

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080819\
 Data File : VX011379.D
 Acq On : 08 Aug 2019 09:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/9/2019 11:07:53 AM

Quant Time: Aug 09 04:30:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	242020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	123415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	89527	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	5.48	113	77896	49.30	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	8.71	98	293736	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.13	95	111101	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	55765	42.875	ug/l	97
3) Chloromethane	1.32	50	61156	41.871	ug/l	98
4) Vinyl Chloride	1.40	62	65749	40.924	ug/l	99
5) Bromomethane	1.63	94	45891	40.050	ug/l	100
6) Chloroethane	1.71	64	46473	46.541	ug/l	98
7) Trichlorofluoromethane	1.92	101	124262	43.499	ug/l	100
8) Diethyl Ether	2.18	74	42485	41.650	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	69585	45.019	ug/l	99
10) Methyl Iodide	2.50	142	85082	43.661	ug/l	98
11) Tert butyl alcohol	3.04	59	76838	227.214	ug/l	100
12) 1,1-Dichloroethene	2.36	96	65586	42.805	ug/l	85
13) Acrolein	2.29	56	51720	246.088	ug/l	98
14) Allyl chloride	2.71	41	100758	49.328	ug/l	97
15) Acrylonitrile	3.13	53	189102	234.326	ug/l	99
16) Acetone	2.43	43	226306	280.353	ug/l	98
17) Carbon Disulfide	2.56	76	155222	43.171	ug/l	99
18) Methyl Acetate	2.76	43	85914	46.573	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	215824	47.798	ug/l	99
20) Methylene Chloride	2.84	84	75705	42.823	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	71588	44.169	ug/l	91
22) Diisopropyl ether	3.84	45	213309	47.515	ug/l	95
23) Vinyl Acetate	3.81	43	936202	251.431	ug/l	98
24) 1,1-Dichloroethane	3.68	63	123430	46.627	ug/l	99
25) 2-Butanone	4.66	43	291999	254.295	ug/l	99
26) 2,2-Dichloropropane	4.57	77	103616	50.353	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	84258	45.133	ug/l	96
28) Bromochloromethane	5.00	49	63023	52.222	ug/l	97
29) Tetrahydrofuran	5.12	42	161288	229.083	ug/l	99
30) Chloroform	5.20	83	136564	47.465	ug/l	96
31) Cyclohexane	5.57	56	99503	45.560	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	119389	48.440	ug/l	99
36) 1,1-Dichloropropene	5.79	75	96686	45.756	ug/l	98
37) Ethyl Acetate	4.82	43	100809	47.561	ug/l	99
38) Carbon Tetrachloride	5.78	117	106396	50.048	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	113630	45.367	ug/l	97
40) Benzene	6.13	78	294643	46.728	ug/l	97
41) Methacrylonitrile	5.03	41	54102	46.738	ug/l	97
42) 1,2-Dichloroethane	6.18	62	105889	49.662	ug/l	98
43) Isopropyl Acetate	6.43	43	163126	48.138	ug/l	99
44) Trichloroethene	7.21	130	86649	45.399	ug/l	99
45) 1,2-Dichloropropane	7.51	63	75231	46.069	ug/l	98
46) Dibromomethane	7.65	93	54514	45.728	ug/l	96
47) Bromodichloromethane	7.89	83	103906	51.480	ug/l	98
48) Methyl methacrylate	7.76	41	79281	49.713	ug/l	96
49) 1,4-Dioxane	7.73	88	39482	853.970	ug/l	95
51) 4-Methyl-2-Pentanone	8.63	43	539092	246.507	ug/l	99
52) Toluene	8.78	92	196220	47.066	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	110544	47.197	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	120351	51.046	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	82644	48.214	ug/l	98
56) Ethyl methacrylate	9.17	69	122023	49.954	ug/l	97
57) 1,3-Dichloropropane	9.37	76	129513	47.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	320112	266.524	ug/l	99
59) 2-Hexanone	9.49	43	438679	258.973	ug/l	98
60) Dibromochloromethane	9.58	129	90395	51.509	ug/l	98
61) 1,2-Dibromoethane	9.66	107	88357	47.711	ug/l	99
64) Tetrachloroethene	9.33	164	90261	47.219	ug/l	95
65) Chlorobenzene	10.13	112	221995	45.998	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	84294	51.017	ug/l	98
67) Ethyl Benzene	10.25	91	390548	48.319	ug/l	100
68) m/p-Xylenes	10.35	106	300665	96.171	ug/l	96
69) o-Xylene	10.69	106	145099	47.236	ug/l	97
70) Styrene	10.71	104	253762	49.927	ug/l	98
71) Bromoform	10.85	173	69119	46.968	ug/l #	98
73) Isopropylbenzene	11.01	105	400622	47.463	ug/l	99
74) N-amyl acetate	10.90	43	151625	49.715	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	127962	45.492	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	111784m	49.736	ug/l	
77) Bromobenzene	11.25	156	106050	45.310	ug/l	95
78) n-propylbenzene	11.35	91	459377	48.940	ug/l	98
79) 2-Chlorotoluene	11.41	91	268314	47.959	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	343523	48.618	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	38630	46.268	ug/l	96
82) 4-Chlorotoluene	11.51	91	316546	48.549	ug/l	98
83) tert-Butylbenzene	11.77	119	333827	48.172	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	346712	49.285	ug/l	99
85) sec-Butylbenzene	11.94	105	400809	48.139	ug/l	100
86) p-Isopropyltoluene	12.06	119	378148	49.369	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	195075	47.170	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	196726	46.132	ug/l	99
89) n-Butylbenzene	12.38	91	325005	49.250	ug/l	100
90) Hexachloroethane	12.59	117	59337	52.398	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	192819	46.403	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27869	51.139	ug/l	91

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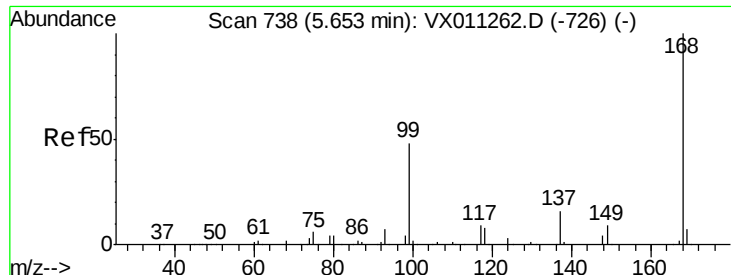
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	130257	47.268	ug/l	98
94) Hexachlorobutadiene	13.78	225	67865	48.540	ug/l	99
95) Naphthalene	13.83	128	394334	48.932	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	134307	47.940	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 168403

Ion Ratio Lower Upper

168 100

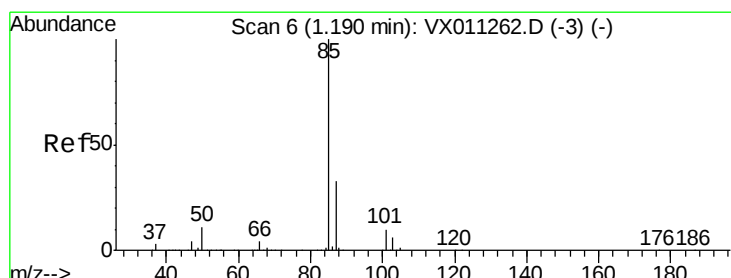
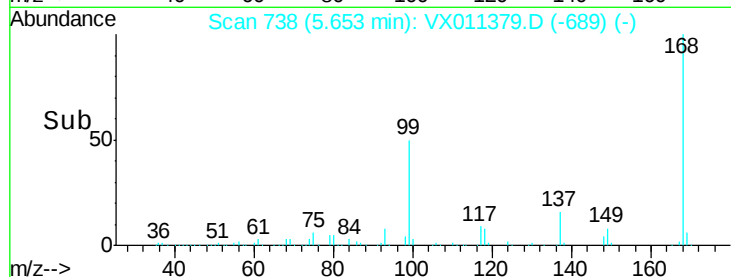
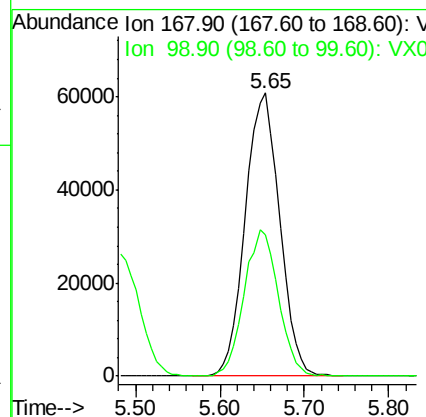
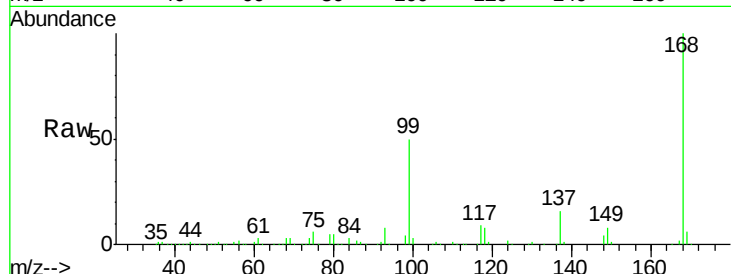
99 50.0 38.5 57.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 42.875 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011379.D

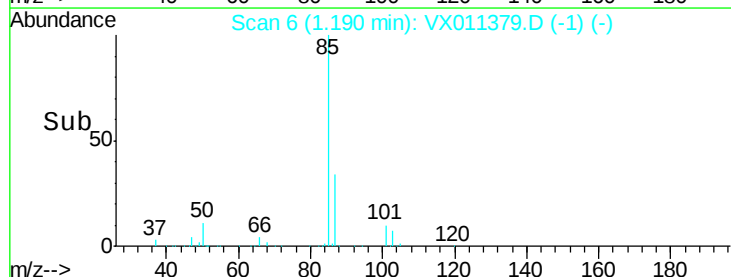
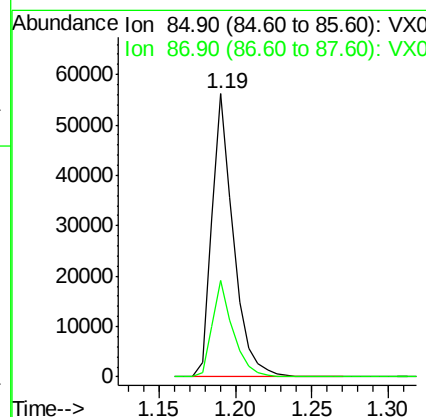
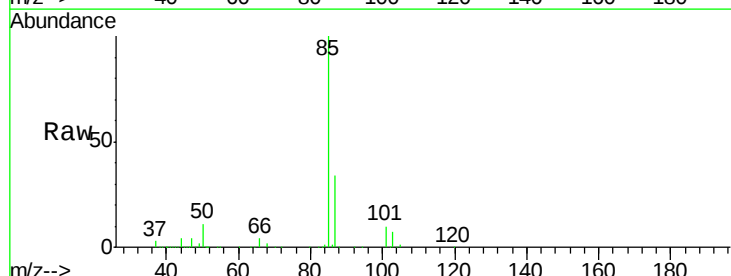
Acq: 08 Aug 2019 09:45

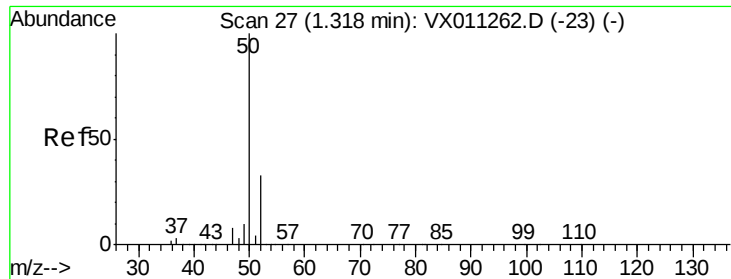
Tgt Ion: 85 Resp: 55765

Ion Ratio Lower Upper

85 100

87 34.2 16.4 49.1





#3

Chloromethane

Concen: 41.871 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 61156

Ion Ratio Lower Upper

50 100

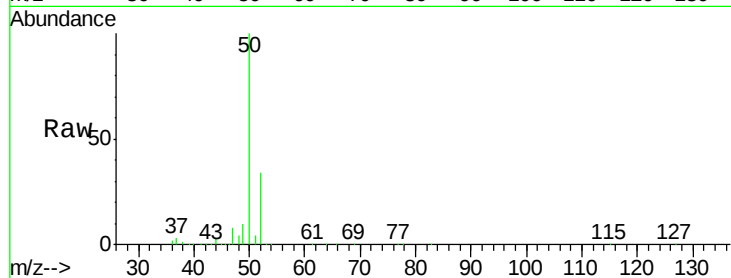
52 34.2 26.4 39.6

Manual Integrations

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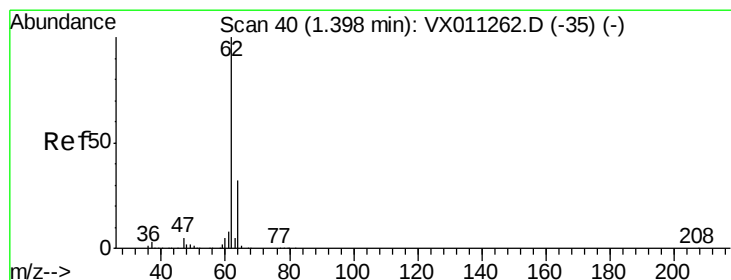
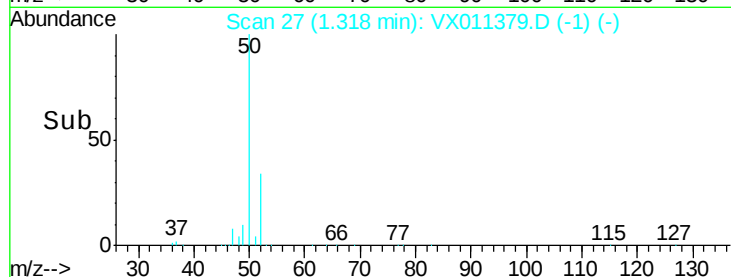
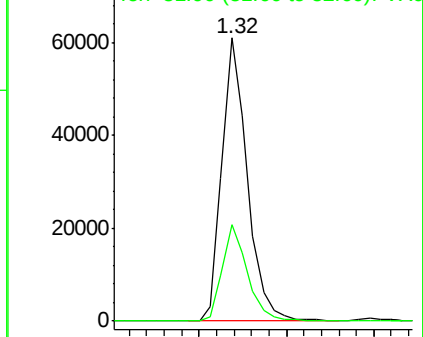
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 40.924 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011379.D

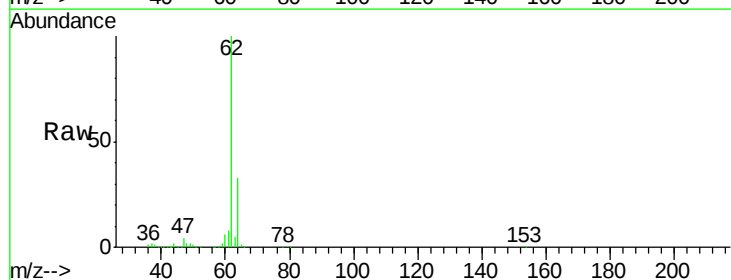
Acq: 08 Aug 2019 09:45

Tgt Ion: 62 Resp: 65749

Ion Ratio Lower Upper

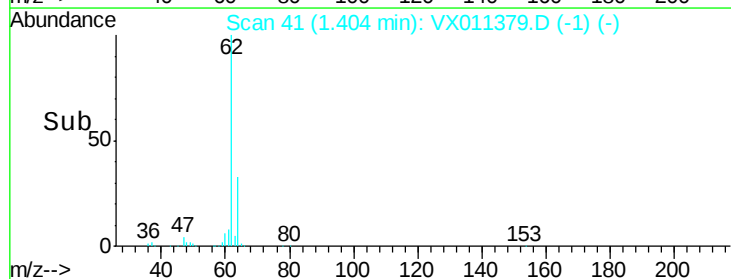
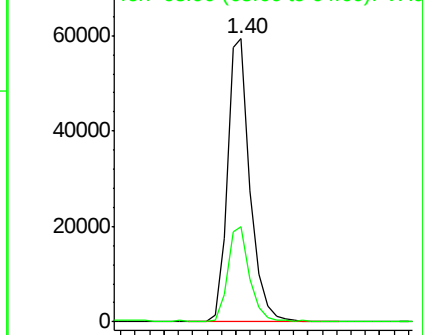
62 100

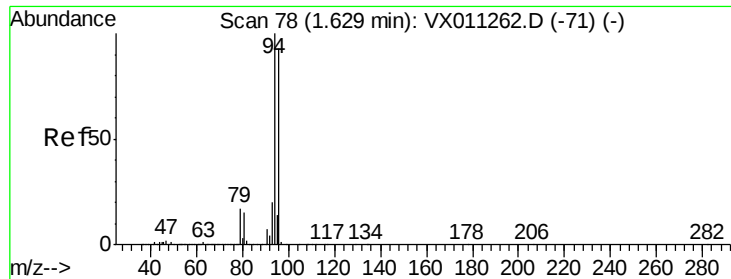
64 33.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.050 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 45891

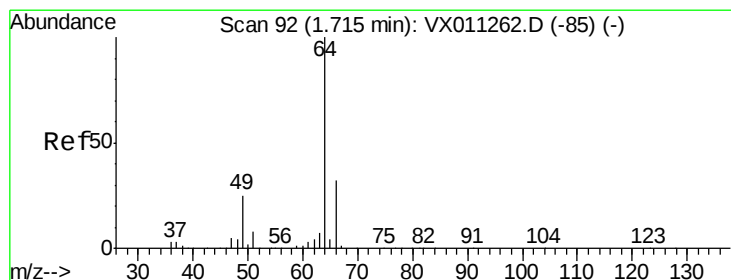
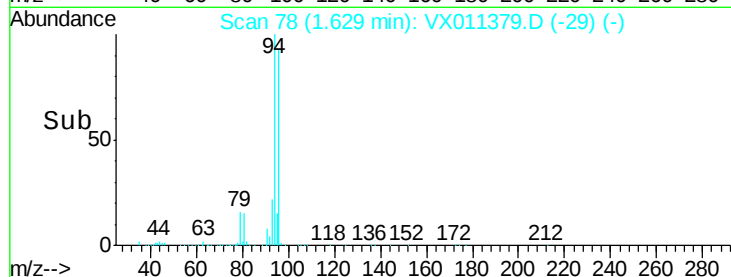
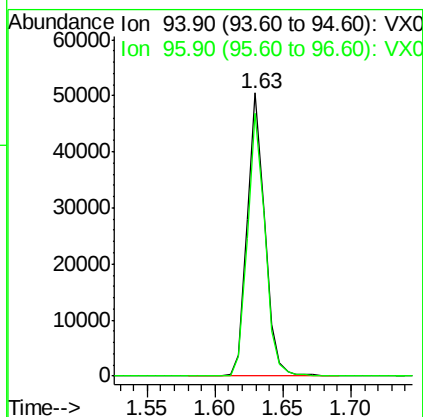
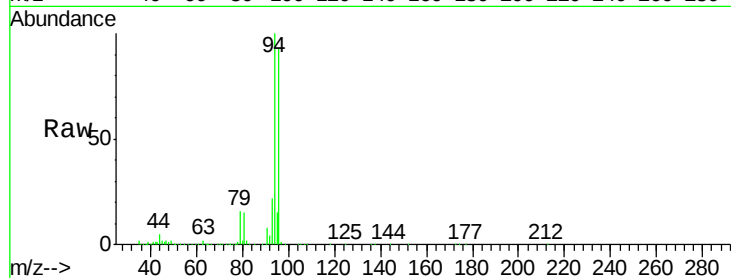
Ion Ratio Lower Upper

94 100

96 92.9 74.6 112.0

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#6

Chloroethane

Concen: 46.541 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011379.D

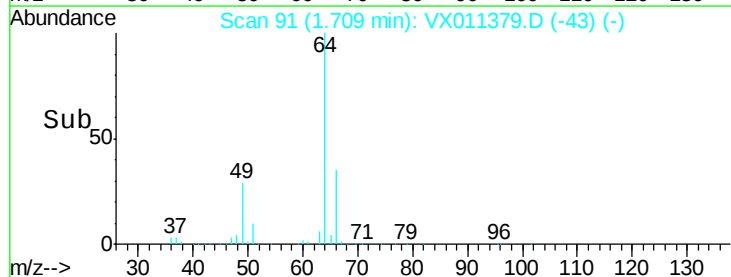
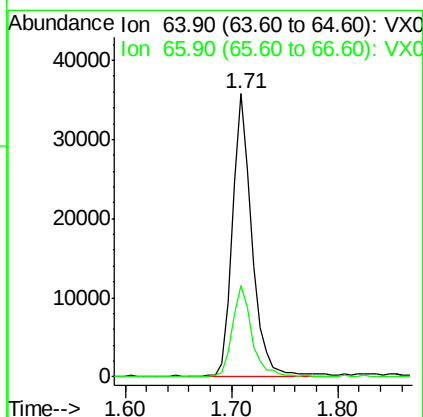
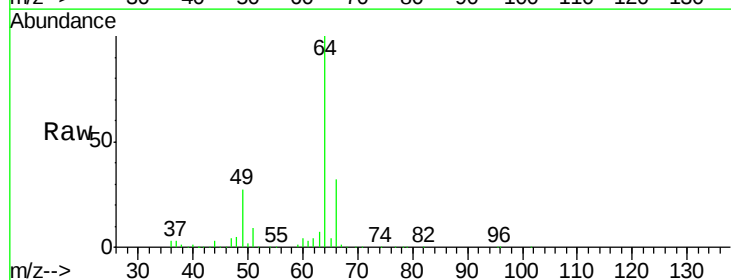
Acq: 08 Aug 2019 09:45

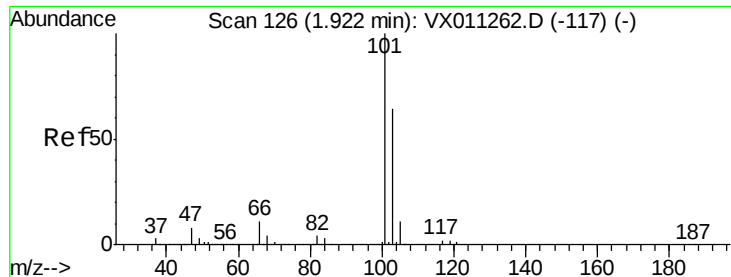
Tgt Ion: 64 Resp: 46473

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7





#7

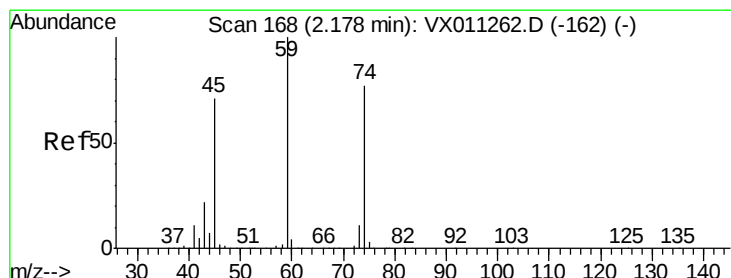
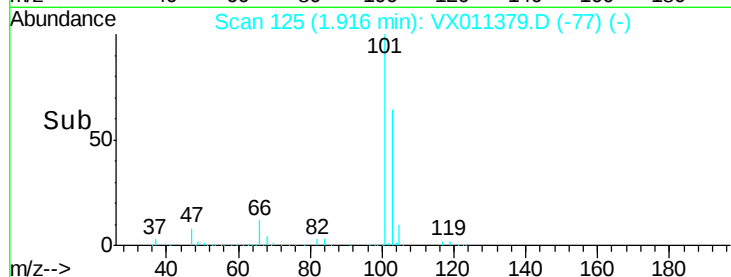
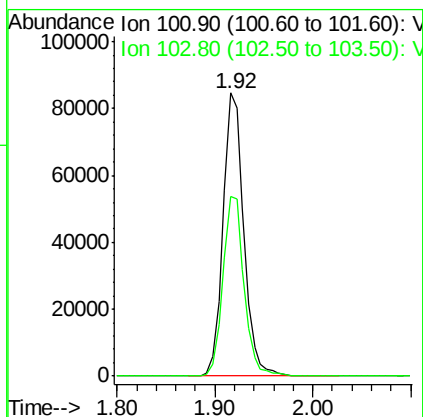
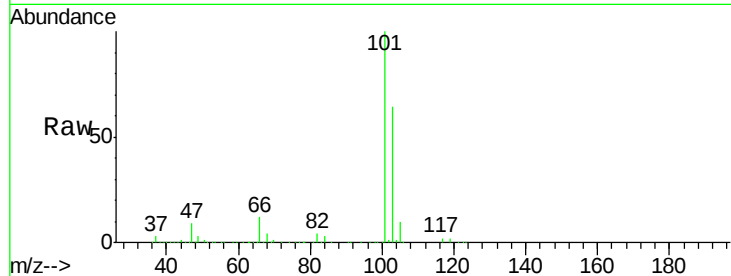
Trichlorofluoromethane
Concen: 43.499 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.9	76.3

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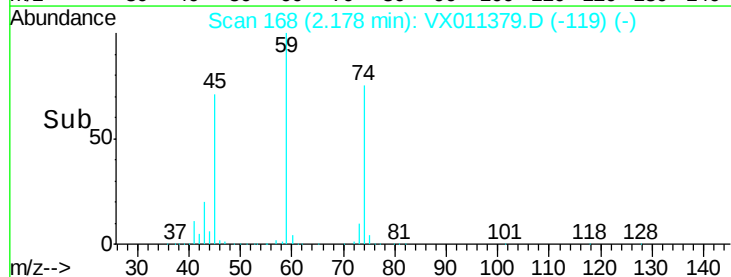
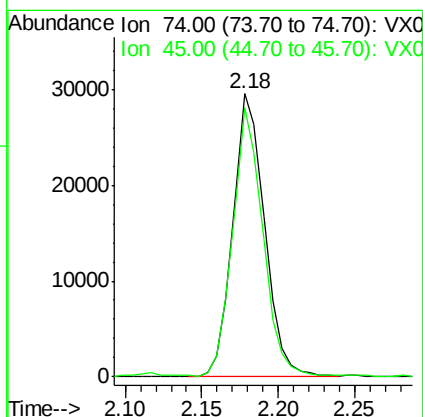
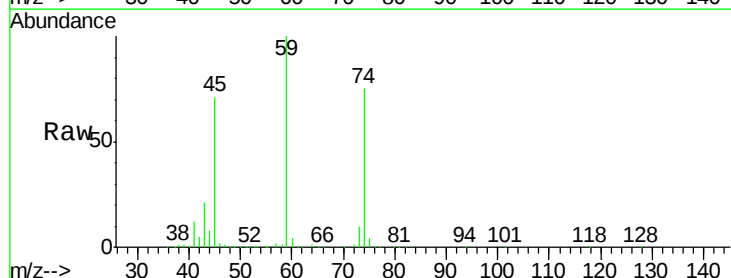
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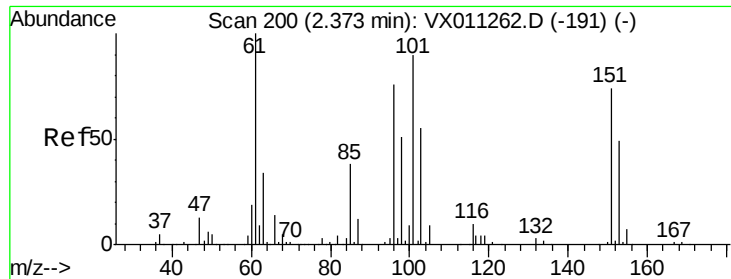


#8

Diethyl Ether
Concen: 41.650 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.1	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.019 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

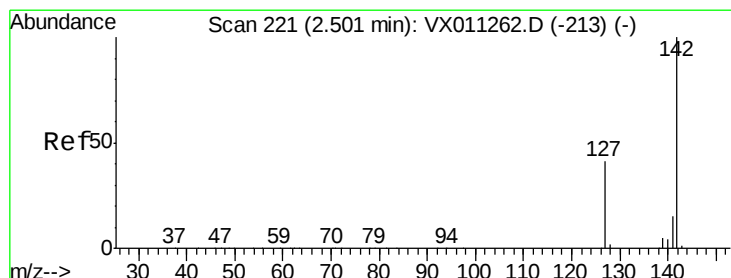
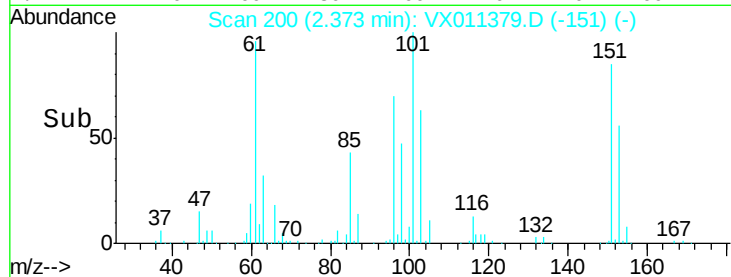
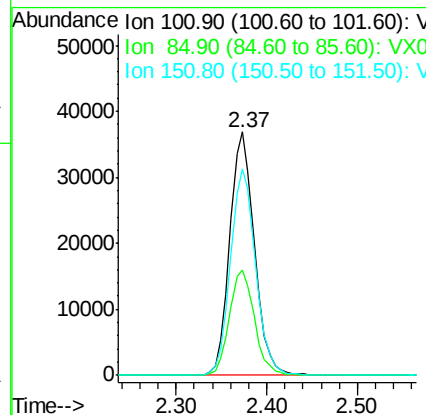
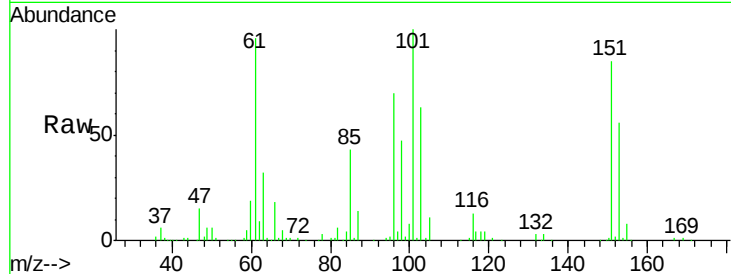
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	69585
Ion Ratio	Lower	Upper	
101	100		
85	43.9	33.8	50.6
151	86.6	69.5	104.3

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#10

Methyl Iodide

Concen: 43.661 ug/l

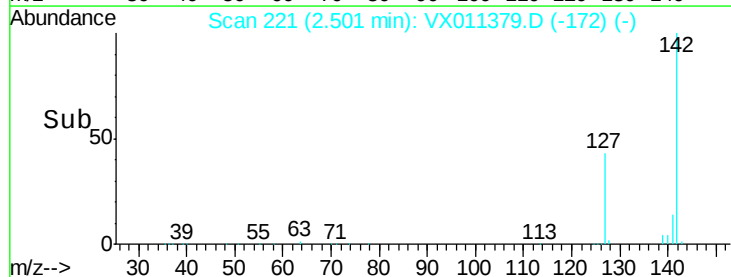
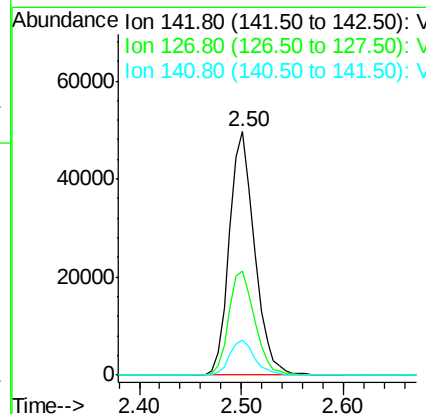
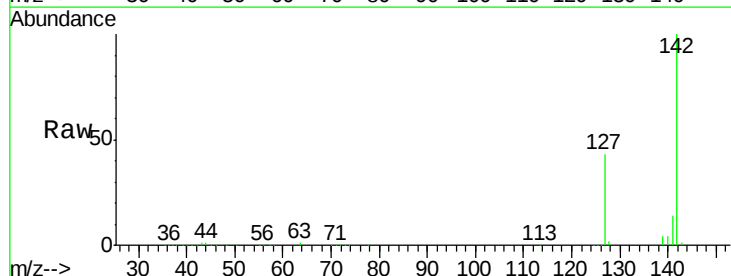
RT: 2.50 min Scan# 221

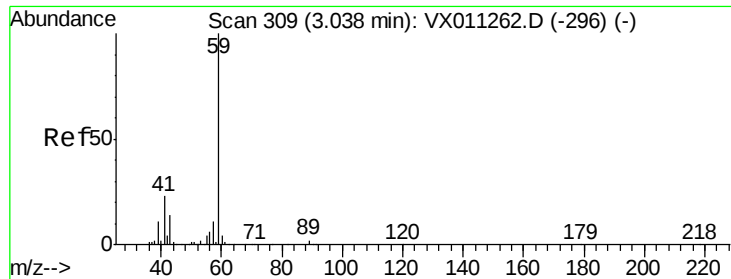
Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Tgt Ion:	142	Resp:	85082
Ion Ratio	Lower	Upper	
142	100		
127	44.2	33.8	50.8
141	14.3	11.4	17.2





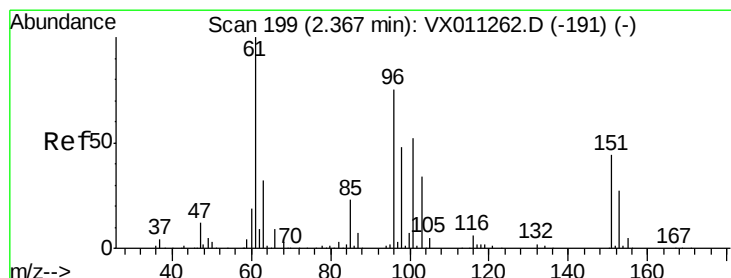
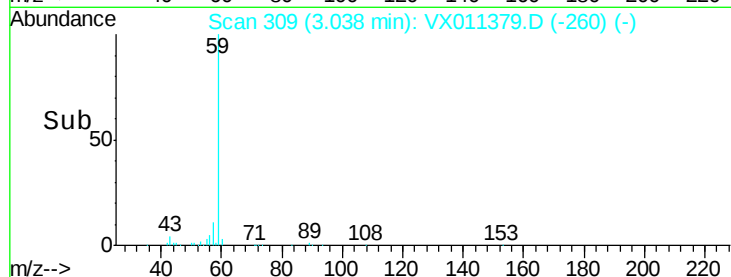
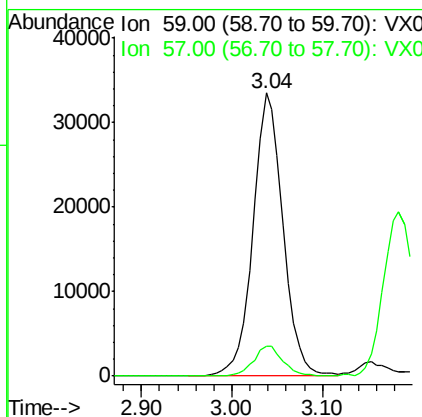
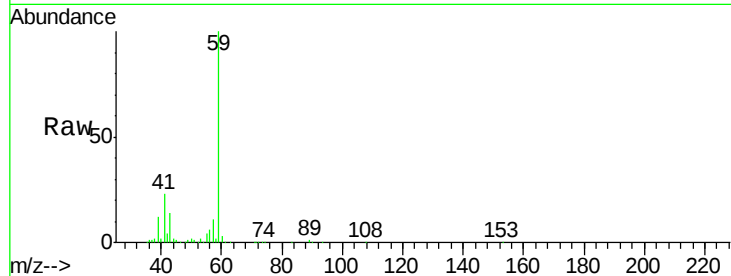
#11
Tert butyl alcohol
Concen: 227.214 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

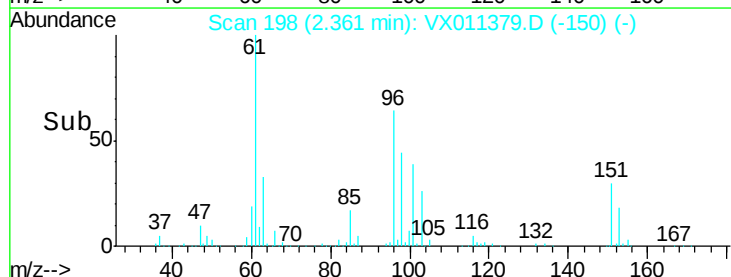
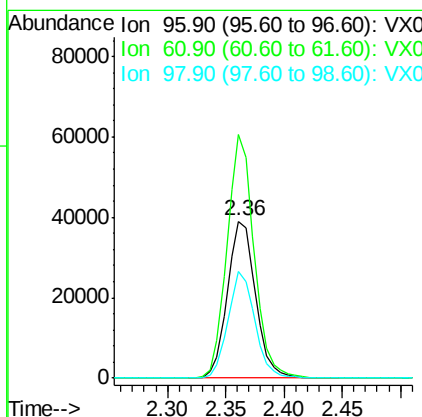
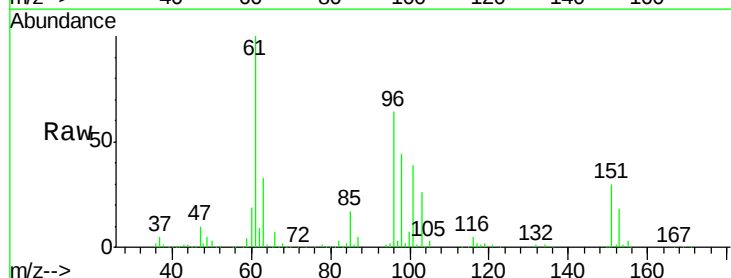
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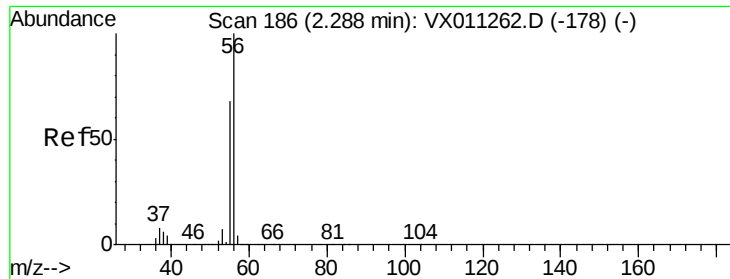
MMDadoda
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#12
1,1-Dichloroethene
Concen: 42.805 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	106.2	159.2
98	68.4	50.6	75.8





#13

Acrolein

Concen: 246.088 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 51720

Ion Ratio Lower Upper

56 100

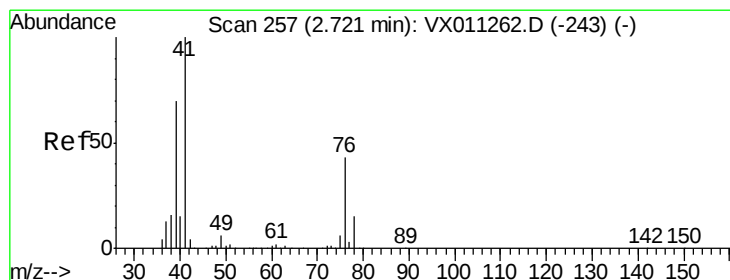
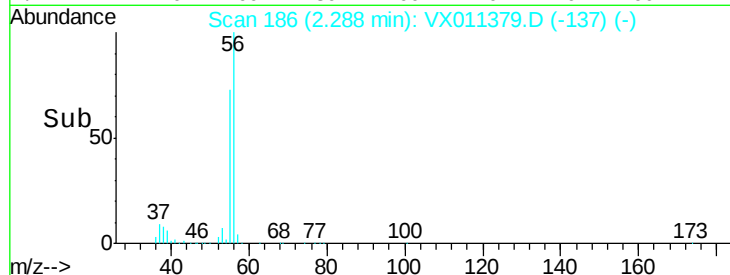
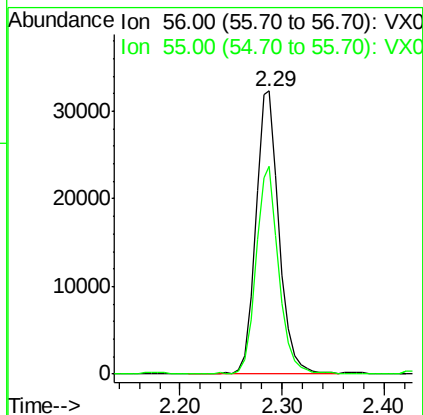
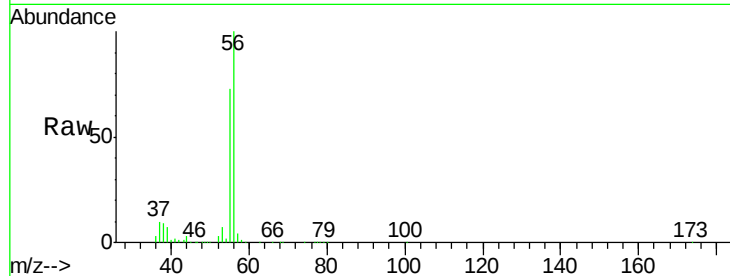
55 71.9 56.0 84.0

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#14

Allyl chloride

Concen: 49.328 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

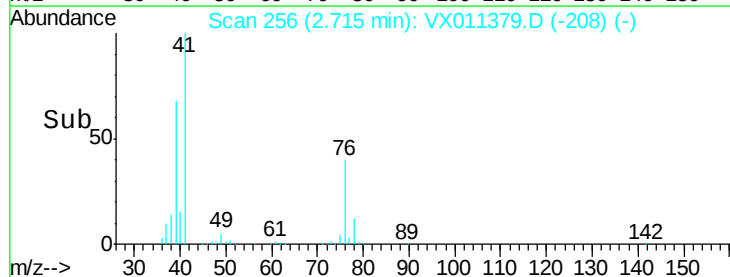
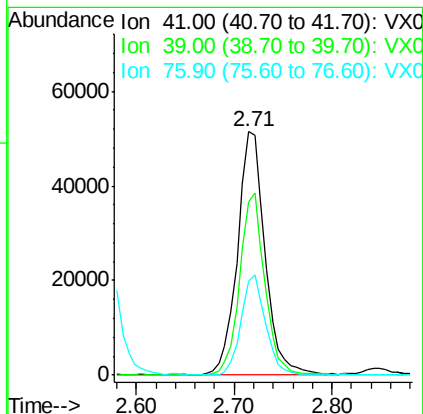
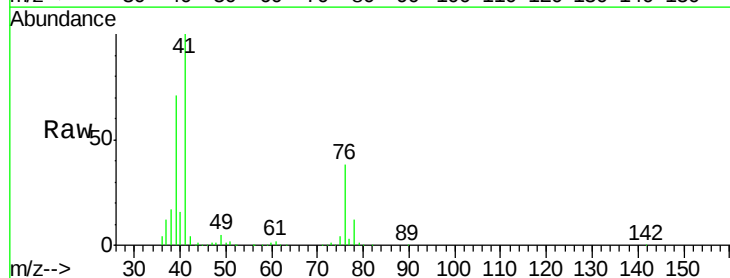
Tgt Ion: 41 Resp: 100758

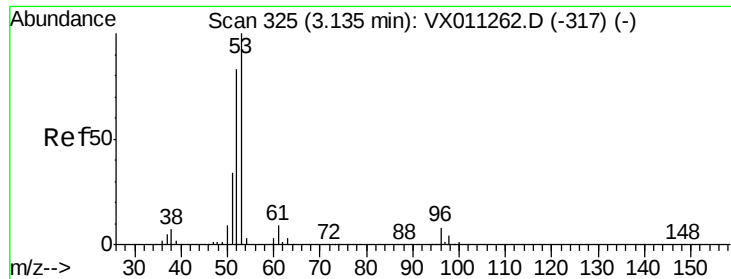
Ion Ratio Lower Upper

41 100

39 67.4 52.8 79.2

76 36.3 31.1 46.7





#15

Acrylonitrile

Concen: 234.326 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

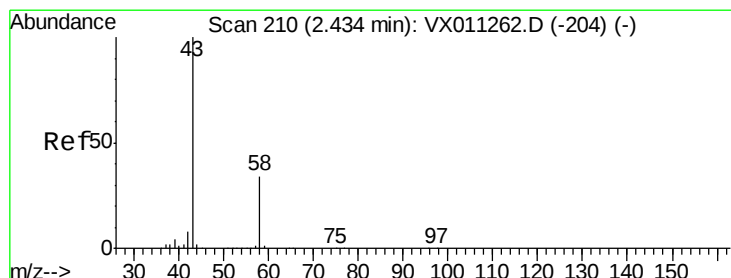
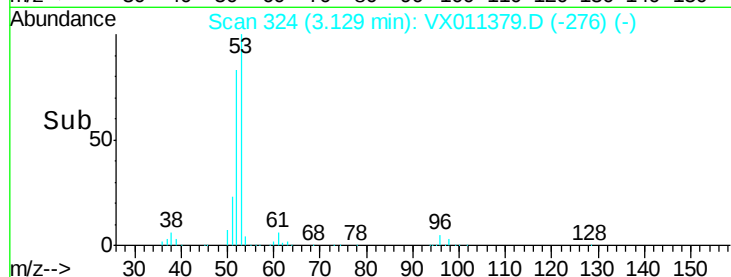
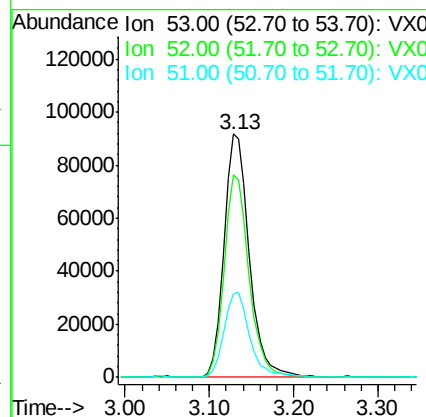
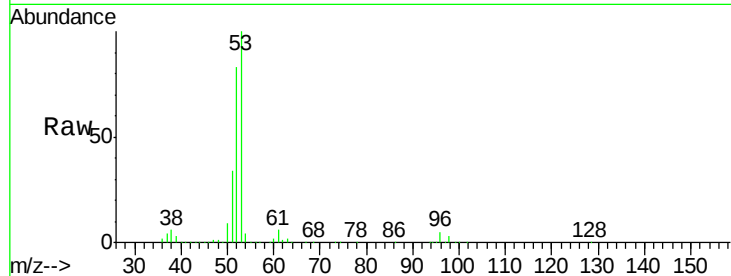
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	189102
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.5	98.3
51	35.7	27.9	41.9

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#16

Acetone

Concen: 280.353 ug/l

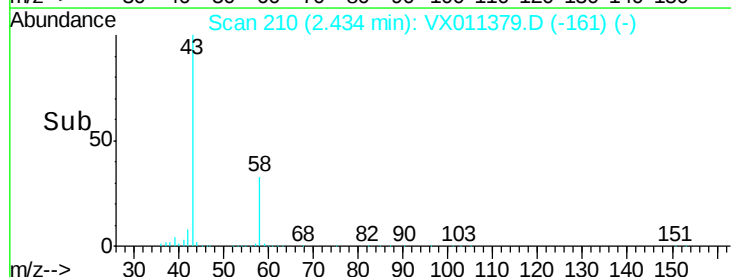
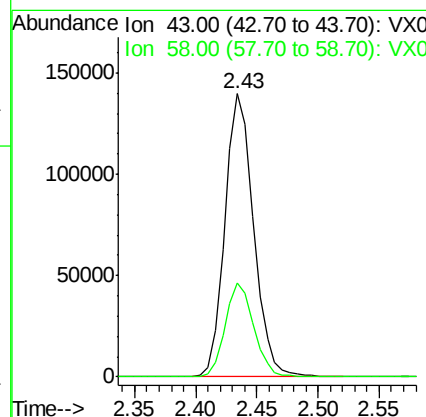
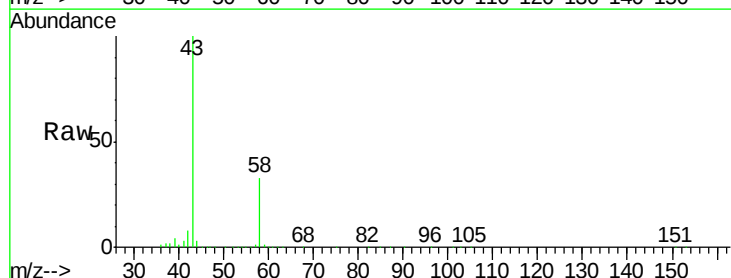
RT: 2.43 min Scan# 210

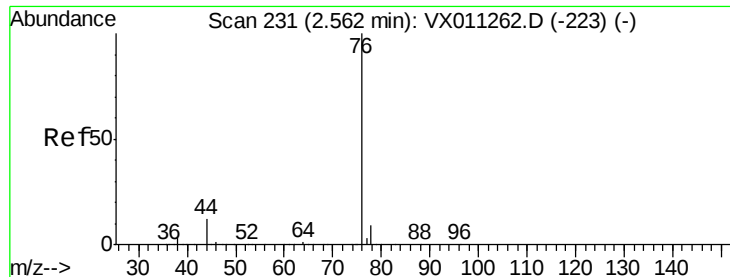
Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Tgt Ion:	43	Resp:	226306
Ion Ratio	Lower	Upper	
43	100		
58	33.0	27.4	41.0





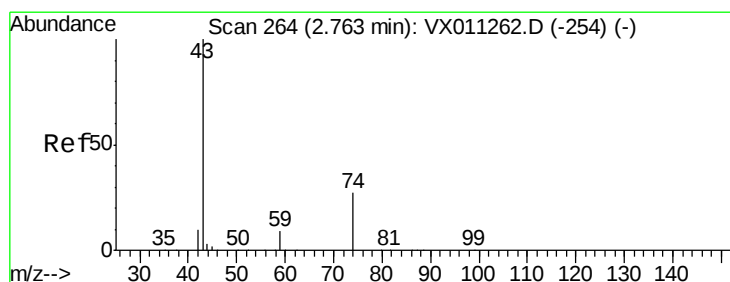
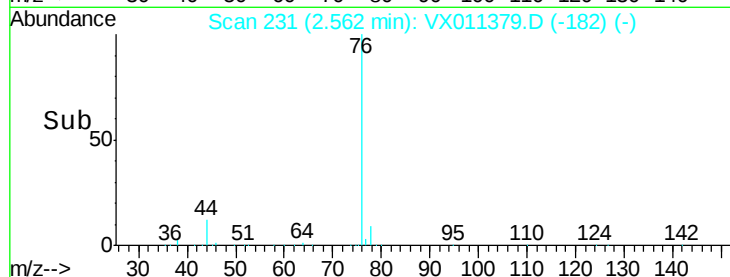
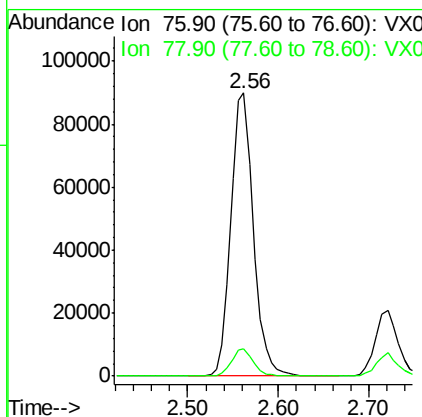
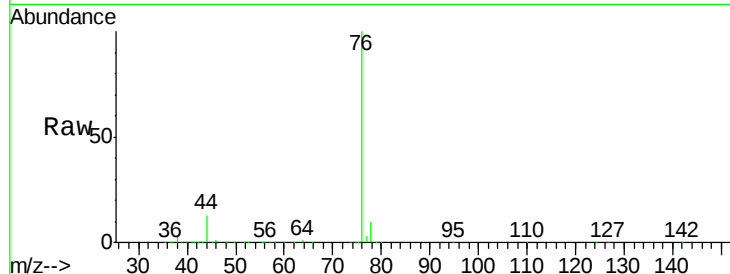
#17
Carbon Disulfide
Concen: 43.171 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 155222
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

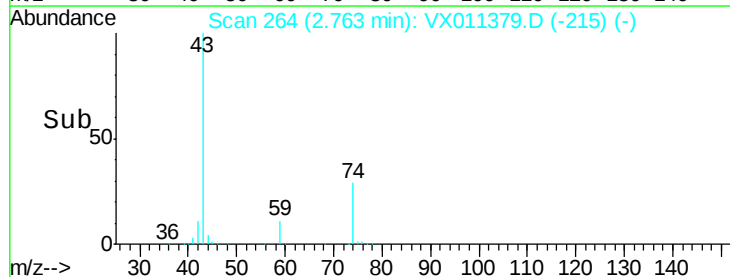
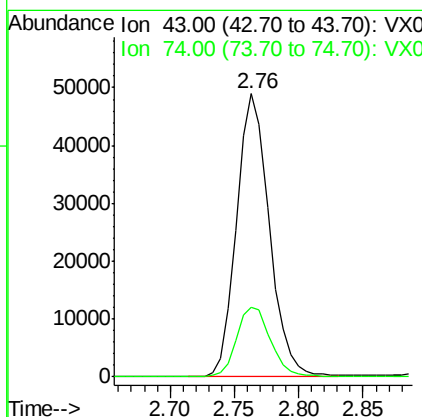
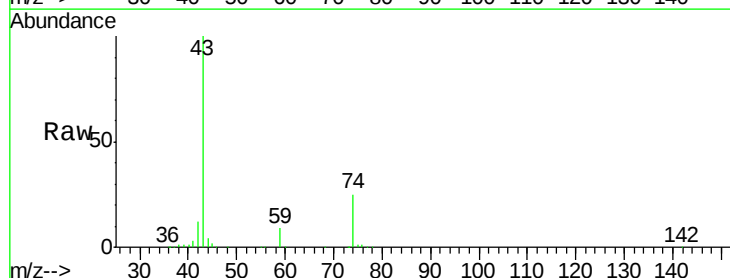
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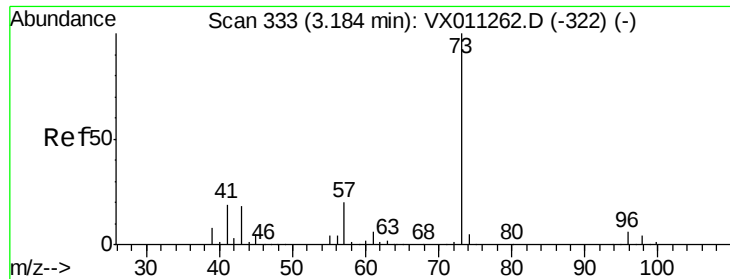
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#18
Methyl Acetate
Concen: 46.573 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion: 43 Resp: 85914
Ion Ratio Lower Upper
43 100
74 26.4 21.0 31.6





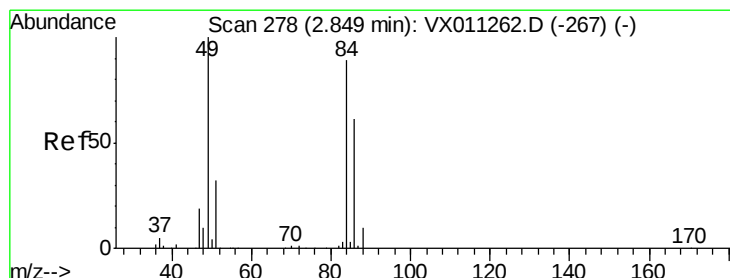
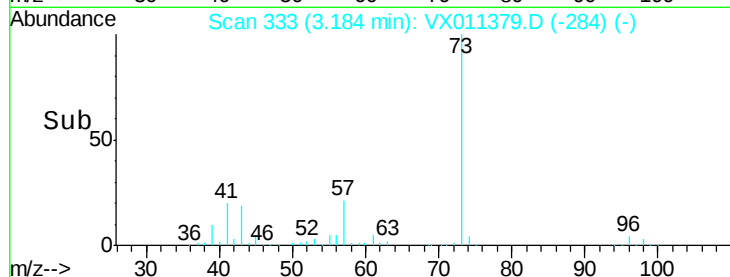
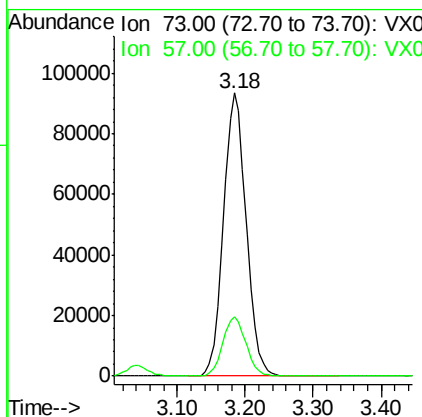
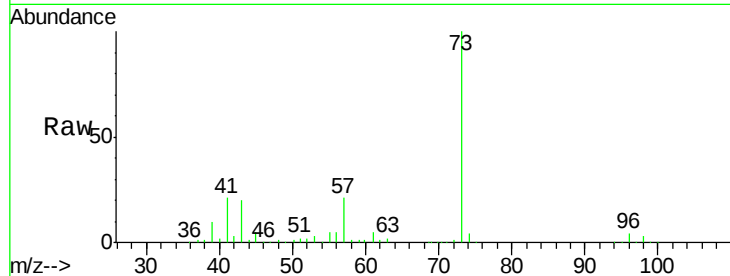
#19
Methvl tert-butvl Ether
Concen: 47.798 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 215824
Ion Ratio Lower Upper
73 100
57 20.8 16.2 24.2

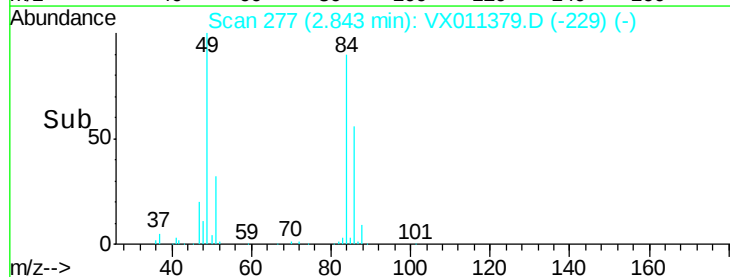
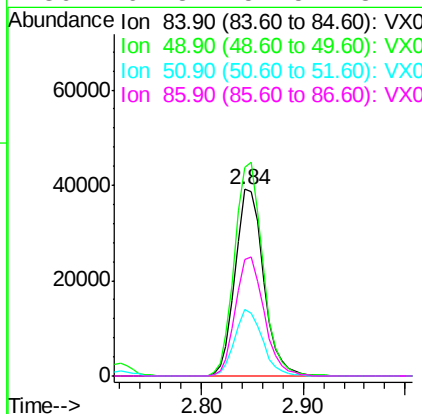
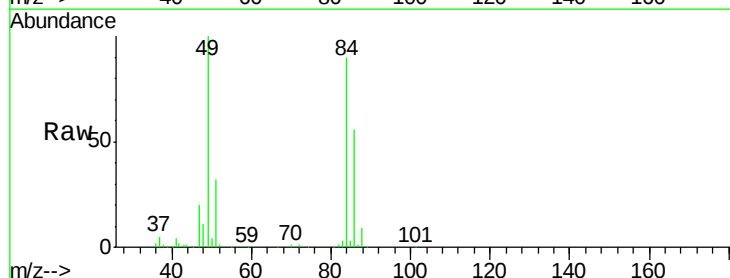
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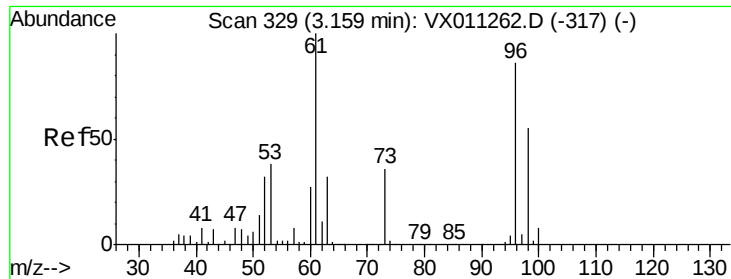
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#20
Methylene Chloride
Concen: 42.823 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion: 84 Resp: 75705
Ion Ratio Lower Upper
84 100
49 111.7 89.3 133.9
51 35.6 28.3 42.5
86 62.8 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 44.169 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 71588

Ion Ratio Lower Upper

96 100

61 129.5 92.8 139.2

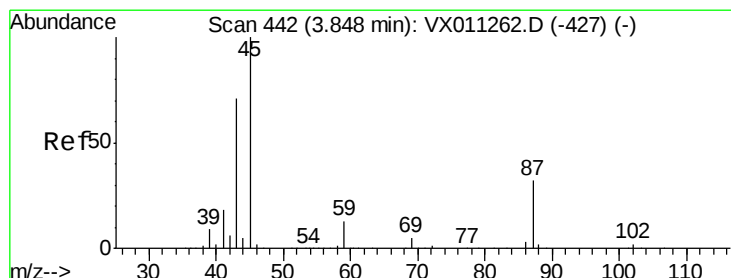
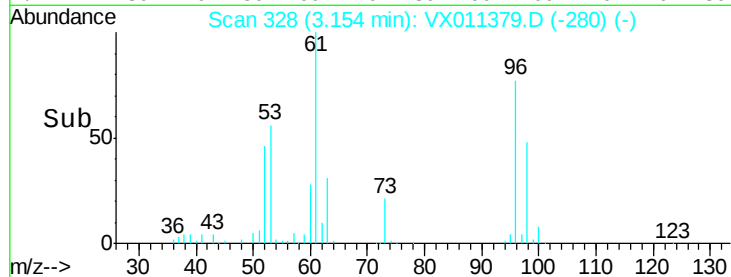
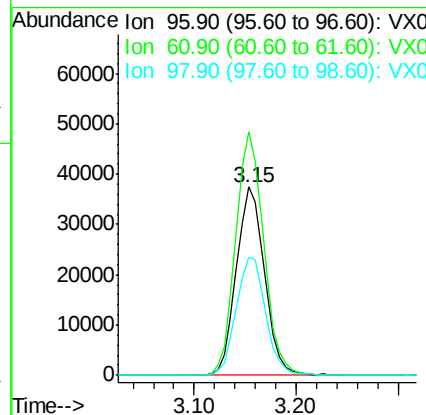
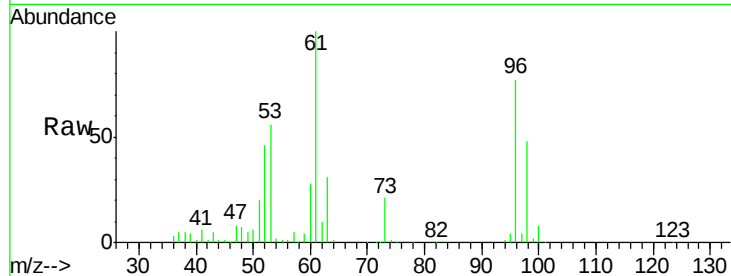
98 62.7 51.2 76.8

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#22

Diisopropyl ether

Concen: 47.515 ug/l

RT: 3.84 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Tgt Ion: 45 Resp: 213309

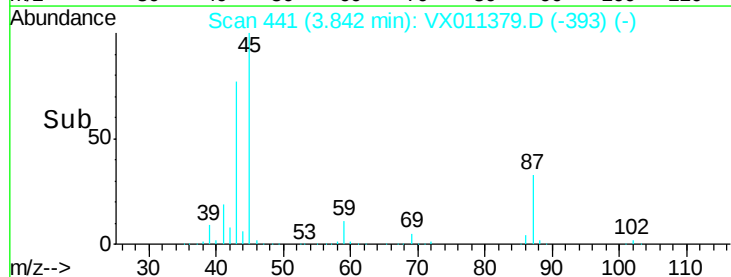
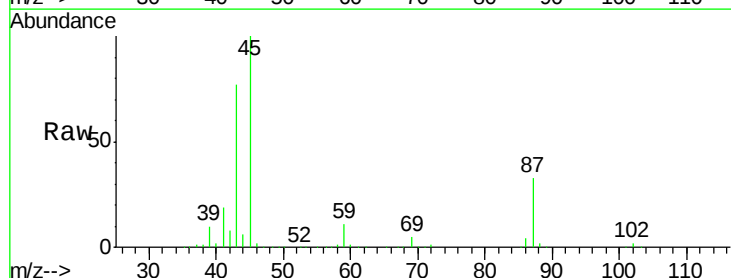
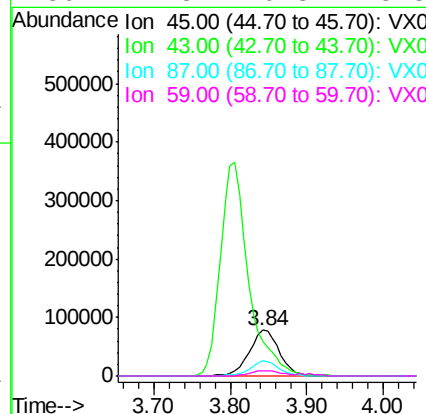
Ion Ratio Lower Upper

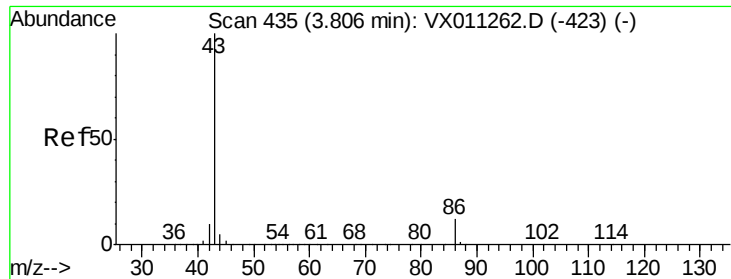
45 100

43 76.9 56.8 85.2

87 32.7 25.8 38.6

59 11.3 10.3 15.5





#23

Vinyl Acetate

Concen: 251.431 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 936202

Ion Ratio Lower Upper

43 100

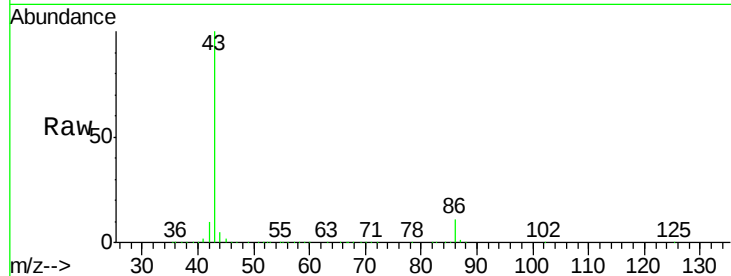
86 11.3 9.6 14.4

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

400000

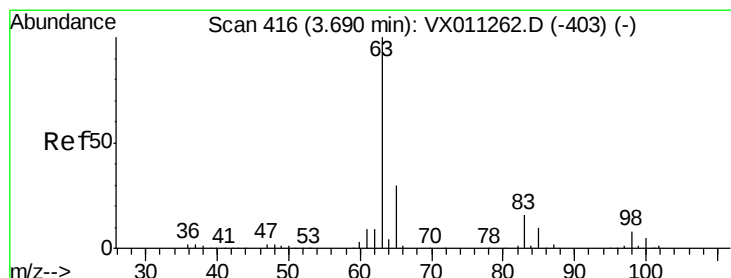
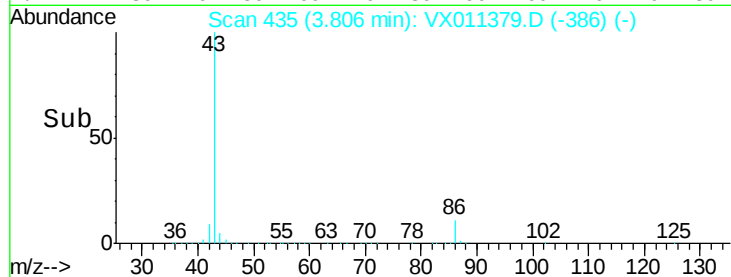
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 46.627 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

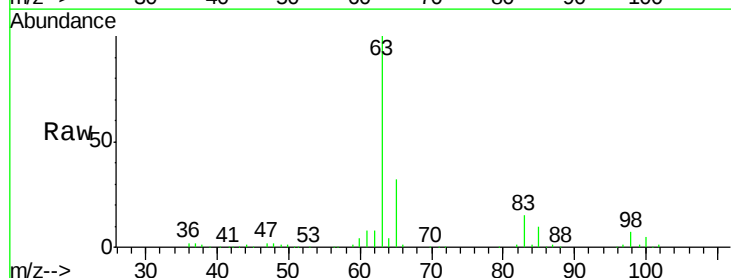
Tgt Ion: 63 Resp: 123430

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

100 4.9 2.7 8.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

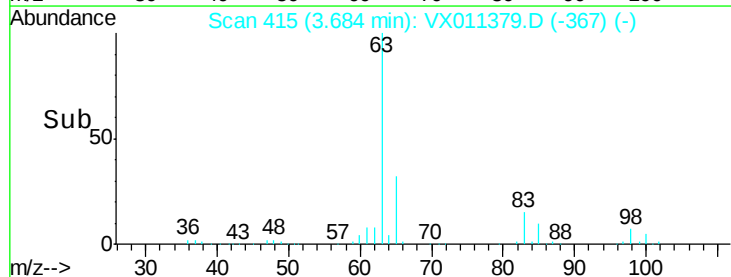
60000

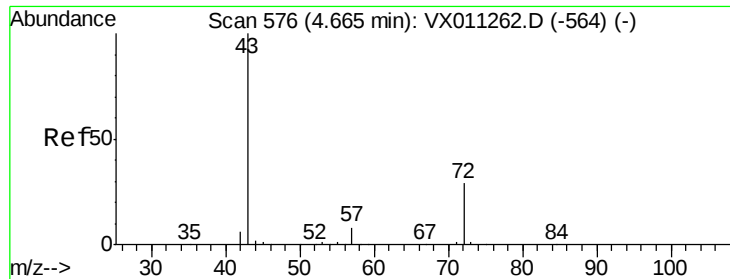
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 254.295 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 291999

Ion Ratio Lower Upper

43 100

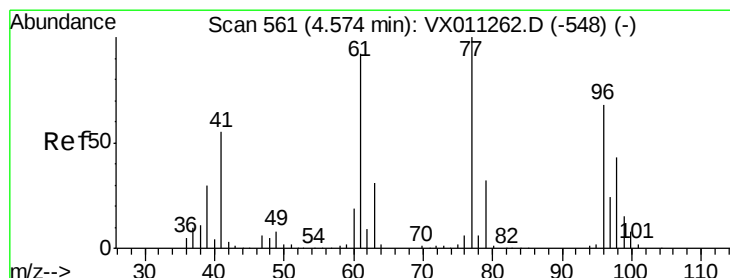
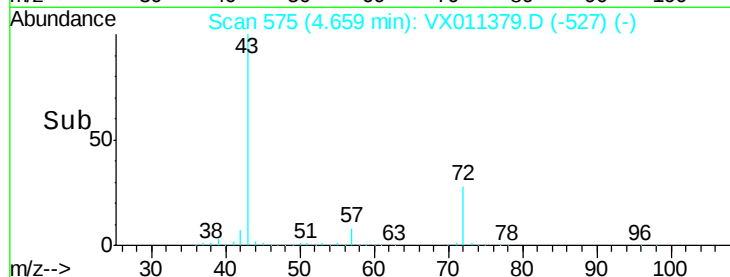
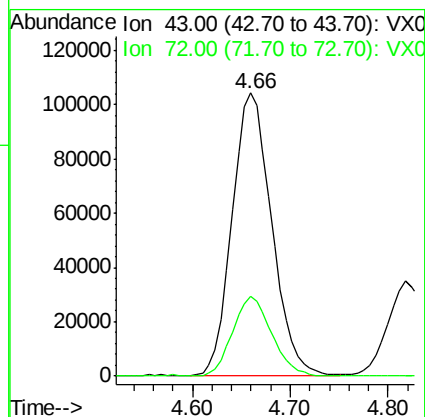
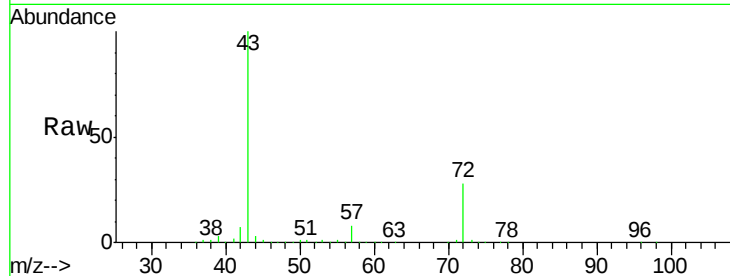
72 28.2 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.353 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011379.D

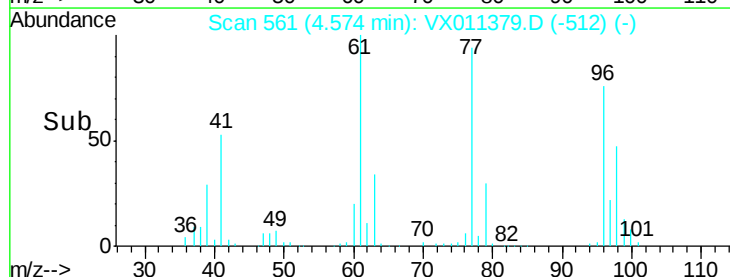
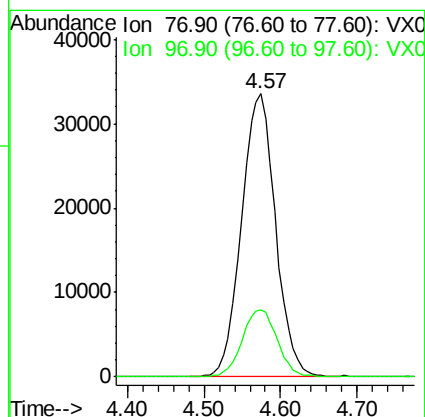
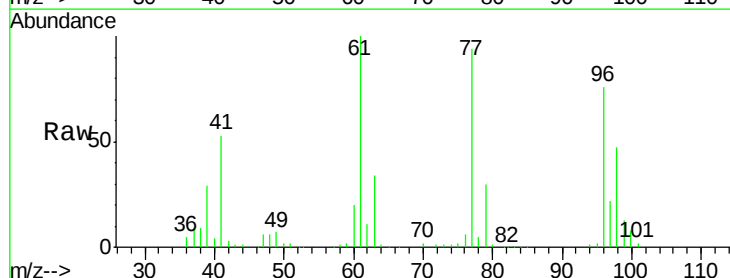
Acq: 08 Aug 2019 09:45

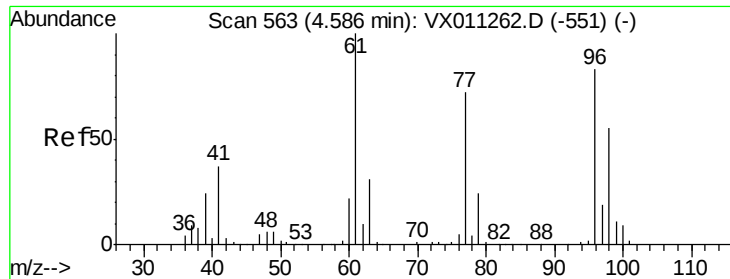
Tgt Ion: 77 Resp: 103616

Ion Ratio Lower Upper

77 100

97 24.5 12.8 38.4





#27

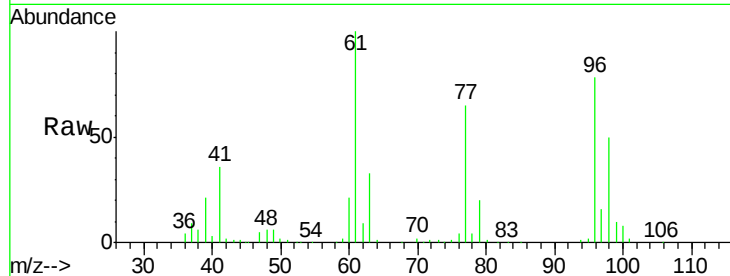
cis-1,2-Dichloroethene
Concen: 45.133 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	260.2
98	62.9	0.0	133.2

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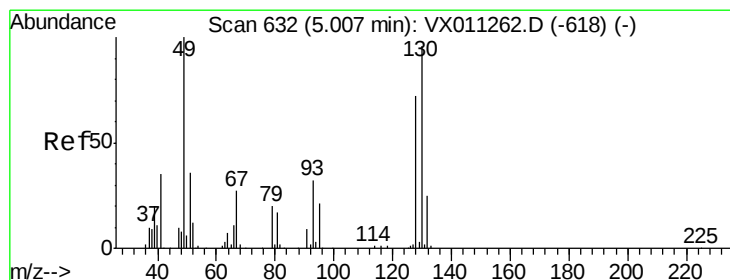
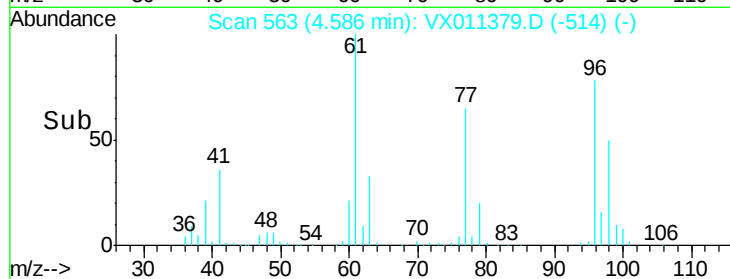
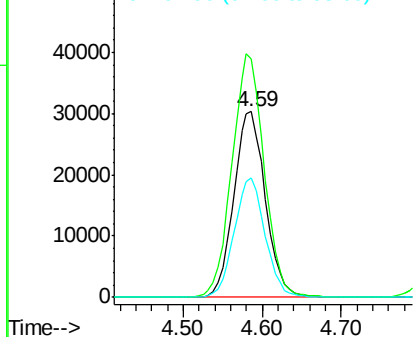


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

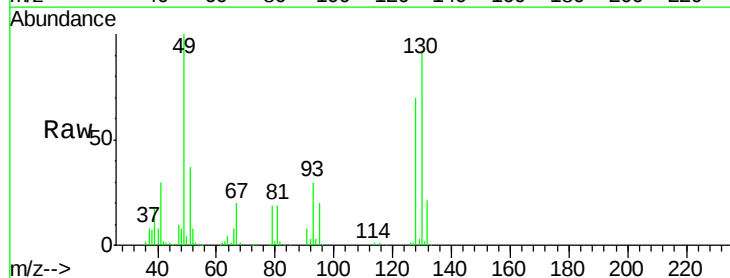
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 52.222 ug/l
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.8
130	94.8	77.9	116.9

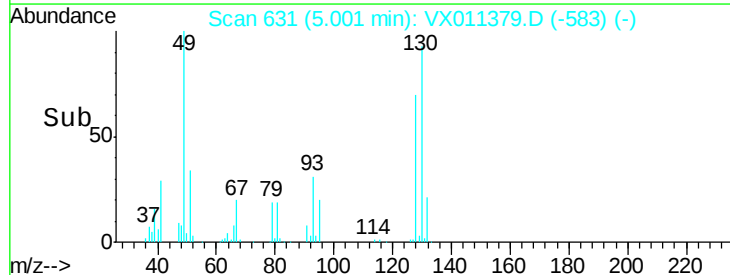
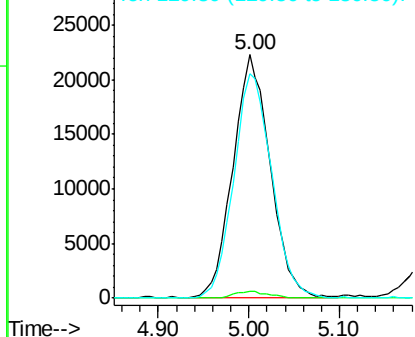


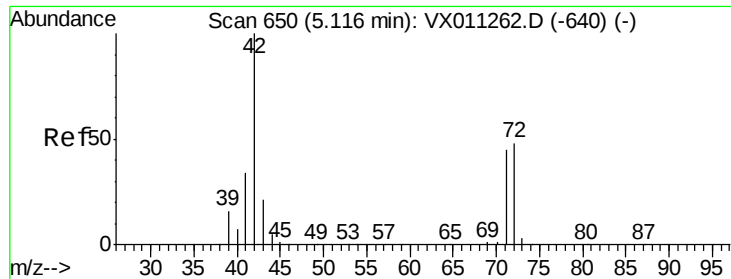
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





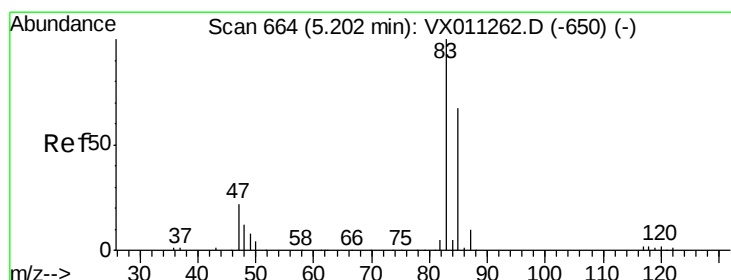
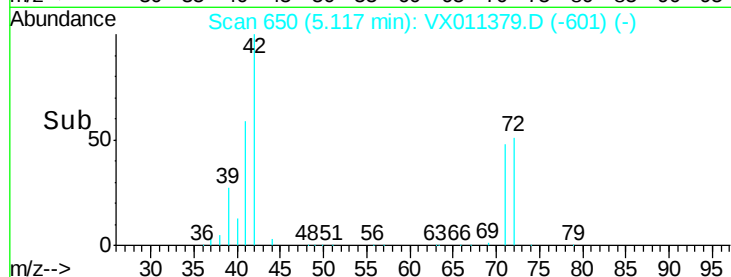
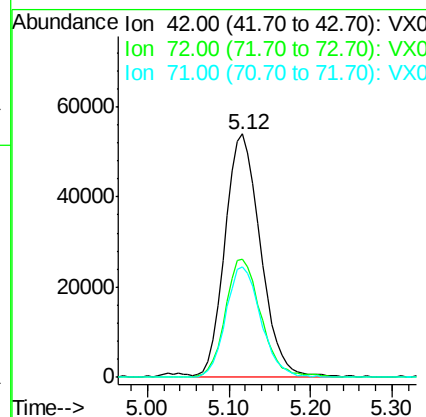
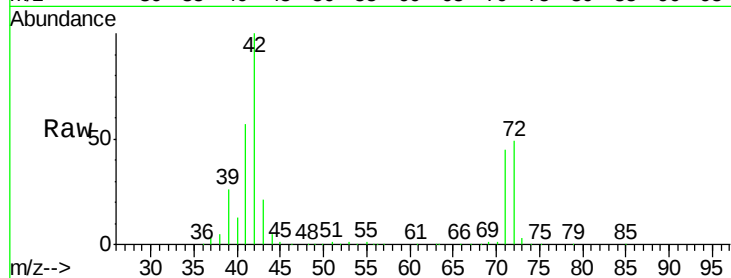
#29
Tetrahydrofuran
Concen: 229.083 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	39.9	59.9
71	45.5	36.9	55.3

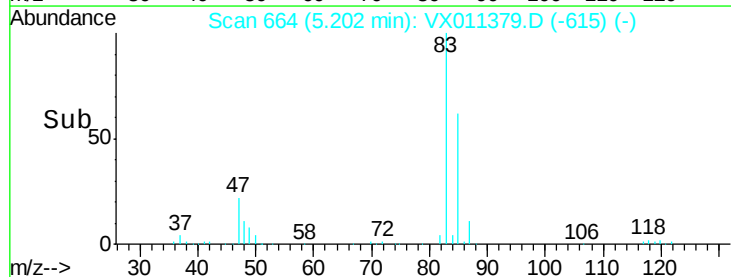
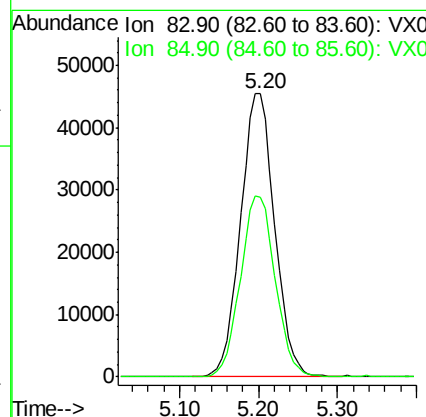
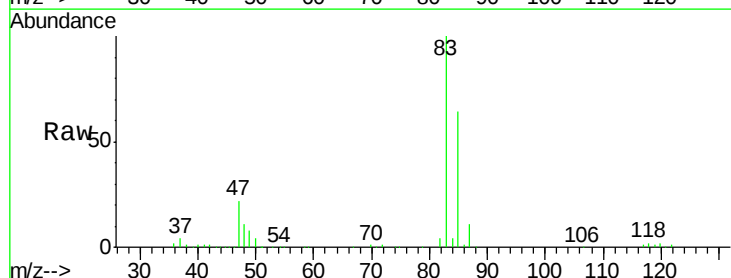
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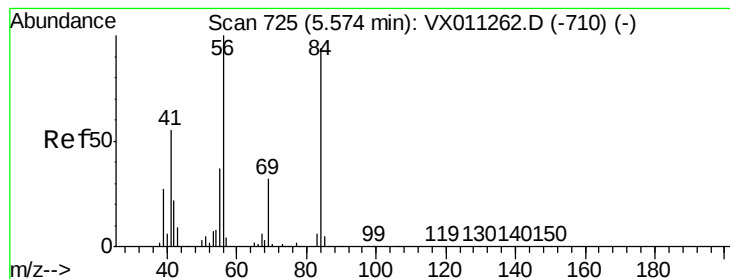
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#30
Chloroform
Concen: 47.465 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	53.4	80.0





#31

Cyclohexane

Concen: 45.560 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

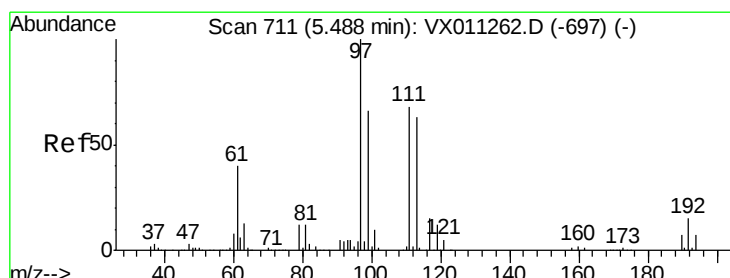
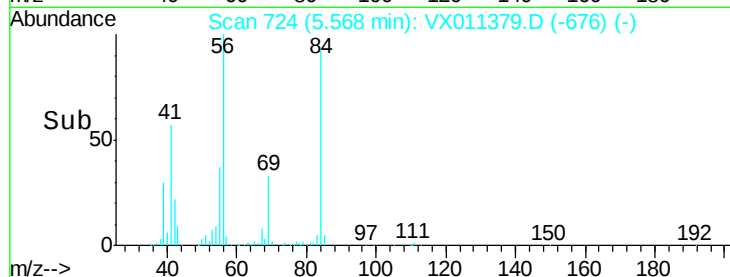
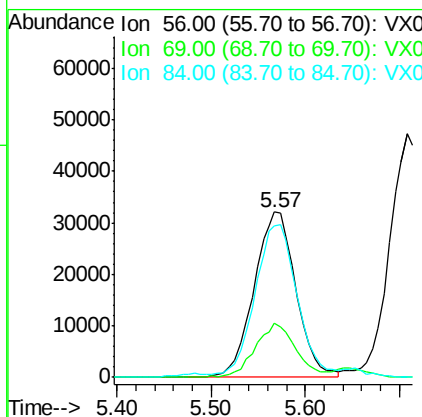
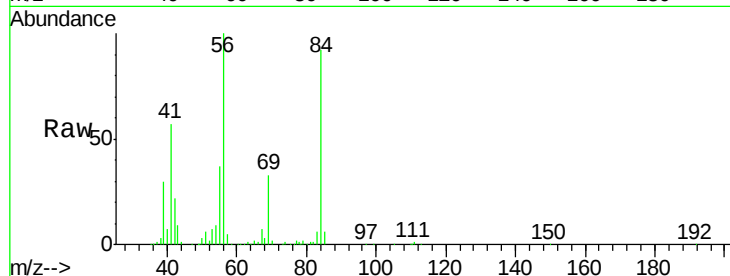
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	99503
Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.5	38.3
84	89.9	75.0	112.4

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#32

1,1,1-Trichloroethane

Concen: 48.440 ug/l

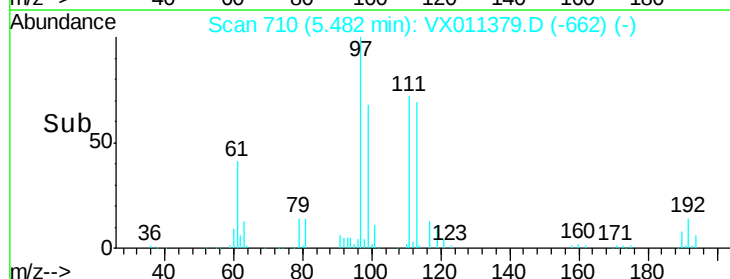
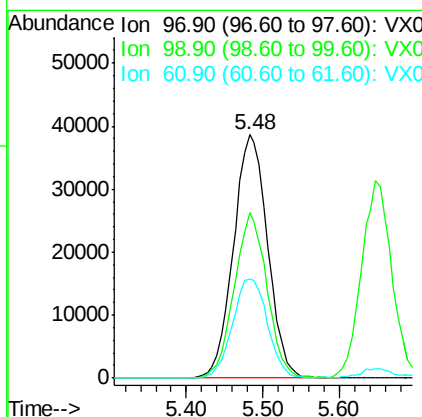
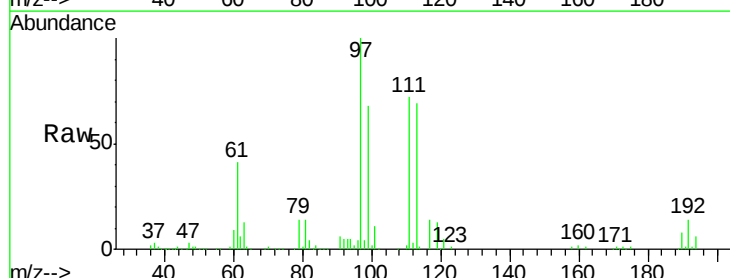
RT: 5.48 min Scan# 710

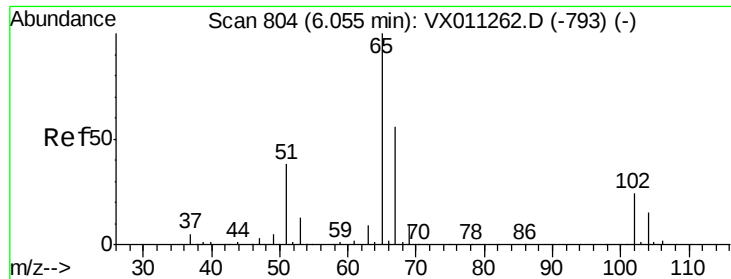
Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Tgt Ion:	97	Resp:	119389
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	41.9	32.3	48.5





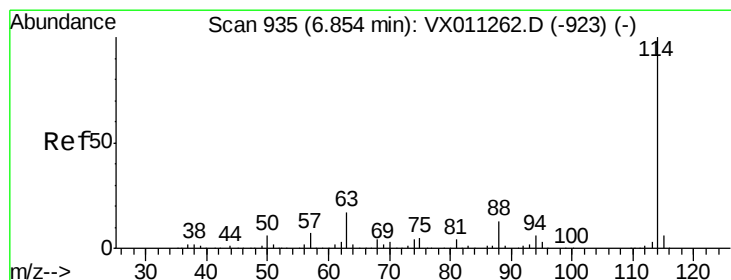
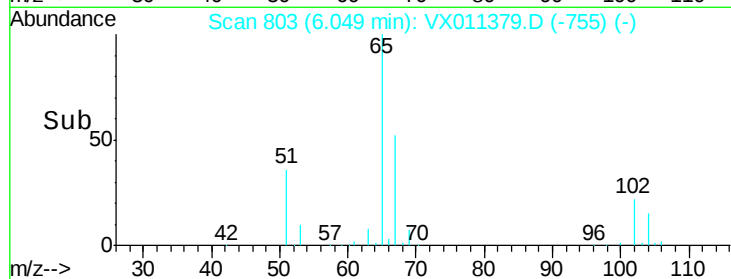
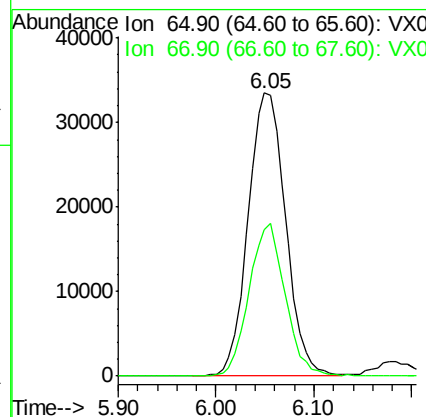
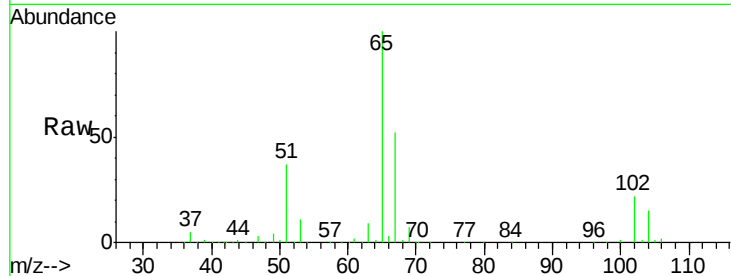
#33
 1,2-Dichloroethane-d4
 Concen: 52.790 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011379.D
 Acq: 08 Aug 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	89527		
67	51.8	0.0	110.6	

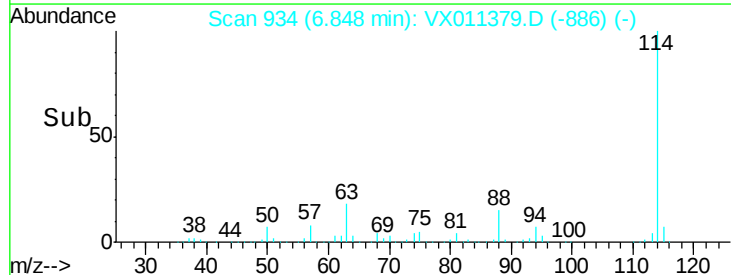
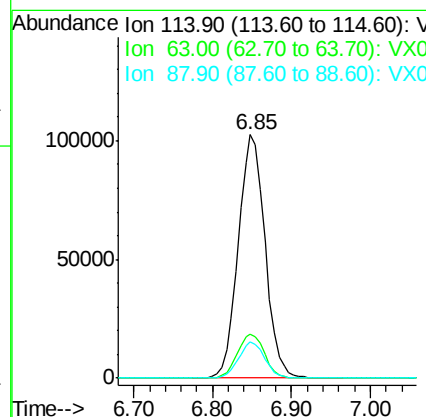
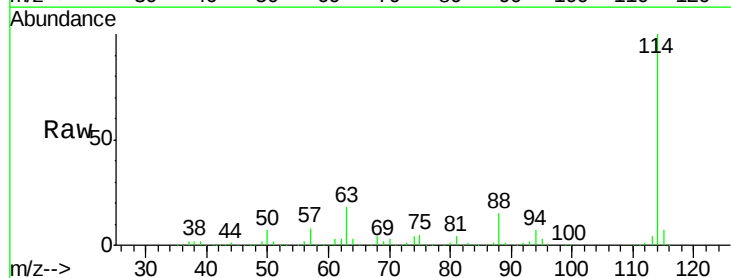
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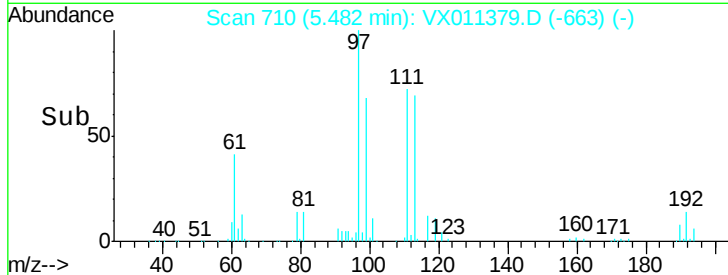
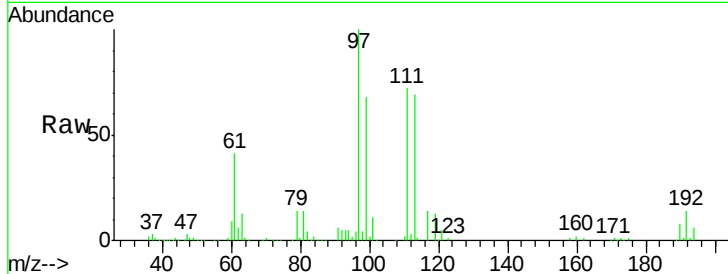
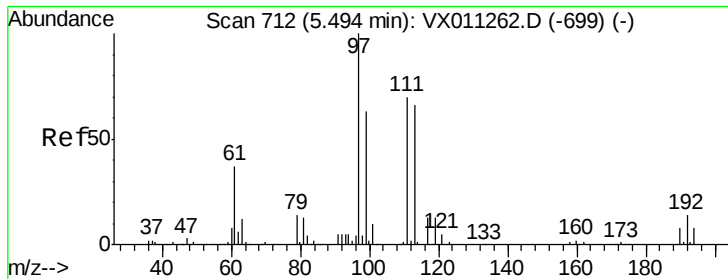
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011379.D
 Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	242020		
63	18.1	0.0	34.0	
88	14.9	0.0	26.4	





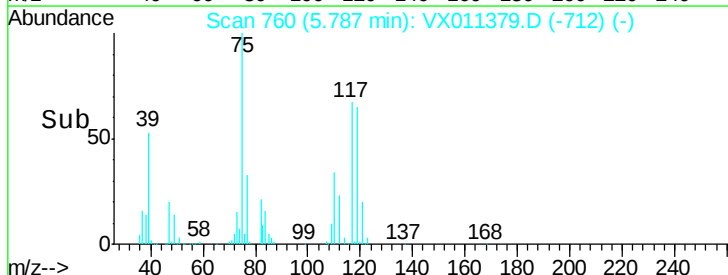
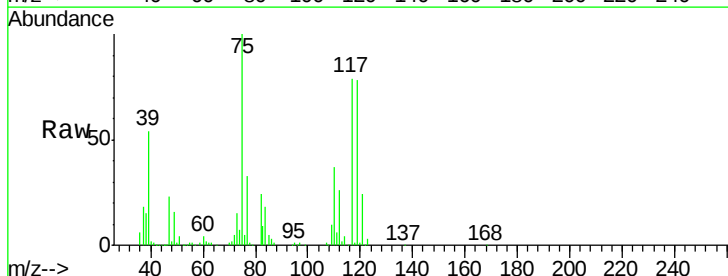
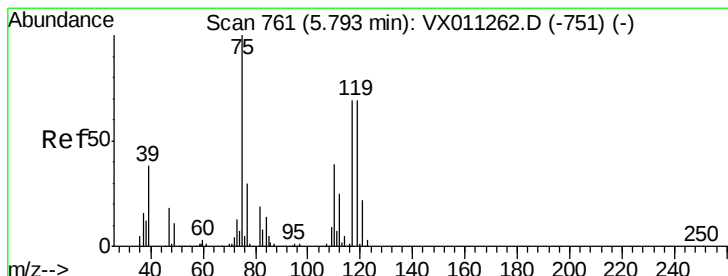
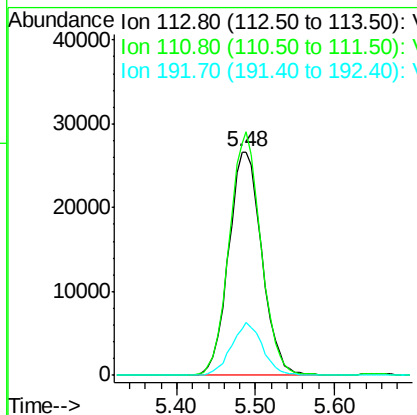
#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.48 min Scan# 710
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tot Ion	Ratio	Resp	Lower	Upper
113	100	77896		
111	103.9	81.9	122.9	
192	22.3	17.8	26.8	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

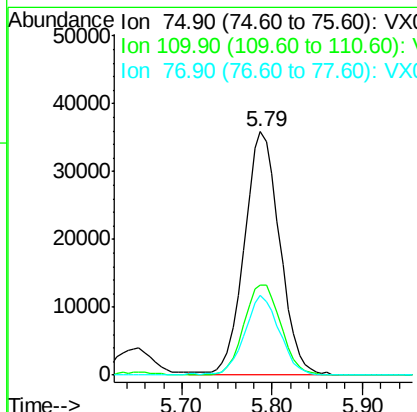
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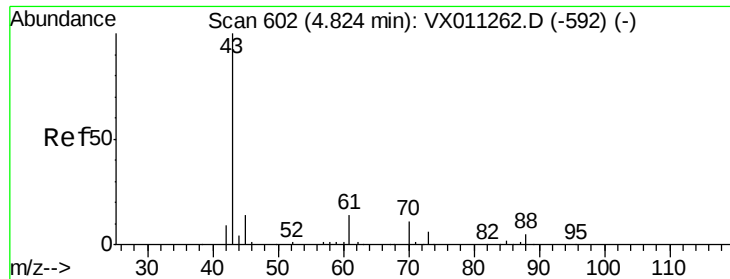
MMDadoda
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#36
1,1-Dichloropropene
Concen: 45.756 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	96686		
110	38.9	20.0	59.9	
77	32.1	24.8	37.2	





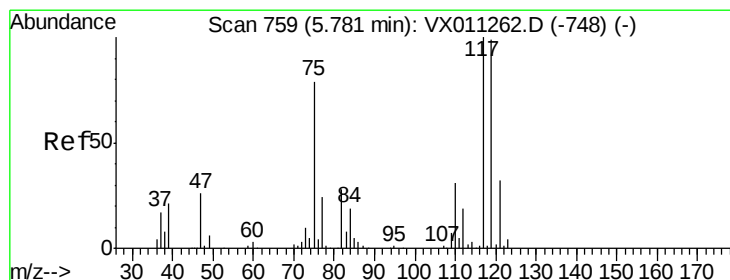
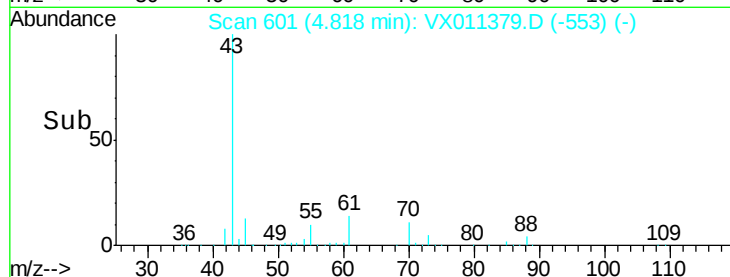
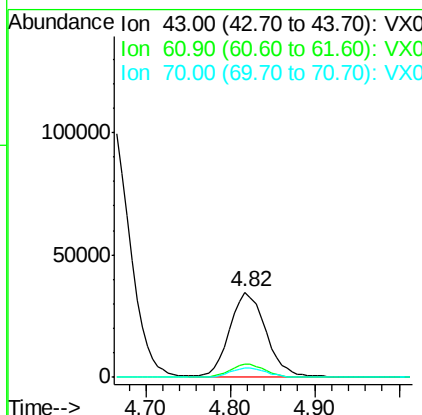
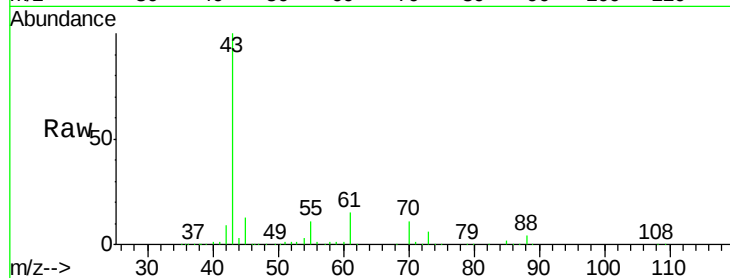
#37
Ethyl Acetate
Concen: 47.561 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:	43	Resp:	100809
Ion Ratio	Lower	Upper	
43	100		
61	15.3	12.6	18.8
70	11.3	9.1	13.7

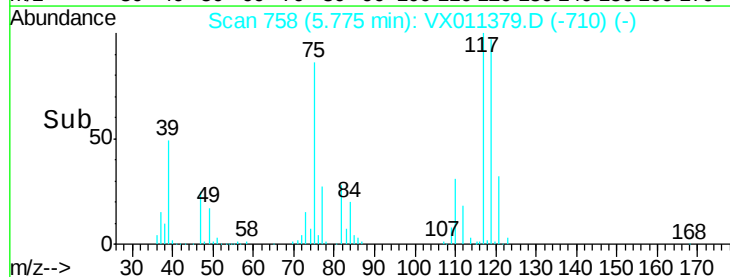
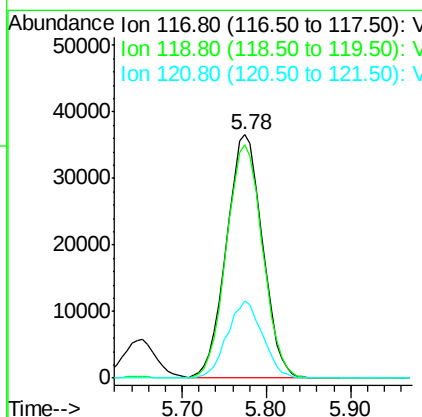
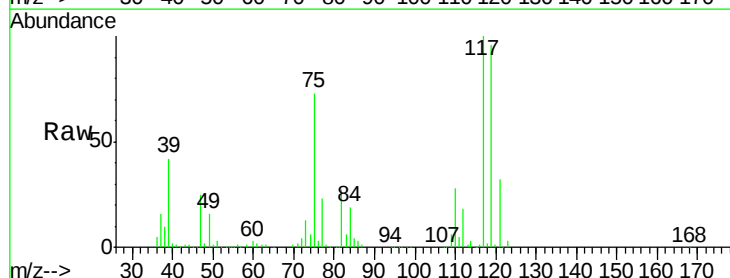
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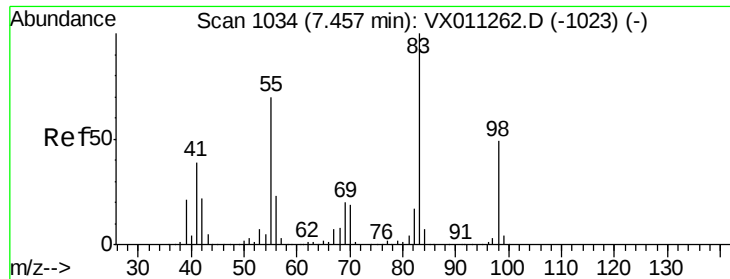
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#38
Carbon Tetrachloride
Concen: 50.048 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion:	117	Resp:	106396
Ion Ratio	Lower	Upper	
117	100		
119	95.8	79.0	118.4
121	31.9	25.9	38.9





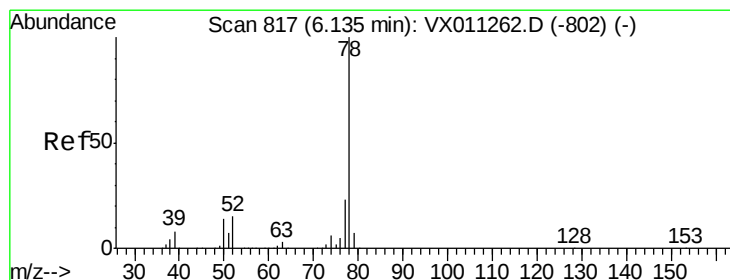
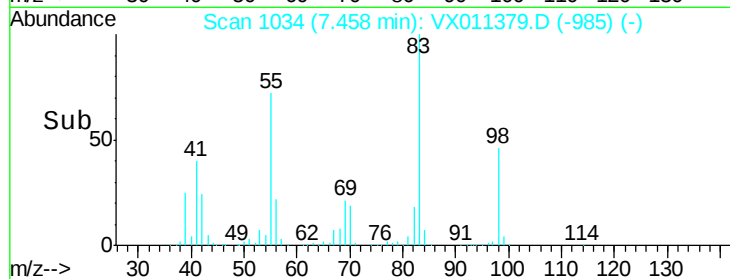
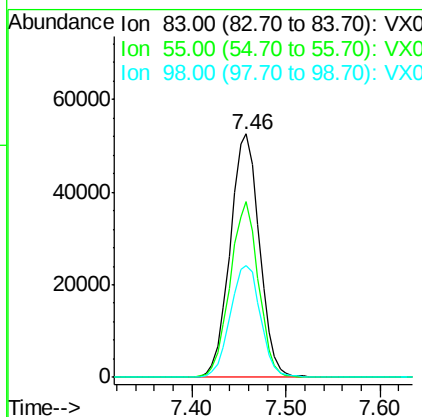
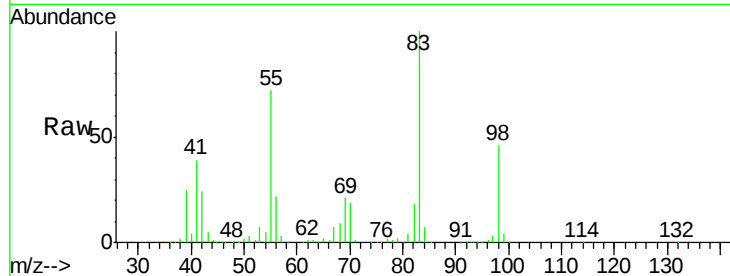
#39
Methvlcvclohexane
Concen: 45.367 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.1	56.1	84.1	
98	46.2	39.0	58.4	

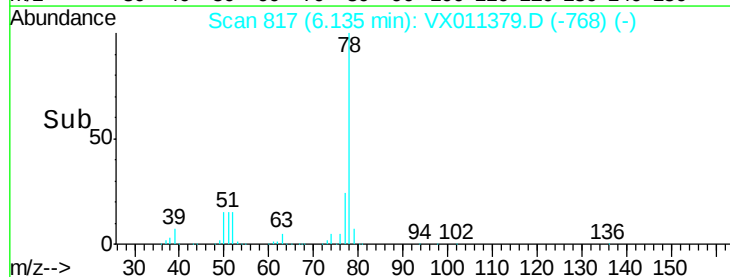
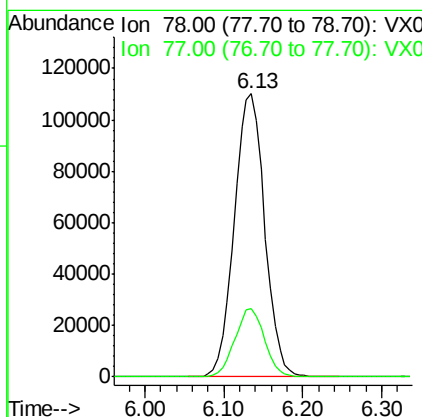
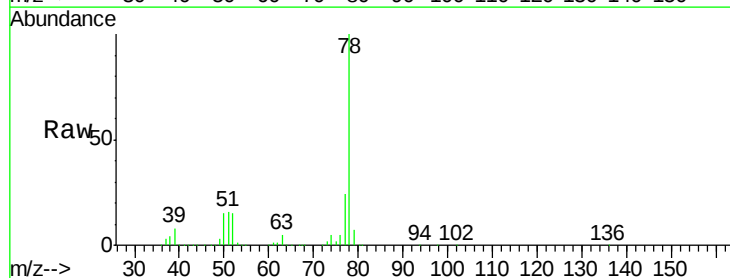
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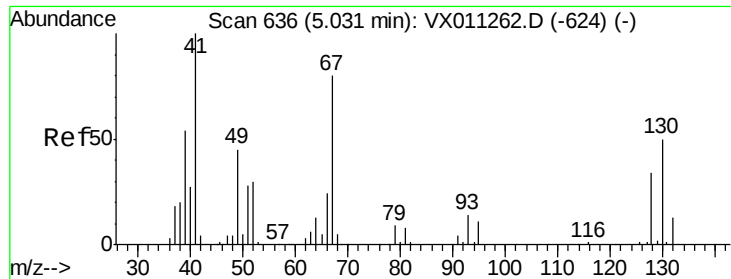
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#40
Benzene
Concen: 46.728 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	18.2	27.2	





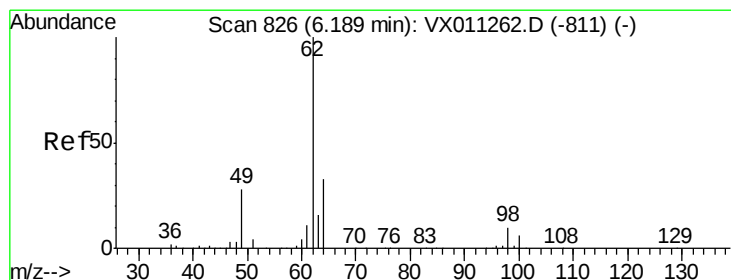
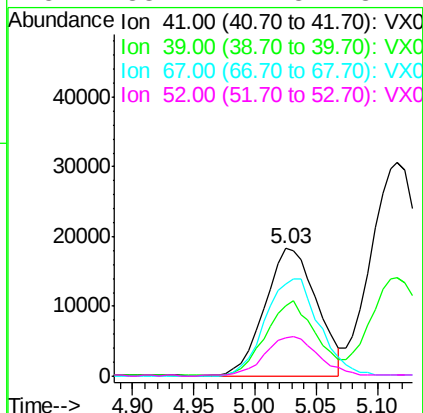
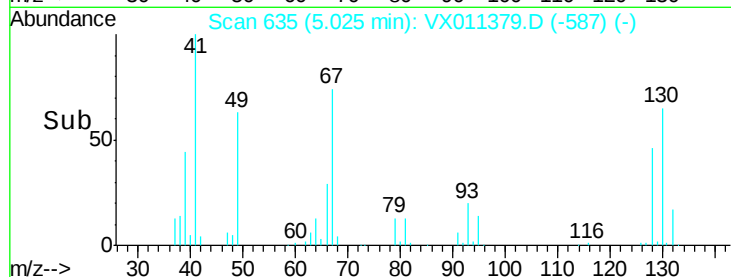
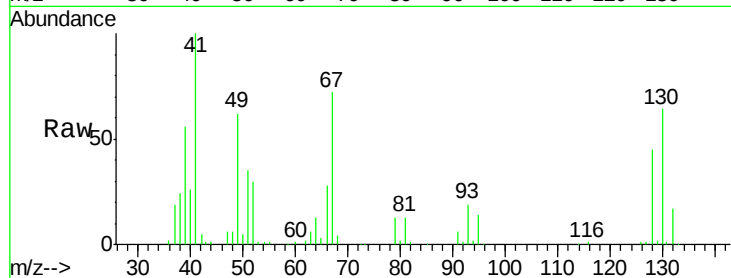
#41
Methacrylonitrile
Concen: 46.738 ug/l
RT: 5.03 min Scan# 635
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.8	43.0	64.6	
67	80.6	65.1	97.7	
52	33.1	24.8	37.2	

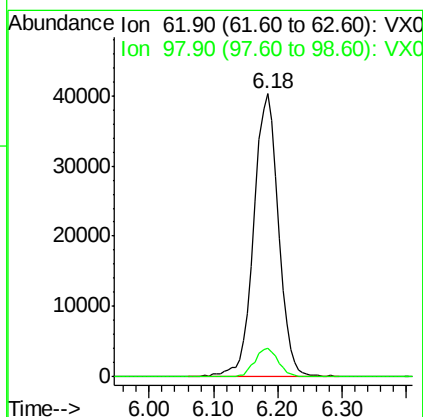
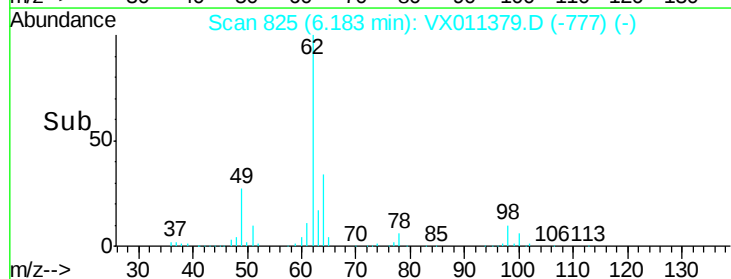
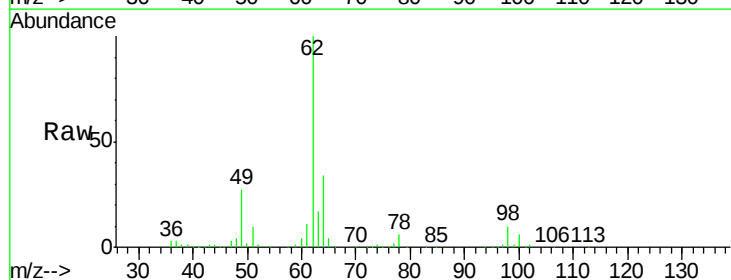
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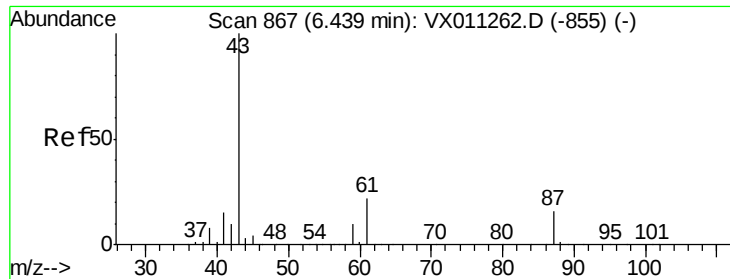
MMDadoda
8/9/2019 11:07:53 AM



#42
1,2-Dichloroethane
Concen: 49.662 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.6	





#43

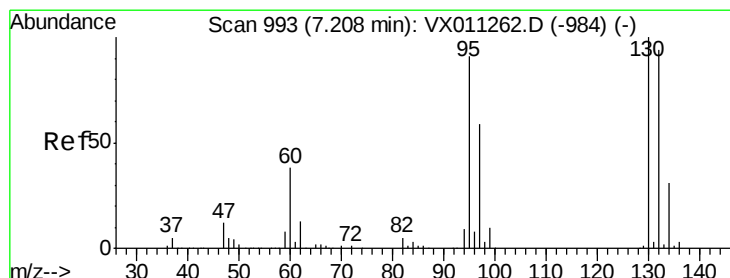
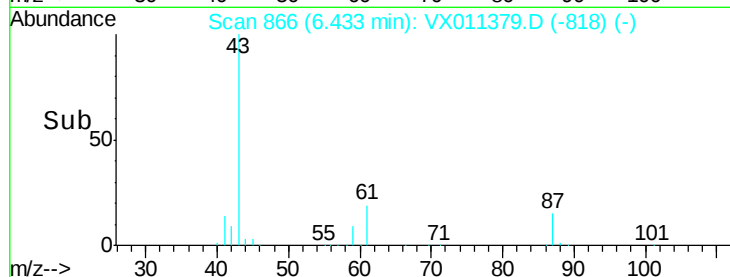
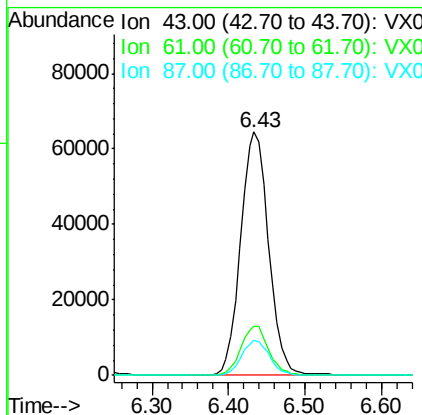
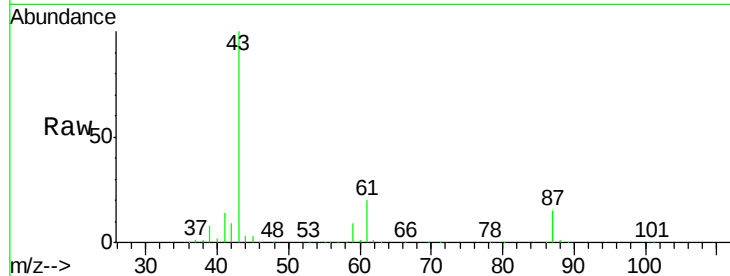
Isopropyl Acetate
 Concen: 48.138 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011379.D
 Acq: 08 Aug 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.5	24.7
87	14.5	12.1	18.1

Manual Integrations
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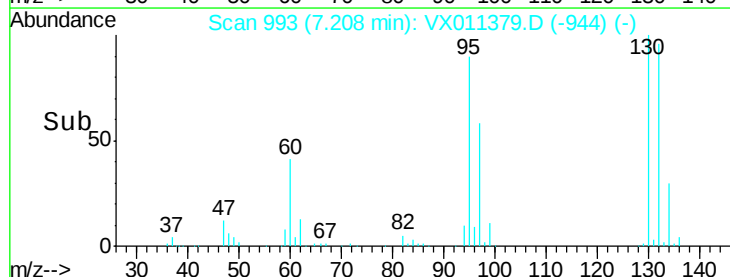
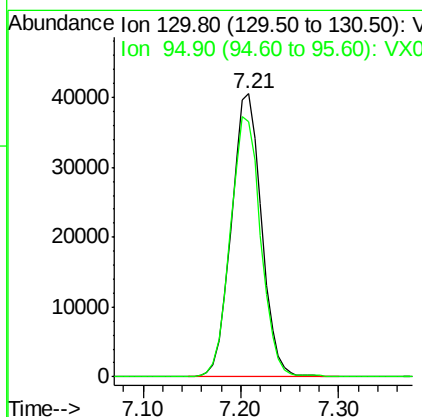
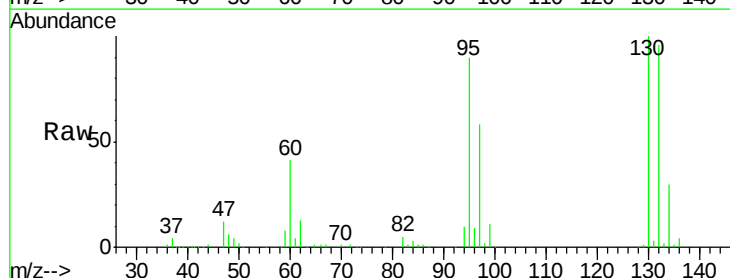
MMDadoda
 8/9/2019 11:07:53 AM

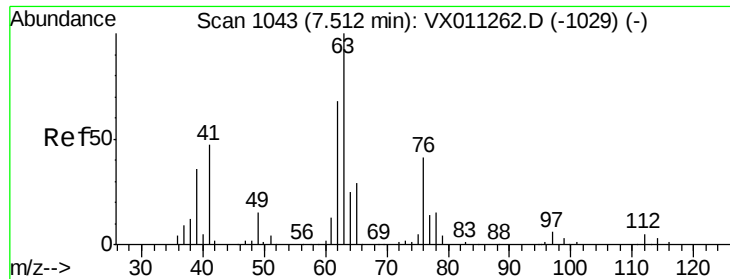


#44

Trichloroethene
 Concen: 45.399 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011379.D
 Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	182.6





#45

1,2-Dichloropropane

Concen: 46.069 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 75231

Ion Ratio Lower Upper

63 100

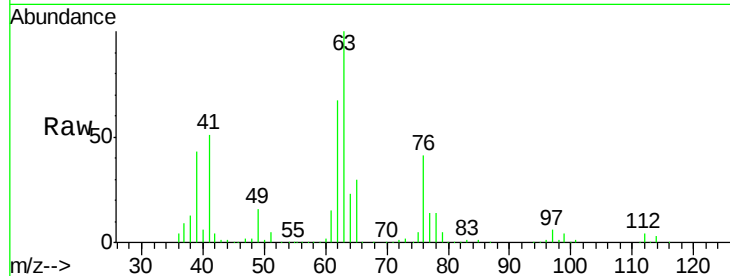
65 30.4 23.3 34.9

Manual Integrations

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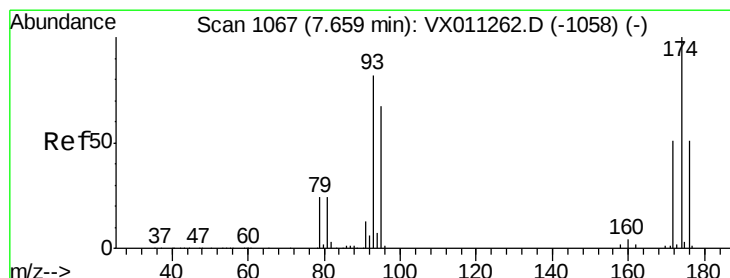
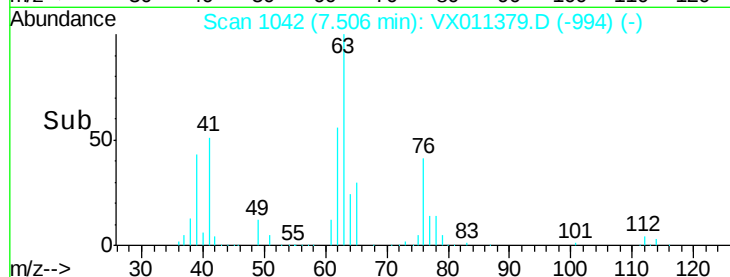
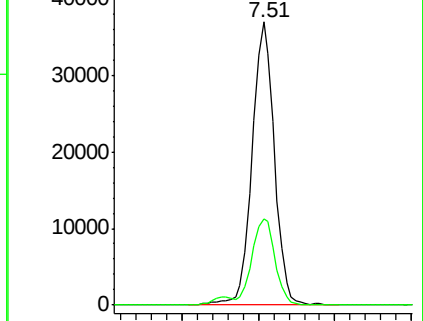
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 45.728 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

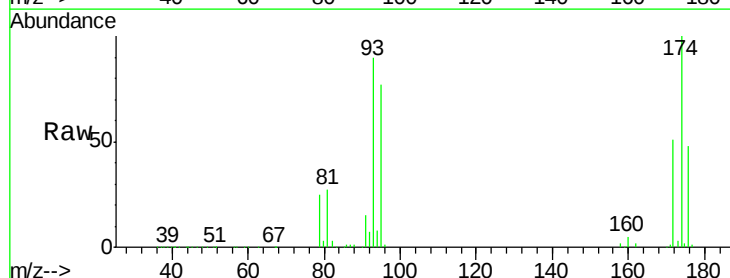
Tgt Ion: 93 Resp: 54514

Ion Ratio Lower Upper

93 100

95 84.8 66.4 99.6

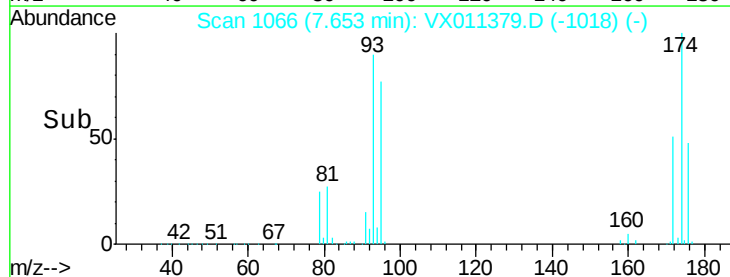
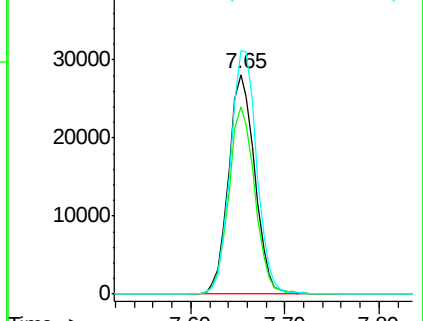
174 111.8 93.4 140.2

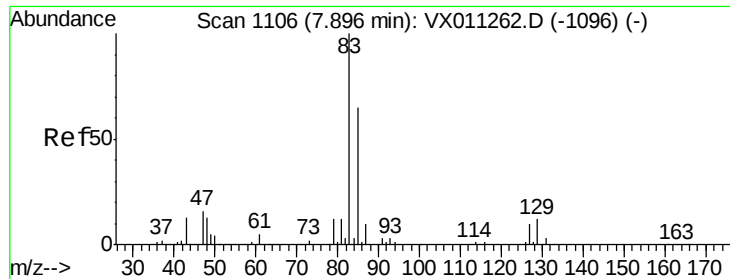


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.480 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

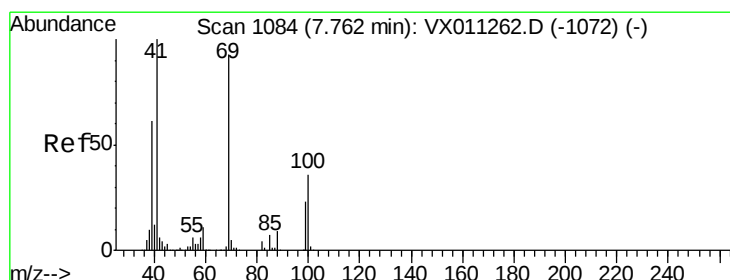
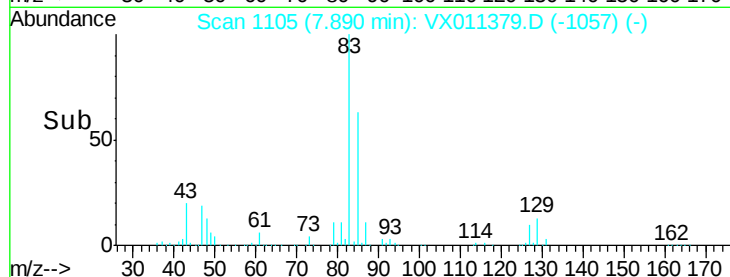
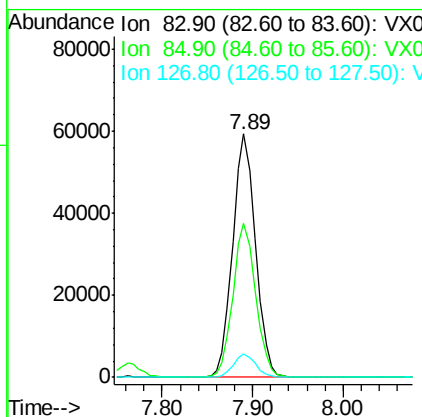
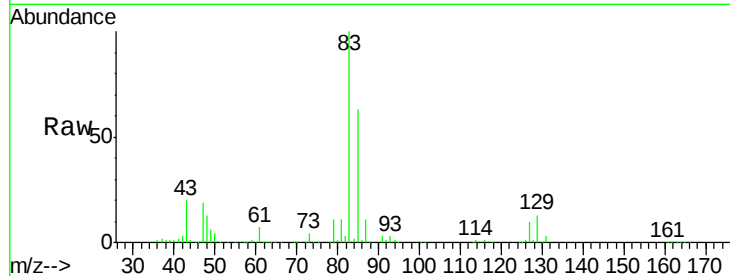
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	103906
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.2	78.2
127	9.8	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.713 ug/l

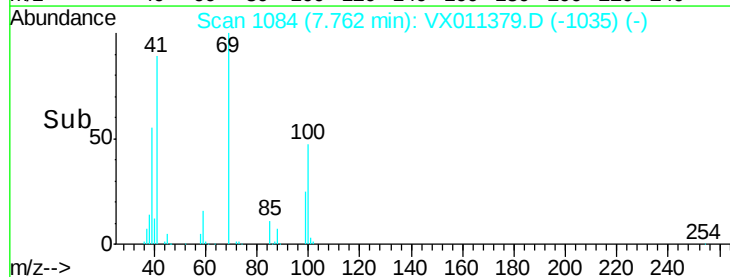
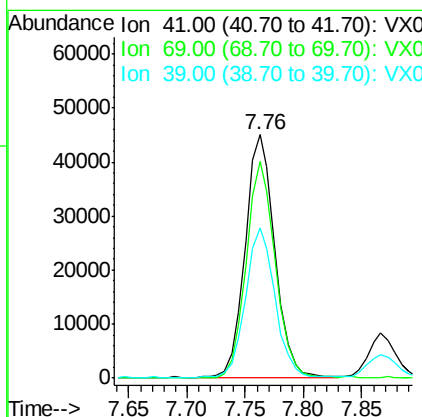
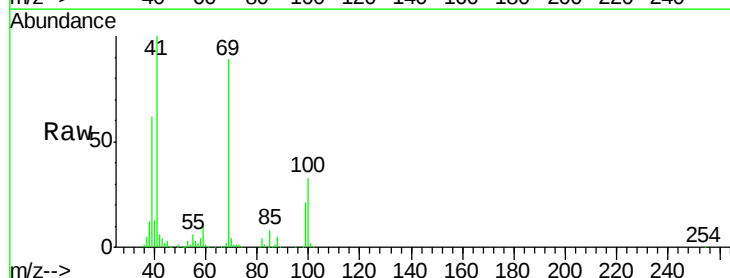
RT: 7.76 min Scan# 1084

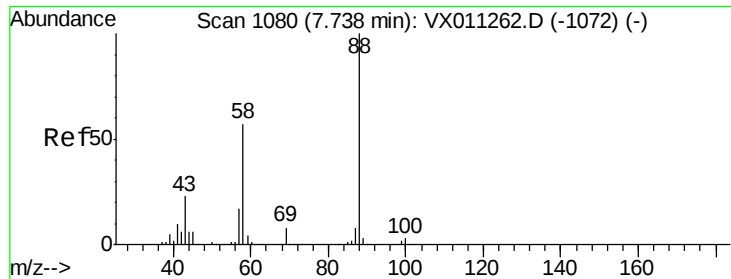
Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Tgt Ion:	41	Resp:	79281
Ion Ratio	Lower	Upper	
41	100		
69	88.4	74.5	111.7
39	62.0	48.6	72.8





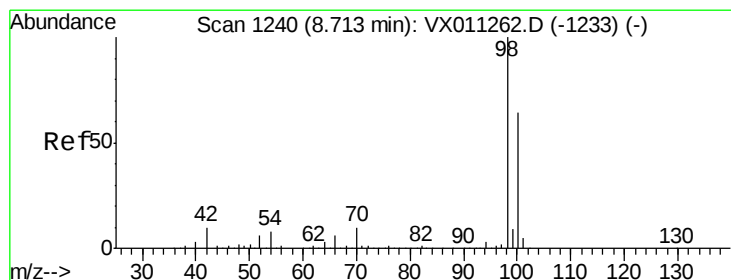
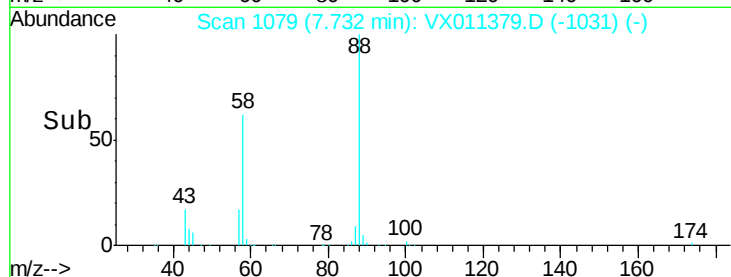
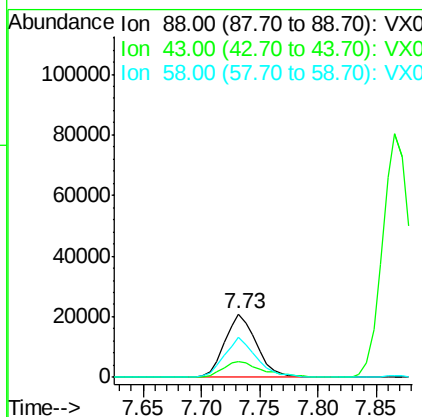
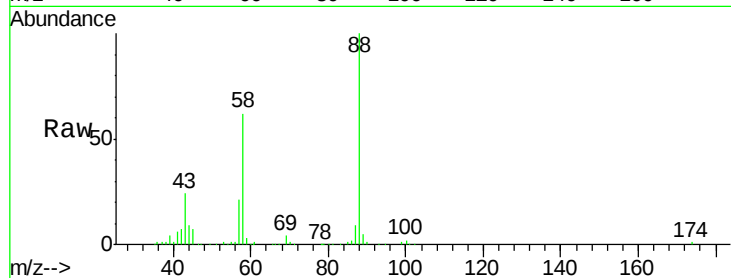
#49
1,4-Dioxane
Concen: 853.970 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	22.2	33.2
58	63.9	47.8	71.8

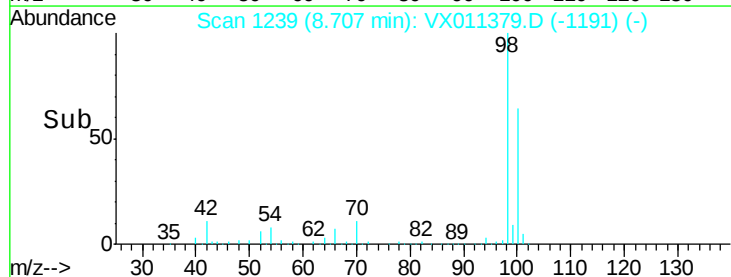
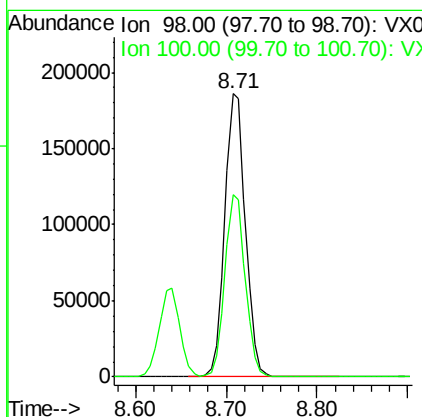
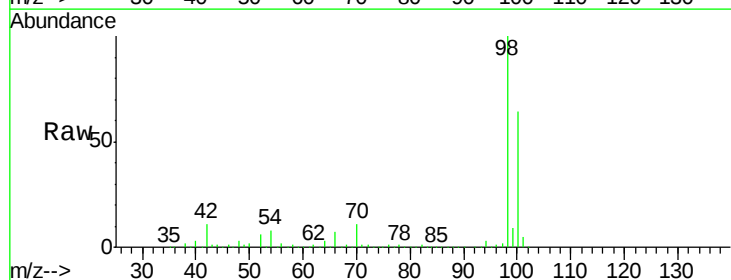
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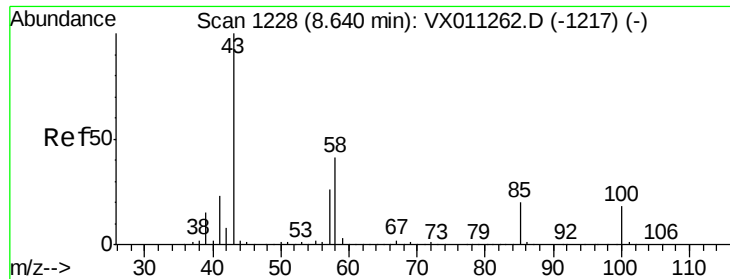
MMDadoda
8/9/2019 11:07:53 AM



#50
Toluene-d8
Concen: 49.248 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.7	77.5





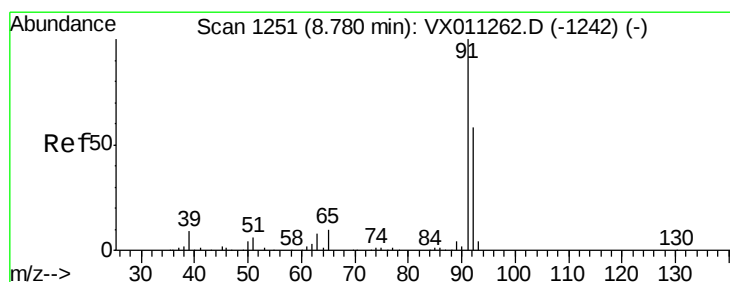
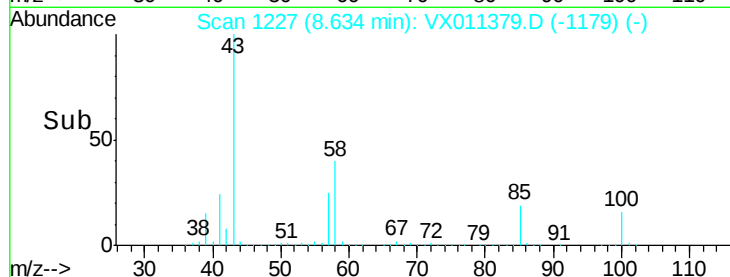
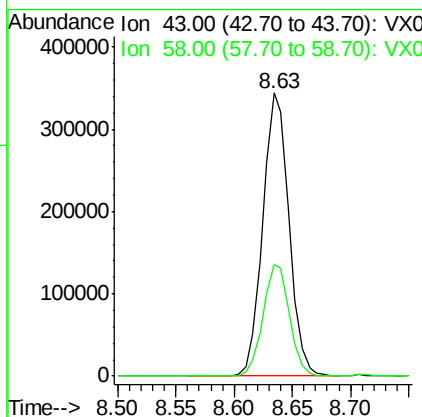
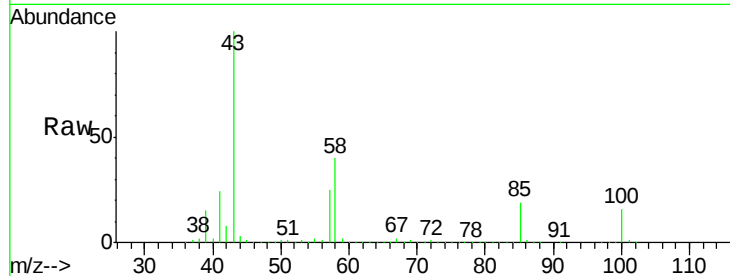
#51
4-Methyl-2-Pentanone
Concen: 246.507 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.3	48.5

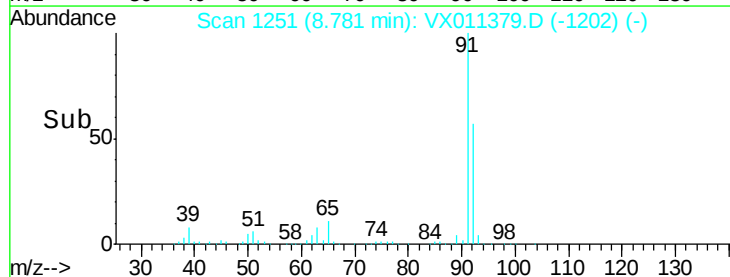
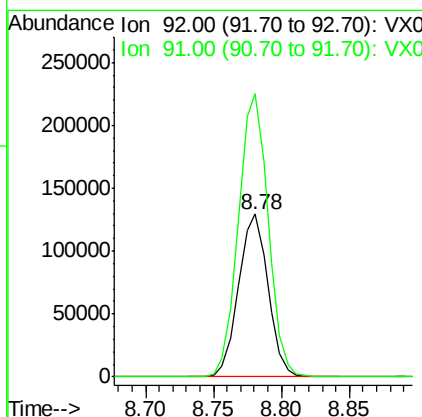
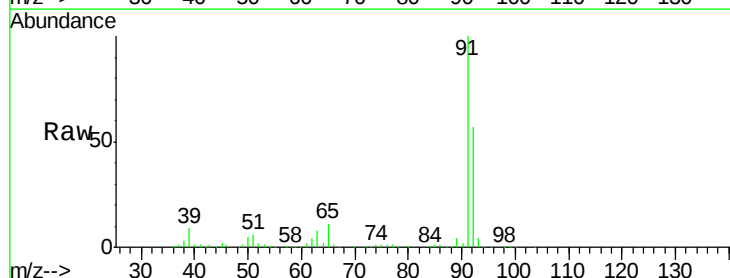
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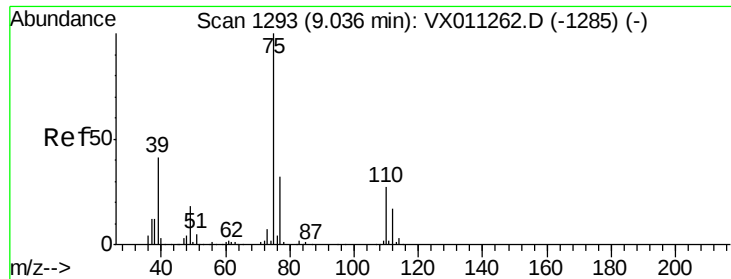
MMDadoda
8/9/2019 11:07:53 AM



#52
Toluene
Concen: 47.066 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.4	139.4	209.0





#53

t-1,3-Dichloropropene

Concen: 47.197 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 110544

Ion Ratio Lower Upper

75 100

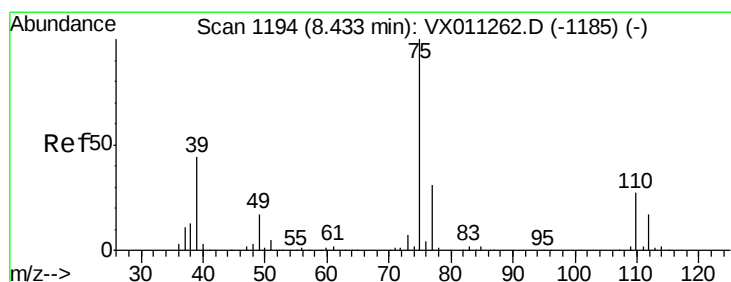
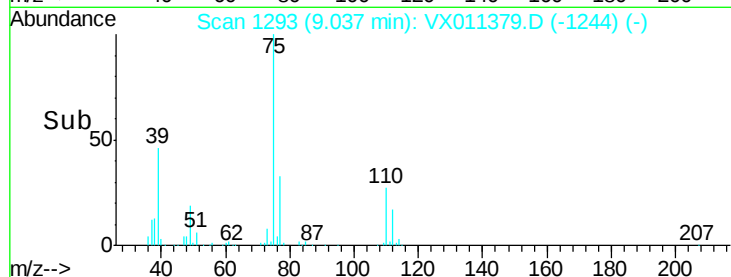
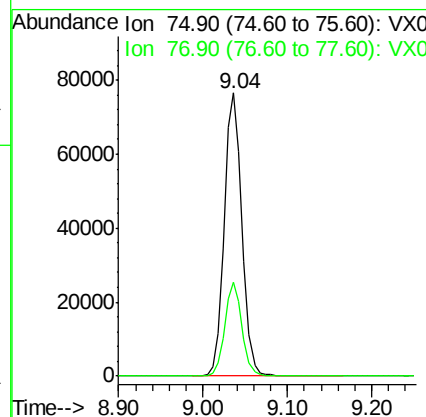
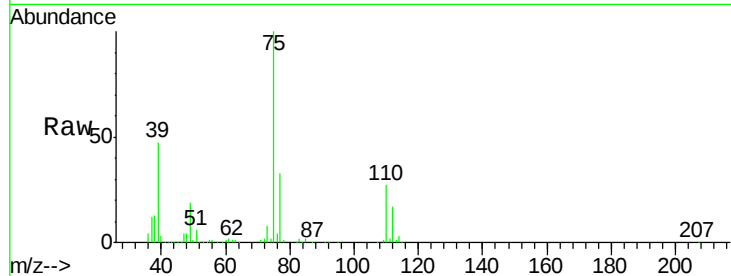
77 33.1 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 51.046 ug/l

RT: 8.43 min Scan# 1193

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

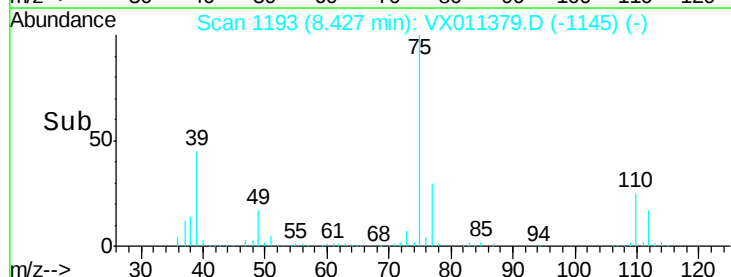
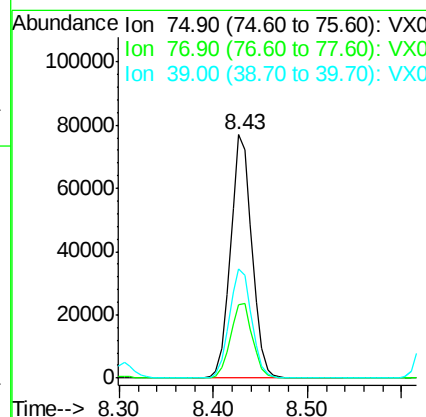
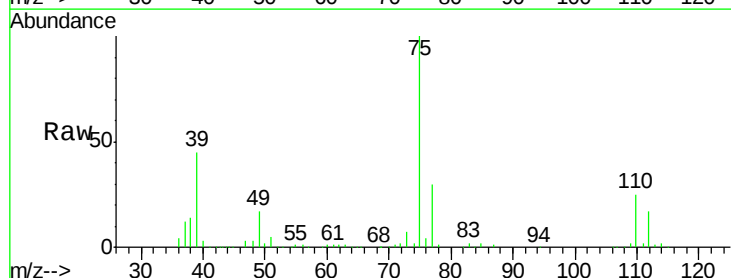
Tgt Ion: 75 Resp: 120351

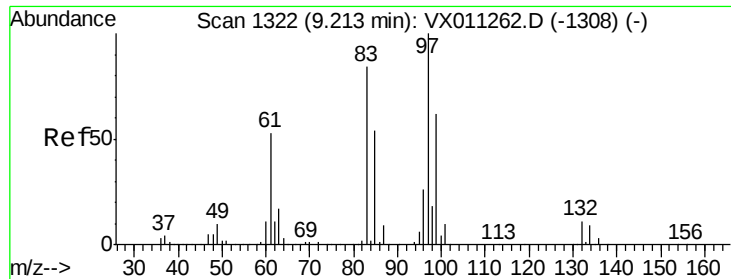
Ion Ratio Lower Upper

75 100

77 30.2 25.0 37.6

39 44.7 35.3 52.9





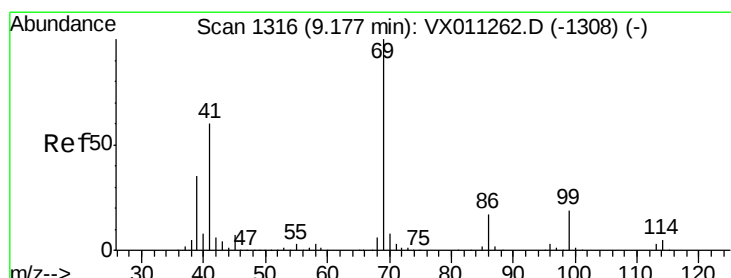
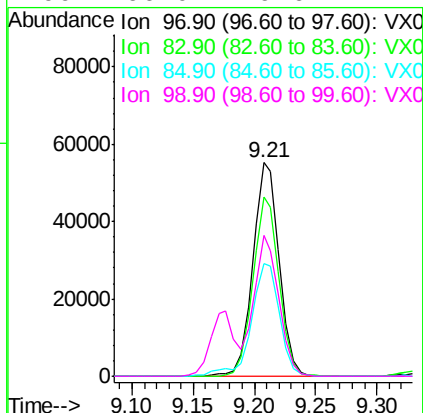
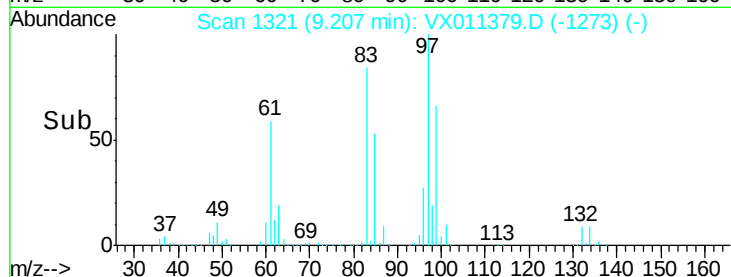
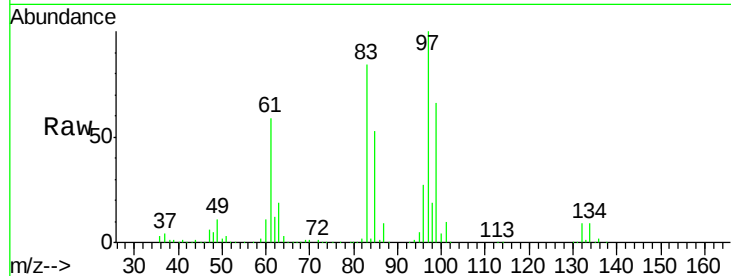
#55
 1,1,2-Trichloroethane
 Concen: 48.214 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX011379.D
 Acq: 08 Aug 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	82644
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.6	101.4
85	52.5	43.4	65.0
99	66.0	49.6	74.4

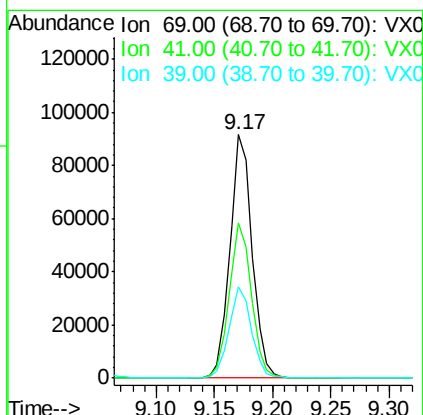
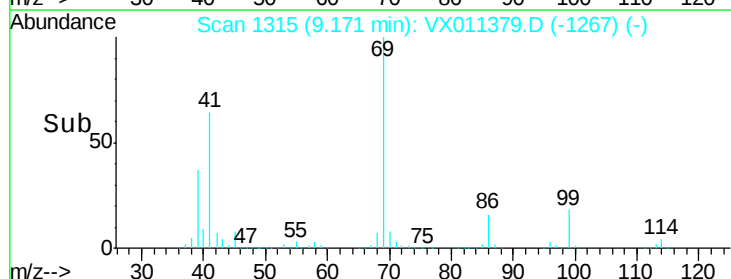
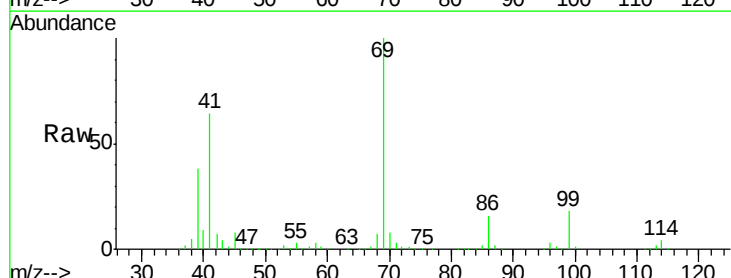
Manual Integrations
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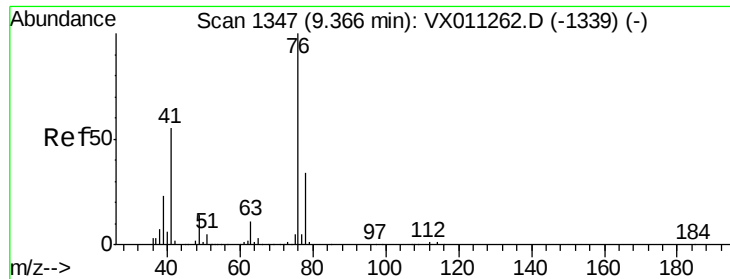
MMDadoda
 8/9/2019 11:07:53 AM



#56
 Ethyl methacrylate
 Concen: 49.954 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011379.D
 Acq: 08 Aug 2019 09:45

Tgt Ion:	69	Resp:	122023
Ion	Ratio	Lower	Upper
69	100		
41	63.4	48.6	73.0
39	37.7	29.4	44.2





#57

1,3-Dichloropropane

Concen: 47.775 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 129513

Ion Ratio Lower Upper

76 100

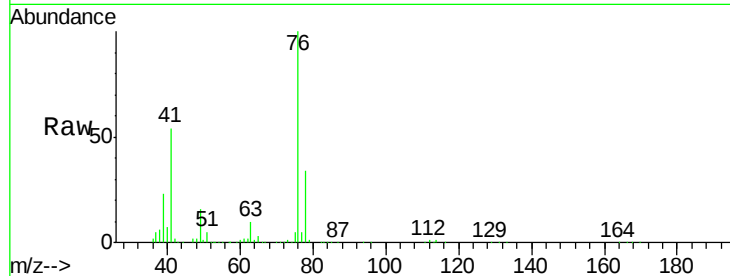
78 32.8 26.6 40.0

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

100000

80000

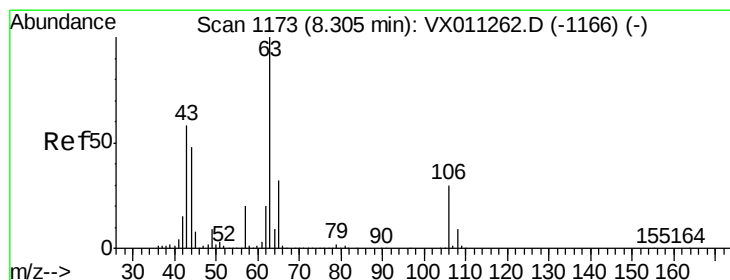
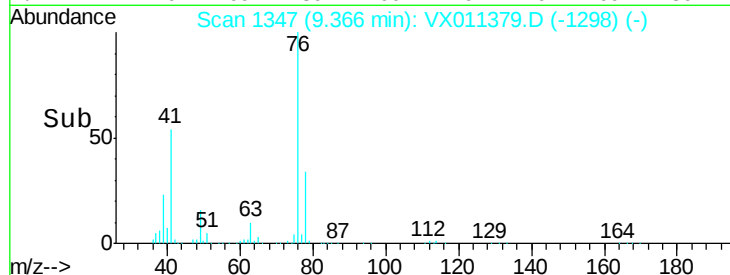
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 266.524 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011379.D

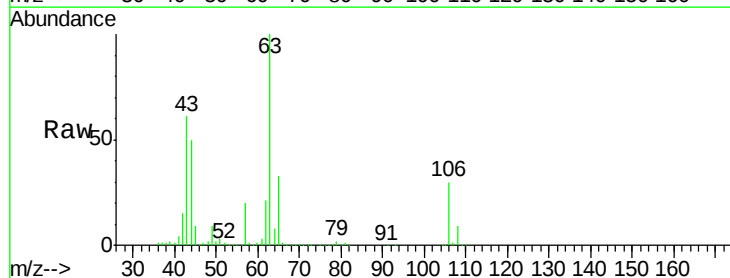
Acq: 08 Aug 2019 09:45

Tgt Ion: 63 Resp: 320112

Ion Ratio Lower Upper

63 100

106 30.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

250000

200000

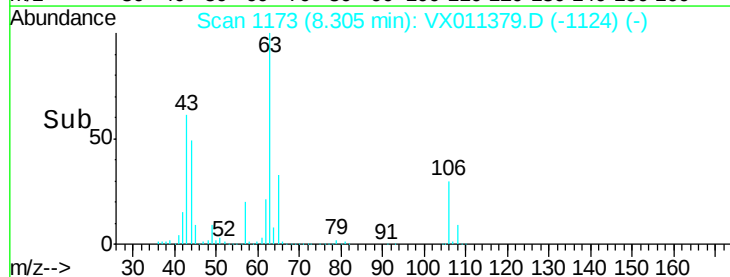
150000

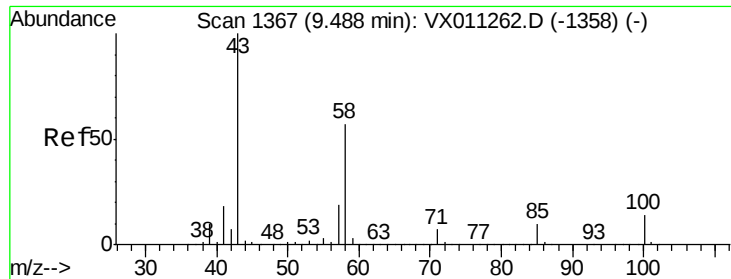
100000

50000

0

Time-->





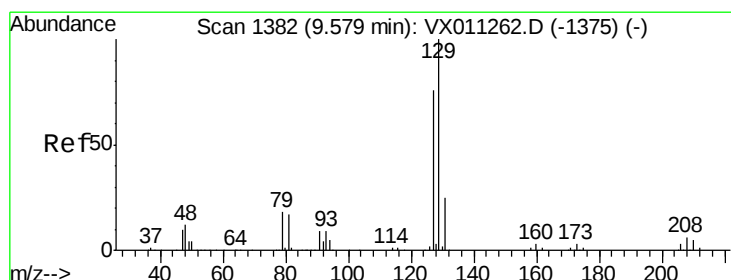
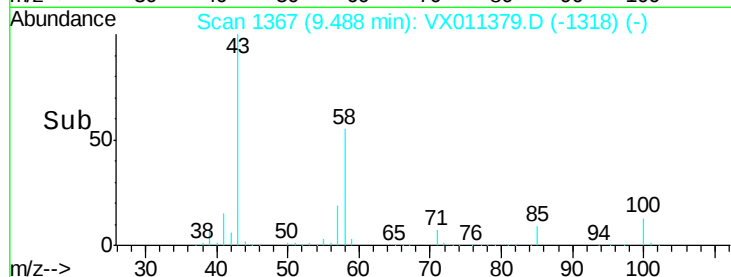
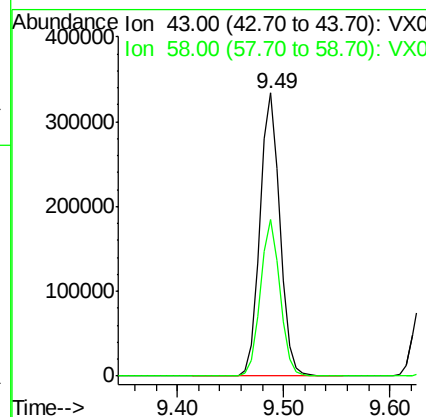
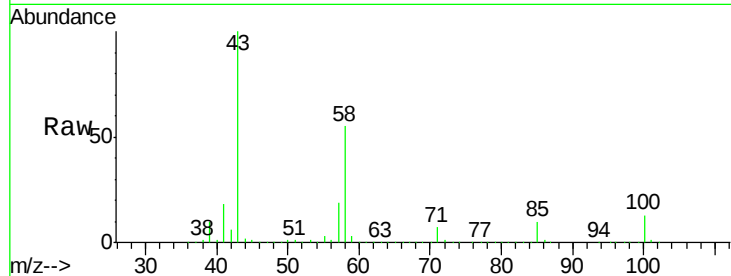
#59
2-Hexanone
Concen: 258.973 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 438679
Ion Ratio Lower Upper
43 100
58 54.6 28.2 84.6

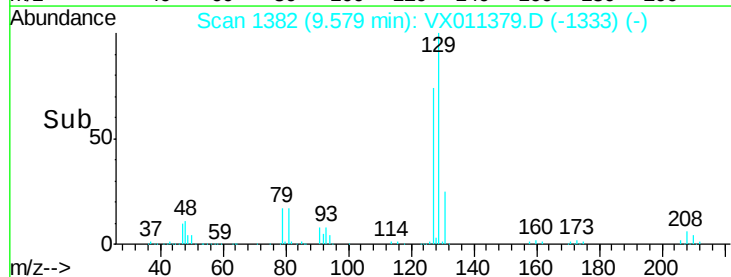
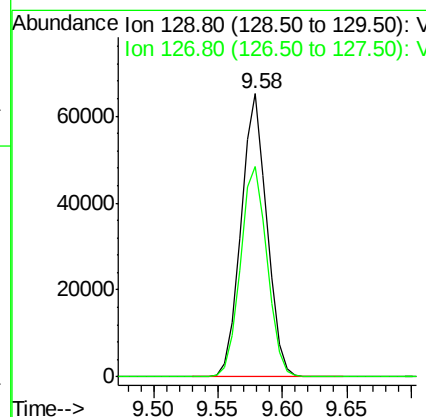
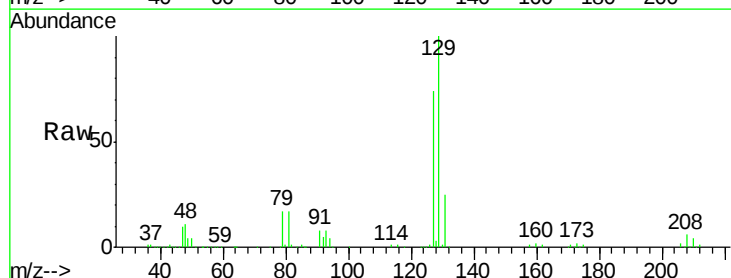
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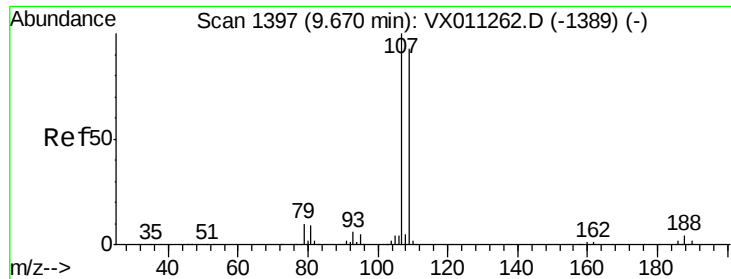
MMDadoda
8/9/2019 11:07:53 AM



#60
Dibromochloromethane
Concen: 51.509 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion: 129 Resp: 90395
Ion Ratio Lower Upper
129 100
127 76.6 39.2 117.6





#61

1,2-Dibromoethane

Concen: 47.711 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 88357

Ion Ratio Lower Upper

107 100

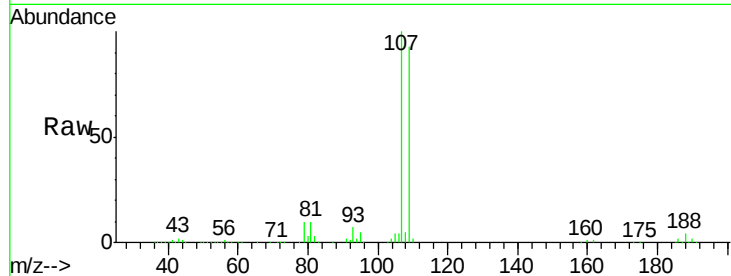
109 94.4 76.6 114.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

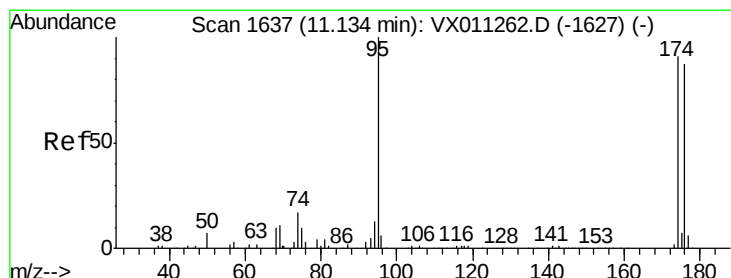
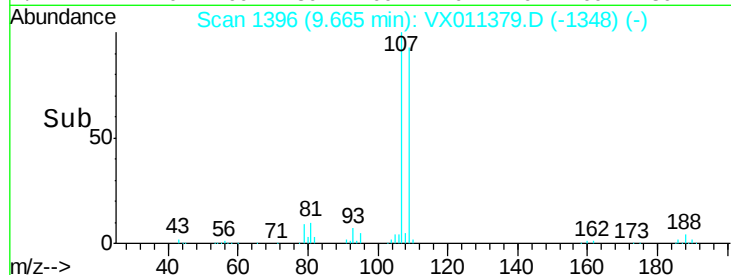
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.174 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

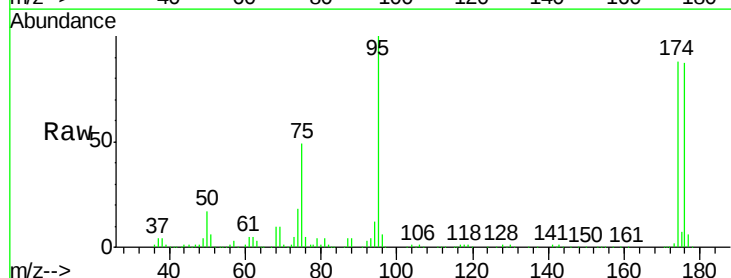
Tgt Ion: 95 Resp: 111101

Ion Ratio Lower Upper

95 100

174 90.7 0.0 191.2

176 88.1 0.0 184.8



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

120000

100000

80000

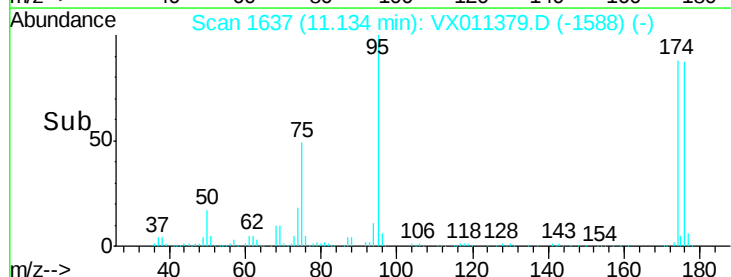
60000

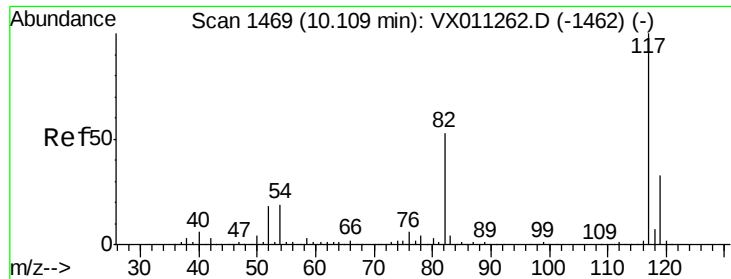
40000

20000

0

Time-->





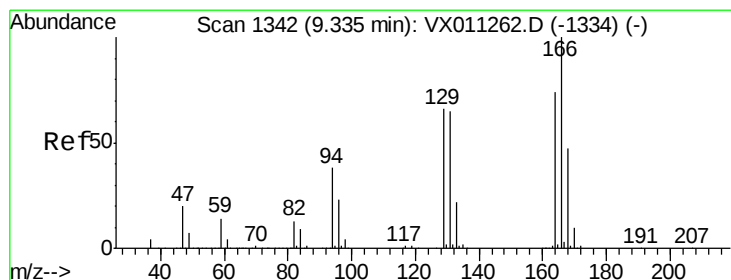
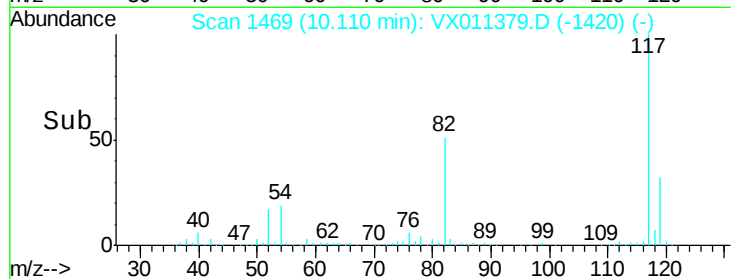
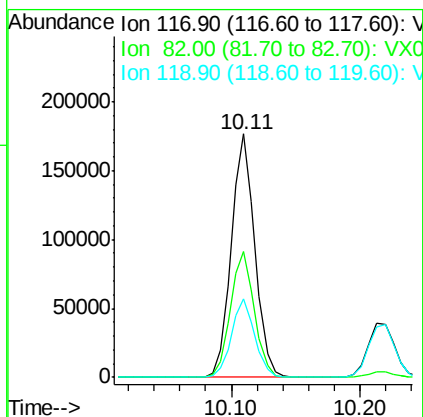
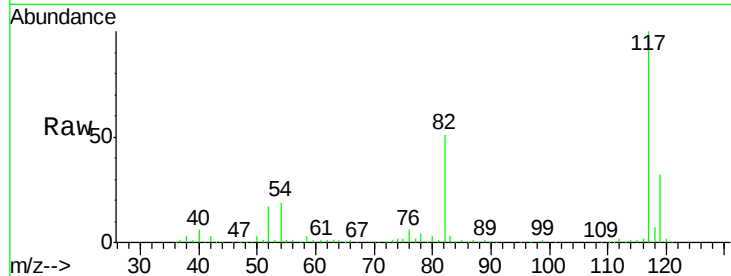
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.2	63.2
119	32.0	26.6	39.8

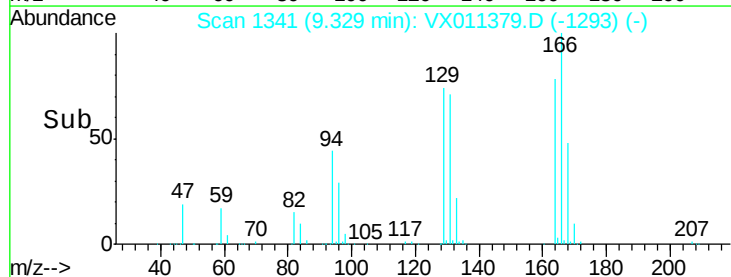
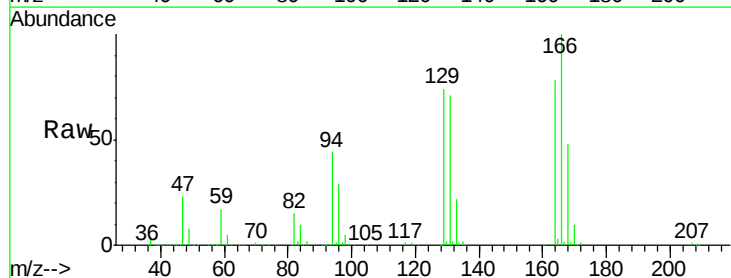
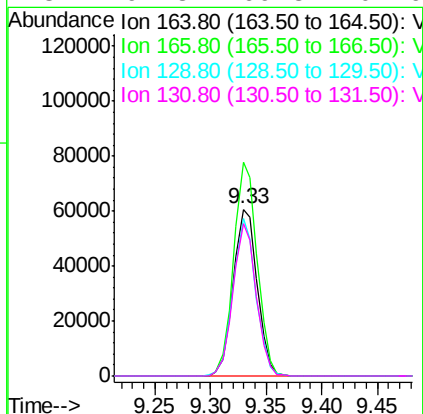
Manual Integrations
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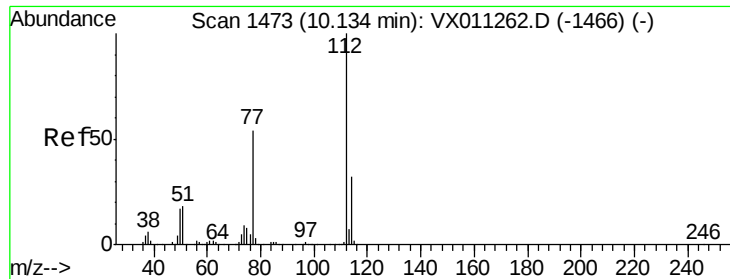
MMDadoda
8/9/2019 11:07:53 AM



#64
Tetrachloroethene
Concen: 47.219 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	107.5	161.3
129	94.6	71.0	106.4
131	91.3	69.8	104.6





#65

Chlorobenzene

Concen: 45.998 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 221995

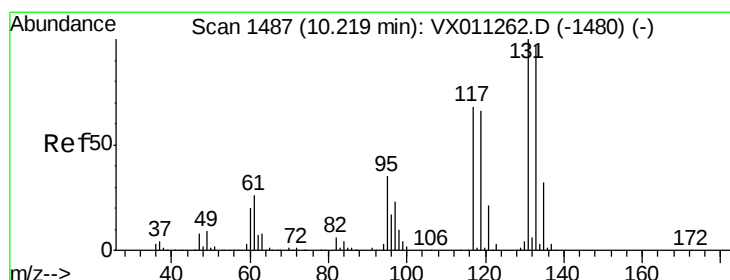
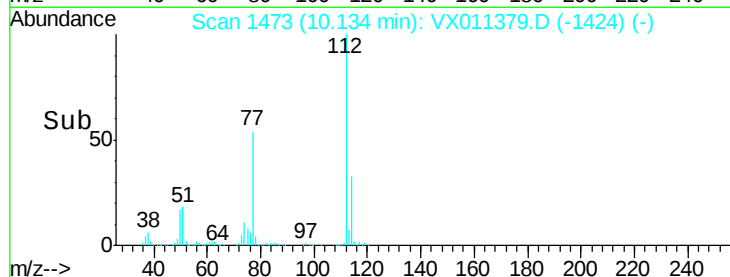
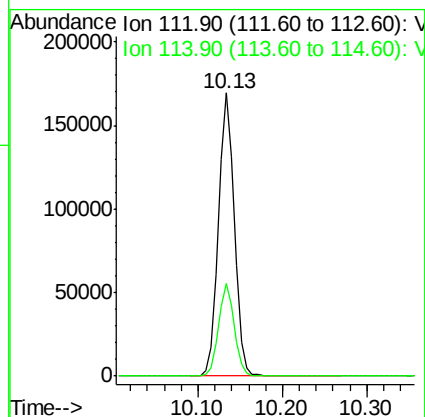
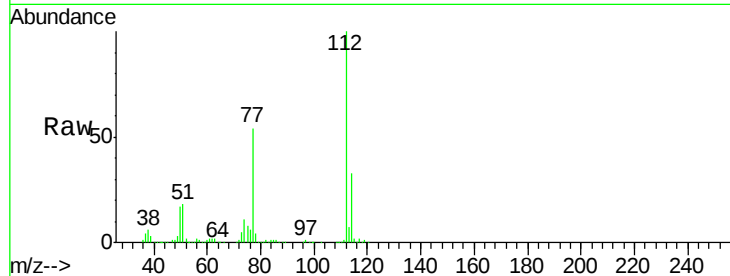
Ion Ratio Lower Upper

112 100

114 32.8 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 51.017 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

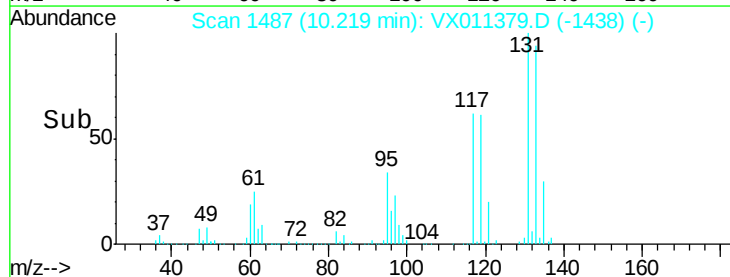
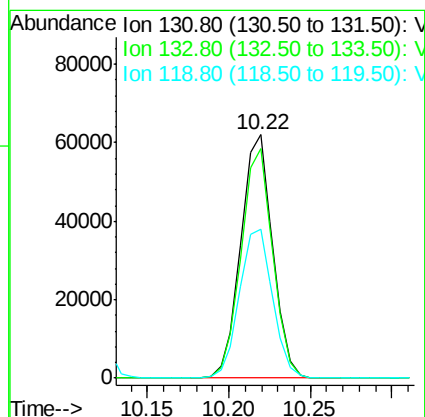
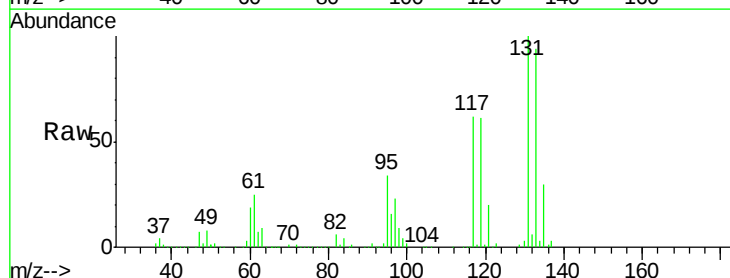
Tgt Ion:131 Resp: 84294

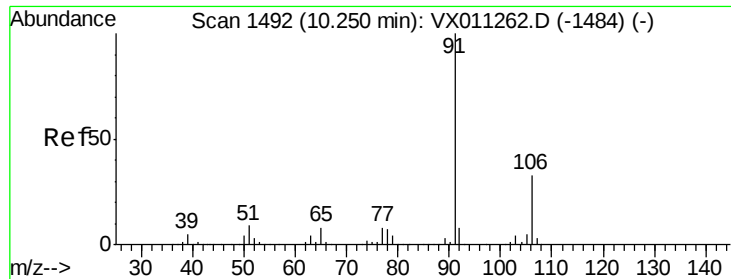
Ion Ratio Lower Upper

131 100

133 93.9 47.7 143.1

119 63.6 32.8 98.3





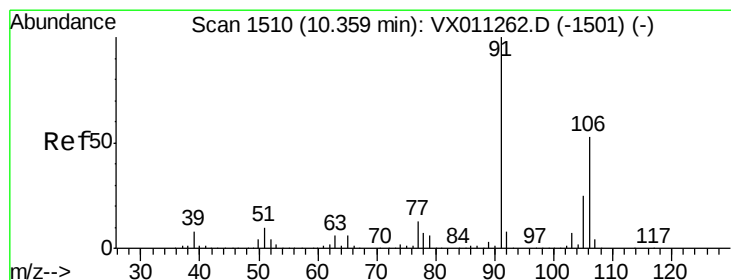
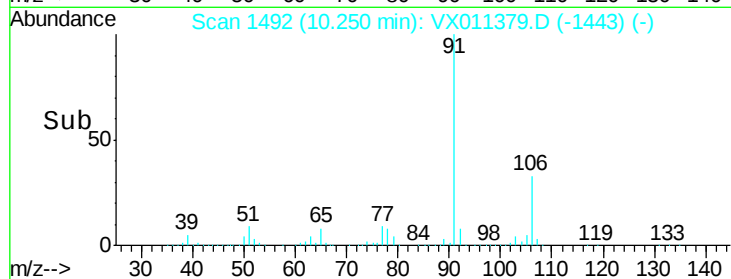
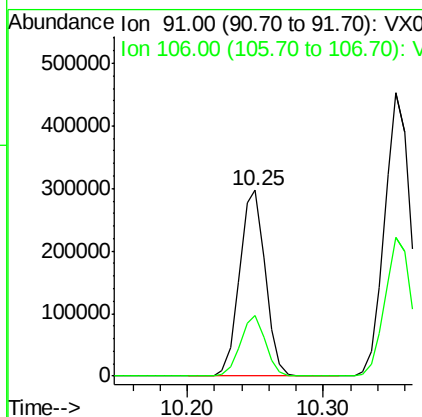
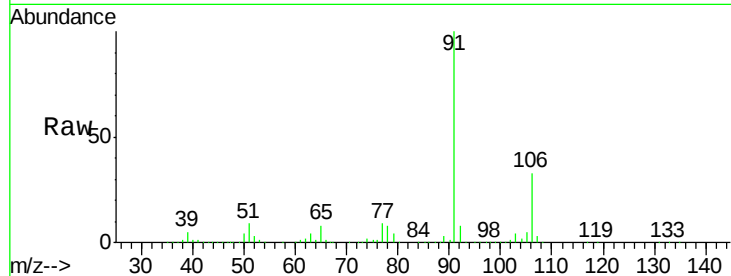
#67
Ethyl Benzene
Concen: 48.319 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 390548
Ion Ratio Lower Upper
91 100
106 32.6 26.2 39.4

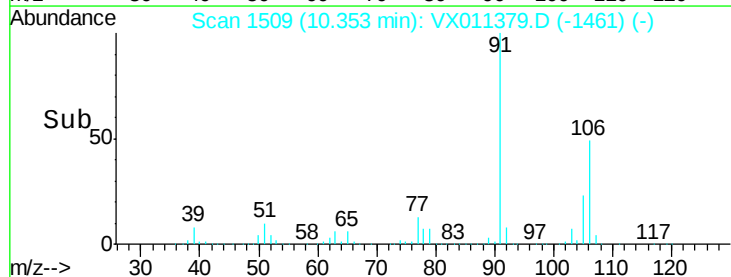
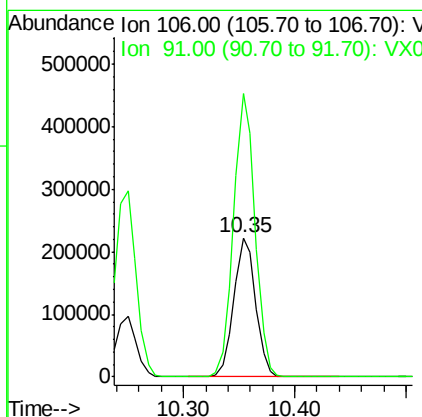
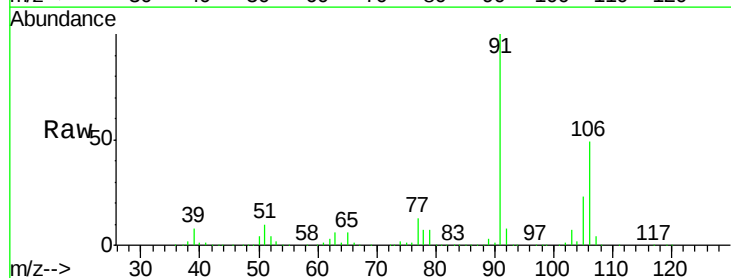
Manual Integrations
APPROVED

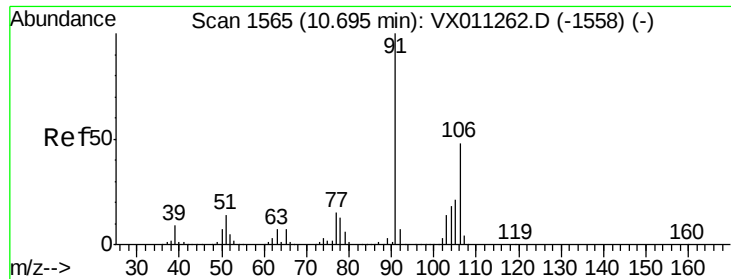
MMDadoda
8/9/2019 11:07:53 AM



#68
m/p-Xylenes
Concen: 96.171 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion: 106 Resp: 300665
Ion Ratio Lower Upper
106 100
91 200.4 155.9 233.9





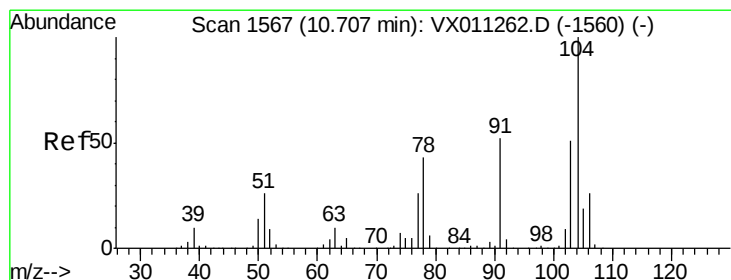
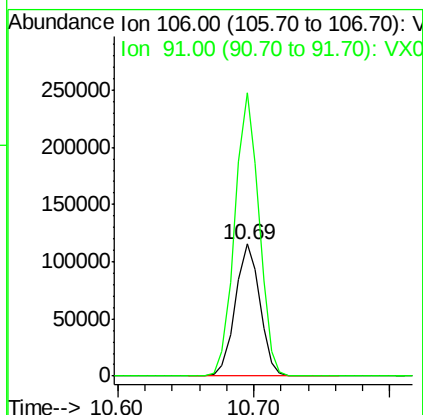
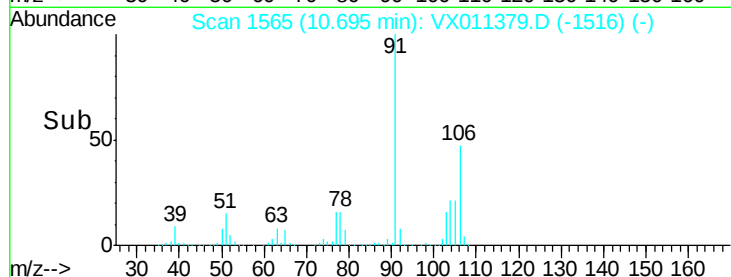
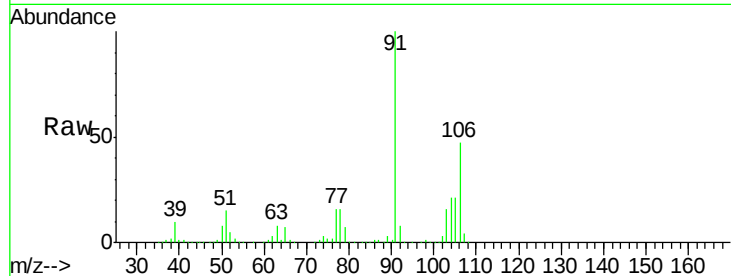
#69
o-Xylene
Concen: 47.236 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	211.8	103.8	311.3		

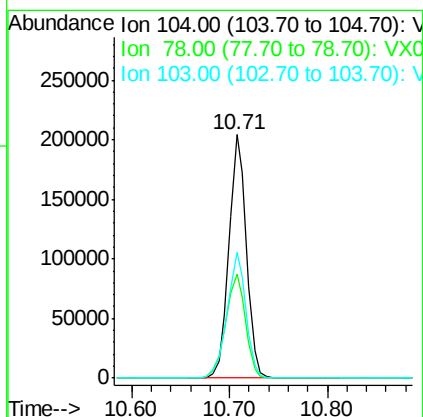
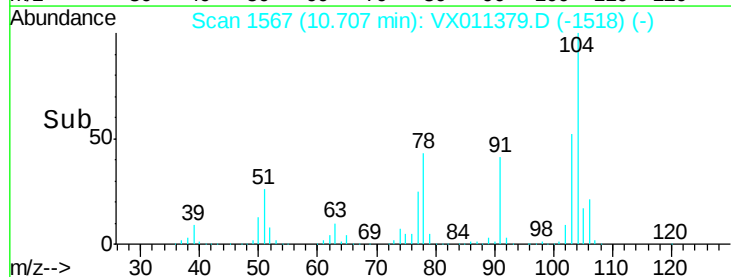
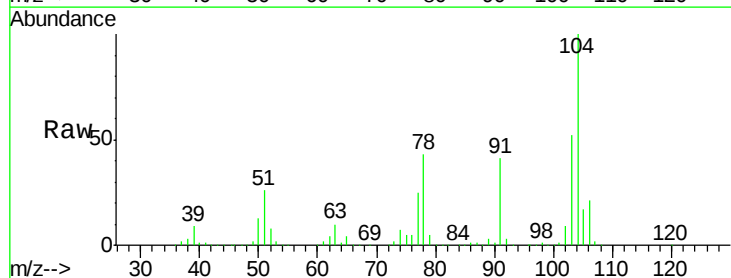
Manual Integrations
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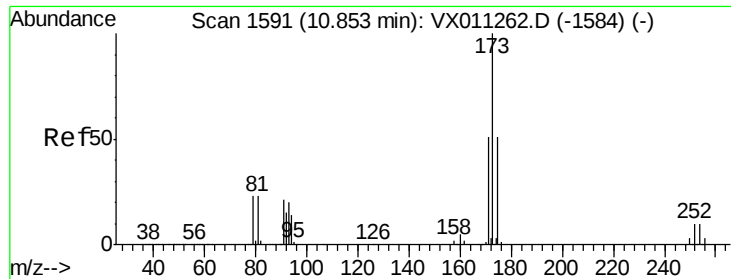
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8/9/2019 11:07:53 AM



#70
Styrene
Concen: 49.927 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.2	36.9	55.3		
103	55.3	44.4	66.6		





#71

Bromoform

Concen: 46.968 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 69119

Ion Ratio Lower Upper

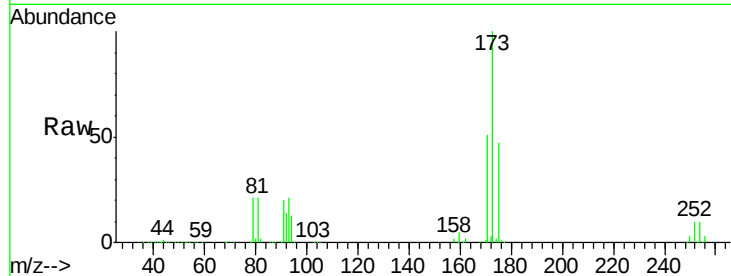
173 100

175 47.7 24.4 73.4

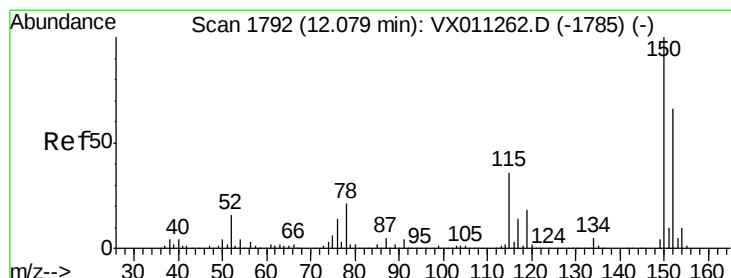
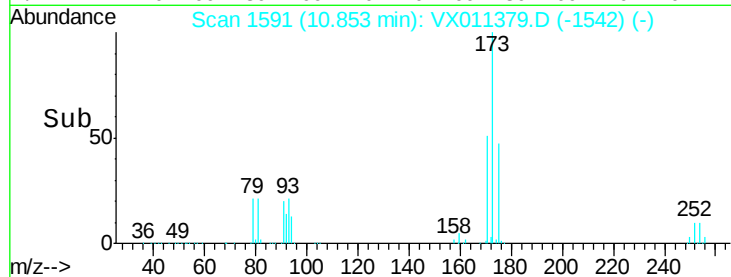
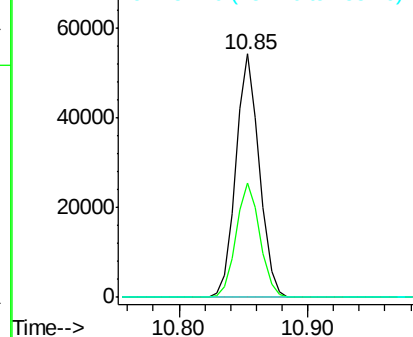
254 0.2 0.2 0.2#

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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# 1791

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

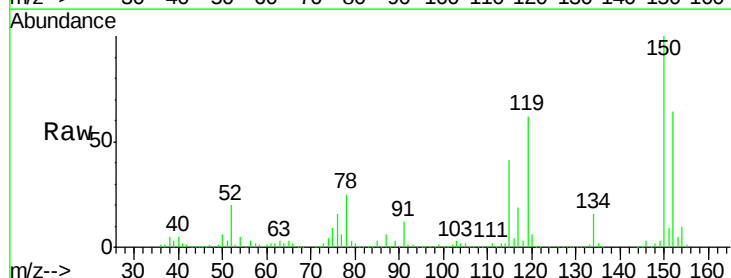
Tgt Ion:152 Resp: 123415

Ion Ratio Lower Upper

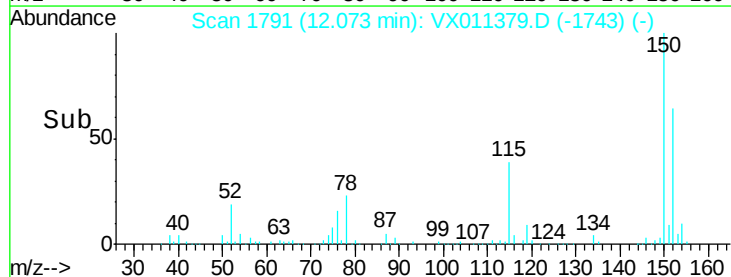
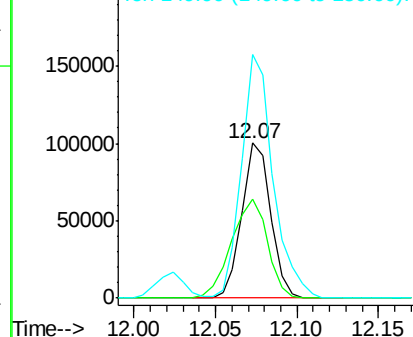
152 100

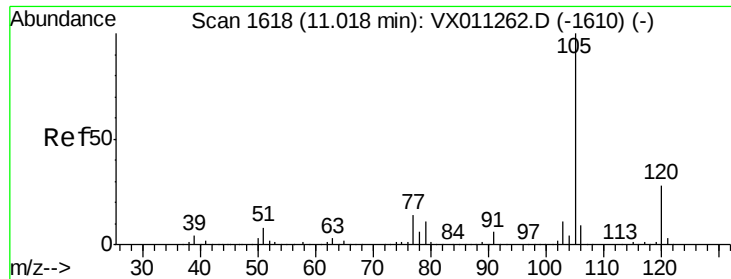
115 79.6 40.0 119.9

150 172.7 0.0 350.4



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: 47.463 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 400622

Ion Ratio Lower Upper

105 100

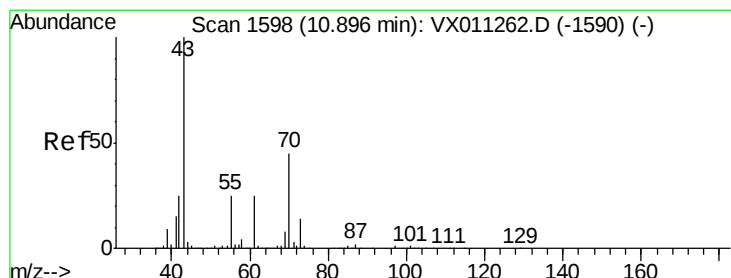
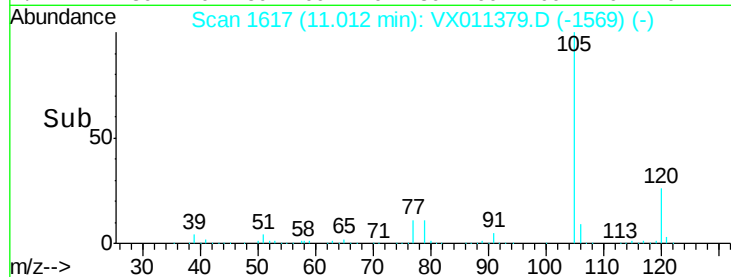
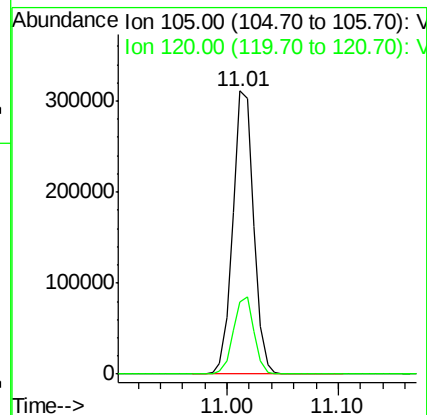
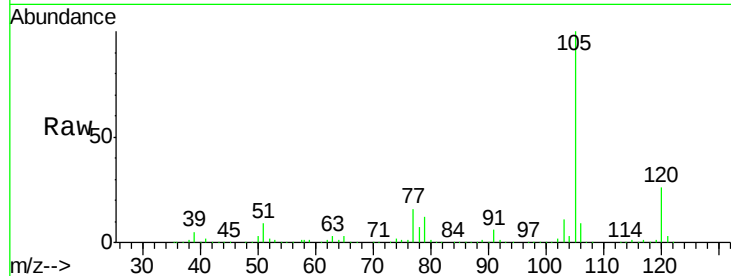
120 27.0 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.715 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Tgt Ion: 43 Resp: 151625

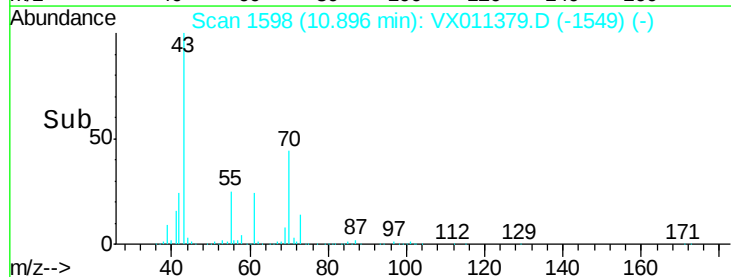
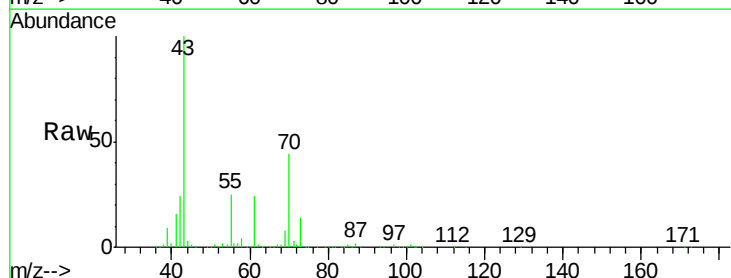
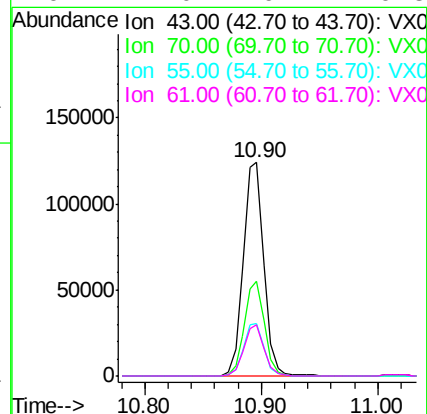
Ion Ratio Lower Upper

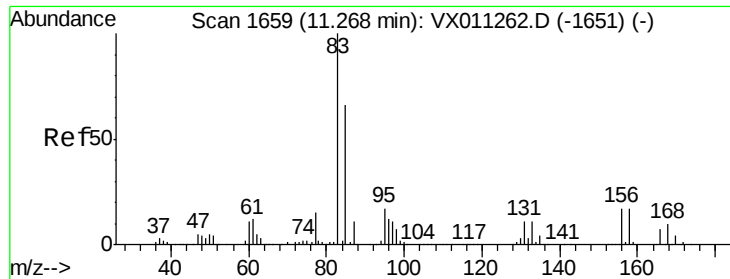
43 100

70 43.7 35.9 53.9

55 24.8 19.8 29.6

61 24.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.492 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

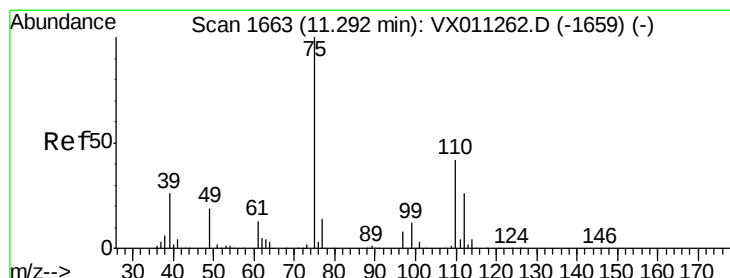
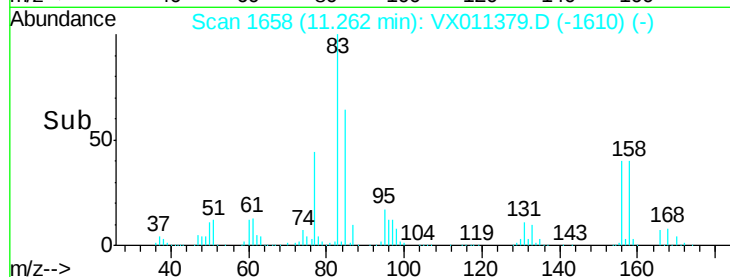
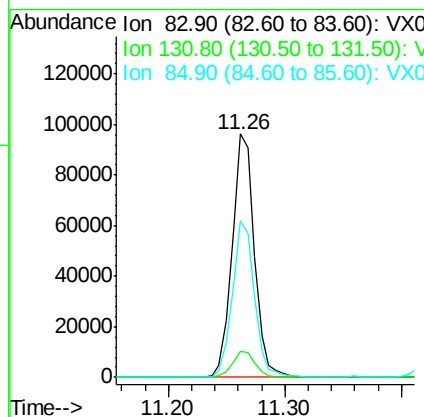
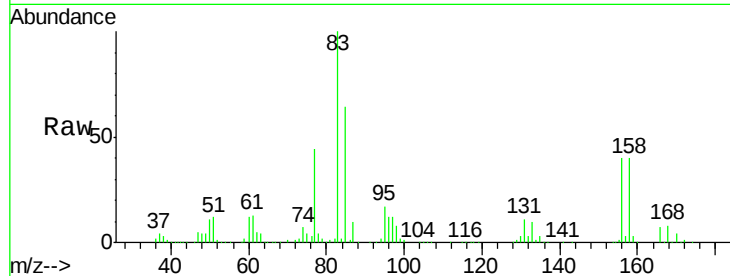
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	127962
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	64.1	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.736 ug/l m

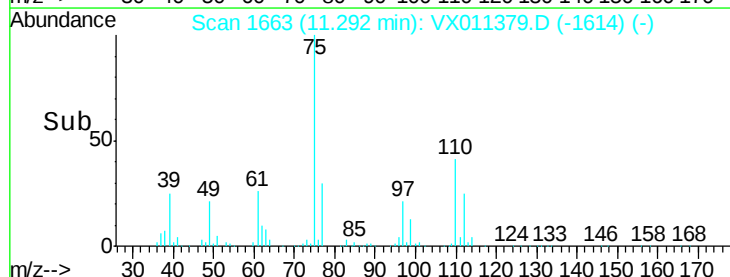
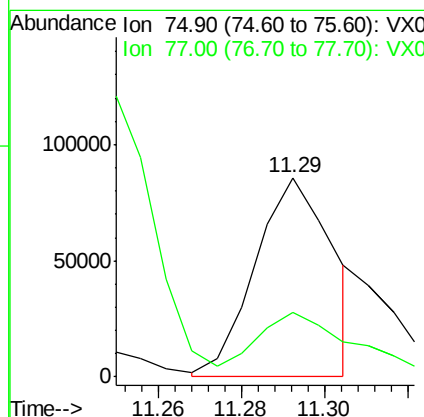
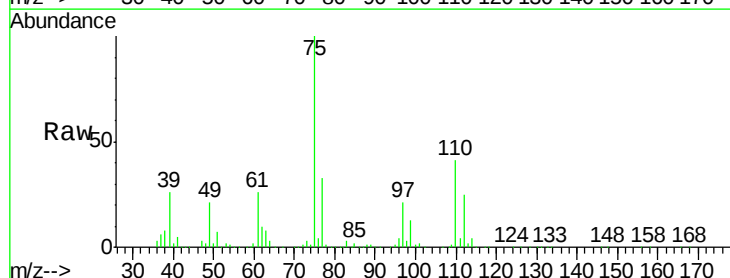
RT: 11.29 min Scan# 1663

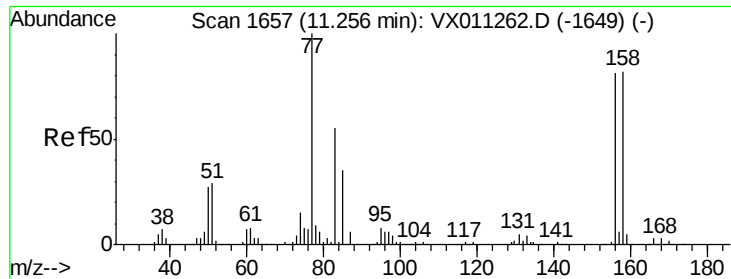
Delta R.T. 0.00 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Tgt Ion:	75	Resp:	111784
Ion Ratio	Lower	Upper	
75	100		
77	40.7	21.1	63.4





#77

Bromobenzene

Concen: 45.310 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

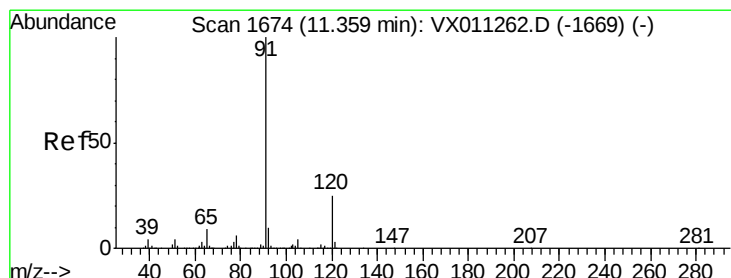
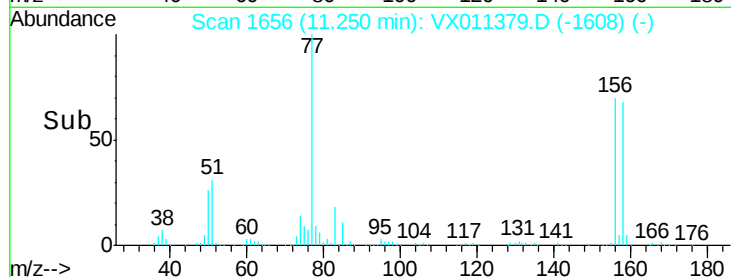
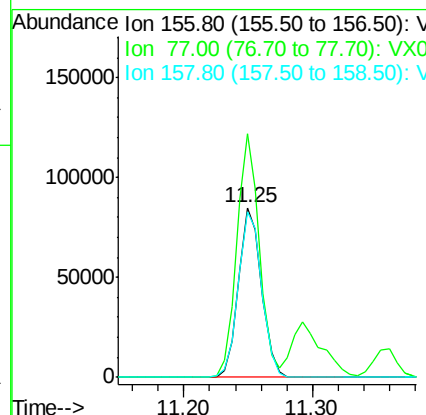
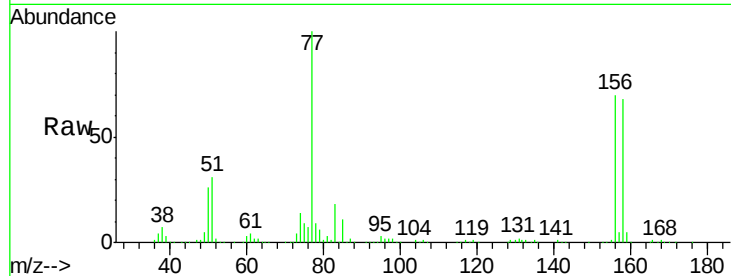
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	106050
Ion Ratio	Lower	Upper	
156	100		
77	140.9	66.2	198.6
158	99.4	49.1	147.3

Manual Integrations
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MMDadoda
8/9/2019 11:07:53 AM



#78

n-propylbenzene

Concen: 48.940 ug/l

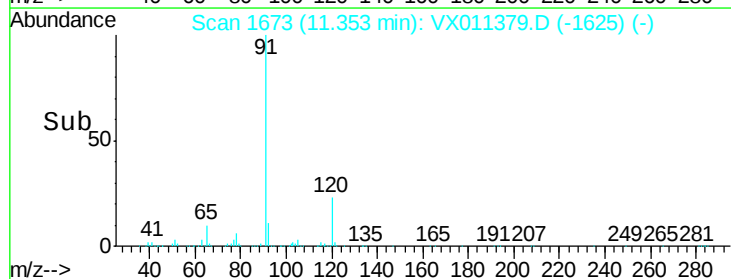
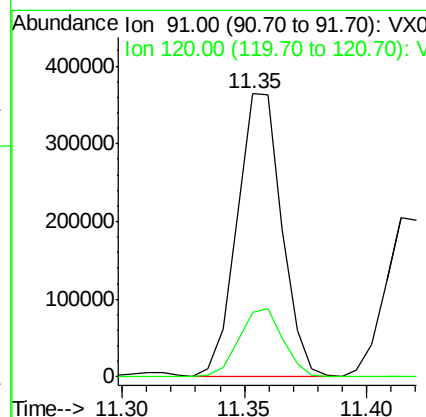
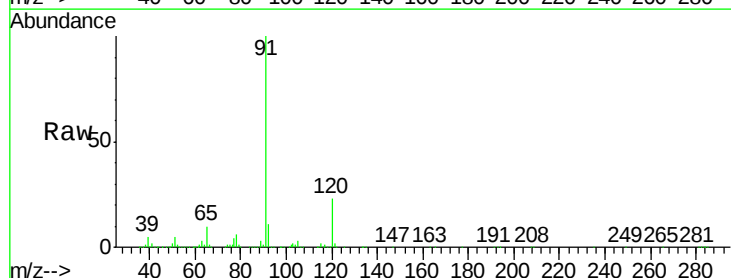
RT: 11.35 min Scan# 1673

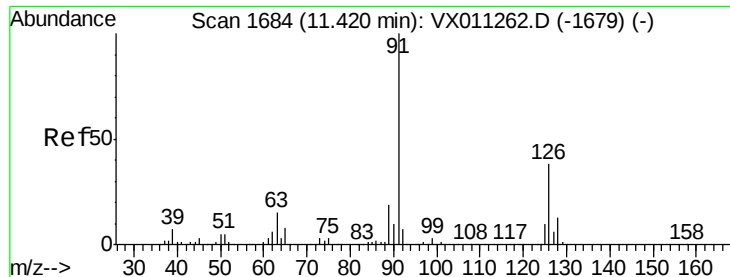
Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Tgt Ion:	91	Resp:	459377
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.4	37.0





#79

2-Chlorotoluene

Concen: 47.959 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011379.D

Acq: 08 Aug 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 268314

Ion Ratio Lower Upper

91 100

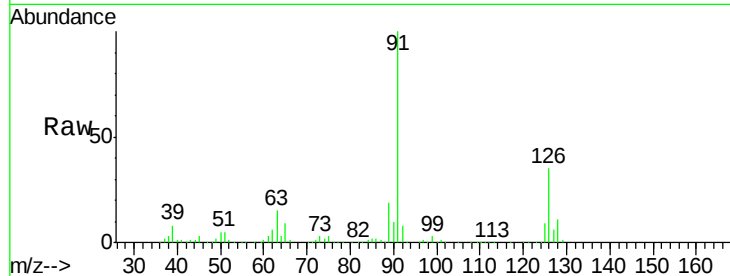
126 36.2 18.5 55.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX011262.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011262.D (-1679) (-)

400000

300000

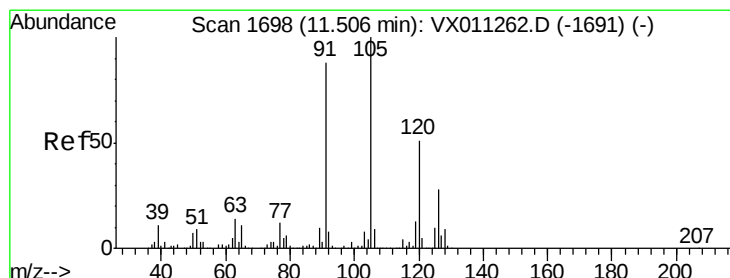
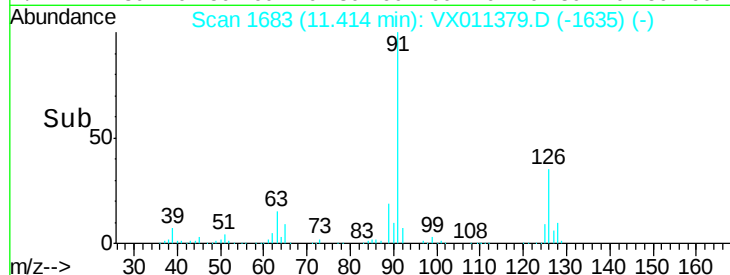
200000

100000

0

11.40 11.41 11.42 11.43 11.44 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.618 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011379.D

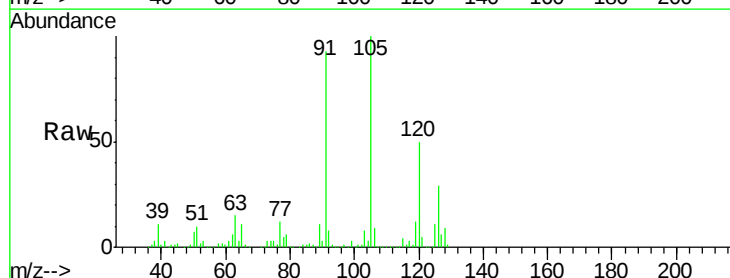
Acq: 08 Aug 2019 09:45

Tgt Ion: 105 Resp: 343523

Ion Ratio Lower Upper

105 100

120 49.8 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VX011262.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX011262.D (-1691) (-)

300000

250000

200000

150000

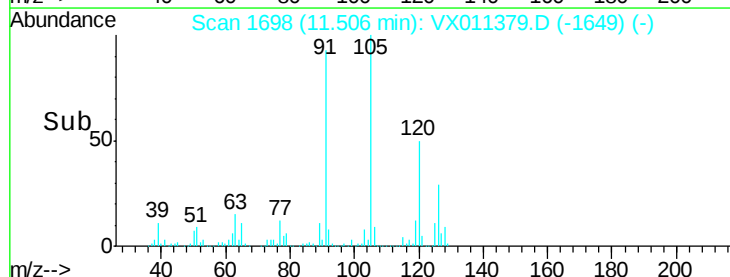
100000

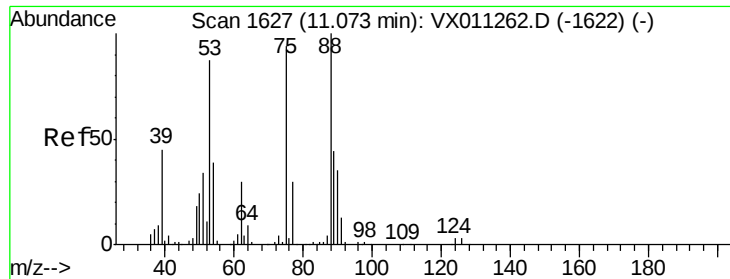
50000

0

11.45 11.50 11.55 11.60

Time-->





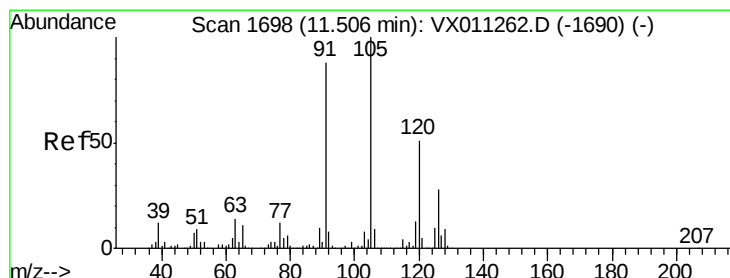
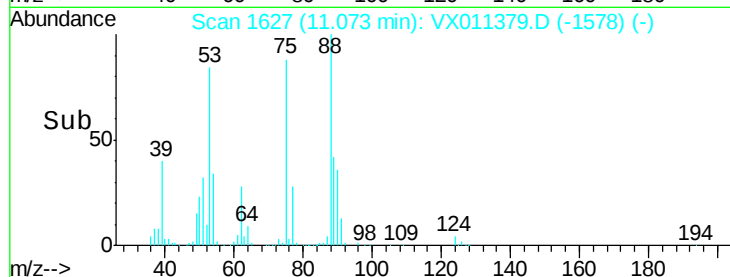
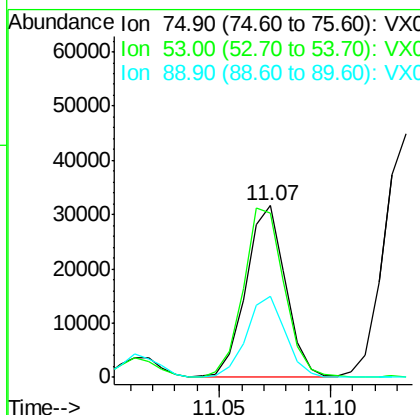
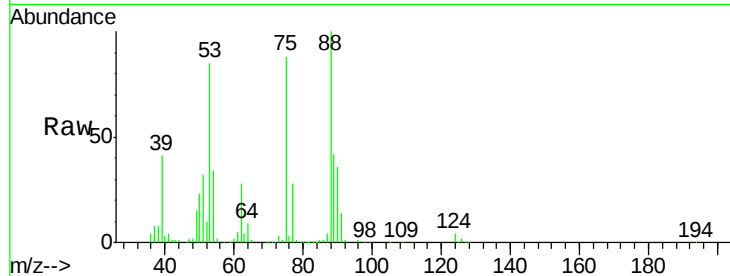
#81
trans-1,4-Dichloro-2-butene
Concen: 46.268 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.9	78.2	117.4
89	47.3	37.9	56.9

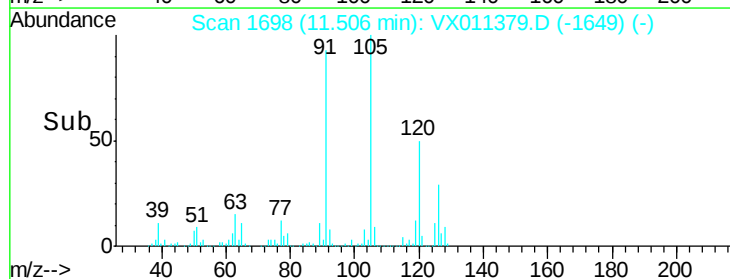
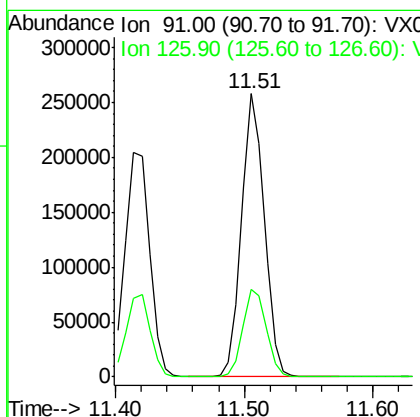
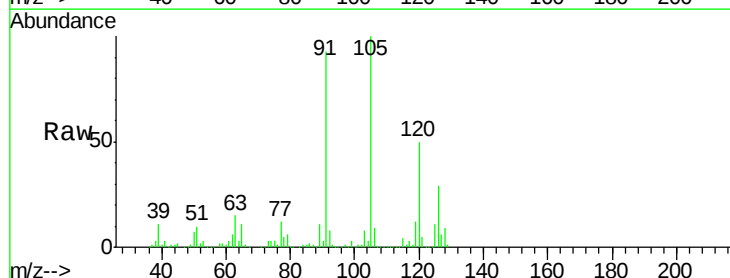
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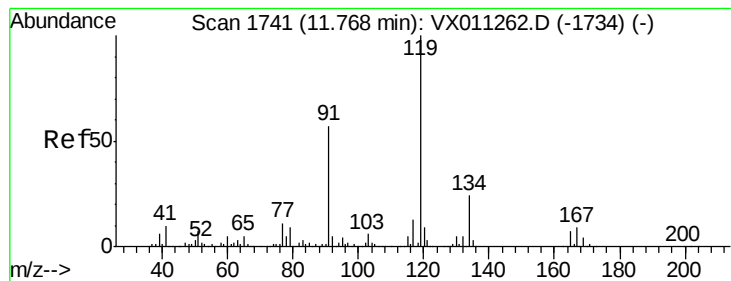
MMDadoda
8/9/2019 11:07:53 AM



#82
4-Chlorotoluene
Concen: 48.549 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.2





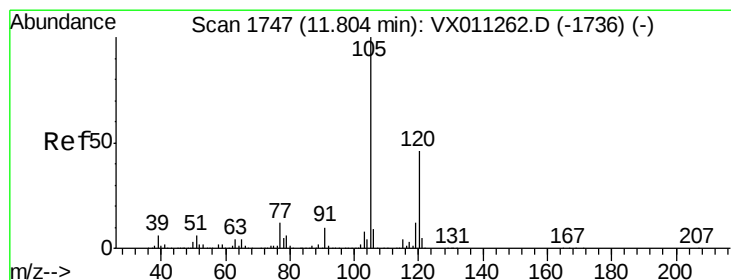
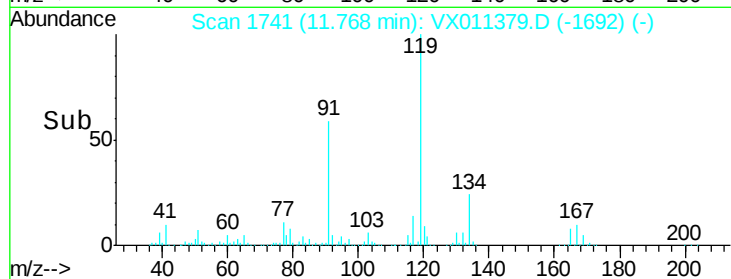
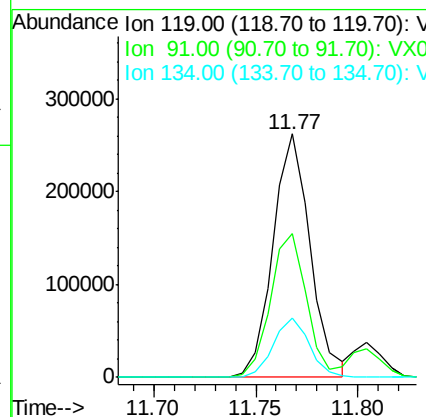
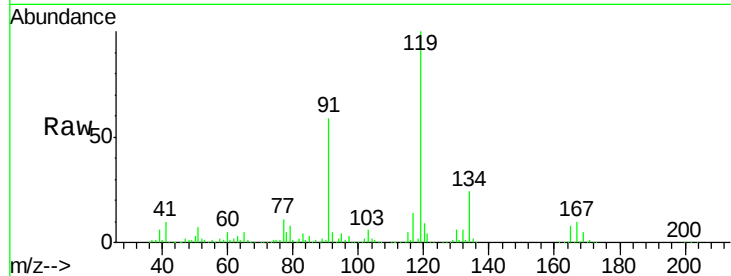
#83
tert-Butylbenzene
Concen: 48.172 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	333827		
91	57.0	28.0	84.0	
134	23.5	11.9	35.5	

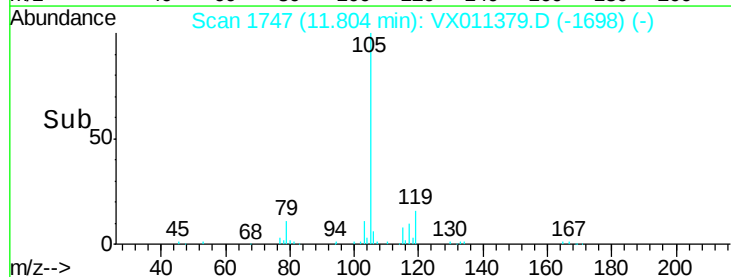
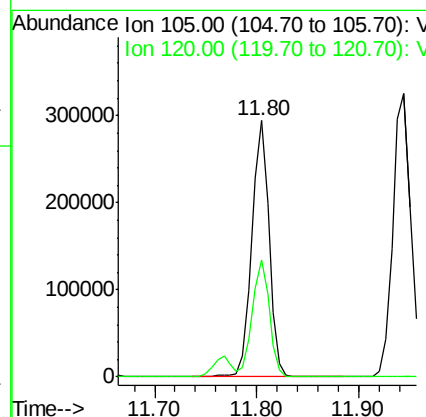
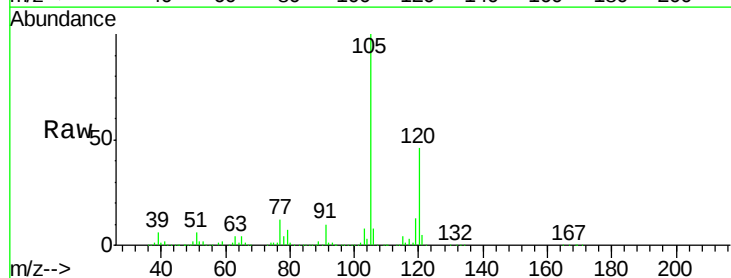
Manual Integrations
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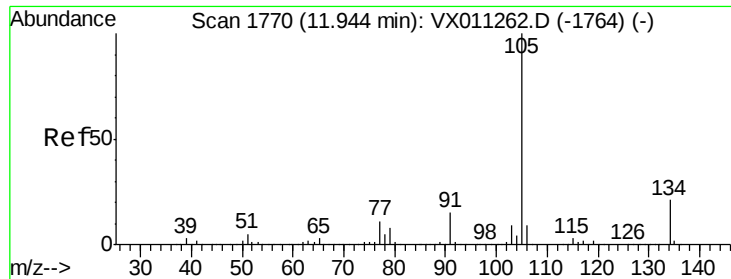
MMDadoda
8/9/2019 11:07:53 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.285 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	346712		
120	45.5	23.0	69.0	





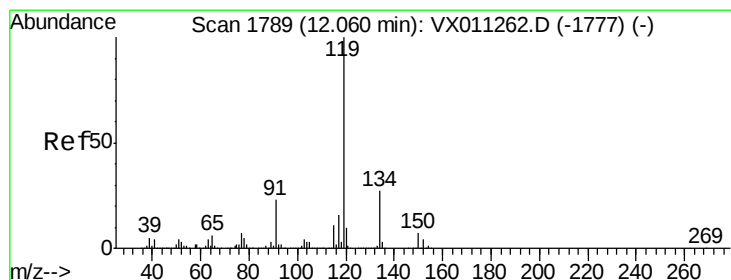
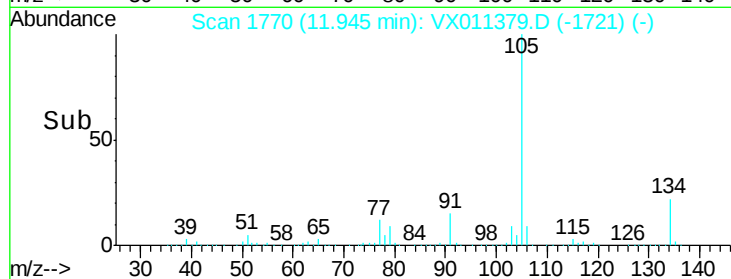
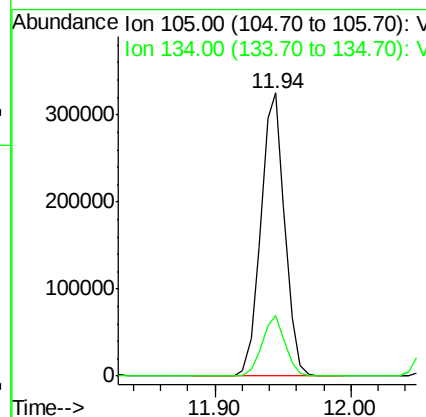
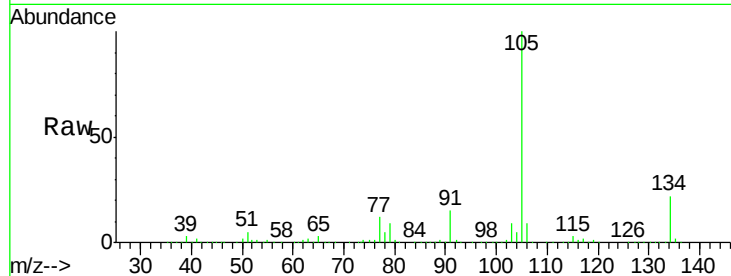
#85
 sec-Butylbenzene
 Concen: 48.139 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011379.D
 Acq: 08 Aug 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.4

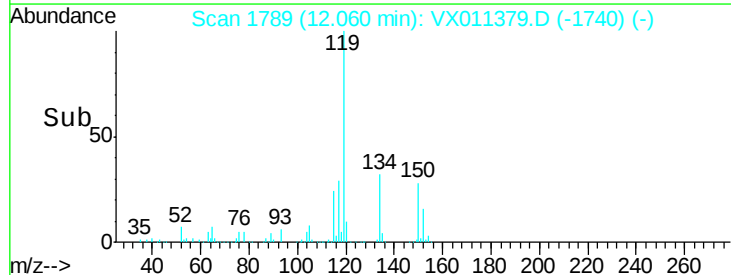
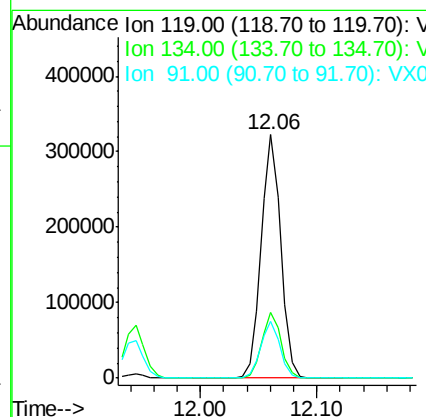
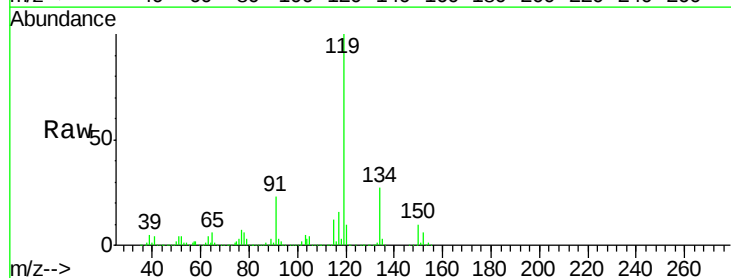
Manual Integrations
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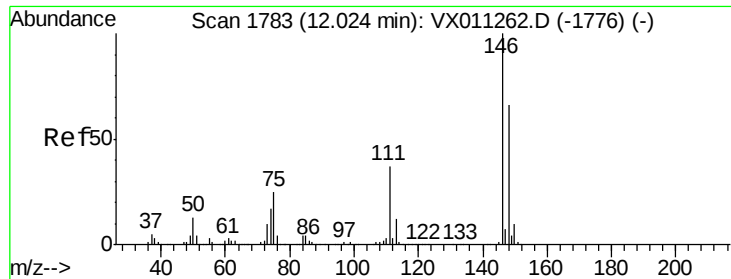
MMDadoda
 8/9/2019 11:07:53 AM



#86
 p-Isopropyltoluene
 Concen: 49.369 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011379.D
 Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.7	41.0
91	23.0	11.4	34.2





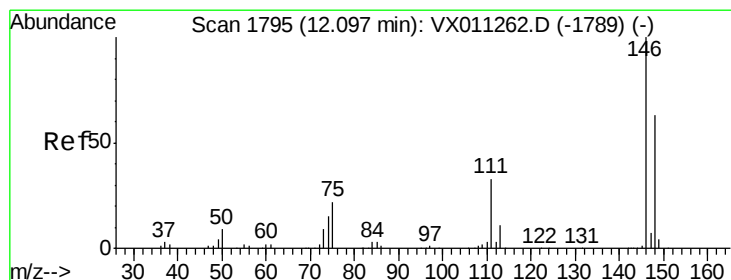
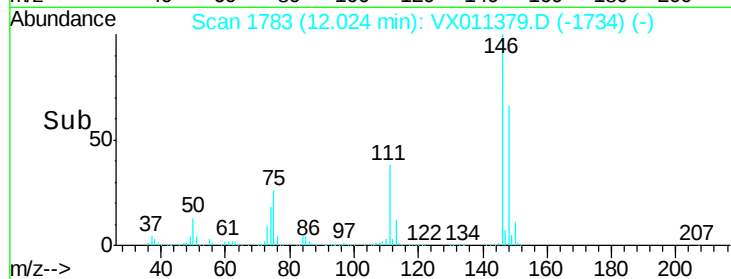
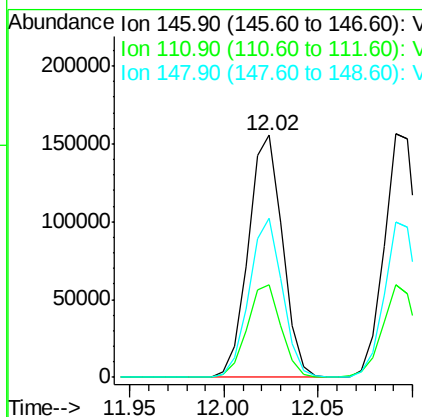
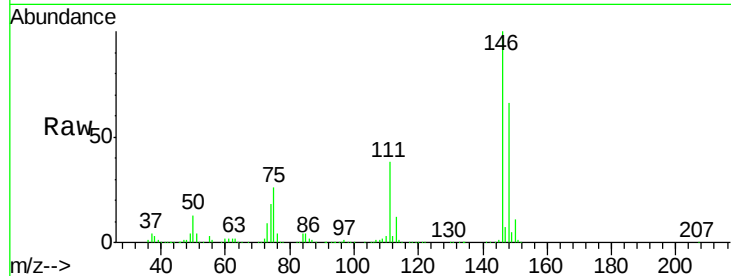
#87
 1,3-Dichlorobenzene
 Concen: 47.170 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011379.D
 Acq: 08 Aug 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	63.8	32.5	97.5

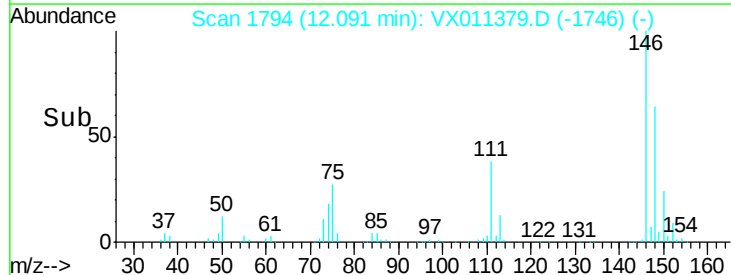
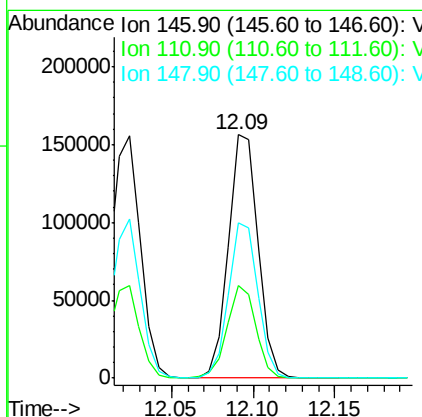
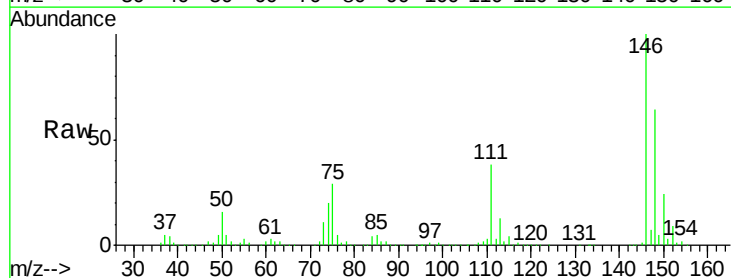
Manual Integrations
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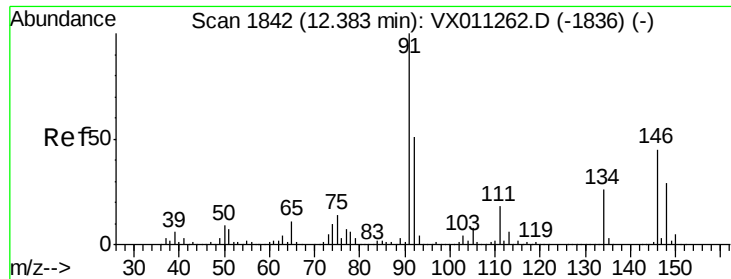
MMDadoda
 8/9/2019 11:07:53 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.132 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011379.D
 Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	17.8	53.4
148	63.5	31.8	95.3





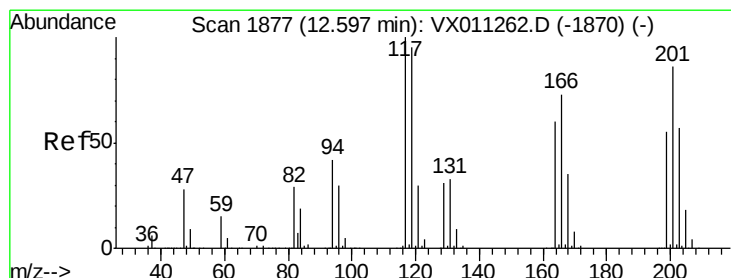
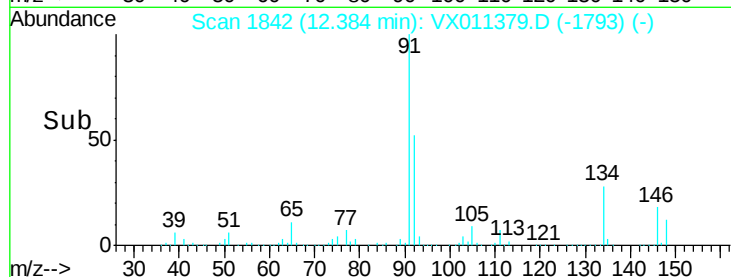
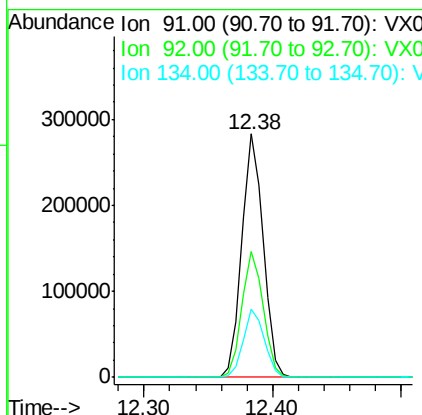
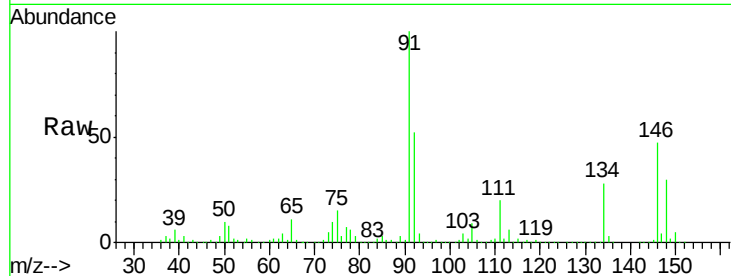
#89
n-Butylbenzene
Concen: 49.250 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.8	77.3
134	27.5	13.7	41.0

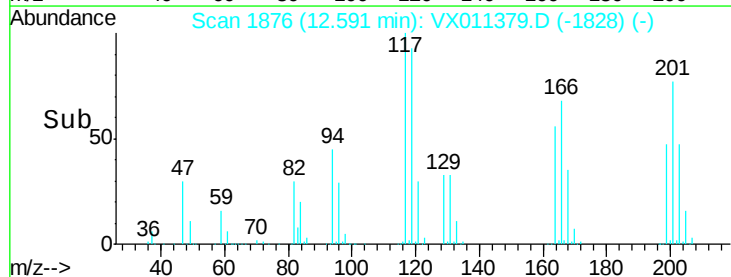
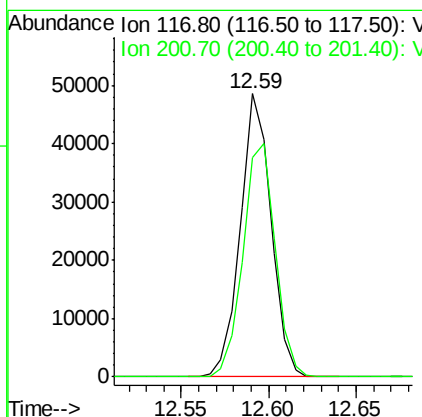
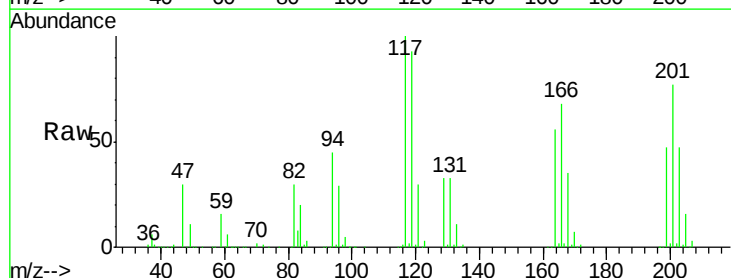
Manual Integrations
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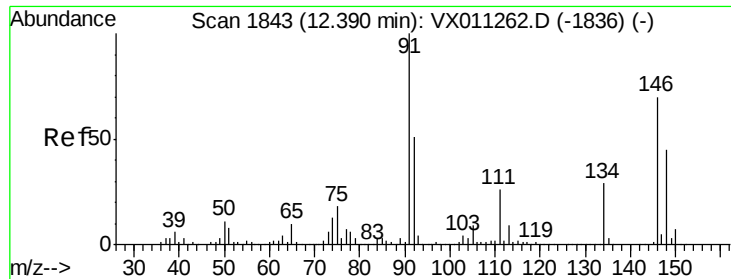
MMDadoda
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#90
Hexachloroethane
Concen: 52.398 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	41.8	125.4





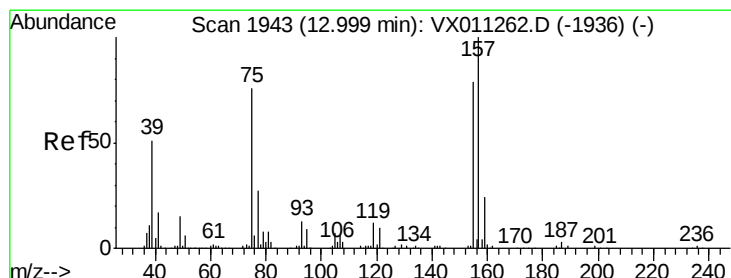
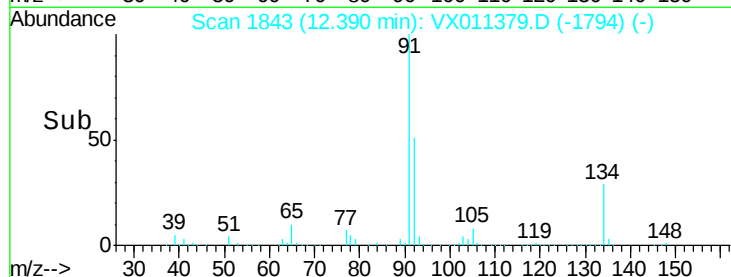
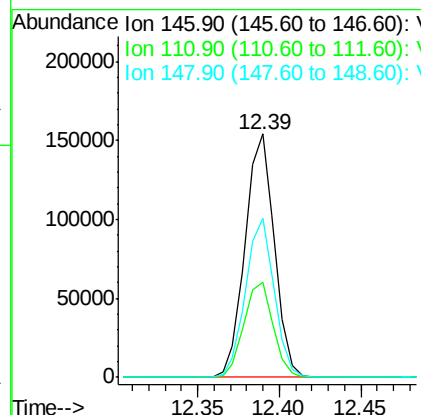
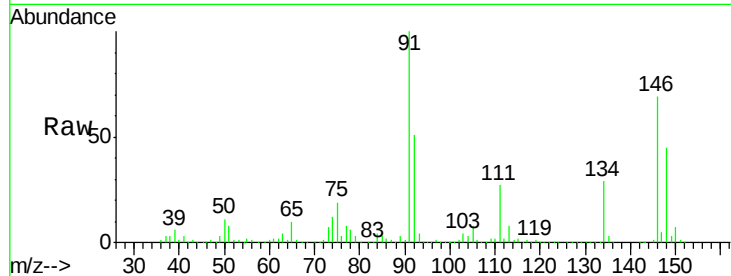
#91
 1,2-Dichlorobenzene
 Concen: 46.403 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011379.D
 Acq: 08 Aug 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	192819		
111	39.3	19.1	57.1	
148	64.5	32.3	96.8	

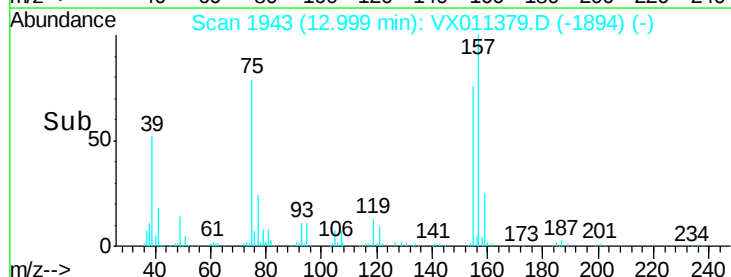
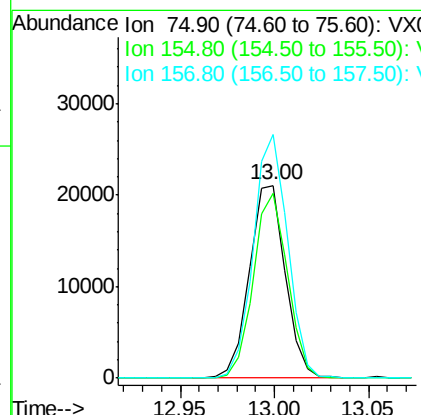
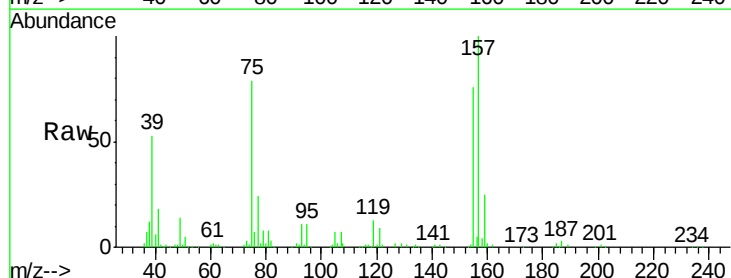
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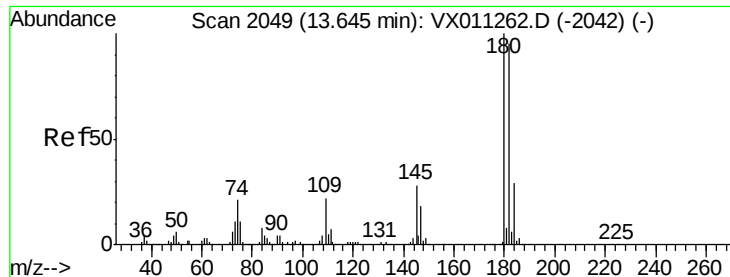
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.139 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011379.D
 Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27869		
155	91.5	51.9	155.8	
157	120.4	64.3	192.7	





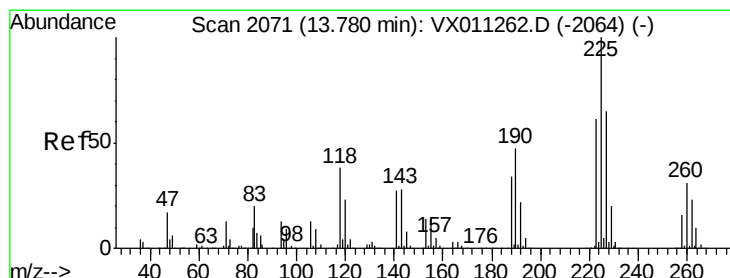
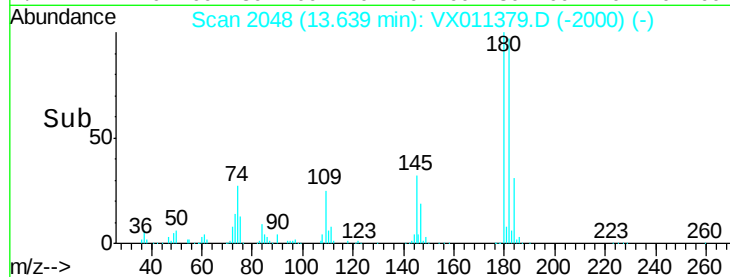
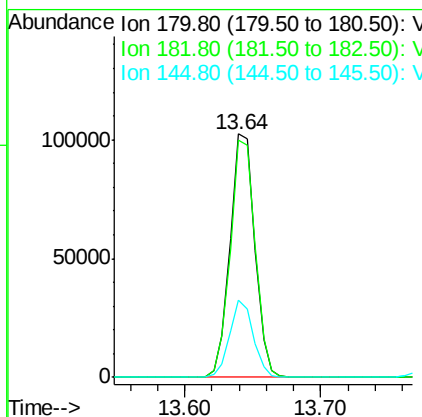
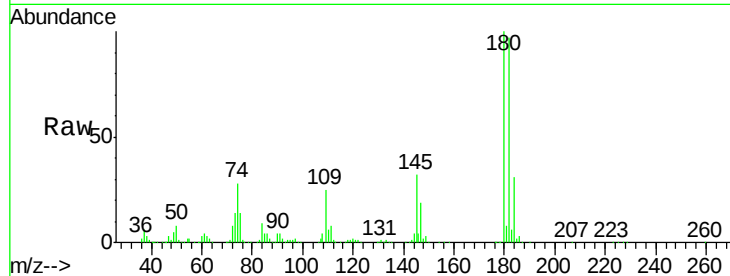
#93
1,2,4-Trichlorobenzene
Concen: 47.268 ug/l
RT: 13.64 min Scan# 2048
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130257		
182	98.0	47.8	143.4	
145	30.2	14.8	44.3	

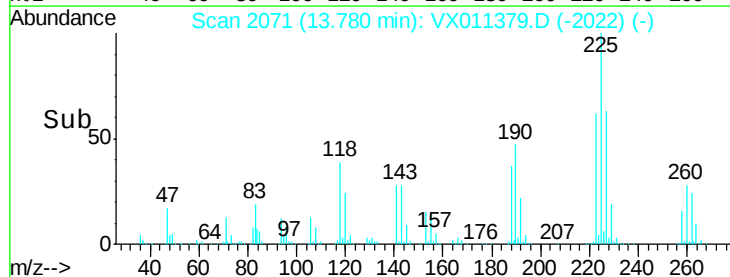
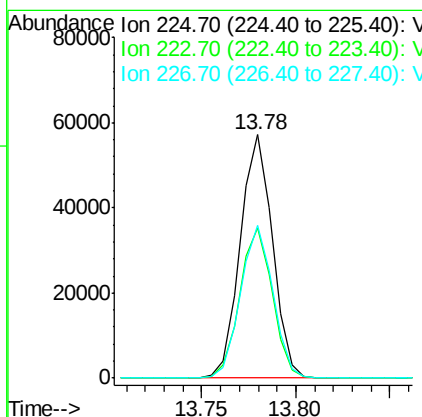
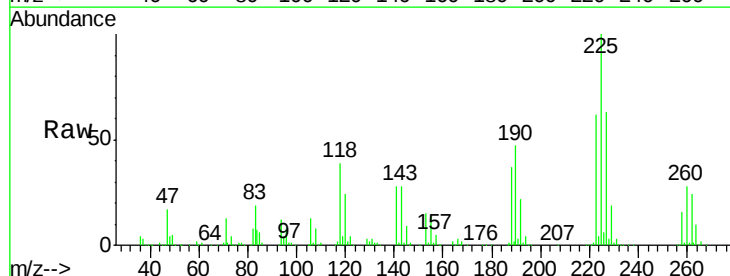
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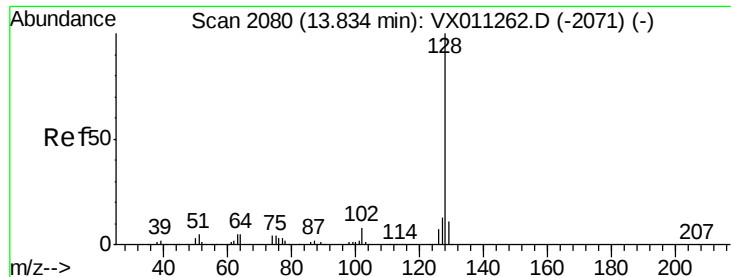
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#94
Hexachlorobutadiene
Concen: 48.540 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67865		
223	62.3	31.0	93.0	
227	62.8	32.2	96.6	





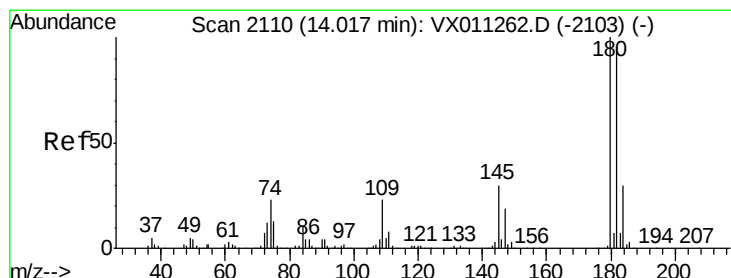
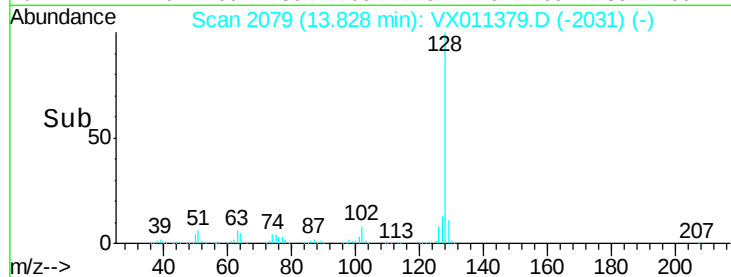
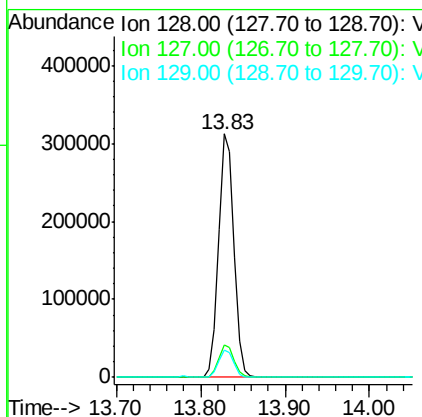
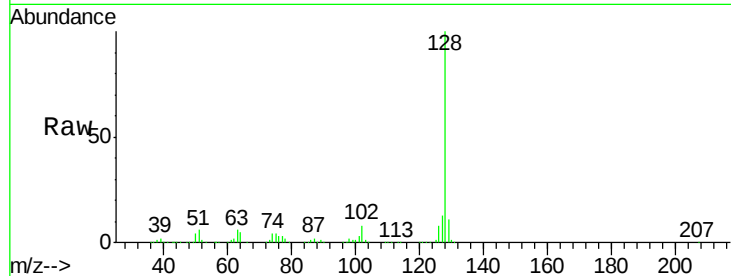
#95
Naphthalene
Concen: 48.932 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	394334
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.0	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.940 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011379.D
Acq: 08 Aug 2019 09:45

Tgt Ion:	180	Resp:	134307
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.4	142.3
145	31.1	15.2	45.6

