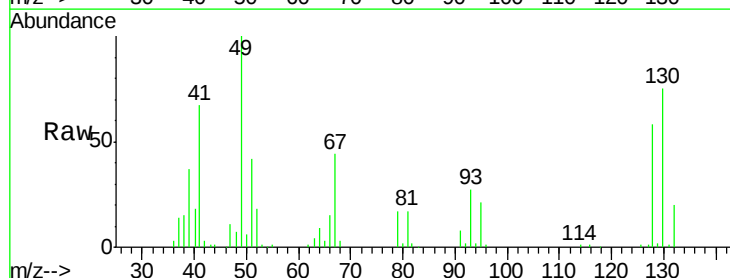
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



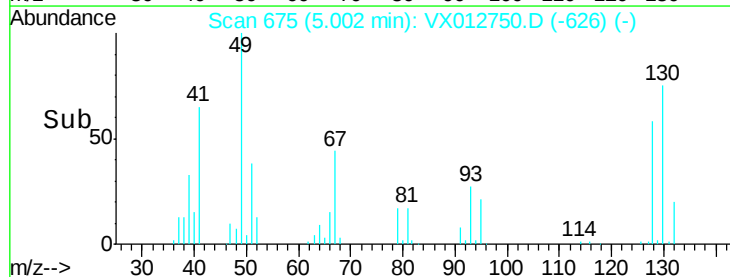
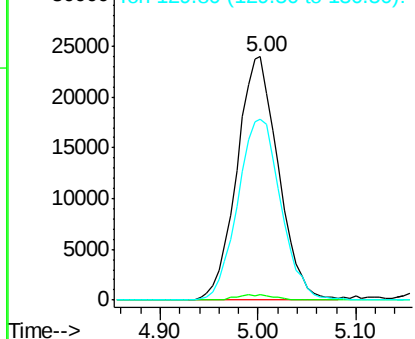
#28

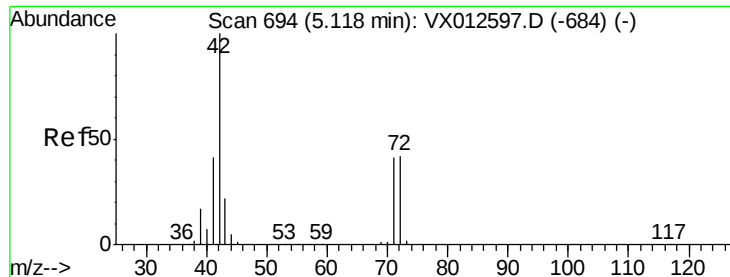
Bromochloromethane
Concen: 45.065 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70478		
129	2.1	0.0	3.8	
130	77.2	58.2	87.4	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





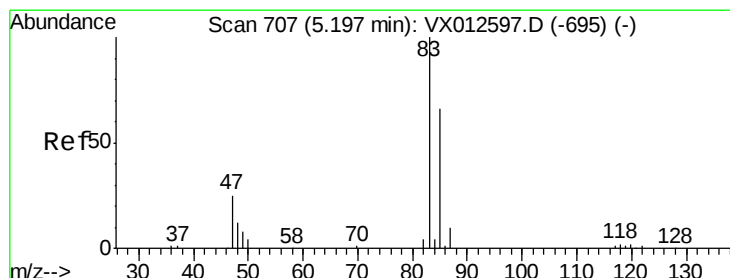
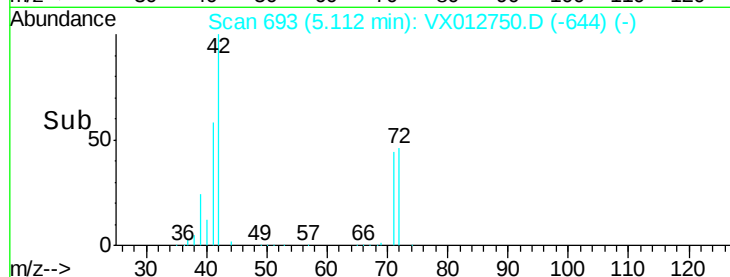
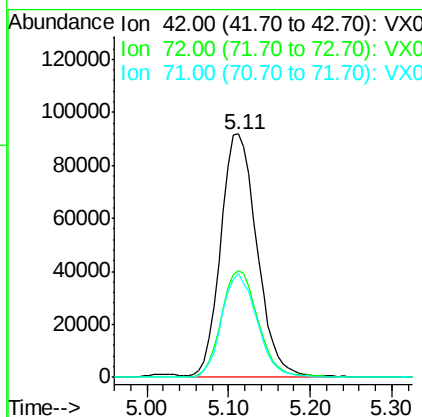
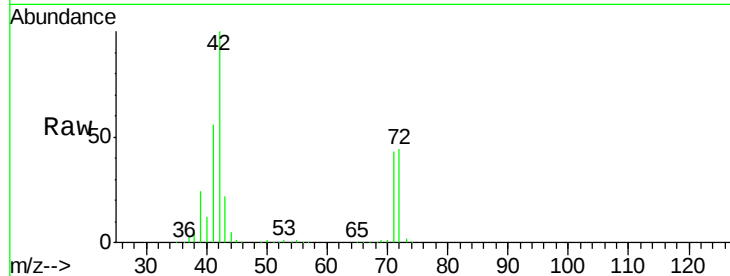
#29
Tetrahydrofuran
Concen: 217.496 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.0	51.0
71	41.7	31.5	47.3

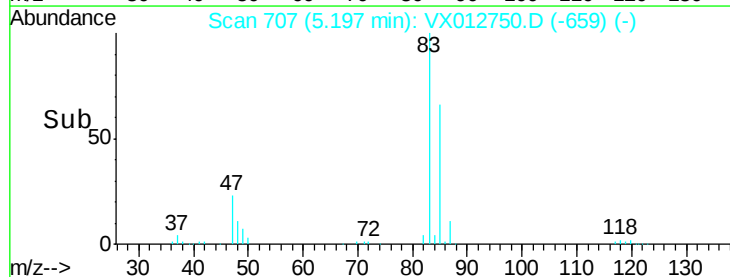
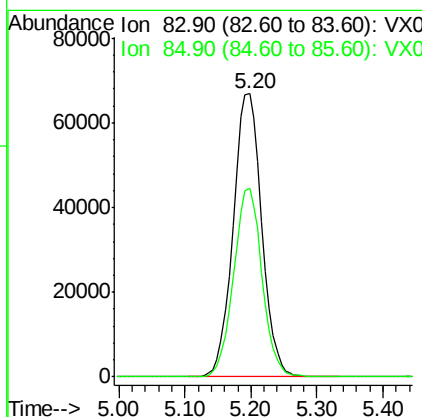
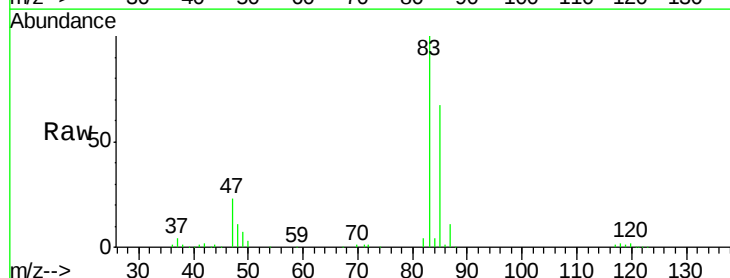
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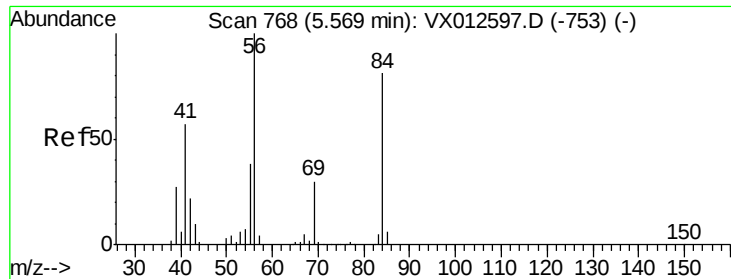
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#30
Chloroform
Concen: 45.379 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.0	79.4





#31

Cyclohexane

Concen: 45.811 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

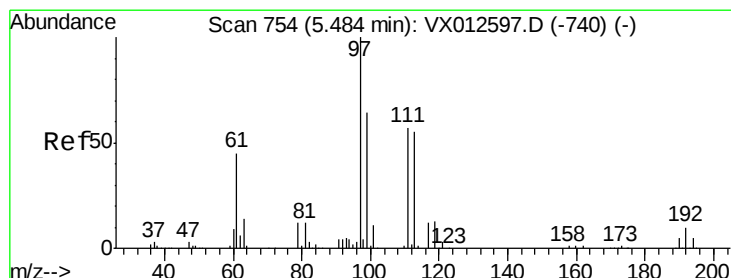
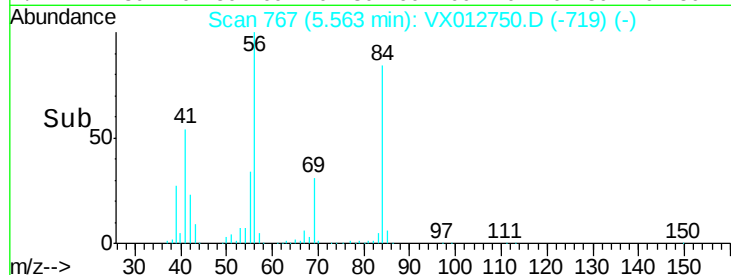
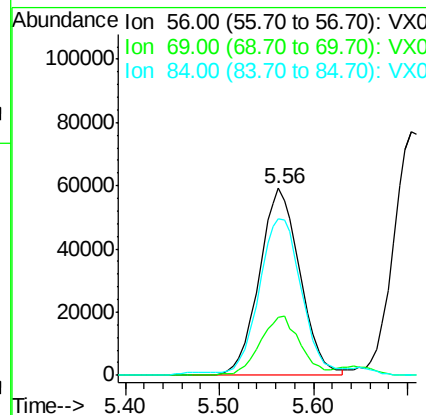
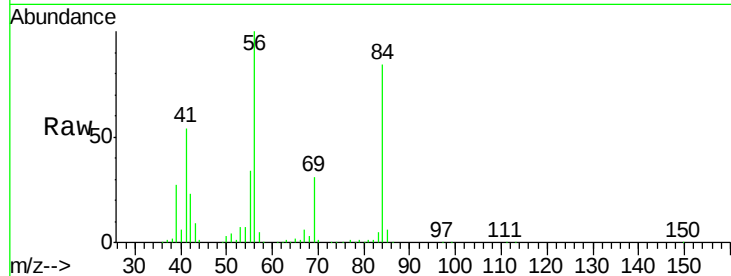
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	178503
Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.0	37.6
84	82.2	66.4	99.6

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#32

1,1,1-Trichloroethane

Concen: 45.594 ug/l

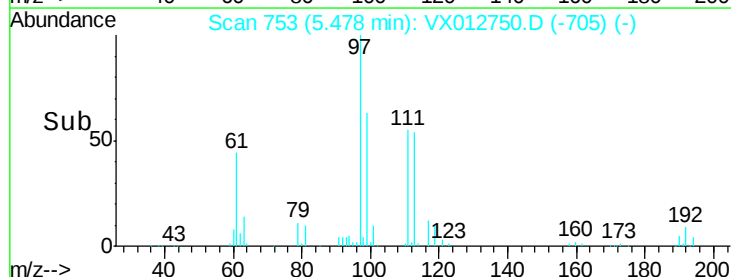
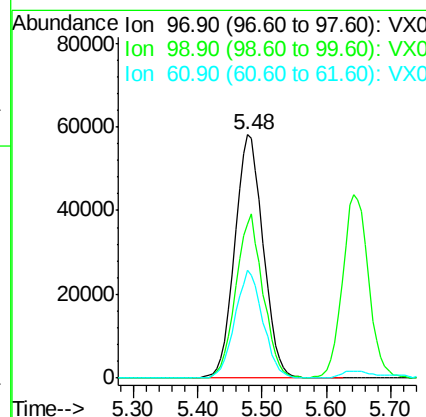
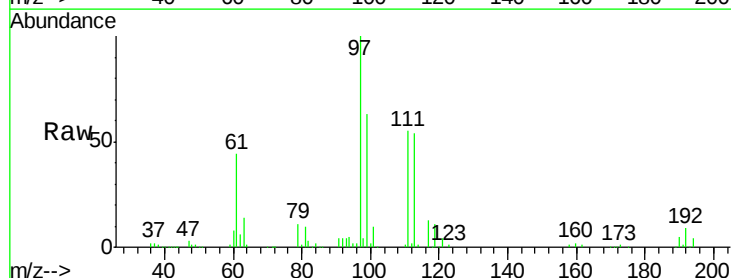
RT: 5.48 min Scan# 753

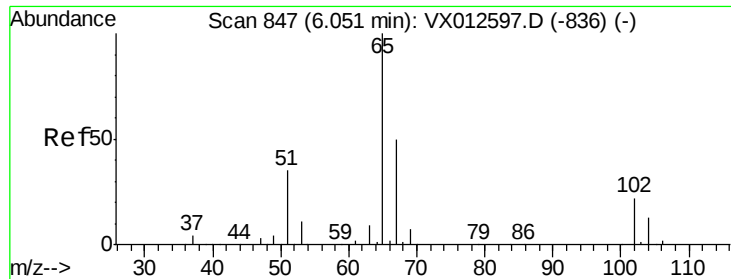
Delta R.T. -0.01 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Tgt Ion:	97	Resp:	178063
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	43.9	36.1	54.1





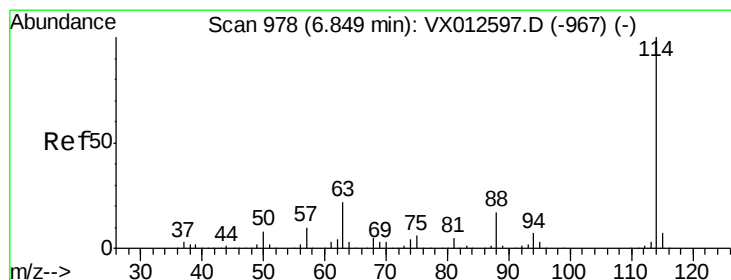
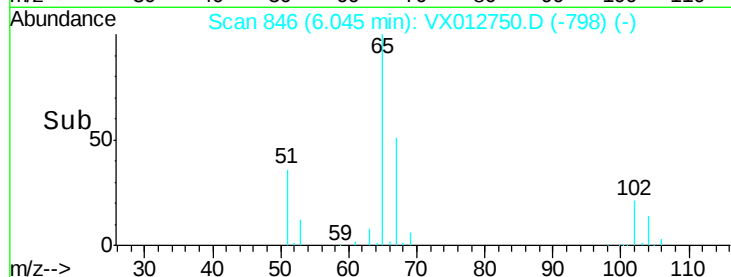
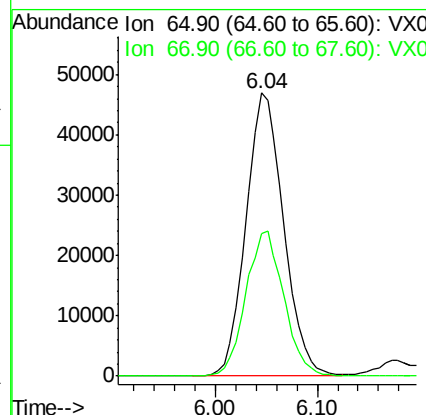
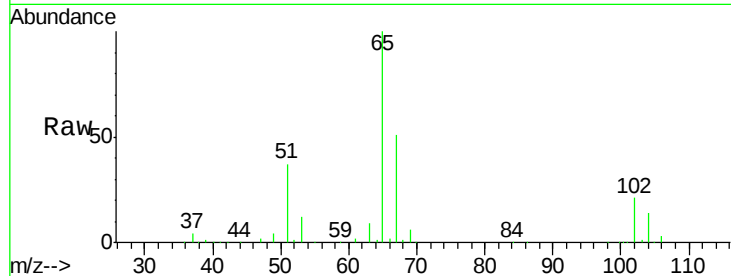
#33
 1,2-Dichloroethane-d4
 Concen: 43.019 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	101.2

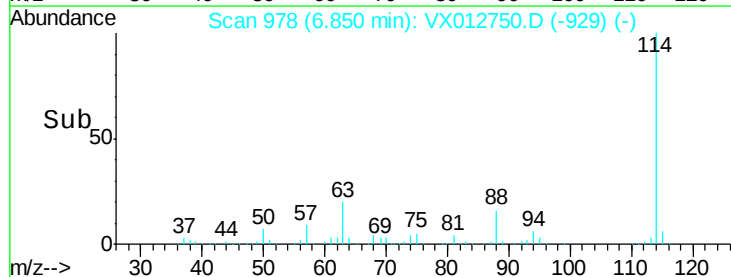
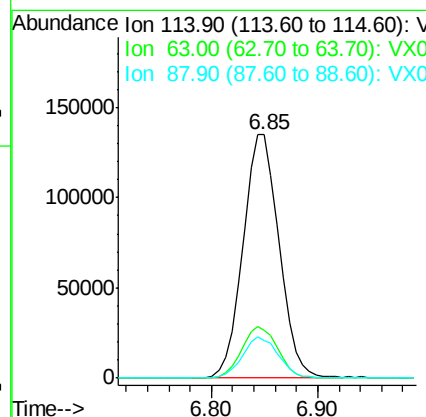
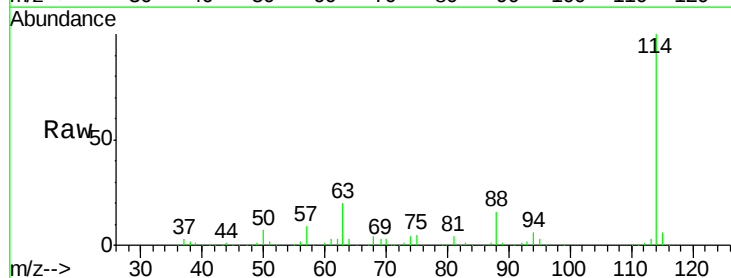
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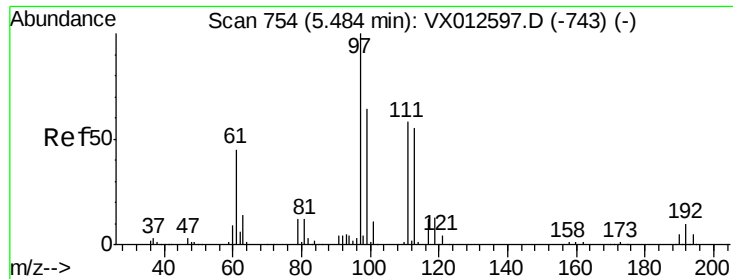
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.2
88	15.7	0.0	33.2





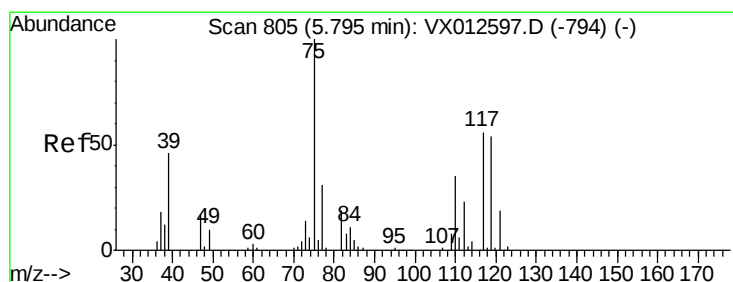
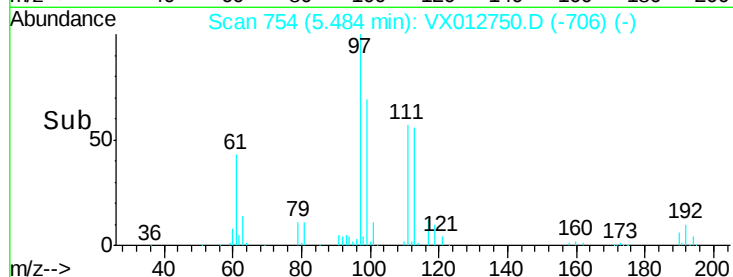
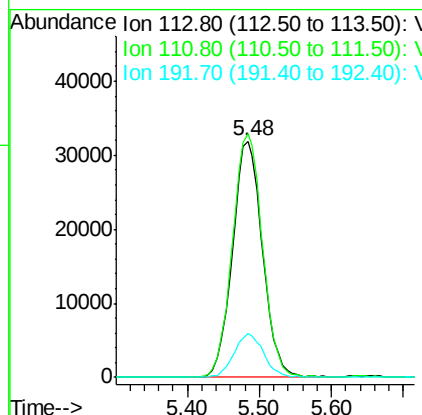
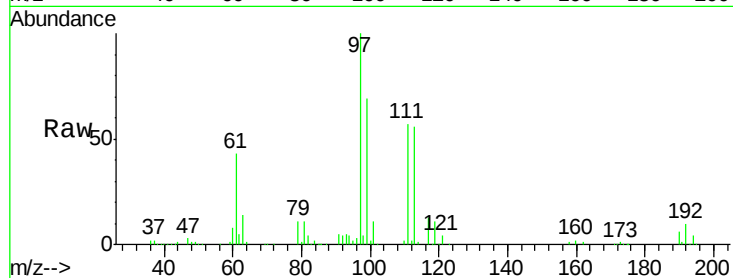
#35
Dibromofluoromethane
Concen: 48.116 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	92142		
111	103.7	83.4	125.2	
192	18.3	14.4	21.6	

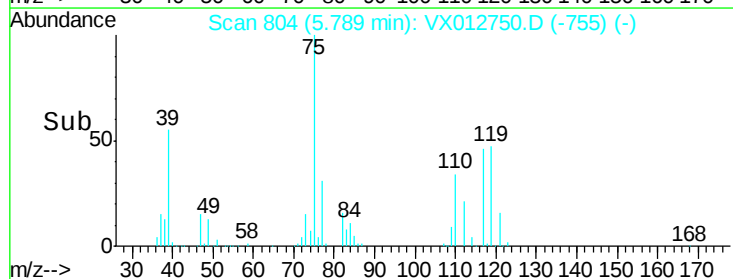
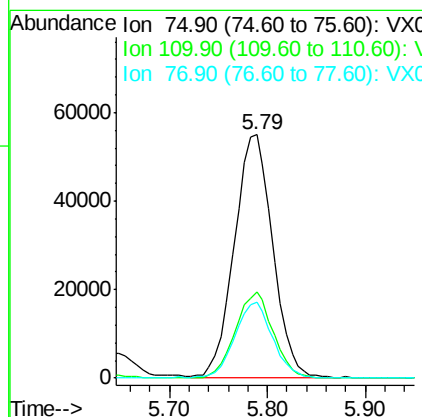
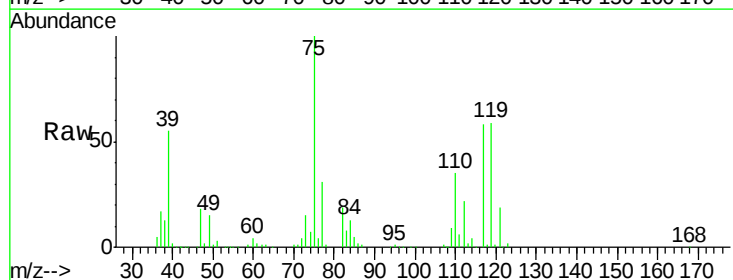
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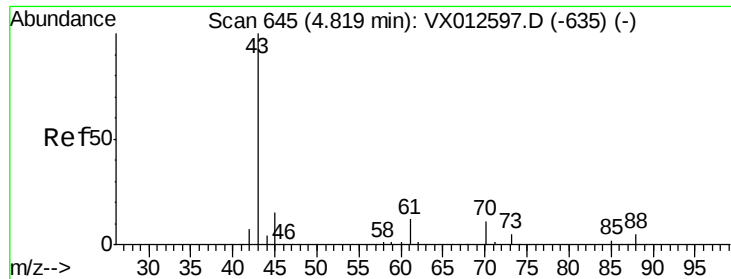
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#36
1,1-Dichloropropene
Concen: 47.950 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148618		
110	35.1	16.7	50.0	
77	31.0	24.2	36.2	





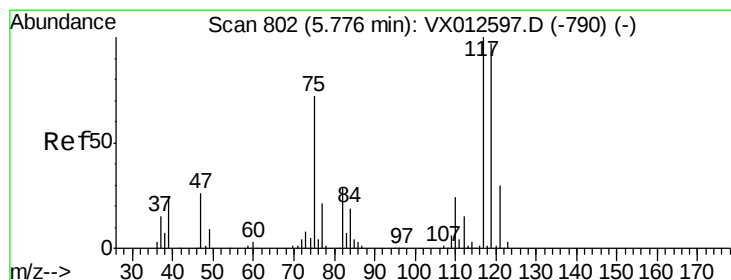
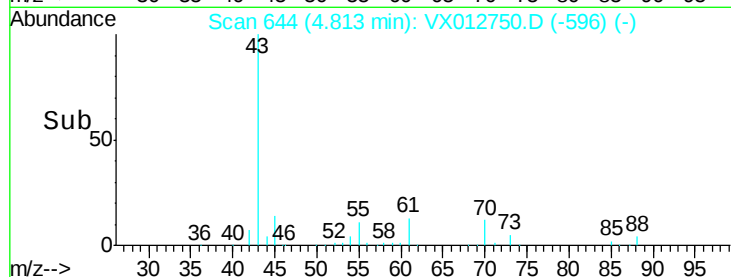
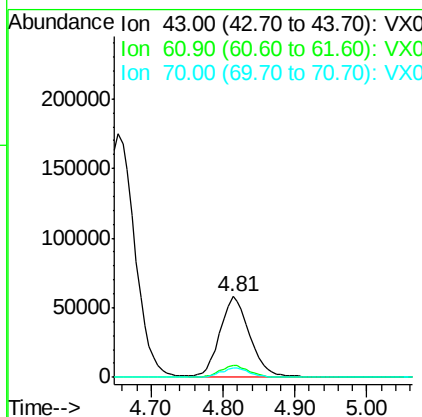
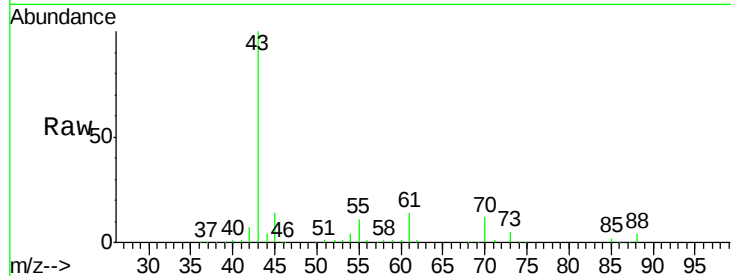
#37
Ethyl Acetate
Concen: 45.987 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.2	15.4
70	11.7	8.7	13.1

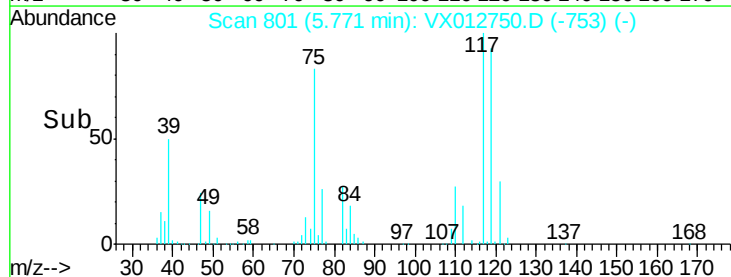
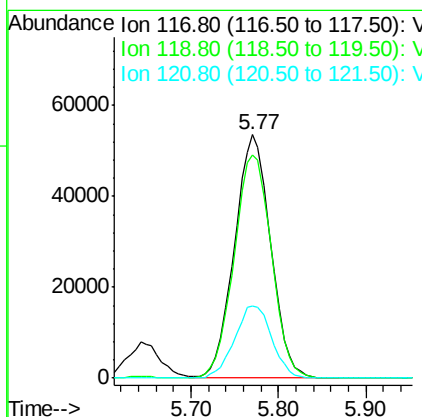
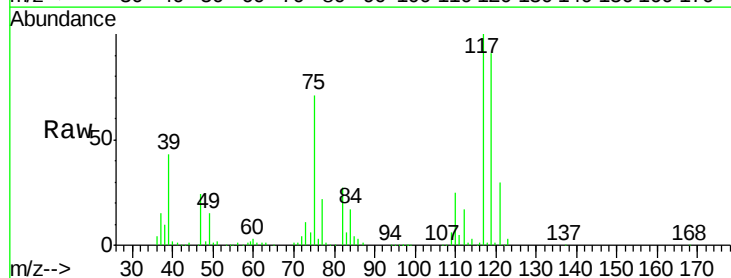
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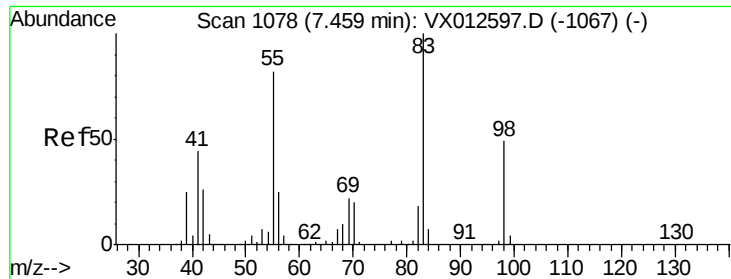
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#38
Carbon Tetrachloride
Concen: 48.850 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	75.7	113.5
121	29.8	24.2	36.4





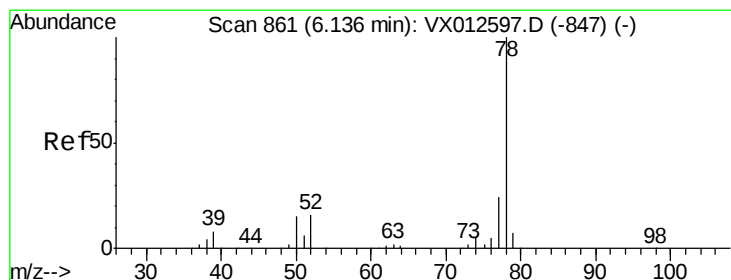
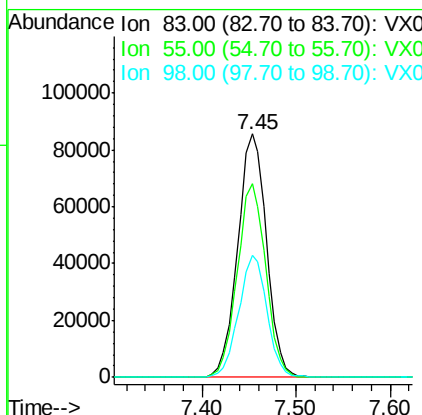
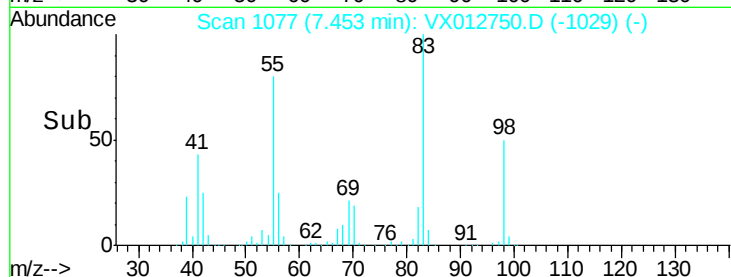
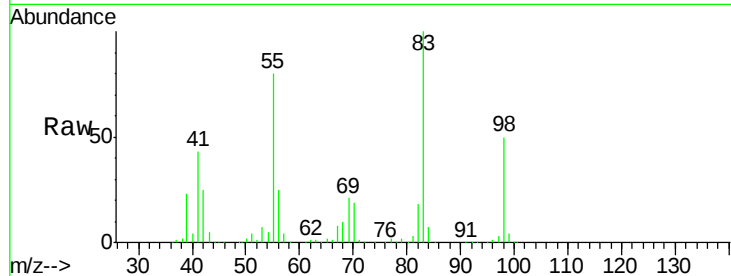
#39
Methvlcvclohexane
Concen: 49.036 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	182969		
55	79.7	64.4	96.6	
98	50.1	40.1	60.1	

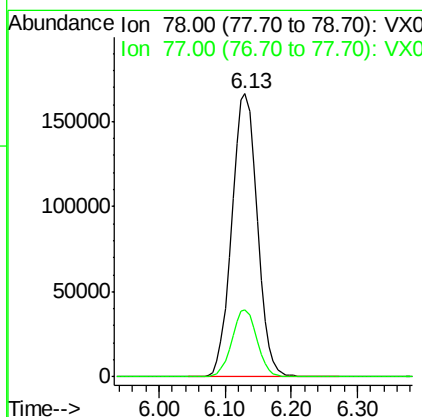
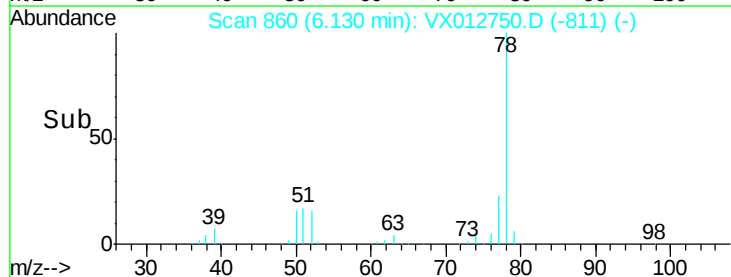
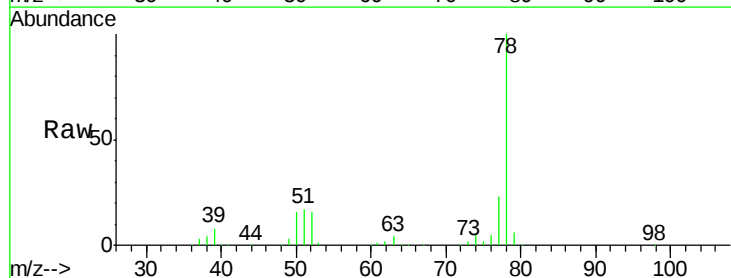
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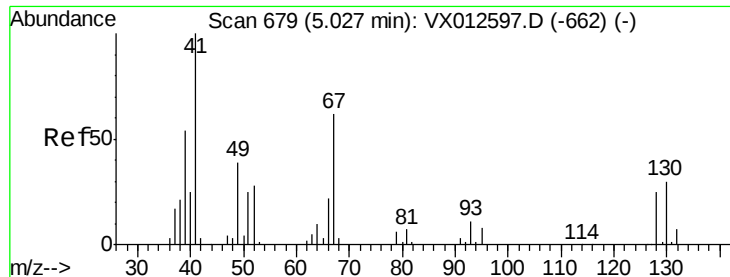
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#40
Benzene
Concen: 48.825 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	445260		
77	23.5	19.2	28.8	





#41

Methacrylonitrile

Concen: 46.748 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

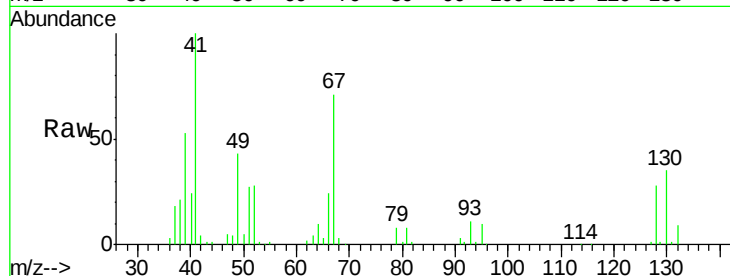
ClientSampleId :

VSTDCCC050

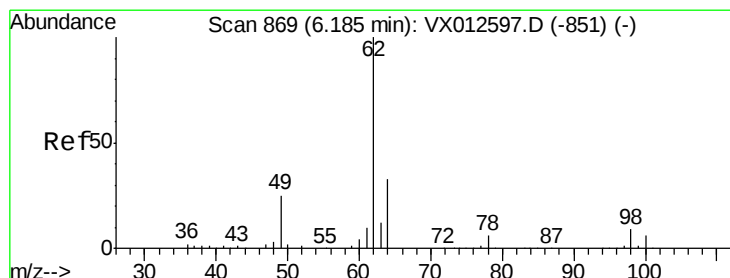
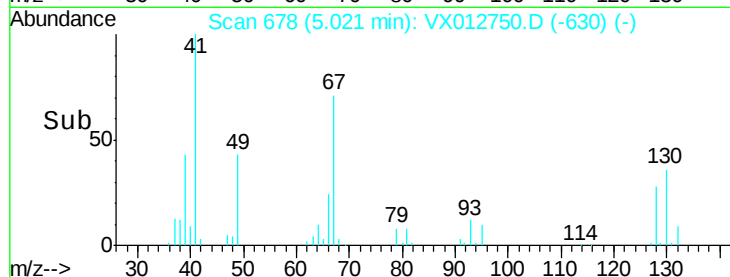
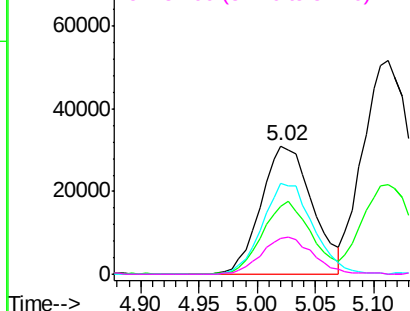
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	46.0	69.0	
67	69.8	52.2	78.2	
52	29.2	22.7	34.1	

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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: 47.593 ug/l

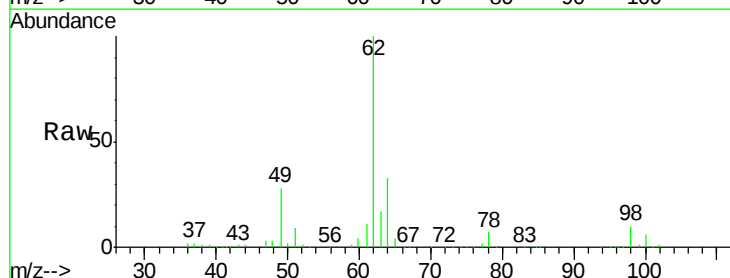
RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

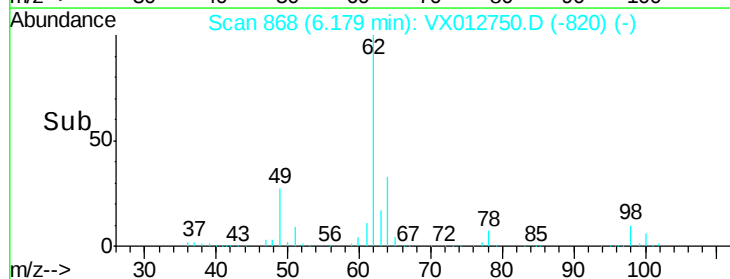
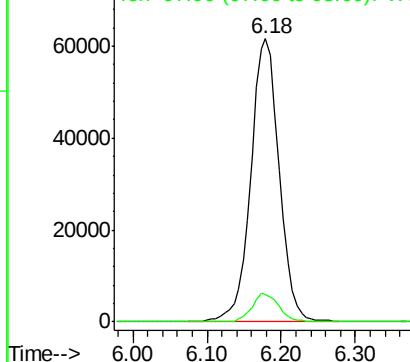
Lab File: VX012750.D

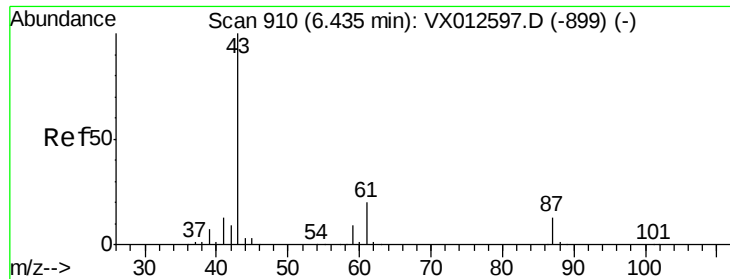
Acq: 02 Oct 2019 10:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	17.8	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





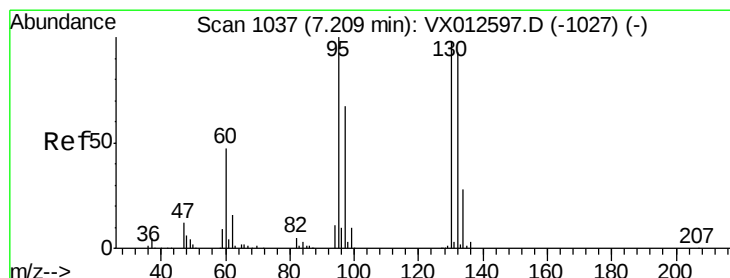
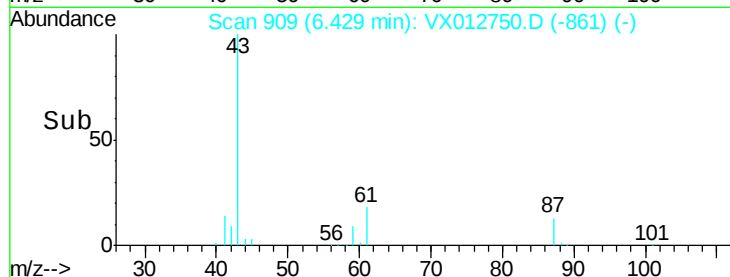
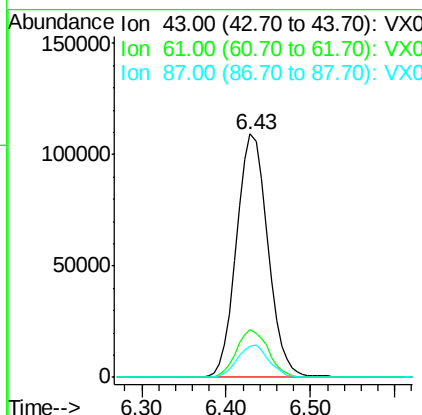
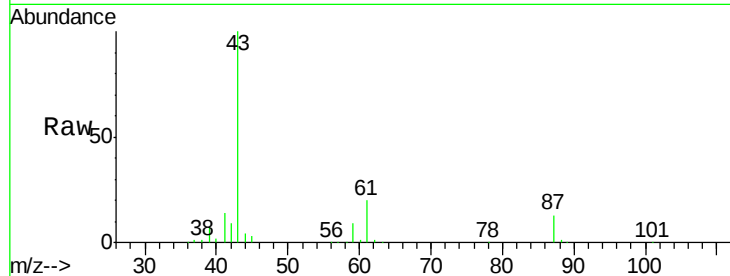
#43
Isopropyl Acetate
Concen: 45.252 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.4	23.0
87	13.2	9.8	14.8

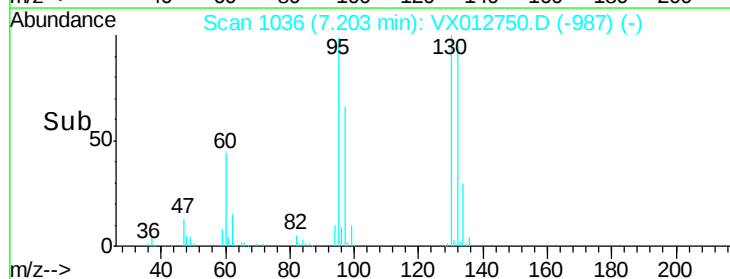
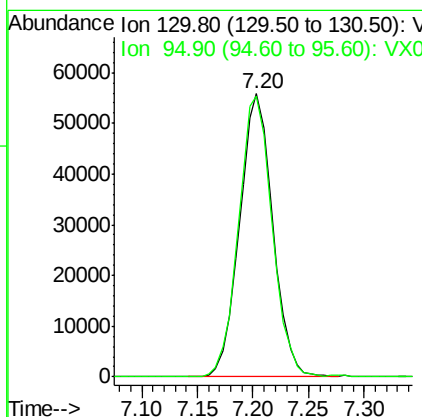
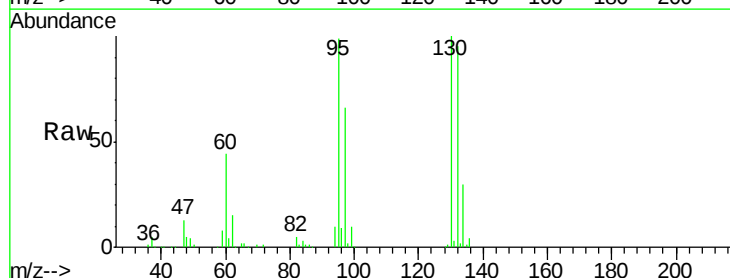
Manual Integrations
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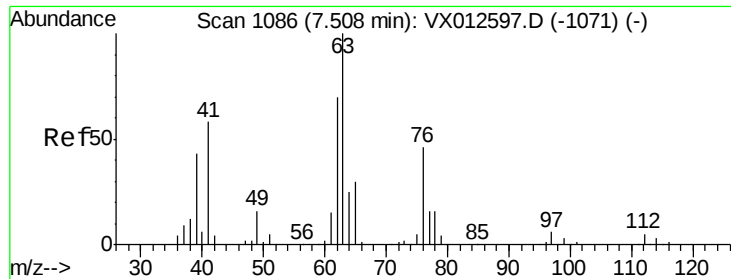
MMDadoda
10/3/2019 10:50:49 AM



#44
Trichloroethene
Concen: 49.603 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	193.0





#45

1,2-Dichloropropane

Concen: 49.126 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 114701

Ion Ratio Lower Upper

63 100

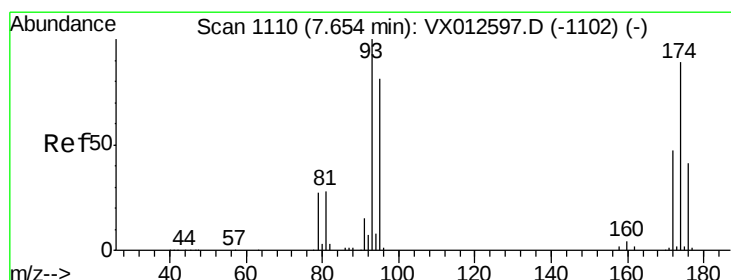
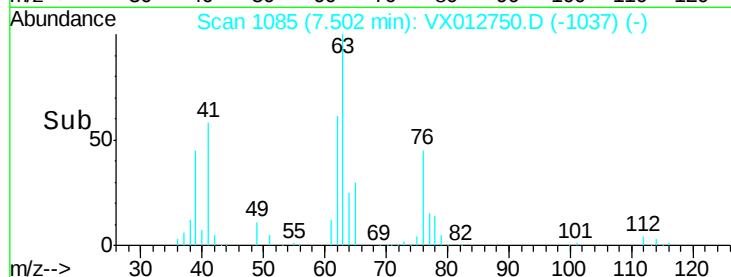
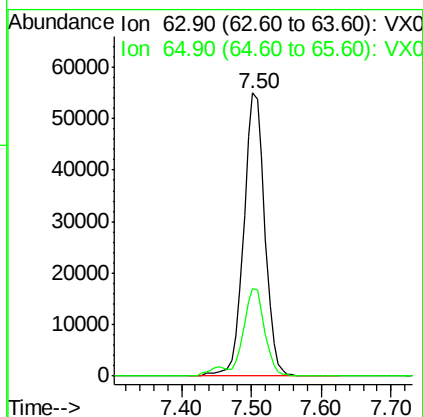
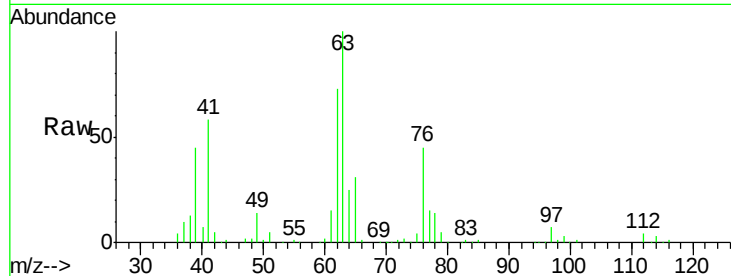
65 30.9 25.0 37.6

Manual Integrations

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MMDadoda

10/3/2019 10:50:49 AM



#46

Dibromomethane

Concen: 48.760 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

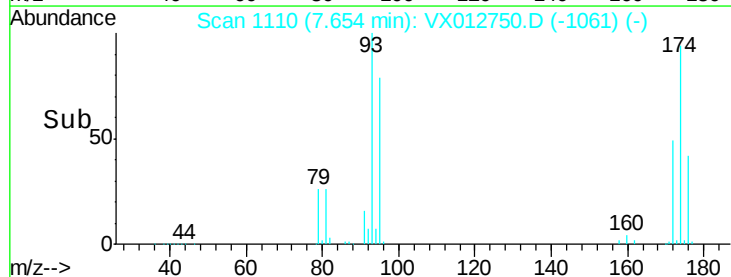
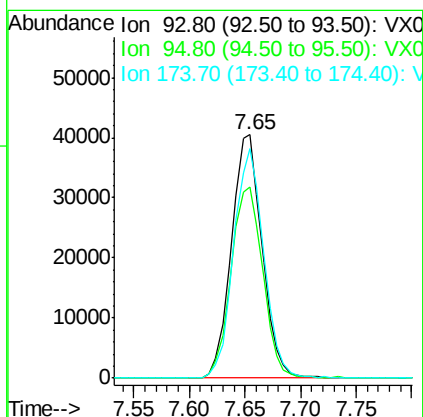
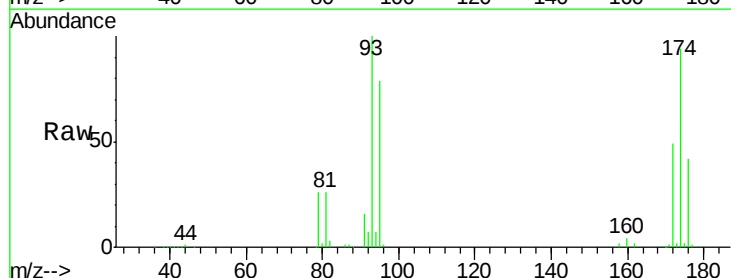
Tgt Ion: 93 Resp: 77513

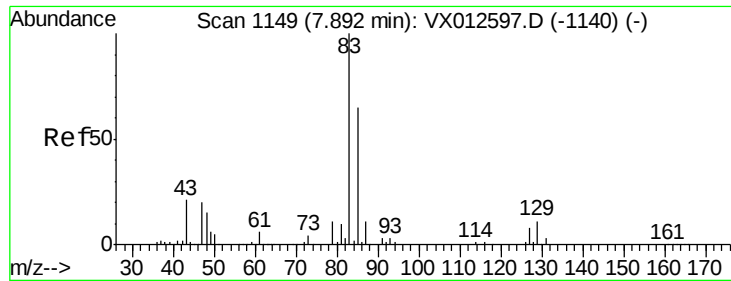
Ion Ratio Lower Upper

93 100

95 81.0 66.6 100.0

174 92.7 77.4 116.0





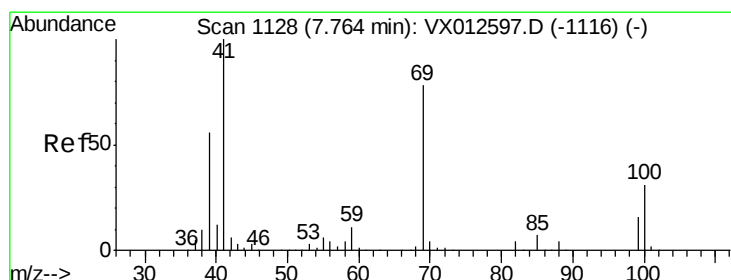
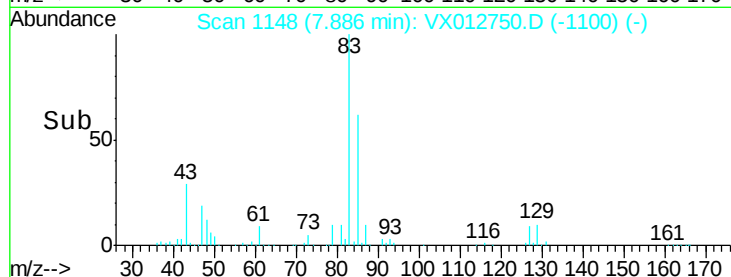
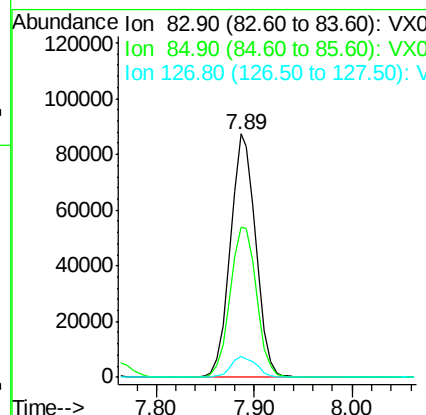
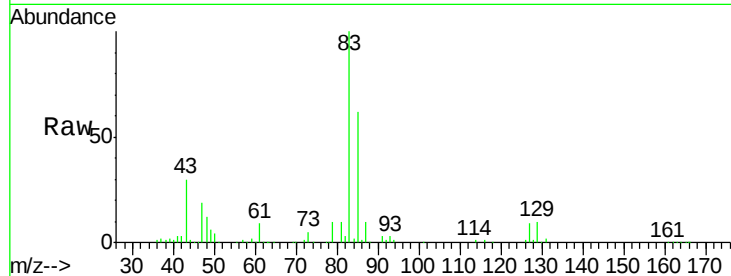
#47
Bromodichloromethane
Concen: 49.222 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	156384		
85	61.9		51.8	77.6
127	8.5		7.3	10.9

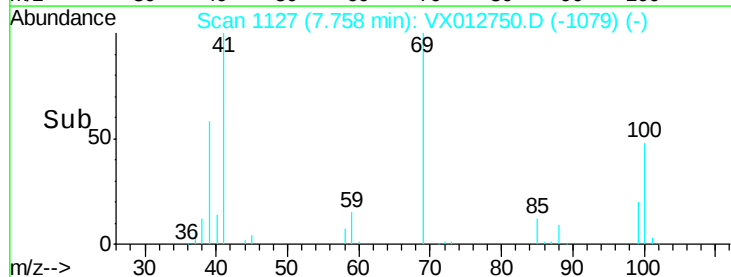
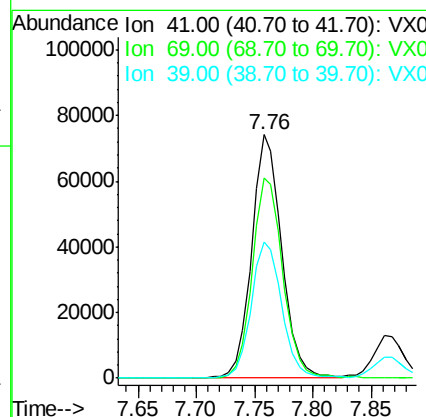
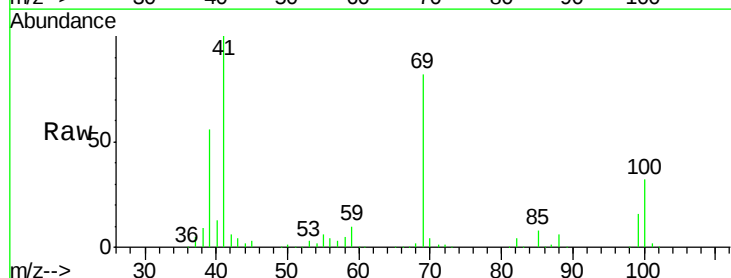
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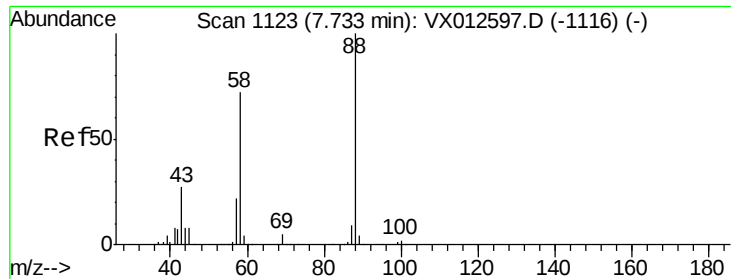
MMDadoda
10/3/2019 10:50:49 AM



#48
Methyl methacrylate
Concen: 45.968 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	133567		
69	83.8		59.9	89.9
39	56.9		47.8	71.6





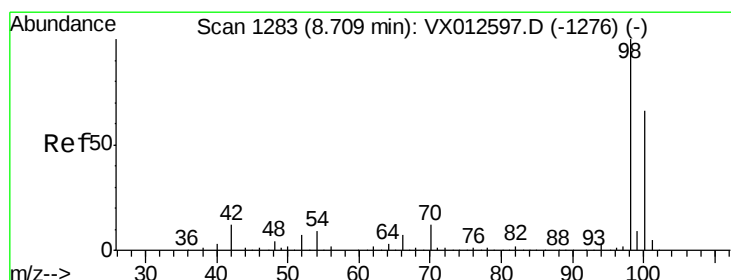
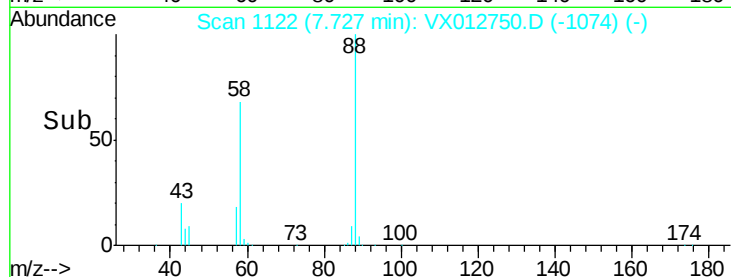
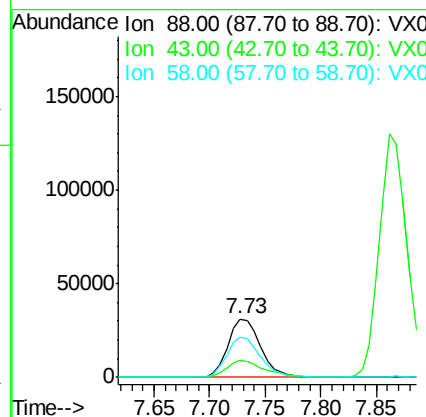
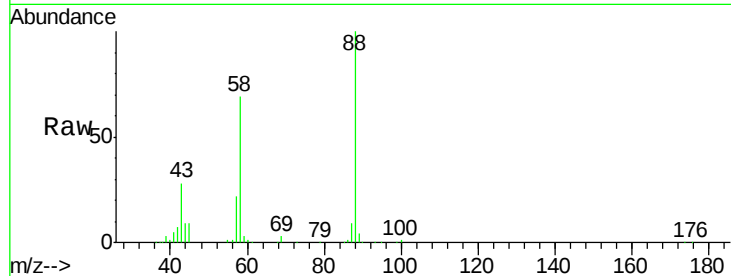
#49
1,4-Dioxane
Concen: 963.080 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	29.4	44.0
58	71.3	57.5	86.3

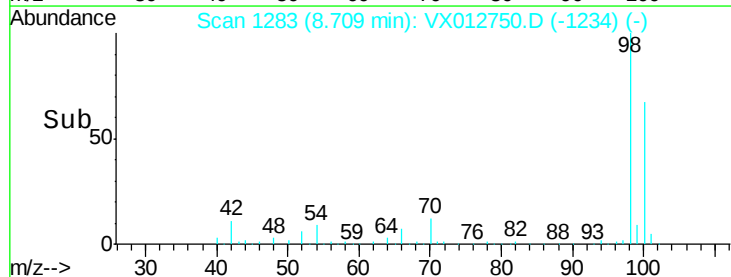
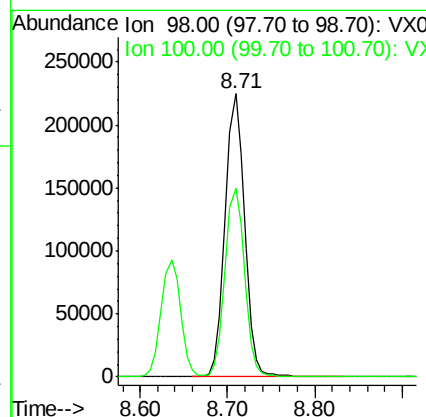
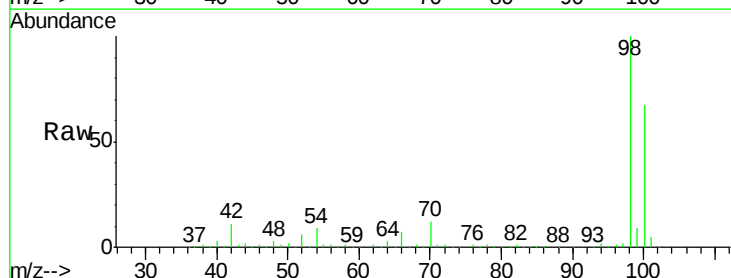
Manual Integrations
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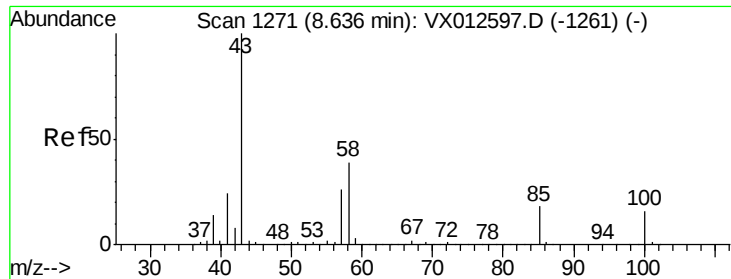
MMDadoda
10/3/2019 10:50:49 AM



#50
Toluene-d8
Concen: 47.074 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 231.260 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 865056

Ion Ratio Lower Upper

43 100

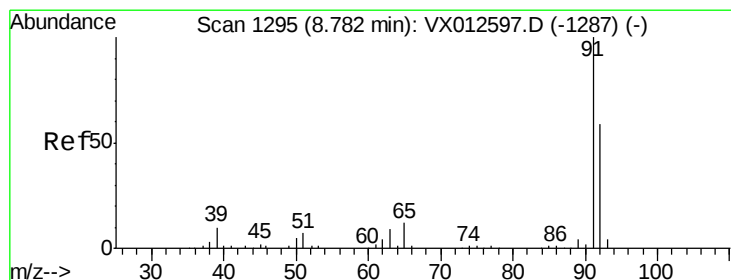
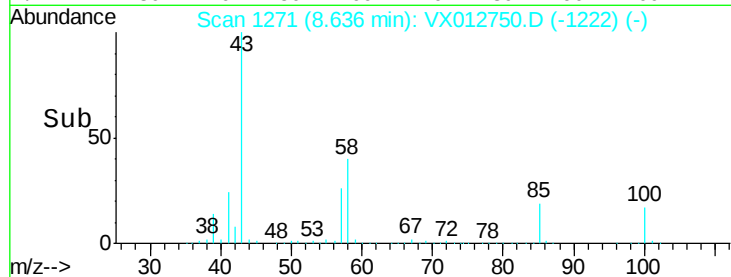
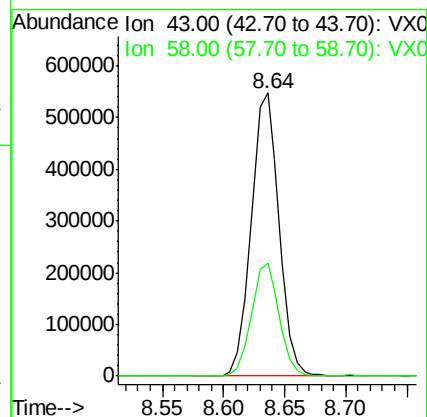
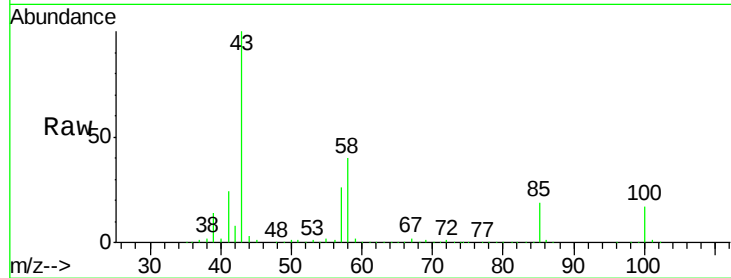
58 39.5 29.8 44.6

Manual Integrations

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MMDadoda

10/3/2019 10:50:49 AM



#52

Toluene

Concen: 49.732 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012750.D

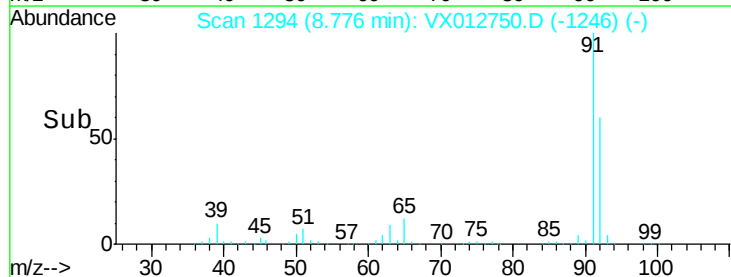
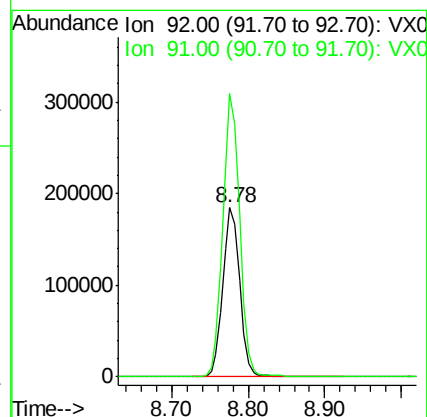
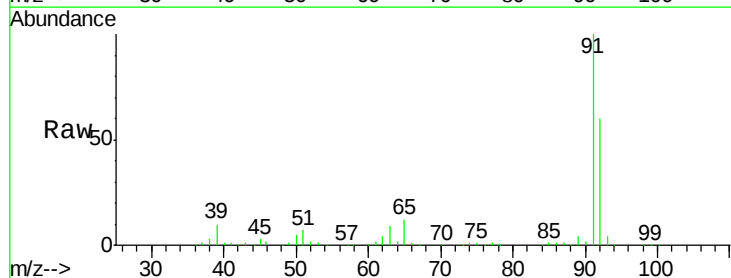
Acq: 02 Oct 2019 10:03

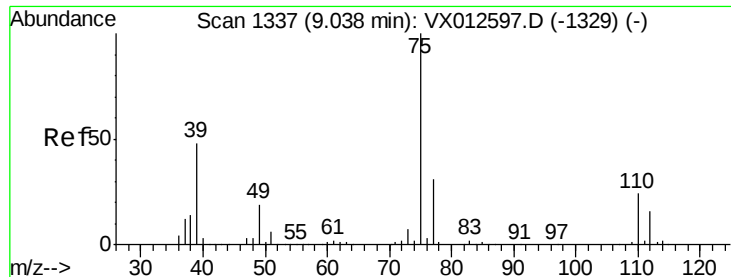
Tgt Ion: 92 Resp: 285047

Ion Ratio Lower Upper

92 100

91 166.4 135.4 203.0





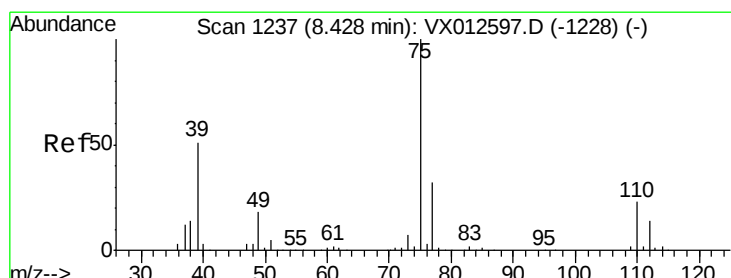
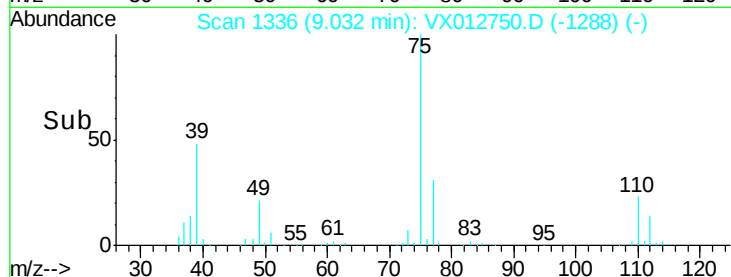
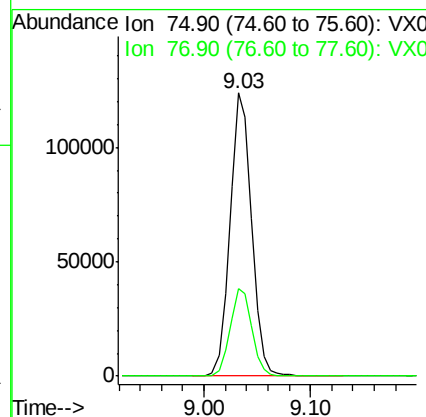
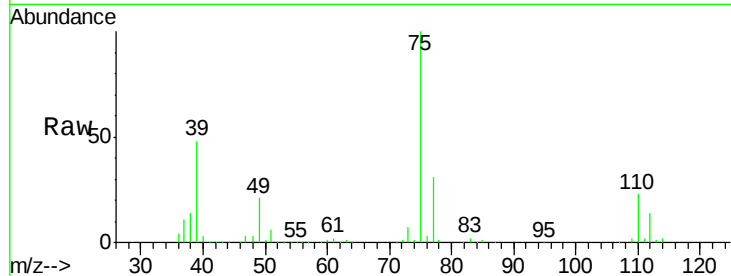
#53
 t-1,3-Dichloropropene
 Concen: 50.049 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 175934
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.2 37.8

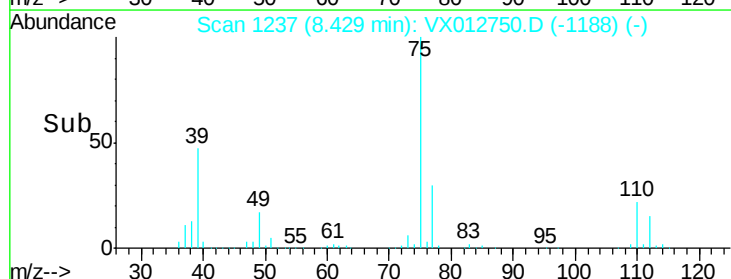
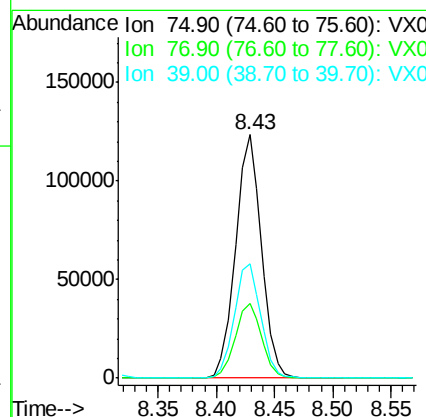
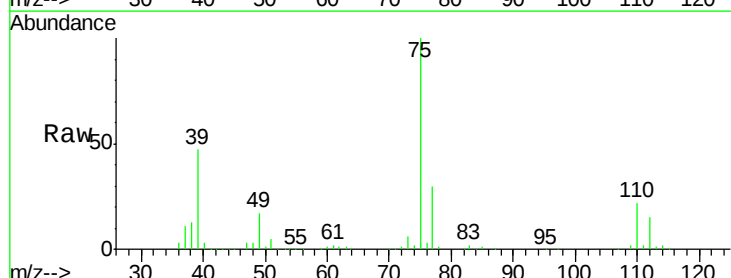
Manual Integrations
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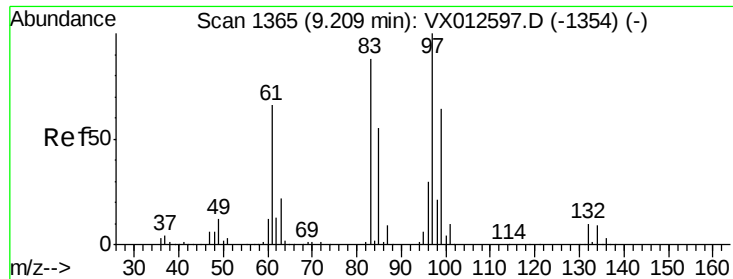
MMDadoda
 10/3/2019 10:50:49 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.664 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Tgt Ion: 75 Resp: 190615
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.8 38.8
 39 46.9 45.5 68.3





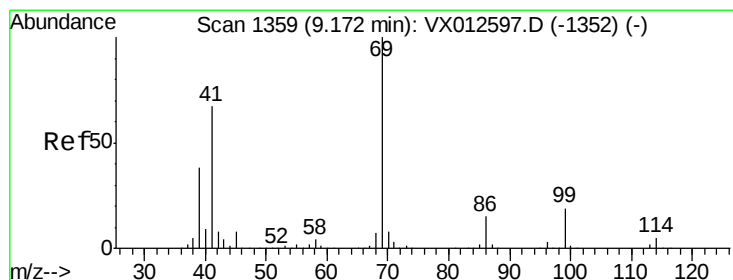
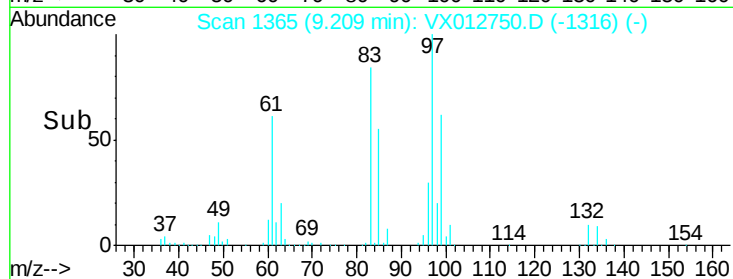
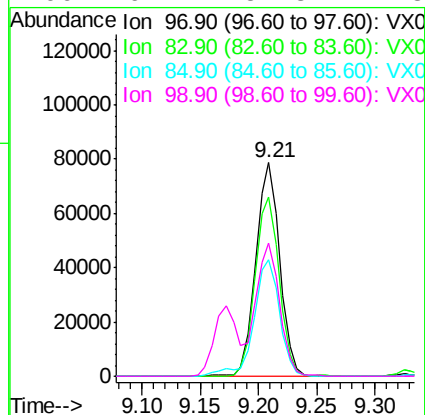
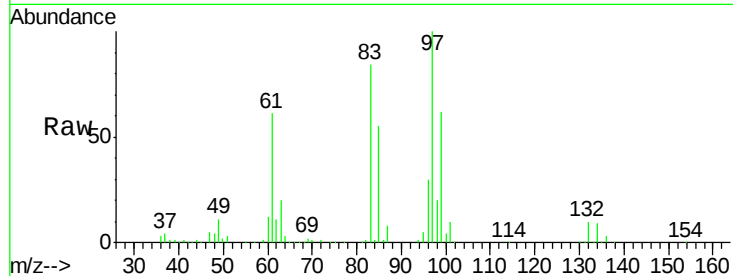
#55
 1,1,2-Trichloroethane
 Concen: 49.810 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	83.8	67.4	101.2		
85	54.6	43.5	65.3		
99	62.1	51.8	77.8		

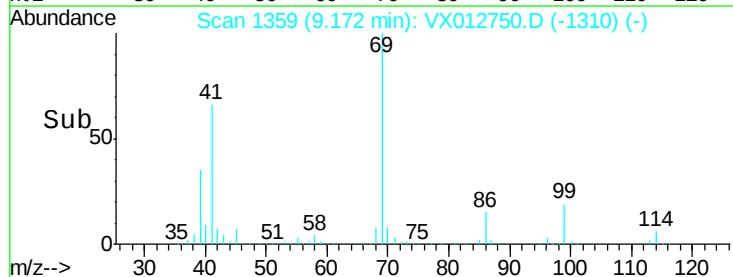
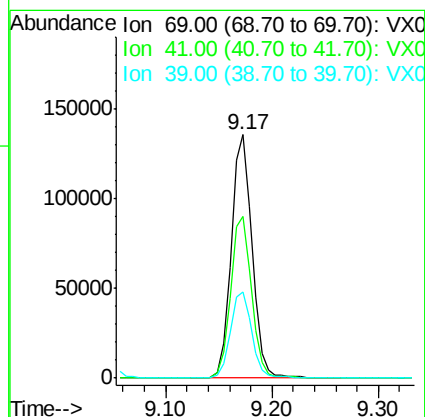
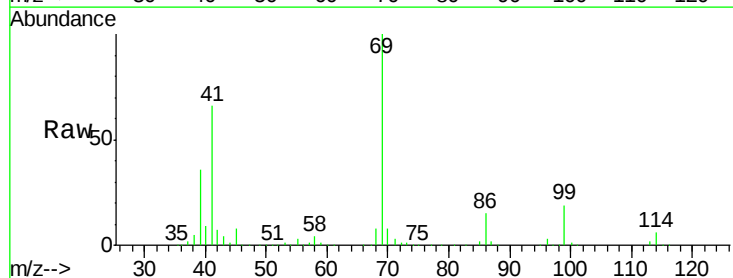
Manual Integrations
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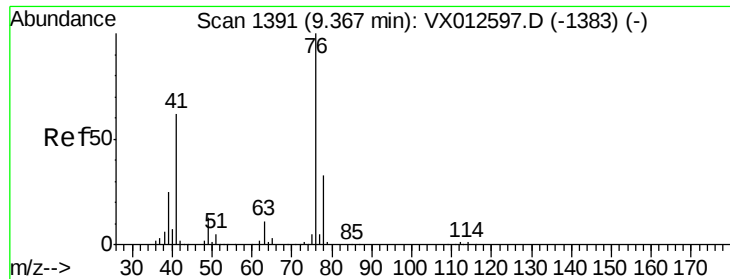
MMDadoda
 10/3/2019 10:50:49 AM



#56
 Ethyl methacrylate
 Concen: 48.695 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	66.6	58.4	87.6		
39	36.4	33.4	50.0		





#57

1,3-Dichloropropane

Concen: 49.071 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 195705

Ion Ratio Lower Upper

76 100

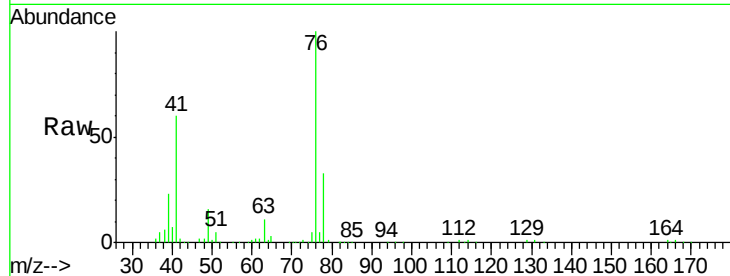
78 32.5 26.2 39.2

Manual Integrations

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MMDadoda

10/3/2019 10:50:49 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

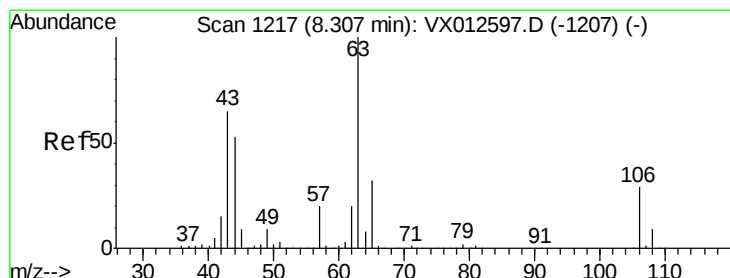
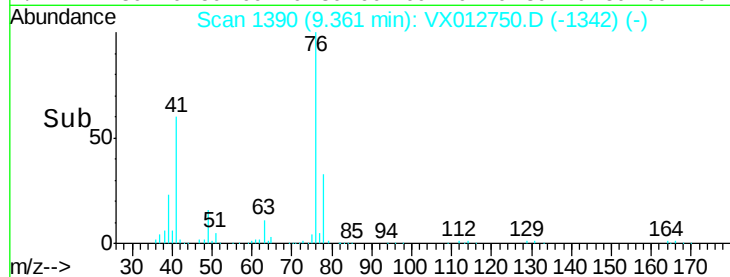
9.36

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 245.636 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX012750.D

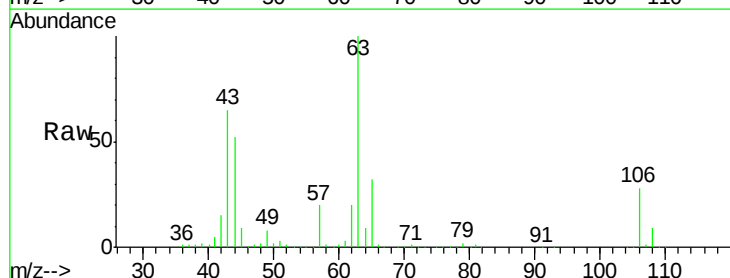
Acq: 02 Oct 2019 10:03

Tgt Ion: 63 Resp: 422109

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

300000

250000

200000

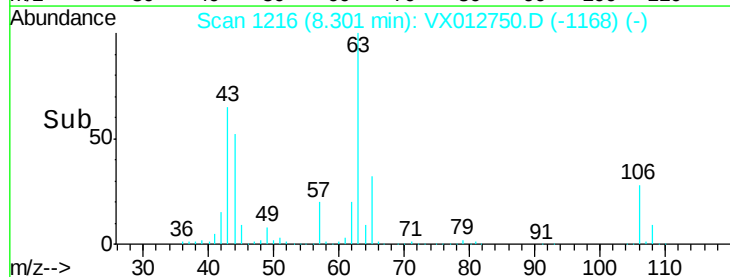
150000

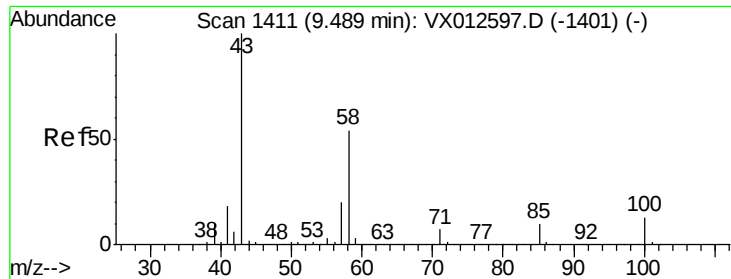
100000

50000

0

Time-->





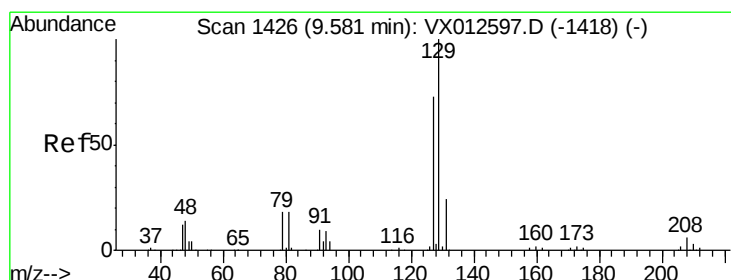
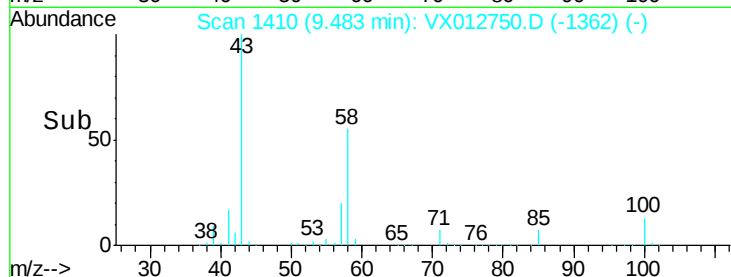
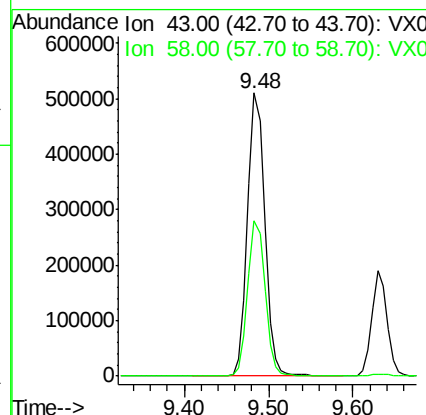
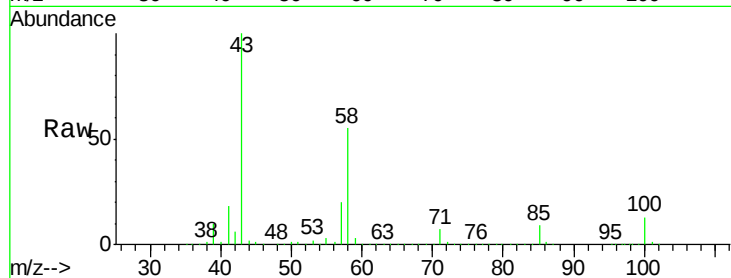
#59
2-Hexanone
Concen: 244.395 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 699756
Ion Ratio Lower Upper
43 100
58 55.4 25.7 77.1

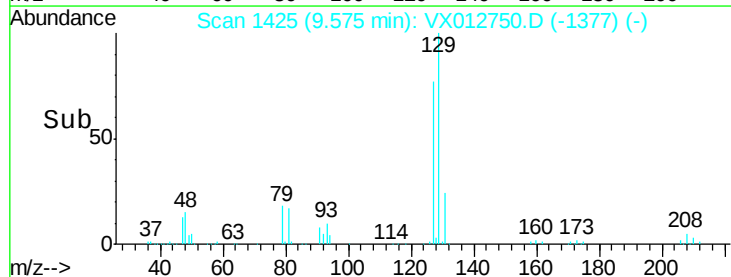
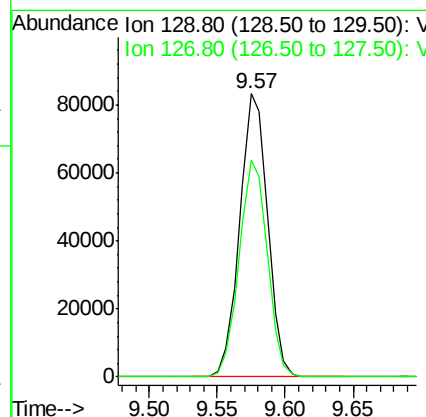
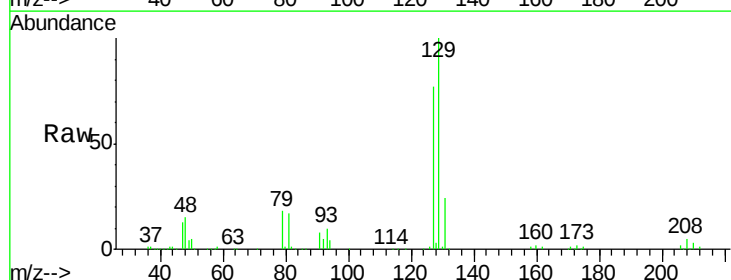
Manual Integrations
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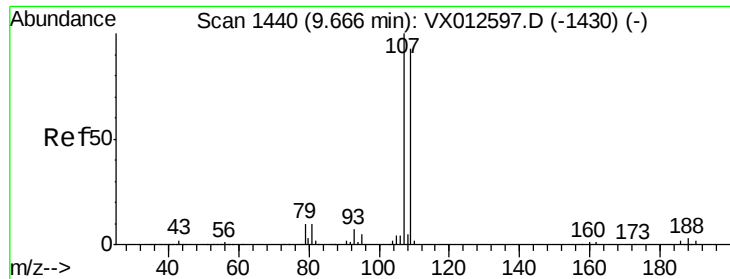
MMDadoda
10/3/2019 10:50:49 AM



#60
Dibromochloromethane
Concen: 51.629 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion: 129 Resp: 119096
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 49.807 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 118121

Ion Ratio Lower Upper

107 100

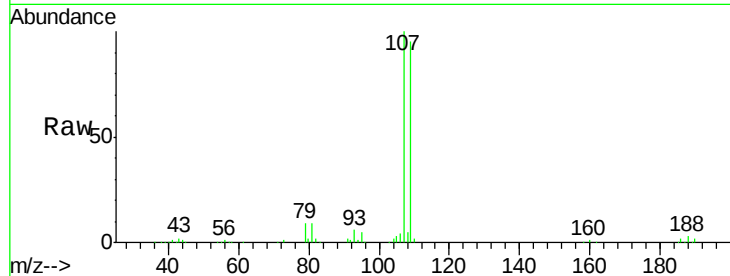
109 94.5 74.7 112.1

Manual Integrations

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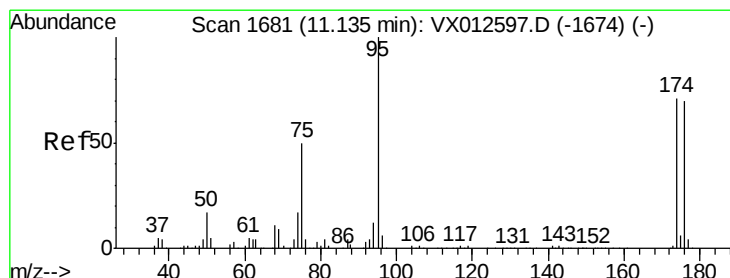
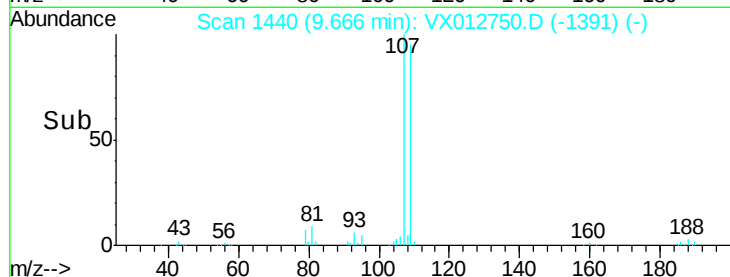
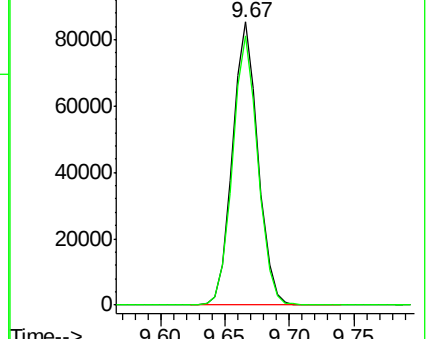
MMDadoda

10/3/2019 10:50:49 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.056 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

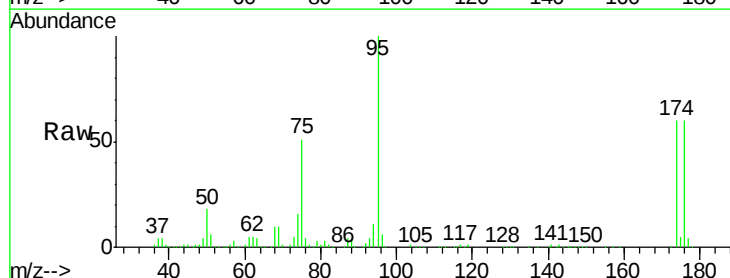
Tgt Ion: 95 Resp: 136453

Ion Ratio Lower Upper

95 100

174 68.4 0.0 140.0

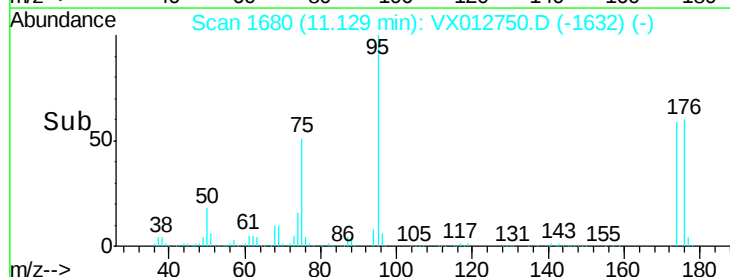
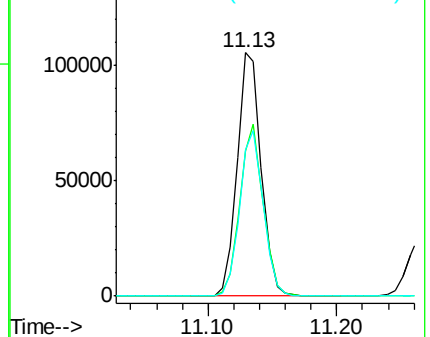
176 66.9 0.0 135.4

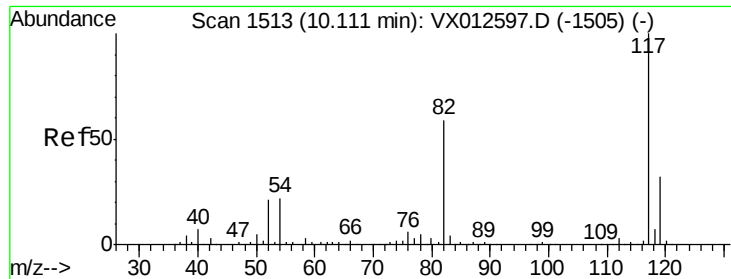


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





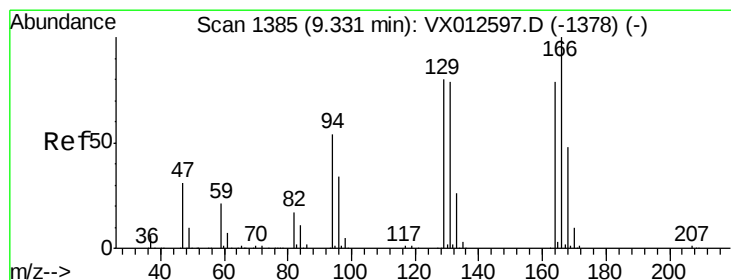
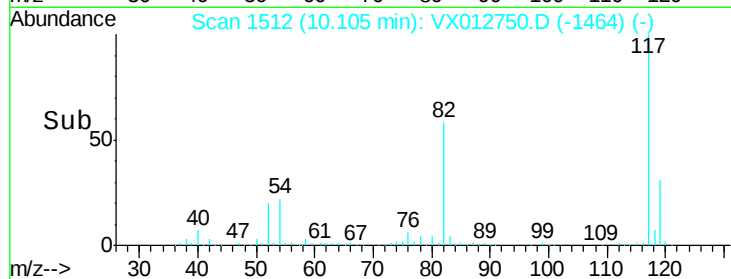
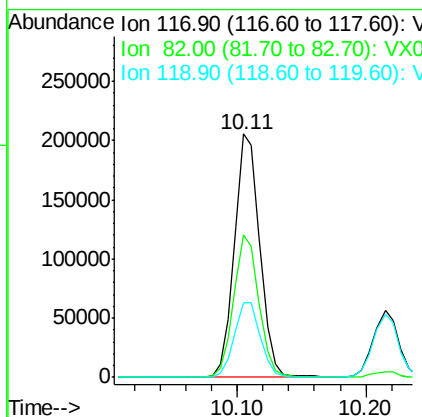
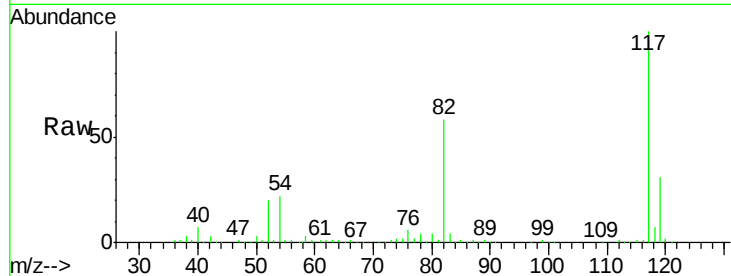
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.9	68.9
119	30.6	25.3	37.9

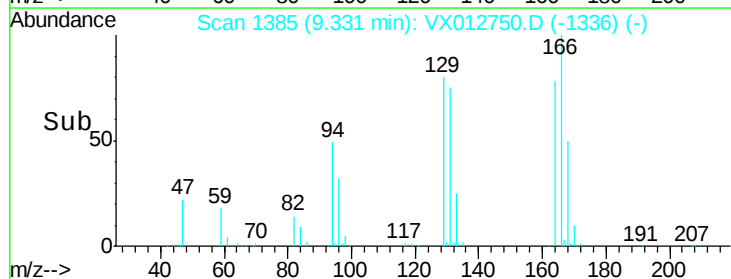
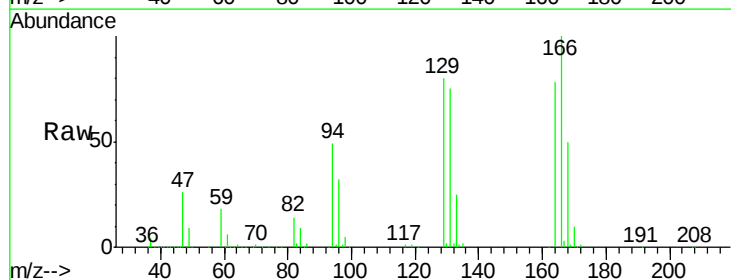
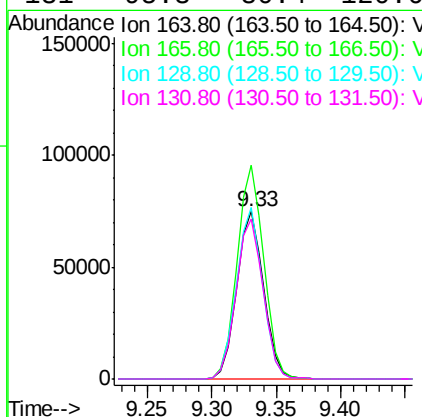
Manual Integrations
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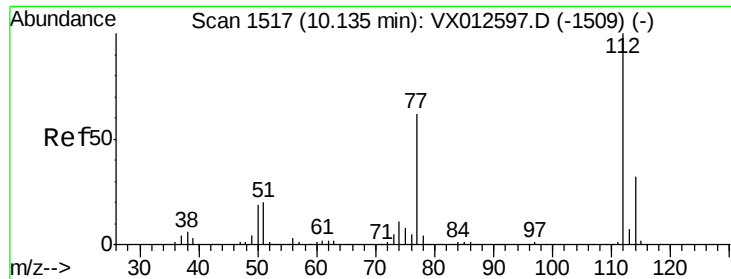
MMDadoda
10/3/2019 10:50:49 AM



#64
Tetrachloroethene
Concen: 54.778 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	107.8	161.6
129	102.1	86.2	129.2
131	95.3	80.4	120.6





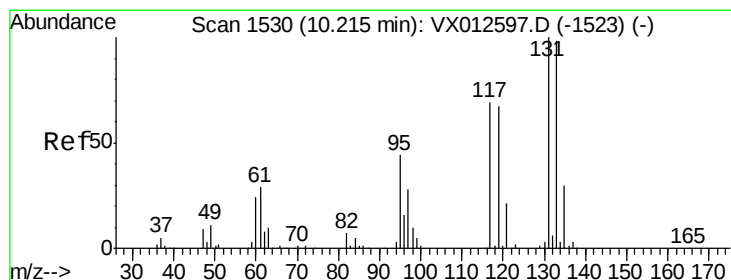
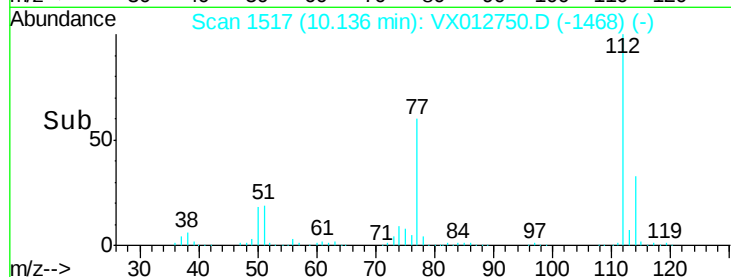
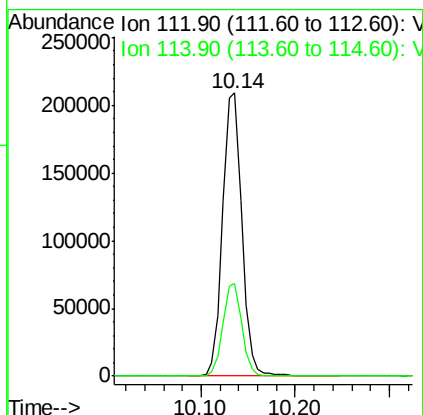
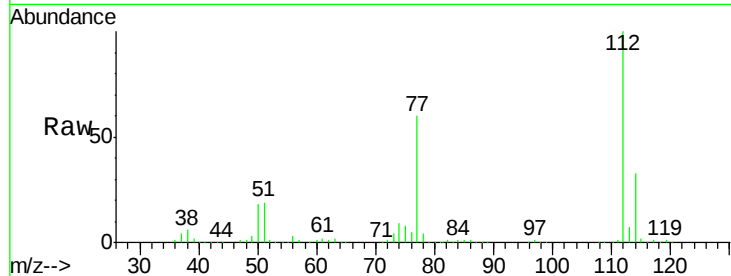
#65
Chlorobenzene
Concen: 49.770 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 296852
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0

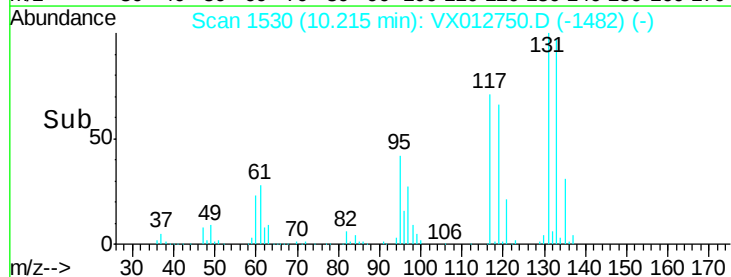
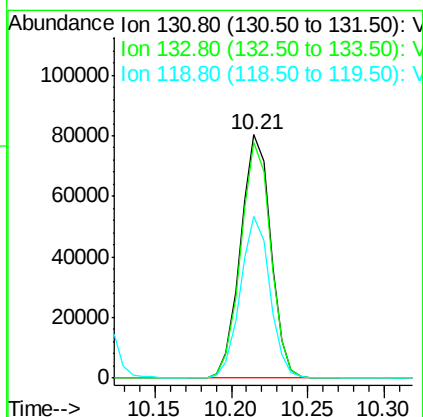
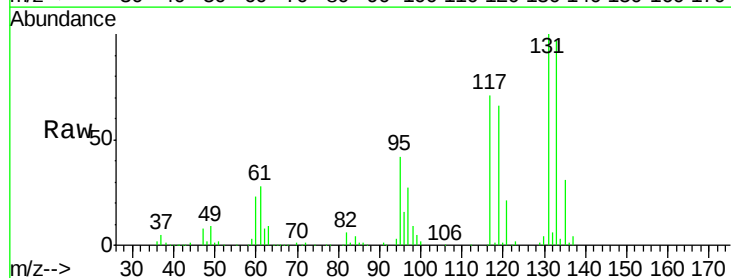
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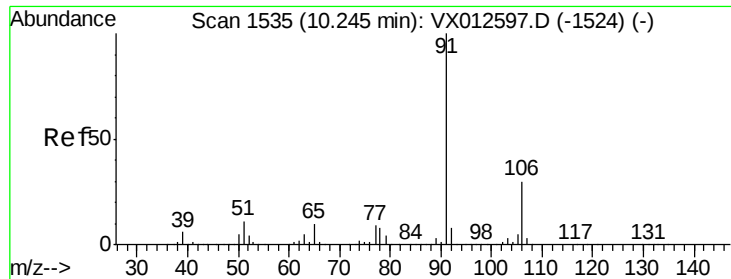
MMDadoda
10/3/2019 10:50:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.071 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion:131 Resp: 110369
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.9
119 65.1 31.3 93.8





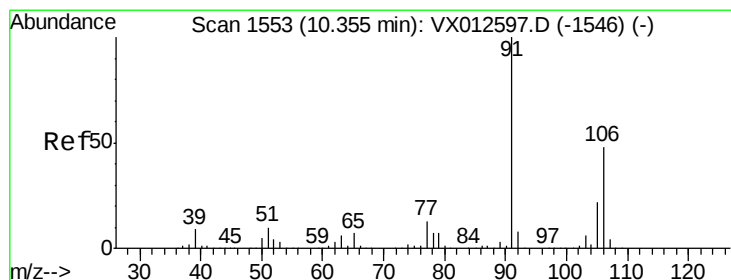
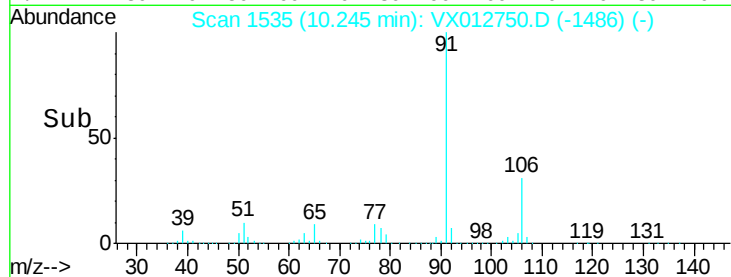
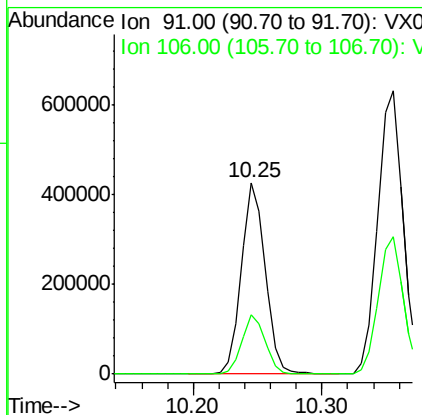
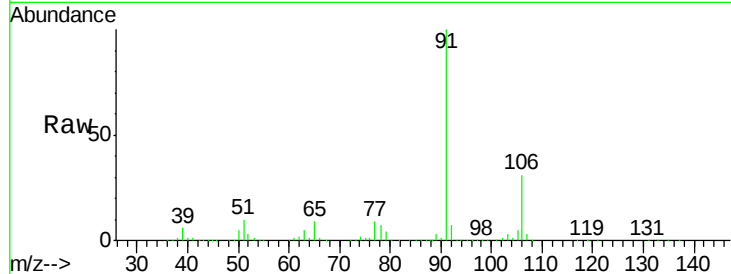
#67
Ethyl Benzene
Concen: 50.479 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 546079
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0

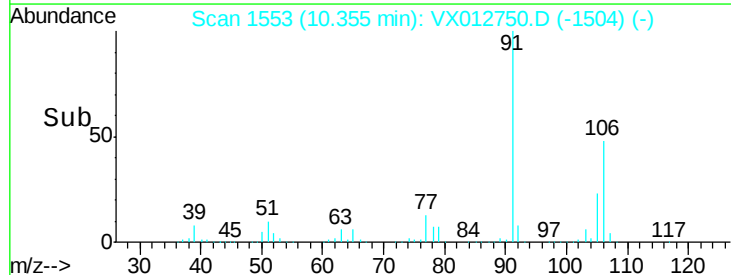
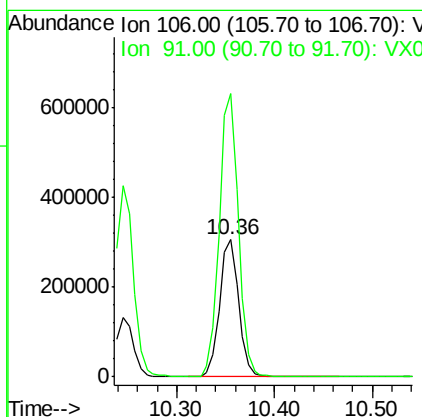
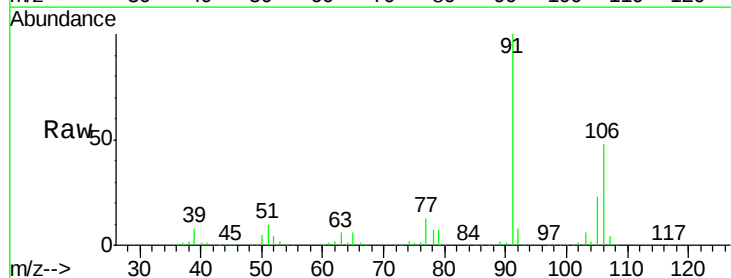
Manual Integrations
APPROVED

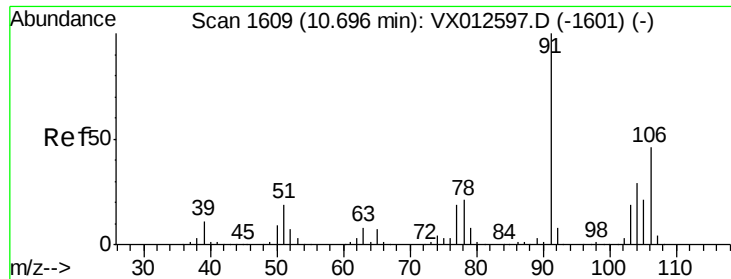
MMDadoda
10/3/2019 10:50:49 AM



#68
m/p-Xylenes
Concen: 101.897 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion: 106 Resp: 412934
Ion Ratio Lower Upper
106 100
91 207.0 166.6 250.0





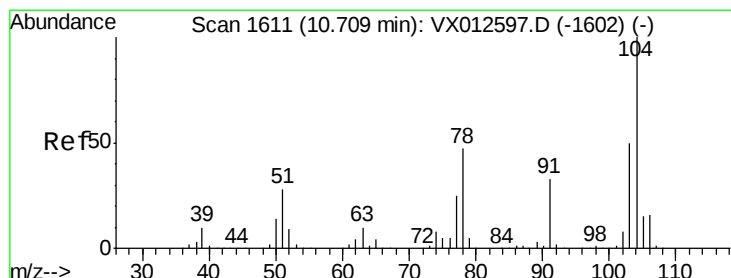
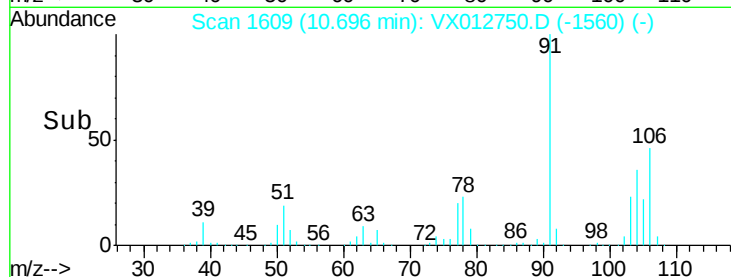
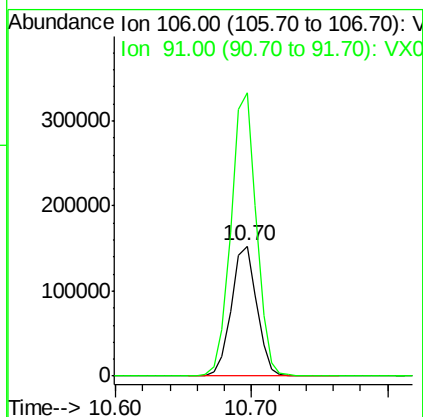
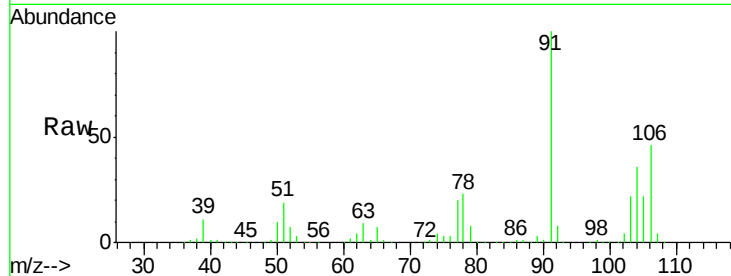
#69
o-Xylene
Concen: 50.697 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 198794
Ion Ratio Lower Upper
106 100
91 216.5 109.4 328.2

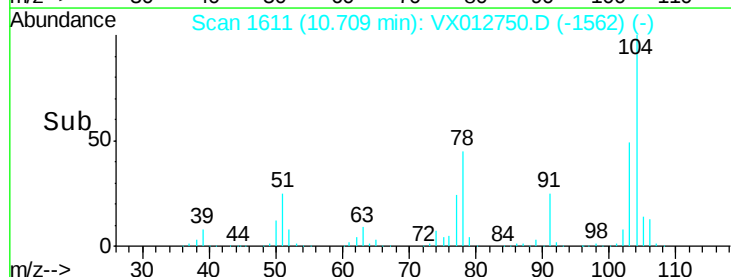
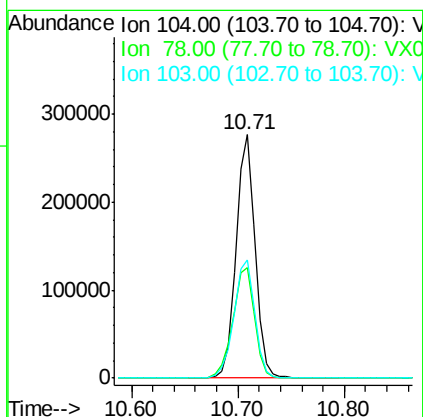
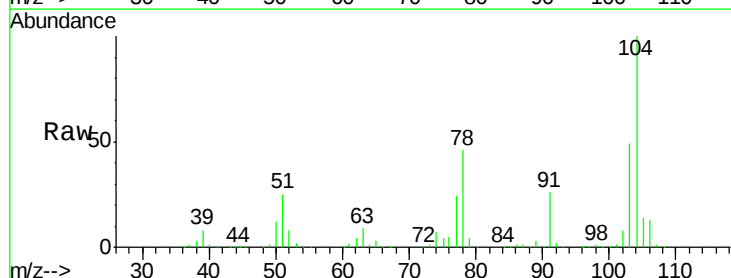
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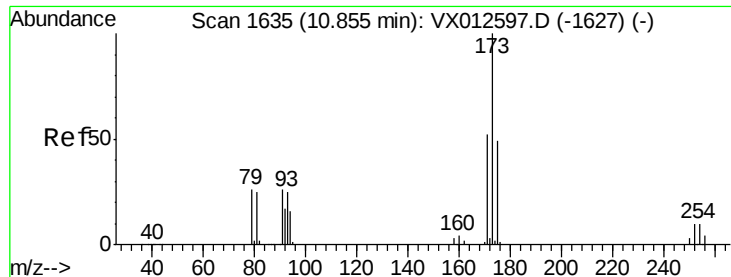
MMDadoda
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#70
Styrene
Concen: 52.832 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion:104 Resp: 347296
Ion Ratio Lower Upper
104 100
78 52.3 43.4 65.2
103 53.8 43.3 64.9





#71

Bromoform

Concen: 53.461 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

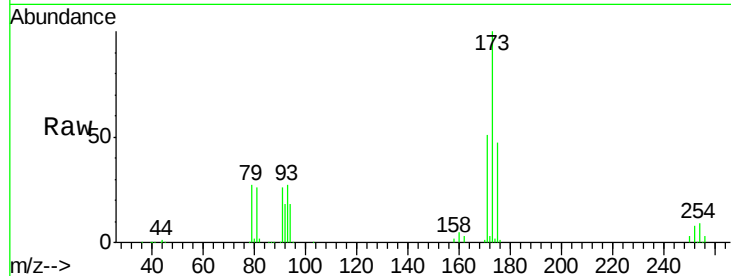
ClientSampleId :

VSTDCCC050

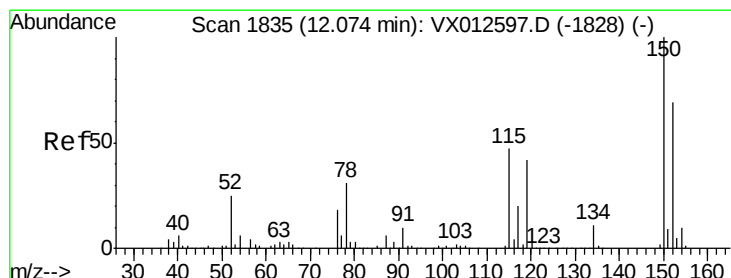
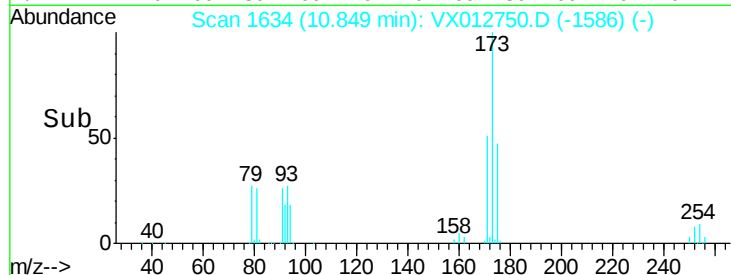
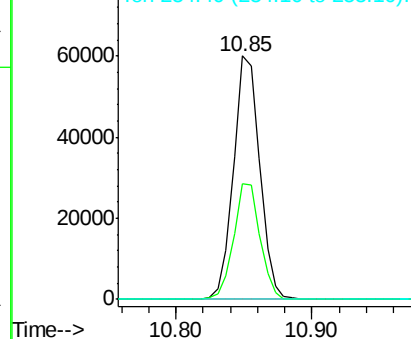
Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	47.9	23.7	71.1	
254	0.1	0.1	0.1	

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

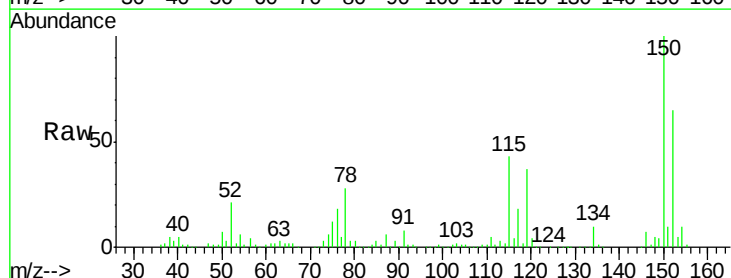
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

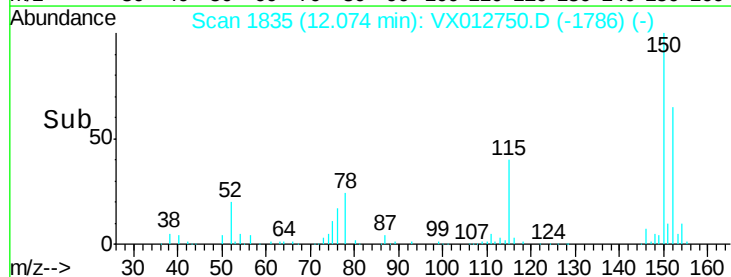
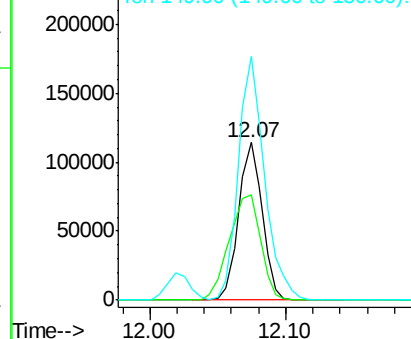
Lab File: VX012750.D

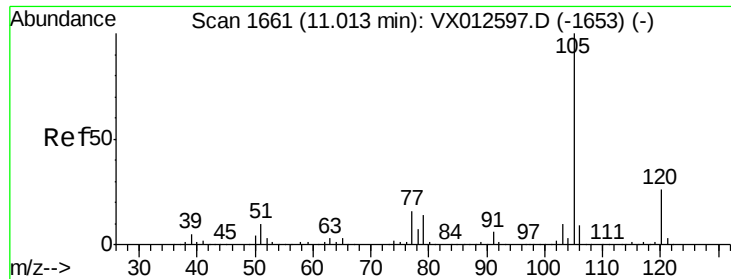
Acq: 02 Oct 2019 10:03

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	89.1	44.1	132.3	
150	172.3	0.0	343.8	



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





#73

Isopropylbenzene

Concen: 48.346 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 540650

Ion Ratio Lower Upper

105 100

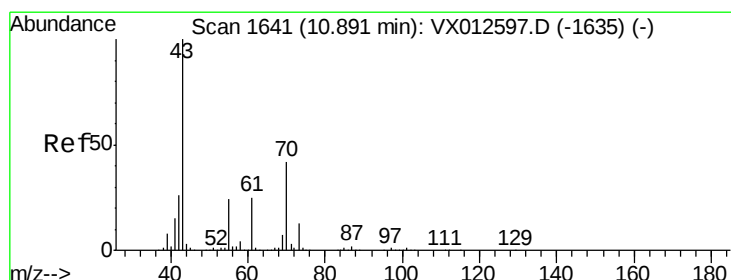
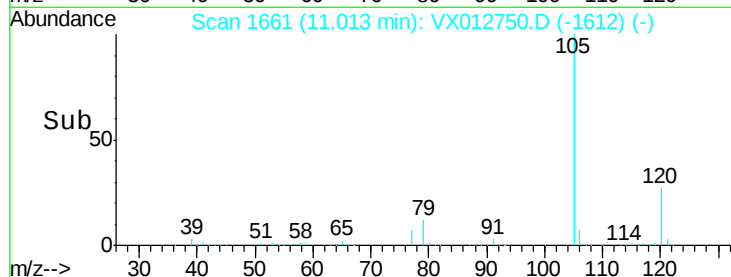
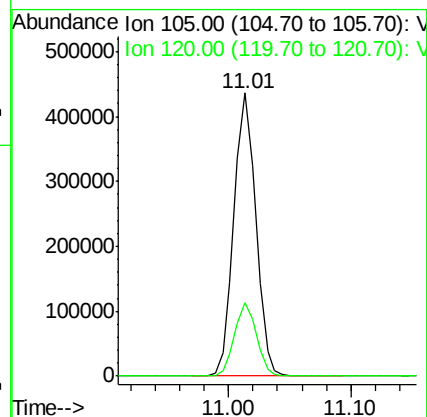
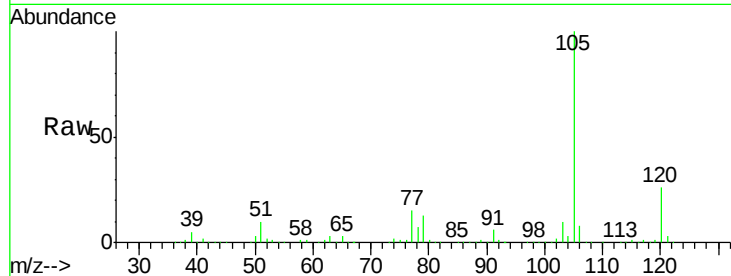
120 25.9 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.237 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Tgt Ion: 43 Resp: 241340

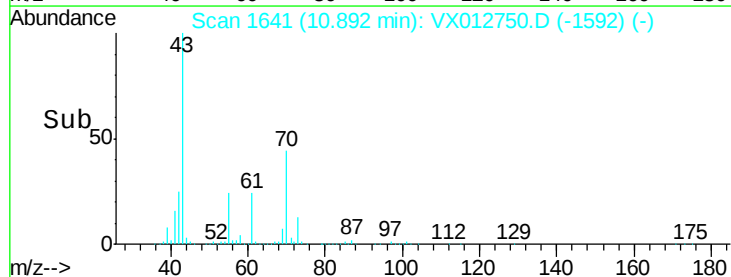
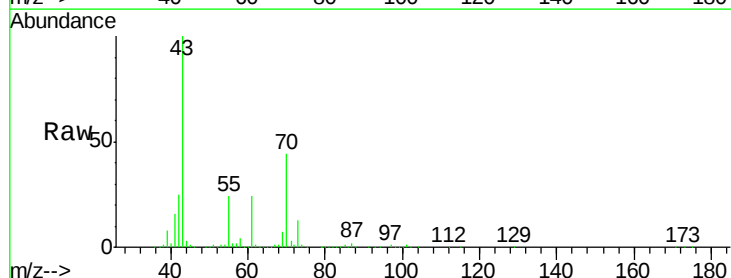
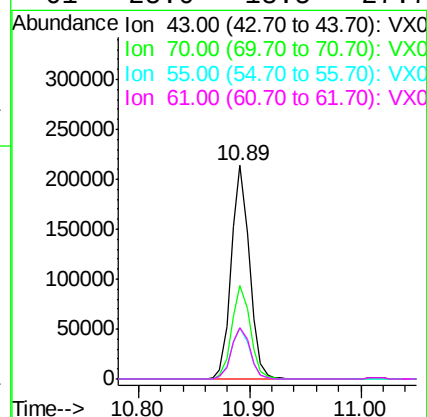
Ion Ratio Lower Upper

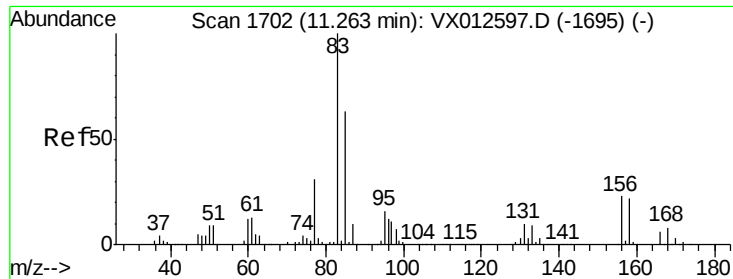
43 100

70 44.6 32.4 48.6

55 24.8 18.2 27.4

61 25.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.739 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

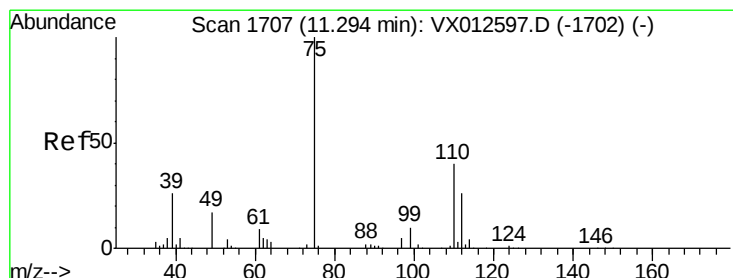
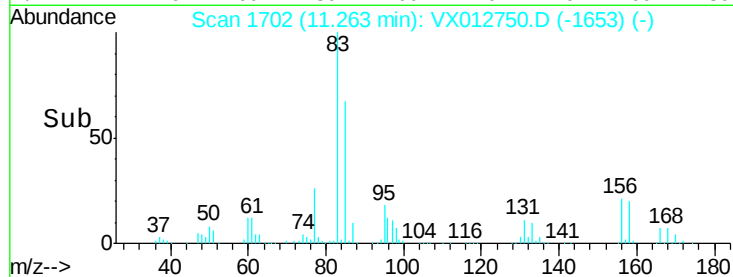
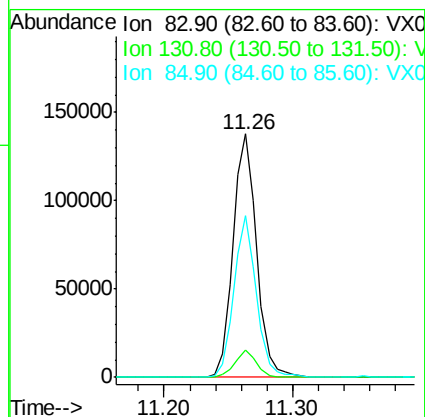
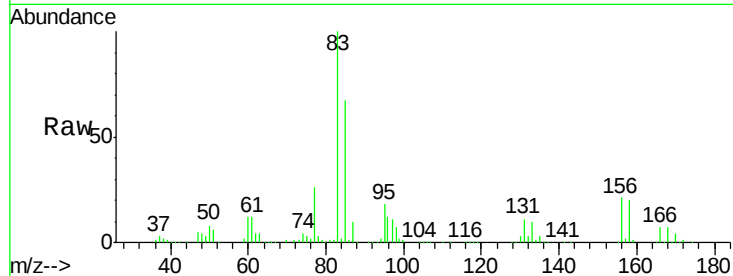
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	176807
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	63.7	32.0	96.0

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 47.822 ug/l m

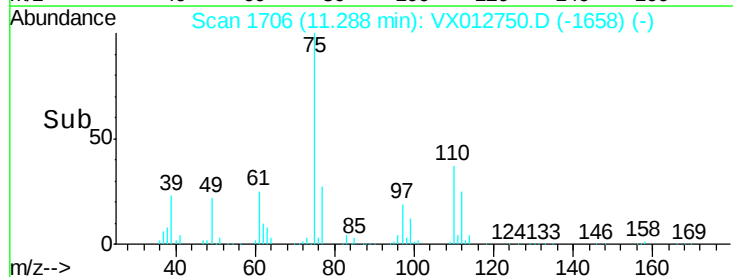
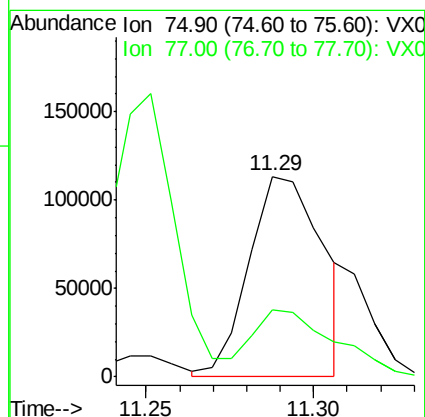
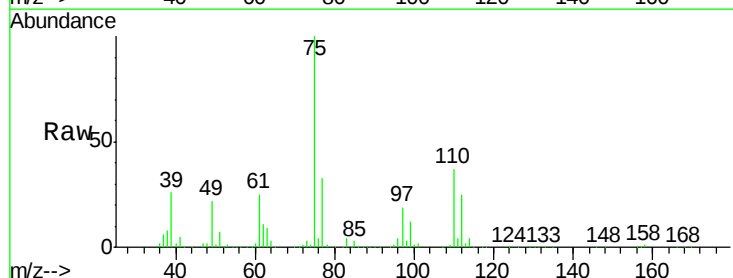
RT: 11.29 min Scan# 1706

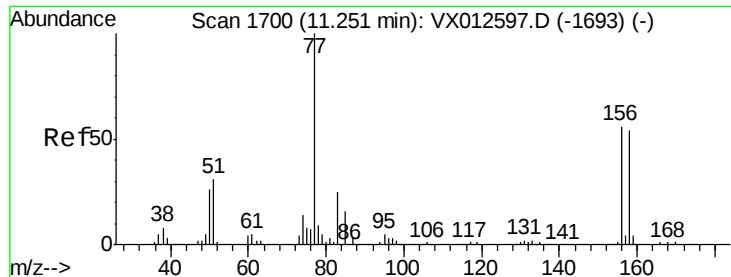
Delta R.T. -0.01 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Tgt Ion:	75	Resp:	173690
Ion Ratio	Lower	Upper	
75	100		
77	37.1	19.7	59.0





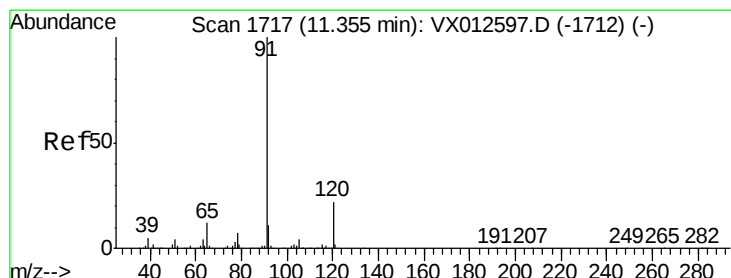
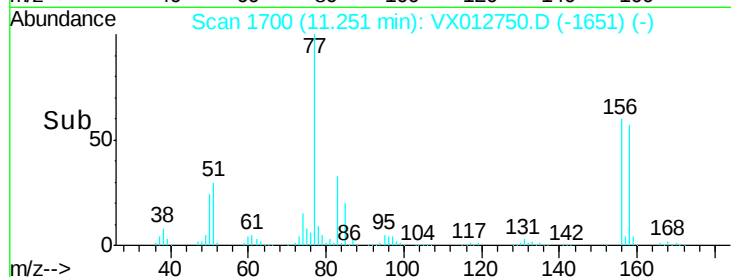
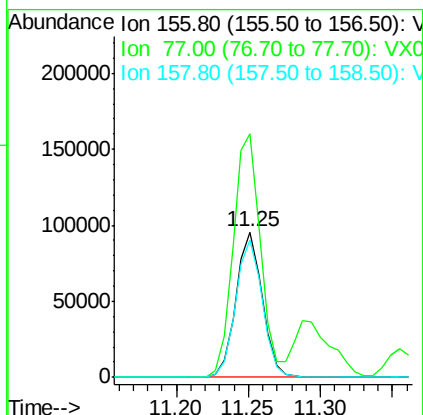
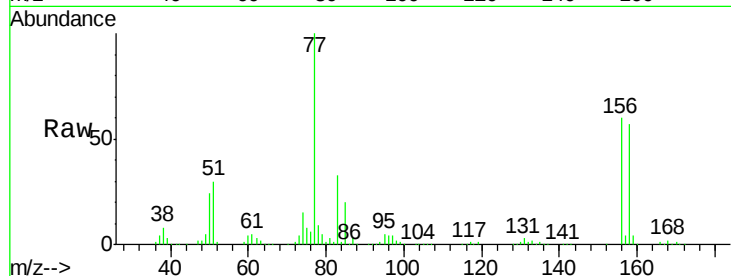
#77
Bromobenzene
Concen: 48.016 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.8	87.3	261.8
158	96.2	48.5	145.6

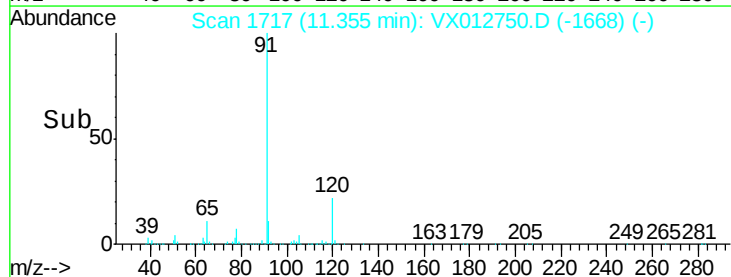
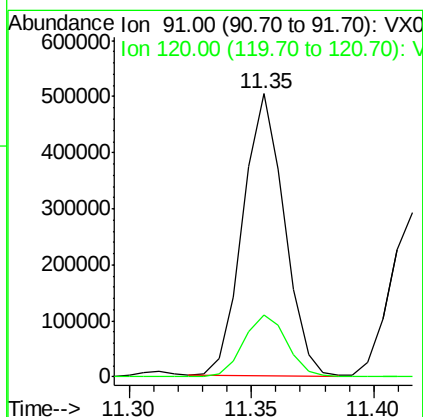
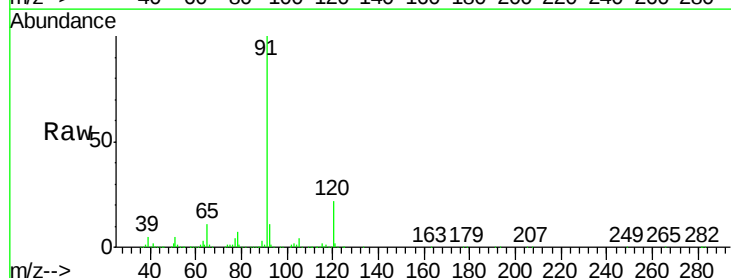
Manual Integrations
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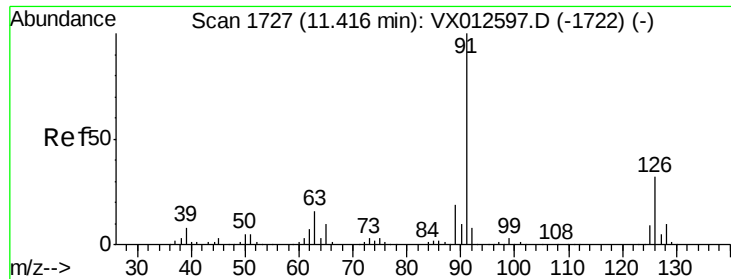
MMDadoda
10/3/2019 10:50:49 AM



#78
n-propylbenzene
Concen: 46.998 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.8





#79

2-Chlorotoluene

Concen: 46.207 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 362909

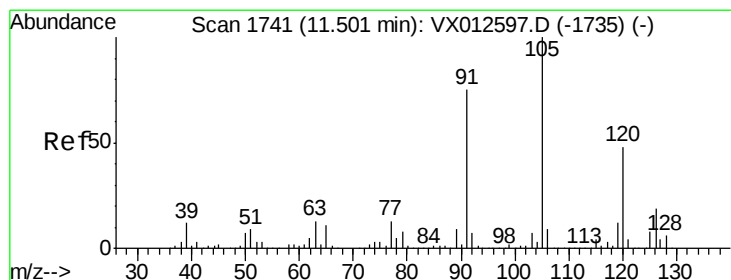
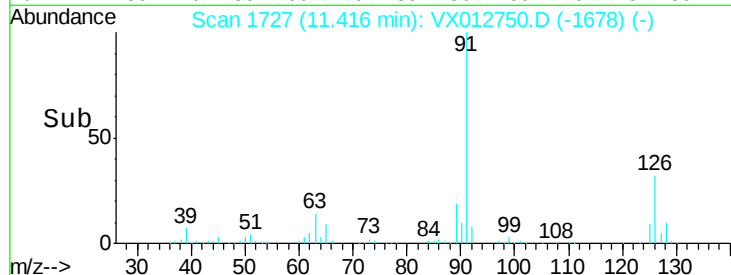
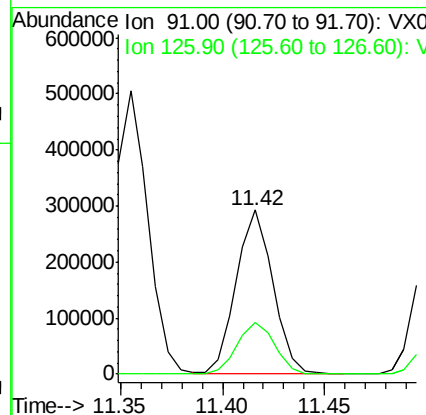
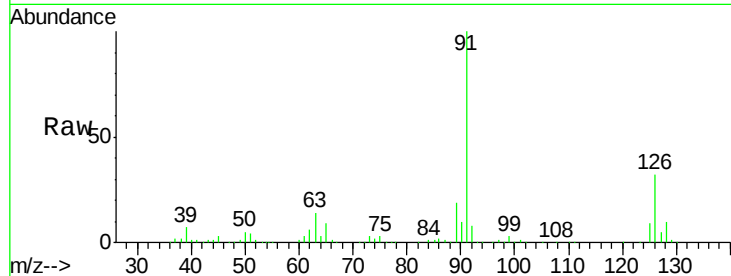
Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.4

Manual Integrations
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 48.277 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012750.D

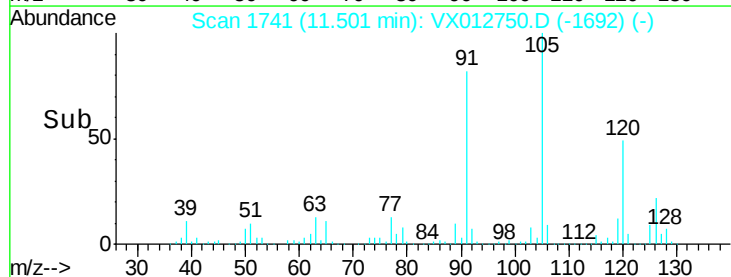
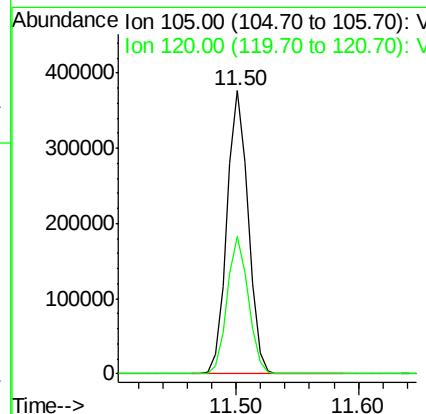
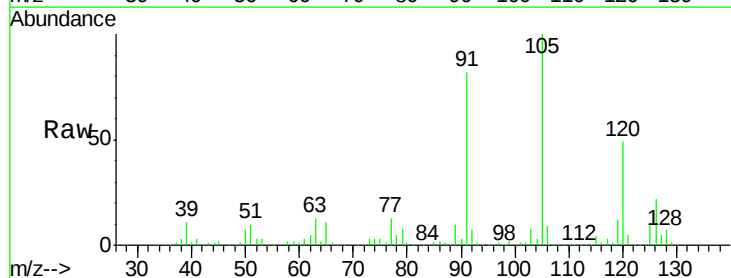
Acq: 02 Oct 2019 10:03

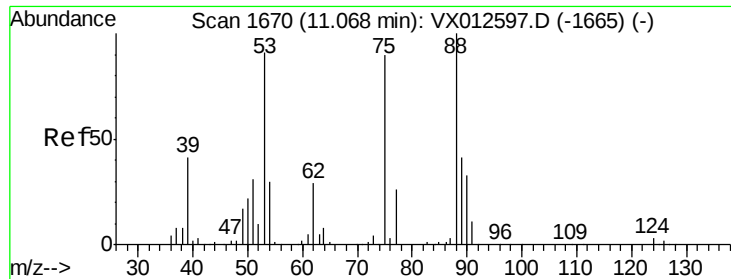
Tgt Ion: 105 Resp: 452732

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.211 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

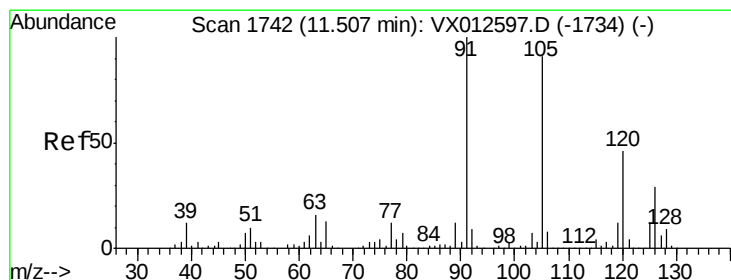
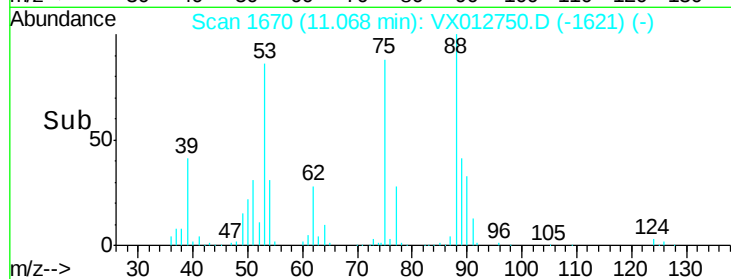
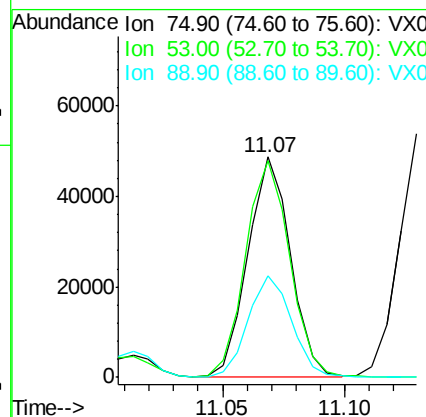
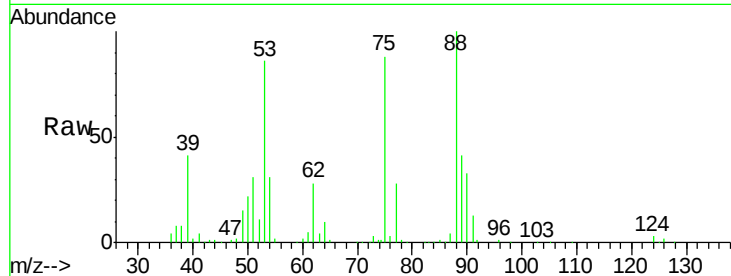
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	58567
Ion Ratio	Lower	Upper	
75	100		
53	102.4	83.6	125.4
89	47.4	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.350 ug/l

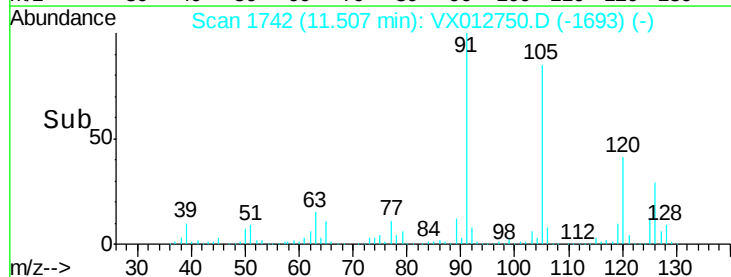
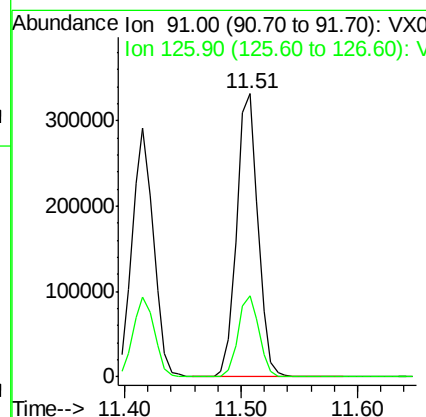
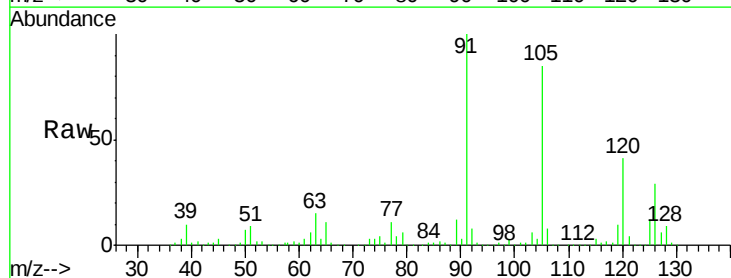
RT: 11.51 min Scan# 1742

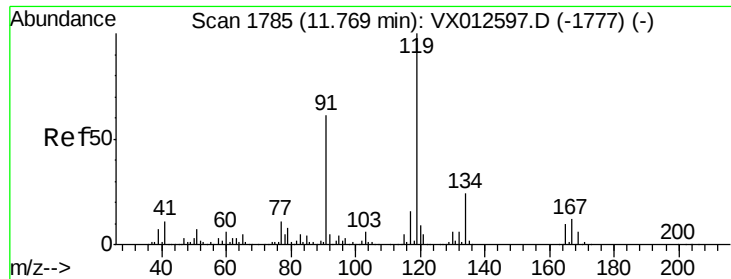
Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Tgt Ion:	91	Resp:	423928
Ion Ratio	Lower	Upper	
91	100		
126	28.3	14.4	43.0





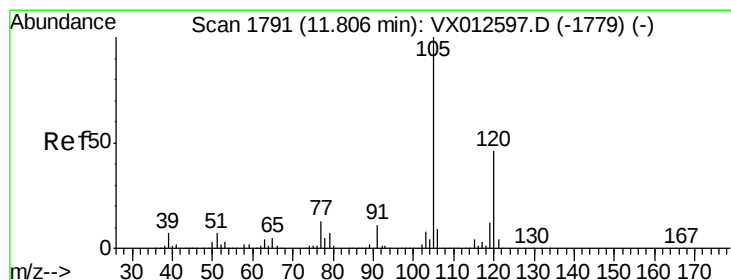
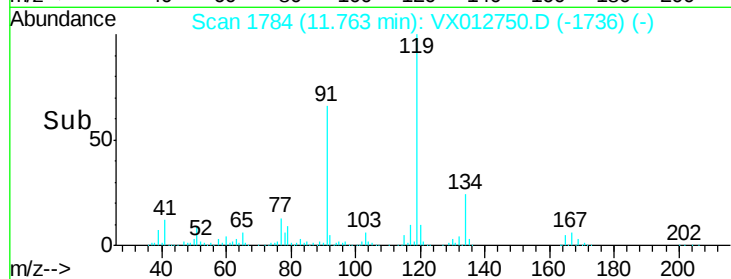
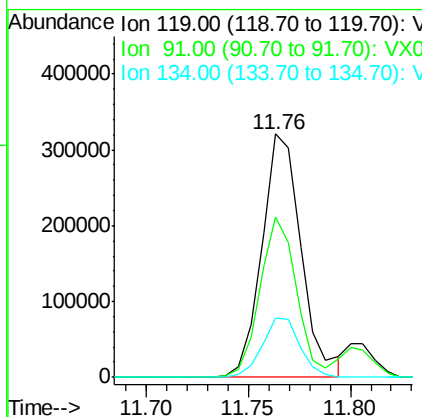
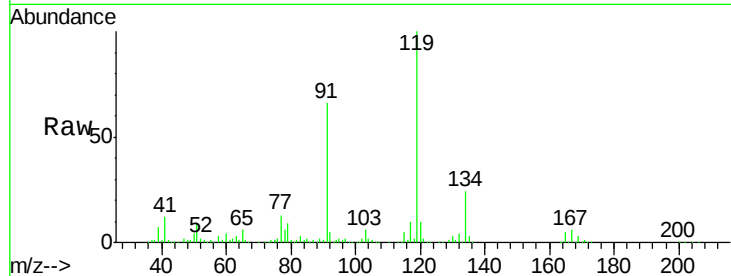
#83
 tert-Butylbenzene
 Concen: 47.781 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	432240		
91	61.1	30.0	90.0	
134	23.3	11.3	33.9	

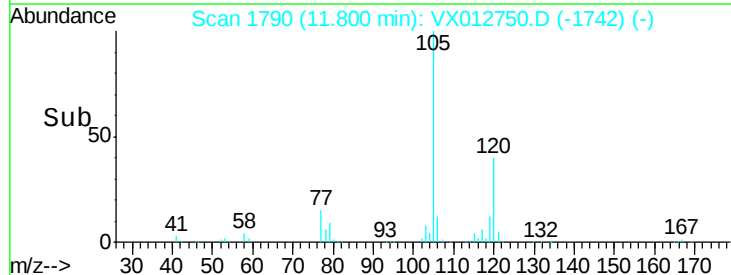
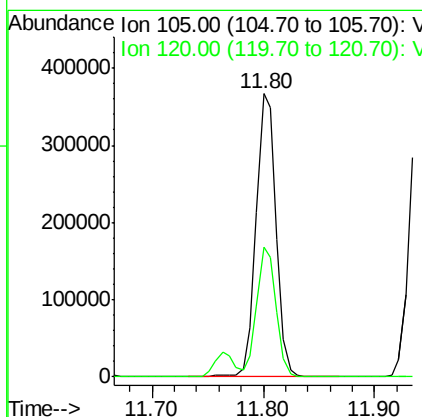
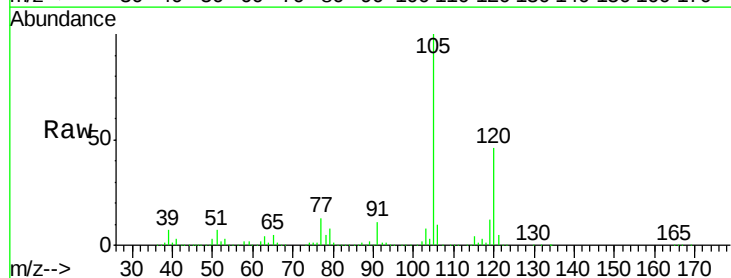
Manual Integrations
 APPROVED

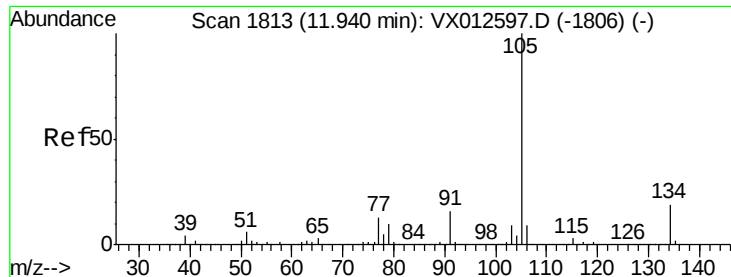
MMDadoda
 10/3/2019 10:50:49 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.359 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	457482		
120	44.5	22.2	66.6	





#85

sec-Butylbenzene

Concen: 50.239 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 528599

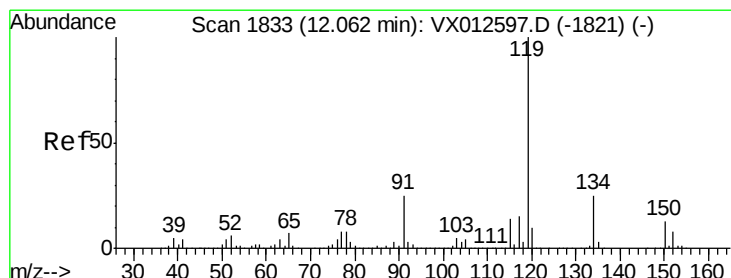
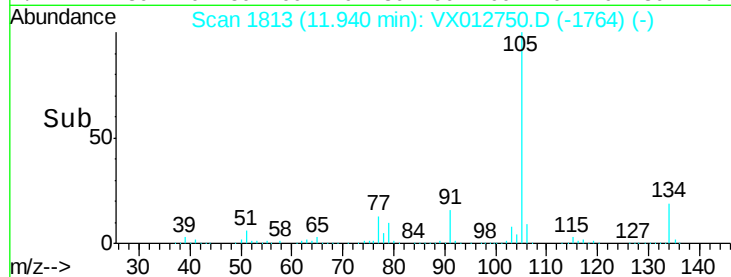
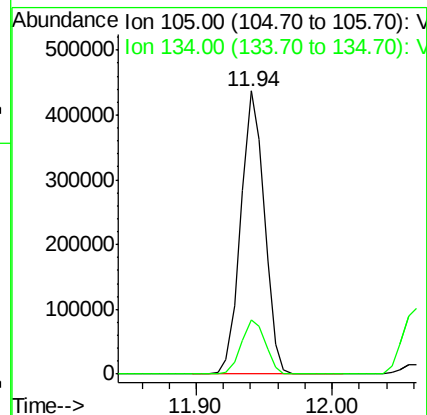
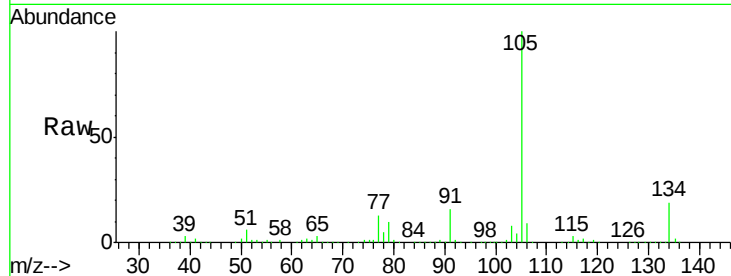
Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.4

Manual Integrations
APPROVED

MMDadoda
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#86

p-Isopropyltoluene

Concen: 50.733 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012750.D

Acq: 02 Oct 2019 10:03

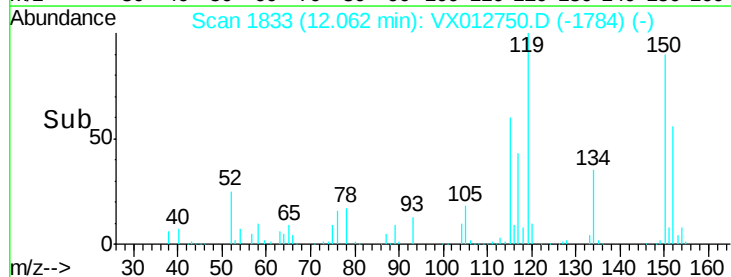
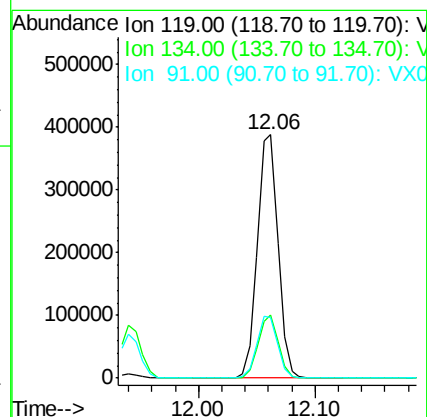
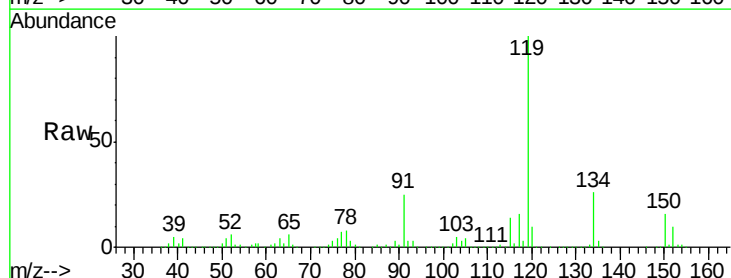
Tgt Ion:119 Resp: 481651

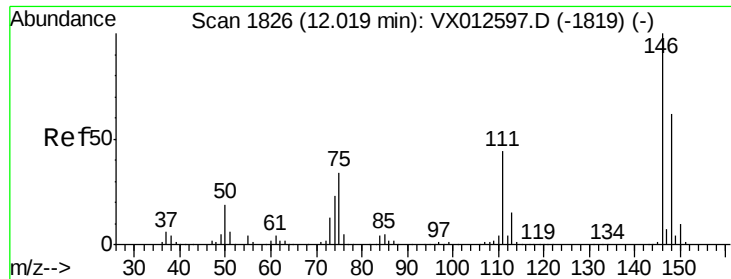
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

91 25.5 12.8 38.4





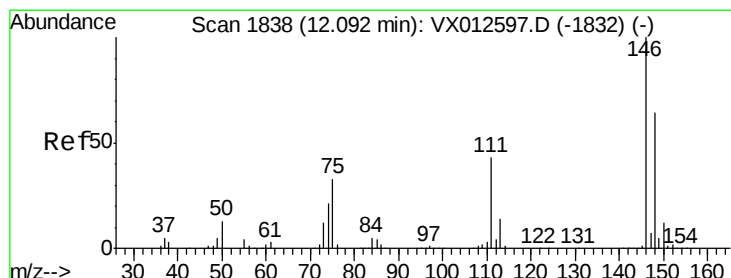
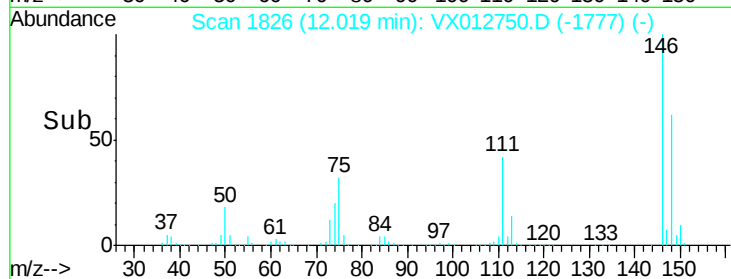
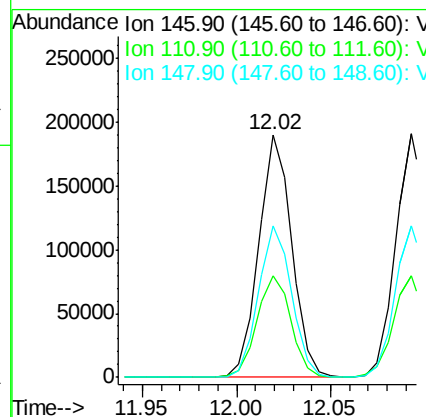
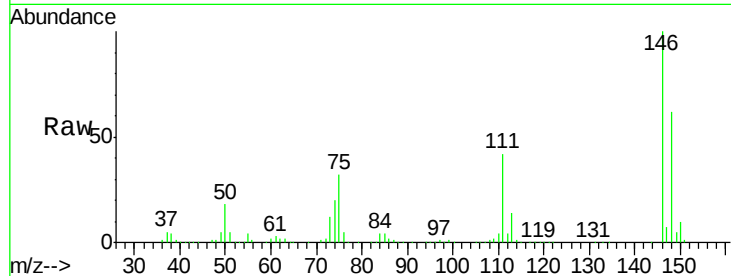
#87
 1,3-Dichlorobenzene
 Concen: 50.475 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	64.0
148	63.1	32.4	97.2

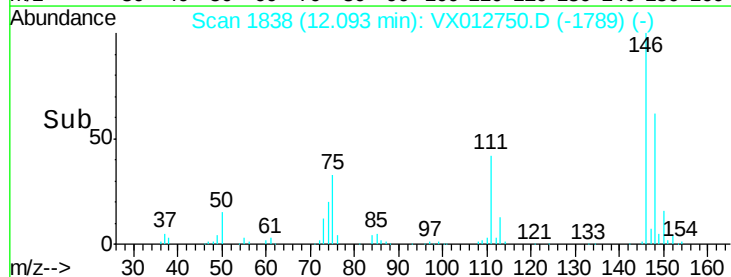
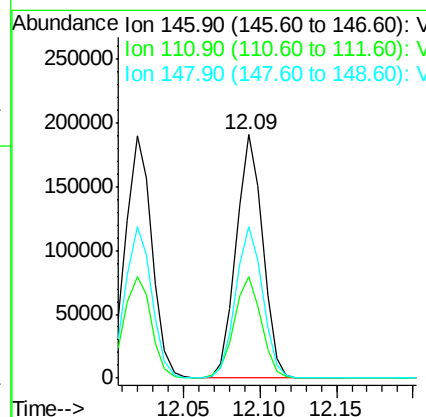
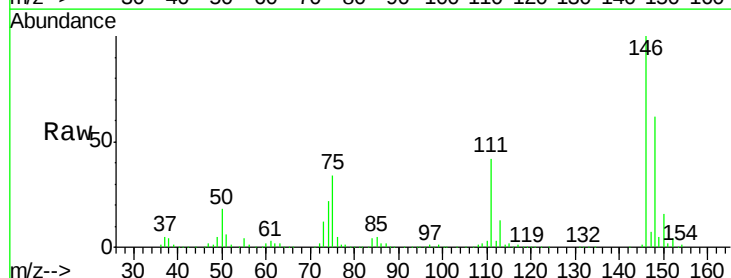
Manual Integrations
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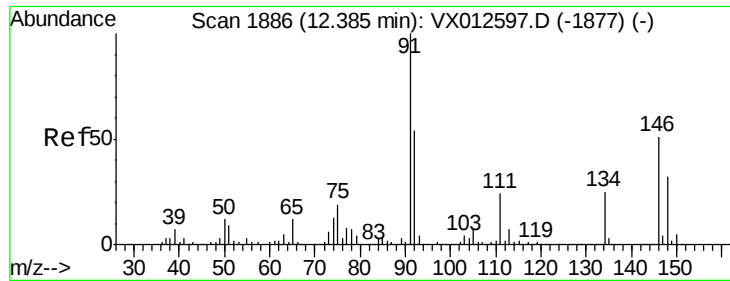
MMDadoda
 10/3/2019 10:50:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.007 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.3
148	62.9	32.1	96.5





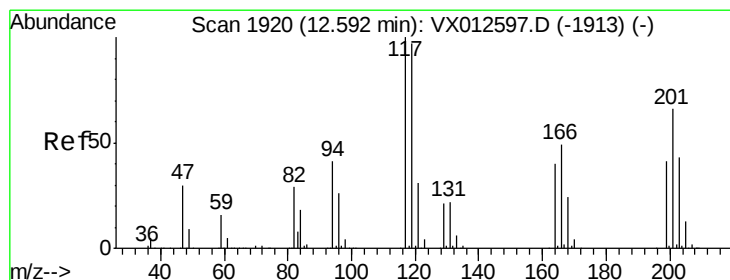
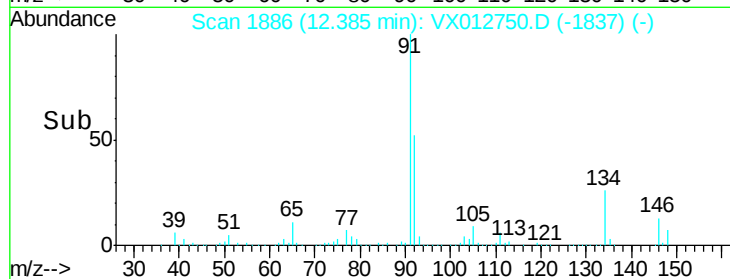
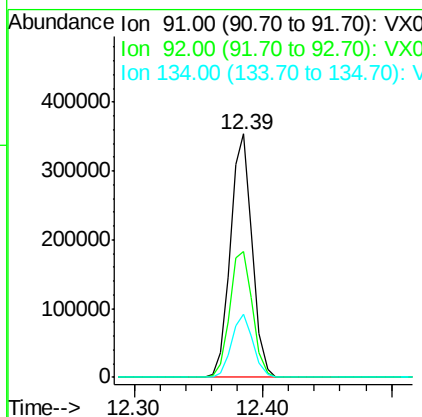
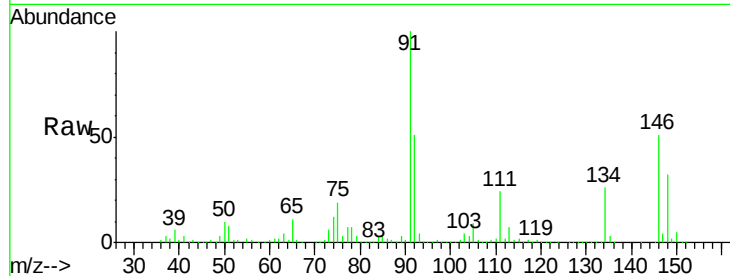
#89
n-Butylbenzene
Concen: 50.022 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.7	83.0
134	25.7	12.9	38.6

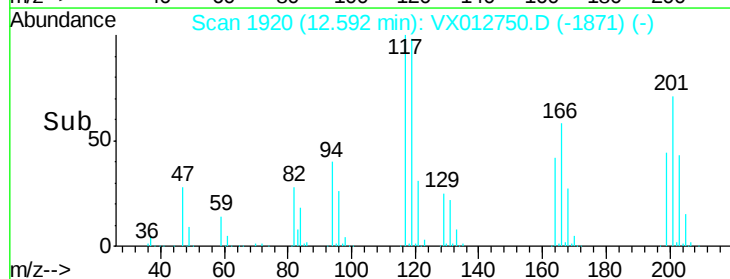
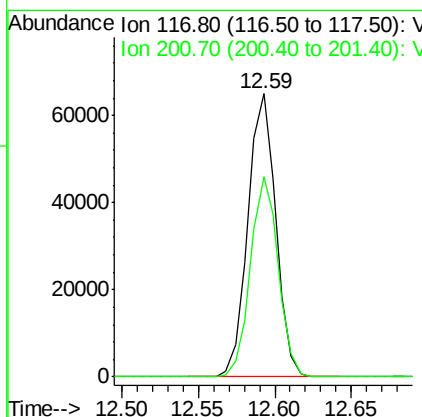
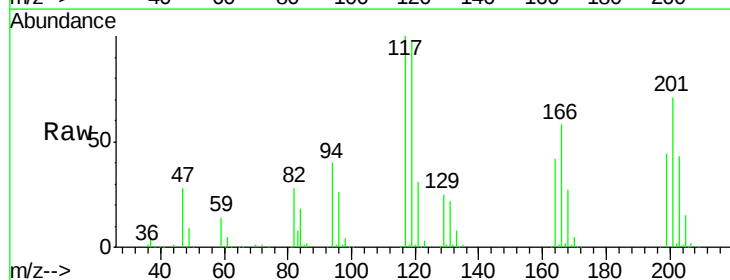
Manual Integrations
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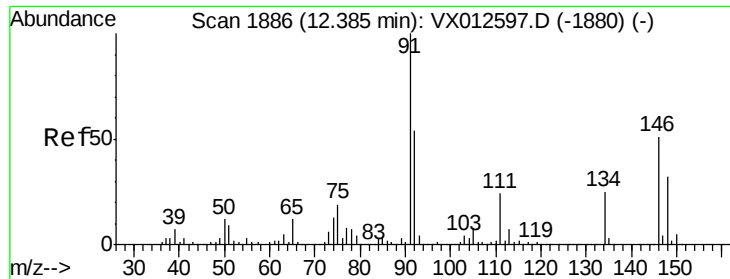
MMDadoda
10/3/2019 10:50:49 AM



#90
Hexachloroethane
Concen: 48.662 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.1	33.3	99.8





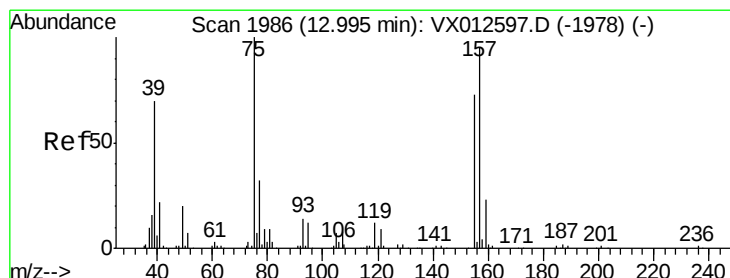
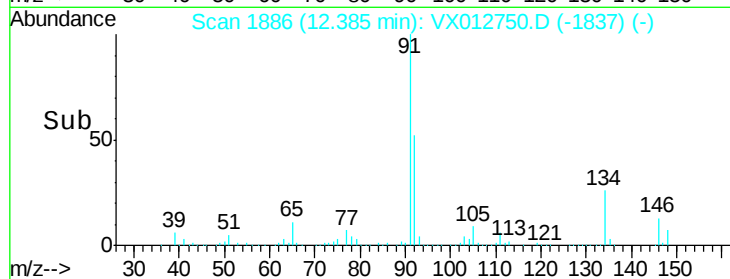
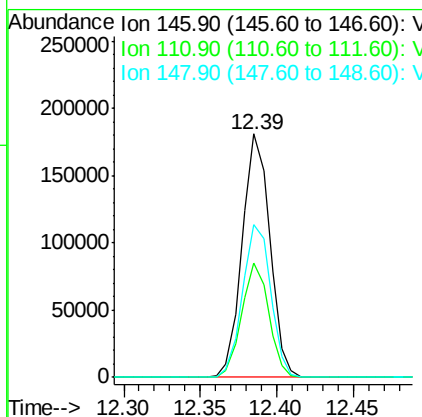
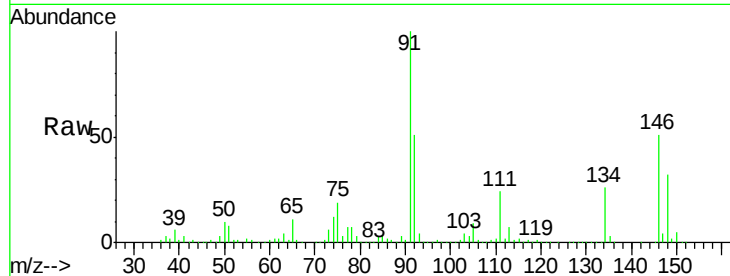
#91
 1,2-Dichlorobenzene
 Concen: 49.997 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.1	66.1
148	63.9	31.3	93.9

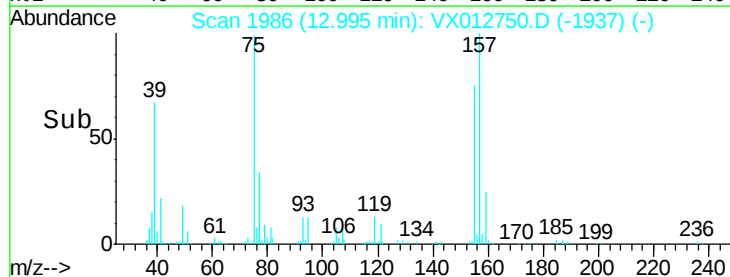
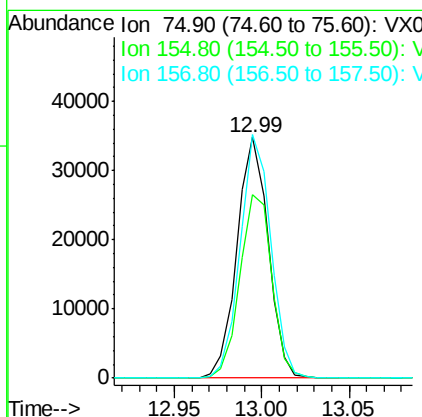
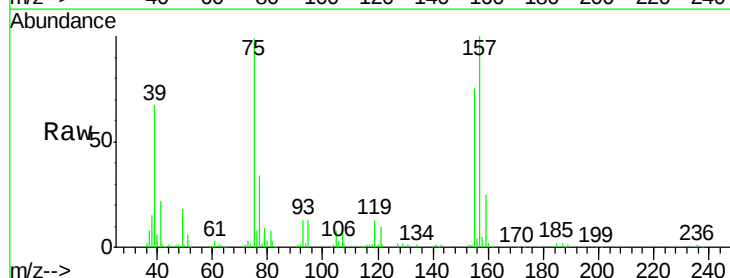
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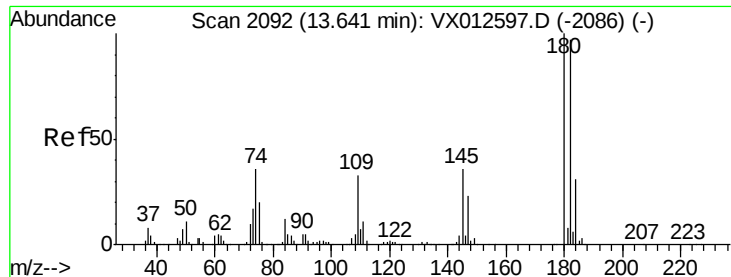
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.710 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	38.6	115.8
157	99.5	50.6	151.9





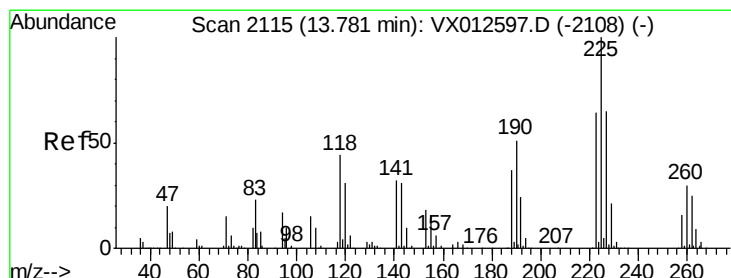
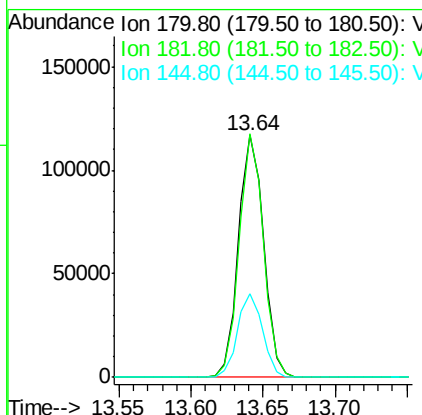
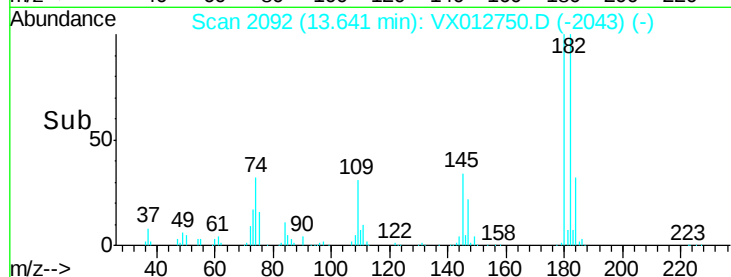
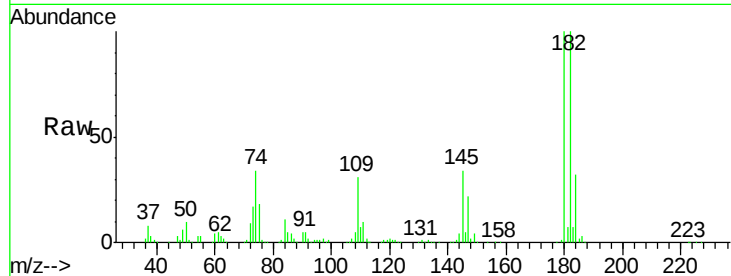
#93
 1,2,4-Trichlorobenzene
 Concen: 51.193 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142366		
182	96.6	47.0	141.0	
145	34.3	16.8	50.4	

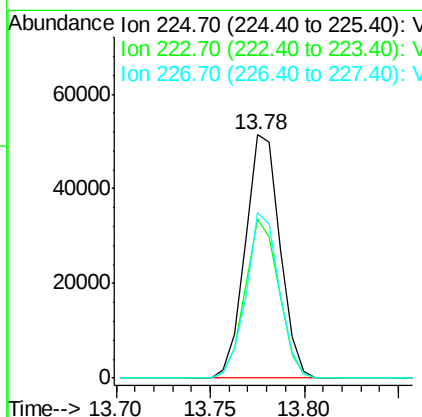
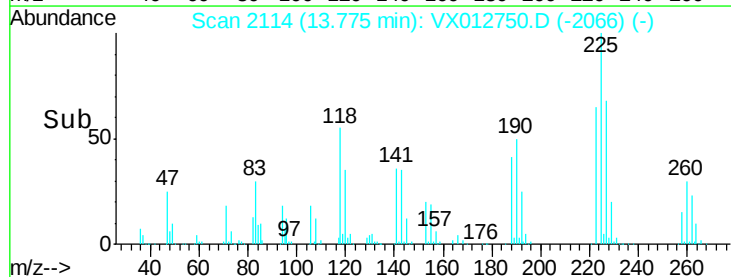
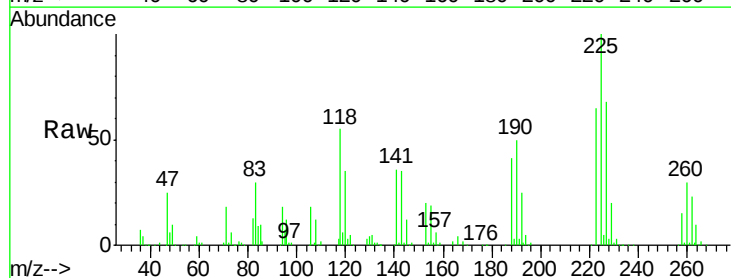
Manual Integrations
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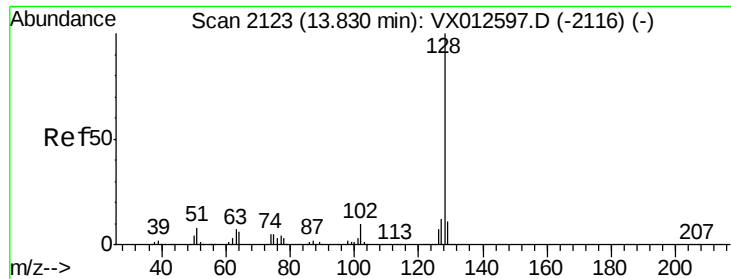
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 10/3/2019 10:50:49 AM



#94
 Hexachlorobutadiene
 Concen: 54.737 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012750.D
 Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65486		
223	63.8	32.0	96.2	
227	64.8	31.9	95.5	





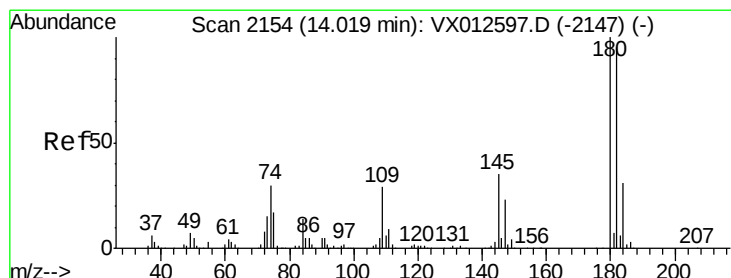
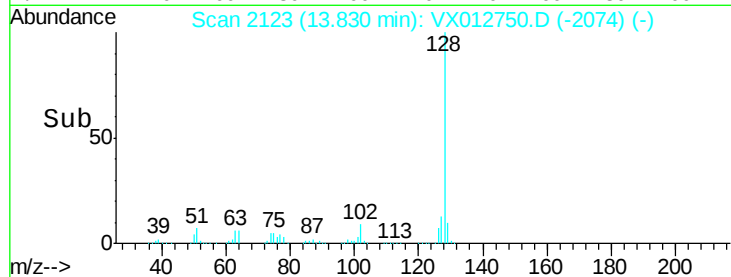
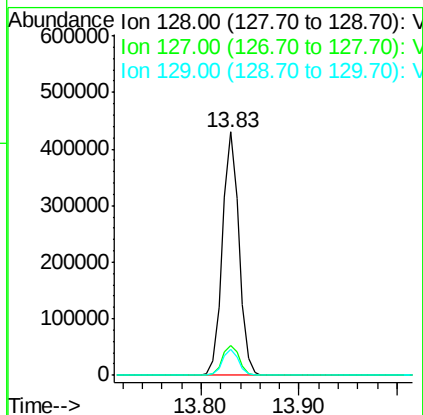
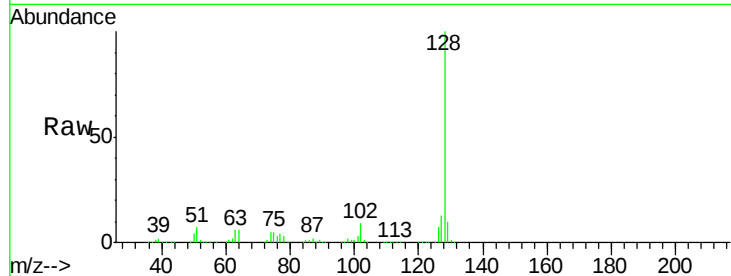
#95
Naphthalene
Concen: 49.997 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.6	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 51.722 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012750.D
Acq: 02 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.1	141.3
145	36.0	18.0	54.0

