

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061919\
 Data File : VX010349.D
 Acq On : 19 Jun 2019 15:39
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061919

Manual Integrations
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 6/20/2019 1:23:42 PM

Quant Time: Jun 20 03:40:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	325905	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	477920	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	435226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	232840	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	142697	46.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.40%	
35) Dibromofluoromethane	5.49	113	142551	48.75	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	97.50%	
50) Toluene-d8	8.71	98	537705	48.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	11.13	95	201589	49.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	122132	53.903	ug/l	98
3) Chloromethane	1.32	50	134650	51.035	ug/l	100
4) Vinyl Chloride	1.41	62	144303	49.935	ug/l	99
5) Bromomethane	1.64	94	73591	52.272	ug/l	99
6) Chloroethane	1.71	64	87735	51.460	ug/l	96
7) Trichlorofluoromethane	1.93	101	238268	52.012	ug/l	100
8) Diethyl Ether	2.18	74	85650	52.136	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	138012	49.714	ug/l	97
10) Methyl Iodide	2.51	142	194242	49.027	ug/l	99
11) Tert butyl alcohol	3.04	59	189850	237.439	ug/l	100
12) 1,1-Dichloroethene	2.37	96	132947	47.063	ug/l	94
13) Acrolein	2.29	56	117050	220.676	ug/l	99
14) Allyl chloride	2.73	41	213017	53.115	ug/l	99
15) Acrylonitrile	3.14	53	395618	249.907	ug/l	99
16) Acetone	2.44	43	388371	253.603	ug/l	98
17) Carbon Disulfide	2.57	76	399915	52.768	ug/l	99
18) Methyl Acetate	2.77	43	151004	49.474	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	457040	51.429	ug/l	99
20) Methylene Chloride	2.85	84	161473	51.236	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	157076	51.701	ug/l	99
22) Diisopropyl ether	3.85	45	429130	51.178	ug/l	98
23) Vinyl Acetate	3.81	43	1929000	266.297	ug/l	99
24) 1,1-Dichloroethane	3.69	63	251231	51.834	ug/l	99
25) 2-Butanone	4.67	43	562499	250.401	ug/l	99
26) 2,2-Dichloropropane	4.58	77	227495	54.031	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	180321	51.361	ug/l	99
28) Bromochloromethane	5.01	49	105843	45.674	ug/l	99
29) Tetrahydrofuran	5.12	42	338468	243.252	ug/l	99
30) Chloroform	5.20	83	266917	51.183	ug/l	98
31) Cyclohexane	5.57	56	238219	53.972	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	241632	52.474	ug/l	100
36) 1,1-Dichloropropene	5.79	75	203079	53.473	ug/l	99
37) Ethyl Acetate	4.82	43	205977	52.720	ug/l	99
38) Carbon Tetrachloride	5.78	117	220822	53.695	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	277981	55.684	ug/l	99
40) Benzene	6.13	78	625186	52.839	ug/l	99
41) Methacrylonitrile	5.04	41	109062	50.875	ug/l	99
42) 1,2-Dichloroethane	6.18	62	194585	54.026	ug/l	99
43) Isopropyl Acetate	6.44	43	341022	52.756	ug/l	99
44) Trichloroethene	7.21	130	188809	53.329	ug/l	99
45) 1,2-Dichloropropane	7.51	63	154822	51.816	ug/l	98
46) Dibromomethane	7.65	93	111732	52.120	ug/l	99
47) Bromodichloromethane	7.89	83	211626	53.867	ug/l	99
48) Methyl methacrylate	7.76	41	162814	54.188	ug/l	99
49) 1,4-Dioxane	7.73	88	89563	1034.749	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1074315	259.860	ug/l	100
52) Toluene	8.78	92	409973	52.616	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	242965	55.161	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	264969	55.357	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	169312	52.688	ug/l	99
56) Ethyl methacrylate	9.18	69	259998	53.409	ug/l	99
57) 1,3-Dichloropropane	9.37	76	262153	52.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	685750	296.610	ug/l	100
59) 2-Hexanone	9.49	43	855885	263.044	ug/l	100
60) Dibromochloromethane	9.58	129	194886	54.164	ug/l	99
61) 1,2-Dibromoethane	9.67	107	182781	52.696	ug/l	100
64) Tetrachloroethene	9.33	164	178710	50.767	ug/l	97
65) Chlorobenzene	10.13	112	467124	52.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	175273	54.458	ug/l	99
67) Ethyl Benzene	10.25	91	802588	53.804	ug/l	99
68) m/p-Xylenes	10.35	106	630136	109.021	ug/l	100
69) o-Xylene	10.69	106	305352	53.721	ug/l	100
70) Styrene	10.71	104	531003	55.705	ug/l	99
71) Bromoform	10.85	173	158029	56.461	ug/l	# 99
73) Isopropylbenzene	11.02	105	816070	51.703	ug/l	99
74) N-amyl acetate	10.90	43	319342	53.536	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	262049	50.132	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	224527m	52.918	ug/l	
77) Bromobenzene	11.25	156	225563	51.180	ug/l	99
78) n-propylbenzene	11.36	91	931238	53.683	ug/l	100
79) 2-Chlorotoluene	11.42	91	536602	51.948	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	691516	53.146	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	96309	52.953	ug/l	100
82) 4-Chlorotoluene	11.51	91	628289	53.453	ug/l	99
83) tert-Butylbenzene	11.77	119	692328	53.013	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	700760	53.605	ug/l	99
85) sec-Butylbenzene	11.94	105	825984	53.867	ug/l	100
86) p-Isopropyltoluene	12.06	119	772413	54.459	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	407791	53.007	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	407186	51.990	ug/l	100
89) n-Butylbenzene	12.38	91	687999	57.084	ug/l	99
90) Hexachloroethane	12.59	117	137660	56.131	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	392963	51.395	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55463	49.213	ug/l	99

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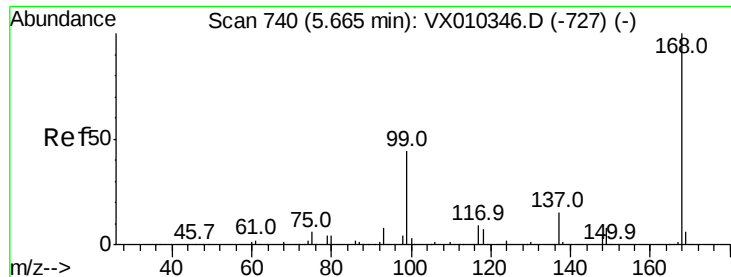
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	291793	55.030	ug/l	98
94) Hexachlorobutadiene	13.78	225	140326	54.149	ug/l	100
95) Naphthalene	13.83	128	858164	52.666	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	281907	53.473	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. -0.01 min

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ClientSampleId :

ICVVX061919

Tot Ion:168 Resp: 325905

Ion Ratio Lower Upper

168 100

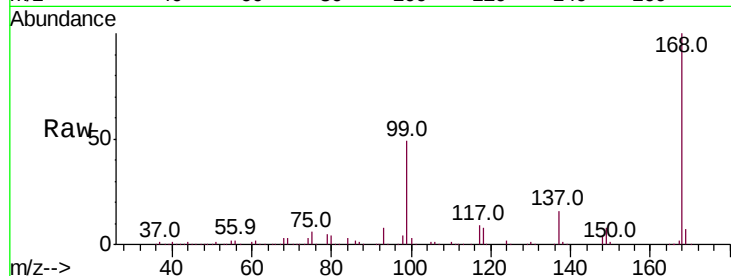
99 48.5 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

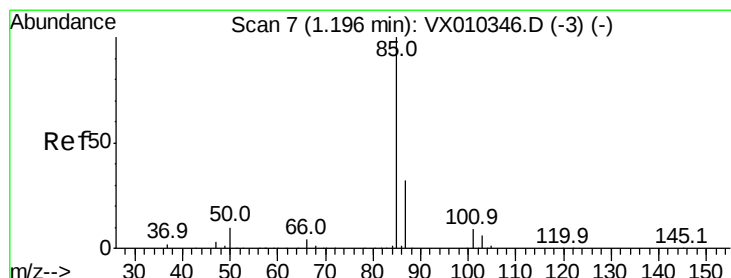
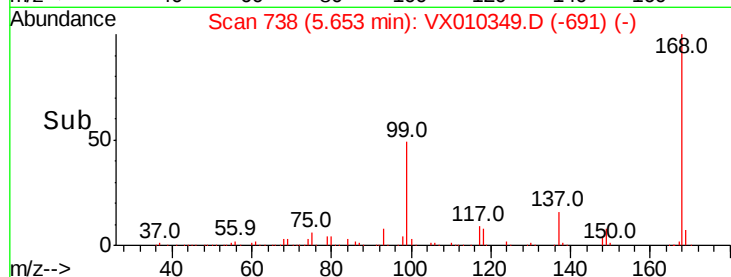
5.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.903 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010349.D

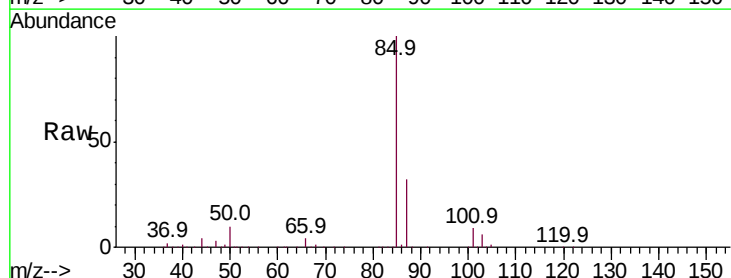
Acq: 19 Jun 2019 15:39

Tgt Ion: 85 Resp: 122132

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

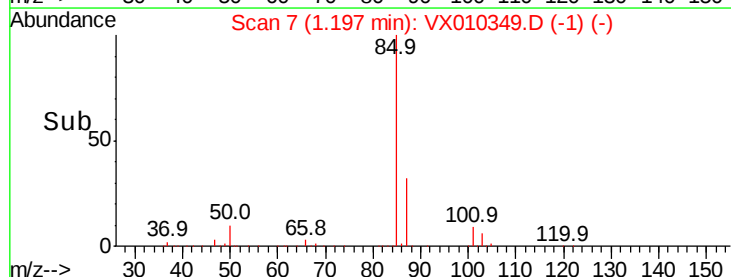
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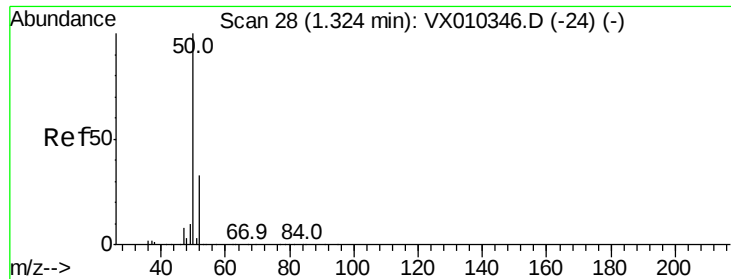
100000

50000

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Time-->





#3

Chloromethane

Concen: 51.035 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion: 50 Resp: 134650

Ion Ratio Lower Upper

50 100

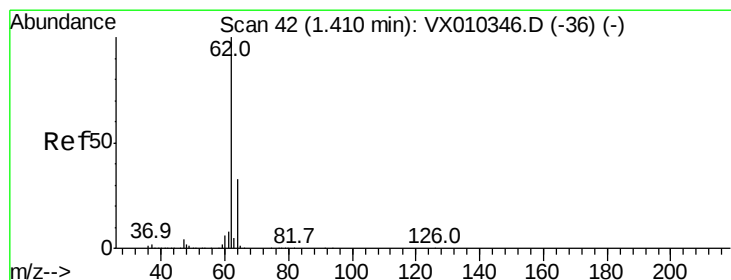
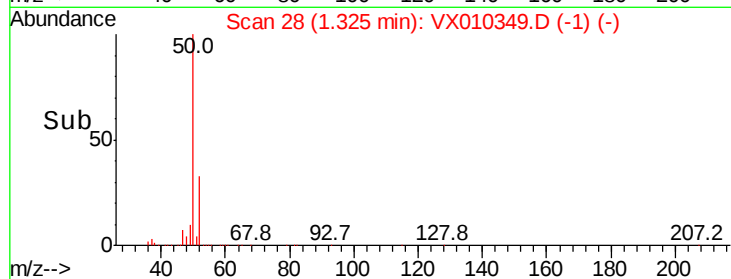
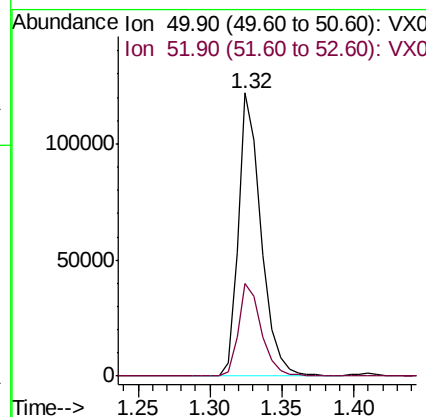
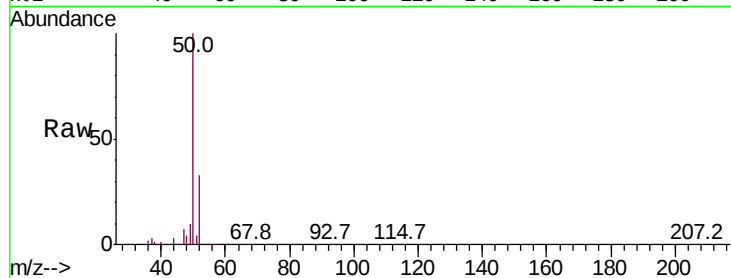
52 32.9 26.5 39.7

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#4

Vinyl Chloride

Concen: 49.935 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010349.D

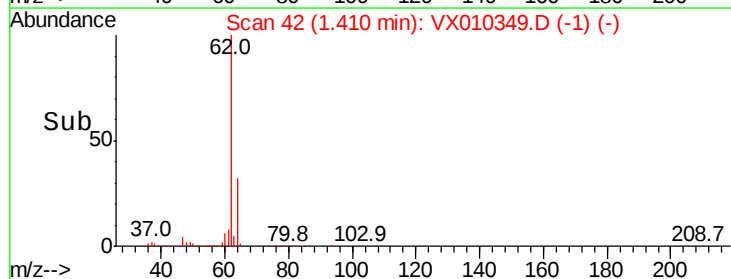
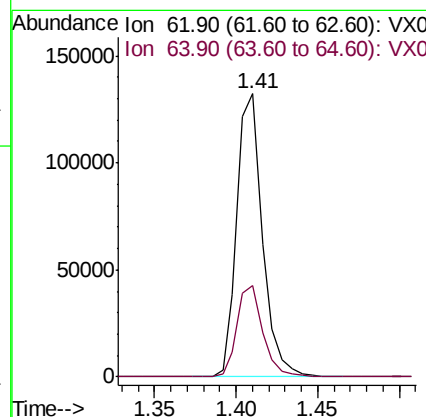
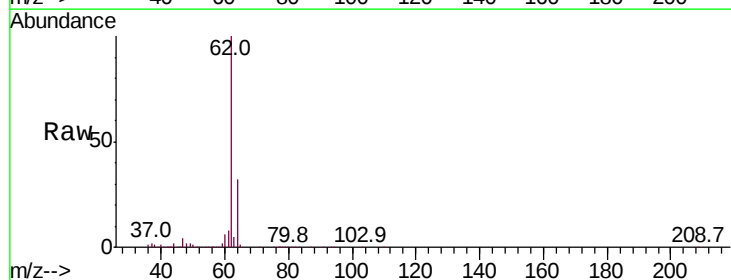
Acq: 19 Jun 2019 15:39

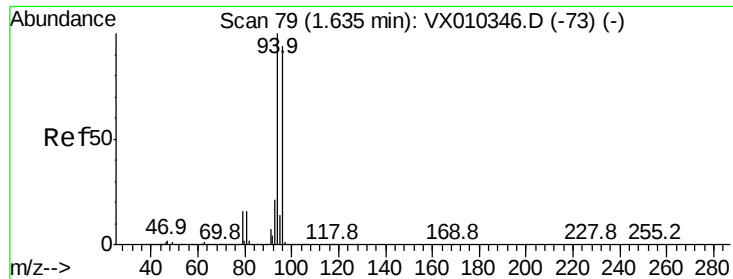
Tgt Ion: 62 Resp: 144303

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4





#5

Bromomethane

Concen: 52.272 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

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ClientSampleId :

ICVVX061919

Tot Ion: 94 Resp: 73591

Ion Ratio Lower Upper

94 100

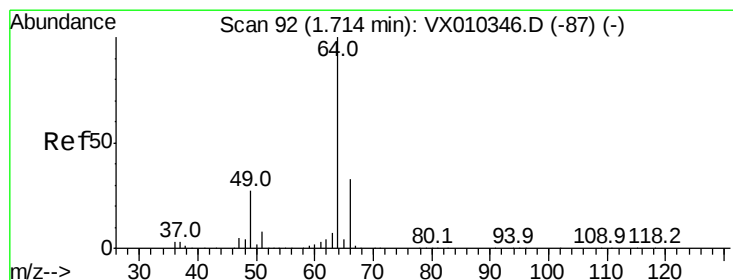
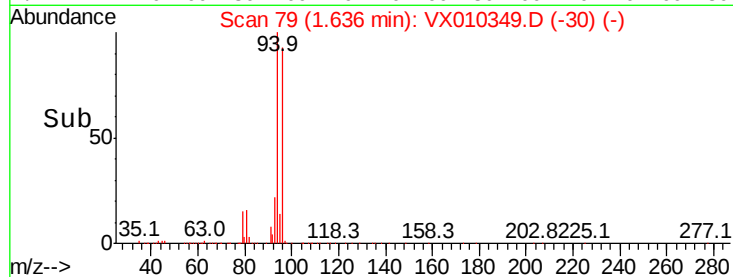
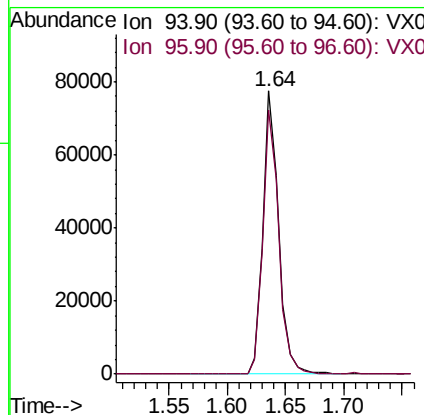
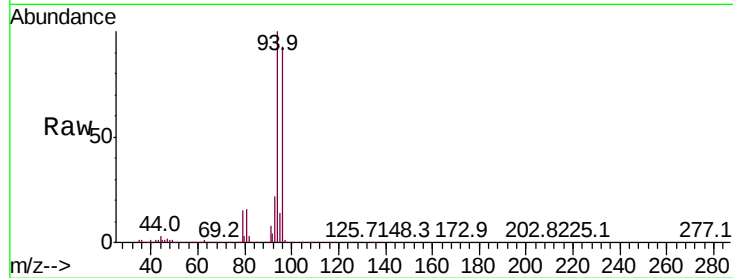
96 93.1 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 51.460 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010349.D

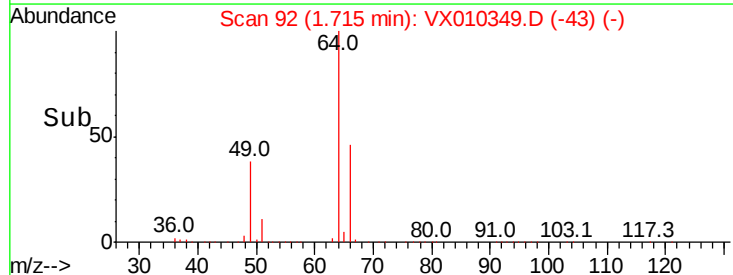
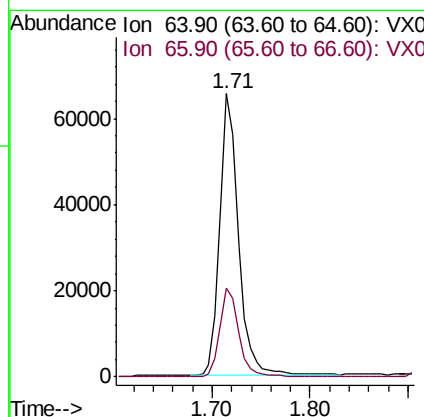
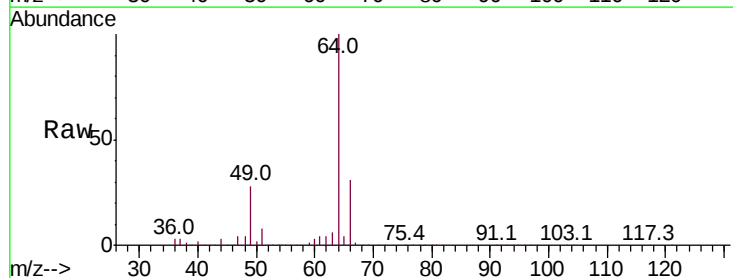
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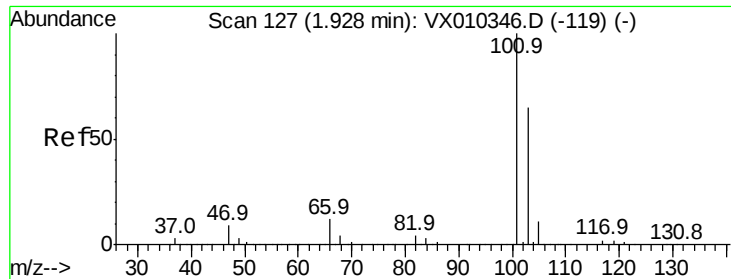
Tgt Ion: 64 Resp: 87735

Ion Ratio Lower Upper

64 100

66 31.2 26.6 40.0





#7

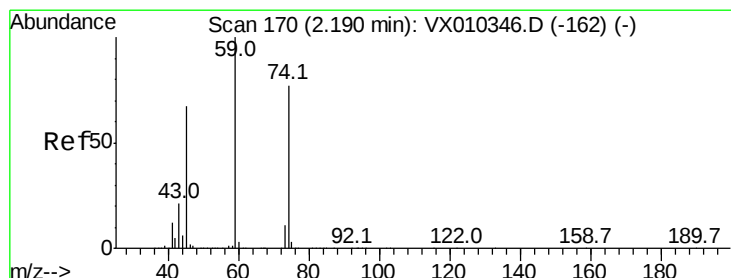
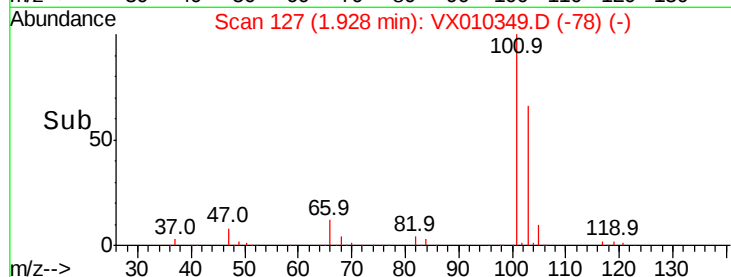
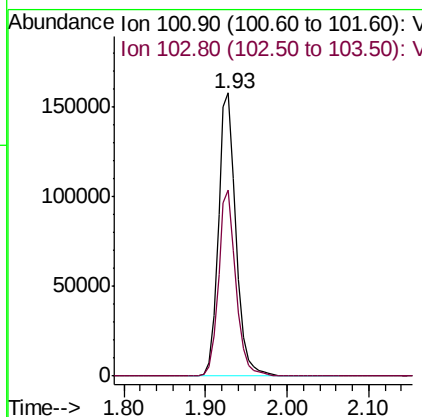
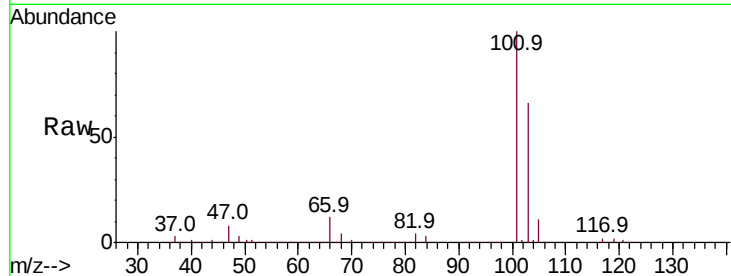
Trichlorofluoromethane
Concen: 52.012 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.3	78.5

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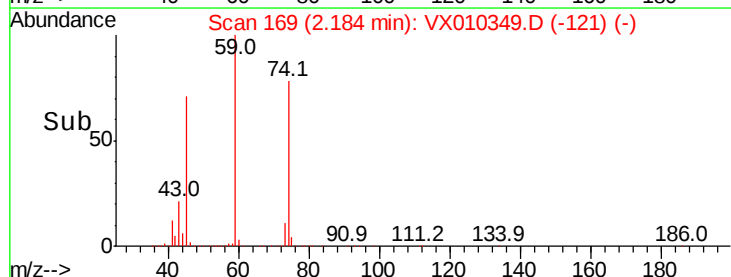
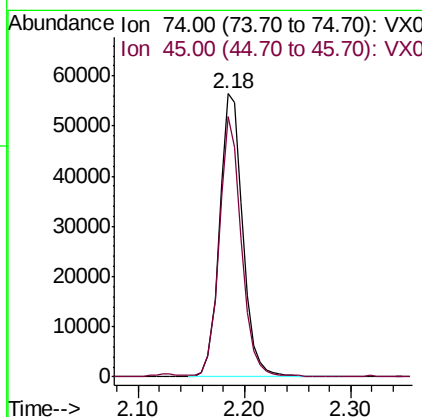
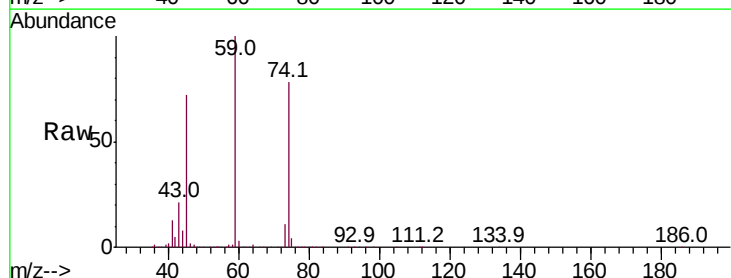
MMDadoda
6/20/2019 1:23:42 PM

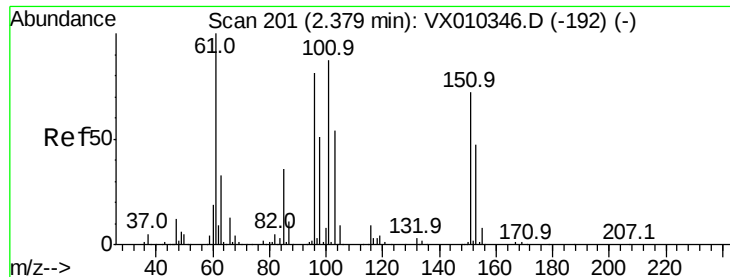


#8

Diethyl Ether
Concen: 52.136 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.9	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.714 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

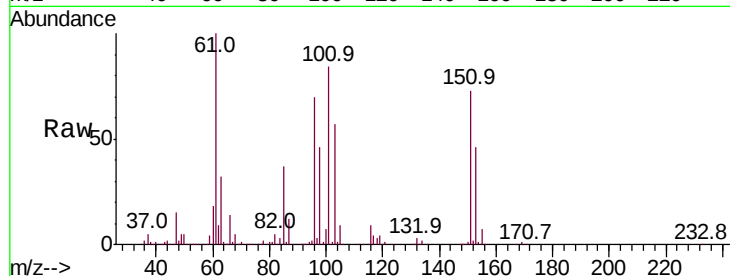
ClientSampleId :

ICVVX061919

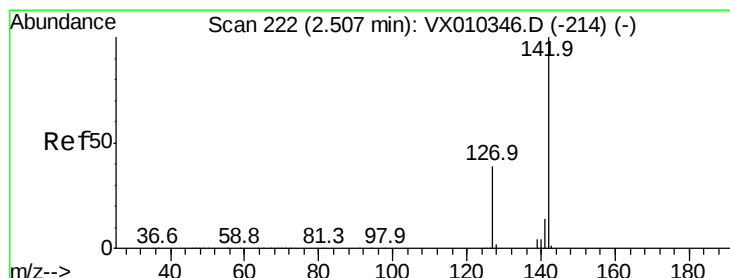
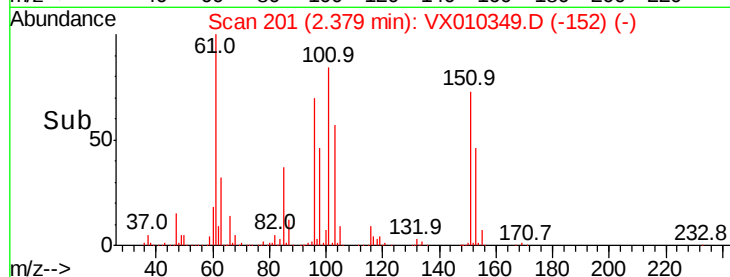
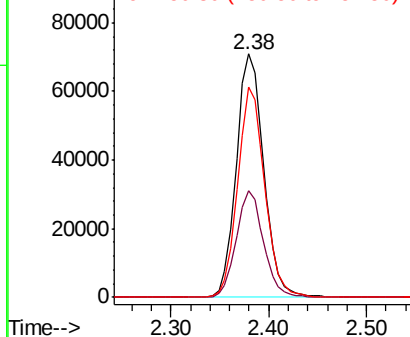
Tot Ion:	101	Resp:	138012
Ion Ratio	Lower	Upper	
101	100		
85	43.6	33.7	50.5
151	84.9	70.1	105.1

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.027 ug/l

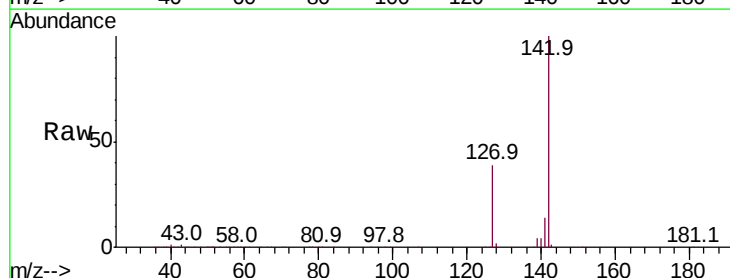
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

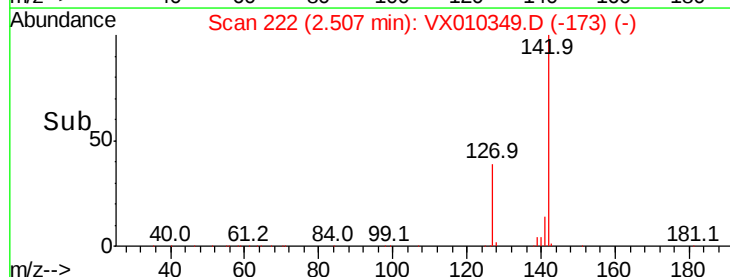
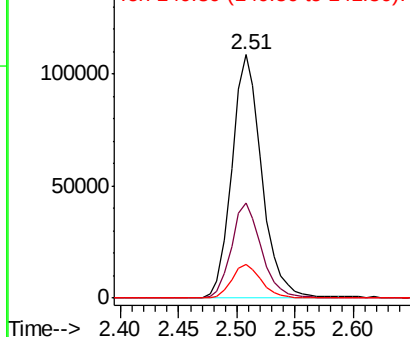
Lab File: VX010349.D

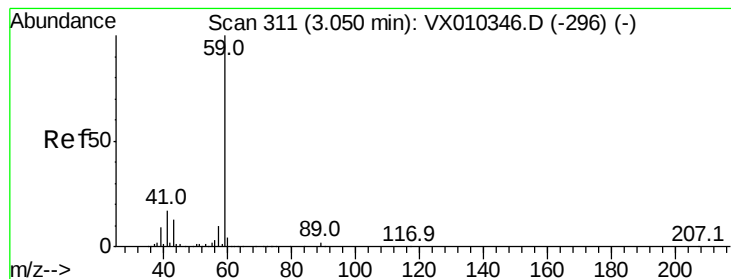
Acq: 19 Jun 2019 15:39

Tgt Ion:	142	Resp:	194242
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.1	46.7
141	14.1	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

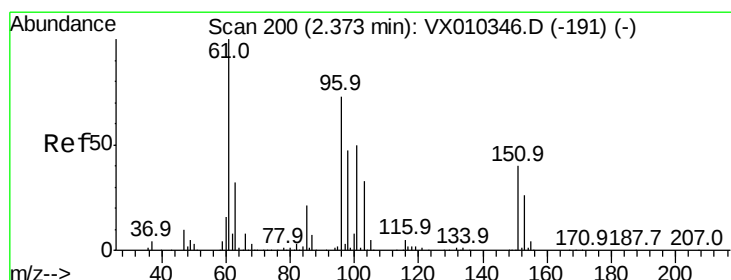
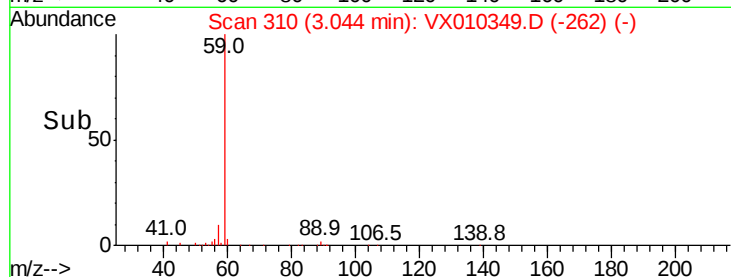
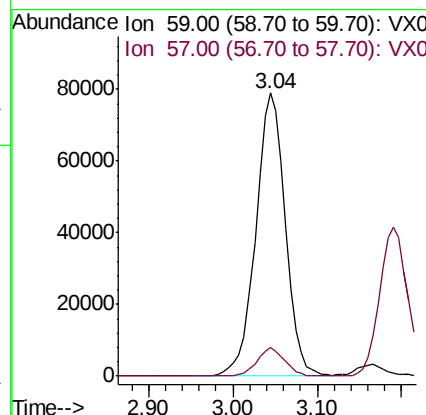
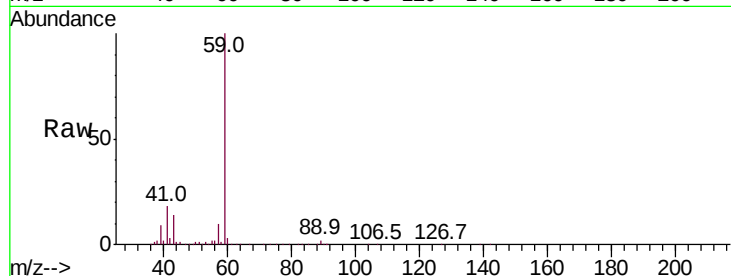
Tert butyl alcohol
Concen: 237.439 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	59	Resp	189850
Ion Ratio	100	Lower	Upper
57	9.5	7.7	11.5

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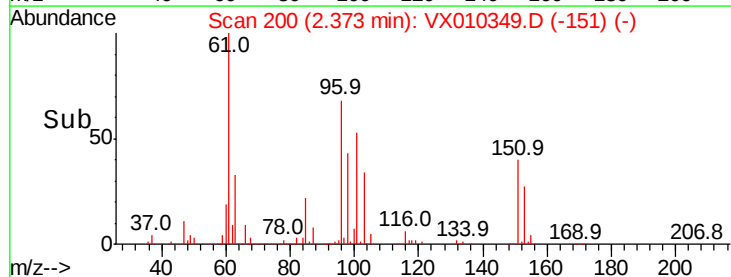
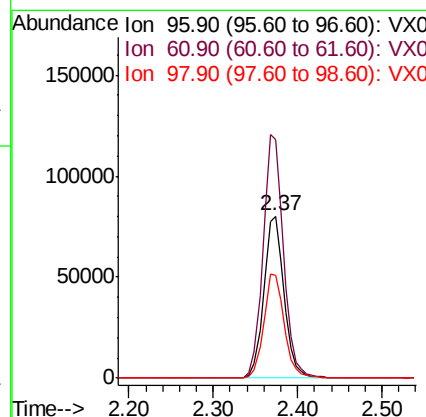
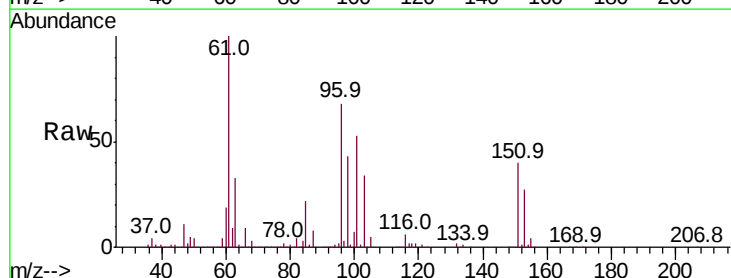
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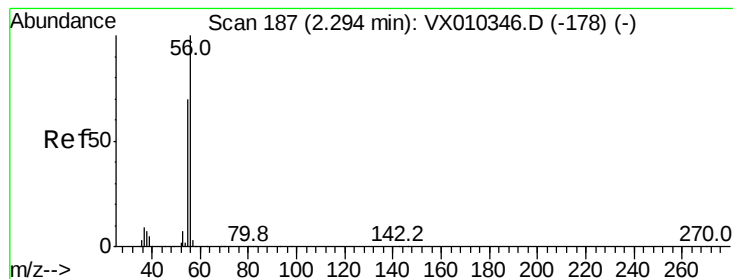


#12

1,1-Dichloroethene
Concen: 47.063 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	96	Resp	132947
Ion Ratio	100	Lower	Upper
61	147.0	109.2	163.8
98	63.1	51.1	76.7





#13

Acrolein

Concen: 220.676 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion: 56 Resp: 117050

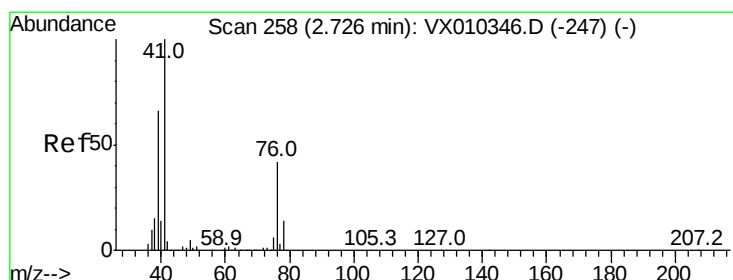
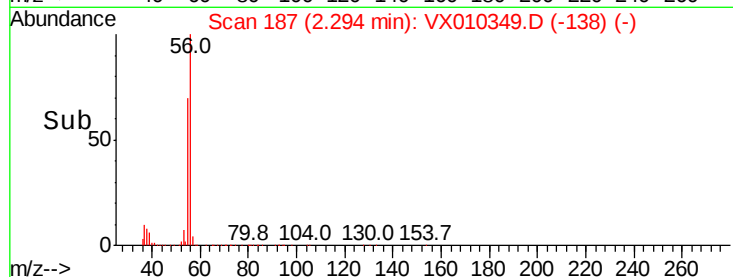
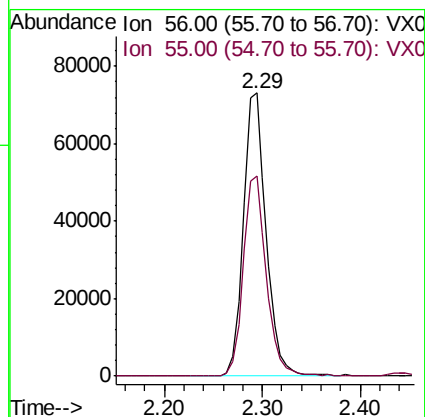
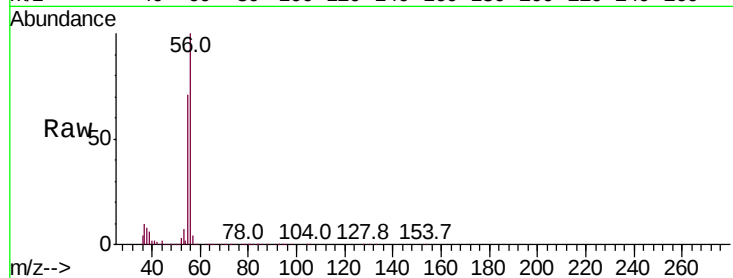
Ion Ratio Lower Upper

56 100

55 72.1 56.9 85.3

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#14

Allyl chloride

Concen: 53.115 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

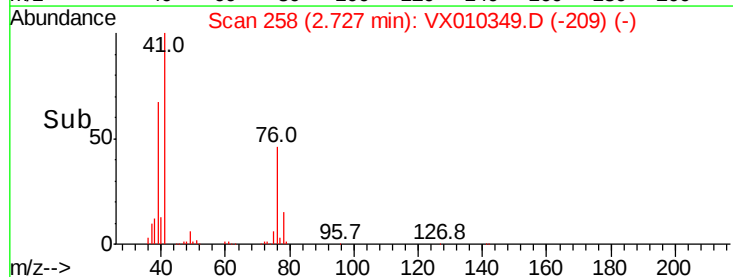
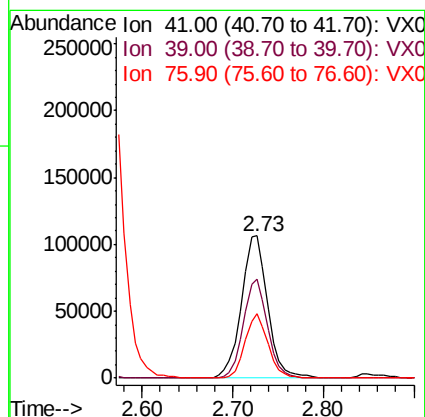
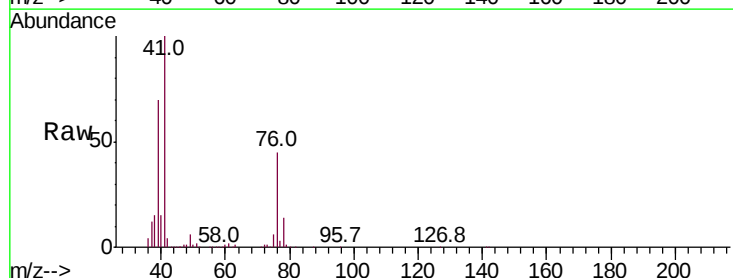
Tgt Ion: 41 Resp: 213017

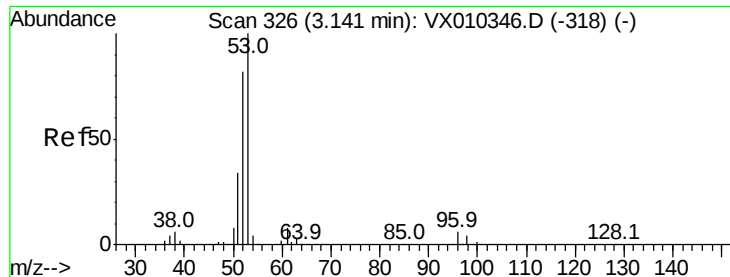
Ion Ratio Lower Upper

41 100

39 64.1 50.3 75.5

76 39.6 31.3 46.9





#15

Acrylonitrile

Concen: 249.907 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

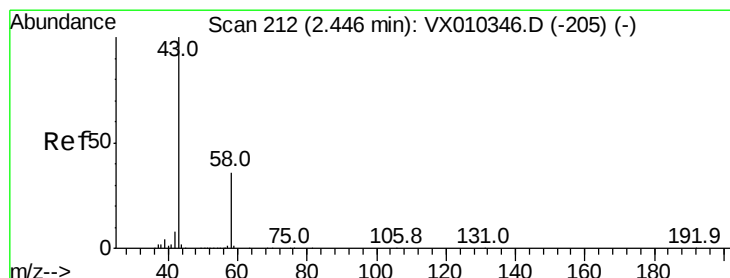
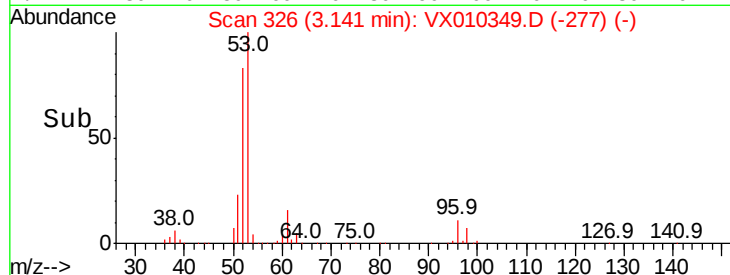
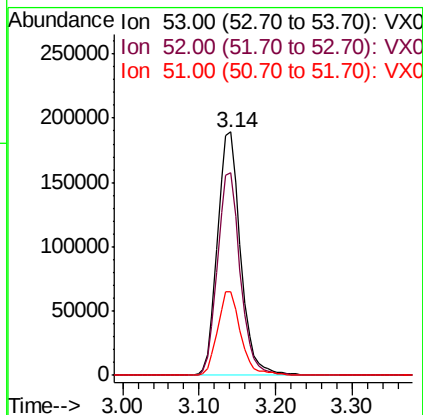
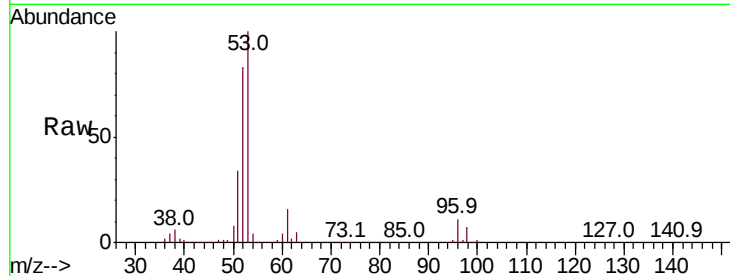
ClientSampleId :

ICVVX061919

Tot Ion:	53	Resp:	395618
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.5	98.3
51	34.5	28.2	42.4

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#16

Acetone

Concen: 253.603 ug/l

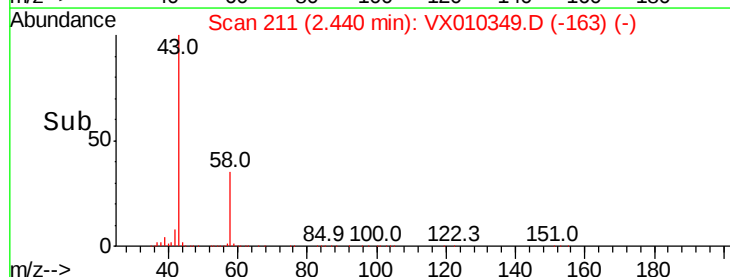
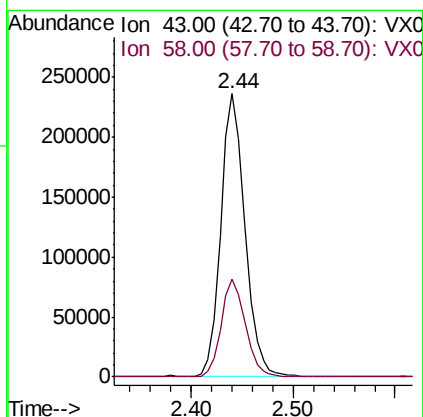
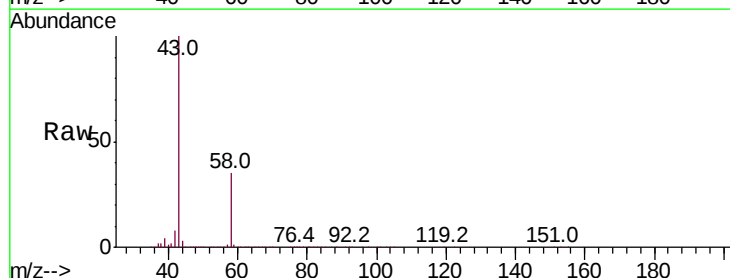
RT: 2.44 min Scan# 211

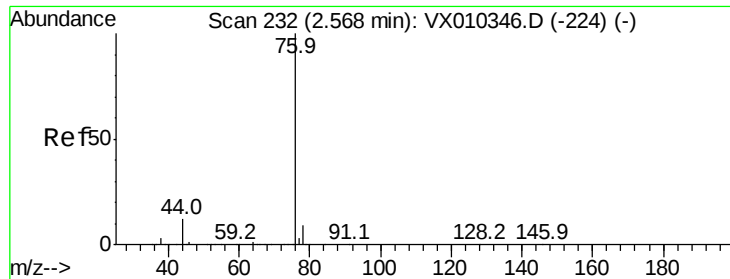
Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Tgt Ion:	43	Resp:	388371
Ion Ratio	Lower	Upper	
43	100		
58	34.6	28.9	43.3





#17

Carbon Disulfide

Concen: 52.768 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion: 76 Resp: 399915

Ion Ratio Lower Upper

76 100

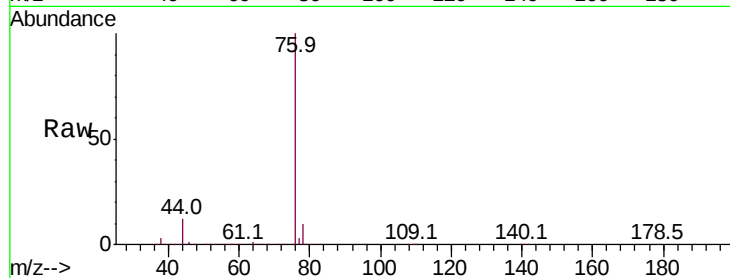
78 9.5 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

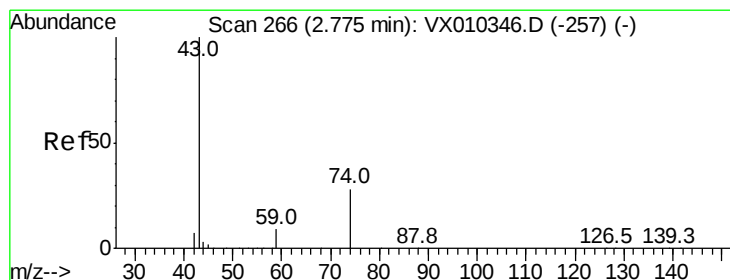
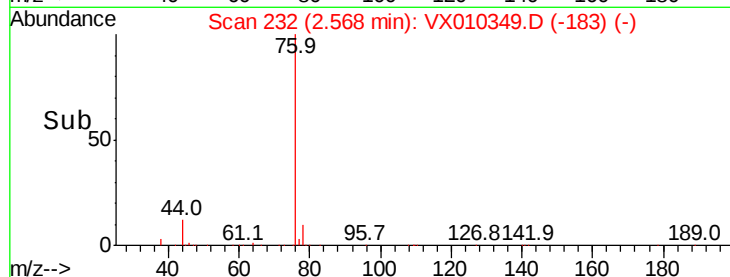
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 49.474 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010349.D

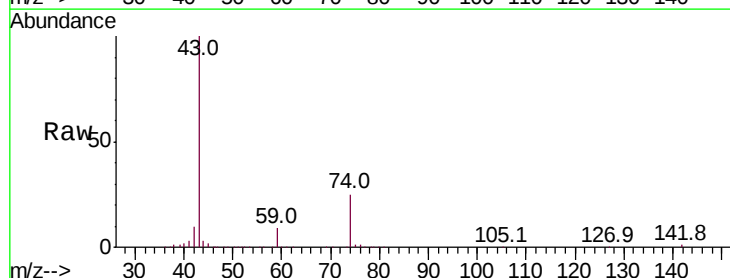
Acq: 19 Jun 2019 15:39

Tgt Ion: 43 Resp: 151004

Ion Ratio Lower Upper

43 100

74 27.0 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

60000

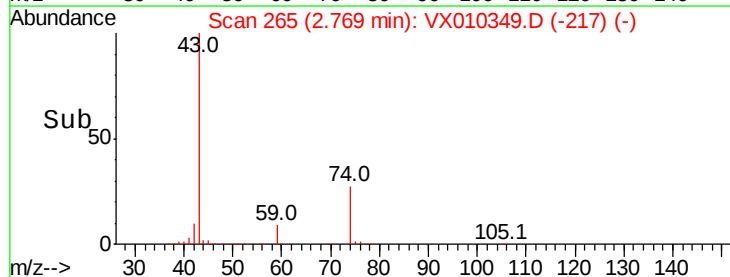
40000

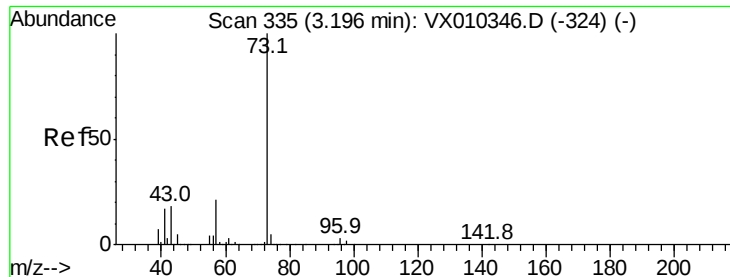
20000

0

2.70 2.75 2.80 2.85

Time-->





#19

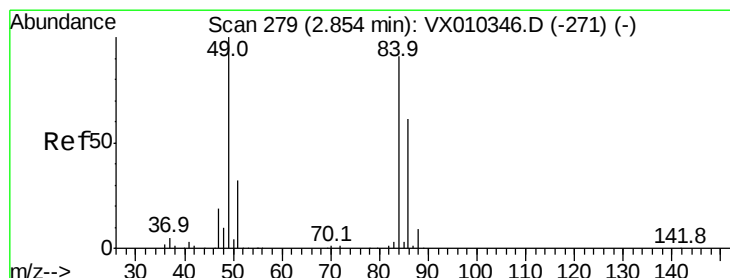
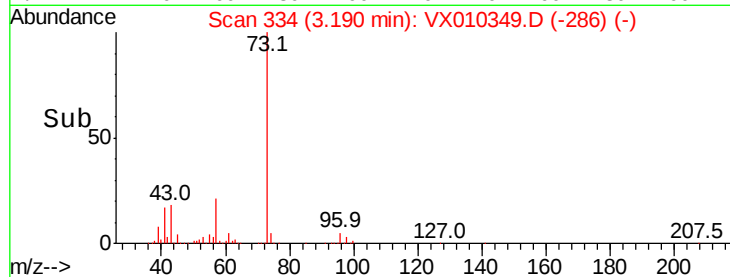
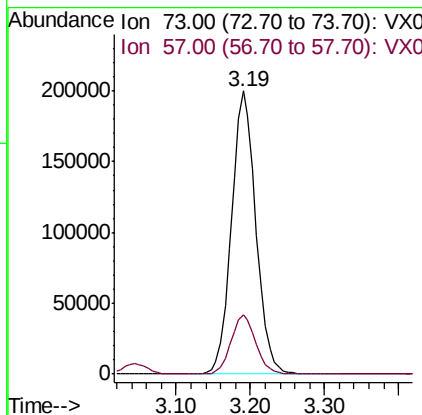
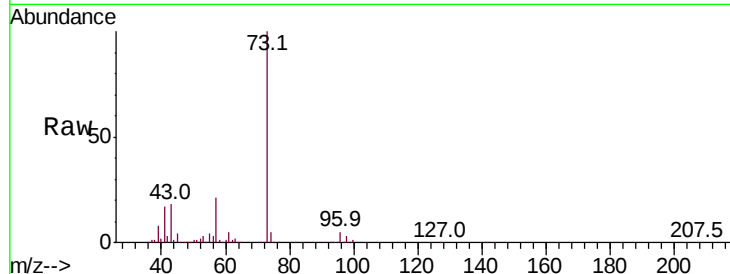
Methyl tert-butyl Ether
 Concen: 51.429 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010349.D
 Acq: 19 Jun 2019 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061919

Tot Ion: 73 Resp: 457040
 Ion Ratio Lower Upper
 73 100
 57 20.8 16.4 24.6

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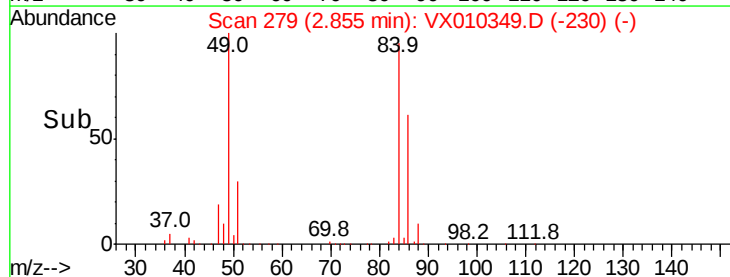
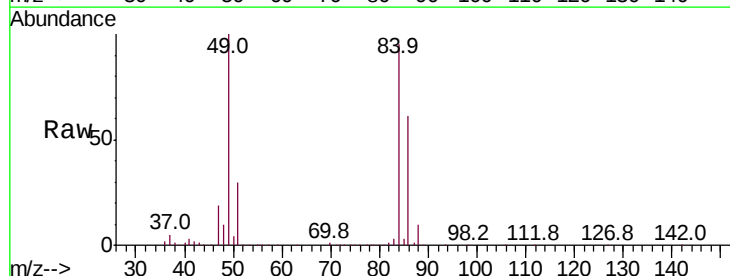
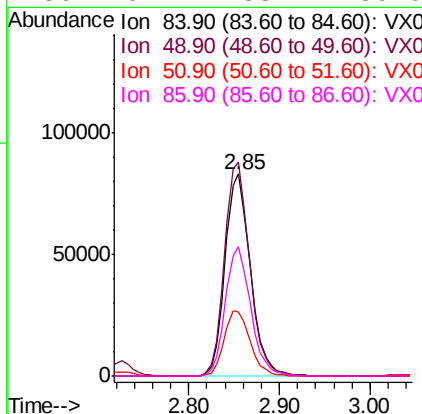
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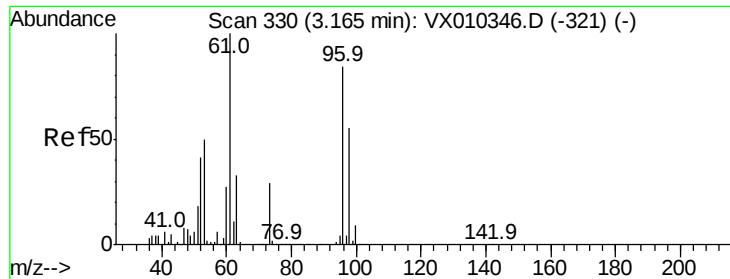


#20

Methylene Chloride
 Concen: 51.236 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010349.D
 Acq: 19 Jun 2019 15:39

Tgt Ion: 84 Resp: 161473
 Ion Ratio Lower Upper
 84 100
 49 105.8 87.5 131.3
 51 32.0 27.7 41.5
 86 64.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 51.701 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

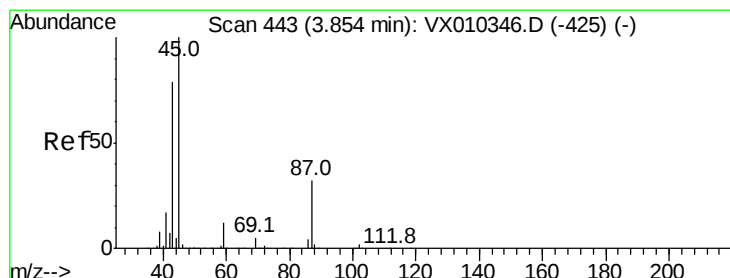
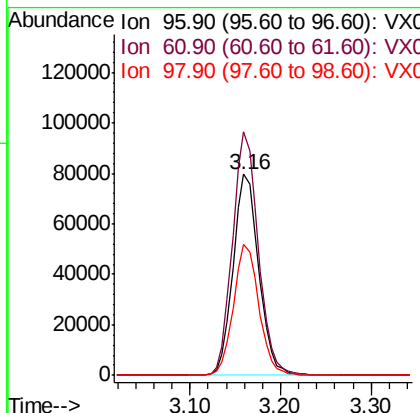
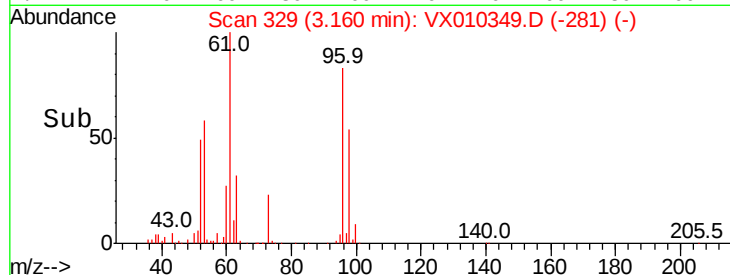
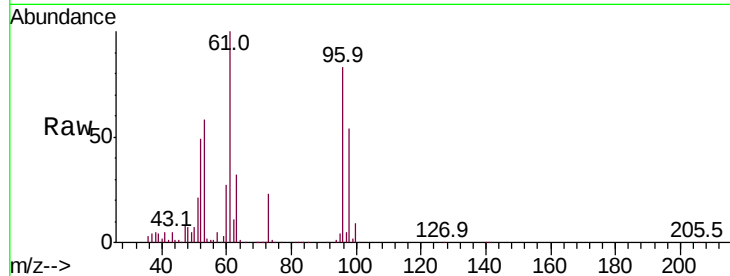
ClientSampleId :

ICVVX061919

Tot Ion:	96	Resp:	157076
Ion	Ratio	Lower	Upper
96	100		
61	121.1	95.6	143.4
98	65.2	52.5	78.7

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#22

Diisopropyl ether

Concen: 51.178 ug/l

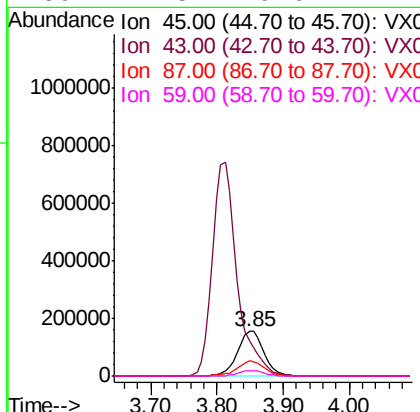
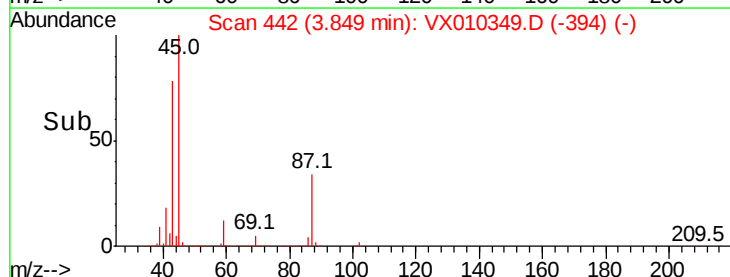
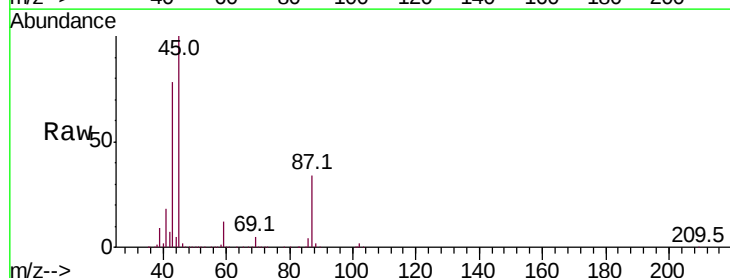
RT: 3.85 min Scan# 442

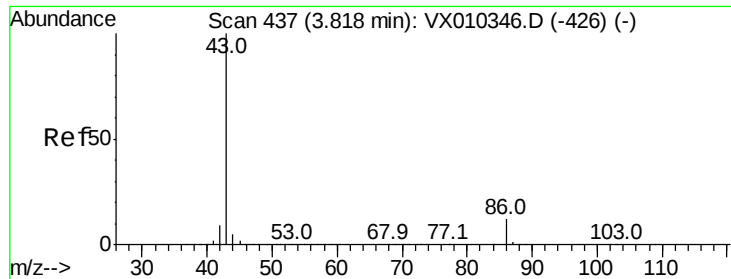
Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Tgt Ion:	45	Resp:	429130
Ion	Ratio	Lower	Upper
45	100		
43	77.8	63.3	94.9
87	33.9	25.8	38.8
59	12.5	9.6	14.4





#23

Vinyl Acetate

Concen: 266.297 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion: 43 Resp: 1929000

Ion Ratio Lower Upper

43 100

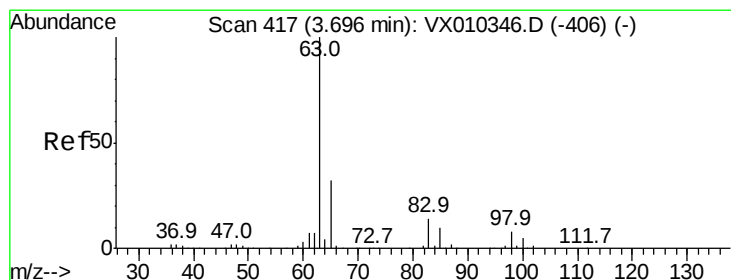
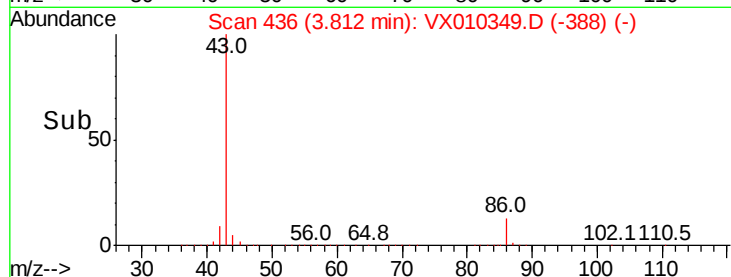
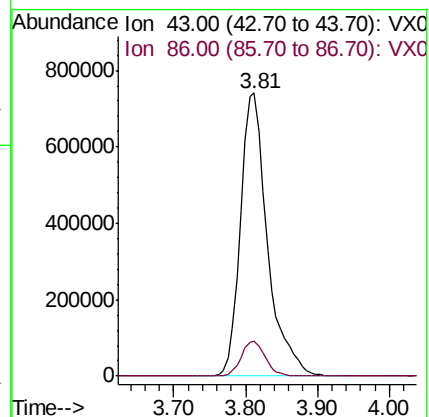
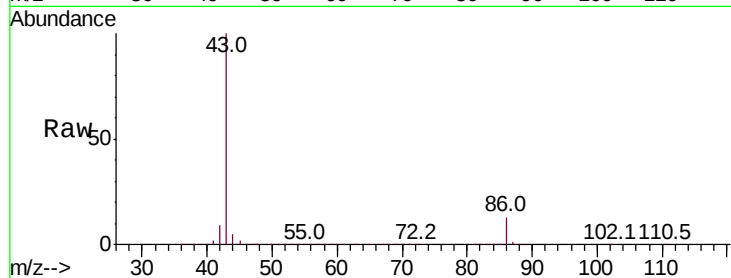
86 12.6 9.9 14.9

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#24

1,1-Dichloroethane

Concen: 51.834 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

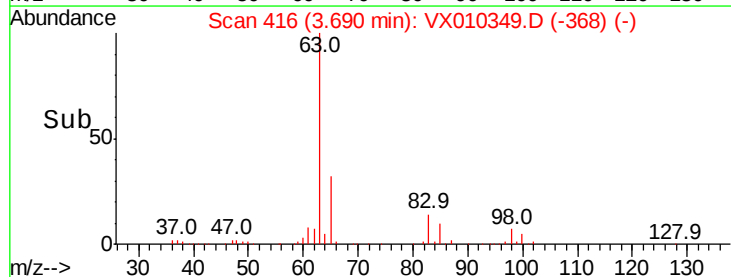
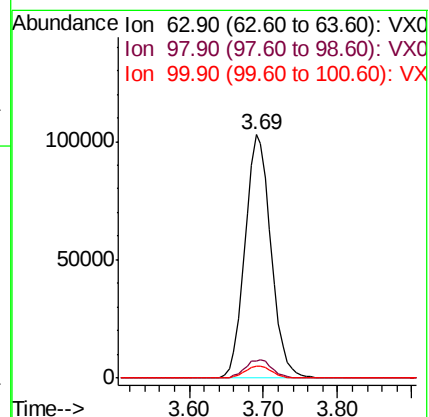
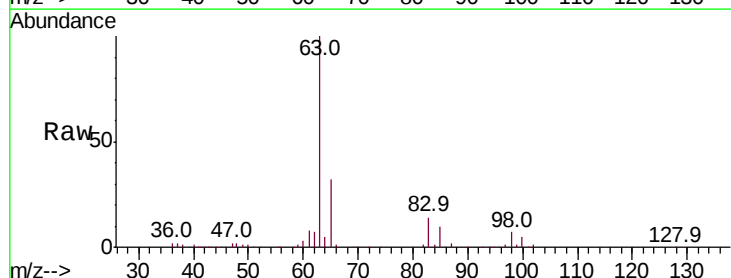
Tgt Ion: 63 Resp: 251231

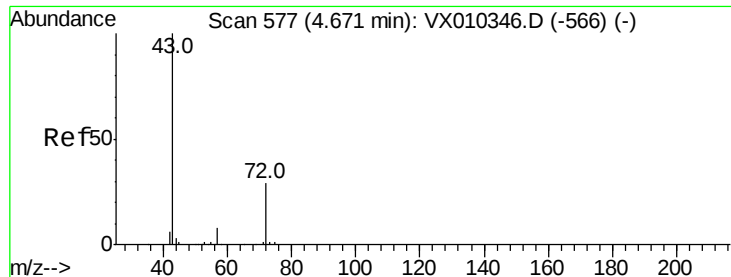
Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.7

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 250.401 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion: 43 Resp: 562499

Ion Ratio Lower Upper

43 100

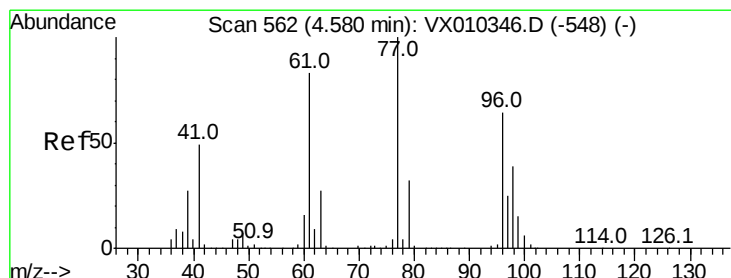
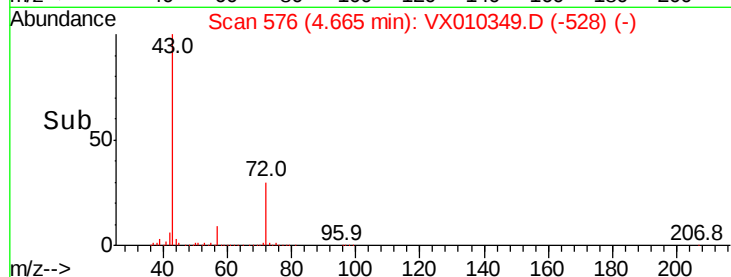
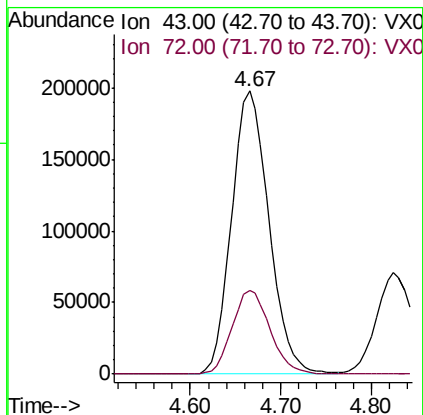
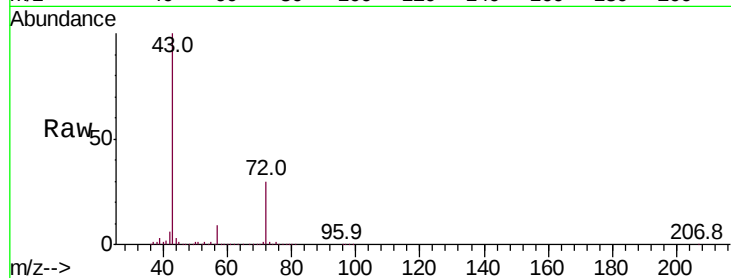
72 29.6 23.3 34.9

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#26

2,2-Dichloropropane

Concen: 54.031 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010349.D

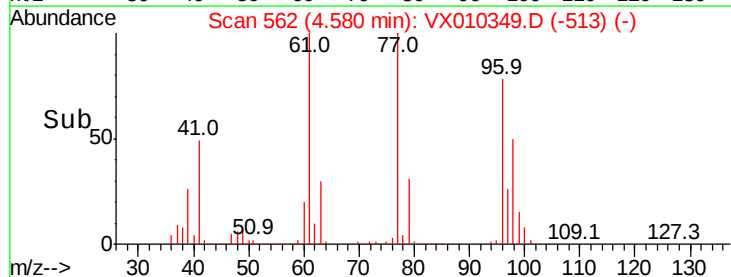
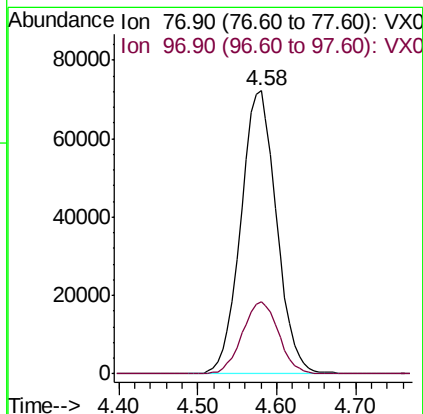
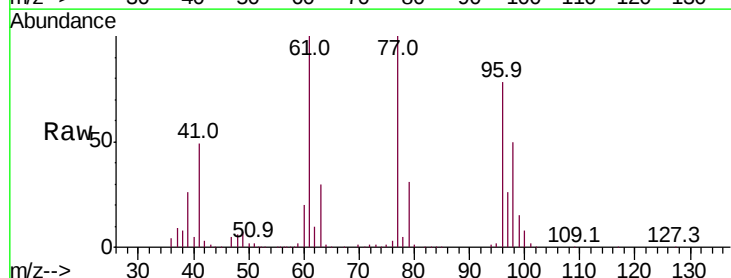
Acq: 19 Jun 2019 15:39

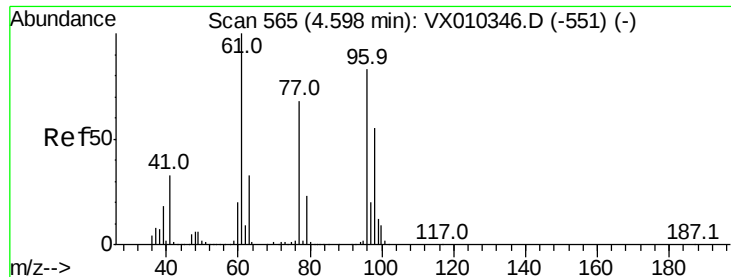
Tgt Ion: 77 Resp: 227495

Ion Ratio Lower Upper

77 100

97 26.0 13.1 39.3





#27

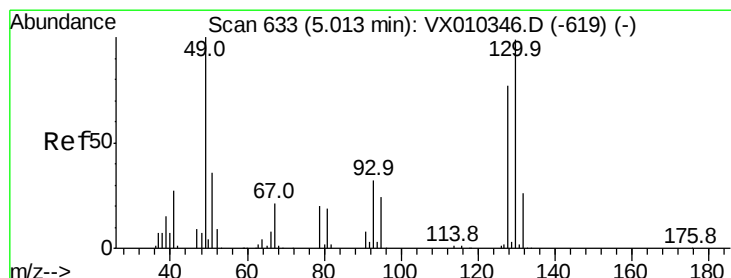
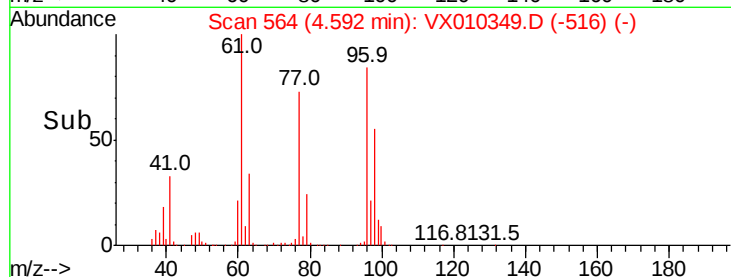
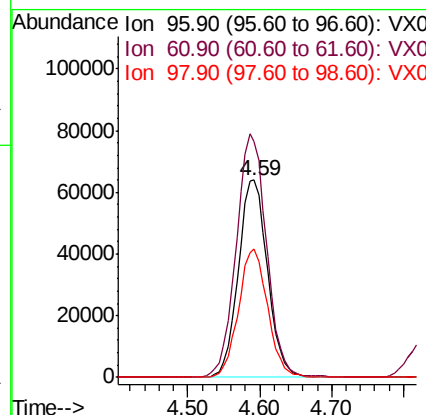
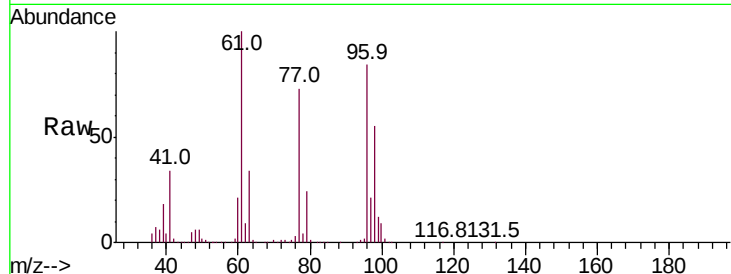
cis-1,2-Dichloroethene
Concen: 51.361 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	Ratio	Resp	Lower	Upper
96	100	180321		
61	128.0	0.0	251.8	
98	64.7	0.0	129.4	

Manual Integrations
APPROVED

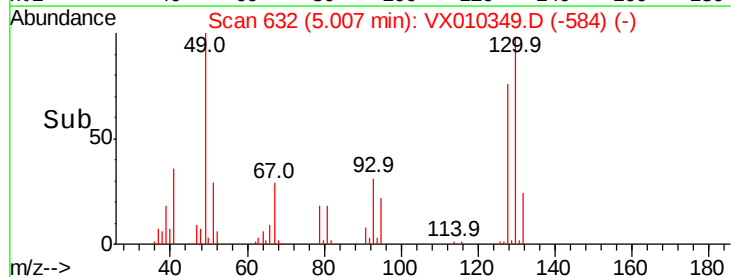
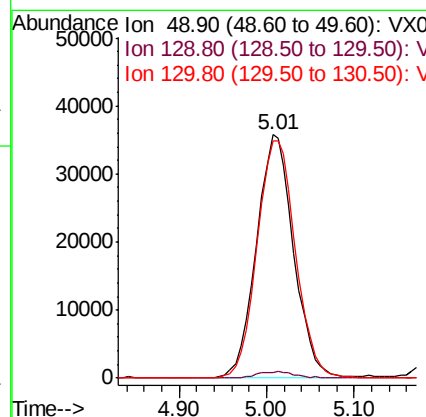
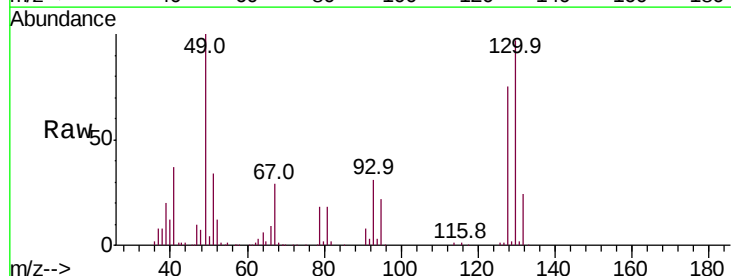
MMDadoda
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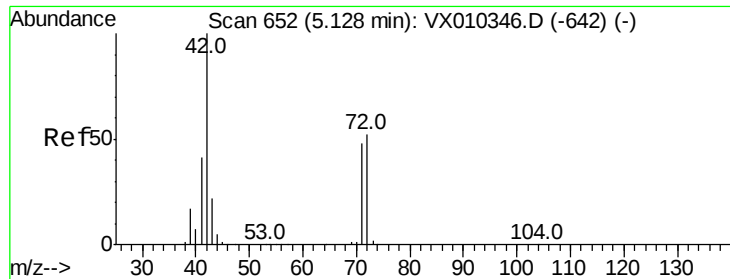


#28

Bromochloromethane
Concen: 45.674 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	105843		
129	2.8	0.0	5.6	
130	100.5	81.4	122.0	





#29

Tetrahydrofuran

Concen: 243.252 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

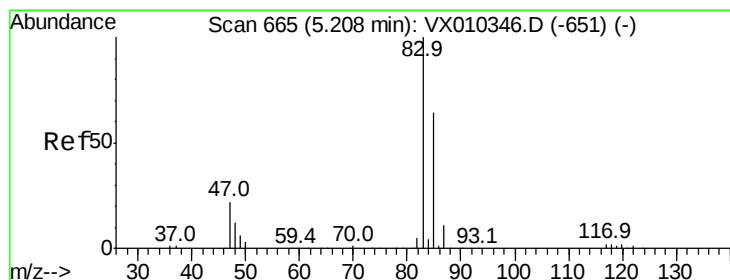
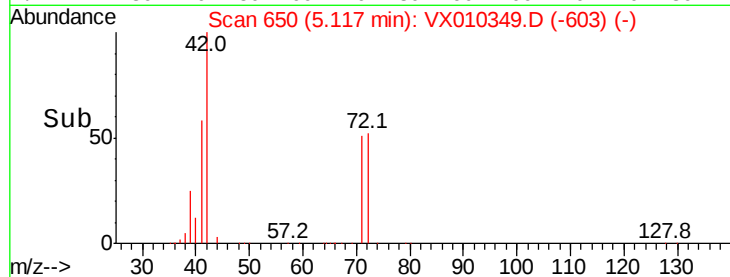
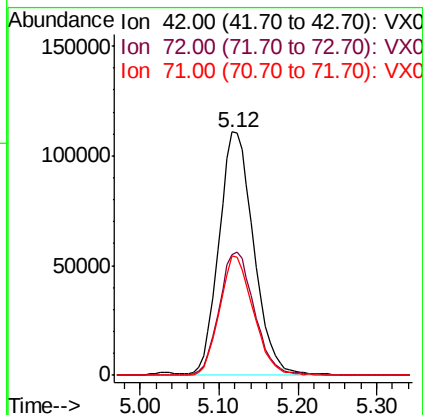
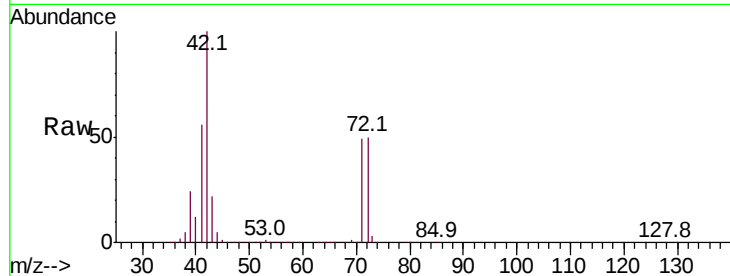
ClientSampleId :

ICVVX061919

Tot Ion:	42	Resp:	338468
Ion Ratio	Lower	Upper	
42	100		
72	51.8	40.6	60.8
71	48.1	37.8	56.8

Manual Integrations
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#30

Chloroform

Concen: 51.183 ug/l

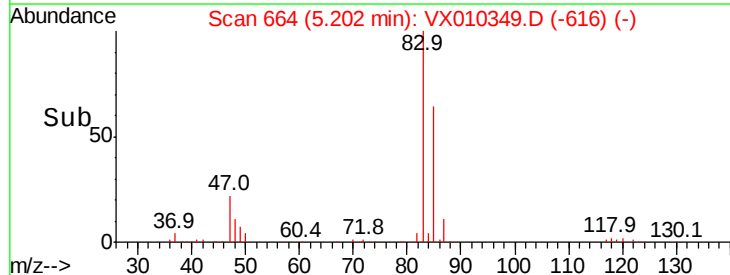
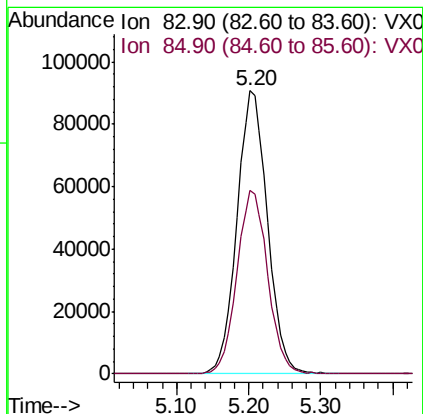
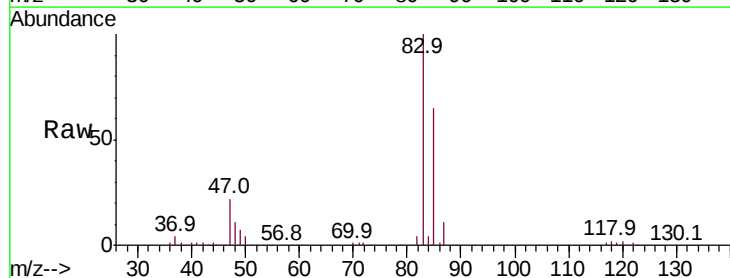
RT: 5.20 min Scan# 664

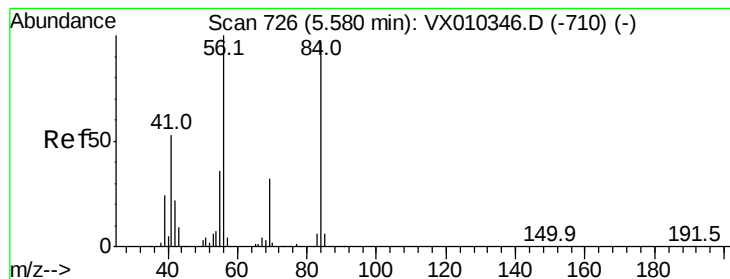
Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Tgt Ion:	83	Resp:	266917
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.9	76.3





#31

Cyclohexane

Concen: 53.972 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion: 56 Resp: 238219

Ion Ratio Lower Upper

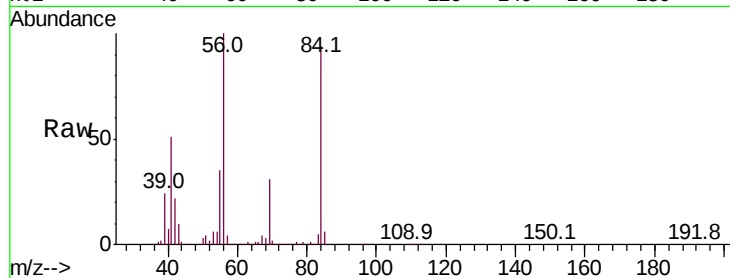
56 100

69 30.6 25.9 38.9

84 92.5 78.0 117.0

Manual Integrations
APPROVED

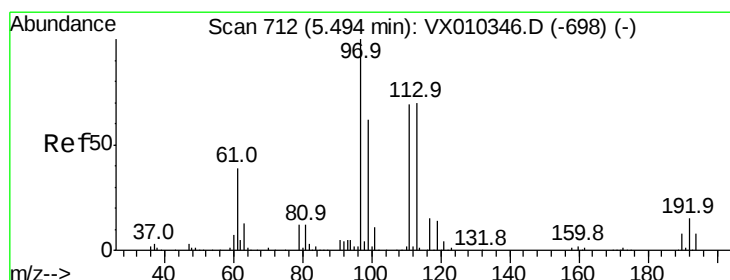
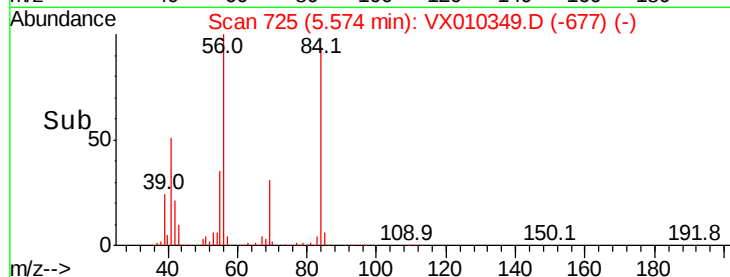
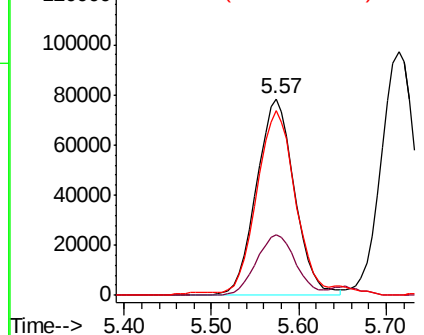
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 52.474 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

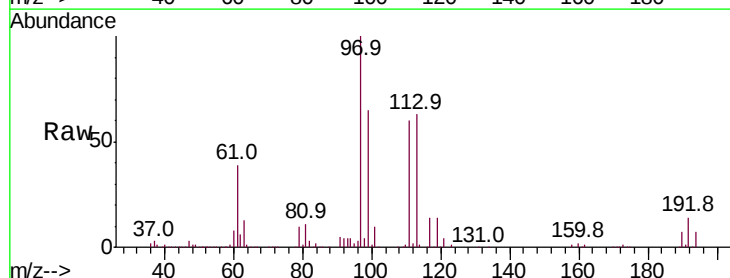
Tgt Ion: 97 Resp: 241632

Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.8

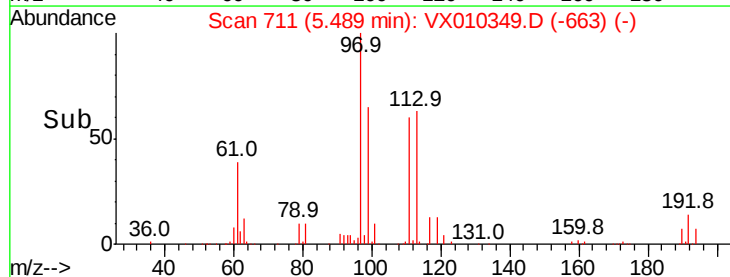
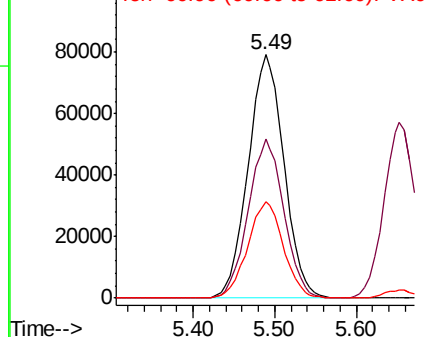
61 39.5 32.1 48.1

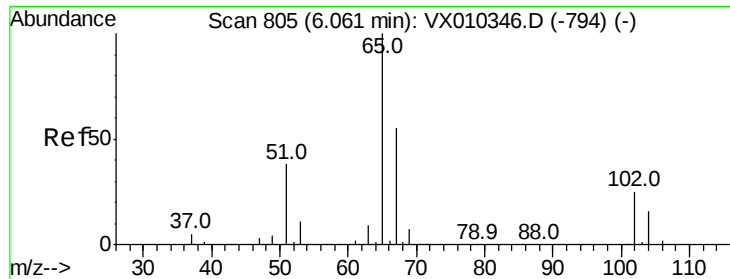


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.699 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142697		
67	54.2	0.0	110.2	

Instrument :

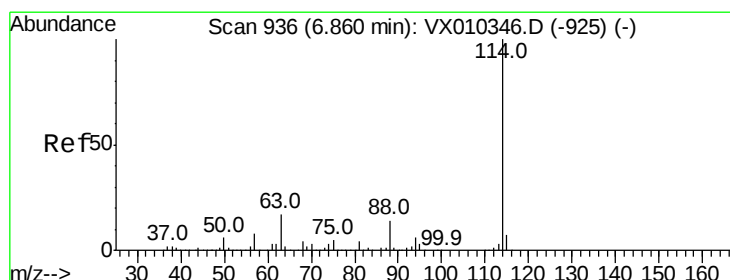
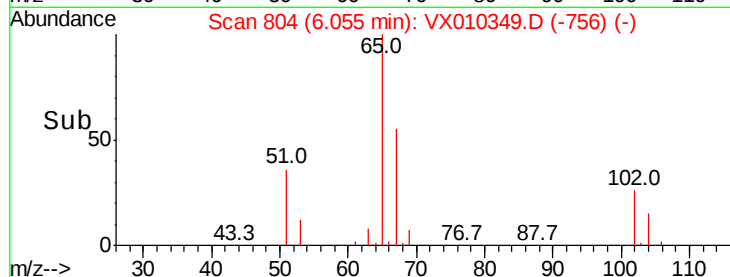
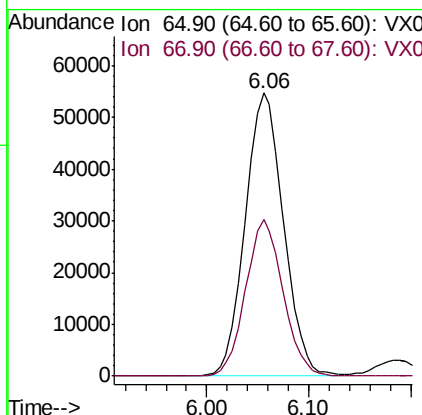
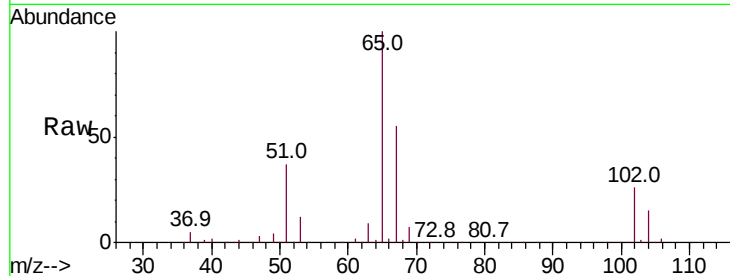
MSVOA_X

ClientSampleId :

ICVVX061919

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

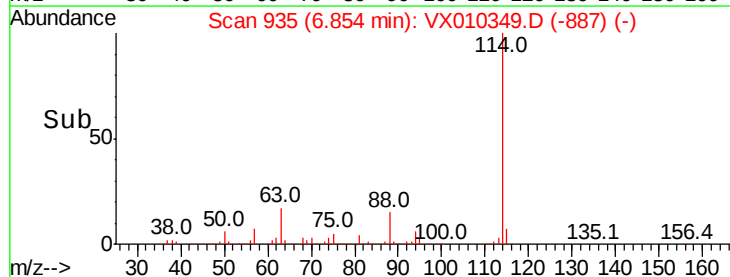
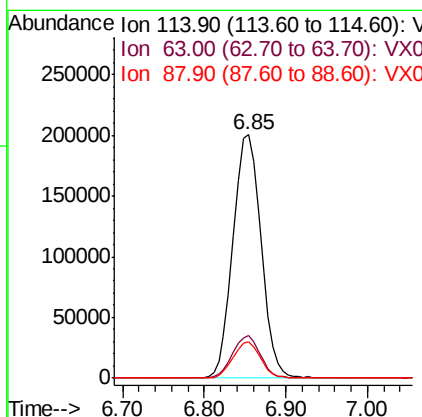
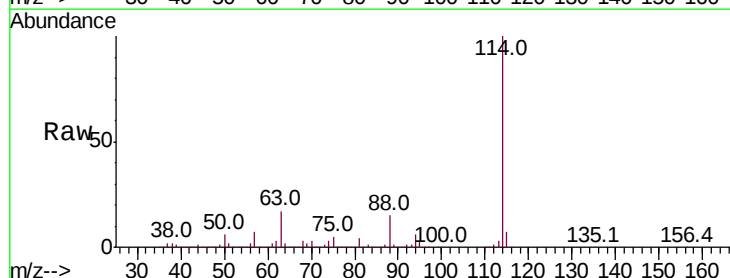
RT: 6.85 min Scan# 935

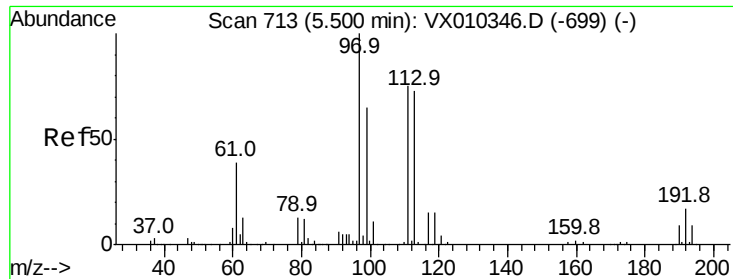
Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	477920		
63	17.4	0.0	33.8	
88	14.7	0.0	27.6	





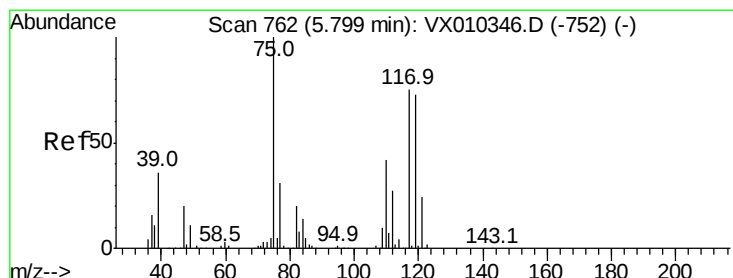
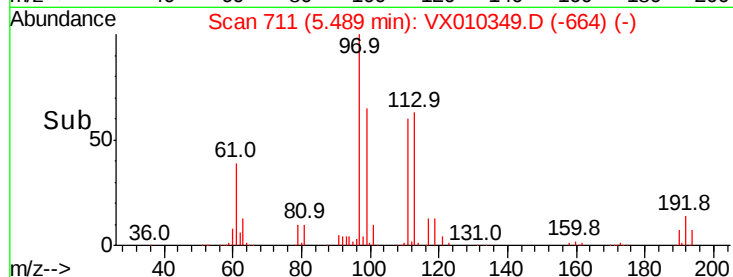
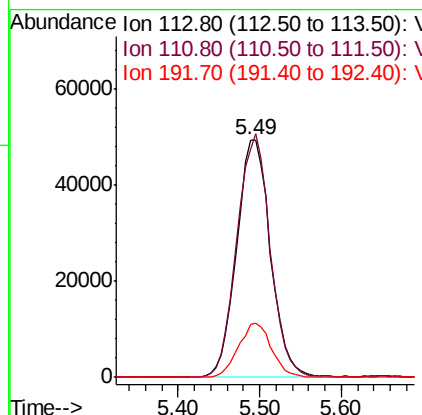
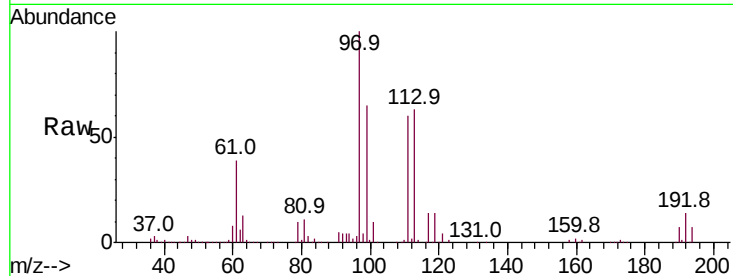
#35
Dibromofluoromethane
Concen: 48.751 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142551		
111	100.9	81.2	121.8	
192	22.6	18.6	27.8	

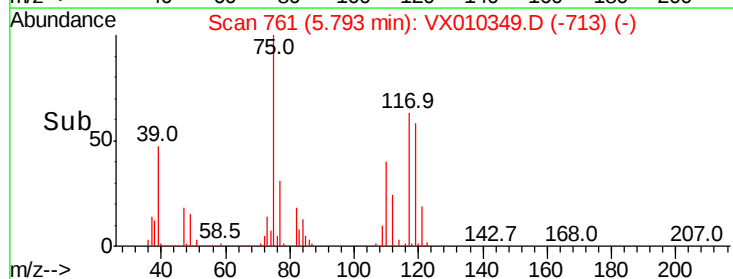
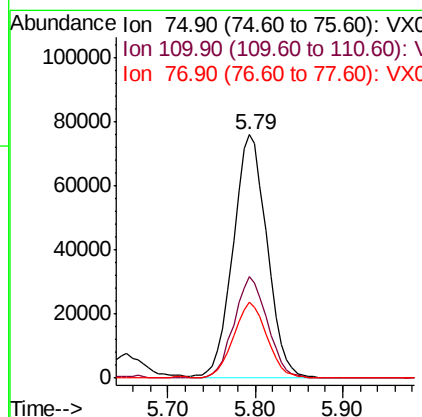
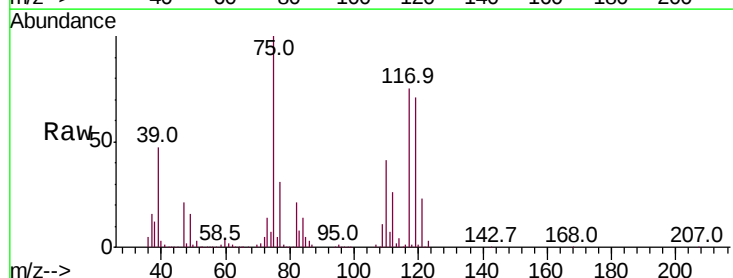
Manual Integrations
APPROVED

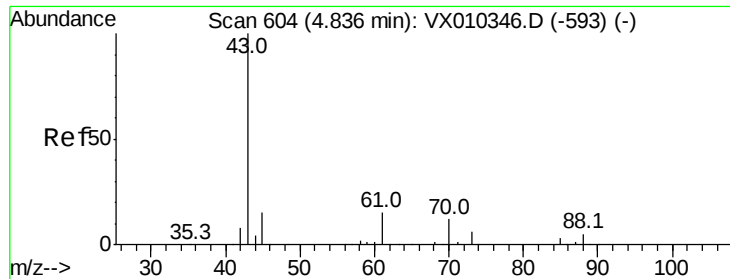
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#36
1,1-Dichloropropene
Concen: 53.473 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	203079		
110	41.3	20.8	62.2	
77	31.2	25.4	38.0	





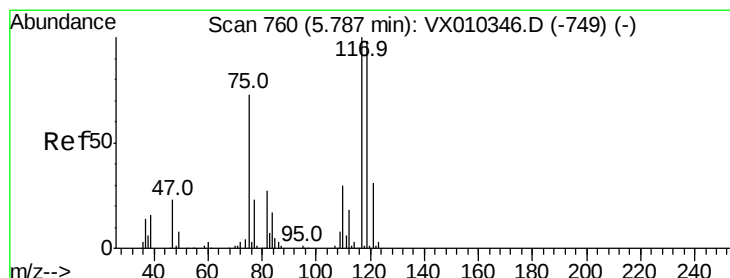
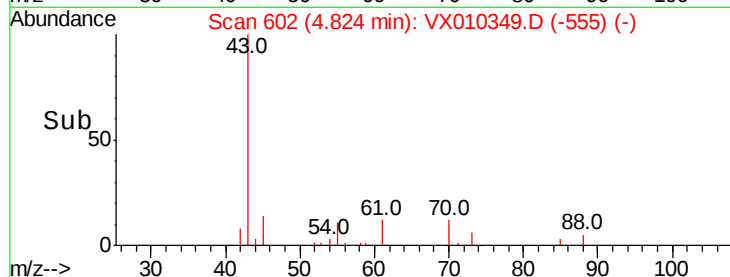
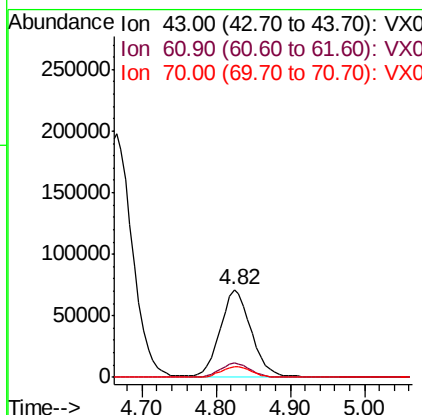
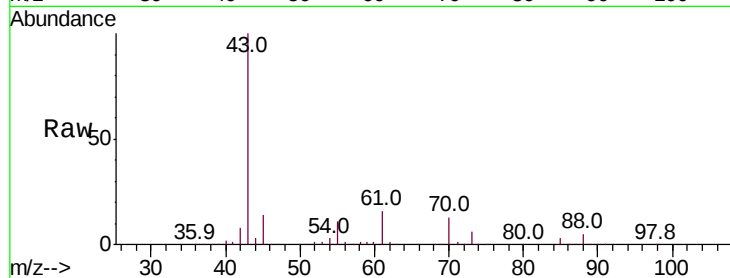
#37
Ethyl Acetate
Concen: 52.720 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.4	18.6
70	12.5	9.8	14.8

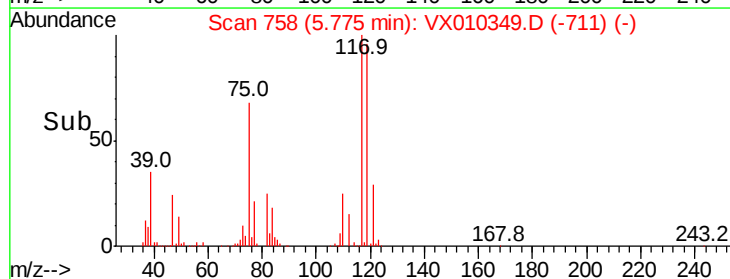
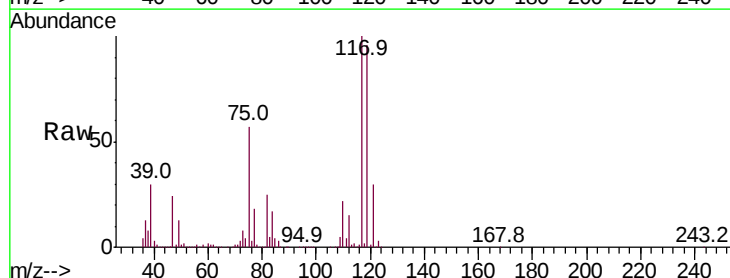
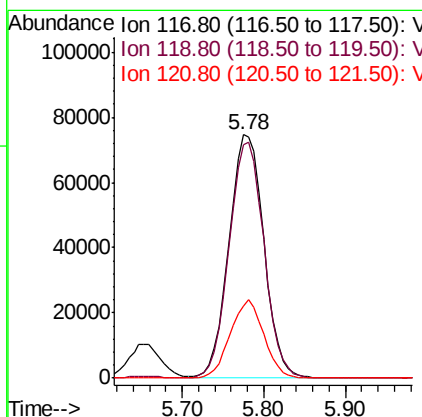
Manual Integrations
APPROVED

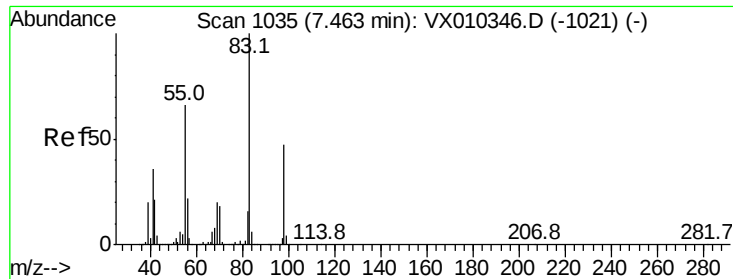
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.695 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.2	117.4
121	29.8	24.7	37.1





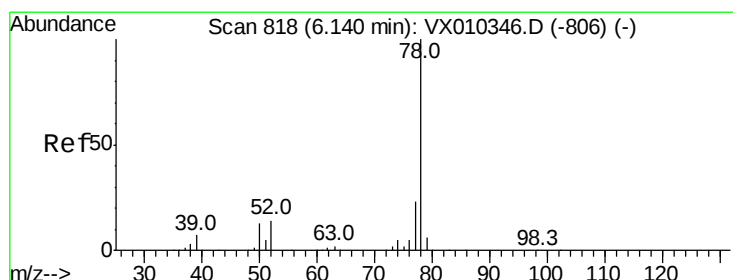
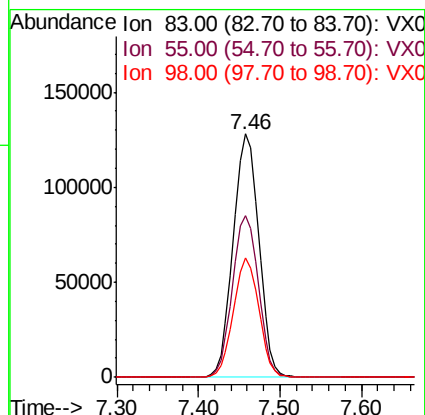
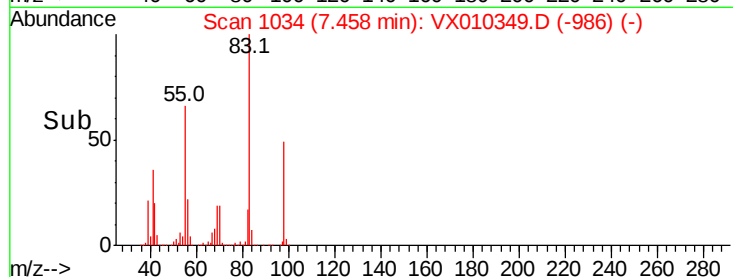
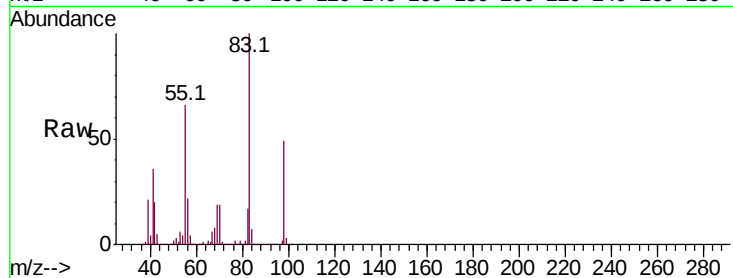
#39
Methvlcvclohexane
Concen: 55.684 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.4	53.0	79.6
98	49.0	37.8	56.8

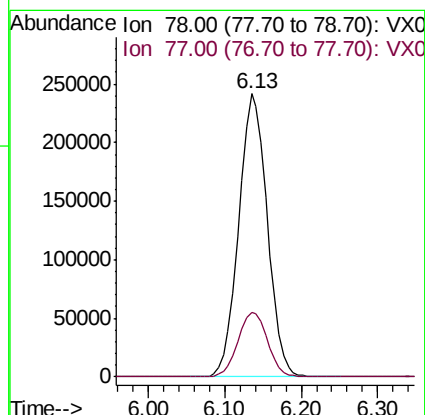
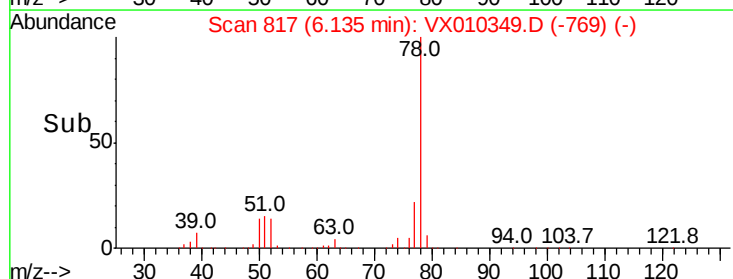
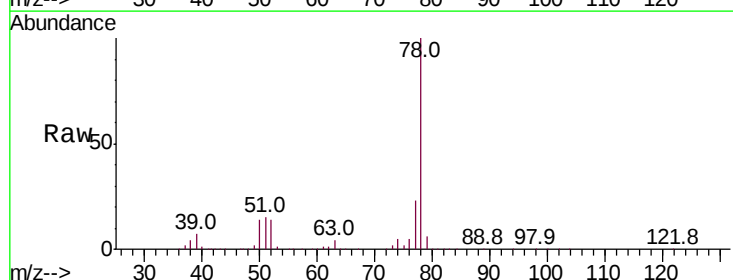
Manual Integrations
APPROVED

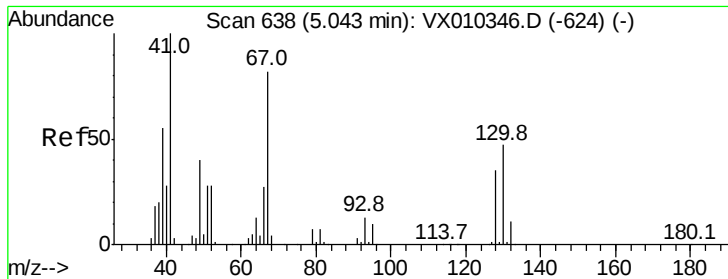
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#40
Benzene
Concen: 52.839 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.6	28.0





#41

Methacrylonitrile

Concen: 50.875 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion: 41 Resp: 109062

Ion Ratio Lower Upper

41 100

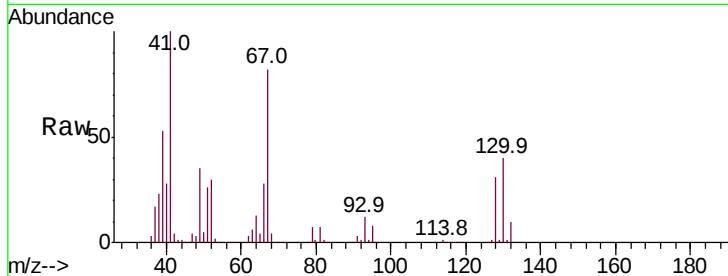
39 55.2 43.8 65.8

67 83.0 66.6 100.0

52 31.5 24.5 36.7

Manual Integrations
APPROVED

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6/20/2019 1:23:42 PM

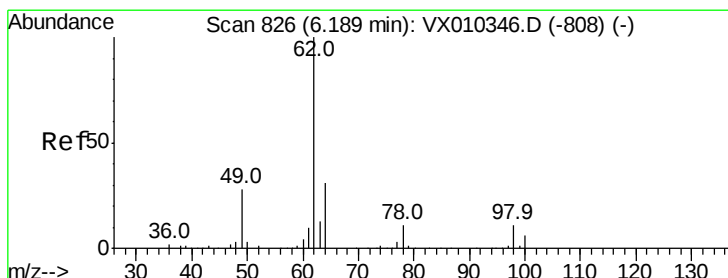
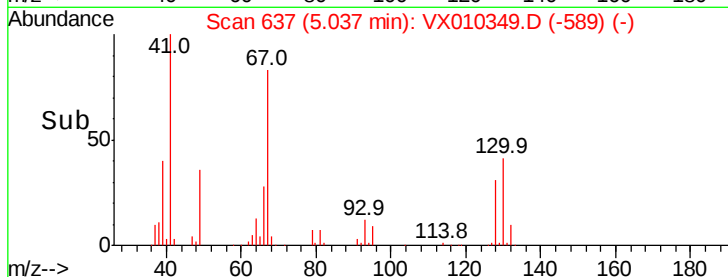
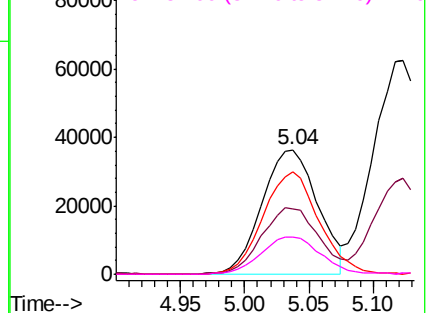


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 54.026 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX010349.D

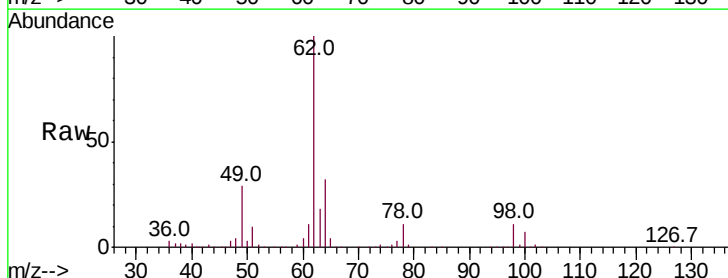
Acq: 19 Jun 2019 15:39

Tgt Ion: 62 Resp: 194585

Ion Ratio Lower Upper

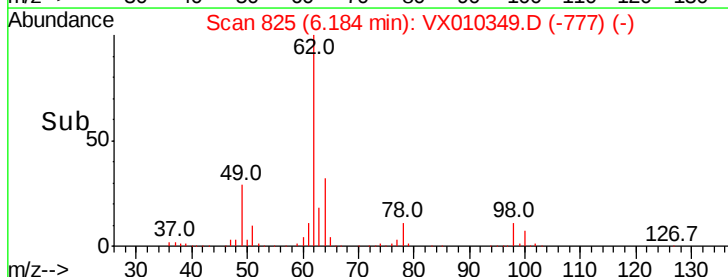
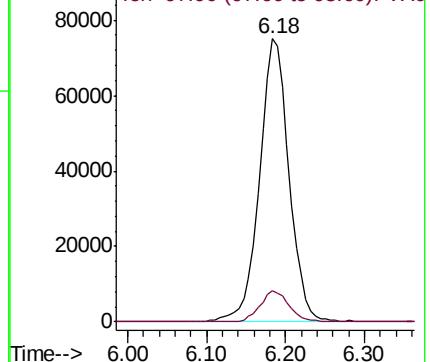
62 100

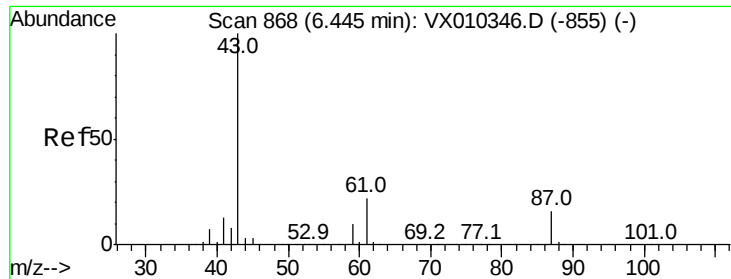
98 10.8 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.756 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

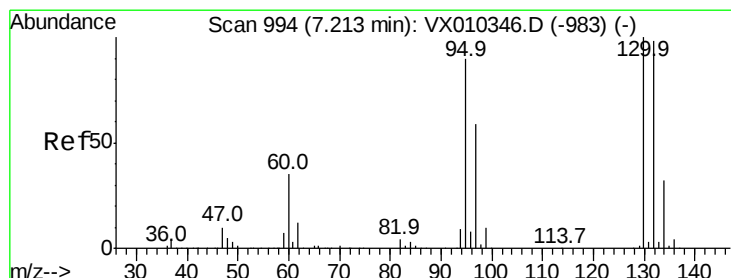
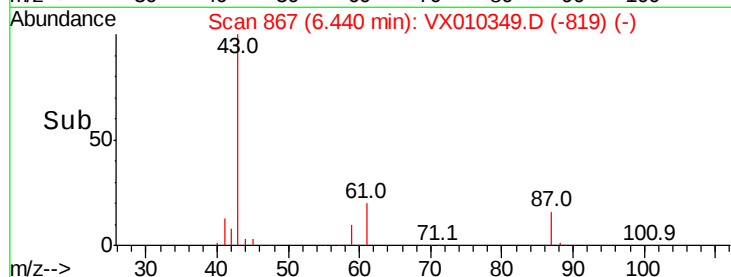
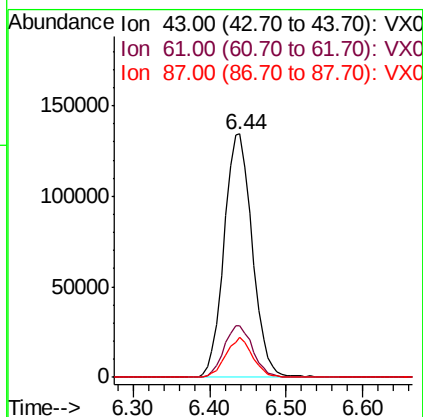
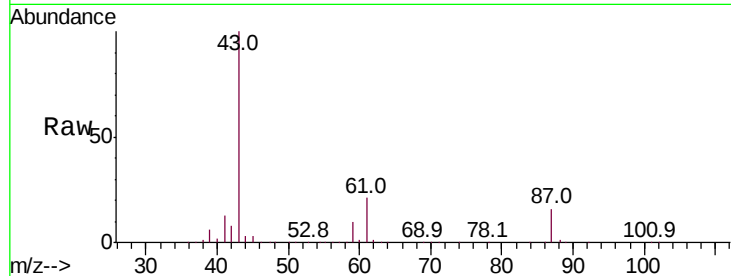
ClientSampleId :

ICVVX061919

Tot Ion:	43	Resp:	341022
Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.8	26.6
87	15.7	13.0	19.4

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#44

Trichloroethene

Concen: 53.329 ug/l

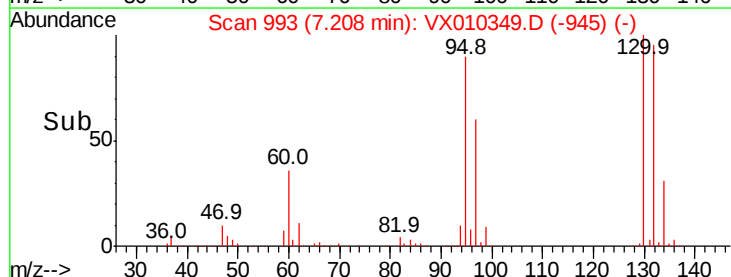
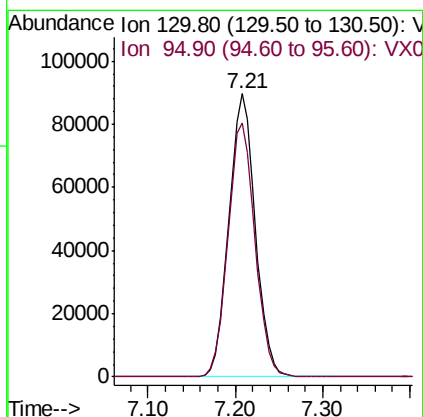
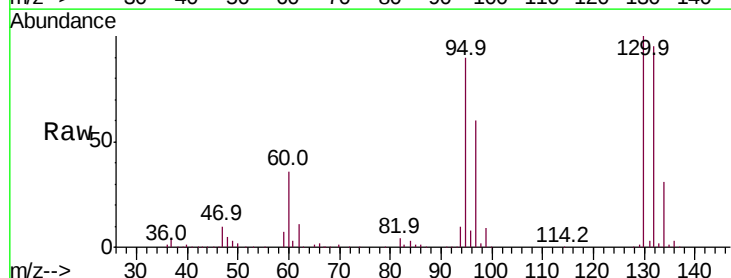
RT: 7.21 min Scan# 993

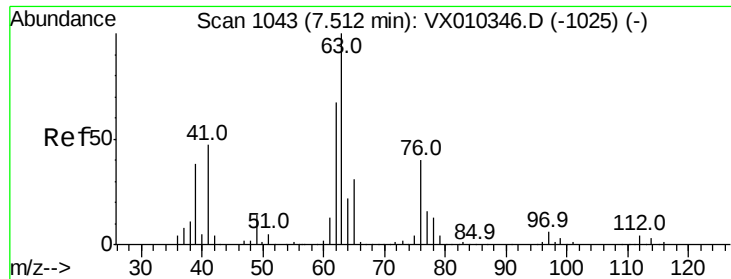
Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Tgt Ion:	130	Resp:	188809
Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	180.8





#45

1,2-Dichloropropane

Concen: 51.816 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion: 63 Resp: 154822

Ion Ratio Lower Upper

63 100

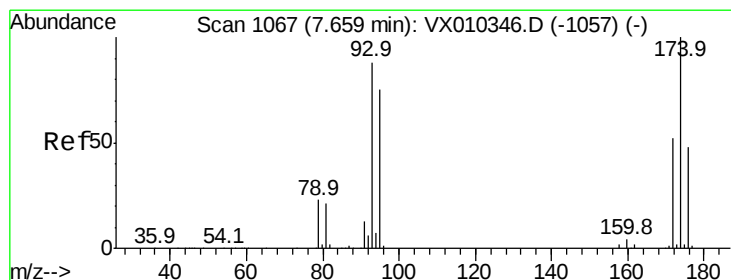
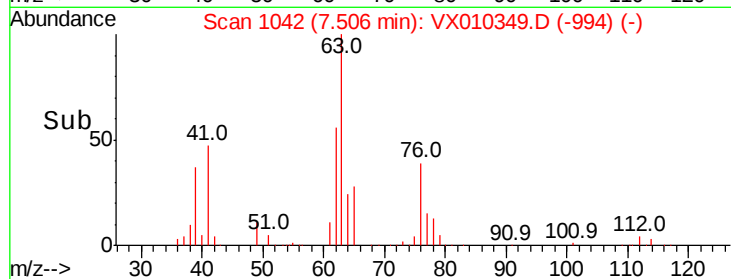
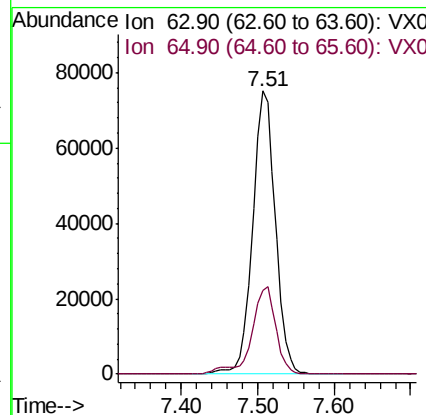
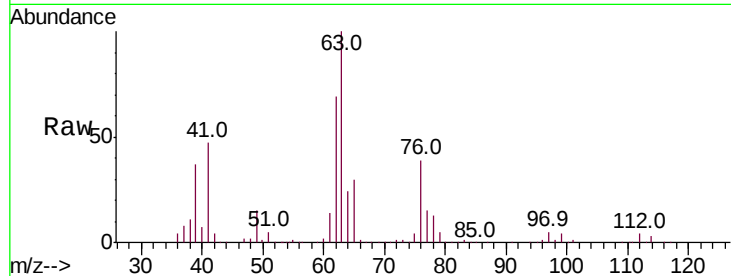
65 29.7 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 52.120 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

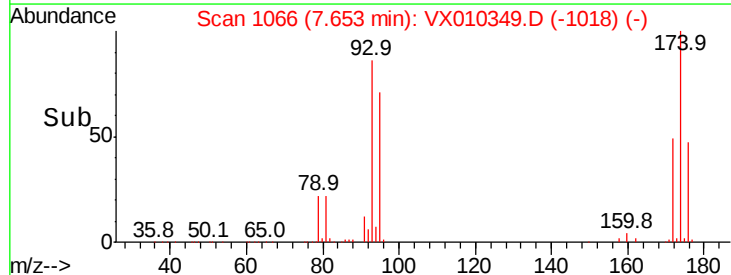
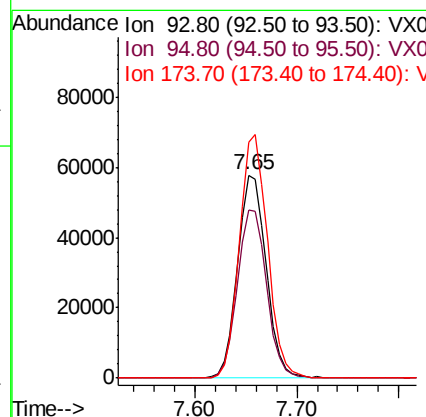
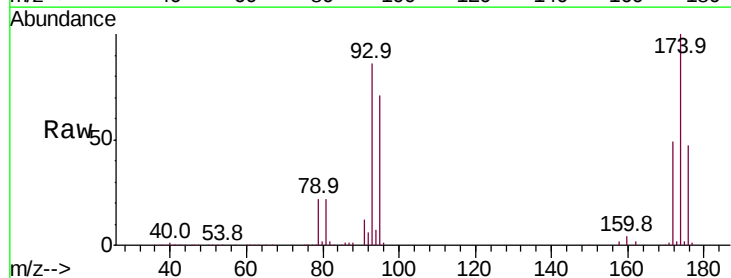
Tgt Ion: 93 Resp: 111732

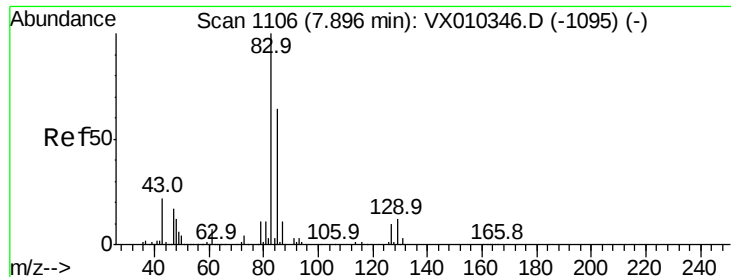
Ion Ratio Lower Upper

93 100

95 85.2 67.5 101.3

174 118.8 95.8 143.6





#47

Bromodichloromethane

Concen: 53.867 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

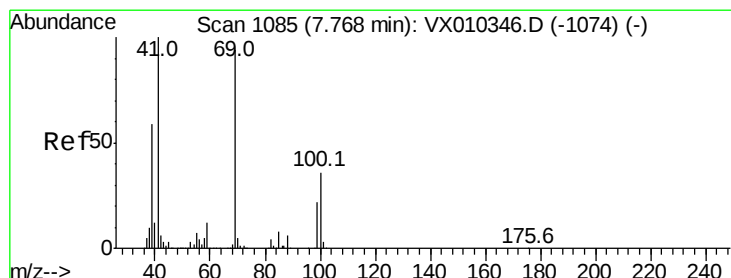
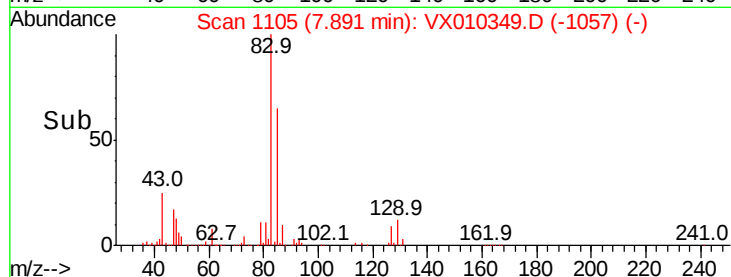
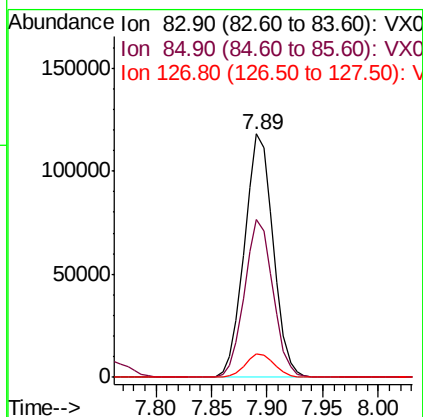
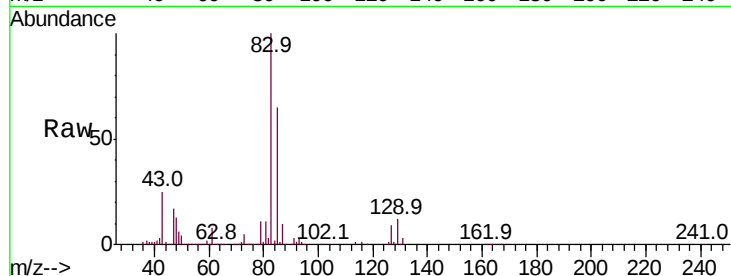
ClientSampleId :

ICVVX061919

Tot Ion:	83	Resp:	211626
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3
127	9.4	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.188 ug/l

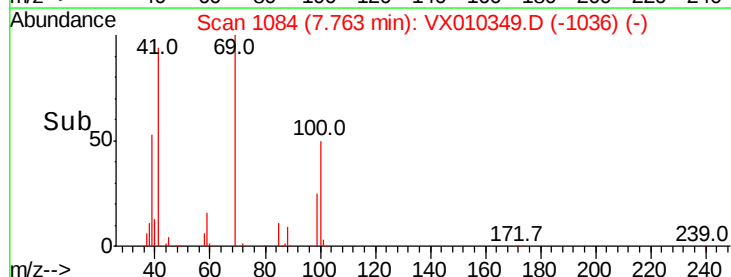
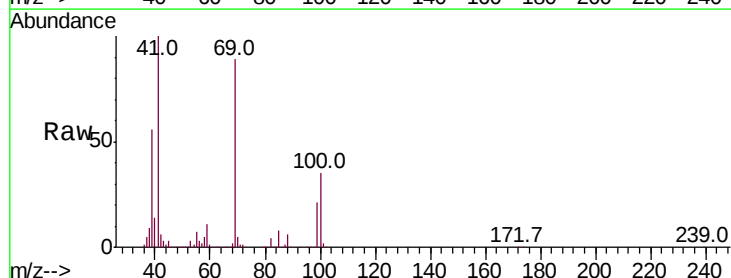
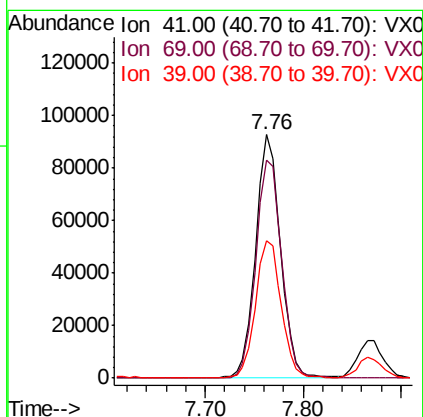
RT: 7.76 min Scan# 1084

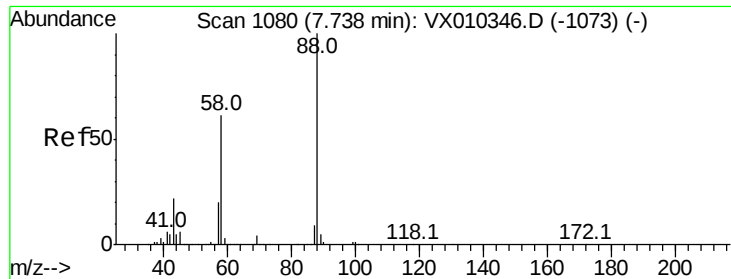
Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Tgt Ion:	41	Resp:	162814
Ion	Ratio	Lower	Upper
41	100		
69	93.9	76.1	114.1
39	58.5	47.6	71.4





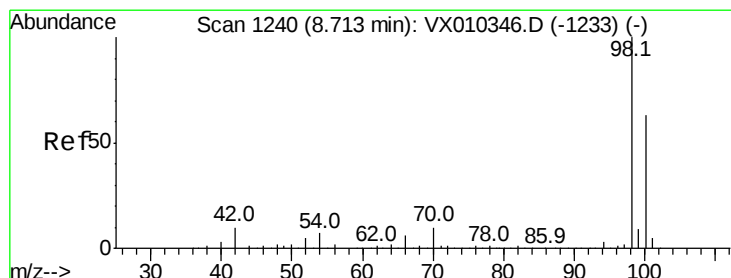
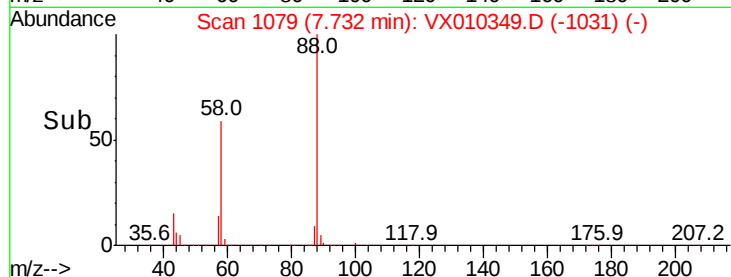
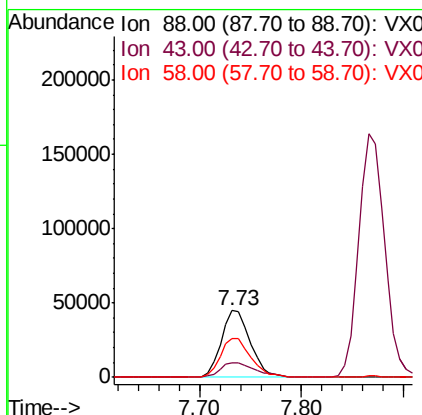
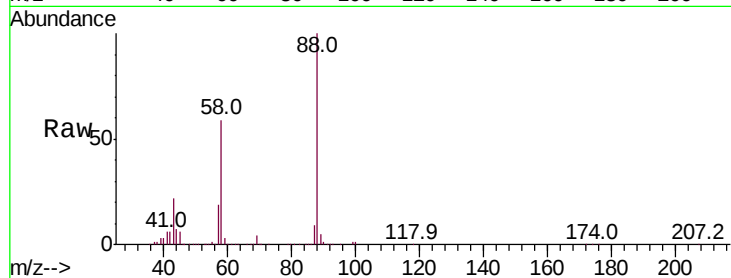
#49
1,4-Dioxane
Concen: 1034.749 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.9	20.2	30.2
58	61.5	49.5	74.3

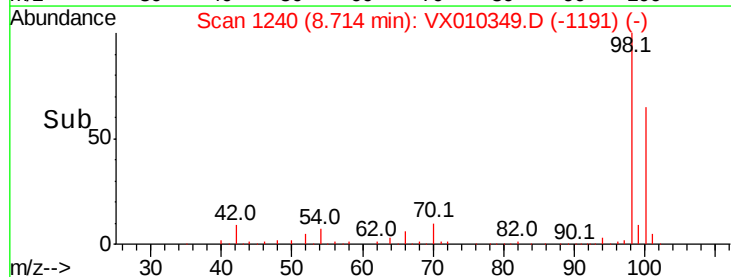
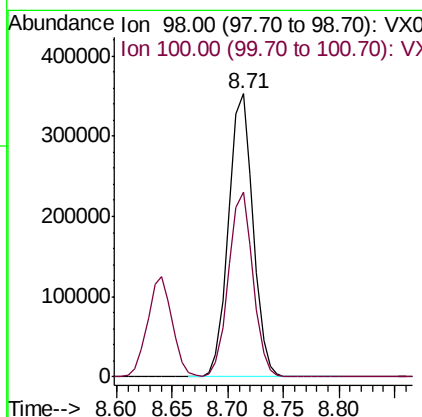
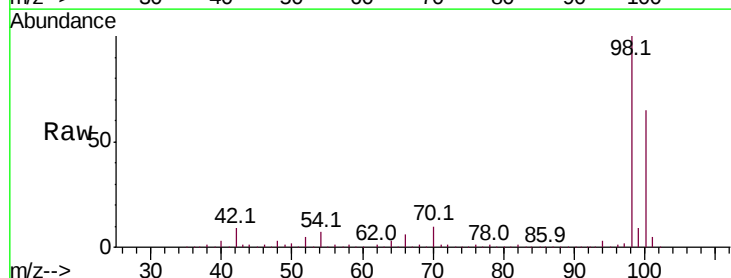
Manual Integrations
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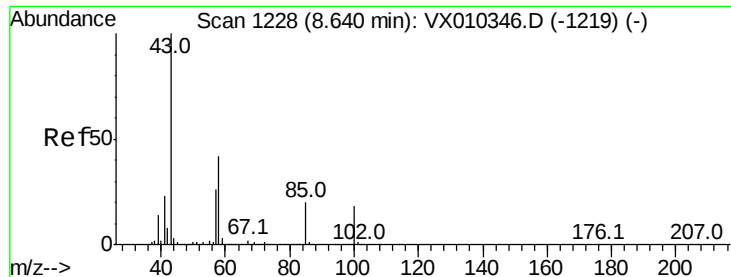
MMDadoda
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#50
Toluene-d8
Concen: 48.065 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 259.860 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion: 43 Resp: 1074315

Ion Ratio Lower Upper

43 100

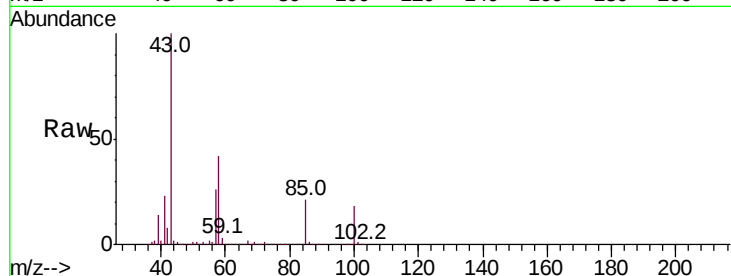
58 41.8 33.5 50.3

Manual Integrations

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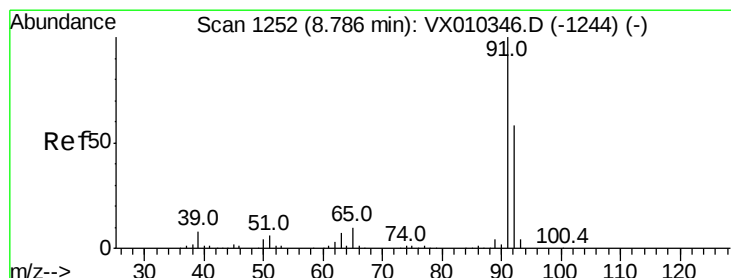
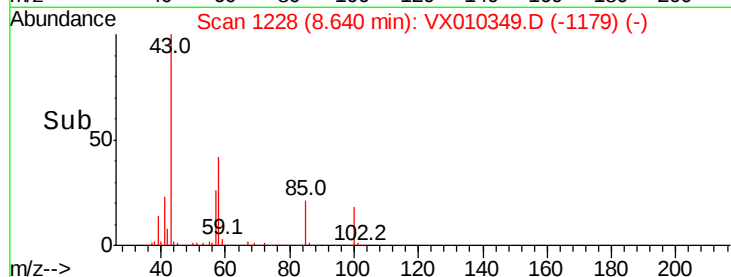
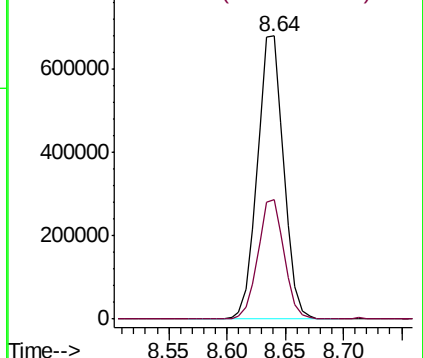
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.616 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010349.D

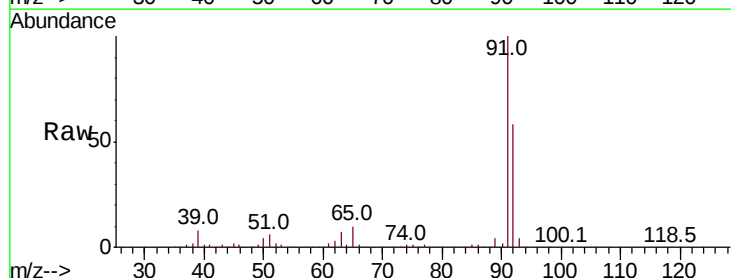
Acq: 19 Jun 2019 15:39

Tgt Ion: 92 Resp: 409973

Ion Ratio Lower Upper

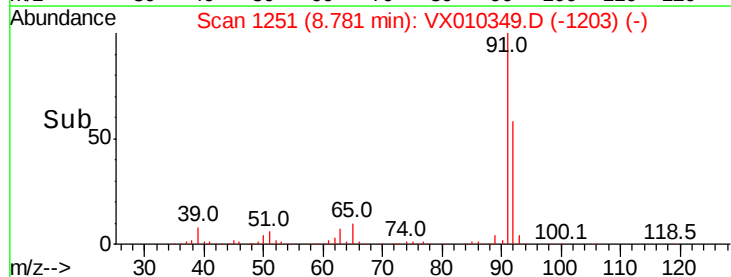
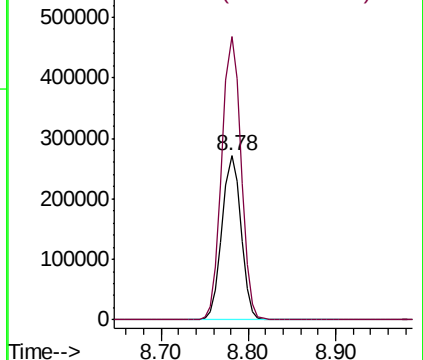
92 100

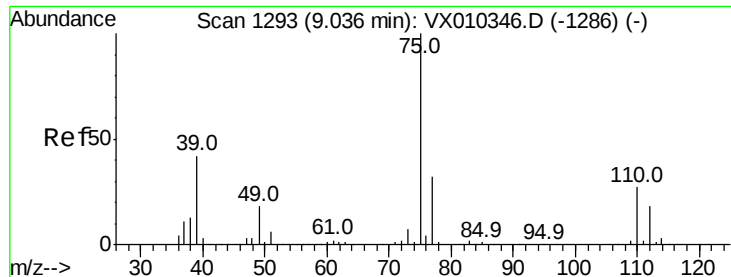
91 174.4 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





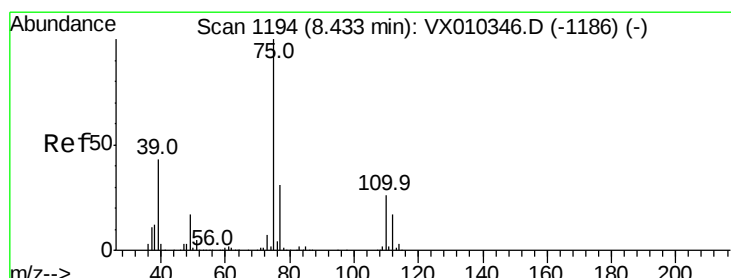
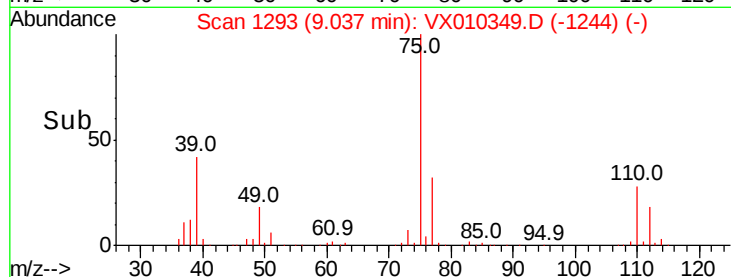
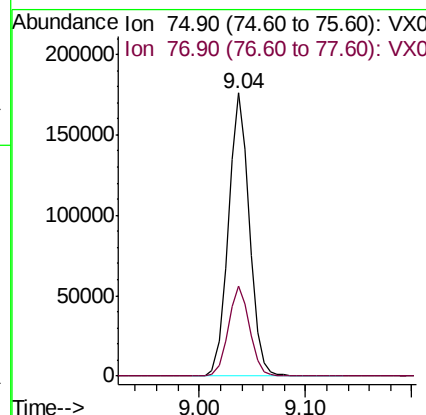
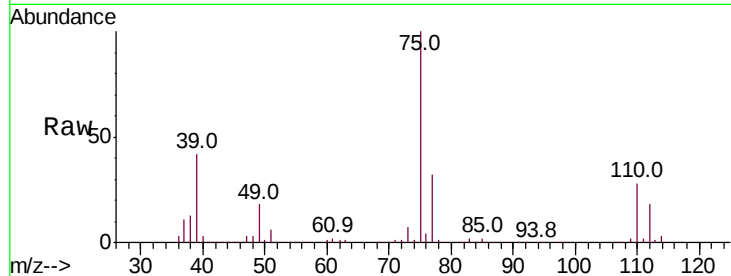
#53
t-1,3-Dichloropropene
Concen: 55.161 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

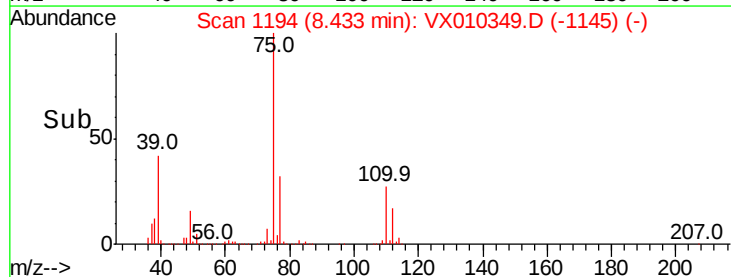
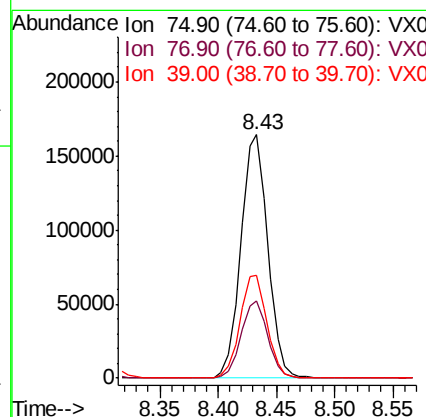
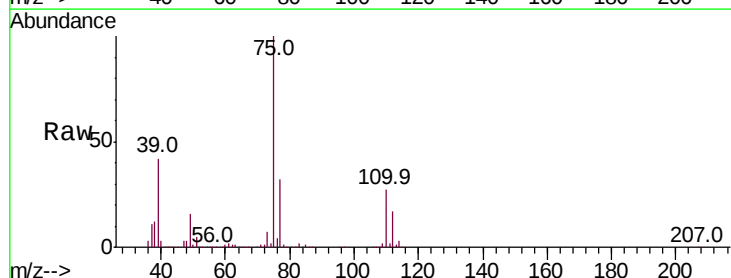
Manual Integrations
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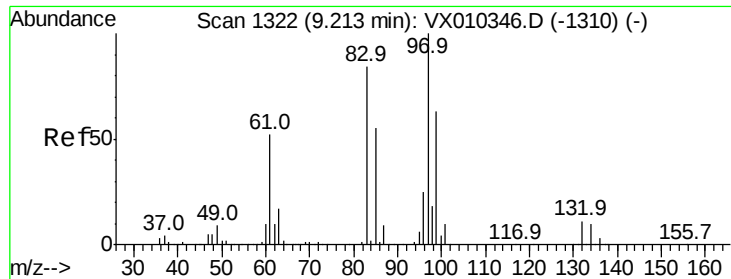
MMDadoda
6/20/2019 1:23:42 PM



#54
cis-1,3-Dichloropropene
Concen: 55.357 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	42.4	34.5	51.7





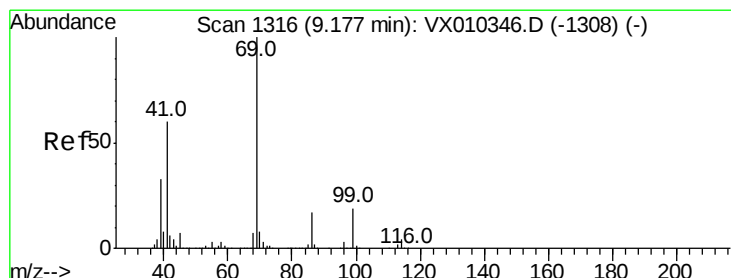
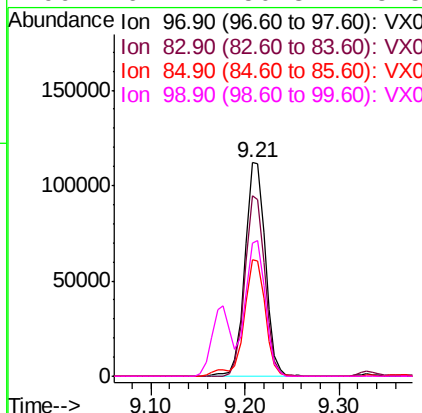
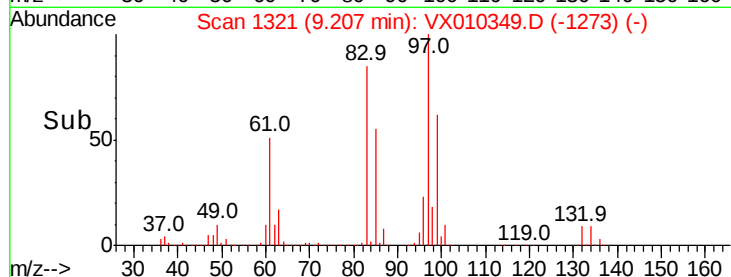
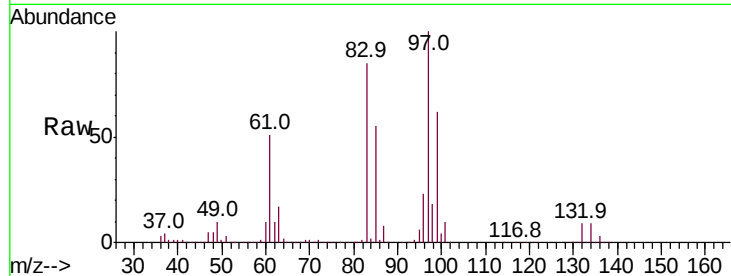
#55
 1,1,2-Trichloroethane
 Concen: 52.688 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX010349.D
 Acq: 19 Jun 2019 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061919

Tot Ion	97	Resp	169312
Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.4	101.0
85	54.6	43.8	65.8
99	62.1	50.3	75.5

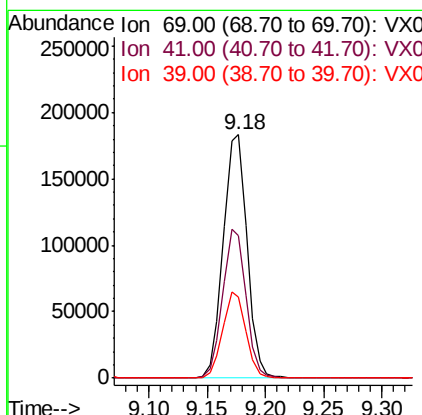
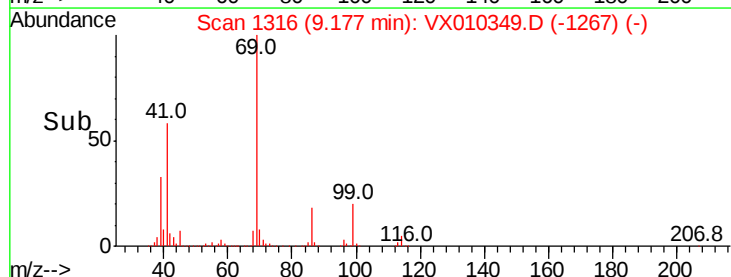
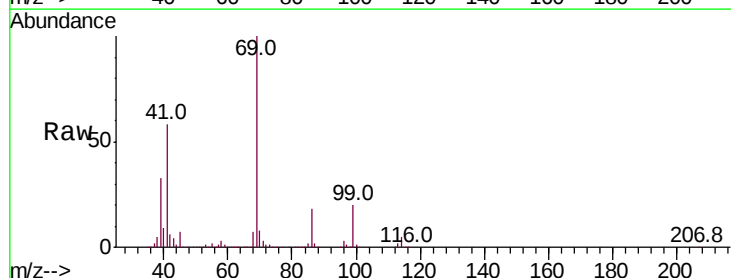
Manual Integrations
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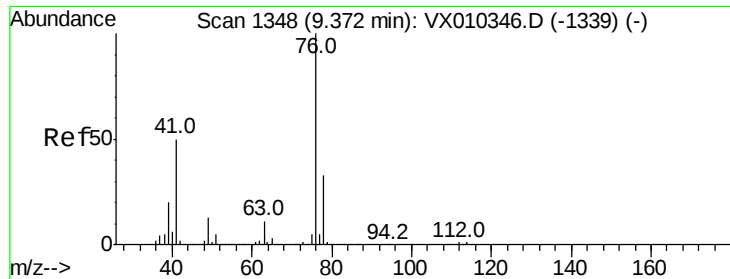
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#56
 Ethyl methacrylate
 Concen: 53.409 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010349.D
 Acq: 19 Jun 2019 15:39

Tgt Ion	69	Resp	259998
Ion	Ratio	Lower	Upper
69	100		
41	59.5	47.1	70.7
39	34.3	26.6	40.0





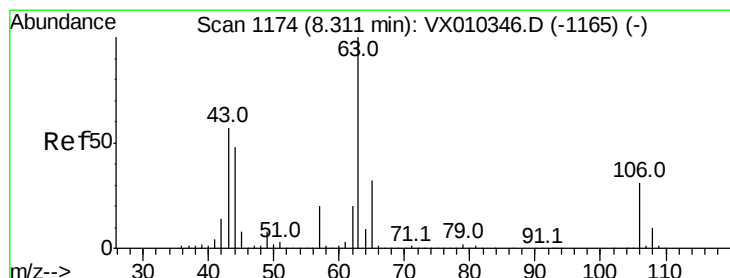
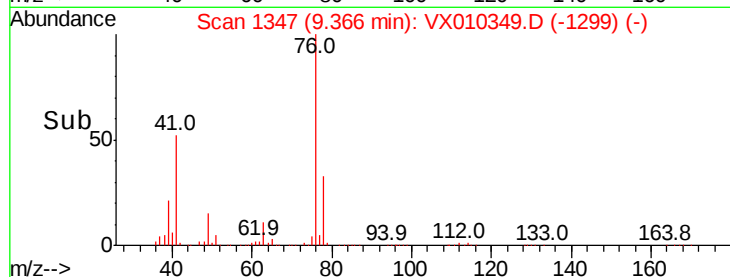
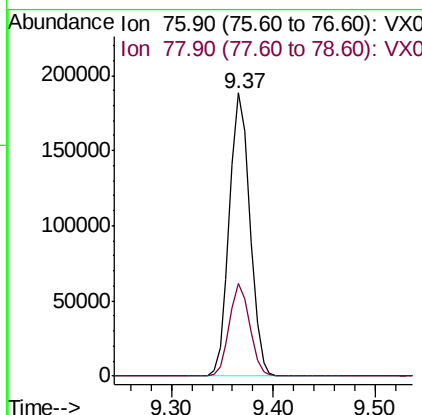
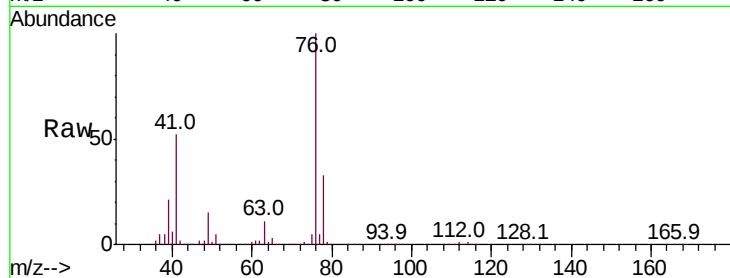
#57
 1,3-Dichloropropane
 Concen: 52.553 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010349.D
 Acq: 19 Jun 2019 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061919

Tot Ion: 76 Resp: 262153
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

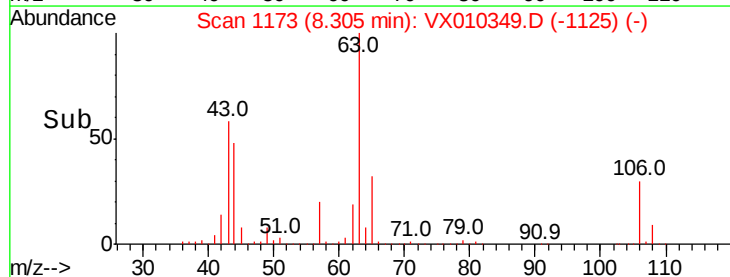
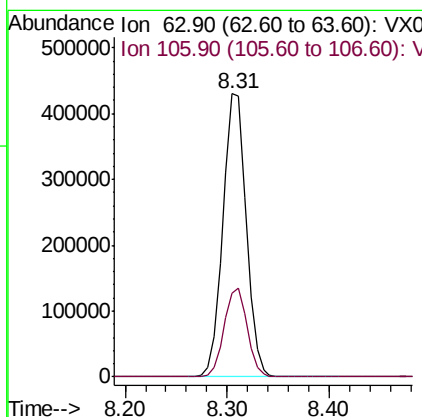
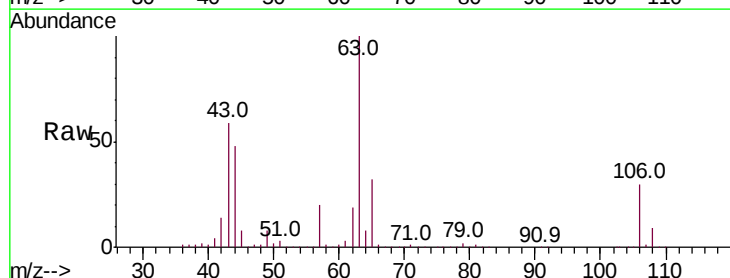
Manual Integrations
 APPROVED

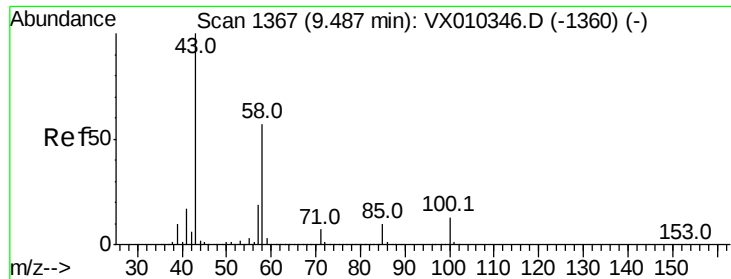
MMDadoda
 6/20/2019 1:23:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 296.610 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX010349.D
 Acq: 19 Jun 2019 15:39

Tgt Ion: 63 Resp: 685750
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.7 37.1





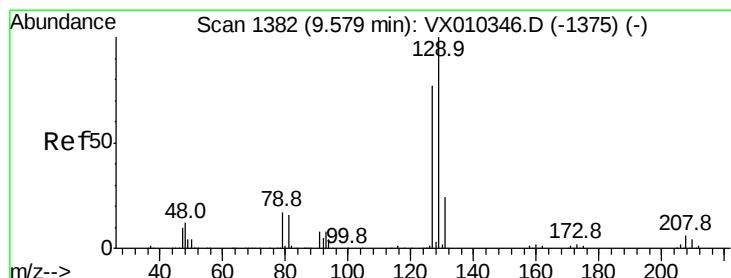
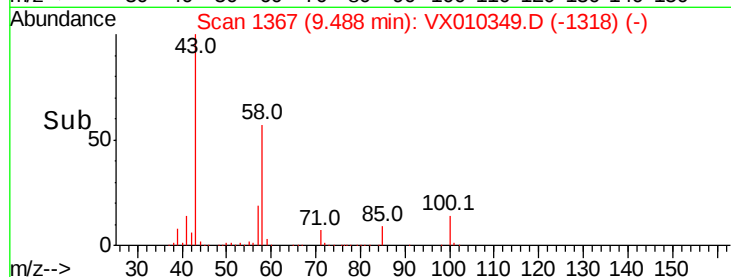
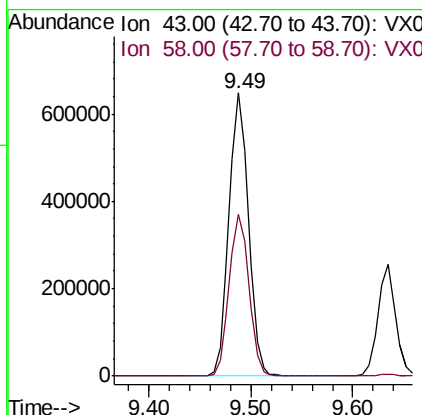
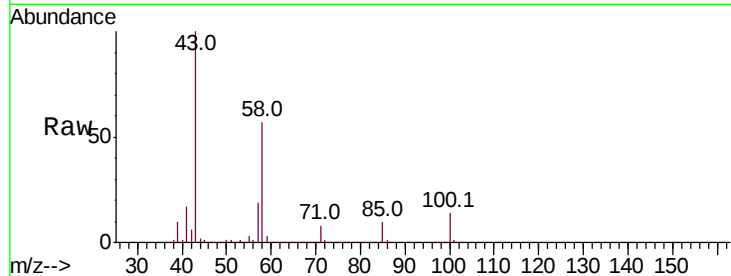
#59
2-Hexanone
Concen: 263.044 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion: 43 Resp: 855885
Ion Ratio Lower Upper
43 100
58 57.9 29.0 87.1

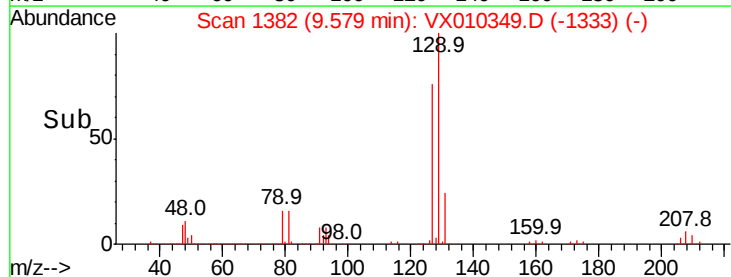
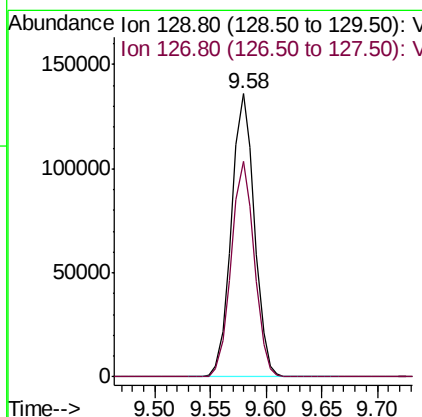
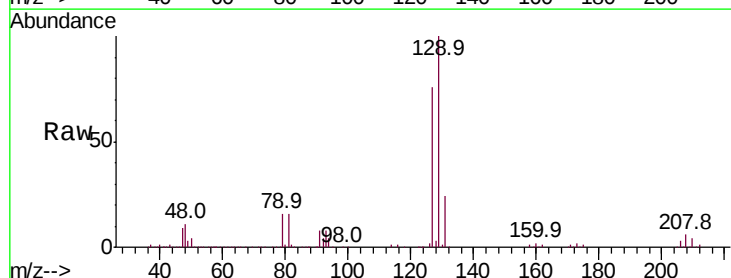
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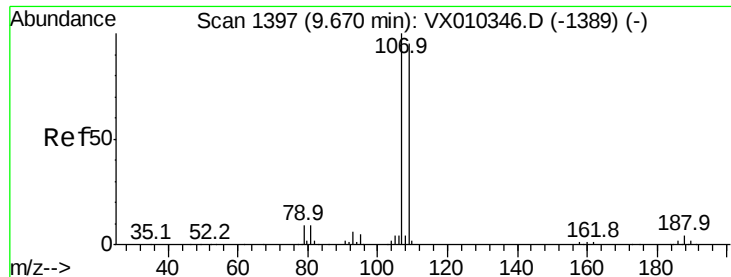
MMDadoda
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#60
Dibromochloromethane
Concen: 54.164 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion: 129 Resp: 194886
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.696 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion:107 Resp: 182781

Ion Ratio Lower Upper

107 100

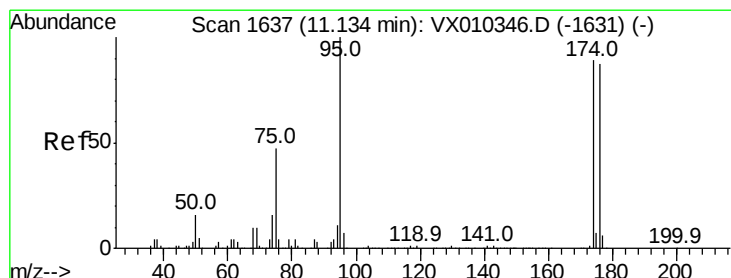
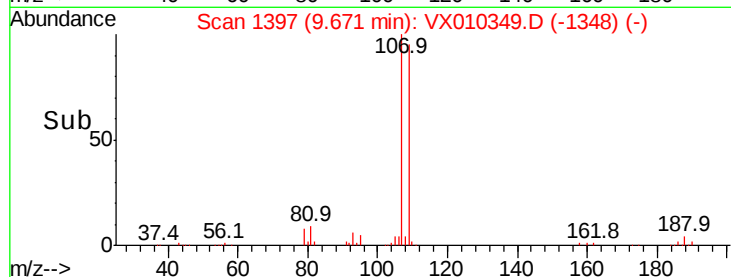
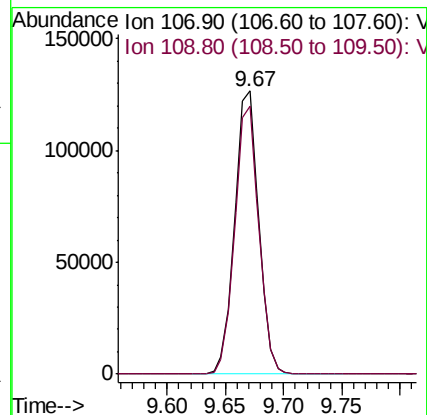
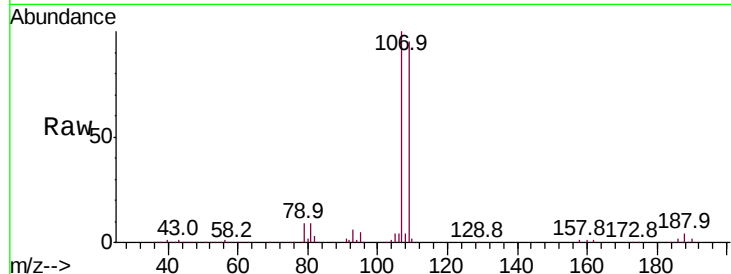
109 95.1 75.8 113.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.913 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

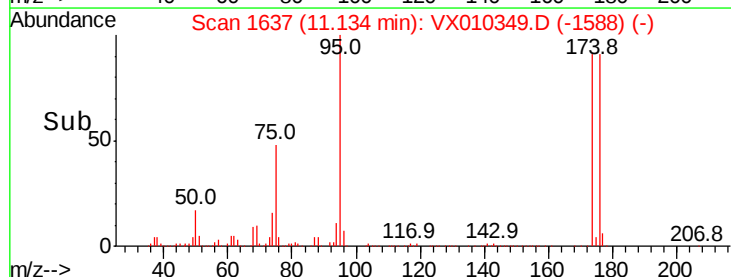
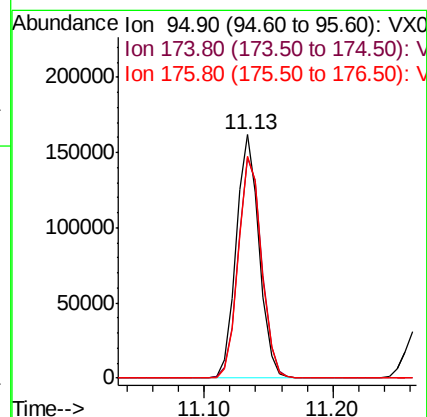
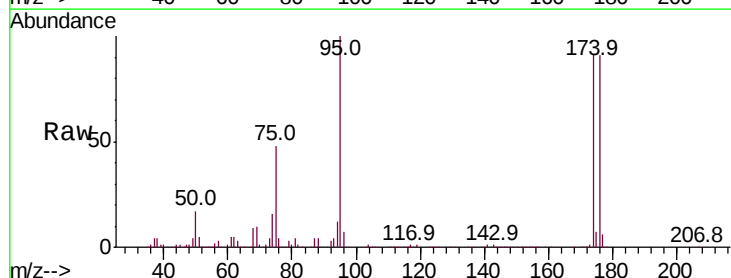
Tgt Ion: 95 Resp: 201589

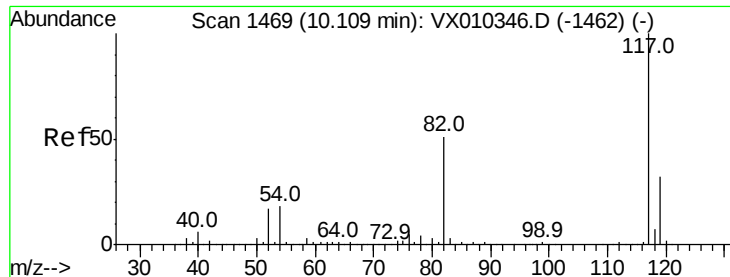
Ion Ratio Lower Upper

95 100

174 92.6 0.0 187.6

176 91.5 0.0 184.0





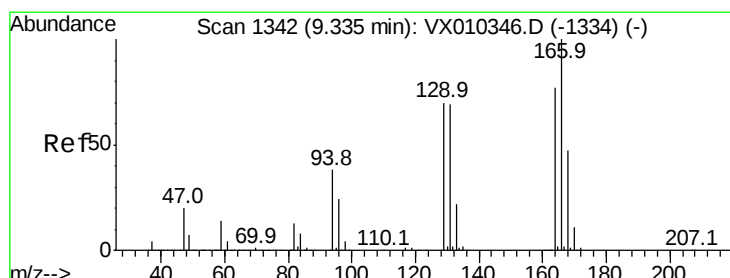
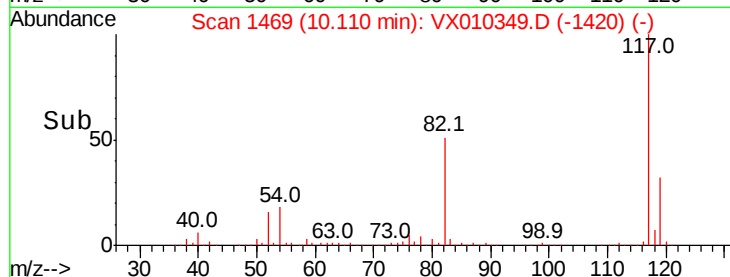
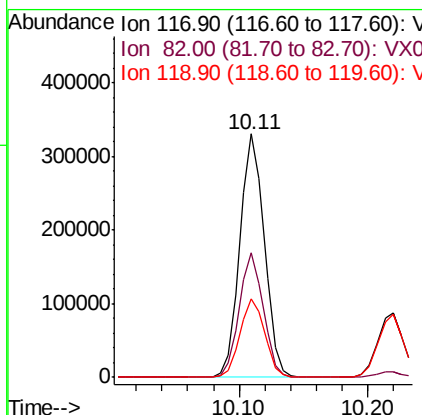
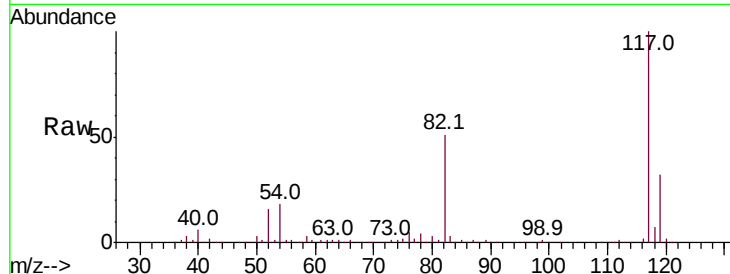
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	Ratio	Resp	Lower	Upper
117	100	435226		
82	51.3		41.2	61.8
119	32.0		25.5	38.3

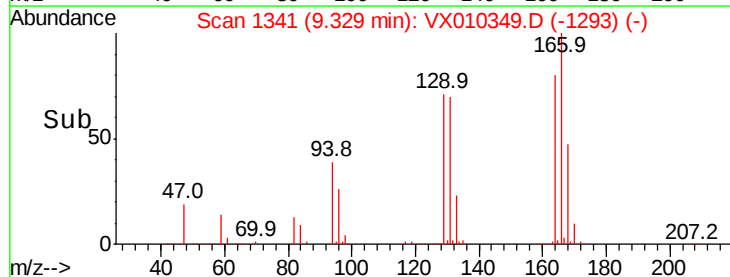
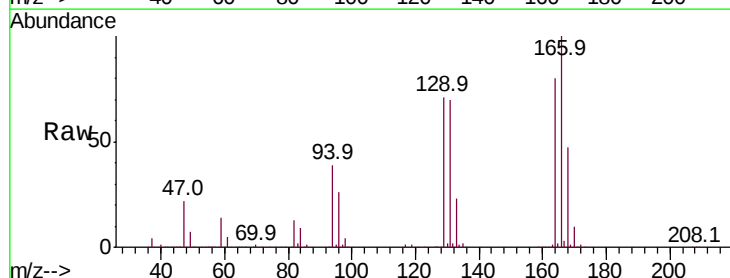
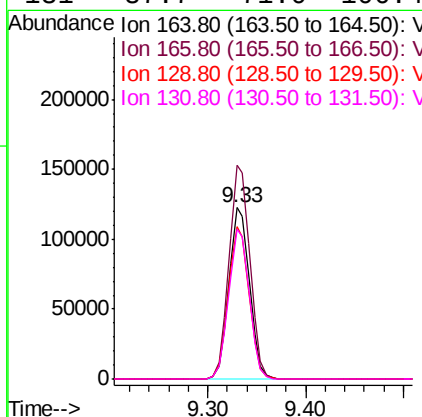
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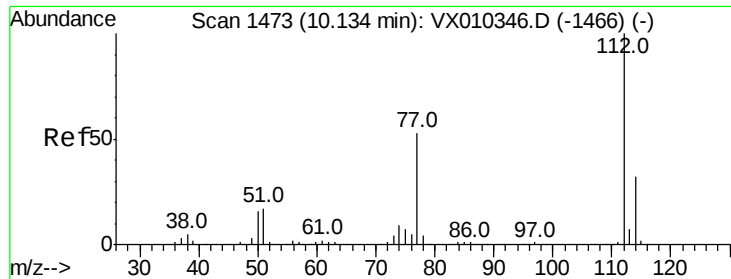
MMDadoda
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#64
Tetrachloroethene
Concen: 50.767 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	178710		
166	124.9		103.6	155.4
129	88.8		73.0	109.4
131	87.7		71.0	106.4





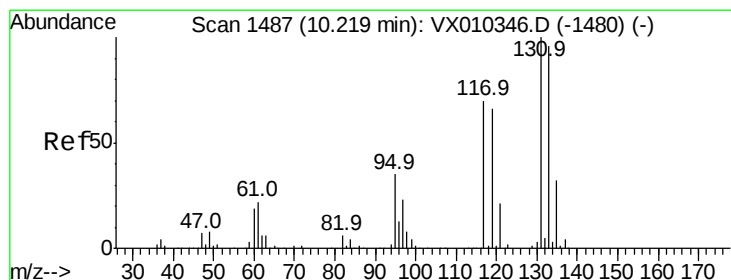
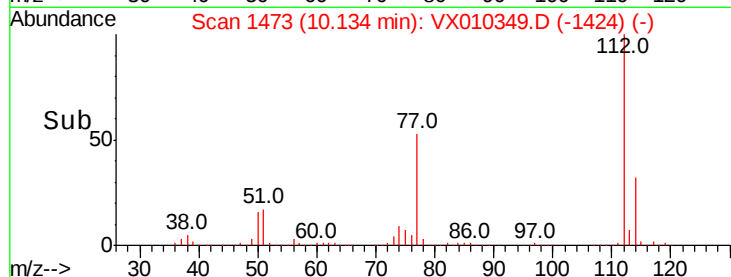
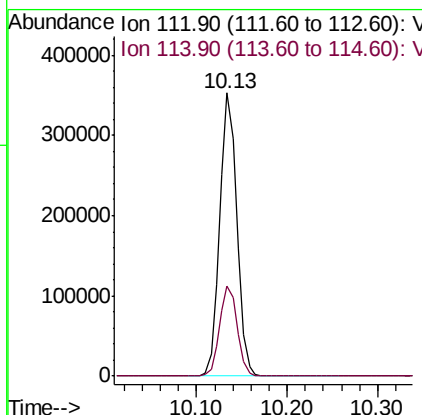
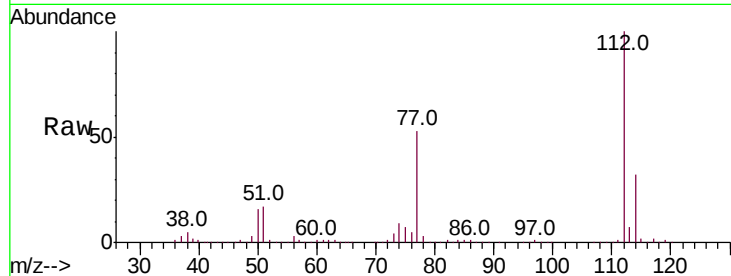
#65
Chlorobenzene
Concen: 52.866 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion:112 Resp: 467124
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

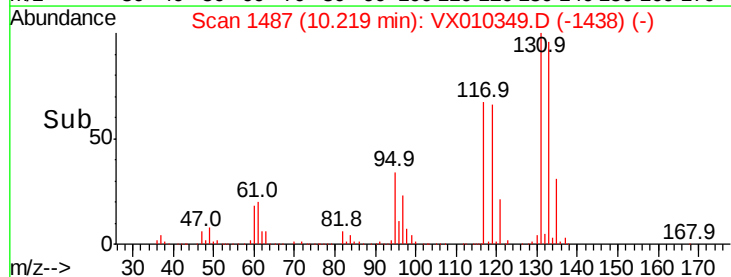
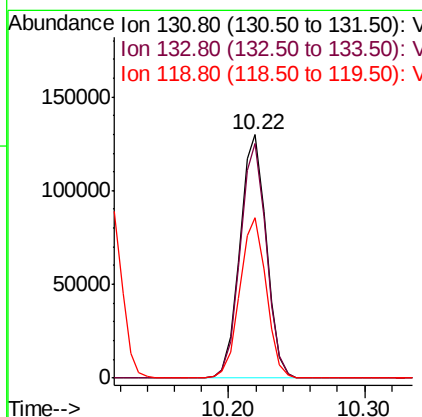
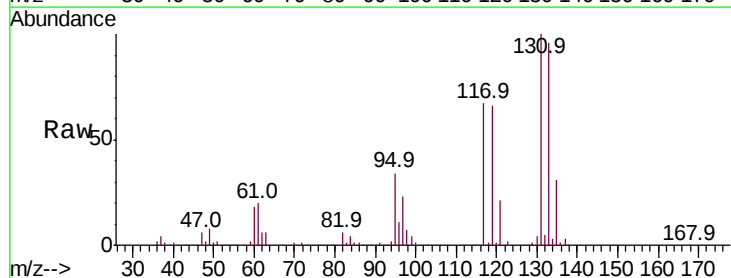
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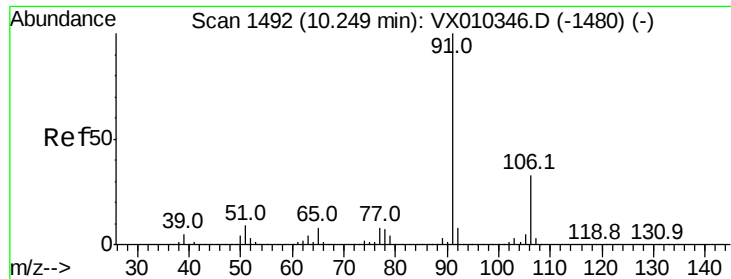
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.458 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion:131 Resp: 175273
Ion Ratio Lower Upper
131 100
133 95.7 47.7 143.1
119 65.8 32.6 97.7





#67

Ethyl Benzene

Concen: 53.804 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampled :

ICVX061919

Tot Ion: 91 Resp: 802588

Ion Ratio Lower Upper

91 100

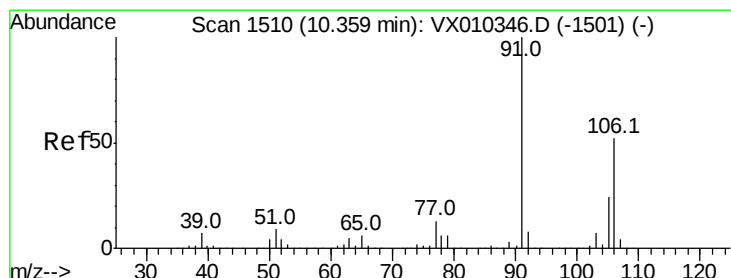
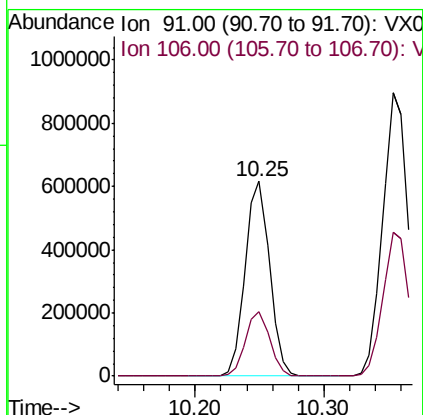
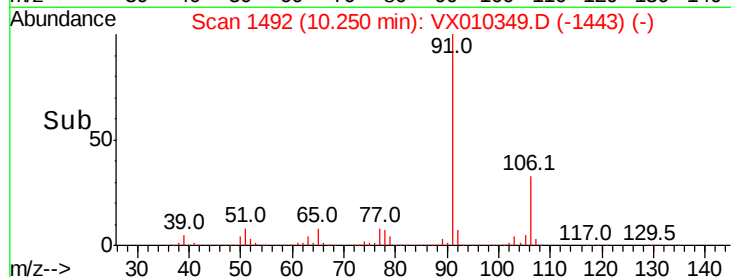
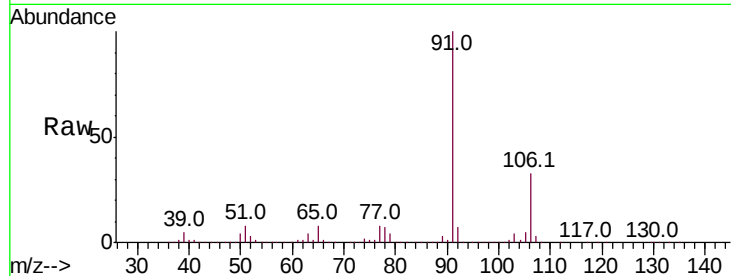
106 33.0 26.2 39.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 109.021 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX010349.D

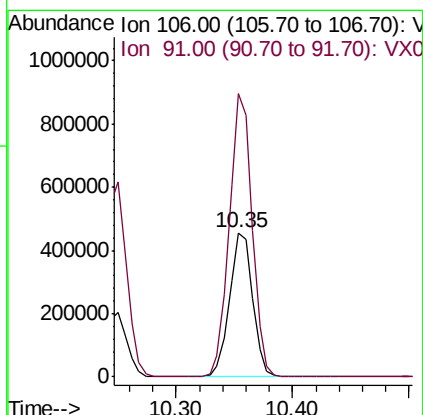
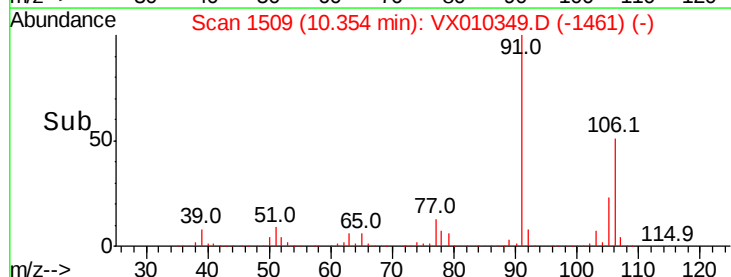
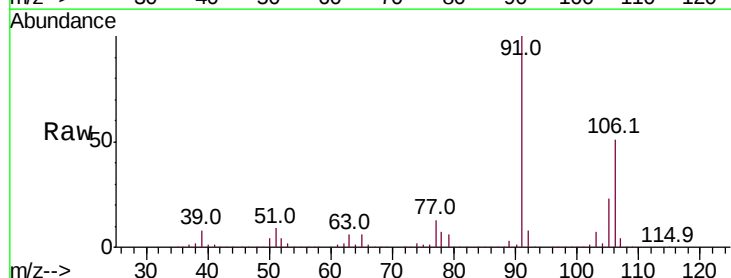
Acq: 19 Jun 2019 15:39

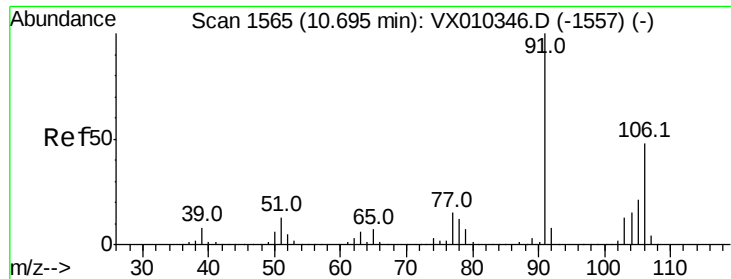
Tgt Ion: 106 Resp: 630136

Ion Ratio Lower Upper

106 100

91 194.3 155.3 232.9





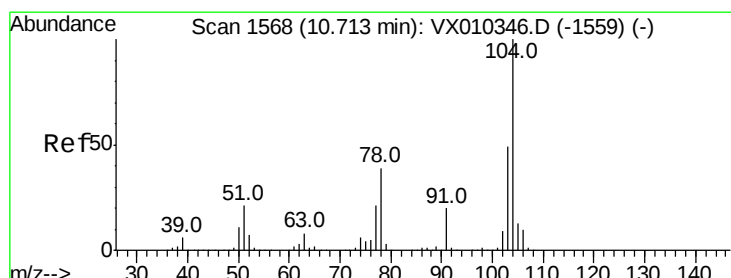
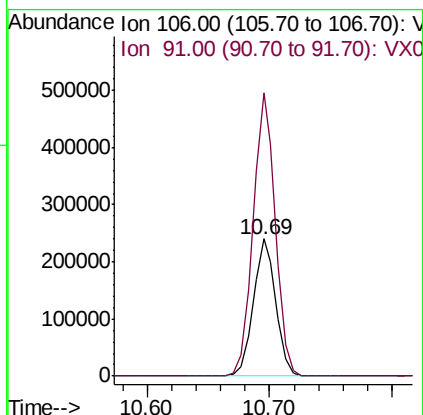
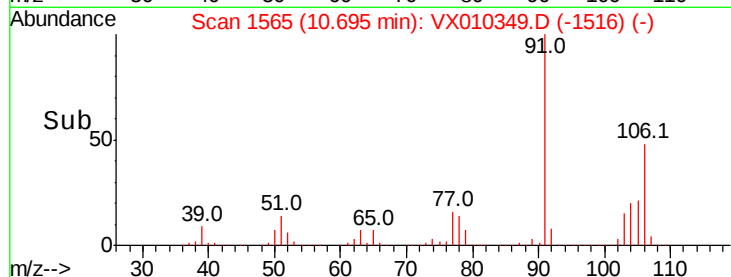
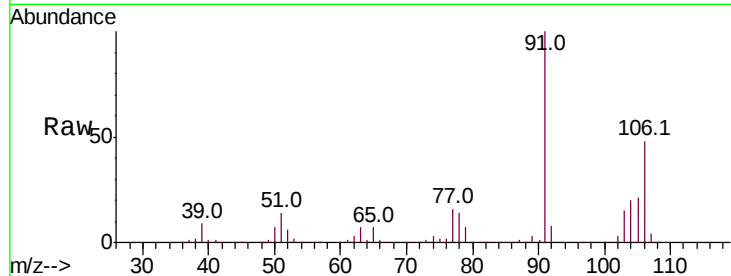
#69
o-Xylene
Concen: 53.721 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampled :
ICVVX061919

Tot Ion:106 Resp: 305352
Ion Ratio Lower Upper
106 100
91 205.5 102.7 308.1

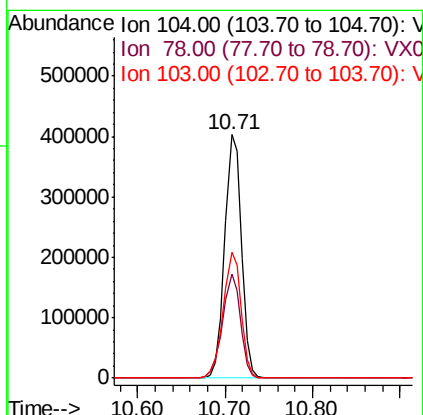
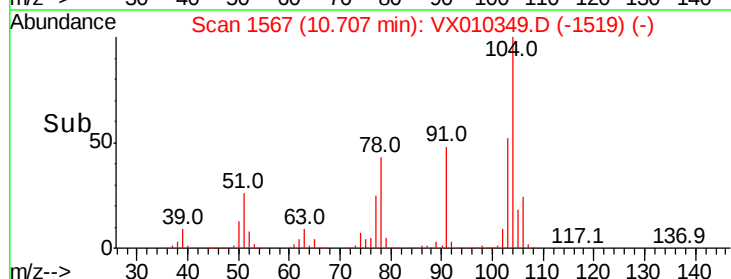
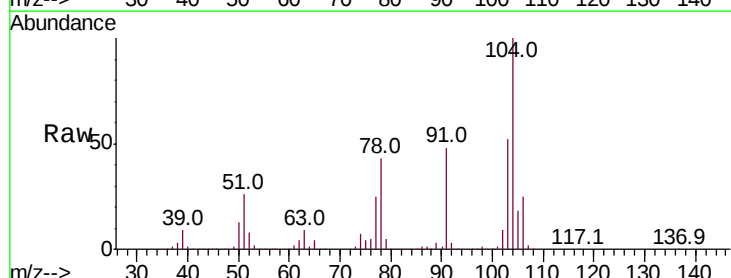
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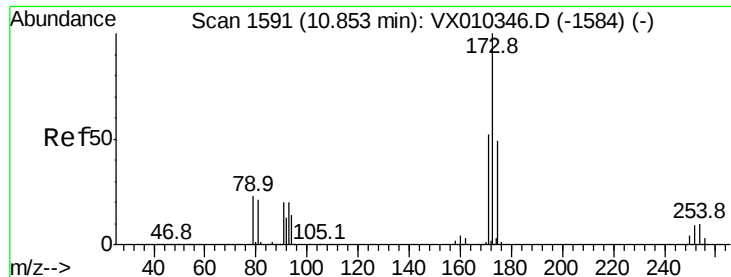
MMDadoda
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#70
Styrene
Concen: 55.705 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion:104 Resp: 531003
Ion Ratio Lower Upper
104 100
78 45.9 36.2 54.2
103 55.1 44.2 66.4





#71

Bromoform

Concen: 56.461 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion:173 Resp: 158029

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.3

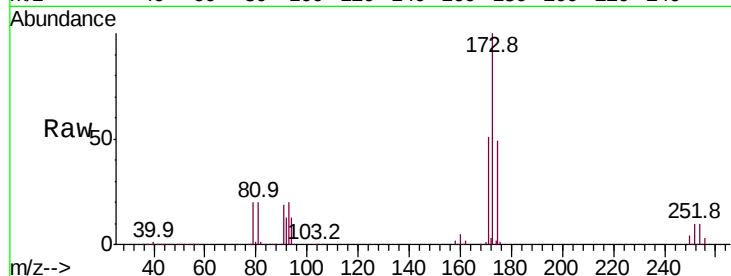
254 0.1 0.2 0.2#

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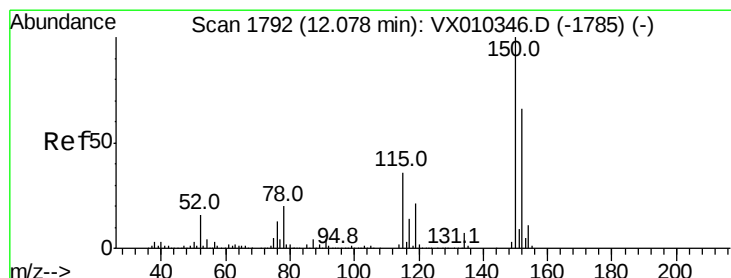
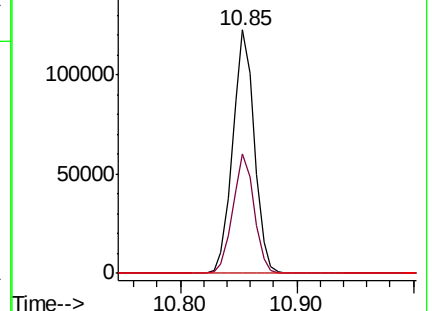
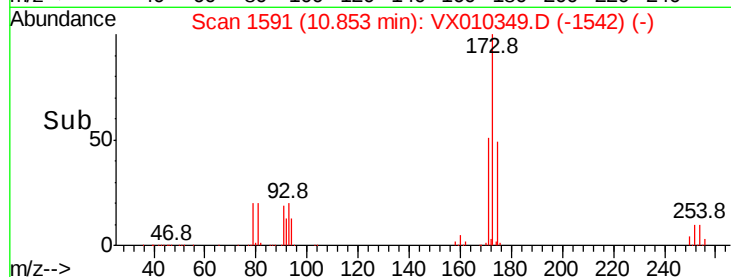
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

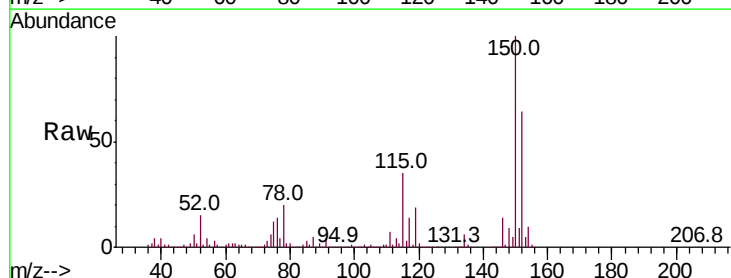
Tgt Ion:152 Resp: 232840

Ion Ratio Lower Upper

152 100

115 79.8 38.6 115.7

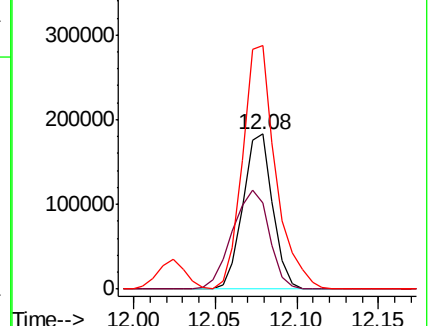
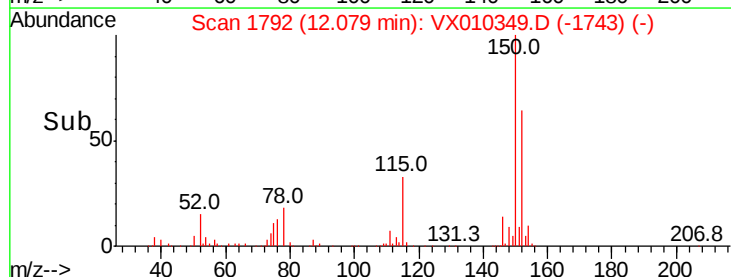
150 174.6 0.0 347.4

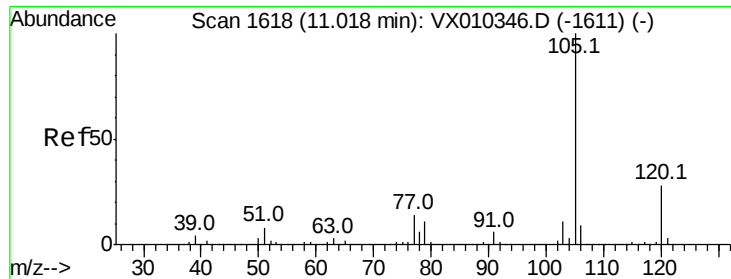


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.703 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion: 105 Resp: 816070

Ion Ratio Lower Upper

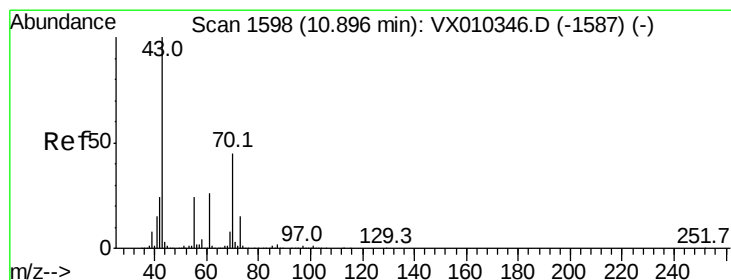
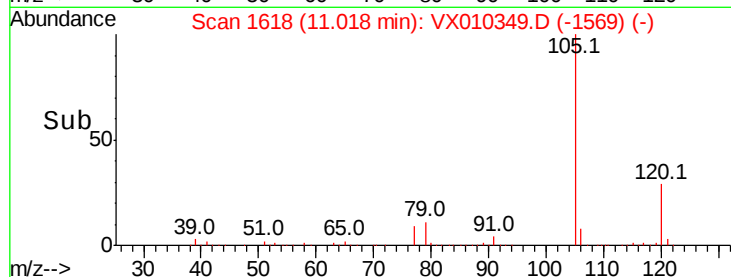
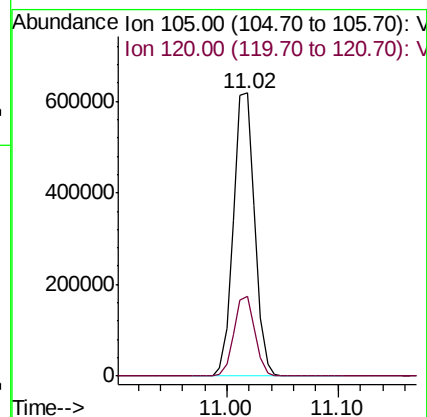
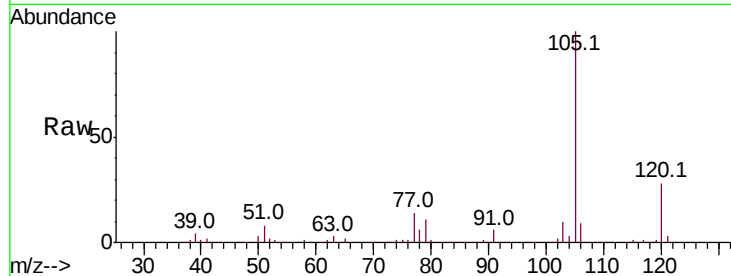
105 100

120 27.7 14.1 42.4

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#74

N-ethyl acetate

Concen: 53.536 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Tgt Ion: 43 Resp: 319342

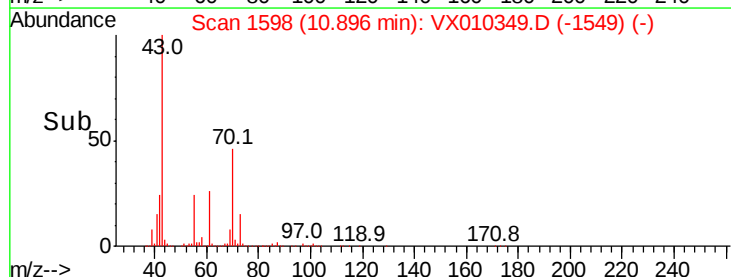
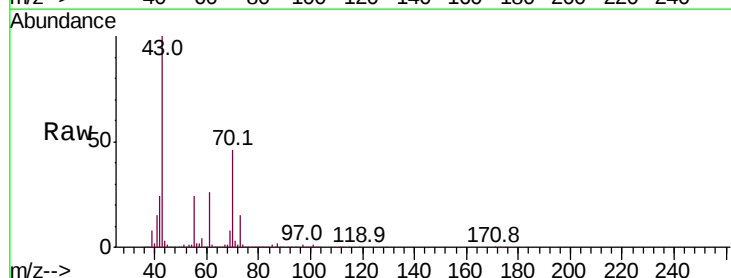
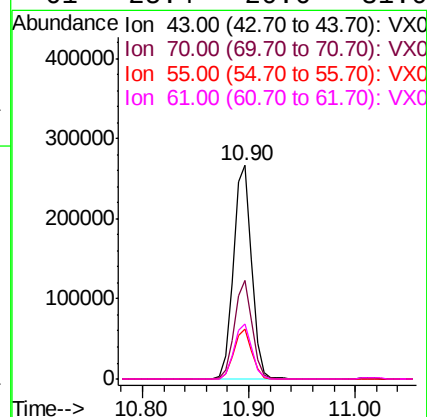
Ion Ratio Lower Upper

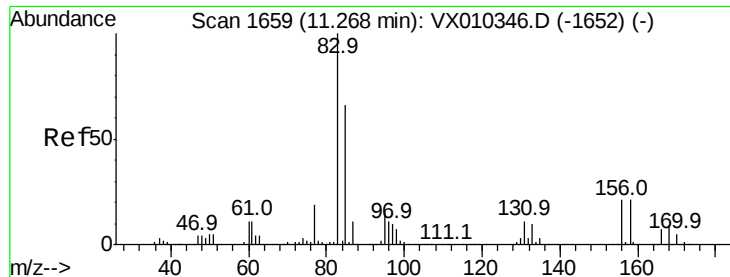
43 100

70 45.1 36.6 54.8

55 23.4 18.7 28.1

61 25.4 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.132 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

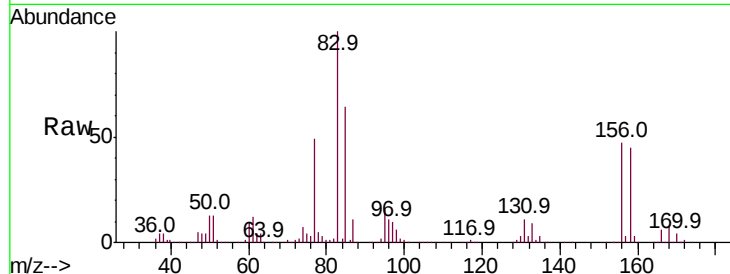
ClientSampled :

ICVVX061919

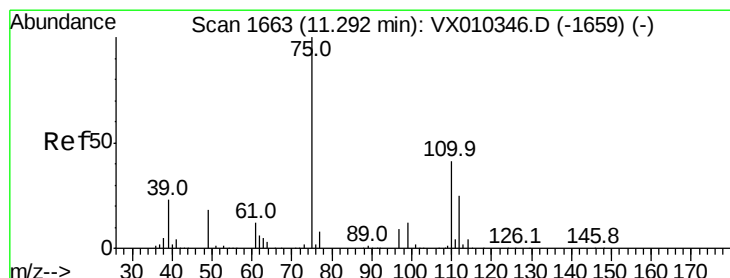
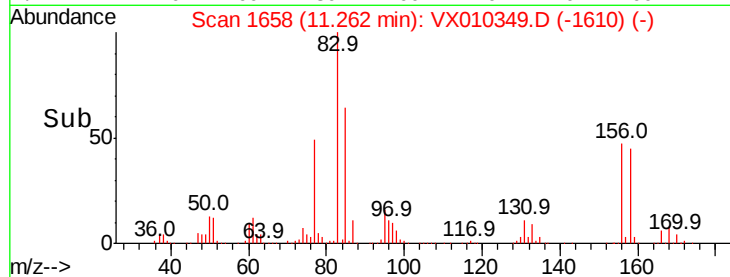
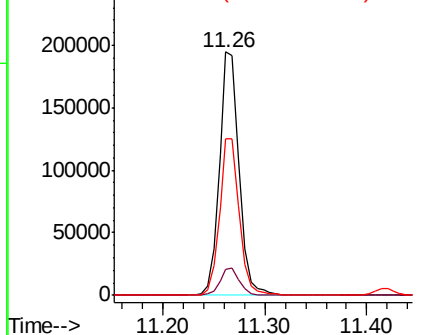
Tot Ion:	83	Resp:	262049
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	64.6	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 52.918 ug/l m

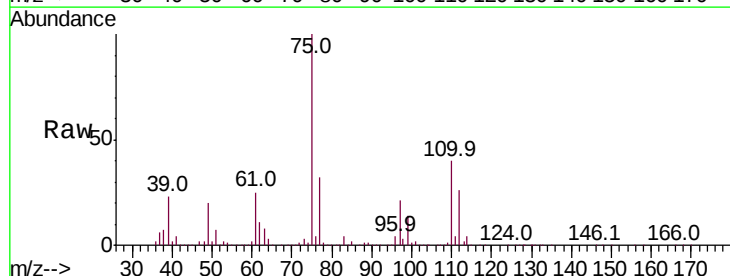
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

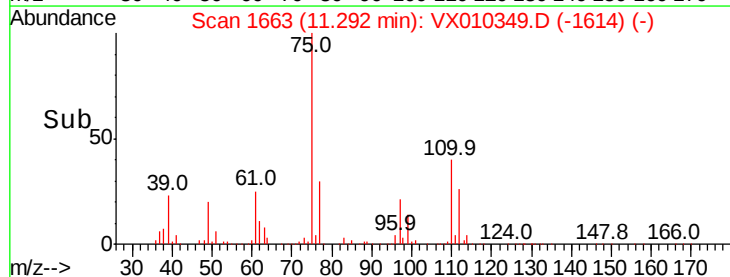
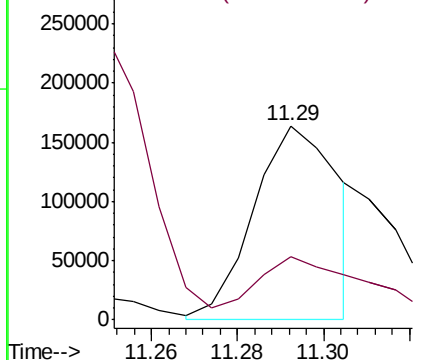
Lab File: VX010349.D

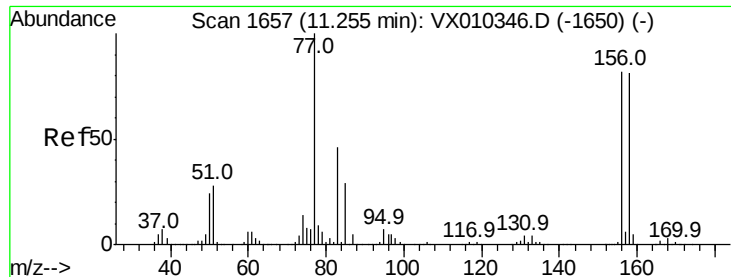
Acq: 19 Jun 2019 15:39

Tgt Ion:	75	Resp:	224527
Ion	Ratio	Lower	Upper
75	100		
77	43.2	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.180 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

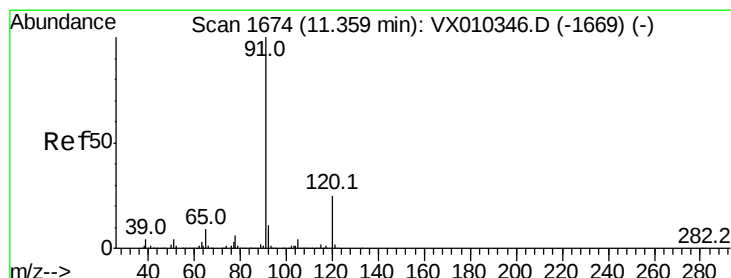
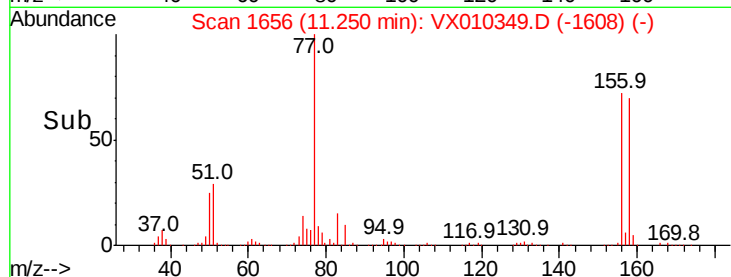
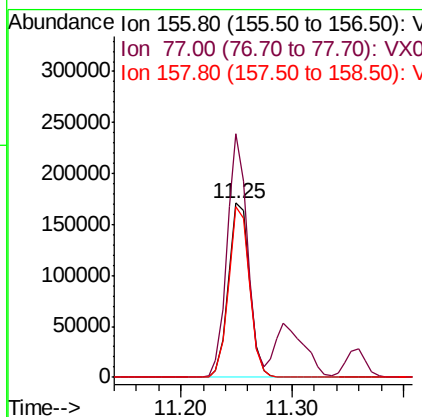
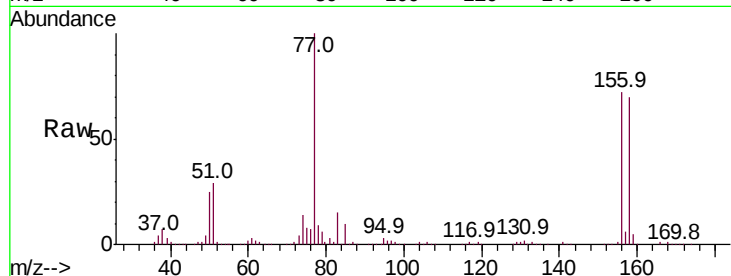
ClientSampleId :

ICVVX061919

Tot Ion:	156	Resp:	225563
Ion Ratio	Lower	Upper	
156	100		
77	132.9	66.3	198.7
158	95.9	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 53.683 ug/l

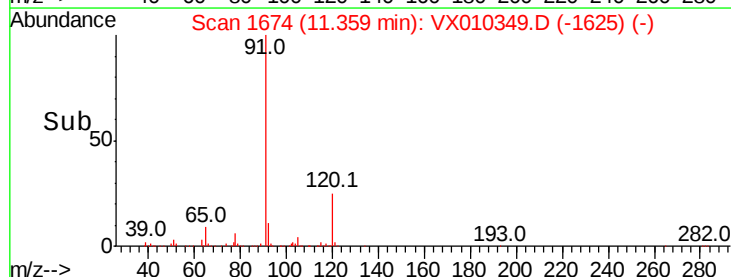
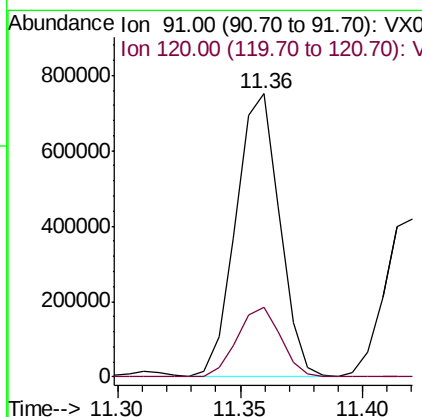
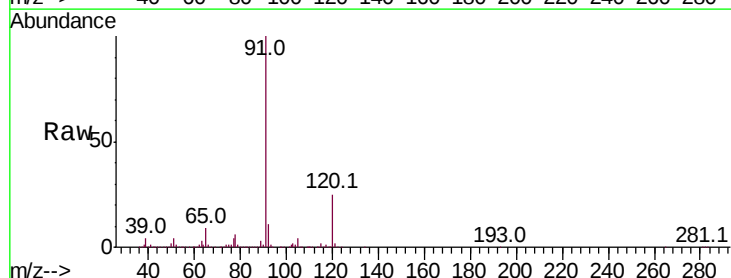
RT: 11.36 min Scan# 1674

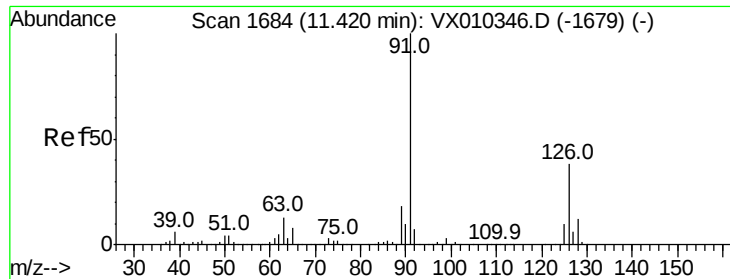
Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Tgt Ion:	91	Resp:	931238
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.4	37.4





#79

2-Chlorotoluene

Concen: 51.948 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion: 91 Resp: 536602

Ion Ratio Lower Upper

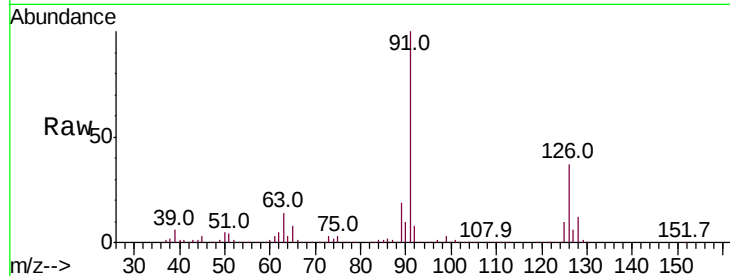
91 100

126 37.0 18.7 56.1

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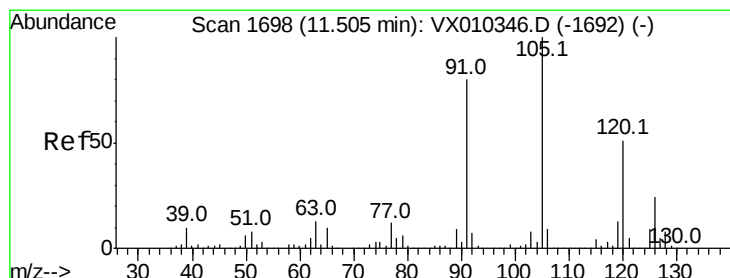
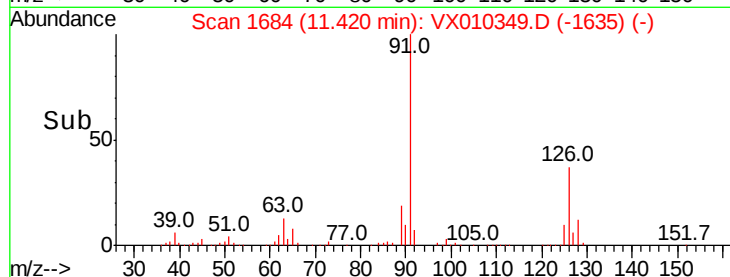
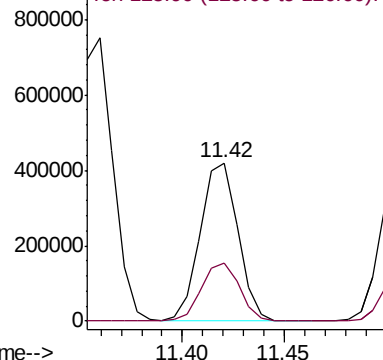
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.146 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010349.D

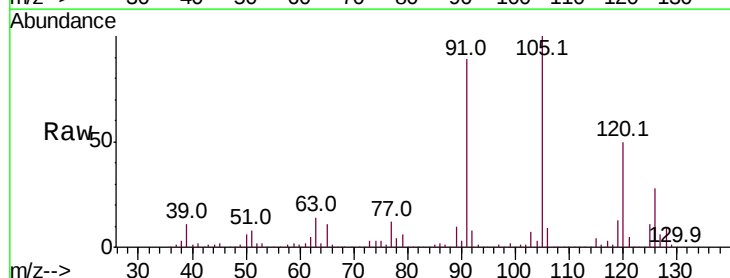
Acq: 19 Jun 2019 15:39

Tgt Ion: 105 Resp: 691516

Ion Ratio Lower Upper

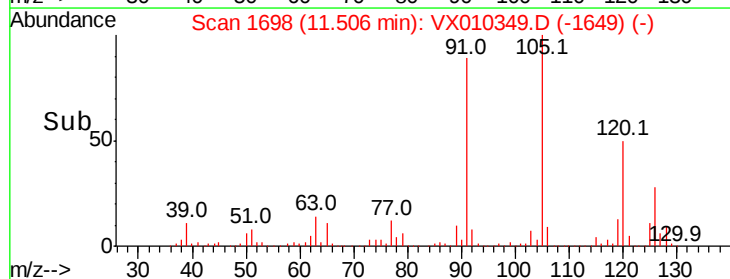
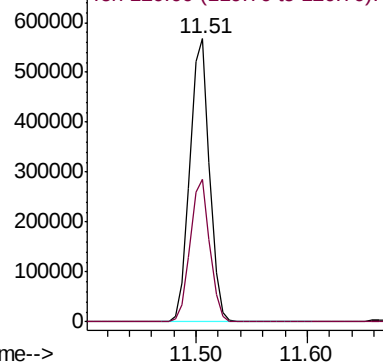
105 100

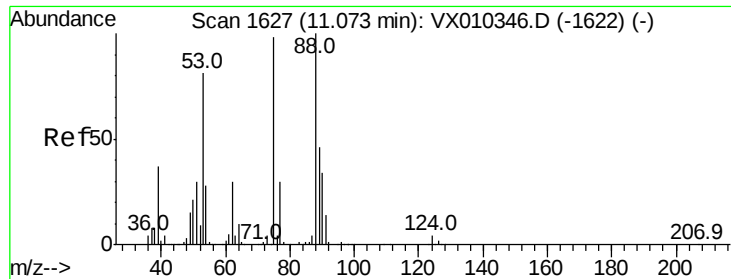
120 50.2 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





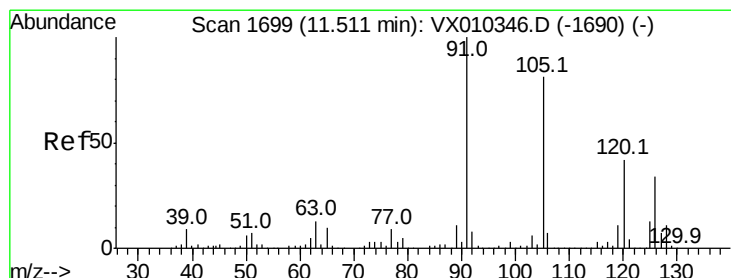
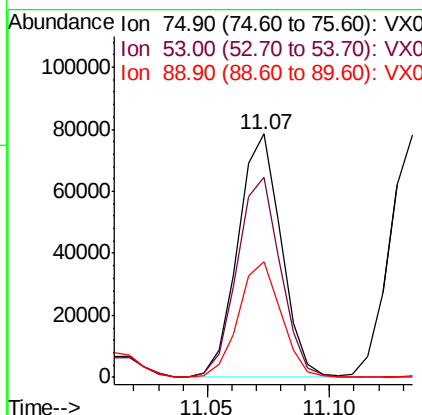
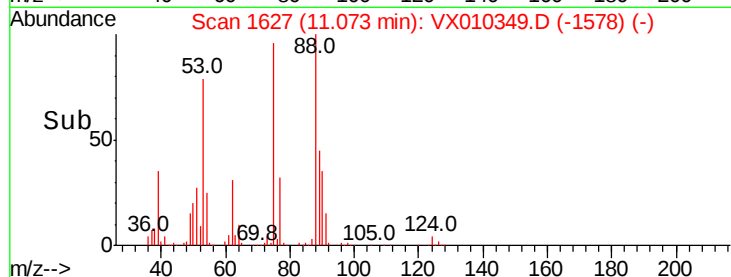
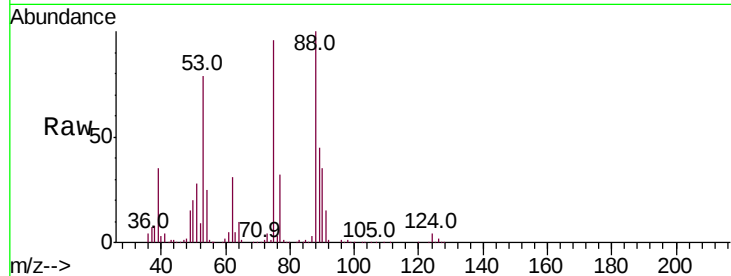
#81
trans-1,4-Dichloro-2-butene
Concen: 52.953 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.6	66.1	99.1
89	47.0	37.8	56.6

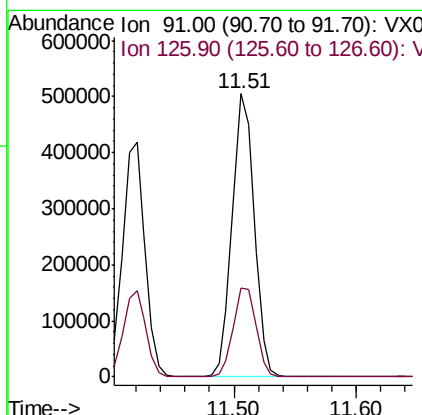
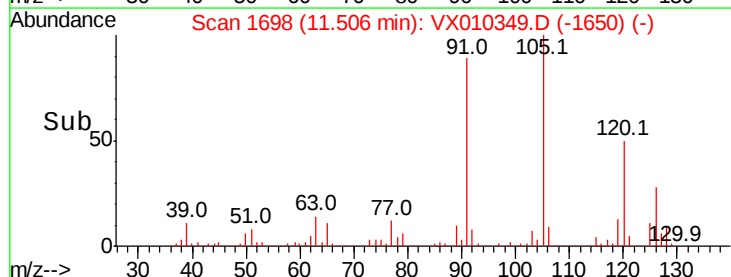
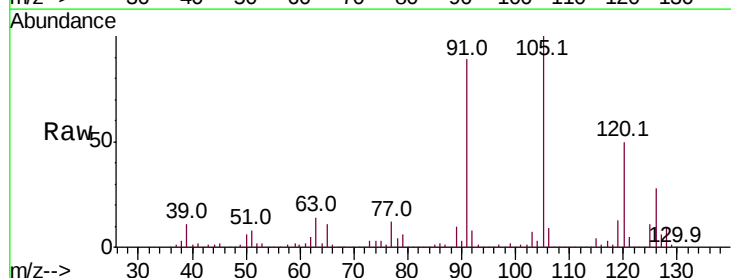
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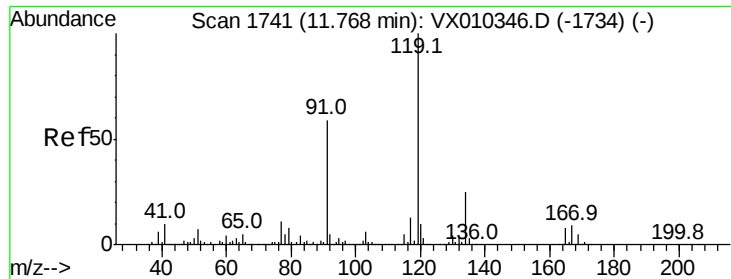
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#82
4-Chlorotoluene
Concen: 53.453 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.6





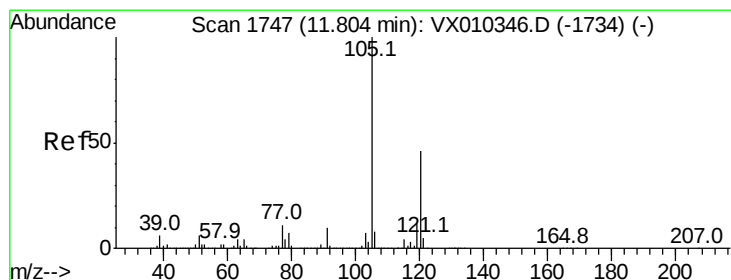
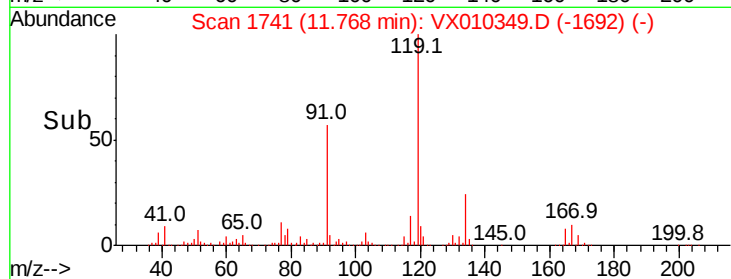
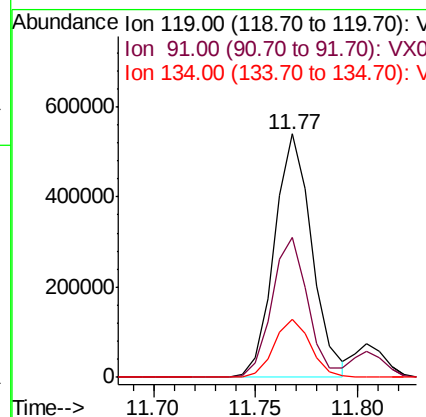
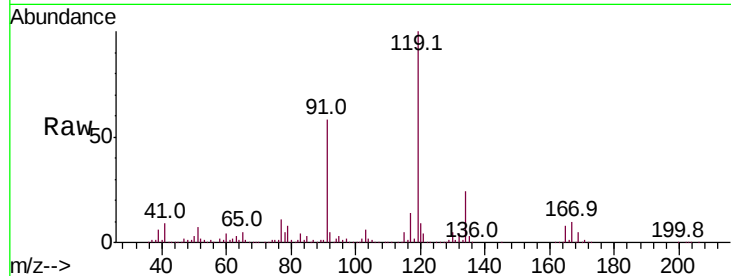
#83
tert-Butylbenzene
Concen: 53.013 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	Ratio	Resp	Lower	Upper
119	100	692328		
91	55.2	27.6	82.7	
134	23.2	11.8	35.4	

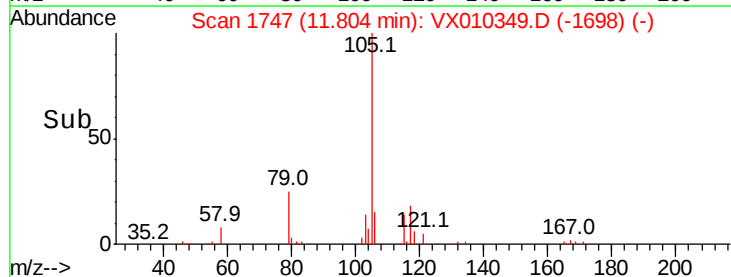
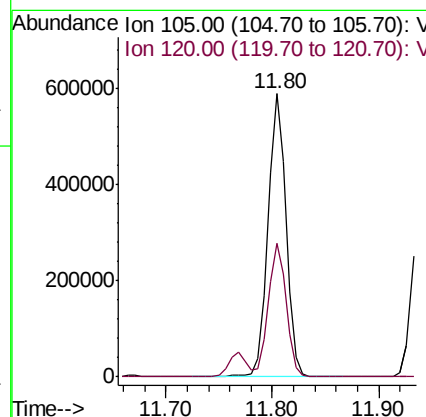
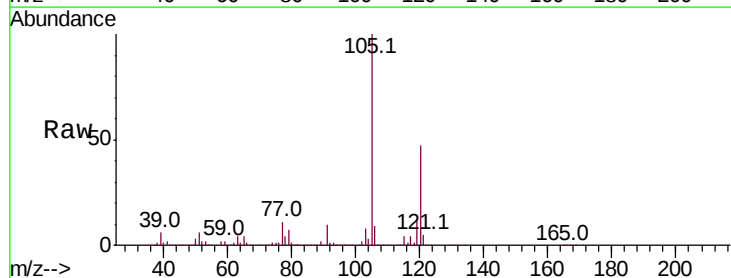
Manual Integrations
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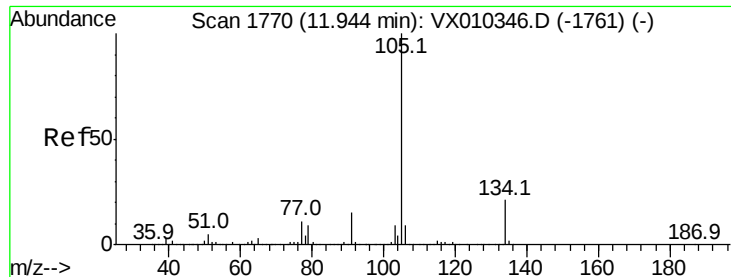
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#84
1,2,4-Trimethylbenzene
Concen: 53.605 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	700760		
120	46.9	23.1	69.2	





#85

sec-Butylbenzene

Concen: 53.867 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061919

Tot Ion:105 Resp: 825984

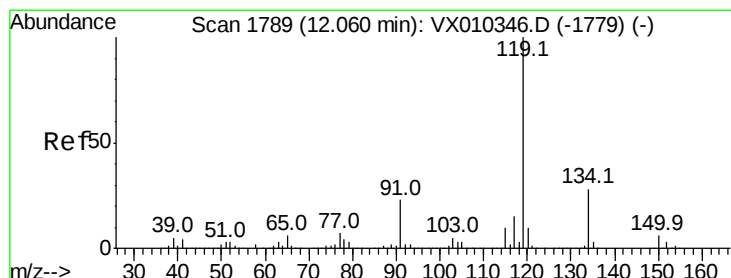
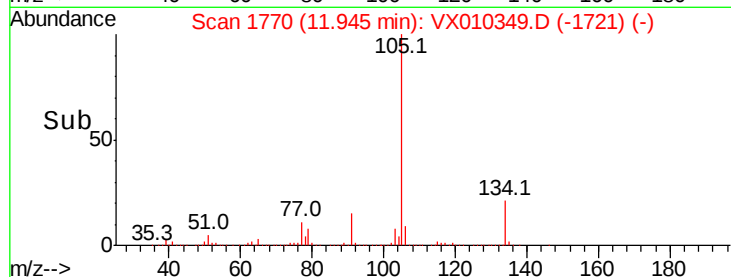
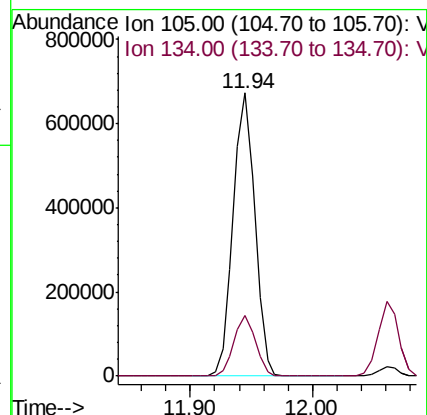
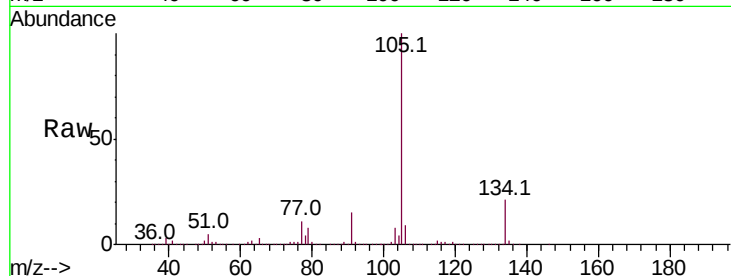
Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 54.459 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

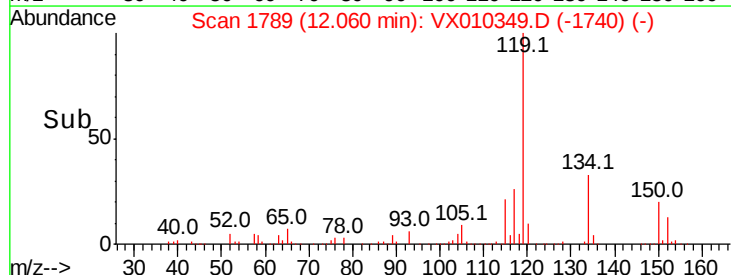
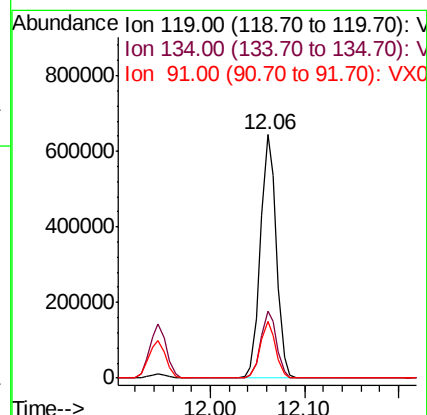
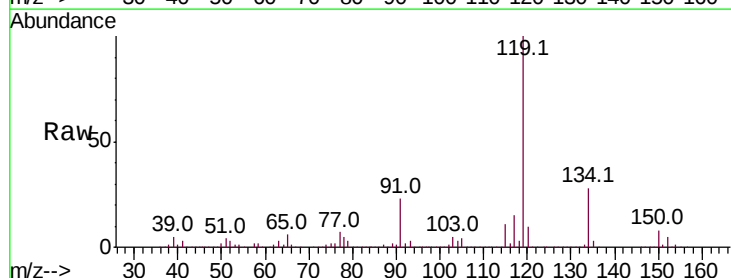
Tgt Ion:119 Resp: 772413

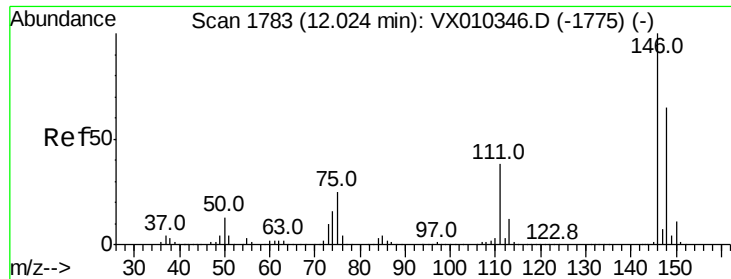
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 22.5 11.3 33.8





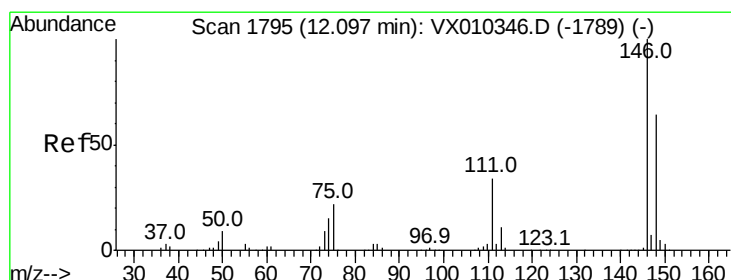
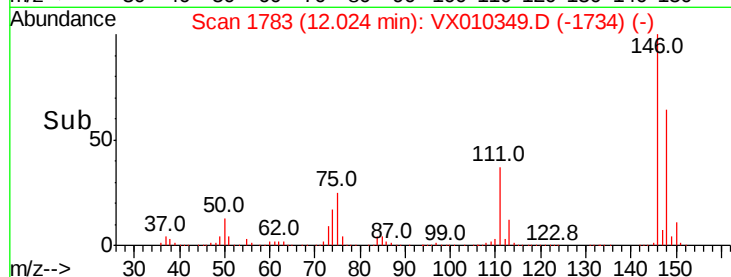
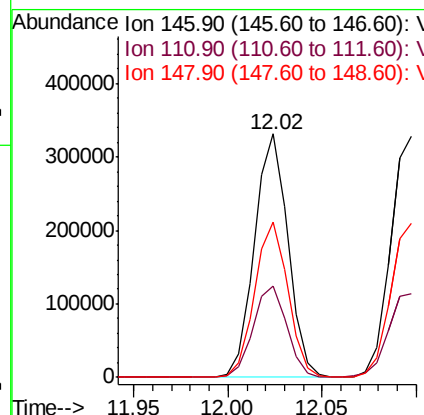
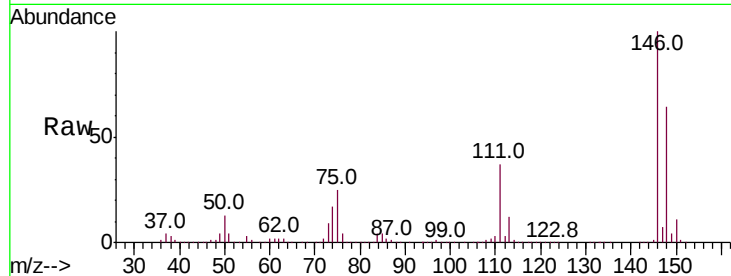
#87
1,3-Dichlorobenzene
Concen: 53.007 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	63.4	32.5	97.4

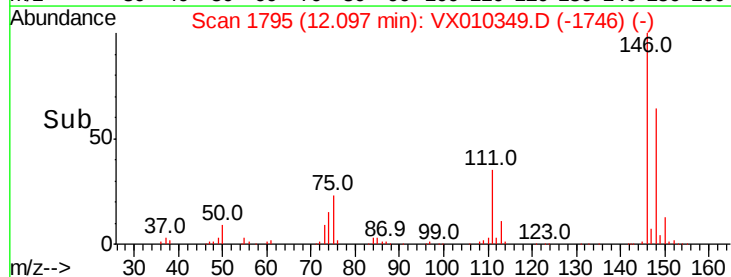
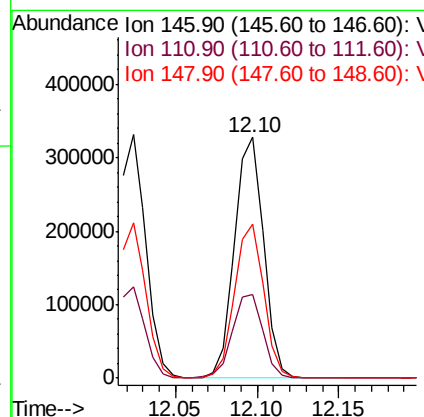
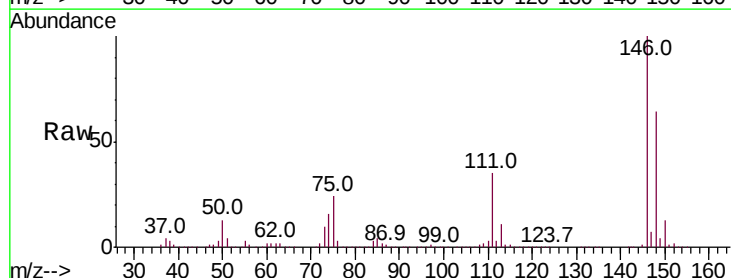
Manual Integrations
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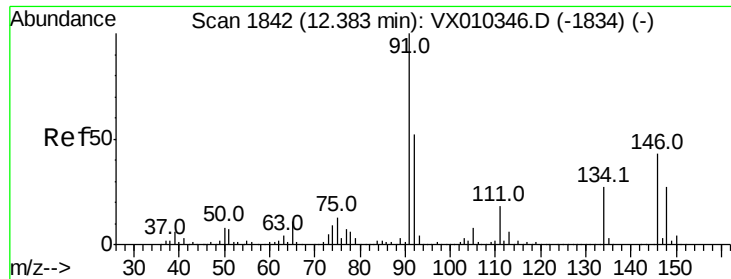
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6/20/2019 1:23:42 PM



#88
1,4-Dichlorobenzene
Concen: 51.990 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.3
148	64.0	32.1	96.3





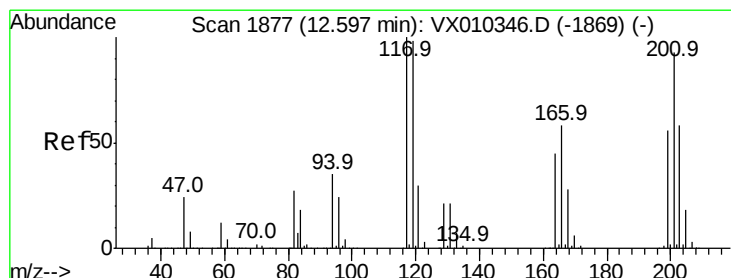
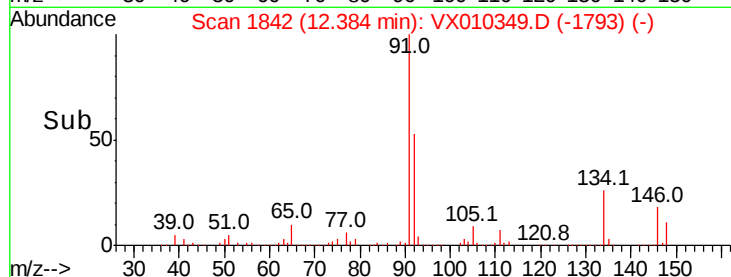
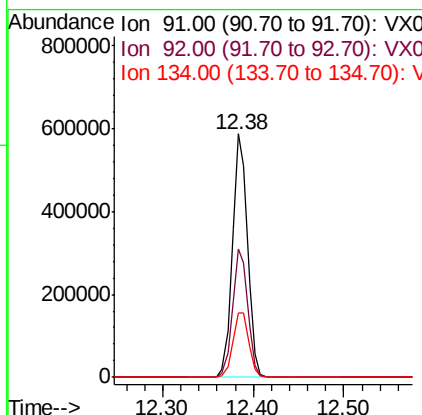
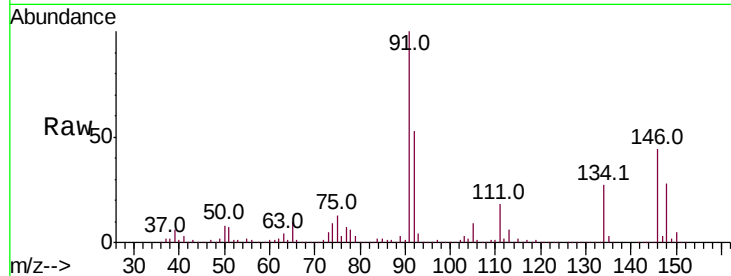
#89
n-Butylbenzene
Concen: 57.084 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.2	78.5
134	28.1	14.1	42.4

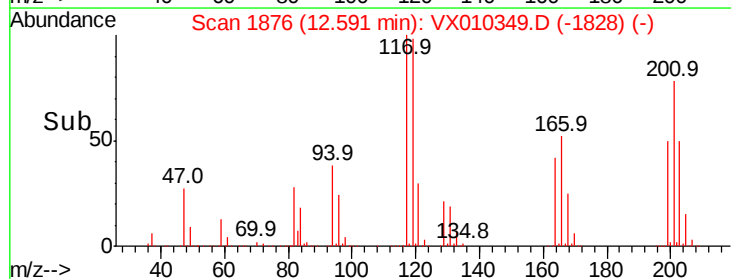
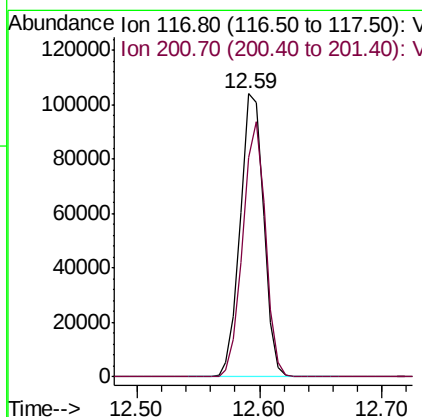
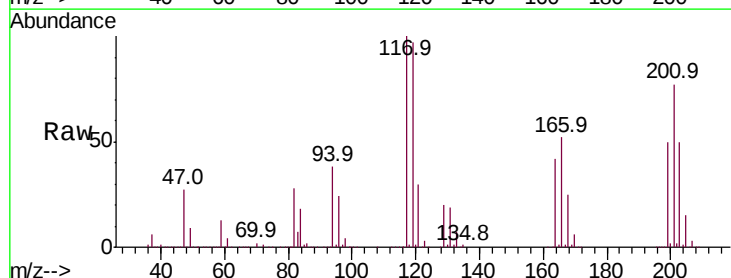
Manual Integrations
APPROVED

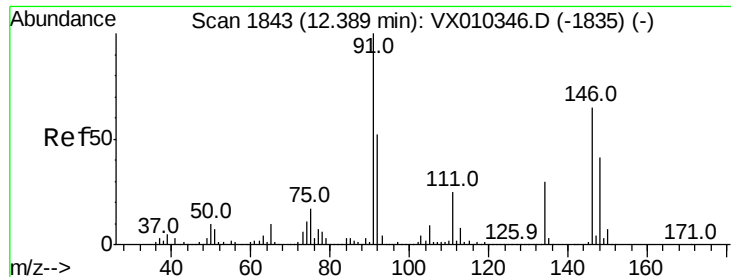
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#90
Hexachloroethane
Concen: 56.131 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	44.0	131.8





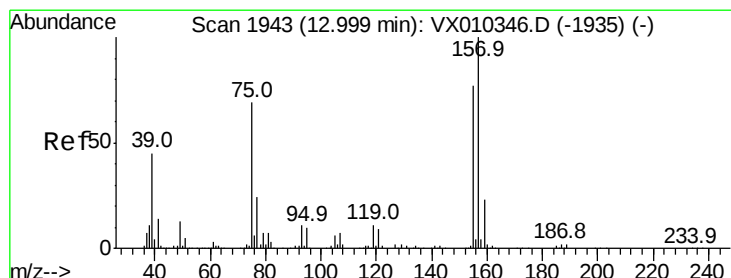
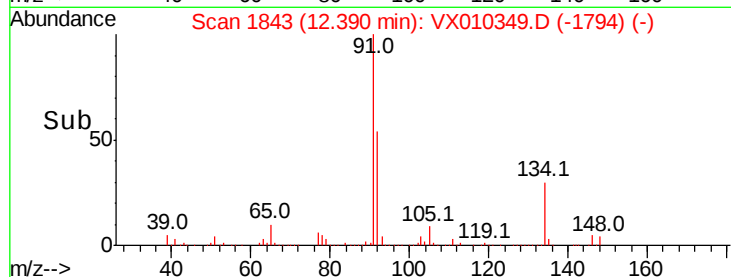
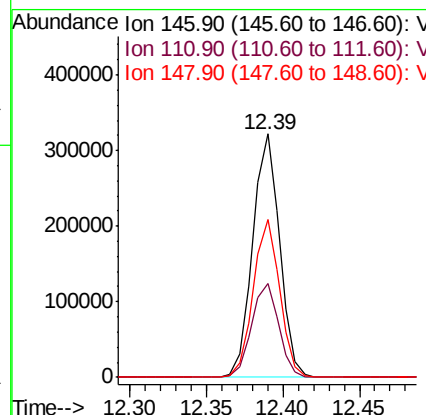
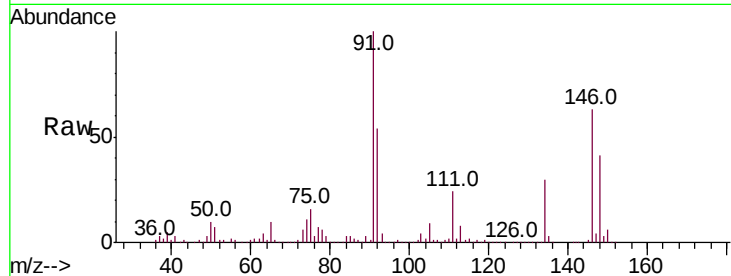
#91
 1,2-Dichlorobenzene
 Concen: 51.395 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010349.D
 Acq: 19 Jun 2019 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061919

Tot Ion	Ratio	Resp	Lower	Upper
146	100	392963		
111	38.9	19.2	57.6	
148	64.0	32.0	96.0	

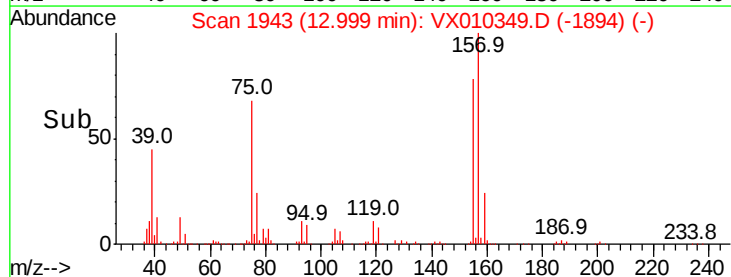
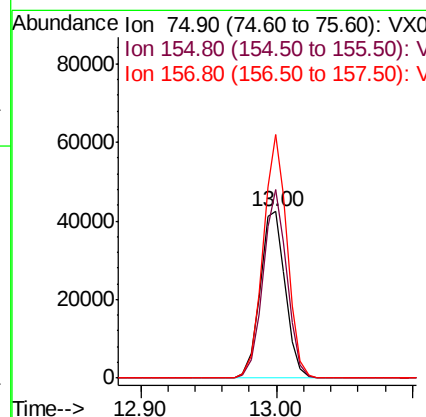
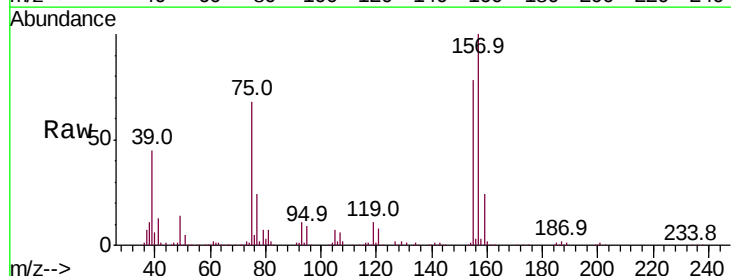
Manual Integrations
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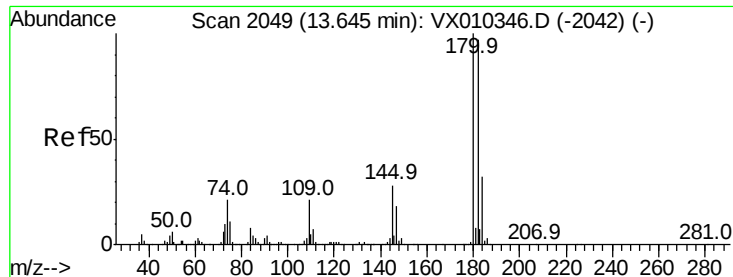
MMDadoda
 6/20/2019 1:23:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.213 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010349.D
 Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	55463		
155	106.4	54.4	163.1	
157	137.9	69.5	208.3	





#93

1,2,4-Trichlorobenzene

Concen: 55.030 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Instrument :

MSVOA_X

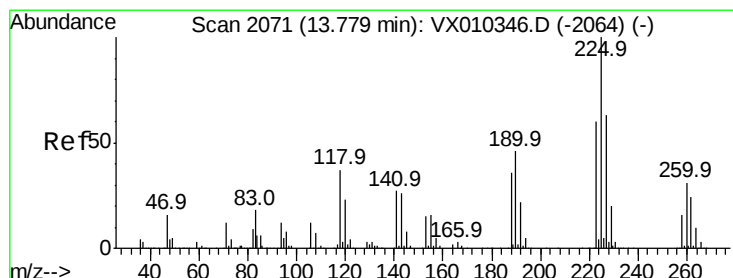
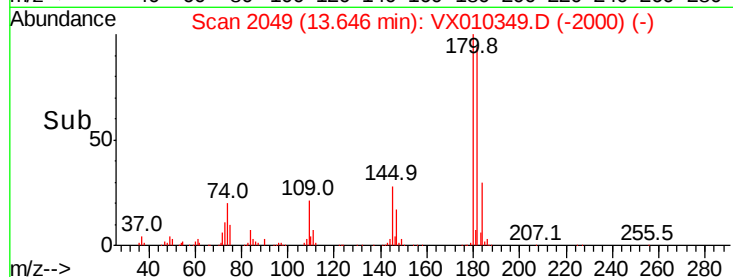
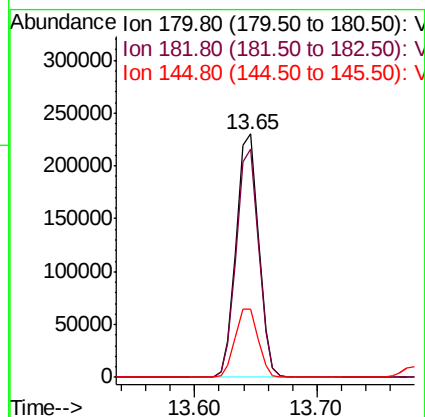
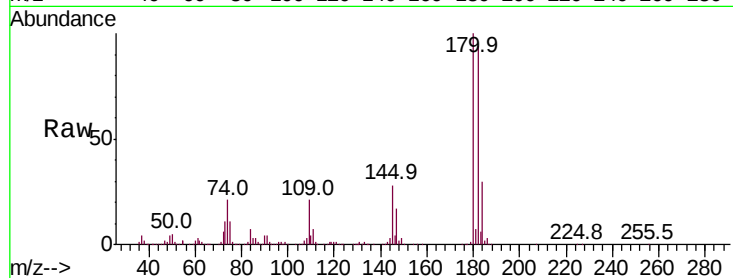
ClientSampleId :

ICVVX061919

Tot Ion:	180	Resp:	291793
Ion Ratio	Lower	Upper	
180	100		
182	94.0	48.0	144.0
145	28.8	14.4	43.4

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 54.149 ug/l

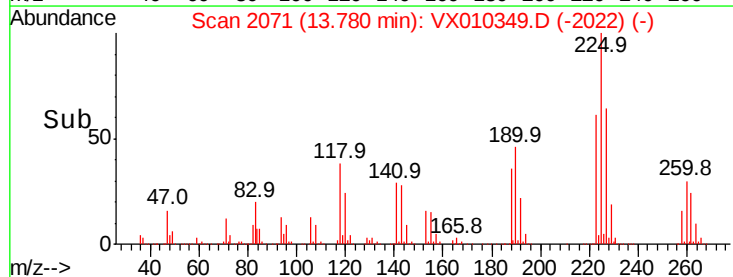
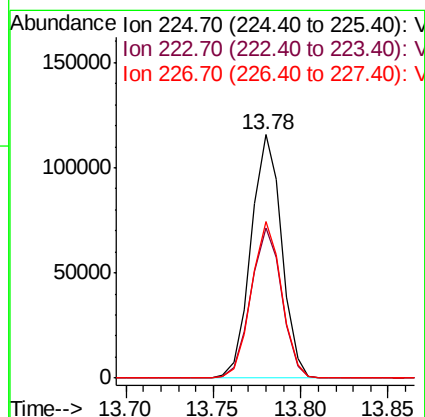
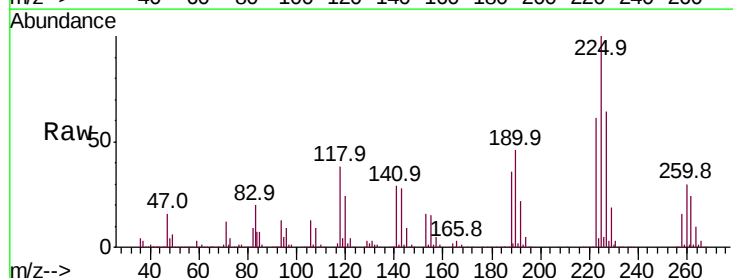
RT: 13.78 min Scan# 2071

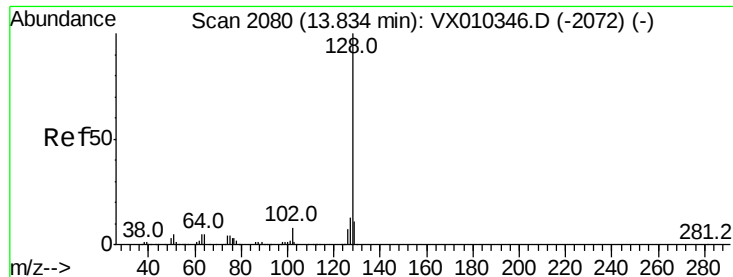
Delta R.T. 0.00 min

Lab File: VX010349.D

Acq: 19 Jun 2019 15:39

Tgt Ion:	225	Resp:	140326
Ion Ratio	Lower	Upper	
225	100		
223	62.2	30.9	92.7
227	63.7	31.9	95.5





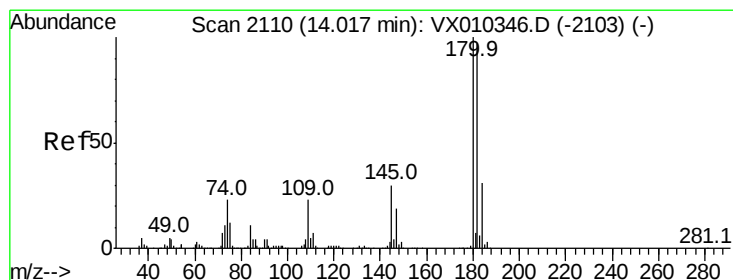
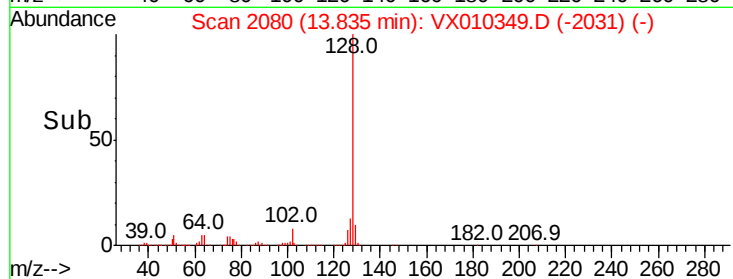
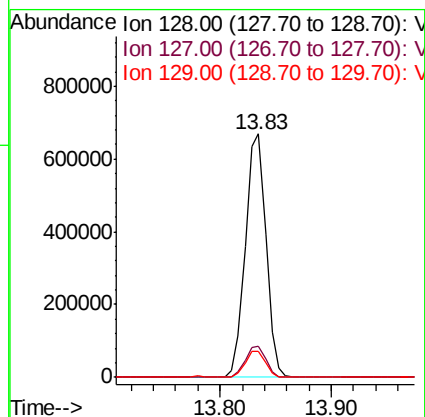
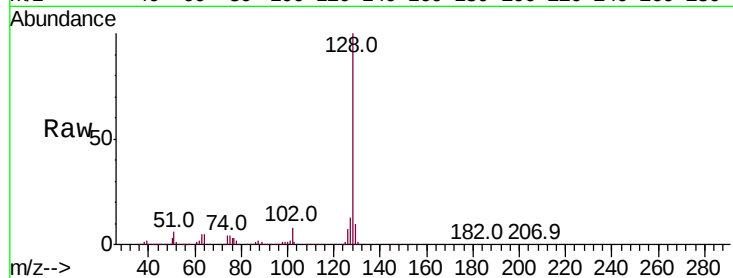
#95
Naphthalene
Concen: 52.666 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061919

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.473 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010349.D
Acq: 19 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.8	143.3
145	31.1	15.2	45.6

