

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052819\
 Data File : VX009911.D
 Acq On : 28 May 2019 13:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX052819

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:25:08 AM

Quant Time: May 29 04:23:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	181725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280929	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	130741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	123589	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	5.49	113	88265	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	8.71	98	368084	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.13	95	136837	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	129697	58.405	ug/l	100
3) Chloromethane	1.32	50	156798	52.523	ug/l	100
4) Vinyl Chloride	1.41	62	140346	52.150	ug/l	99
5) Bromomethane	1.64	94	85964	52.721	ug/l	99
6) Chloroethane	1.71	64	81467	49.175	ug/l	100
7) Trichlorofluoromethane	1.92	101	158491	53.294	ug/l	97
8) Diethyl Ether	2.18	74	68959	49.344	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	94962	52.890	ug/l	100
10) Methyl Iodide	2.51	142	97134	44.277	ug/l	99
11) Tert butyl alcohol	3.05	59	153085	242.322	ug/l	100
12) 1,1-Dichloroethene	2.37	96	93674	50.899	ug/l	95
13) Acrolein	2.29	56	105273	236.348	ug/l	100
14) Allyl chloride	2.73	41	230236	51.472	ug/l	99
15) Acrylonitrile	3.14	53	369270	242.595	ug/l	100
16) Acetone	2.44	43	375019	252.850	ug/l	98
17) Carbon Disulfide	2.57	76	289724	51.975	ug/l	99
18) Methyl Acetate	2.77	43	162664	47.134	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	349456	50.295	ug/l	99
20) Methylene Chloride	2.85	84	110359	48.589	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	101764	49.696	ug/l	98
22) Diisopropyl ether	3.85	45	432455	50.812	ug/l	87
23) Vinyl Acetate	3.81	43	1964033	256.880	ug/l	100
24) 1,1-Dichloroethane	3.70	63	207653	50.346	ug/l	99
25) 2-Butanone	4.67	43	576207	249.359	ug/l	100
26) 2,2-Dichloropropane	4.58	77	162973	52.235	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	116383	49.236	ug/l	97
28) Bromochloromethane	5.01	49	96662	45.162	ug/l	100
29) Tetrahydrofuran	5.12	42	366385	247.257	ug/l	100
30) Chloroform	5.21	83	187099	50.299	ug/l	98
31) Cyclohexane	5.57	56	212298	54.345	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	158831	52.431	ug/l	99
36) 1,1-Dichloropropene	5.79	75	150793	52.903	ug/l	99
37) Ethyl Acetate	4.83	43	210814	53.080	ug/l	99
38) Carbon Tetrachloride	5.78	117	134752	54.708	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	192682	56.989	ug/l	99
40) Benzene	6.14	78	452227	53.484	ug/l	100
41) Methacrylonitrile	5.04	41	119624	51.546	ug/l	99
42) 1,2-Dichloroethane	6.19	62	163101	52.177	ug/l	100
43) Isopropyl Acetate	6.44	43	334318	52.169	ug/l	99
44) Trichloroethene	7.21	130	107806	52.490	ug/l	98
45) 1,2-Dichloropropane	7.51	63	127221	52.268	ug/l	97
46) Dibromomethane	7.66	93	72597	50.670	ug/l	100
47) Bromodichloromethane	7.90	83	147766	54.236	ug/l	99
48) Methyl methacrylate	7.77	41	168661	53.166	ug/l	100
49) 1,4-Dioxane	7.73	88	60602	1026.997	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1096889	263.124	ug/l	100
52) Toluene	8.78	92	275156	53.597	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	176761	54.097	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	193301	54.296	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	107652	52.099	ug/l	97
56) Ethyl methacrylate	9.18	69	203614	55.350	ug/l	100
57) 1,3-Dichloropropane	9.37	76	193112	52.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	582638	302.042	ug/l	99
59) 2-Hexanone	9.49	43	864148	269.246	ug/l	100
60) Dibromochloromethane	9.58	129	109201	53.725	ug/l	99
61) 1,2-Dibromoethane	9.67	107	111421	52.487	ug/l	100
64) Tetrachloroethene	9.34	164	96613	53.669	ug/l	96
65) Chlorobenzene	10.13	112	283341	52.515	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	101807	54.403	ug/l	100
67) Ethyl Benzene	10.25	91	530597	54.771	ug/l	99
68) m/p-Xylenes	10.35	106	394573	110.249	ug/l	99
69) o-Xylene	10.69	106	188321	54.867	ug/l	100
70) Styrene	10.71	104	333797	55.460	ug/l	100
71) Bromoform	10.85	173	85970	56.202	ug/l	98
73) Isopropylbenzene	11.02	105	510018	52.871	ug/l	100
74) N-amyl acetate	10.90	43	305011	52.915	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	179178	49.788	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	162554m	51.994	ug/l	
77) Bromobenzene	11.25	156	125033	50.861	ug/l	98
78) n-propylbenzene	11.36	91	607459	54.633	ug/l	100
79) 2-Chlorotoluene	11.42	91	352090	51.828	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	436422	53.702	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	65710	52.001	ug/l	98
82) 4-Chlorotoluene	11.51	91	414500	52.414	ug/l	100
83) tert-Butylbenzene	11.77	119	416157	53.526	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	437470	53.007	ug/l	100
85) sec-Butylbenzene	11.94	105	501911	54.263	ug/l	100
86) p-Isopropyltoluene	12.06	119	464885	55.878	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	226354	51.718	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	226224	50.683	ug/l	99
89) n-Butylbenzene	12.38	91	441158	56.423	ug/l	100
90) Hexachloroethane	12.59	117	79129	55.422	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	220004	50.985	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41326	48.785	ug/l	99

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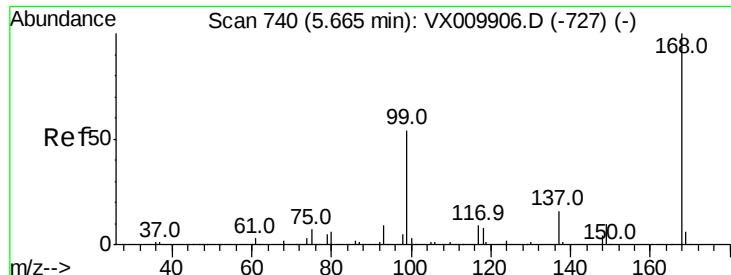
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	162067	52.557	ug/l	99
94) Hexachlorobutadiene	13.78	225	84904	54.894	ug/l	99
95) Naphthalene	13.83	128	497892	51.885	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	158825	51.455	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion:168 Resp: 181725

Ion Ratio Lower Upper

168 100

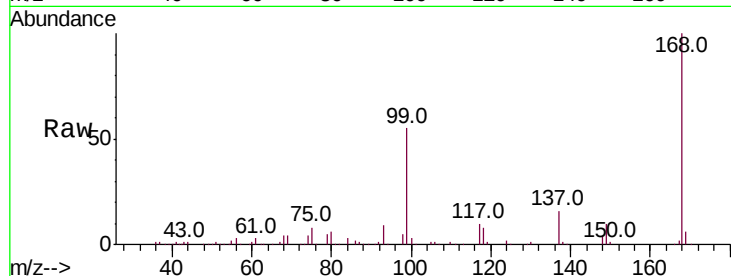
99 55.0 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

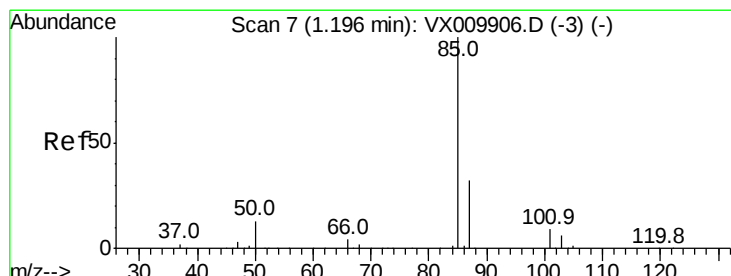
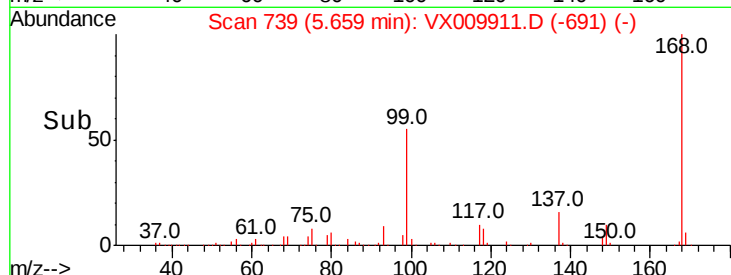
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 58.405 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009911.D

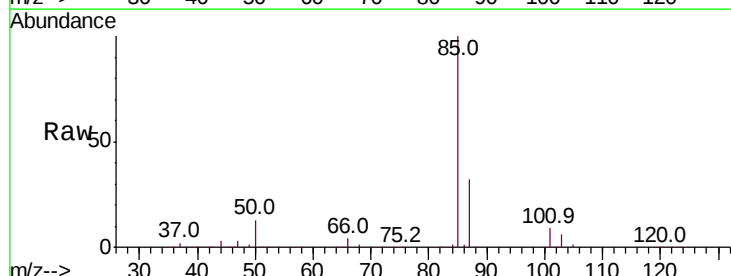
Acq: 28 May 2019 13:22

Tgt Ion: 85 Resp: 129697

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

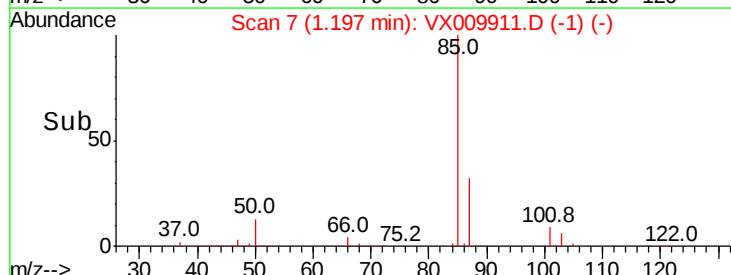
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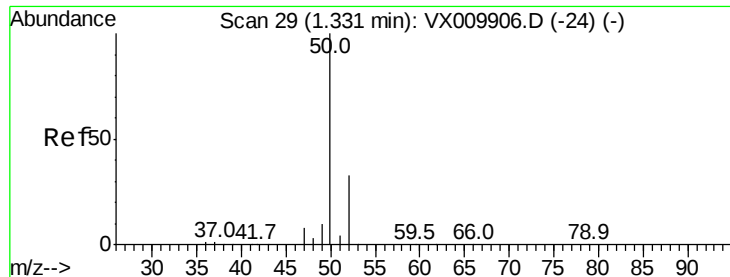
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 52.523 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion: 50 Resp: 156798

Ion Ratio Lower Upper

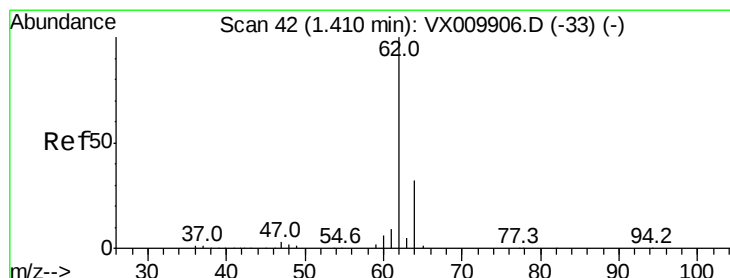
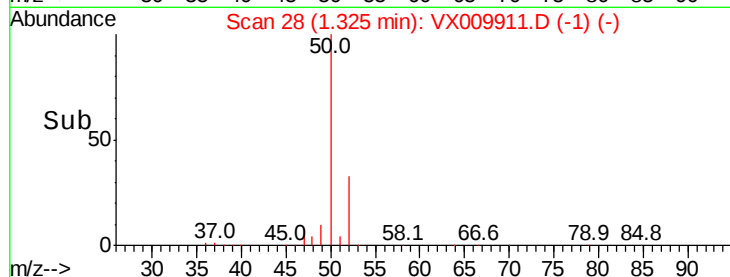
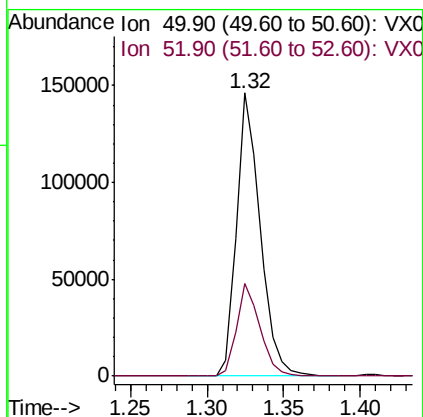
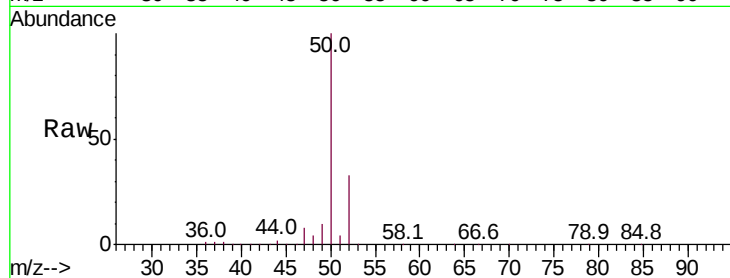
50 100

52 32.7 26.0 39.0

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#4

Vinyl Chloride

Concen: 52.150 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009911.D

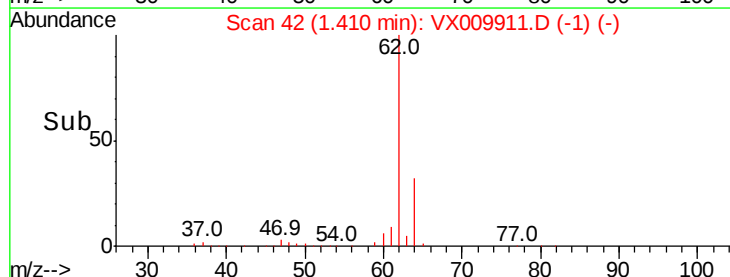
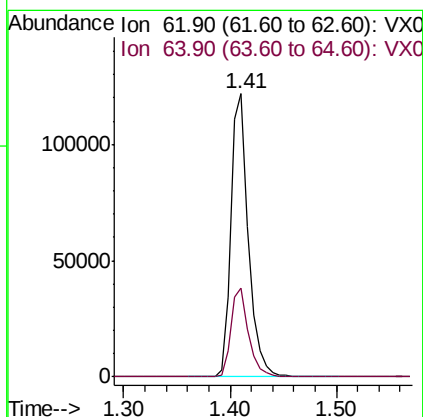
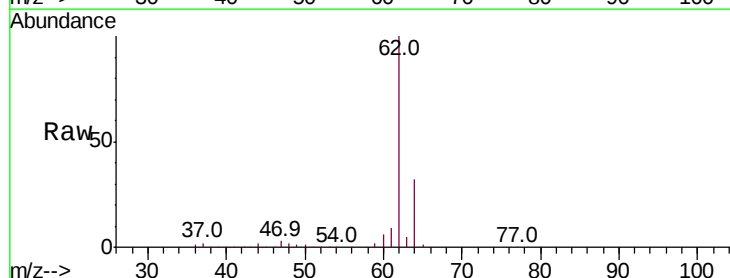
Acq: 28 May 2019 13:22

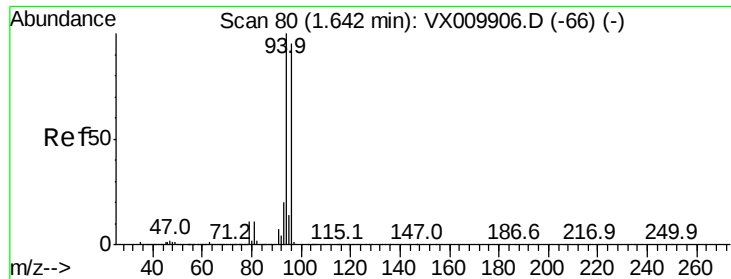
Tgt Ion: 62 Resp: 140346

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 52.721 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion: 94 Resp: 85964

Ion Ratio Lower Upper

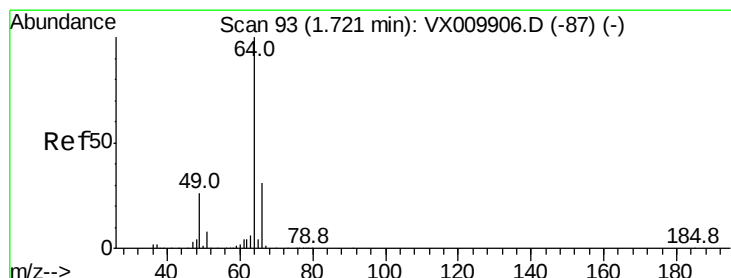
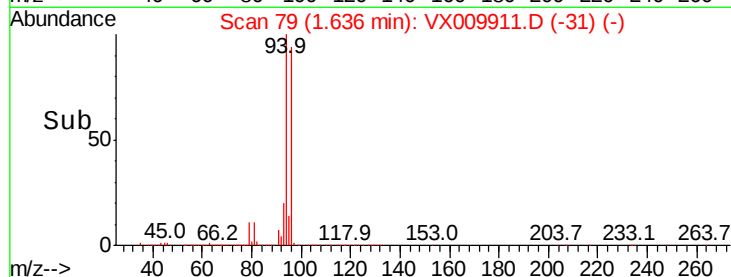
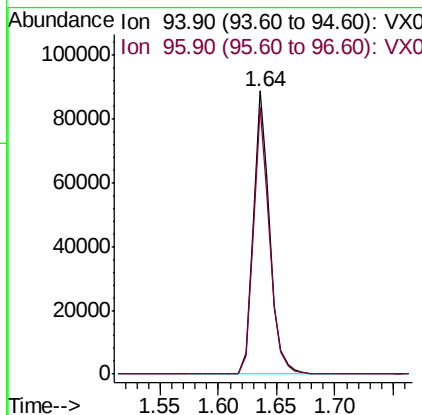
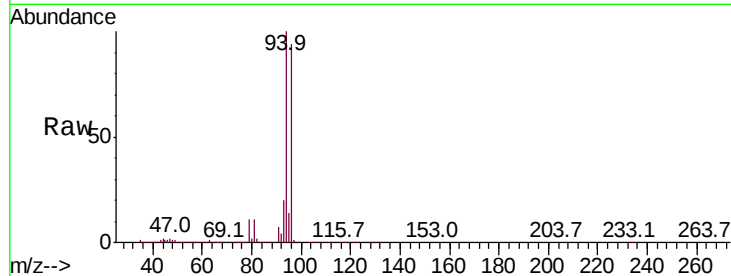
94 100

96 94.2 76.2 114.4

Manual Integrations
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#6

Chloroethane

Concen: 49.175 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009911.D

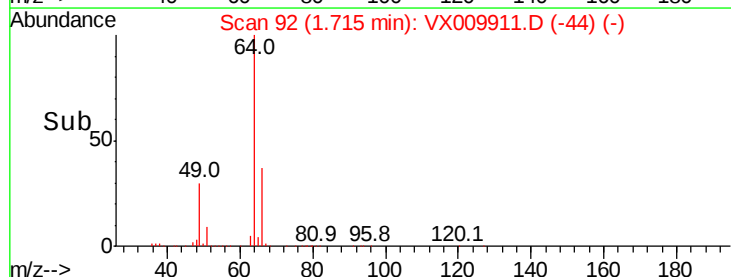
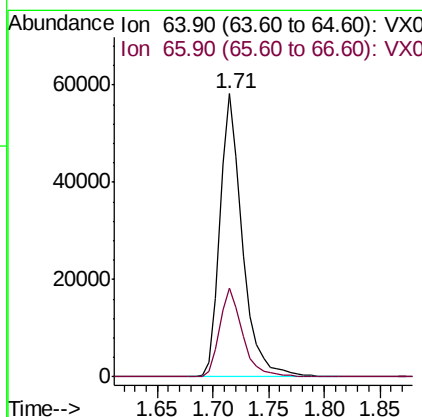
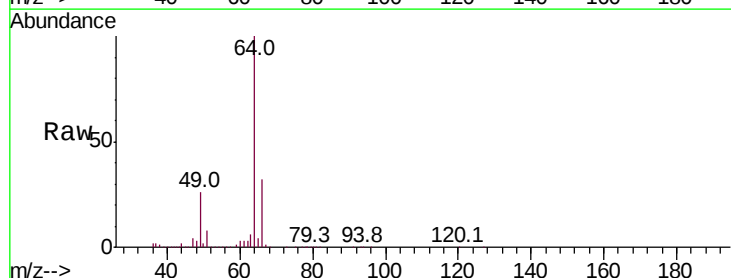
Acq: 28 May 2019 13:22

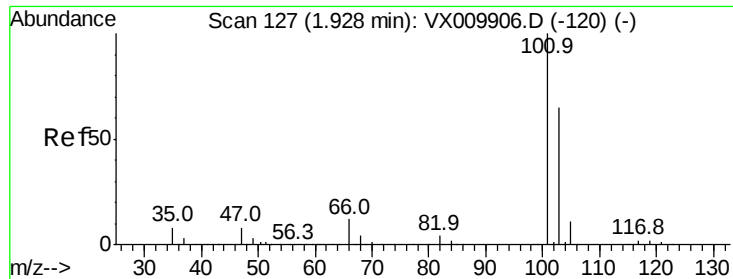
Tgt Ion: 64 Resp: 81467

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7





#7

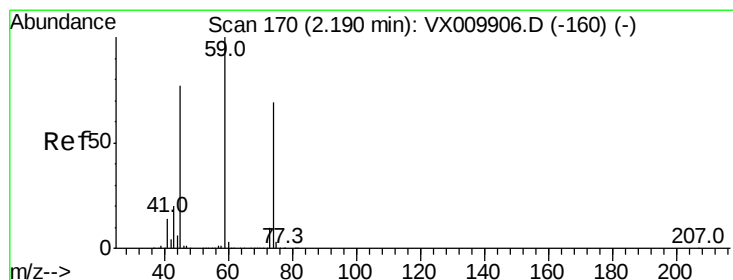
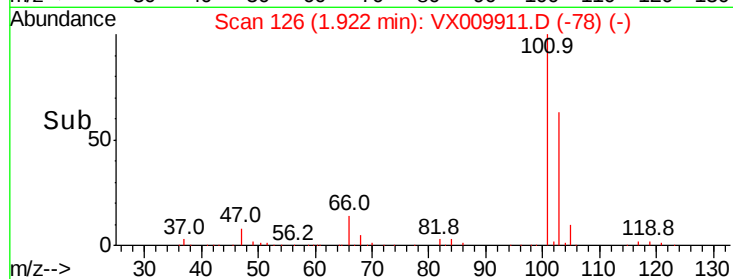
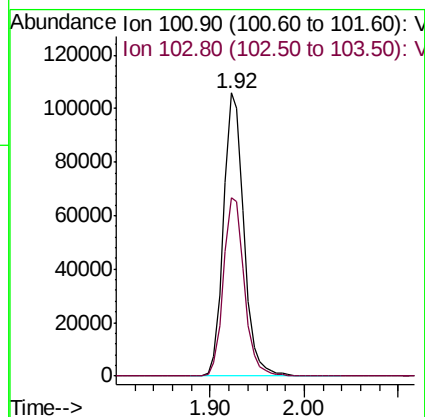
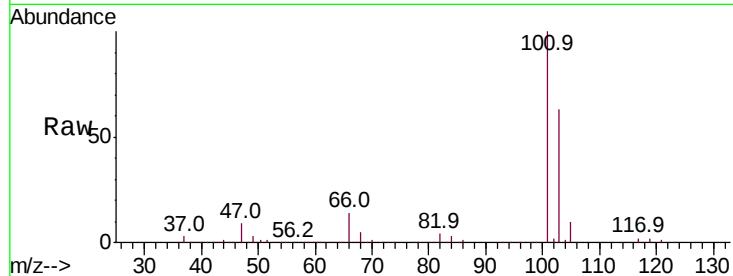
Trichlorofluoromethane
 Concen: 53.294 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052819

Tot Ion:101 Resp: 158491
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.2 78.4

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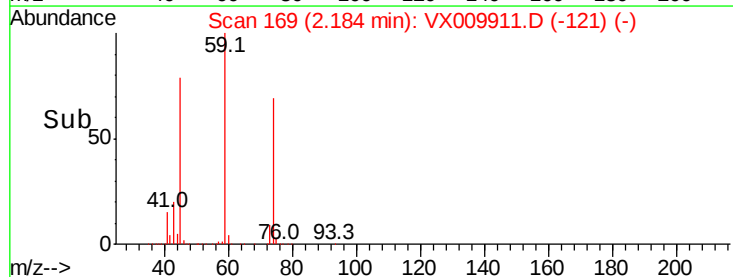
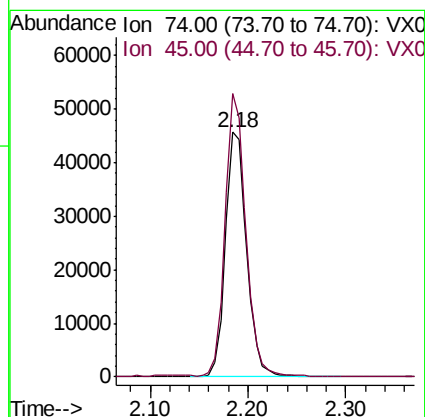
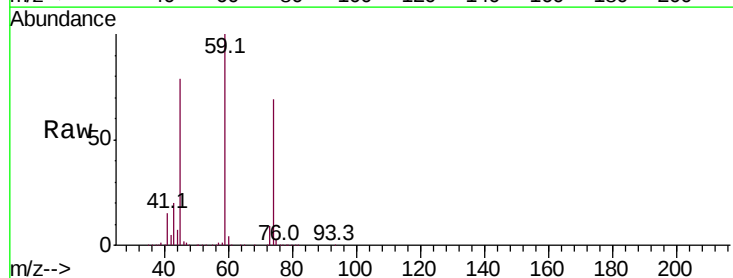
MMDadoda
 5/29/2019 9:25:08 AM

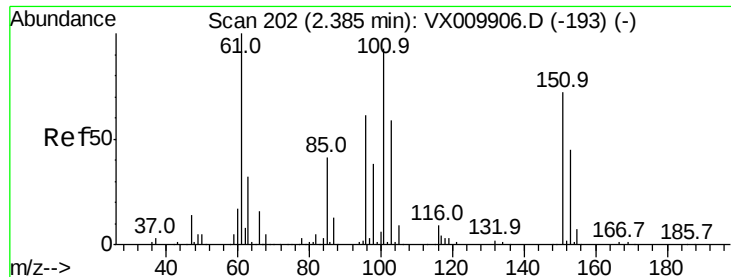


#8

Diethyl Ether
 Concen: 49.344 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Tgt Ion: 74 Resp: 68959
 Ion Ratio Lower Upper
 74 100
 45 111.5 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.890 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

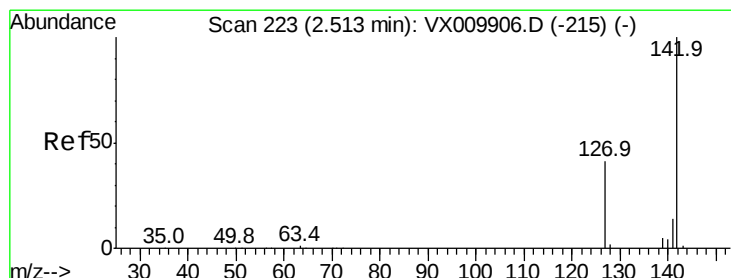
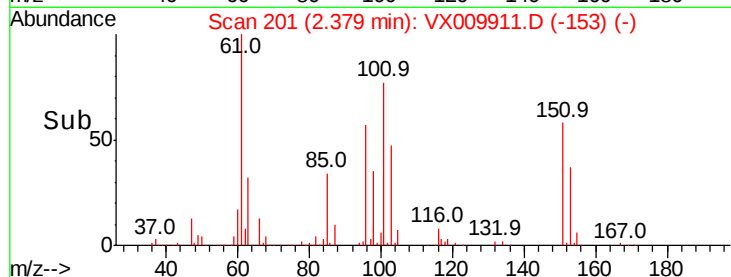
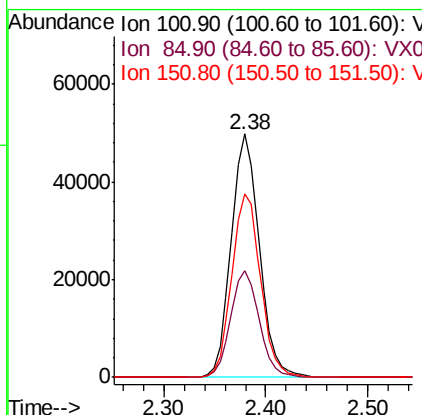
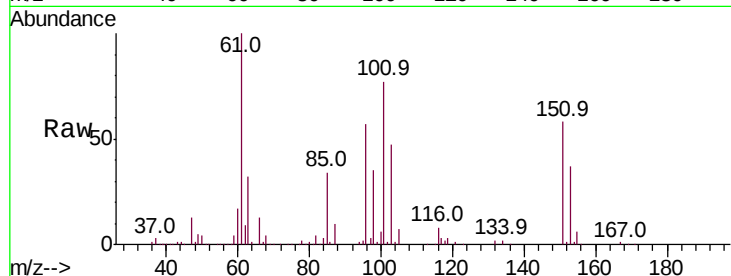
ClientSampleId :

ICVVX052819

Tot Ion:	101	Resp:	94962
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.2	52.8
151	77.0	61.9	92.9

Manual Integrations
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5/29/2019 9:25:08 AM



#10

Methyl Iodide

Concen: 44.277 ug/l

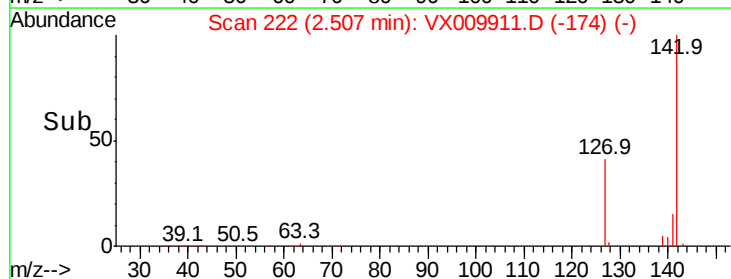
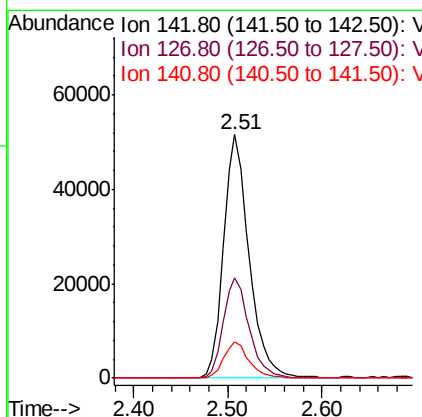
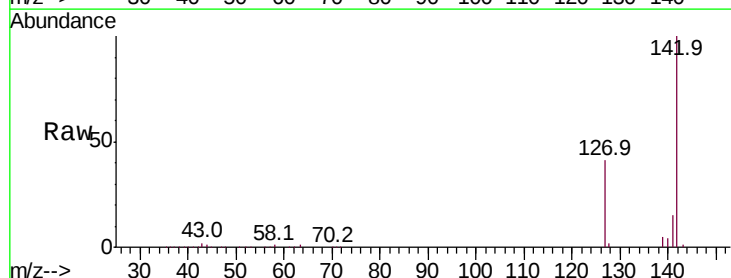
RT: 2.51 min Scan# 222

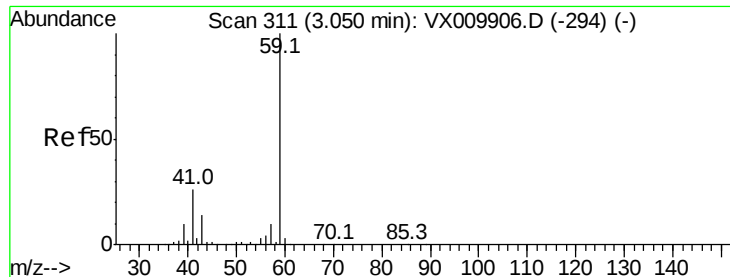
Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Tgt Ion:	142	Resp:	97134
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.0	49.4
141	14.7	11.4	17.0





#11

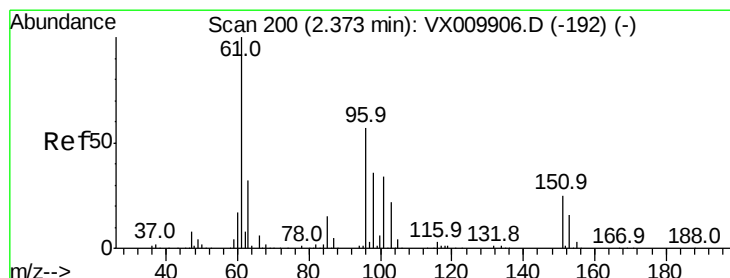
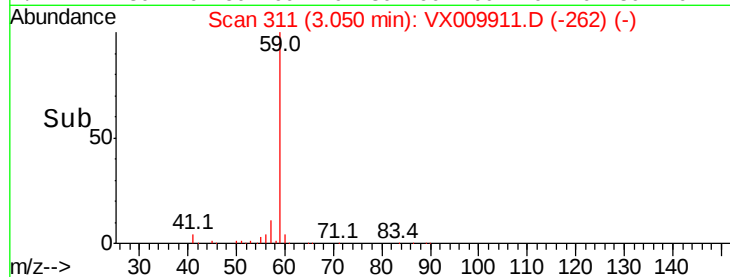
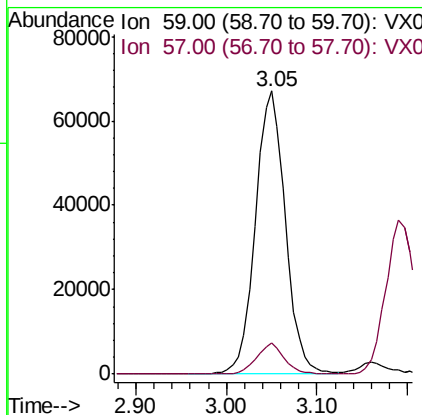
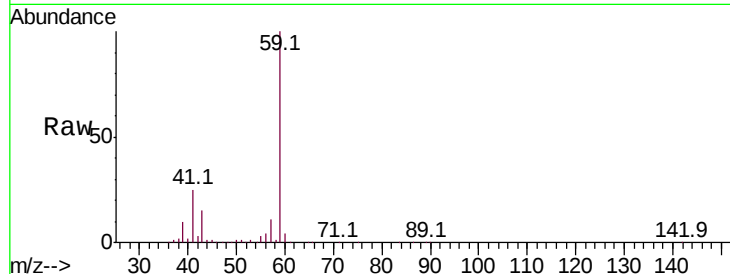
Tert butyl alcohol
Concen: 242.322 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion	59	Resp	153085
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.2

Manual Integrations
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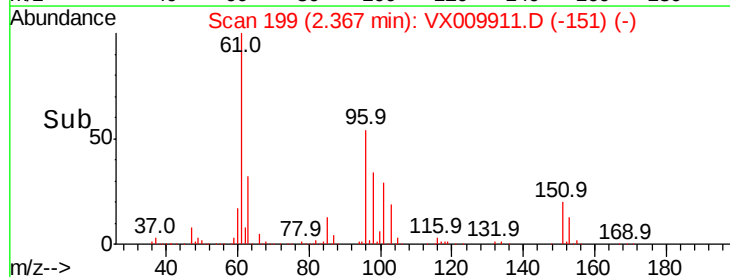
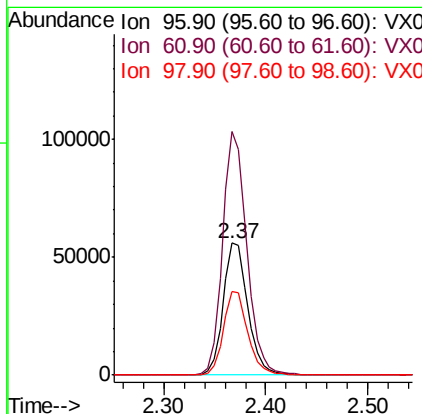
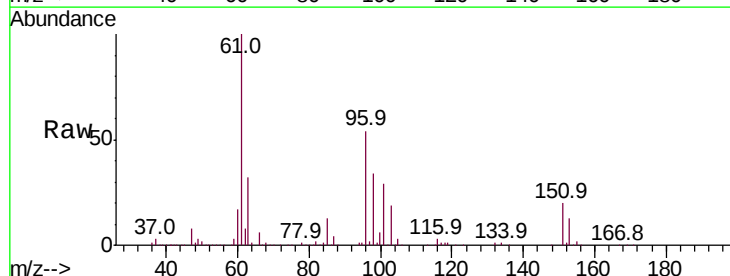
MMDadoda
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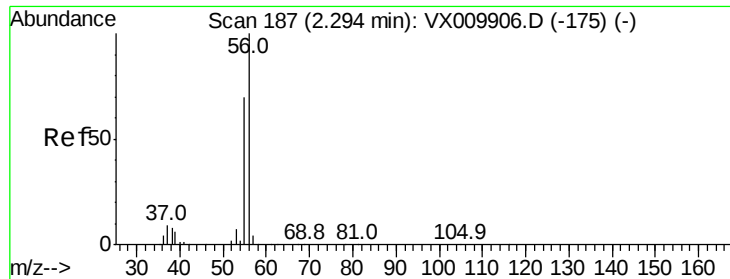


#12

1,1-Dichloroethene
Concen: 50.899 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion	96	Resp	93674
Ion Ratio	100	Lower	Upper
61	184.8	140.7	211.1
98	63.6	50.1	75.1





#13

Acrolein

Concen: 236.348 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion: 56 Resp: 105273

Ion Ratio Lower Upper

56 100

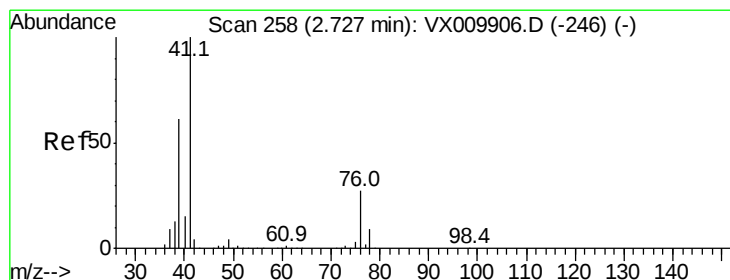
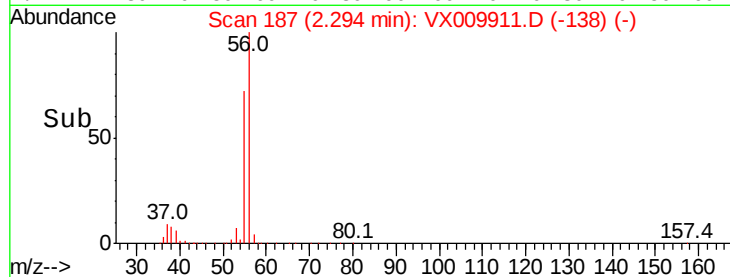
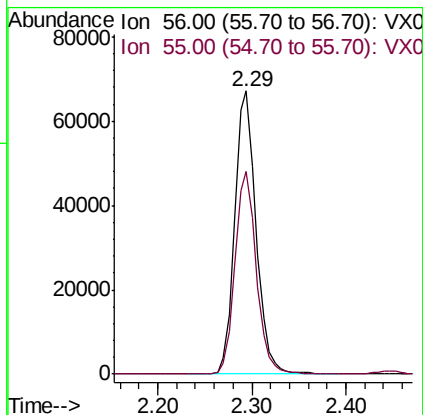
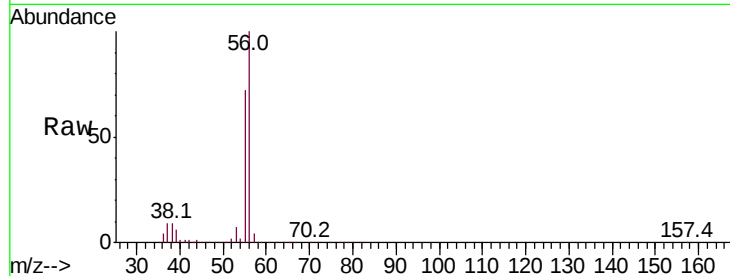
55 71.6 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 51.472 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

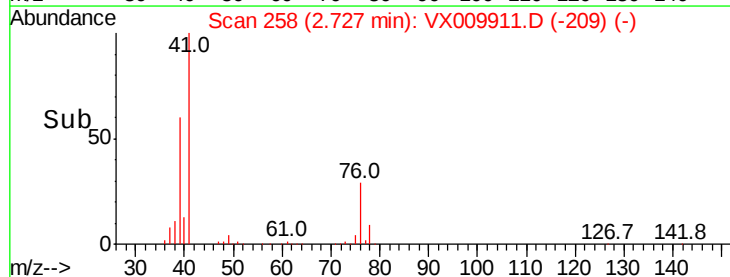
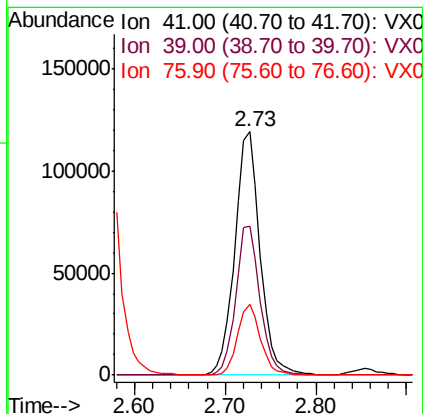
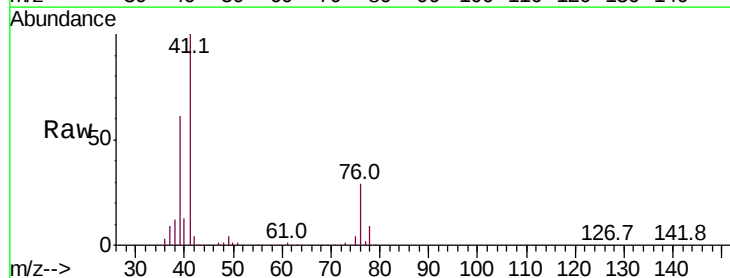
Tgt Ion: 41 Resp: 230236

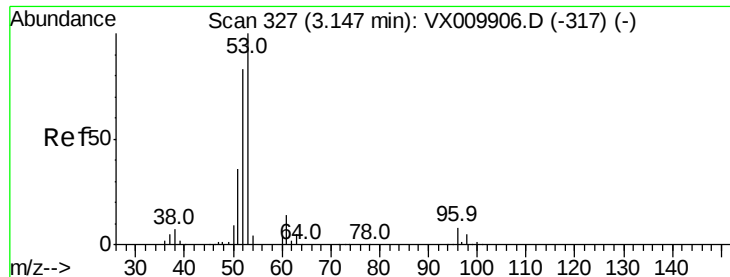
Ion Ratio Lower Upper

41 100

39 58.9 46.7 70.1

76 26.7 21.0 31.4





#15

Acrylonitrile

Concen: 242.595 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion: 53 Resp: 369270

Ion Ratio Lower Upper

53 100

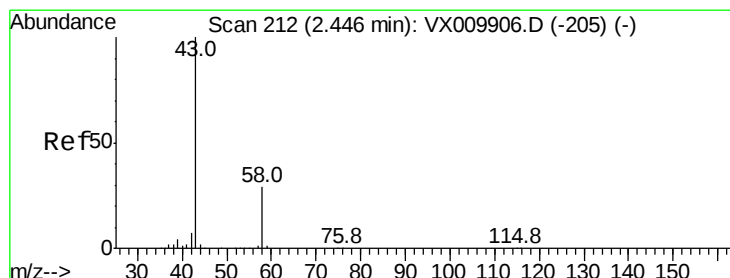
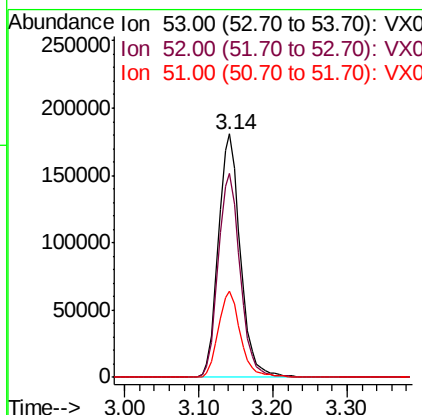
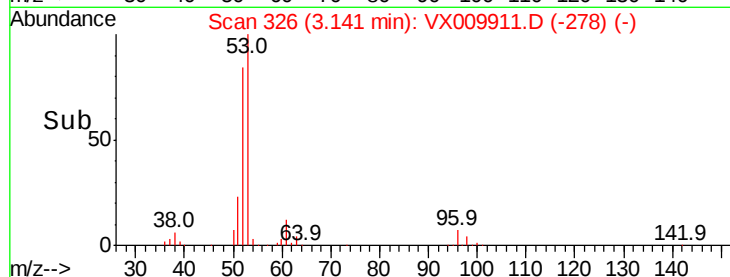
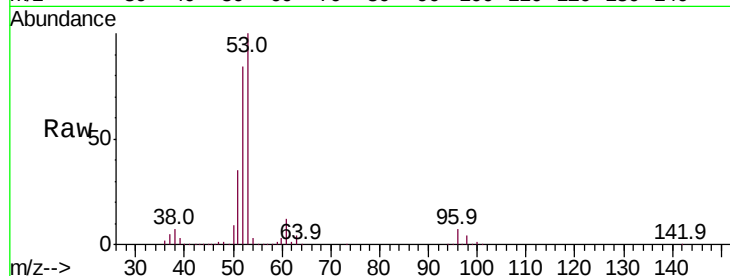
52 83.7 66.7 100.1

51 35.5 28.8 43.2

Manual Integrations
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#16

Acetone

Concen: 252.850 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009911.D

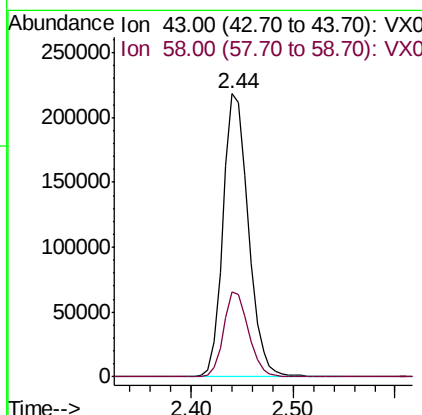
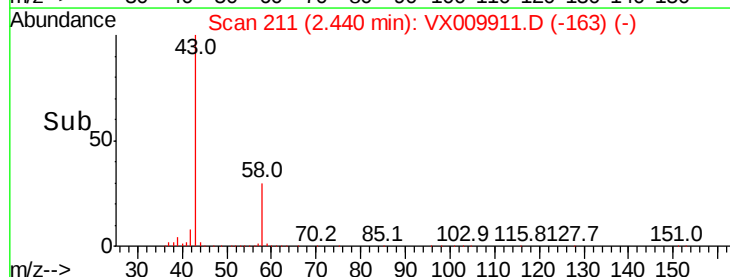
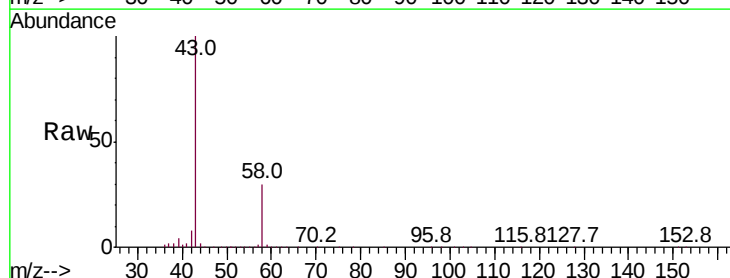
Acq: 28 May 2019 13:22

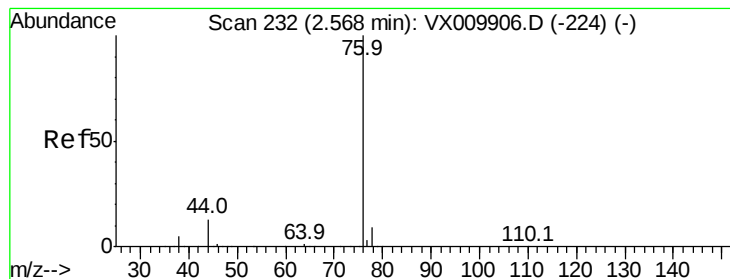
Tgt Ion: 43 Resp: 375019

Ion Ratio Lower Upper

43 100

58 30.1 23.2 34.8





#17

Carbon Disulfide

Concen: 51.975 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion: 76 Resp: 289724

Ion Ratio Lower Upper

76 100

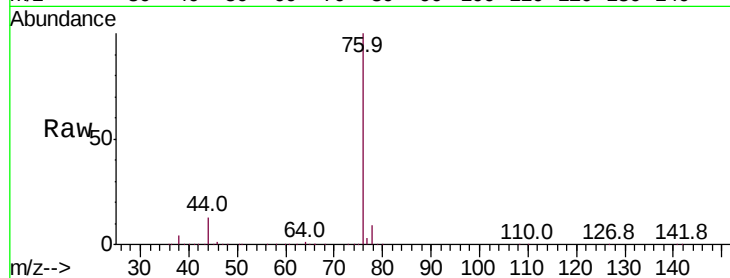
78 9.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

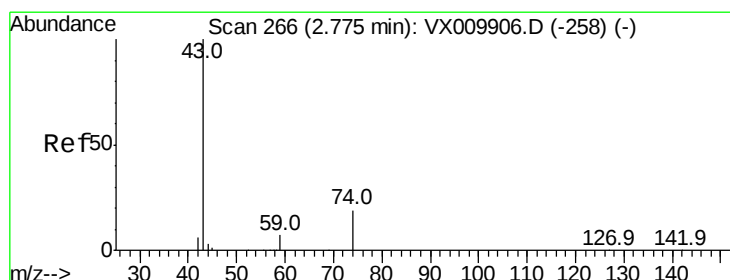
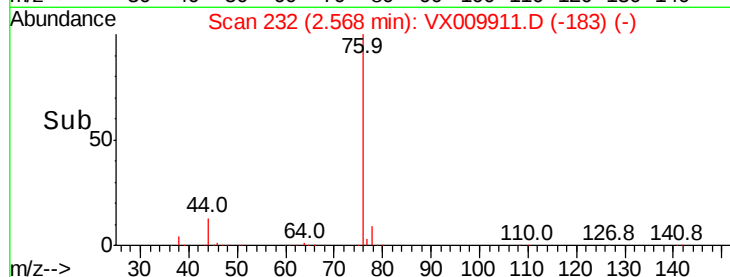
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.134 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009911.D

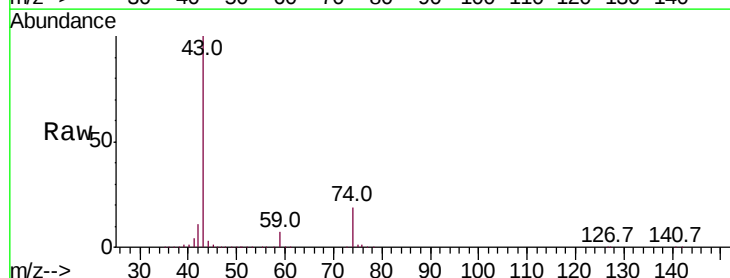
Acq: 28 May 2019 13:22

Tgt Ion: 43 Resp: 162664

Ion Ratio Lower Upper

43 100

74 19.6 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

100000

80000

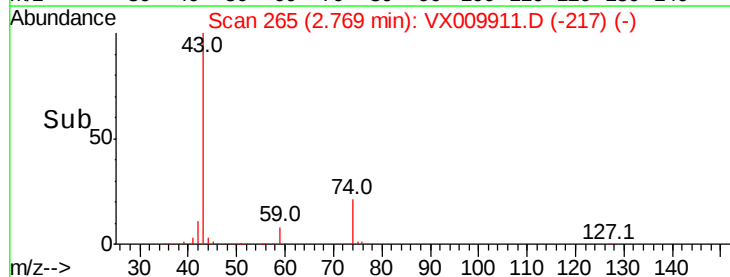
60000

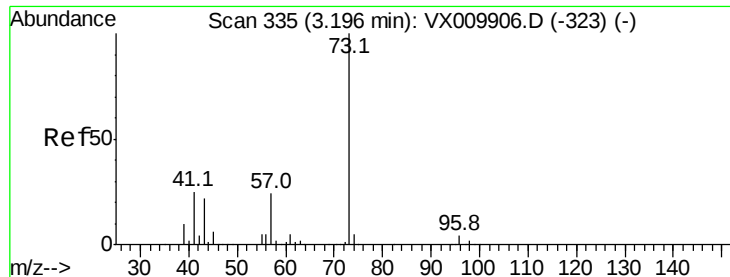
40000

20000

0

Time-->





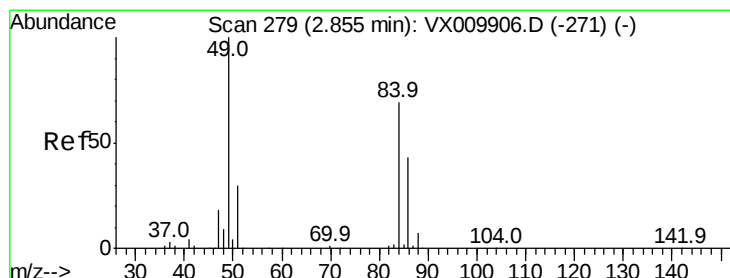
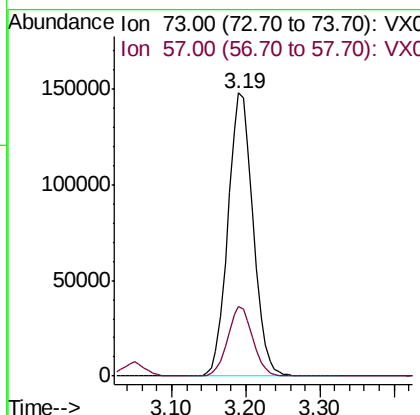
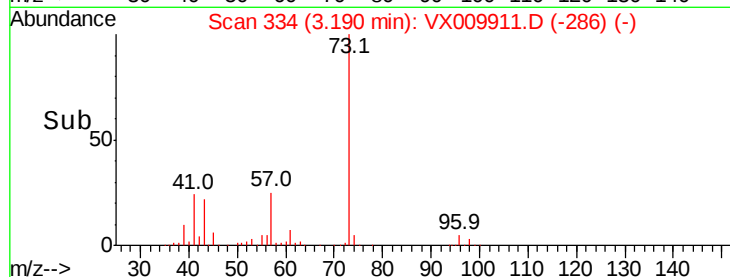
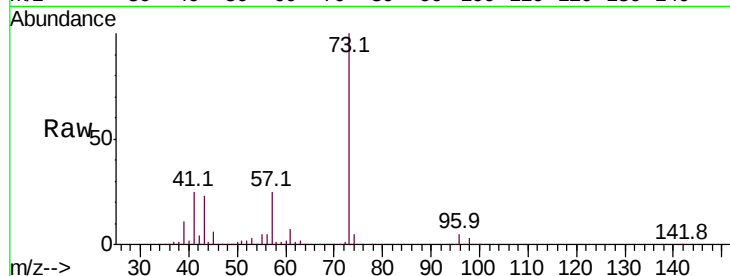
#19
Methvl tert-butvl Ether
Concen: 50.295 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion: 73 Resp: 349456
Ion Ratio Lower Upper
73 100
57 24.6 19.4 29.2

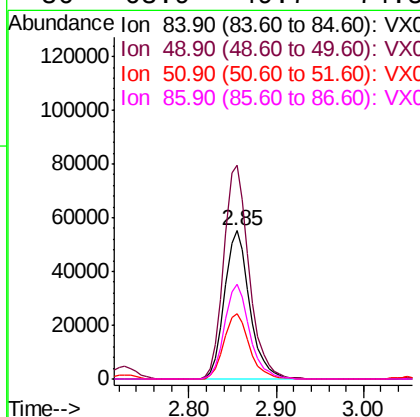
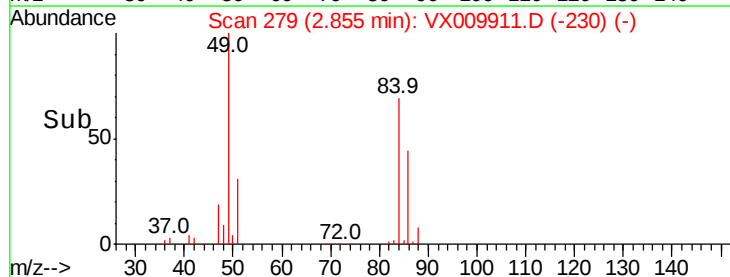
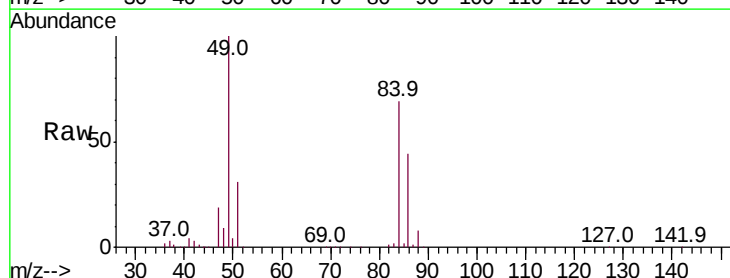
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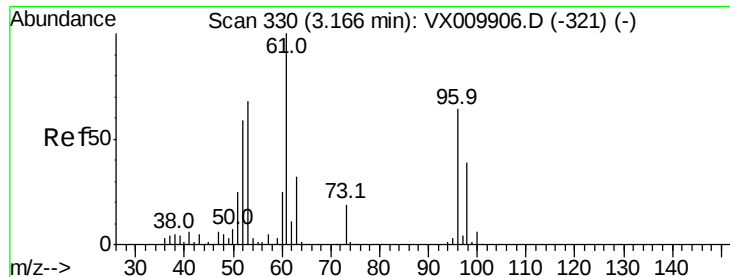
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#20
Methylene Chloride
Concen: 48.589 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion: 84 Resp: 110359
Ion Ratio Lower Upper
84 100
49 144.0 115.8 173.6
51 43.9 34.4 51.6
86 63.9 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 49.696 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion: 96 Resp: 101764

Ion Ratio Lower Upper

96 100

61 160.4 125.7 188.5

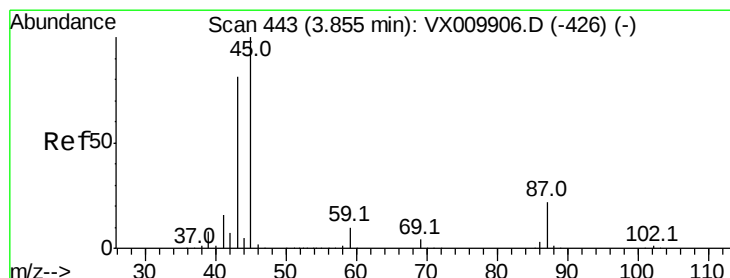
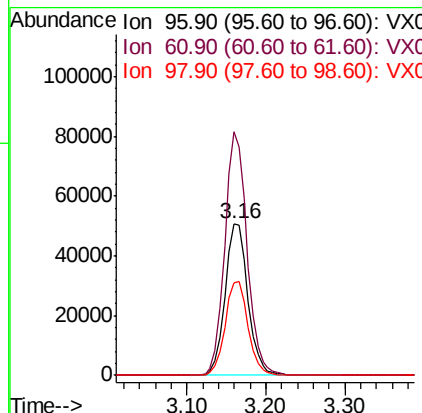
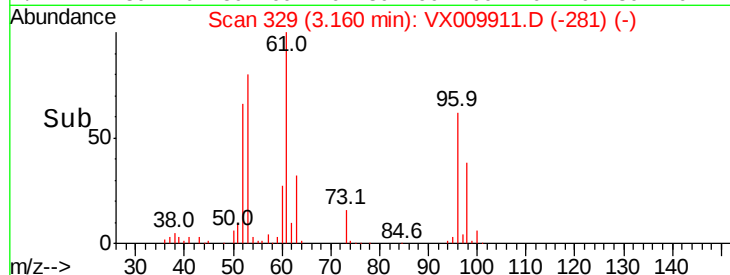
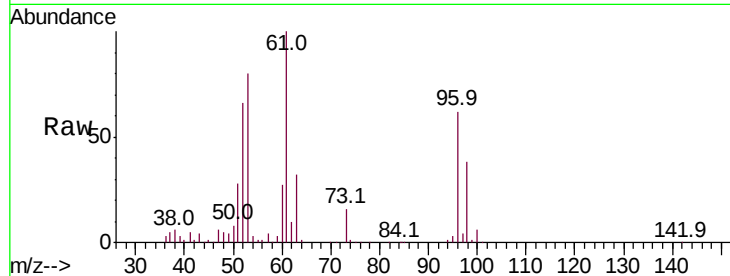
98 61.1 49.0 73.6

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#22

Diisopropyl ether

Concen: 50.812 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Tgt Ion: 45 Resp: 432455

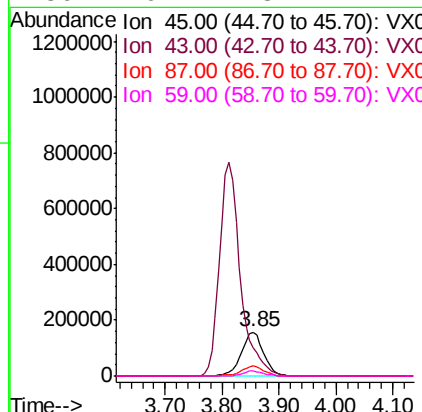
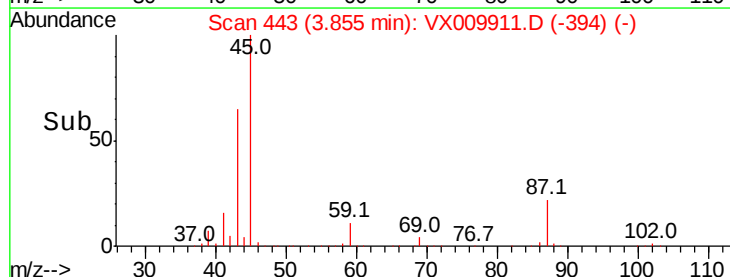
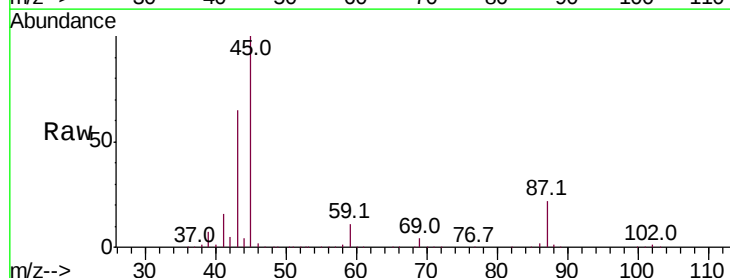
Ion Ratio Lower Upper

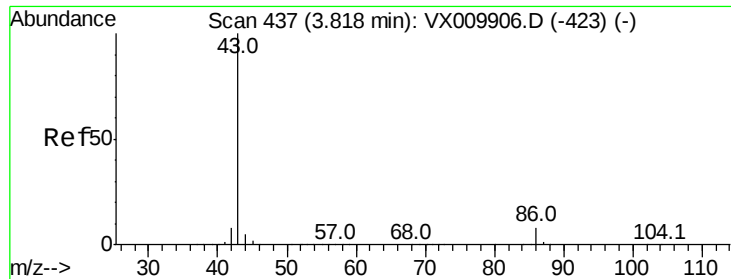
45 100

43 65.3 65.0 97.4

87 22.5 17.3 25.9

59 10.7 8.1 12.1





#23

Vinyl Acetate

Concen: 256.880 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVX052819

Tot Ion: 43 Resp: 1964033

Ion Ratio Lower Upper

43 100

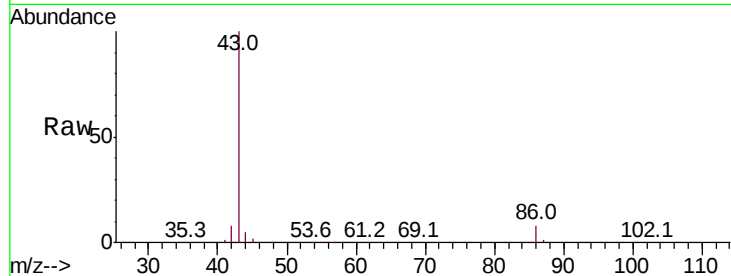
86 8.1 6.5 9.7

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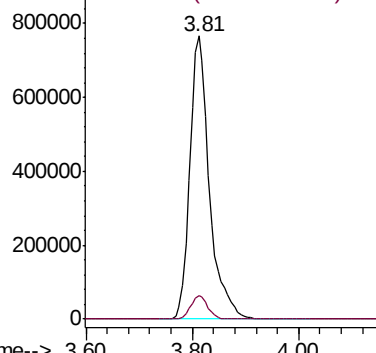
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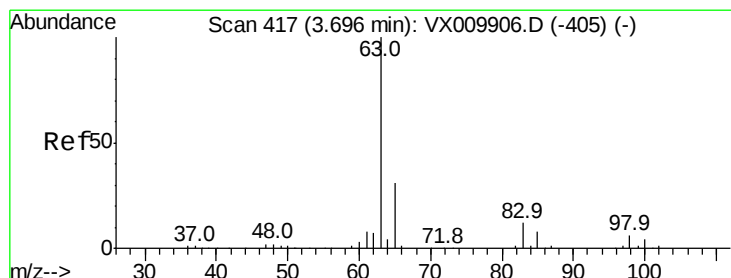
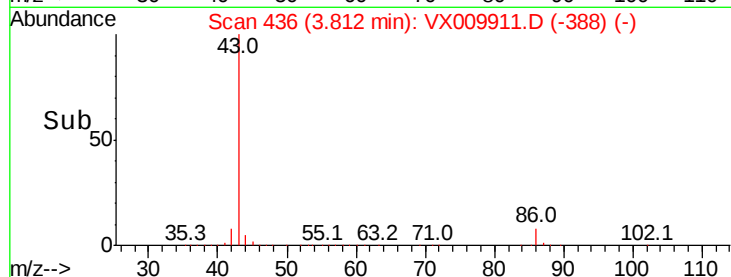


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 50.346 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

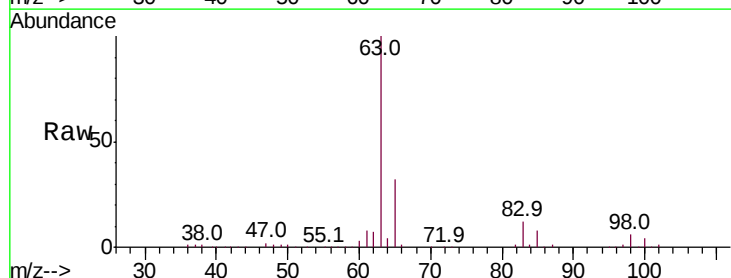
Tgt Ion: 63 Resp: 207653

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

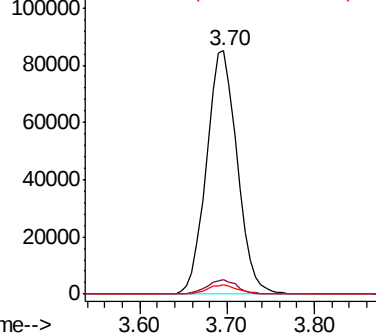
100 3.8 1.8 5.4



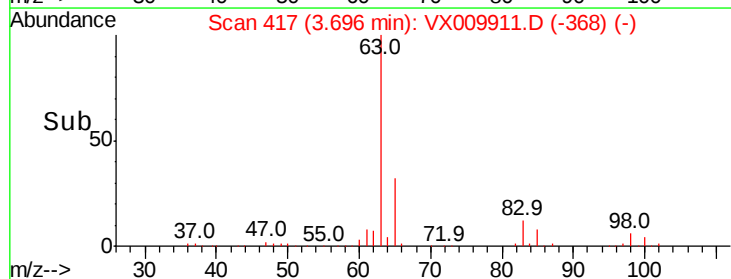
Abundance Ion 62.90 (62.60 to 63.60): VX0

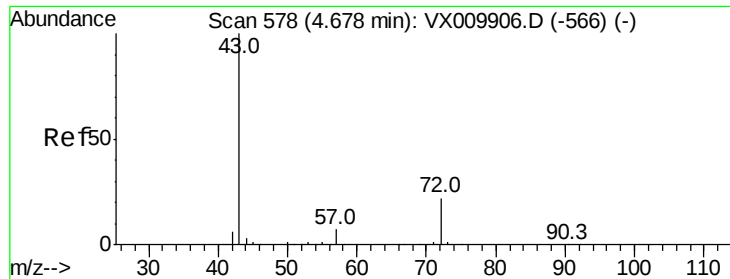
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 249.359 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion: 43 Resp: 576207

Ion Ratio Lower Upper

43 100

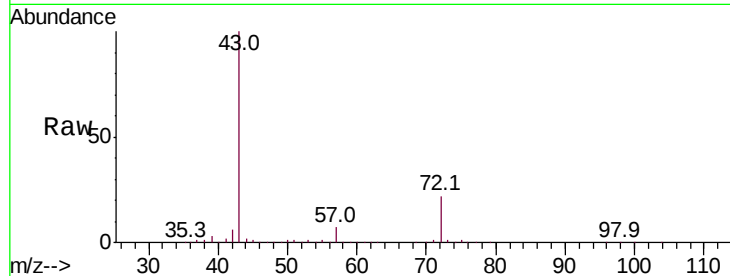
72 21.9 17.5 26.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

200000

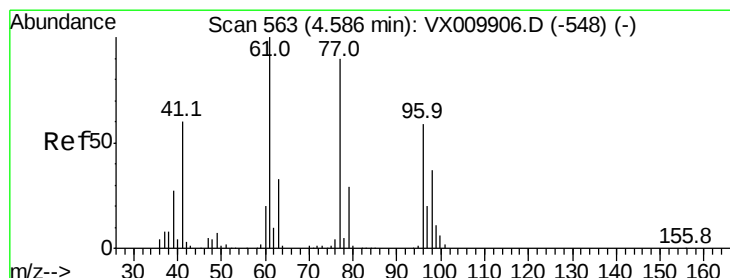
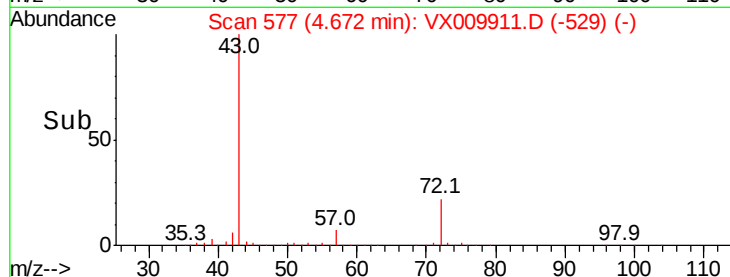
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 52.235 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009911.D

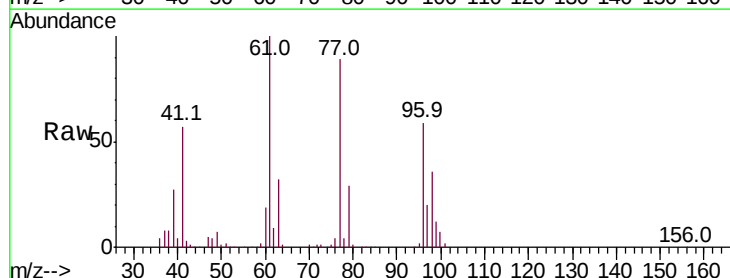
Acq: 28 May 2019 13:22

Tgt Ion: 77 Resp: 162973

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

60000

50000

40000

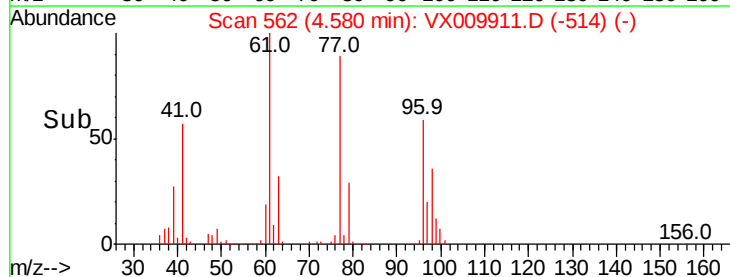
30000

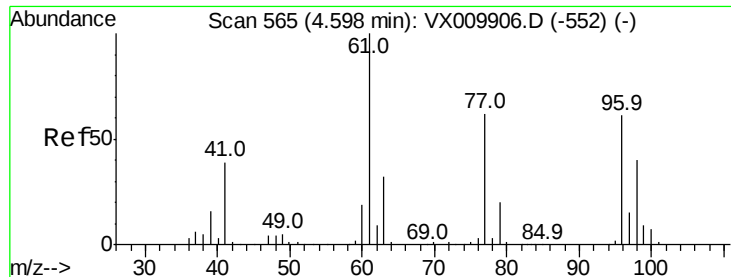
20000

10000

0

Time-->





#27

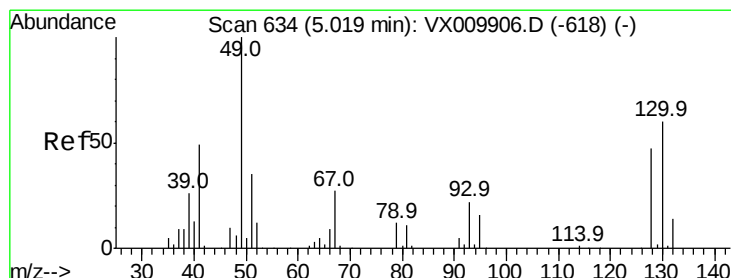
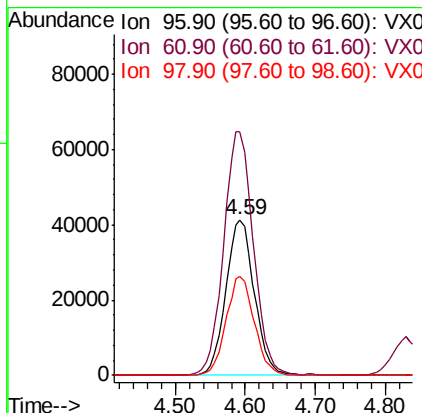
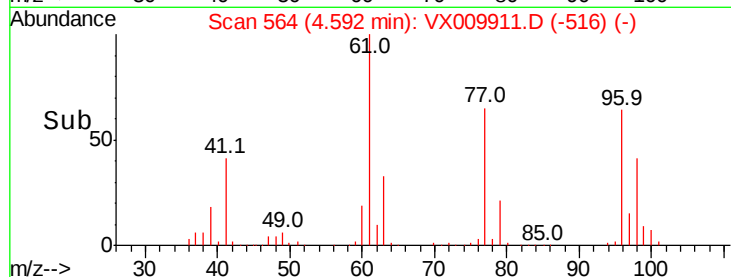
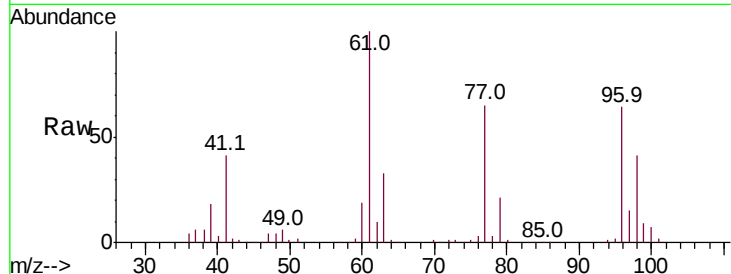
cis-1,2-Dichloroethene
 Concen: 49.236 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052819

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	163.5	0.0	334.0	
98	63.3	0.0	131.6	

Manual Integrations
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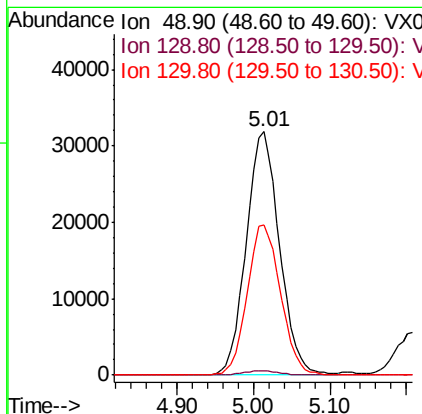
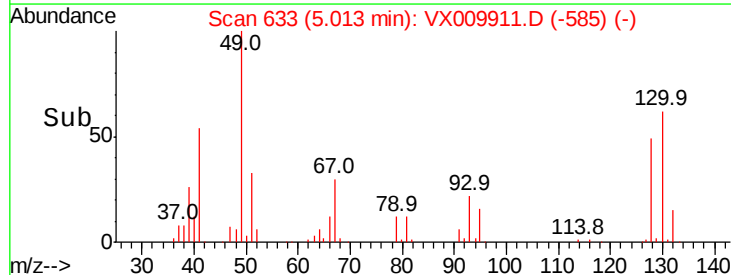
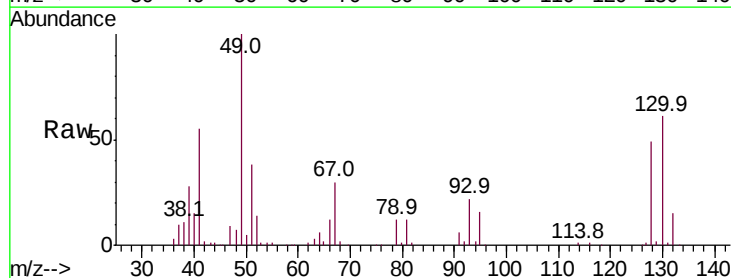
MMDadoda
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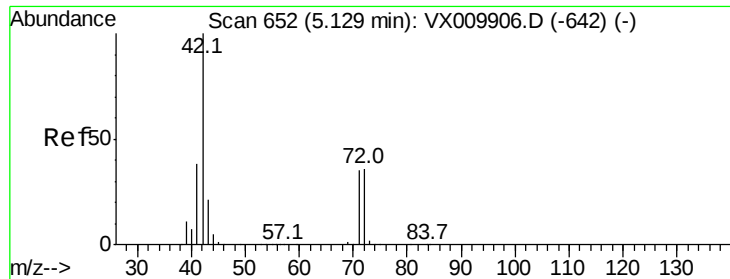


#28

Bromochloromethane
 Concen: 45.162 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.4	
130	61.7	49.4	74.2	





#29

Tetrahydrofuran

Concen: 247.257 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

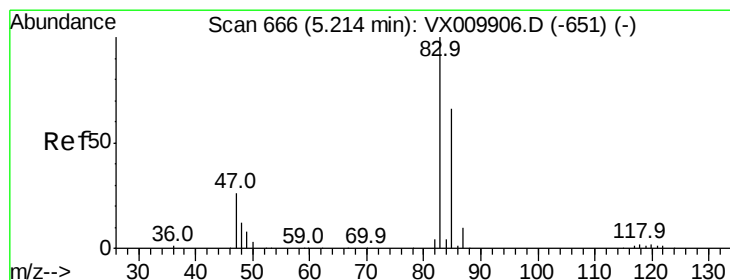
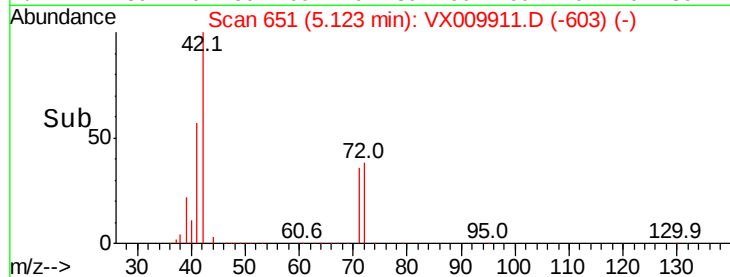
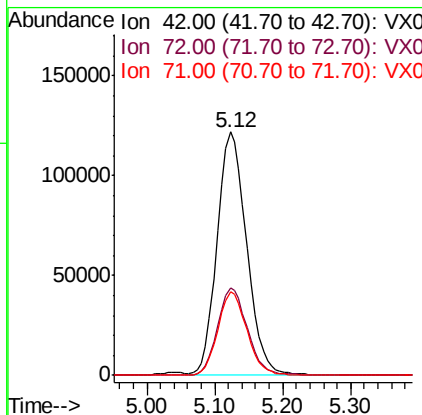
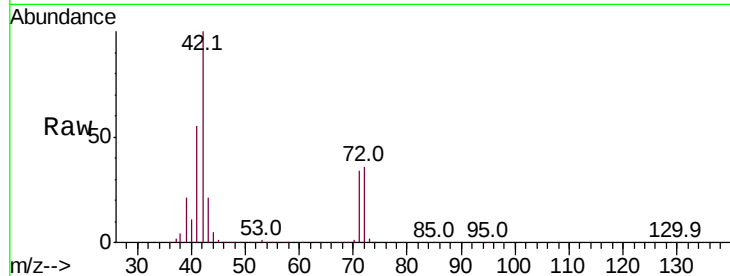
ClientSampleId :

ICVVX052819

Tot Ion:	42	Resp:	366385
Ion Ratio		Lower	Upper
42	100		
72	36.6	29.2	43.8
71	34.2	27.6	41.4

Manual Integrations
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#30

Chloroform

Concen: 50.299 ug/l

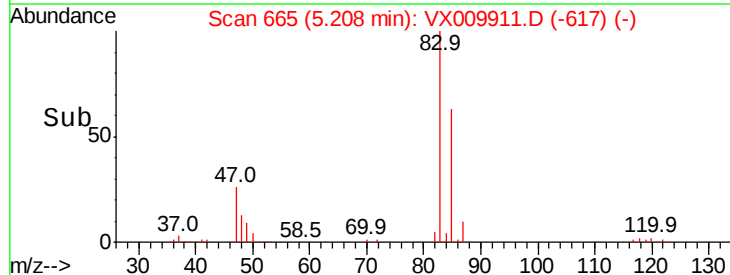
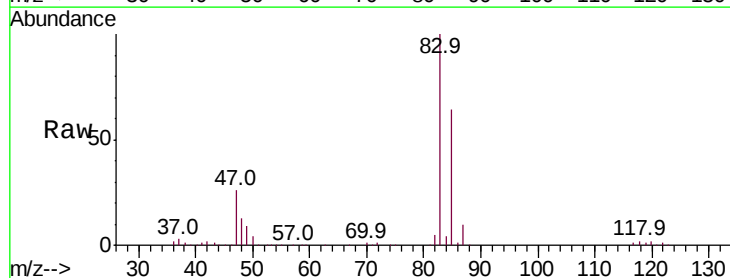
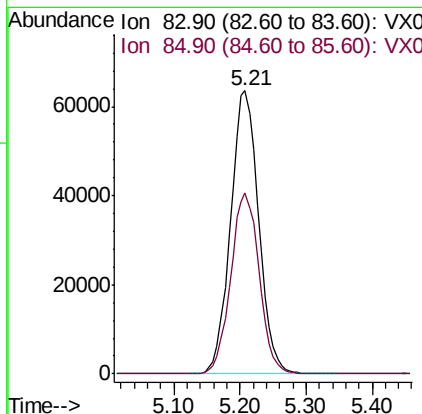
RT: 5.21 min Scan# 665

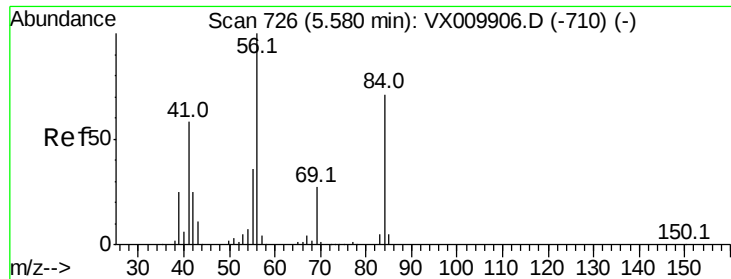
Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Tgt Ion:	83	Resp:	187099
Ion Ratio		Lower	Upper
83	100		
85	64.0	52.6	78.8





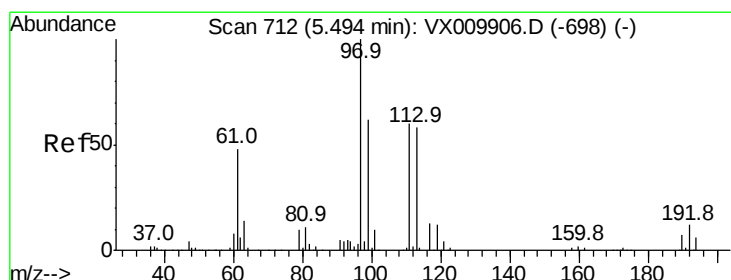
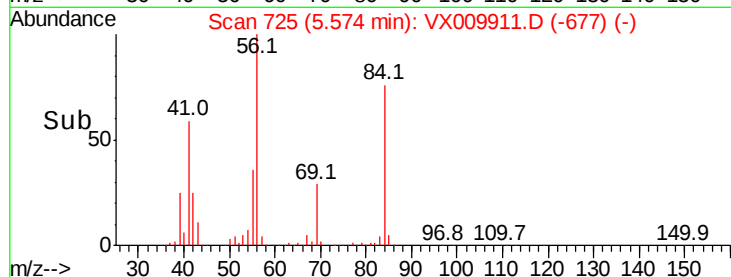
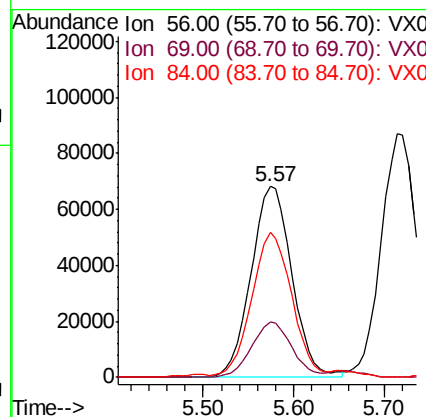
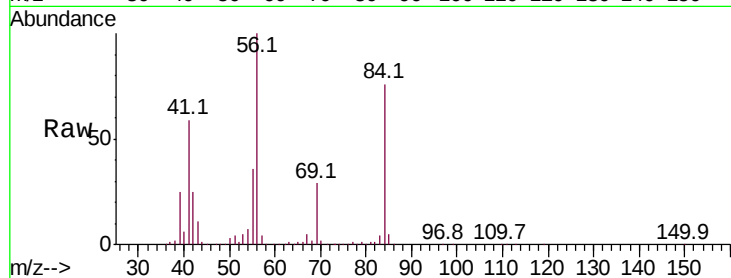
#31
Cvclohexane
Concen: 54.345 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	21.6	32.4
84	74.9	56.8	85.2

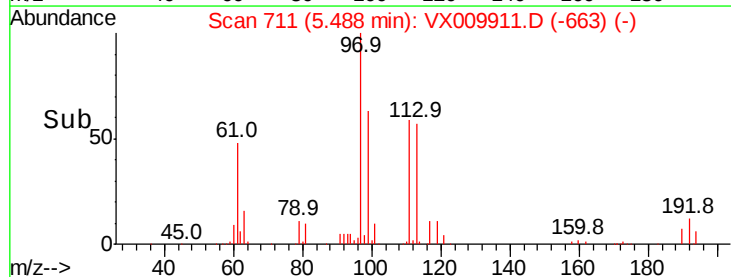
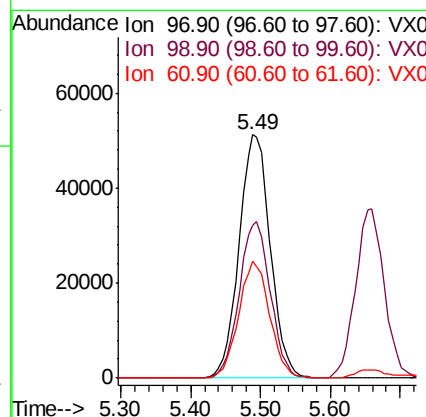
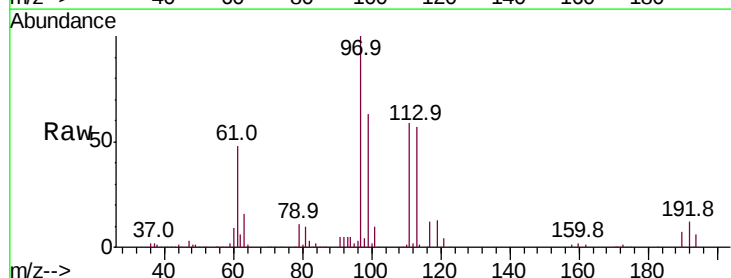
Manual Integrations
APPROVED

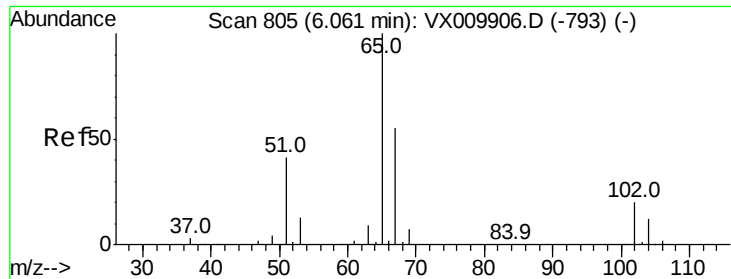
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.431 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	47.8	38.7	58.1





#33

1,2-Dichloroethane-d4

Concen: 48.145 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009911.D

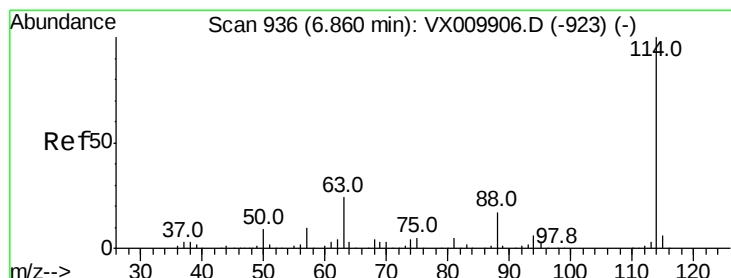
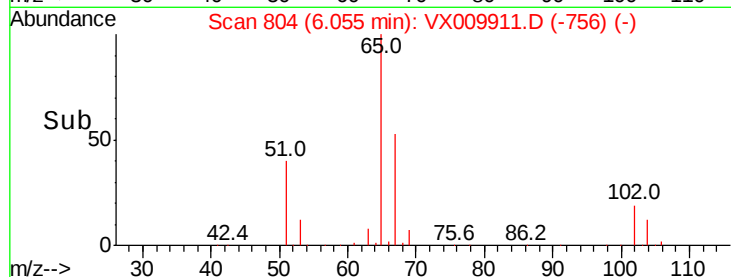
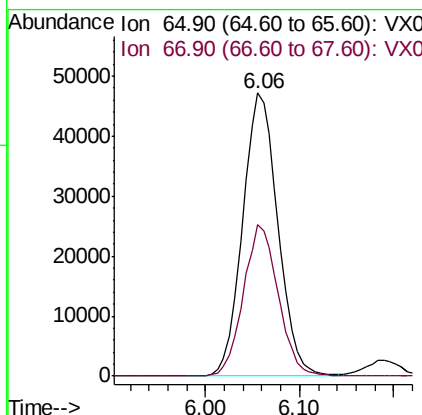
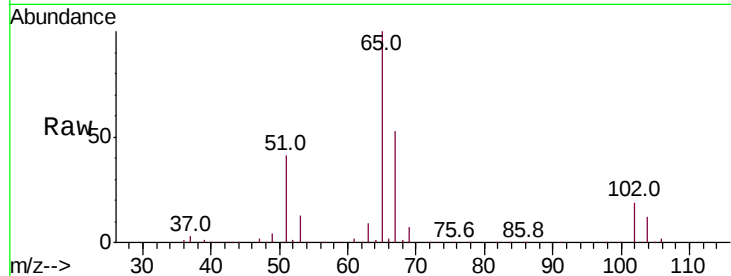
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123589		
67	53.1	0.0	108.4	

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

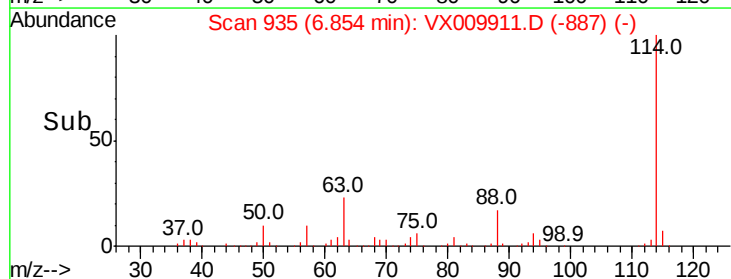
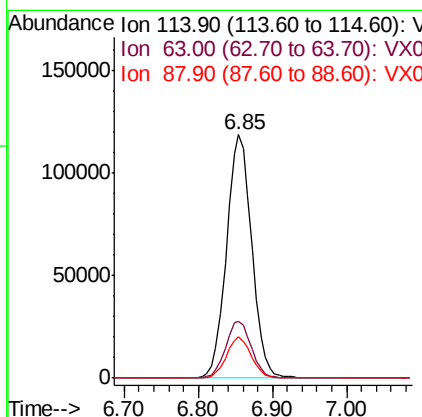
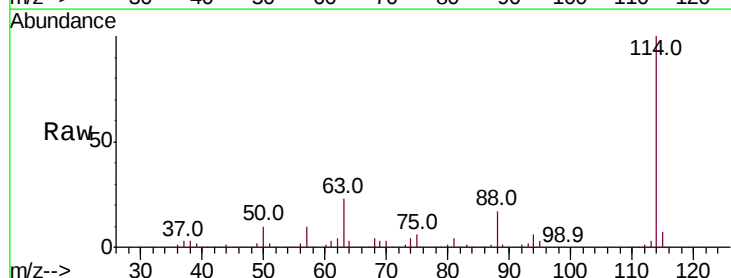
RT: 6.85 min Scan# 935

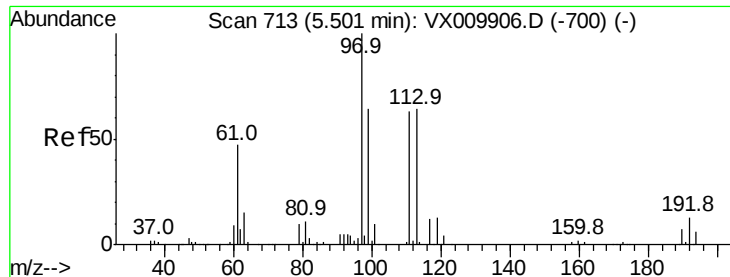
Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	280929		
63	23.3	0.0	47.4	
88	17.2	0.0	33.0	





#35

Dibromofluoromethane

Concen: 49.974 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

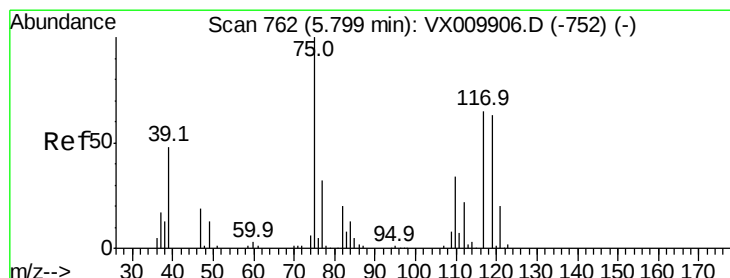
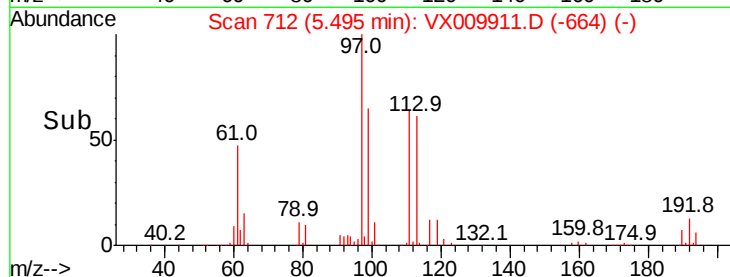
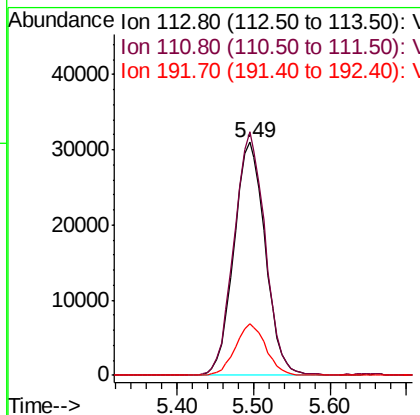
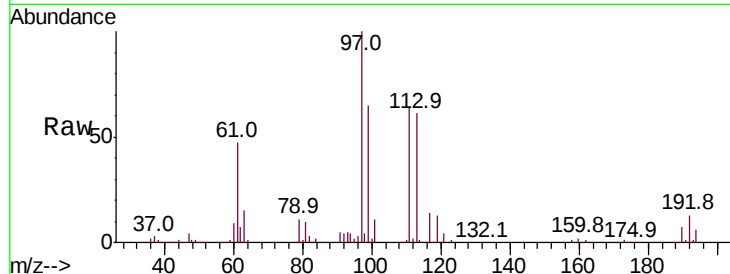
ClientSampleId :

ICVVX052819

Tot Ion:	113	Resp:	88265
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.2
192	21.6	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 52.903 ug/l

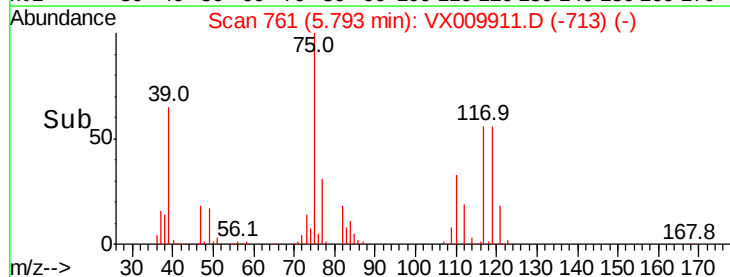
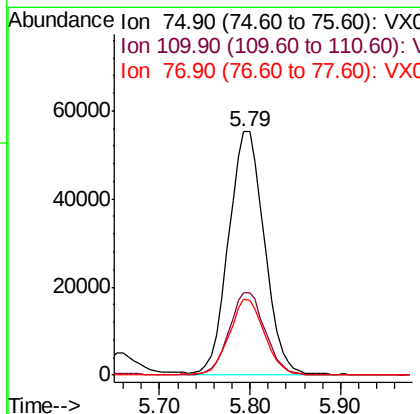
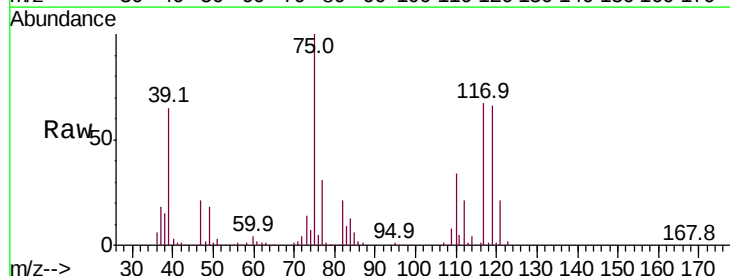
RT: 5.79 min Scan# 761

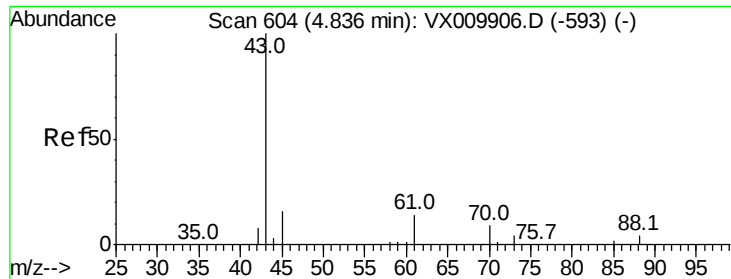
Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Tgt Ion:	75	Resp:	150793
Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.7	50.1
77	30.3	25.0	37.4





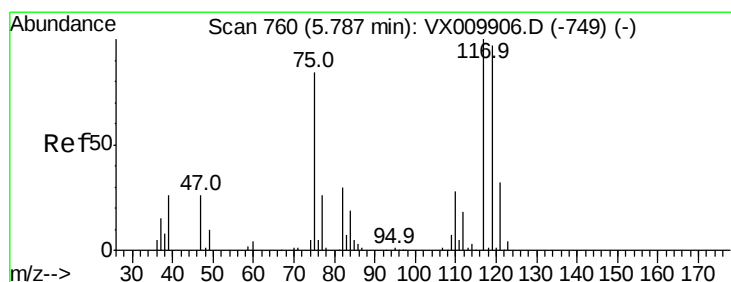
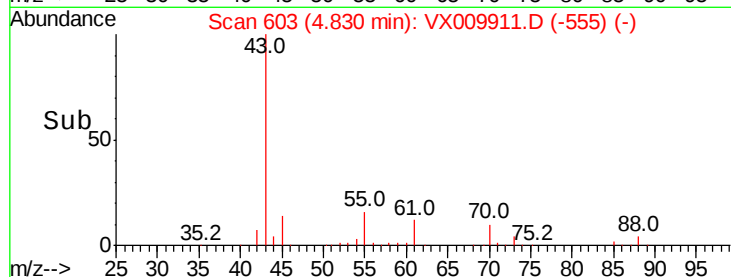
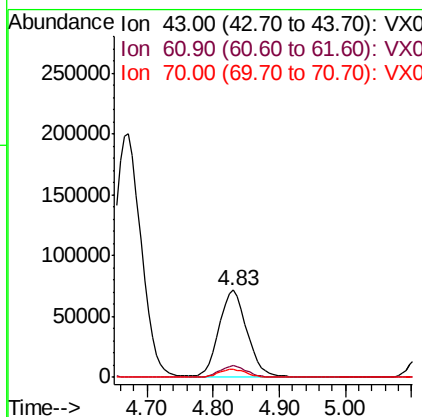
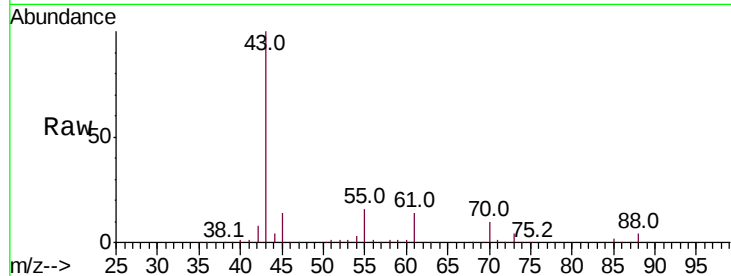
#37
Ethyl Acetate
Concen: 53.080 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVX052819

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.2
70	9.2	7.4	11.2

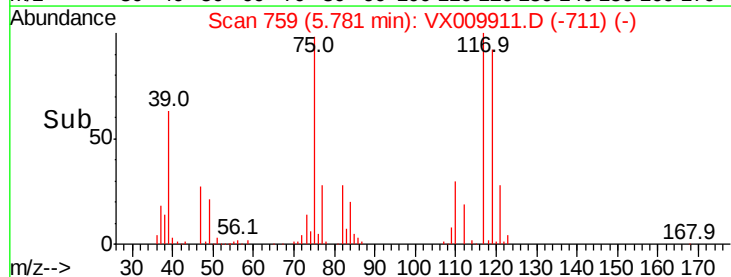
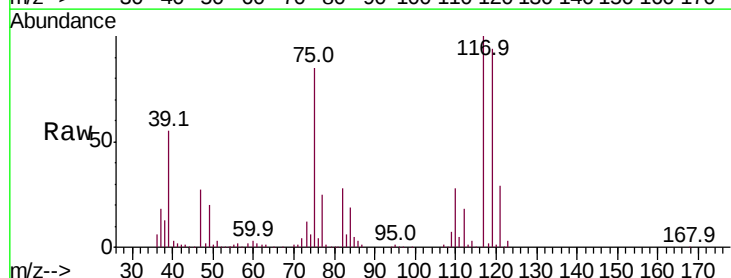
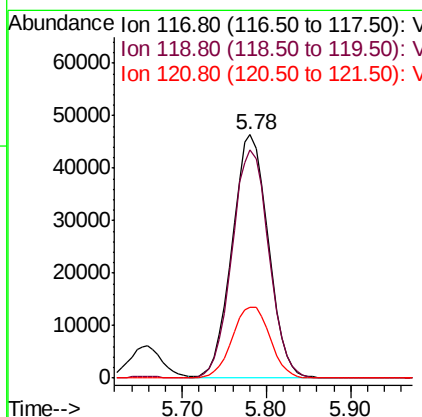
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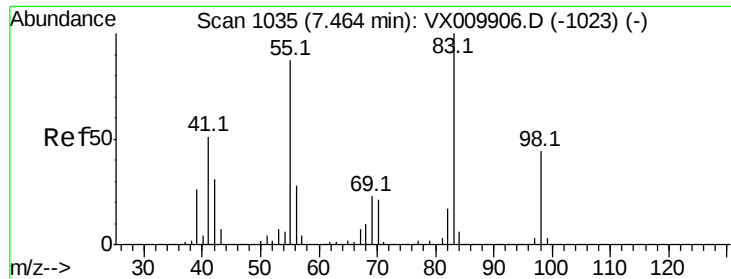
MMDadoda
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#38
Carbon Tetrachloride
Concen: 54.708 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.3	115.9
121	29.4	25.4	38.0





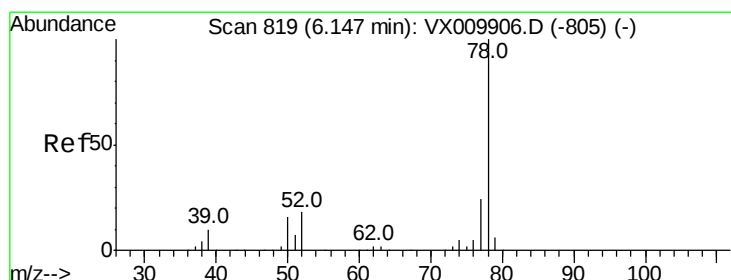
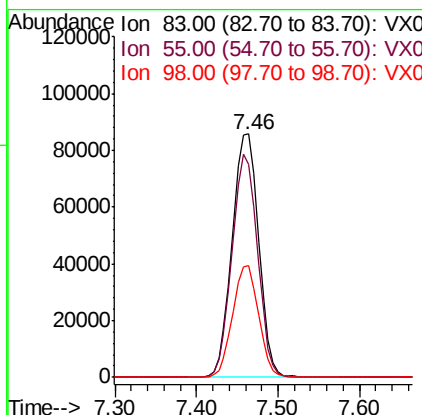
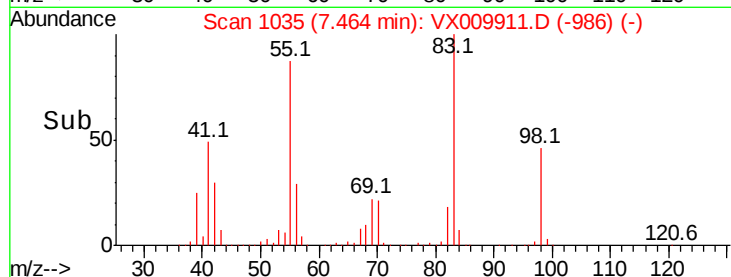
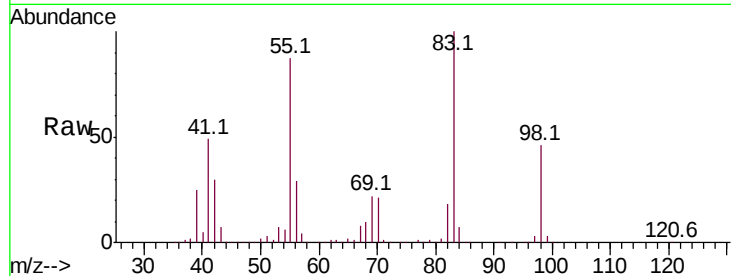
#39
Methvlcvclohexane
Concen: 56.989 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	87.4	69.9	104.9	
98	45.8	35.1	52.7	

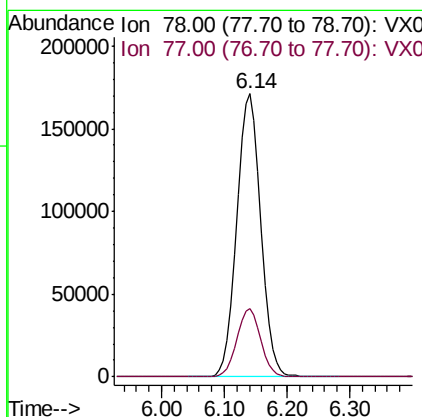
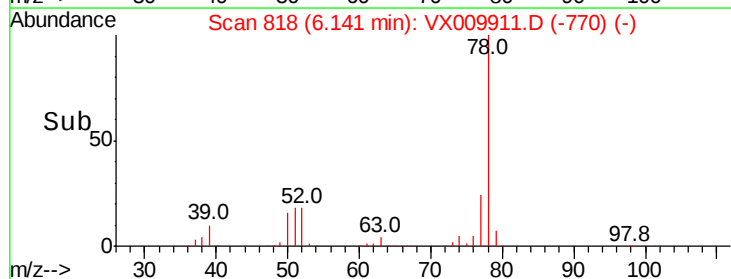
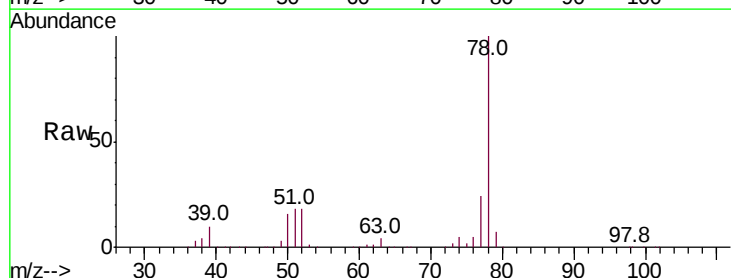
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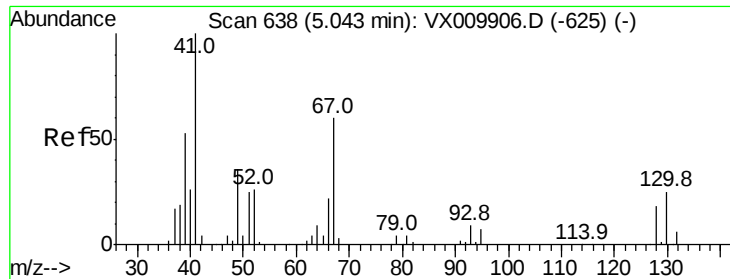
MMDadoda
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#40
Benzene
Concen: 53.484 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	19.2	28.8	





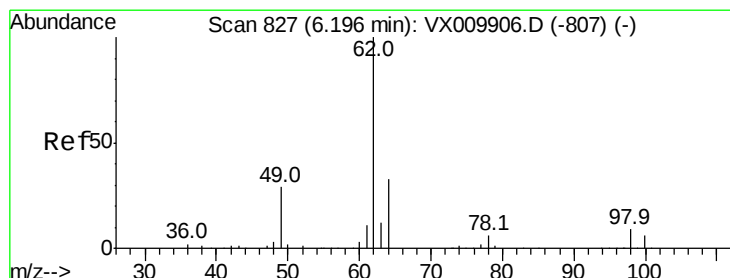
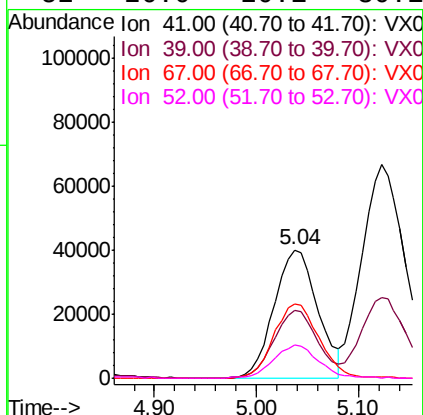
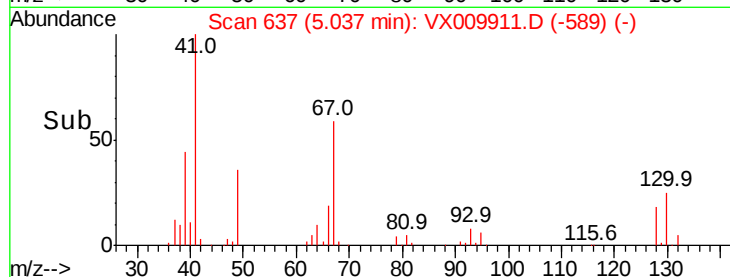
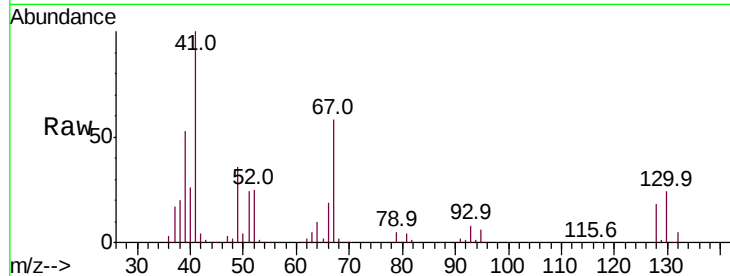
#41
Methacrylonitrile
Concen: 51.546 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.2	63.4	
67	60.1	48.9	73.3	
52	26.0	20.1	30.1	

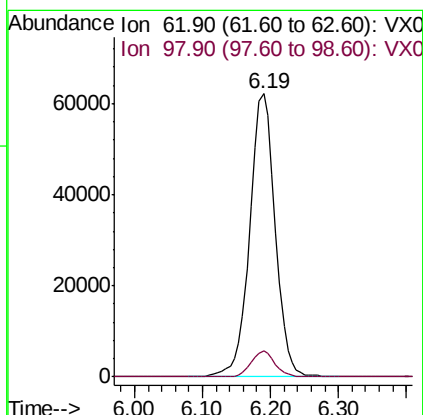
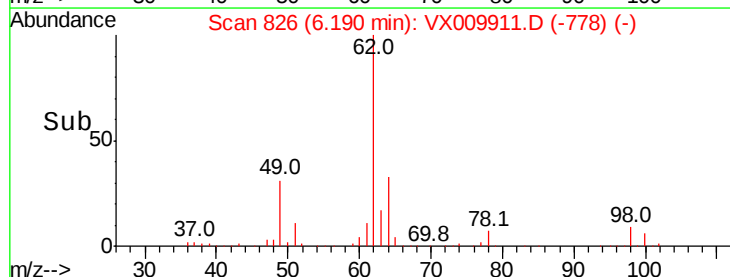
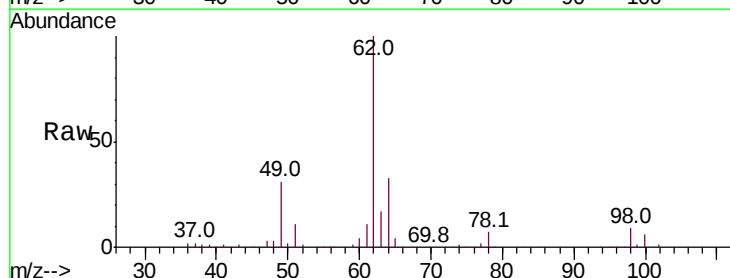
Manual Integrations
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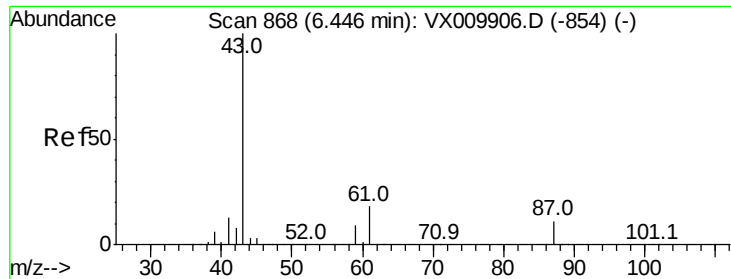
MMDadoda
5/29/2019 9:25:08 AM



#42
1,2-Dichloroethane
Concen: 52.177 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.2	





#43

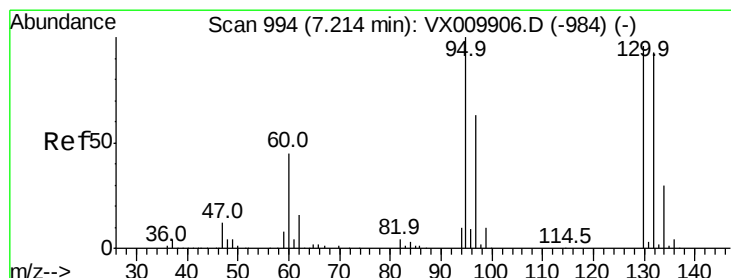
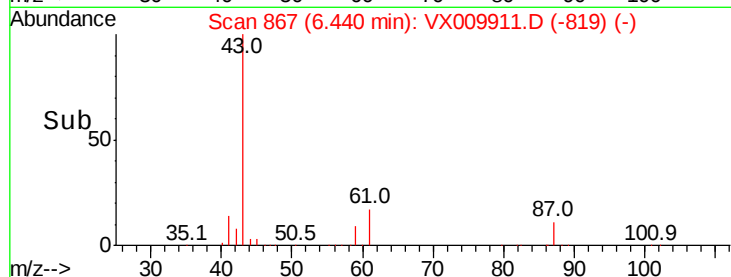
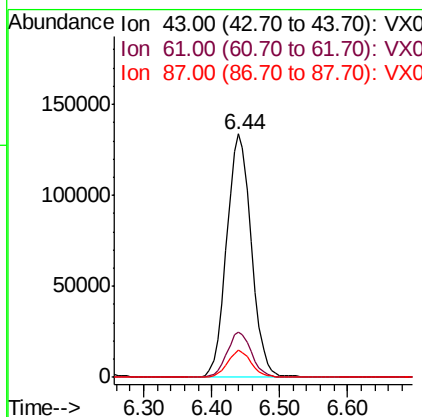
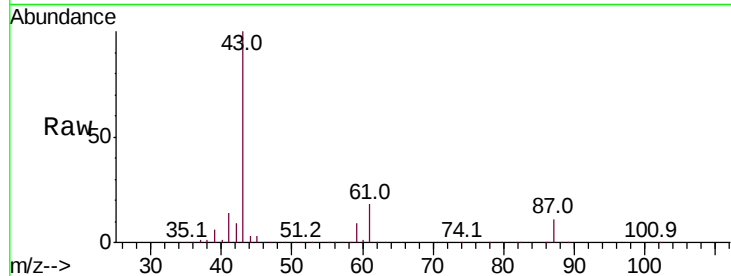
Isopropyl Acetate
 Concen: 52.169 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052819

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.6	21.8
87	10.8	8.7	13.1

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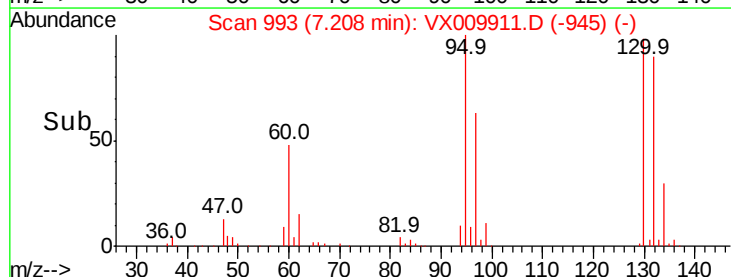
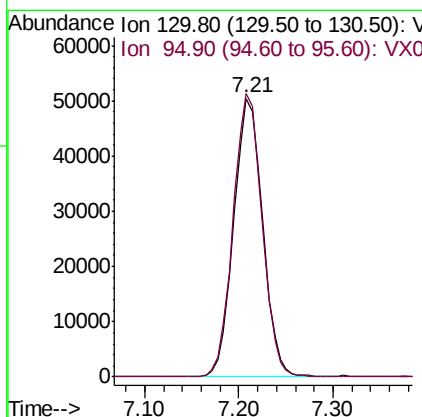
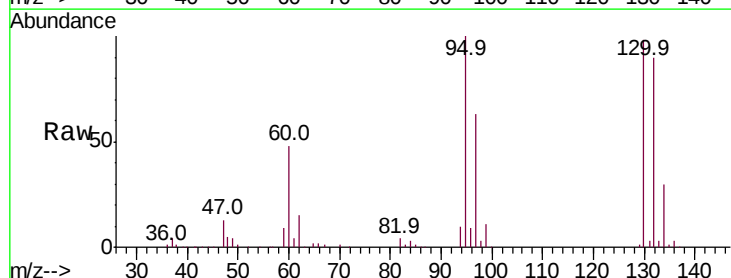
MMDadoda
 5/29/2019 9:25:08 AM

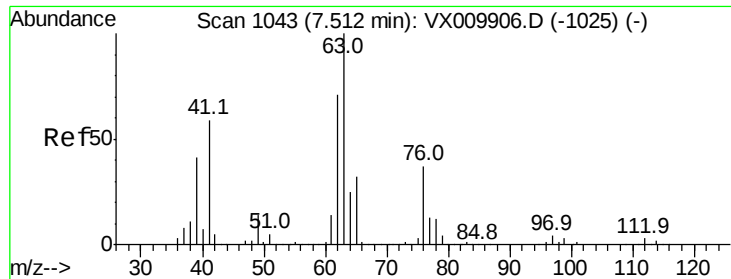


#44

Trichloroethene
 Concen: 52.490 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	207.4





#45

1,2-Dichloropropane

Concen: 52.268 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion: 63 Resp: 127221

Ion Ratio Lower Upper

63 100

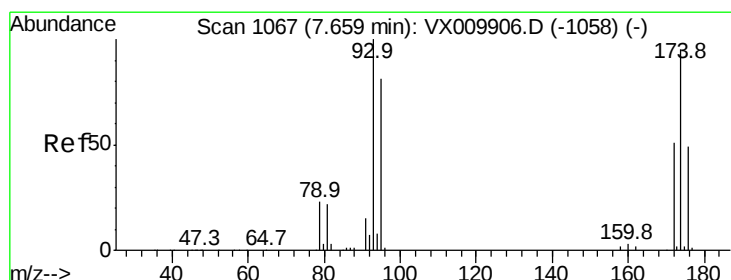
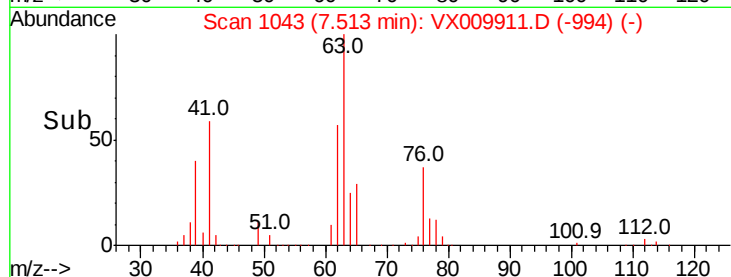
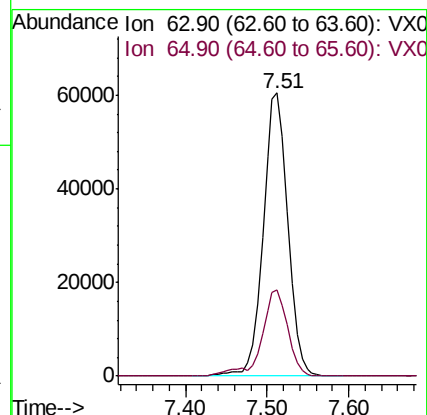
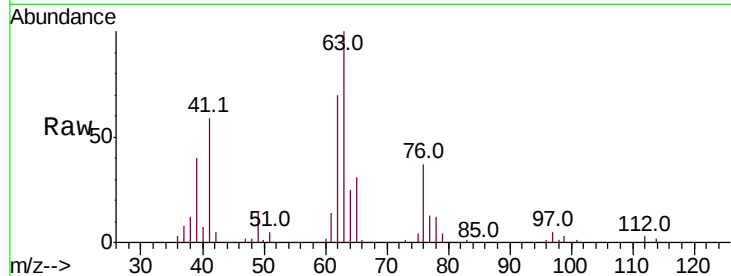
65 30.6 25.7 38.5

Manual Integrations

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5/29/2019 9:25:08 AM



#46

Dibromomethane

Concen: 50.670 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

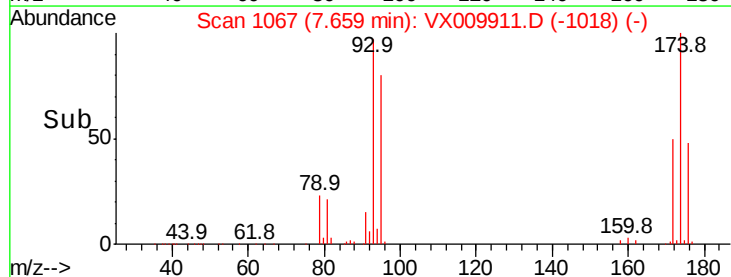
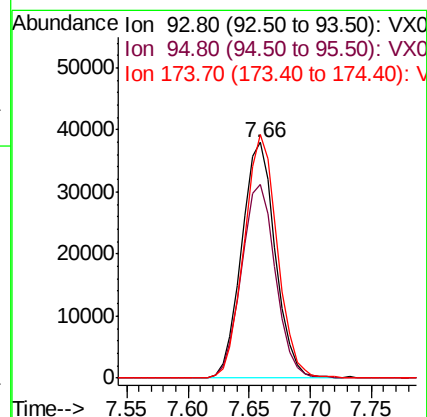
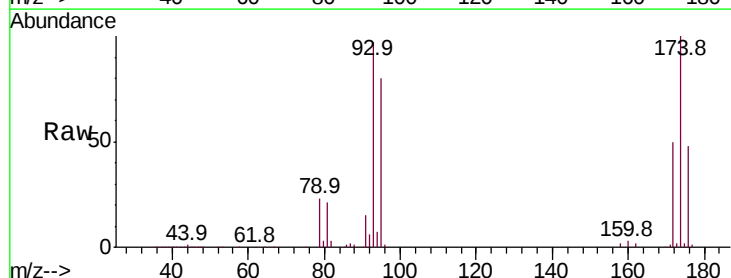
Tgt Ion: 93 Resp: 72597

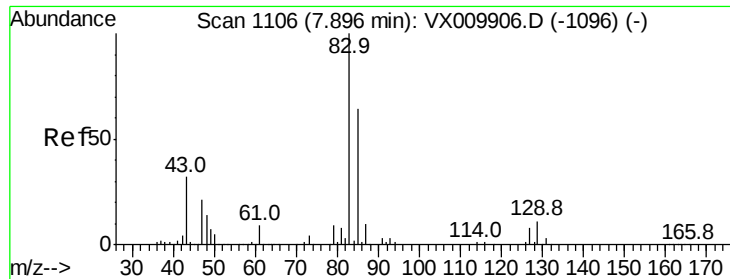
Ion Ratio Lower Upper

93 100

95 83.4 66.8 100.2

174 102.3 81.9 122.9





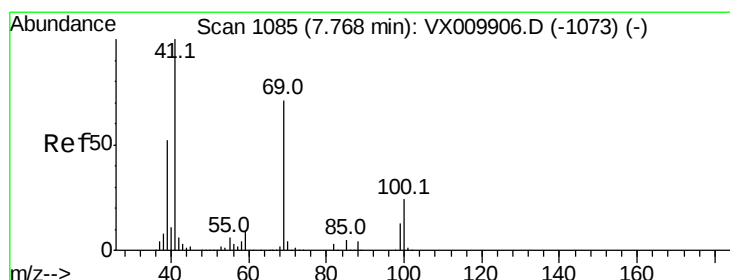
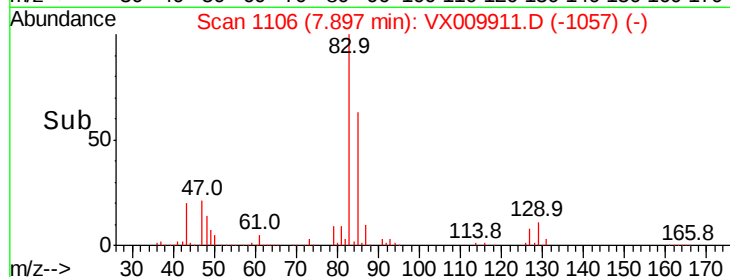
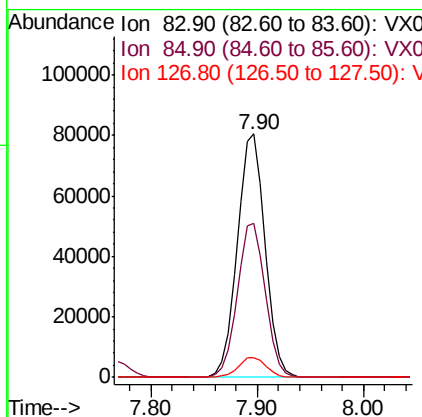
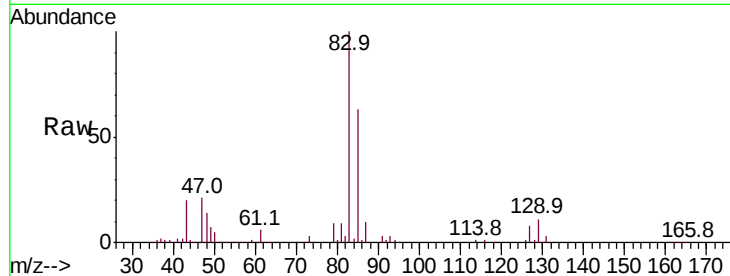
#47
 Bromodichloromethane
 Concen: 54.236 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052819

Tot Ion	83	Resp	147766
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	51.4	77.2
127	8.1	6.4	9.6

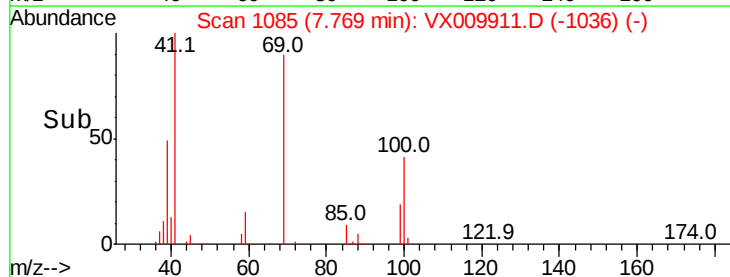
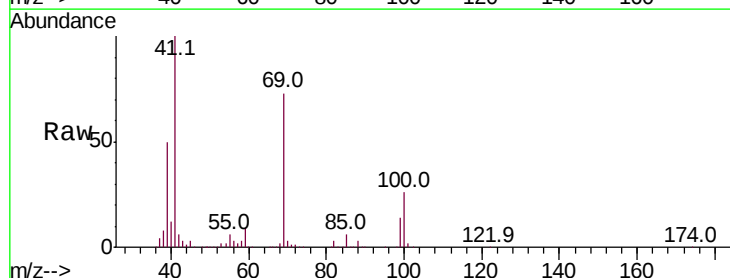
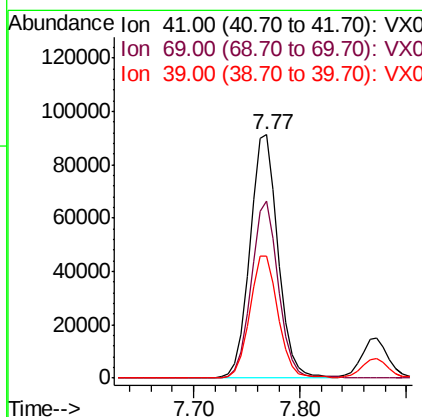
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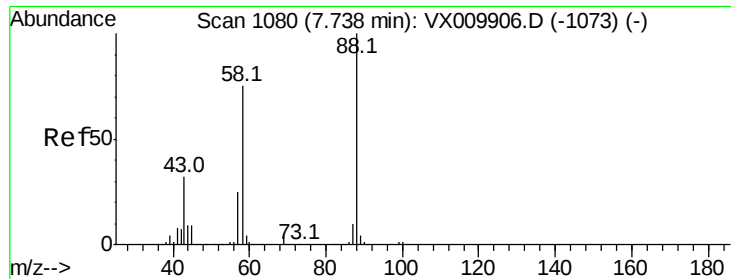
MMDadoda
 5/29/2019 9:25:08 AM



#48
 Methyl methacrylate
 Concen: 53.166 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Tgt Ion	41	Resp	168661
Ion Ratio	100	Lower	Upper
41	100		
69	70.7	56.4	84.6
39	50.2	40.6	60.8





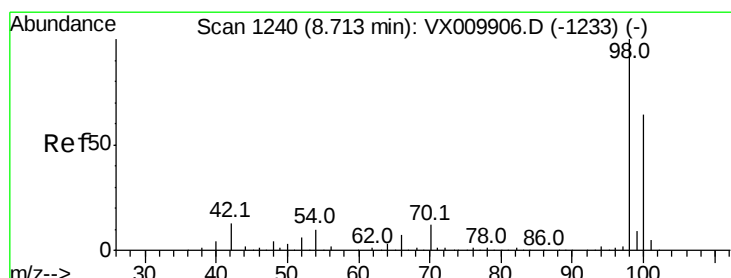
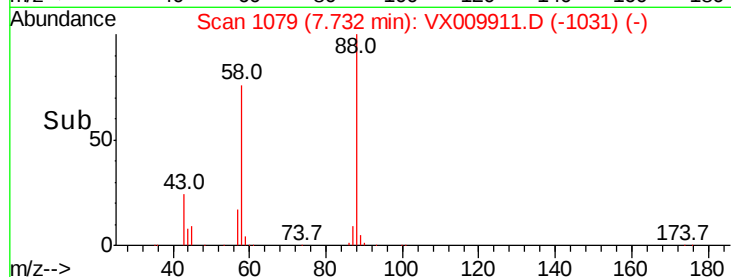
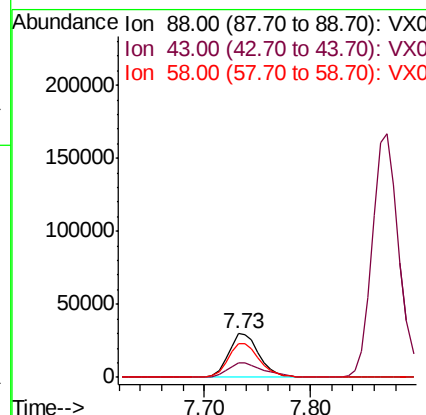
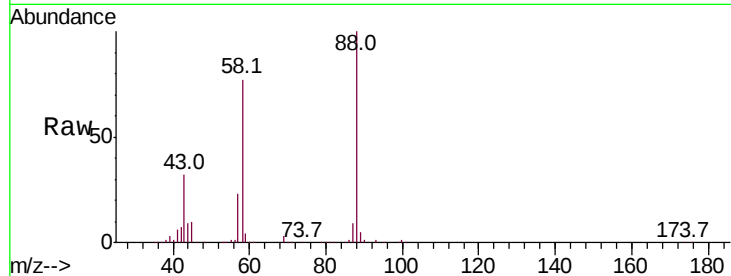
#49
1,4-Dioxane
Concen: 1026.997 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	30.2	45.4
58	79.8	64.0	96.0

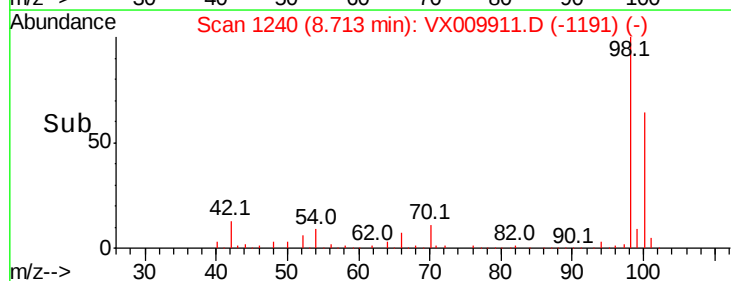
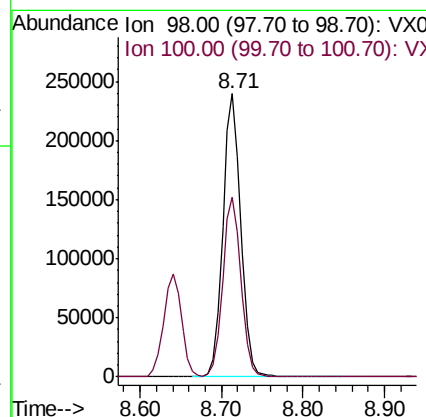
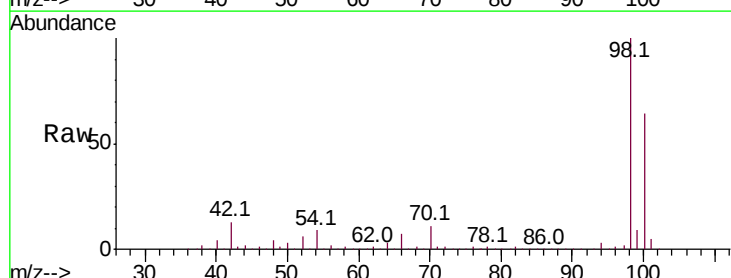
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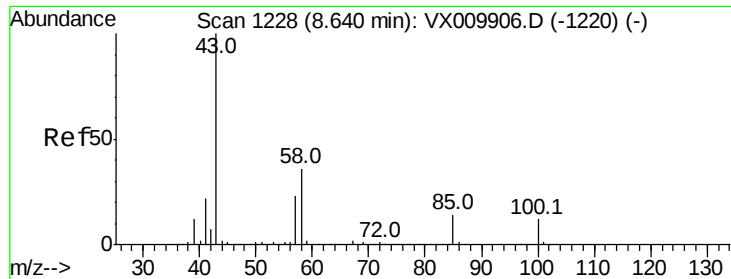
MMDadoda
5/29/2019 9:25:08 AM



#50
Toluene-d8
Concen: 51.321 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.5	77.3





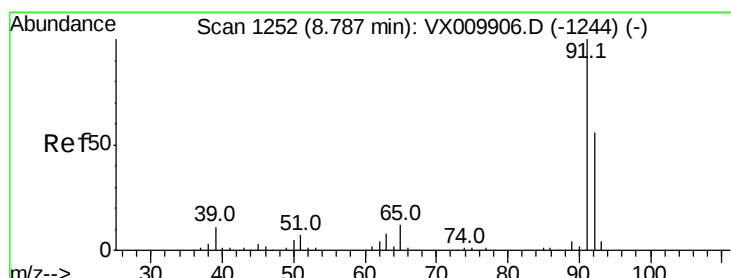
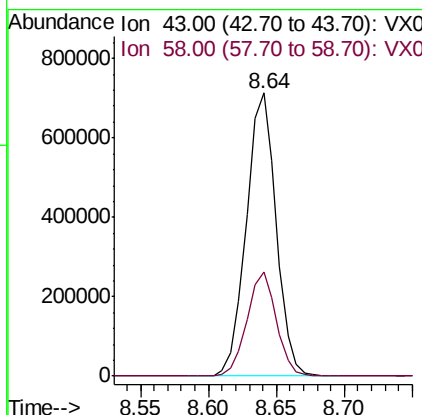
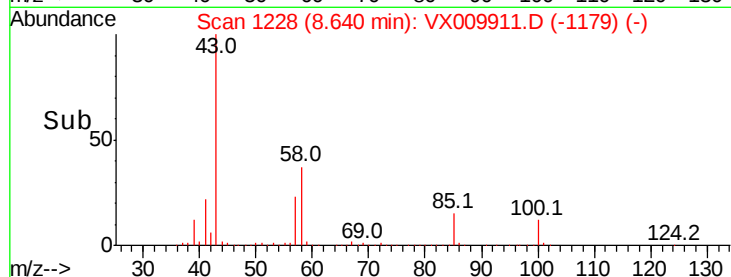
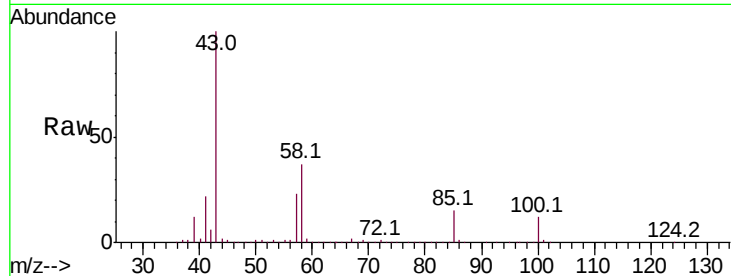
#51
4-Methyl-2-Pentanone
Concen: 263.124 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion: 43 Resp: 1096889
Ion Ratio Lower Upper
43 100
58 36.1 28.8 43.2

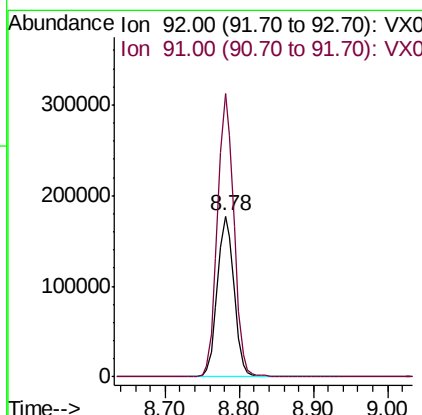
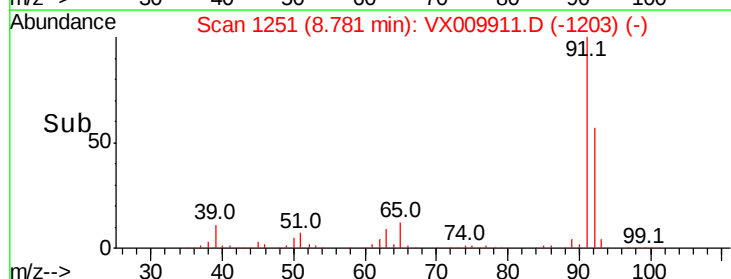
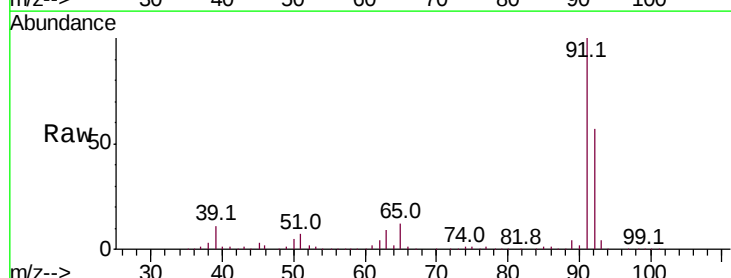
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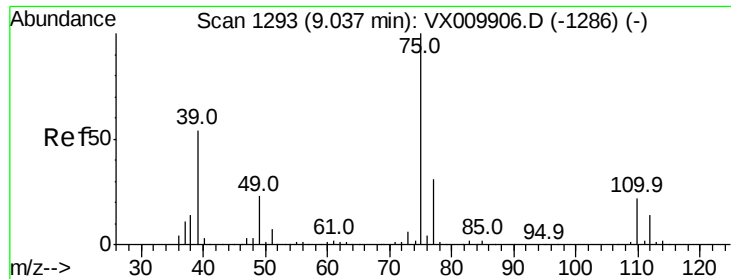
MMDadoda
5/29/2019 9:25:08 AM



#52
Toluene
Concen: 53.597 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion: 92 Resp: 275156
Ion Ratio Lower Upper
92 100
91 173.3 139.9 209.9





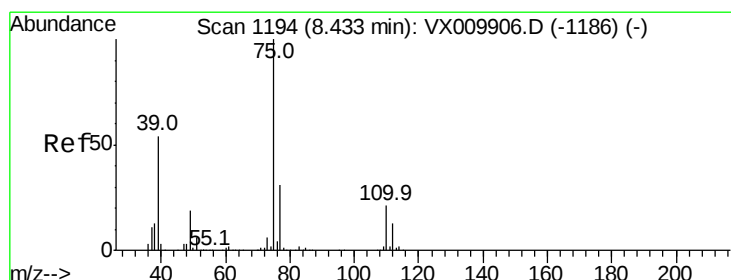
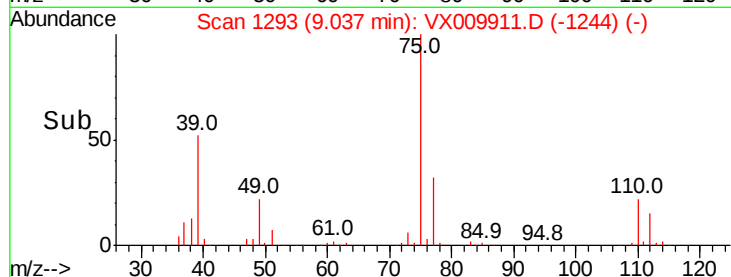
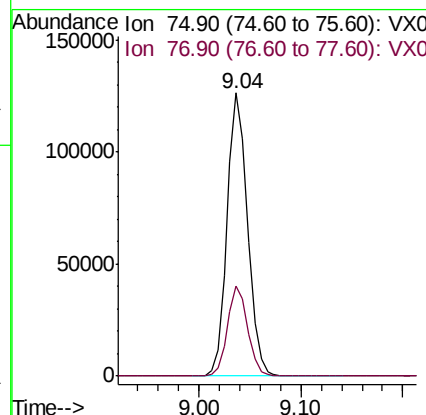
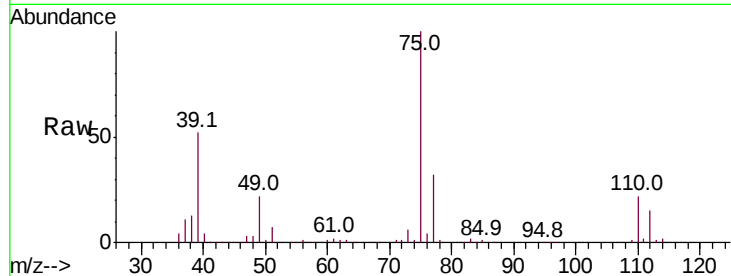
#53
t-1,3-Dichloropropene
Concen: 54.097 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampled :
ICVVX052819

Tot Ion: 75 Resp: 176761
Ion Ratio Lower Upper
75 100
77 32.0 24.6 36.8

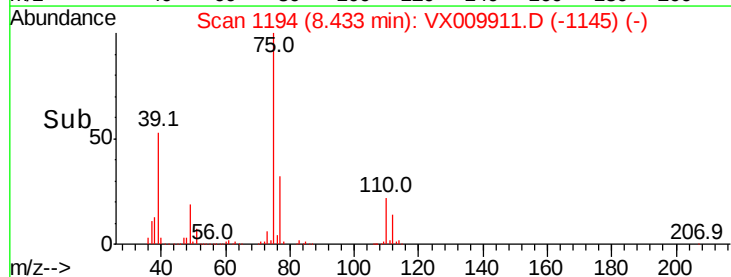
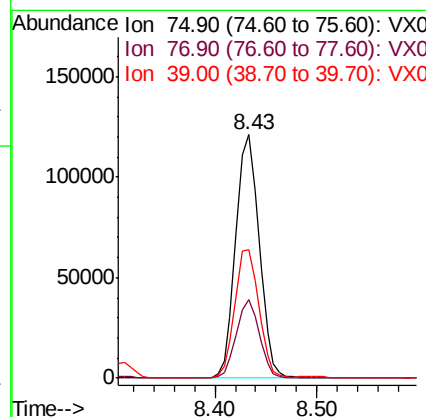
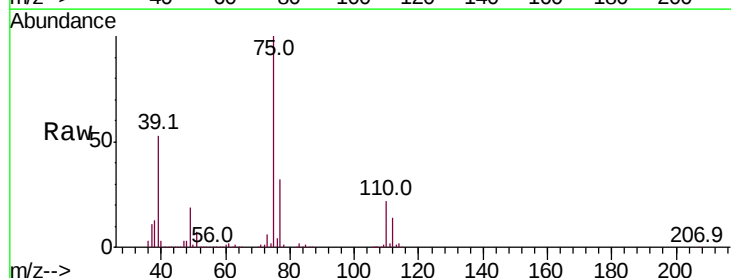
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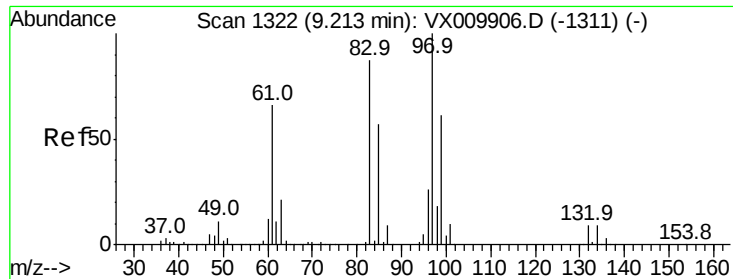
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#54
cis-1,3-Dichloropropene
Concen: 54.296 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion: 75 Resp: 193301
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 52.7 43.4 65.0





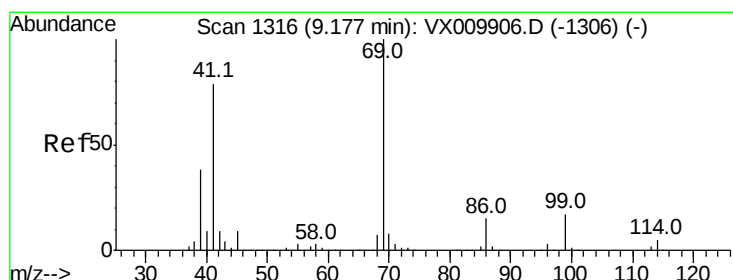
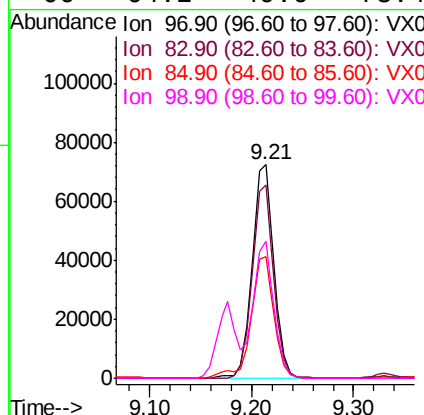
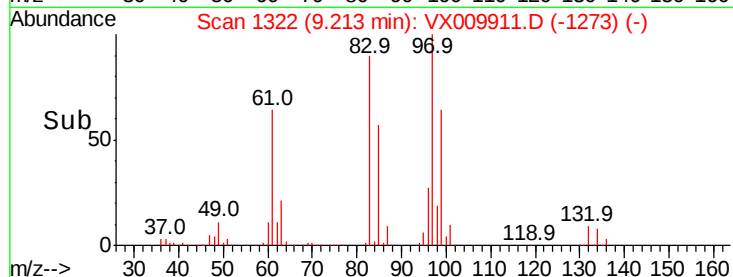
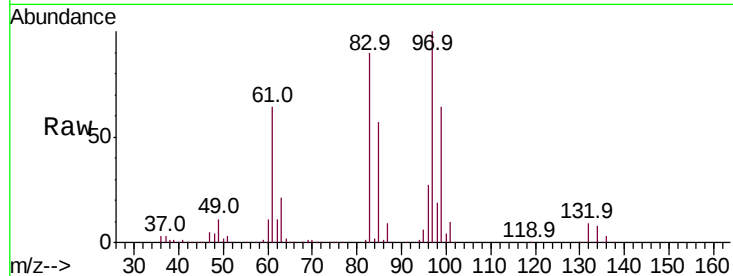
#55
 1,1,2-Trichloroethane
 Concen: 52.099 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052819

Tot Ion	Ratio	Resp	Lower	Upper
97	100	107652		
83	90.4	69.8	104.8	
85	57.1	45.3	67.9	
99	64.2	49.0	73.4	

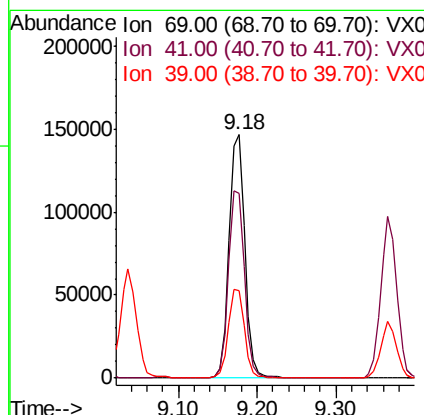
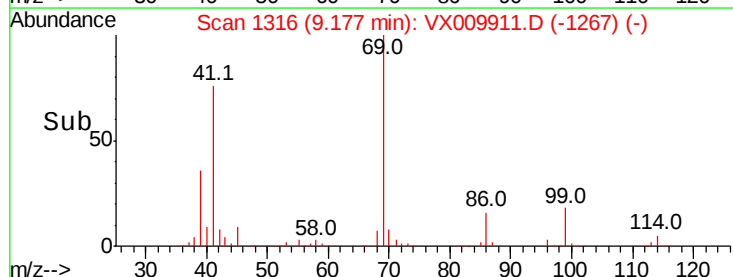
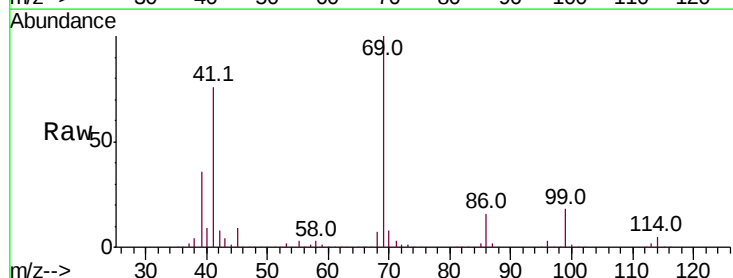
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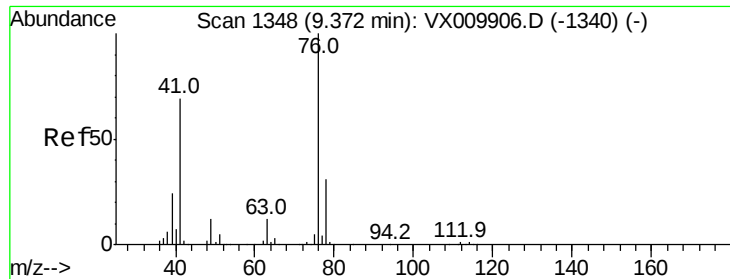
MMDadoda
 5/29/2019 9:25:08 AM



#56
 Ethyl methacrylate
 Concen: 55.350 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	203614		
41	78.3	62.7	94.1	
39	37.1	29.5	44.3	





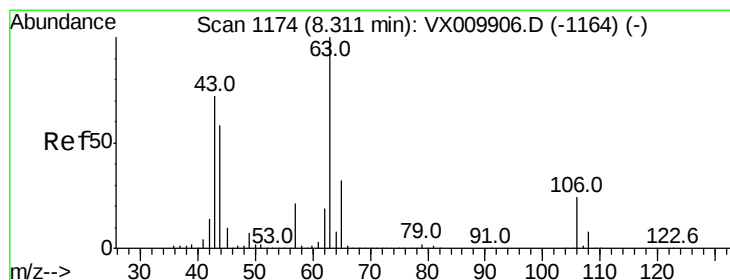
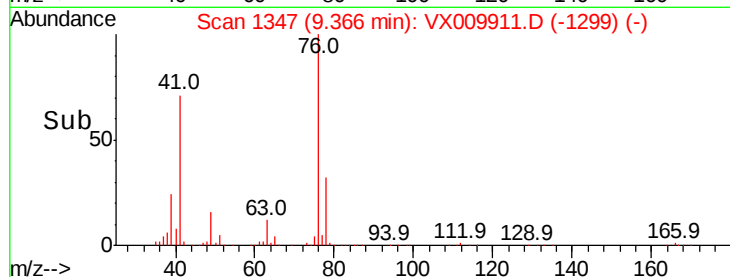
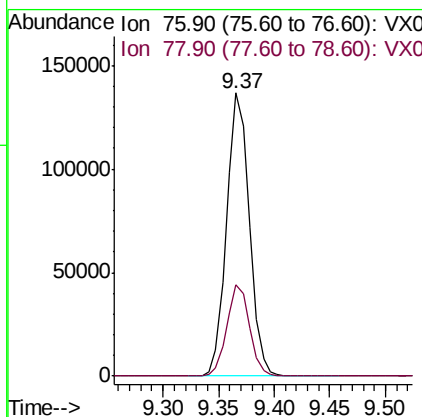
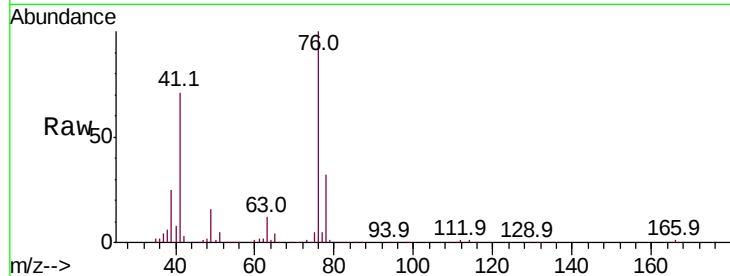
#57
 1,3-Dichloropropane
 Concen: 52.040 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052819

Tot Ion: 76 Resp: 193112
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0

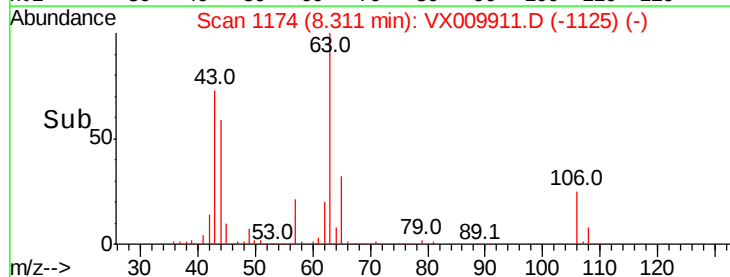
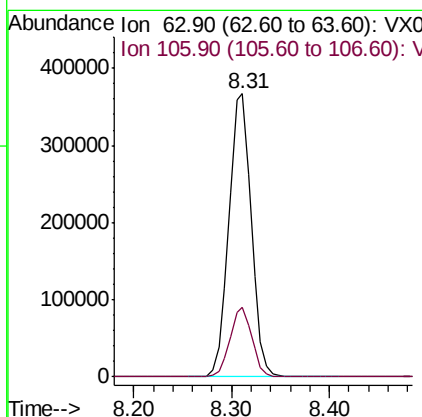
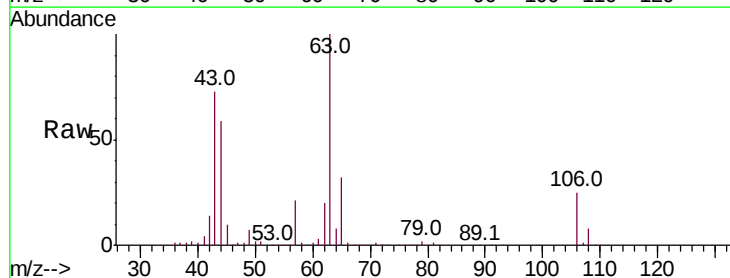
Manual Integrations
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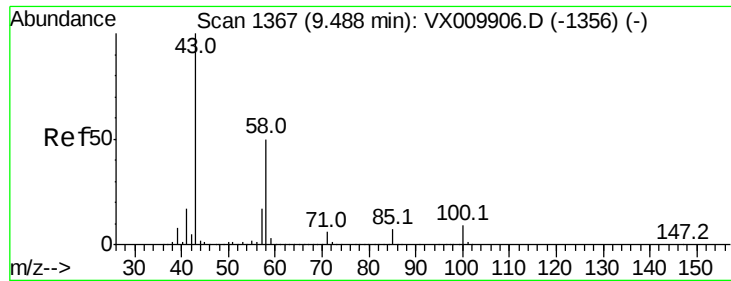
MMDadoda
 5/29/2019 9:25:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 302.042 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Tgt Ion: 63 Resp: 582638
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.4 29.2





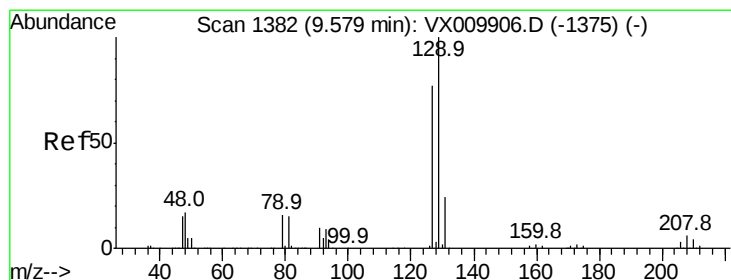
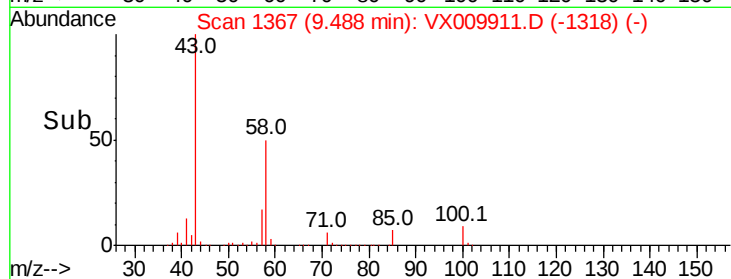
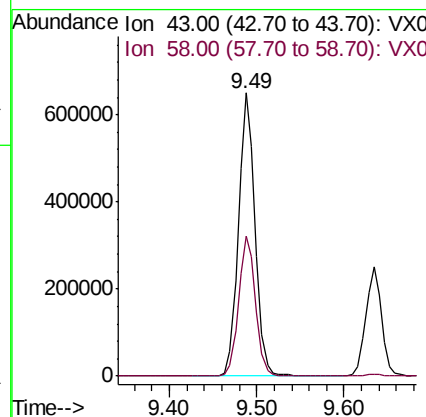
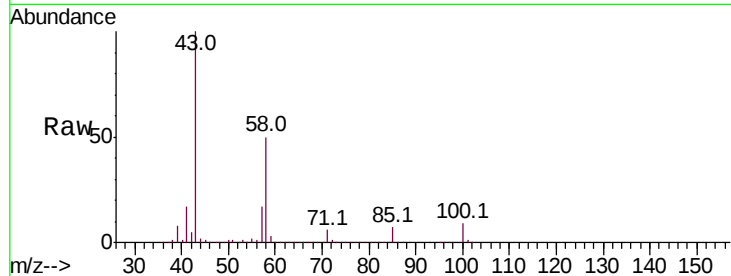
#59
2-Hexanone
Concen: 269.246 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.1	75.3

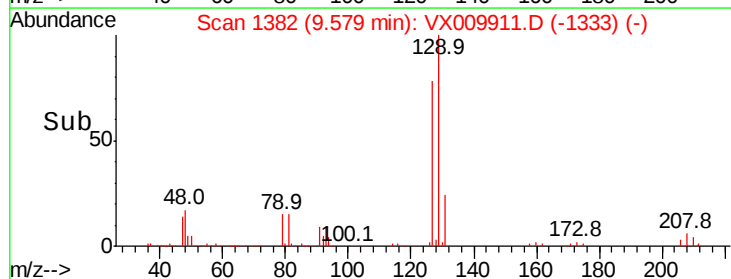
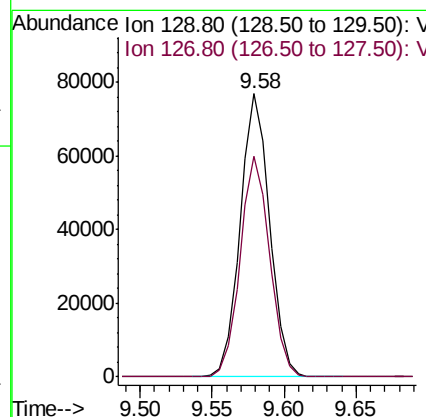
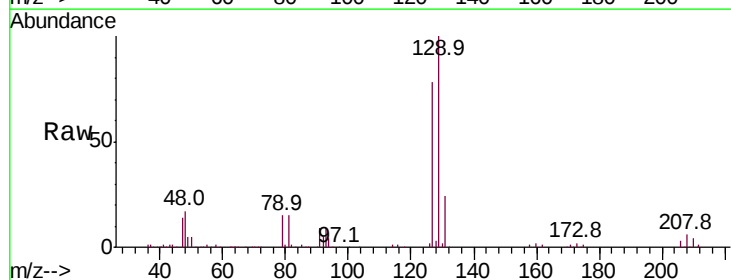
Manual Integrations
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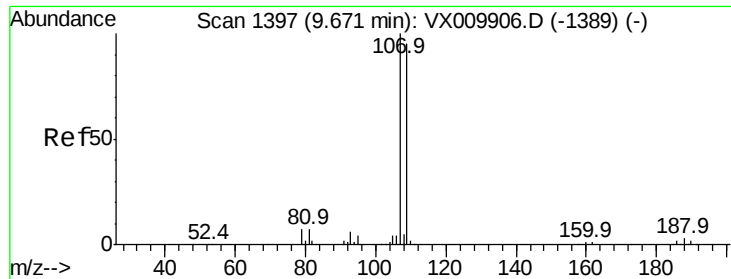
MMDadoda
5/29/2019 9:25:08 AM



#60
Dibromochloromethane
Concen: 53.725 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5





#61

1,2-Dibromoethane

Concen: 52.487 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion: 107 Resp: 111421

Ion Ratio Lower Upper

107 100

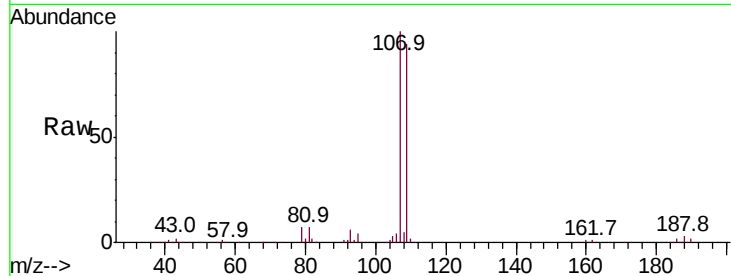
109 94.2 75.4 113.2

Manual Integrations

APPROVED

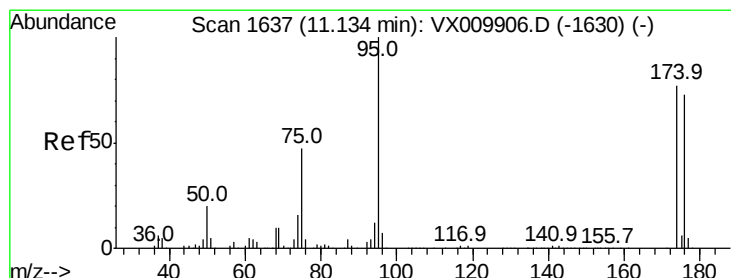
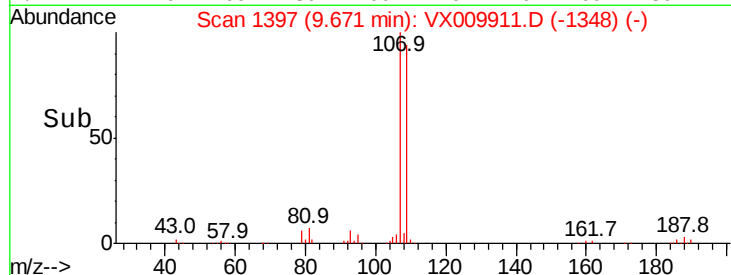
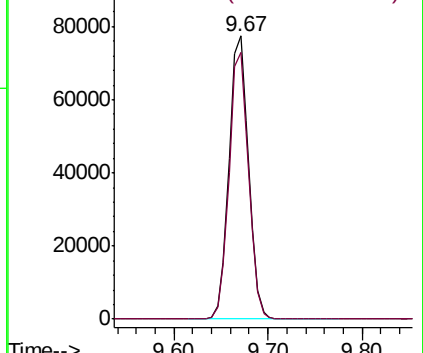
MMDadoda

5/29/2019 9:25:08 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.117 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

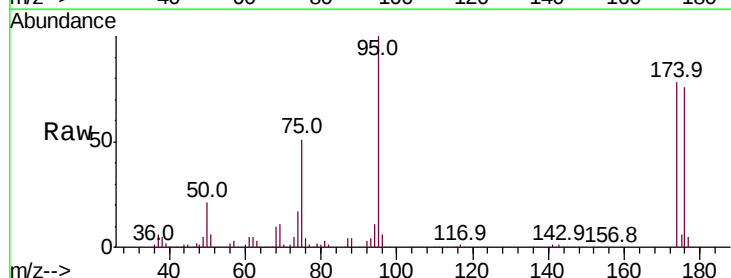
Tgt Ion: 95 Resp: 136837

Ion Ratio Lower Upper

95 100

174 81.0 0.0 160.4

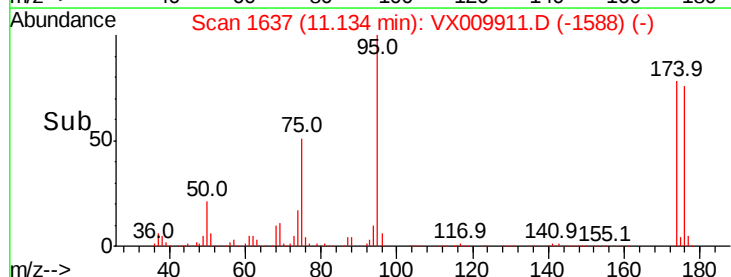
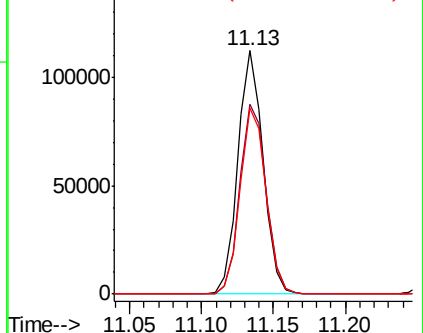
176 78.4 0.0 154.6

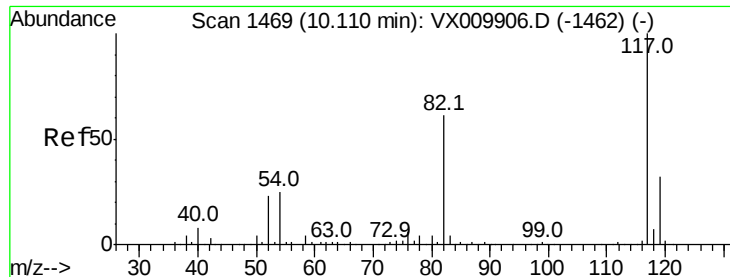


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





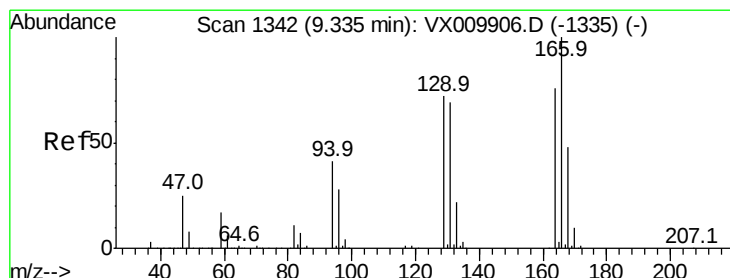
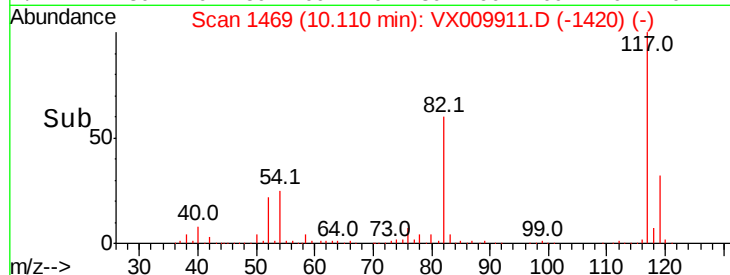
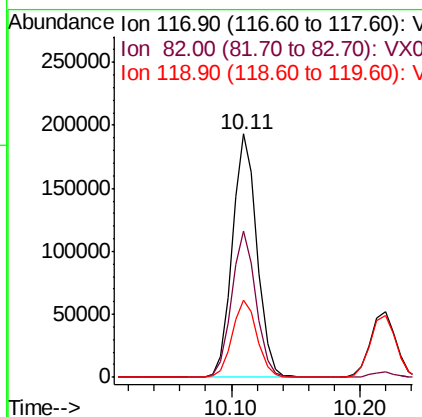
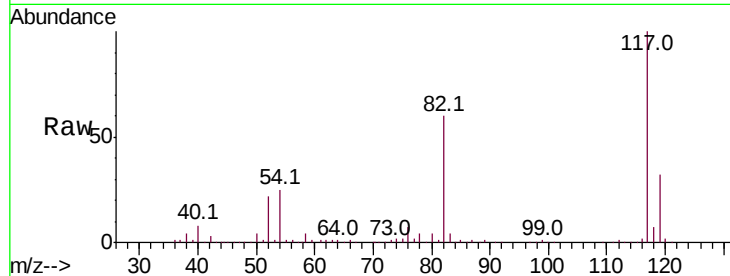
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	49.2	73.8
119	31.7	25.2	37.8

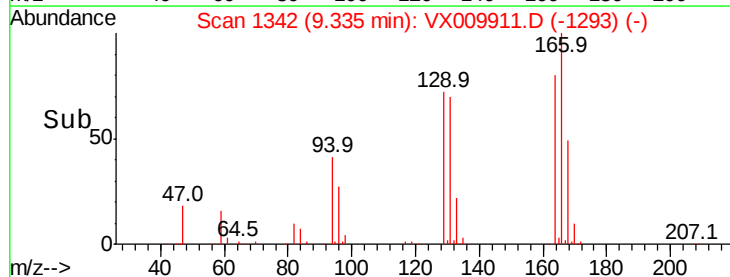
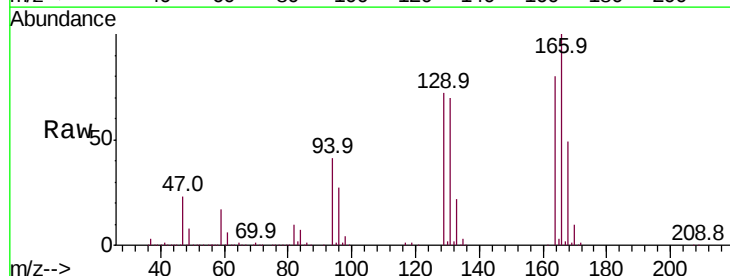
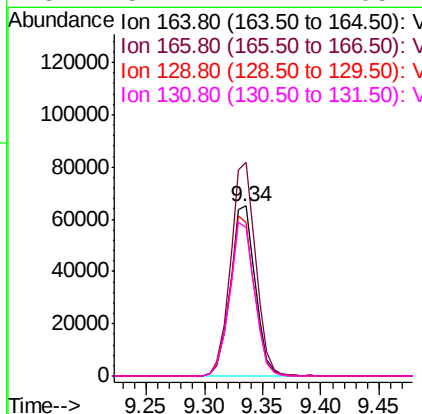
Manual Integrations
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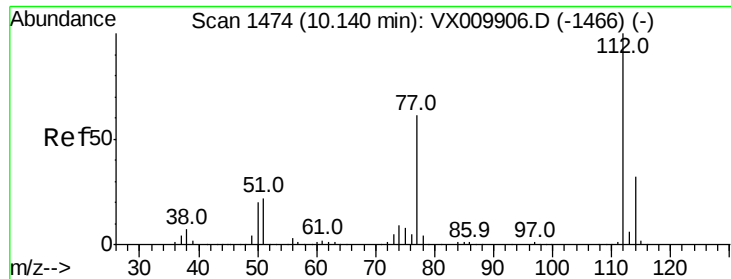
MMDadoda
5/29/2019 9:25:08 AM



#64
Tetrachloroethene
Concen: 53.669 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	105.0	157.4
129	90.0	75.1	112.7
131	87.7	72.2	108.4





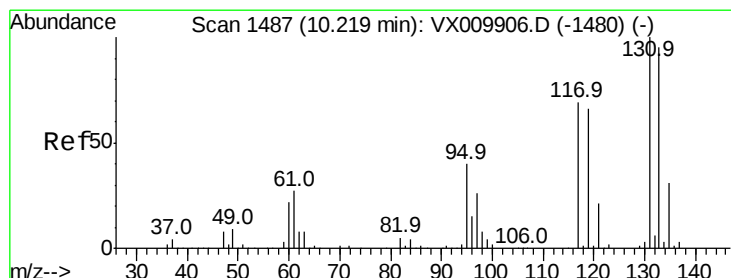
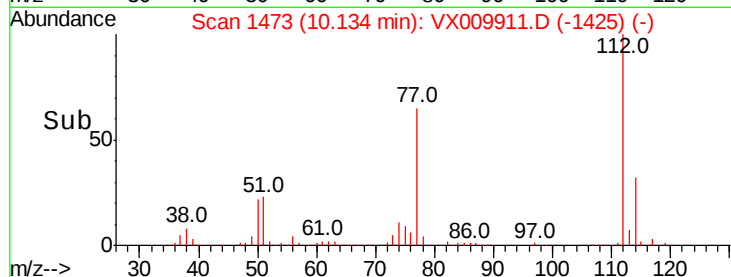
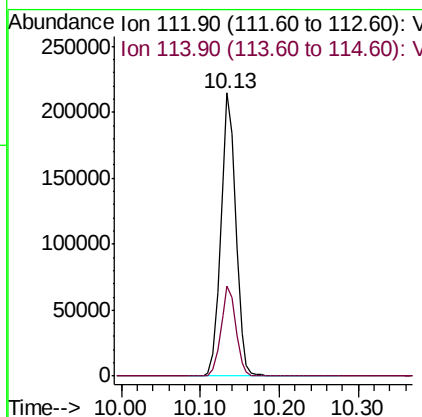
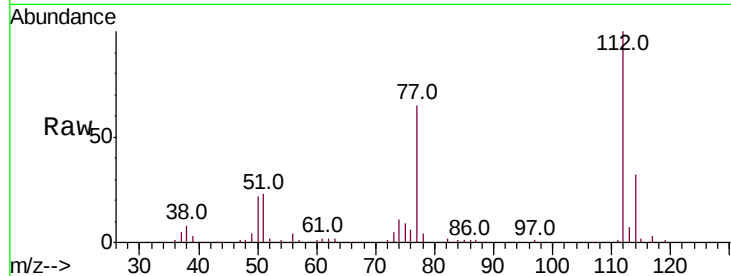
#65
Chlorobenzene
Concen: 52.515 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.8

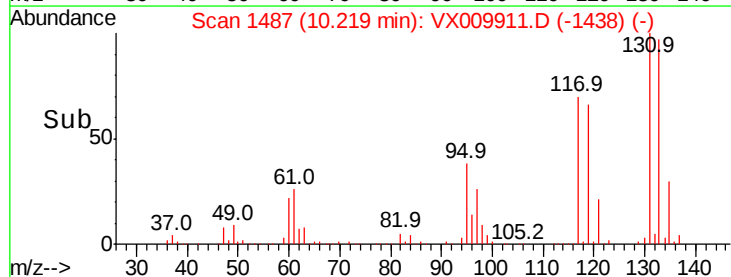
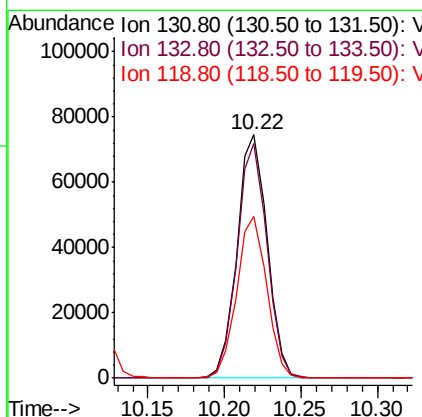
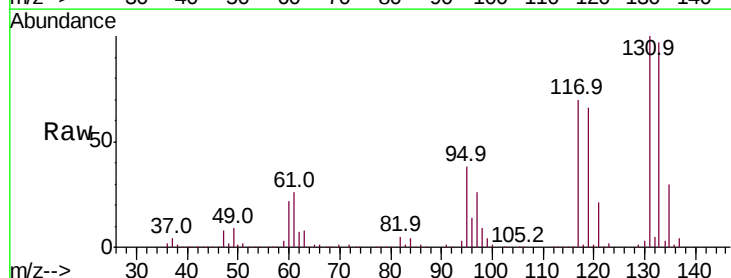
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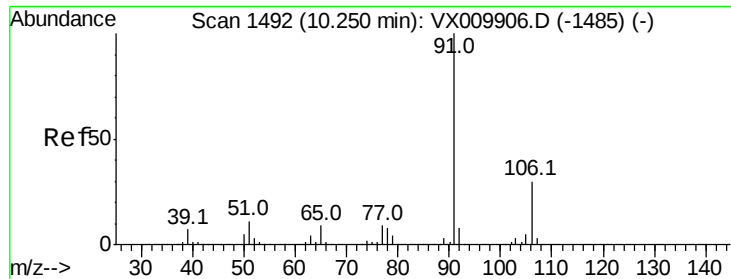
MMDadoda
5/29/2019 9:25:08 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.403 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.5	142.6
119	66.2	33.4	100.1





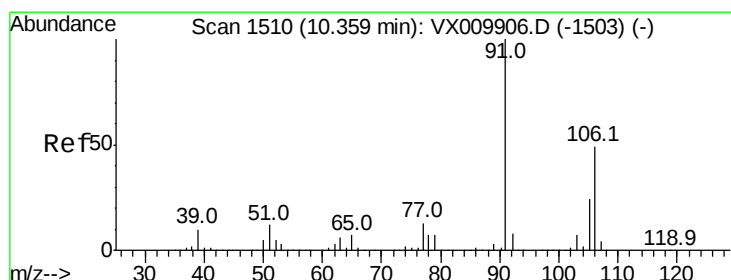
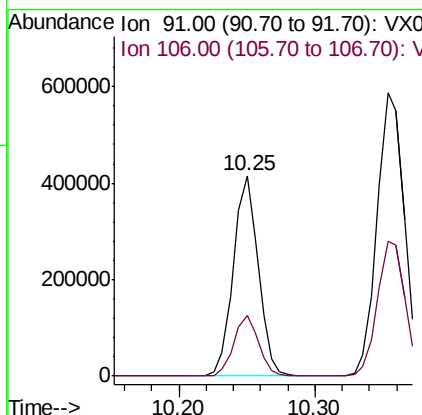
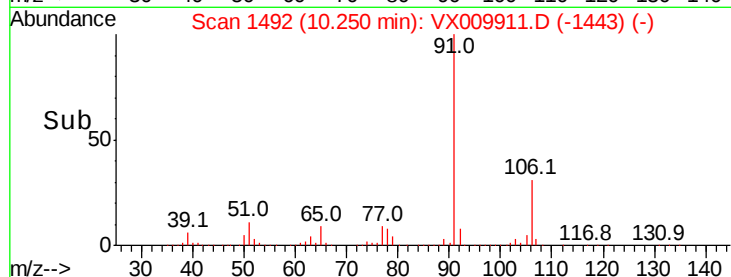
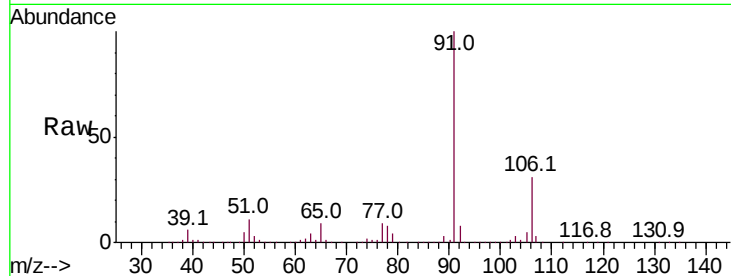
#67
Ethyl Benzene
Concen: 54.771 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion: 91 Resp: 530597
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9

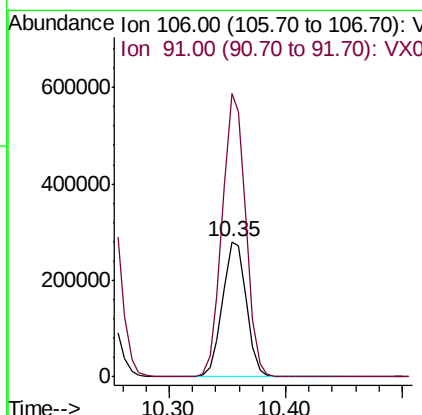
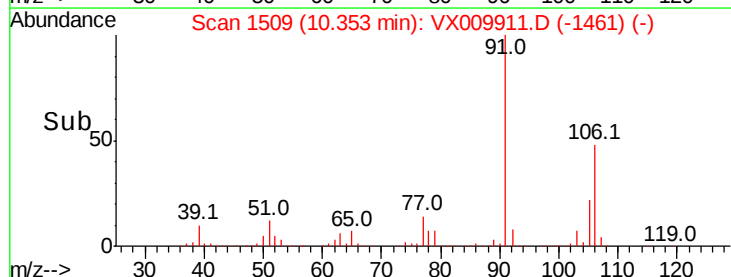
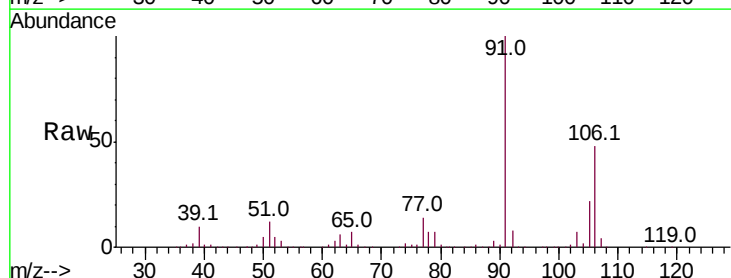
Manual Integrations
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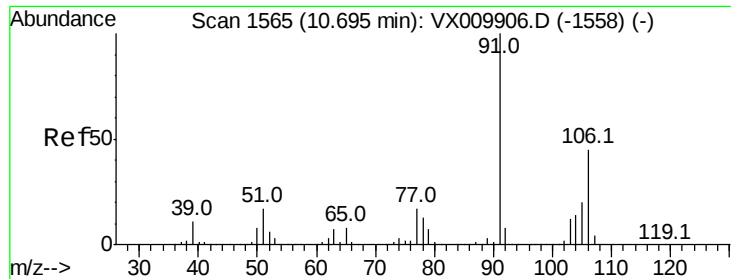
MMDadoda
5/29/2019 9:25:08 AM



#68
m/p-Xylenes
Concen: 110.249 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion: 106 Resp: 394573
Ion Ratio Lower Upper
106 100
91 207.1 167.3 250.9





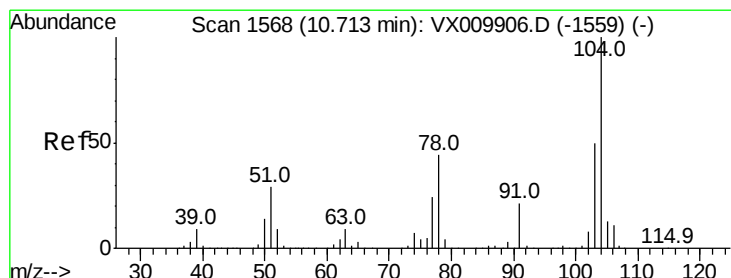
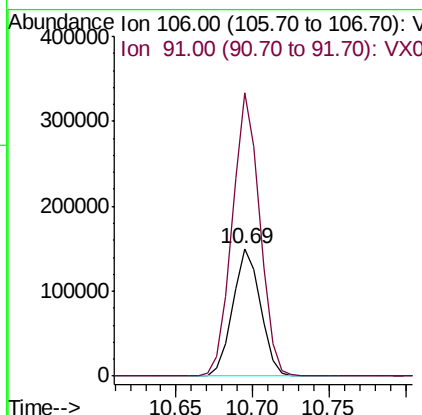
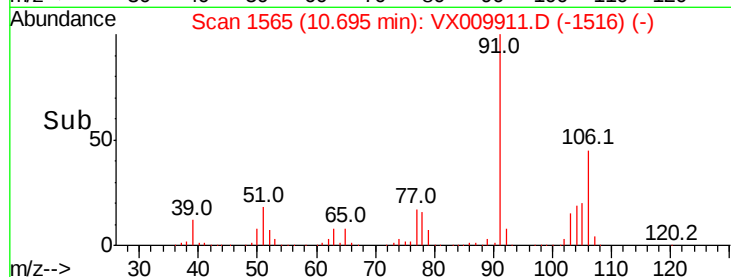
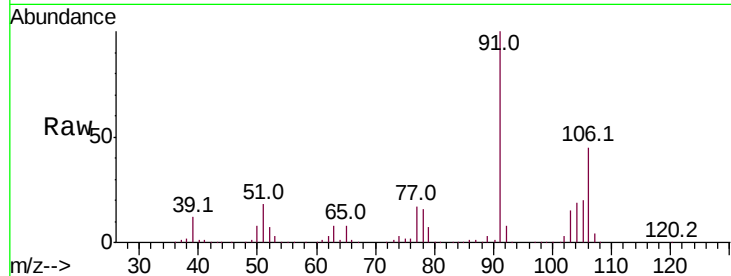
#69
o-Xylene
Concen: 54.867 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion:106 Resp: 188321
Ion Ratio Lower Upper
106 100
91 220.1 110.4 331.2

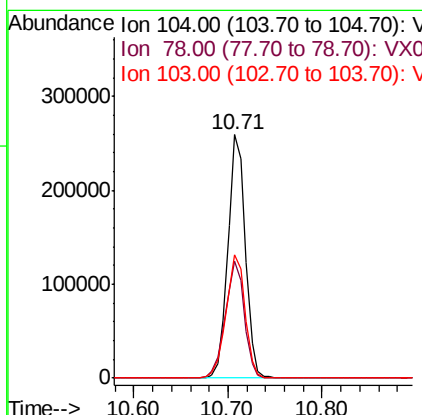
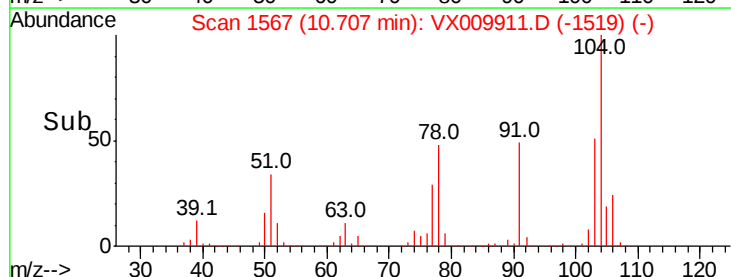
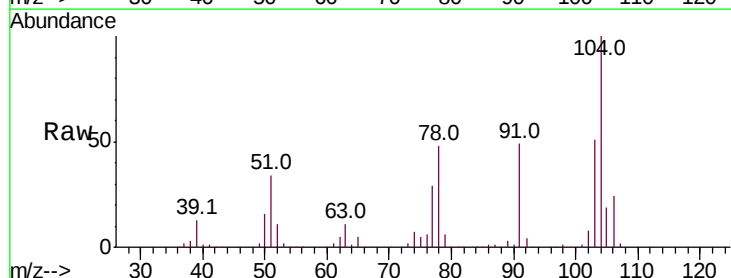
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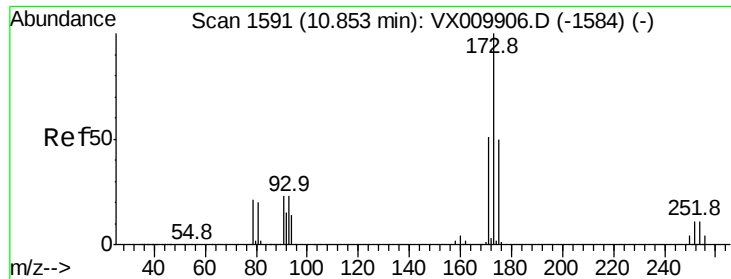
MMDadoda
5/29/2019 9:25:08 AM



#70
Styrene
Concen: 55.460 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion:104 Resp: 333797
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 55.1 44.1 66.1





#71

Bromoform

Concen: 56.202 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion:173 Resp: 85970

Ion Ratio Lower Upper

173 100

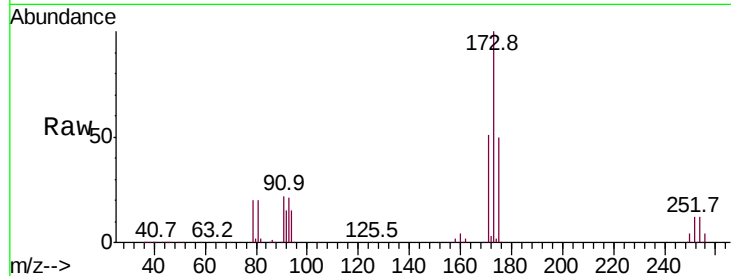
175 48.7 25.0 75.0

254 0.2 0.2 0.2

Manual Integrations
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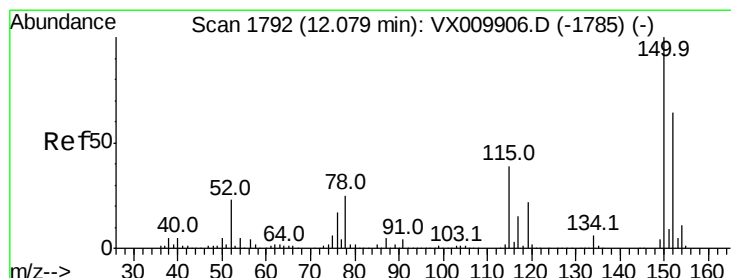
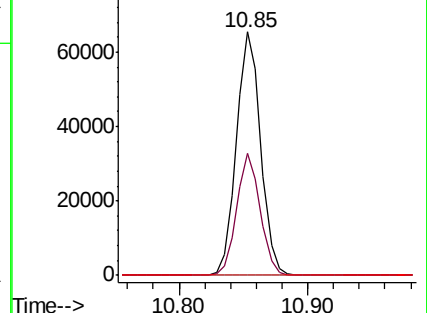
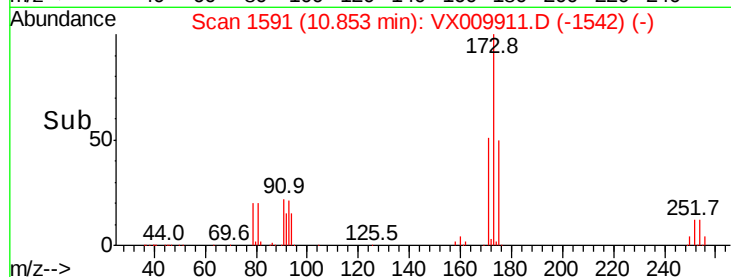
5/29/2019 9:25:08 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

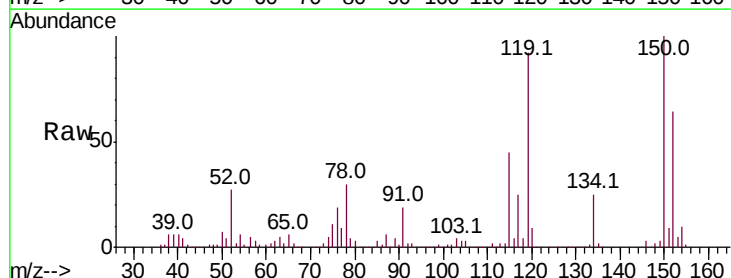
Tgt Ion:152 Resp: 130741

Ion Ratio Lower Upper

152 100

115 84.4 41.4 124.2

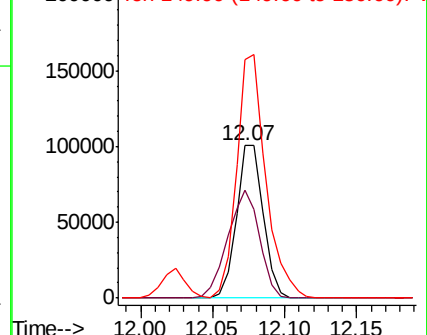
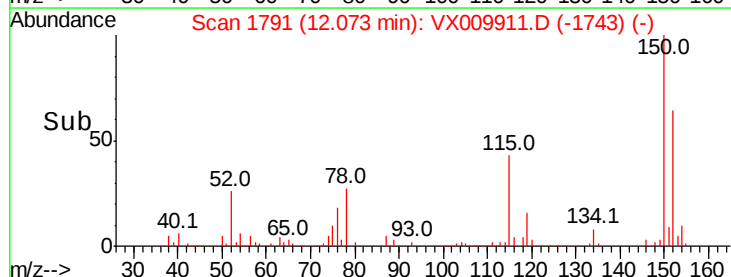
150 173.4 0.0 345.2

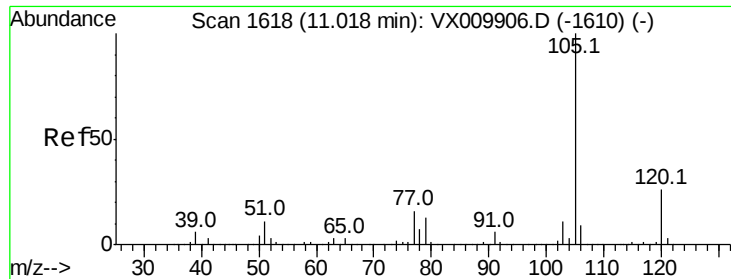


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.871 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion:105 Resp: 510018

Ion Ratio Lower Upper

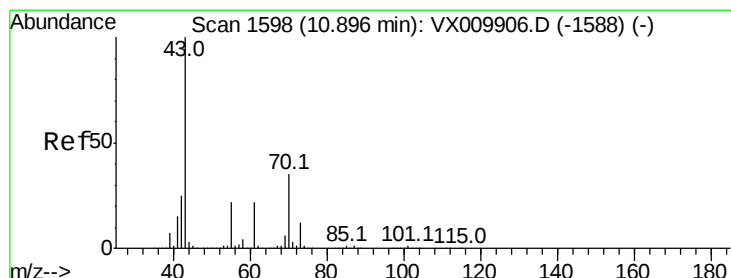
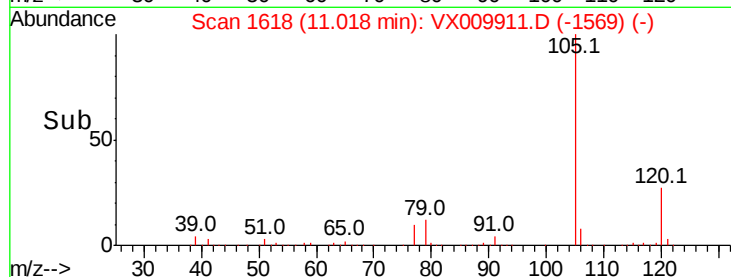
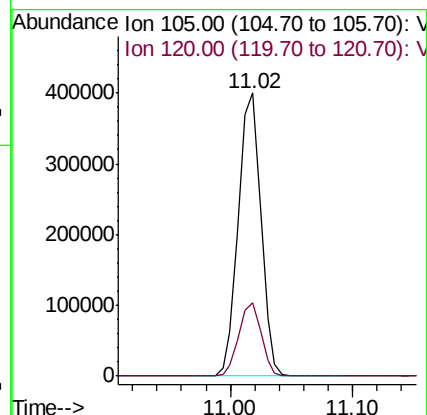
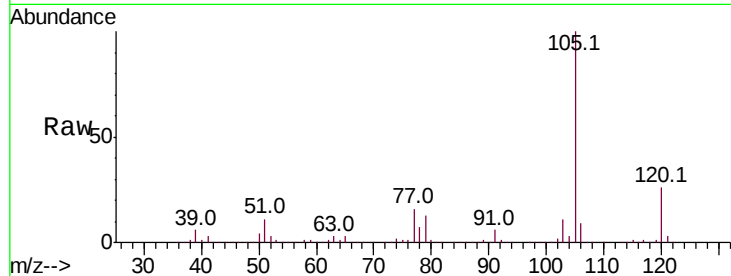
105 100

120 25.7 12.8 38.4

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#74

N-ethyl acetate

Concen: 52.915 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Tgt Ion: 43 Resp: 305011

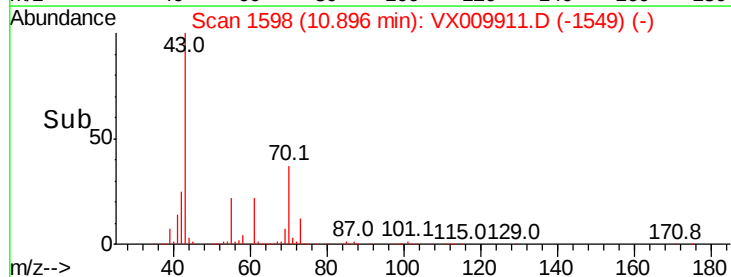
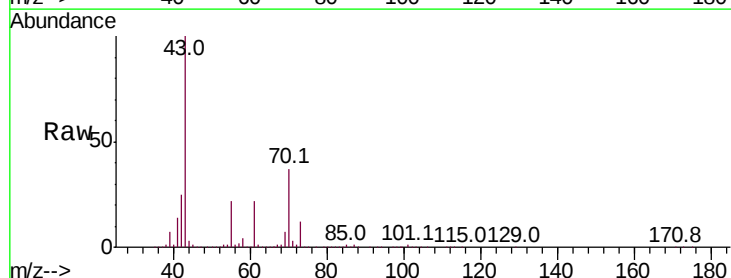
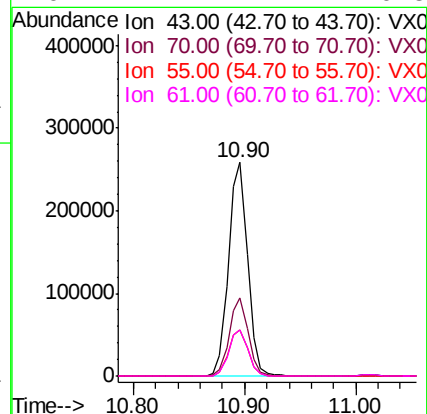
Ion Ratio Lower Upper

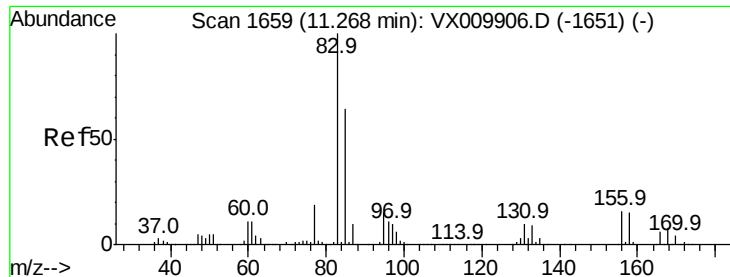
43 100

70 36.0 28.6 43.0

55 22.0 17.8 26.8

61 21.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.788 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

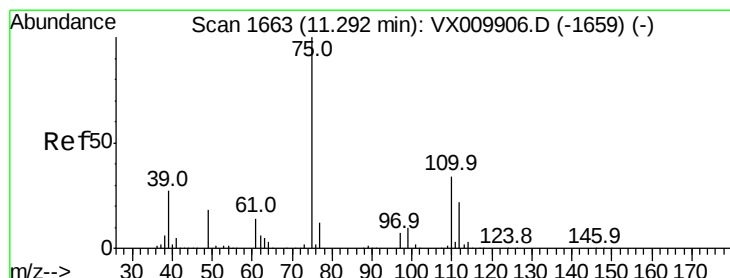
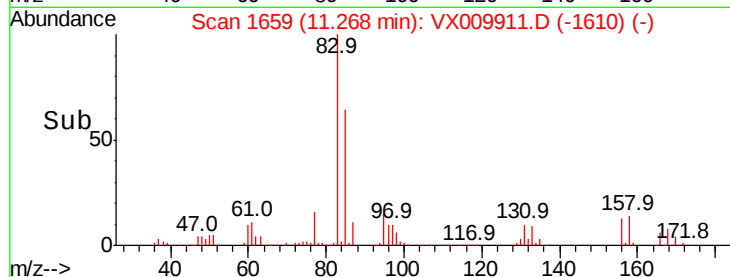
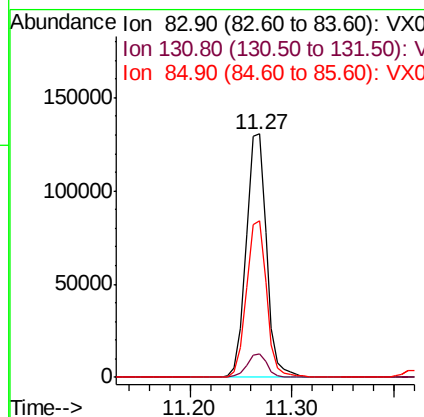
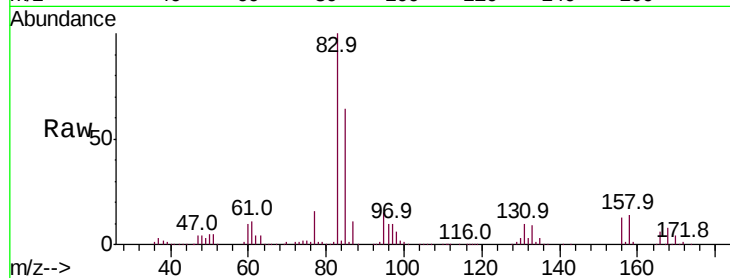
ClientSampleId :

ICVVX052819

Tot Ion:	83	Resp:	179178
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	64.1	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.994 ug/l m

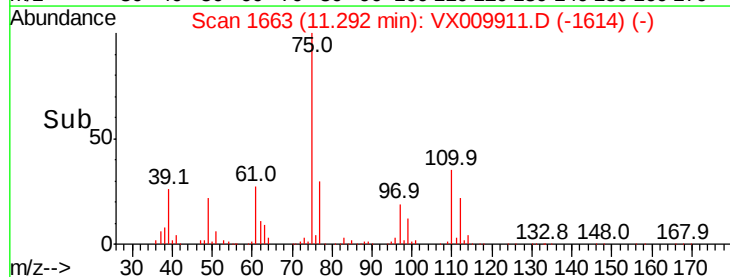
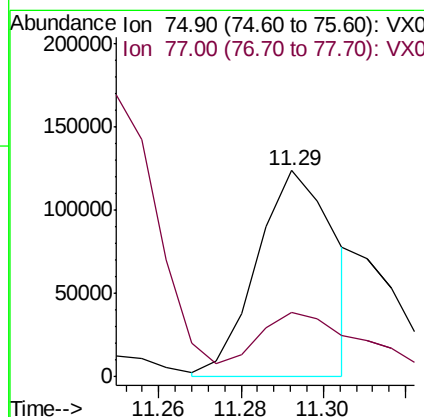
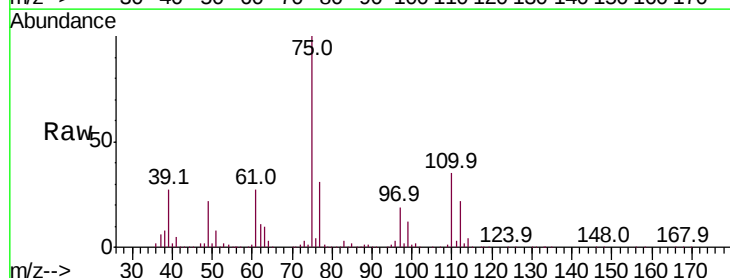
RT: 11.29 min Scan# 1663

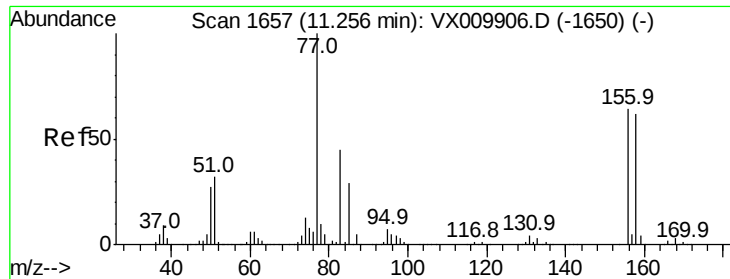
Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Tgt Ion:	75	Resp:	162554
Ion Ratio	Lower	Upper	
75	100		
77	42.9	22.1	66.1





#77

Bromobenzene

Concen: 50.861 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

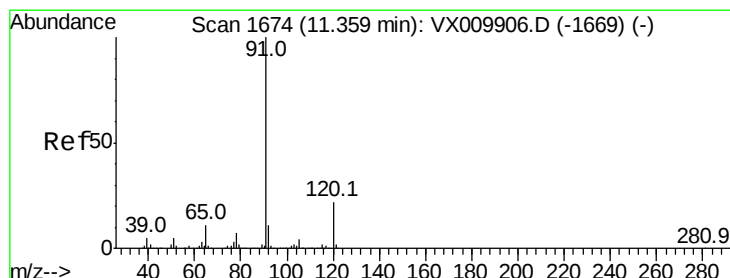
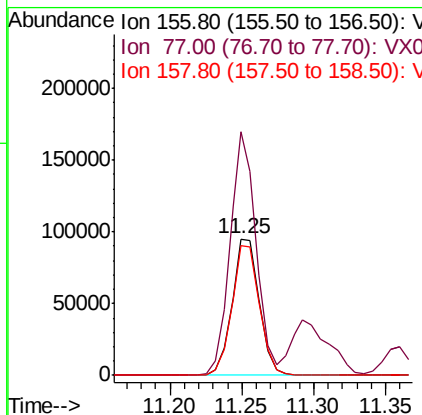
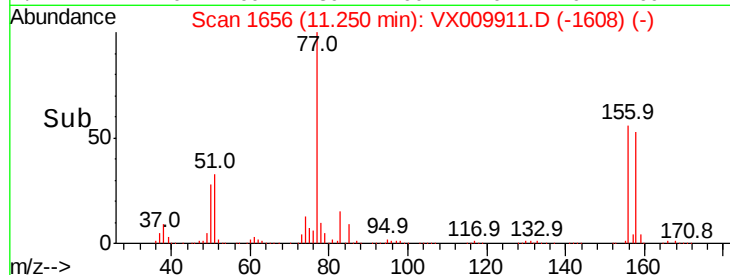
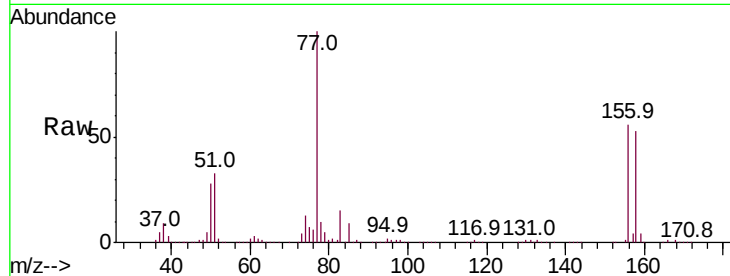
ClientSampleId :

ICVVX052819

Tot Ion:	156	Resp:	125033
Ion	Ratio	Lower	Upper
156	100		
77	171.3	86.8	260.3
158	96.3	49.6	148.8

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#78

n-propylbenzene

Concen: 54.633 ug/l

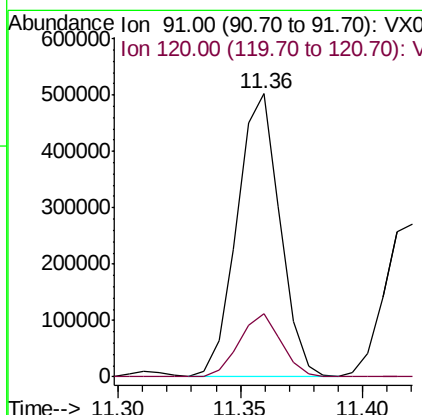
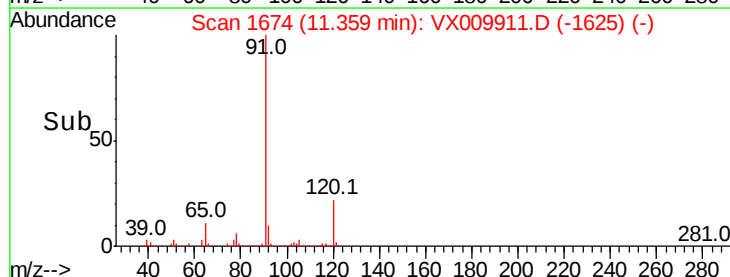
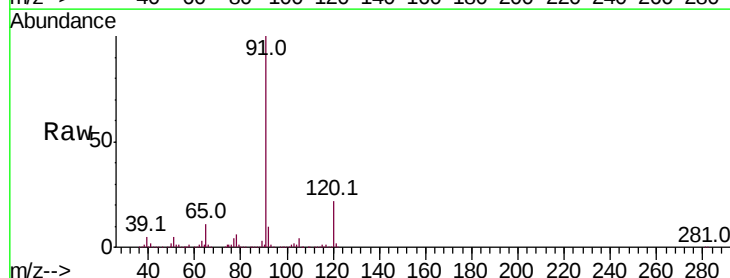
RT: 11.36 min Scan# 1674

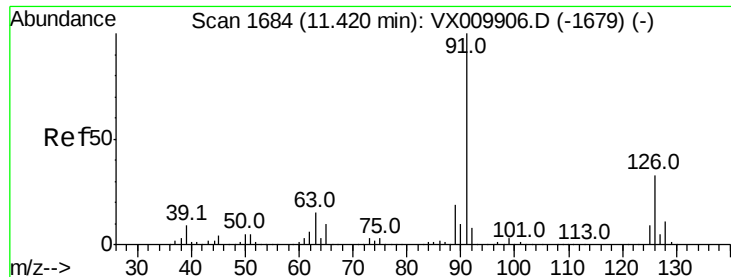
Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Tgt Ion:	91	Resp:	607459
Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 51.828 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion: 91 Resp: 352090

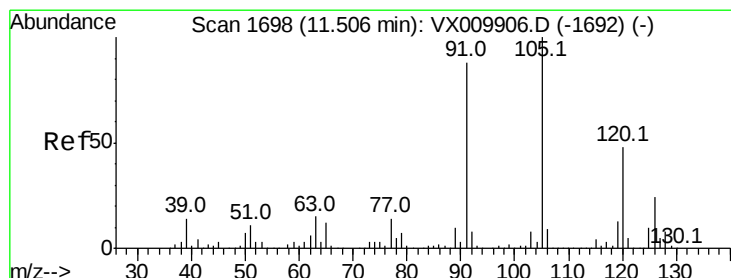
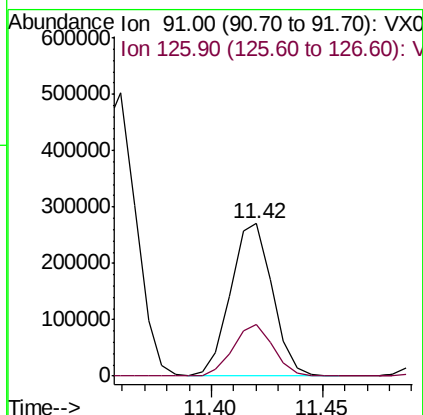
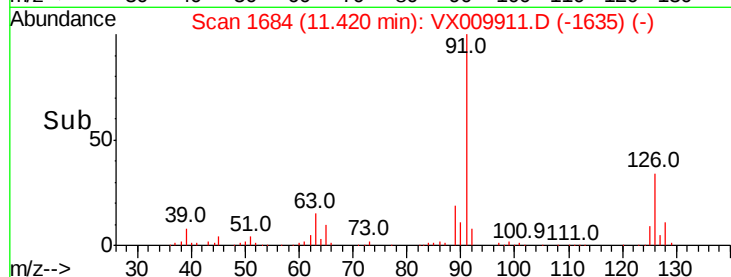
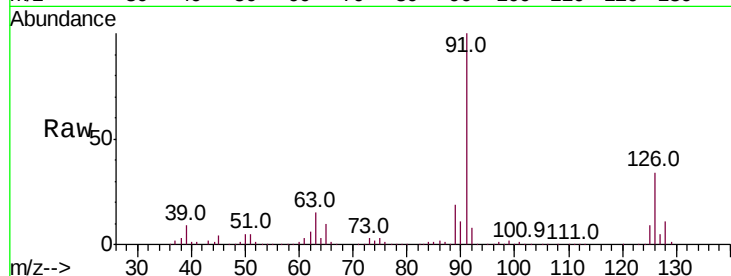
Ion Ratio Lower Upper

91 100

126 32.9 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 53.702 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009911.D

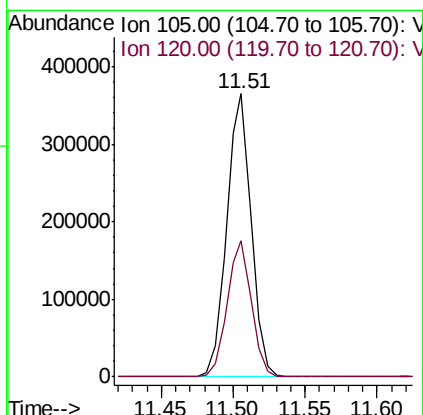
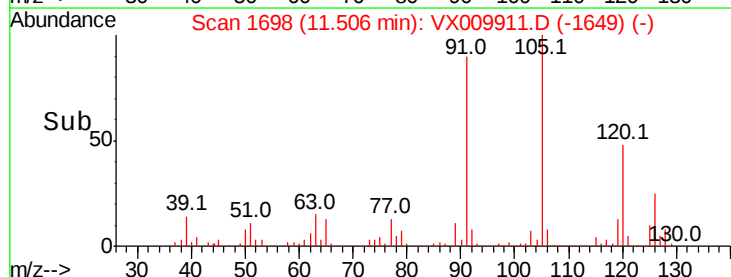
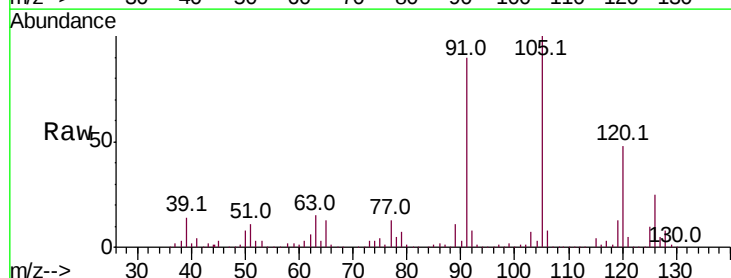
Acq: 28 May 2019 13:22

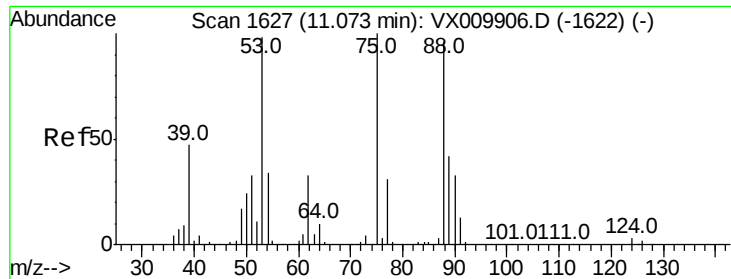
Tgt Ion: 105 Resp: 436422

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 52.001 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052819

Tot Ion: 75 Resp: 65710

Ion Ratio Lower Upper

75 100

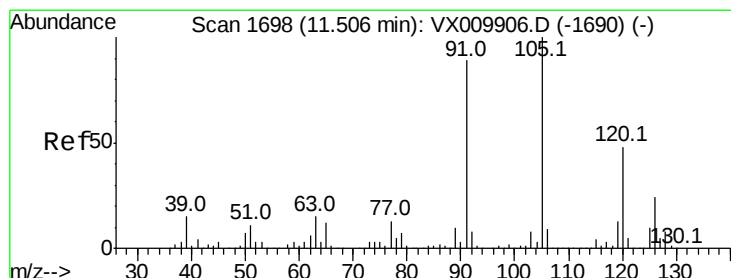
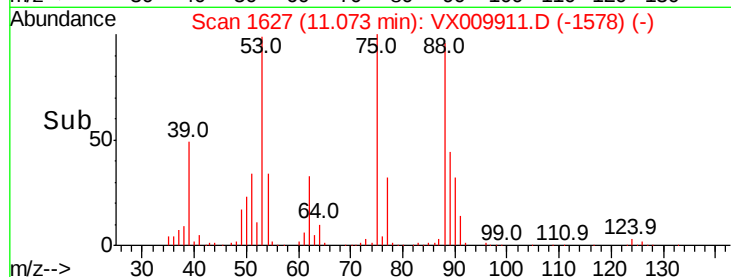
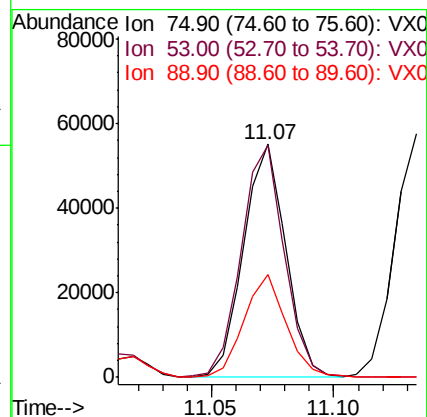
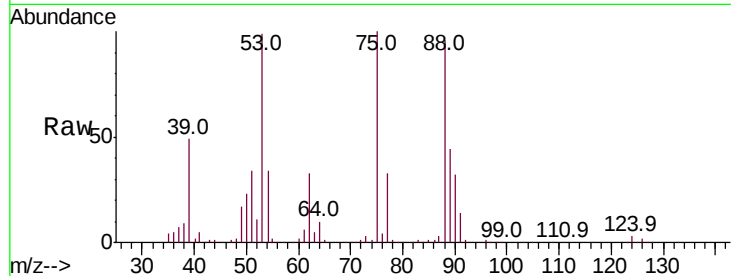
53 101.8 79.8 119.6

89 44.4 34.2 51.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.414 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009911.D

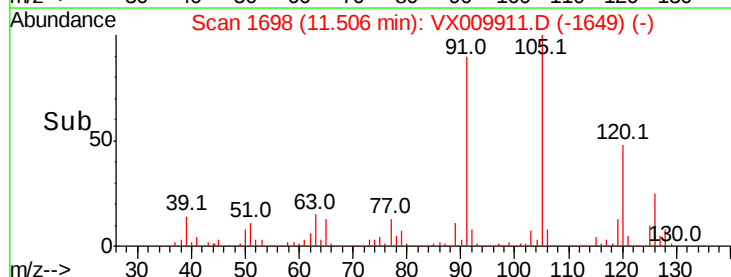
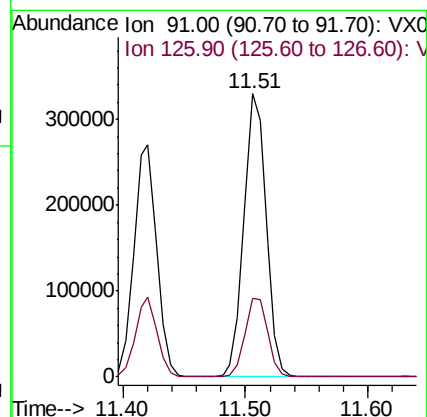
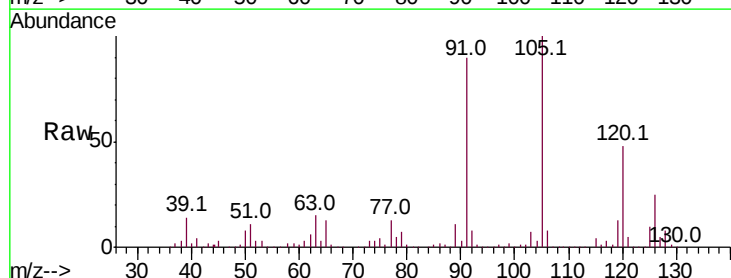
Acq: 28 May 2019 13:22

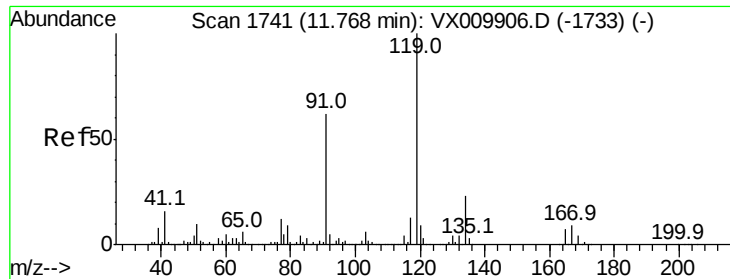
Tgt Ion: 91 Resp: 414500

Ion Ratio Lower Upper

91 100

126 28.6 14.2 42.6





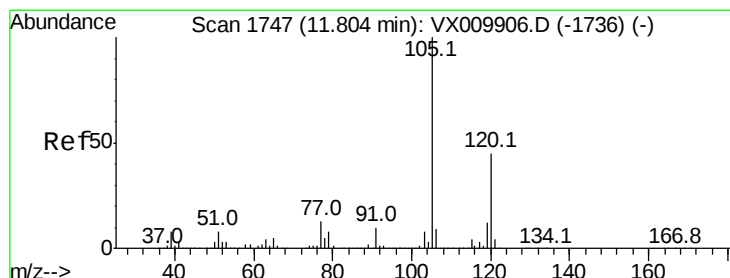
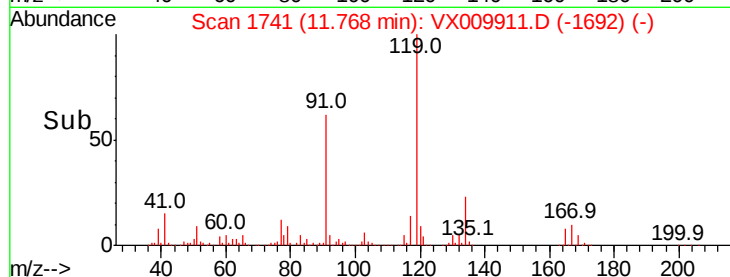
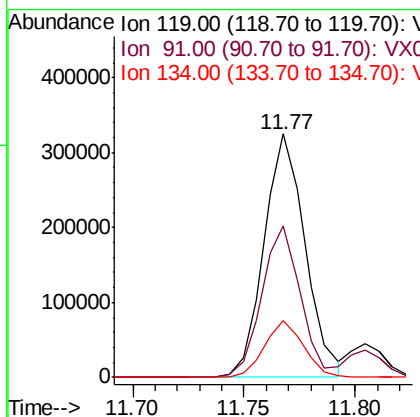
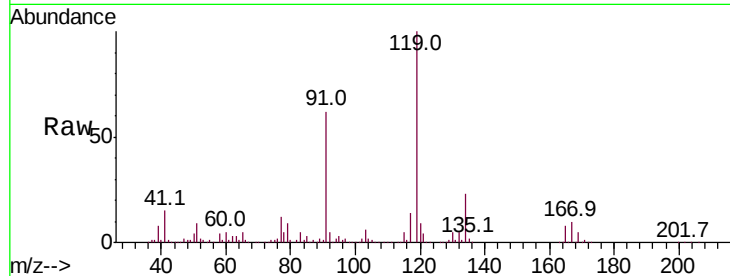
#83
tert-Butylbenzene
Concen: 53.526 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion	Ratio	Resp	Lower	Upper
119	100	416157		
91	59.3	30.0	90.0	
134	22.1	11.2	33.5	

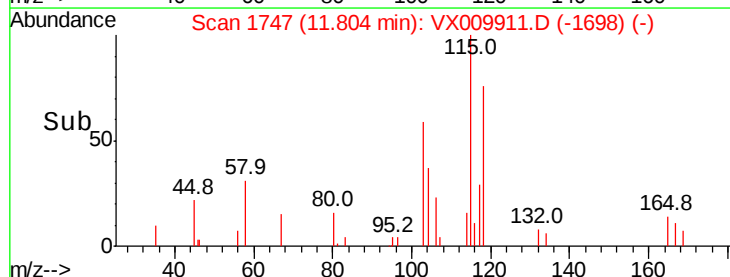
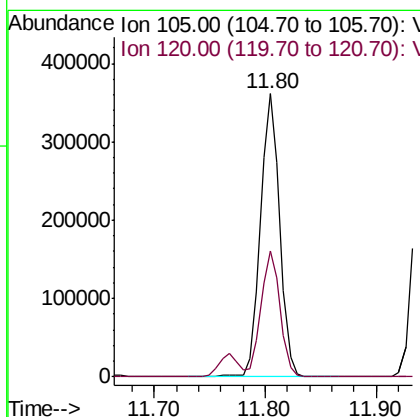
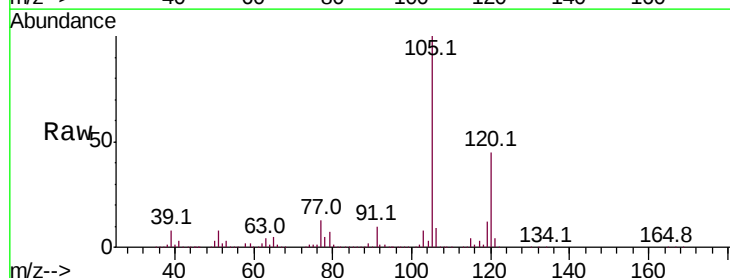
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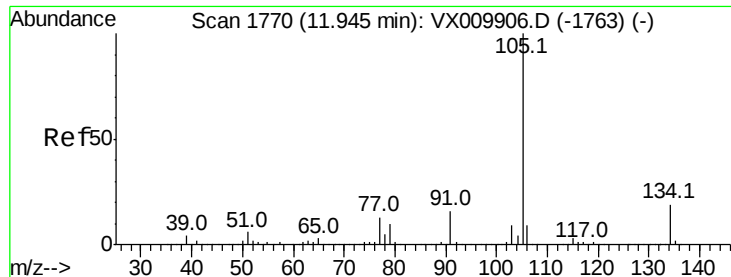
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#84
1,2,4-Trimethylbenzene
Concen: 53.007 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	437470		
120	44.2	22.1	66.1	





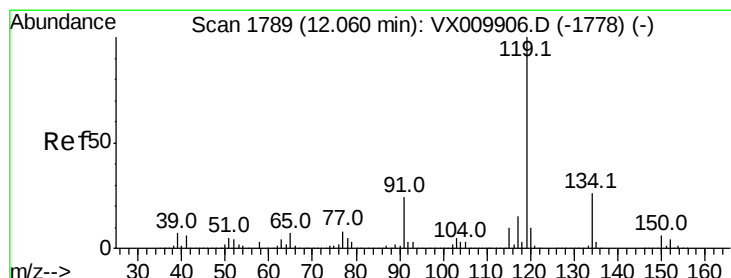
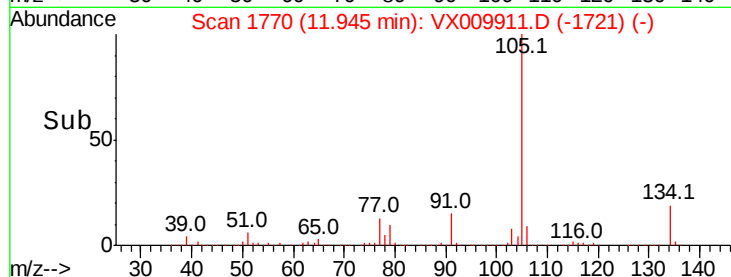
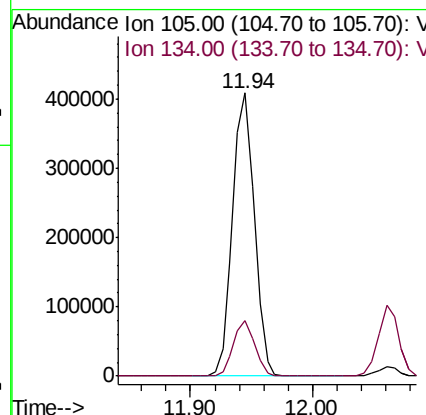
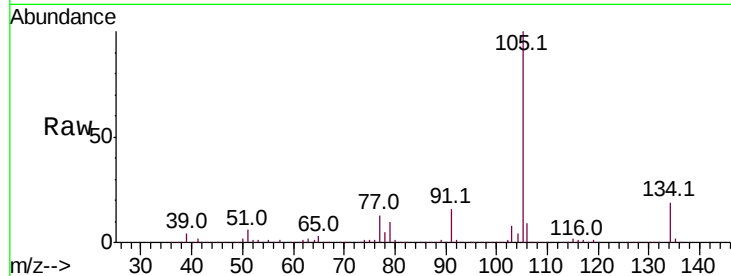
#85
 sec-Butylbenzene
 Concen: 54.263 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052819

Tot Ion	Ratio	Resp	Lower	Upper
105	100	501911		
134	19.3	9.7	28.9	

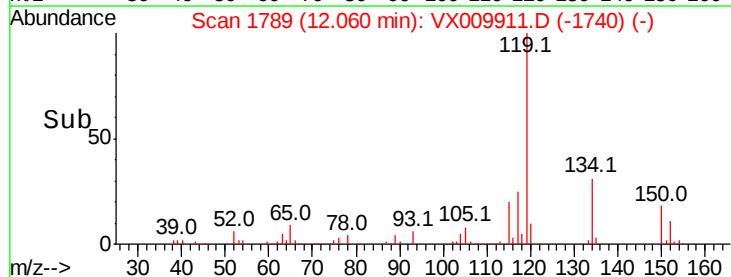
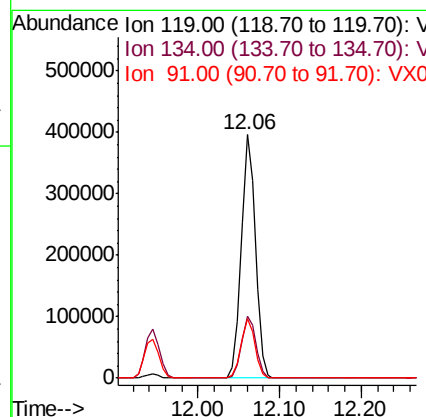
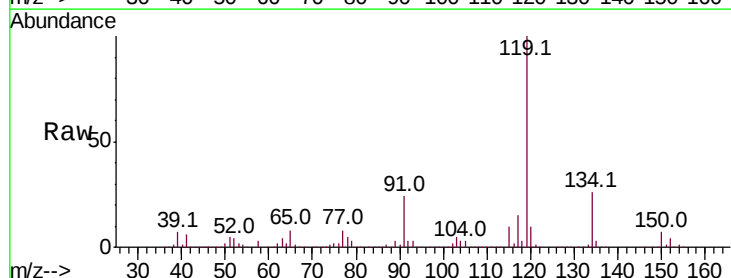
Manual Integrations
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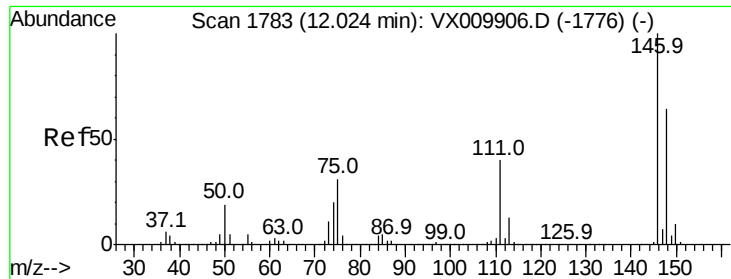
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#86
 p-Isopropyltoluene
 Concen: 55.878 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	464885		
134	25.8	12.9	38.6	
91	24.0	11.9	35.9	





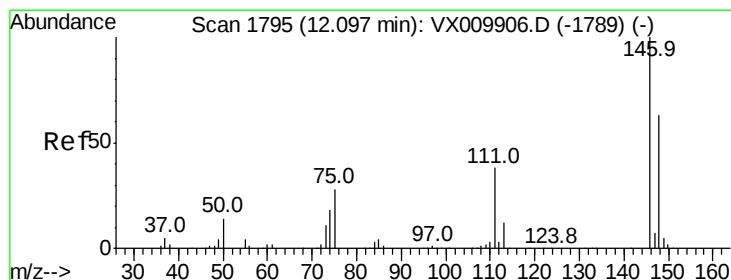
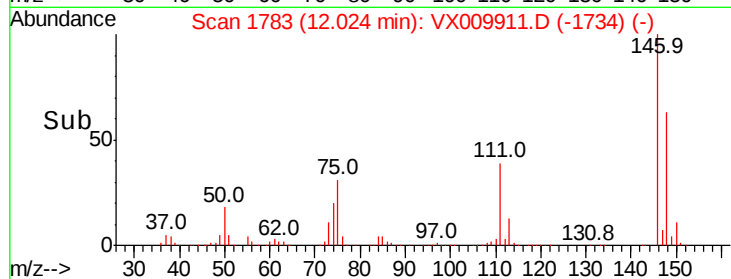
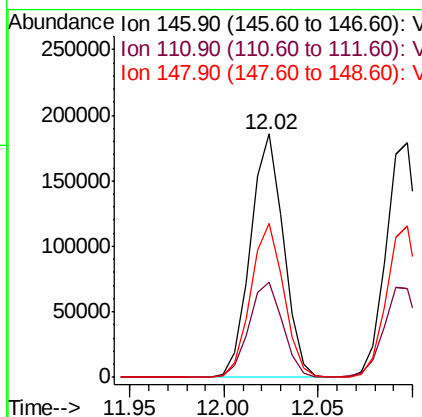
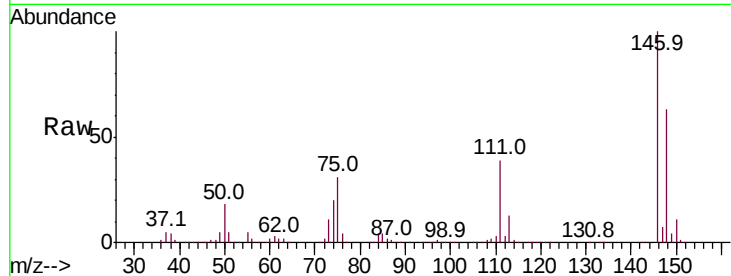
#87
 1,3-Dichlorobenzene
 Concen: 51.718 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052819

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.3	31.9	95.5

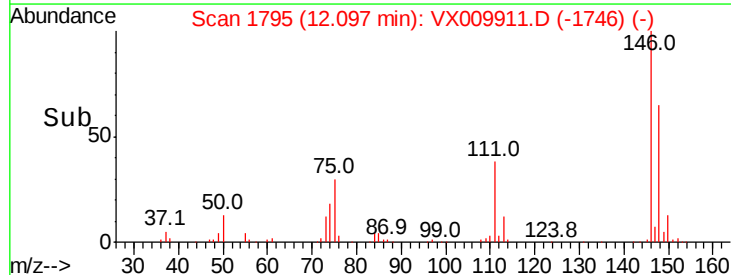
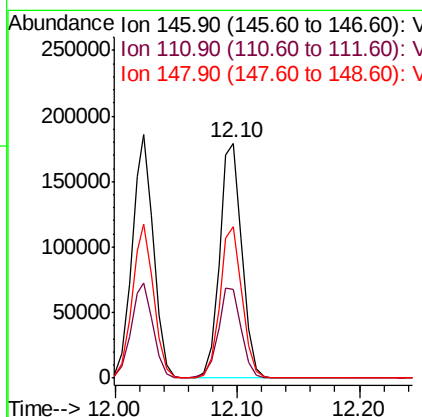
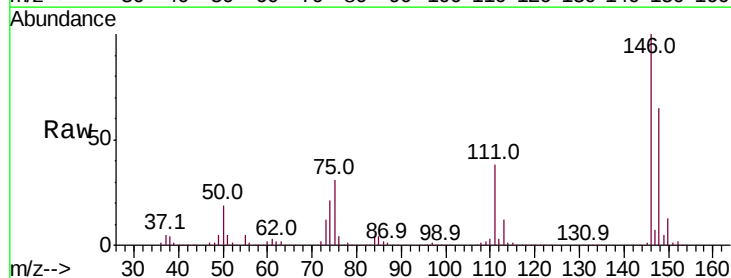
Manual Integrations
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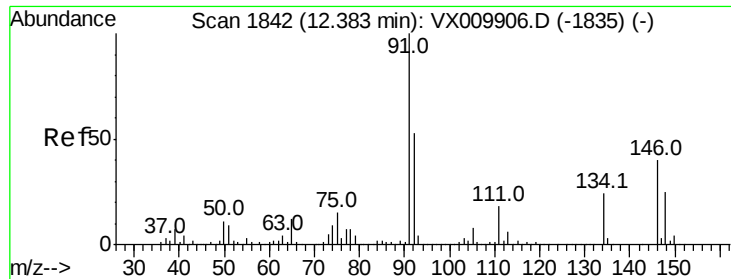
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#88
 1,4-Dichlorobenzene
 Concen: 50.683 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009911.D
 Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	63.9	32.3	96.9





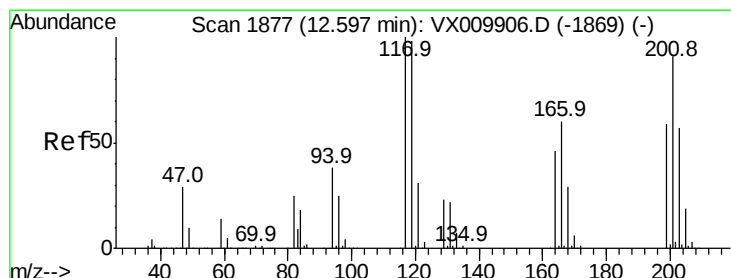
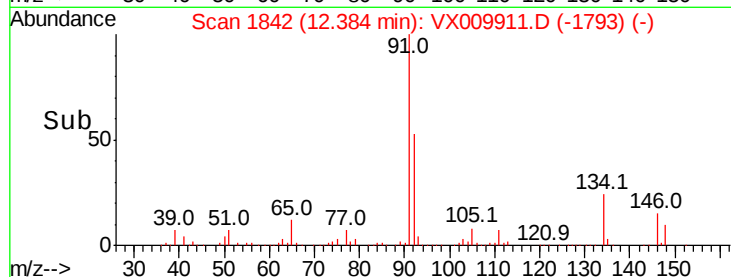
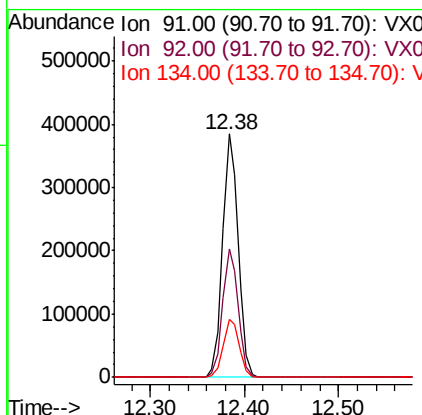
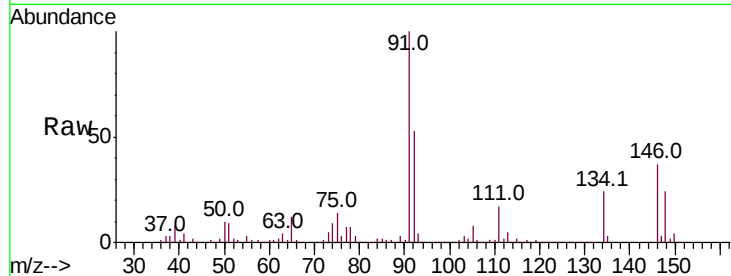
#89
n-Butylbenzene
Concen: 56.423 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052819

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.8
134	24.5	12.3	36.8

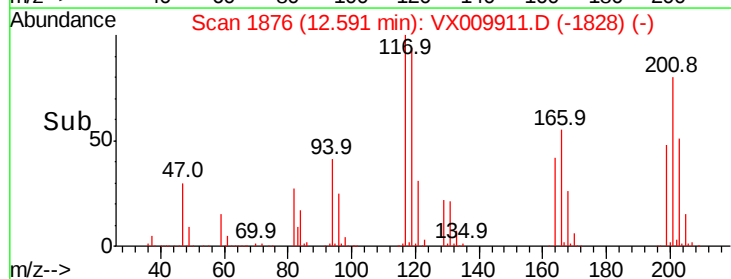
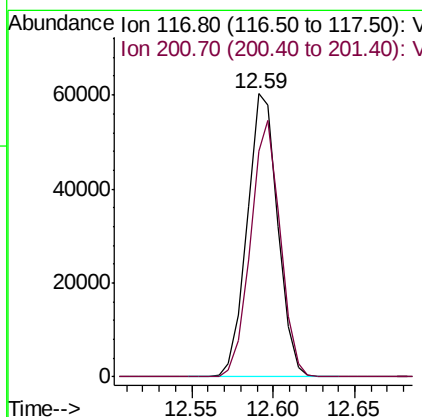
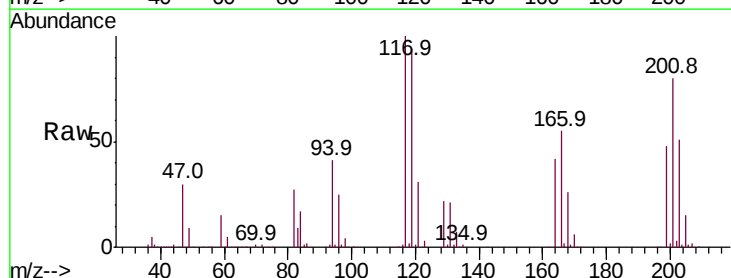
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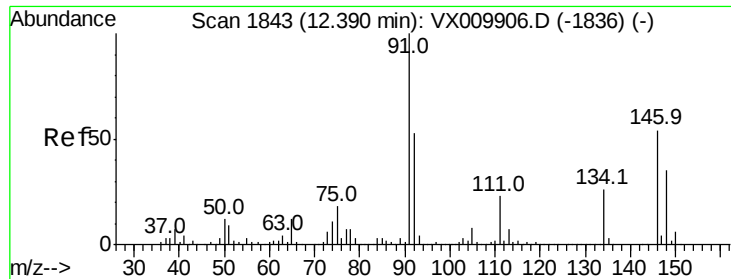
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#90
Hexachloroethane
Concen: 55.422 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009911.D
Acq: 28 May 2019 13:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 50.985 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

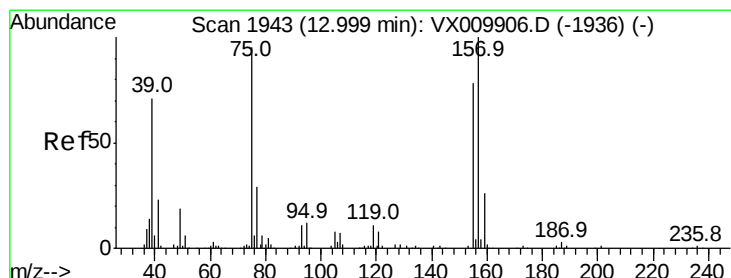
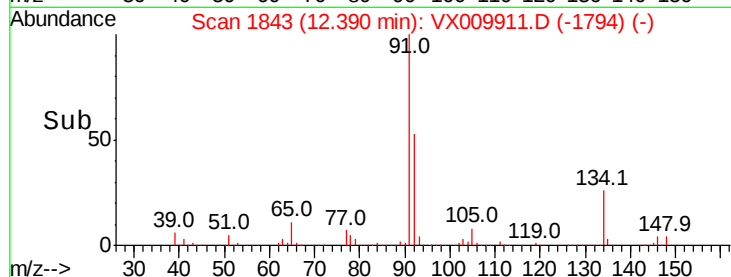
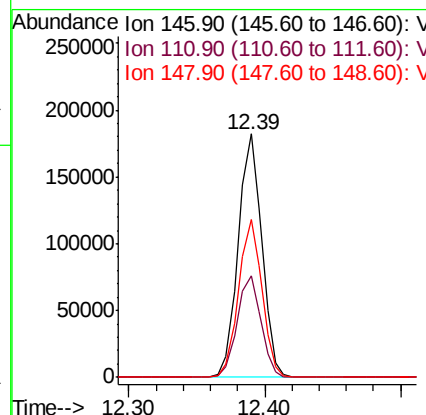
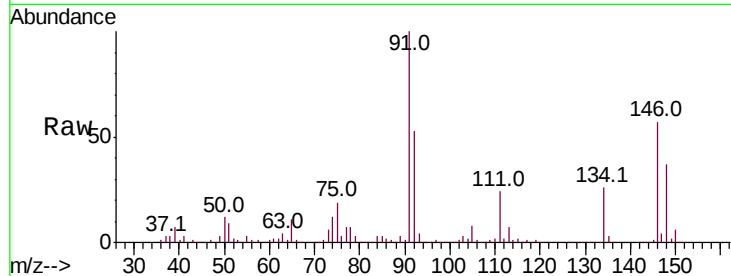
ClientSampleId :

ICVVX052819

Tot Ion:	146	Resp:	220004
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.1	63.1
148	64.4	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.785 ug/l

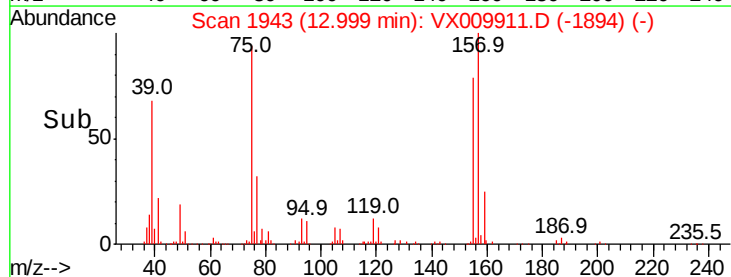
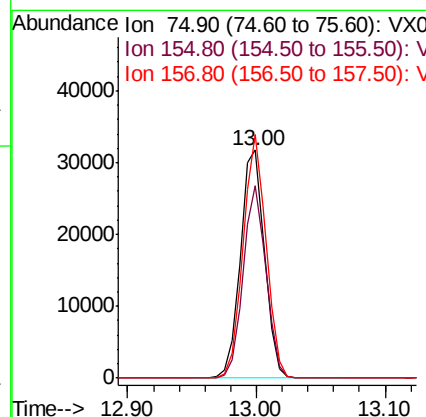
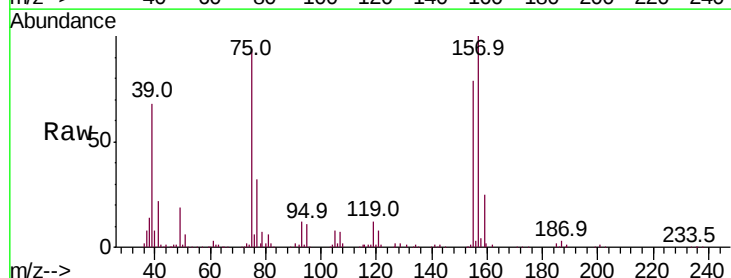
RT: 13.00 min Scan# 1943

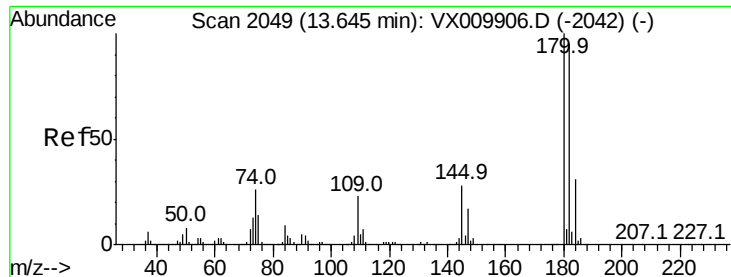
Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Tgt Ion:	75	Resp:	41326
Ion Ratio	Lower	Upper	
75	100		
155	79.5	39.3	117.8
157	100.7	50.6	151.8





#93

1,2,4-Trichlorobenzene

Concen: 52.557 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

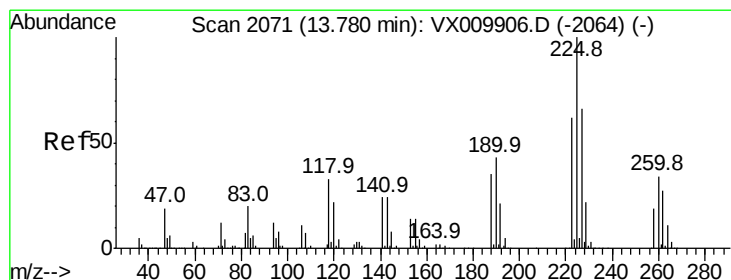
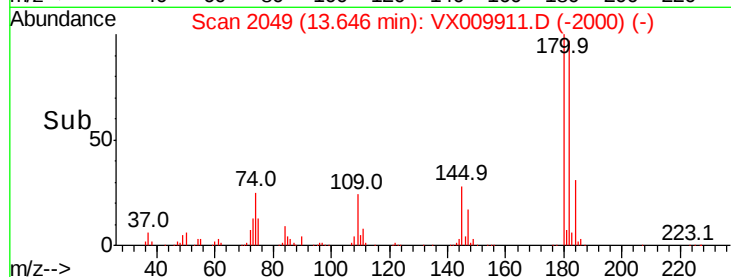
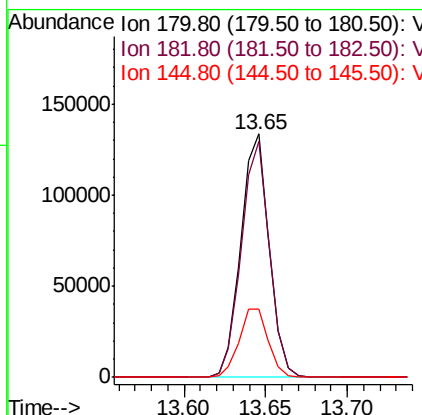
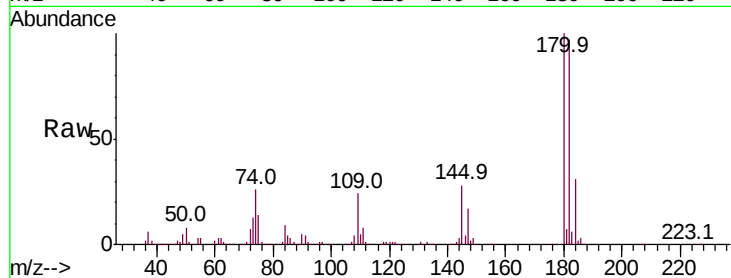
ClientSampleId :

ICVVX052819

Tot Ion:	180	Resp:	162067
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.4	142.2
145	29.1	14.5	43.5

Manual Integrations
APPROVED

MMDadoda
5/29/2019 9:25:08 AM



#94

Hexachlorobutadiene

Concen: 54.894 ug/l

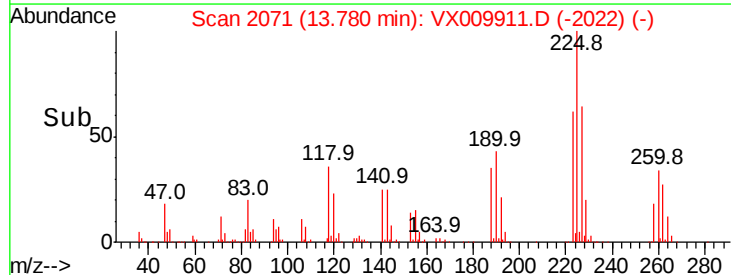
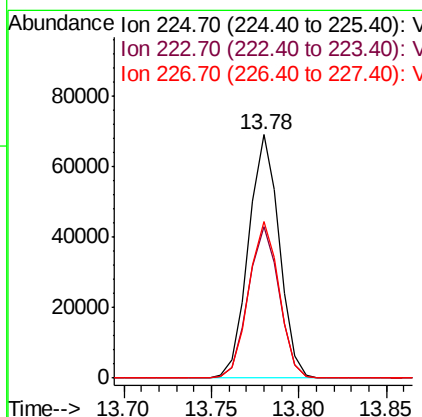
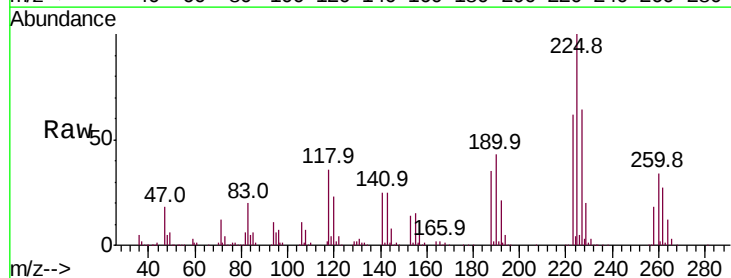
RT: 13.78 min Scan# 2071

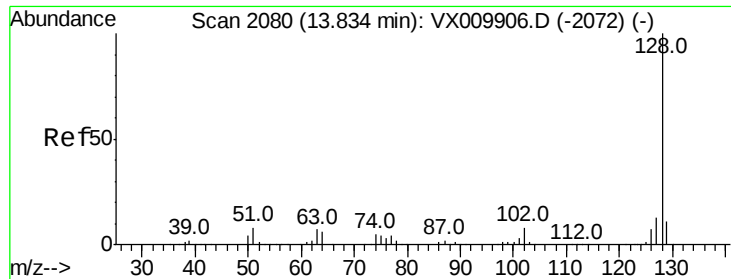
Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Tgt Ion:	225	Resp:	84904
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.3	93.8
227	63.6	32.3	96.8





#95

Naphthalene

Concen: 51.885 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Instrument :

MSVOA_X

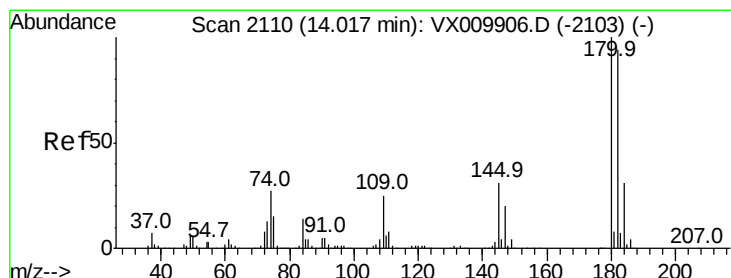
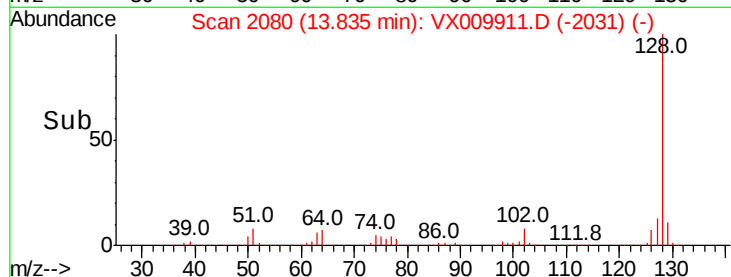
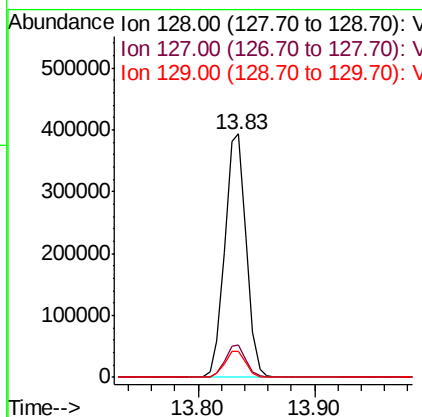
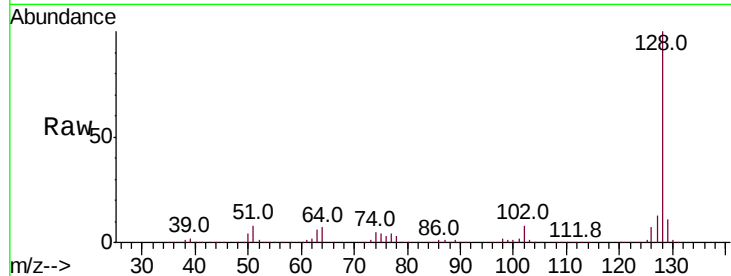
ClientSampleId :

ICVVX052819

Tot Ion:	128	Resp:	497892
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/29/2019 9:25:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.455 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009911.D

Acq: 28 May 2019 13:22

Tgt Ion:	180	Resp:	158825
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.3	142.0
145	31.0	15.6	46.7

