

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
 Data File : VX011574.D
 Acq On : 16 Aug 2019 12:29
 Operator : JC/SP
 Sample : VX0816WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:29:49 AM

Quant Time: Aug 19 01:30:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	371491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	509487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	457083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	245501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	158931	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
35) Dibromofluoromethane	5.49	113	149160	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
50) Toluene-d8	8.71	98	487873	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
62) 4-Bromofluorobenzene	11.13	95	199035	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	72779	19.931	ug/l	98
3) Chloromethane	1.32	50	61157	16.125	ug/l	99
4) Vinyl Chloride	1.40	62	59389	17.335	ug/l	100
5) Bromomethane	1.63	94	34291	22.338	ug/l	97
6) Chloroethane	1.71	64	28871	17.805	ug/l	98
7) Trichlorofluoromethane	1.92	101	84460	17.798	ug/l	98
8) Diethyl Ether	2.18	74	25960	15.948	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	50223	15.323	ug/l	98
10) Methyl Iodide	2.50	142	75133	16.091	ug/l	97
11) Tert butyl alcohol	3.03	59	68989	81.626	ug/l	99
12) 1,1-Dichloroethene	2.37	96	45961	14.510	ug/l	100
13) Acrolein	2.28	56	20818	88.334	ug/l	98
14) Allyl chloride	2.72	41	89144	16.918	ug/l	97
15) Acrylonitrile	3.13	53	165099	85.351	ug/l	99
16) Acetone	2.43	43	143441	82.806	ug/l	98
17) Carbon Disulfide	2.56	76	127474	17.079	ug/l	99
18) Methyl Acetate	2.76	43	92324	17.185	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	179156	17.366	ug/l	99
20) Methylene Chloride	2.85	84	61416	16.886	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	57882	17.244	ug/l	97
22) Diisopropyl ether	3.84	45	184298	17.563	ug/l	95
23) Vinyl Acetate	3.81	43	722604	86.961	ug/l	99
24) 1,1-Dichloroethane	3.68	63	100140	16.879	ug/l	99
25) 2-Butanone	4.66	43	228836	84.147	ug/l	100
26) 2,2-Dichloropropane	4.57	77	78947	17.680	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	66398	16.968	ug/l	99
28) Bromochloromethane	5.00	49	45897	17.622	ug/l	98
29) Tetrahydrofuran	5.12	42	148625	83.314	ug/l	99
30) Chloroform	5.20	83	108722	17.364	ug/l	97
31) Cyclohexane	5.57	56	90439	17.705	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	92738	17.225	ug/l	99
36) 1,1-Dichloropropene	5.79	75	77775	17.854	ug/l	99
37) Ethyl Acetate	4.82	43	86670	17.298	ug/l	99
38) Carbon Tetrachloride	5.78	117	81807	17.046	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	95764	17.802	ug/l	95
40) Benzene	6.13	78	235155	17.371	ug/l	100
41) Methacrylonitrile	5.03	41	46940	17.023	ug/l	96
42) 1,2-Dichloroethane	6.18	62	84390	17.994	ug/l	99
43) Isopropyl Acetate	6.43	43	130444	16.683	ug/l	99
44) Trichloroethene	7.21	130	70439	17.541	ug/l	97
45) 1,2-Dichloropropane	7.51	63	59664	17.673	ug/l	92
46) Dibromomethane	7.66	93	40627	16.560	ug/l	98
47) Bromodichloromethane	7.89	83	75084	16.669	ug/l	98
48) Methyl methacrylate	7.76	41	65855	17.007	ug/l	99
49) 1,4-Dioxane	7.73	88	34164	331.721	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	449783	87.883	ug/l	98
52) Toluene	8.78	92	152270	17.656	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	79576	17.022	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	90788	17.745	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	64336	17.543	ug/l	98
56) Ethyl methacrylate	9.17	69	93119	17.470	ug/l	99
57) 1,3-Dichloropropane	9.37	76	100865	17.302	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	236977	89.226	ug/l	100
59) 2-Hexanone	9.49	43	337773	85.583	ug/l	100
60) Dibromochloromethane	9.58	129	66948	17.521	ug/l	99
61) 1,2-Dibromoethane	9.67	107	68417	17.480	ug/l	100
64) Tetrachloroethene	9.33	164	66687	17.782	ug/l	97
65) Chlorobenzene	10.13	112	172302	17.674	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	65048	17.851	ug/l	98
67) Ethyl Benzene	10.25	91	288714	17.745	ug/l	100
68) m/p-Xylenes	10.35	106	226230	36.223	ug/l	99
69) o-Xylene	10.69	106	109895	17.964	ug/l	97
70) Styrene	10.71	104	181968	17.669	ug/l	100
71) Bromoform	10.85	173	52803	17.222	ug/l #	97
73) Isopropylbenzene	11.01	105	297733	18.690	ug/l	99
74) N-amyl acetate	10.90	43	114776	16.954	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	96784	17.661	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	82181m	17.653	ug/l	
77) Bromobenzene	11.25	156	85122	17.960	ug/l	99
78) n-propylbenzene	11.35	91	320449	18.655	ug/l	100
79) 2-Chlorotoluene	11.42	91	193514	18.346	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	252170	18.844	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	25181	17.824	ug/l	93
82) 4-Chlorotoluene	11.51	91	225450	18.423	ug/l	100
83) tert-Butylbenzene	11.77	119	251442	18.449	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	254330	18.931	ug/l	99
85) sec-Butylbenzene	11.94	105	287420	18.692	ug/l	99
86) p-Isopropyltoluene	12.06	119	279027	19.288	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	147111	18.058	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	148175	17.946	ug/l	99
89) n-Butylbenzene	12.38	91	218622	18.382	ug/l	100
90) Hexachloroethane	12.59	117	40240	17.615	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	147938	18.090	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	20294	16.187	ug/l	99

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ClientSampleId :
VX0816WBS01

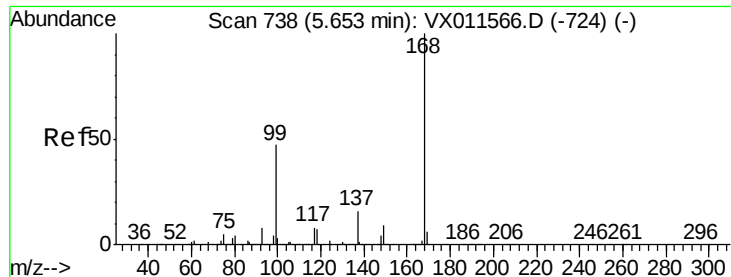
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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	108377	17.786	ug/l	99
94) Hexachlorobutadiene	13.78	225	61493	18.534	ug/l	99
95) Naphthalene	13.83	128	301084	17.479	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	108604	17.671	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS01

Tot Ion: 168 Resp: 371491

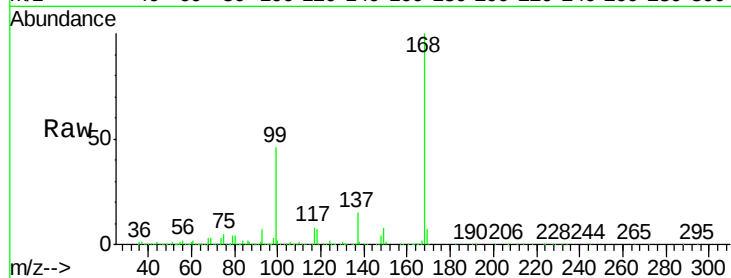
Ion Ratio Lower Upper

168 100

99 46.0 37.3 55.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

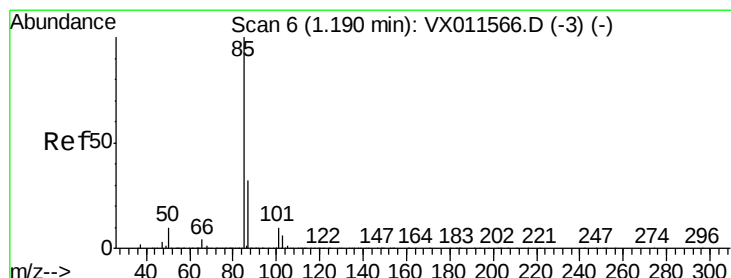
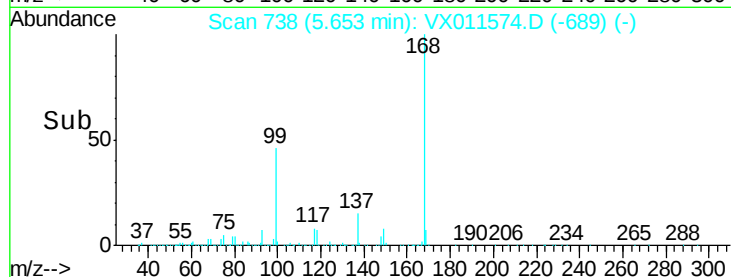
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50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.931 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011574.D

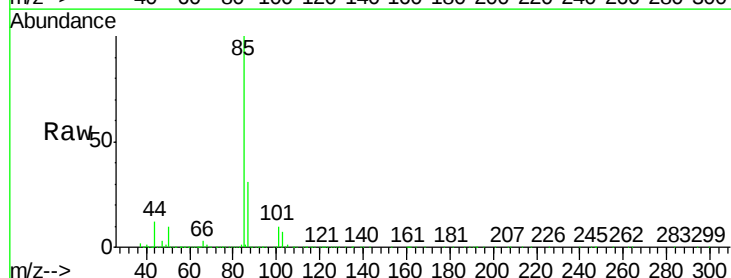
Acq: 16 Aug 2019 12:29

Tgt Ion: 85 Resp: 72779

Ion Ratio Lower Upper

85 100

87 30.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

60000

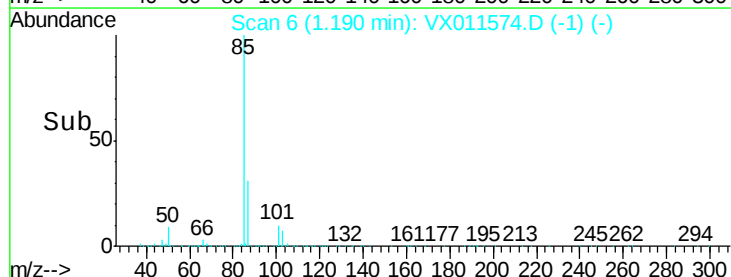
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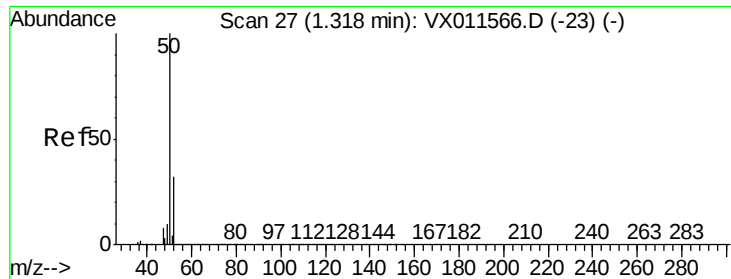
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 16.125 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS01

Tot Ion: 50 Resp: 61157

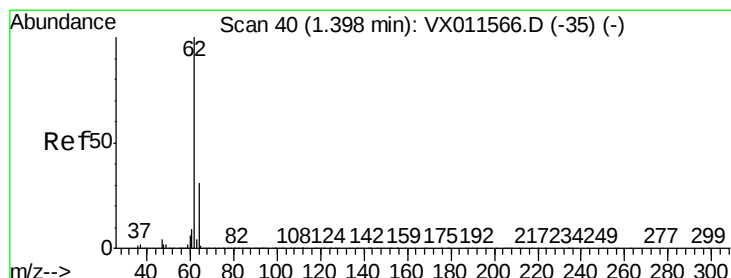
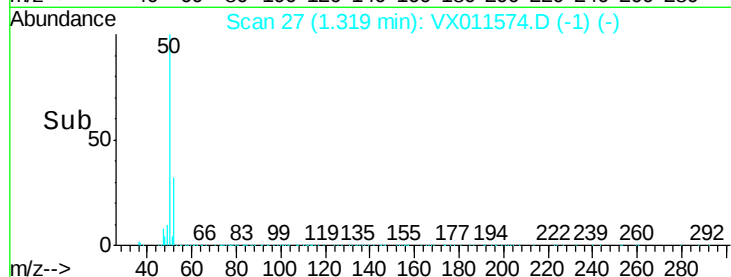
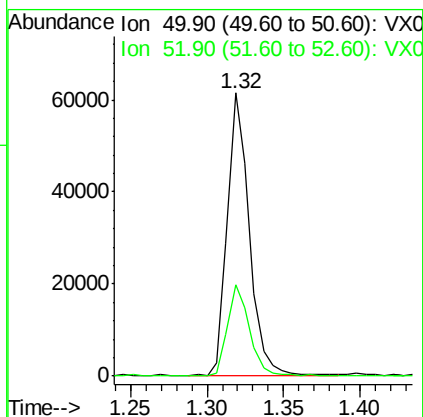
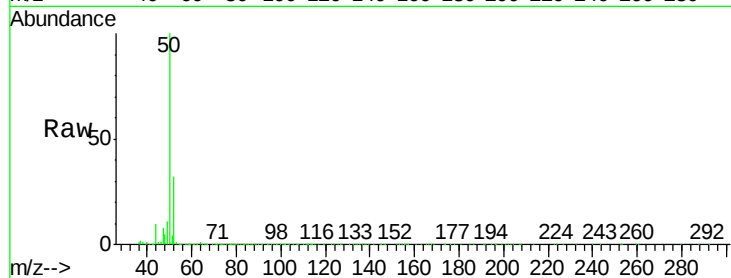
Ion Ratio Lower Upper

50 100

52 32.0 26.0 39.0

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#4

Vinyl Chloride

Concen: 17.335 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011574.D

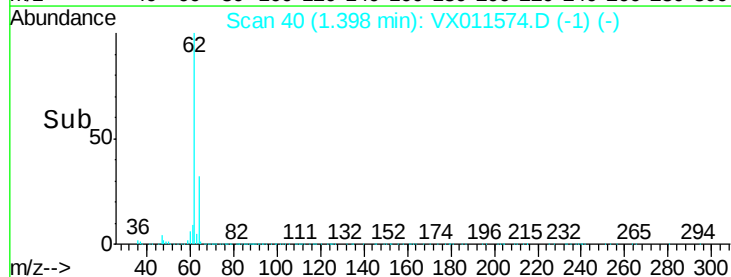
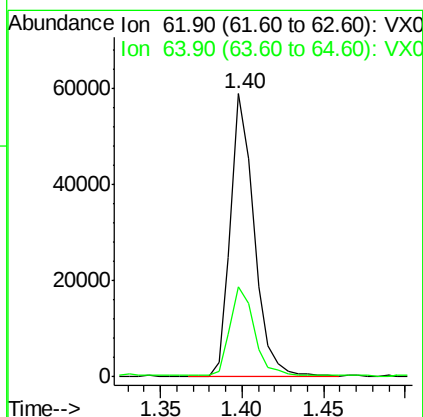
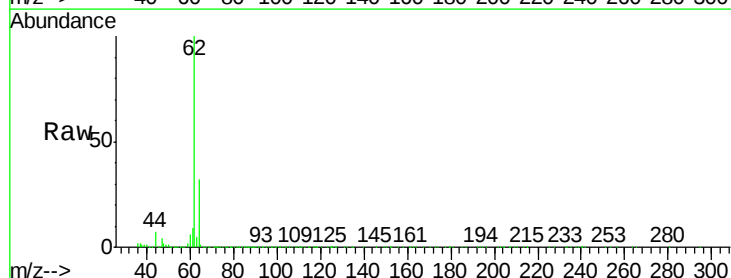
Acq: 16 Aug 2019 12:29

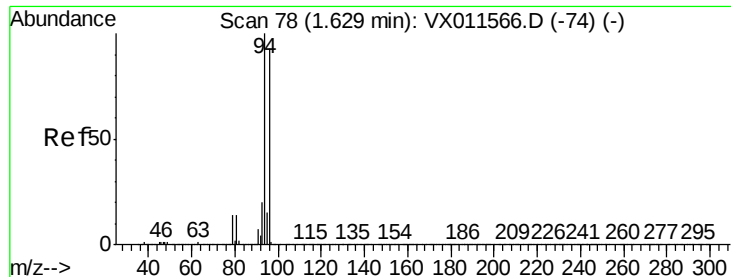
Tgt Ion: 62 Resp: 59389

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4





#5

Bromomethane

Concen: 22.338 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS01

Tot Ion: 94 Resp: 34291

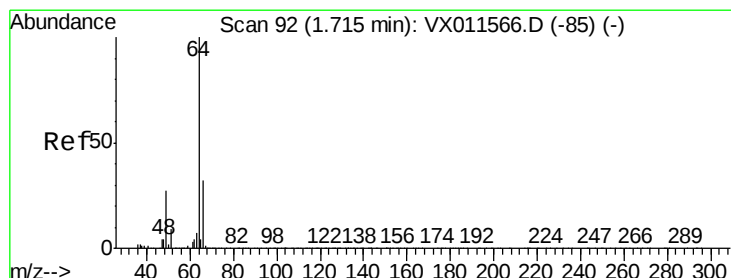
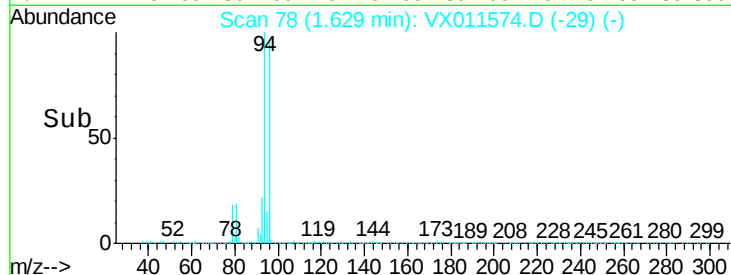
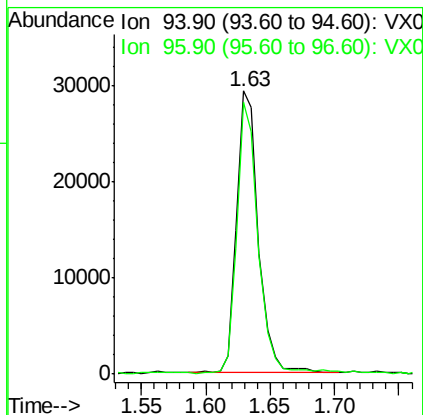
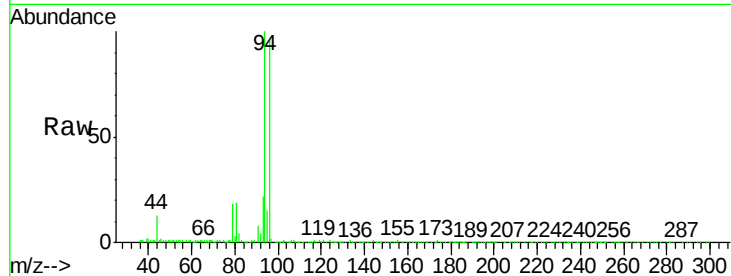
Ion Ratio Lower Upper

94 100

96 96.1 74.8 112.2

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#6

Chloroethane

Concen: 17.805 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011574.D

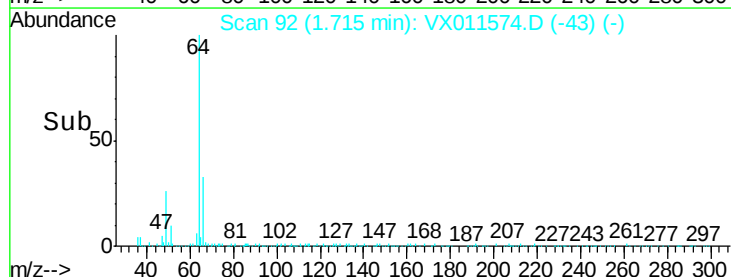
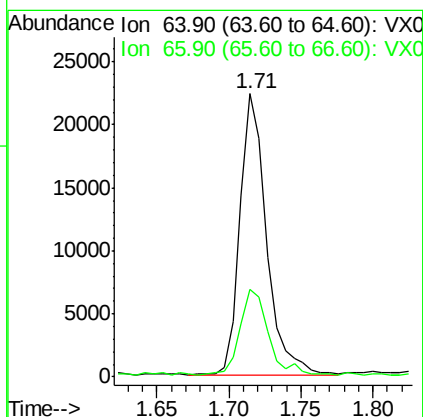
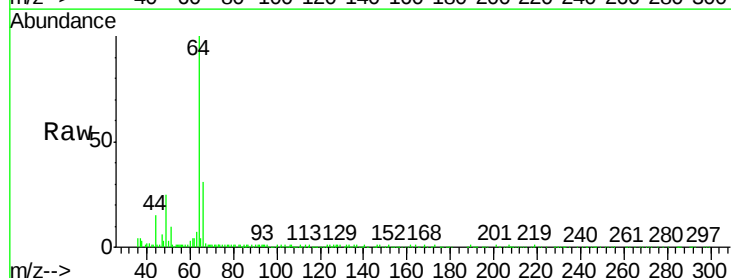
Acq: 16 Aug 2019 12:29

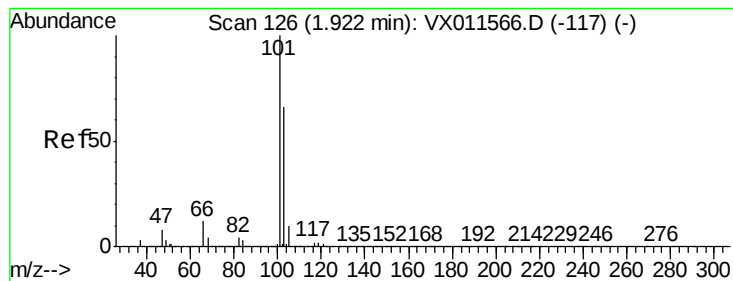
Tgt Ion: 64 Resp: 28871

Ion Ratio Lower Upper

64 100

66 30.2 25.3 37.9





#7

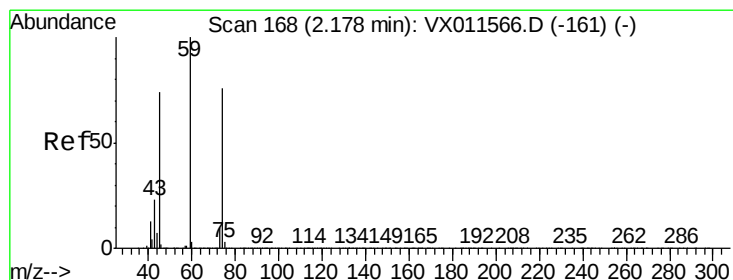
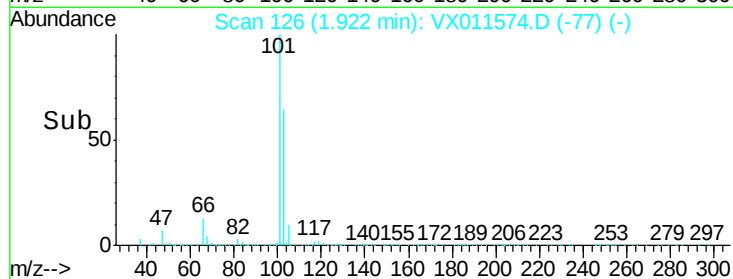
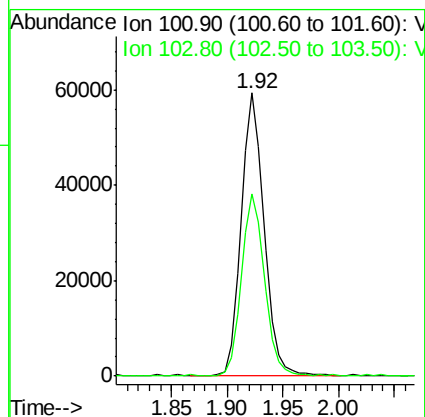
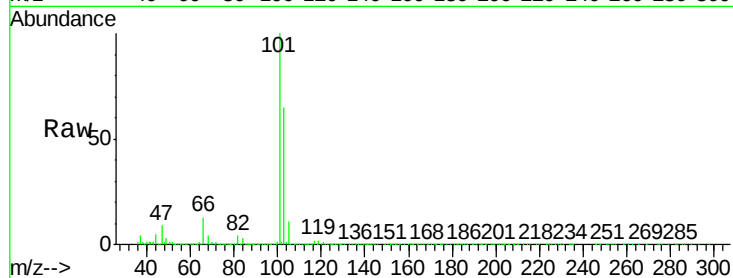
Trichlorofluoromethane
Concen: 17.798 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
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ClientSampleId :
VX0816WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.9	79.3

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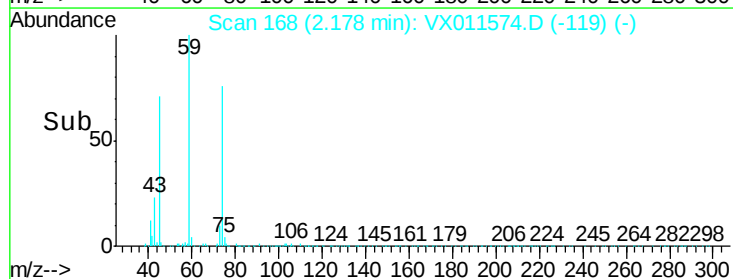
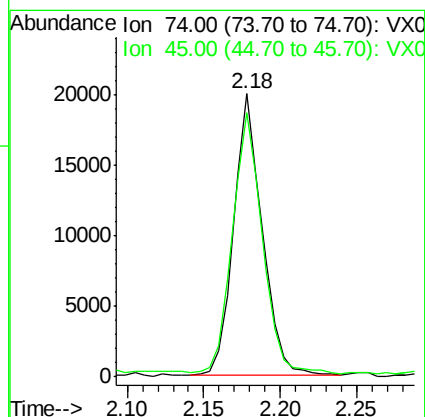
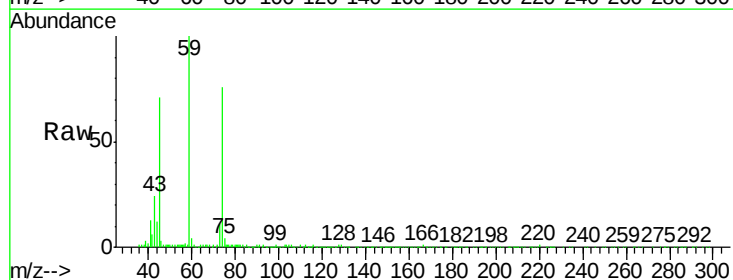
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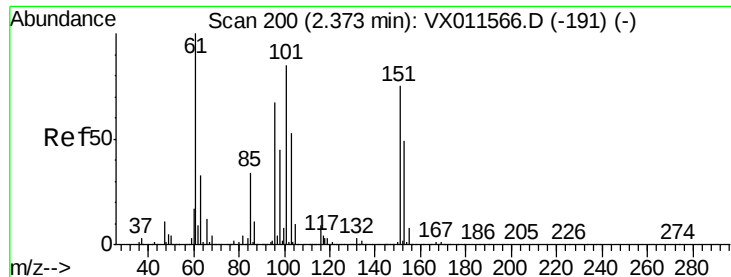


#8

Diethyl Ether
Concen: 15.948 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.323 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

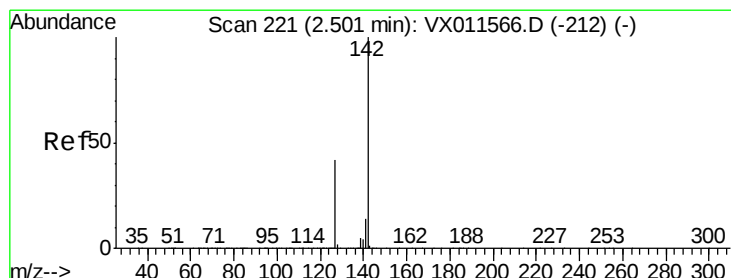
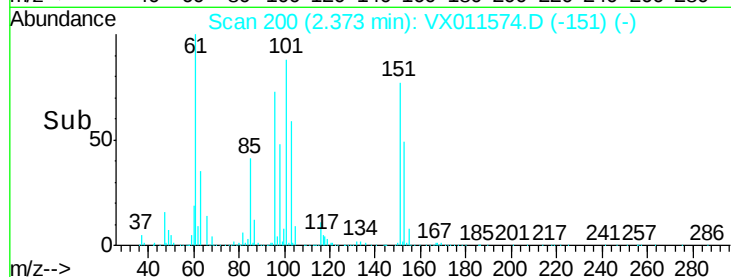
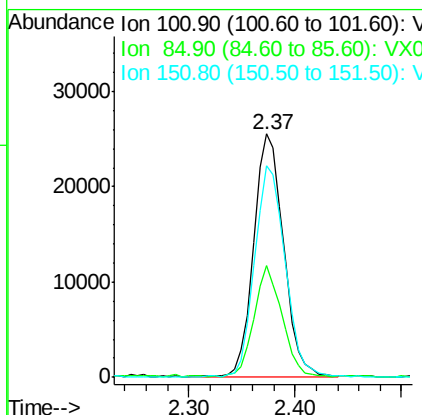
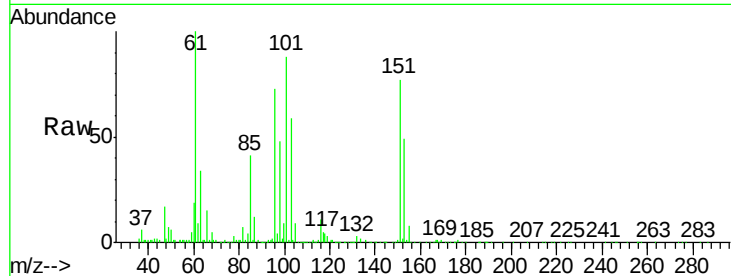
ClientSampleId :

VX0816WBS01

Tot Ion:	101	Resp:	50223
Ion Ratio	Lower	Upper	
101	100		
85	43.8	33.0	49.4
151	90.2	73.3	109.9

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8/19/2019 10:29:49 AM



#10

Methyl Iodide

Concen: 16.091 ug/l

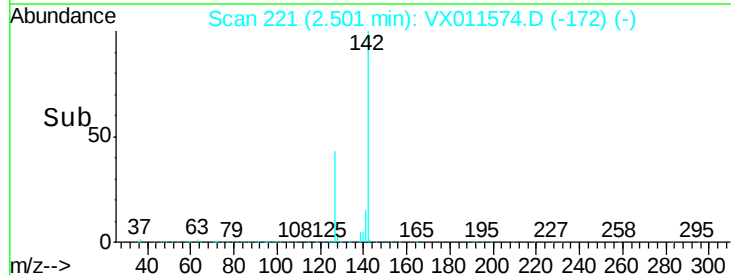
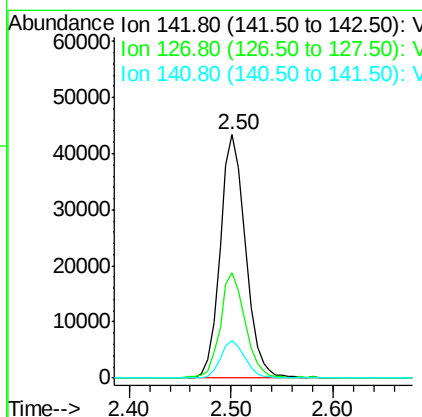
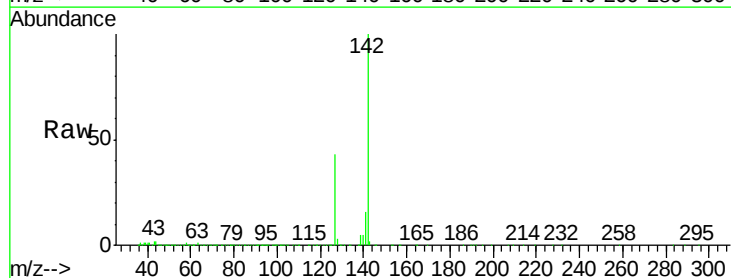
RT: 2.50 min Scan# 221

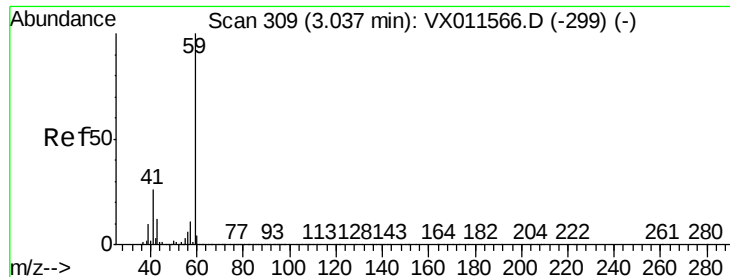
Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tgt Ion:	142	Resp:	75133
Ion Ratio	Lower	Upper	
142	100		
127	42.8	32.8	49.2
141	15.2	11.4	17.2





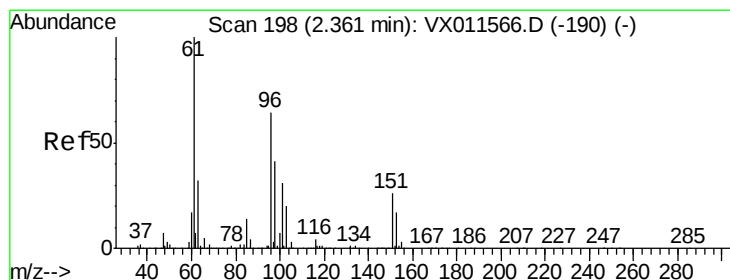
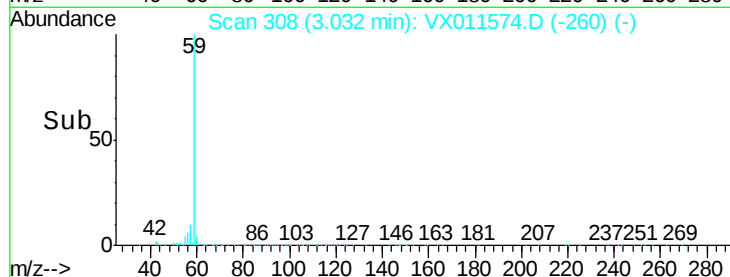
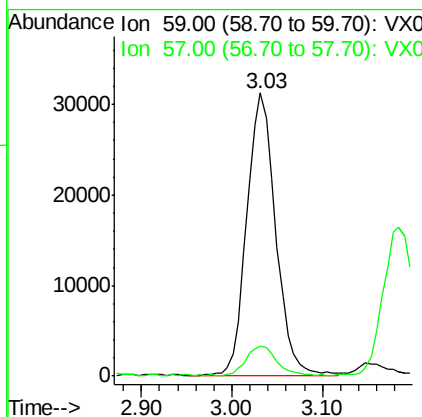
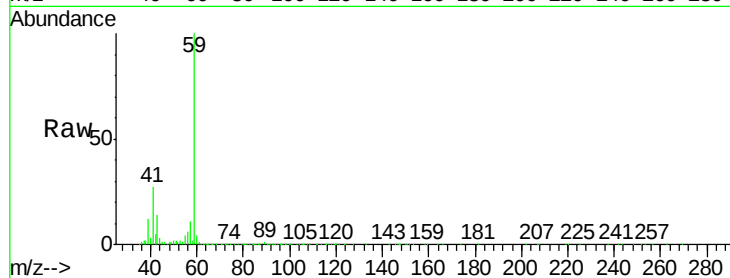
#11
Tert butyl alcohol
Concen: 81.626 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

Tot Ion: 59 Resp: 68989
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

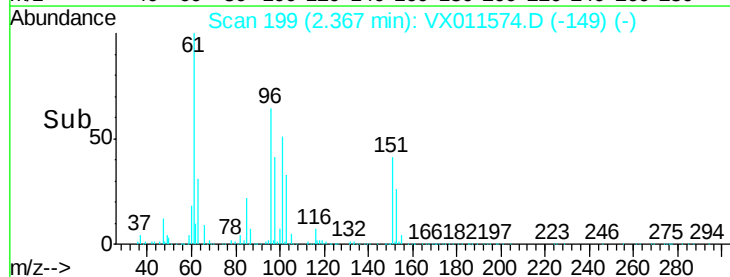
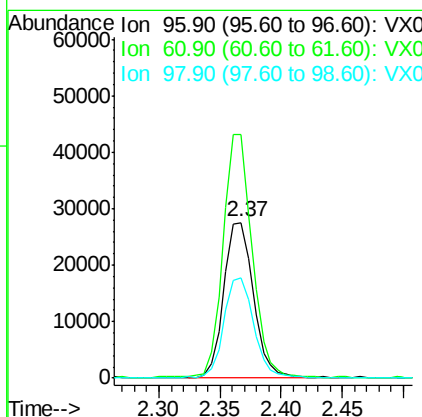
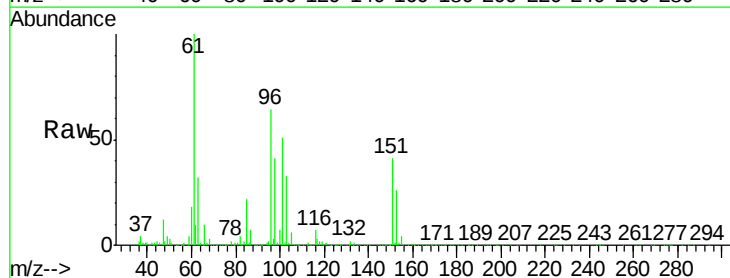
Manual Integrations
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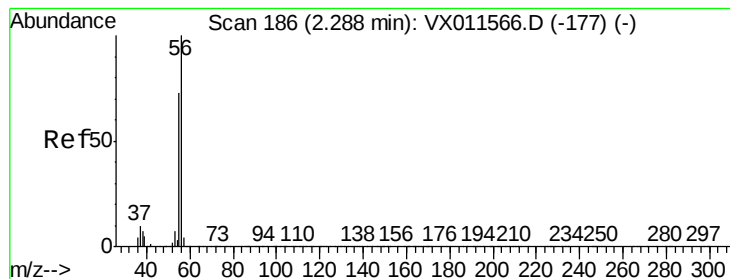
MMDadoda
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#12
1,1-Dichloroethene
Concen: 14.510 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion: 96 Resp: 45961
Ion Ratio Lower Upper
96 100
61 156.1 125.0 187.4
98 63.9 51.5 77.3





#13

Acrolein

Concen: 88.334 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS01

Tot Ion: 56 Resp: 20818

Ion Ratio Lower Upper

56 100

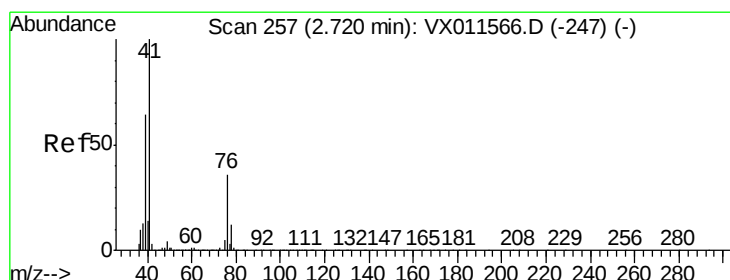
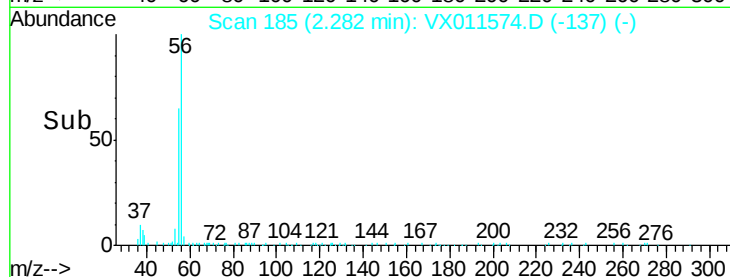
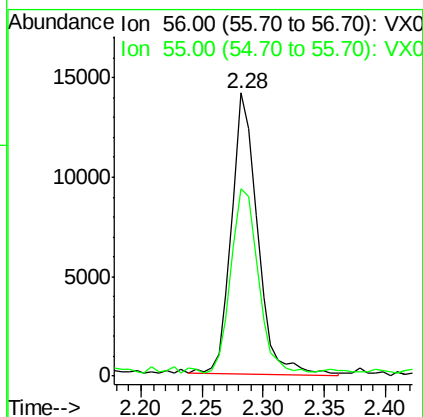
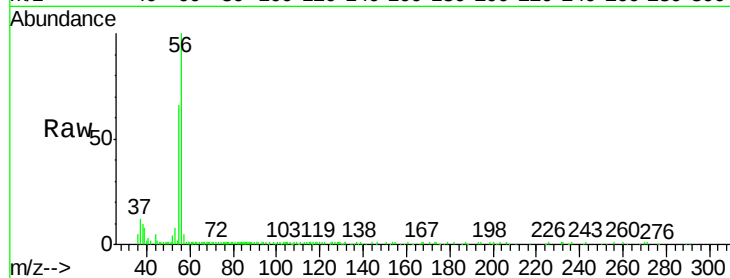
55 68.1 55.5 83.3

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#14

Allyl chloride

Concen: 16.918 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

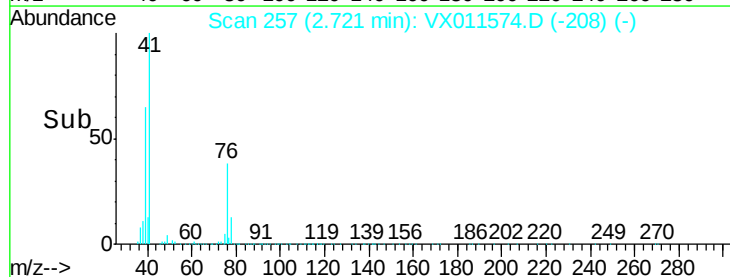
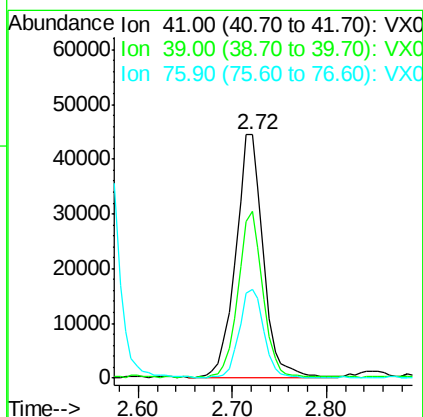
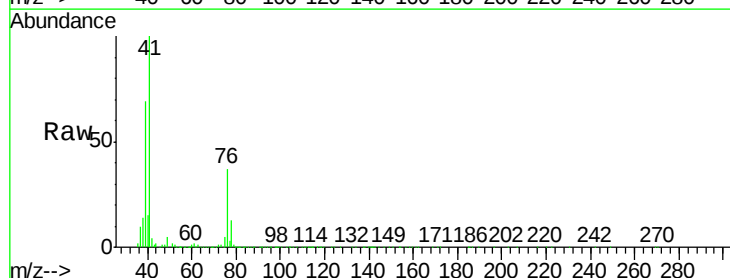
Tgt Ion: 41 Resp: 89144

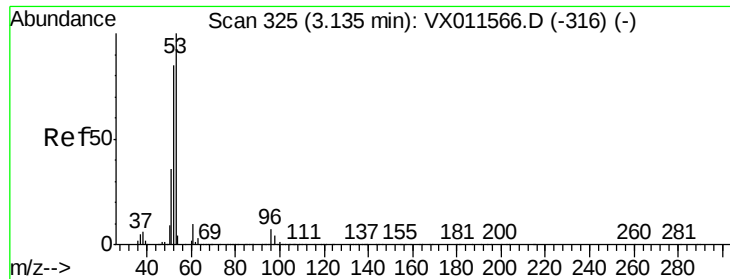
Ion Ratio Lower Upper

41 100

39 63.2 47.5 71.3

76 32.6 26.3 39.5





#15

Acrylonitrile

Concen: 85.351 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

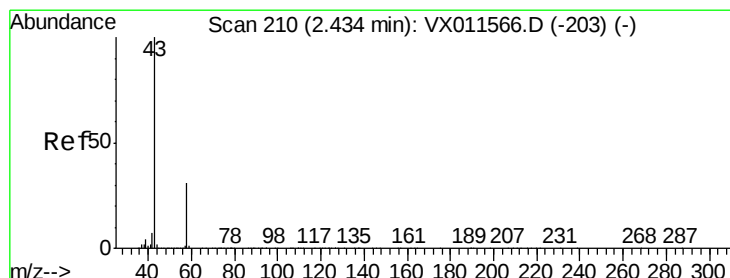
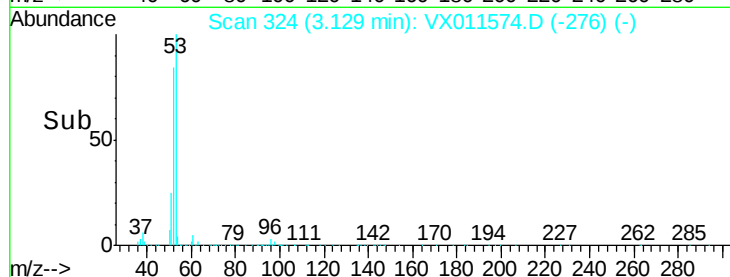
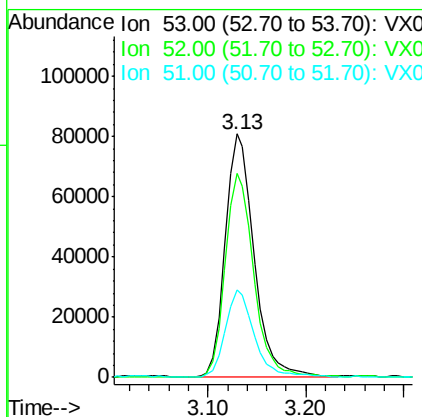
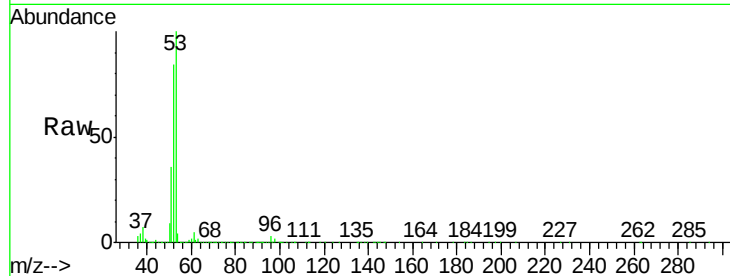
ClientSampleId :

VX0816WBS01

Tot Ion:	53	Resp:	165099
Ion Ratio		Lower	Upper
53	100		
52	83.8	66.7	100.1
51	36.6	28.7	43.1

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#16

Acetone

Concen: 82.806 ug/l

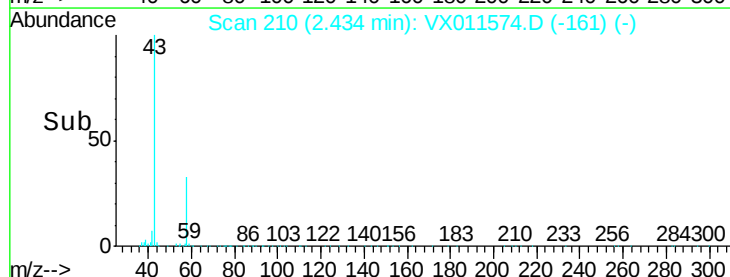
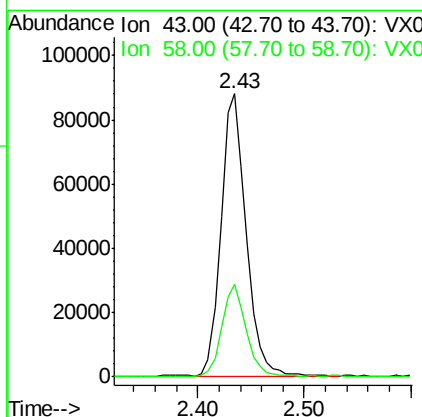
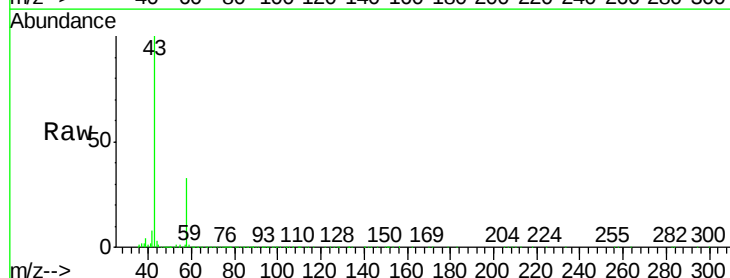
RT: 2.43 min Scan# 210

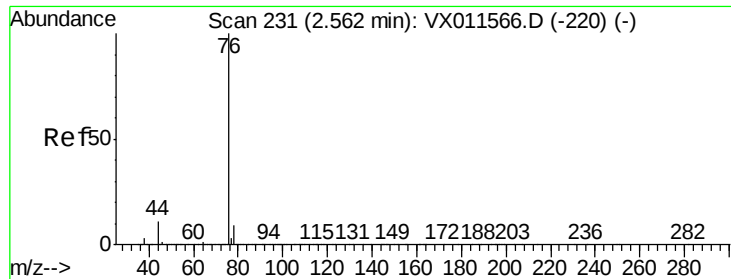
Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tgt Ion:	43	Resp:	143441
Ion Ratio		Lower	Upper
43	100		
58	32.8	25.2	37.8





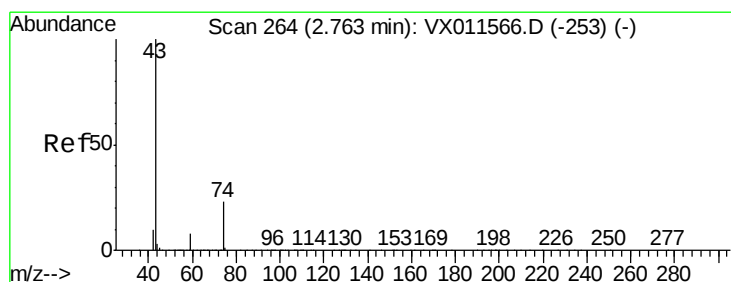
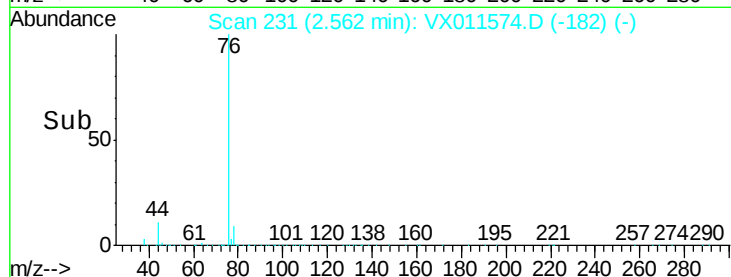
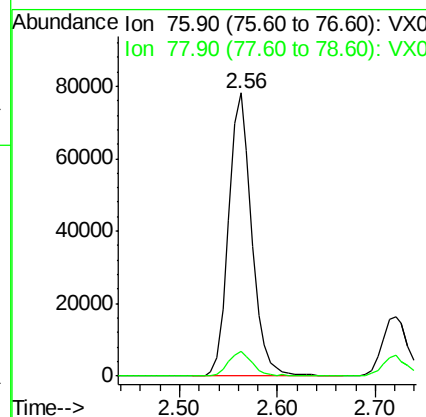
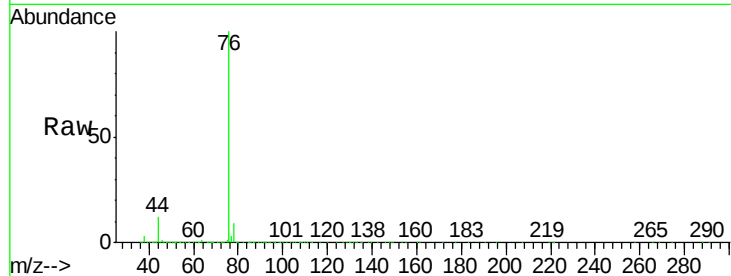
#17
Carbon Disulfide
Concen: 17.079 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

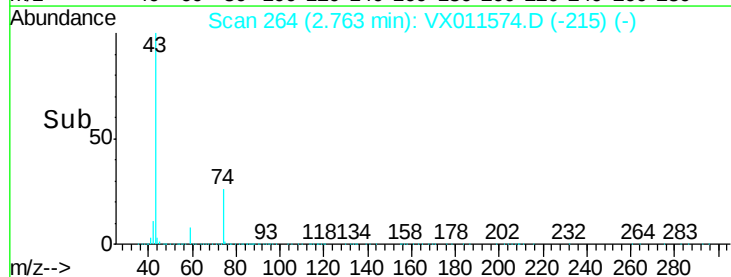
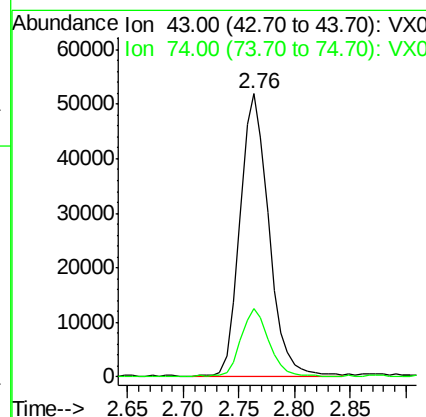
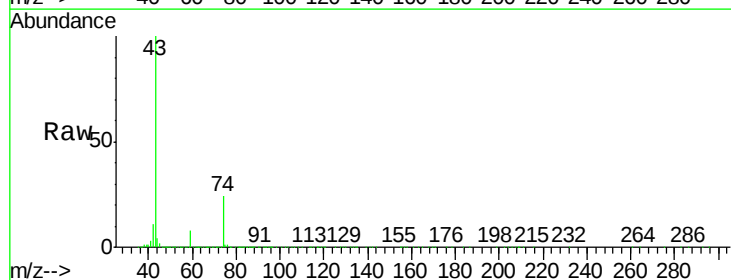
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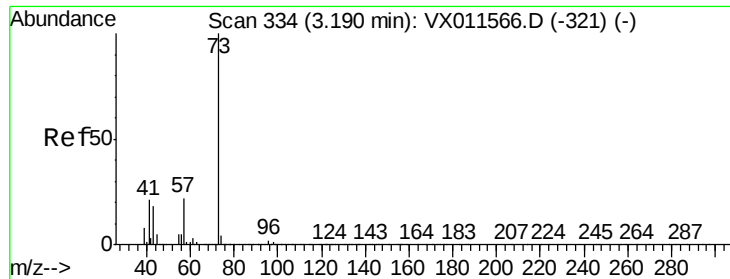
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#18
Methyl Acetate
Concen: 17.185 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.7	29.5





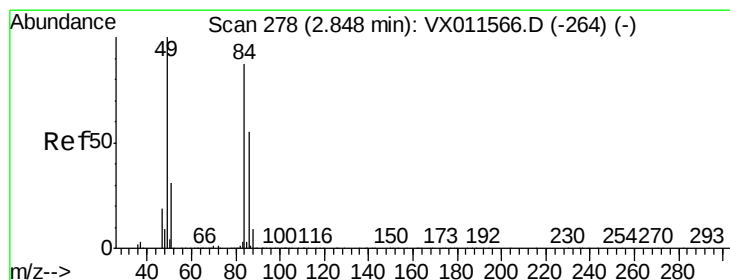
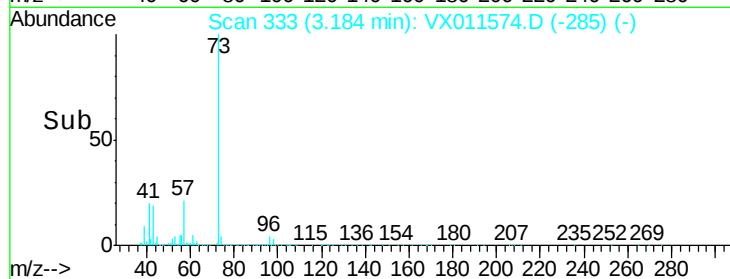
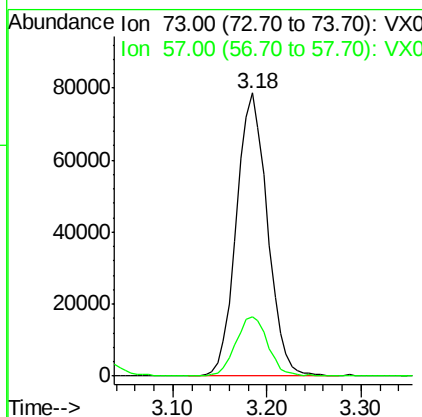
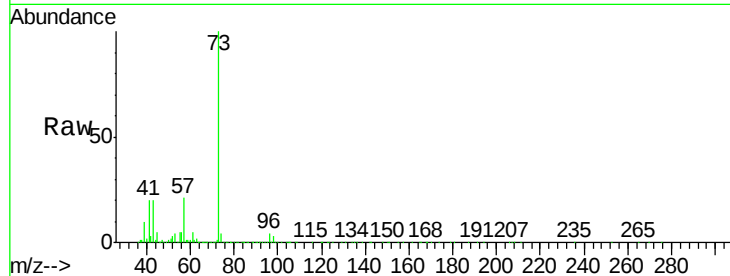
#19
Methvl tert-butvl Ether
Concen: 17.366 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.2	25.8

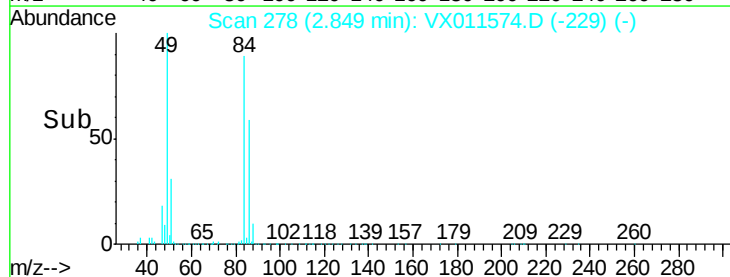
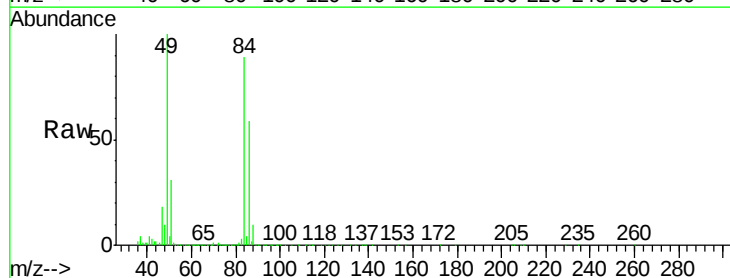
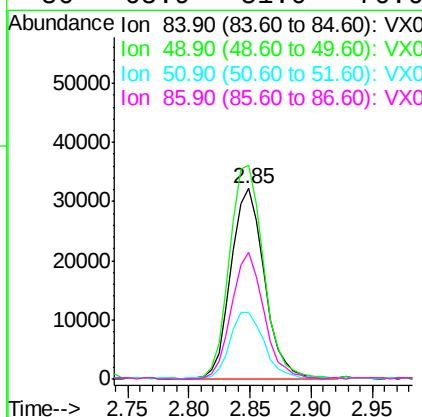
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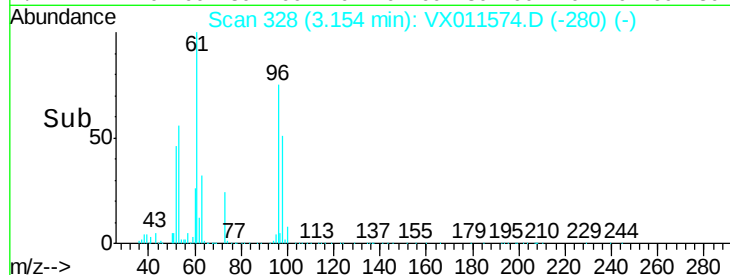
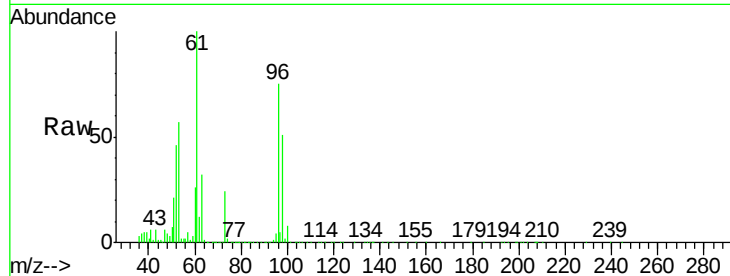
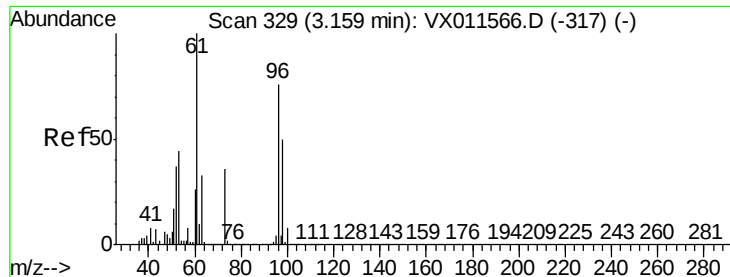
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#20
Methylene Chloride
Concen: 16.886 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.7	92.4	138.6
51	34.8	28.5	42.7
86	65.9	51.0	76.6





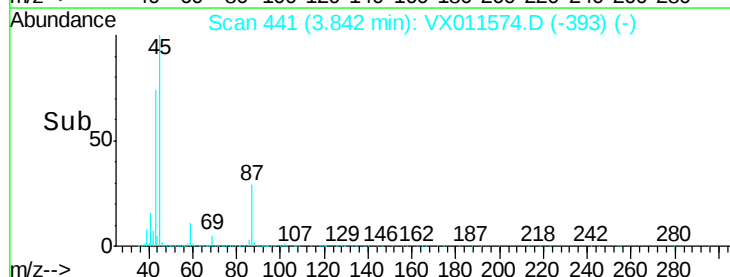
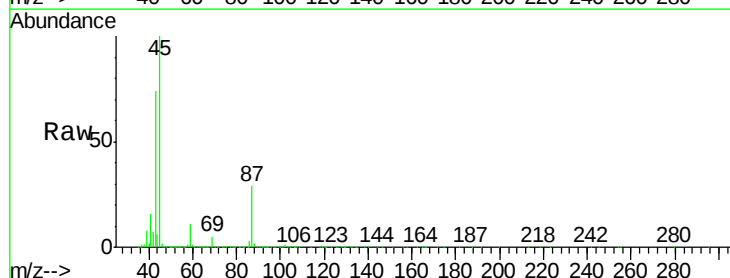
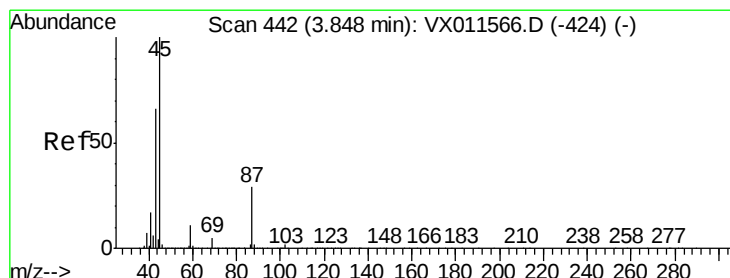
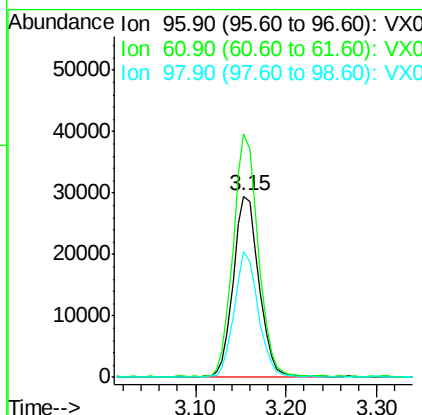
#21
trans-1,2-Dichloroethene
Concen: 17.244 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.01 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	105.5	158.3
98	69.2	52.6	78.8

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

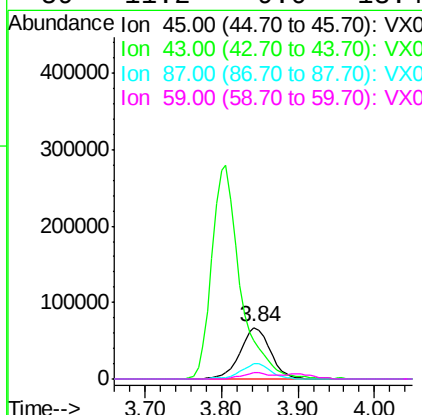
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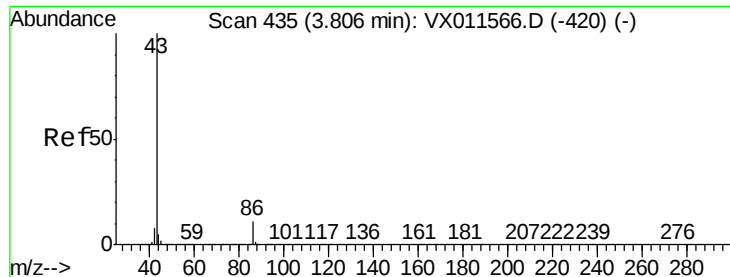
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#22
Diisopropyl ether
Concen: 17.563 ug/l
RT: 3.84 min Scan# 441
Delta R.T. -0.01 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.8	52.7	79.1
87	29.1	23.5	35.3
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 86.961 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS01

Tot Ion: 43 Resp: 722604

Ion Ratio Lower Upper

43 100

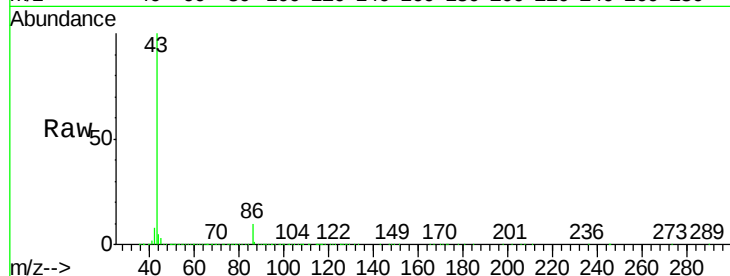
86 10.3 8.6 13.0

Manual Integrations

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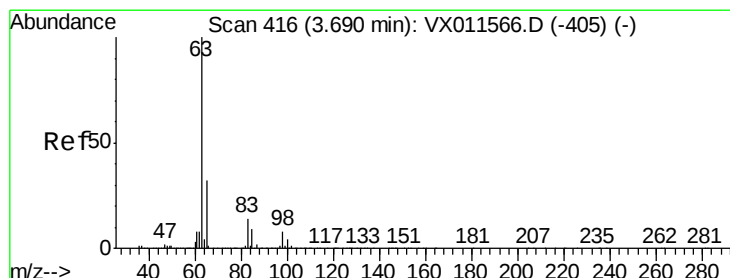
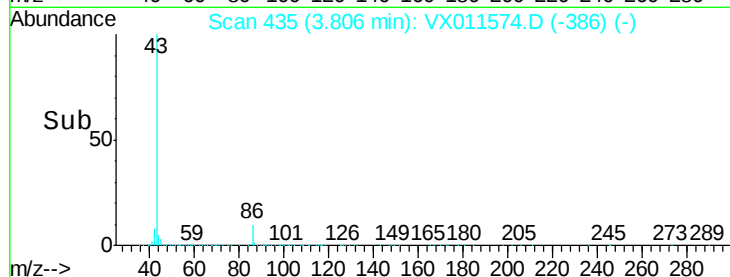
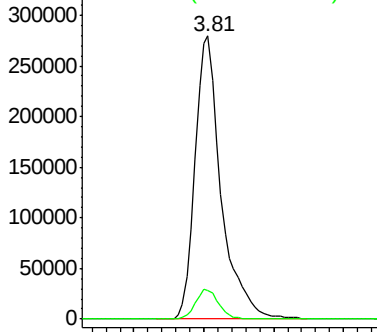
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 16.879 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

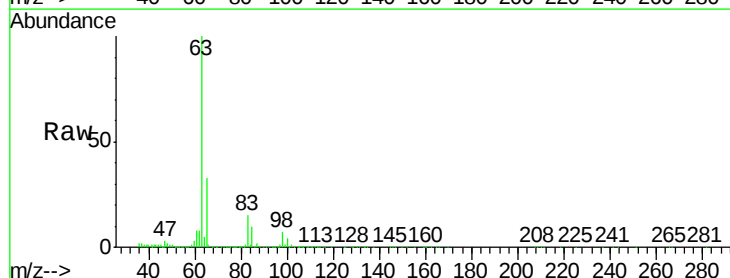
Tgt Ion: 63 Resp: 100140

Ion Ratio Lower Upper

63 100

98 7.0 3.7 11.1

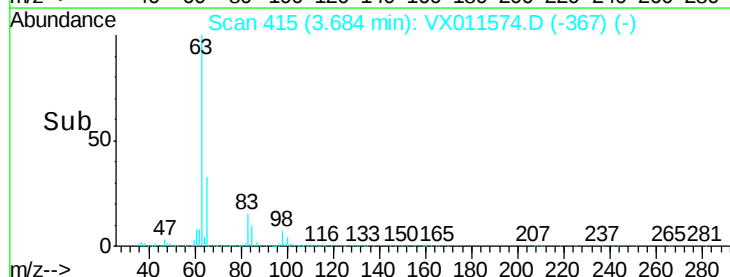
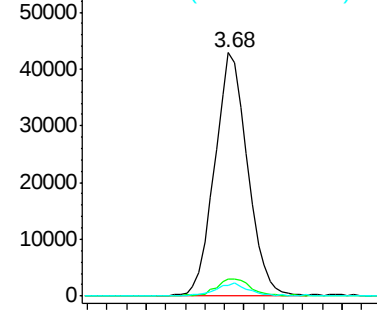
100 3.9 2.1 6.3

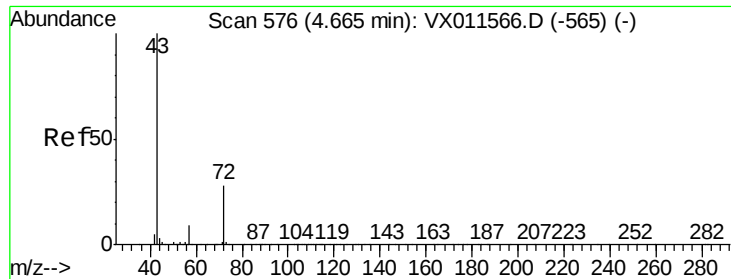


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 84.147 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tot Ion: 43 Resp: 228836

Ion Ratio Lower Upper

43 100

72 27.9 22.2 33.4

Instrument :

MSVOA_X

ClientSampleId :

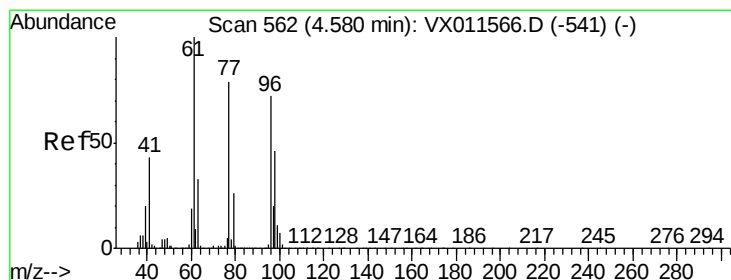
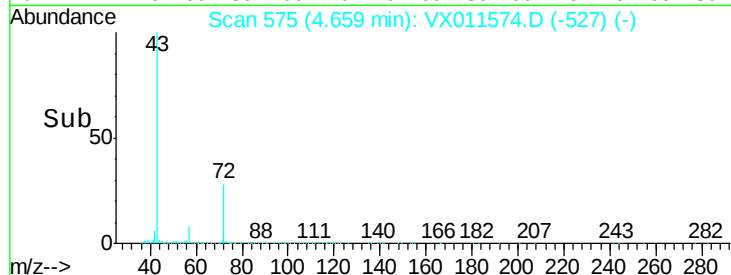
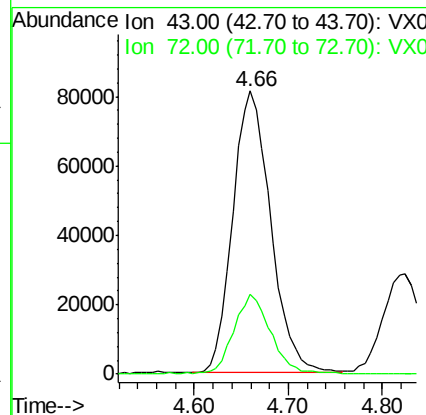
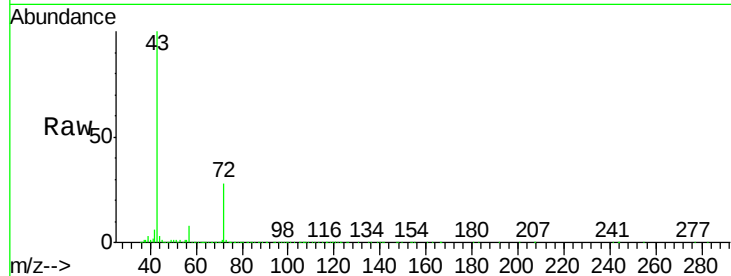
VX0816WBS01

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#26

2,2-Dichloropropane

Concen: 17.680 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011574.D

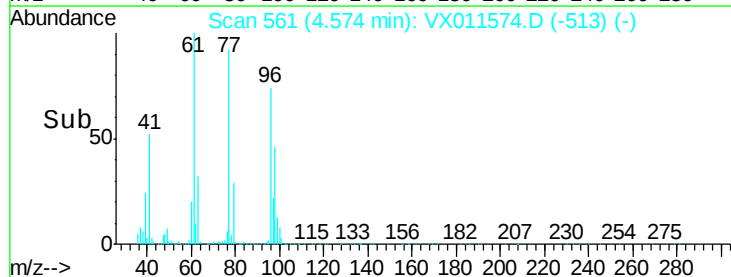
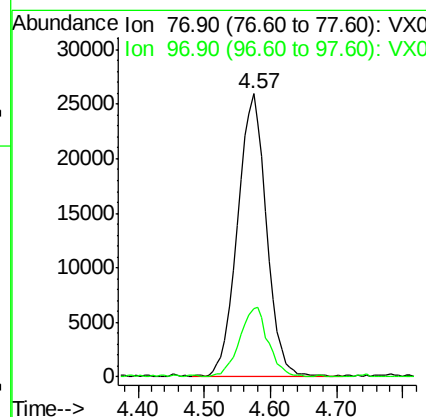
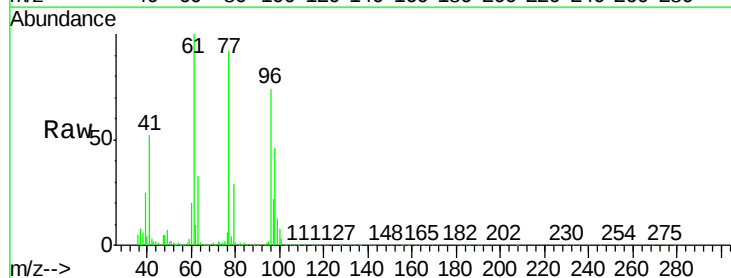
Acq: 16 Aug 2019 12:29

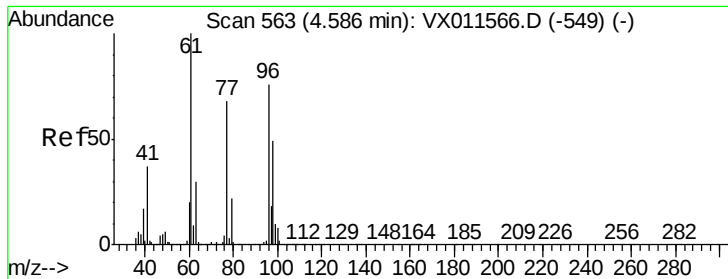
Tgt Ion: 77 Resp: 78947

Ion Ratio Lower Upper

77 100

97 24.0 12.4 37.2





#27

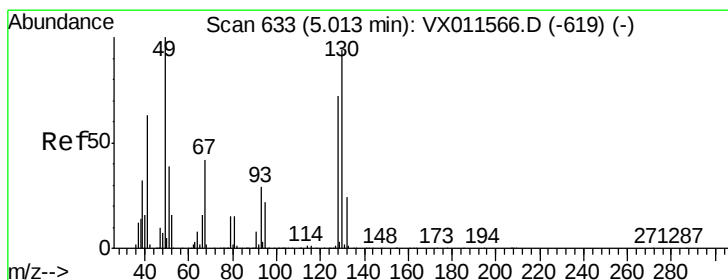
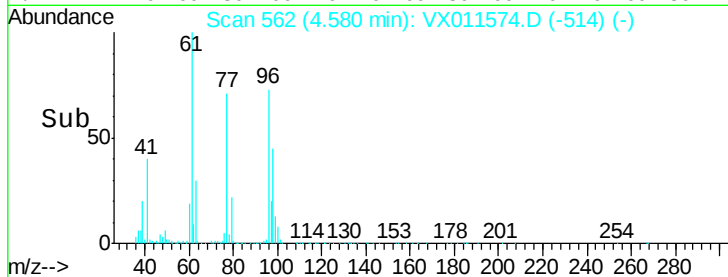
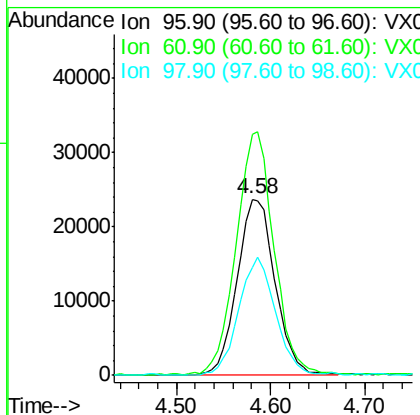
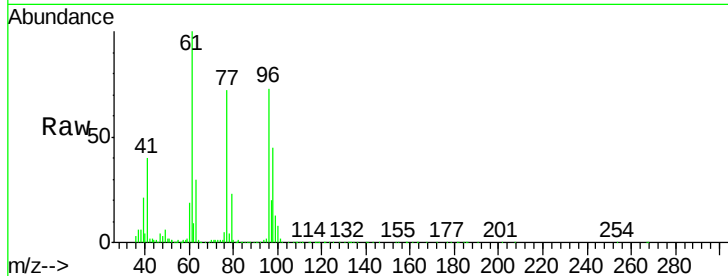
cis-1,2-Dichloroethene
Concen: 16.968 ug/l
RT: 4.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.8	0.0	272.6
98	64.8	0.0	129.4

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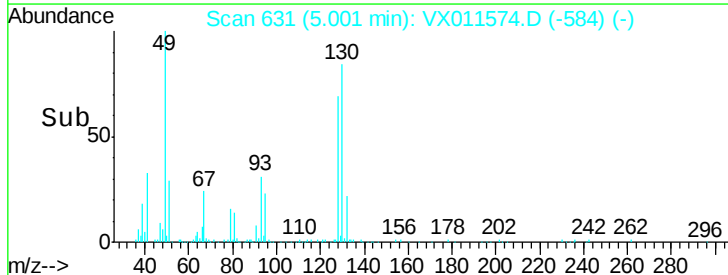
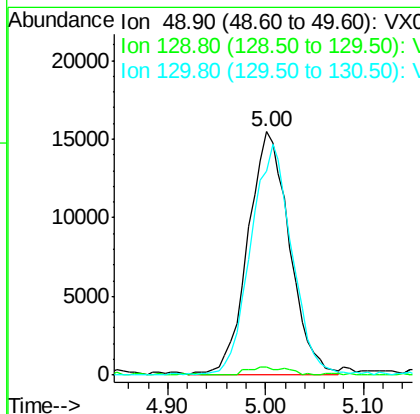
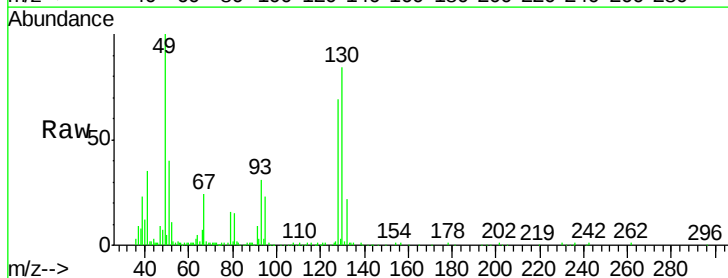
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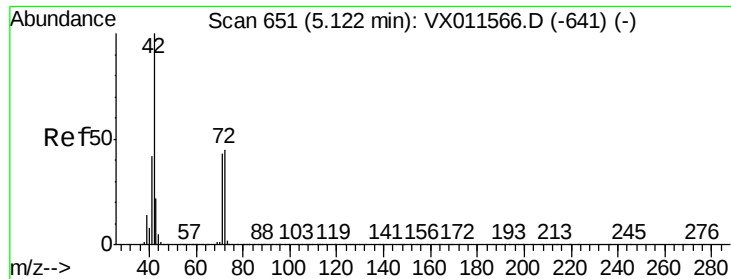


#28

Bromochloromethane
Concen: 17.622 ug/l
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.0
130	94.2	76.6	115.0





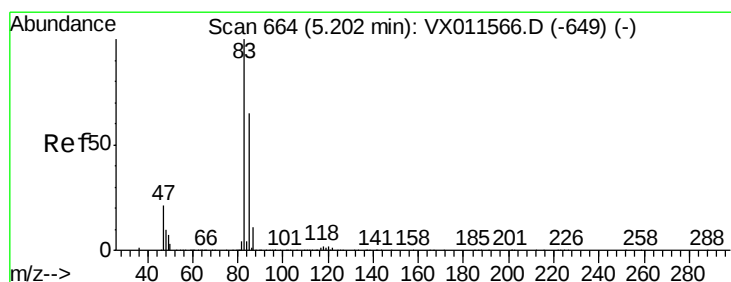
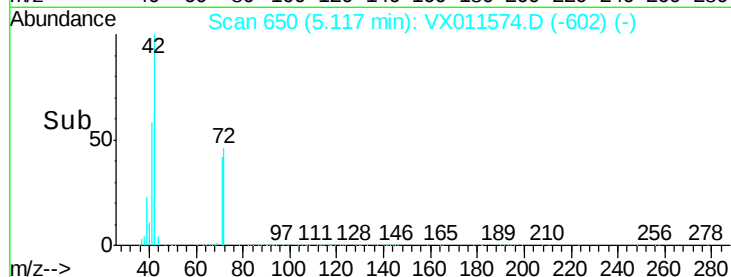
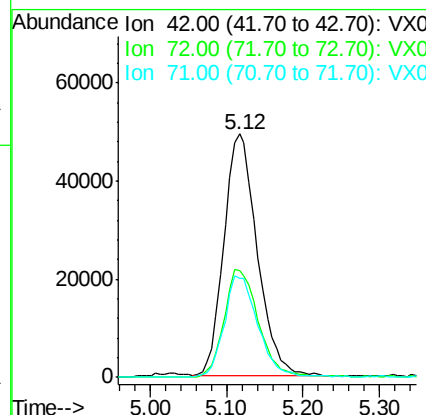
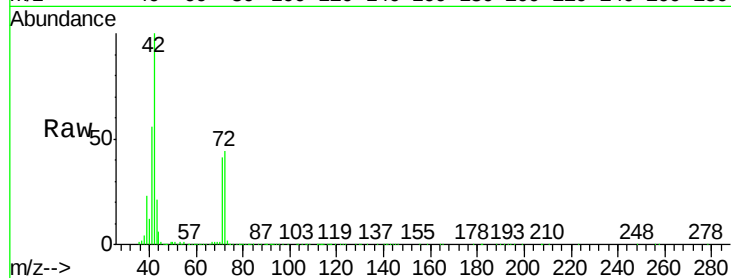
#29
Tetrahydrofuran
Concen: 83.314 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	36.1	54.1
71	42.8	33.8	50.8

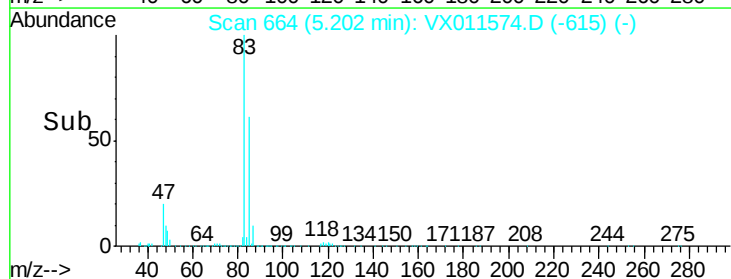
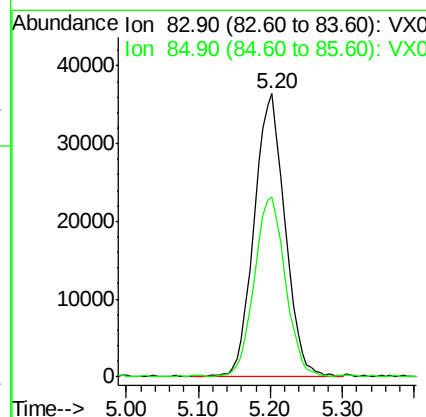
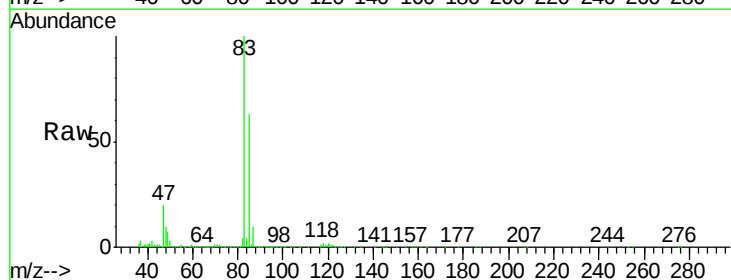
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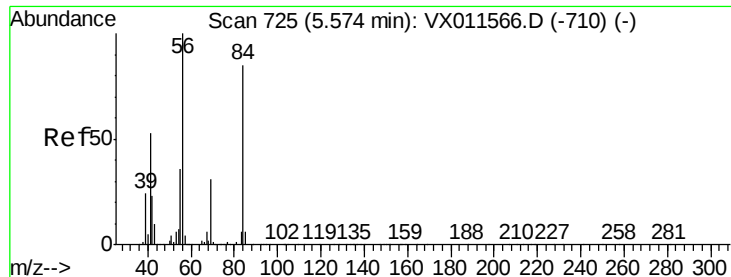
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#30
Chloroform
Concen: 17.364 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.9	77.9





#31

Cyclohexane

Concen: 17.705 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

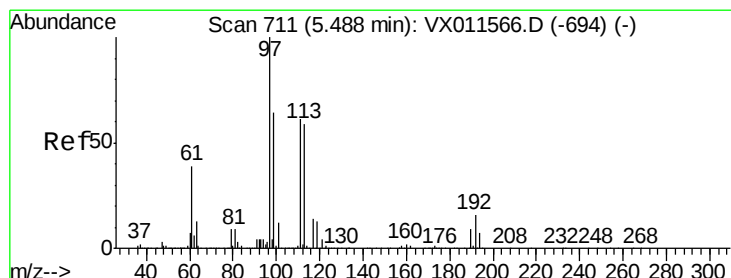
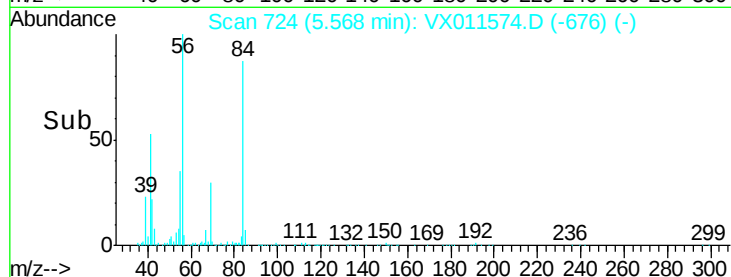
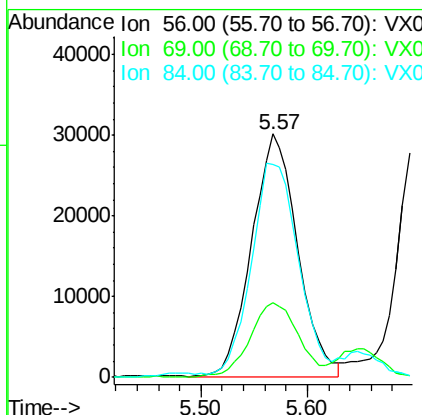
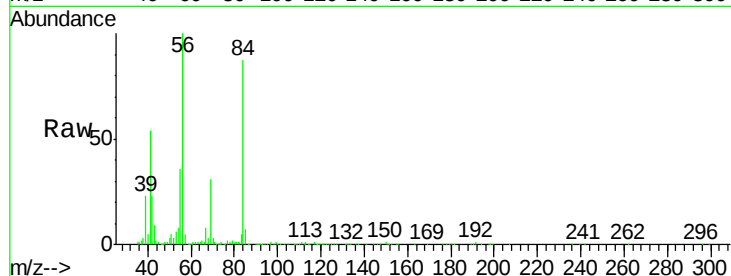
ClientSampleId :

VX0816WBS01

Tot Ion:	56	Resp:	90439
Ion Ratio	Lower	Upper	
56	100		
69	30.7	24.8	37.2
84	85.7	67.9	101.9

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#32

1,1,1-Trichloroethane

Concen: 17.225 ug/l

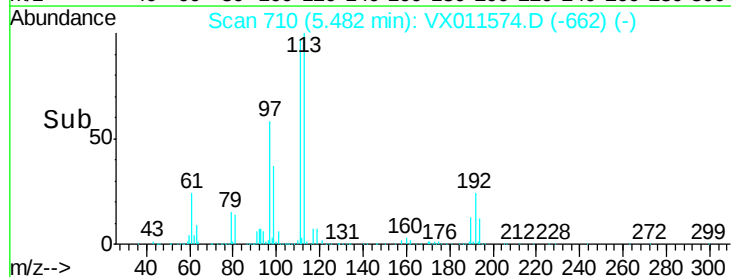
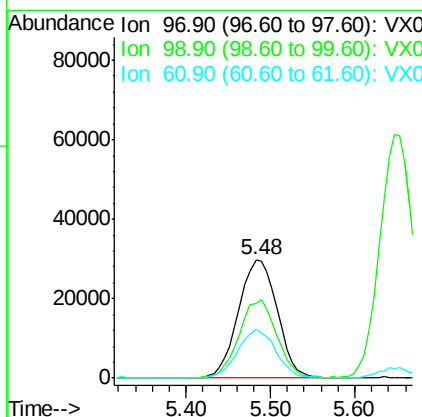
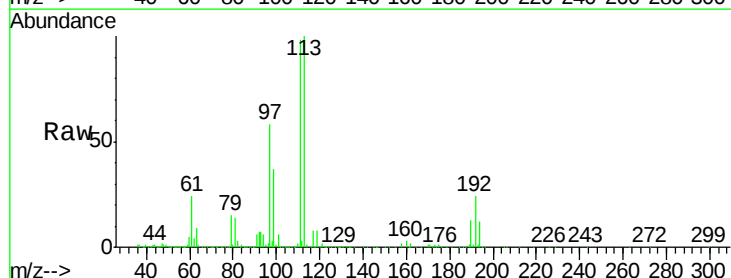
RT: 5.48 min Scan# 710

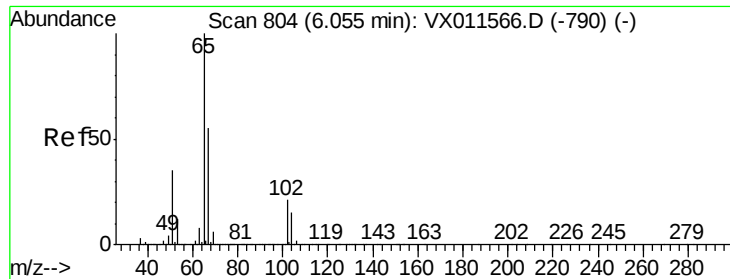
Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tgt Ion:	97	Resp:	92738
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.4	77.0
61	40.3	31.4	47.2





#33

1,2-Dichloroethane-d4

Concen: 46.133 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tot Ion: 65 Resp: 158931

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.6

Instrument :

MSVOA_X

ClientSampleId :

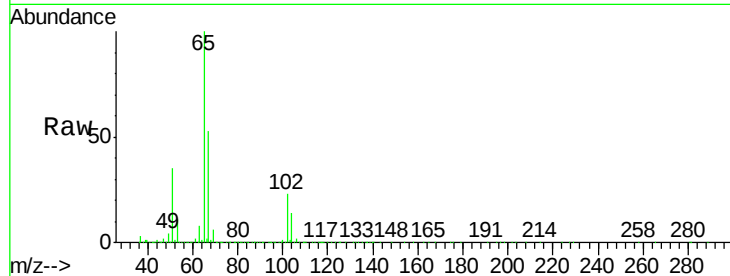
VX0816WBS01

Manual Integrations

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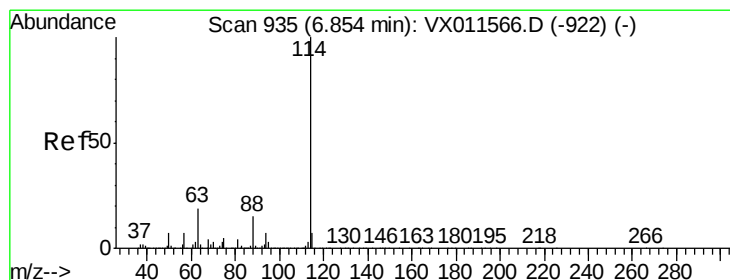
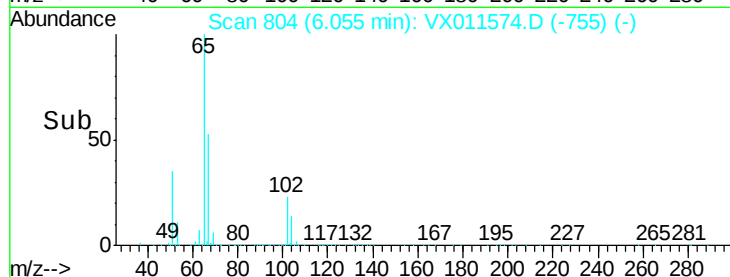
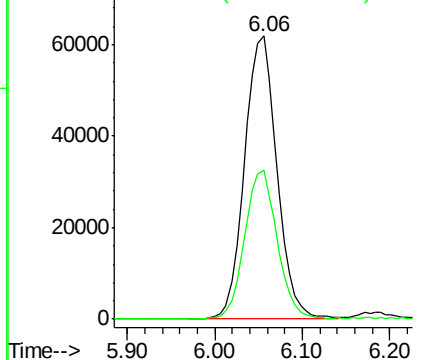
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

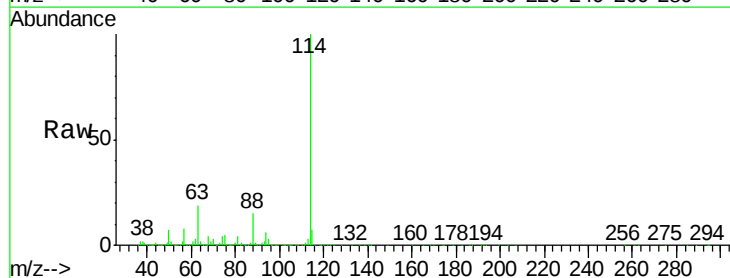
Tgt Ion: 114 Resp: 509487

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.8

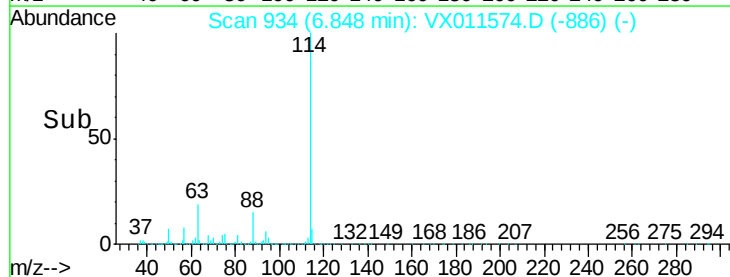
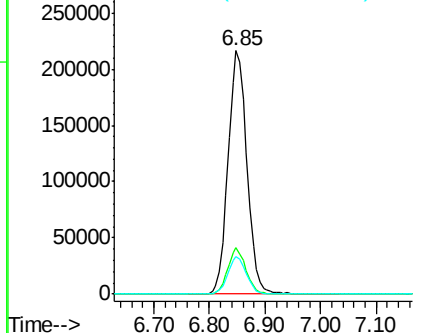
88 15.3 0.0 30.2

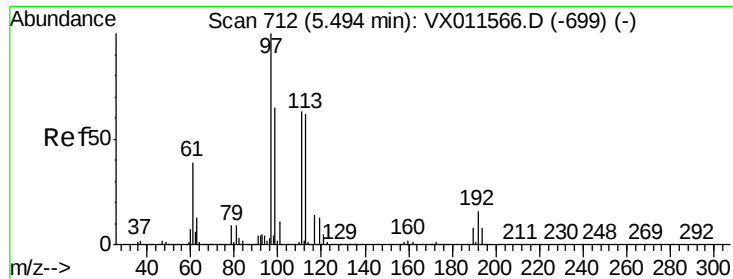


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.761 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

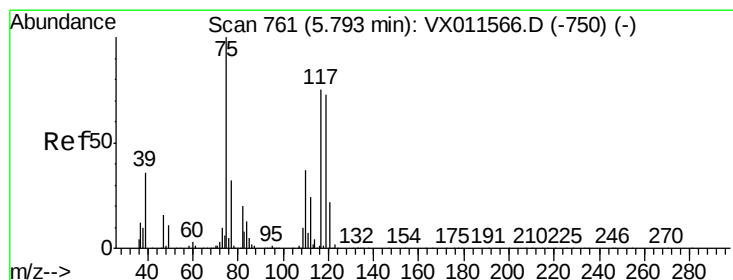
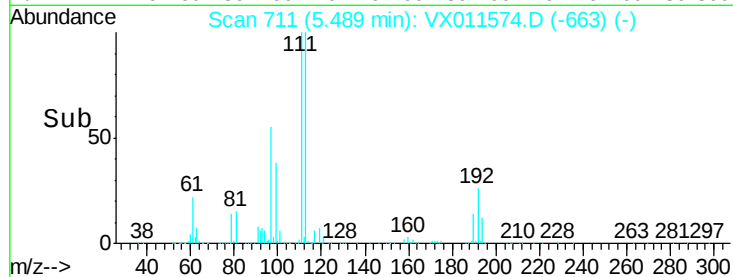
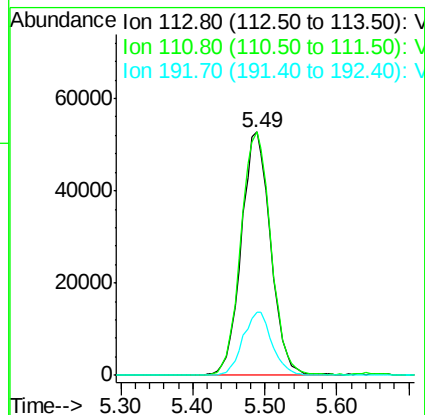
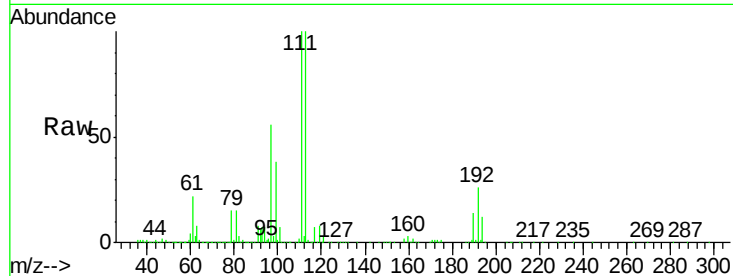
ClientSampleId :

VX0816WBS01

Tot Ion:	113	Resp:	149160
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.1	121.7
192	25.8	20.8	31.2

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#36

1,1-Dichloropropene

Concen: 17.854 ug/l

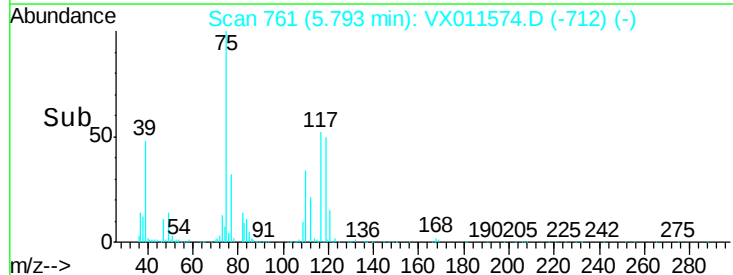
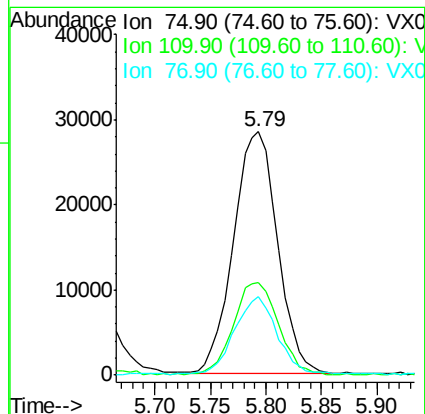
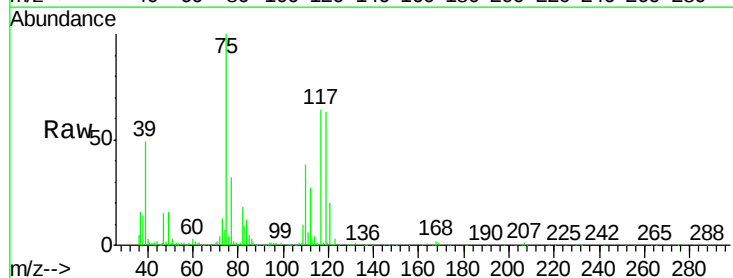
RT: 5.79 min Scan# 761

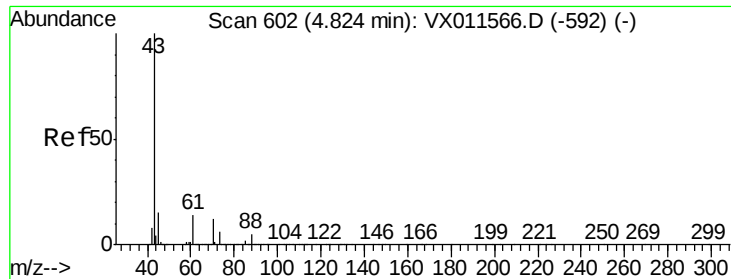
Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tgt Ion:	75	Resp:	77775
Ion Ratio	Lower	Upper	
75	100		
110	39.6	19.4	58.1
77	30.9	25.1	37.7





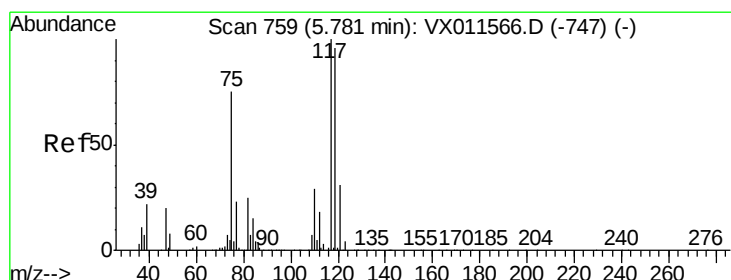
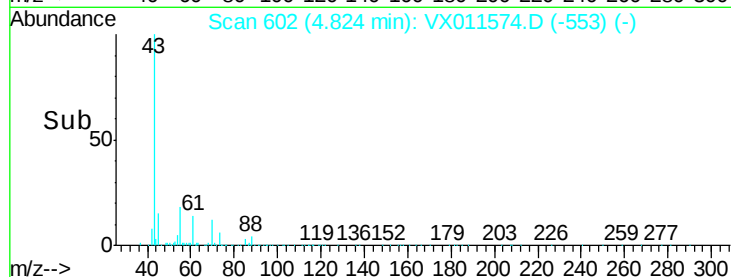
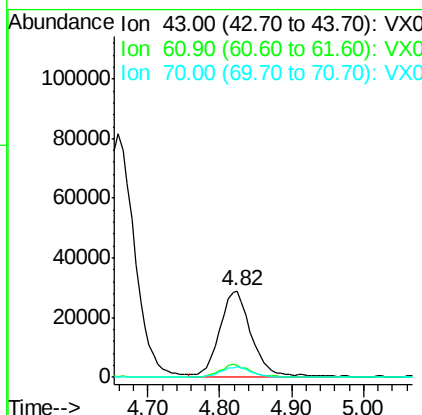
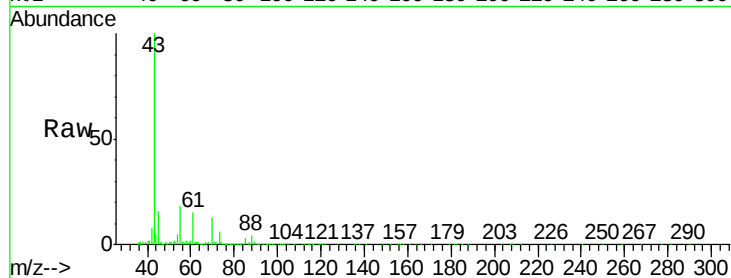
#37
Ethyl Acetate
Concen: 17.298 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleID :
VX0816WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.4	17.0
70	11.6	9.0	13.6

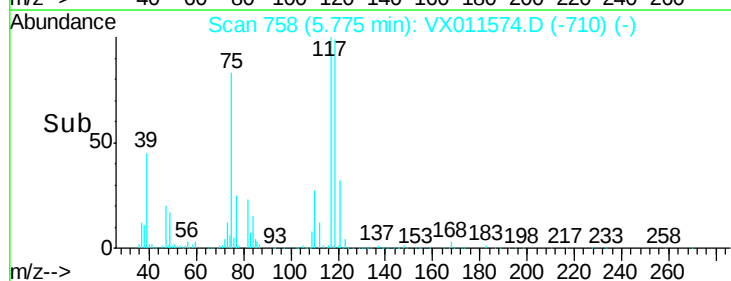
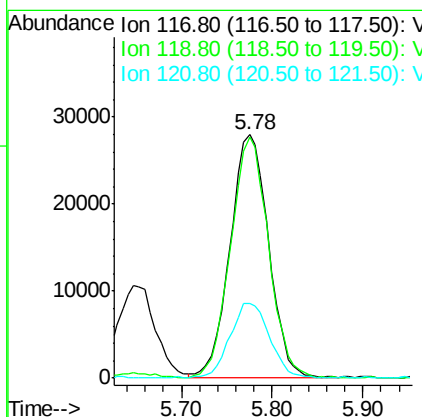
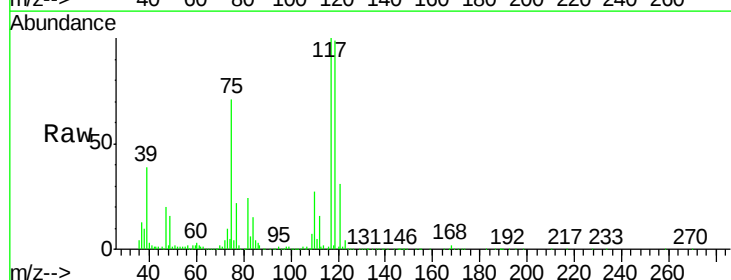
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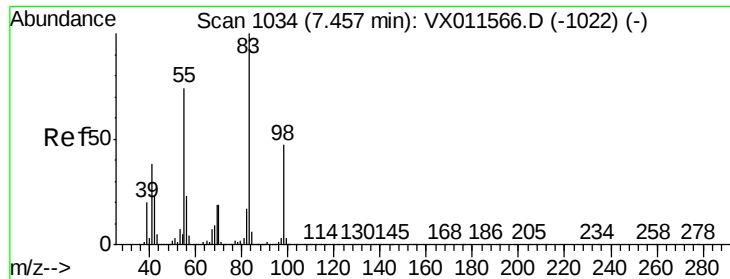
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#38
Carbon Tetrachloride
Concen: 17.046 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.9	115.3
121	30.7	24.8	37.2





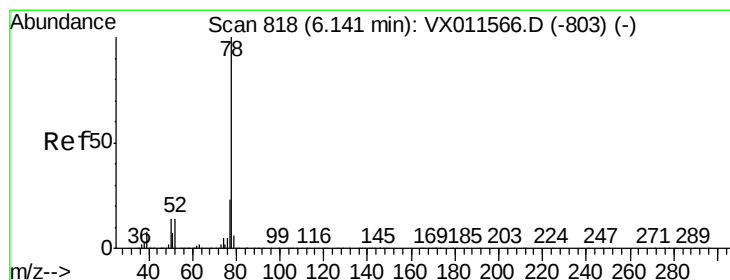
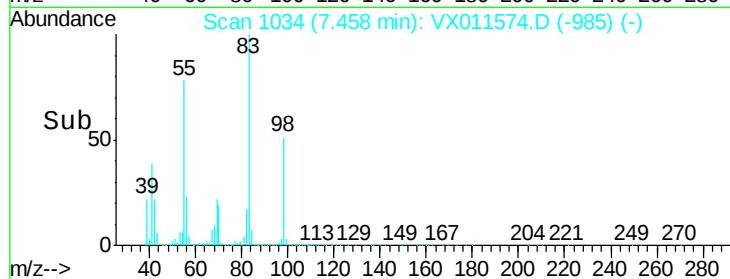
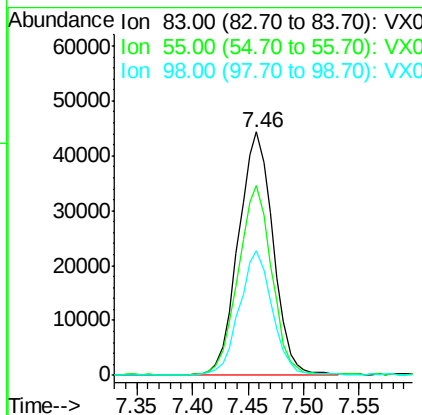
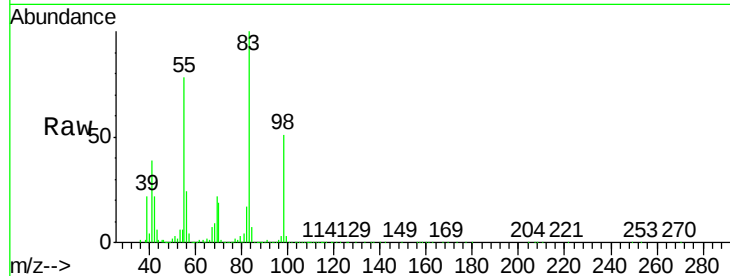
#39
Methvlcvclohexane
Concen: 17.802 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	58.8	88.2
98	51.2	37.8	56.6

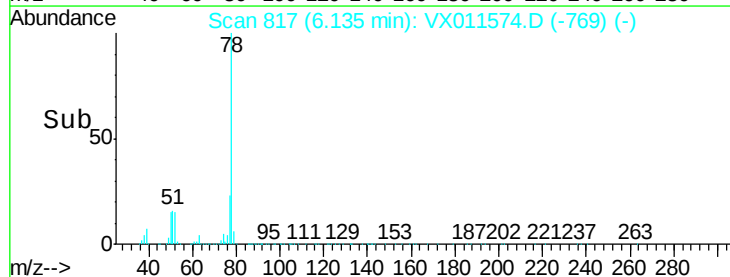
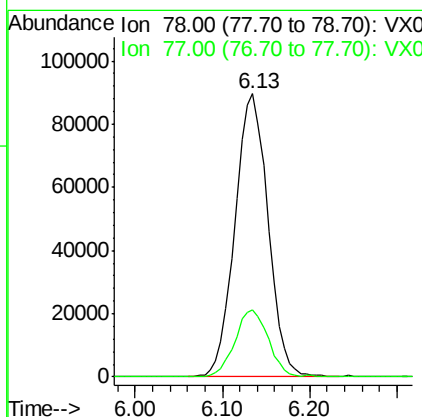
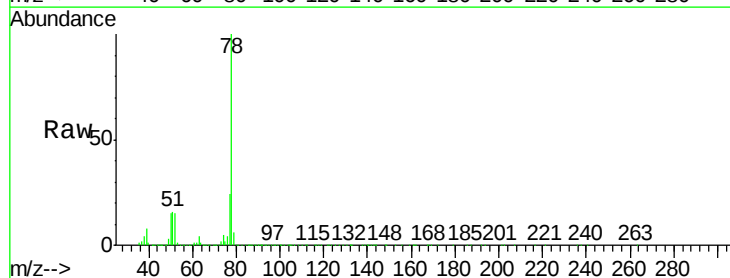
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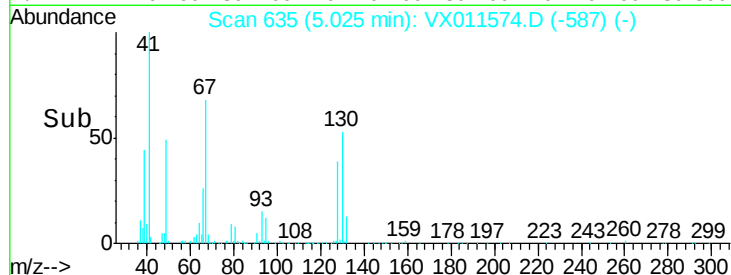
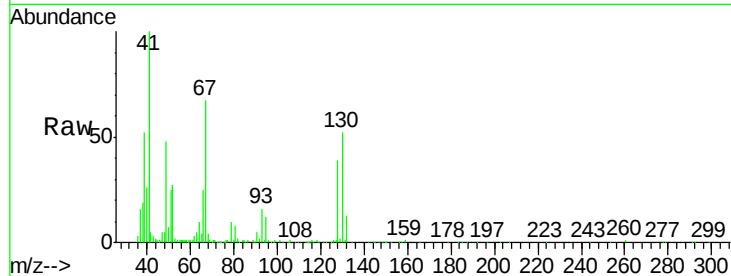
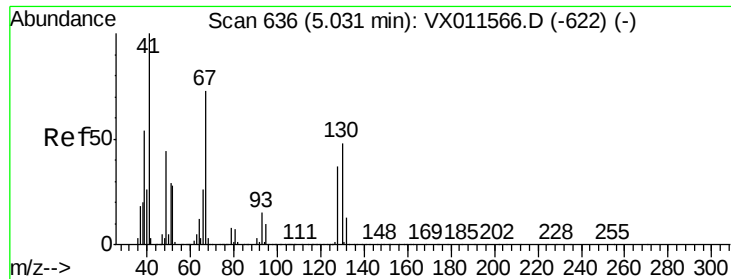
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#40
Benzene
Concen: 17.371 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





#41

Methacrylonitrile

Concen: 17.023 ug/l

RT: 5.03 min Scan# 635

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	58.7	43.5	65.3		
67	76.5	59.4	89.2		
52	32.4	23.4	35.2		

Instrument :

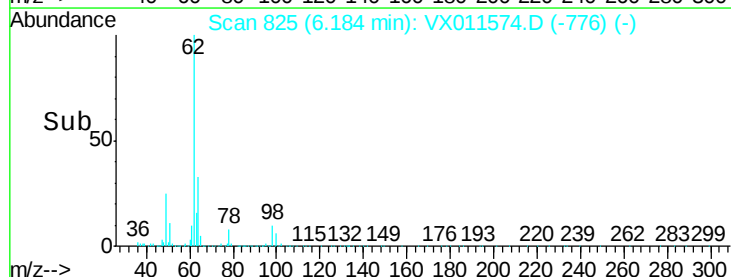
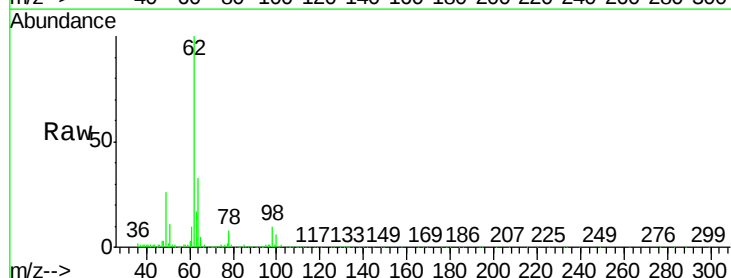
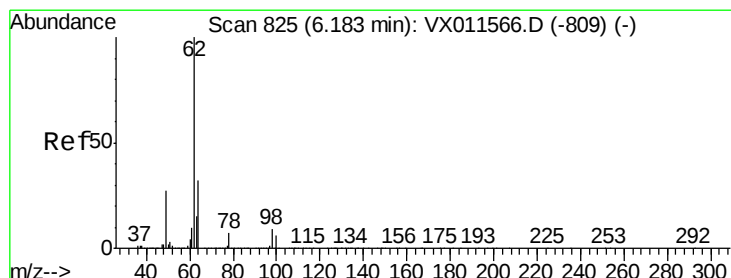
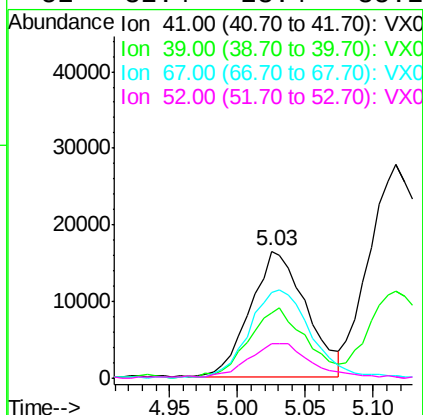
MSVOA_X

ClientSampleId :

VX0816WBS01

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#42

1,2-Dichloroethane

Concen: 17.994 ug/l

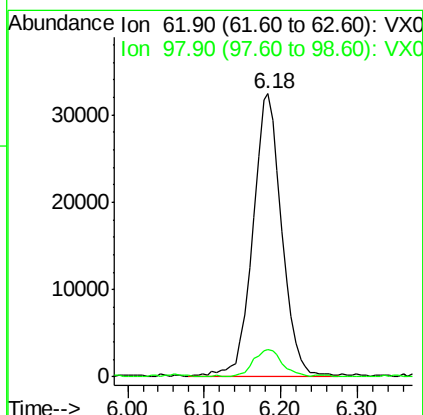
RT: 6.18 min Scan# 825

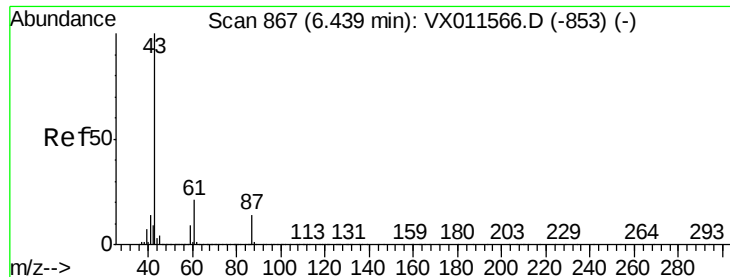
Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.4	0.0	19.4		





#43

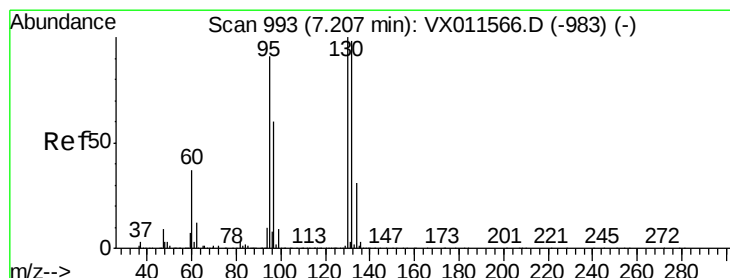
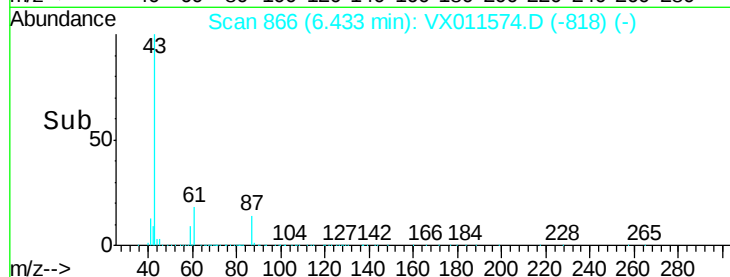
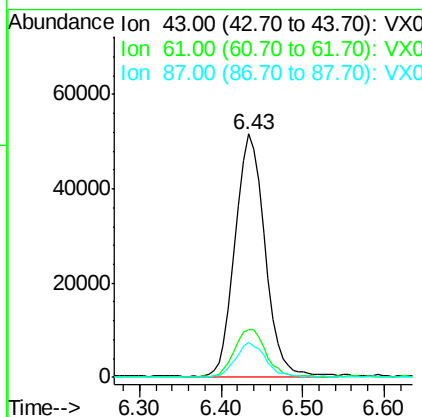
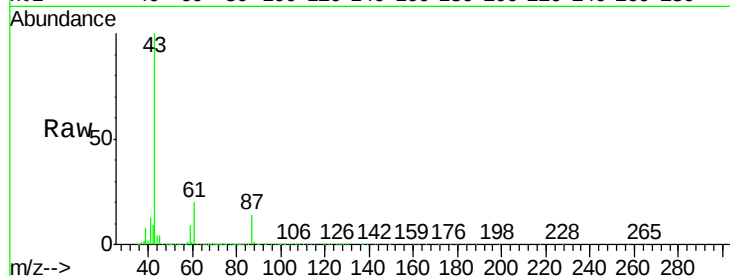
Isopropyl Acetate
 Concen: 16.683 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011574.D
 Acq: 16 Aug 2019 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.6	24.8
87	14.2	11.4	17.2

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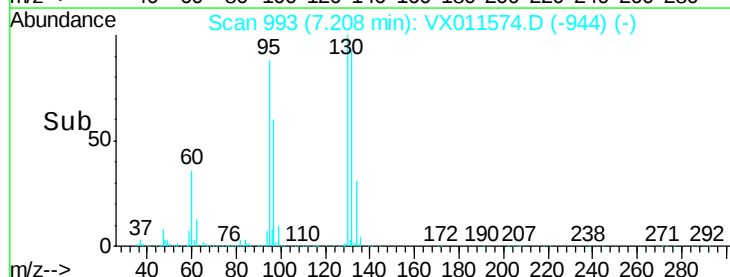
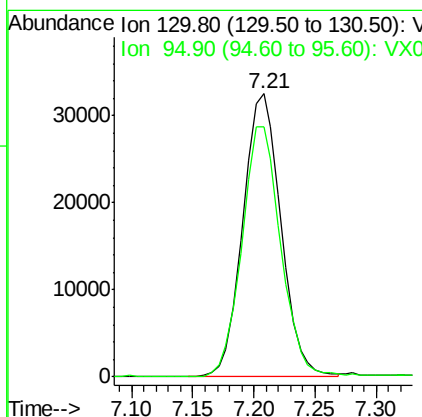
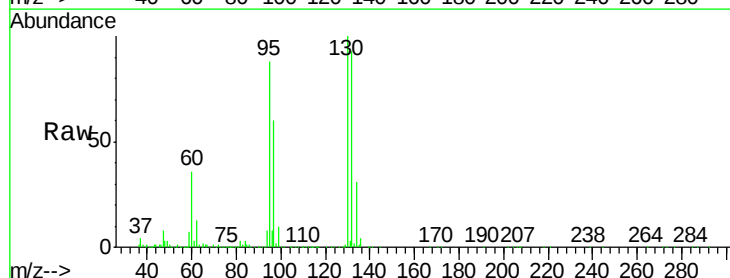
MMDadoda
 8/19/2019 10:29:49 AM

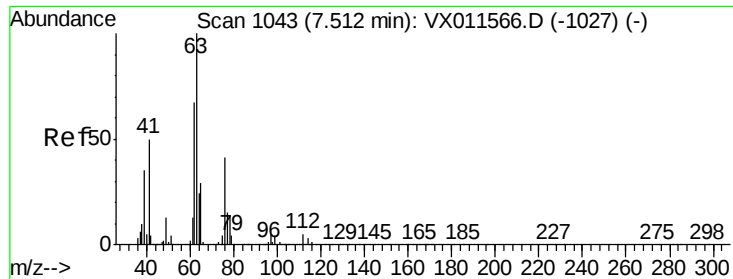


#44

Trichloroethene
 Concen: 17.541 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011574.D
 Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	181.4





#45

1,2-Dichloropropane

Concen: 17.673 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS01

Tot Ion: 63 Resp: 59664

Ion Ratio Lower Upper

63 100

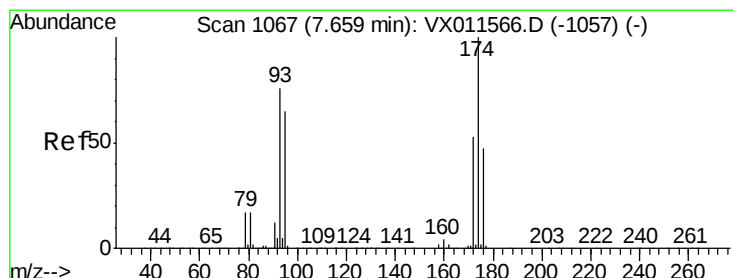
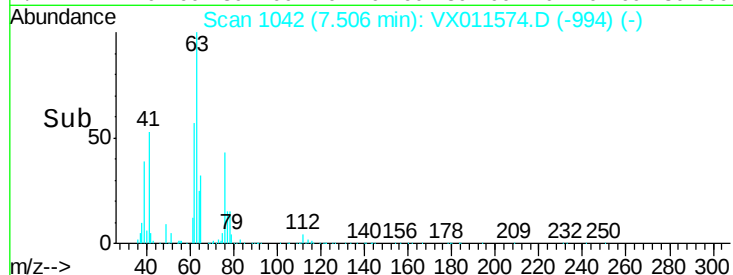
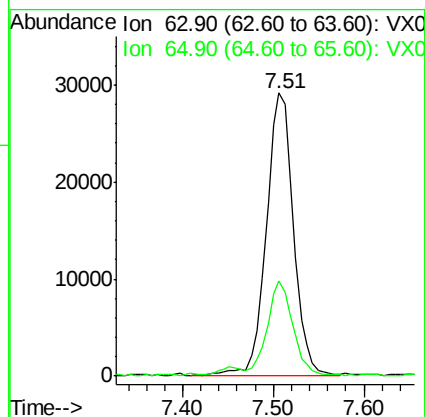
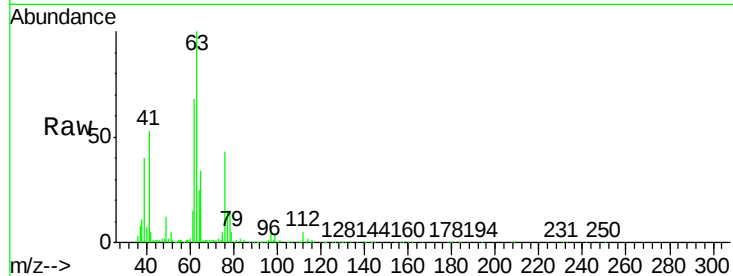
65 33.4 23.4 35.2

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#46

Dibromomethane

Concen: 16.560 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

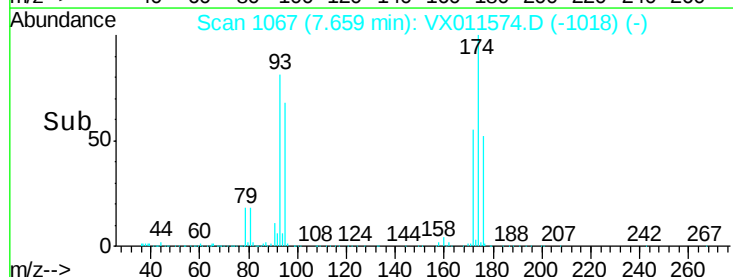
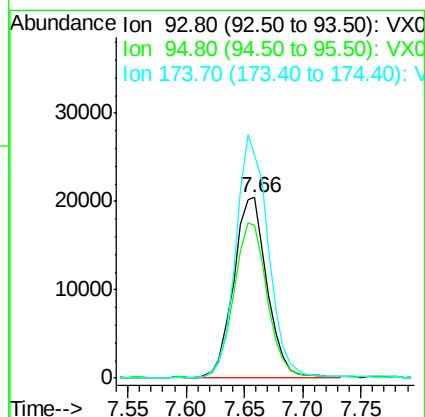
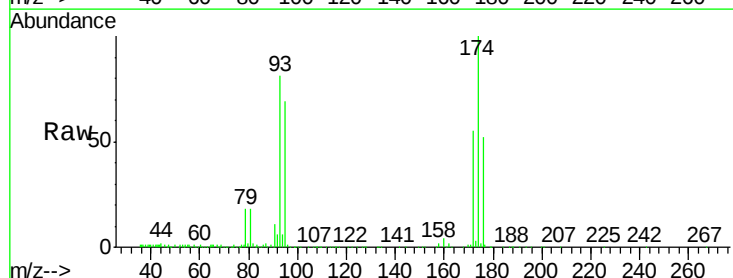
Tgt Ion: 93 Resp: 40627

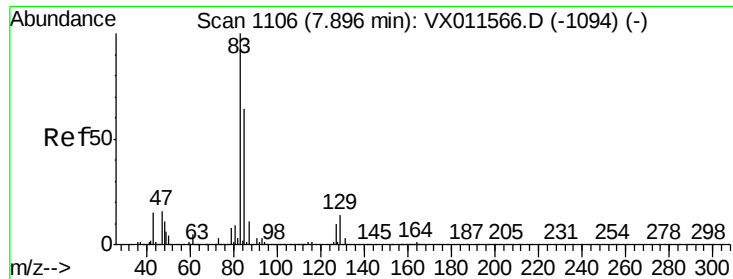
Ion Ratio Lower Upper

93 100

95 87.5 67.2 100.8

174 132.6 105.5 158.3





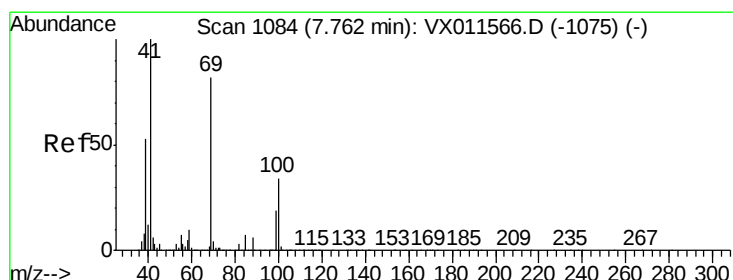
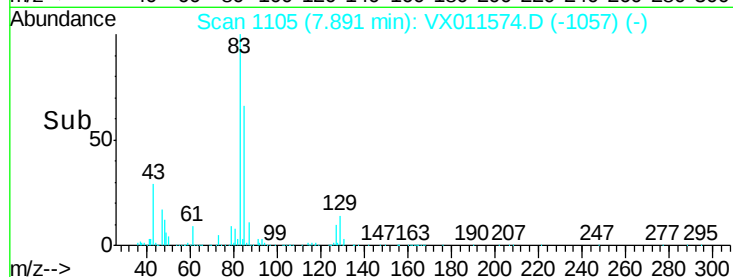
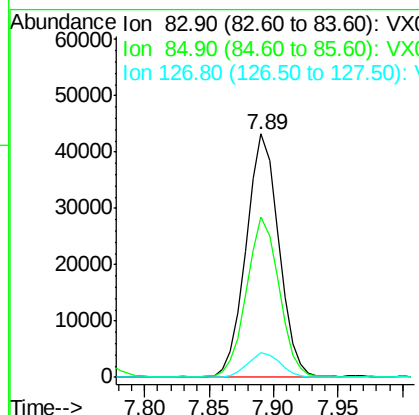
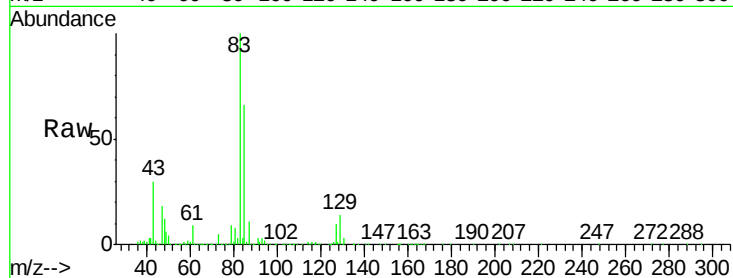
#47
Bromodichloromethane
Concen: 16.669 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

Tot Ion	83	Resp	75084
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	51.2	76.8
127	10.1	8.1	12.1

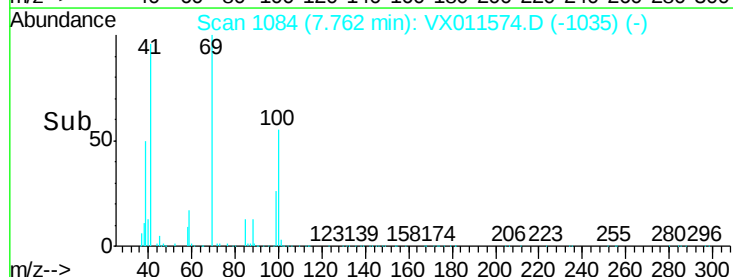
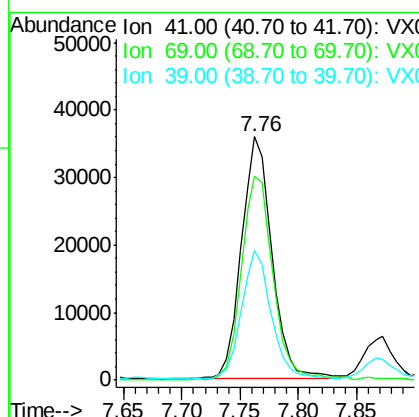
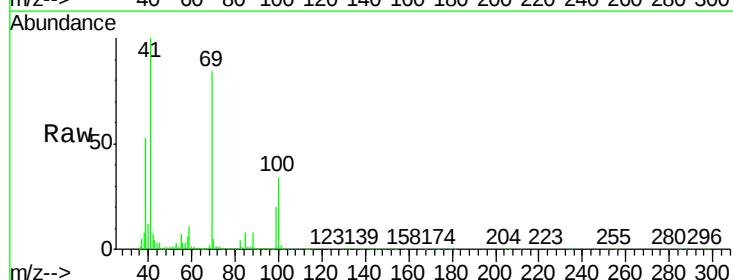
Manual Integrations
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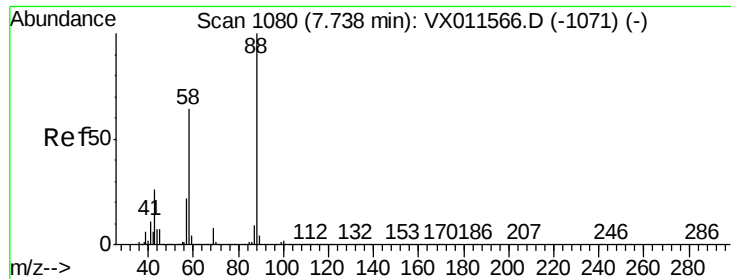
MMDadoda
8/19/2019 10:29:49 AM



#48
Methyl methacrylate
Concen: 17.007 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	41	Resp	65855
Ion Ratio	100	Lower	Upper
41	100		
69	85.8	67.9	101.9
39	51.7	41.6	62.4





#49

1,4-Dioxane

Concen: 331.721 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

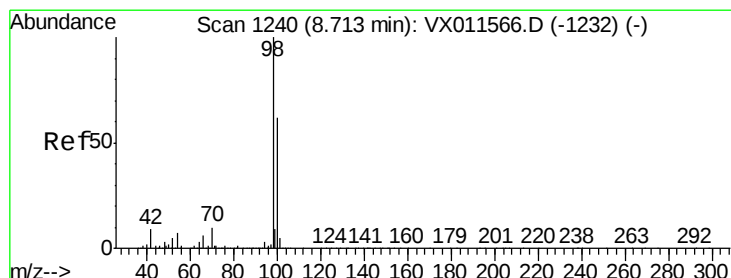
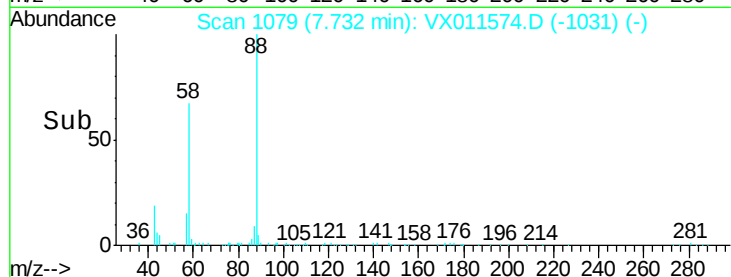
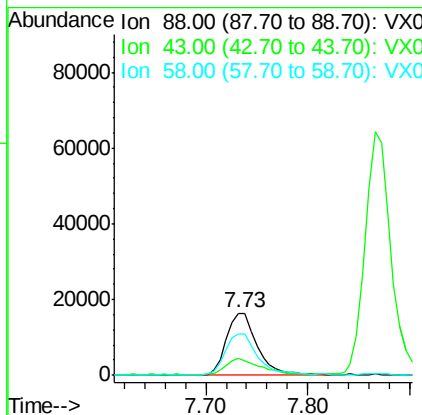
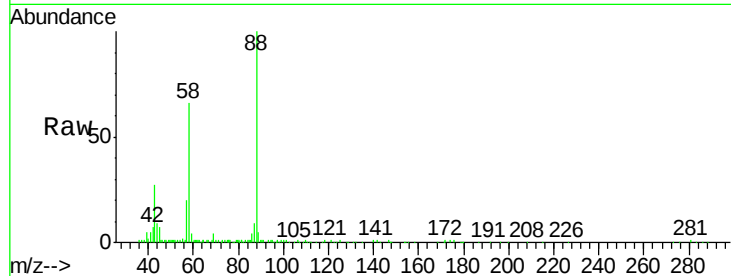
ClientSampleId :

VX0816WBS01

Tot Ion:	88	Resp:	34164
Ion Ratio	Lower	Upper	
88	100		
43	32.3	23.4	35.0
58	70.8	54.3	81.5

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#50

Toluene-d8

Concen: 46.987 ug/l

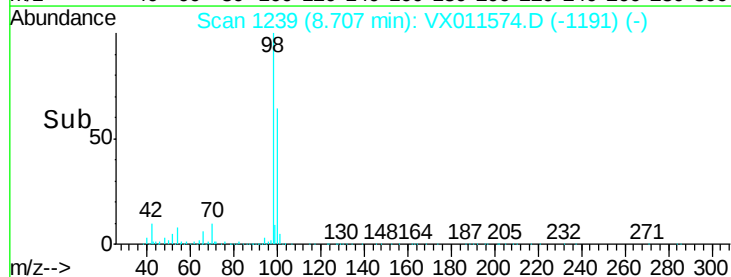
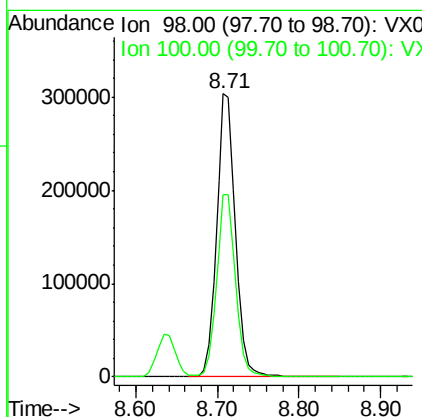
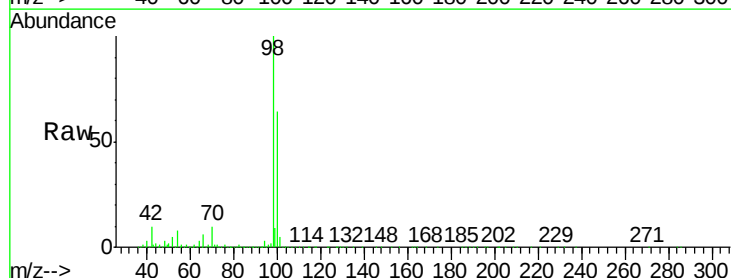
RT: 8.71 min Scan# 1239

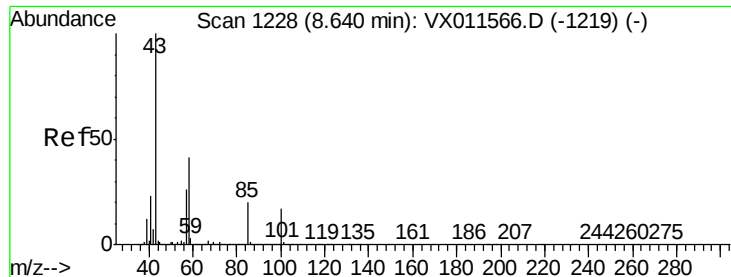
Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tgt Ion:	98	Resp:	487873
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 87.883 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS01

Tot Ion: 43 Resp: 449783

Ion Ratio Lower Upper

43 100

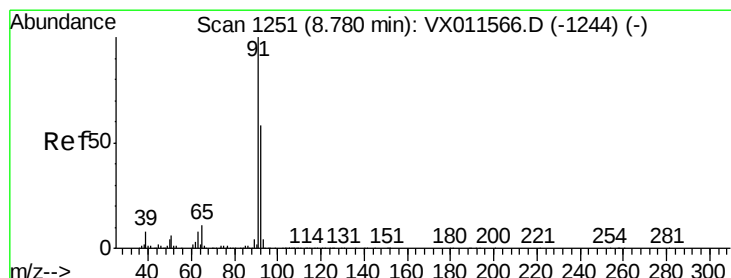
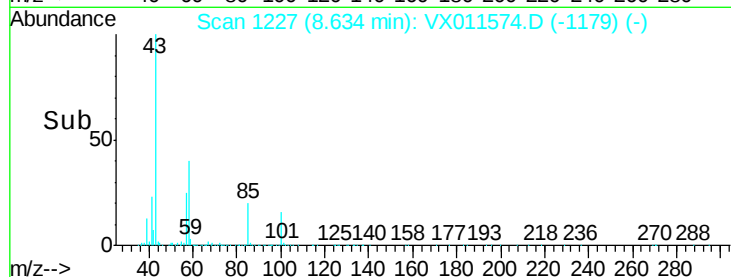
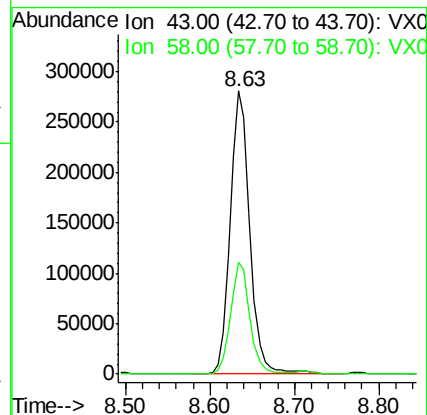
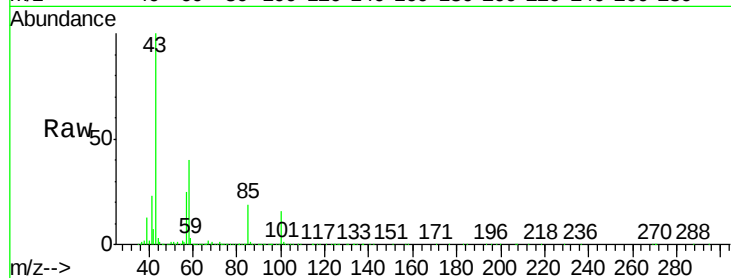
58 38.5 31.8 47.6

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#52

Toluene

Concen: 17.656 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011574.D

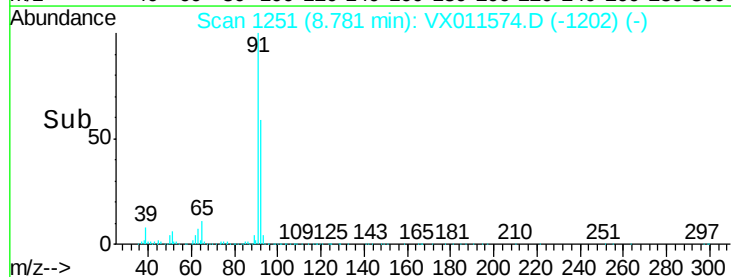
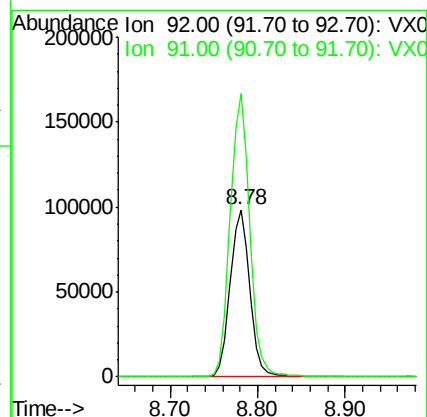
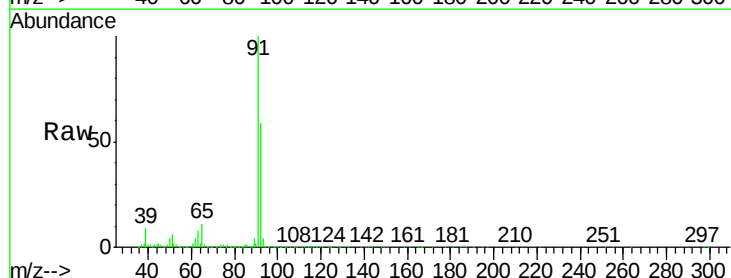
Acq: 16 Aug 2019 12:29

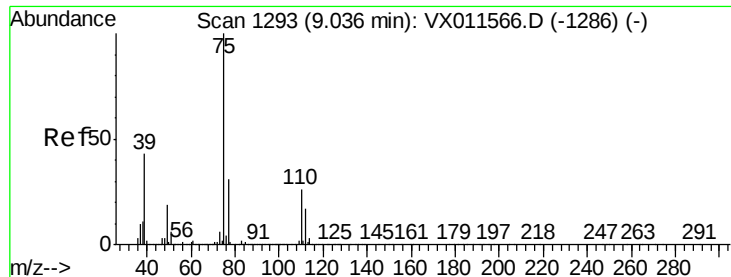
Tgt Ion: 92 Resp: 152270

Ion Ratio Lower Upper

92 100

91 170.2 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 17.022 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS01

Tot Ion: 75 Resp: 79576

Ion Ratio Lower Upper

75 100

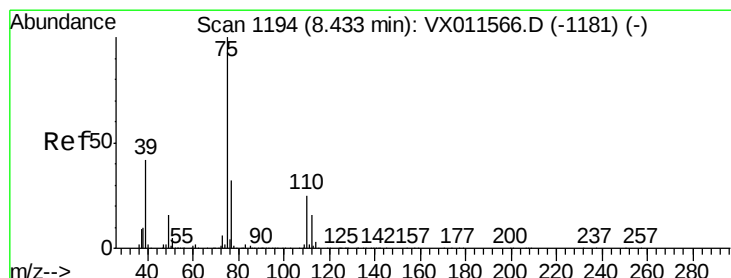
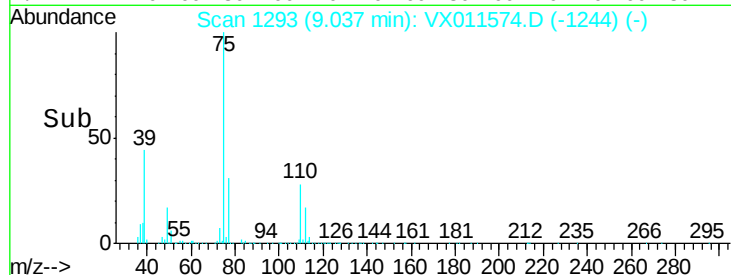
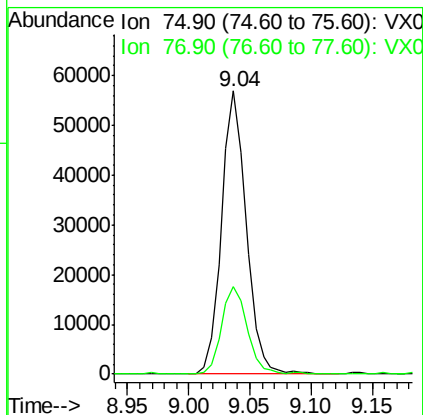
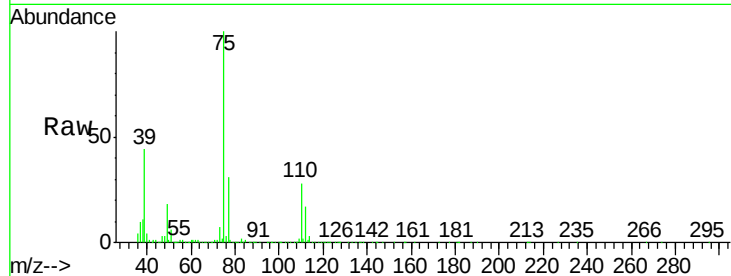
77 30.7 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 17.745 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

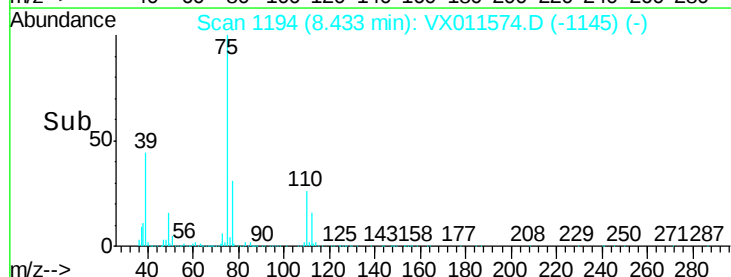
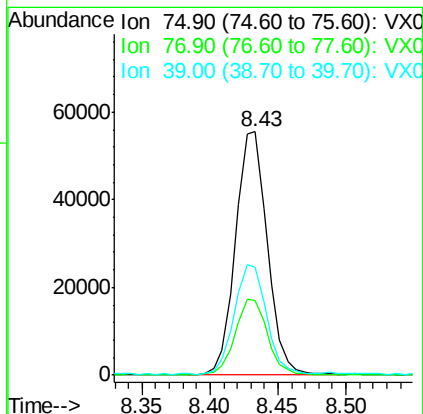
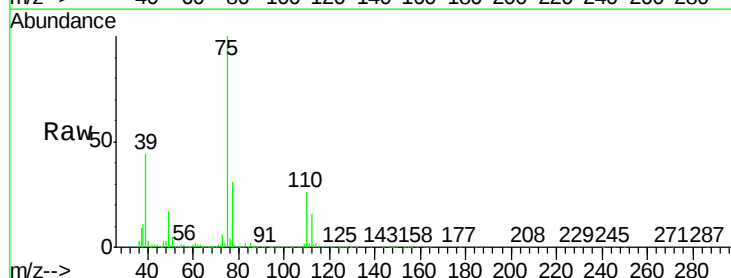
Tgt Ion: 75 Resp: 90788

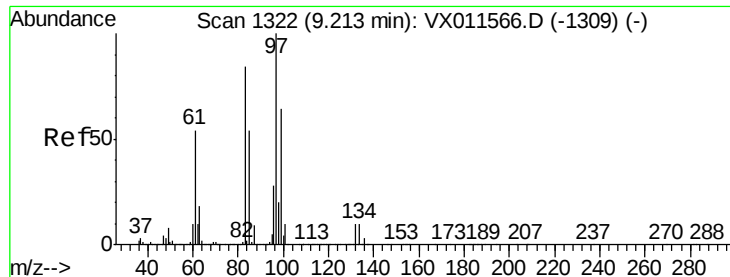
Ion Ratio Lower Upper

75 100

77 30.7 25.5 38.3

39 43.9 33.6 50.4





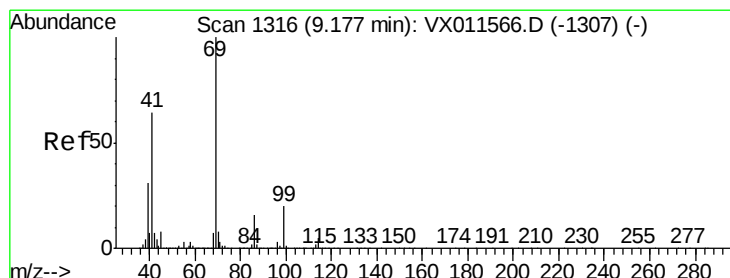
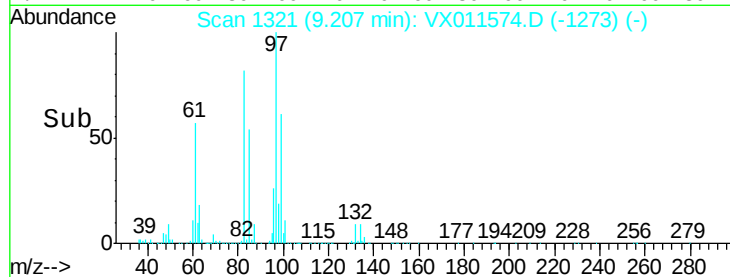
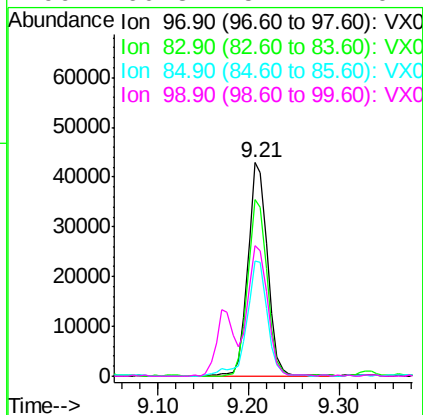
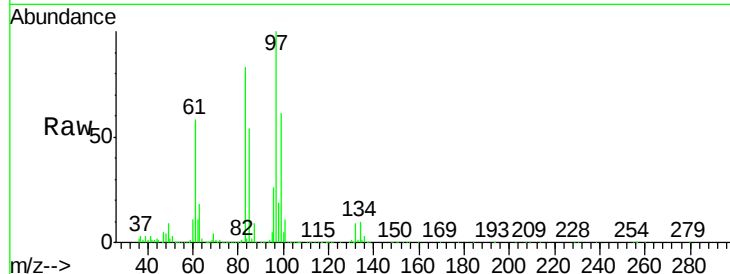
#55
 1,1,2-Trichloroethane
 Concen: 17.543 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX011574.D
 Acq: 16 Aug 2019 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		64336		
83	82.5	67.4	101.0		
85	54.0	43.4	65.2		
99	60.8	51.1	76.7		

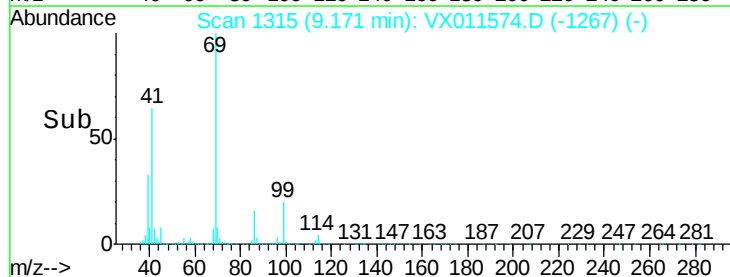
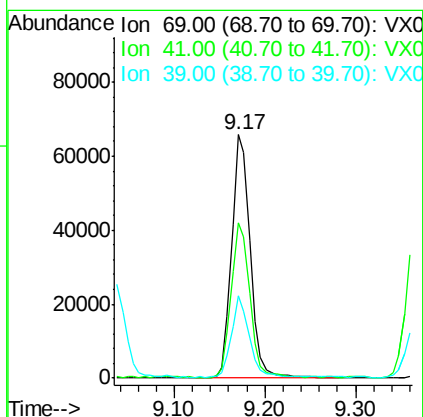
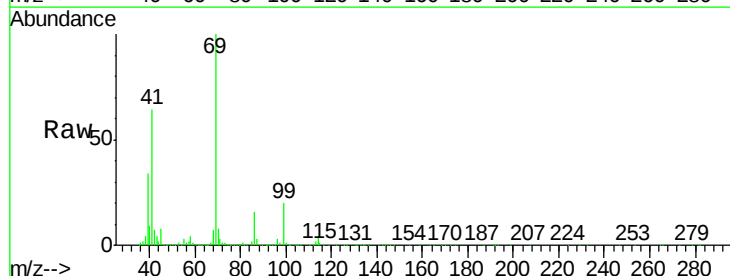
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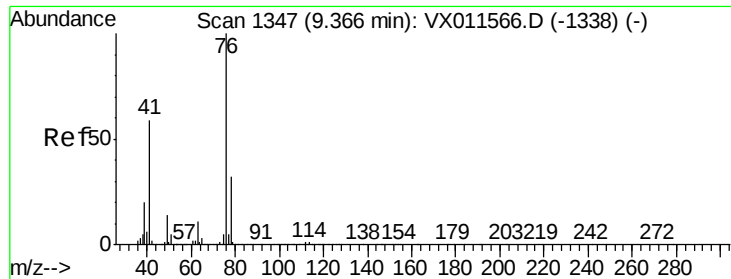
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 17.470 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011574.D
 Acq: 16 Aug 2019 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		93119		
41	64.6	52.1	78.1		
39	32.7	25.4	38.0		





#57

1,3-Dichloropropane

Concen: 17.302 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

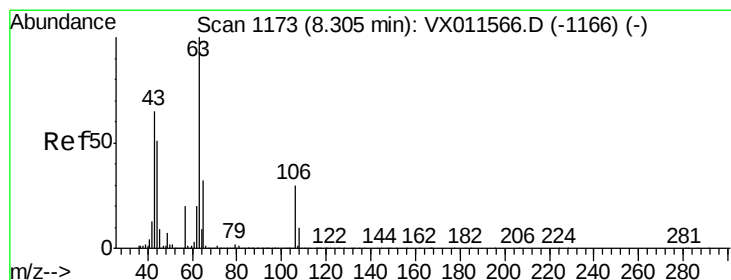
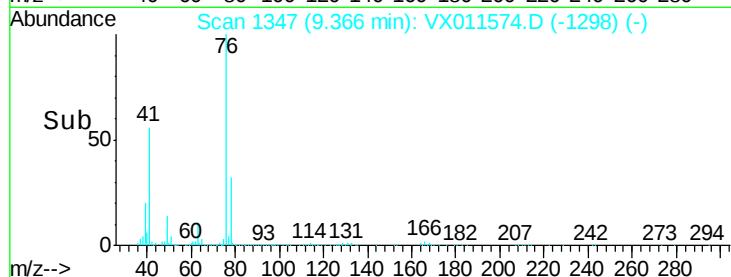
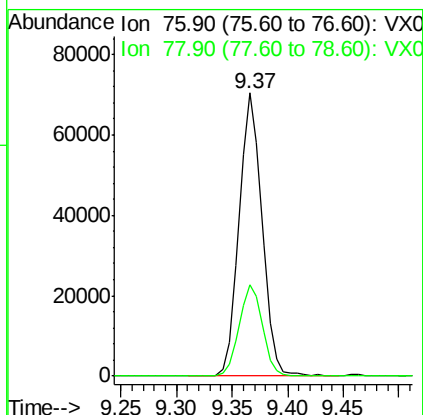
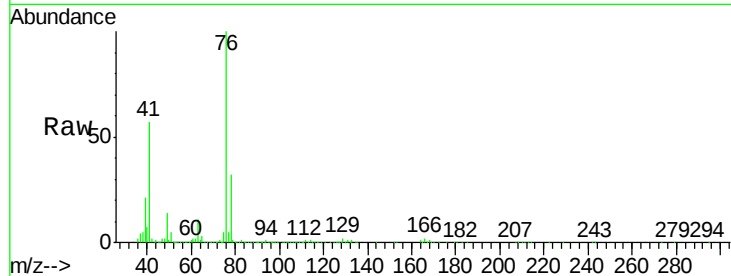
ClientSampleId :

VX0816WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.2	39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 89.226 ug/l

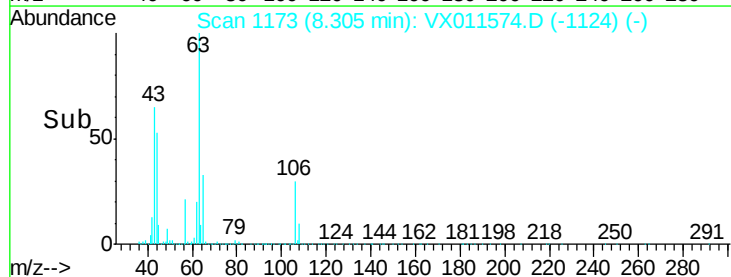
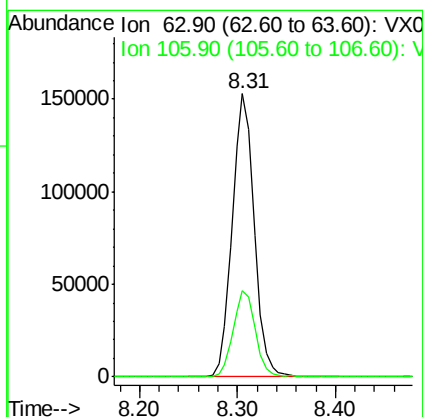
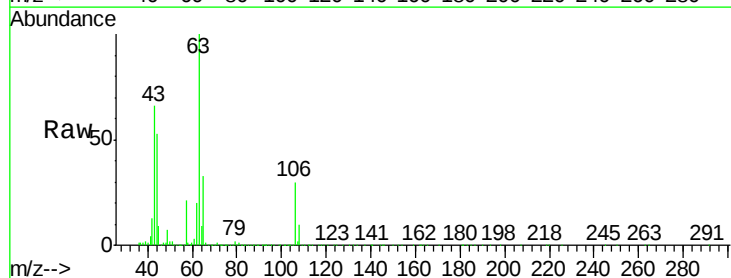
RT: 8.31 min Scan# 1173

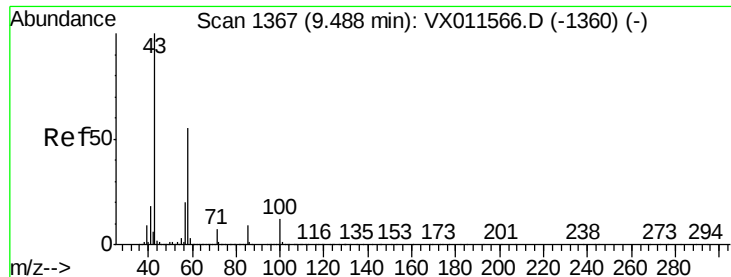
Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	24.7	37.1





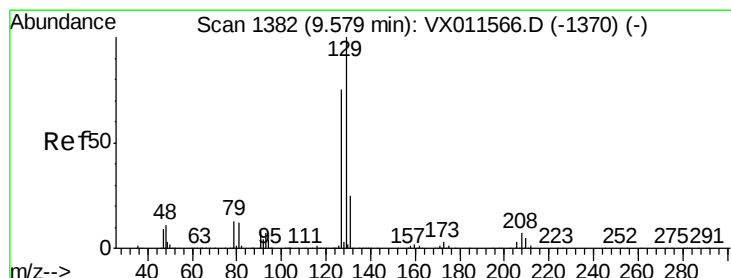
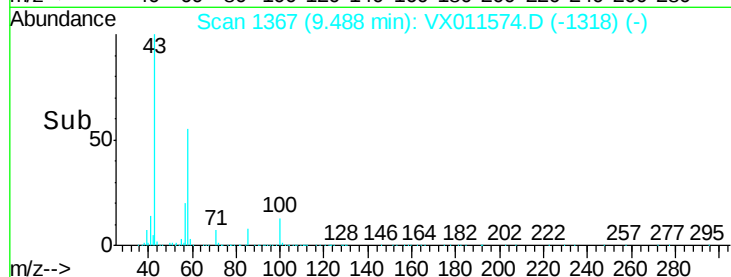
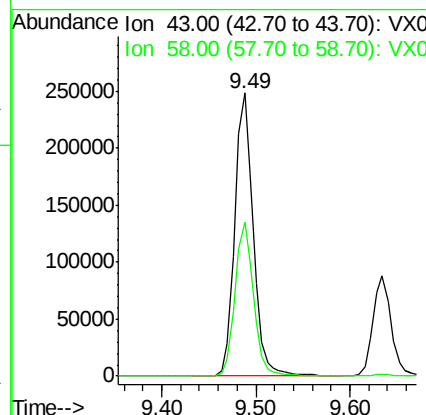
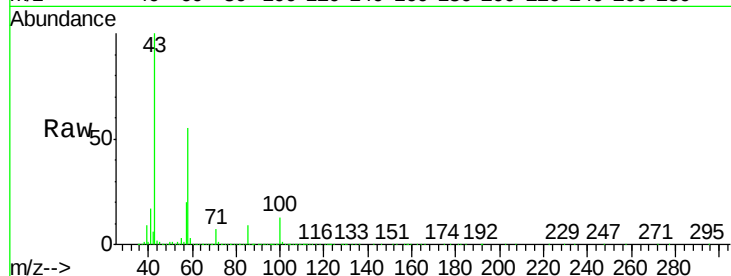
#59
2-Hexanone
Concen: 85.583 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

Tot Ion: 43 Resp: 337773
Ion Ratio Lower Upper
43 100
58 55.1 27.5 82.4

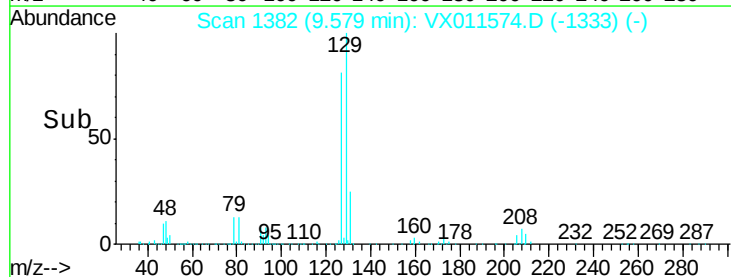
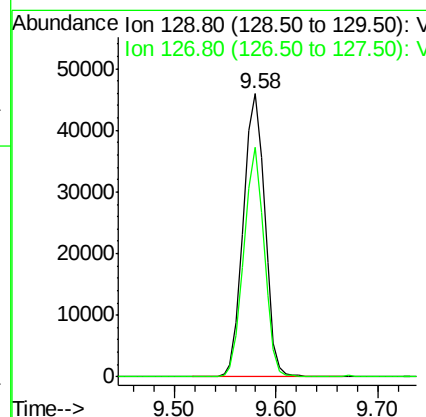
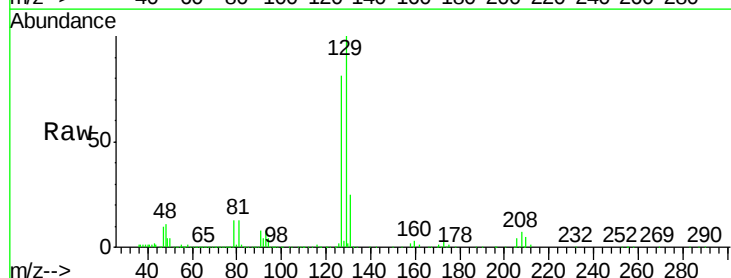
Manual Integrations
APPROVED

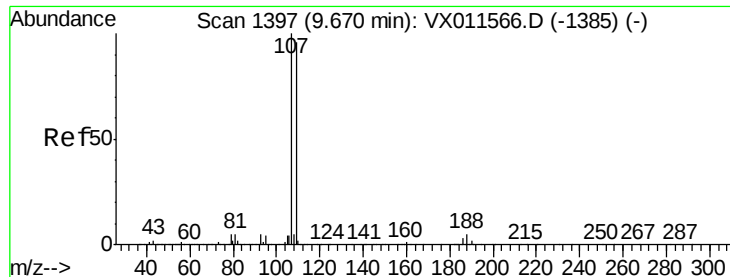
MMDadoda
8/19/2019 10:29:49 AM



#60
Dibromochloromethane
Concen: 17.521 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion: 129 Resp: 66948
Ion Ratio Lower Upper
129 100
127 76.7 38.0 114.1





#61

1,2-Dibromoethane

Concen: 17.480 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS01

Tot Ion: 107 Resp: 68417

Ion Ratio Lower Upper

107 100

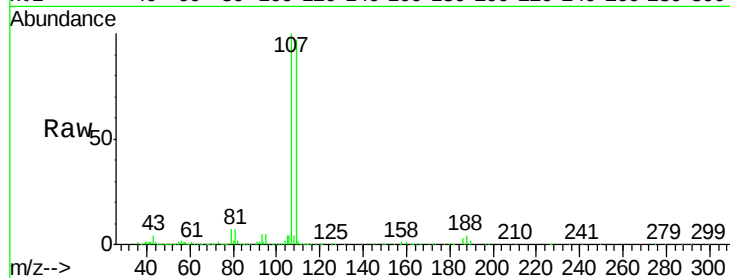
109 95.5 76.2 114.2

Manual Integrations

APPROVED

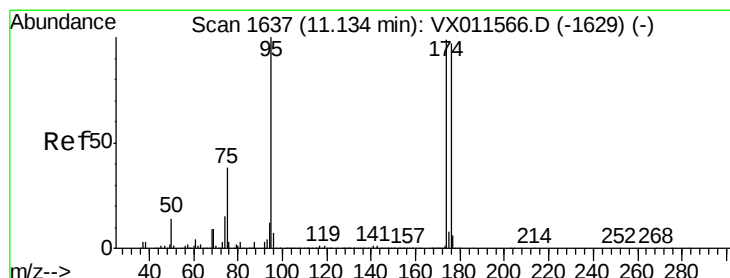
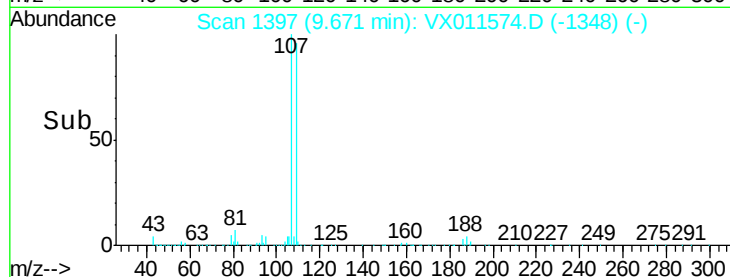
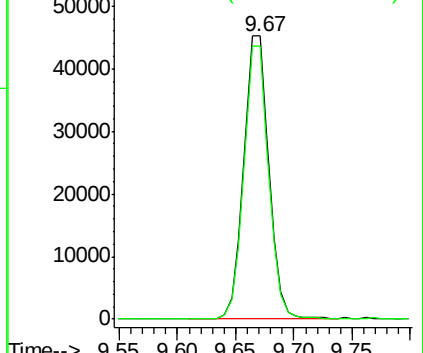
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.415 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

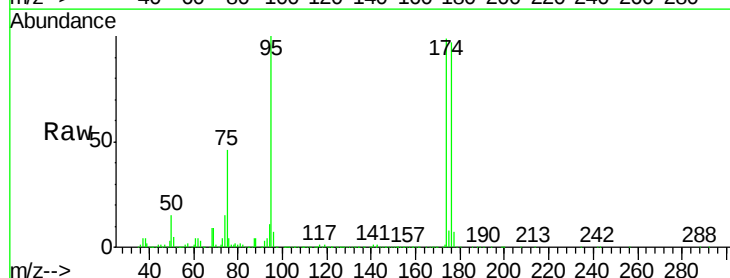
Tgt Ion: 95 Resp: 199035

Ion Ratio Lower Upper

95 100

174 100.3 0.0 200.6

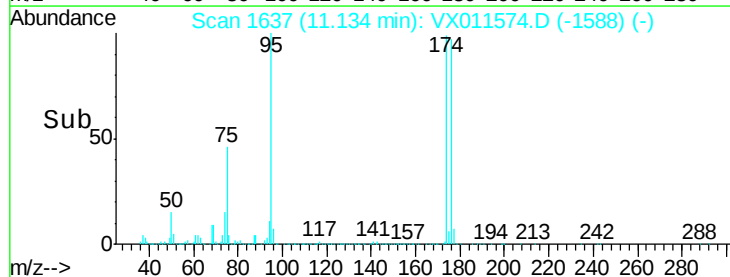
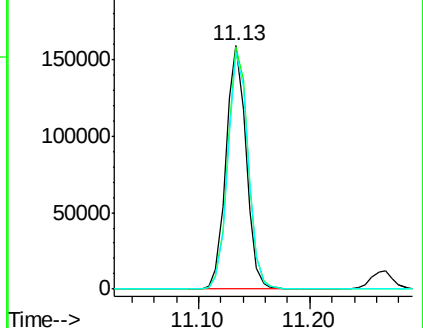
176 98.0 0.0 196.6

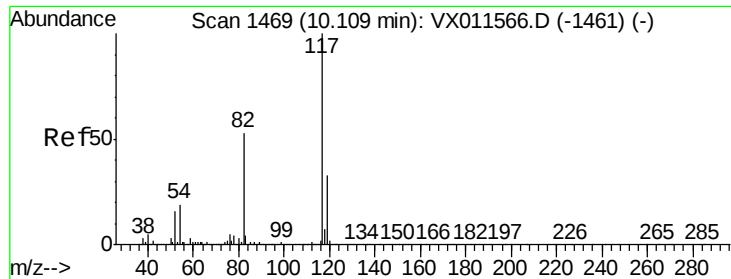


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





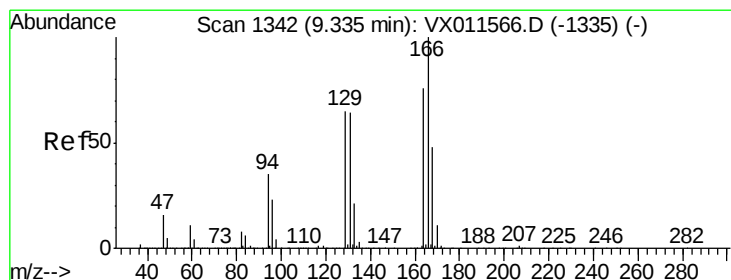
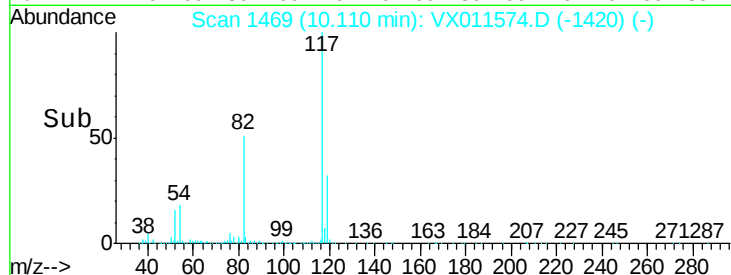
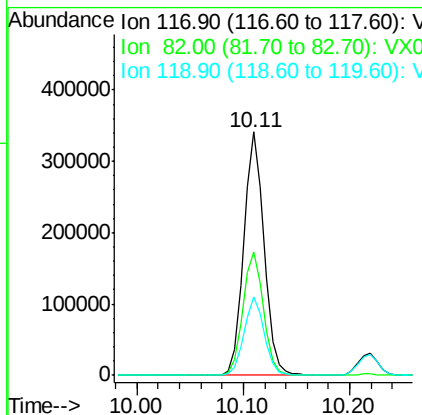
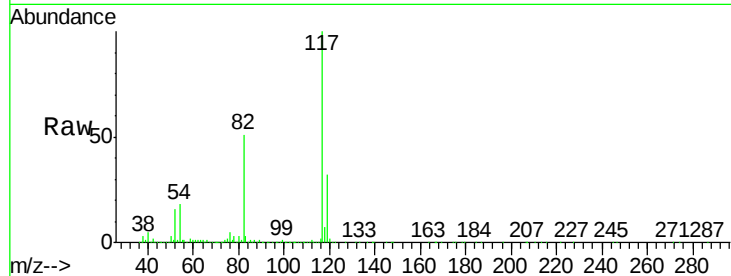
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	42.0	63.0
119	32.1	26.5	39.7

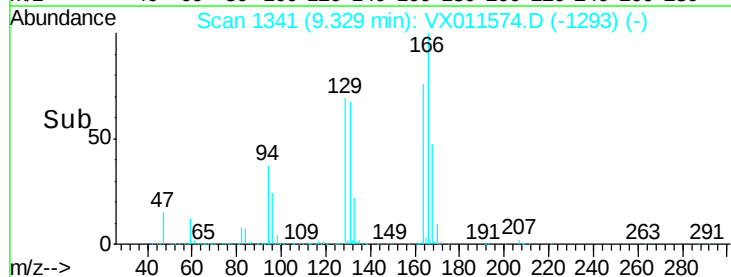
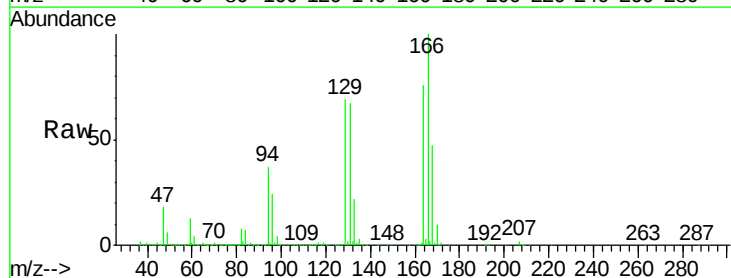
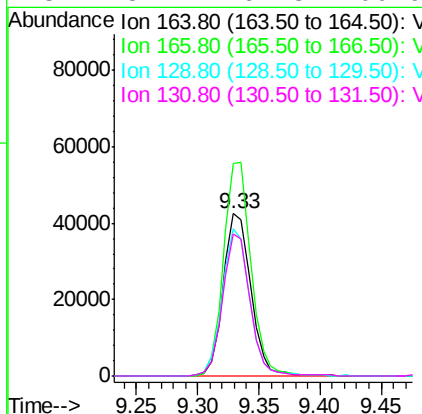
Manual Integrations
APPROVED

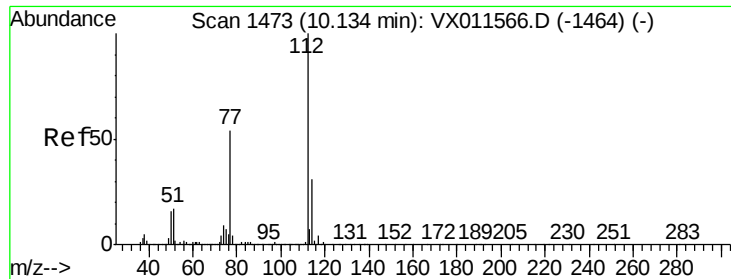
MMDadoda
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#64
Tetrachloroethene
Concen: 17.782 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.7	157.1
129	90.5	68.2	102.4
131	87.7	67.3	100.9





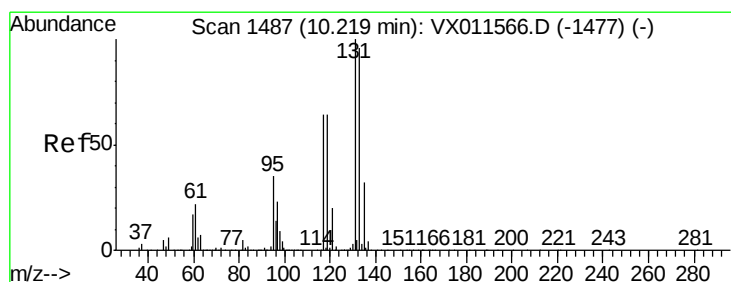
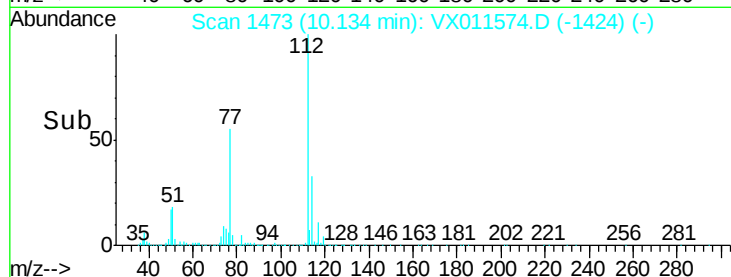
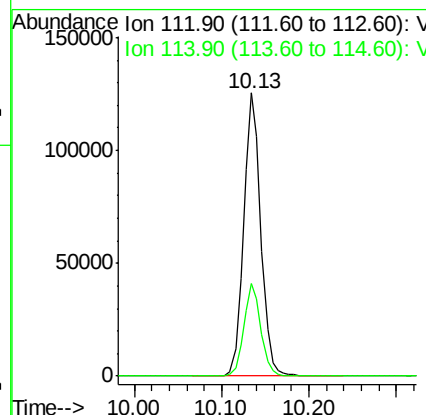
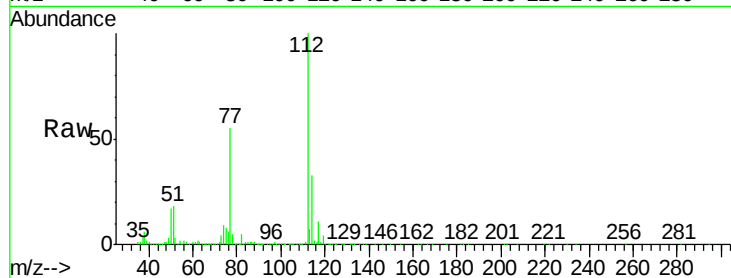
#65
Chlorobenzene
Concen: 17.674 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampled :
VX0816WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	172302		
114	32.6	25.0	37.6	

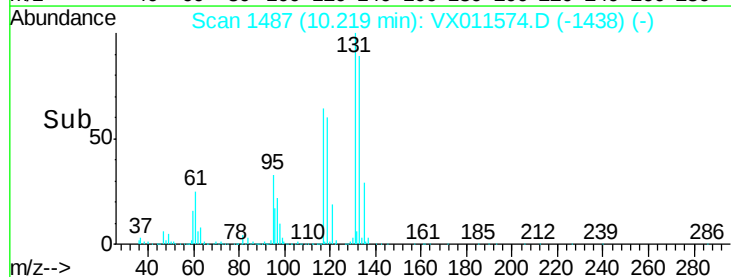
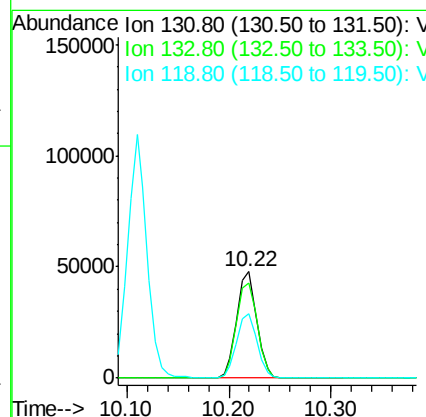
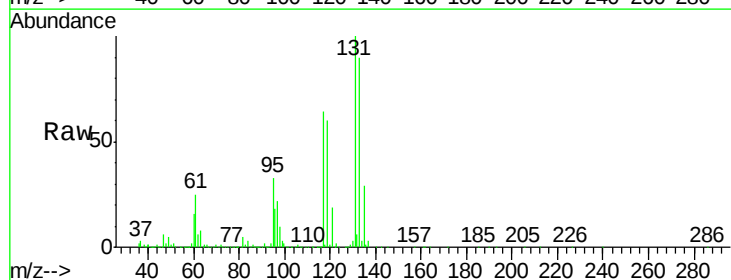
Manual Integrations
APPROVED

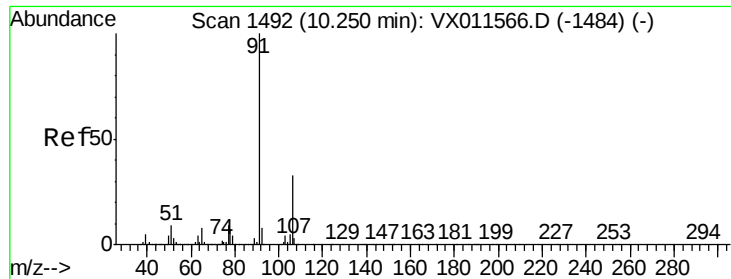
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.851 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	65048		
133	93.3	48.1	144.4	
119	61.4	31.3	93.8	





#67

Ethyl Benzene

Concen: 17.745 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampled :

VX0816WBS01

Tot Ion: 91 Resp: 288714

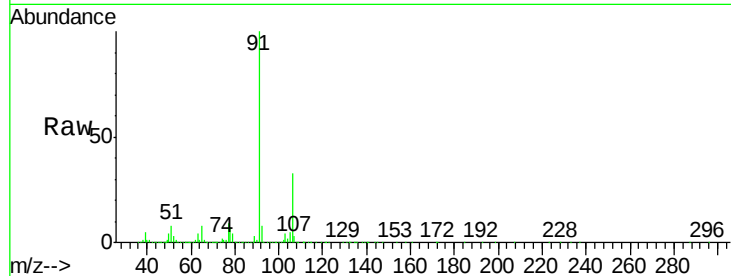
Ion Ratio Lower Upper

91 100

106 32.7 26.0 39.0

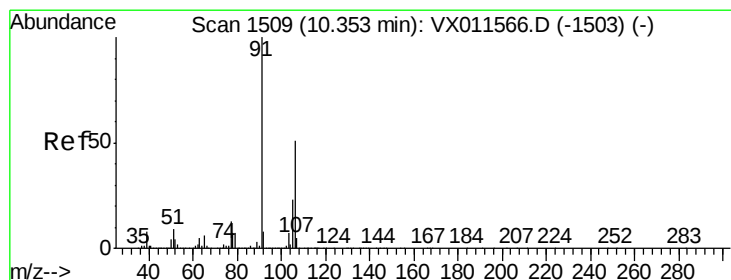
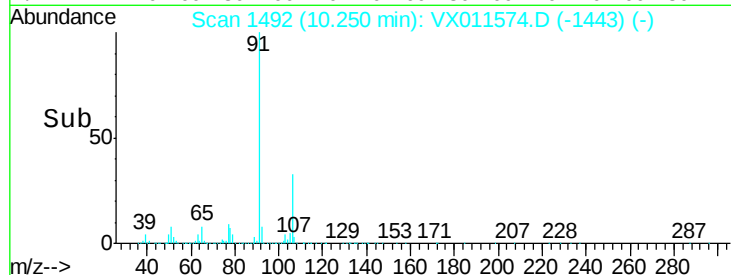
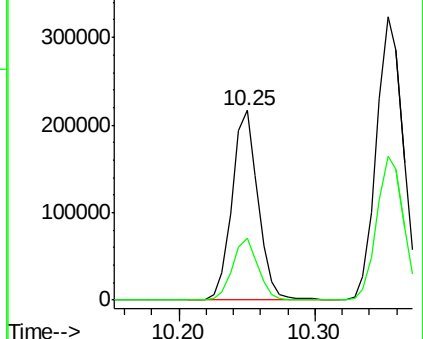
Manual Integrations
APPROVED

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8/19/2019 10:29:49 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 36.223 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011574.D

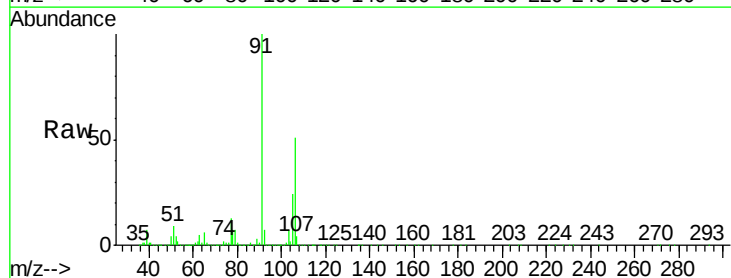
Acq: 16 Aug 2019 12:29

Tgt Ion: 106 Resp: 226230

Ion Ratio Lower Upper

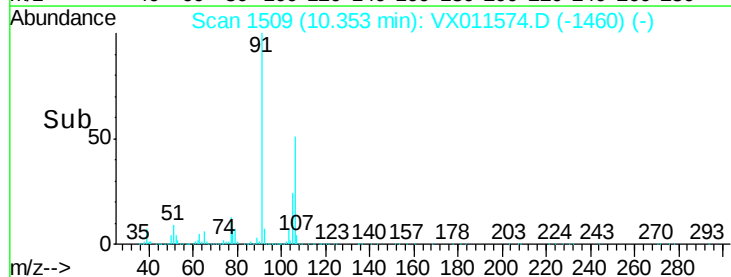
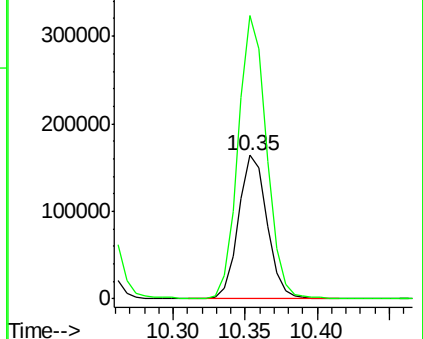
106 100

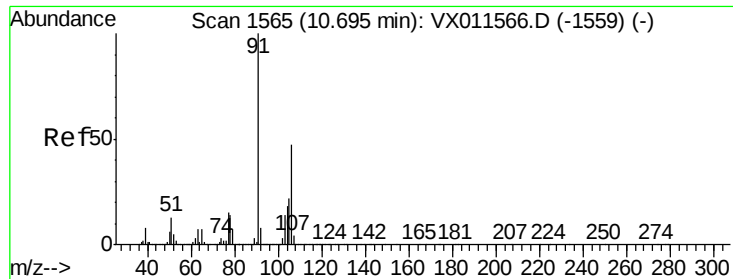
91 196.5 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





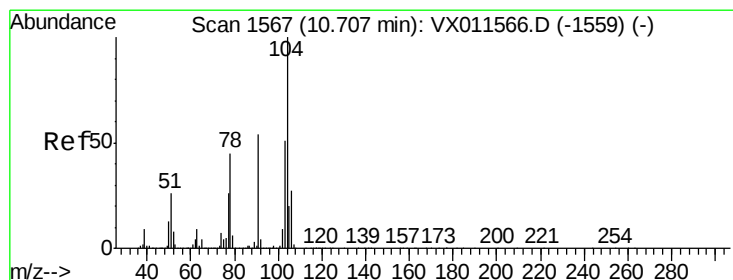
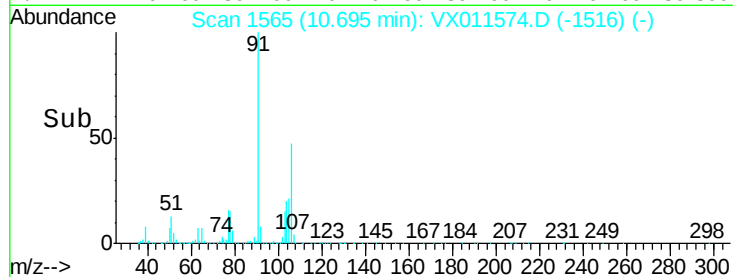
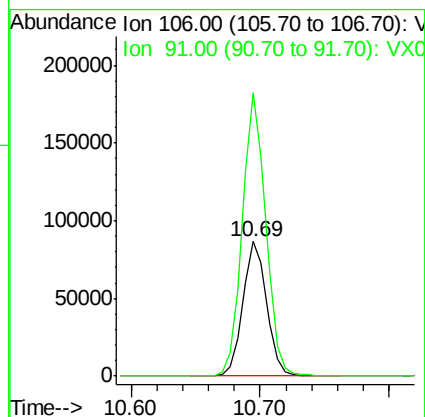
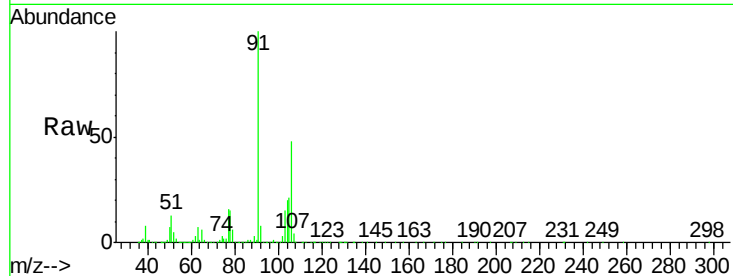
#69
o-Xylene
Concen: 17.964 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	109895		
91	206.9	105.5	316.4	

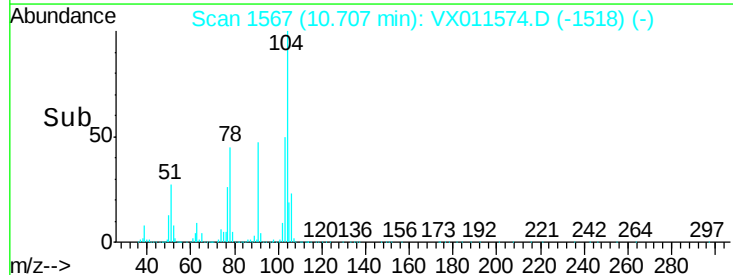
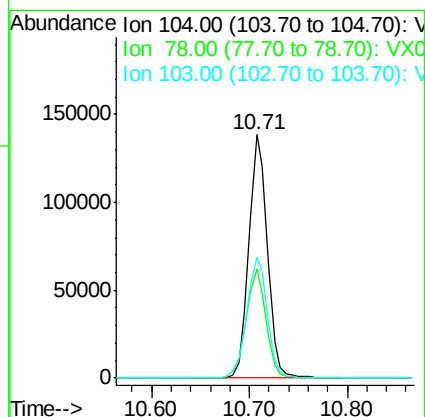
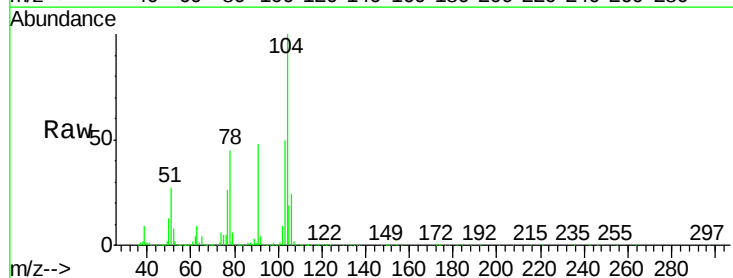
Manual Integrations
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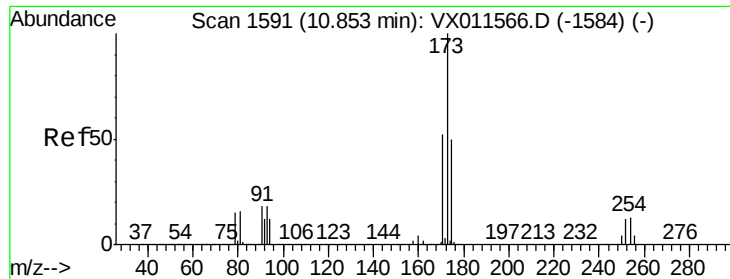
MMDadoda
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#70
Styrene
Concen: 17.669 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	181968		
78	48.2	38.2	57.4	
103	54.7	43.6	65.4	





#71

Bromoform

Concen: 17.222 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS01

Tot Ion:173 Resp: 52803

Ion Ratio Lower Upper

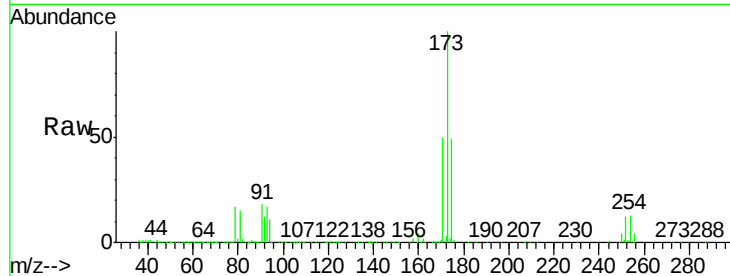
173 100

175 48.0 24.9 74.7

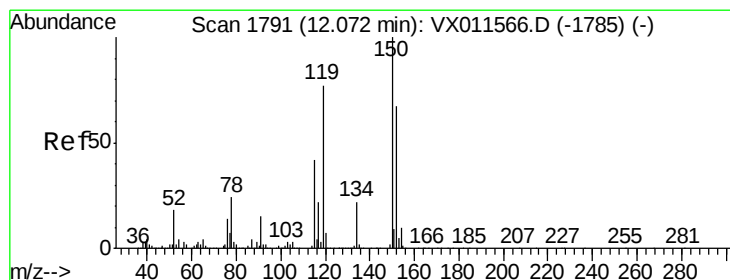
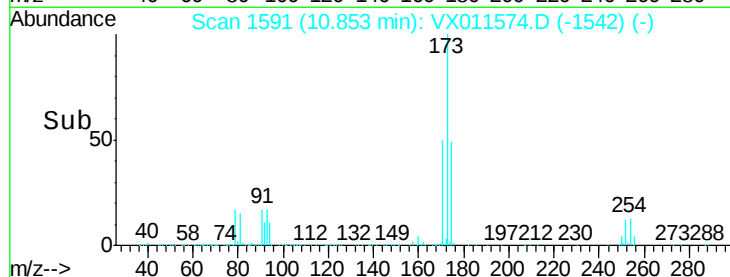
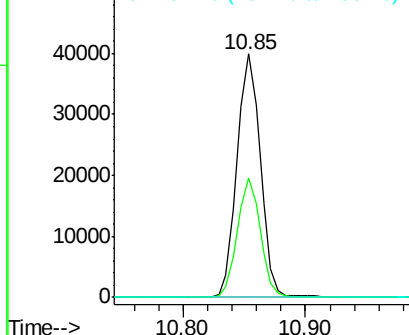
254 0.2 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

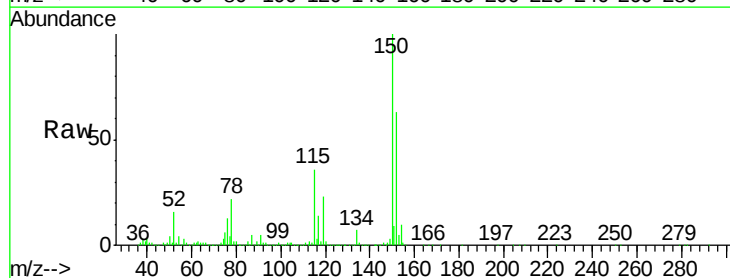
Tgt Ion:152 Resp: 245501

Ion Ratio Lower Upper

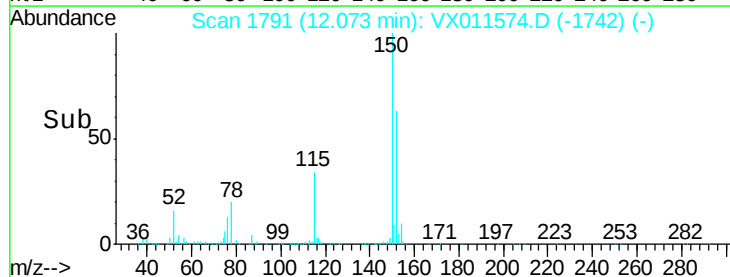
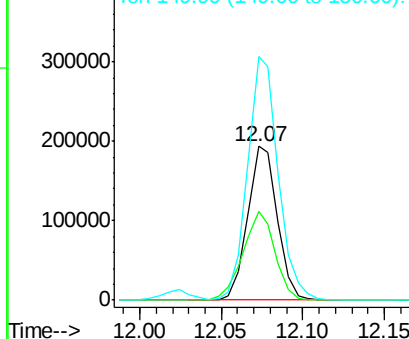
152 100

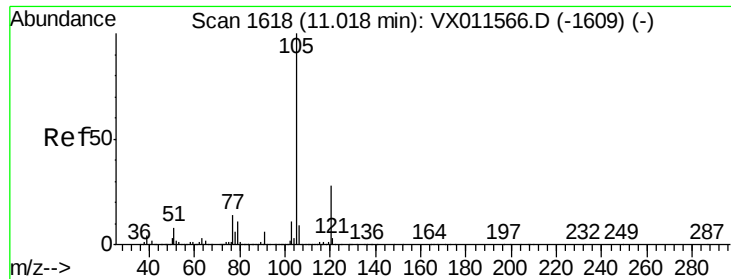
115 62.4 37.3 111.9

150 164.0 0.0 346.2



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: 18.690 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampled :

VX0816WBS01

Tot Ion: 105 Resp: 297733

Ion Ratio Lower Upper

105 100

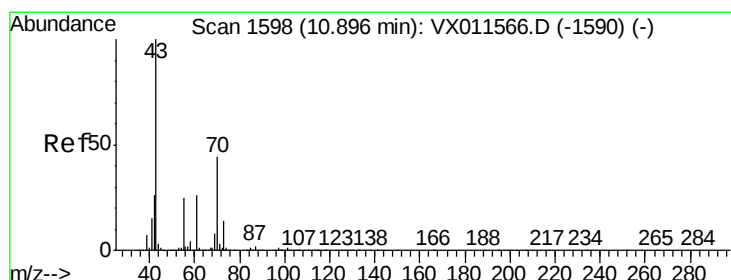
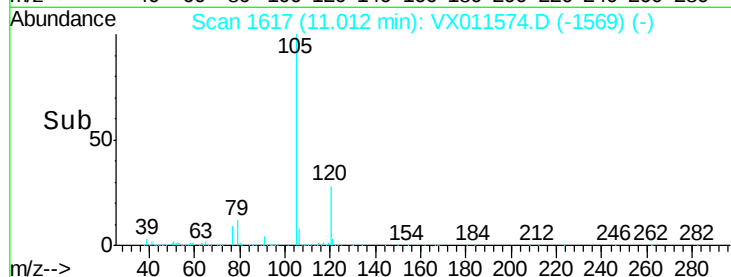
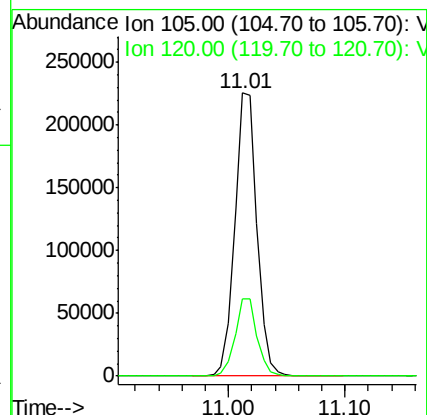
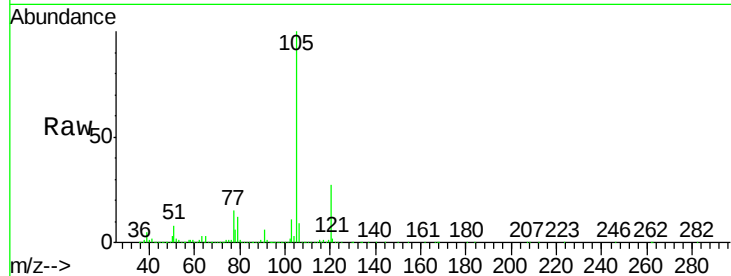
120 27.2 14.0 41.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 16.954 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tgt Ion: 43 Resp: 114776

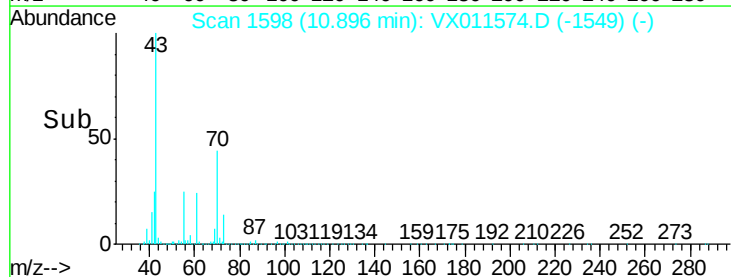
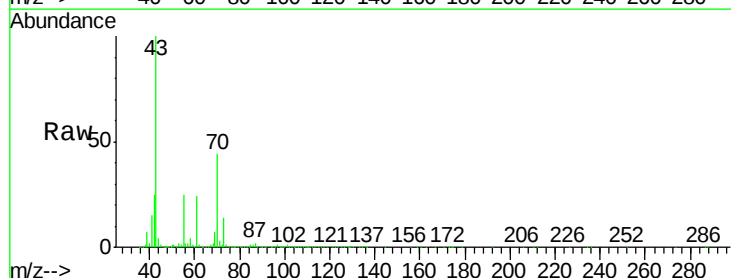
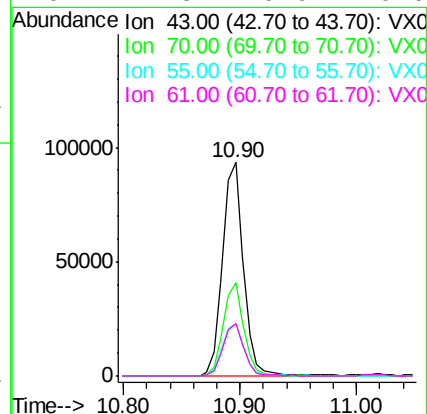
Ion Ratio Lower Upper

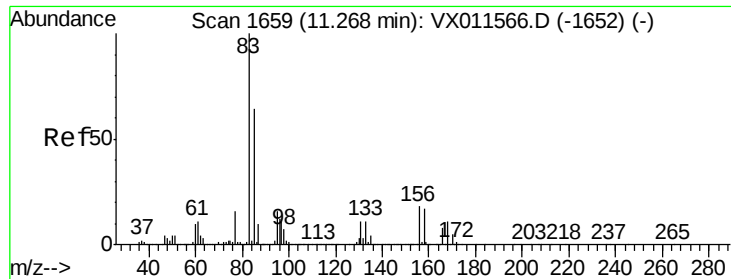
43 100

70 43.5 34.7 52.1

55 25.6 19.6 29.4

61 24.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 17.661 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

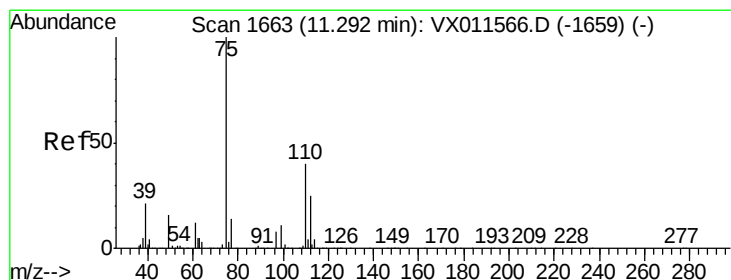
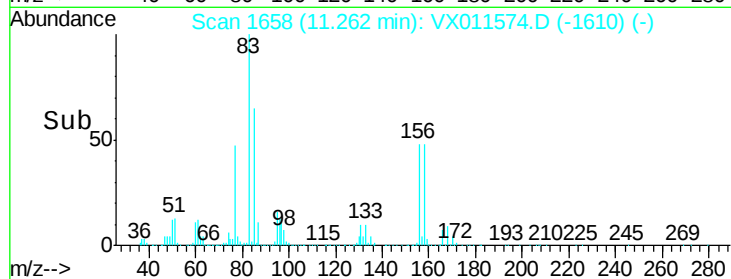
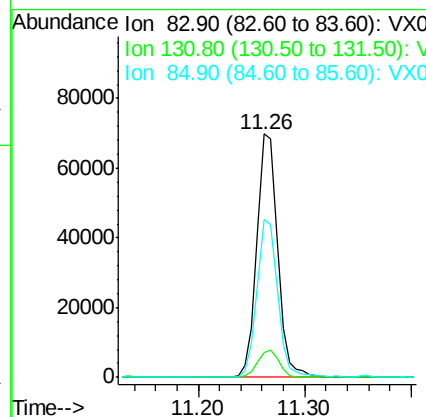
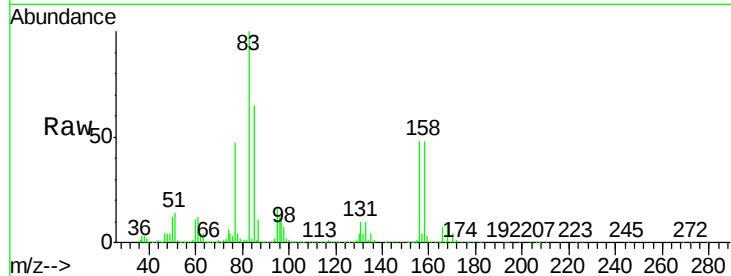
ClientSampleId :

VX0816WBS01

Tot Ion:	83	Resp:	96784
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.3
85	64.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.653 ug/l m

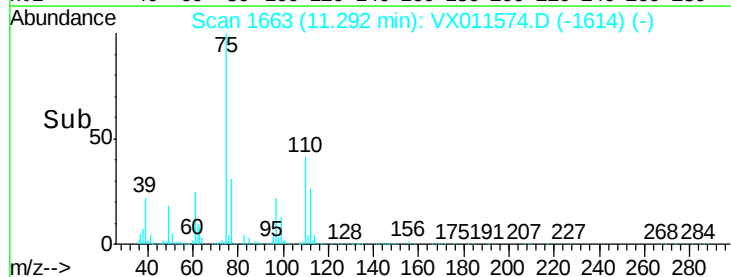
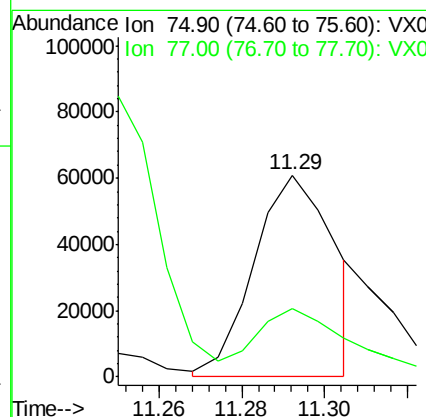
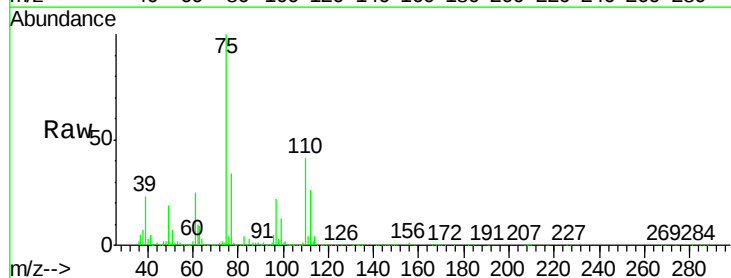
RT: 11.29 min Scan# 1663

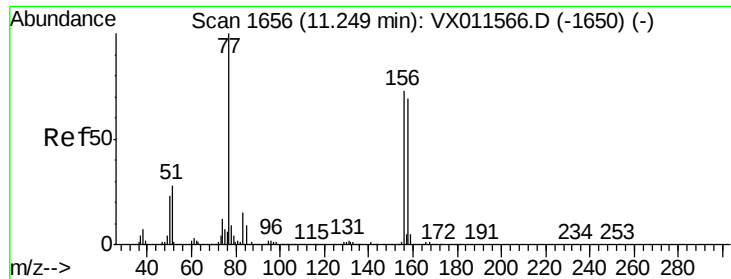
Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tgt Ion:	75	Resp:	82181
Ion Ratio	Lower	Upper	
75	100		
77	40.4	20.9	62.8





#77

Bromobenzene

Concen: 17.960 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

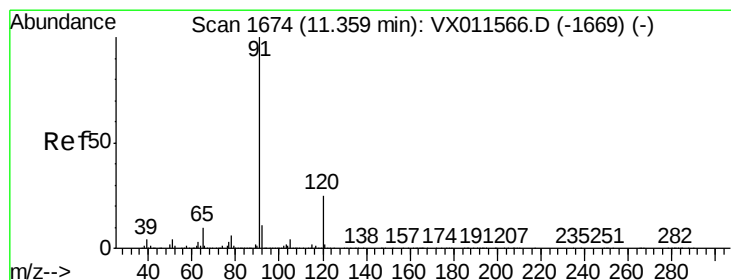
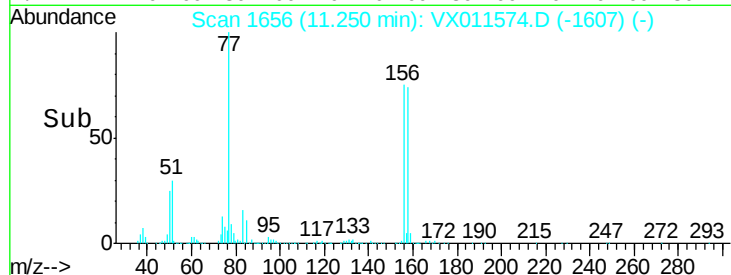
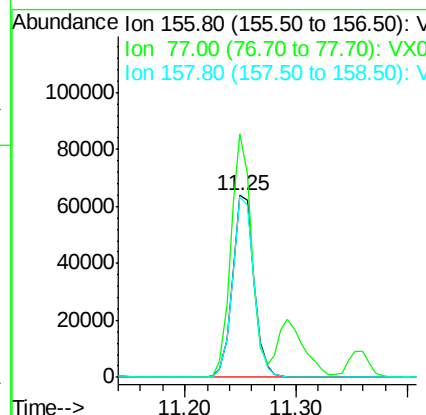
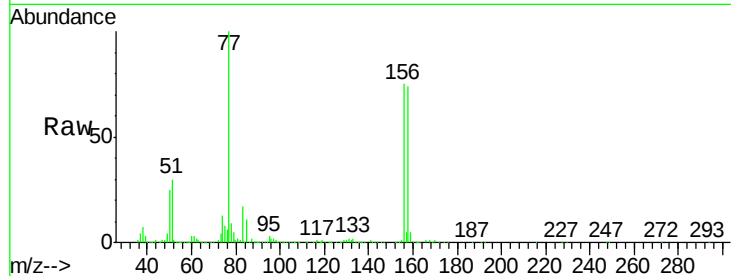
ClientSampleId :

VX0816WBS01

Tot Ion:	156	Resp:	85122
Ion Ratio	Lower	Upper	
156	100		
77	128.1	64.6	193.9
158	98.4	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 18.655 ug/l

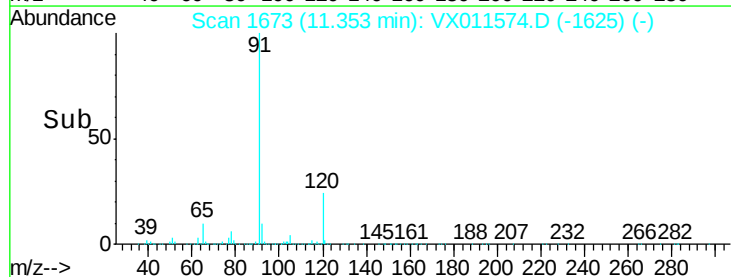
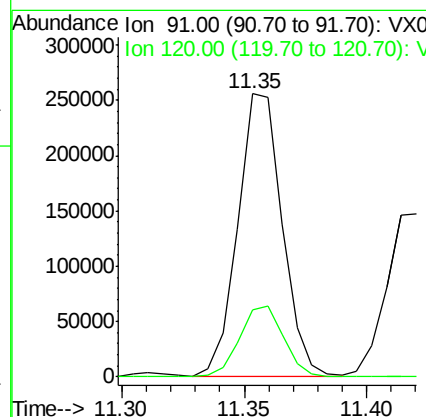
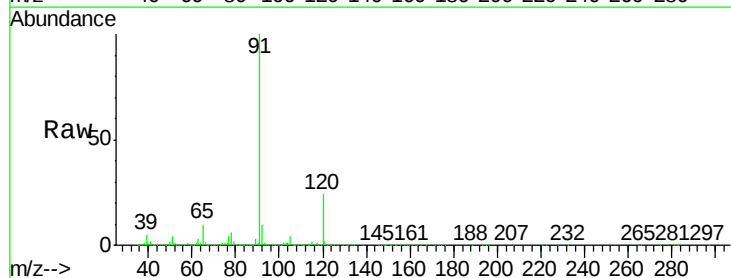
RT: 11.35 min Scan# 1673

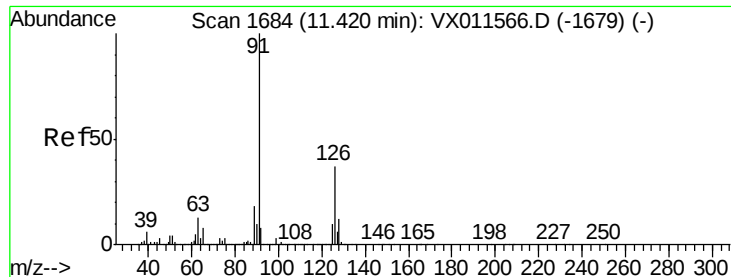
Delta R.T. -0.01 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tgt Ion:	91	Resp:	320449
Ion Ratio	Lower	Upper	
91	100		
120	25.1	12.6	37.6





#79

2-Chlorotoluene

Concen: 18.346 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS01

Tot Ion: 91 Resp: 193514

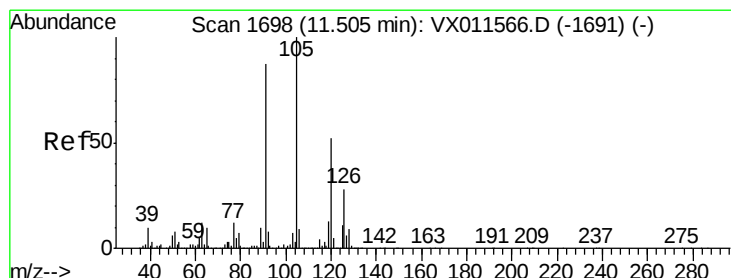
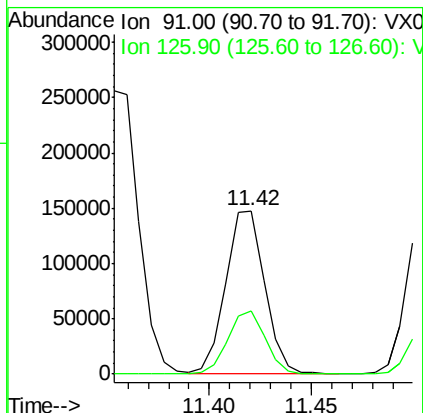
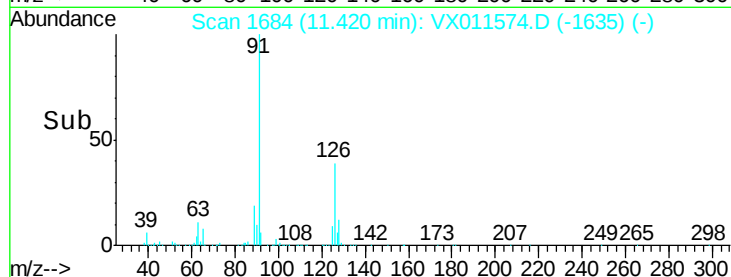
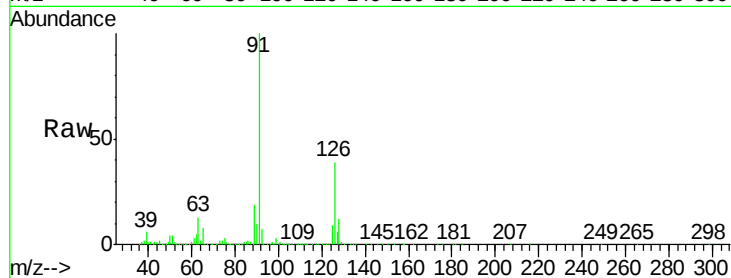
Ion Ratio Lower Upper

91 100

126 37.7 18.4 55.0

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#80

1,3,5-Trimethylbenzene

Concen: 18.844 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011574.D

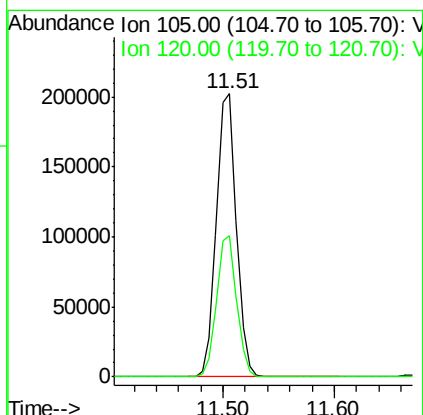
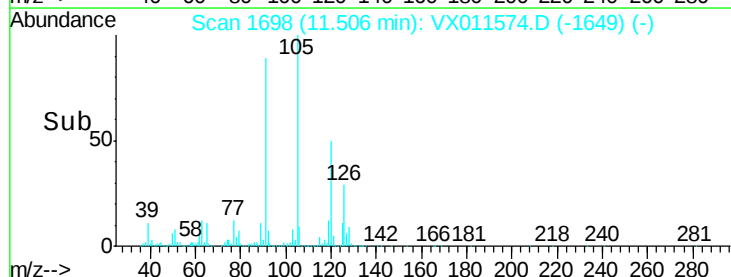
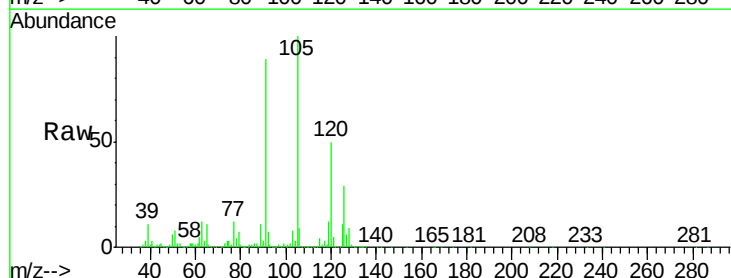
Acq: 16 Aug 2019 12:29

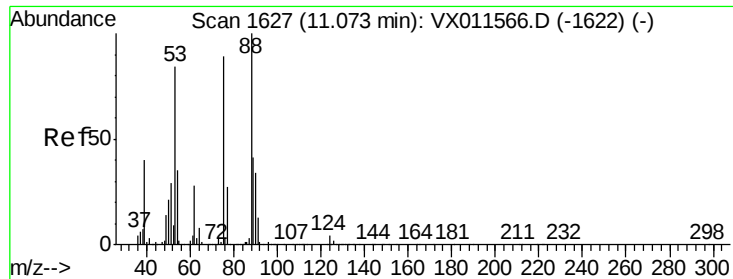
Tgt Ion: 105 Resp: 252170

Ion Ratio Lower Upper

105 100

120 49.7 25.3 75.8





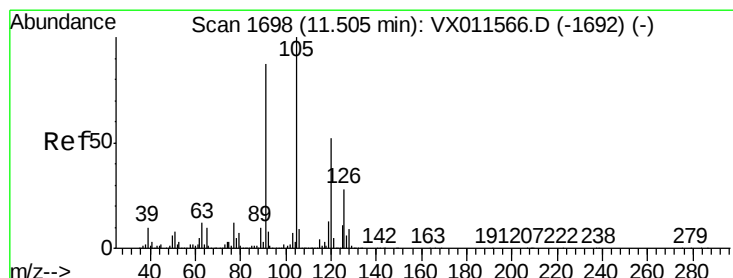
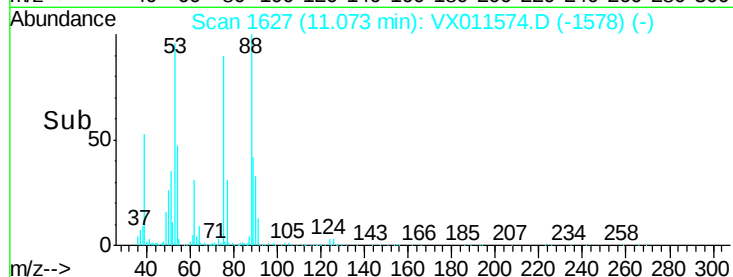
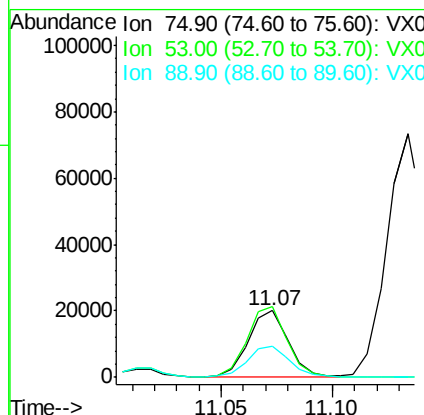
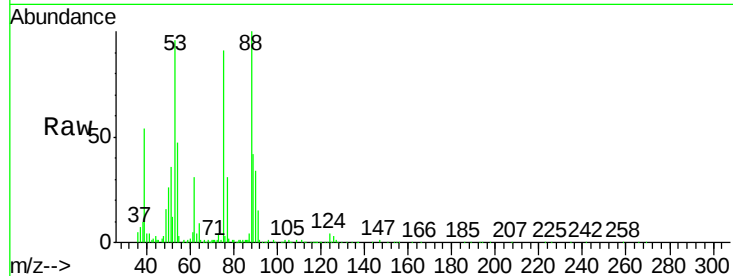
#81
trans-1,4-Dichloro-2-butene
Concen: 17.824 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.2	77.4	116.0
89	49.6	37.3	55.9

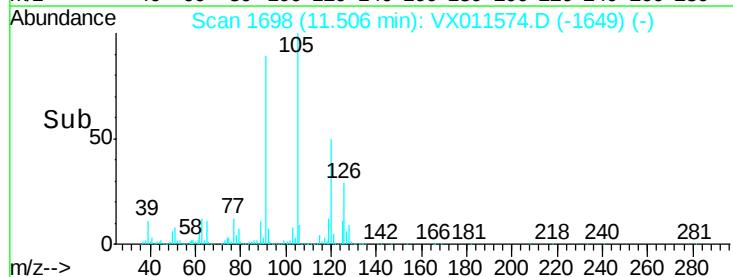
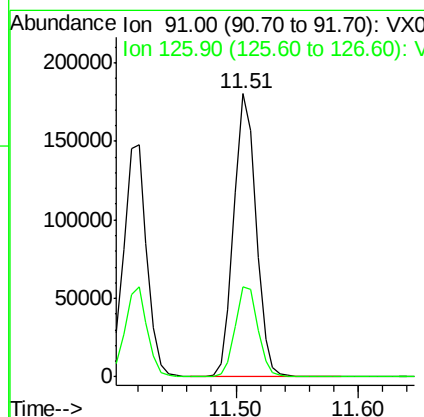
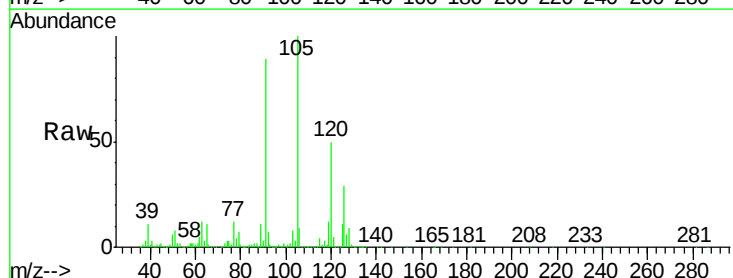
Manual Integrations
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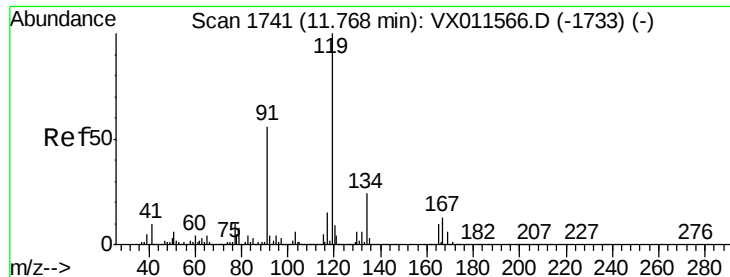
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#82
4-Chlorotoluene
Concen: 18.423 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.1





#83

tert-Butylbenzene

Concen: 18.449 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

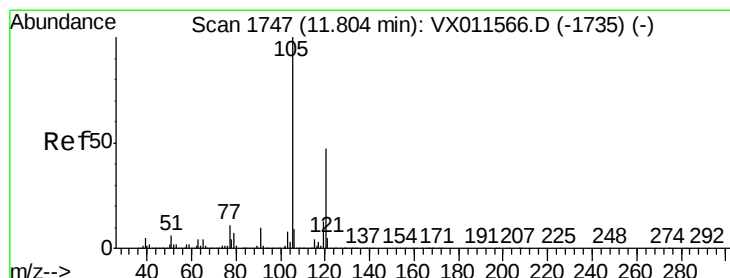
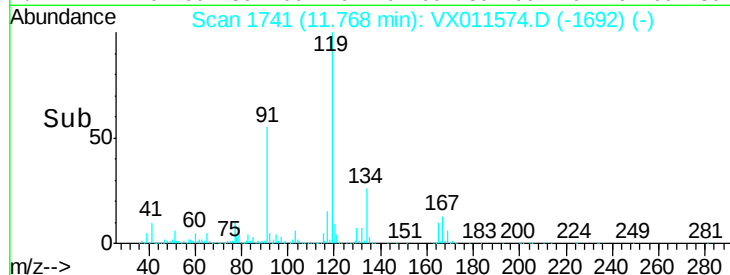
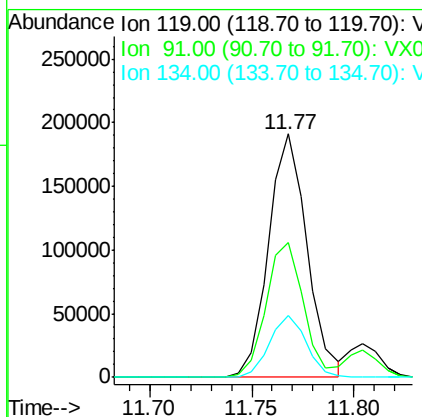
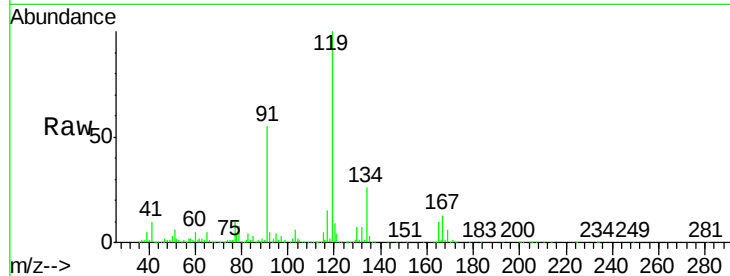
ClientSampled :

VX0816WBS01

Tot Ion:	119	Resp:	251442
Ion Ratio	Lower	Upper	
119	100		
91	54.7	27.1	81.3
134	24.3	11.8	35.3

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#84

1,2,4-Trimethylbenzene

Concen: 18.931 ug/l

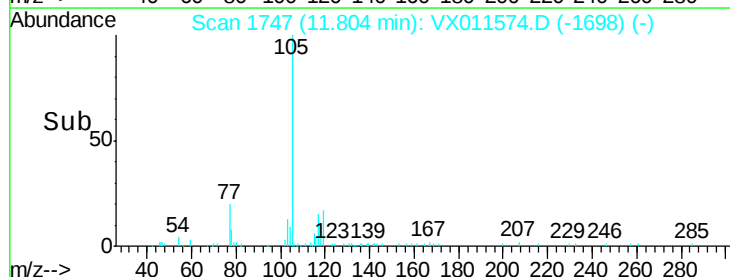
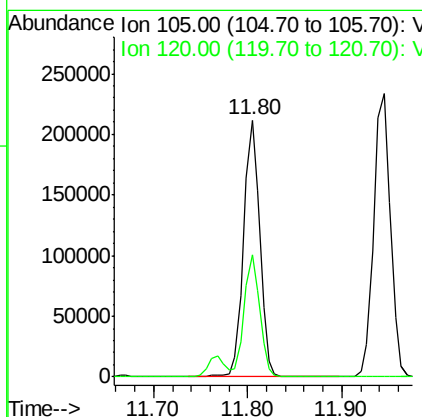
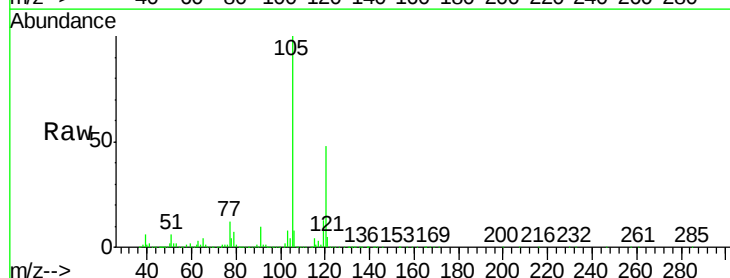
RT: 11.80 min Scan# 1747

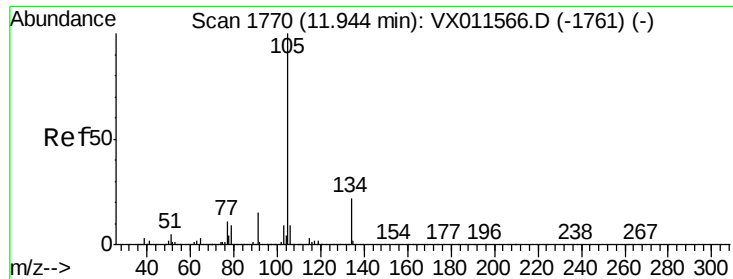
Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tgt Ion:	105	Resp:	254330
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.3	69.9





#85

sec-Butylbenzene

Concen: 18.692 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

ClientSampled :

VX0816WBS01

Tot Ion:105 Resp: 287420

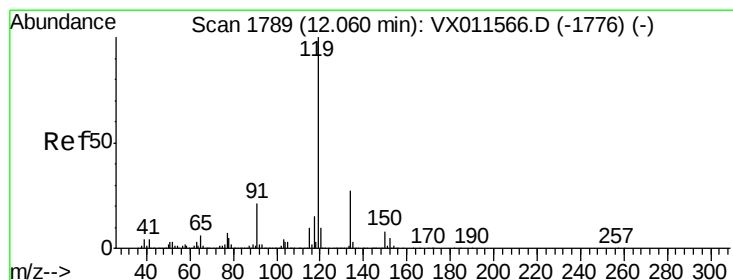
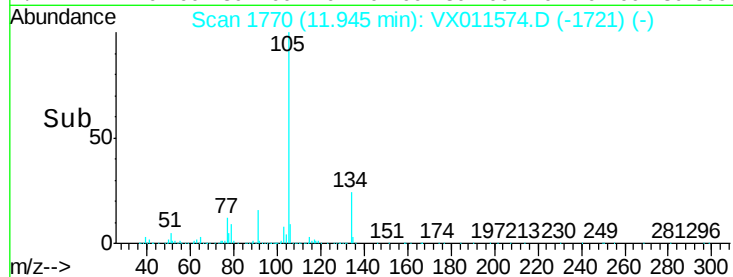
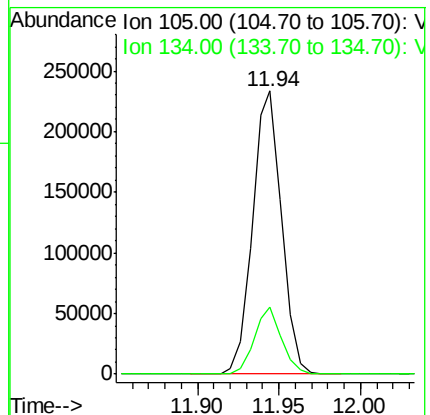
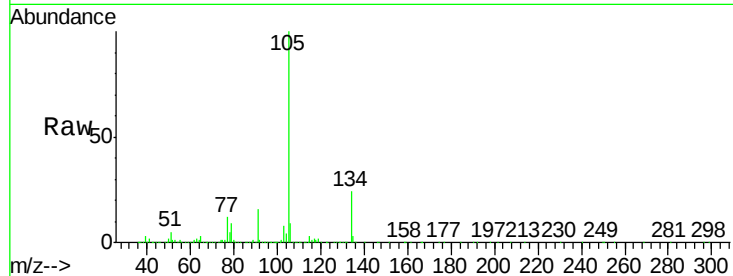
Ion Ratio Lower Upper

105 100

134 22.3 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 19.288 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

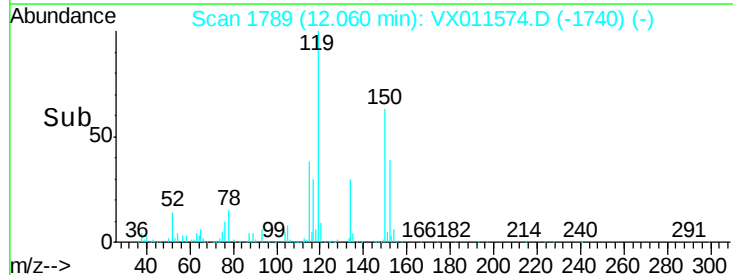
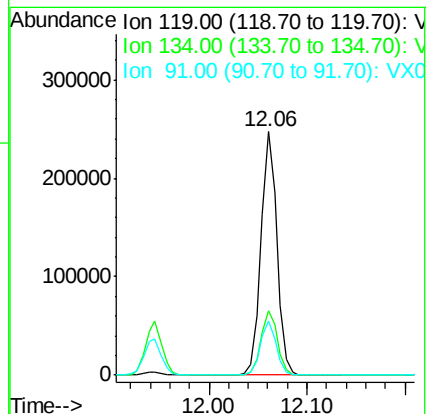
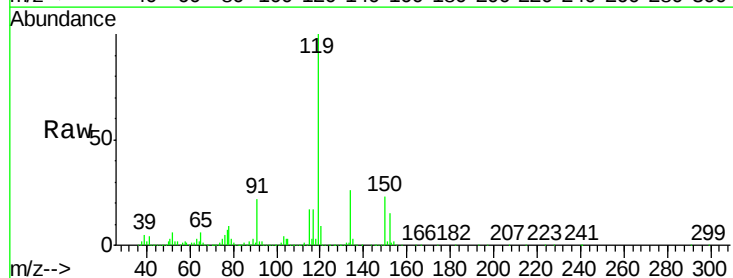
Tgt Ion:119 Resp: 279027

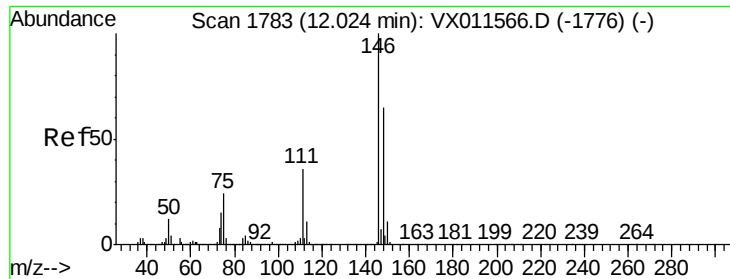
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 22.0 10.9 32.9





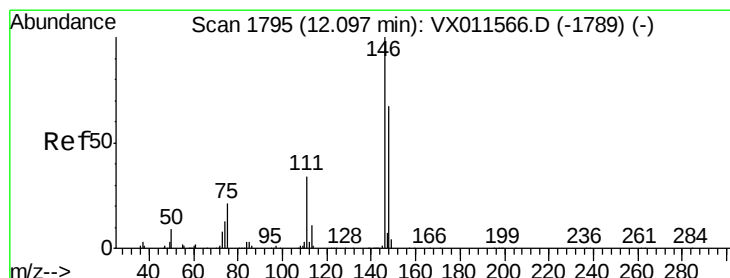
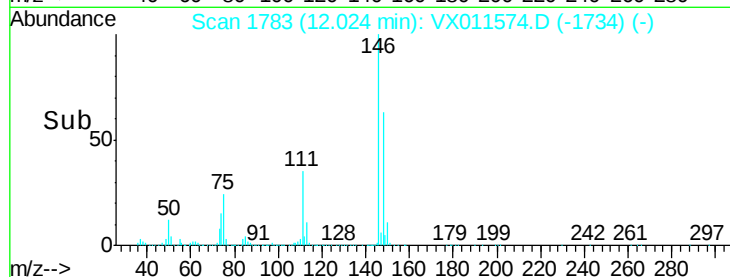
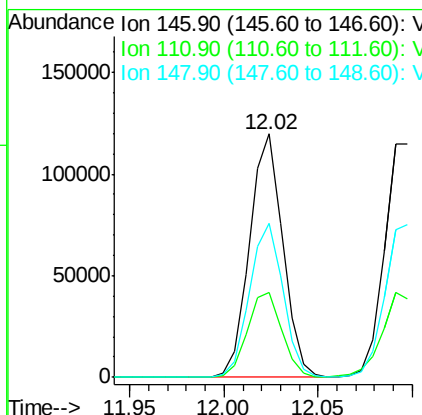
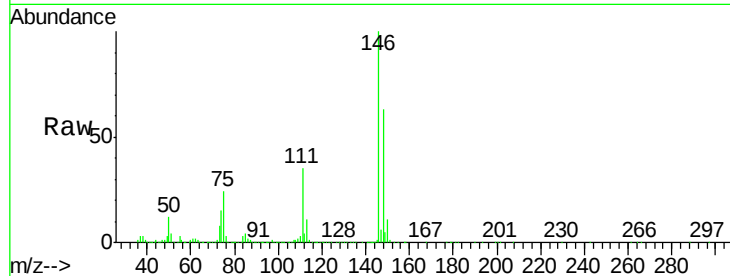
#87
 1,3-Dichlorobenzene
 Concen: 18.058 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011574.D
 Acq: 16 Aug 2019 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.4
148	63.8	32.0	96.0

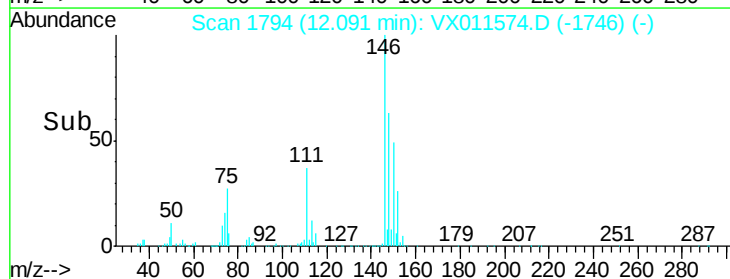
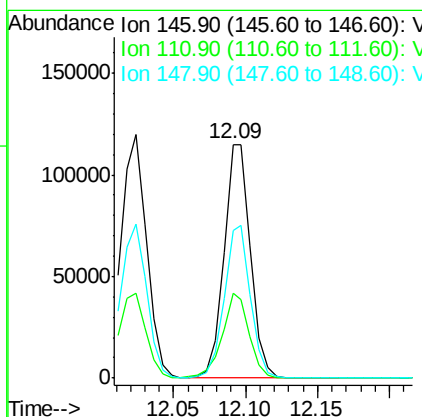
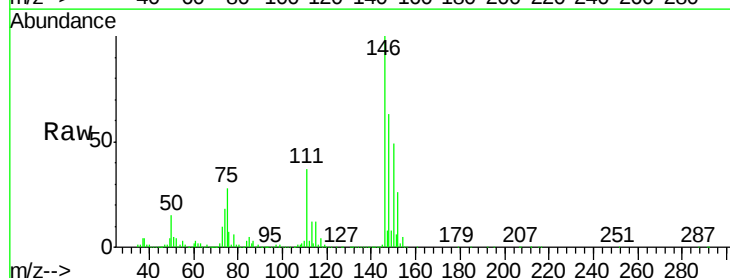
Manual Integrations
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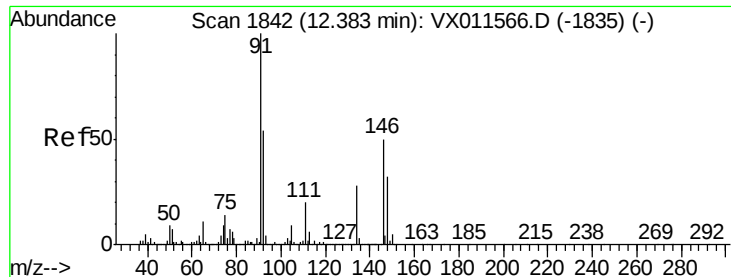
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#88
 1,4-Dichlorobenzene
 Concen: 17.946 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011574.D
 Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.9	53.7
148	64.6	32.5	97.5





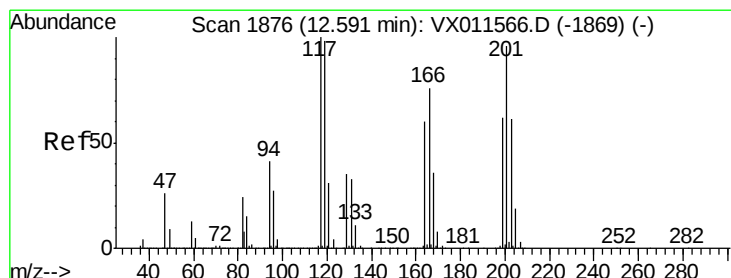
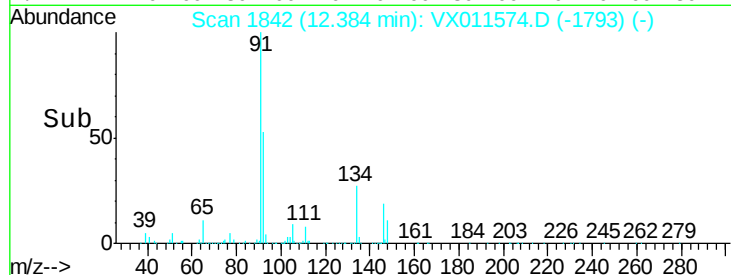
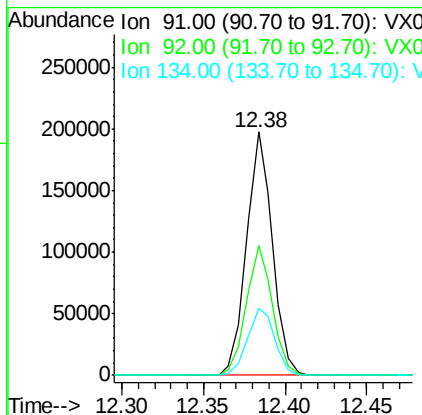
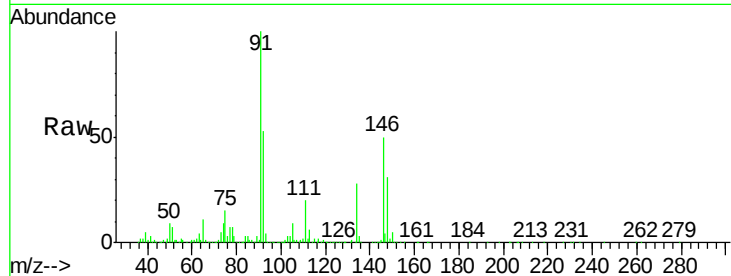
#89
n-Butylbenzene
Concen: 18.382 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	26.8	80.3	
134	29.1	14.6	44.0	

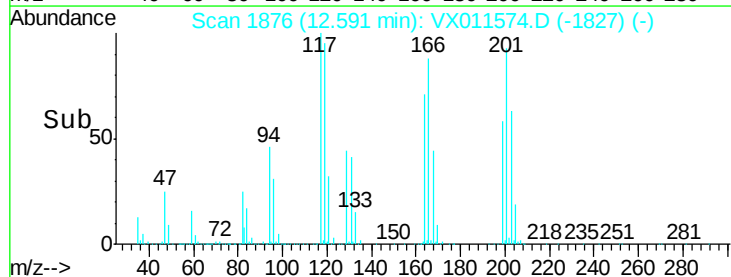
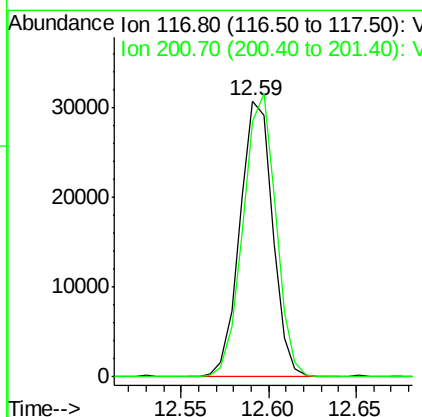
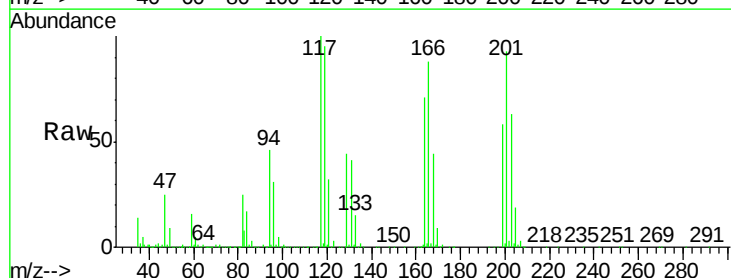
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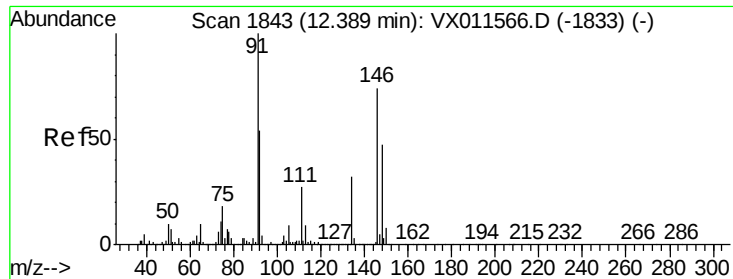
MMDadoda
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#90
Hexachloroethane
Concen: 17.615 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011574.D
Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	102.4	51.9	155.7	





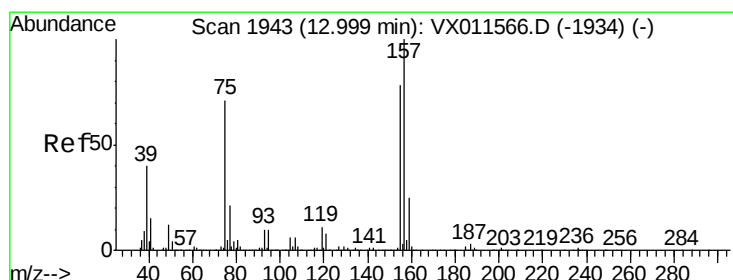
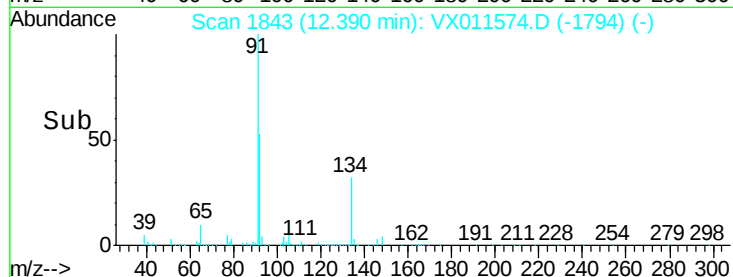
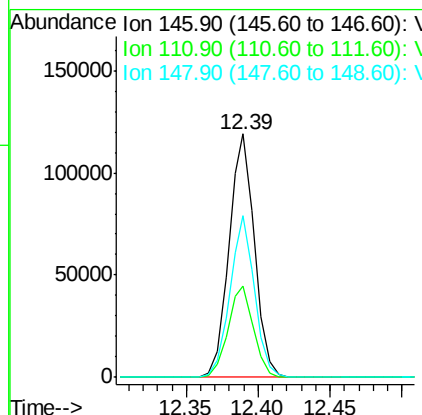
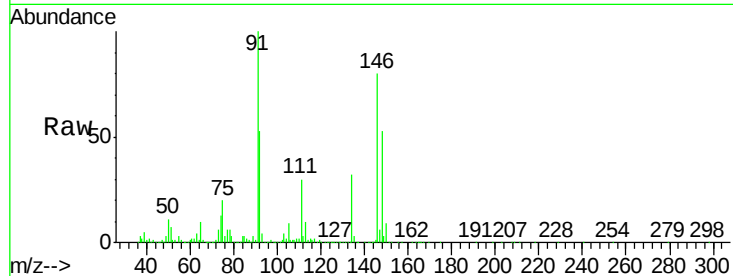
#91
 1,2-Dichlorobenzene
 Concen: 18.090 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011574.D
 Acq: 16 Aug 2019 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	147938		
111	37.8	18.9	56.7	
148	64.3	31.9	95.9	

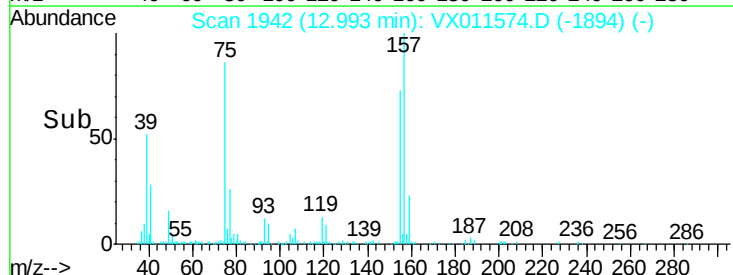
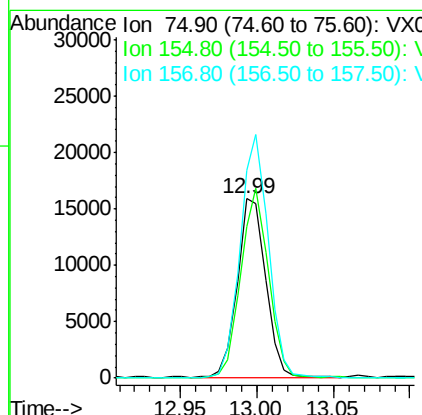
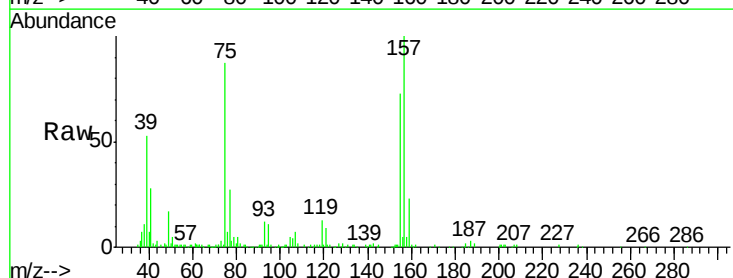
Manual Integrations
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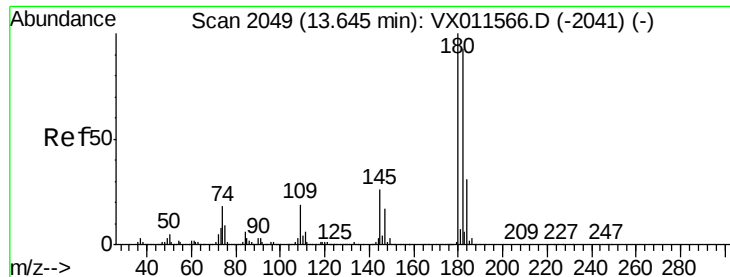
MMDadoda
 8/19/2019 10:29:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.187 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011574.D
 Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20294		
155	104.9	53.0	159.0	
157	136.8	68.3	205.1	





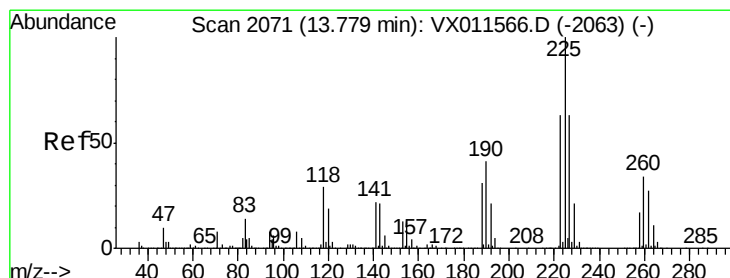
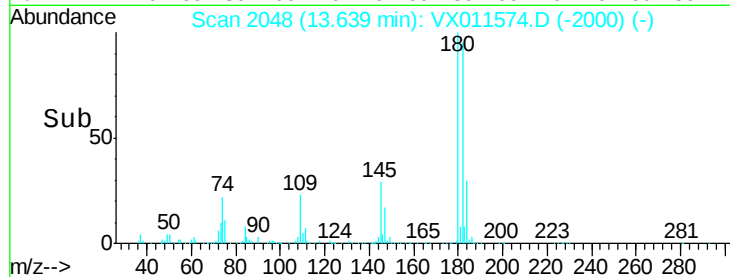
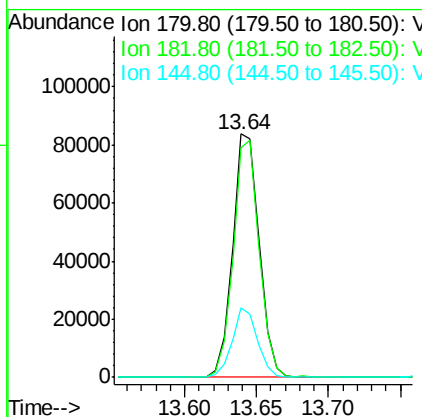
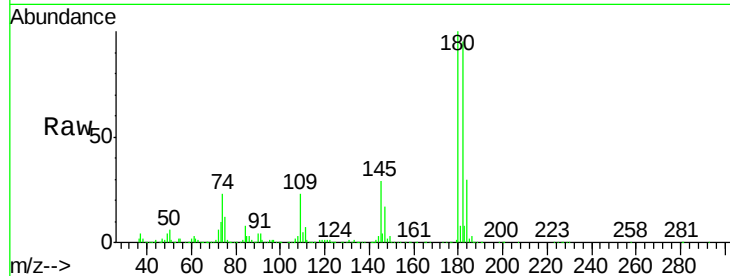
#93
 1,2,4-Trichlorobenzene
 Concen: 17.786 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011574.D
 Acq: 16 Aug 2019 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	108377		
182	95.3	47.3	142.0	
145	27.4	13.6	40.8	

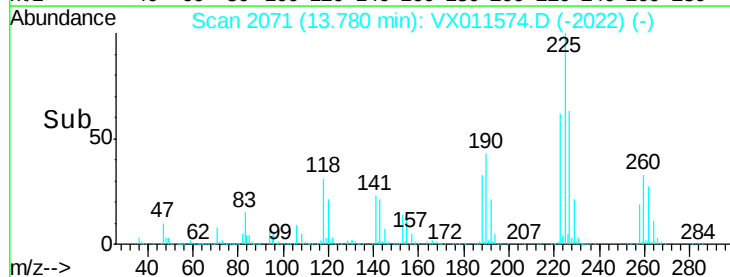
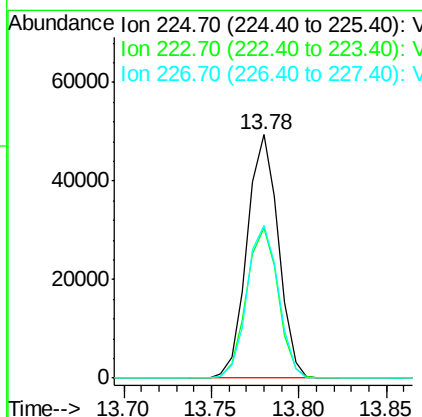
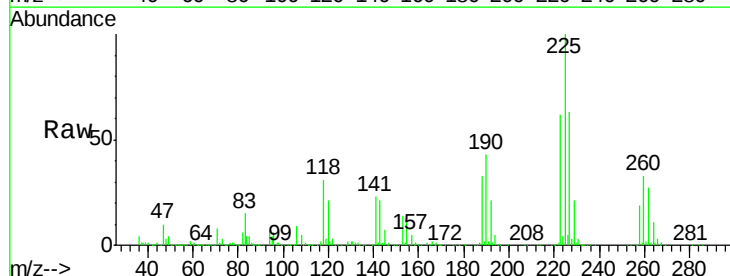
Manual Integrations
 APPROVED

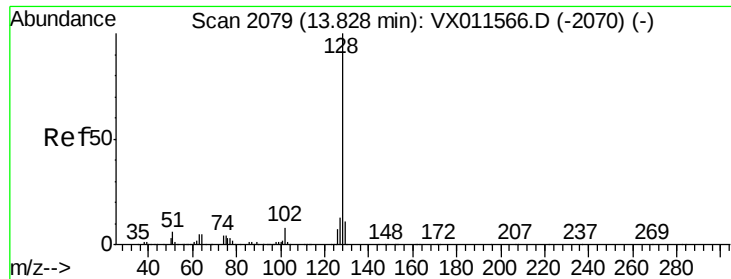
MMDadoda
 8/19/2019 10:29:49 AM



#94
 Hexachlorobutadiene
 Concen: 18.534 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011574.D
 Acq: 16 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61493		
223	62.4	31.4	94.0	
227	63.0	31.2	93.6	





#95

Naphthalene

Concen: 17.479 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Instrument :

MSVOA_X

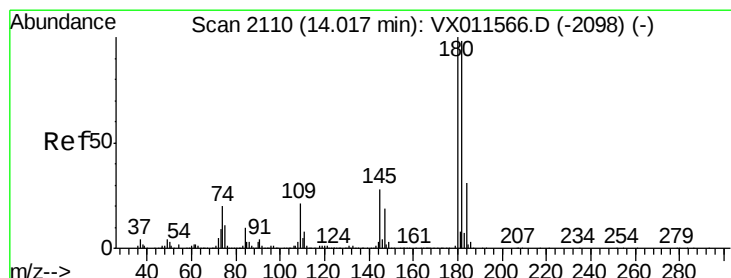
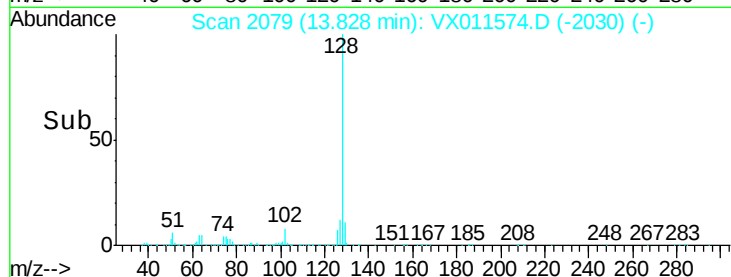
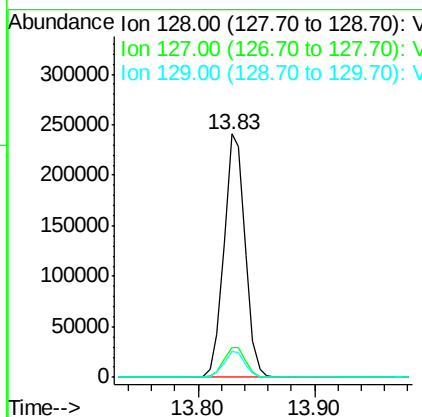
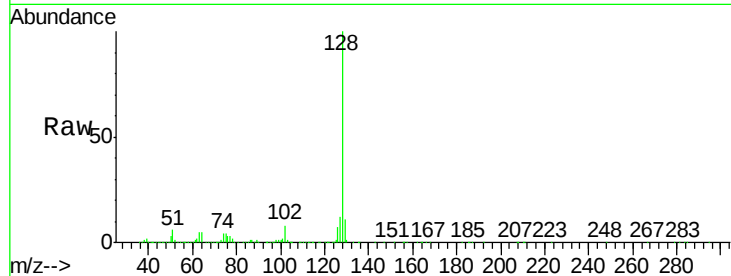
ClientSampleId :

VX0816WBS01

Tot Ion:	128	Resp:	301084
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:29:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.671 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011574.D

Acq: 16 Aug 2019 12:29

Tgt Ion:	180	Resp:	108604
Ion Ratio	Lower	Upper	
180	100		
182	97.7	48.0	144.0
145	29.8	14.6	43.8

