

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050818\
 Data File : VX001507.D
 Acq On : 08 May 2018 12:13
 Operator : JC/MD
 Sample : VX0508WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:11:32 PM

Quant Time: May 08 14:14:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	334645	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	227563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	188624	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	5.51	113	152092	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	8.72	98	553957	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.14	95	211433	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	72708	21.19	ug/l	99
3) Chloromethane	1.32	50	71520	21.40	ug/l	99
4) Vinyl Chloride	1.40	62	71729	20.57	ug/l	98
5) Bromomethane	1.64	94	46634	27.68	ug/l	99
6) Chloroethane	1.73	64	45504	19.74	ug/l	96
7) Trichlorofluoromethane	1.93	101	110345	21.03	ug/l	98
8) Diethyl Ether	2.19	74	42504	20.66	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	63682	20.70	ug/l	99
10) Methyl Iodide	2.51	142	77502	17.46	ug/l	98
11) Tert butyl alcohol	3.07	59	68050	88.11	ug/l	99
12) 1,1-Dichloroethene	2.38	96	58129	20.61	ug/l	97
13) Acrolein	2.29	56	14468	87.44	ug/l	96
14) Allyl chloride	2.73	41	107587	20.46	ug/l	99
15) Acrylonitrile	3.15	53	165148	94.63	ug/l	100
16) Acetone	2.45	43	158219	95.12	ug/l	99
17) Carbon Disulfide	2.57	76	136526	19.02	ug/l	100
18) Methyl Acetate	2.78	43	87499	20.02	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	204381	20.81	ug/l	100
20) Methylene Chloride	2.86	84	65032	19.75	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	62371	19.82	ug/l	98
22) Diisopropyl ether	3.88	45	199438	20.30	ug/l	100
23) Vinyl Acetate	3.83	43	830494	101.43	ug/l	100
24) 1,1-Dichloroethane	3.70	63	114566	20.88	ug/l	100
25) 2-Butanone	4.71	43	227875	94.77	ug/l	100
26) 2,2-Dichloropropane	4.59	77	94788	22.37	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	68117	20.32	ug/l	99
28) Bromochloromethane	5.03	49	51723	21.74	ug/l	99
29) Tetrahydrofuran	5.17	42	144104	93.67	ug/l	99
30) Chloroform	5.22	83	118913	21.03	ug/l	98
31) Cyclohexane	5.58	56	95038	20.16	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	105384	21.33	ug/l	99
36) 1,1-Dichloropropene	5.81	75	85174	20.01	ug/l	99
37) Ethyl Acetate	4.87	43	87546	18.76	ug/l	99
38) Carbon Tetrachloride	5.79	117	93257	20.54	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	100154	19.90	ug/l	96
40) Benzene	6.15	78	256242	20.61	ug/l	100
41) Methacrylonitrile	5.07	41	51258	19.20	ug/l	99
42) 1,2-Dichloroethane	6.20	62	99927	20.91	ug/l	100
43) Isopropyl Acetate	6.48	43	144960	20.24	ug/l	99
44) Trichloroethene	7.22	130	78814	20.74	ug/l	98
45) 1,2-Dichloropropane	7.52	63	62320	20.11	ug/l	97
46) Dibromomethane	7.67	93	45146	20.57	ug/l	99
47) Bromodichloromethane	7.90	83	83946	20.67	ug/l	98
48) Methyl methacrylate	7.79	41	77931	19.98	ug/l	99
49) 1,4-Dioxane	7.76	88	27481	326.11	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	476292	100.06	ug/l	99
52) Toluene	8.79	92	168594	20.74	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	98167	21.39	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	87807	19.93	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	65668	20.05	ug/l	97
56) Ethyl methacrylate	9.19	69	94445	20.00	ug/l	100
57) 1,3-Dichloropropane	9.38	76	109219	20.17	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	254210	109.78	ug/l	100
59) 2-Hexanone	9.50	43	351167	96.34	ug/l	99
60) Dibromochloromethane	9.59	129	66975	19.97	ug/l	99
61) 1,2-Dibromoethane	9.68	107	70231	20.42	ug/l	100
64) Tetrachloroethene	9.34	164	91365	20.70	ug/l	98
65) Chlorobenzene	10.14	112	190452	20.51	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	69006	20.77	ug/l	99
67) Ethyl Benzene	10.26	91	313108	20.57	ug/l	100
68) m/p-Xylenes	10.37	106	251851	41.87	ug/l	100
69) o-Xylene	10.70	106	120474	20.61	ug/l	97
70) Styrene	10.72	104	199716	21.03	ug/l	99
71) Bromoform	10.87	173	52421	18.81	ug/l #	98
73) Isopropylbenzene	11.02	105	328758	20.87	ug/l	100
74) N-amyl acetate	6.48	43	144960	20.26	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	92011	19.78	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	94814m	20.54	ug/l	
77) Bromobenzene	11.26	156	93772	20.47	ug/l	98
78) n-propylbenzene	11.37	91	369135	21.52	ug/l	99
79) 2-Chlorotoluene	11.43	91	218697	20.72	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	274235	20.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	23552	19.16	ug/l	91
82) 4-Chlorotoluene	11.52	91	260069	21.35	ug/l	99
83) tert-Butylbenzene	11.77	119	266995	20.46	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	283213	21.01	ug/l	100
85) sec-Butylbenzene	11.95	105	333881	21.31	ug/l	99
86) p-Isopropyltoluene	12.07	119	306271	21.31	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	170556	20.83	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	173008	20.72	ug/l	99
89) n-Butylbenzene	12.40	91	257063	21.59	ug/l	100
90) Hexachloroethane	12.60	117	43188	19.96	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	169325	20.33	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19987	19.55	ug/l	98

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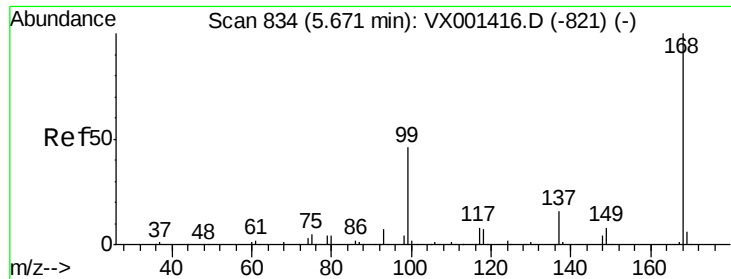
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	129302	21.21	ug/l	99
94) Hexachlorobutadiene	13.79	225	69269	20.77	ug/l	100
95) Naphthalene	13.84	128	356461	21.15	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	130140	20.81	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS01

Tot Ion:168 Resp: 254866

Ion Ratio Lower Upper

168 100

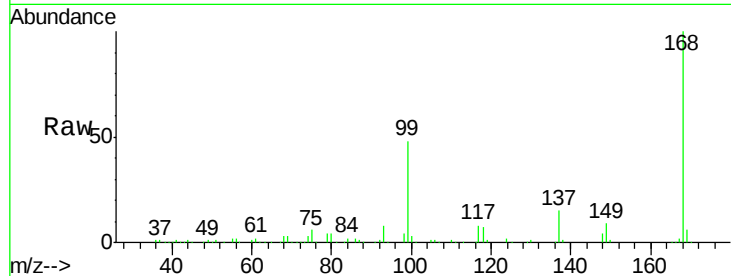
99 47.8 36.6 54.8

Manual Integrations

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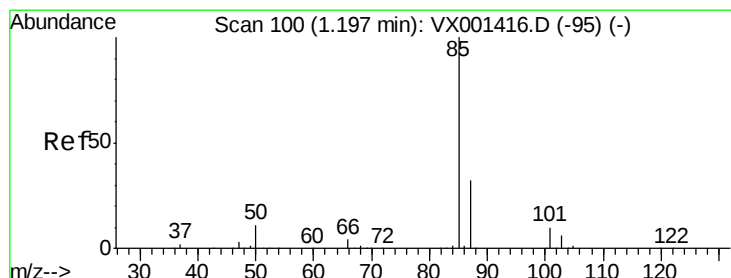
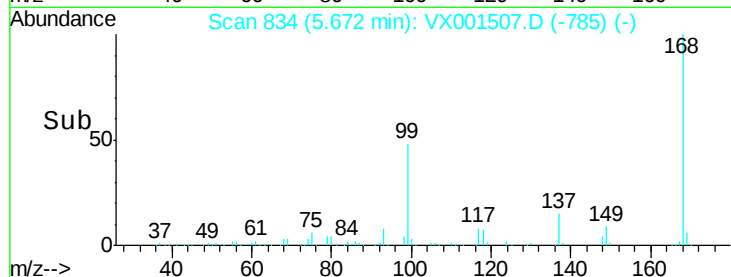
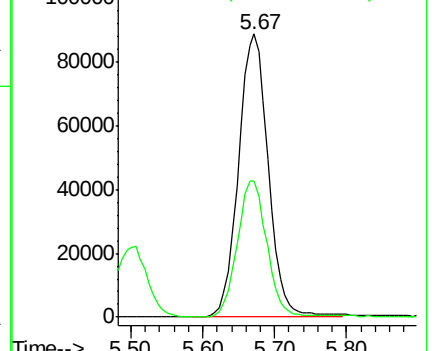
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.19 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001507.D

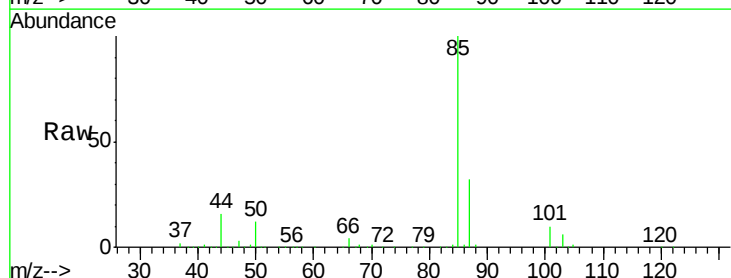
Acq: 08 May 2018 12:13

Tgt Ion: 85 Resp: 72708

Ion Ratio Lower Upper

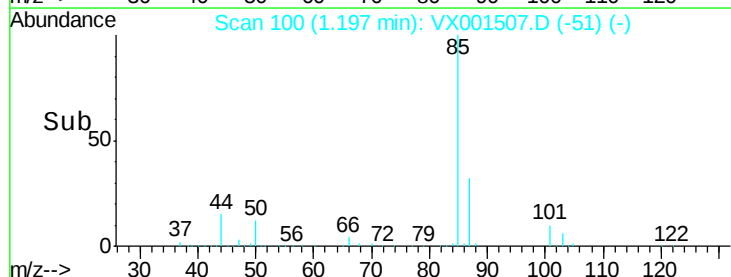
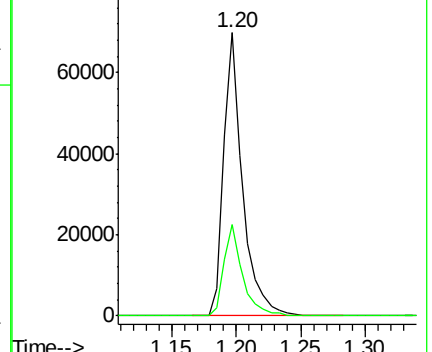
85 100

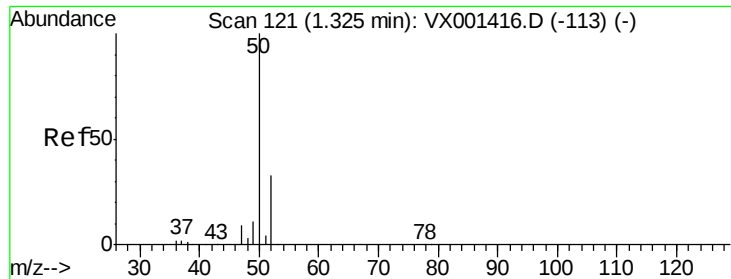
87 32.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS01

Tot Ion: 50 Resp: 71520

Ion Ratio Lower Upper

50 100

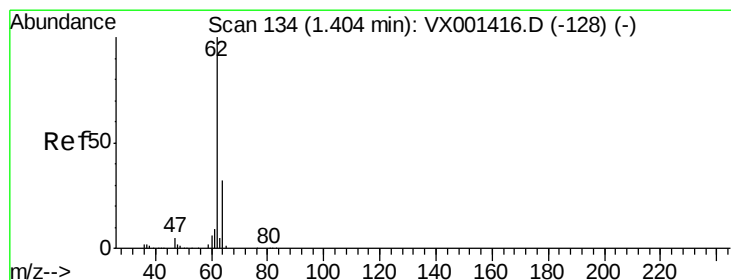
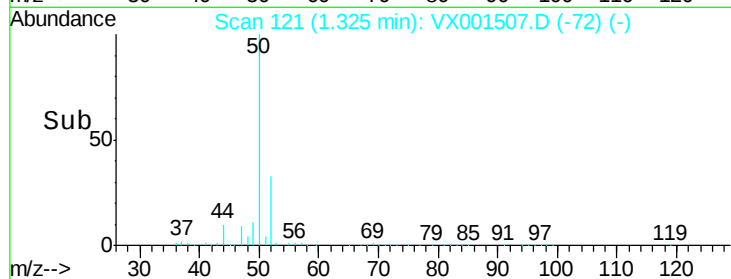
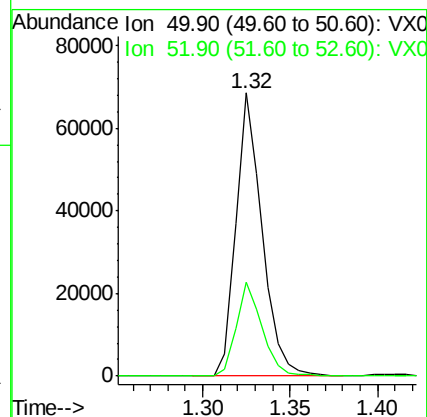
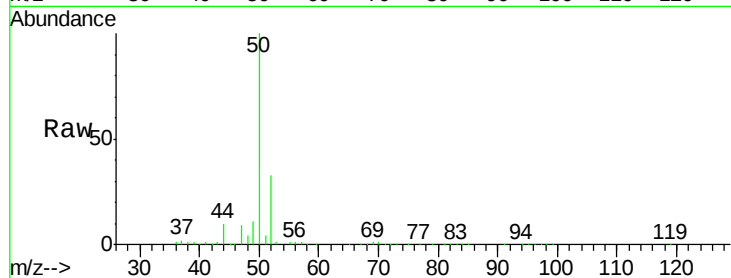
52 33.1 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.57 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001507.D

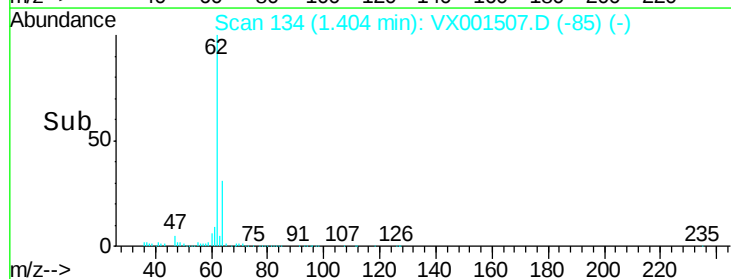
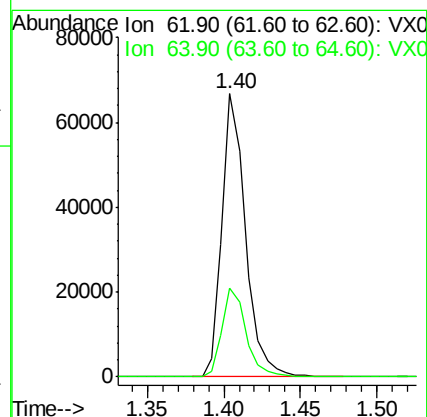
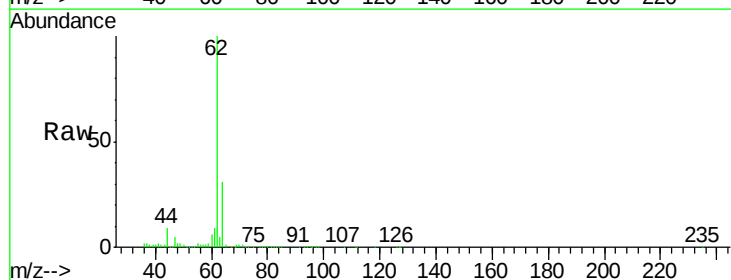
Acq: 08 May 2018 12:13

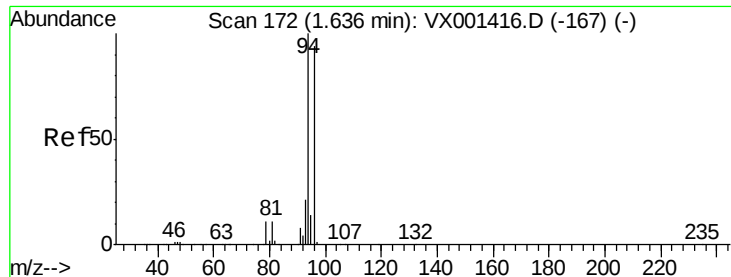
Tgt Ion: 62 Resp: 71729

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.6





#5

Bromomethane

Concen: 27.68 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS01

Tot Ion: 94 Resp: 46634

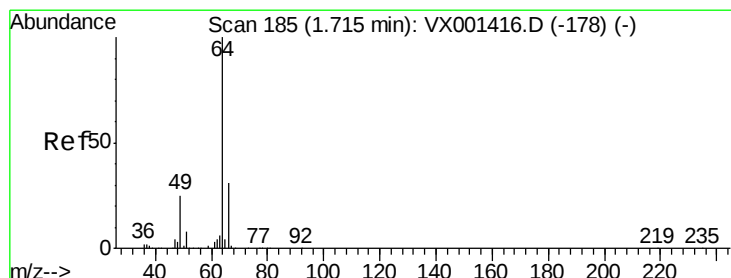
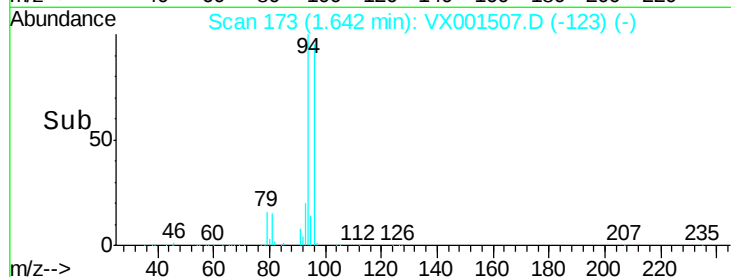
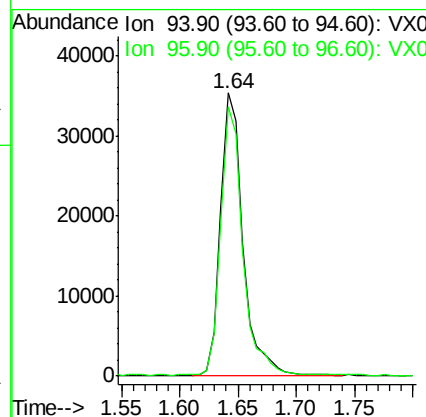
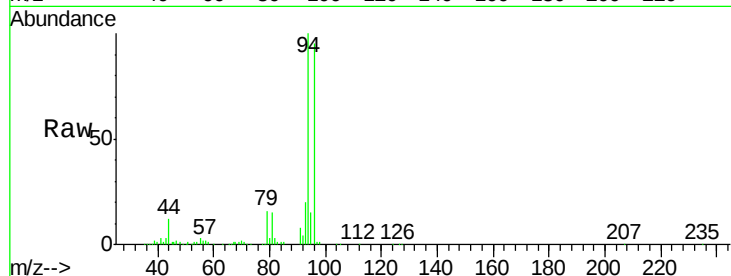
Ion Ratio Lower Upper

94 100

96 94.6 75.0 112.6

Manual Integrations
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#6

Chloroethane

Concen: 19.74 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001507.D

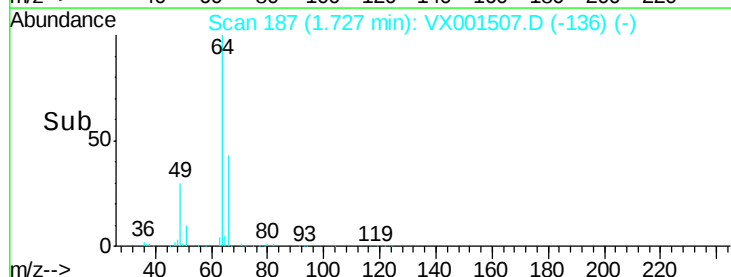
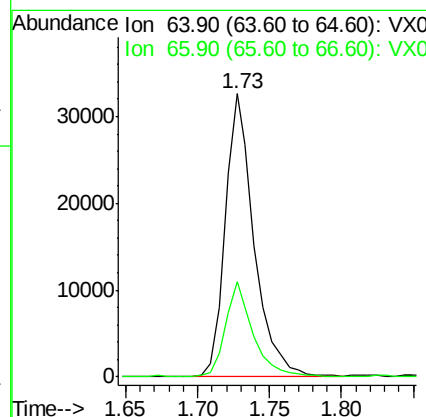
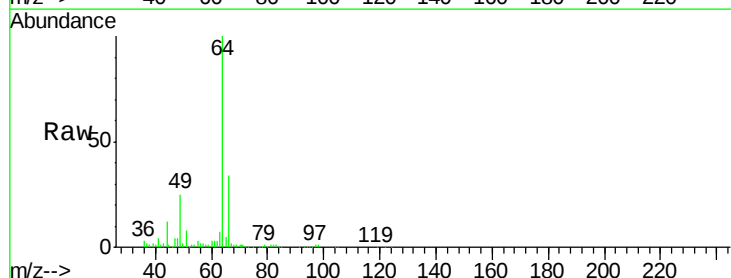
Acq: 08 May 2018 12:13

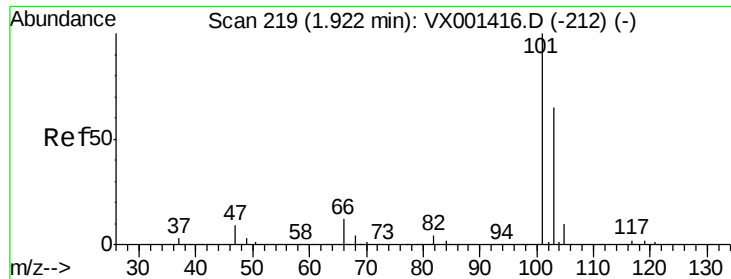
Tgt Ion: 64 Resp: 45504

Ion Ratio Lower Upper

64 100

66 33.5 25.1 37.7





#7

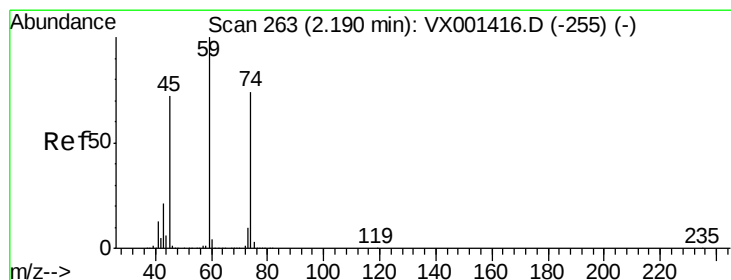
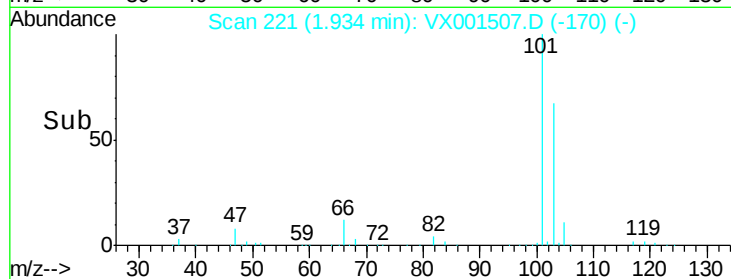
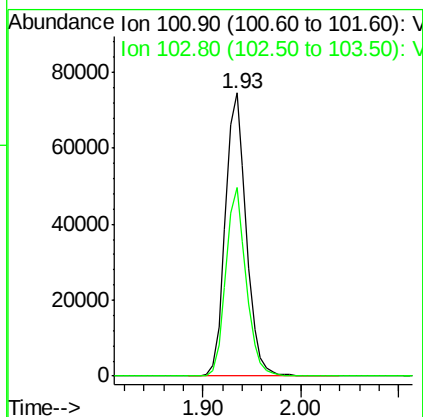
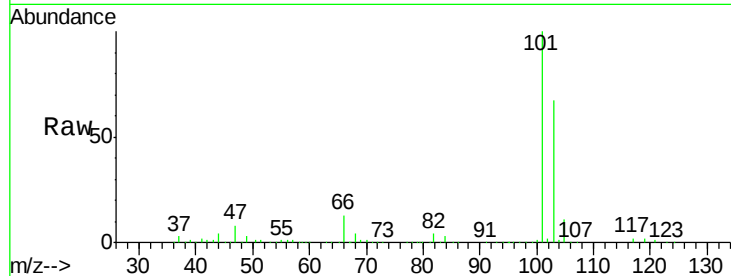
Trichlorofluoromethane
Concen: 21.03 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

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ClientSampleId :
VX0508WBS01

Tot Ion:101 Resp: 110345
Ion Ratio Lower Upper
101 100
103 66.5 52.0 78.0

Manual Integrations
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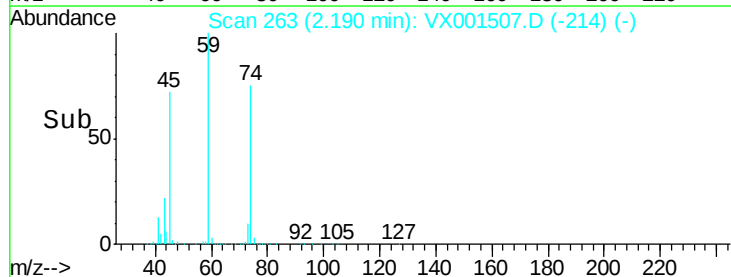
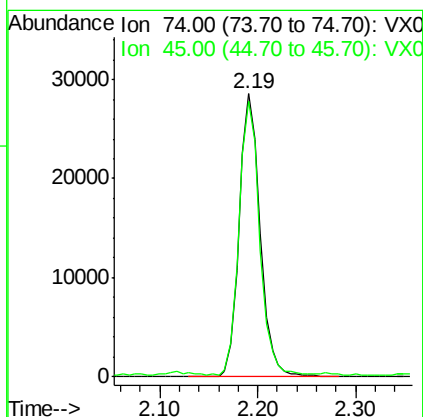
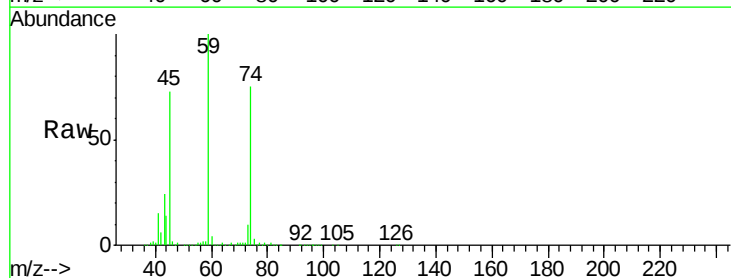
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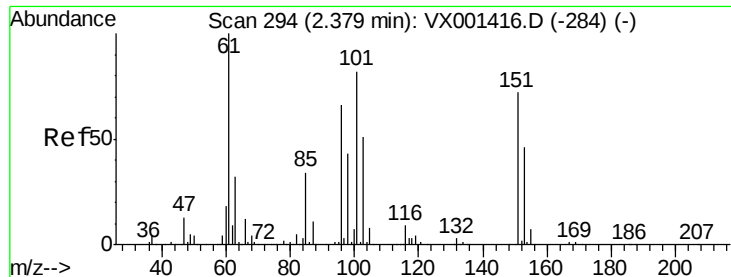


#8

Diethyl Ether
Concen: 20.66 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion: 74 Resp: 42504
Ion Ratio Lower Upper
74 100
45 95.2 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.70 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

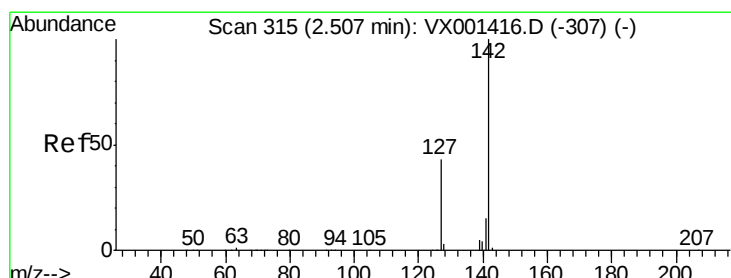
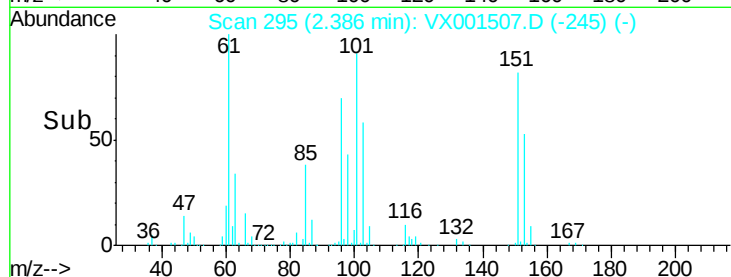
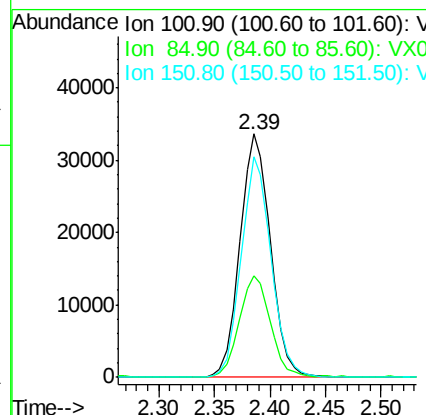
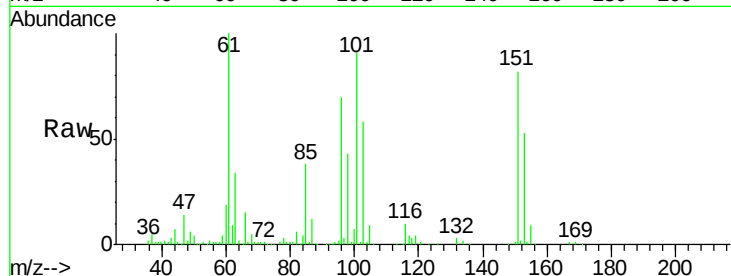
ClientSampleId :

VX0508WBS01

Tot Ion:	101	Resp:	63682
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.7	50.5
151	89.4	72.3	108.5

Manual Integrations
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#10

Methyl Iodide

Concen: 17.46 ug/l

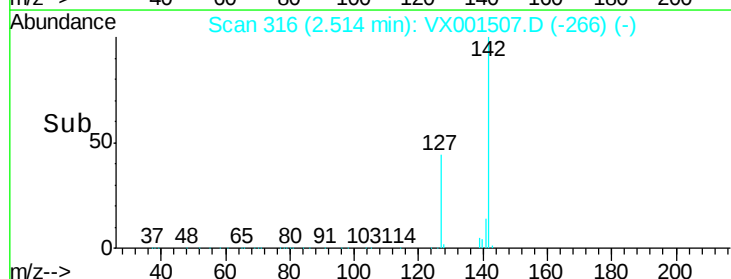
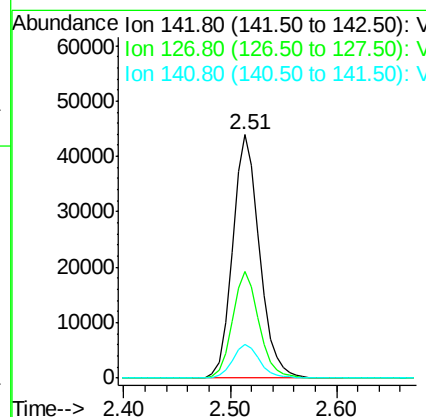
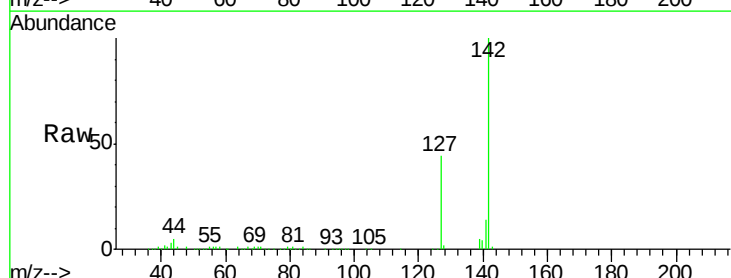
RT: 2.51 min Scan# 316

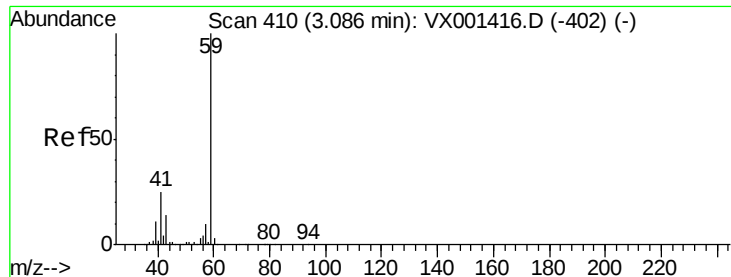
Delta R.T. 0.01 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Tgt Ion:	142	Resp:	77502
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.6	50.4
141	14.0	11.4	17.2





#11

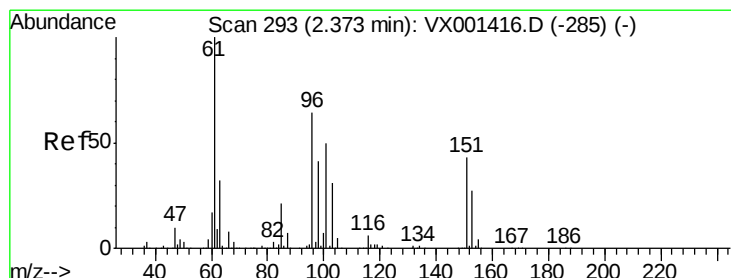
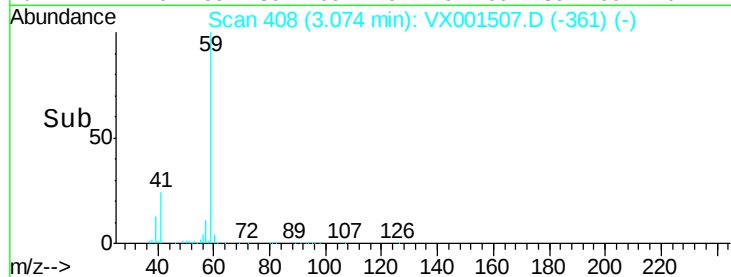
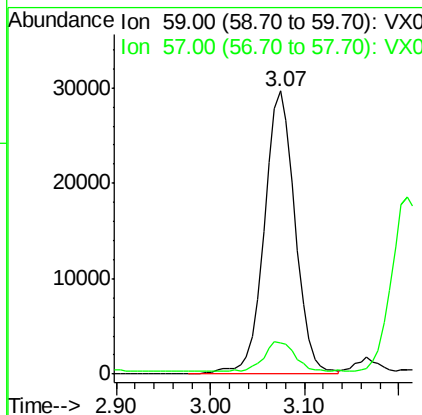
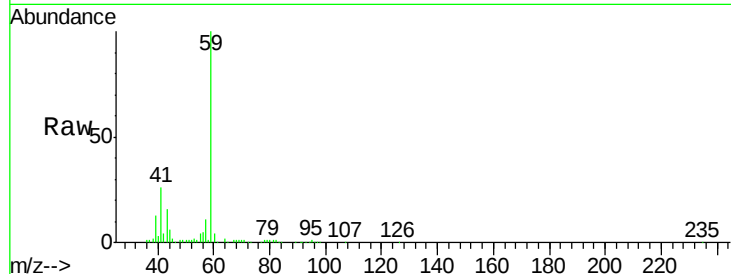
Tert butyl alcohol
Concen: 88.11 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion: 59 Resp: 68050
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

Manual Integrations
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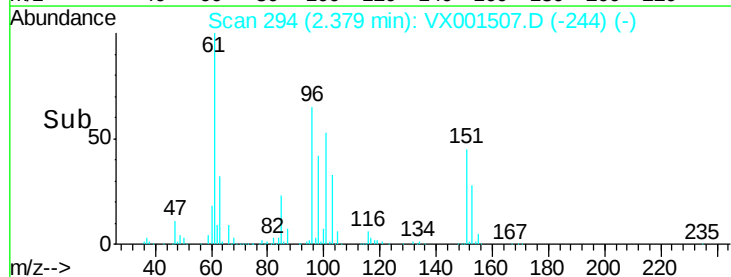
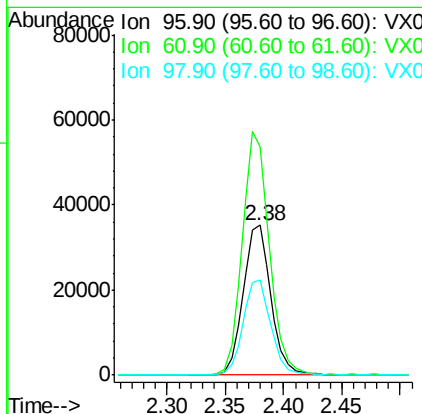
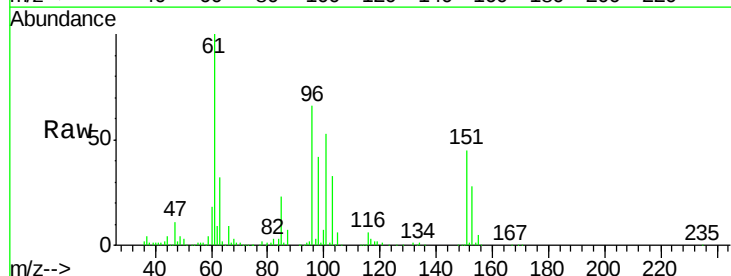
MMDadoda
5/10/2018 1:11:32 PM

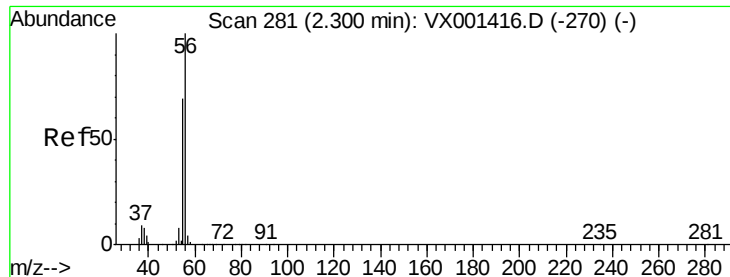


#12

1,1-Dichloroethene
Concen: 20.61 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion: 96 Resp: 58129
Ion Ratio Lower Upper
96 100
61 152.8 125.7 188.5
98 63.6 52.0 78.0





#13

Acrolein

Concen: 87.44 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS01

Tot Ion: 56 Resp: 14468

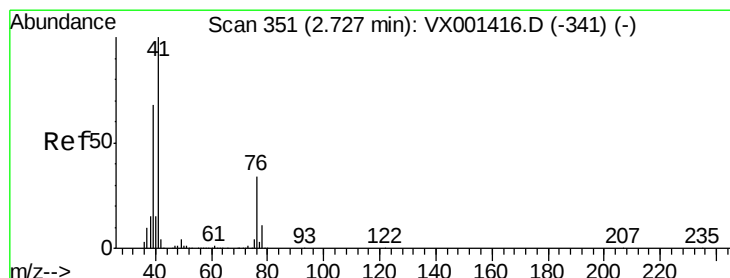
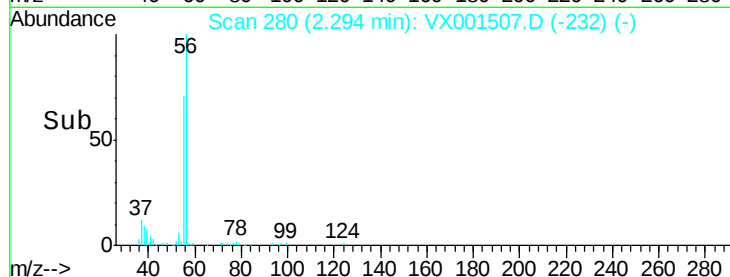
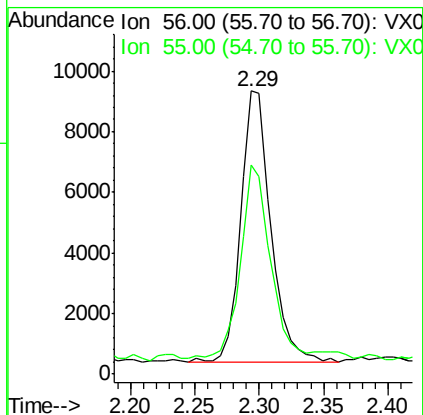
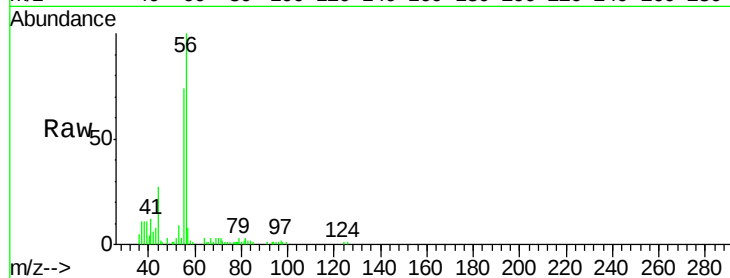
Ion Ratio Lower Upper

56 100

55 71.4 54.5 81.7

Manual Integrations
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#14

Allyl chloride

Concen: 20.46 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

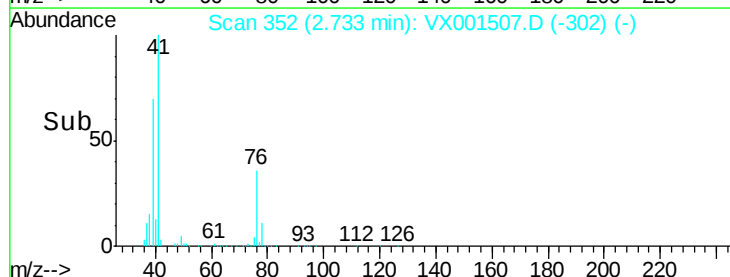
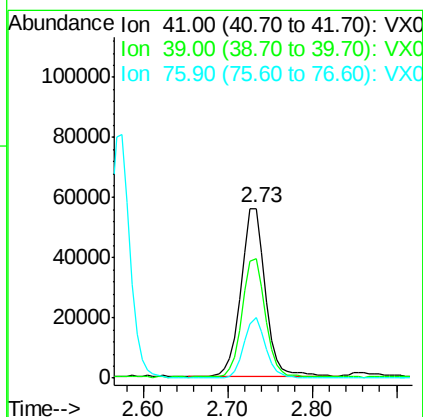
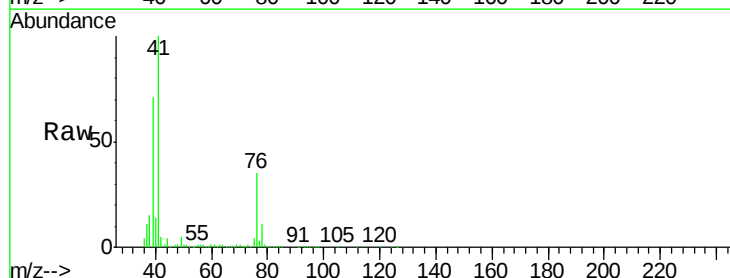
Tgt Ion: 41 Resp: 107587

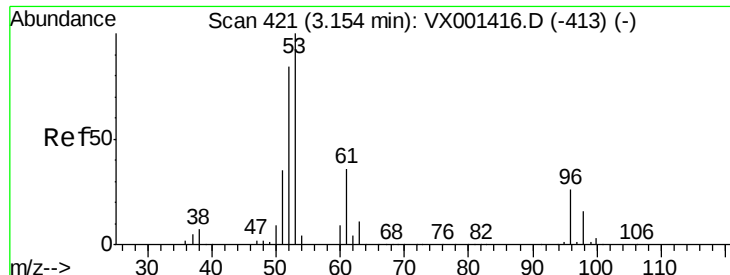
Ion Ratio Lower Upper

41 100

39 66.9 52.4 78.6

76 32.1 25.8 38.6





#15

Acrylonitrile

Concen: 94.63 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

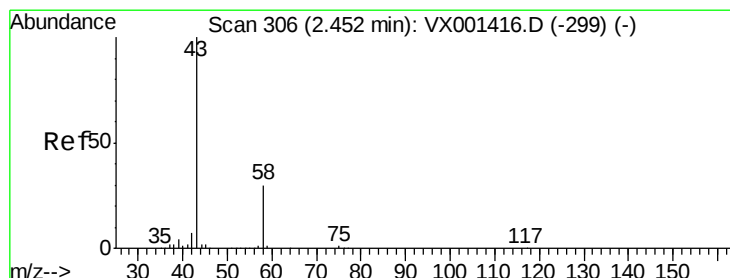
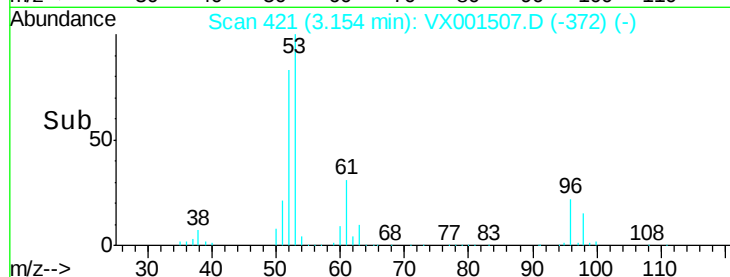
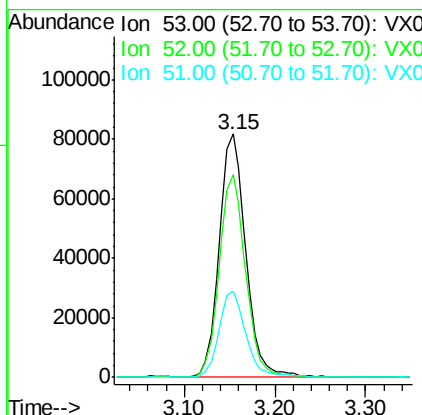
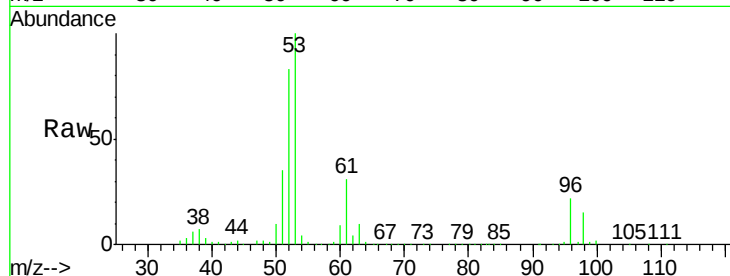
ClientSampled :

VX0508WBS01

Tot Ion:	53	Resp:	165148
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.2	99.2
51	35.9	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 95.12 ug/l

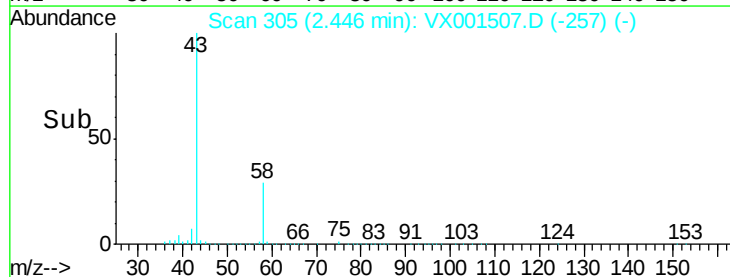
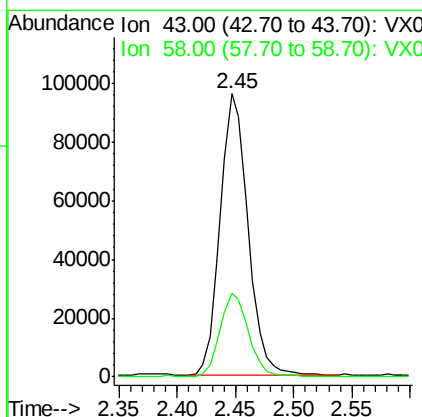
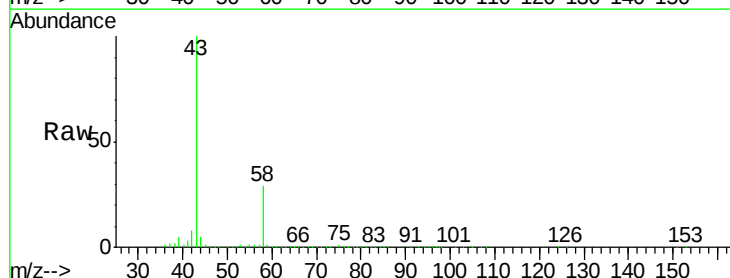
RT: 2.45 min Scan# 305

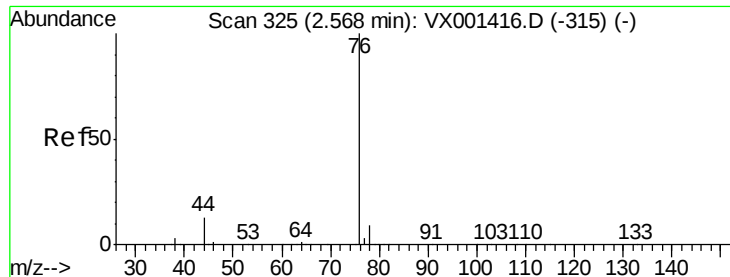
Delta R.T. -0.01 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Tgt Ion:	43	Resp:	158219
Ion Ratio	Lower	Upper	
43	100		
58	29.4	23.8	35.8





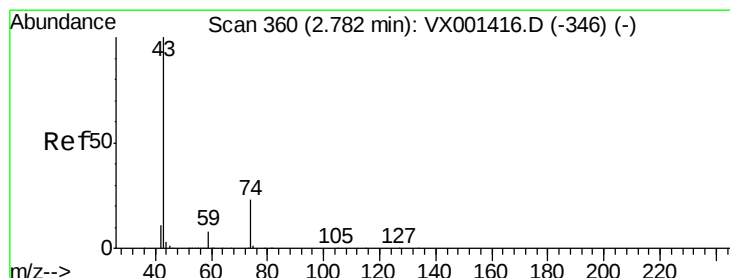
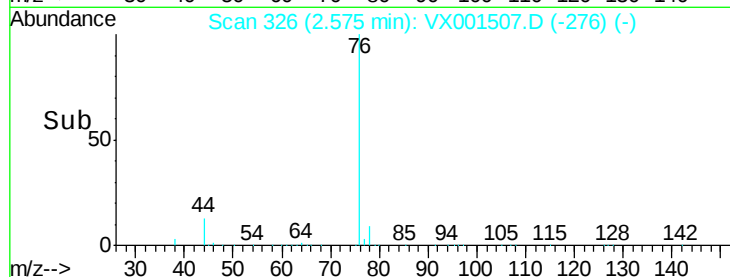
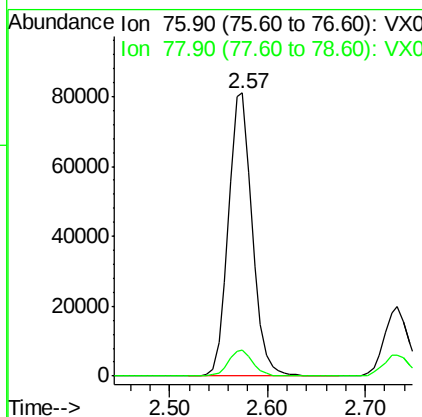
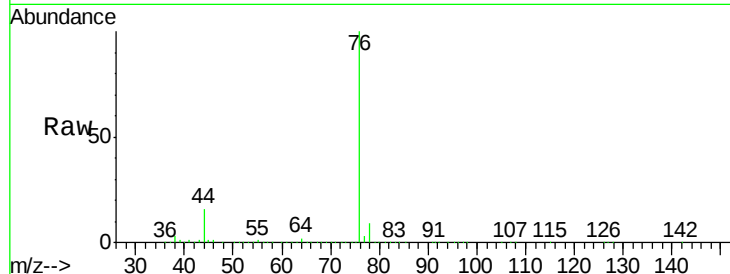
#17
Carbon Disulfide
Concen: 19.02 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

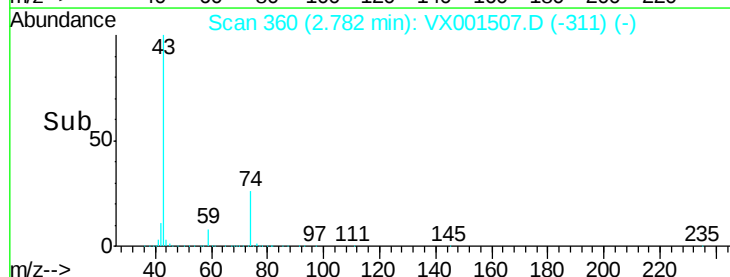
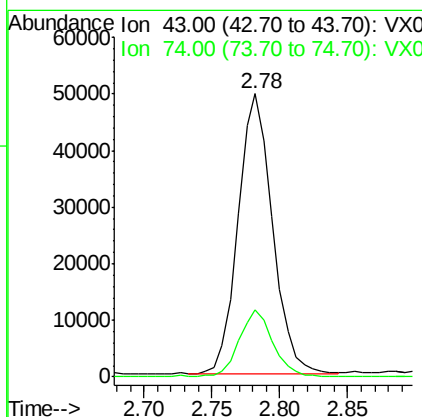
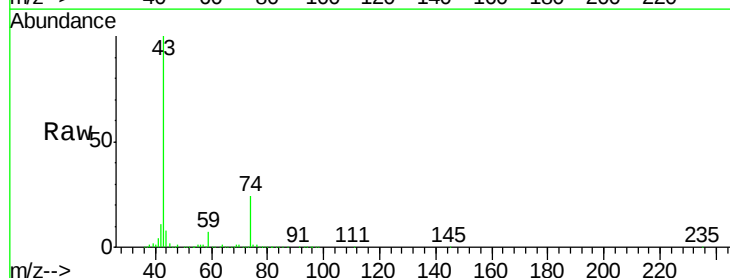
Manual Integrations
APPROVED

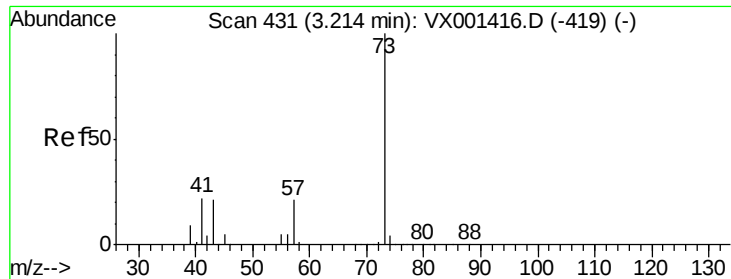
MMDadoda
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#18
Methyl Acetate
Concen: 20.02 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.6	27.8





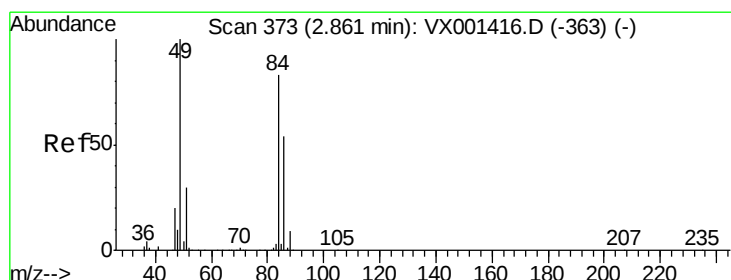
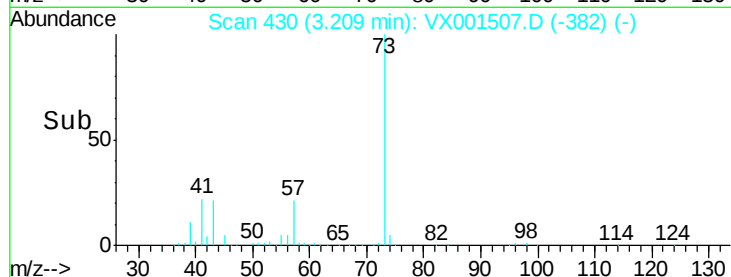
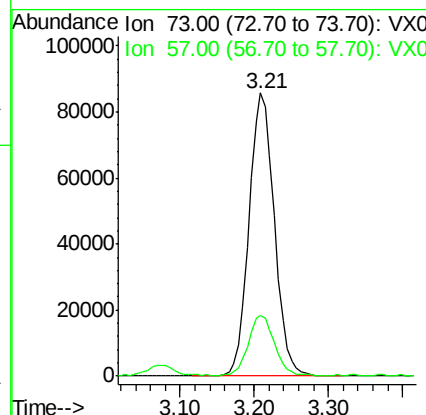
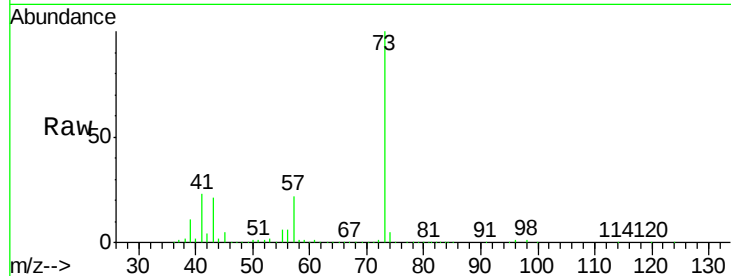
#19
Methyl tert-butyl Ether
Concen: 20.81 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.0	25.6

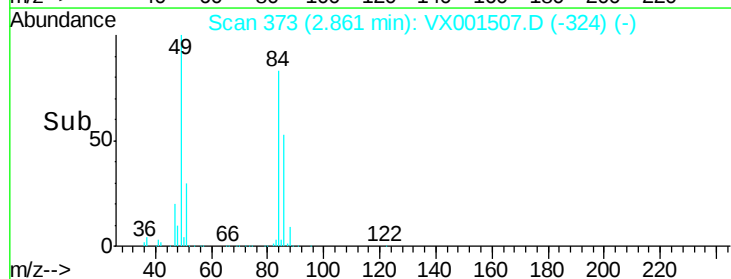
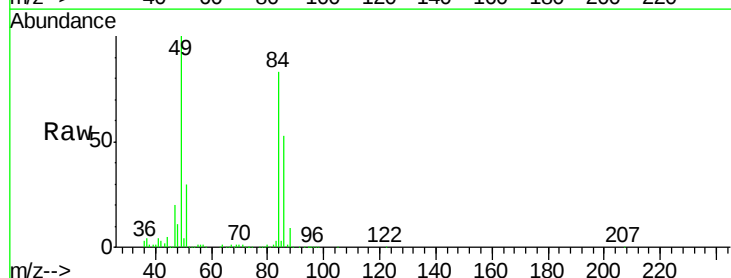
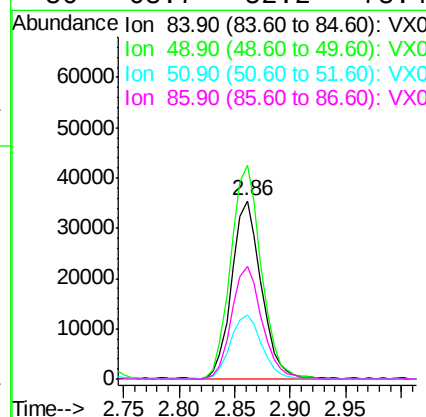
Manual Integrations
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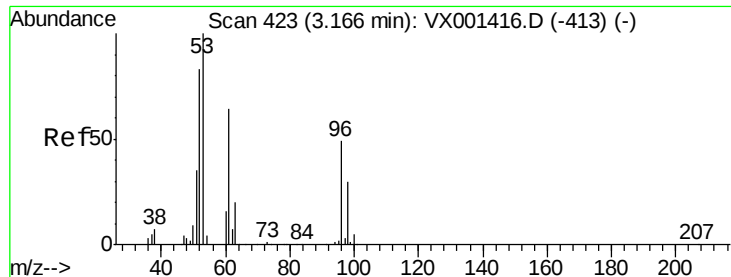
MMDadoda
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#20
Methylene Chloride
Concen: 19.75 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.2	96.6	144.8
51	35.4	29.0	43.4
86	63.7	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 19.82 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

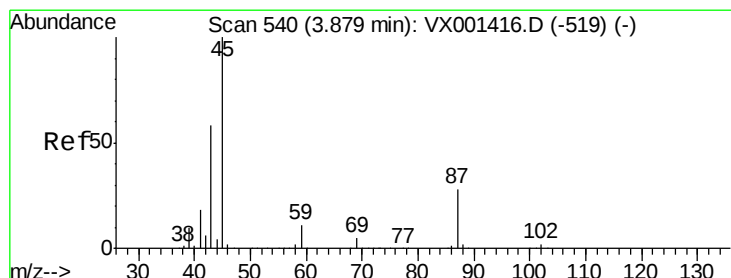
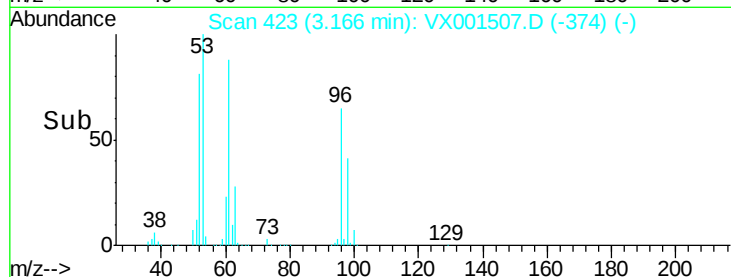
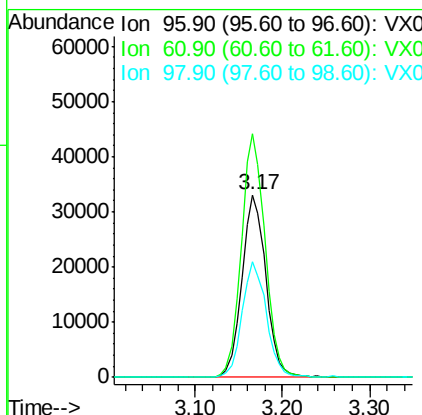
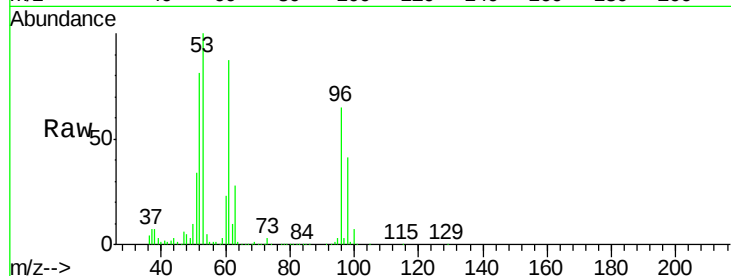
ClientSampleId :

VX0508WBS01

Tot Ion:	96	Resp:	62371
Ion	Ratio	Lower	Upper
96	100		
61	133.8	105.0	157.4
98	63.1	49.9	74.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.30 ug/l

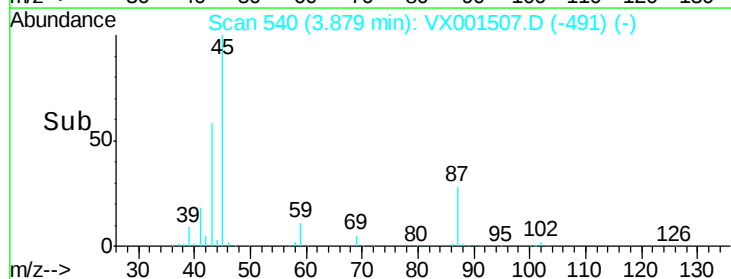
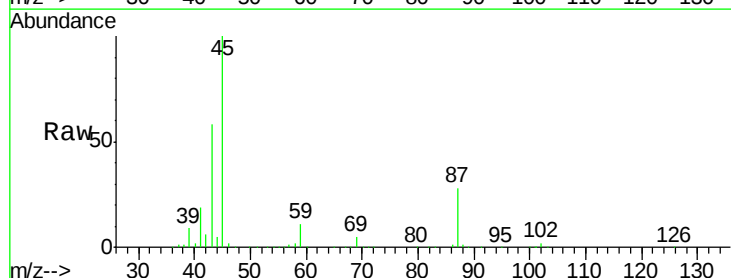
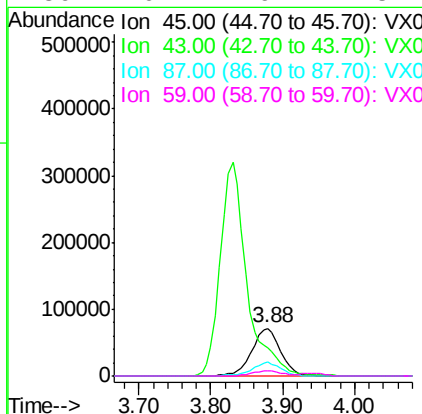
RT: 3.88 min Scan# 540

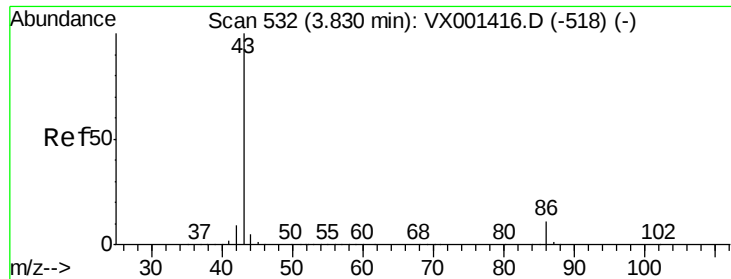
Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Tgt Ion:	45	Resp:	199438
Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.5	69.7
87	28.3	22.6	34.0
59	10.7	9.1	13.7





#23

Vinyl Acetate

Concen: 101.43 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS01

Tot Ion: 43 Resp: 830494

Ion Ratio Lower Upper

43 100

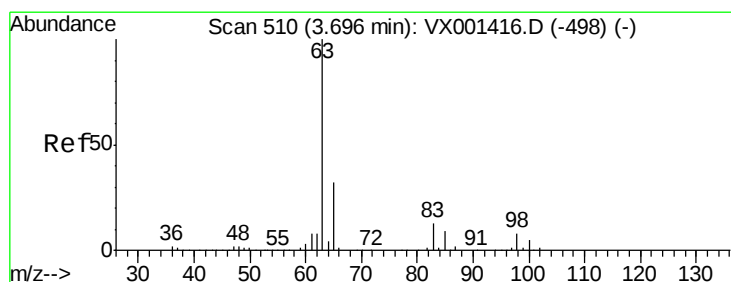
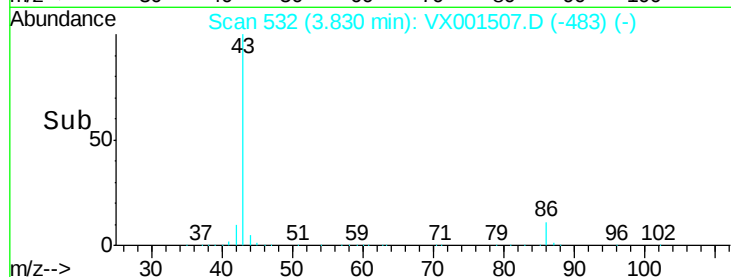
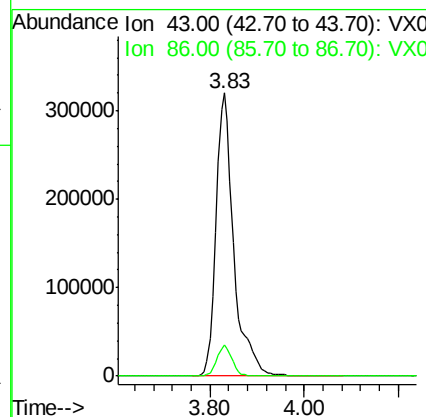
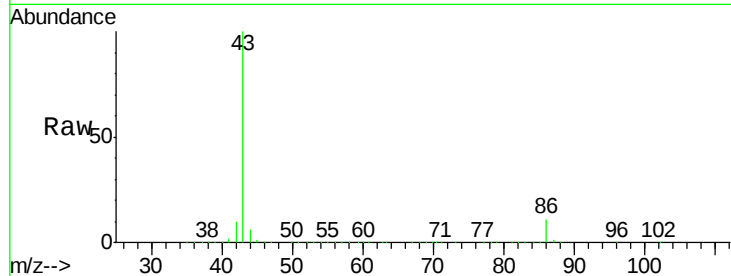
86 11.0 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.88 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

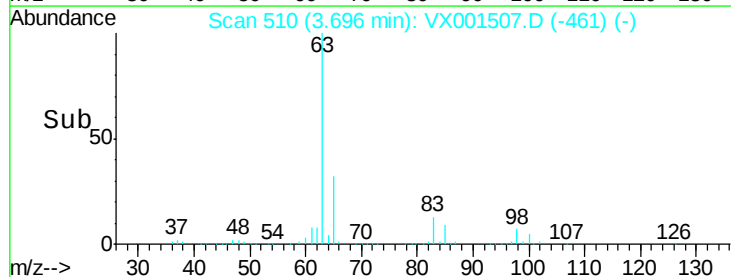
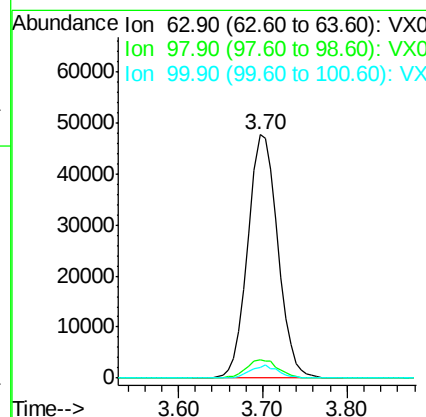
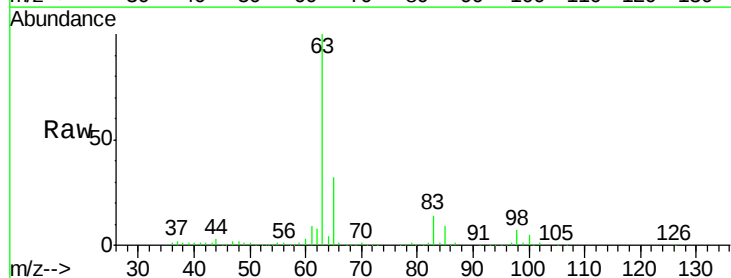
Tgt Ion: 63 Resp: 114566

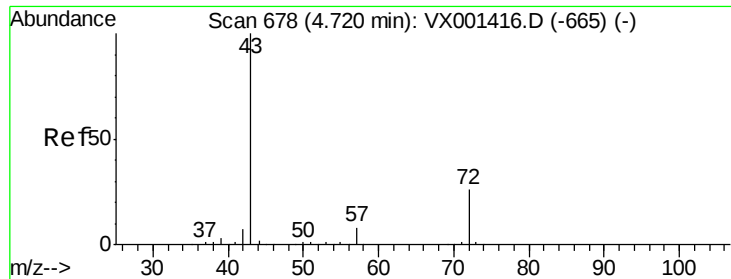
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.4

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 94.77 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Tot Ion: 43 Resp: 227875

Ion Ratio Lower Upper

43 100

72 26.0 20.7 31.1

Instrument :

MSVOA_X

ClientSampleId :

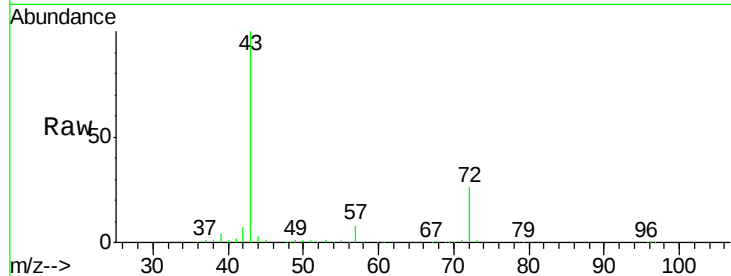
VX0508WBS01

Manual Integrations

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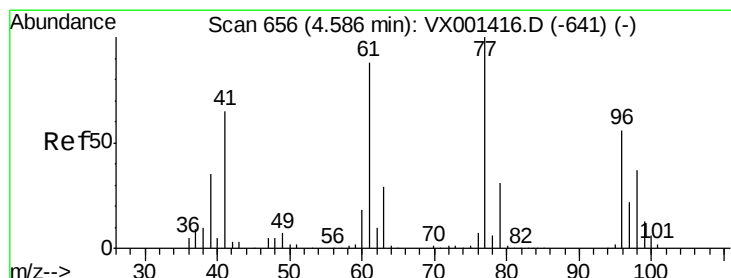
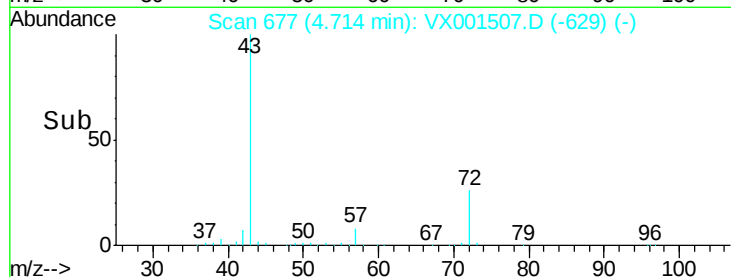
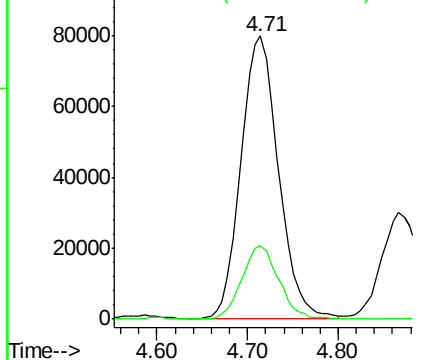
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 22.37 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX001507.D

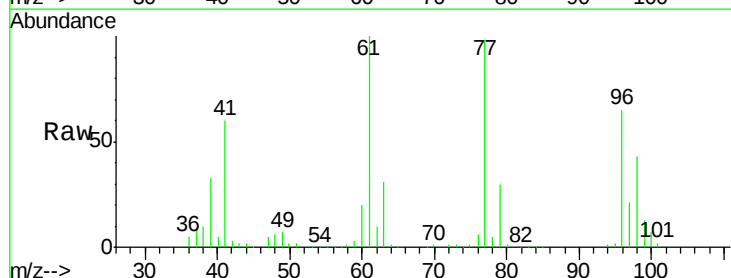
Acq: 08 May 2018 12:13

Tgt Ion: 77 Resp: 94788

Ion Ratio Lower Upper

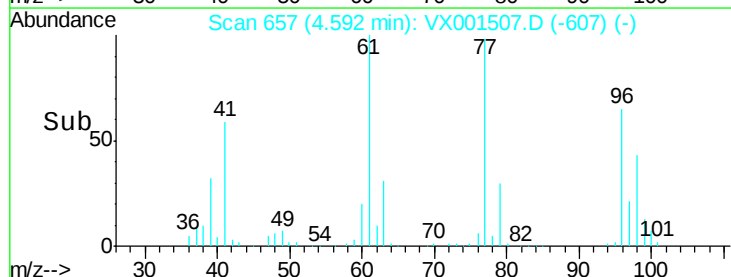
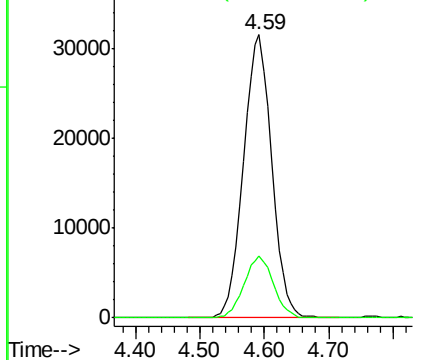
77 100

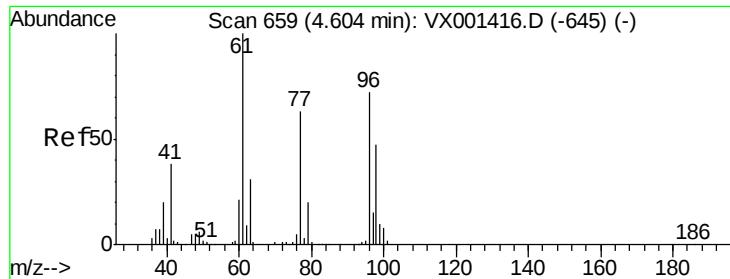
97 22.6 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

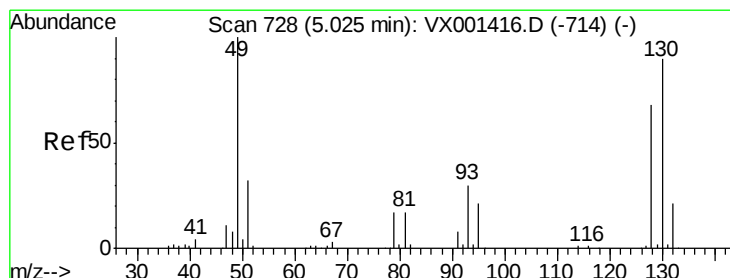
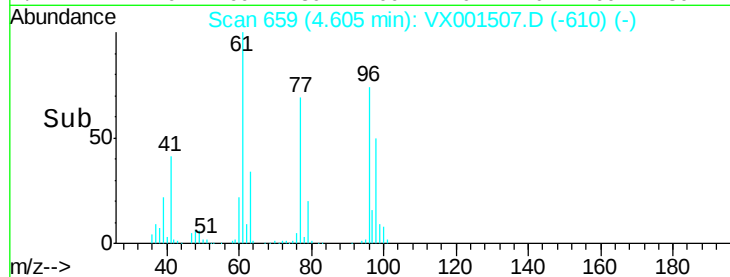
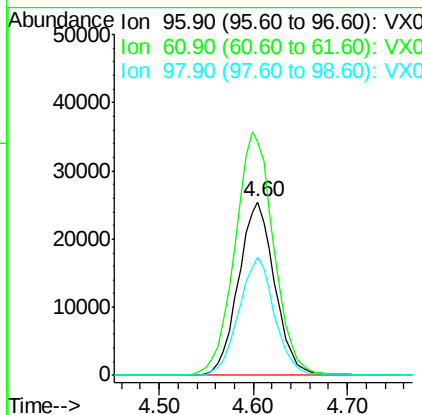
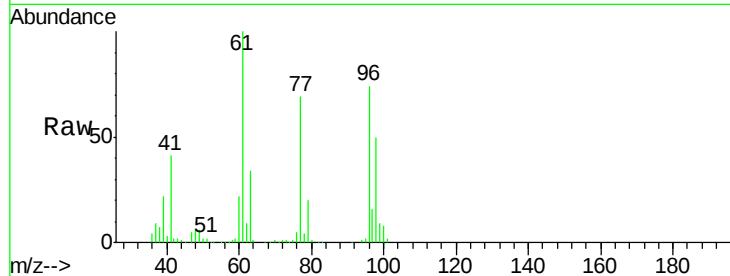
cis-1,2-Dichloroethene
Concen: 20.32 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	68117		
61	151.3		0.0	301.6
98	66.8		0.0	131.6

Manual Integrations
APPROVED

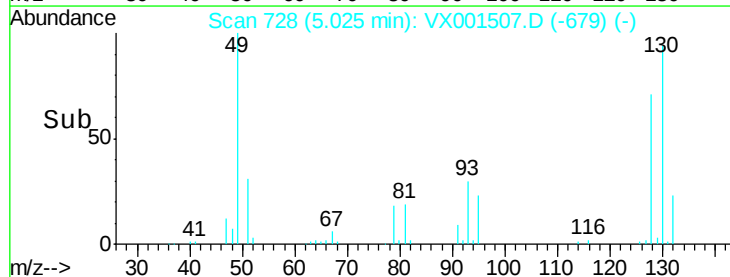
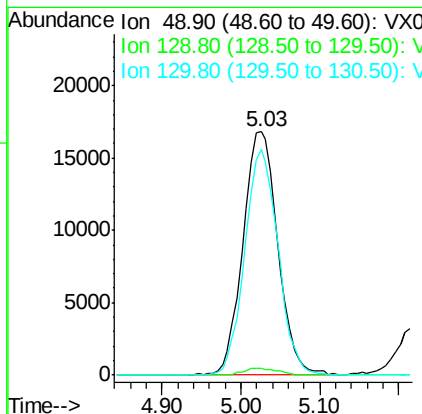
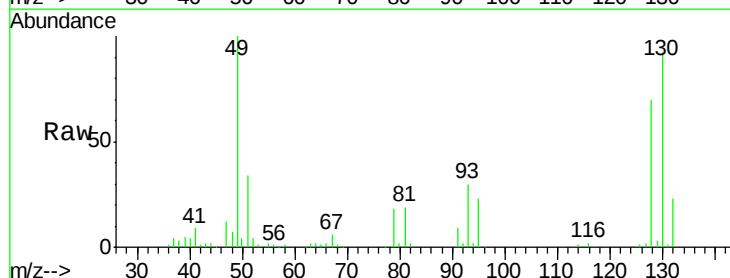
MMDadoda
5/10/2018 1:11:32 PM

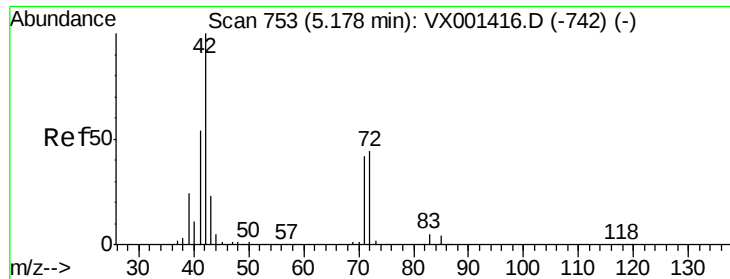


#28

Bromochloromethane
Concen: 21.74 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	51723		
129	2.6		0.0	4.8
130	88.6		71.9	107.9





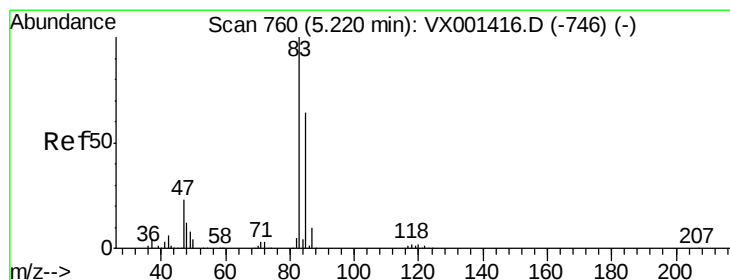
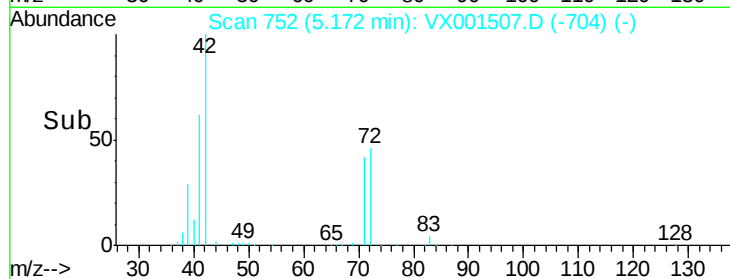
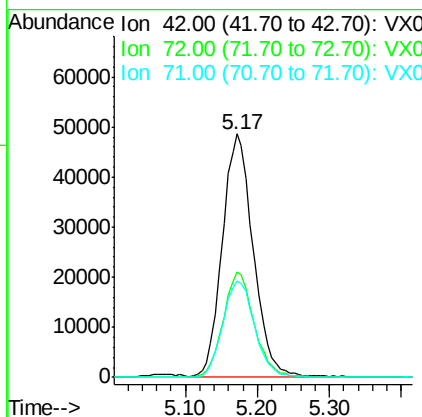
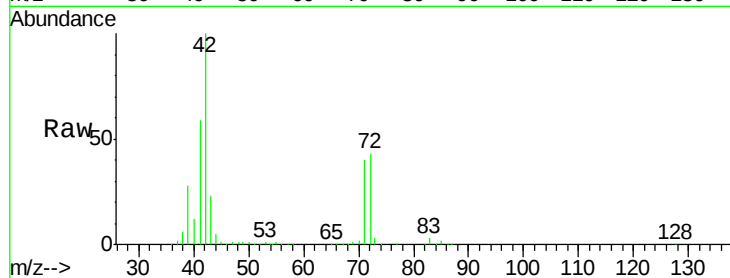
#29
Tetrahydrofuran
Concen: 93.67 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.4	53.2
71	41.2	33.0	49.4

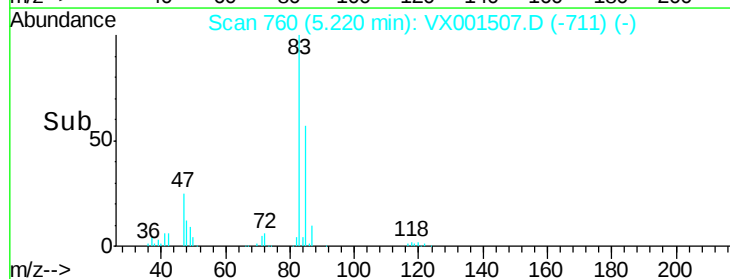
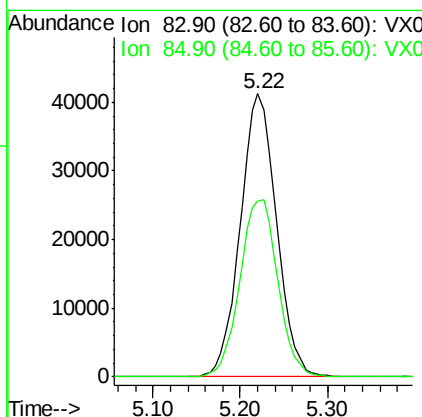
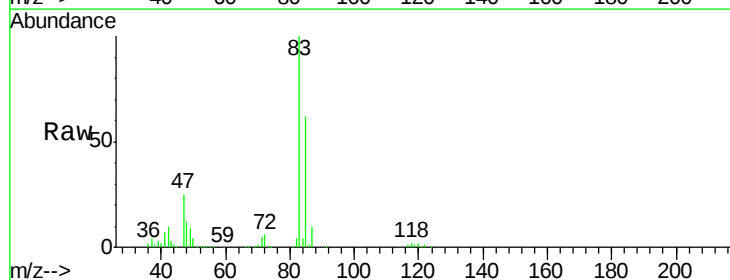
Manual Integrations
APPROVED

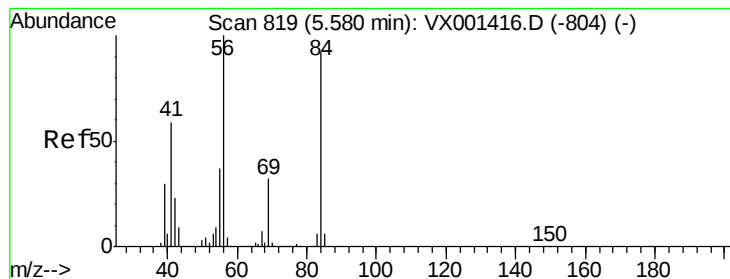
MMDadoda
5/10/2018 1:11:32 PM



#30
Chloroform
Concen: 21.03 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.4





#31

Cvclohexane

Concen: 20.16 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

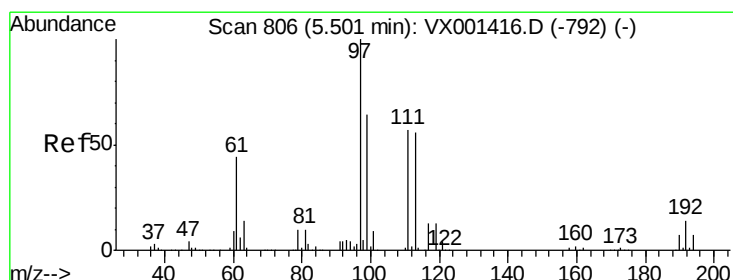
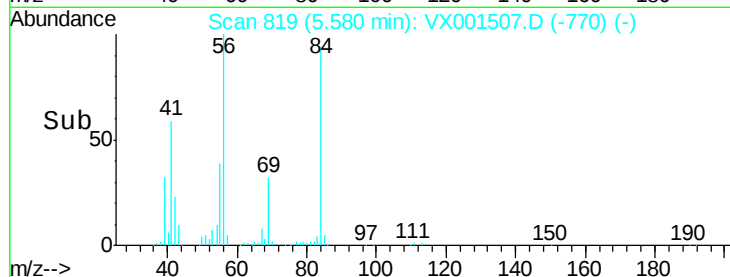
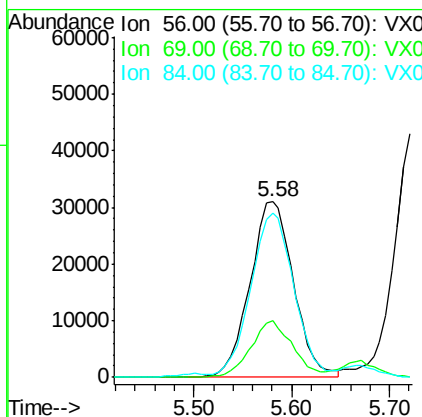
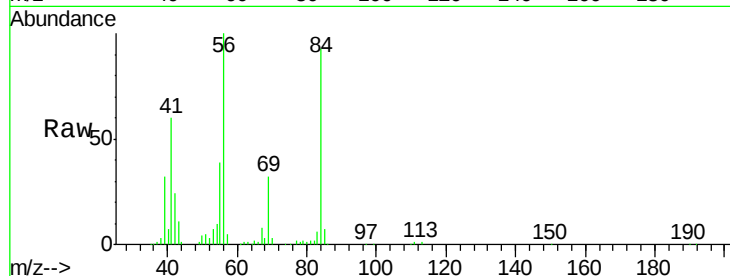
ClientSampleId :

VX0508WBS01

Tot Ion:	56	Resp:	95038
Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.4	38.0
84	92.1	73.8	110.8

Manual Integrations
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5/10/2018 1:11:32 PM



#32

1,1,1-Trichloroethane

Concen: 21.33 ug/l

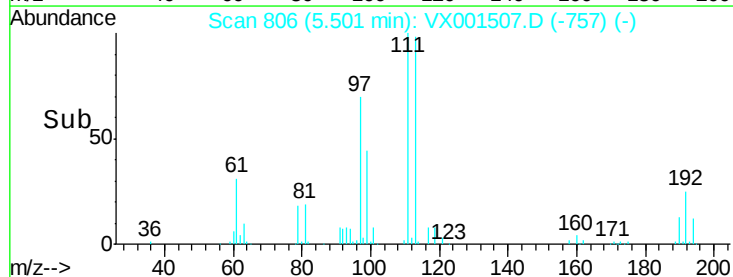
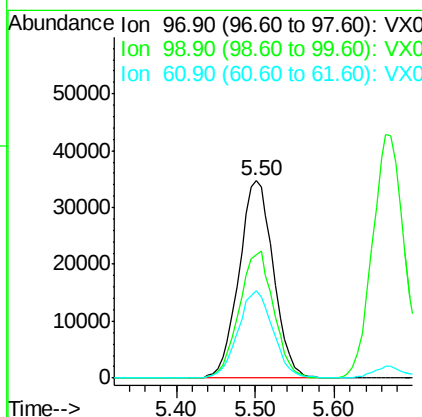
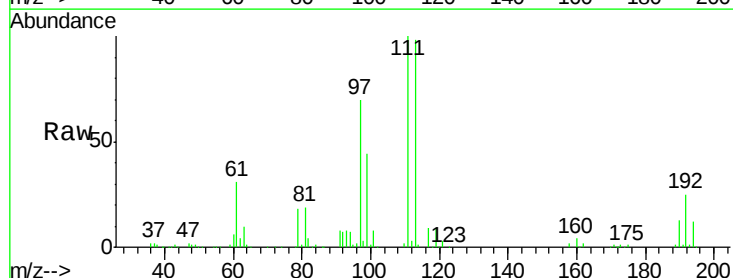
RT: 5.50 min Scan# 806

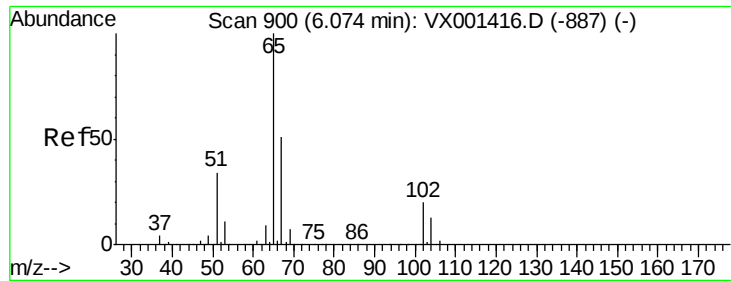
Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Tgt Ion:	97	Resp:	105384
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	44.8	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 51.49 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS01

Tot Ion: 65 Resp: 188624

Ion Ratio Lower Upper

65 100

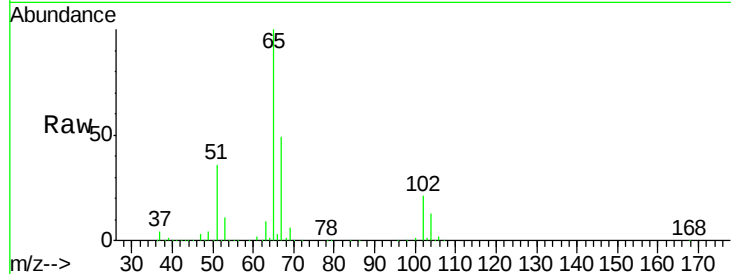
67 51.1 0.0 101.8

Manual Integrations

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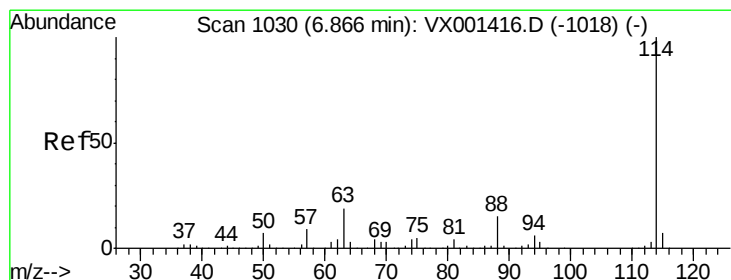
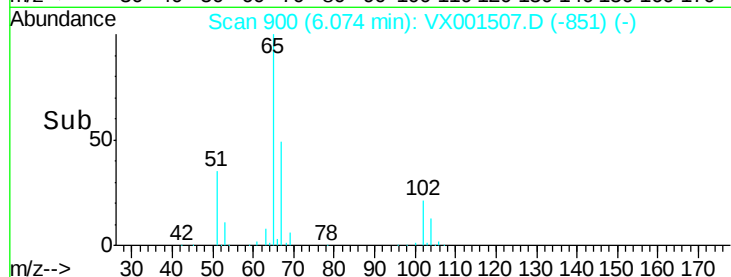
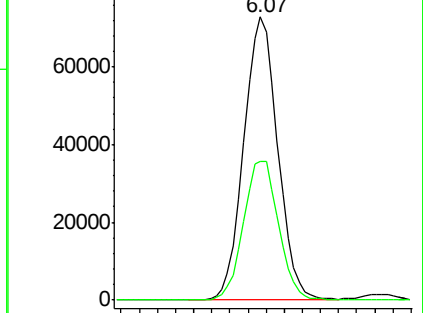
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

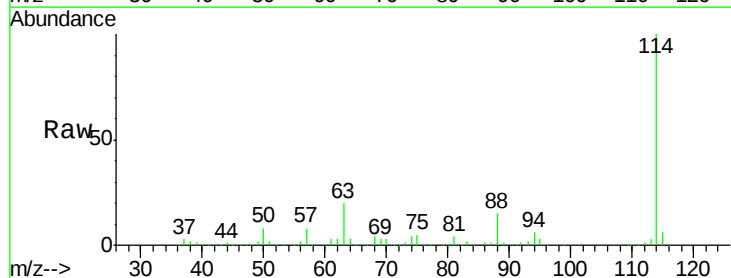
Tgt Ion: 114 Resp: 334645

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

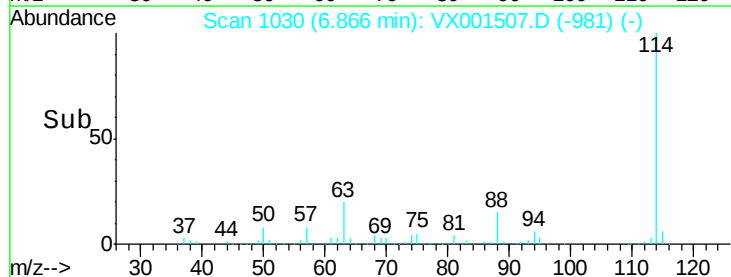
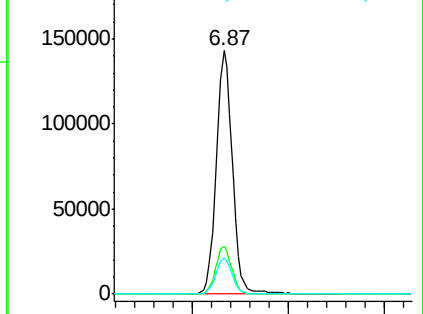
88 14.8 0.0 30.8

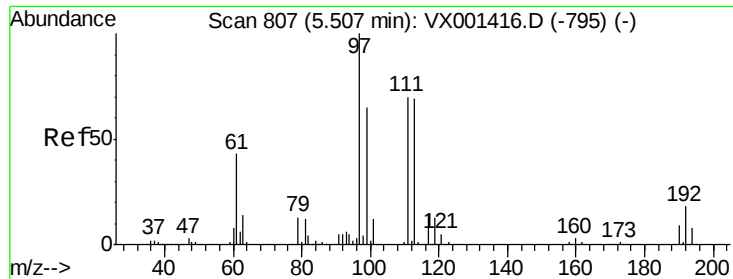


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





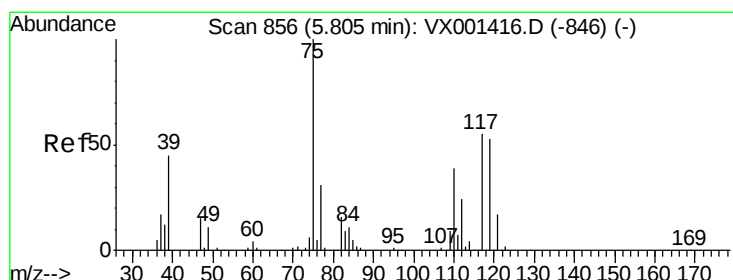
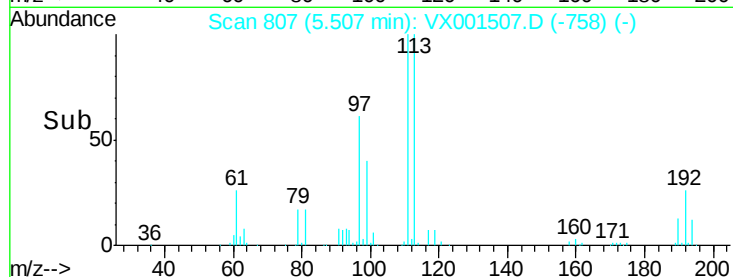
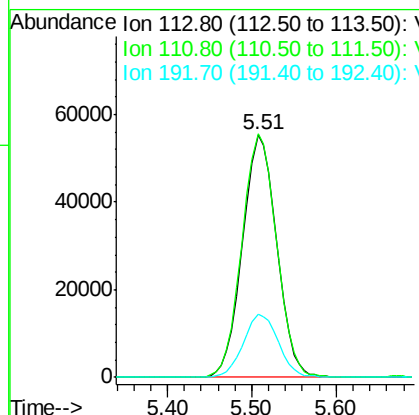
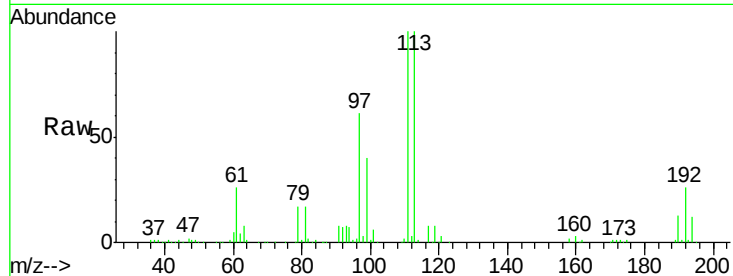
#35
Dibromofluoromethane
Concen: 51.10 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152092		
111	101.6	82.2	123.2	
192	26.6	21.4	32.0	

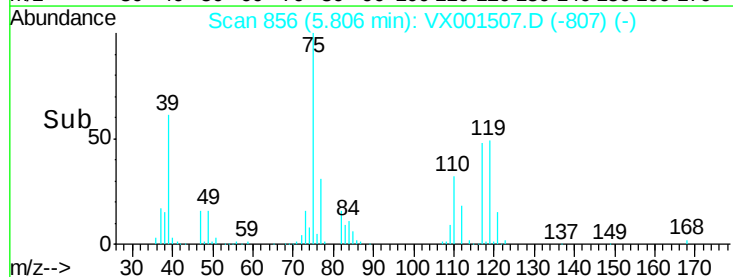
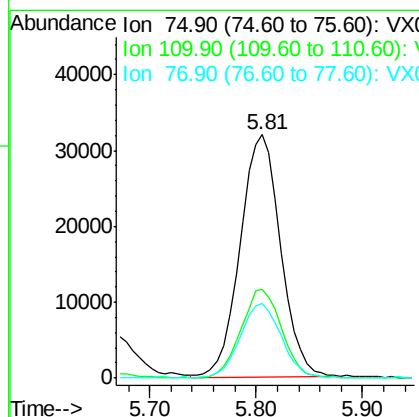
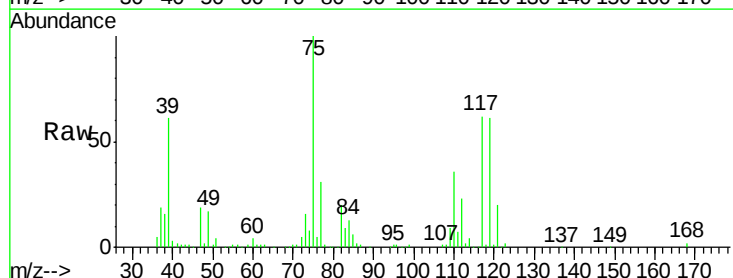
Manual Integrations
APPROVED

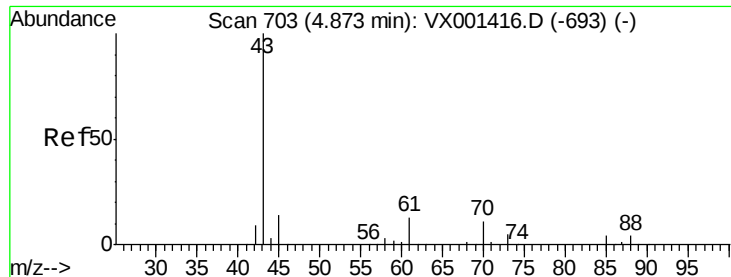
MMDadoda
5/10/2018 1:11:32 PM



#36
1,1-Dichloropropene
Concen: 20.01 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	85174		
110	37.2	18.9	56.7	
77	31.3	24.9	37.3	





#37

Ethyl Acetate

Concen: 18.76 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

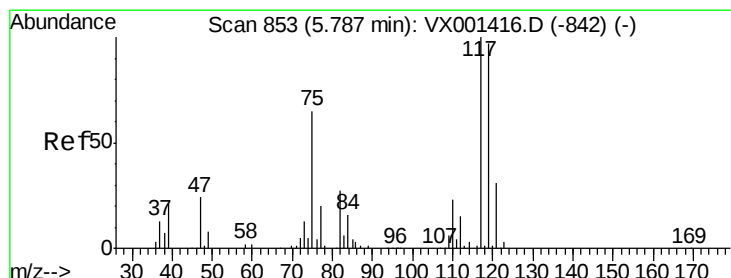
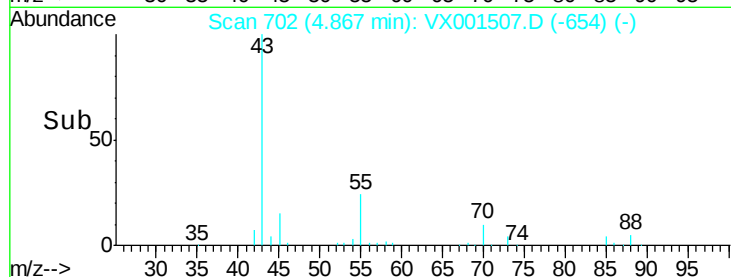
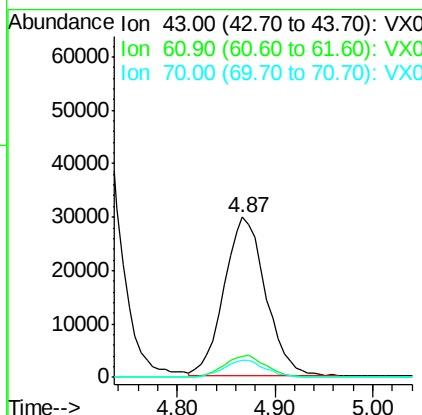
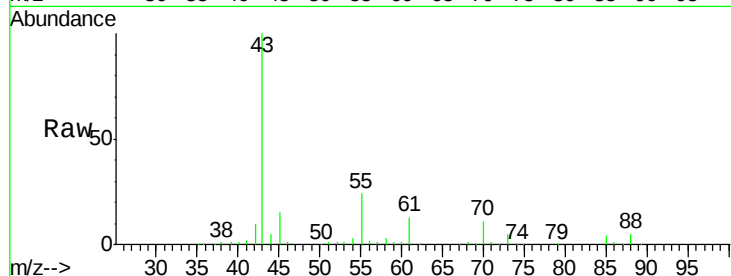
ClientSampleId :

VX0508WBS01

Tot Ion:	43	Resp:	87546
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	11.0	8.4	12.6

Manual Integrations
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5/10/2018 1:11:32 PM



#38

Carbon Tetrachloride

Concen: 20.54 ug/l

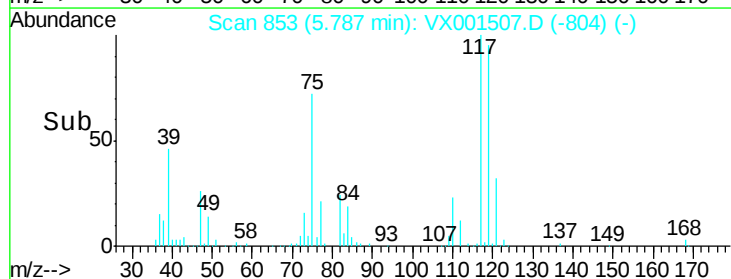
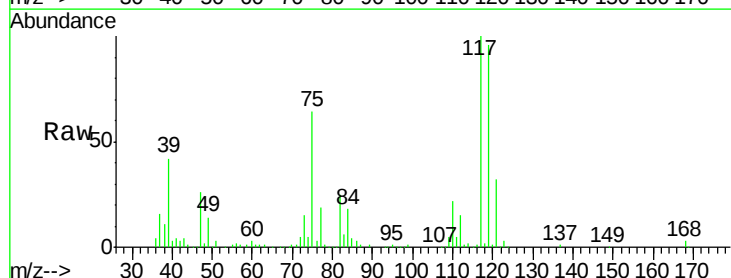
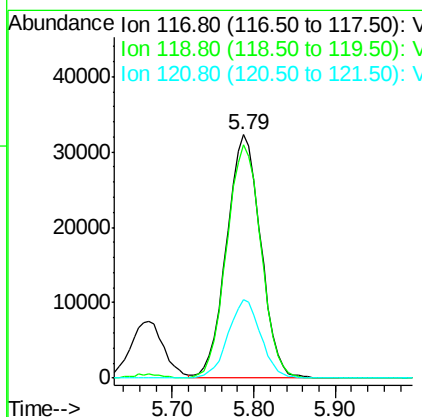
RT: 5.79 min Scan# 853

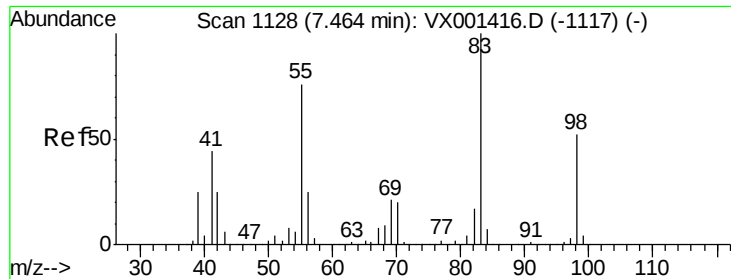
Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Tgt Ion:	117	Resp:	93257
Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.0	115.6
121	32.5	25.1	37.7





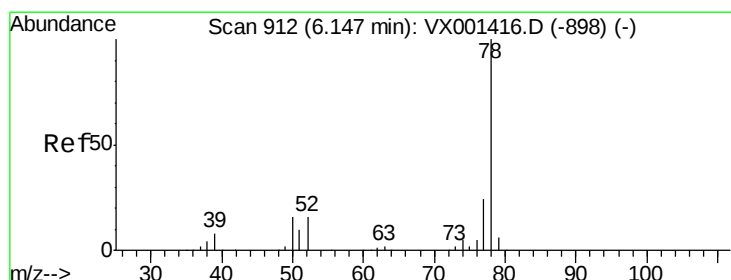
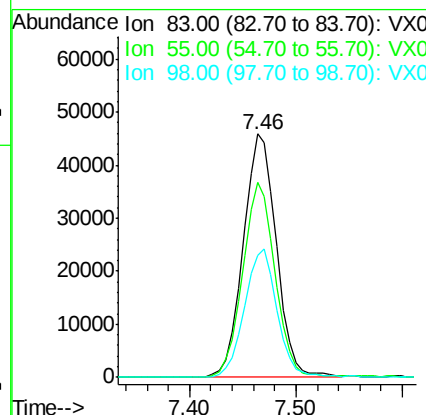
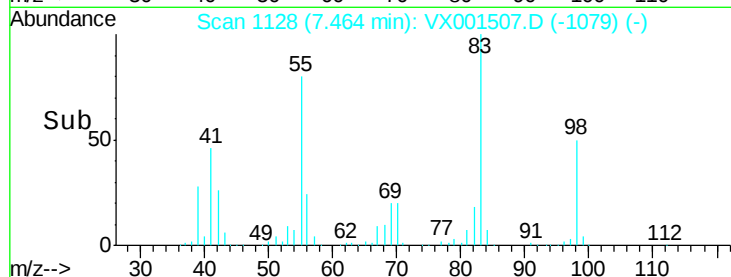
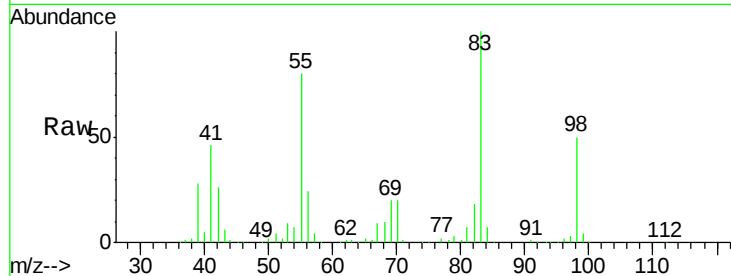
#39
Methvlcvclohexane
Concen: 19.90 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	100154		
55	79.7	60.9	91.3	
98	50.3	41.9	62.9	

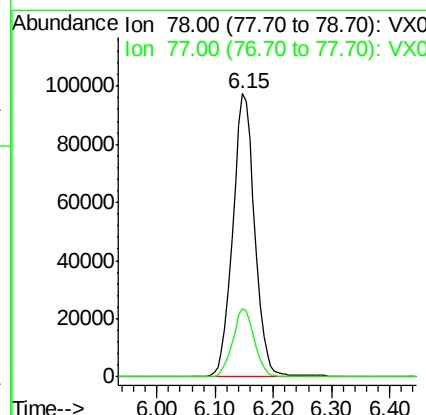
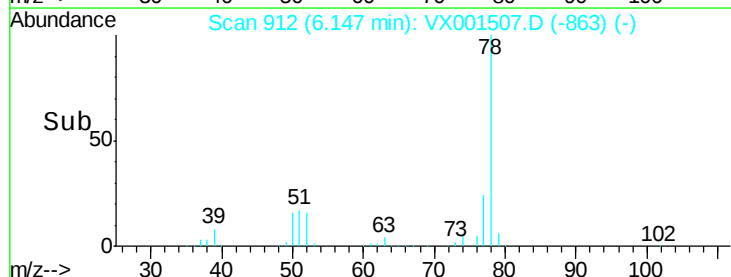
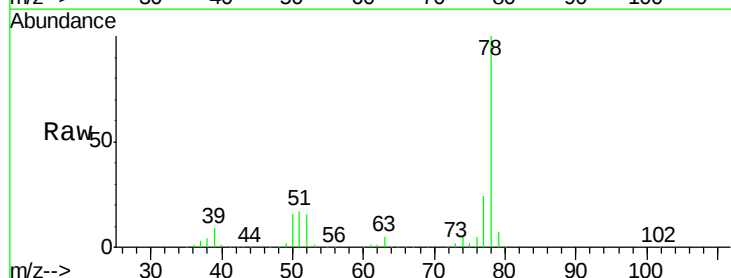
Manual Integrations
APPROVED

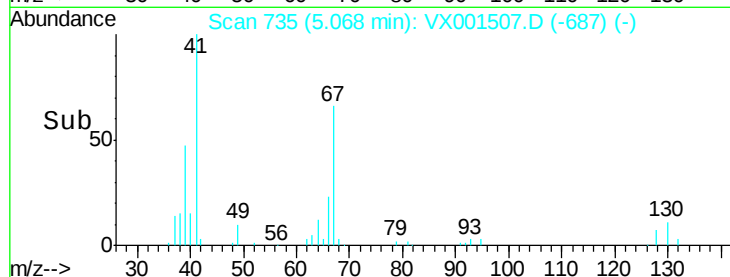
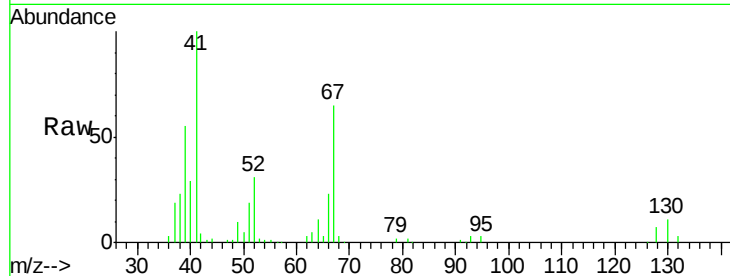
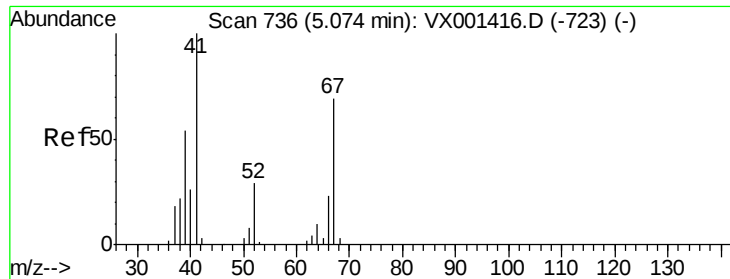
MMDadoda
5/10/2018 1:11:32 PM



#40
Benzene
Concen: 20.61 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	256242		
77	24.2	19.4	29.2	





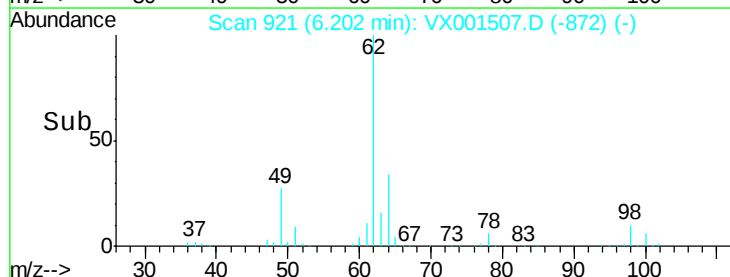
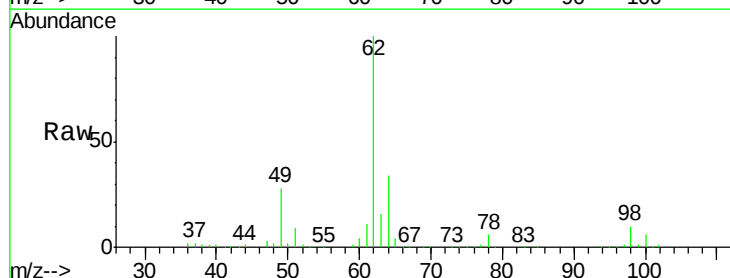
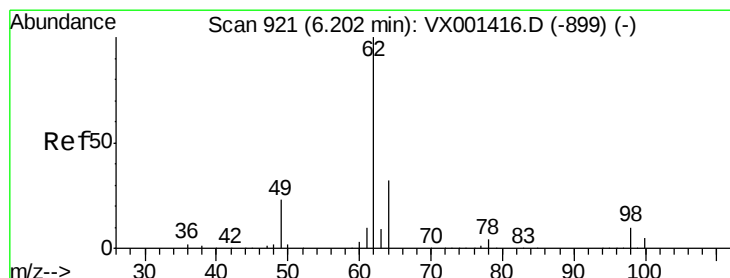
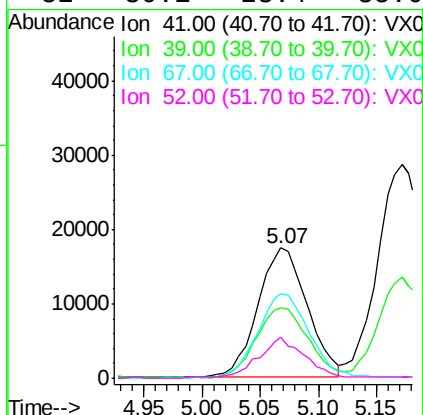
#41
Methacrylonitrile
Concen: 19.20 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		51258		
39	57.5	45.0	67.6		
67	69.1	55.0	82.6		
52	30.1	23.4	35.0		

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

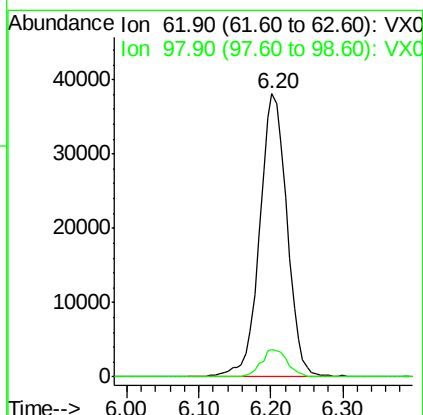
Manual Integrations
APPROVED

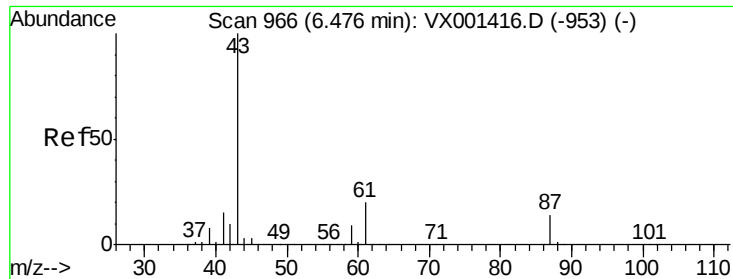
MMDadoda
5/10/2018 1:11:32 PM



#42
1,2-Dichloroethane
Concen: 20.91 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		99927		
98	9.4	0.0	19.0		





#43

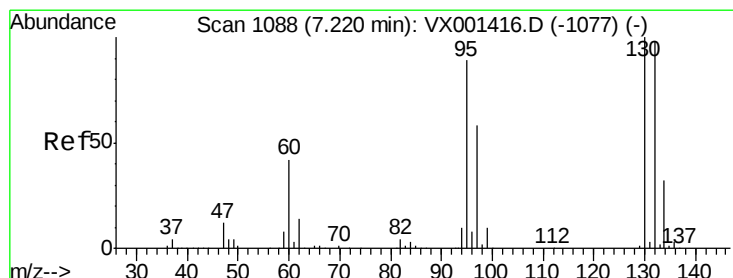
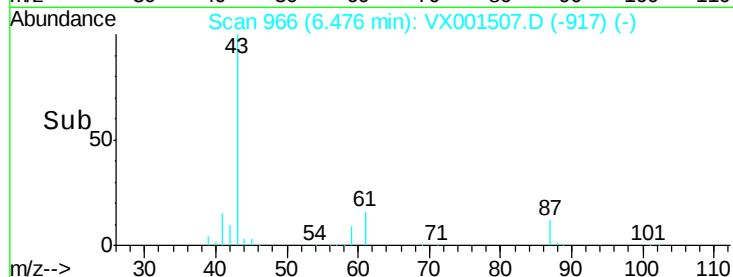
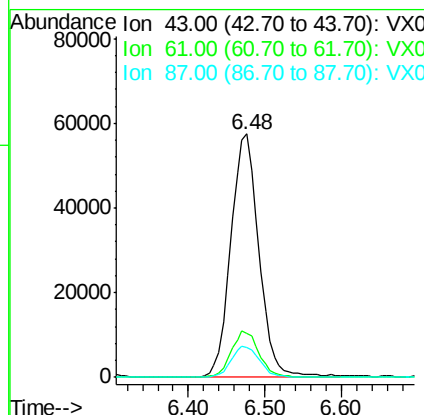
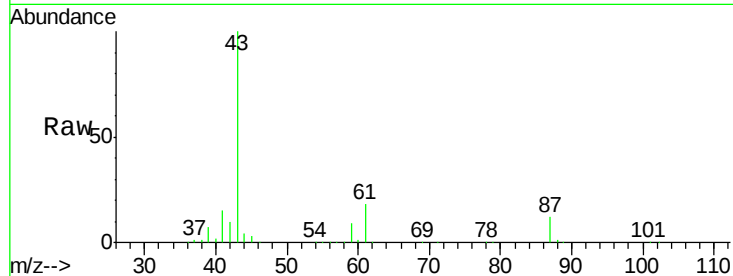
Isopropyl Acetate
Concen: 20.24 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	13.0	10.8	16.2

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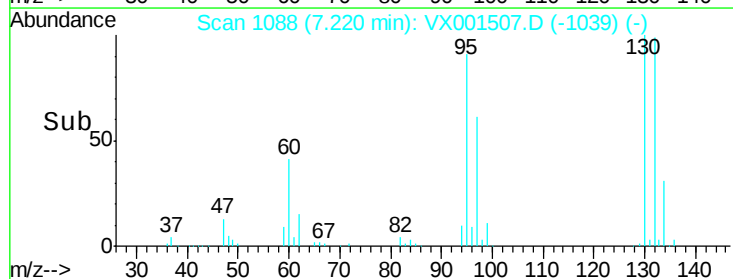
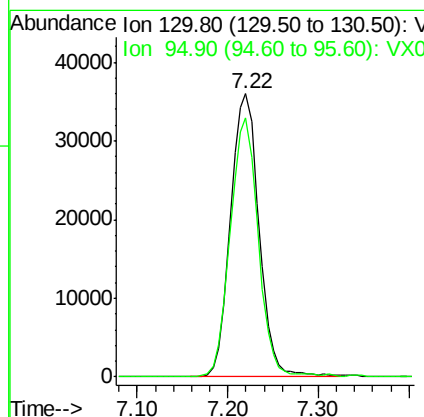
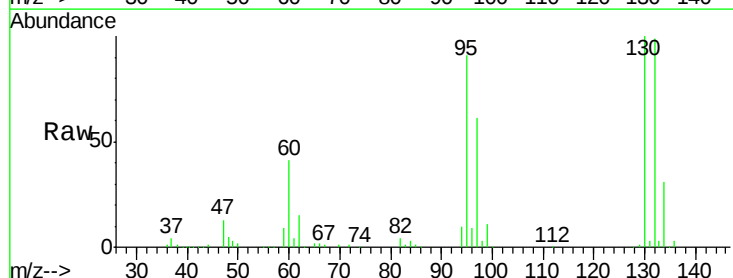
MMDadoda
5/10/2018 1:11:32 PM

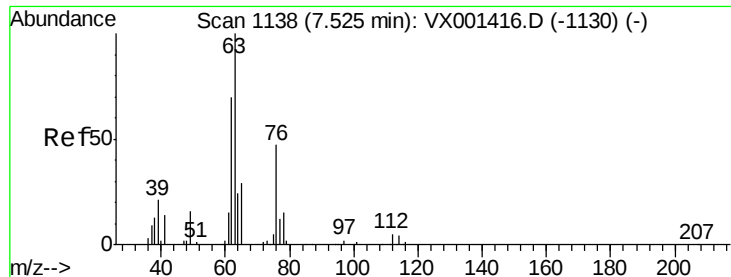


#44

Trichloroethene
Concen: 20.74 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	178.4





#45

1,2-Dichloropropane

Concen: 20.11 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS01

Tot Ion: 63 Resp: 62320

Ion Ratio Lower Upper

63 100

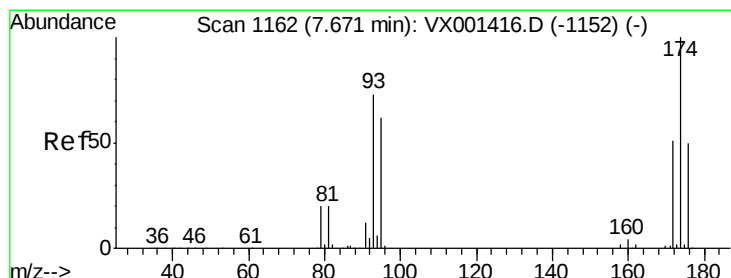
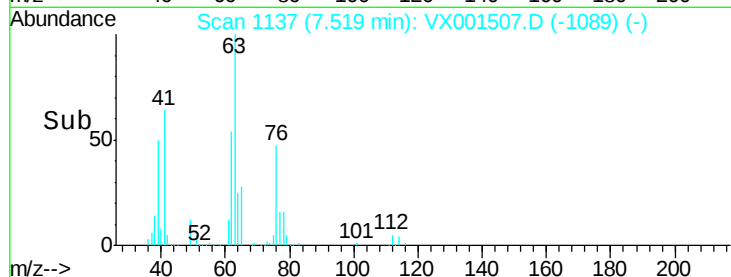
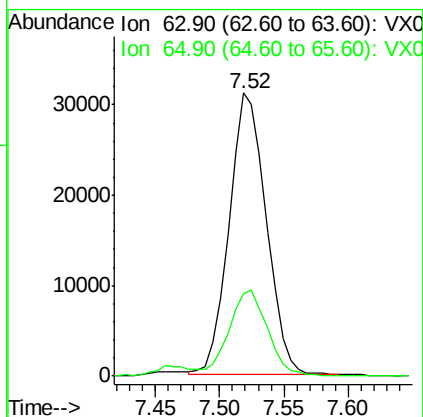
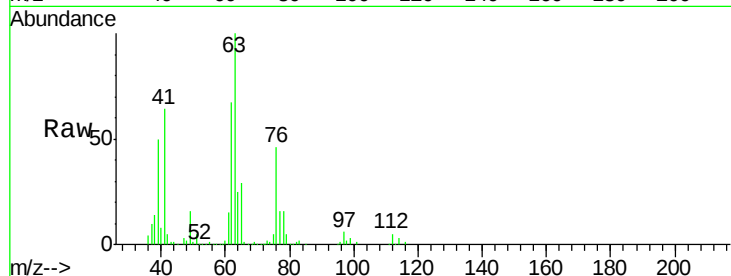
65 29.1 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

5/10/2018 1:11:32 PM



#46

Dibromomethane

Concen: 20.57 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

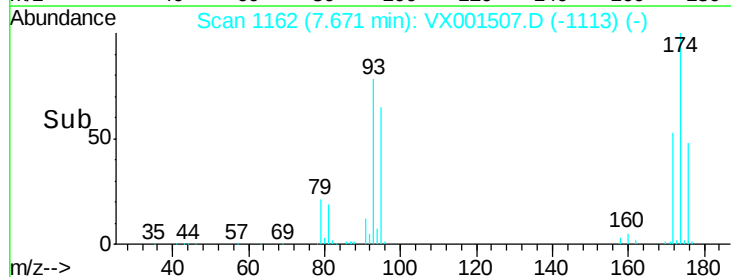
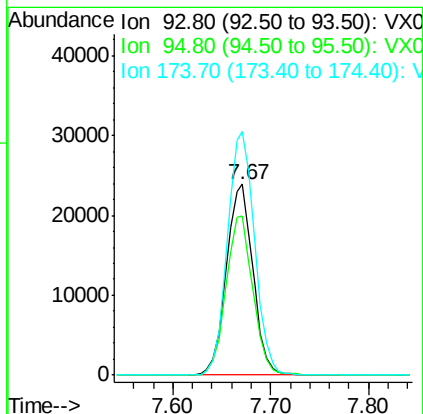
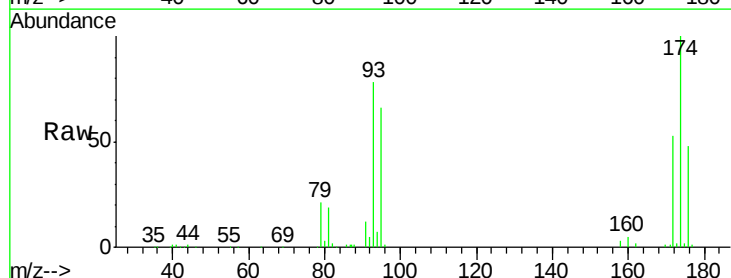
Tgt Ion: 93 Resp: 45146

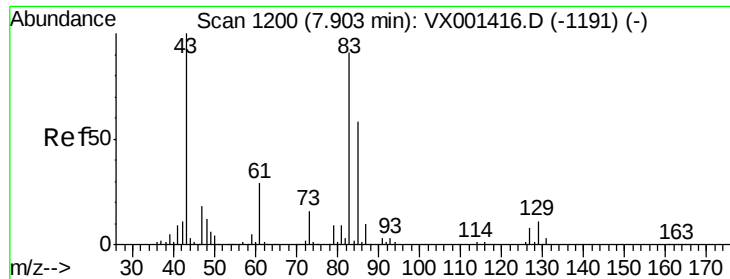
Ion Ratio Lower Upper

93 100

95 84.2 67.0 100.4

174 129.5 104.5 156.7





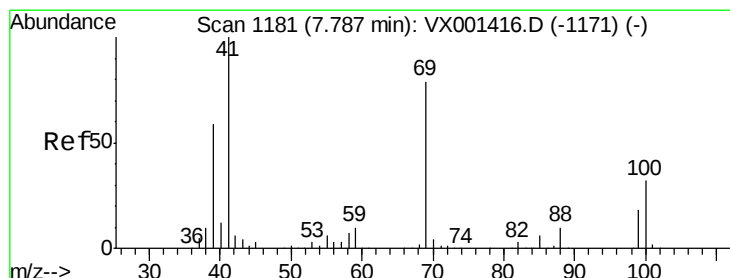
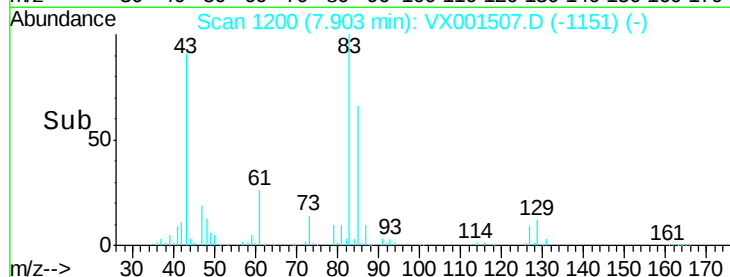
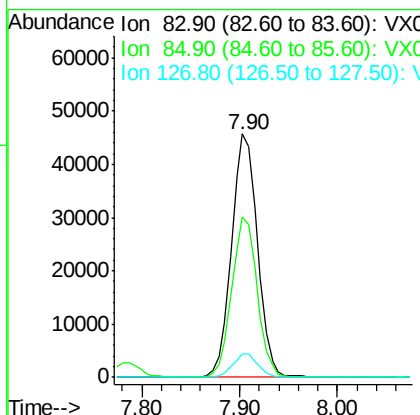
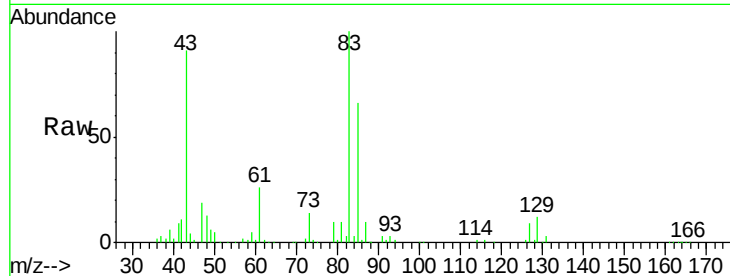
#47
Bromodichloromethane
Concen: 20.67 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	83	Resp	83946
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	51.0	76.6
127	9.4	7.4	11.2

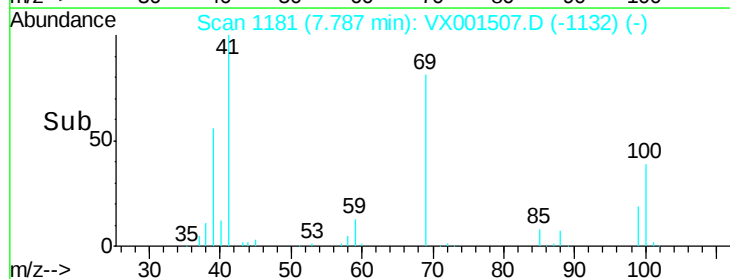
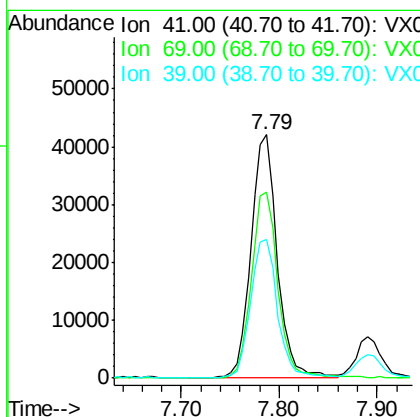
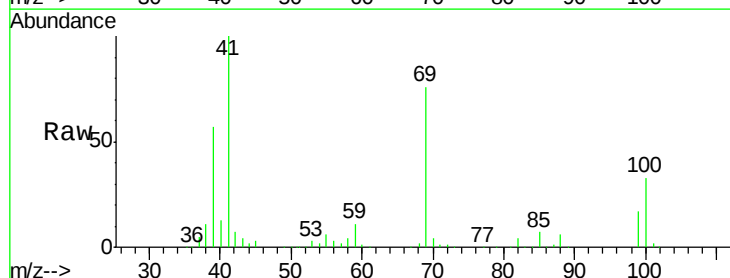
Manual Integrations
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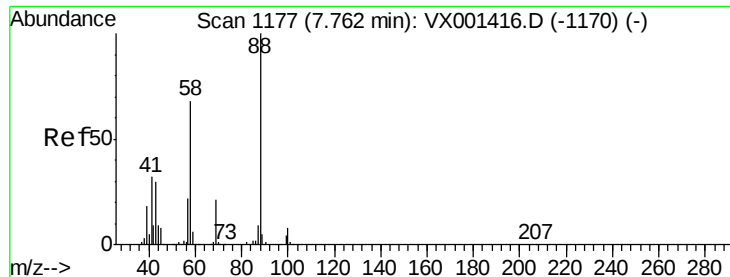
MMDadoda
5/10/2018 1:11:32 PM



#48
Methyl methacrylate
Concen: 19.98 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	41	Resp	77931
Ion Ratio	100	Lower	Upper
41	100		
69	77.9	63.4	95.2
39	58.9	47.0	70.4





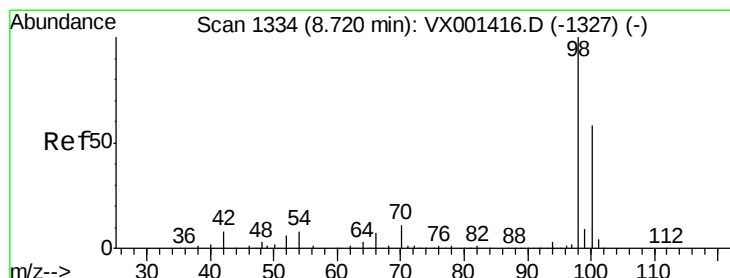
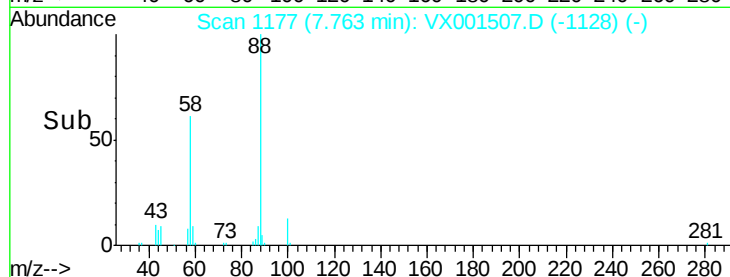
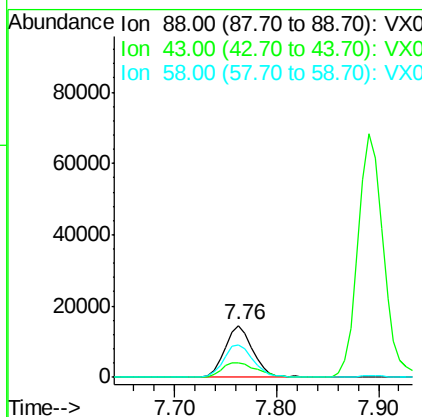
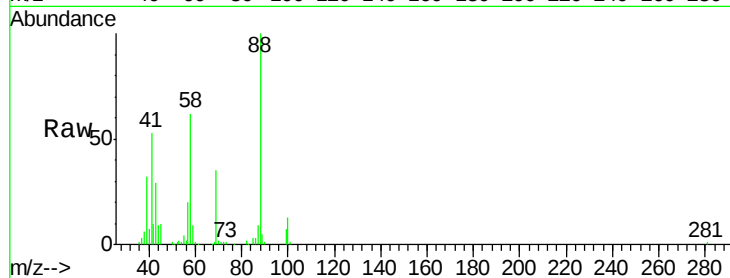
#49
1,4-Dioxane
Concen: 326.11 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	26.4	39.6
58	67.6	54.1	81.1

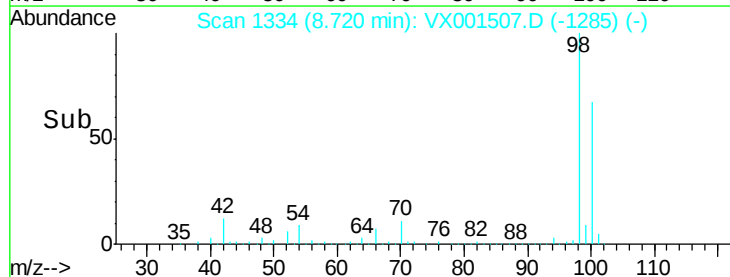
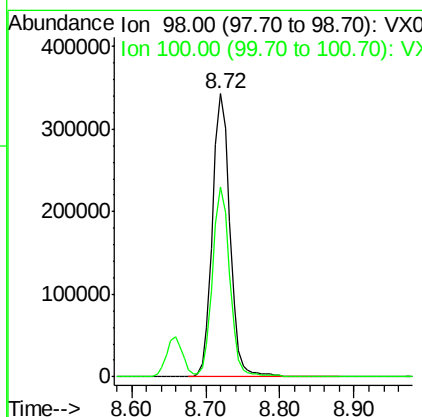
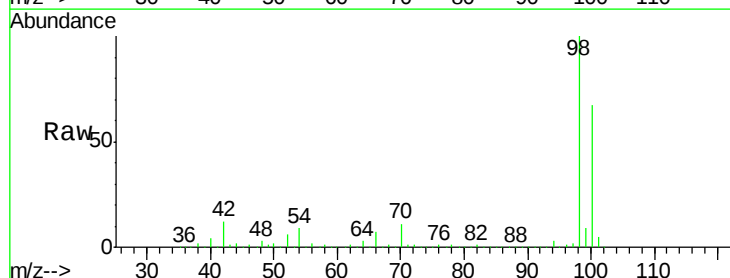
Manual Integrations
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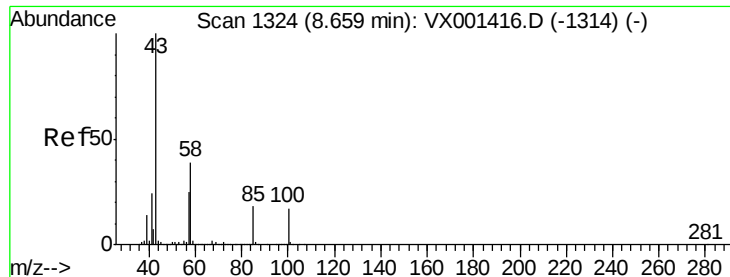
MMDadoda
5/10/2018 1:11:32 PM



#50
Toluene-d8
Concen: 50.98 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	54.0	81.0





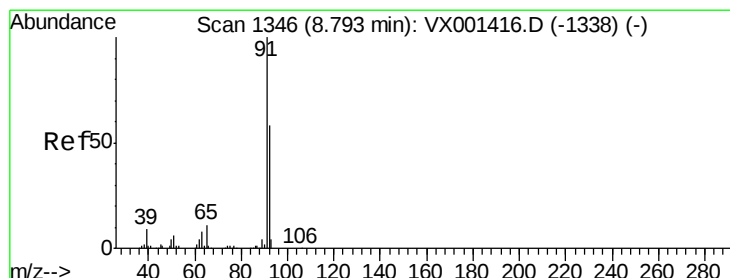
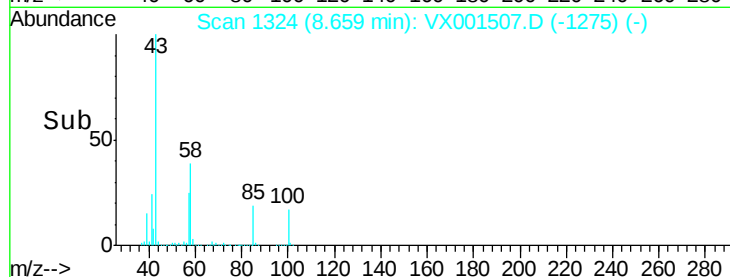
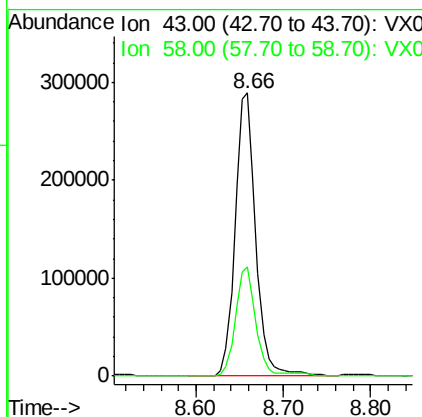
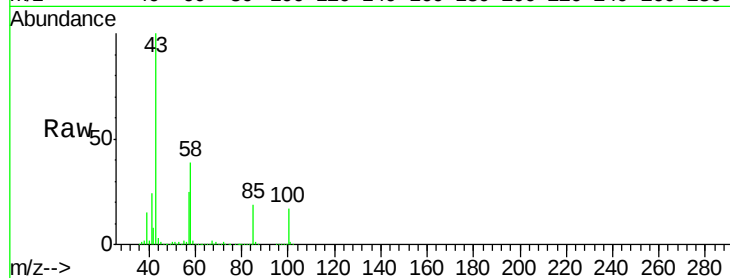
#51
4-Methyl-2-Pentanone
Concen: 100.06 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.8	46.2

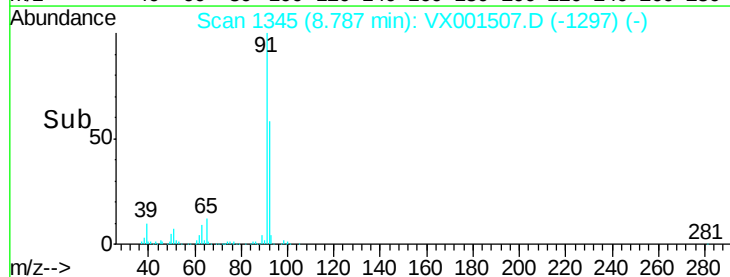
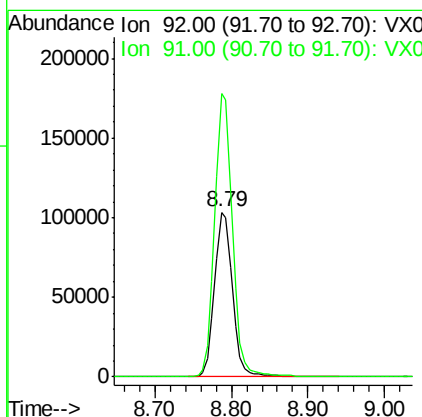
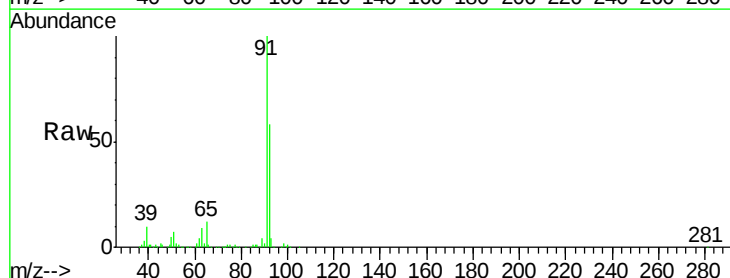
Manual Integrations
APPROVED

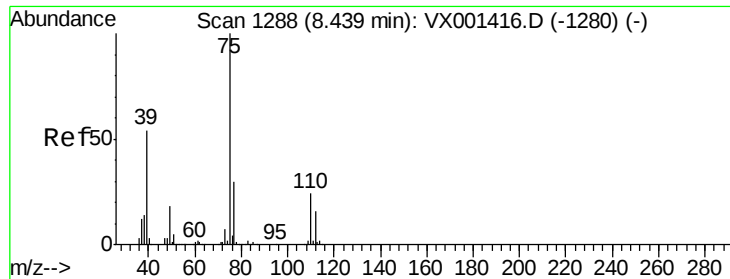
MMDadoda
5/10/2018 1:11:32 PM



#52
Toluene
Concen: 20.74 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.6	135.2	202.8





#53

t-1,3-Dichloropropene

Concen: 21.39 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS01

Tot Ion: 75 Resp: 98167

Ion Ratio Lower Upper

75 100

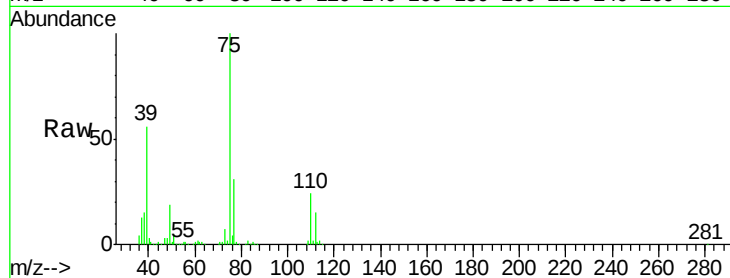
77 30.7 24.2 36.4

Manual Integrations

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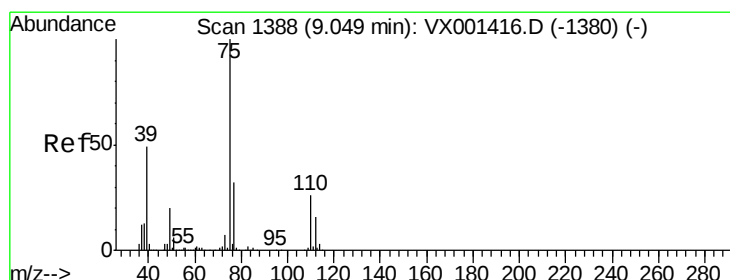
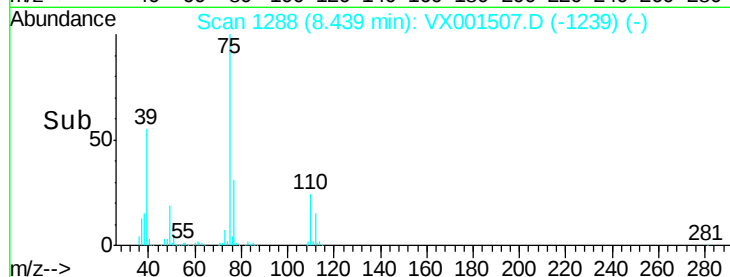
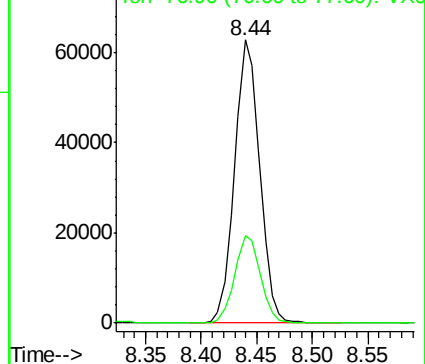
MMDadoda

5/10/2018 1:11:32 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.93 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

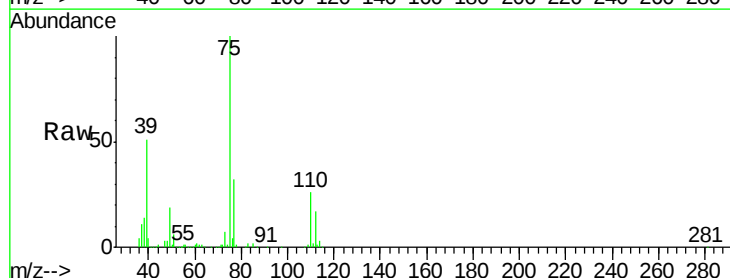
Tgt Ion: 75 Resp: 87807

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

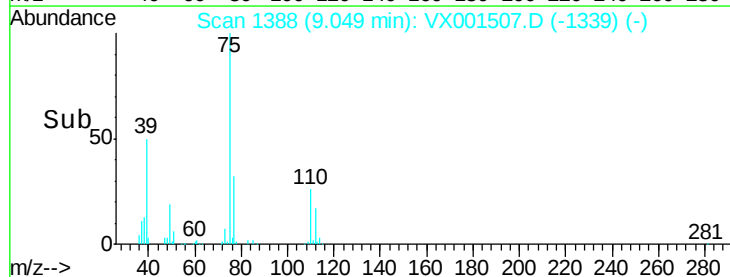
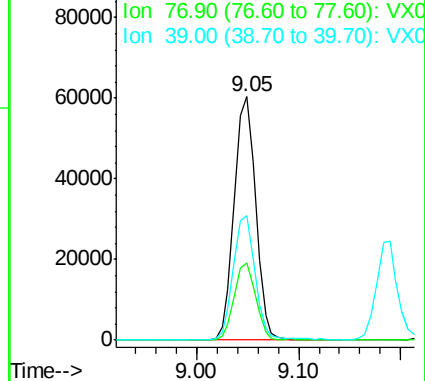
39 50.7 38.9 58.3

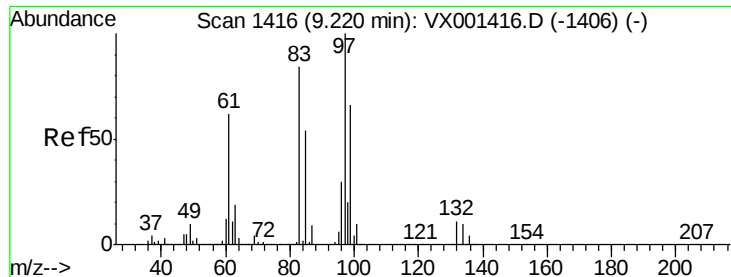


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





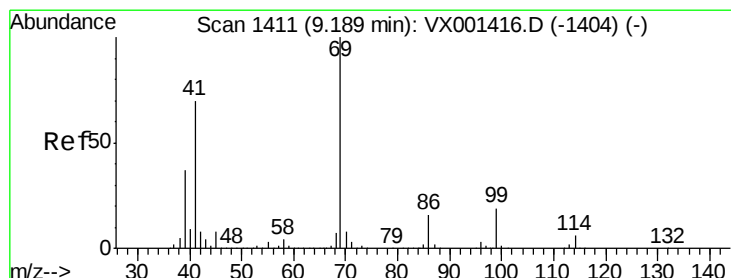
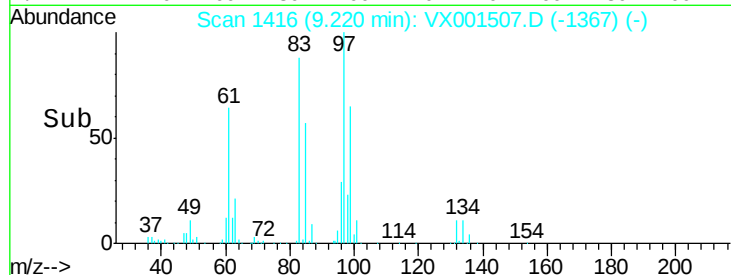
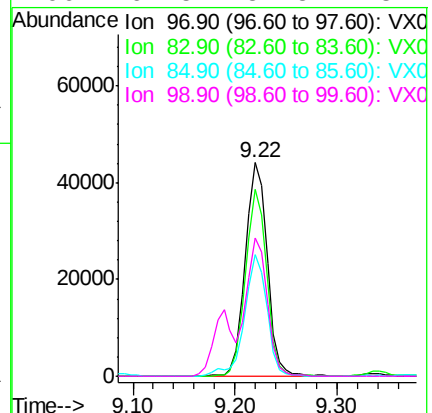
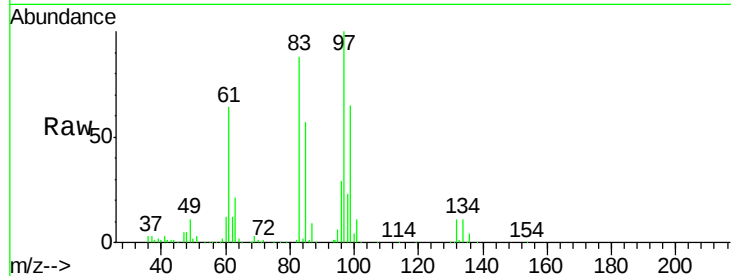
#55
 1,1,2-Trichloroethane
 Concen: 20.05 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001507.D
 Acq: 08 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS01

Tot Ion:	97	Resp:	65668
Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.4	101.0
85	56.9	43.3	64.9
99	64.5	52.5	78.7

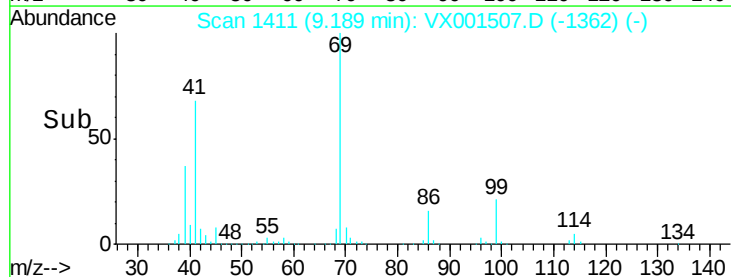
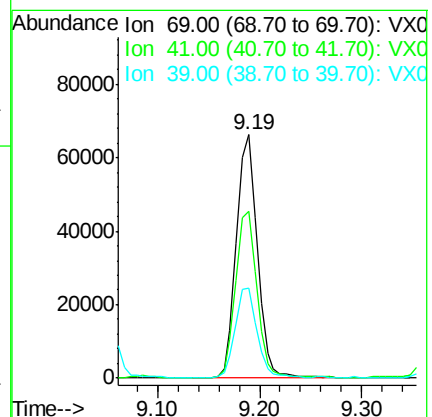
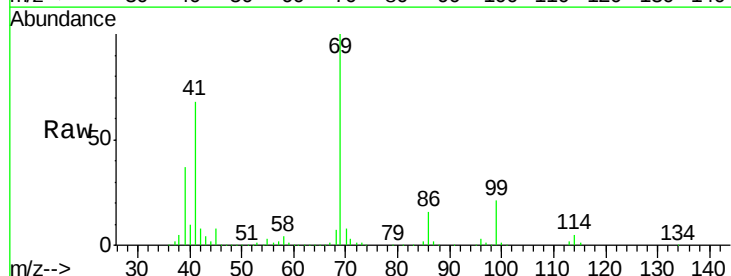
Manual Integrations
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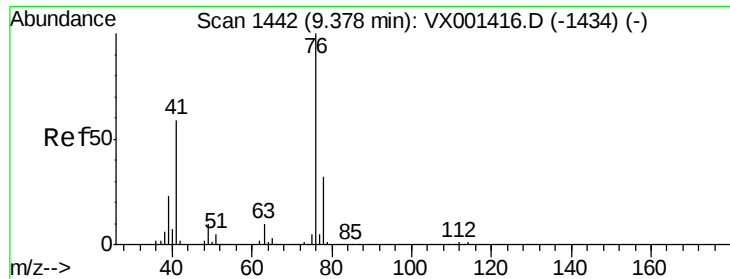
MMDadoda
 5/10/2018 1:11:32 PM



#56
 Ethyl methacrylate
 Concen: 20.00 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001507.D
 Acq: 08 May 2018 12:13

Tgt Ion:	69	Resp:	94445
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.1	82.7
39	37.5	29.9	44.9





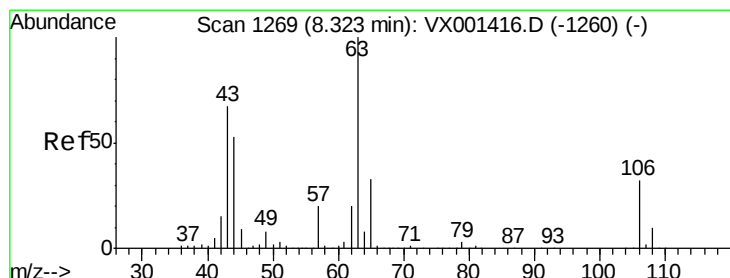
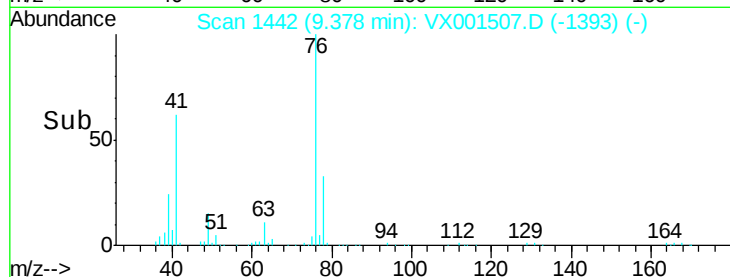
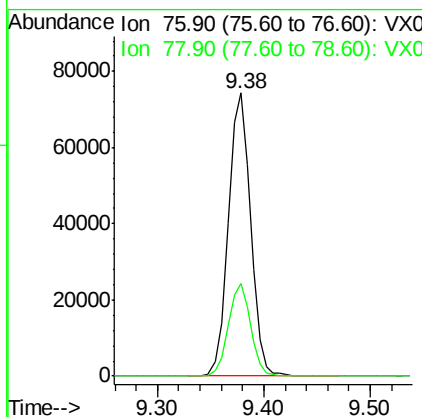
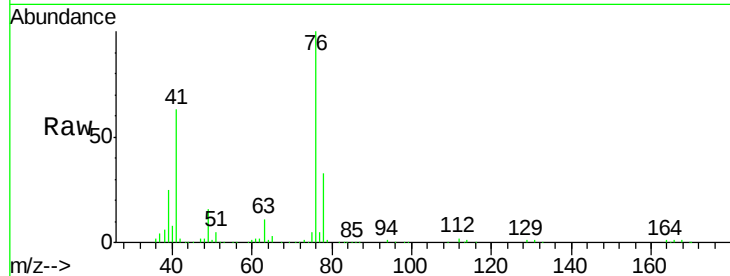
#57
 1,3-Dichloropropane
 Concen: 20.17 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001507.D
 Acq: 08 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6

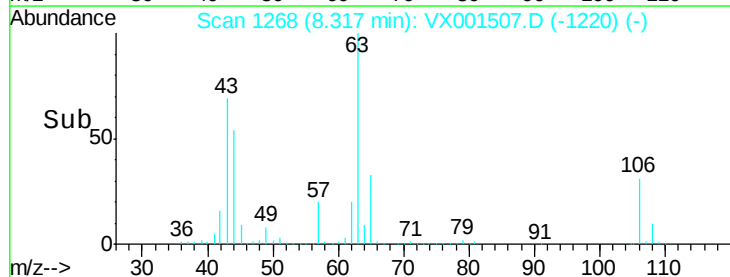
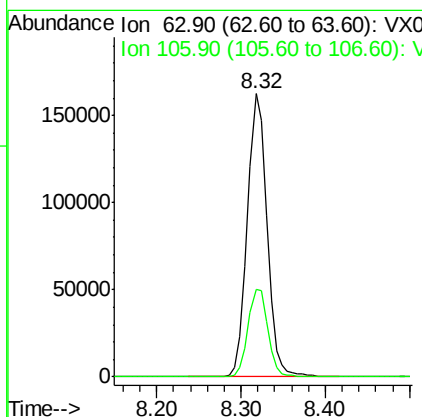
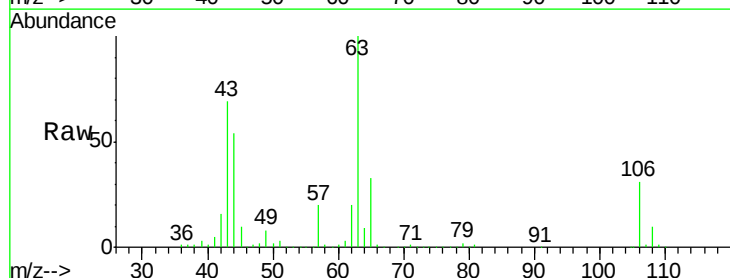
Manual Integrations
 APPROVED

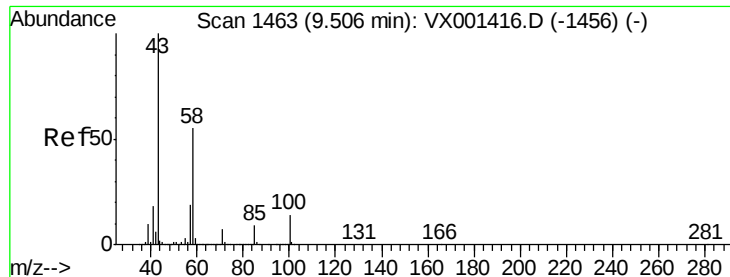
MMDadoda
 5/10/2018 1:11:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.78 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001507.D
 Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.5	25.4	38.0





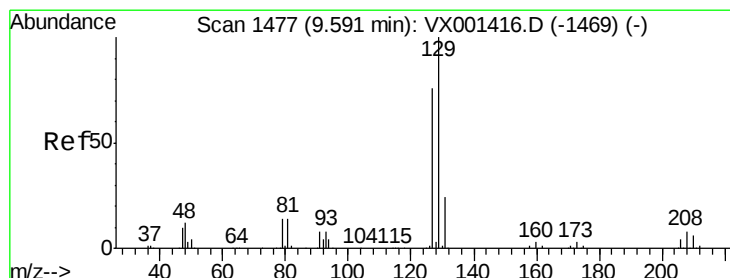
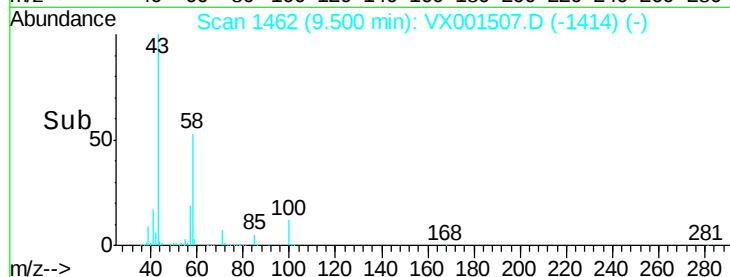
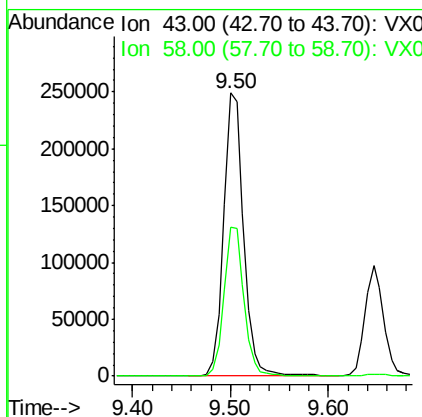
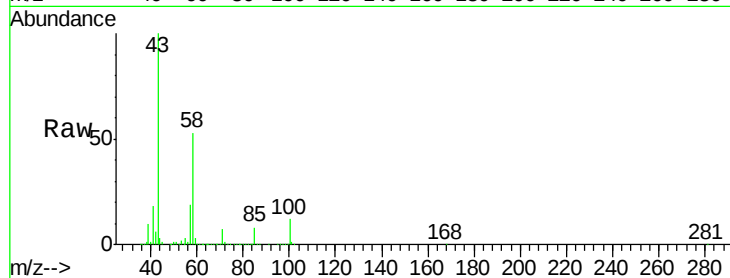
#59
2-Hexanone
Concen: 96.34 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion: 43 Resp: 351167
Ion Ratio Lower Upper
43 100
58 53.2 27.1 81.2

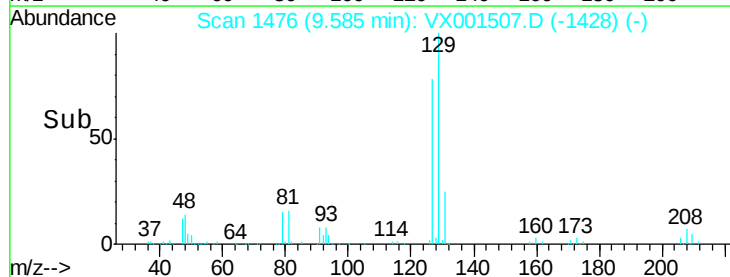
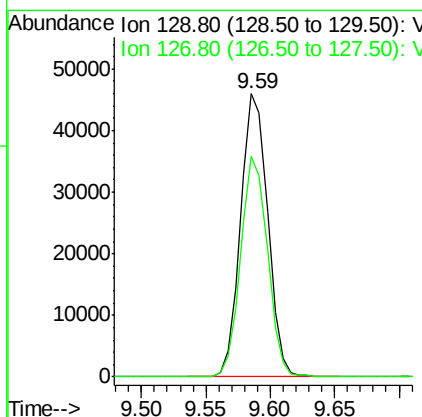
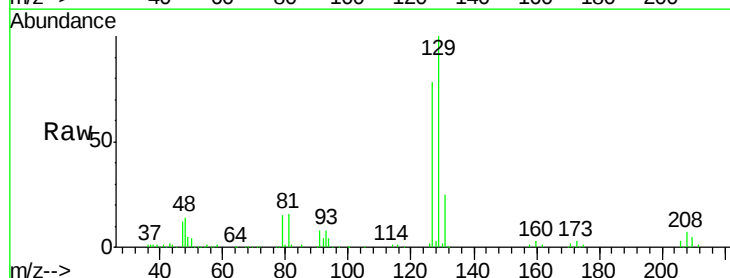
Manual Integrations
APPROVED

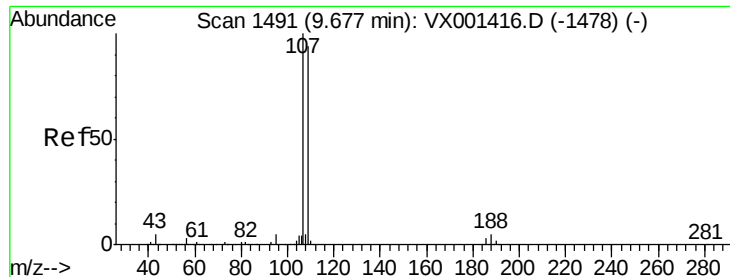
MMDadoda
5/10/2018 1:11:32 PM



#60
Dibromochloromethane
Concen: 19.97 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion: 129 Resp: 66975
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.42 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS01

Tot Ion:107 Resp: 70231

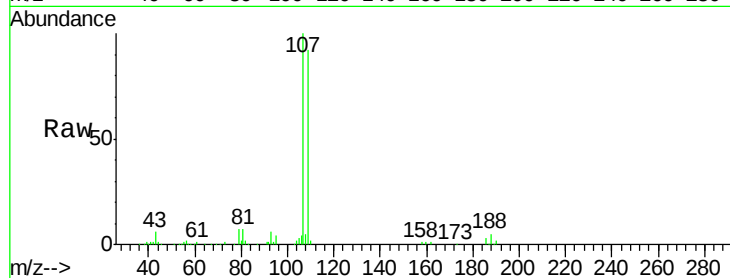
Ion Ratio Lower Upper

107 100

109 94.5 75.5 113.3

Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:11:32 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

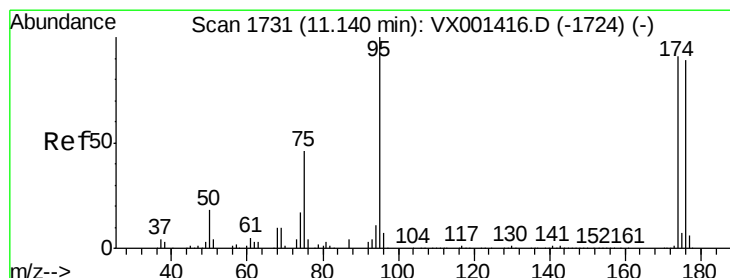
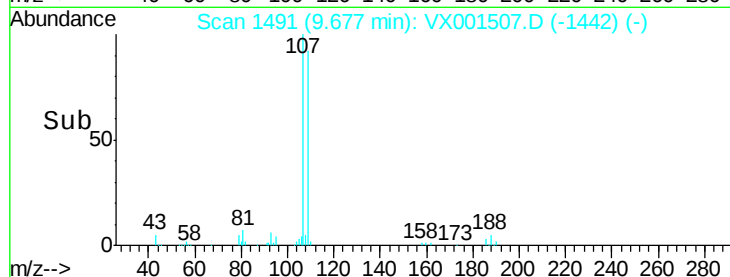
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

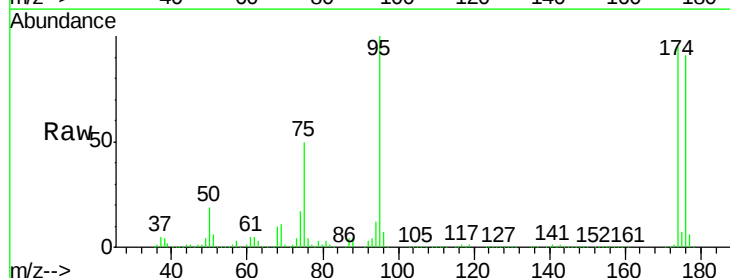
Tgt Ion: 95 Resp: 211433

Ion Ratio Lower Upper

95 100

174 100.2 0.0 202.0

176 97.1 0.0 197.4



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

11.14

200000

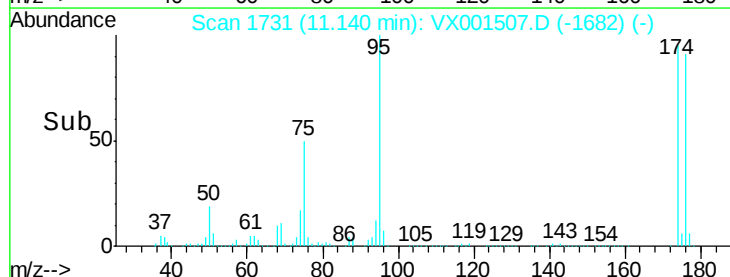
150000

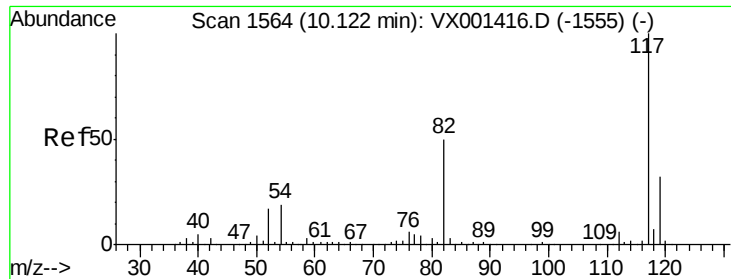
100000

50000

0

Time-->





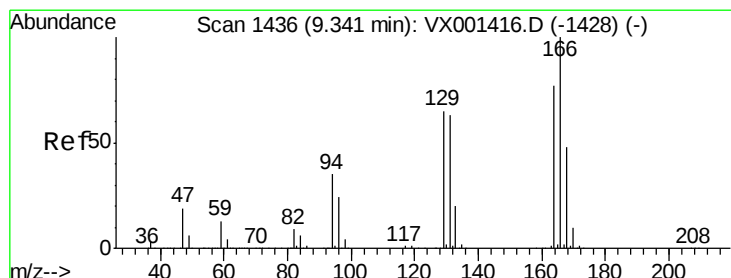
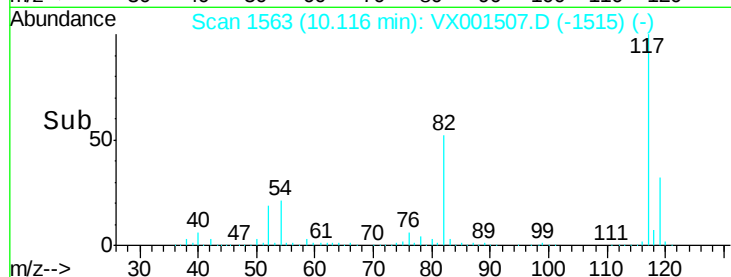
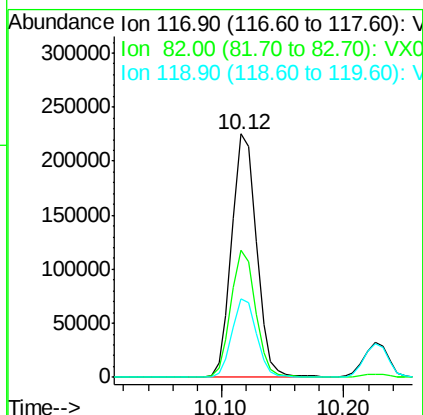
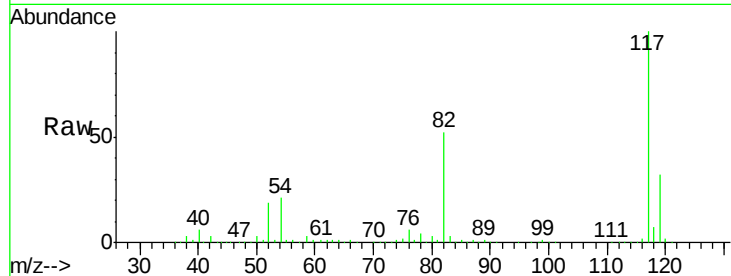
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	40.0	60.0
119	32.0	25.8	38.8

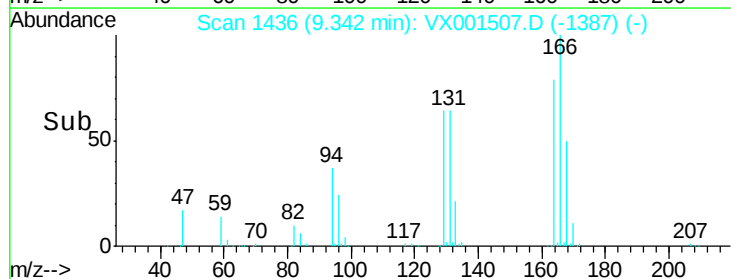
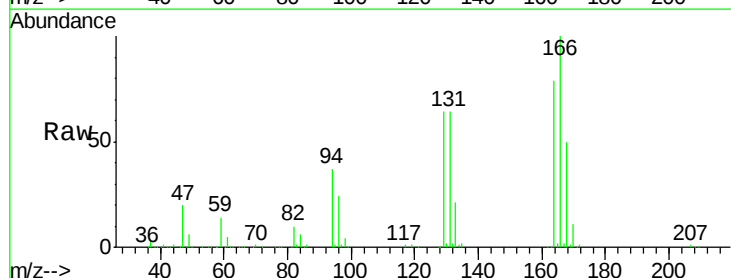
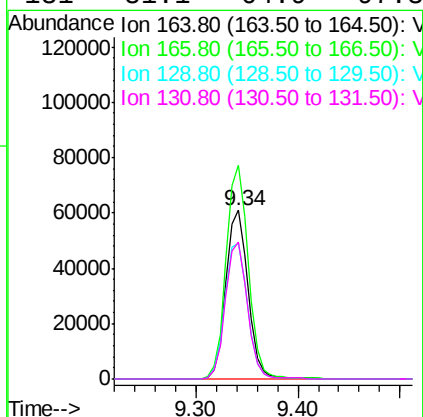
Manual Integrations
APPROVED

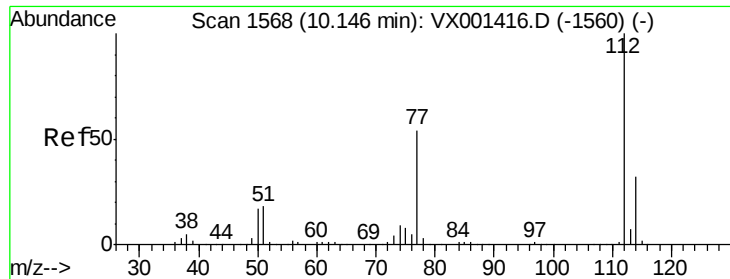
MMDadoda
5/10/2018 1:11:32 PM



#64
Tetrachloroethene
Concen: 20.70 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	103.5	155.3
129	80.6	66.7	100.1
131	81.1	64.9	97.3





#65

Chlorobenzene

Concen: 20.51 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampled :

VX0508WBS01

Tot Ion:112 Resp: 190452

Ion Ratio Lower Upper

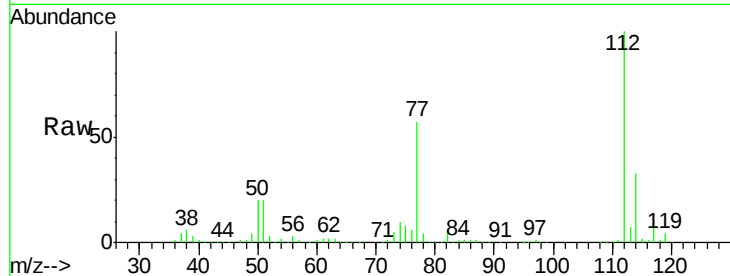
112 100

114 32.7 26.0 39.0

Manual Integrations
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MMDadoda

5/10/2018 1:11:32 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

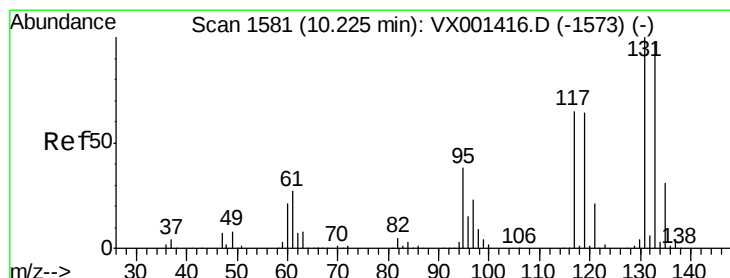
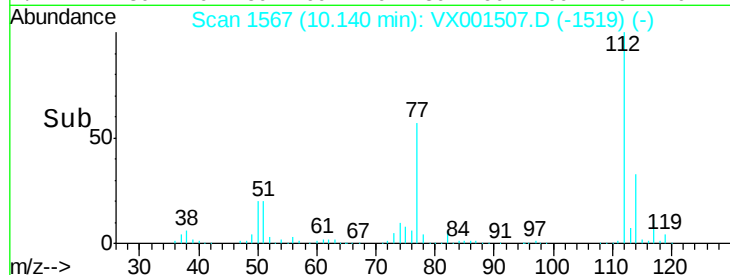
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.77 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

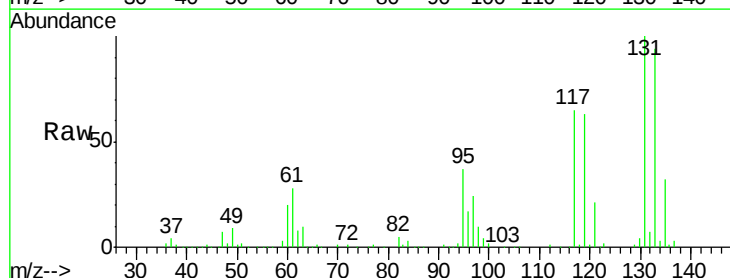
Tgt Ion:131 Resp: 69006

Ion Ratio Lower Upper

131 100

133 96.6 47.9 143.8

119 62.4 31.1 93.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

100000

80000

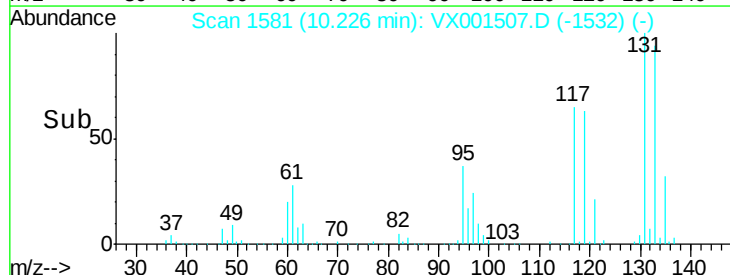
60000

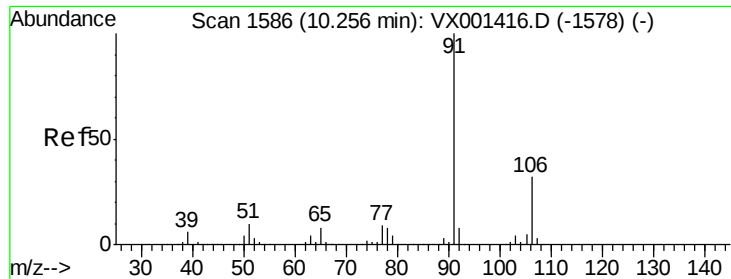
40000

20000

0

Time-->





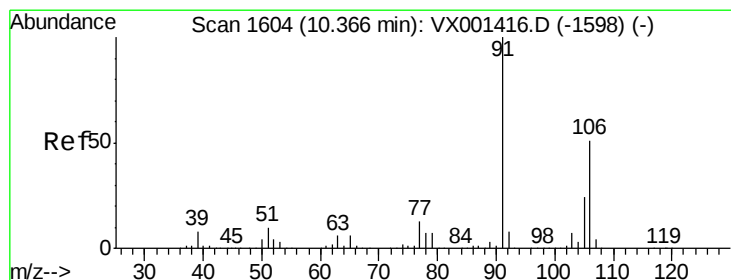
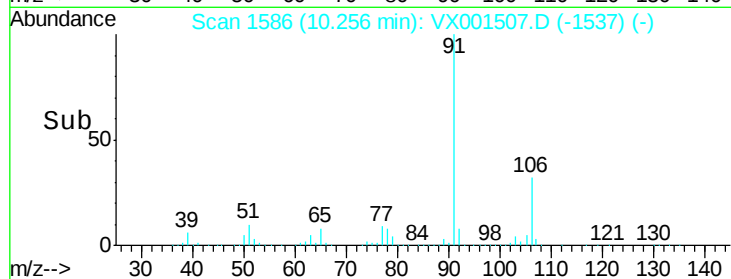
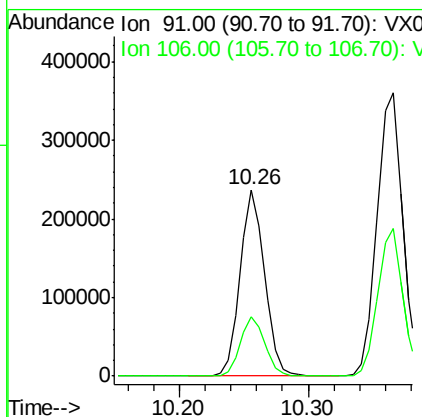
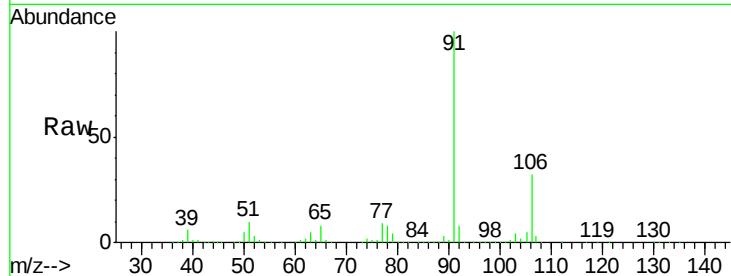
#67
Ethyl Benzene
Concen: 20.57 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion: 91 Resp: 313108
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

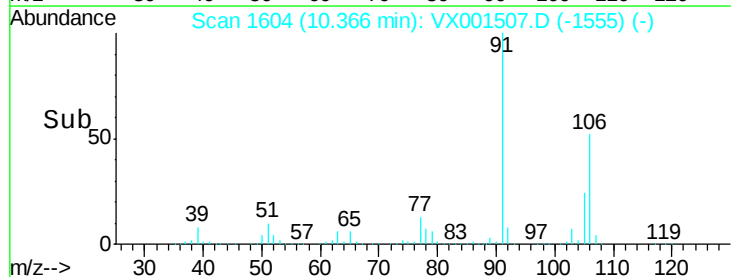
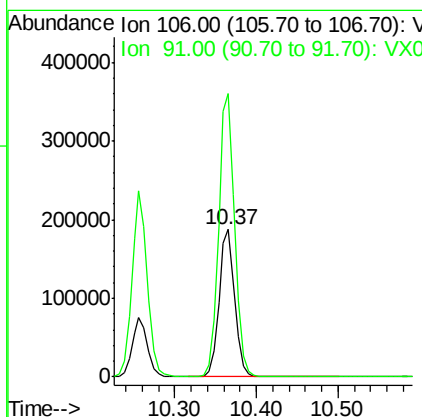
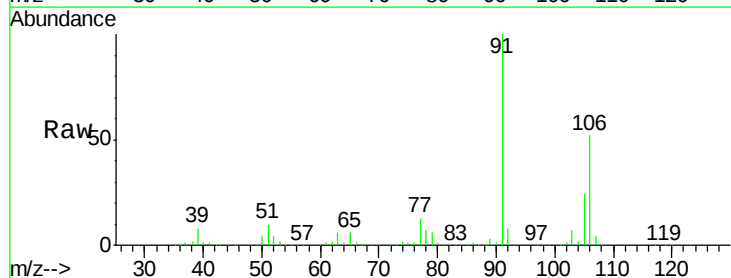
Manual Integrations
APPROVED

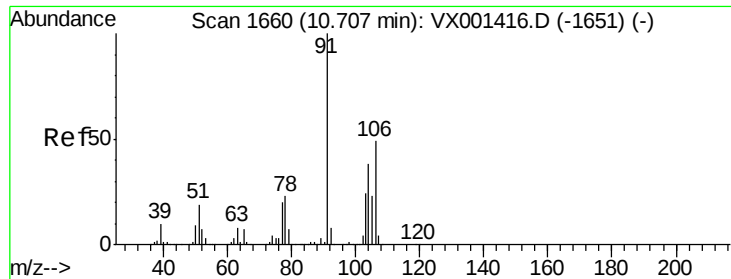
MMDadoda
5/10/2018 1:11:32 PM



#68
m/p-Xylenes
Concen: 41.87 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion: 106 Resp: 251851
Ion Ratio Lower Upper
106 100
91 196.3 157.5 236.3





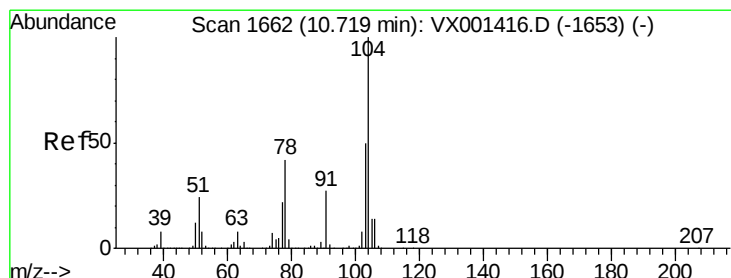
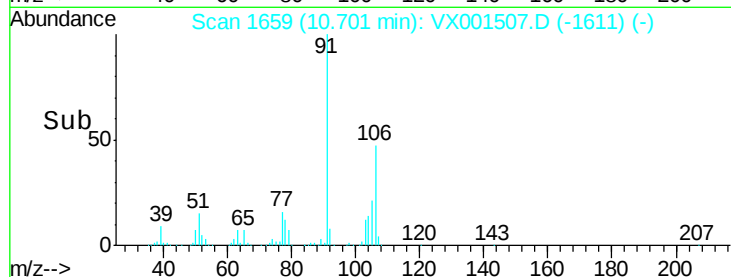
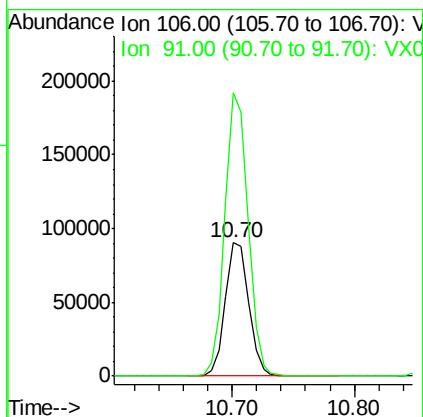
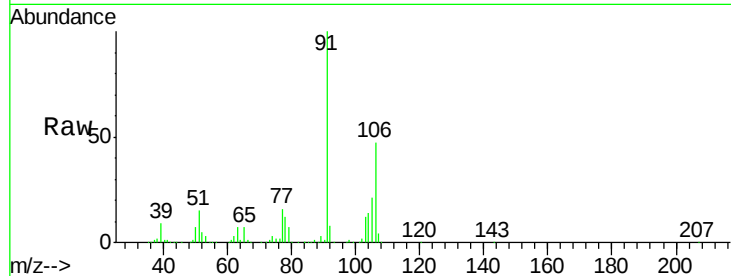
#69
o-Xylene
Concen: 20.61 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	210.0	103.1	120474	309.1	

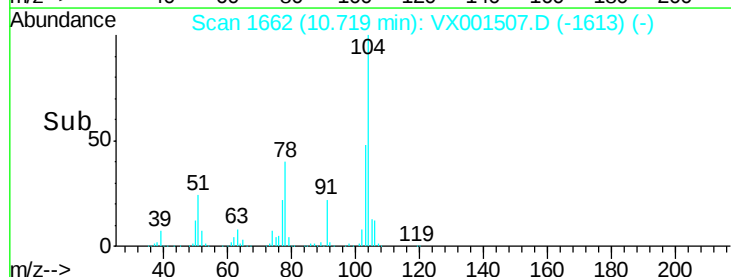
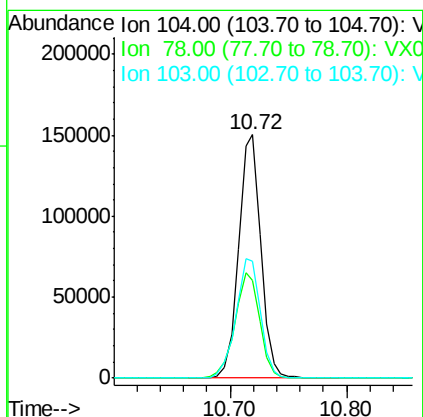
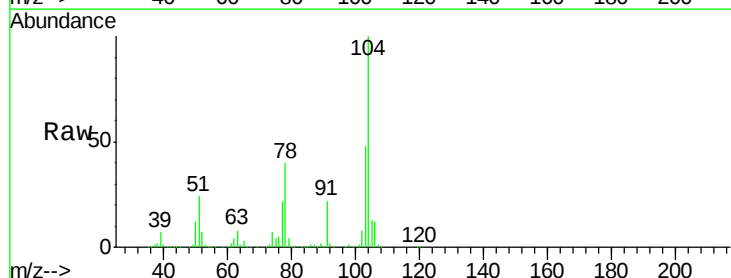
Manual Integrations
APPROVED

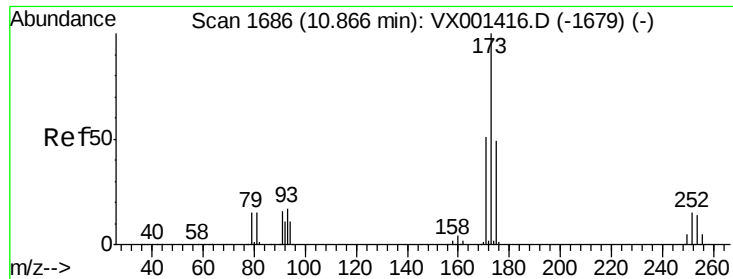
MMDadoda
5/10/2018 1:11:32 PM



#70
Styrene
Concen: 21.03 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.4	38.6	199716	58.0	
103	54.2	44.0		66.0	





#71

Bromoform

Concen: 18.81 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

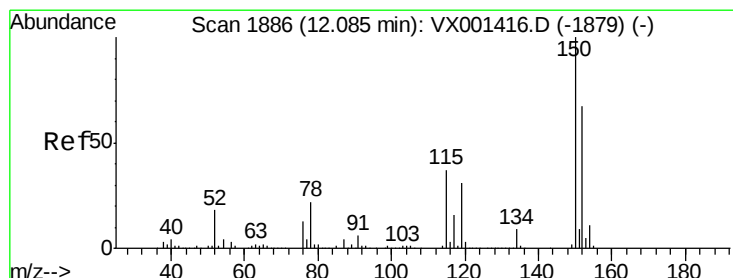
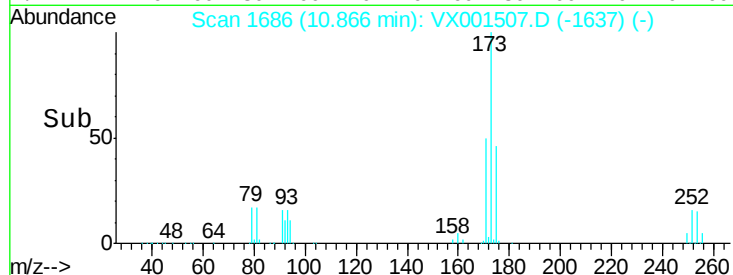
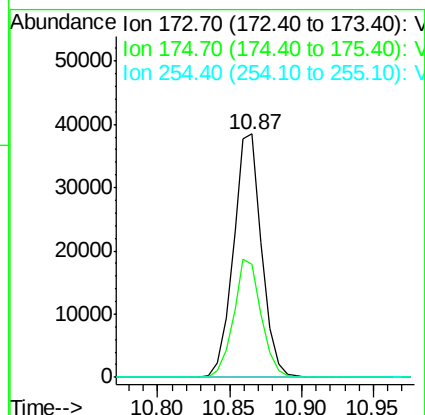
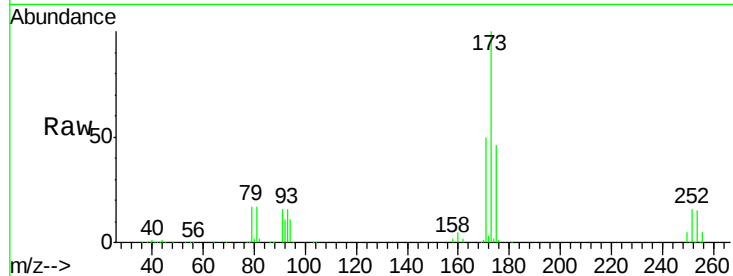
ClientSampleId :

VX0508WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.5	73.5
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:11:32 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

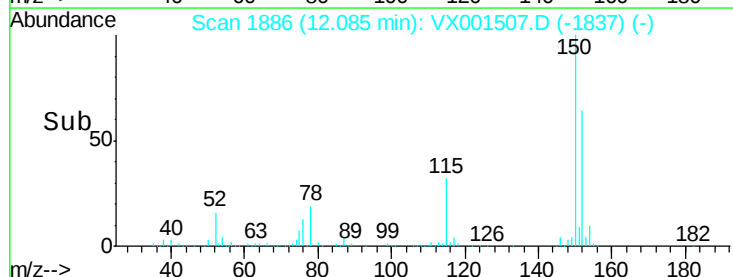
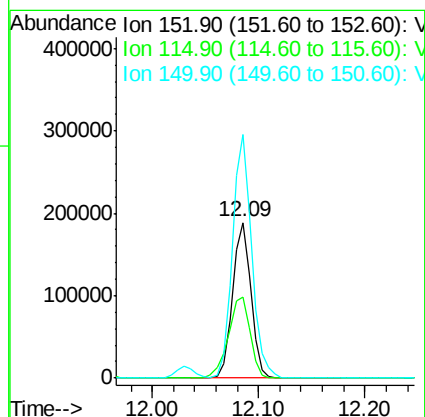
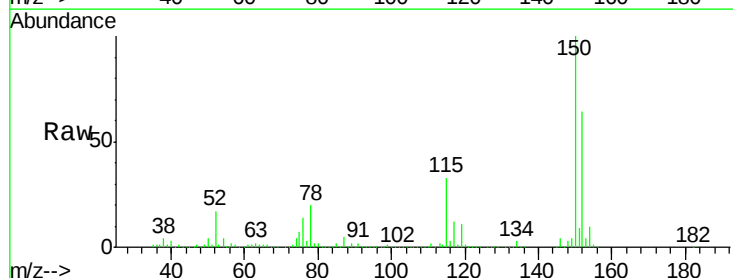
RT: 12.09 min Scan# 1886

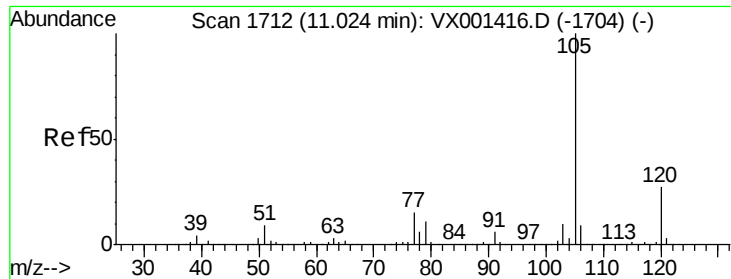
Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	37.7	113.1
150	163.9	0.0	349.4





#73

Isopropylbenzene

Concen: 20.87 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS01

Tot Ion: 105 Resp: 328758

Ion Ratio Lower Upper

105 100

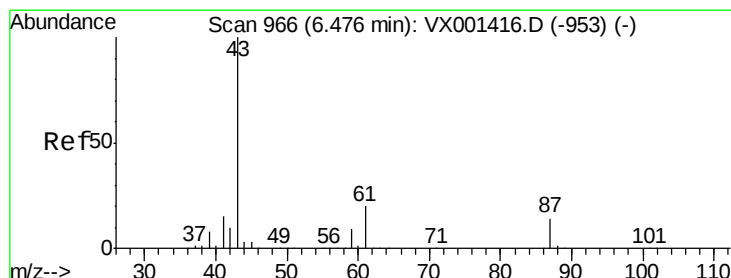
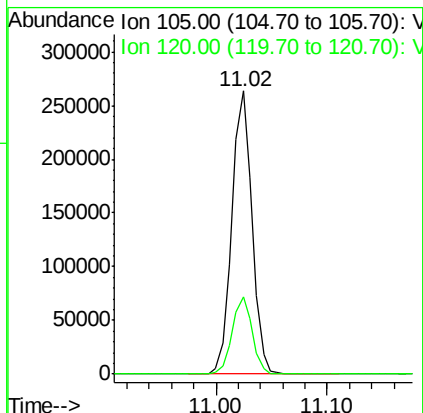
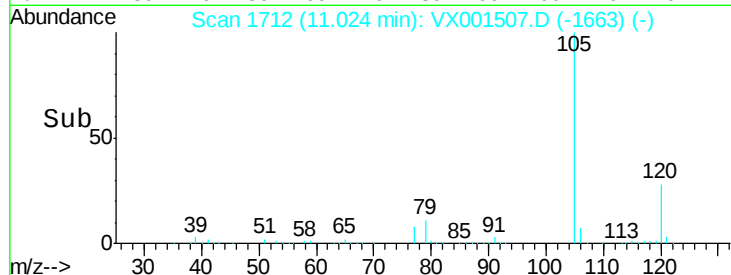
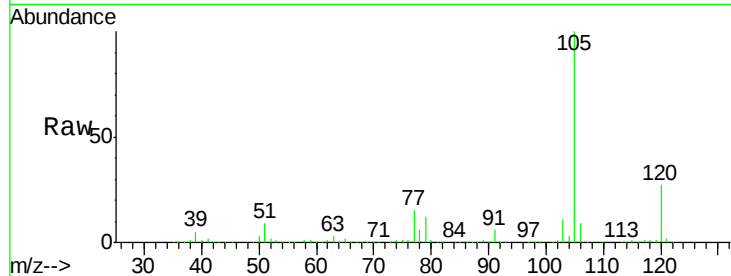
120 27.0 13.6 40.8

Manual Integrations

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MMDadoda

5/10/2018 1:11:32 PM



#74

N-ethyl acetate

Concen: 20.26 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Tgt Ion: 43 Resp: 144960

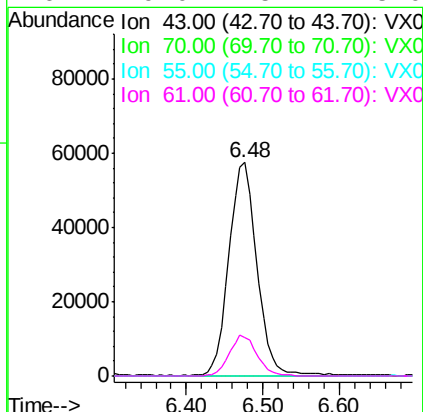
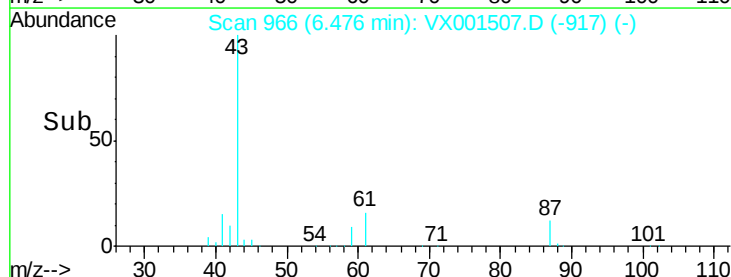
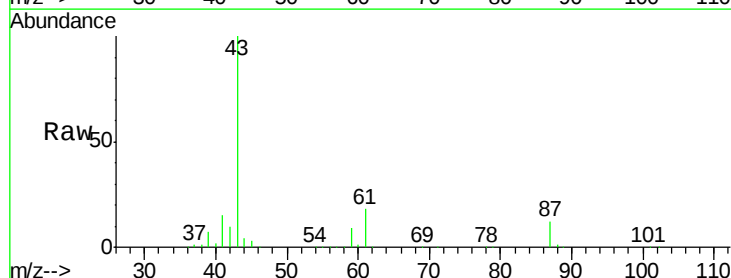
Ion Ratio Lower Upper

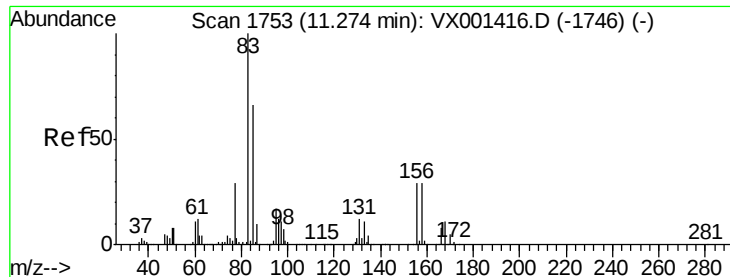
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 19.0 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.78 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

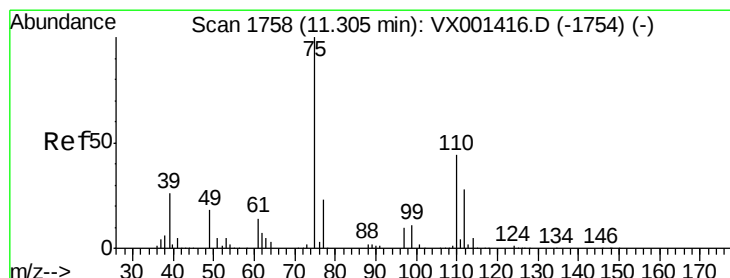
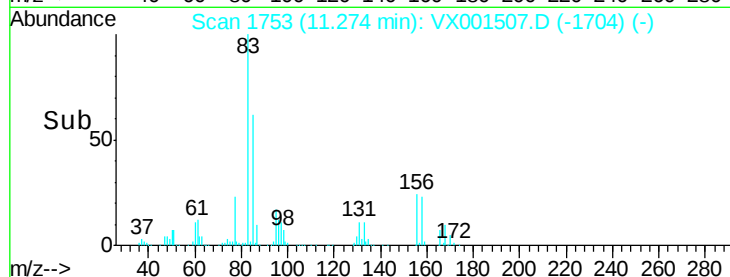
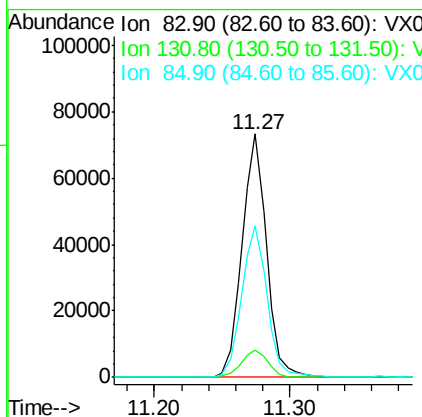
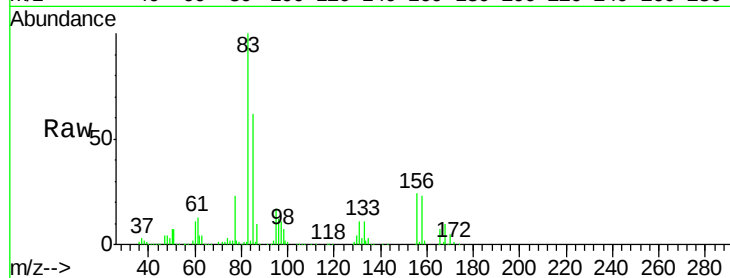
ClientSampleId :

VX0508WBS01

Tot Ion:	83	Resp:	92011
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.8	17.4
85	64.3	32.7	98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.54 ug/l m

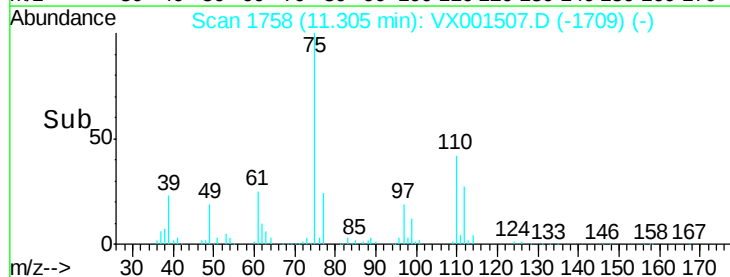
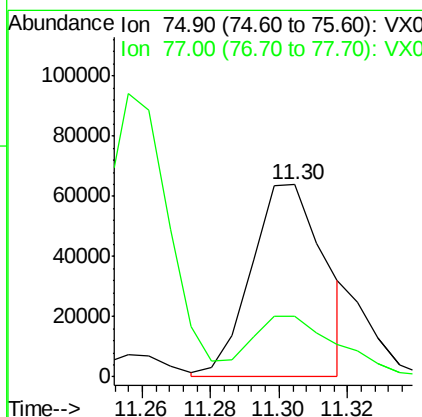
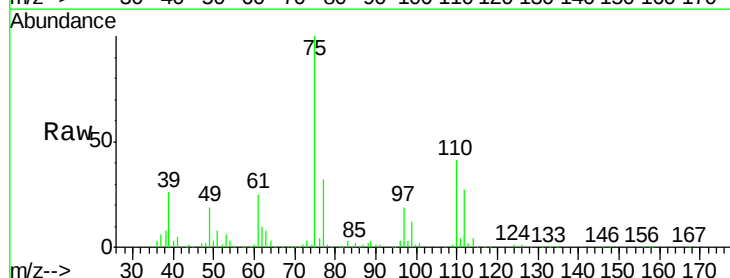
RT: 11.30 min Scan# 1758

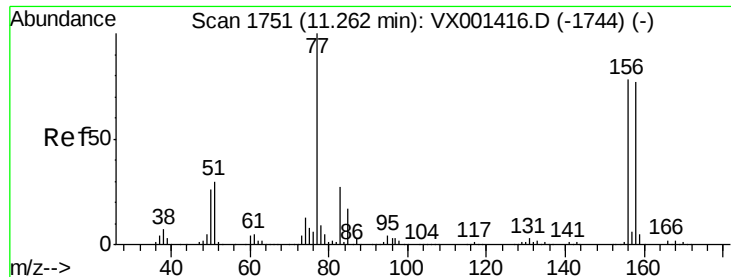
Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Tgt Ion:	75	Resp:	94814
Ion Ratio	Lower	Upper	
75	100		
77	38.3	19.6	58.7





#77

Bromobenzene

Concen: 20.47 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS01

Tot Ion:156 Resp: 93772

Ion Ratio Lower Upper

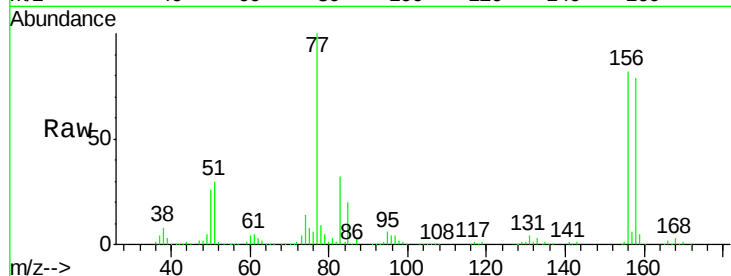
156 100

77 130.9 66.0 198.2

158 96.4 49.4 148.2

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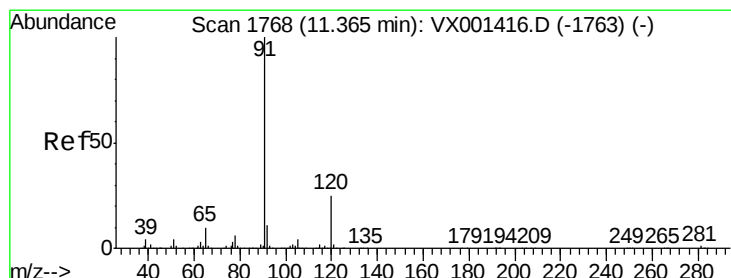
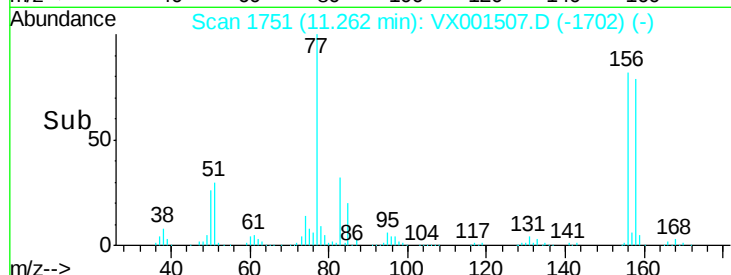
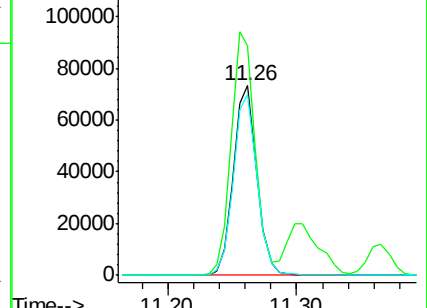
MMDadoda
5/10/2018 1:11:32 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.52 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001507.D

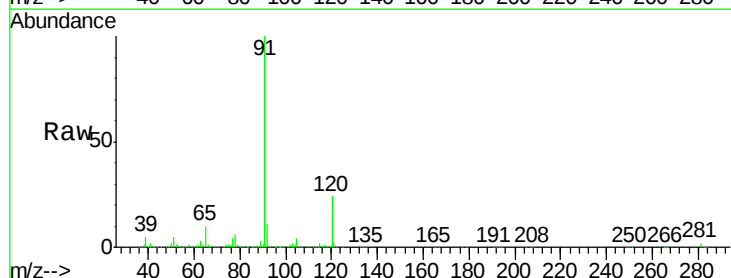
Acq: 08 May 2018 12:13

Tgt Ion: 91 Resp: 369135

Ion Ratio Lower Upper

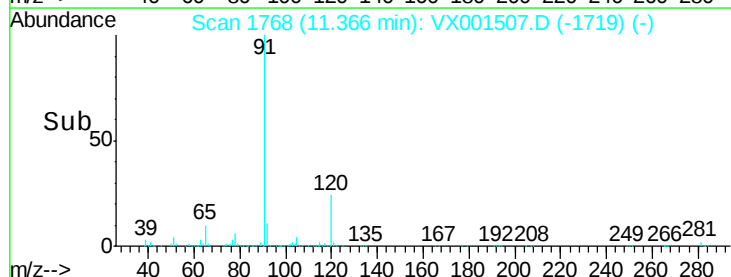
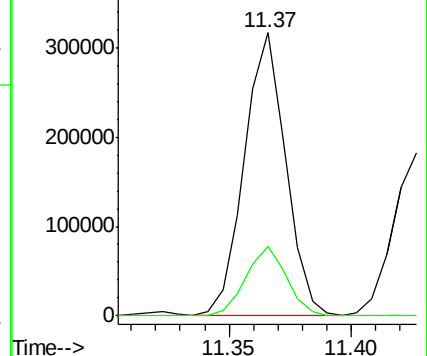
91 100

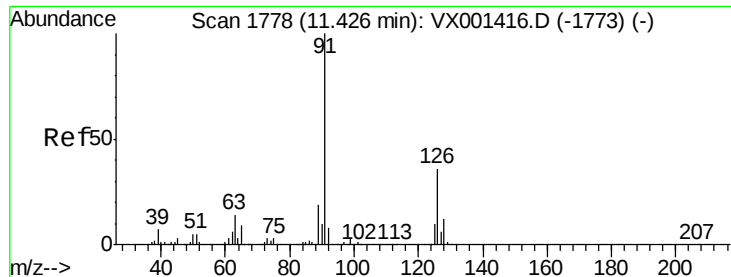
120 24.5 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.72 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS01

Tot Ion: 91 Resp: 218697

Ion Ratio Lower Upper

91 100

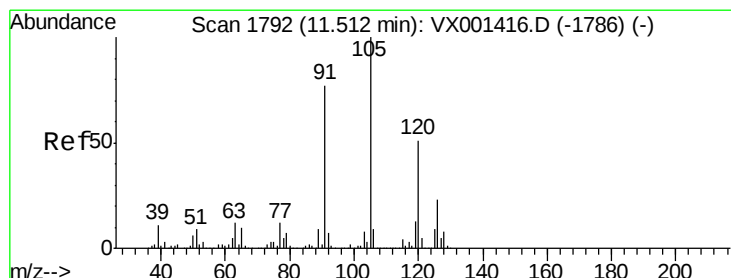
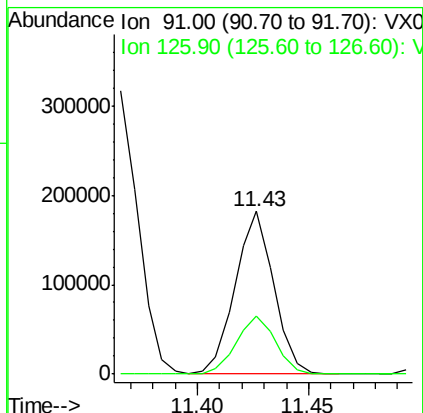
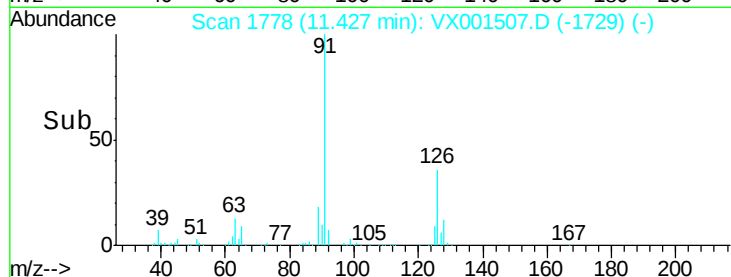
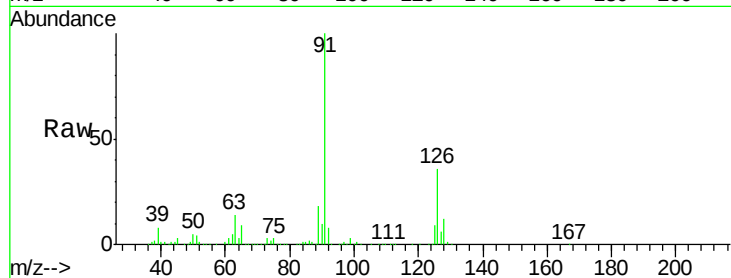
126 36.6 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.91 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001507.D

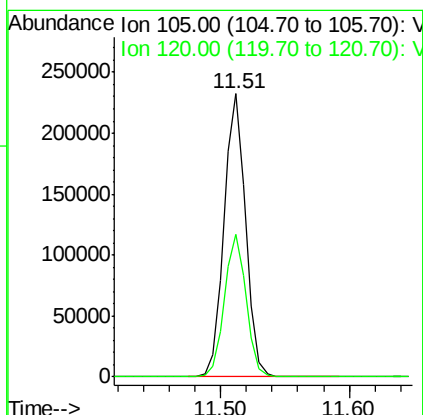
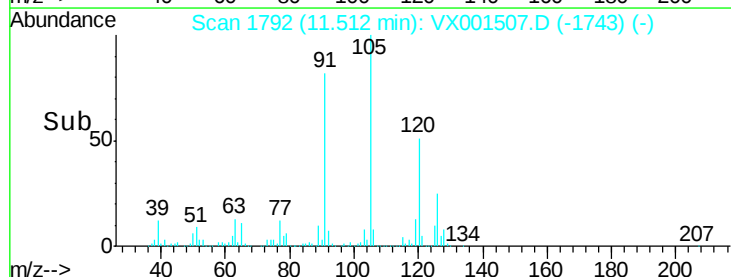
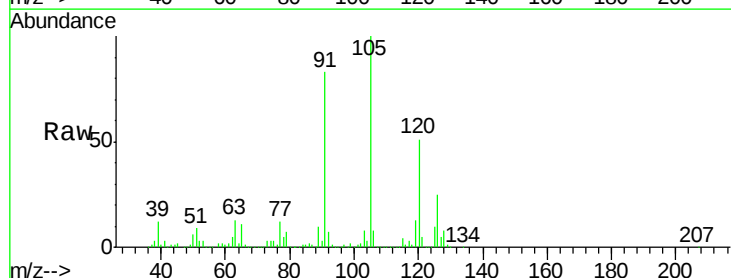
Acq: 08 May 2018 12:13

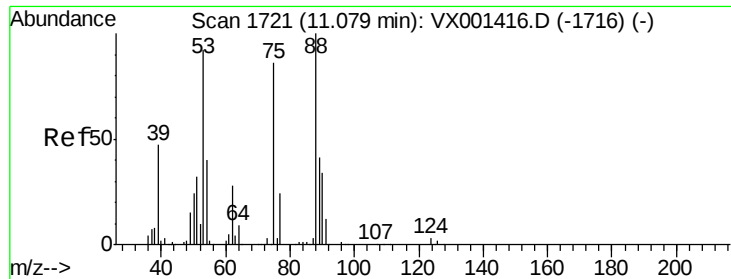
Tgt Ion: 105 Resp: 274235

Ion Ratio Lower Upper

105 100

120 50.8 25.7 77.1





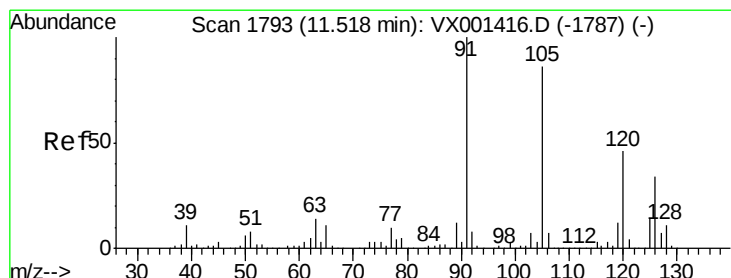
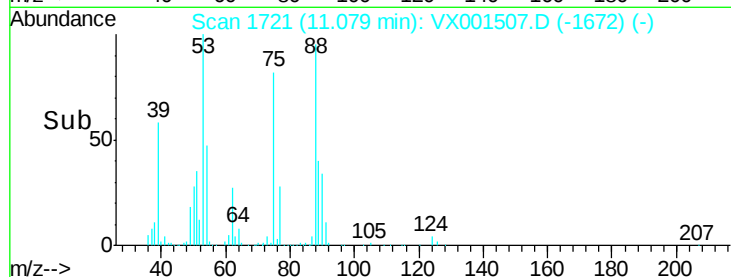
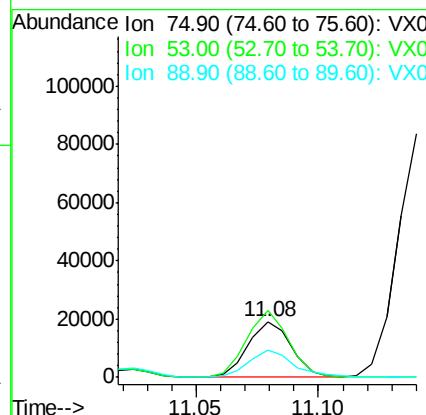
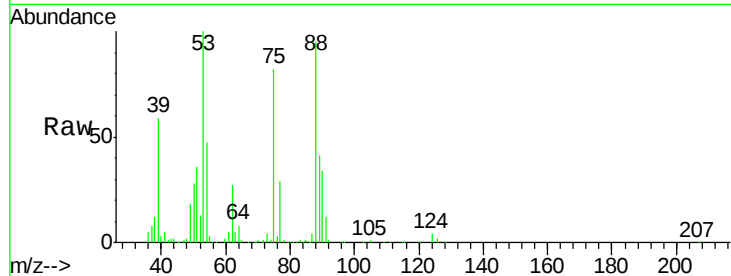
#81
trans-1,4-Dichloro-2-butene
Concen: 19.16 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.1	84.5	126.7
89	52.3	39.5	59.3

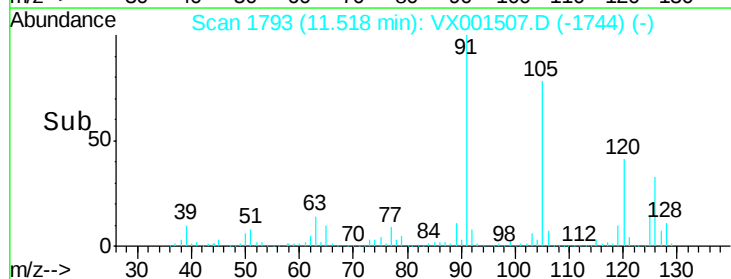
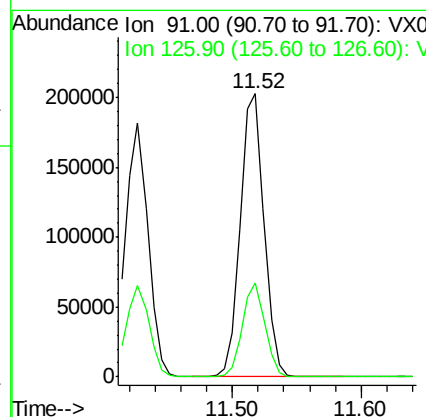
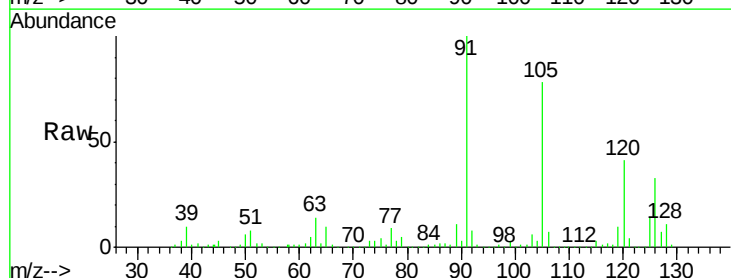
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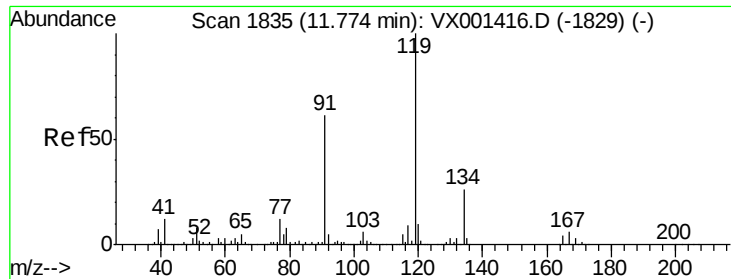
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#82
4-Chlorotoluene
Concen: 21.35 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.2	48.5





#83

tert-Butylbenzene

Concen: 20.46 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

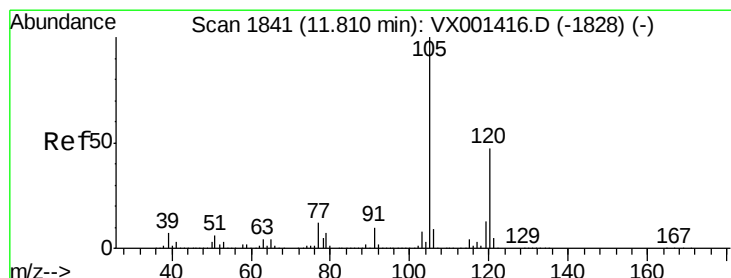
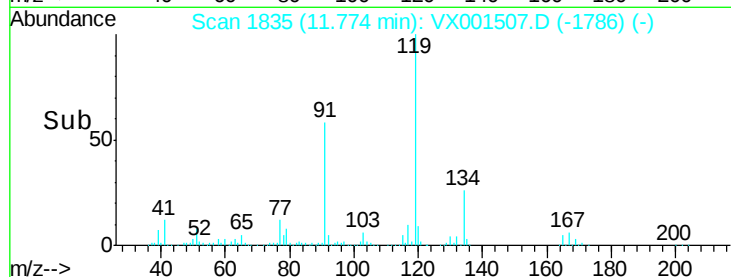
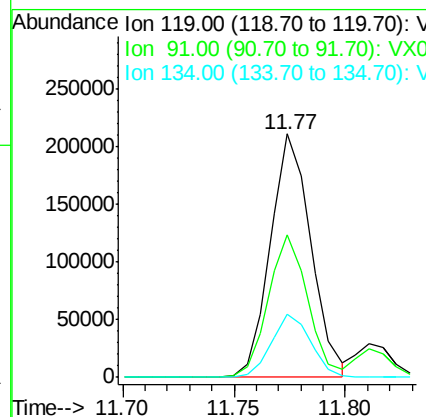
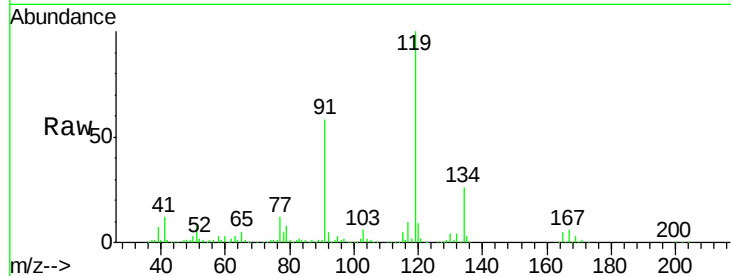
ClientSampleId :

VX0508WBS01

Tot Ion:	119	Resp:	266995
Ion Ratio	Lower	Upper	
119	100		
91	57.3	27.8	83.3
134	25.2	12.4	37.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.01 ug/l

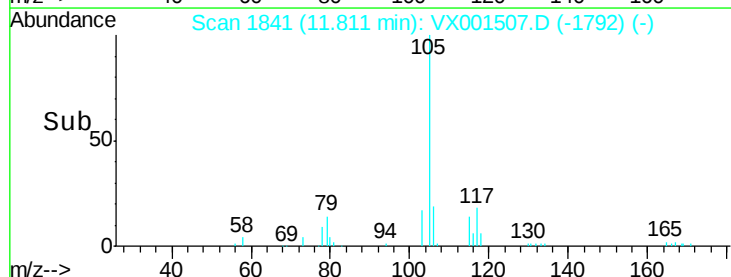
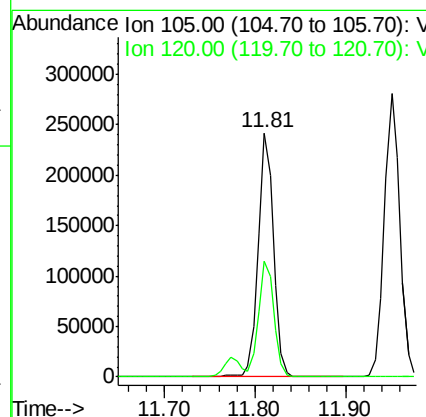
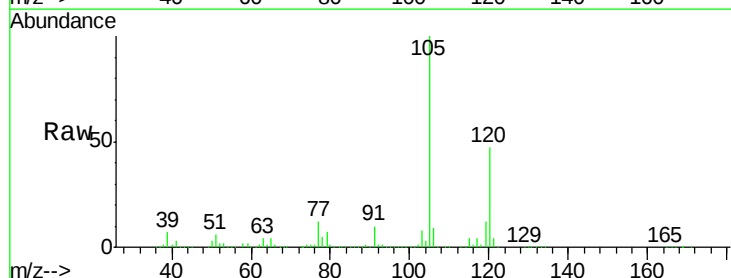
RT: 11.81 min Scan# 1841

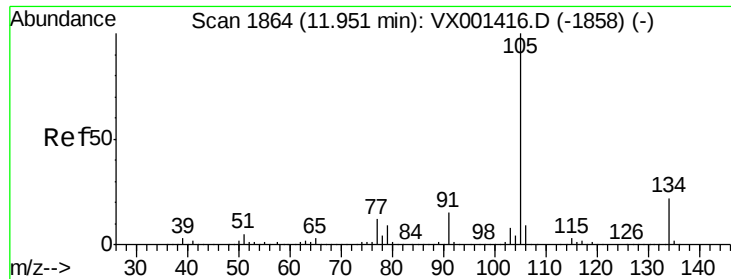
Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Tgt Ion:	105	Resp:	283213
Ion Ratio	Lower	Upper	
105	100		
120	46.9	23.4	70.2





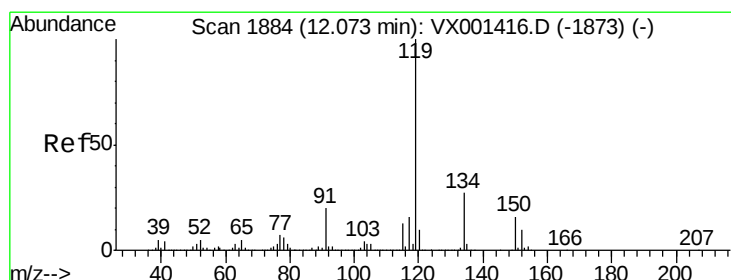
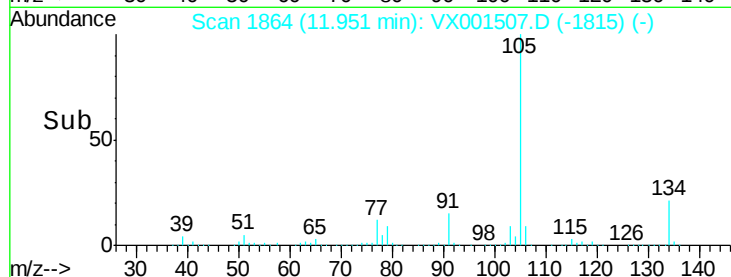
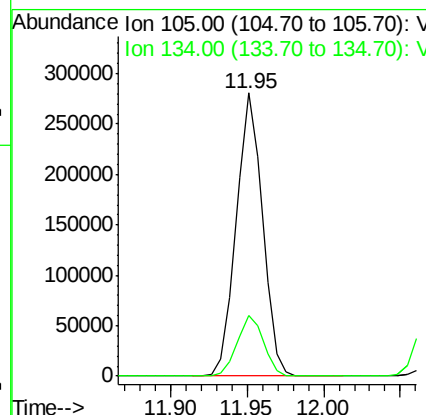
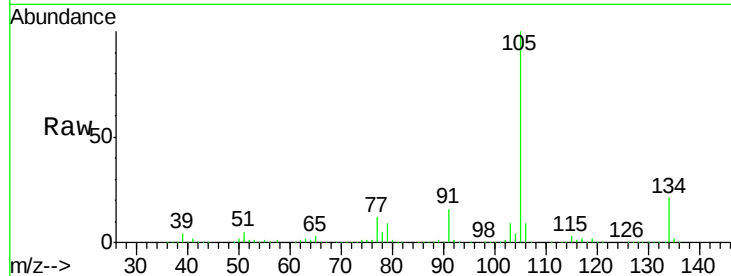
#85
 sec-Butylbenzene
 Concen: 21.31 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001507.D
 Acq: 08 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.9	32.9

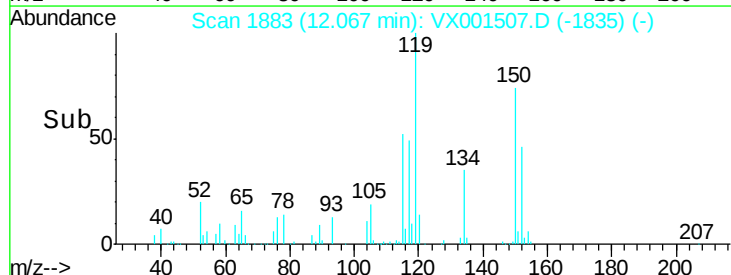
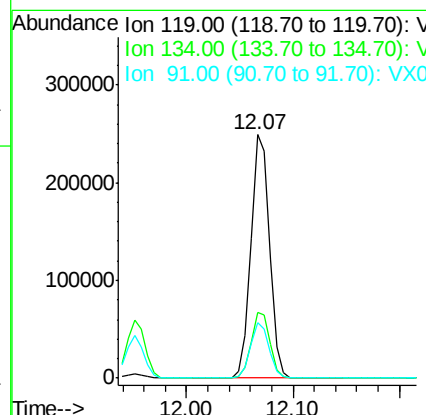
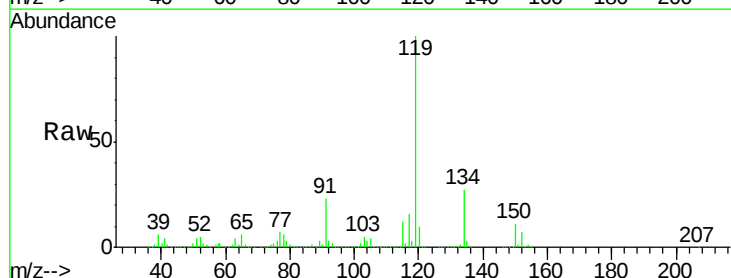
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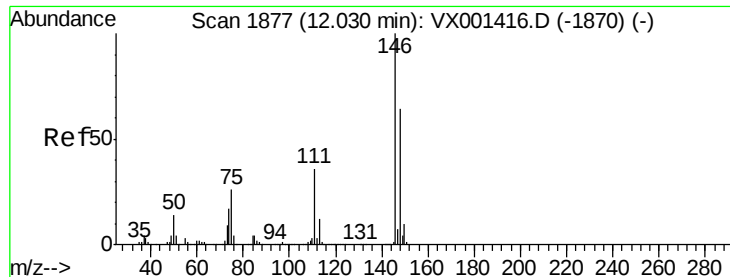
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#86
 p-Isopropyltoluene
 Concen: 21.31 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VX001507.D
 Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.8
91	22.6	10.8	32.3





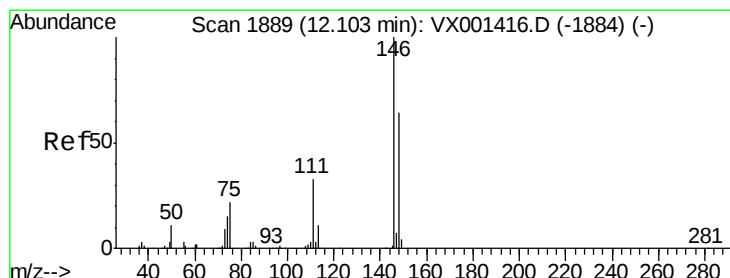
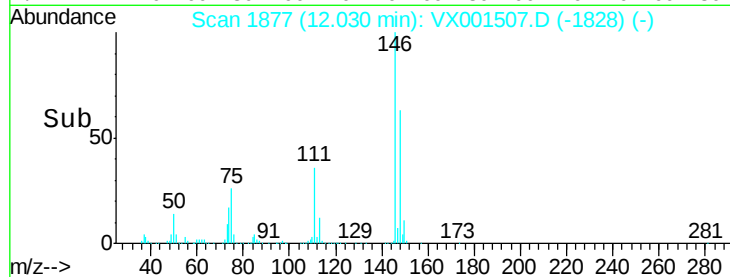
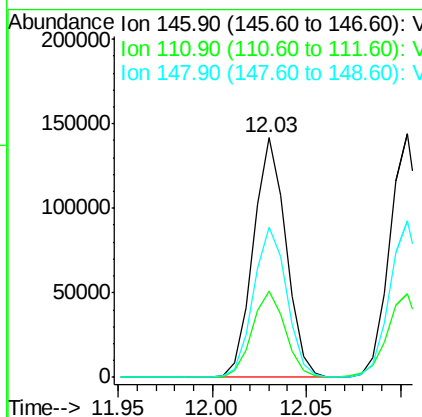
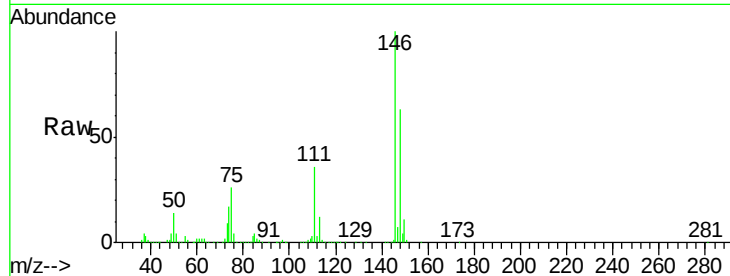
#87
 1,3-Dichlorobenzene
 Concen: 20.83 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001507.D
 Acq: 08 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	170556		
111	36.5	18.1	54.1	
148	63.8	32.1	96.5	

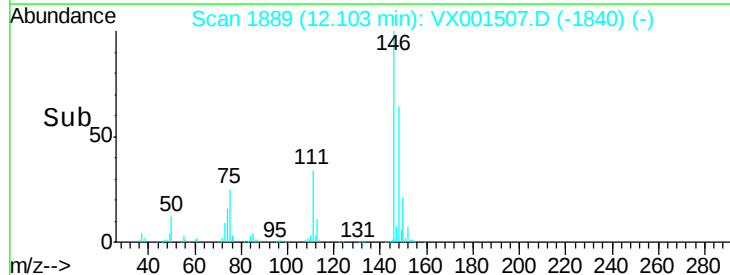
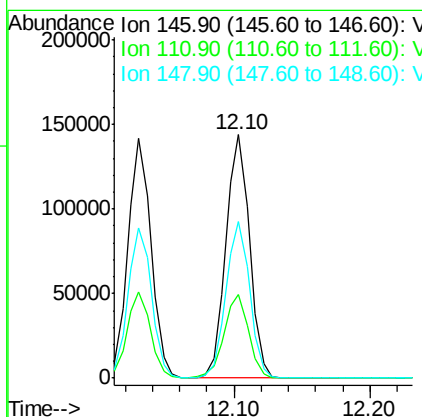
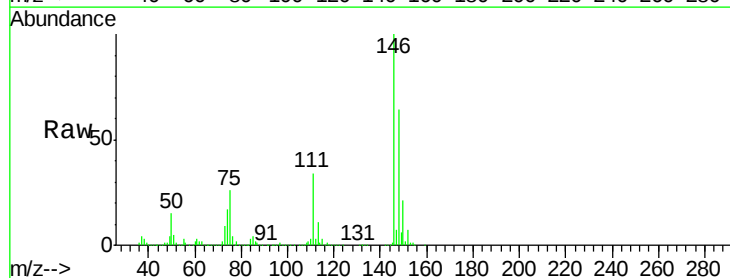
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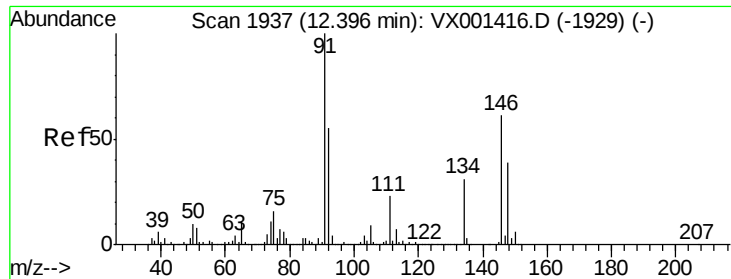
MMDadoda
 5/10/2018 1:11:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.72 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001507.D
 Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	173008		
111	35.8	17.4	52.3	
148	64.9	32.2	96.6	





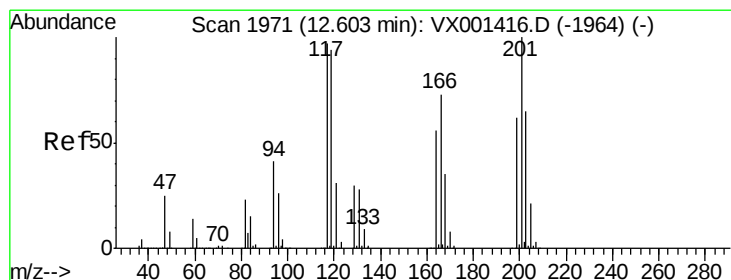
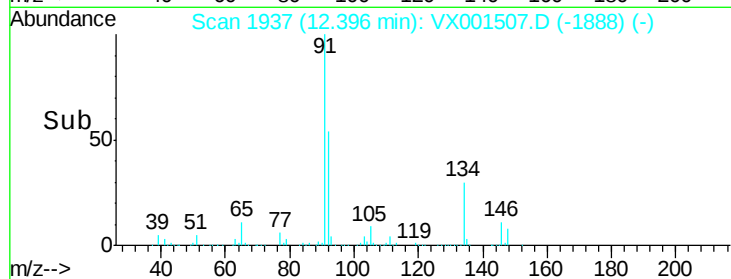
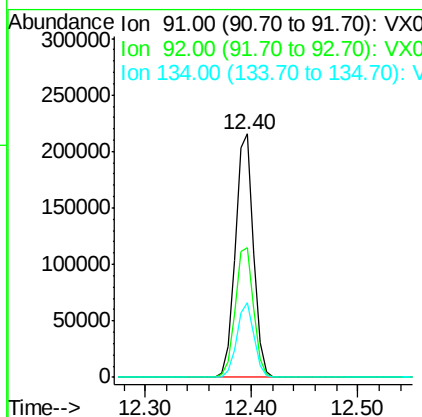
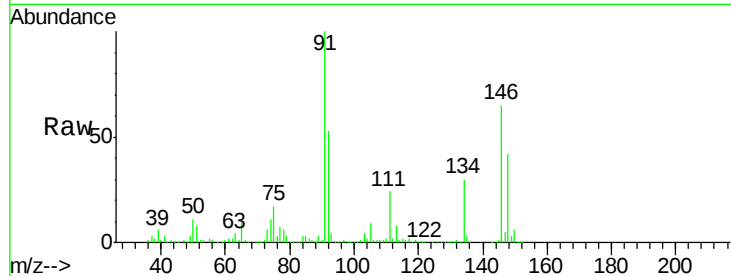
#89
n-Butylbenzene
Concen: 21.59 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	257063		
92	54.0		27.2	81.5
134	29.1		14.6	44.0

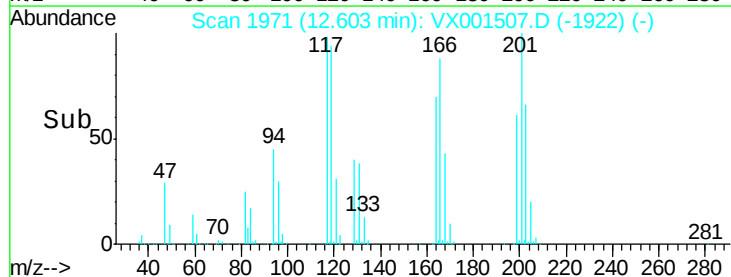
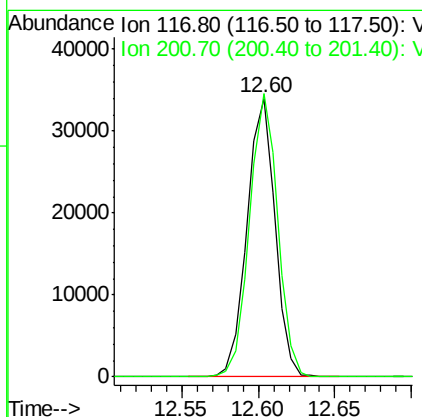
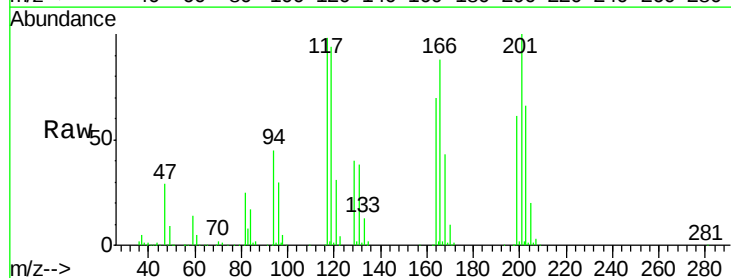
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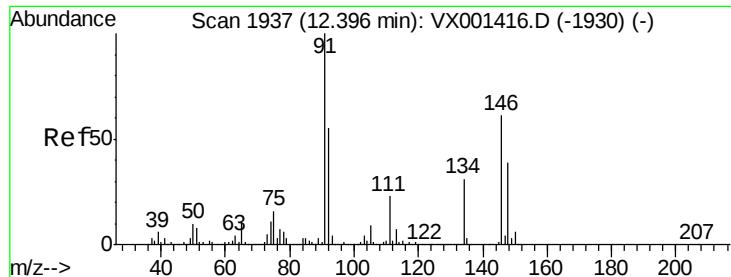
MMDadoda
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#90
Hexachloroethane
Concen: 19.96 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001507.D
Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43188		
201	102.3		51.5	154.5





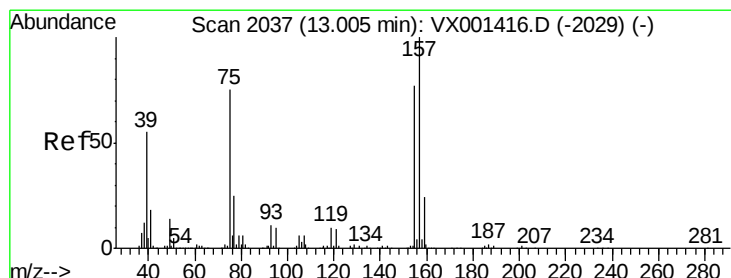
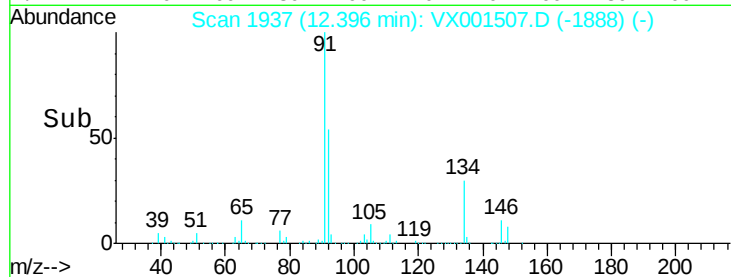
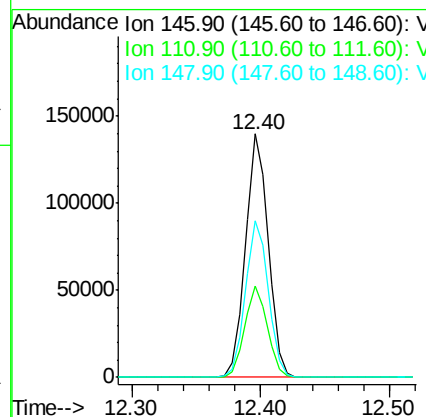
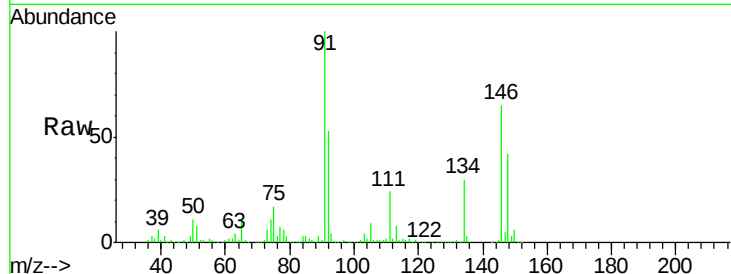
#91
 1,2-Dichlorobenzene
 Concen: 20.33 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001507.D
 Acq: 08 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	169325		
111	37.4	18.6	55.8	
148	64.8	32.1	96.5	

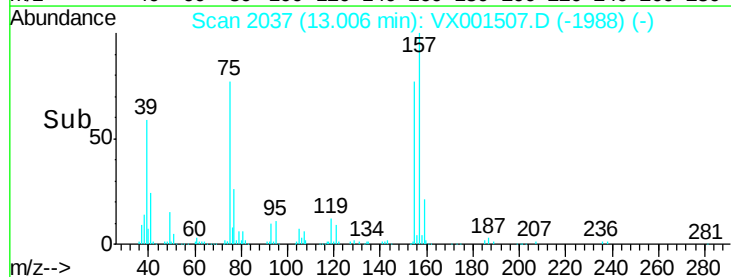
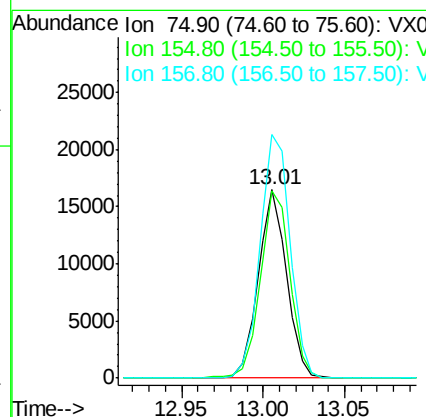
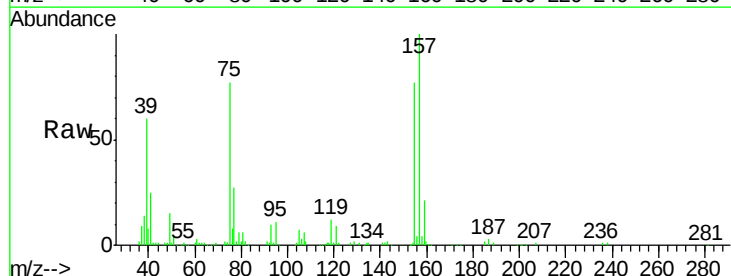
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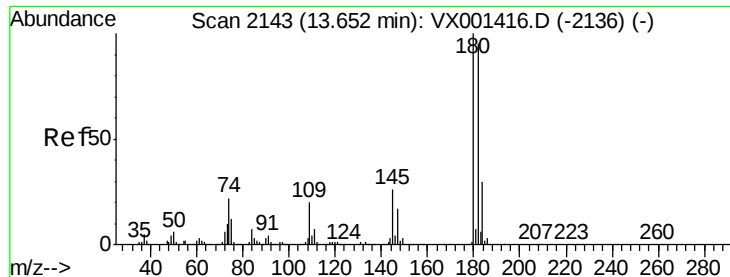
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.55 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001507.D
 Acq: 08 May 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19987		
155	103.7	53.4	160.2	
157	137.0	68.3	204.8	





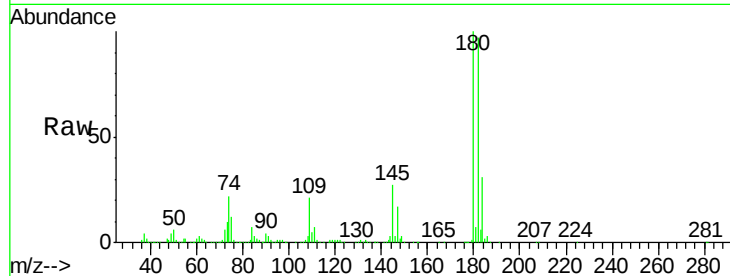
#93
 1,2,4-Trichlorobenzene
 Concen: 21.21 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001507.D
 Acq: 08 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS01

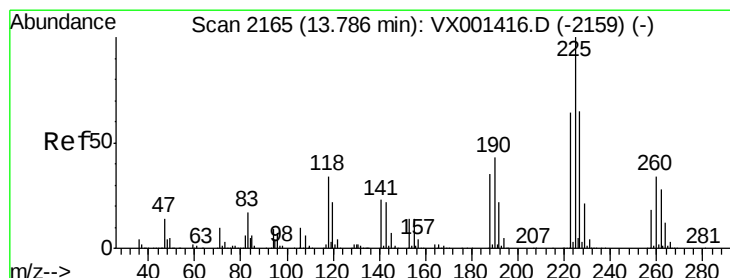
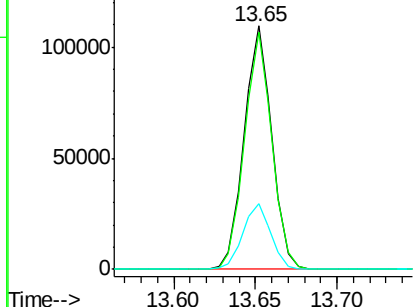
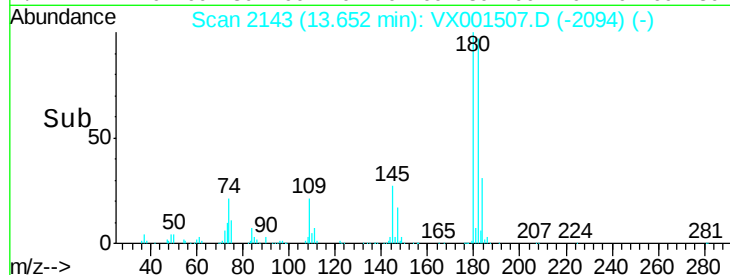
Tot Ion:	180	Resp:	129302
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.8	143.4
145	27.2	13.3	39.9

Manual Integrations
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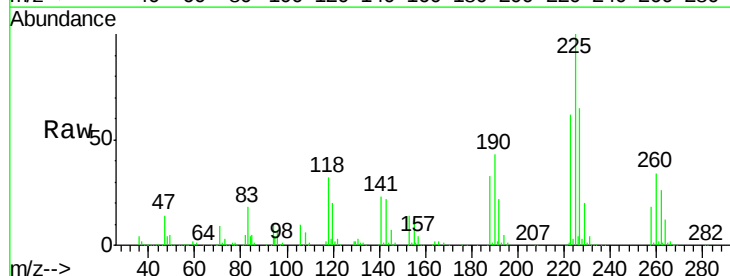


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

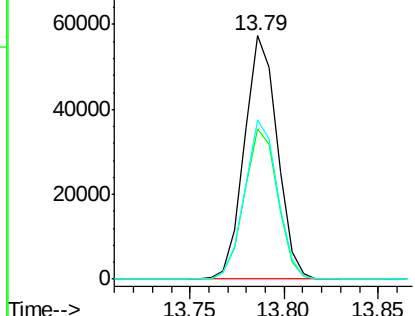
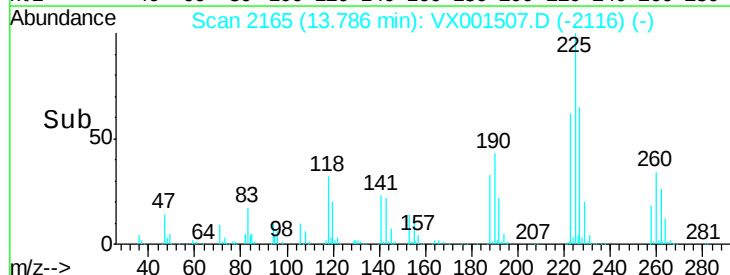


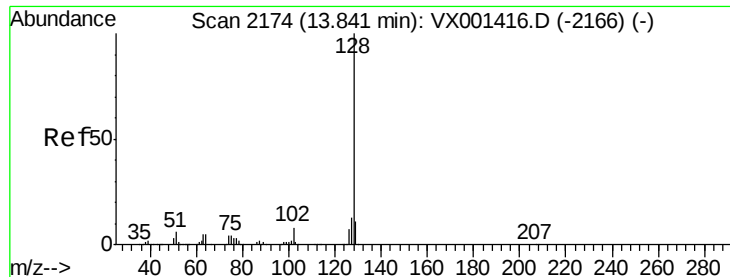
#94
 Hexachlorobutadiene
 Concen: 20.77 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001507.D
 Acq: 08 May 2018 12:13

Tgt Ion:	225	Resp:	69269
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.3	93.9
227	65.4	32.4	97.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.15 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Instrument :

MSVOA_X

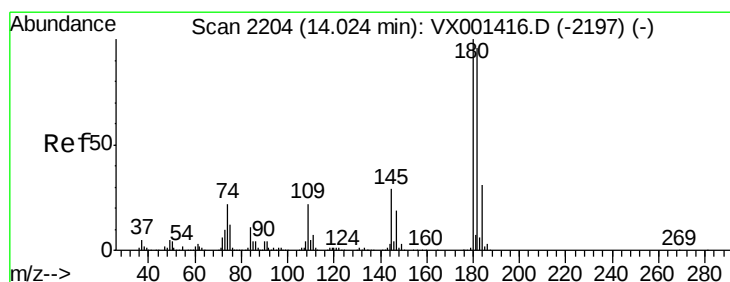
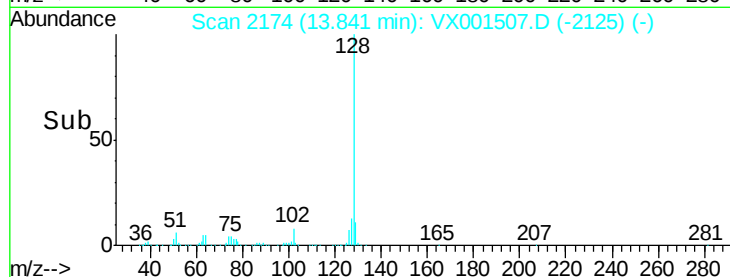
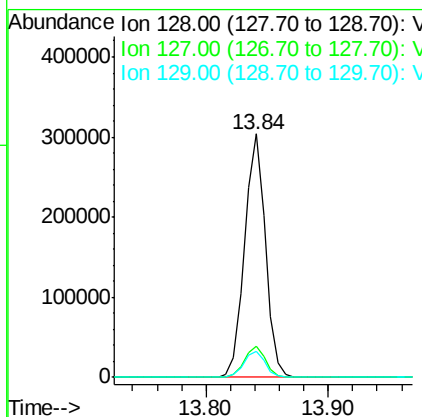
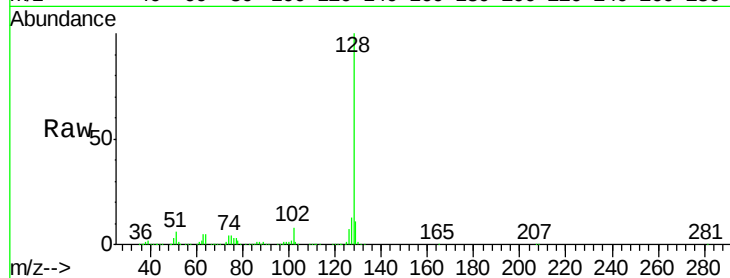
ClientSampleId :

VX0508WBS01

Tot Ion:	128	Resp:	356461
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 20.81 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001507.D

Acq: 08 May 2018 12:13

Tgt Ion:	180	Resp:	130140
Ion Ratio	Lower	Upper	
180	100		
182	97.0	48.0	144.2
145	29.1	14.1	42.4

