

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011020\
 Data File : VX014548.D
 Acq On : 10 Jan 2020 19:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 11:34:50 AM

Quant Time: Jan 11 00:26:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	441489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	684043	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	622270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	314482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	261390	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
35) Dibromofluoromethane	5.49	113	217345	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	8.71	98	849122	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	11.13	95	304480	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	289353	52.776	ug/l	99
3) Chloromethane	1.32	50	294907	52.403	ug/l	98
4) Vinyl Chloride	1.40	62	347578	55.427	ug/l	98
5) Bromomethane	1.63	94	200154	48.151	ug/l	97
6) Chloroethane	1.72	64	189795	55.688	ug/l	99
7) Trichlorofluoromethane	1.92	101	374302	52.618	ug/l	98
8) Diethyl Ether	2.18	74	166073	51.172	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	218428	50.471	ug/l	99
10) Methyl Iodide	2.50	142	307292	59.298	ug/l	99
11) Tert butyl alcohol	3.03	59	263628	256.182	ug/l	97
12) 1,1-Dichloroethene	2.37	96	221680	50.840	ug/l	99
13) Acrolein	2.28	56	212195	257.261	ug/l	98
14) Allyl chloride	2.72	41	395111	51.612	ug/l	100
15) Acrylonitrile	3.13	53	678358	273.126	ug/l	100
16) Acetone	2.43	43	623812	252.478	ug/l	98
17) Carbon Disulfide	2.56	76	589118	48.421	ug/l	99
18) Methyl Acetate	2.76	43	424380	59.910	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	758103	54.160	ug/l	99
20) Methylene Chloride	2.85	84	254693	51.369	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	236928	49.772	ug/l	97
22) Diisopropyl ether	3.84	45	811527	54.854	ug/l	96
23) Vinyl Acetate	3.80	43	2357380	205.813	ug/l	99
24) 1,1-Dichloroethane	3.69	63	438626	54.501	ug/l	99
25) 2-Butanone	4.65	43	953573	259.019	ug/l	99
26) 2,2-Dichloropropane	4.57	77	318686	46.745	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	276820	52.019	ug/l	99
28) Bromochloromethane	5.01	49	174828	51.553	ug/l	95
29) Tetrahydrofuran	5.11	42	608705	279.654	ug/l	99
30) Chloroform	5.20	83	427866	54.406	ug/l	98
31) Cyclohexane	5.57	56	409648	54.380	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	360939	53.618	ug/l	99
36) 1,1-Dichloropropene	5.79	75	323175	50.239	ug/l	99
37) Ethyl Acetate	4.82	43	366271	52.419	ug/l	99
38) Carbon Tetrachloride	5.78	117	305606	51.626	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	405865	50.220	ug/l	96
40) Benzene	6.14	78	1005157	52.647	ug/l	99
41) Methacrylonitrile	5.03	41	203441	54.598	ug/l	99
42) 1,2-Dichloroethane	6.19	62	343434	51.447	ug/l	99
43) Isopropyl Acetate	6.43	43	608144	53.877	ug/l	100
44) Trichloroethene	7.21	130	291468	53.122	ug/l	99
45) 1,2-Dichloropropane	7.51	63	257999	53.003	ug/l	99
46) Dibromomethane	7.65	93	168699	49.655	ug/l	99
47) Bromodichloromethane	7.89	83	330609	53.480	ug/l	98
48) Methyl methacrylate	7.76	41	296562	54.856	ug/l	100
49) 1,4-Dioxane	7.73	88	107356	937.192	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1885114	274.066	ug/l	99
52) Toluene	8.78	92	631574	51.676	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	365897	50.839	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	411830	52.971	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	256334	52.217	ug/l	98
56) Ethyl methacrylate	9.17	69	409728	54.479	ug/l	99
57) 1,3-Dichloropropane	9.37	76	432077	52.641	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	694768	271.514	ug/l	99
59) 2-Hexanone	9.48	43	1418575	260.651	ug/l	100
60) Dibromochloromethane	9.58	129	269334	54.585	ug/l	99
61) 1,2-Dibromoethane	9.67	107	266472	51.244	ug/l	100
64) Tetrachloroethene	9.33	164	395475	63.413	ug/l	97
65) Chlorobenzene	10.14	112	677724	50.186	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	248709	51.607	ug/l	99
67) Ethyl Benzene	10.25	91	1197297	52.017	ug/l	98
68) m/p-Xylenes	10.36	106	916944	103.260	ug/l	99
69) o-Xylene	10.70	106	443951	52.399	ug/l	100
70) Styrene	10.71	104	765508	52.355	ug/l	99
71) Bromoform	10.85	173	203610	51.638	ug/l #	100
73) Isopropylbenzene	11.01	105	1170574	53.007	ug/l	100
74) N-amyl acetate	10.89	43	532823	54.688	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	355518	50.200	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	316440m	48.633	ug/l	
77) Bromobenzene	11.25	156	305346	49.859	ug/l	99
78) n-propylbenzene	11.35	91	1332923	52.704	ug/l	99
79) 2-Chlorotoluene	11.42	91	783139	51.956	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	978157	53.351	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	126957	51.585	ug/l	98
82) 4-Chlorotoluene	11.51	91	893277	50.487	ug/l	99
83) tert-Butylbenzene	11.76	119	831011	47.970	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	980270	52.912	ug/l	99
85) sec-Butylbenzene	11.94	105	1126637	52.315	ug/l	100
86) p-Isopropyltoluene	12.06	119	1035061	51.794	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	542500	49.359	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	533572	51.694	ug/l	99
89) n-Butylbenzene	12.39	91	902436	49.389	ug/l	99
90) Hexachloroethane	12.59	117	182445	51.974	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	549083	50.991	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	82175	51.584	ug/l	99

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ClientSampleId :
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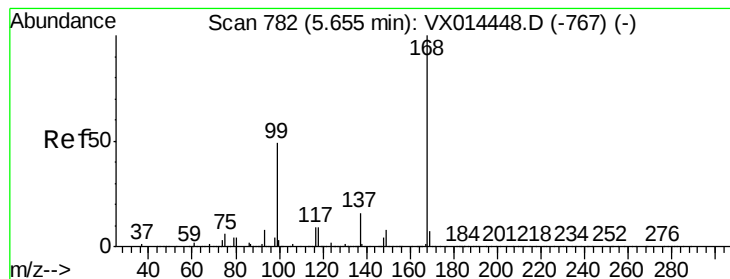
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	364259	48.194	ug/l	100
94) Hexachlorobutadiene	13.78	225	172323	48.685	ug/l	98
95) Naphthalene	13.83	128	1126376	48.017	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	365418	49.263	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 441489

Ion Ratio Lower Upper

168 100

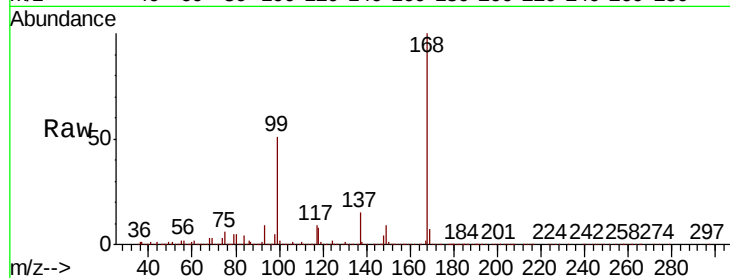
99 50.5 39.2 58.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

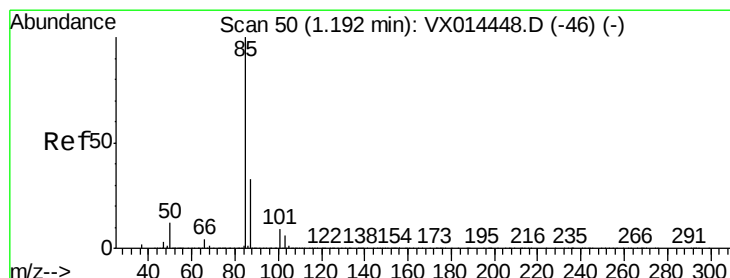
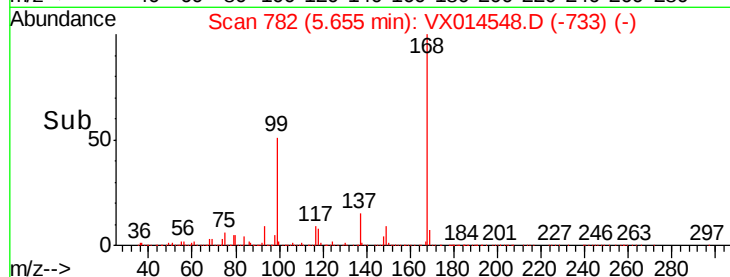
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.776 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014548.D

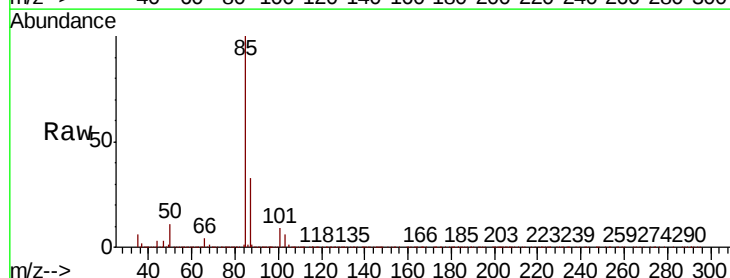
Acq: 10 Jan 2020 19:28

Tgt Ion: 85 Resp: 289353

Ion Ratio Lower Upper

85 100

87 32.6 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

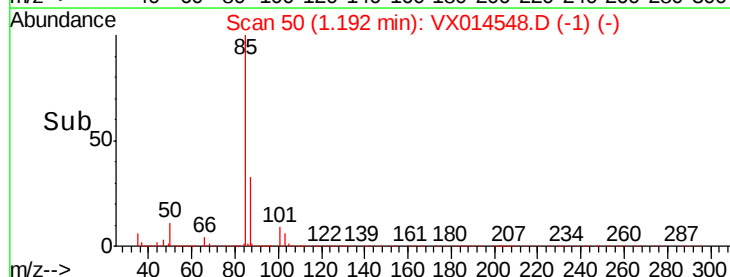
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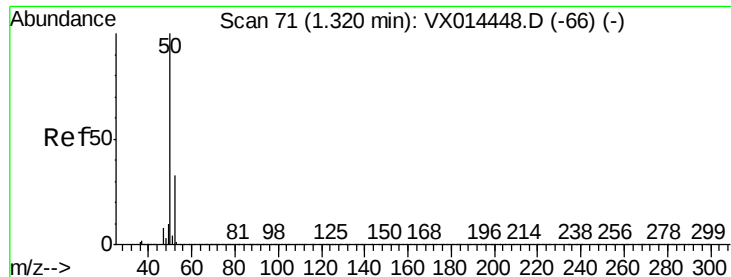
200000

100000

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Time-->





#3

Chloromethane

Concen: 52.403 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 294907

Ion Ratio Lower Upper

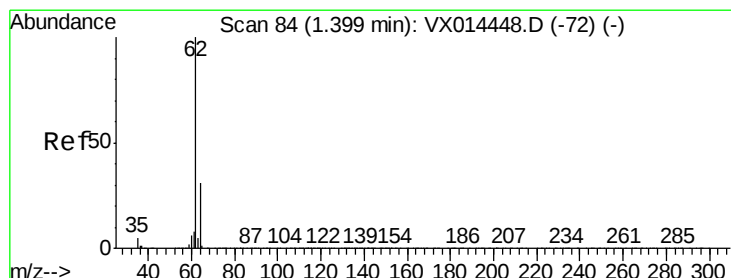
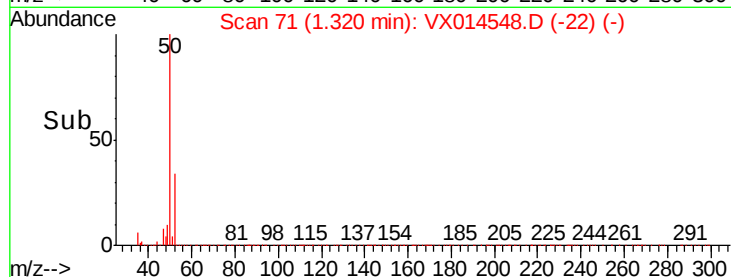
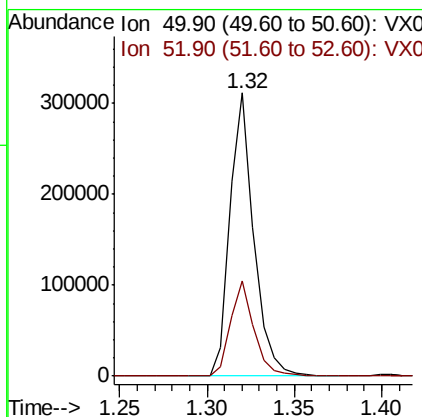
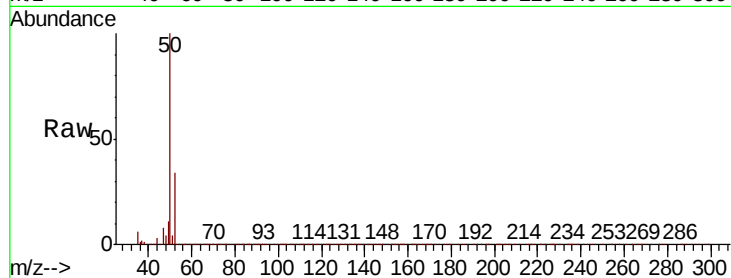
50 100

52 33.7 26.1 39.1

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#4

Vinyl Chloride

Concen: 55.427 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014548.D

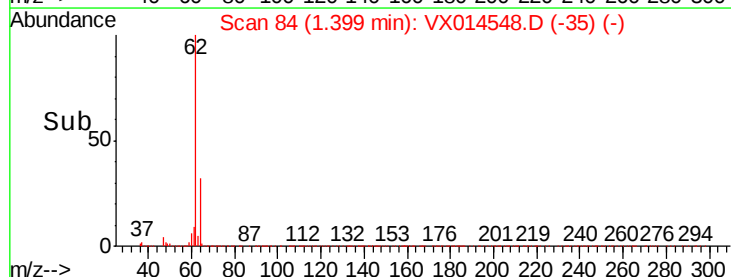
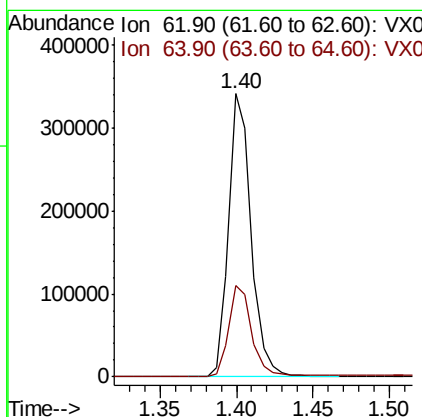
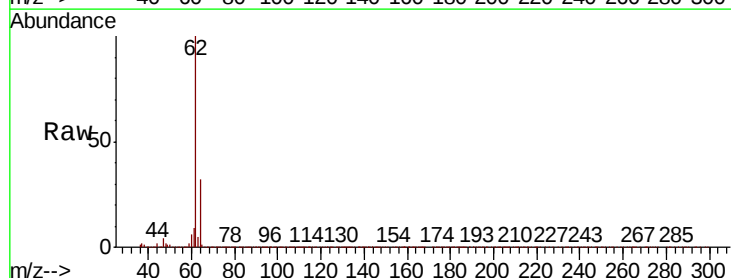
Acq: 10 Jan 2020 19:28

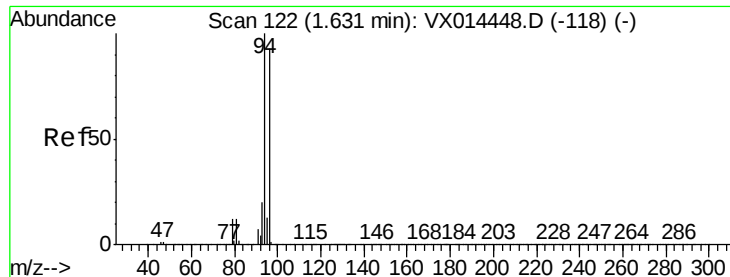
Tgt Ion: 62 Resp: 347578

Ion Ratio Lower Upper

62 100

64 31.9 24.6 37.0





#5

Bromomethane

Concen: 48.151 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 200154

Ion Ratio Lower Upper

94 100

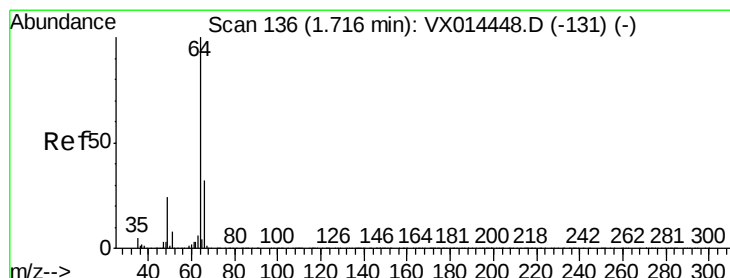
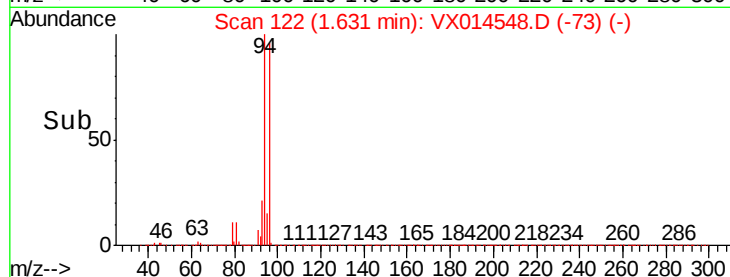
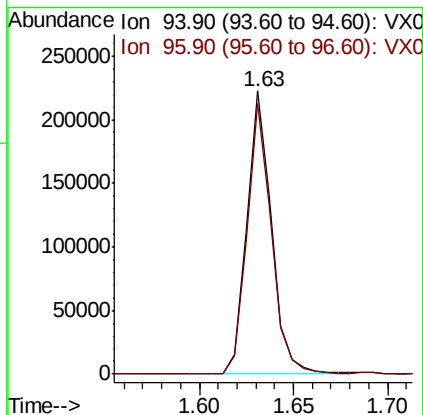
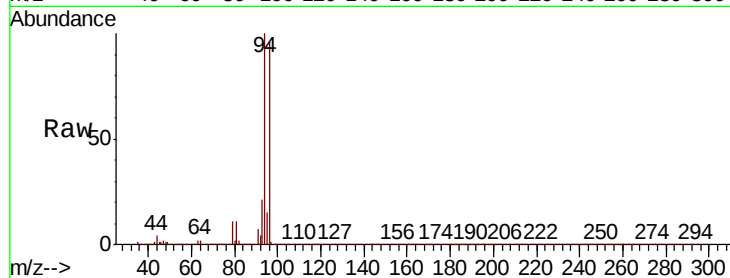
96 95.6 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 55.688 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014548.D

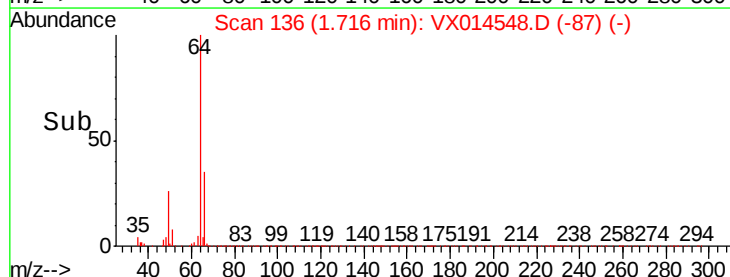
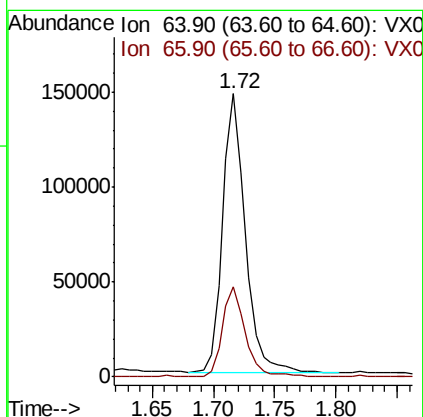
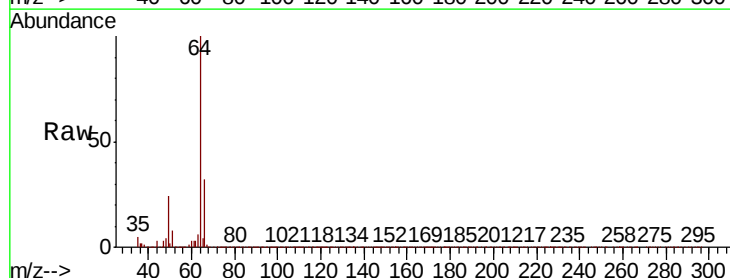
Acq: 10 Jan 2020 19:28

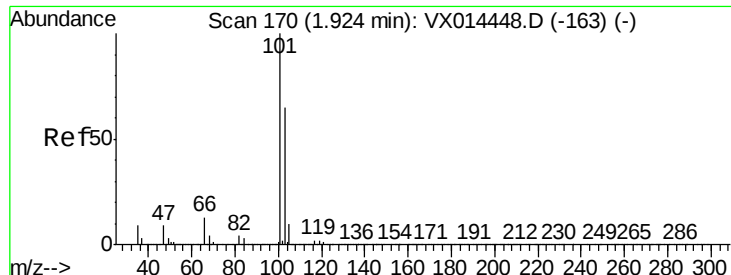
Tgt Ion: 64 Resp: 189795

Ion Ratio Lower Upper

64 100

66 32.2 25.3 37.9





#7

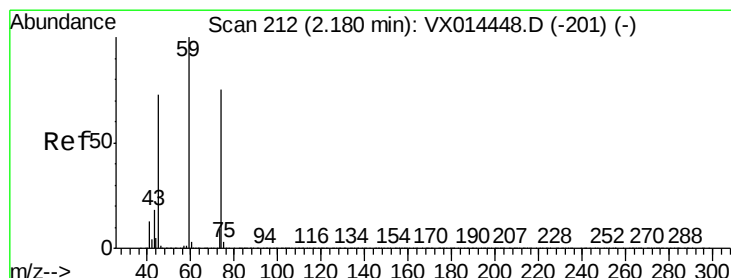
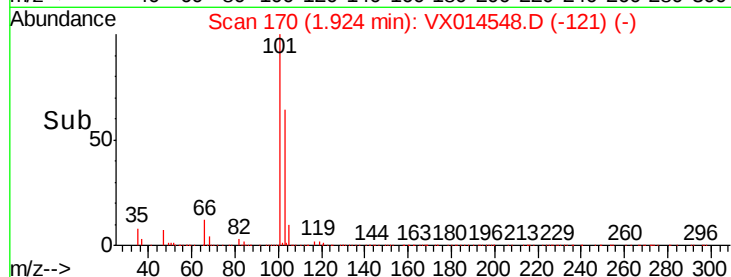
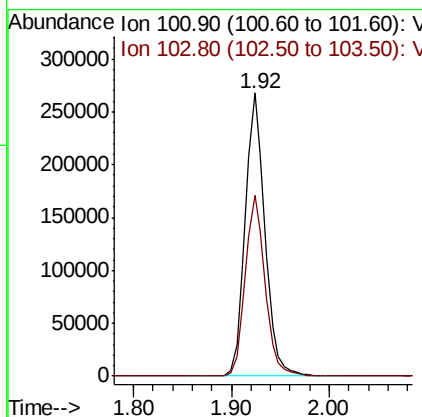
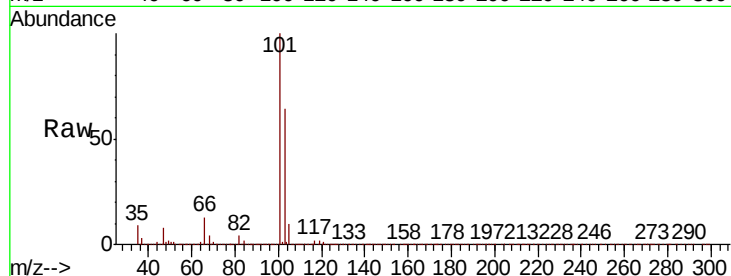
Trichlorofluoromethane
Concen: 52.618 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.2	78.4

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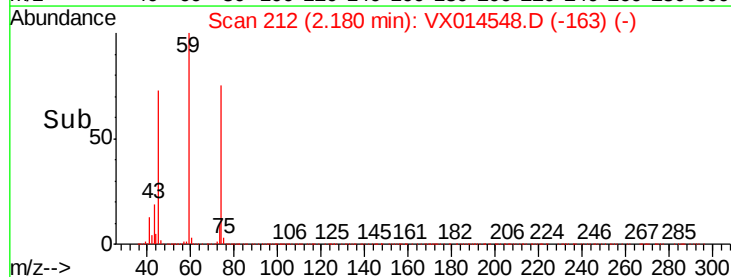
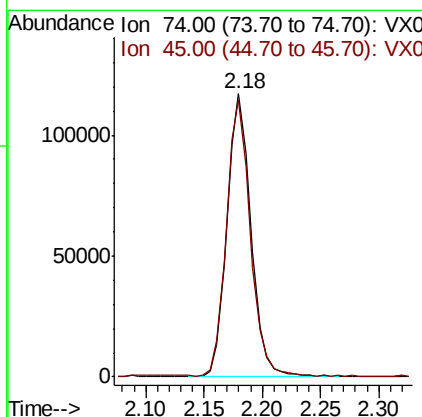
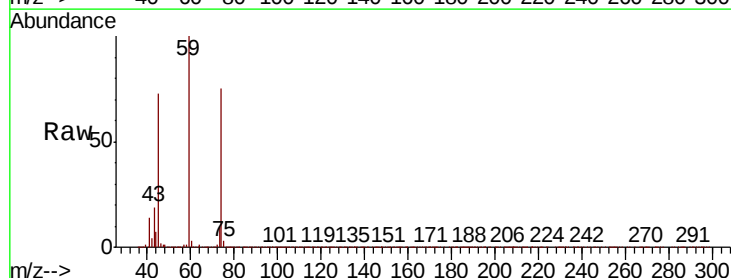
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1/13/2020 11:34:50 AM

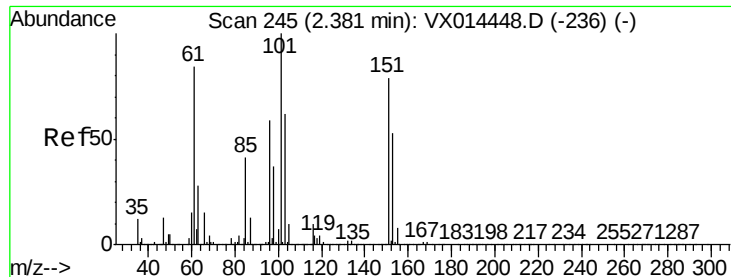


#8

Diethyl Ether
Concen: 51.172 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.471 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

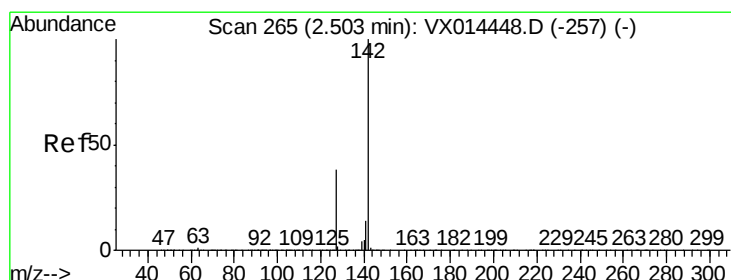
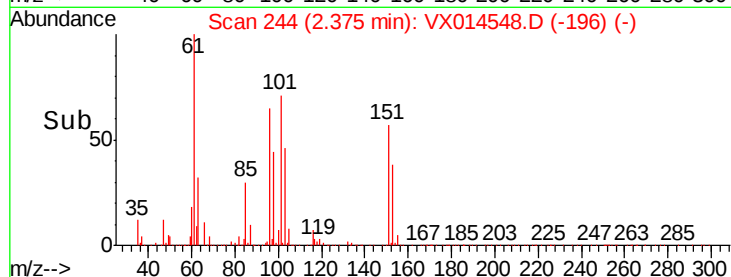
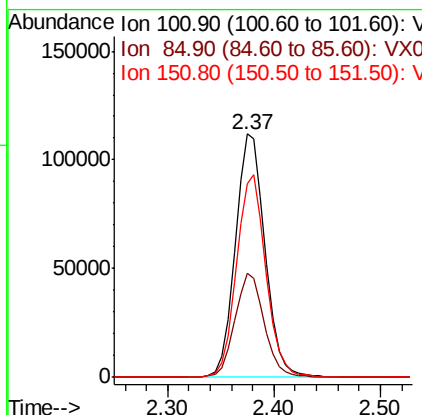
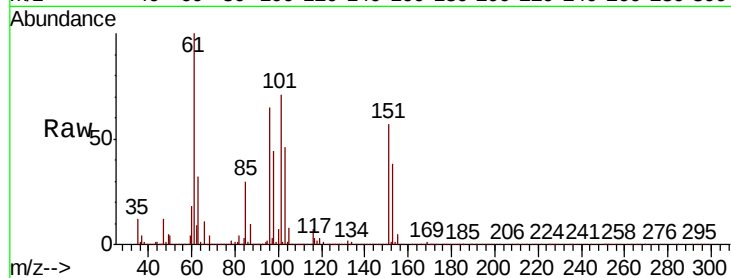
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	218428
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.8	50.8
151	82.6	65.3	97.9

Manual Integrations
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1/13/2020 11:34:50 AM



#10

Methyl Iodide

Concen: 59.298 ug/l

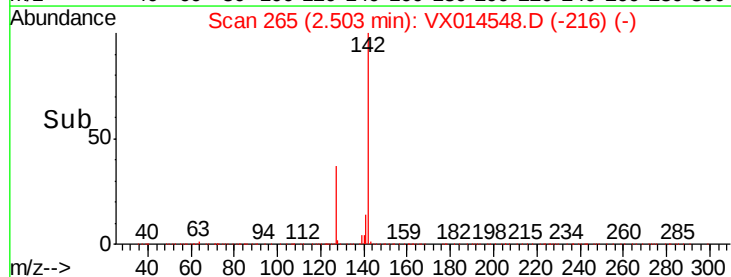
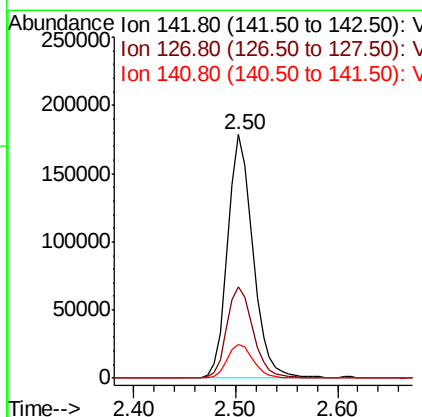
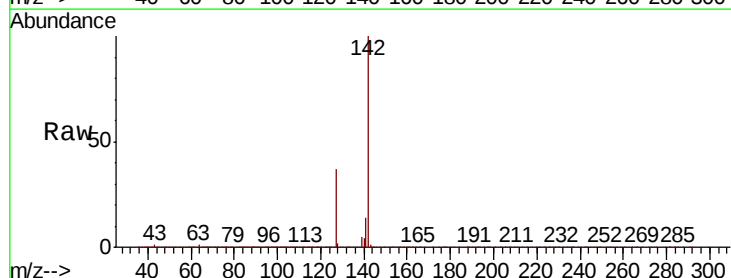
RT: 2.50 min Scan# 265

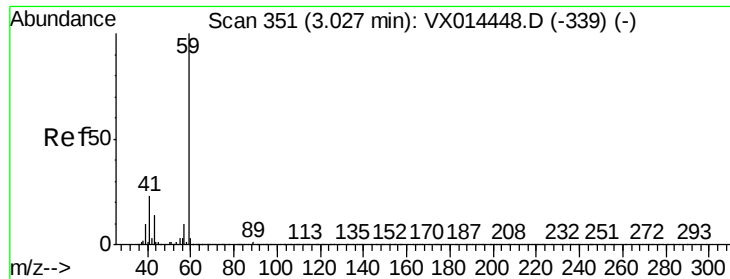
Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Tgt Ion:	142	Resp:	307292
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.2	46.8
141	14.0	11.4	17.2





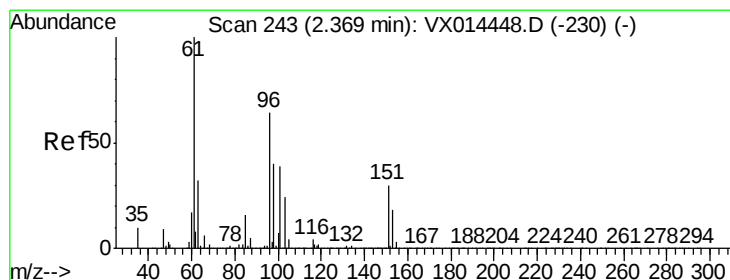
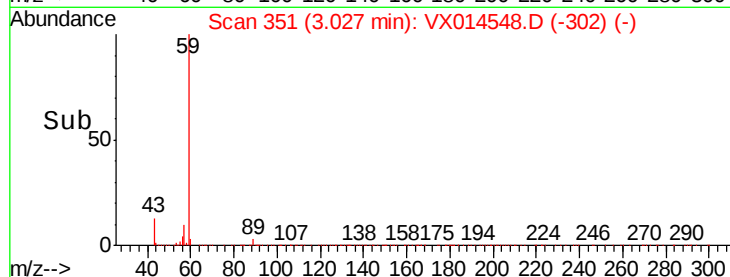
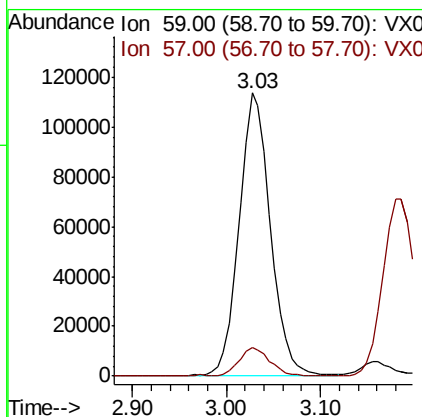
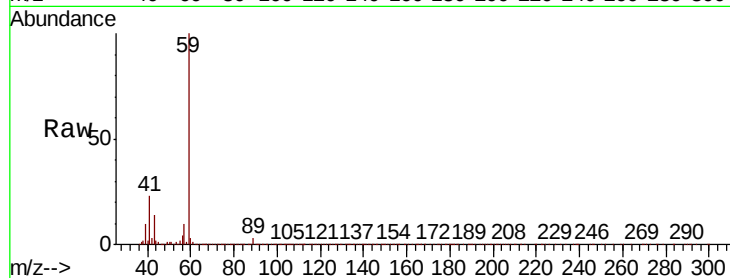
#11
Tert butyl alcohol
Concen: 256.182 ug/l
RT: 3.03 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.5	12.7

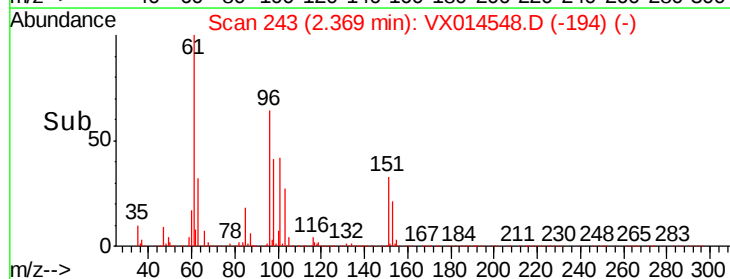
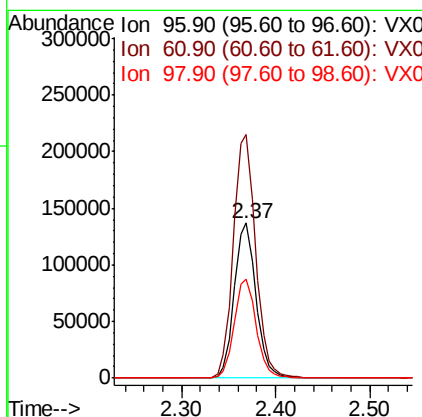
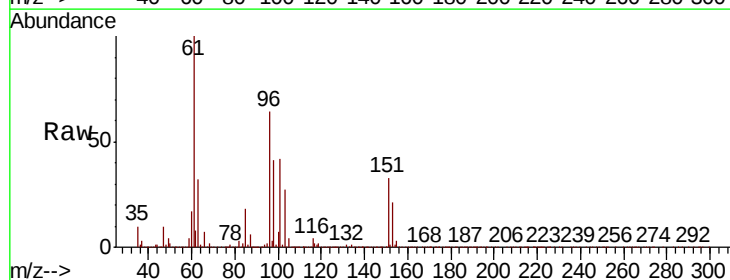
Manual Integrations
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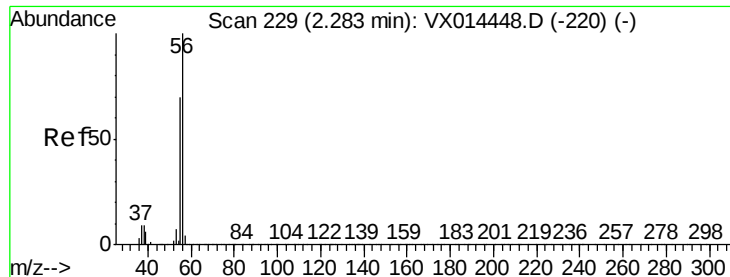
MMDadoda
1/13/2020 11:34:50 AM



#12
1,1-Dichloroethene
Concen: 50.840 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	125.0	187.6
98	63.9	50.2	75.2





#13

Acrolein

Concen: 257.261 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 212195

Ion Ratio Lower Upper

56 100

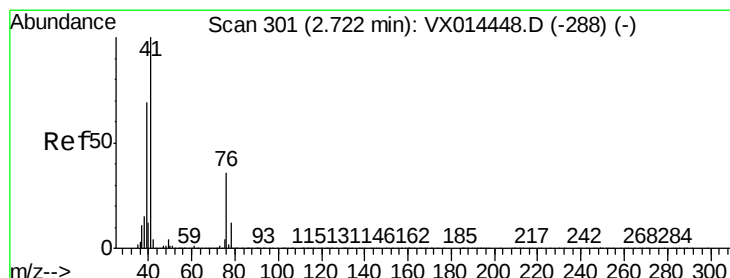
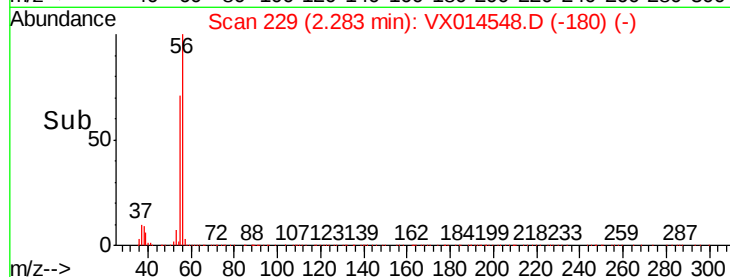
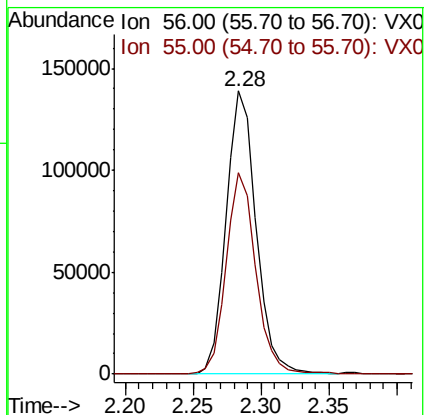
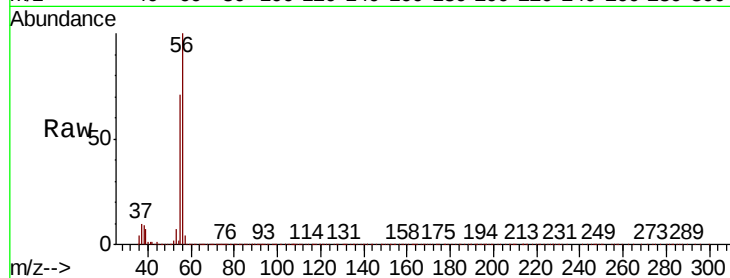
55 70.6 55.0 82.6

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#14

Allyl chloride

Concen: 51.612 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

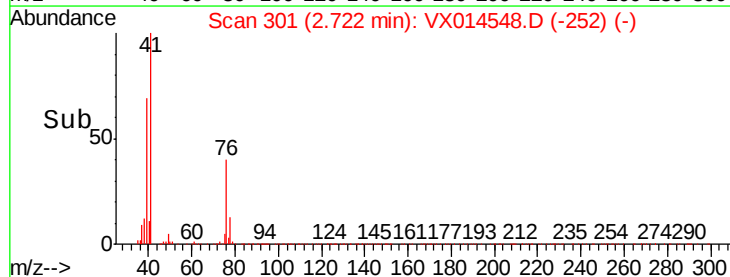
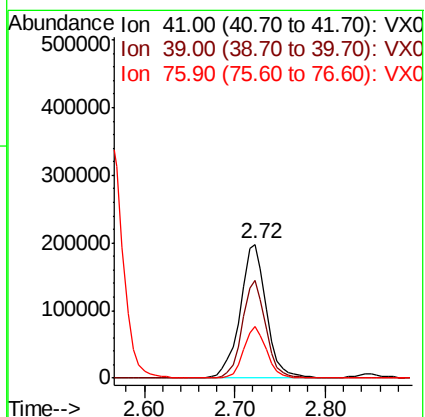
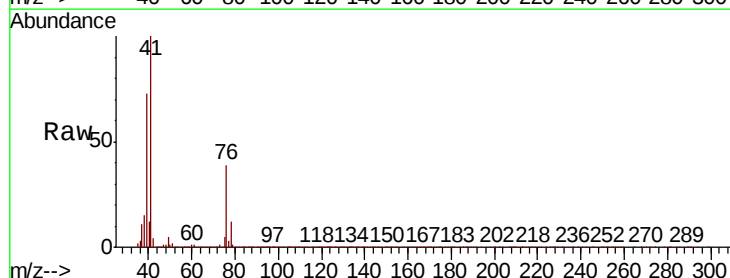
Tgt Ion: 41 Resp: 395111

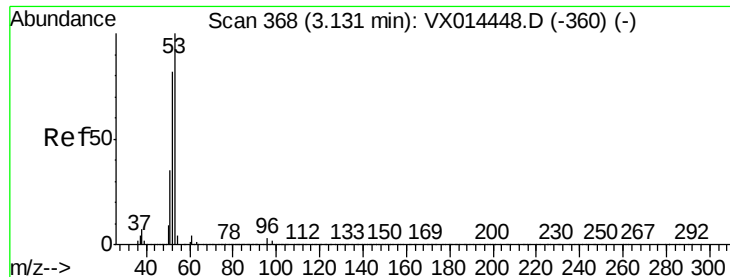
Ion Ratio Lower Upper

41 100

39 64.9 51.7 77.5

76 33.4 26.8 40.2





#15

Acrylonitrile

Concen: 273.126 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

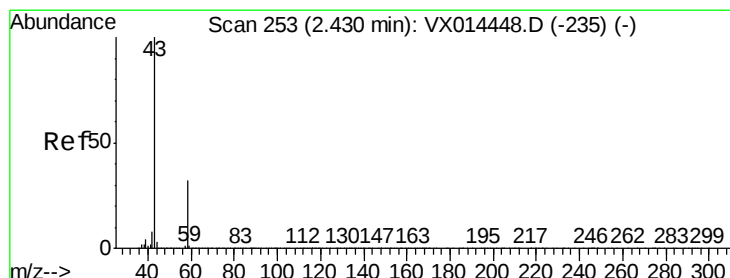
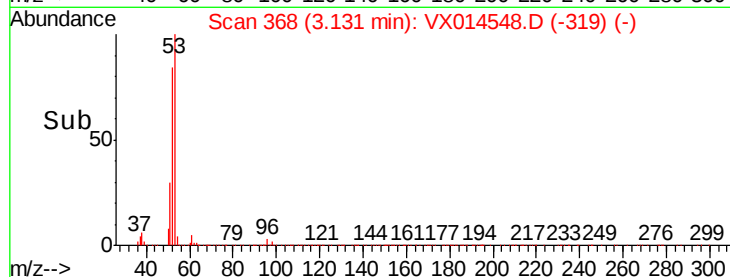
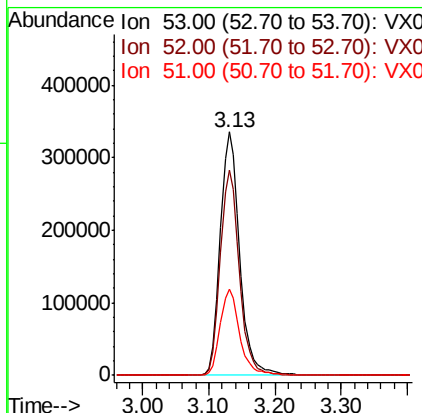
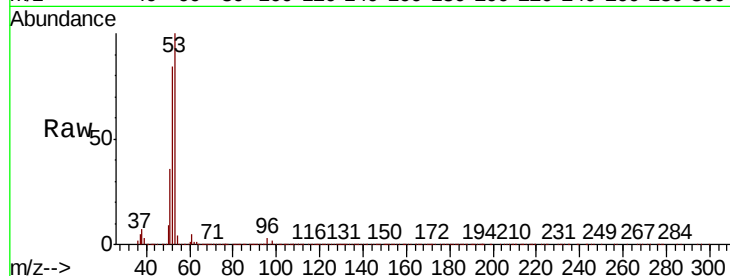
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	678358
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.0	100.4
51	35.7	28.5	42.7

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#16

Acetone

Concen: 252.478 ug/l

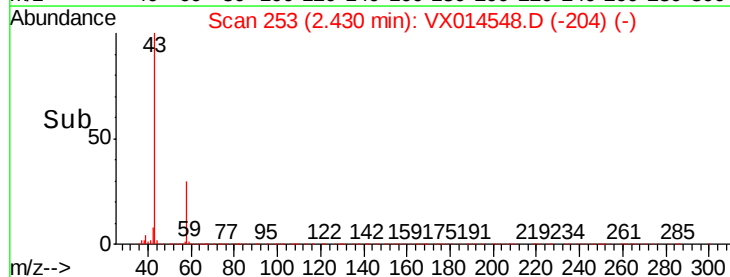
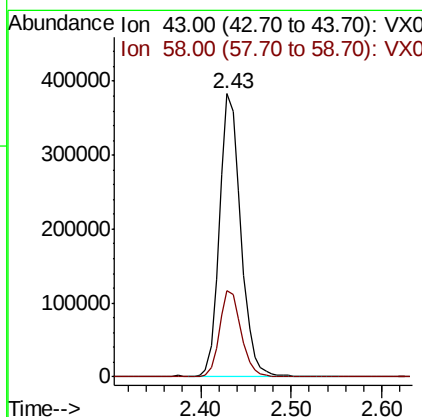
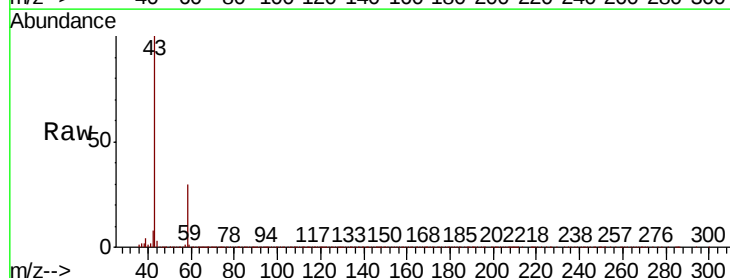
RT: 2.43 min Scan# 253

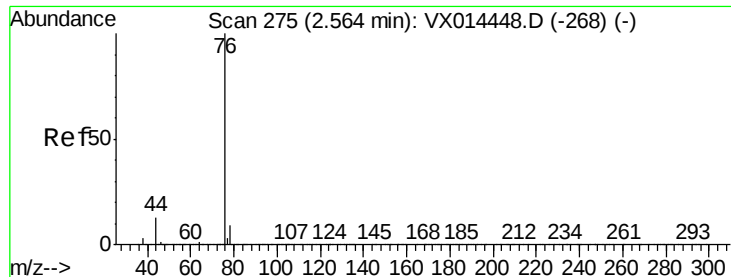
Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Tgt Ion	43	Resp	623812
Ion	Ratio	Lower	Upper
43	100		
58	30.4	25.4	38.0





#17

Carbon Disulfide

Concen: 48.421 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 589118

Ion Ratio Lower Upper

76 100

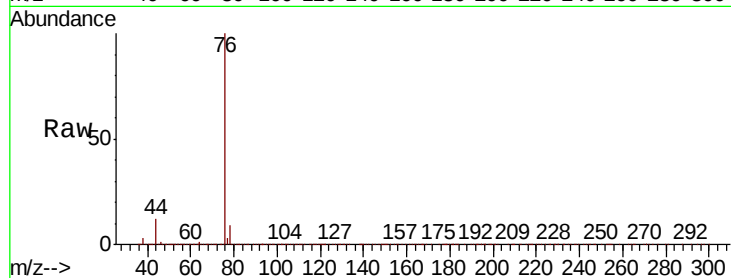
78 8.9 7.4 11.2

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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

400000

300000

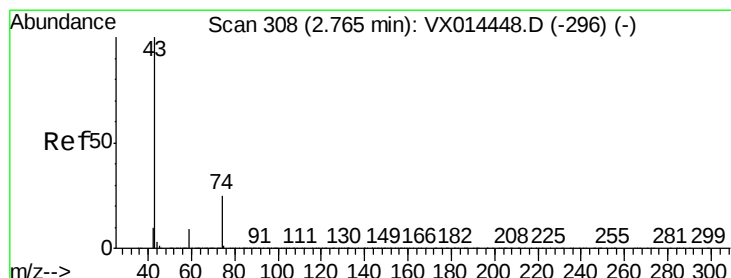
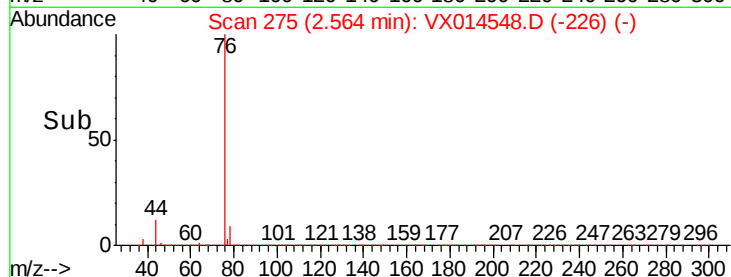
200000

100000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 59.910 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014548.D

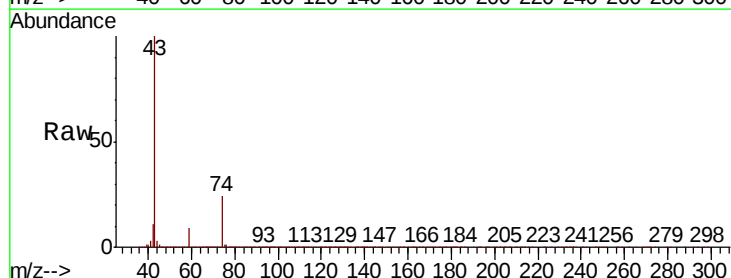
Acq: 10 Jan 2020 19:28

Tgt Ion: 43 Resp: 424380

Ion Ratio Lower Upper

43 100

74 23.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

250000

200000

150000

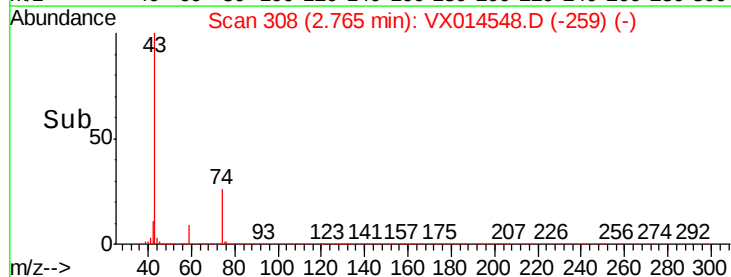
100000

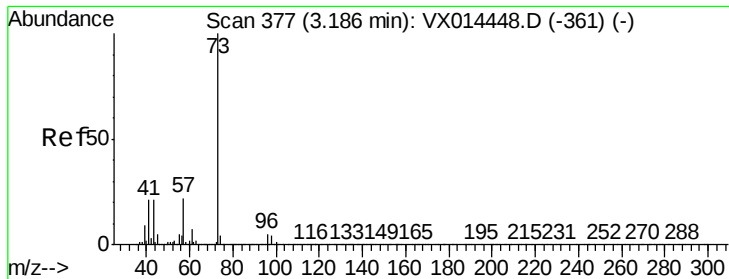
50000

0

2.70 2.80 2.90

Time-->





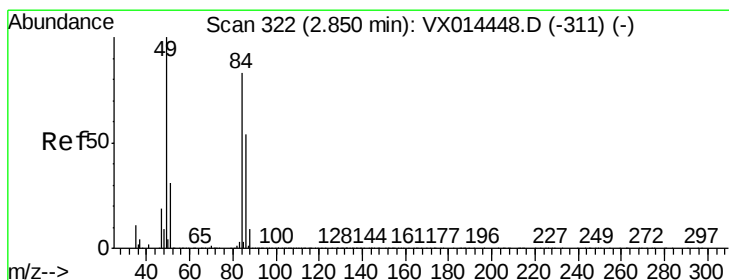
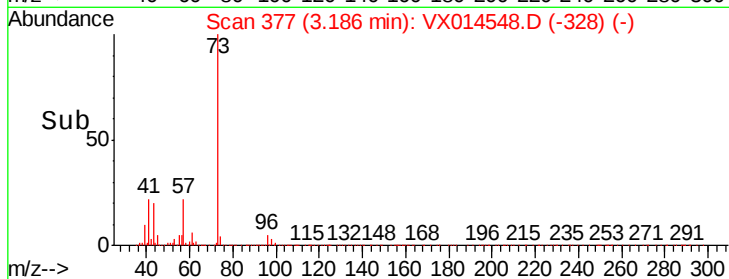
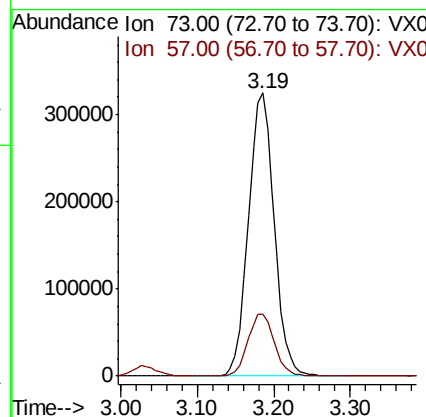
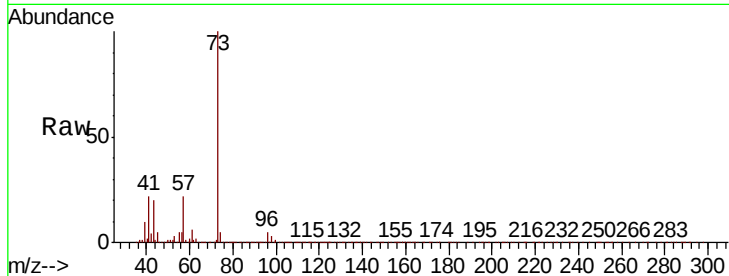
#19
Methyl tert-butyl Ether
Concen: 54.160 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.8	26.8

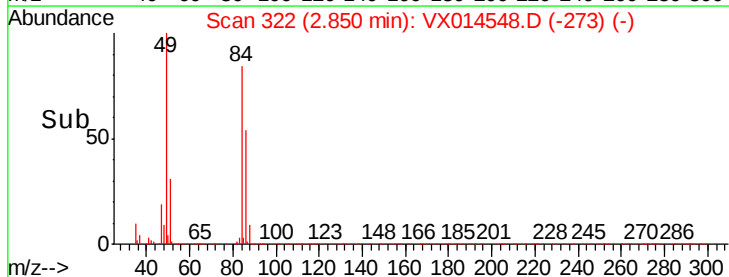
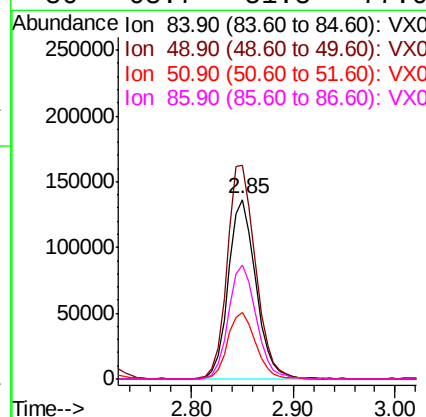
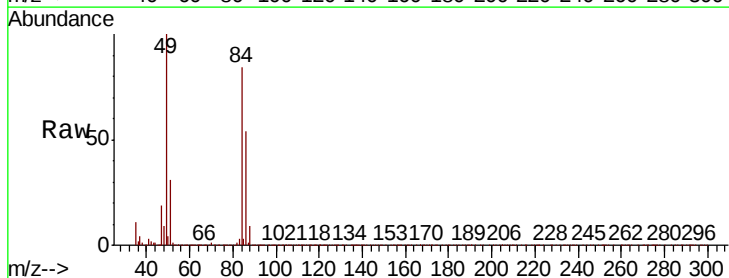
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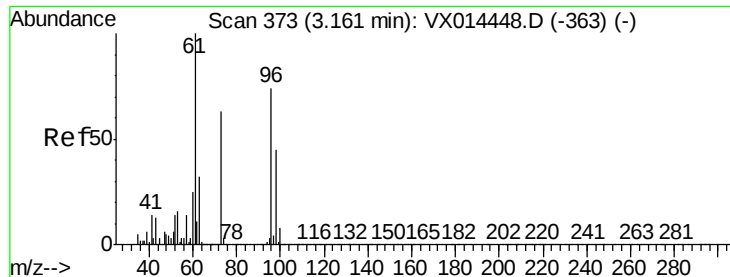
MMDadoda
1/13/2020 11:34:50 AM



#20
Methylene Chloride
Concen: 51.369 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.0	95.8	143.8
51	36.7	30.2	45.4
86	63.7	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 49.772 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

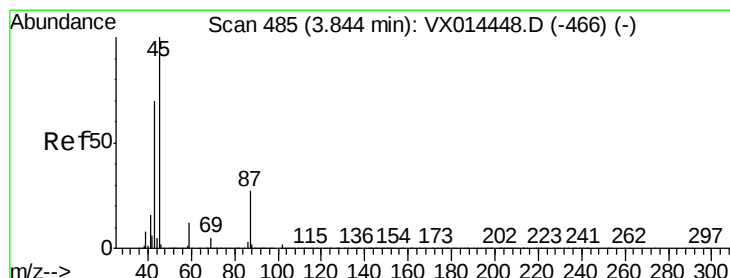
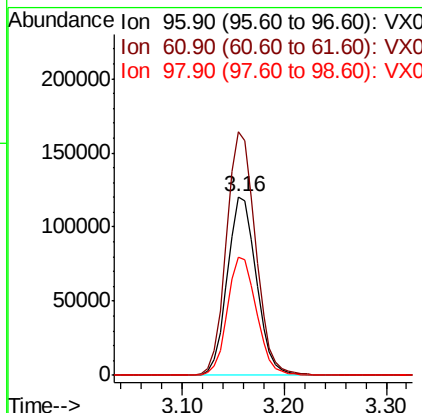
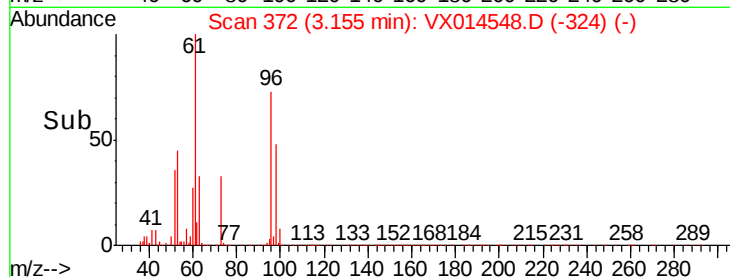
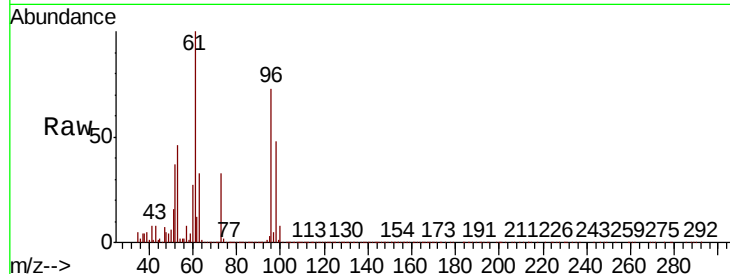
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	236928
Ion Ratio	Lower	Upper	
96	100		
61	136.4	108.2	162.4
98	66.0	48.8	73.2

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#22

Diisopropyl ether

Concen: 54.854 ug/l

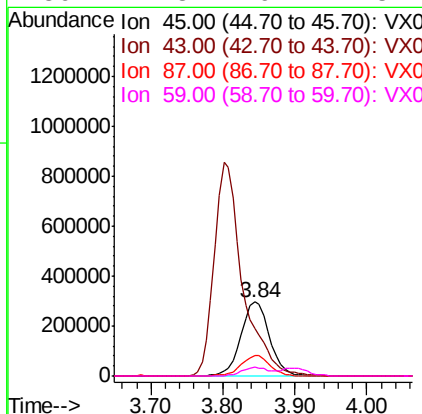
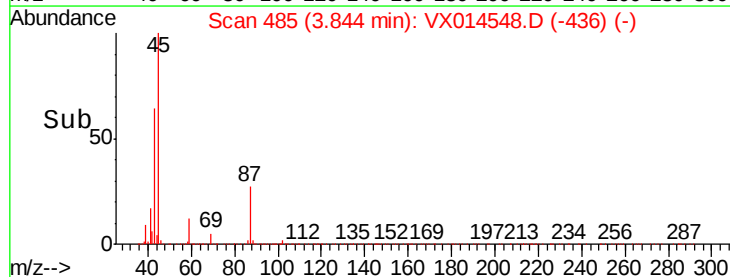
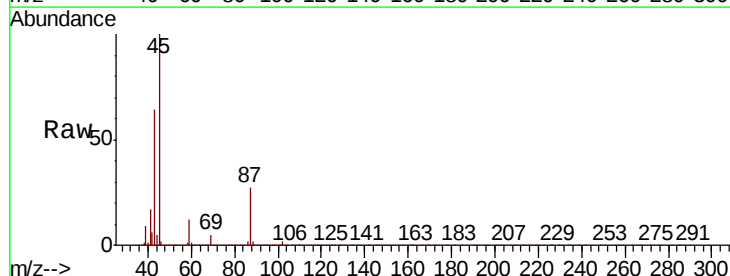
RT: 3.84 min Scan# 485

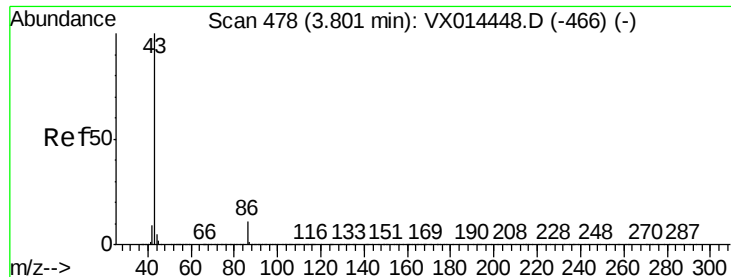
Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Tgt Ion:	45	Resp:	811527
Ion Ratio	Lower	Upper	
45	100		
43	64.2	55.8	83.6
87	27.2	21.8	32.8
59	11.8	9.1	13.7





#23

Vinyl Acetate

Concen: 205.813 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2357380

Ion Ratio Lower Upper

43 100

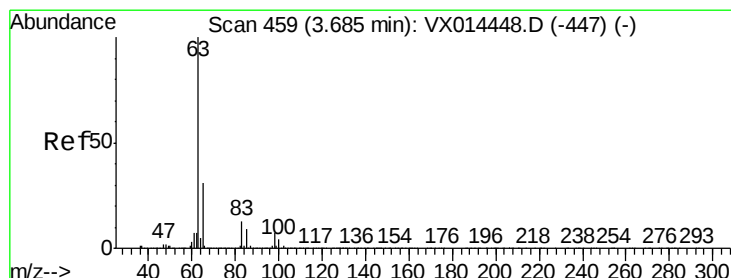
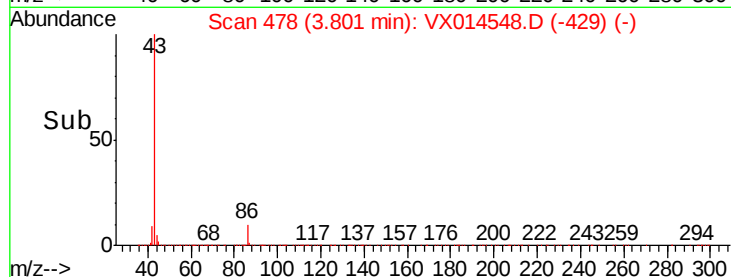
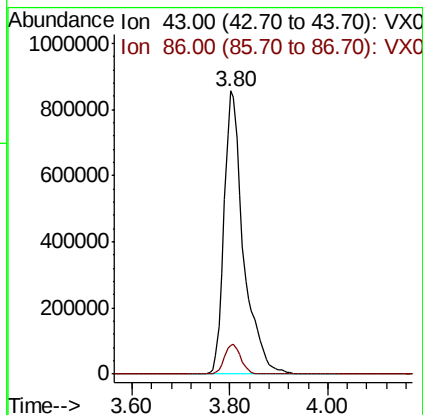
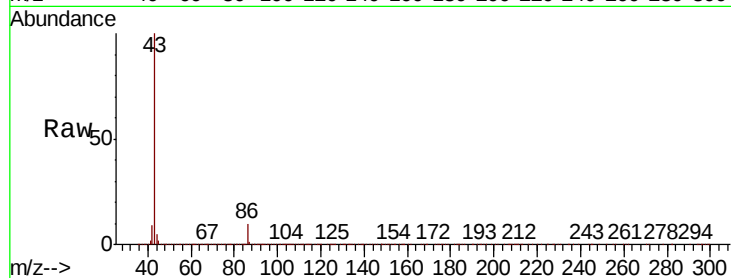
86 10.2 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 54.501 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

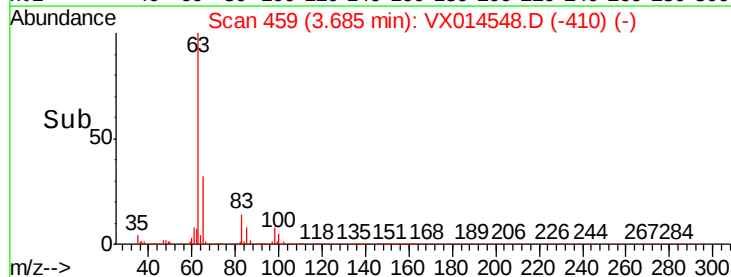
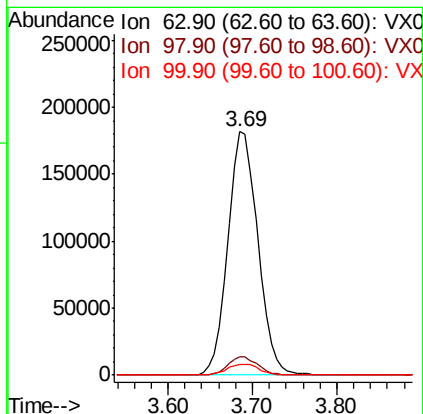
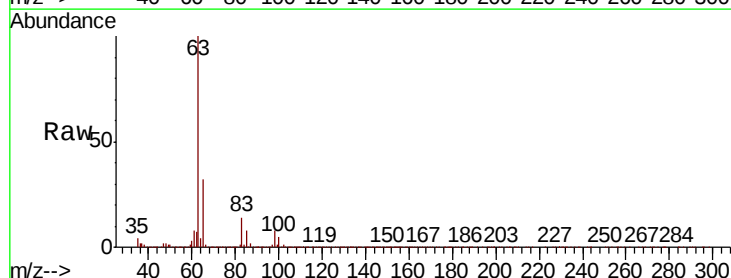
Tgt Ion: 63 Resp: 438626

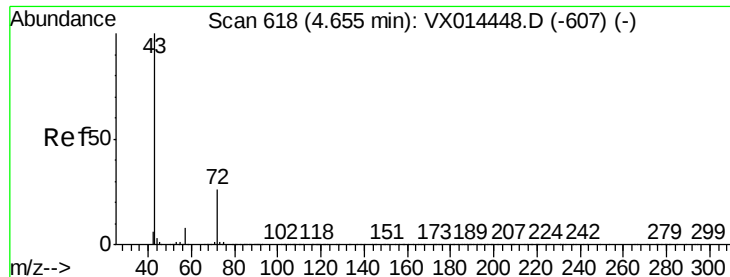
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 259.019 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 953573

Ion Ratio Lower Upper

43 100

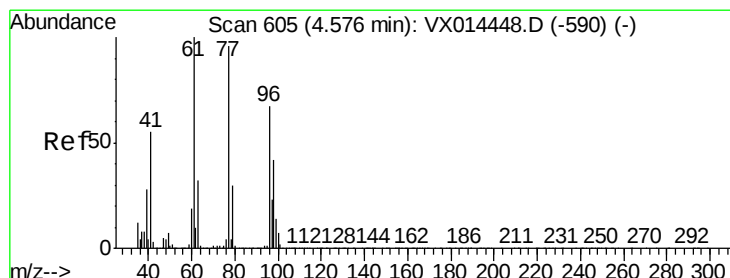
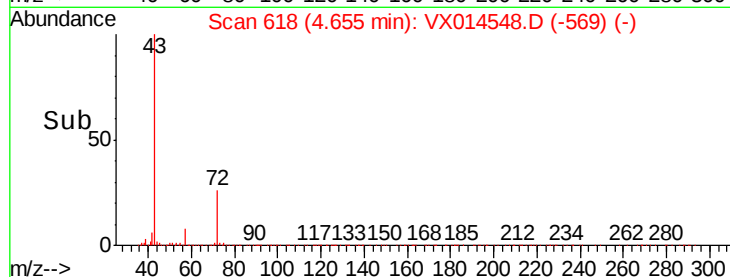
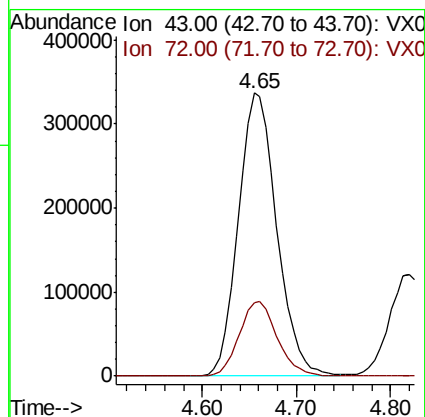
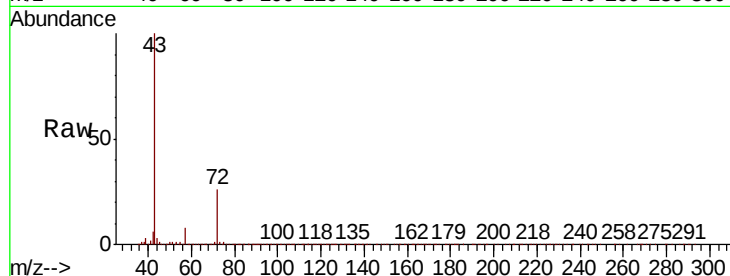
72 26.1 20.6 31.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.745 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014548.D

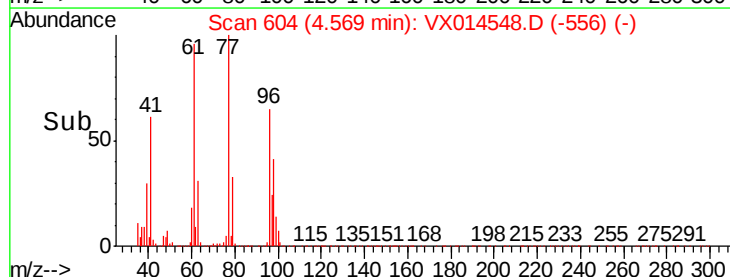
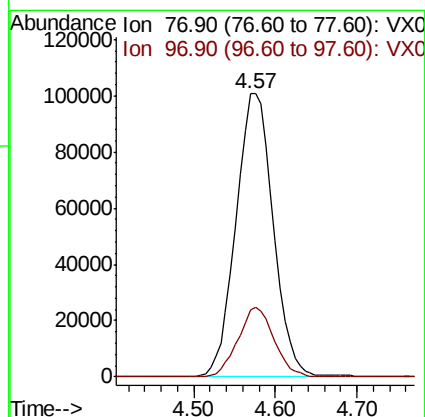
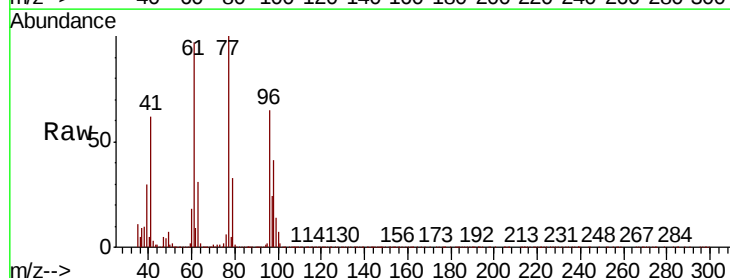
Acq: 10 Jan 2020 19:28

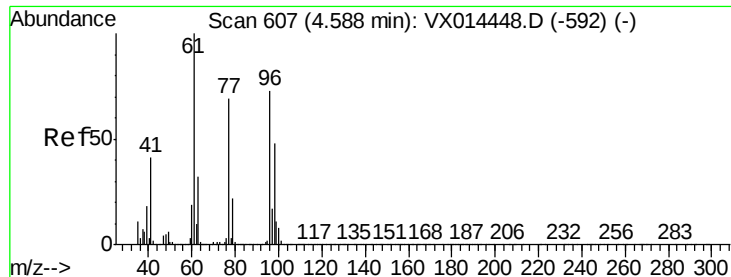
Tgt Ion: 77 Resp: 318686

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1





#27

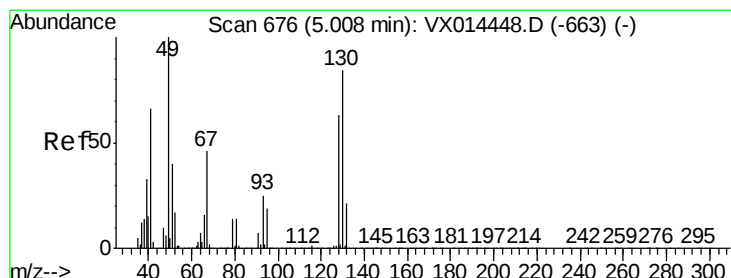
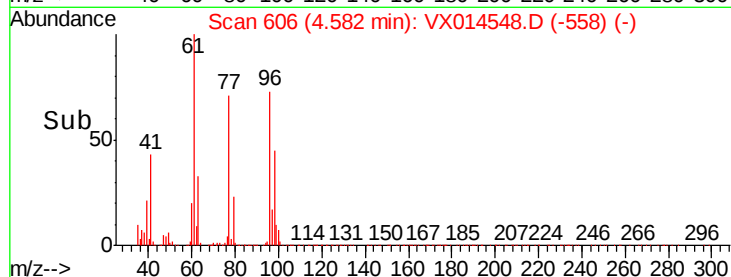
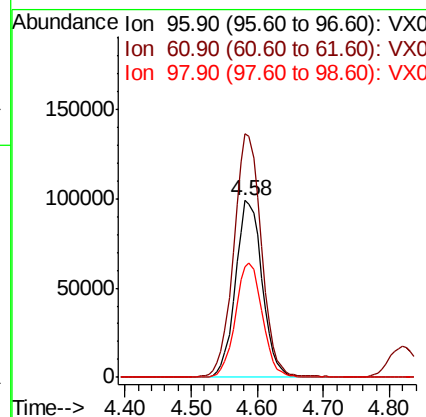
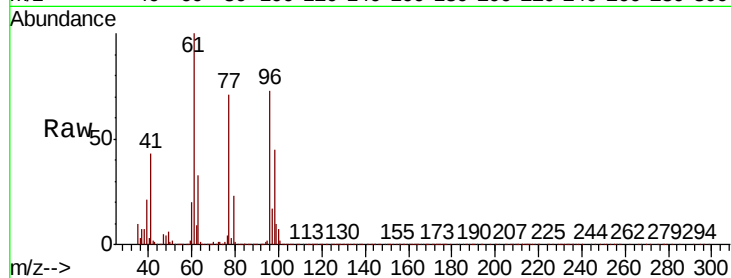
cis-1,2-Dichloroethene
Concen: 52.019 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	276820		
61	142.1	0.0	285.4	
98	64.8	0.0	130.6	

Manual Integrations
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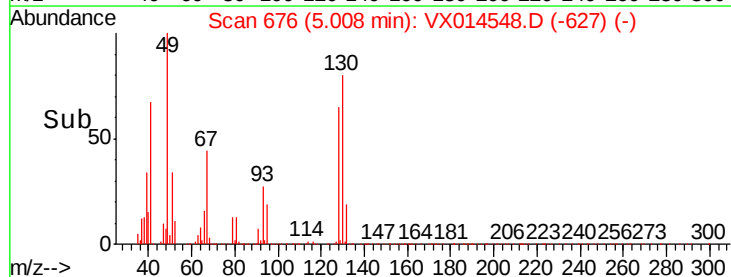
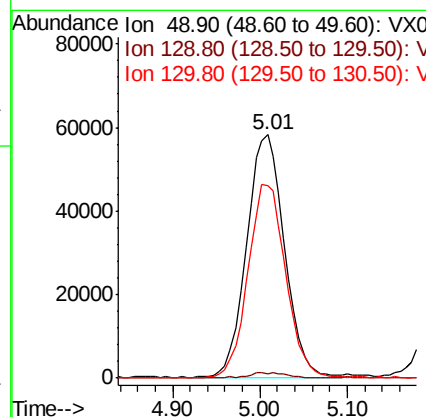
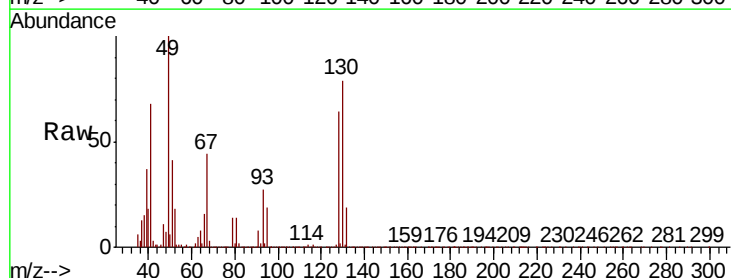
MMDadoda
1/13/2020 11:34:50 AM

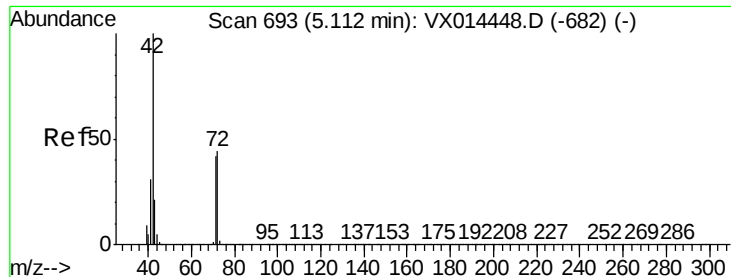


#28

Bromochloromethane
Concen: 51.553 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	174828		
129	2.3	0.0	4.4	
130	79.3	67.0	100.4	





#29

Tetrahydrofuran

Concen: 279.654 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

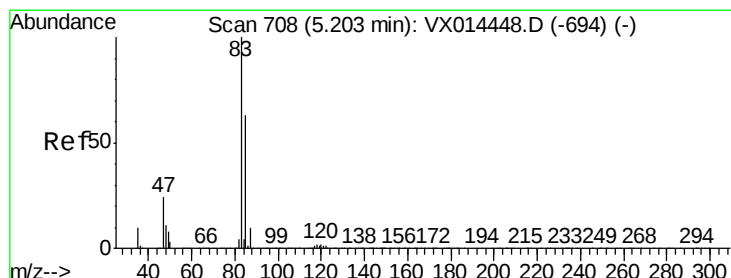
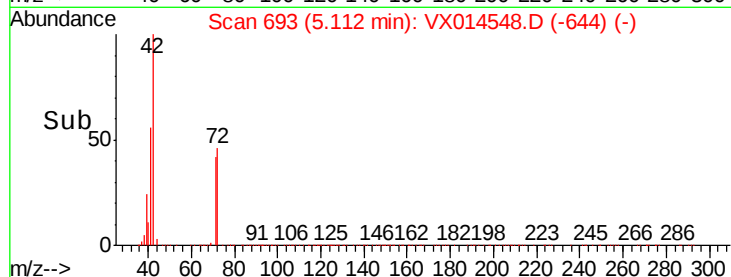
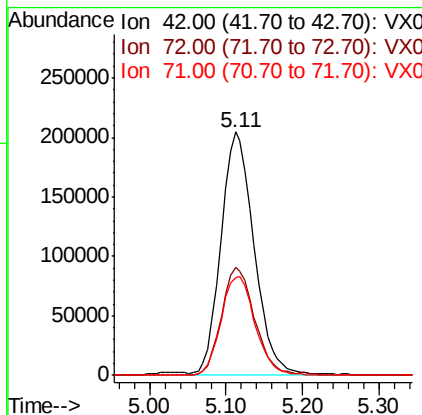
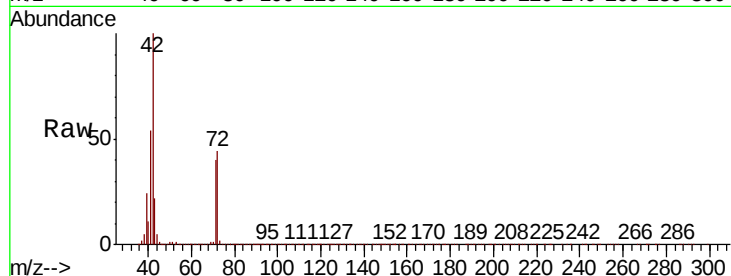
ClientSampleId :

VSTDCCC050EC

Tot Ion	42	Resp	608705
Ion Ratio	Lower	Upper	
42	100		
72	45.1	36.2	54.4
71	42.1	34.1	51.1

Manual Integrations
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#30

Chloroform

Concen: 54.406 ug/l

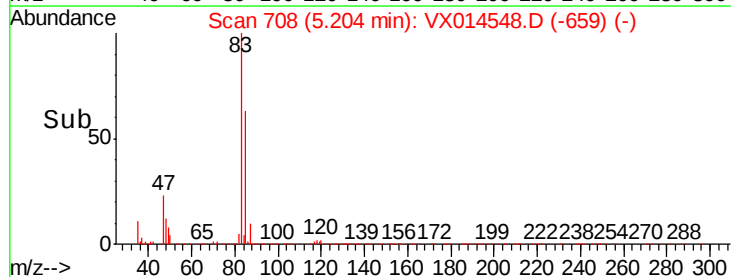
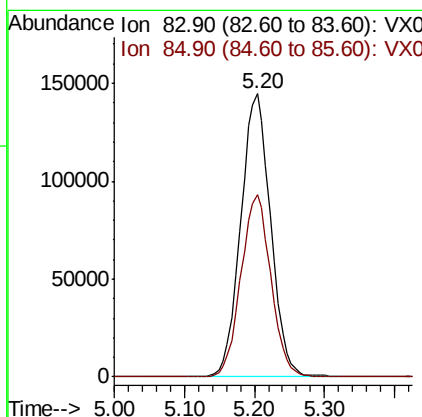
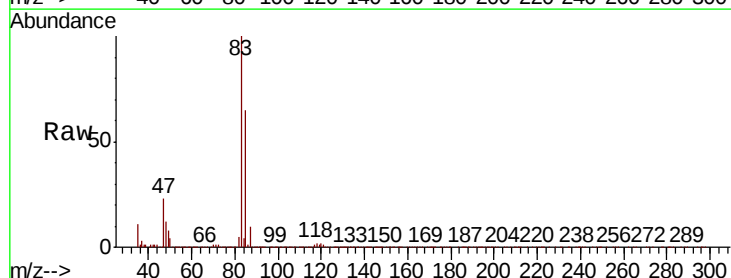
RT: 5.20 min Scan# 708

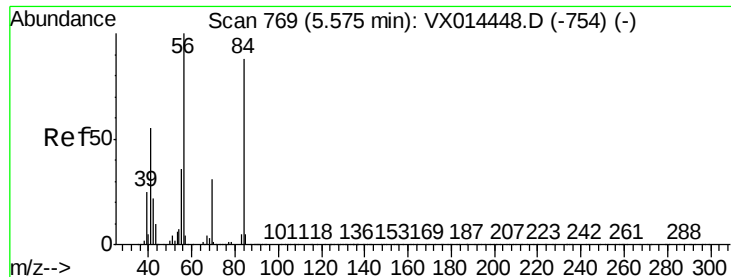
Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Tgt Ion	83	Resp	427866
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.6	75.8





#31

Cyclohexane

Concen: 54.380 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

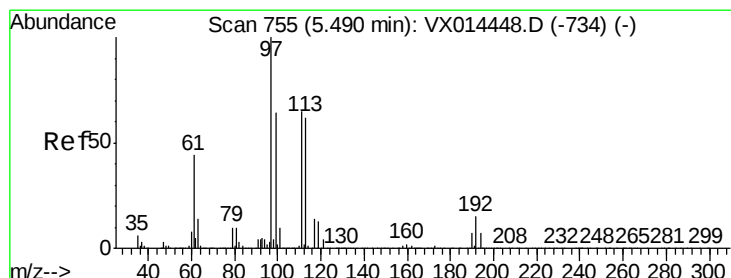
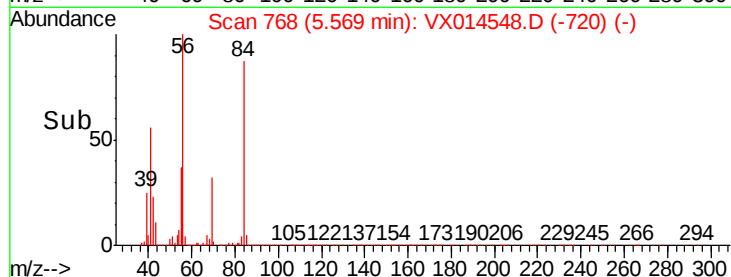
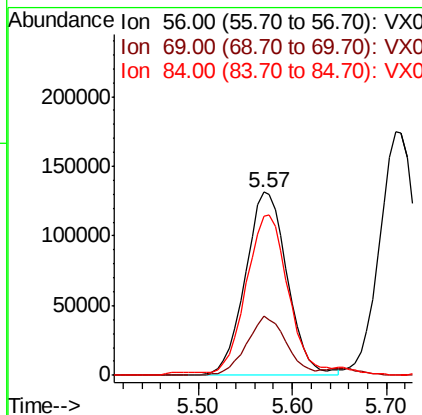
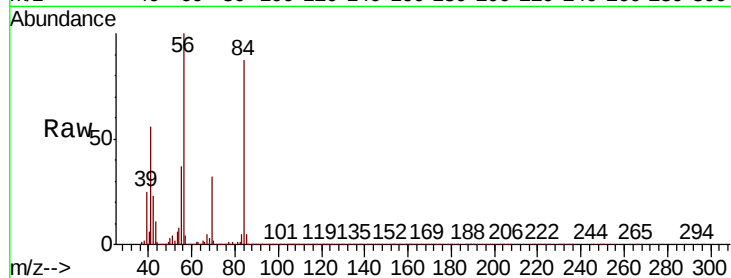
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	24.4	36.6
84	85.6	70.6	106.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.618 ug/l

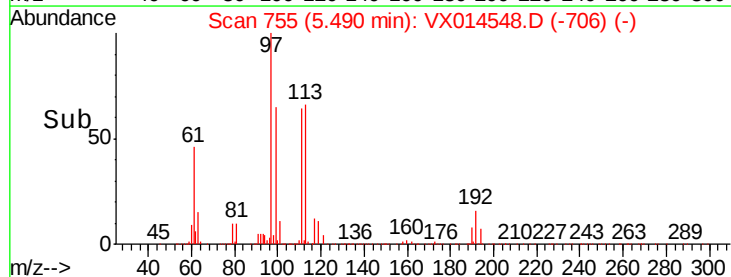
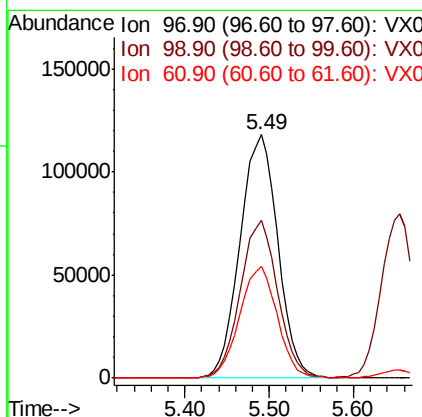
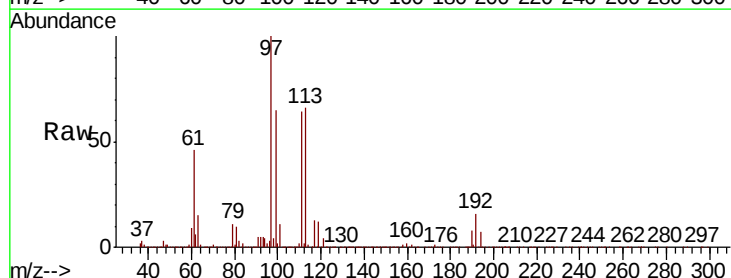
RT: 5.49 min Scan# 755

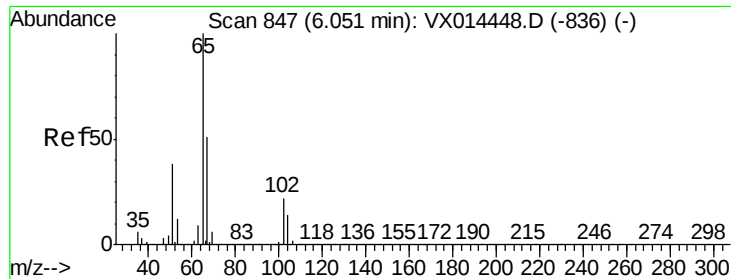
Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.6
61	45.4	35.9	53.9





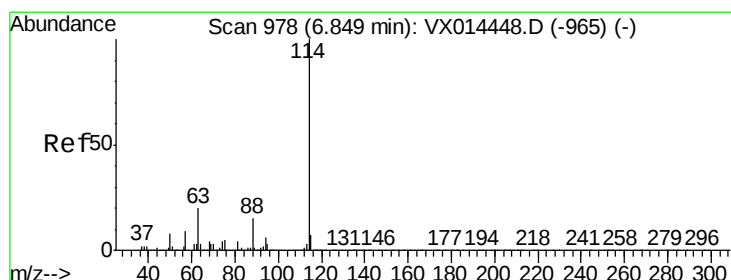
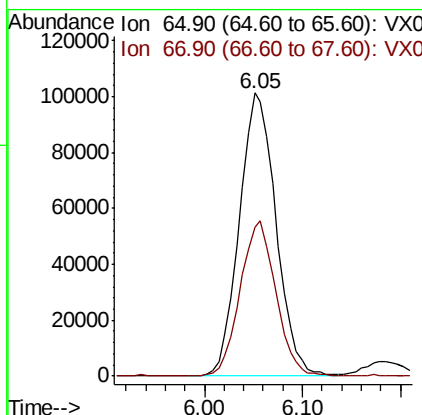
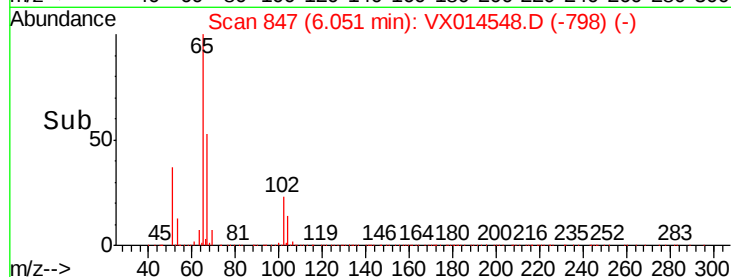
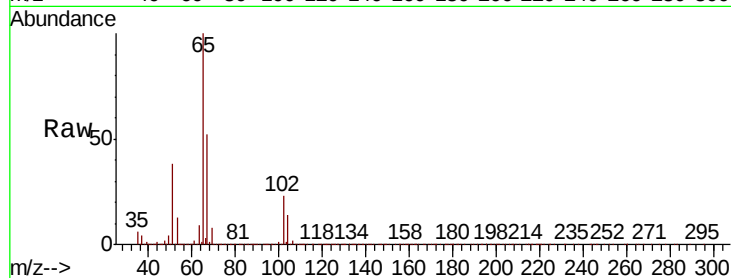
#33
 1,2-Dichloroethane-d4
 Concen: 53.036 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014548.D
 Acq: 10 Jan 2020 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	106.2

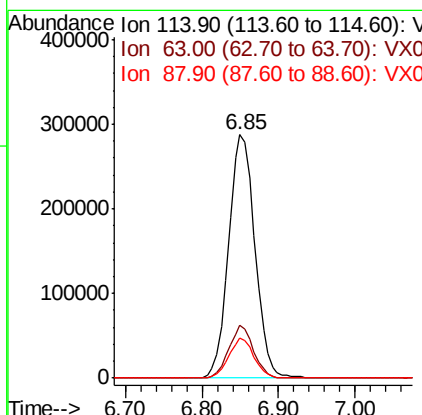
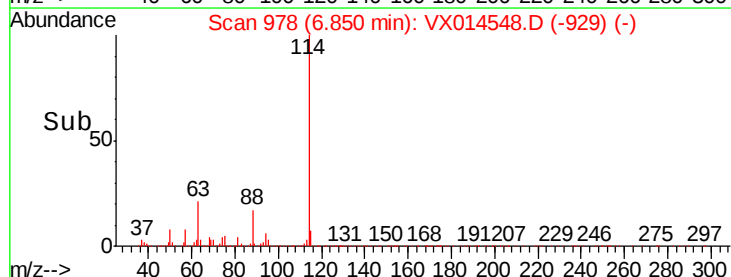
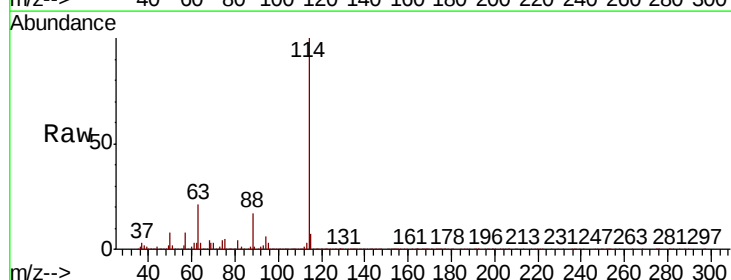
Manual Integrations
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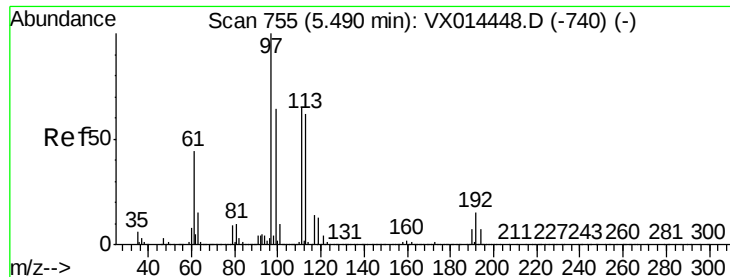
MMDadoda
 1/13/2020 11:34:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014548.D
 Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	39.6
88	16.6	0.0	30.8





#35

Dibromofluoromethane

Concen: 52.489 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

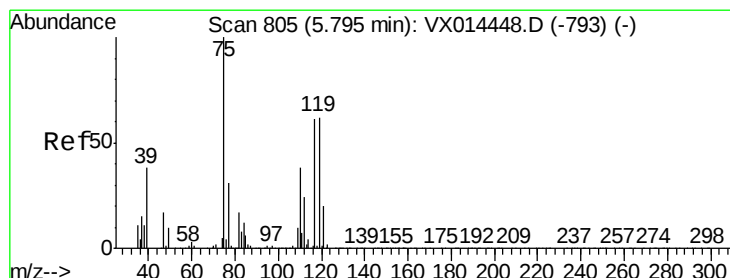
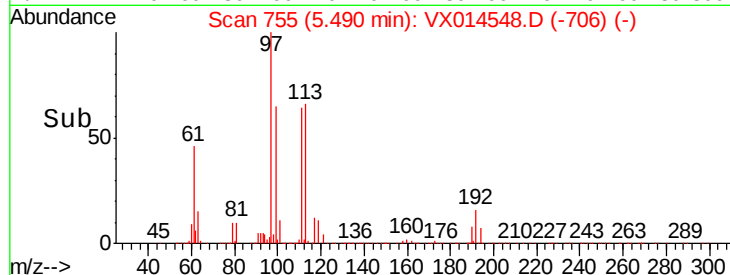
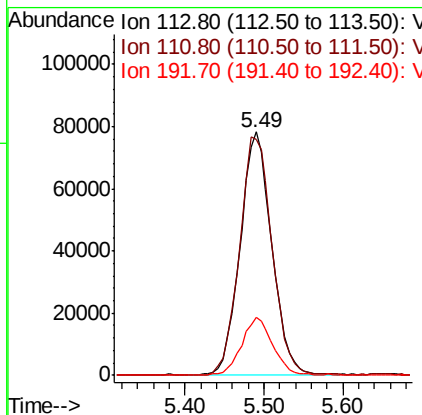
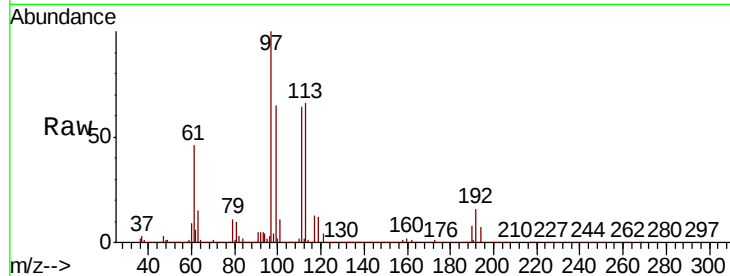
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	217345
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.5	122.3
192	23.7	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 50.239 ug/l

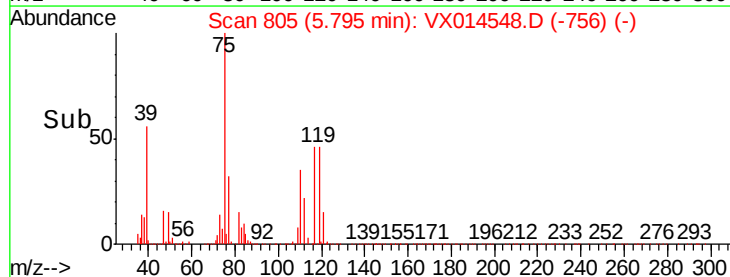
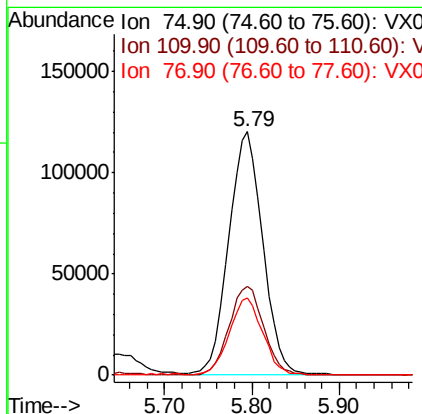
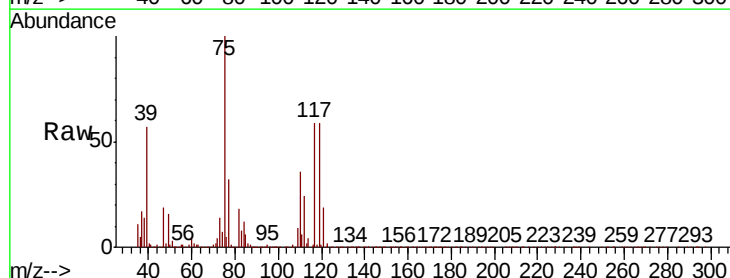
RT: 5.79 min Scan# 805

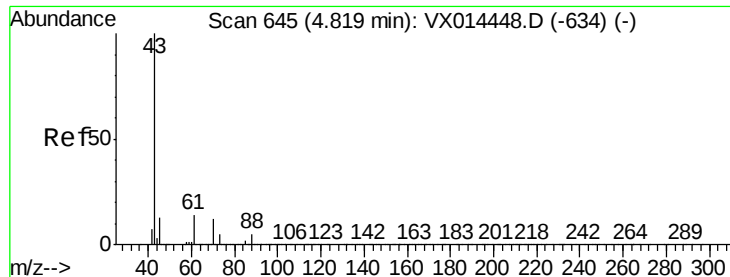
Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Tgt Ion:	75	Resp:	323175
Ion Ratio	Lower	Upper	
75	100		
110	37.1	18.6	55.8
77	31.1	24.5	36.7





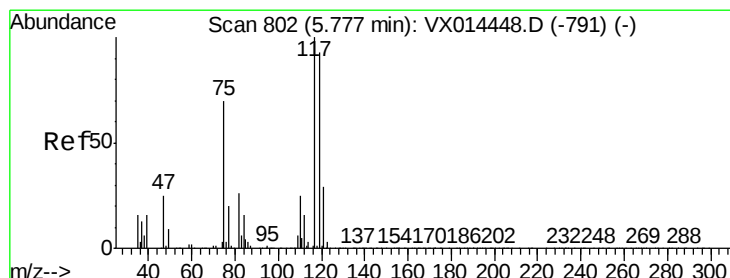
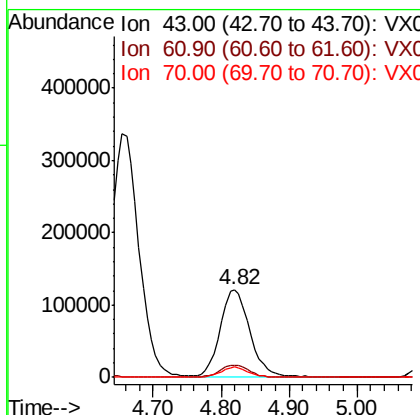
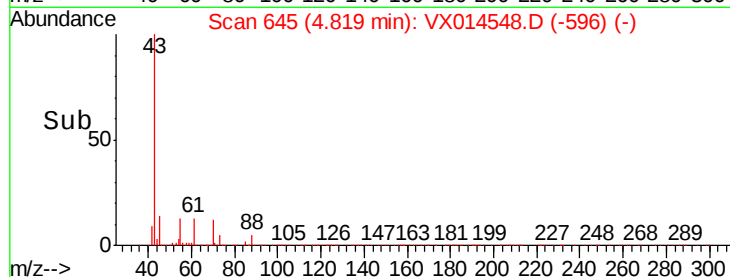
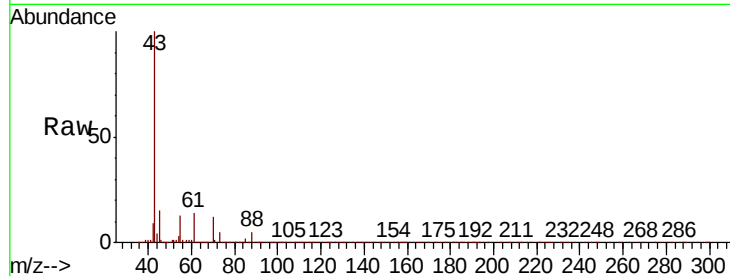
#37
Ethyl Acetate
Concen: 52.419 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	366271
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	10.7	8.9	13.3

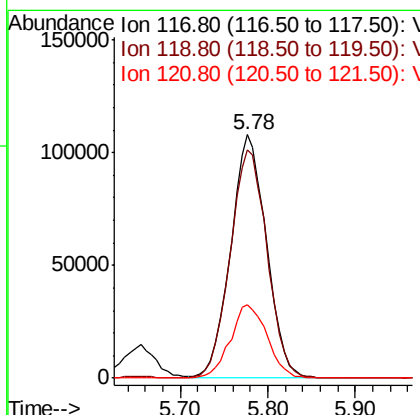
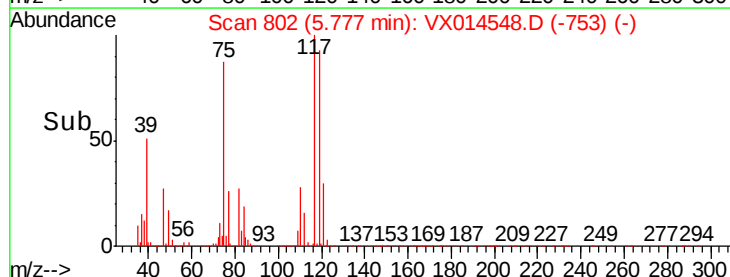
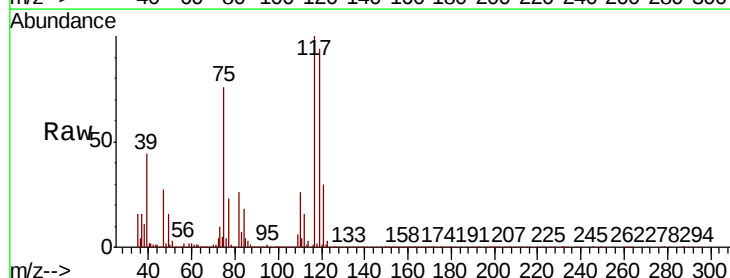
Manual Integrations
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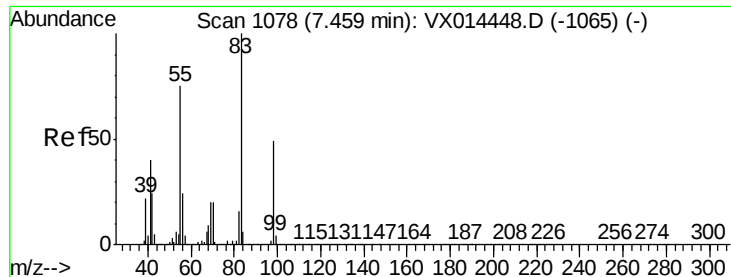
MMDadoda
1/13/2020 11:34:50 AM



#38
Carbon Tetrachloride
Concen: 51.626 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	117	Resp	305606
Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.8	110.8
121	29.7	23.4	35.0





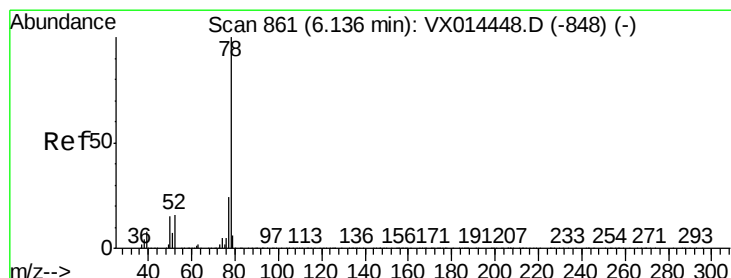
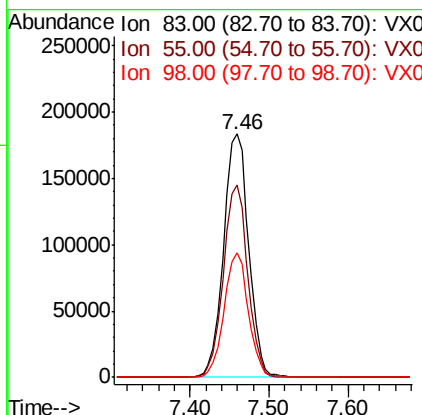
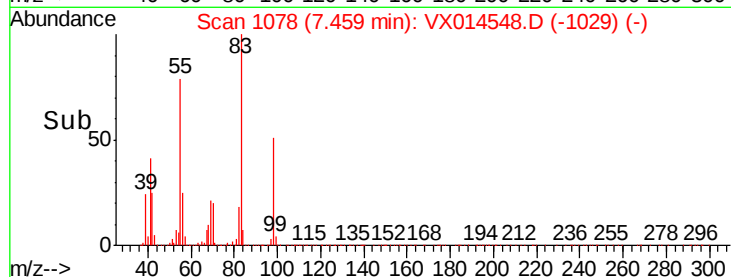
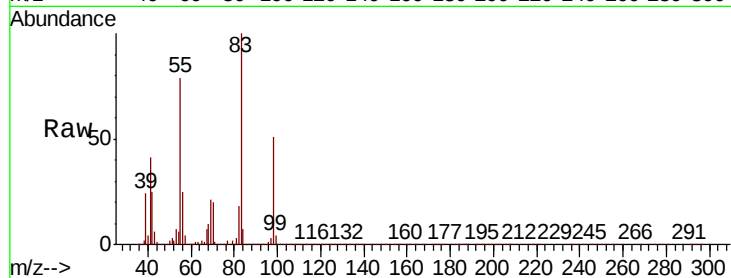
#39
Methvlcvclohexane
Concen: 50.220 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	59.7	89.5
98	51.1	39.1	58.7

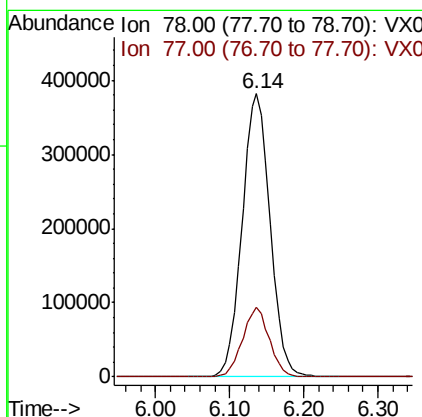
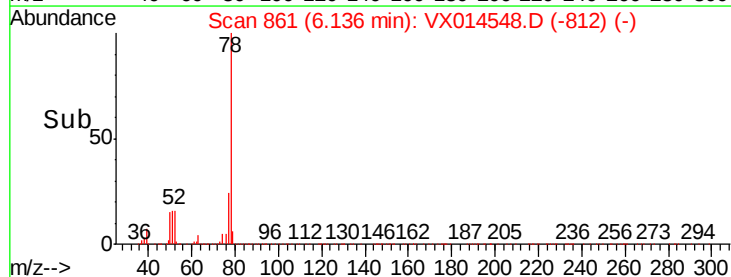
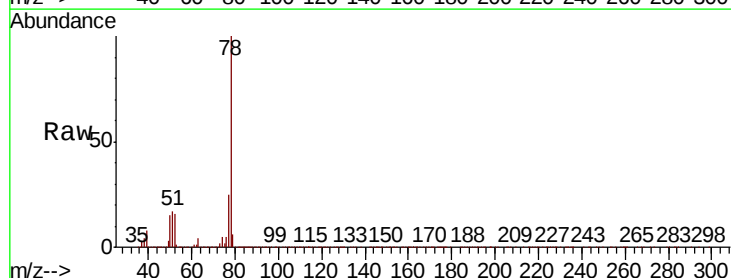
Manual Integrations
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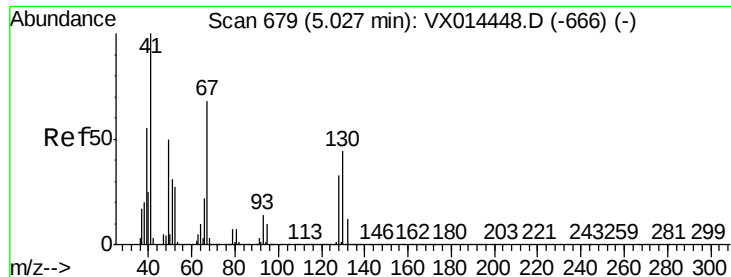
MMDadoda
1/13/2020 11:34:50 AM



#40
Benzene
Concen: 52.647 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.5	29.3





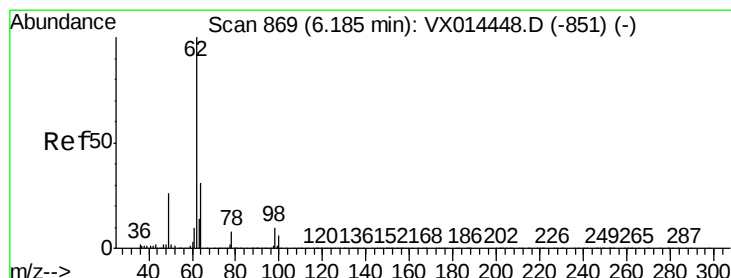
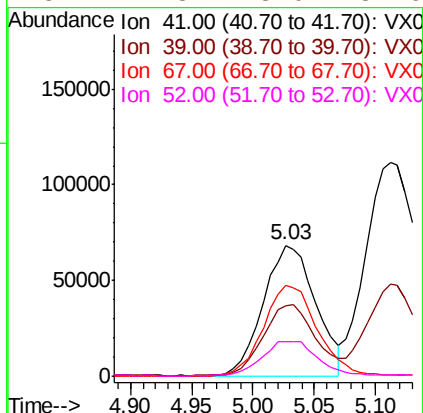
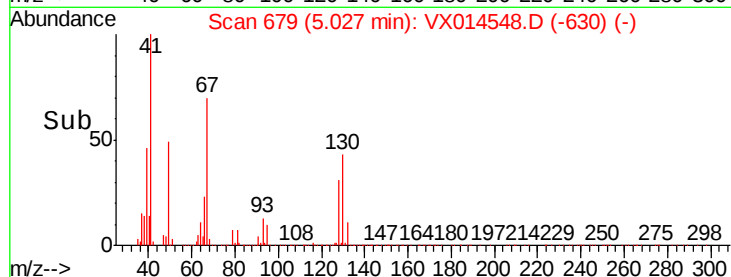
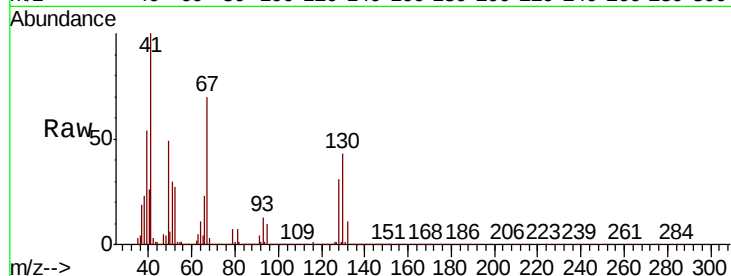
#41
Methacrylonitrile
Concen: 54.598 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.6	65.4
67	71.7	57.9	86.9
52	27.8	23.0	34.6

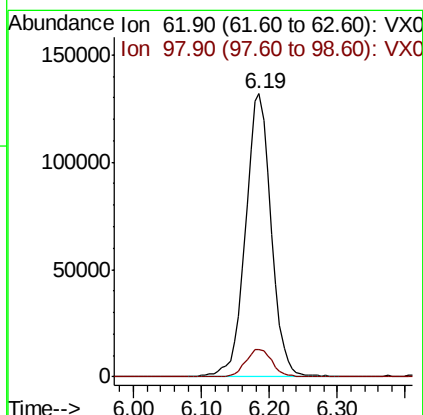
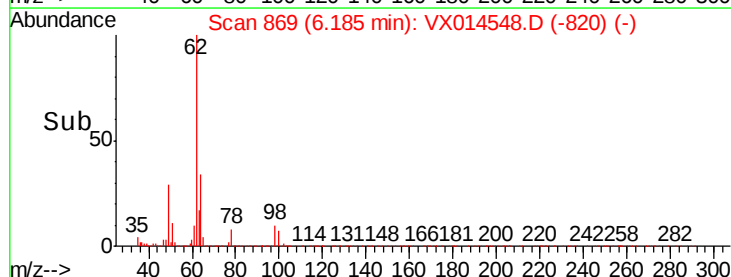
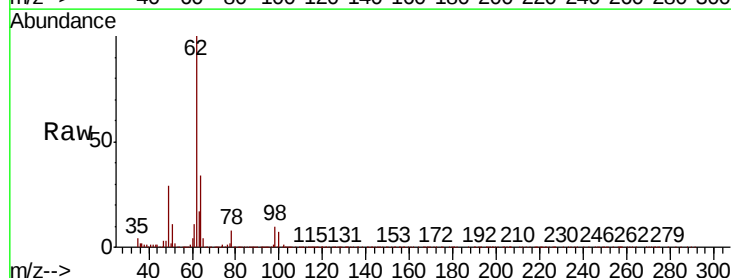
Manual Integrations
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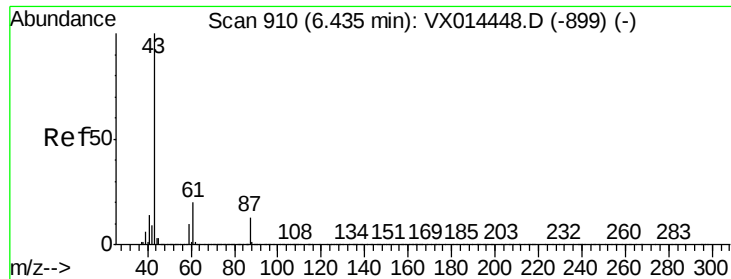
MMDadoda
1/13/2020 11:34:50 AM



#42
1,2-Dichloroethane
Concen: 51.447 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4





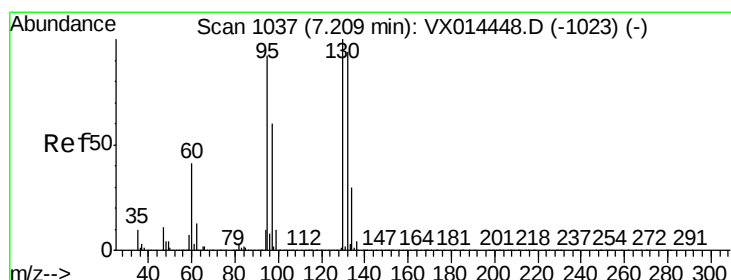
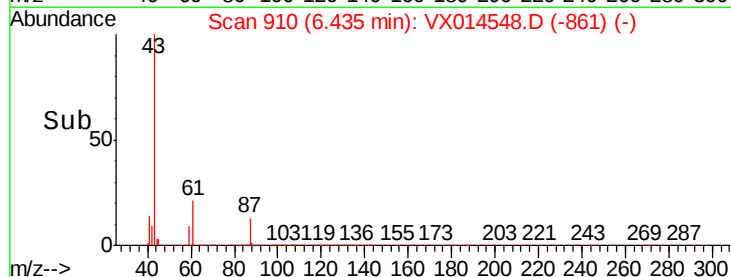
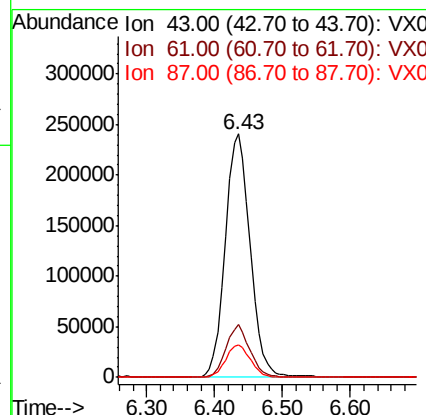
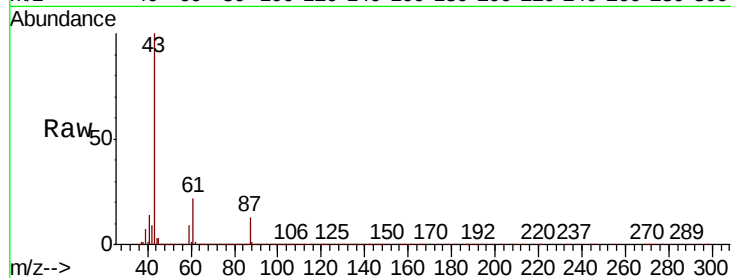
#43
Isopropyl Acetate
Concen: 53.877 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.6	24.8
87	13.5	10.8	16.2

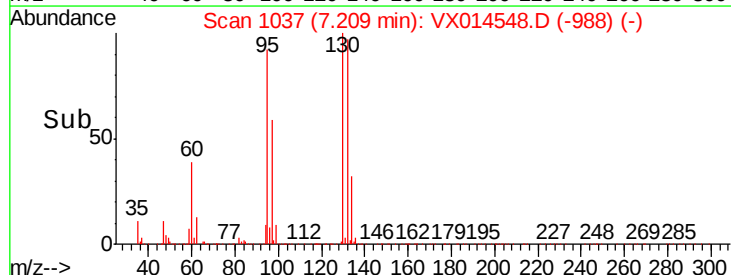
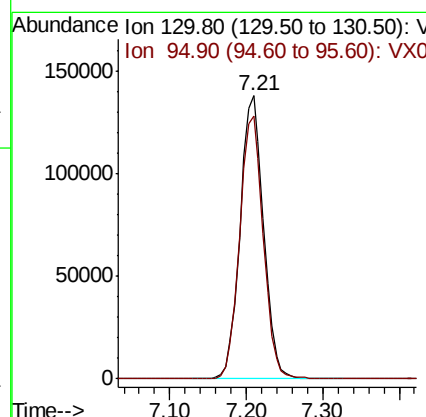
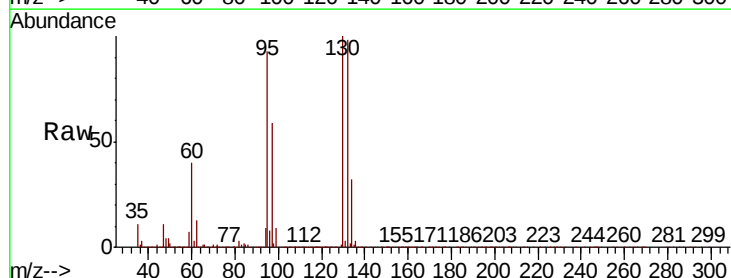
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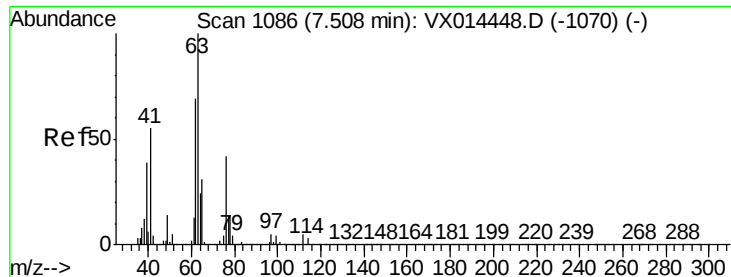
MMDadoda
1/13/2020 11:34:50 AM



#44
Trichloroethene
Concen: 53.122 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	184.2





#45

1,2-Dichloropropane

Concen: 53.003 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 257999

Ion Ratio Lower Upper

63 100

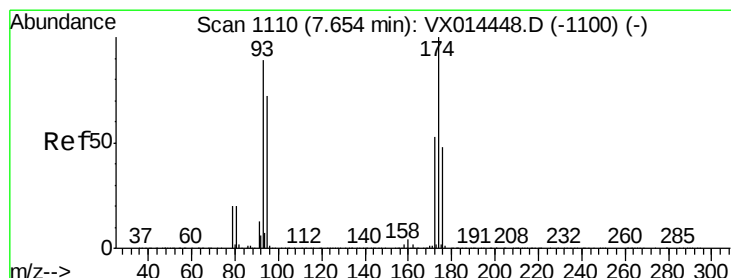
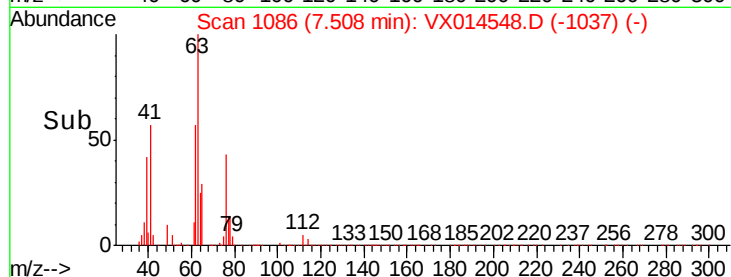
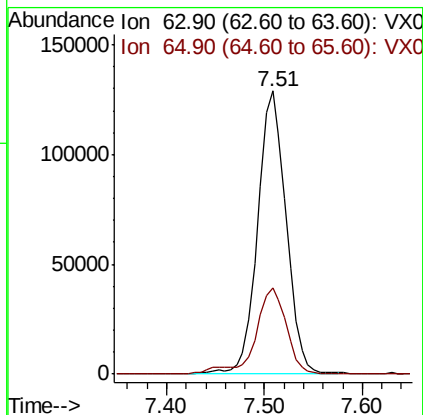
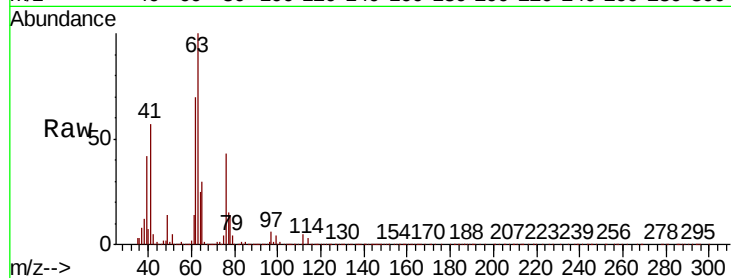
65 30.2 24.8 37.2

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#46

Dibromomethane

Concen: 49.655 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

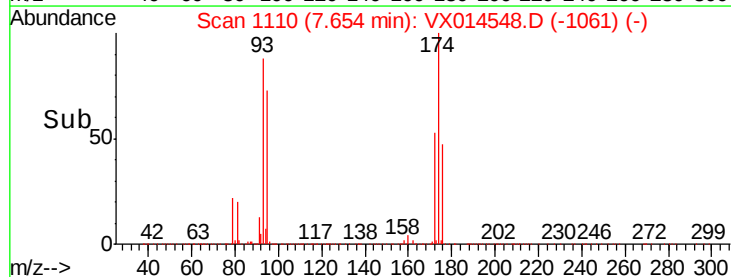
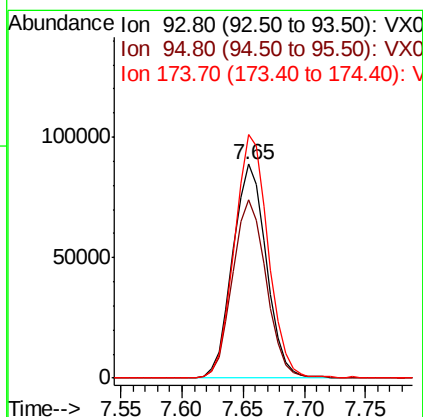
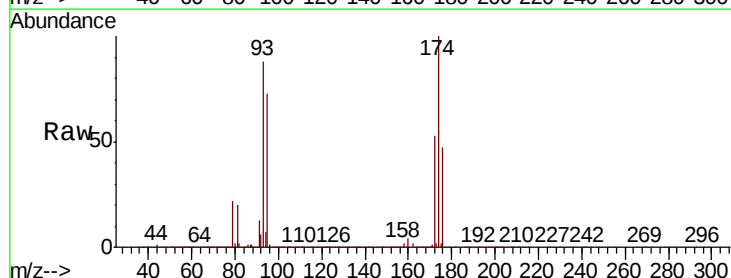
Tgt Ion: 93 Resp: 168699

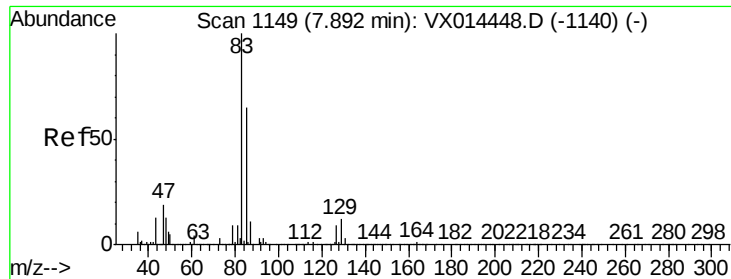
Ion Ratio Lower Upper

93 100

95 83.4 65.4 98.2

174 114.9 93.0 139.4





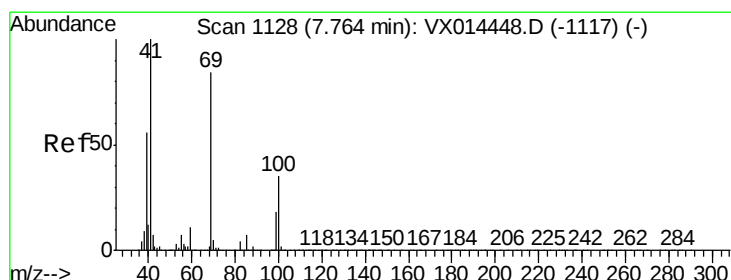
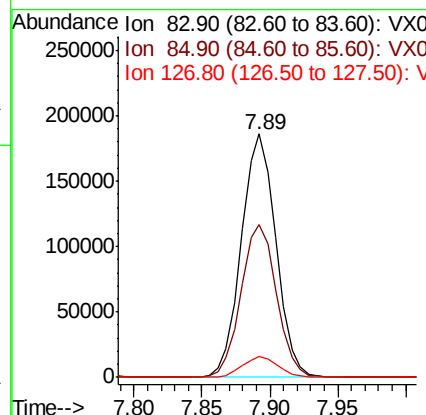
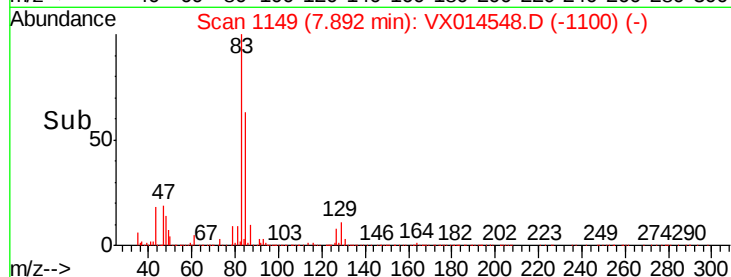
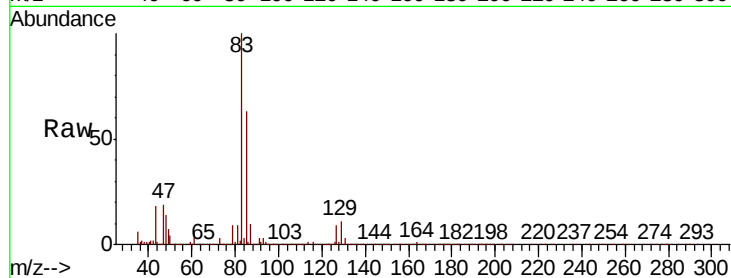
#47
Bromodichloromethane
Concen: 53.480 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.7	77.5
127	8.5	7.1	10.7

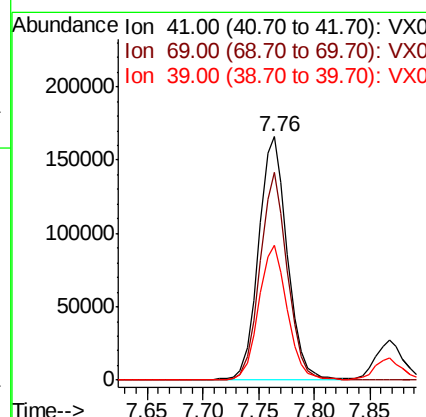
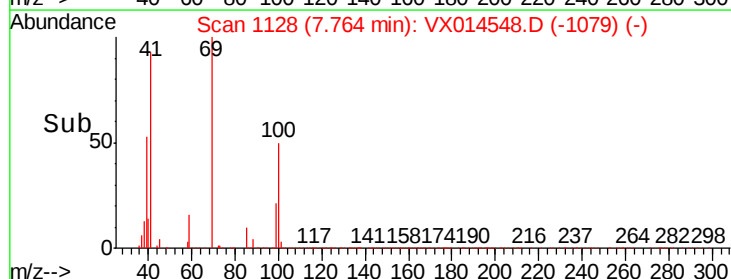
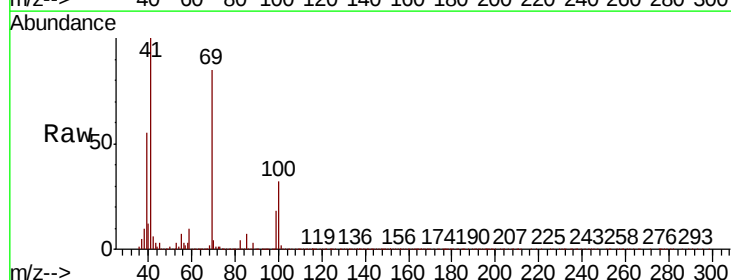
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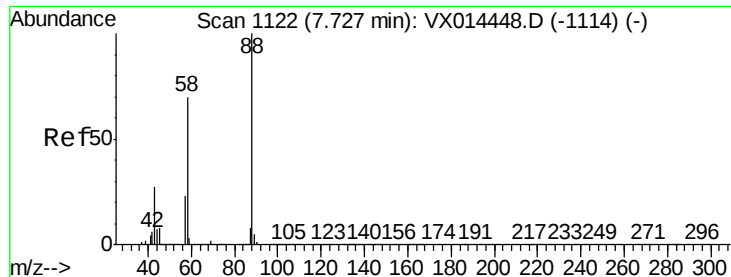
MMDadoda
1/13/2020 11:34:50 AM



#48
Methyl methacrylate
Concen: 54.856 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.9	65.5	98.3
39	55.0	43.9	65.9





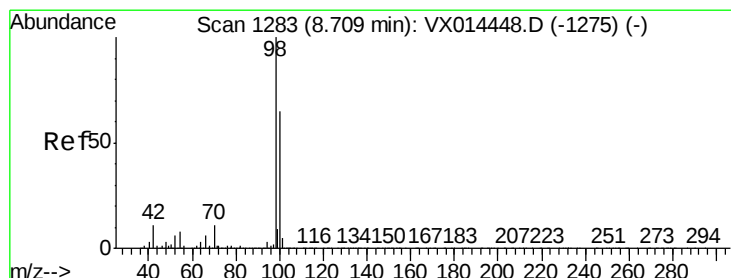
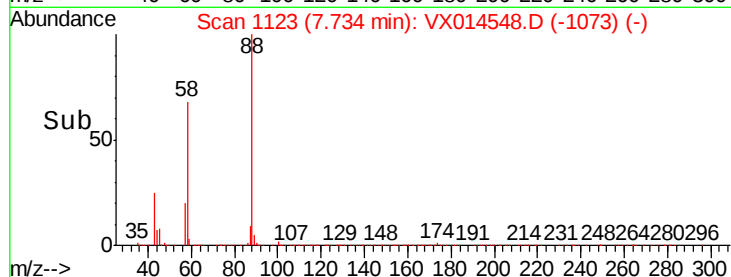
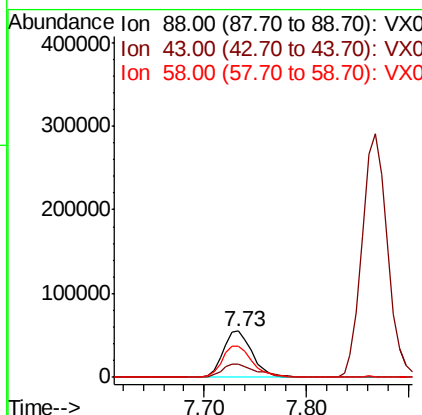
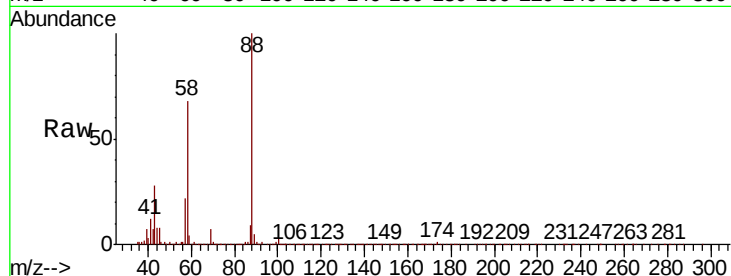
#49
1,4-Dioxane
Concen: 937.192 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	27.4	41.0
58	71.4	57.1	85.7

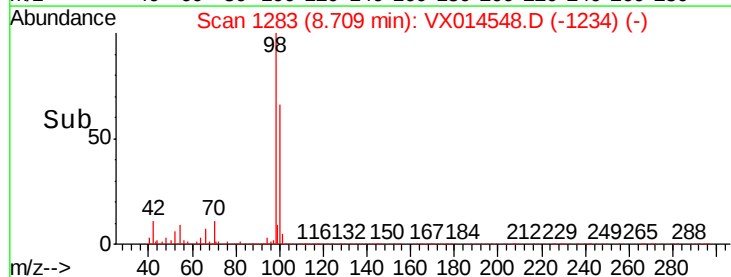
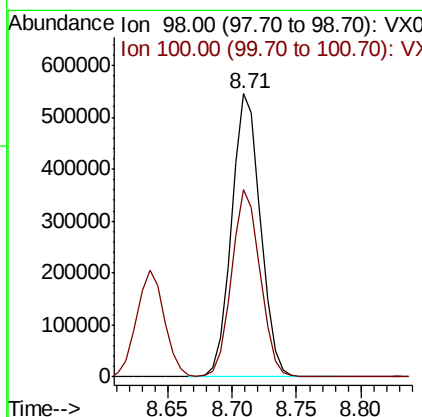
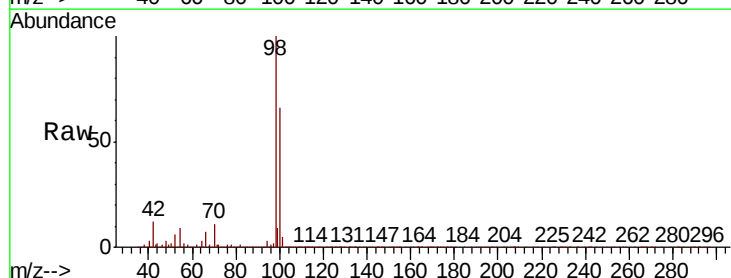
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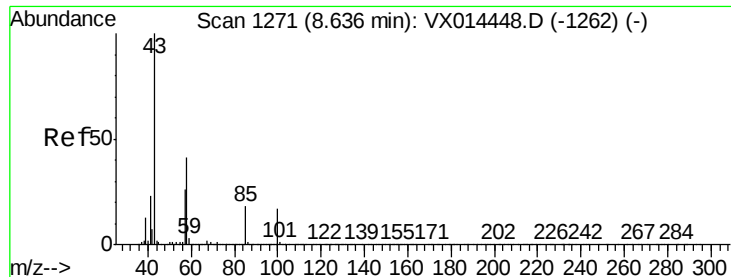
MMDadoda
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#50
Toluene-d8
Concen: 52.842 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.2	79.8





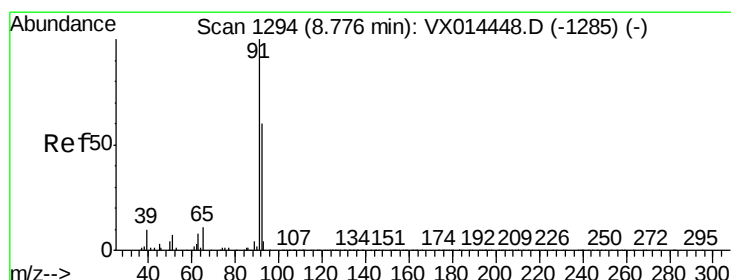
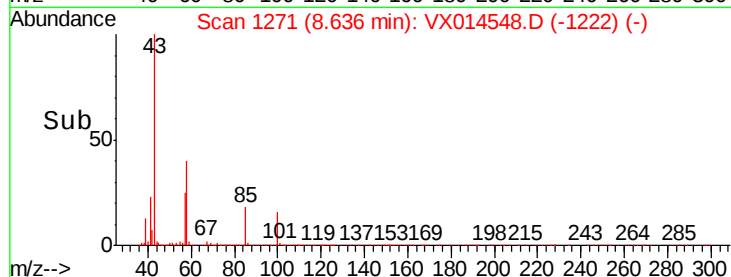
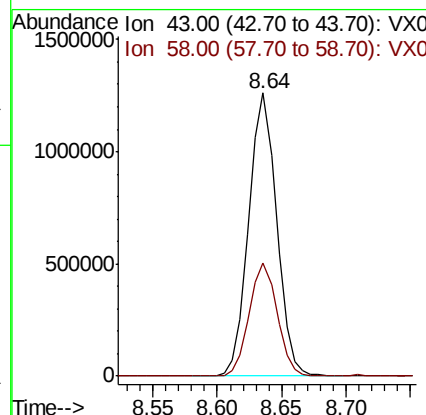
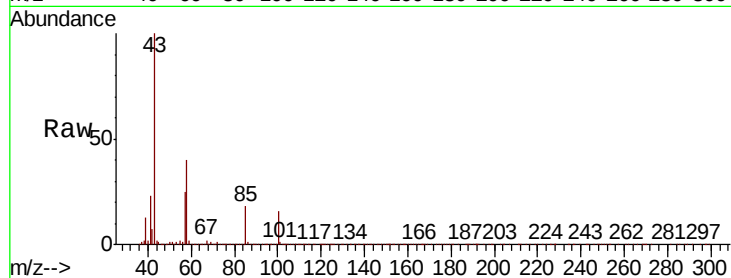
#51
4-Methyl-2-Pentanone
Concen: 274.066 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1885114
Ion Ratio Lower Upper
43 100
58 40.1 32.4 48.6

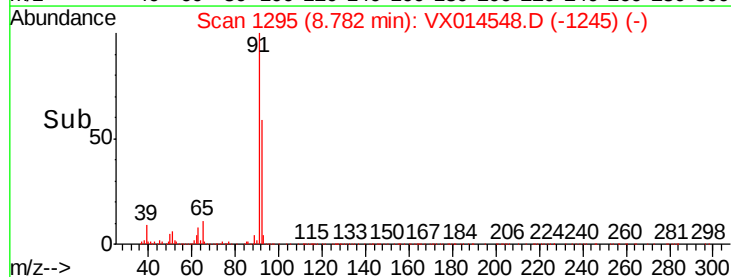
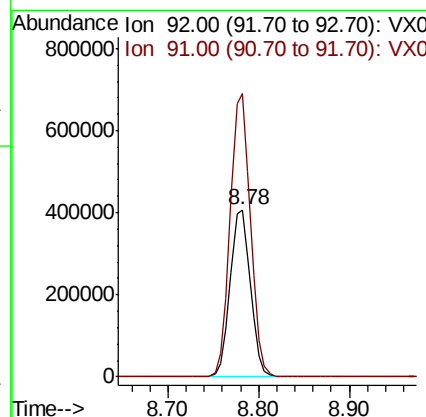
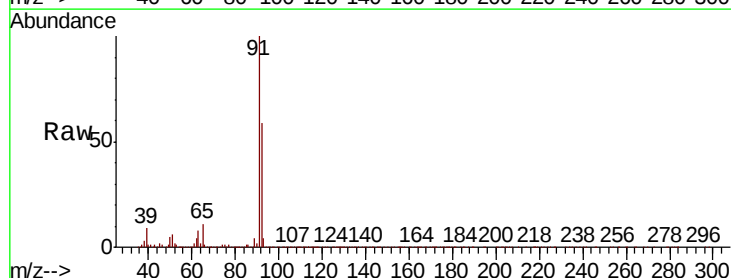
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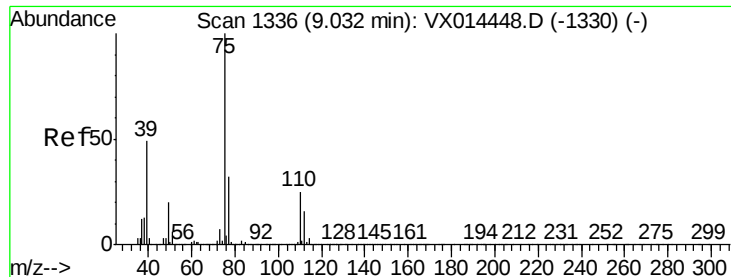
MMDadoda
1/13/2020 11:34:50 AM



#52
Toluene
Concen: 51.676 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion: 92 Resp: 631574
Ion Ratio Lower Upper
92 100
91 169.5 135.7 203.5





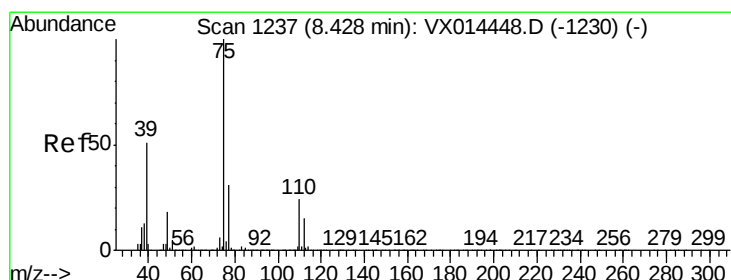
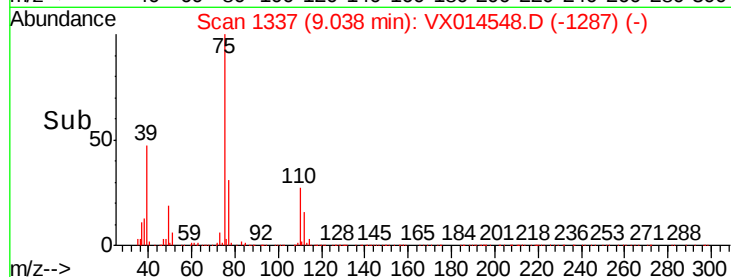
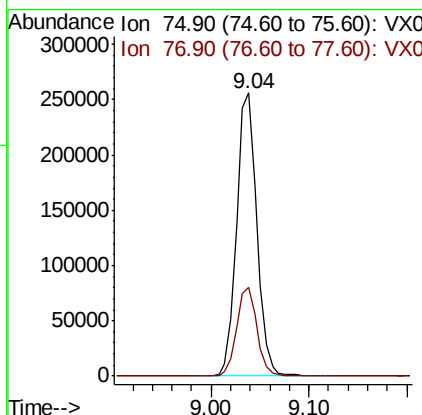
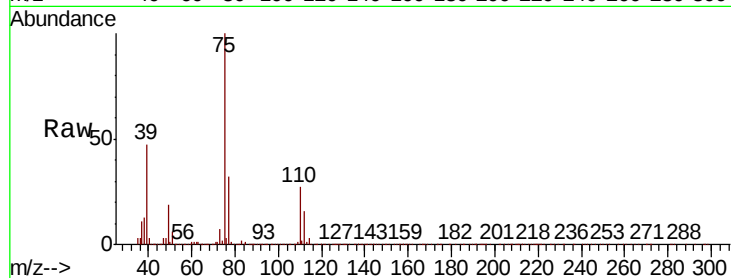
#53
t-1,3-Dichloropropene
Concen: 50.839 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2

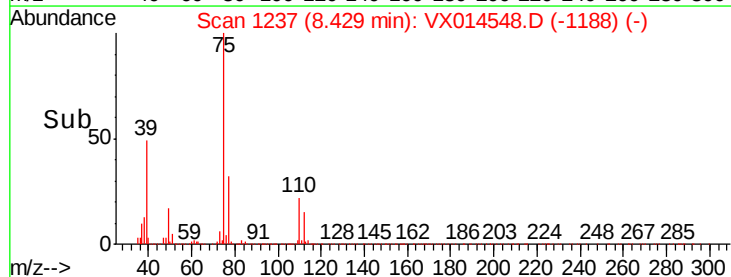
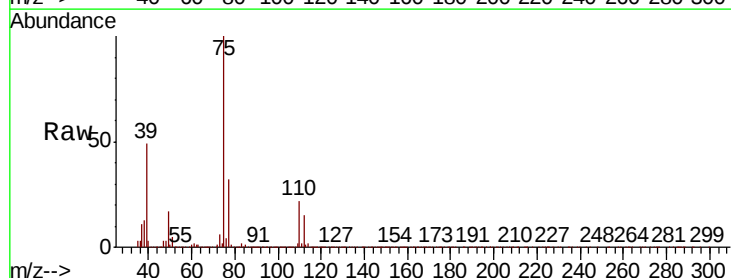
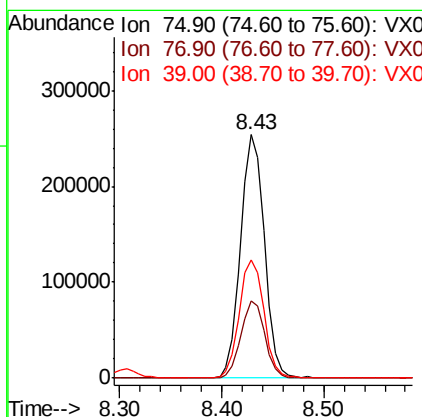
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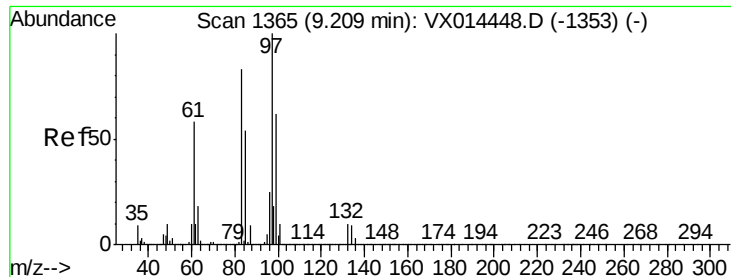
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.971 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	48.5	40.7	61.1





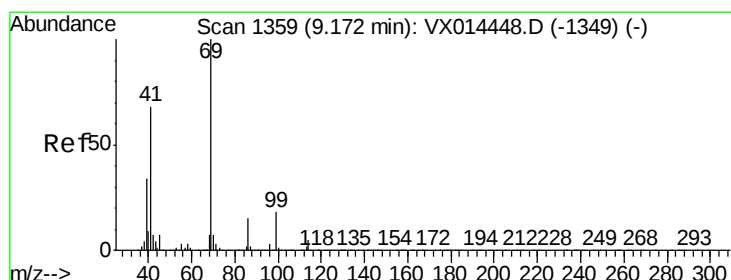
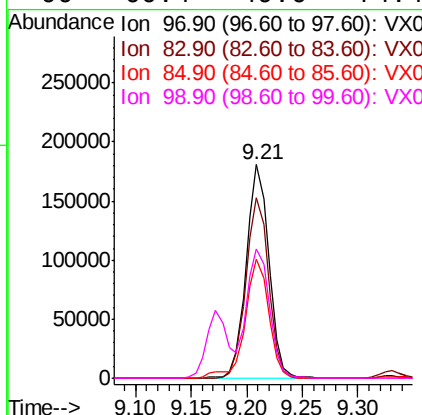
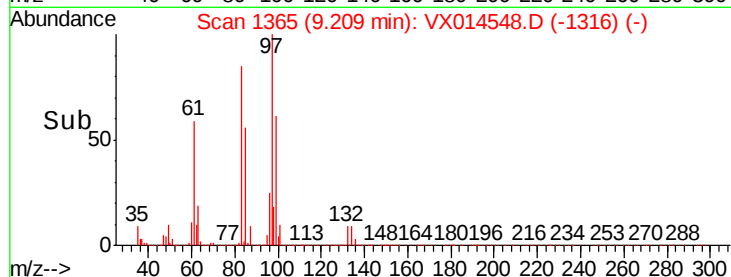
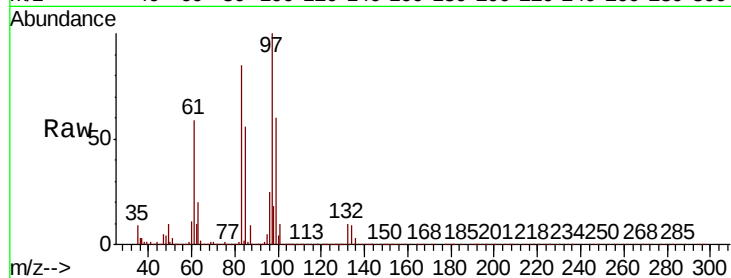
#55
 1,1,2-Trichloroethane
 Concen: 52.217 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014548.D
 Acq: 10 Jan 2020 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.8	66.4	99.6
85	55.7	43.4	65.2
99	60.4	49.6	74.4

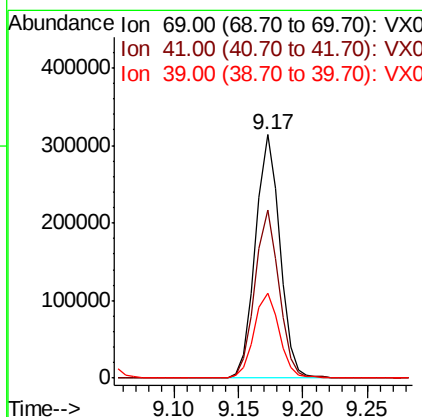
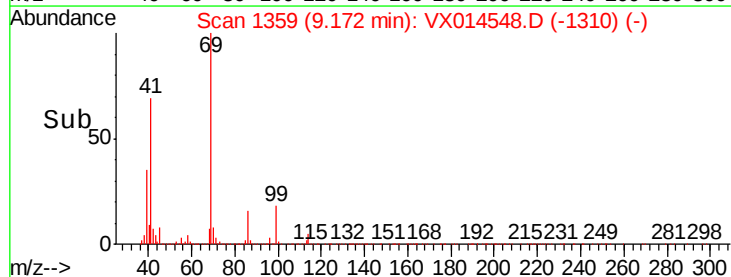
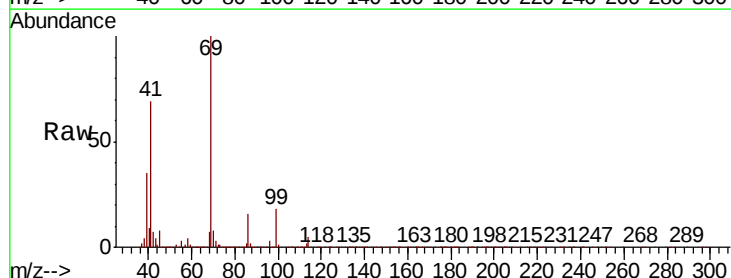
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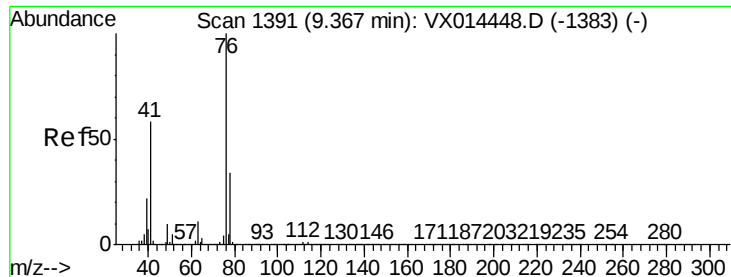
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 54.479 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014548.D
 Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.2	81.2
39	36.1	28.2	42.2





#57

1,3-Dichloropropane

Concen: 52.641 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 432077

Ion Ratio Lower Upper

76 100

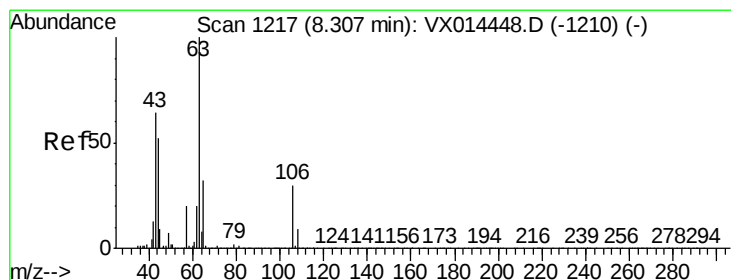
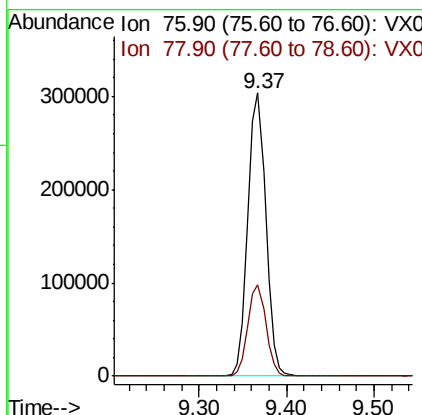
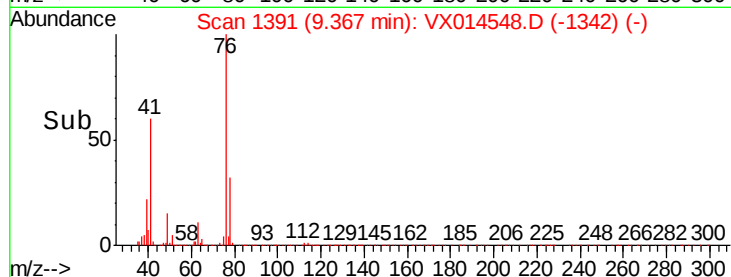
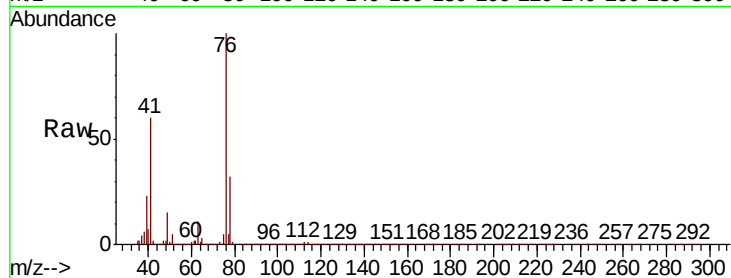
78 32.5 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 271.514 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014548.D

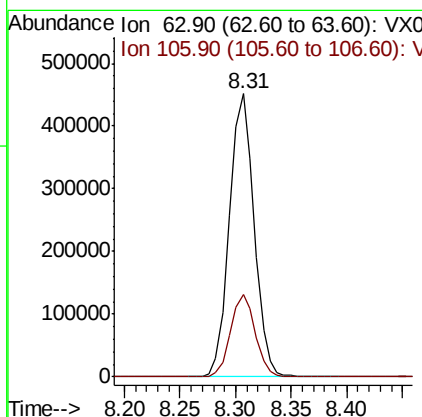
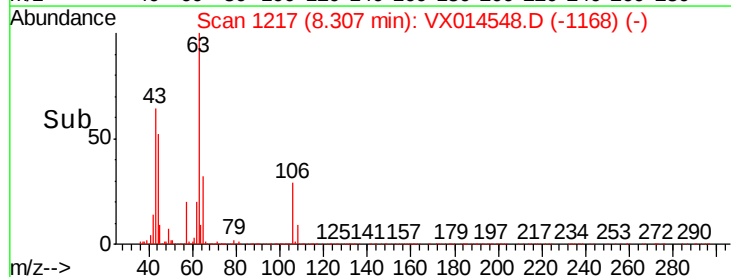
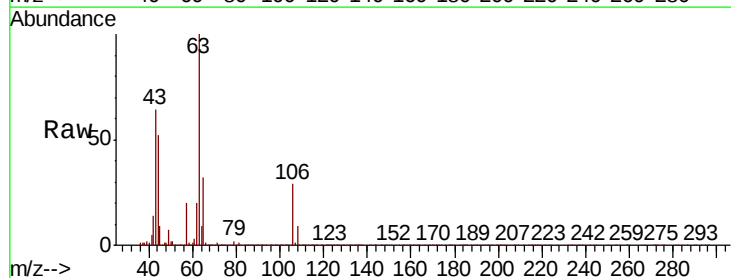
Acq: 10 Jan 2020 19:28

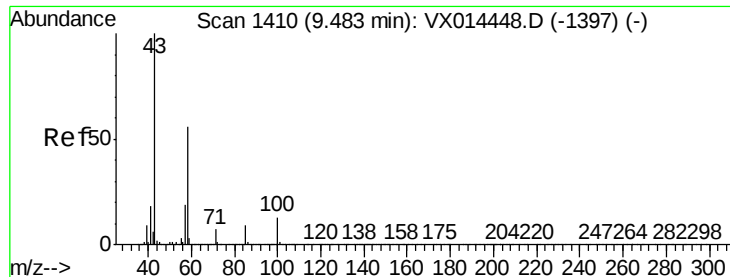
Tgt Ion: 63 Resp: 694768

Ion Ratio Lower Upper

63 100

106 29.2 23.6 35.4





#59

2-Hexanone

Concen: 260.651 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1418575

Ion Ratio Lower Upper

43 100

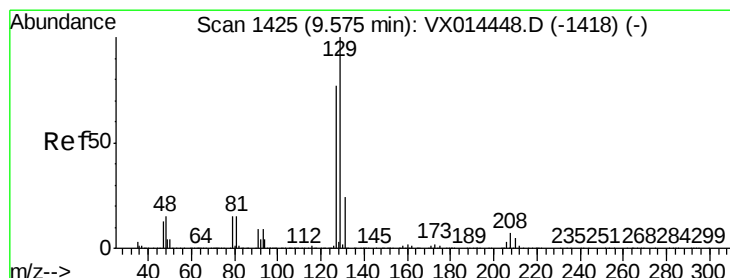
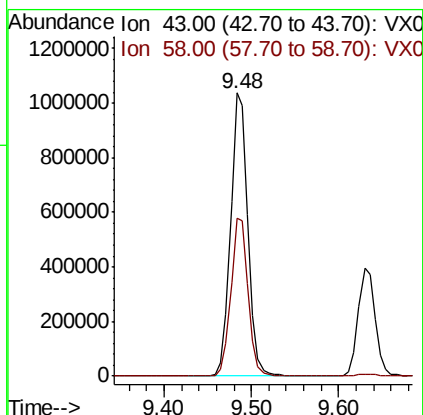
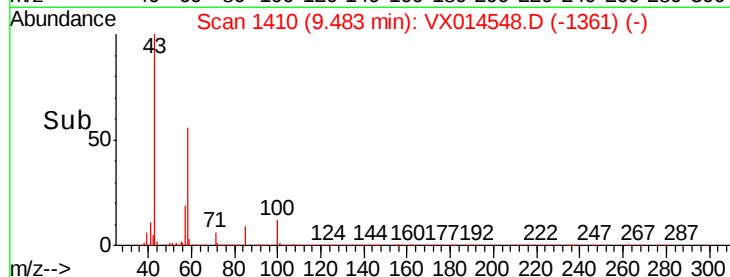
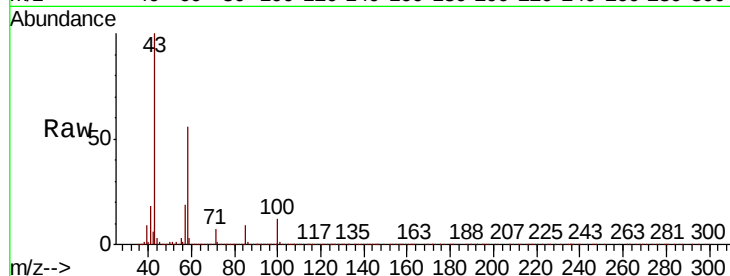
58 56.1 27.9 83.7

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#60

Dibromochloromethane

Concen: 54.585 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX014548.D

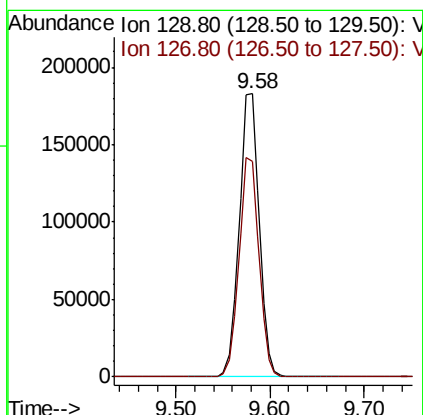
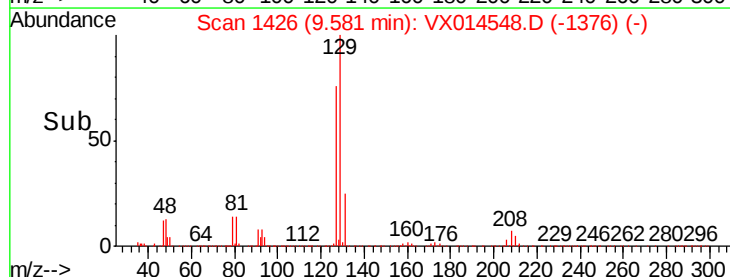
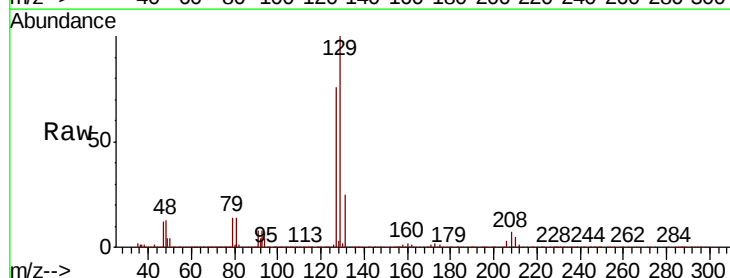
Acq: 10 Jan 2020 19:28

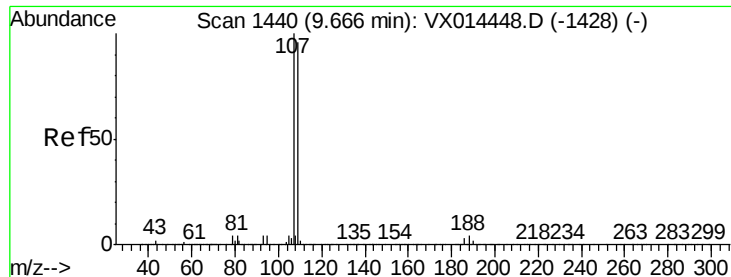
Tgt Ion: 129 Resp: 269334

Ion Ratio Lower Upper

129 100

127 77.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.244 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 266472

Ion Ratio Lower Upper

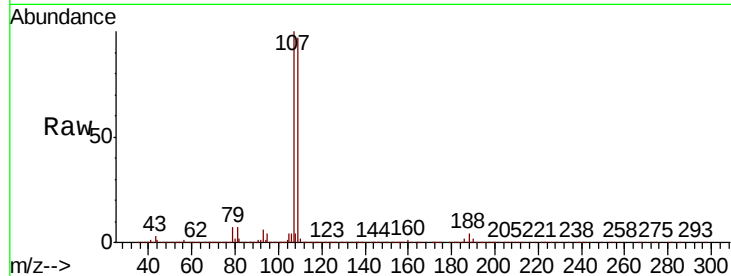
107 100

109 95.9 76.5 114.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

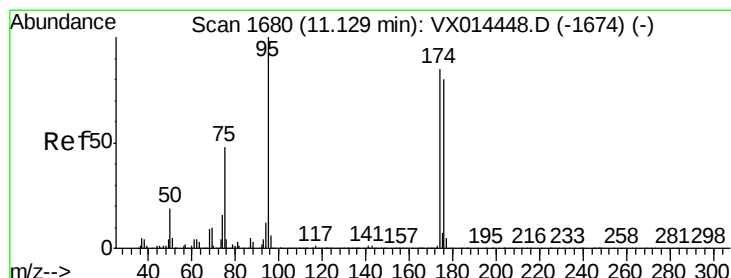
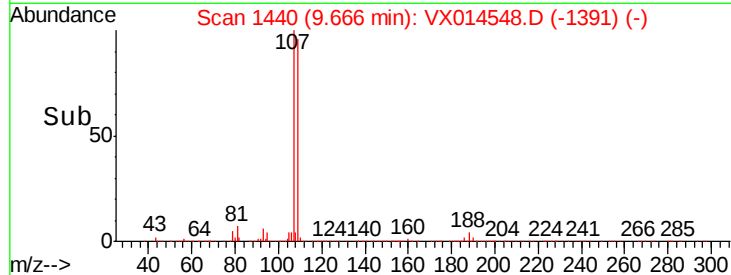
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.614 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

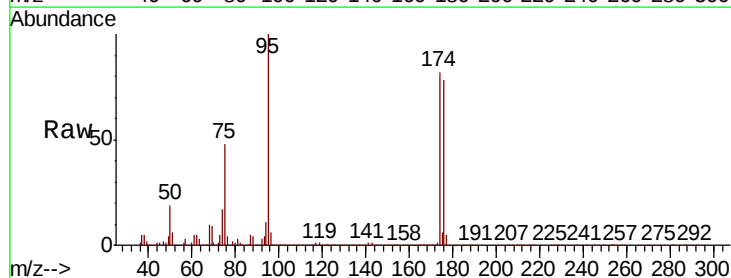
Tgt Ion: 95 Resp: 304480

Ion Ratio Lower Upper

95 100

174 87.9 0.0 180.8

176 84.8 0.0 172.8



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

300000

250000

200000

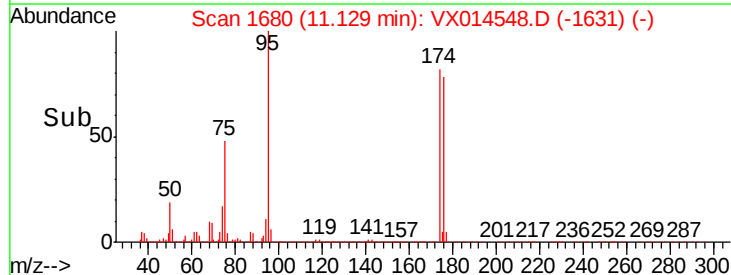
150000

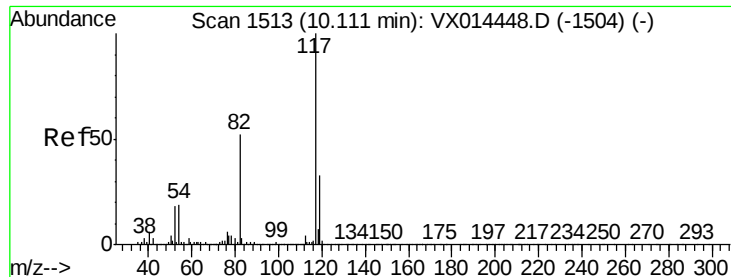
100000

50000

0

Time-->





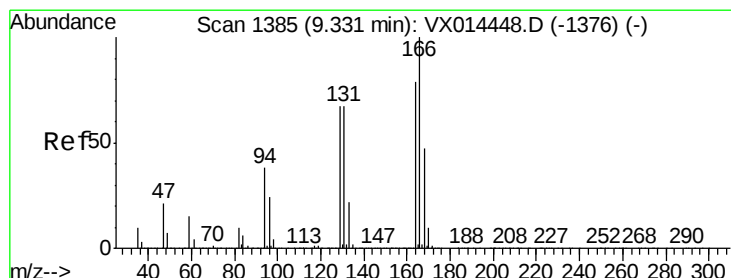
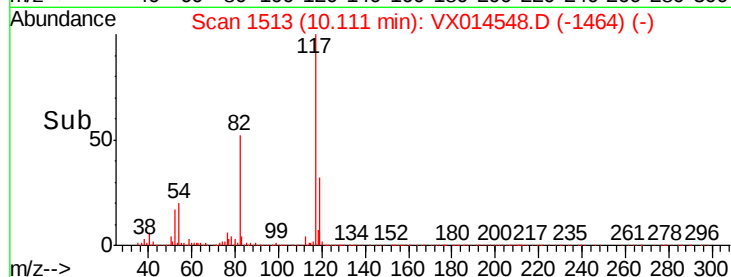
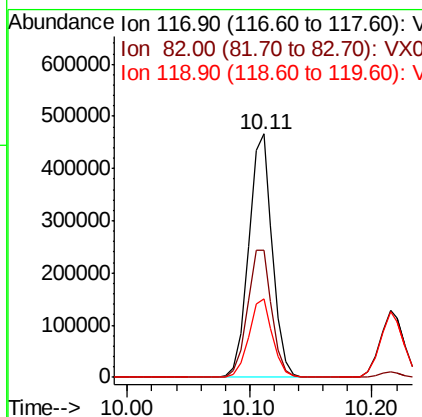
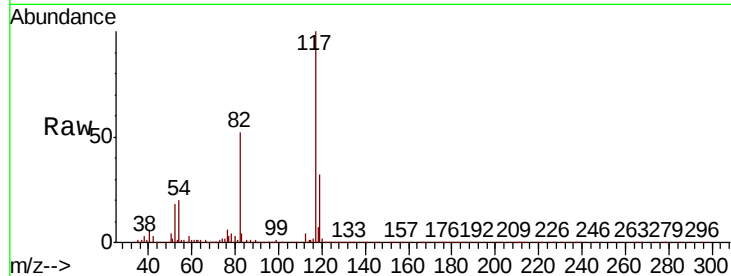
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.8	62.6
119	32.4	26.2	39.4

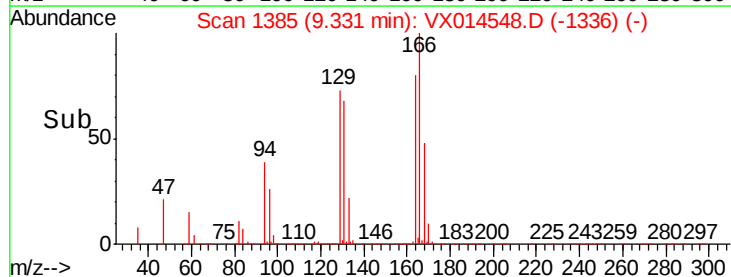
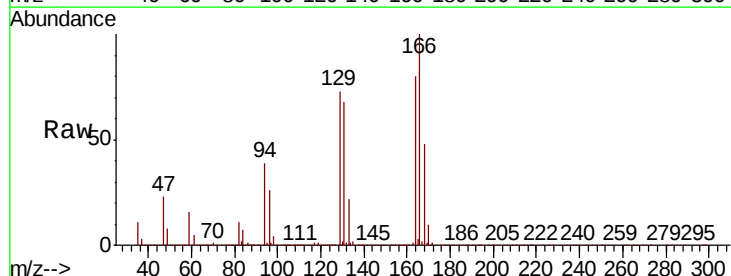
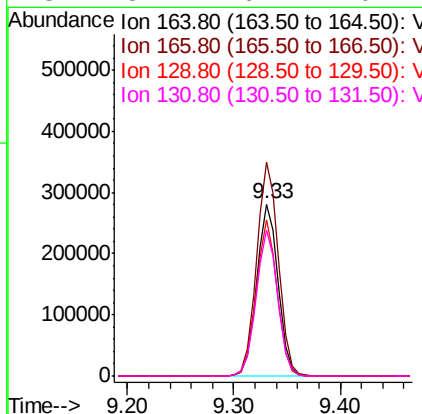
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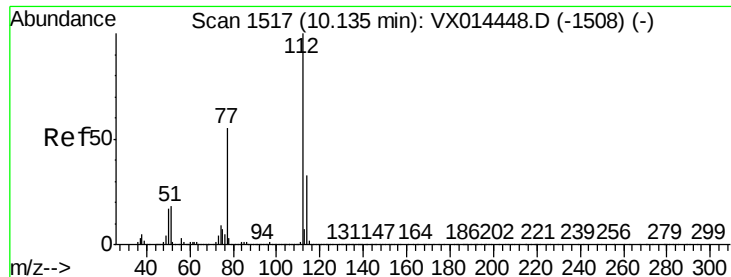
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#64
Tetrachloroethene
Concen: 63.413 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	101.2	151.8
129	90.6	68.3	102.5
131	84.7	67.4	101.2





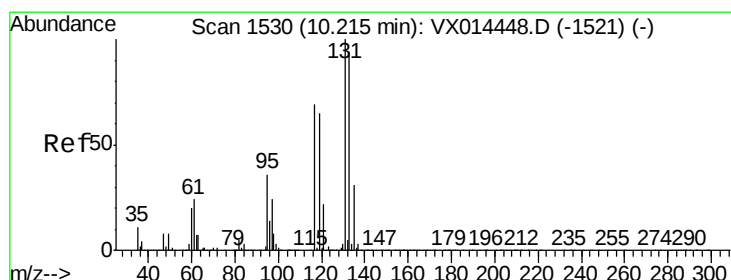
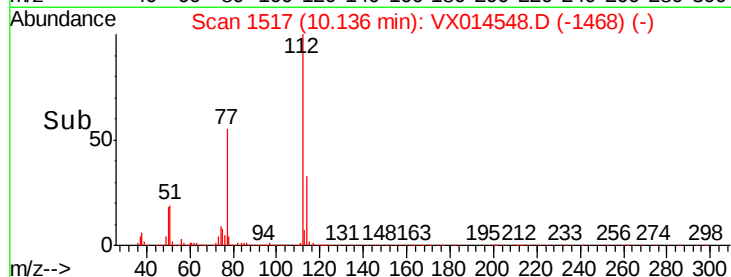
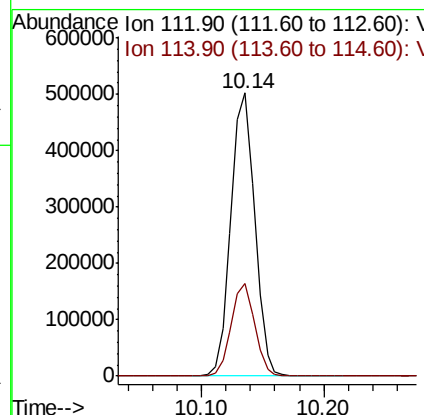
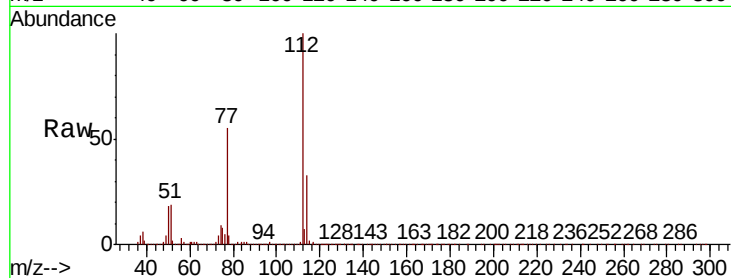
#65
Chlorobenzene
Concen: 50.186 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.2	39.4

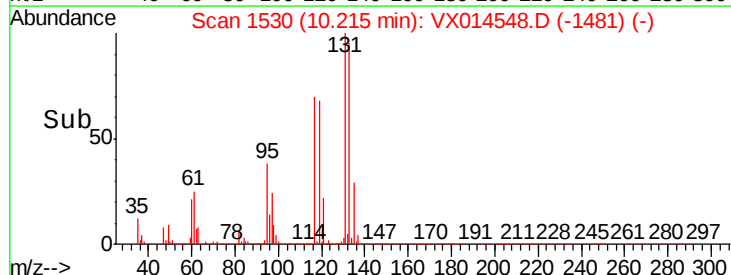
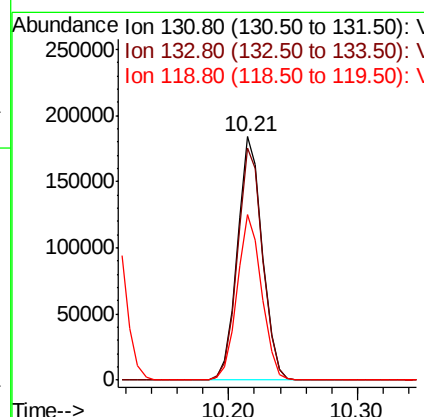
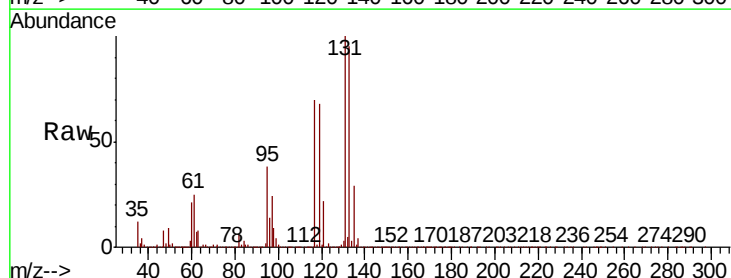
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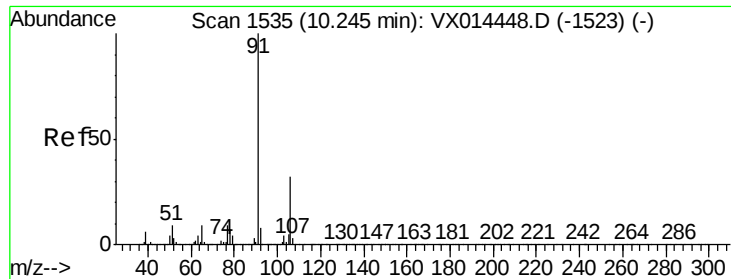
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.607 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	142.0
119	66.7	32.8	98.4





#67

Ethyl Benzene

Concen: 52.017 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1197297

Ion Ratio Lower Upper

91 100

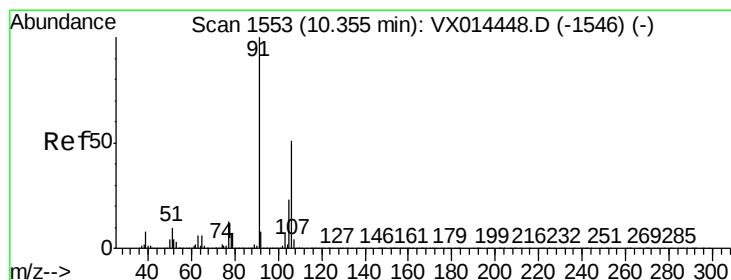
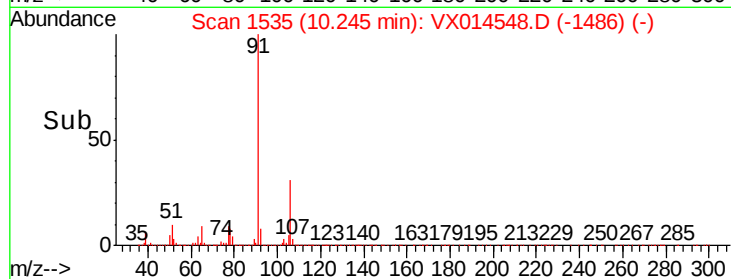
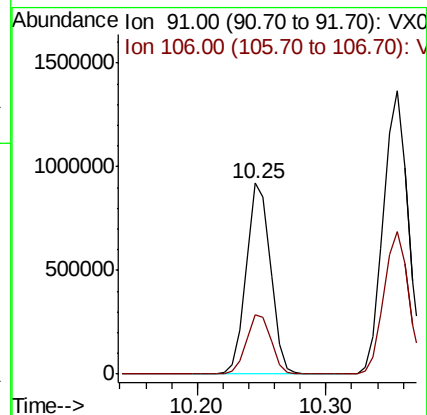
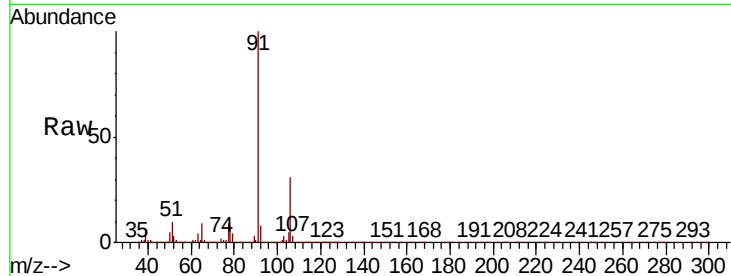
106 31.0 25.6 38.4

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#68

m/p-Xylenes

Concen: 103.260 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014548.D

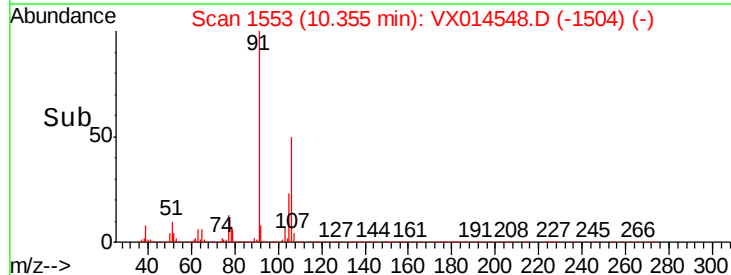
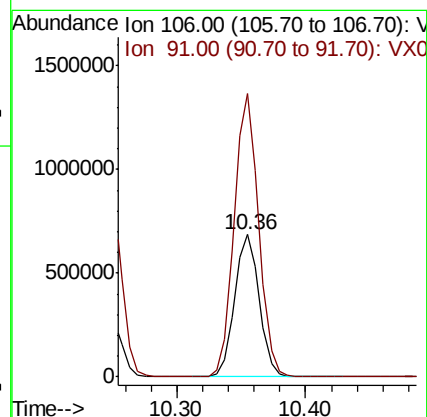
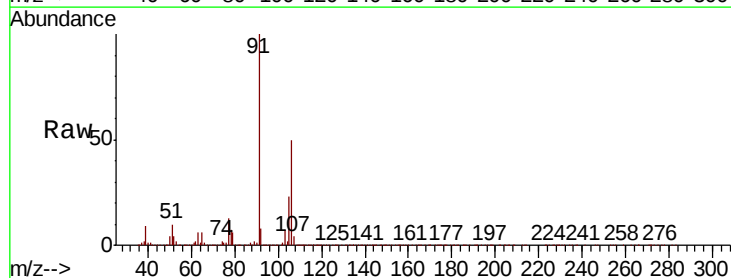
Acq: 10 Jan 2020 19:28

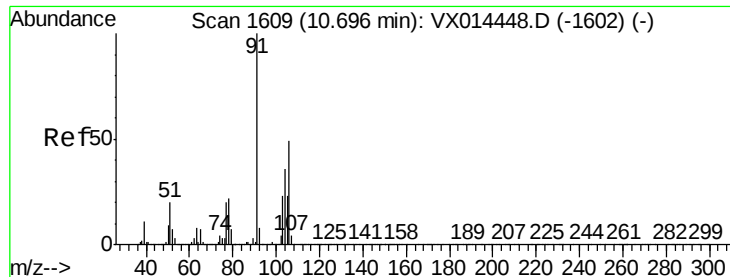
Tgt Ion: 106 Resp: 916944

Ion Ratio Lower Upper

106 100

91 197.8 157.4 236.0





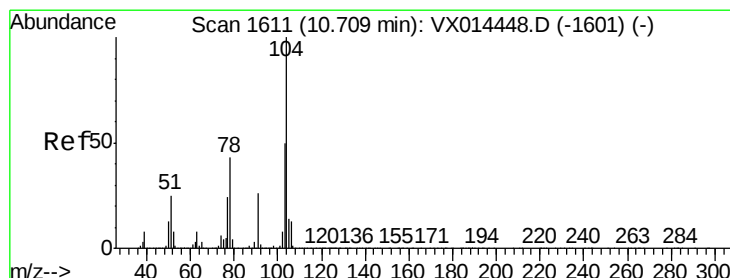
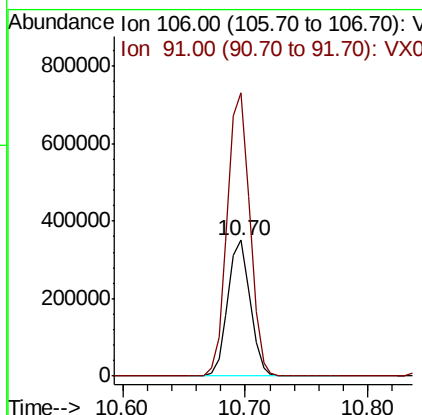
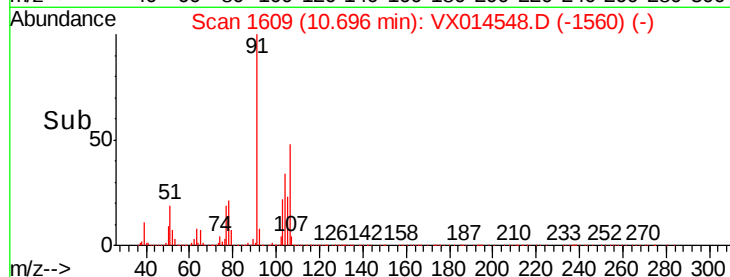
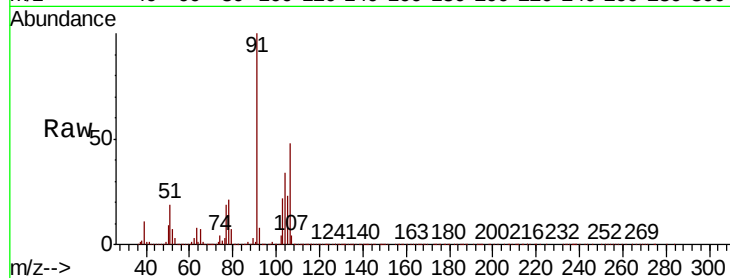
#69
o-Xylene
Concen: 52.399 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.0	105.1	315.1

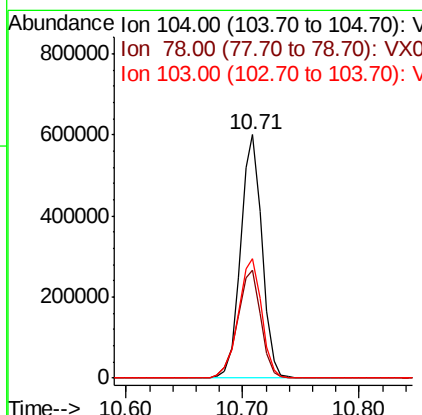
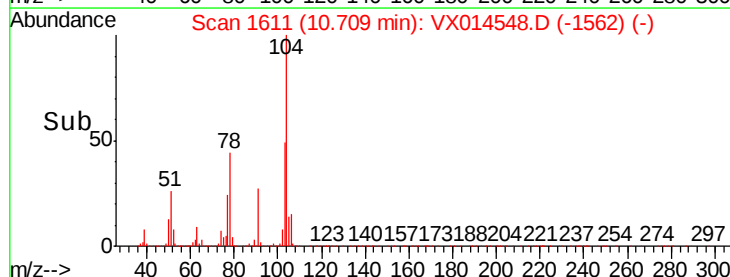
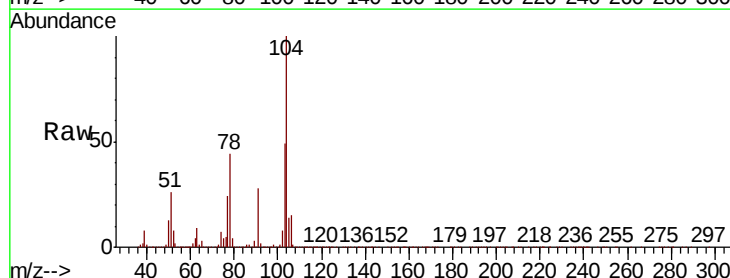
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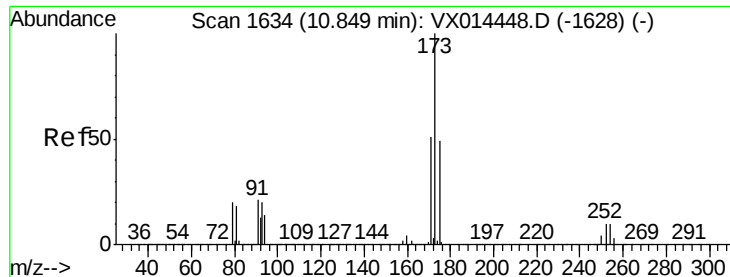
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#70
Styrene
Concen: 52.355 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.6	58.0
103	54.1	43.7	65.5





#71

Bromoform

Concen: 51.638 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

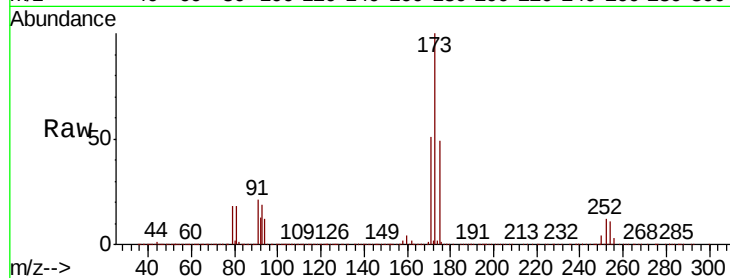
ClientSampleId :

VSTDCCC050EC

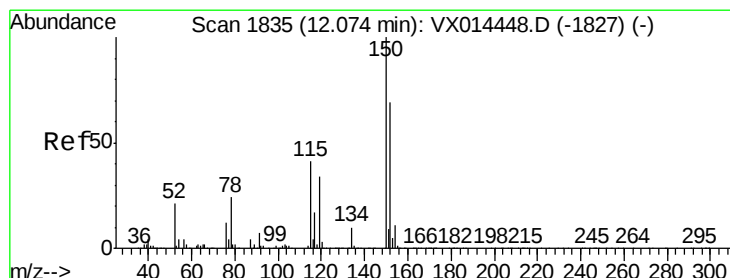
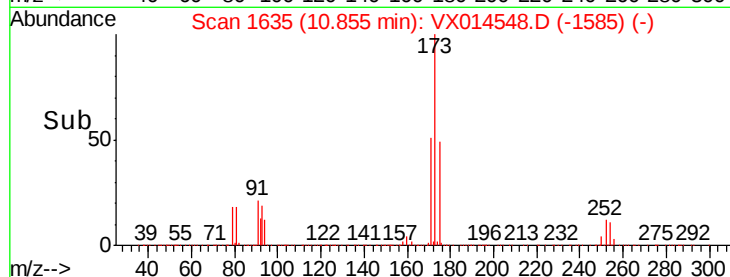
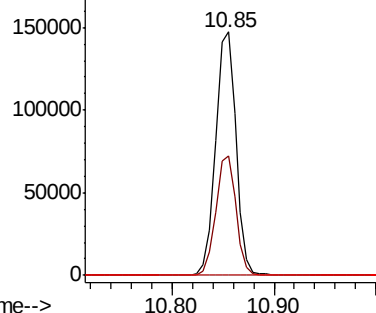
Tot Ion:	173	Resp:	203610
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.3	72.8
254	0.3	0.2	0.2#

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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

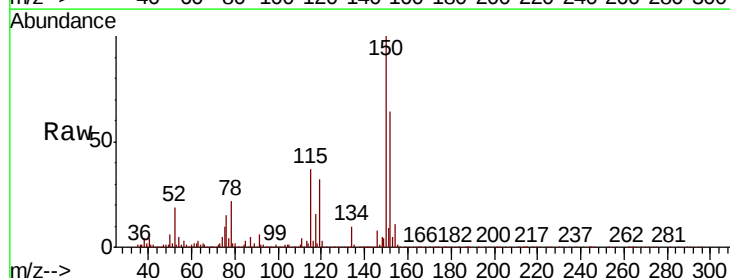
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

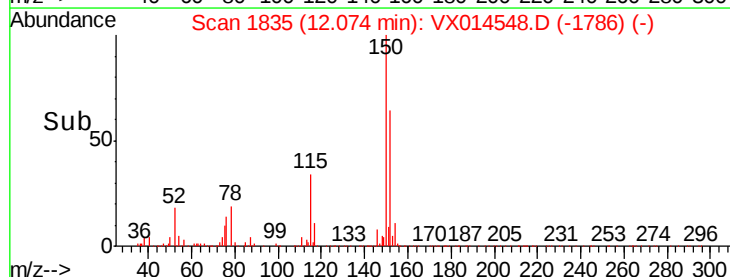
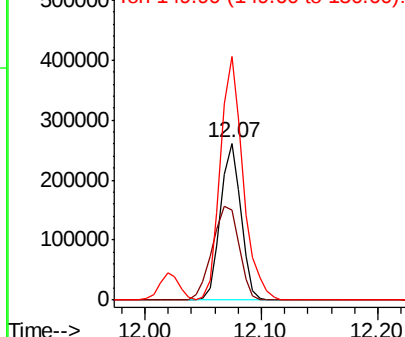
Lab File: VX014548.D

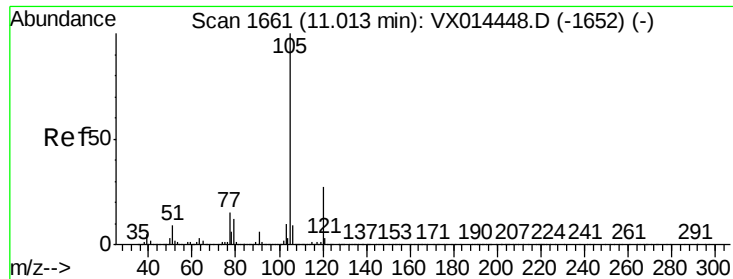
Acq: 10 Jan 2020 19:28

Tgt Ion:	152	Resp:	314482
Ion Ratio	Lower	Upper	
152	100		
115	79.0	39.5	118.3
150	173.5	0.0	350.2



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





#73

Isopropylbenzene

Concen: 53.007 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1170574

Ion Ratio Lower Upper

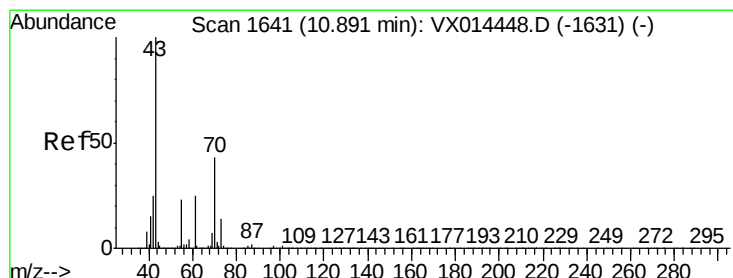
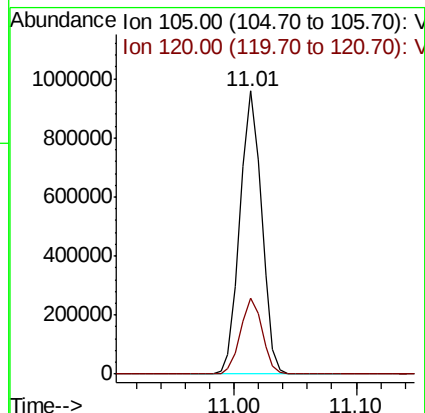
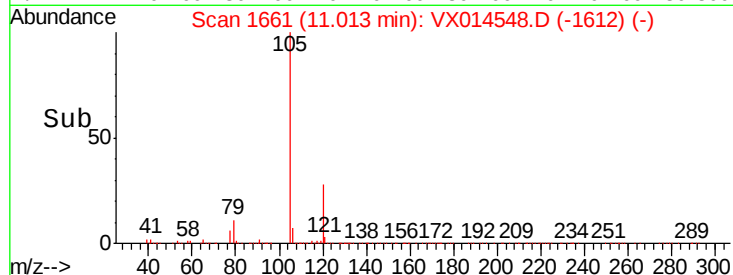
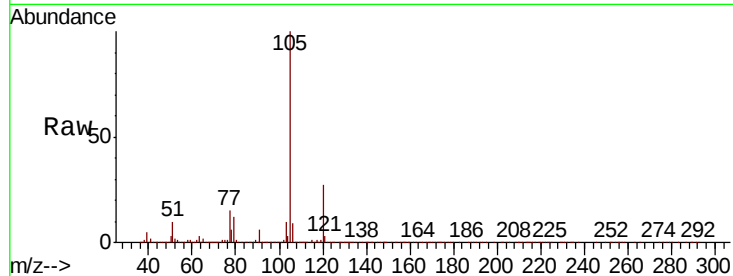
105 100

120 26.9 13.4 40.2

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#74

N-ethyl acetate

Concen: 54.688 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Tgt Ion: 43 Resp: 532823

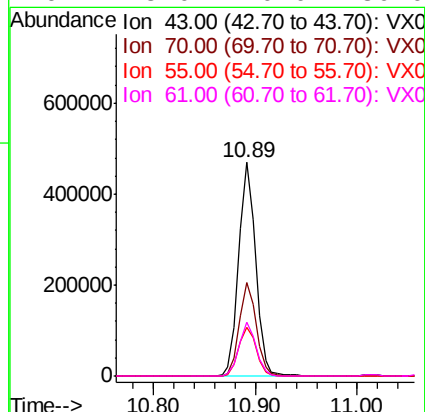
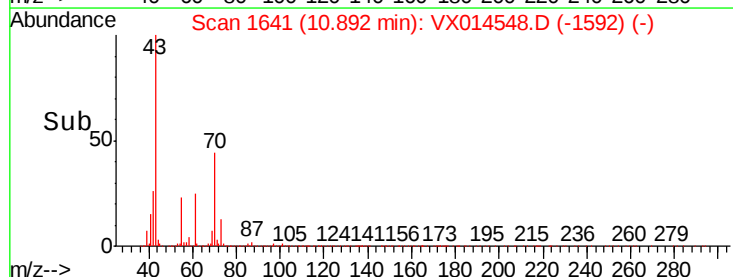
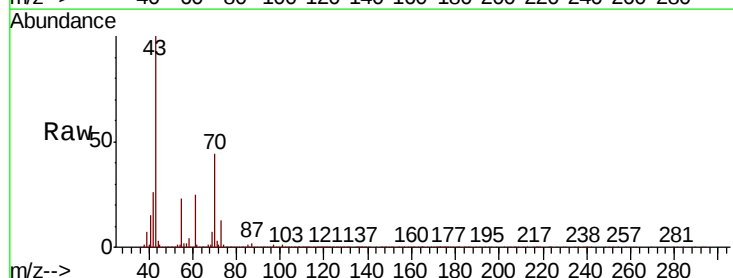
Ion Ratio Lower Upper

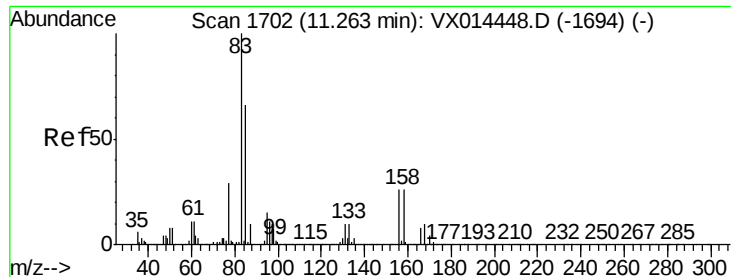
43 100

70 43.9 35.1 52.7

55 23.9 19.3 28.9

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.200 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

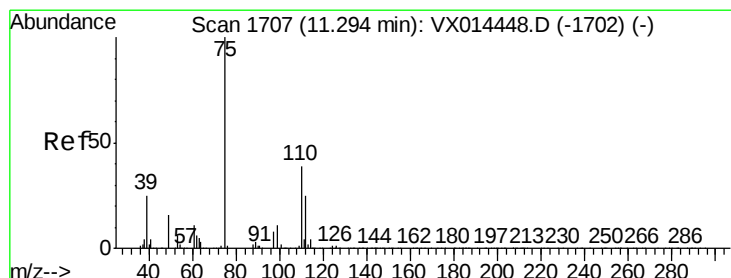
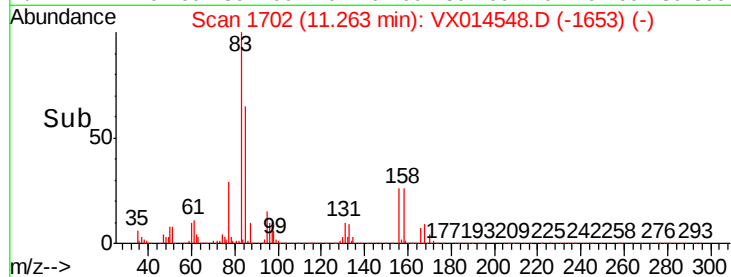
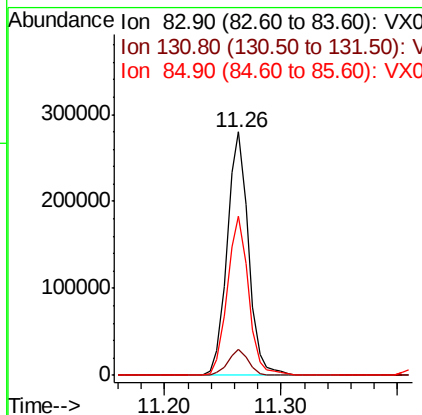
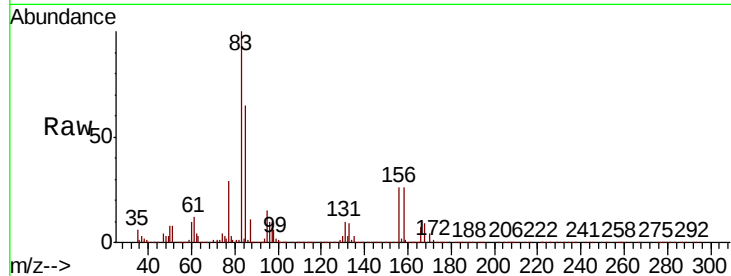
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	355518
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	65.1	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 48.633 ug/l m

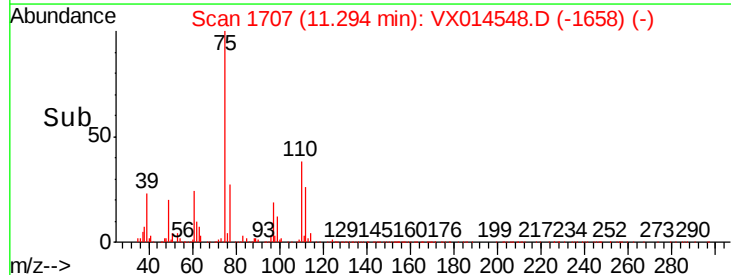
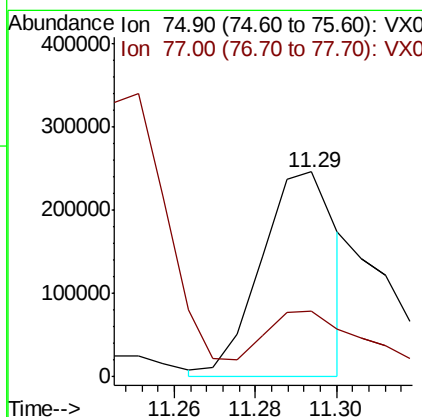
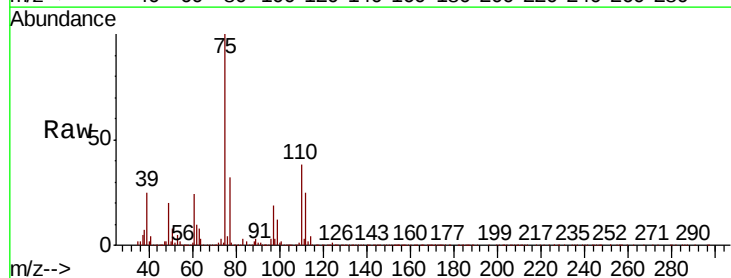
RT: 11.29 min Scan# 1707

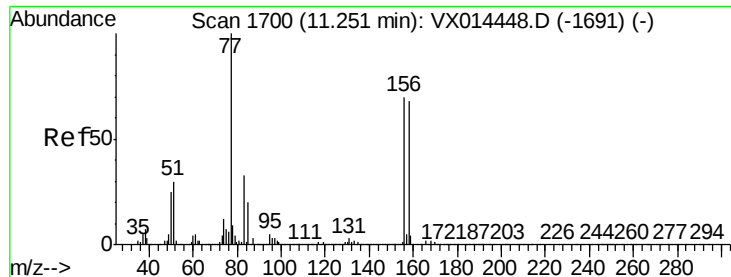
Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Tgt Ion:	75	Resp:	316440
Ion Ratio	Lower	Upper	
75	100		
77	43.4	21.9	65.7





#77

Bromobenzene

Concen: 49.859 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

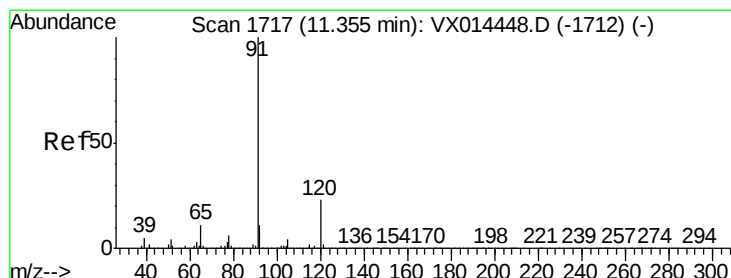
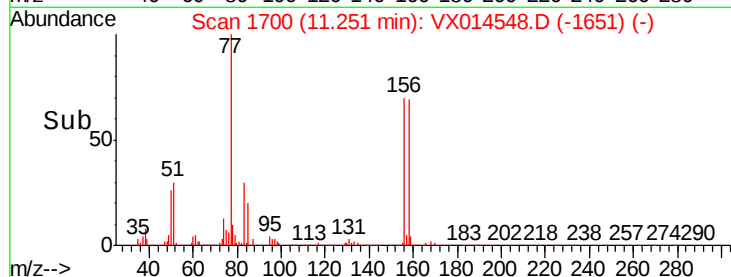
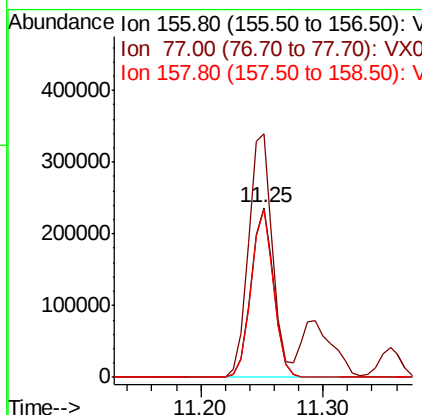
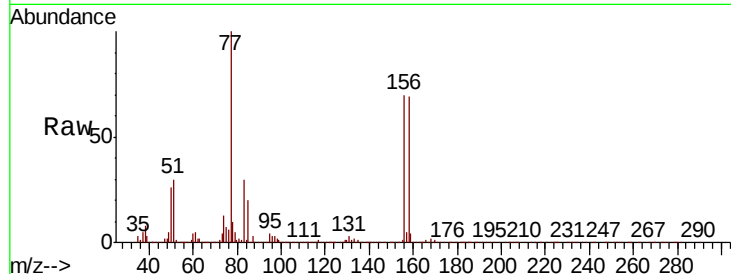
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	305346
Ion Ratio	Lower	Upper	
156	100		
77	151.8	75.4	226.3
158	98.1	48.8	146.3

Manual Integrations
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MMDadoda
1/13/2020 11:34:50 AM



#78

n-propylbenzene

Concen: 52.704 ug/l

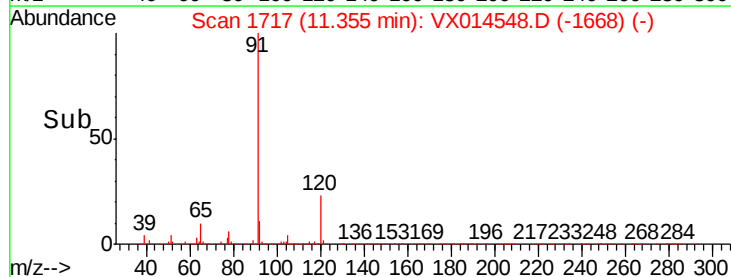
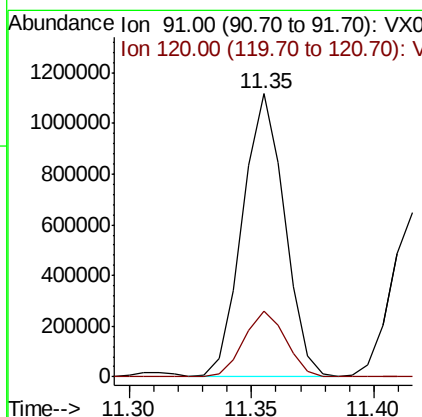
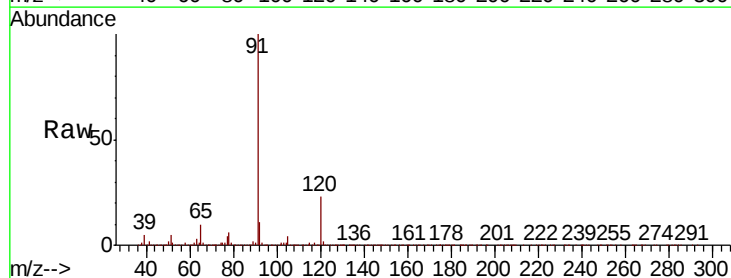
RT: 11.35 min Scan# 1717

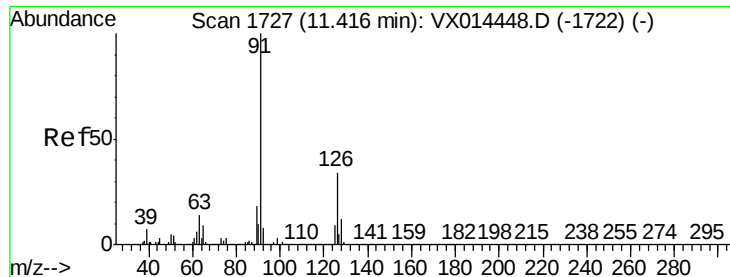
Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Tgt Ion:	91	Resp:	1332923
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.9	35.5





#79

2-Chlorotoluene

Concen: 51.956 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 783139

Ion Ratio Lower Upper

91 100

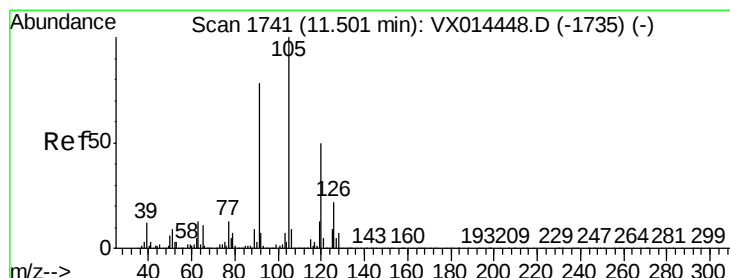
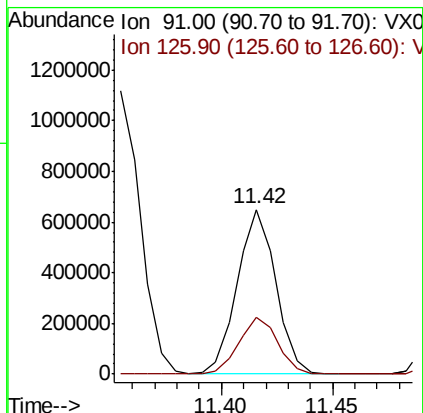
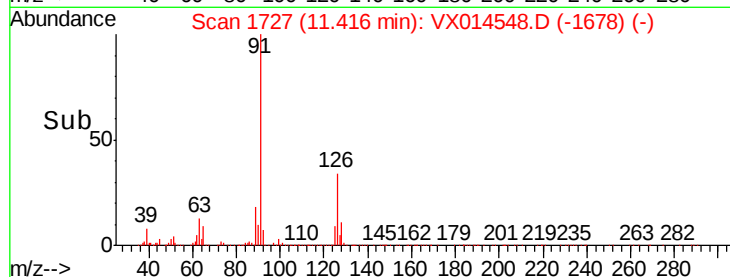
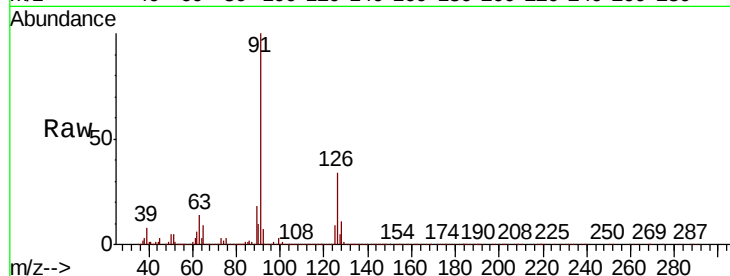
126 34.9 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.351 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014548.D

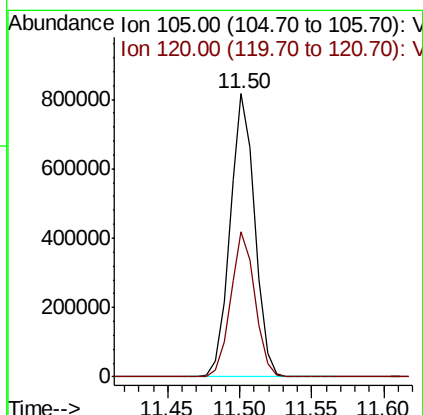
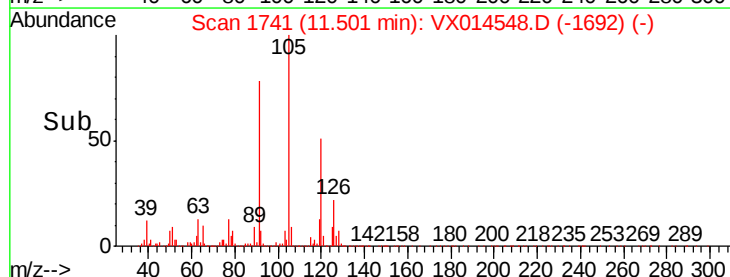
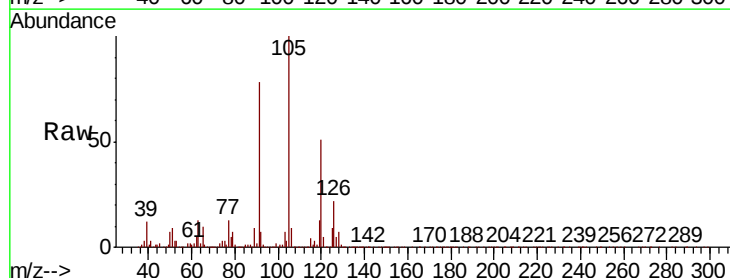
Acq: 10 Jan 2020 19:28

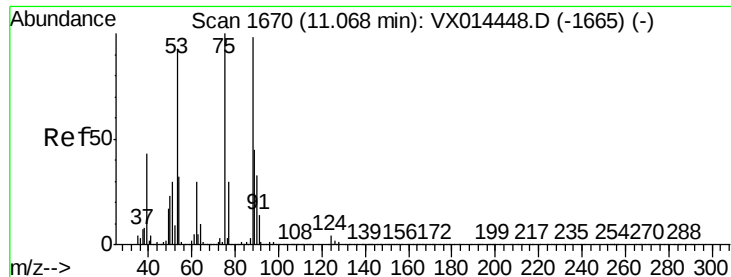
Tgt Ion: 105 Resp: 978157

Ion Ratio Lower Upper

105 100

120 50.6 25.2 75.6





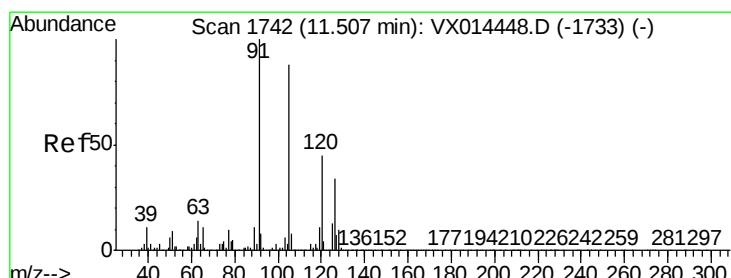
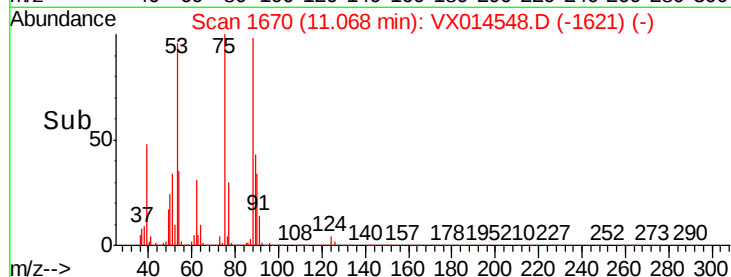
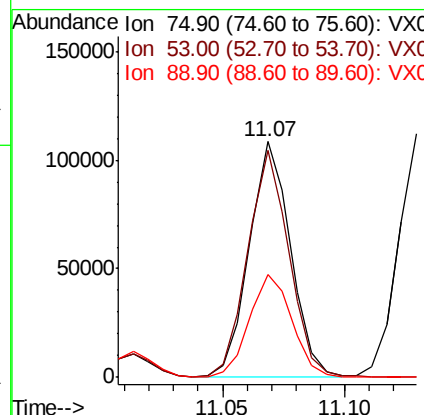
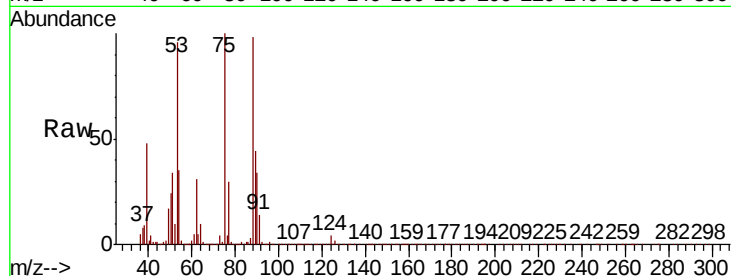
#81
trans-1,4-Dichloro-2-butene
Concen: 51.585 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.7	74.8	112.2
89	45.7	36.3	54.5

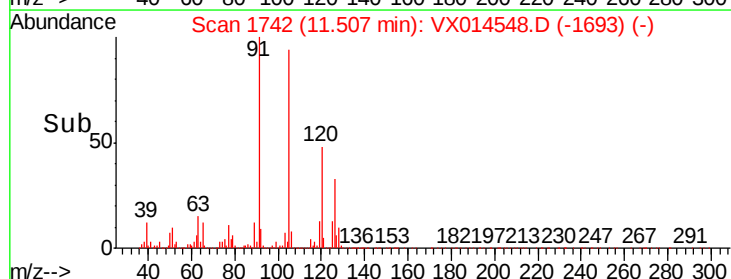
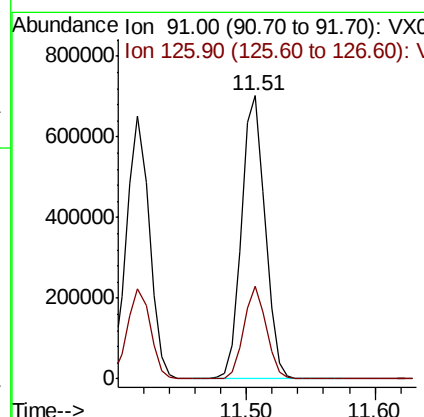
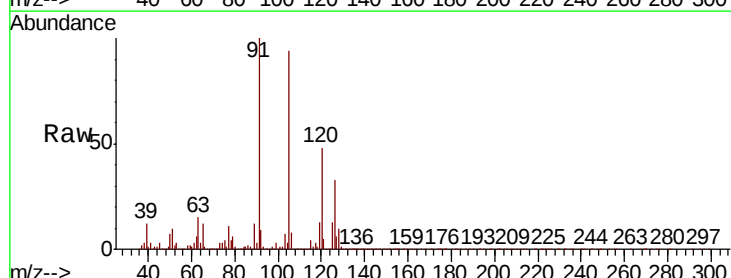
Manual Integrations
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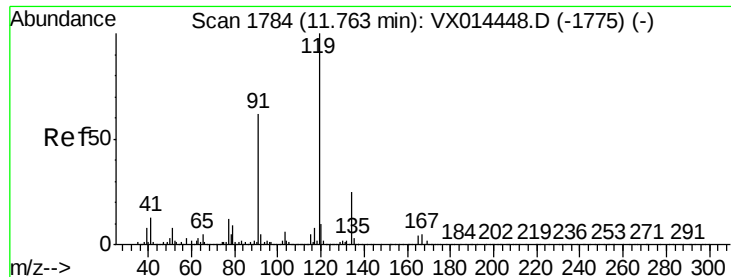
MMDadoda
1/13/2020 11:34:50 AM



#82
4-Chlorotoluene
Concen: 50.487 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.9	47.7





#83

tert-Butylbenzene

Concen: 47.970 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

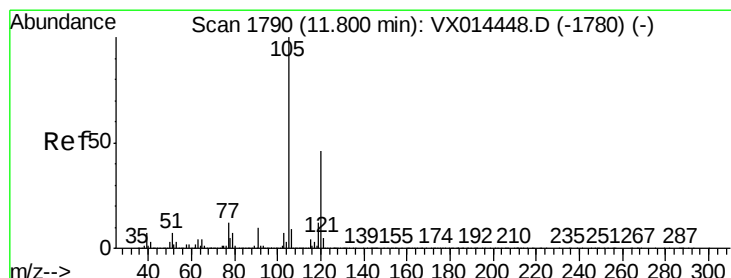
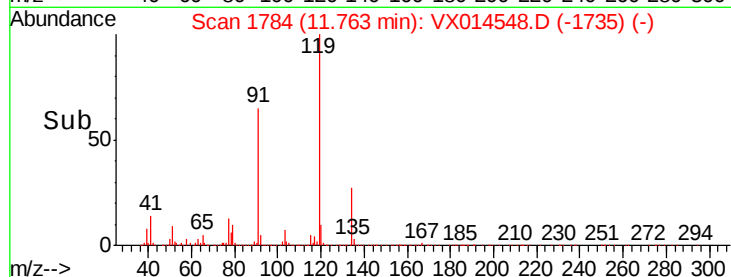
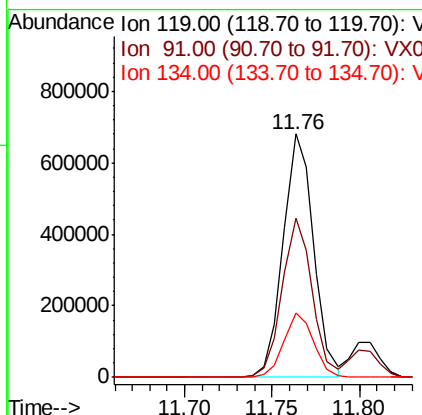
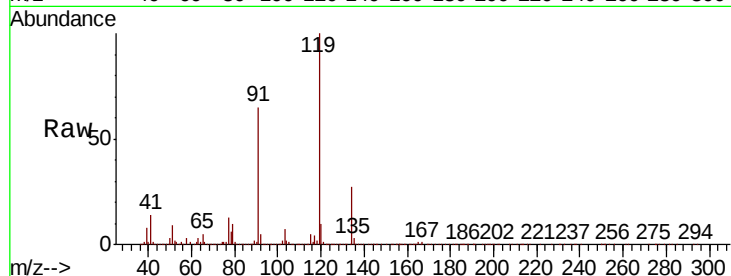
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	831011
Ion Ratio	Lower	Upper	
119	100		
91	64.3	29.3	88.0
134	25.9	12.4	37.4

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#84

1,2,4-Trimethylbenzene

Concen: 52.912 ug/l

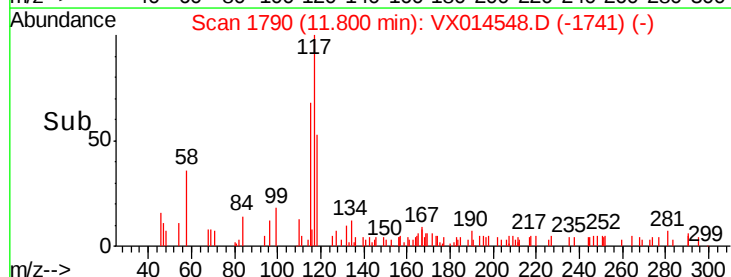
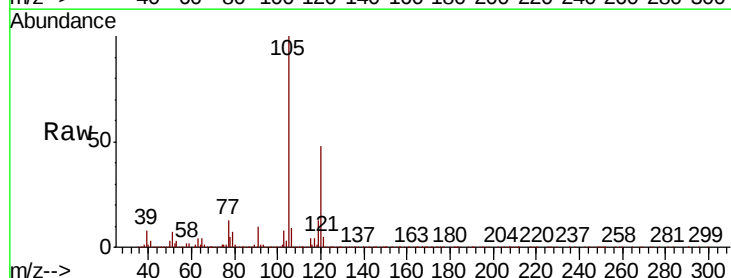
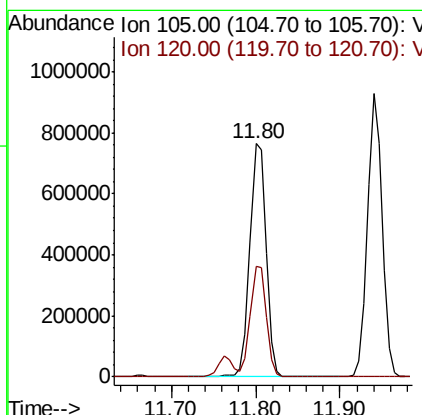
RT: 11.80 min Scan# 1790

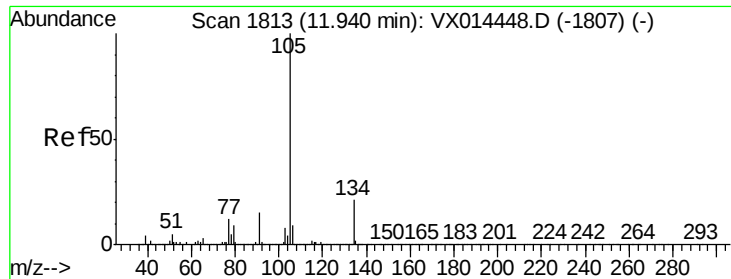
Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Tgt Ion:	105	Resp:	980270
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.1	69.3





#85

sec-Butylbenzene

Concen: 52.315 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1126637

Ion Ratio Lower Upper

105 100

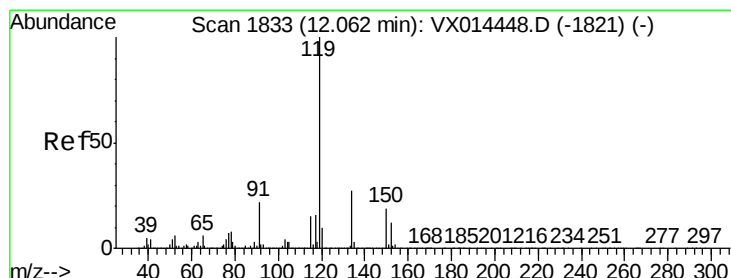
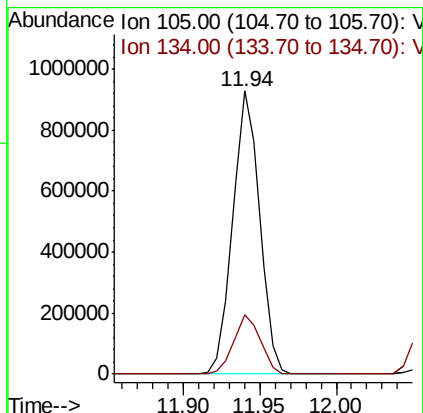
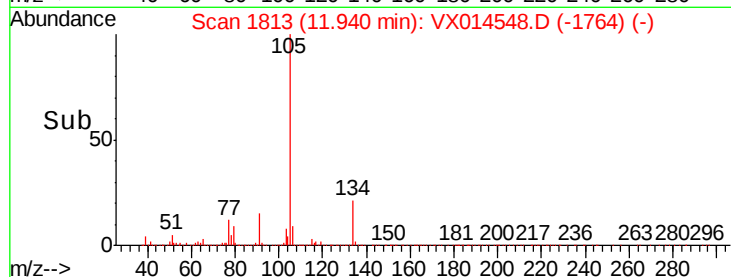
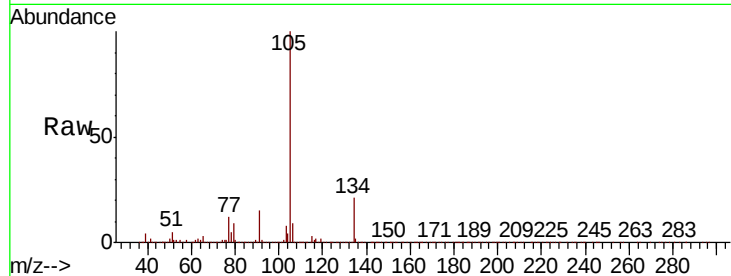
134 20.9 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.794 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

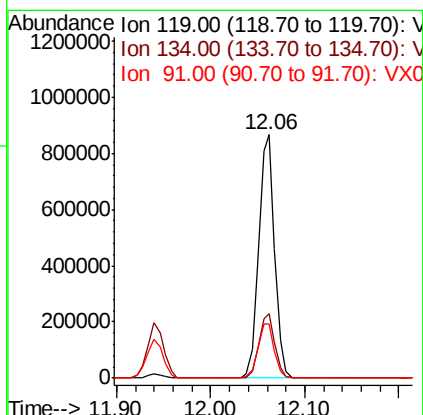
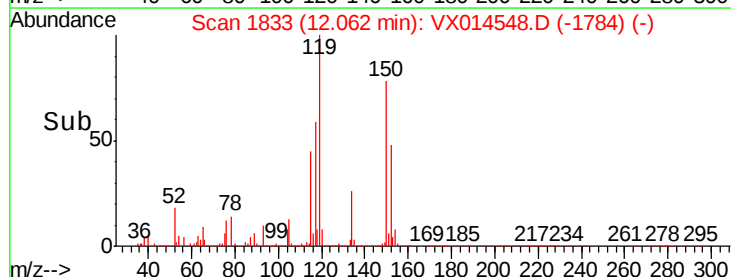
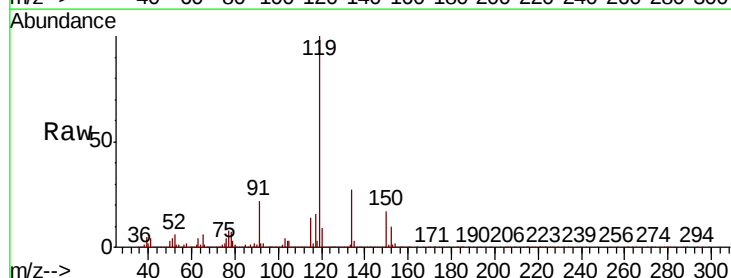
Tgt Ion:119 Resp: 1035061

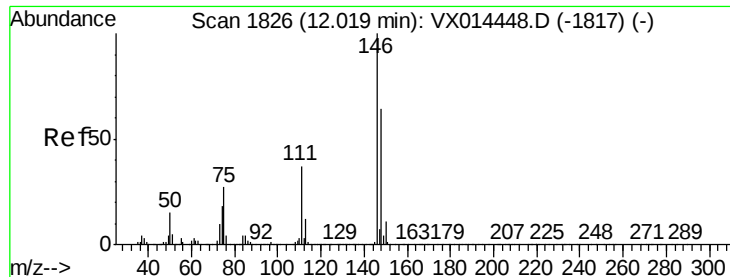
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 23.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.359 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

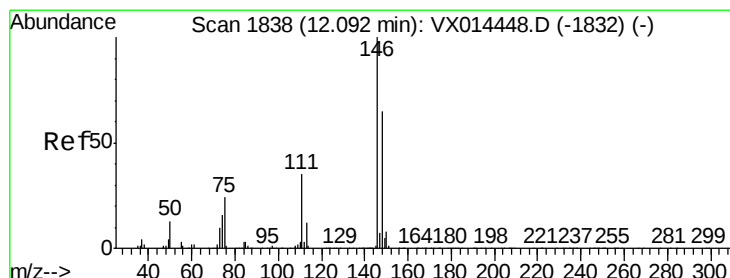
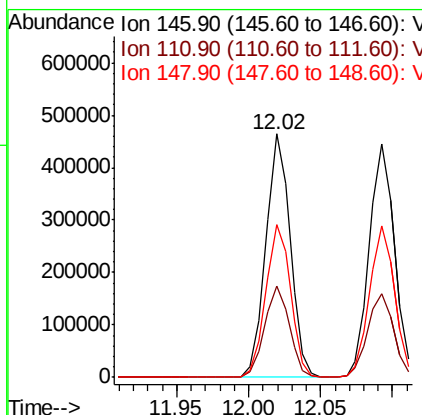
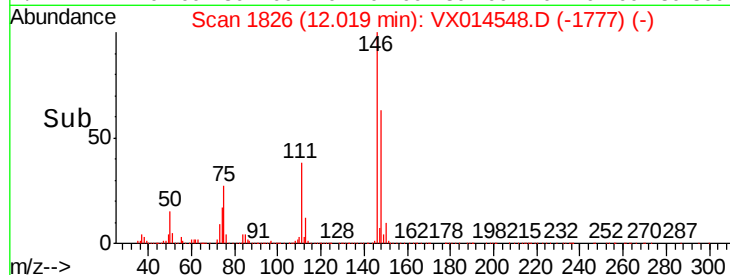
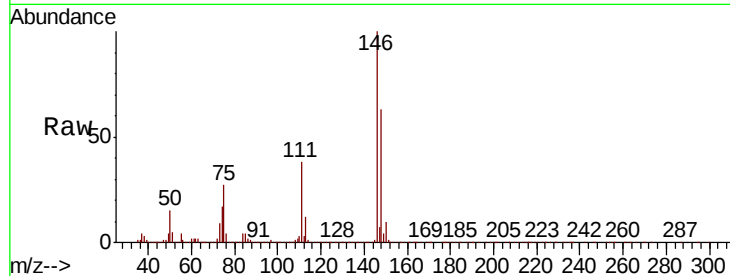
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	542500
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.9	56.7
148	63.9	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.694 ug/l

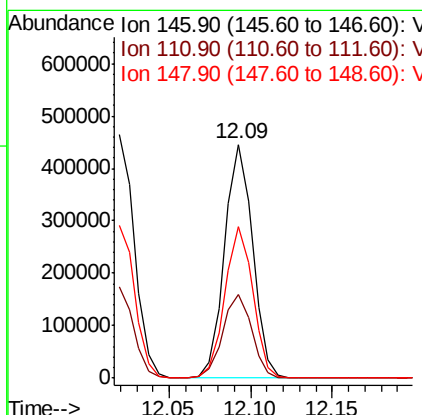
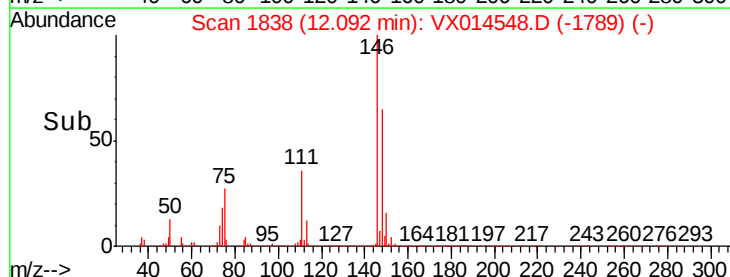
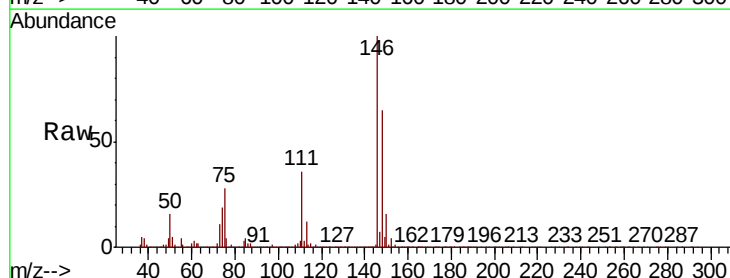
RT: 12.09 min Scan# 1838

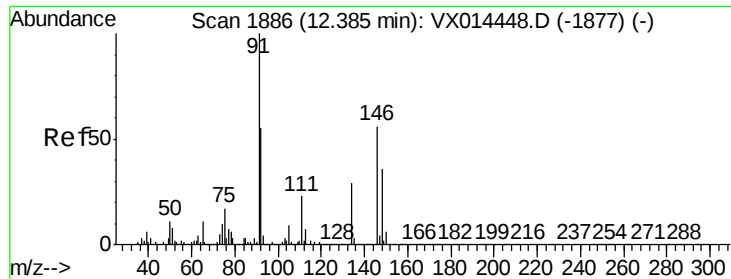
Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Tgt Ion:	146	Resp:	533572
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.1	54.1
148	64.5	32.1	96.3





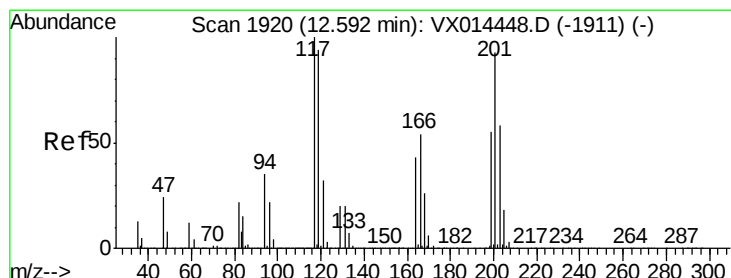
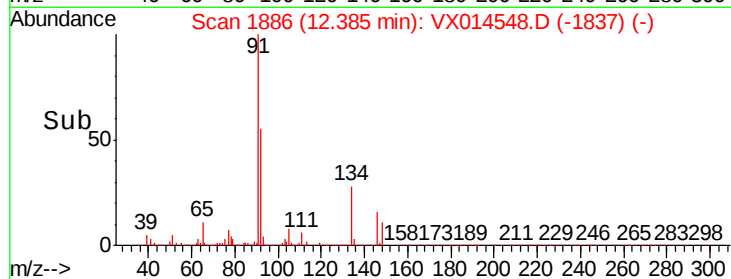
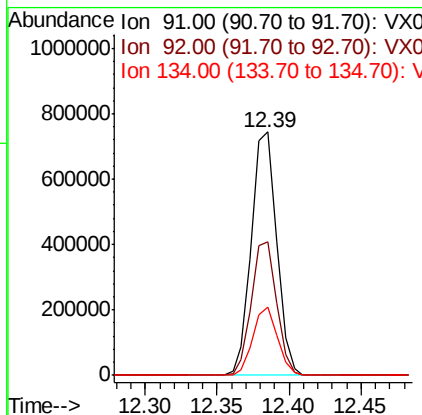
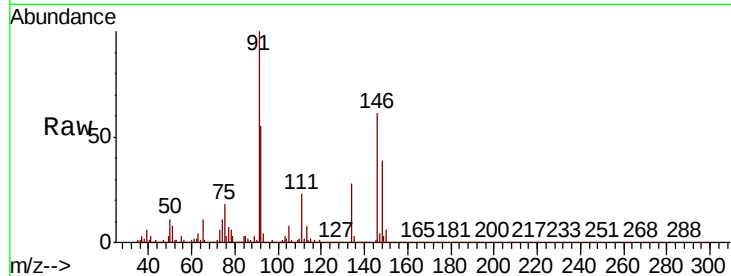
#89
n-Butylbenzene
Concen: 49.389 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.2
134	27.0	13.9	41.7

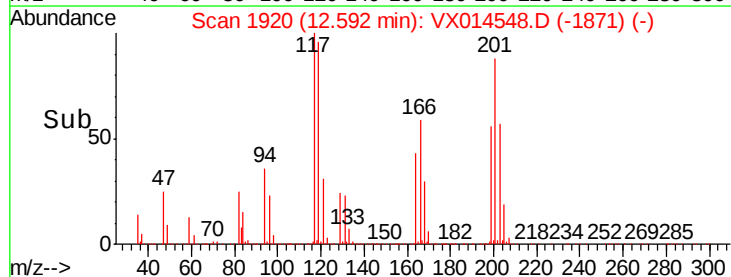
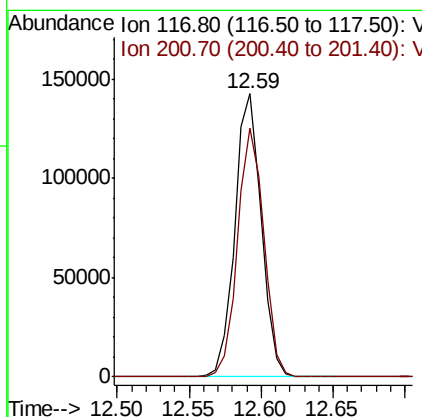
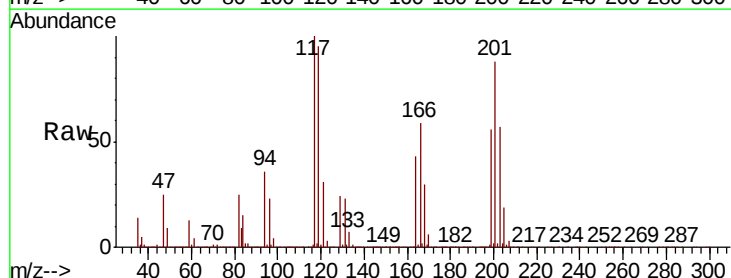
Manual Integrations
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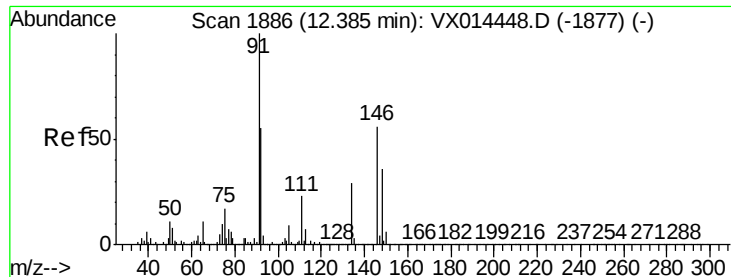
MMDadoda
1/13/2020 11:34:50 AM



#90
Hexachloroethane
Concen: 51.974 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	44.8	134.3





#91

1,2-Dichlorobenzene

Concen: 50.991 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Instrument :

MSVOA_X

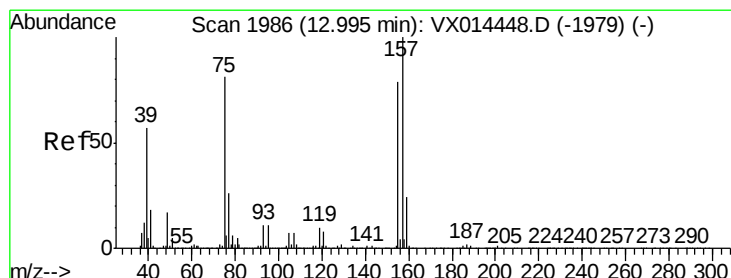
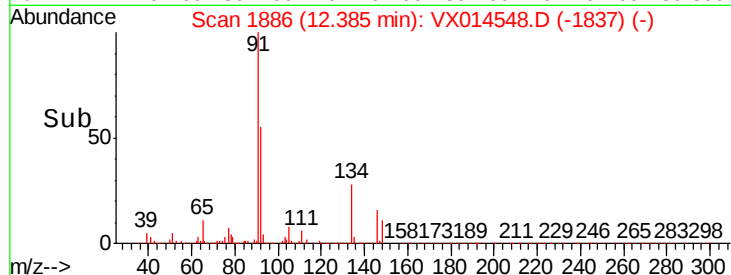
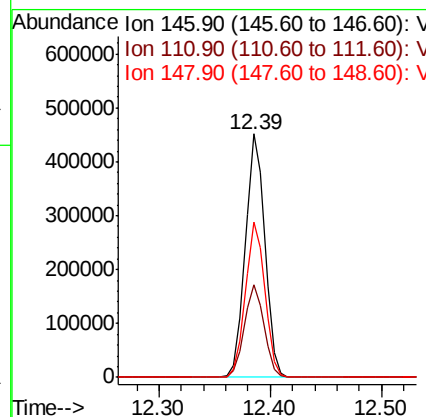
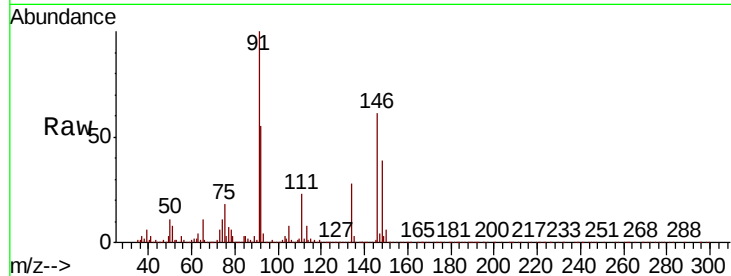
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	549083
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.8	59.4
148	63.3	32.3	96.8

Manual Integrations
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1/13/2020 11:34:50 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.584 ug/l

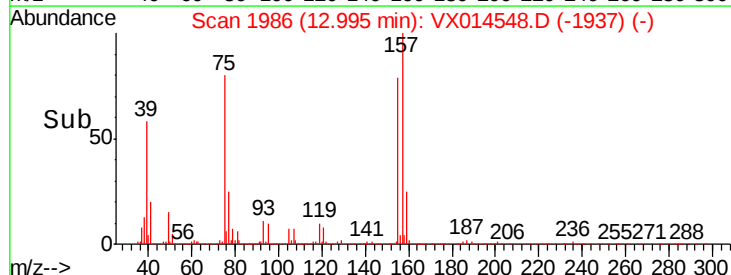
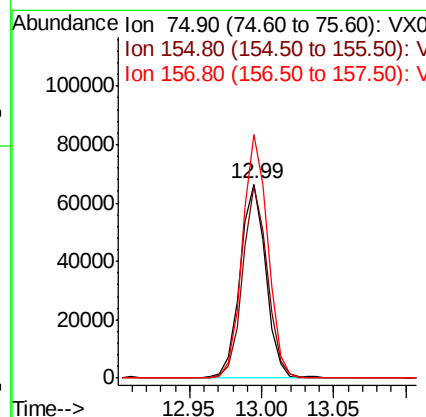
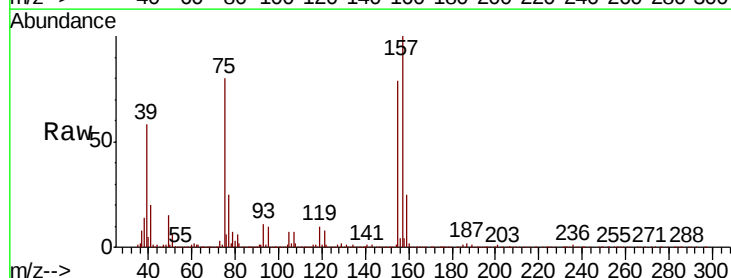
RT: 12.99 min Scan# 1986

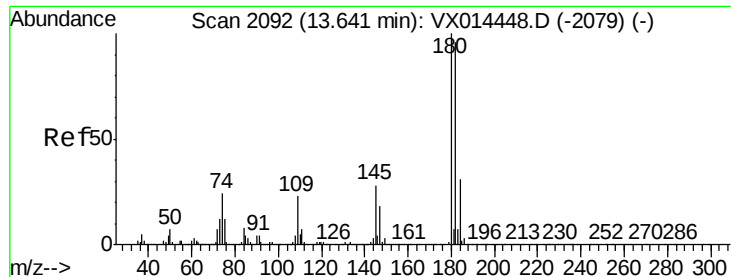
Delta R.T. 0.00 min

Lab File: VX014548.D

Acq: 10 Jan 2020 19:28

Tgt Ion:	75	Resp:	82175
Ion Ratio	Lower	Upper	
75	100		
155	95.6	48.7	146.1
157	124.1	62.0	185.9





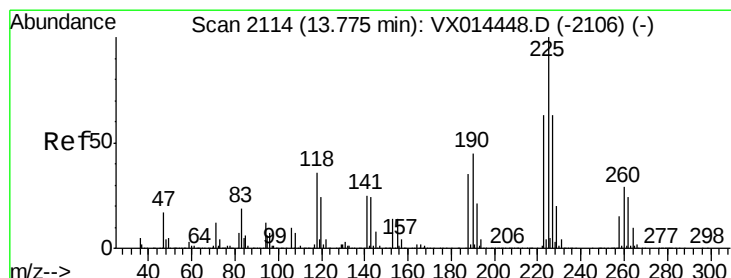
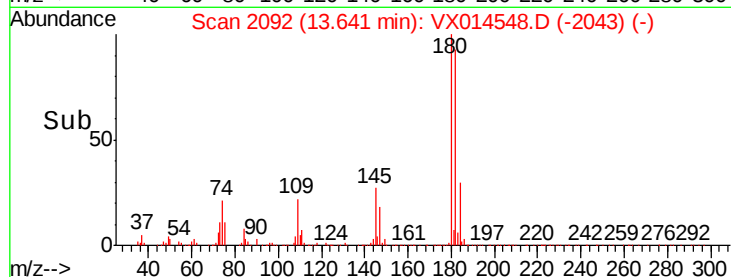
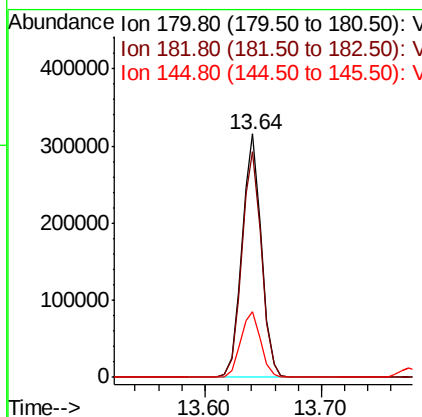
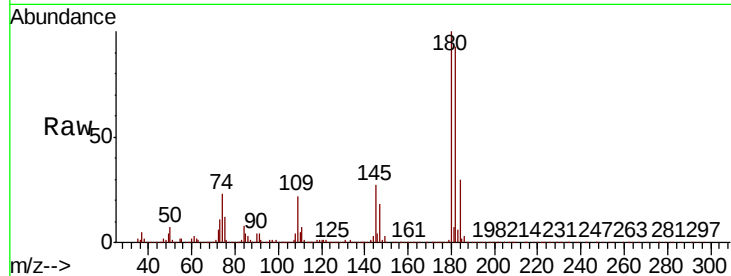
#93
 1,2,4-Trichlorobenzene
 Concen: 48.194 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014548.D
 Acq: 10 Jan 2020 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.5
145	28.2	13.9	41.6

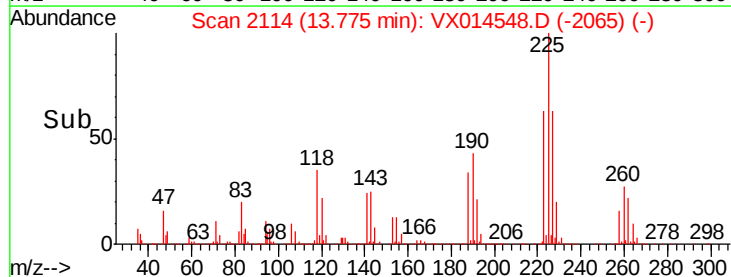
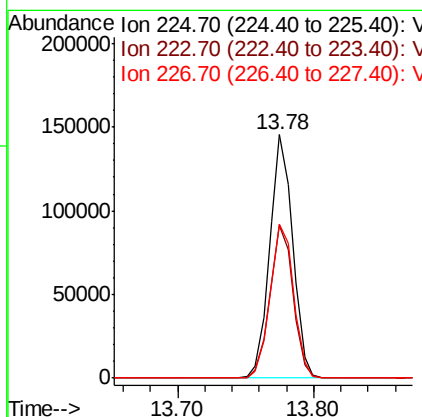
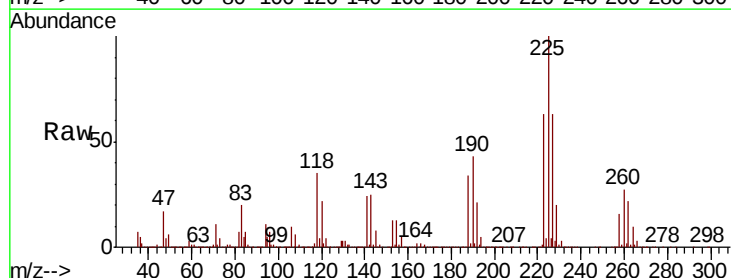
Manual Integrations
 APPROVED

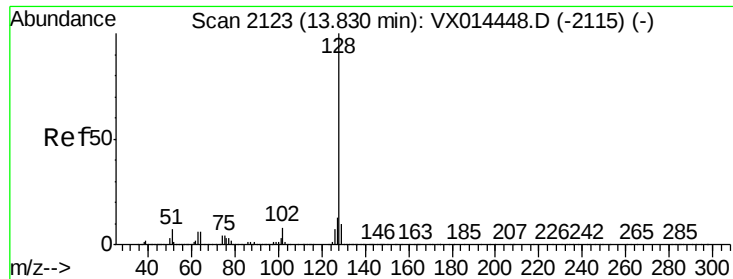
MMDadoda
 1/13/2020 11:34:50 AM



#94
 Hexachlorobutadiene
 Concen: 48.685 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014548.D
 Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.2
227	64.8	31.4	94.2





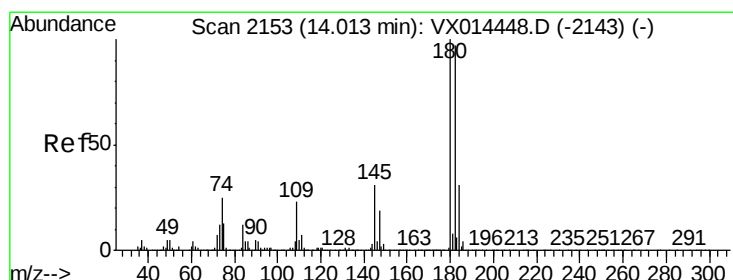
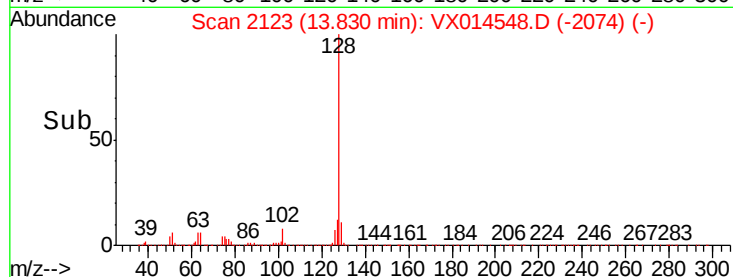
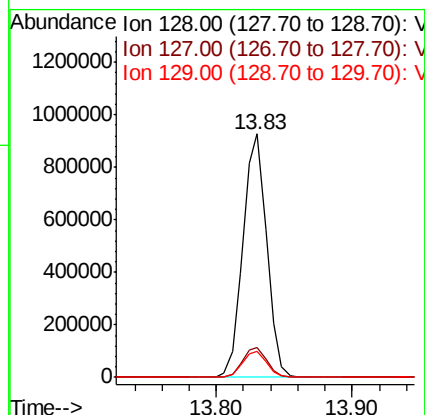
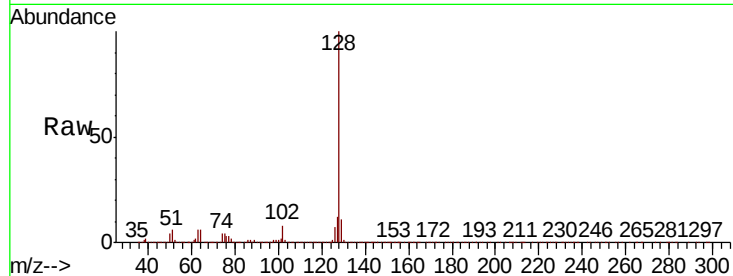
#95
Naphthalene
Concen: 48.017 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/13/2020 11:34:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.263 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014548.D
Acq: 10 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	29.7	14.8	44.3

