

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003571.D
 Acq On : 21 Jul 2018 23:17
 Operator : JC/SP
 Sample : VX0721WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 3:19:51 PM

Quant Time: Jul 23 04:11:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	296639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	384453	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	364803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	173175	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	5.50	113	168008	57.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.74%	
50) Toluene-d8	8.72	98	604137	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	
62) 4-Bromofluorobenzene	11.14	95	217901	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	51651	21.52	ug/l	96
3) Chloromethane	1.32	50	66651	22.18	ug/l	99
4) Vinyl Chloride	1.41	62	73688	19.55	ug/l #	88
5) Bromomethane	1.64	94	36623	23.10	ug/l	98
6) Chloroethane	1.73	64	46137	20.69	ug/l	99
7) Trichlorofluoromethane	1.93	101	98917	19.68	ug/l	95
8) Diethyl Ether	2.19	74	44662	20.68	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63940	19.43	ug/l	97
10) Methyl Iodide	2.51	142	79235	20.04	ug/l	93
11) Tert butyl alcohol	3.07	59	76160	109.61	ug/l	100
12) 1,1-Dichloroethene	2.37	96	60860	20.09	ug/l	92
13) Acrolein	2.29	56	24182	77.03	ug/l	99
14) Allyl chloride	2.73	41	108964	20.32	ug/l #	86
15) Acrylonitrile	3.15	53	187912	106.22	ug/l	94
16) Acetone	2.45	43	142289	107.28	ug/l #	73
17) Carbon Disulfide	2.57	76	153743	18.76	ug/l	100
18) Methyl Acetate	2.78	43	89596	21.43	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	211611	21.39	ug/l	98
20) Methylene Chloride	2.86	84	69257	20.85	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	66719	19.79	ug/l	86
22) Diisopropyl ether	3.87	45	231795	22.97	ug/l	98
23) Vinyl Acetate	3.82	43	867841	104.39	ug/l	96
24) 1,1-Dichloroethane	3.70	63	124594	21.04	ug/l	97
25) 2-Butanone	4.71	43	248274	111.57	ug/l	93
26) 2,2-Dichloropropane	4.59	77	73509	16.35	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	79792	21.26	ug/l	87
28) Bromochloromethane	5.02	49	59888	23.14	ug/l	88
29) Tetrahydrofuran	5.16	42	163284	111.07	ug/l	92
30) Chloroform	5.22	83	128737	22.26	ug/l	96
31) Cyclohexane	5.58	56	108326	20.48	ug/l	91
32) 1,1,1-Trichloroethane	5.50	97	106351	21.48	ug/l	96
36) 1,1-Dichloropropene	5.80	75	88531	21.33	ug/l	99
37) Ethyl Acetate	4.87	43	96709	24.62	ug/l #	93
38) Carbon Tetrachloride	5.78	117	89477	21.98	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	99992	20.34	ug/l	95
40) Benzene	6.15	78	265678	21.20	ug/l	99
41) Methacrylonitrile	5.06	41	54413	23.57	ug/l	92
42) 1,2-Dichloroethane	6.20	62	88383	22.38	ug/l	95
43) Isopropyl Acetate	6.46	43	133715	21.40	ug/l	93
44) Trichloroethene	7.21	130	81514	21.81	ug/l	98
45) 1,2-Dichloropropane	7.52	63	70207	22.06	ug/l	99
46) Dibromomethane	7.67	93	45895	22.40	ug/l	95
47) Bromodichloromethane	7.90	83	84091	22.42	ug/l	98
48) Methyl methacrylate	7.78	41	69238	21.97	ug/l	85
49) 1,4-Dioxane	7.76	88	32123	449.95	ug/l #	94
51) 4-Methyl-2-Pentanone	8.65	43	461846	117.00	ug/l	93
52) Toluene	8.79	92	171604	21.75	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	98007	21.23	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	87659	21.12	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	70218	22.37	ug/l	98
56) Ethyl methacrylate	9.18	69	96175	21.75	ug/l #	85
57) 1,3-Dichloropropane	9.37	76	114209	22.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	229595	106.79	ug/l	98
59) 2-Hexanone	9.50	43	346586	118.51	ug/l	91
60) Dibromochloromethane	9.59	129	67577	21.75	ug/l	98
61) 1,2-Dibromoethane	9.67	107	71251	21.90	ug/l	99
64) Tetrachloroethene	9.34	164	92437	20.80	ug/l	97
65) Chlorobenzene	10.14	112	196409	20.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	68927	21.31	ug/l	99
67) Ethyl Benzene	10.26	91	320394	21.20	ug/l	100
68) m/p-Xylenes	10.36	106	248998	42.03	ug/l	99
69) o-Xylene	10.70	106	119414	20.84	ug/l	99
70) Styrene	10.71	104	201728	21.41	ug/l	98
71) Bromoform	10.86	173	51100	20.34	ug/l #	99
73) Isopropylbenzene	11.02	105	323745	21.34	ug/l	99
74) N-amyl acetate	6.46	43	133715	20.76	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	96821	21.78	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	89135m	22.62	ug/l	
77) Bromobenzene	11.26	156	90094	20.65	ug/l	99
78) n-propylbenzene	11.36	91	368681	21.86	ug/l	100
79) 2-Chlorotoluene	11.42	91	220928	21.58	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	270975	21.74	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	22530	17.84	ug/l	97
82) 4-Chlorotoluene	11.51	91	257472	21.47	ug/l	99
83) tert-Butylbenzene	11.77	119	255294	20.91	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	278257	21.93	ug/l	98
85) sec-Butylbenzene	11.95	105	315445	21.27	ug/l	100
86) p-Isopropyltoluene	12.07	119	283378	21.29	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	163906	20.44	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	164876	19.96	ug/l	99
89) n-Butylbenzene	12.39	91	233920	20.70	ug/l	100
90) Hexachloroethane	12.60	117	38240	20.21	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	162630	20.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18372	21.24	ug/l	91

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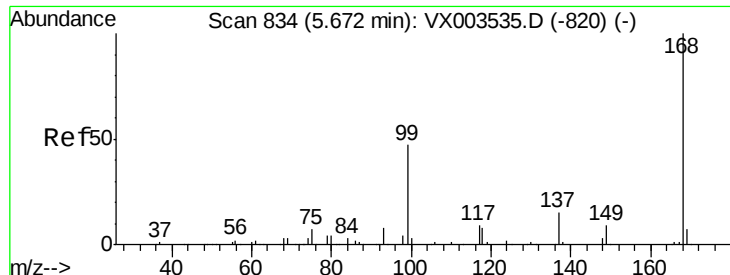
Manual Integrations
APPROVED

MMDadoda
7/23/2018 3:19:51 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	111602	19.26	ug/l	99
94) Hexachlorobutadiene	13.79	225	52627	18.89	ug/l	99
95) Naphthalene	13.83	128	318479	20.92	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	114725	20.00	ug/l	100

(#) = 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. 0.01 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion:168 Resp: 296639

Ion Ratio Lower Upper

168 100

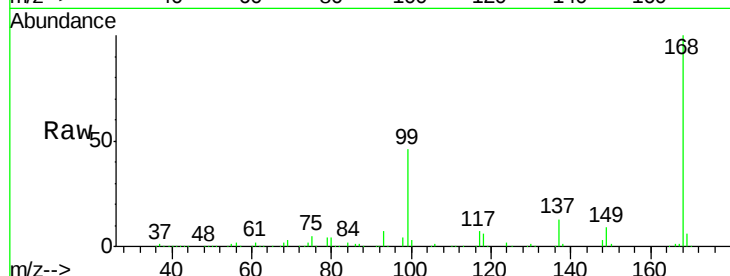
99 45.6 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

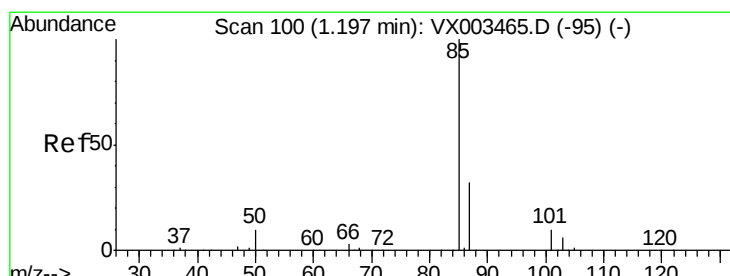
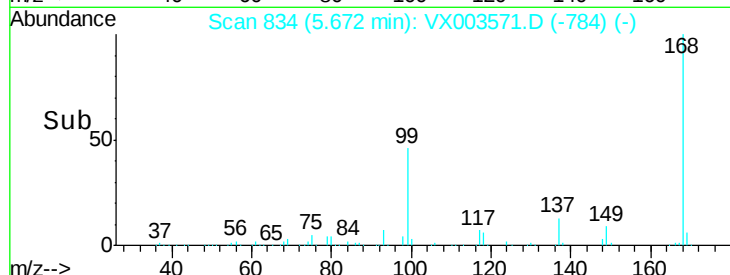
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.52 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003571.D

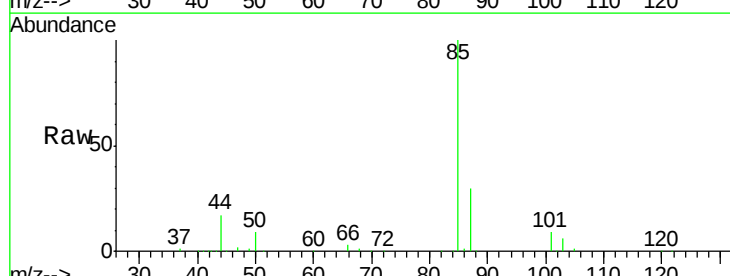
Acq: 21 Jul 2018 23:17

Tgt Ion: 85 Resp: 51651

Ion Ratio Lower Upper

85 100

87 29.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

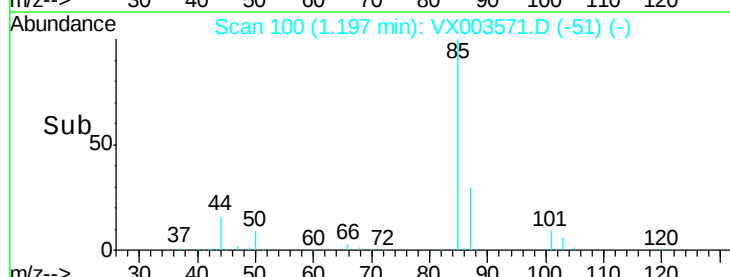
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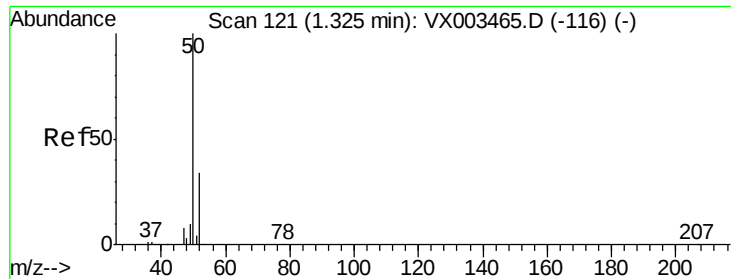
20000

10000

0

Time-->





#3

Chloromethane

Concen: 22.18 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion: 50 Resp: 66651

Ion Ratio Lower Upper

50 100

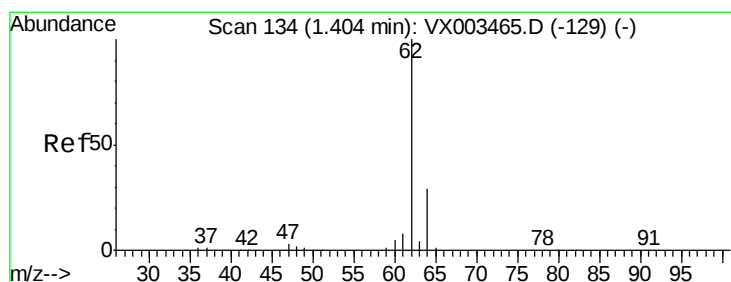
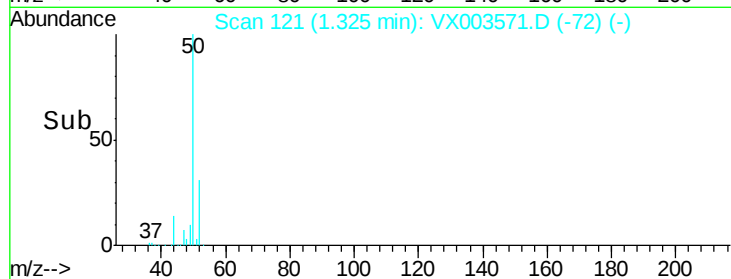
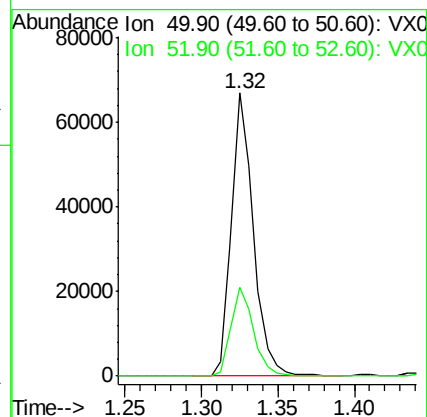
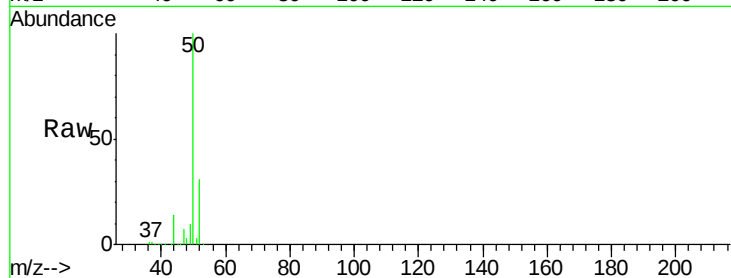
52 31.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.55 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003571.D

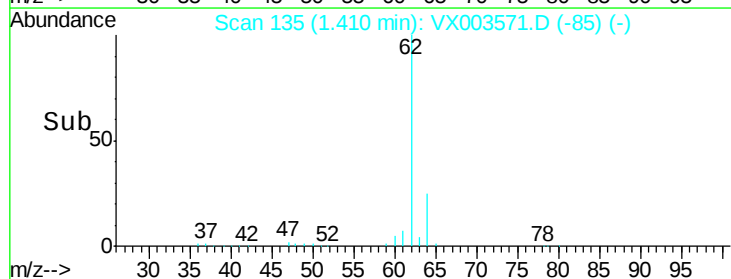
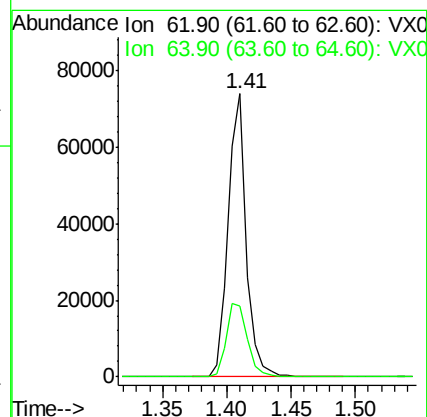
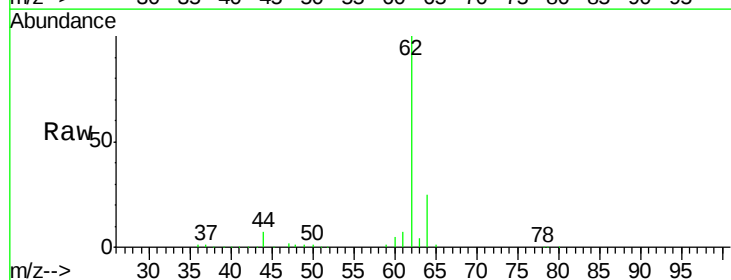
Acq: 21 Jul 2018 23:17

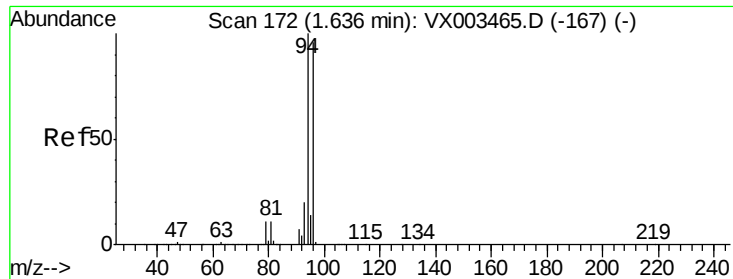
Tgt Ion: 62 Resp: 73688

Ion Ratio Lower Upper

62 100

64 25.2 25.4 38.2#





#5

Bromomethane

Concen: 23.10 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion: 94 Resp: 36623

Ion Ratio Lower Upper

94 100

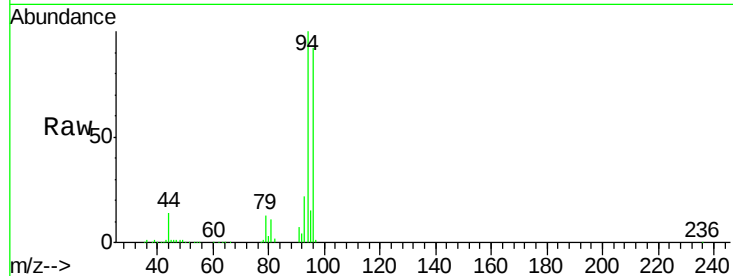
96 91.9 74.9 112.3

Manual Integrations

APPROVED

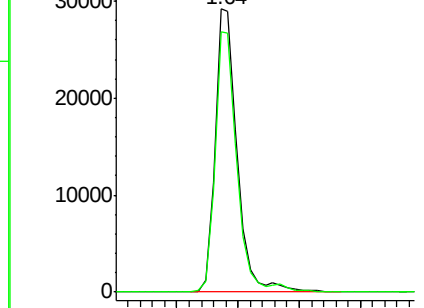
MMDadoda

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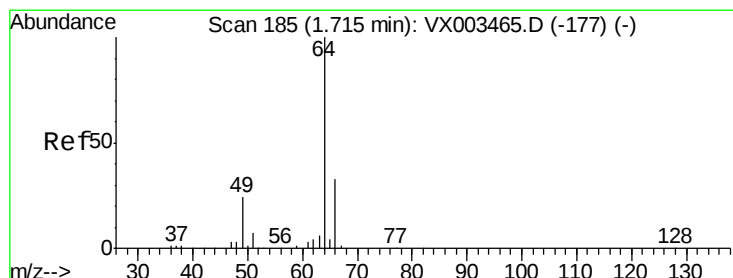
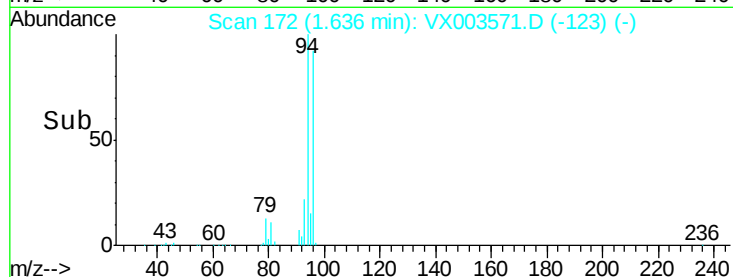


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 20.69 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003571.D

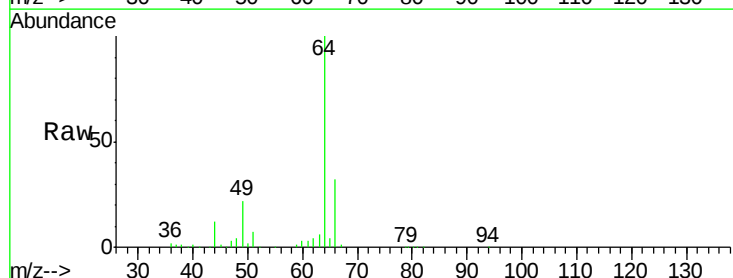
Acq: 21 Jul 2018 23:17

Tgt Ion: 64 Resp: 46137

Ion Ratio Lower Upper

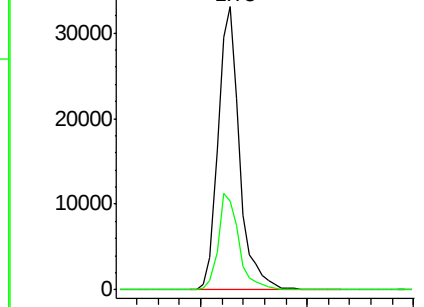
64 100

66 31.6 25.5 38.3

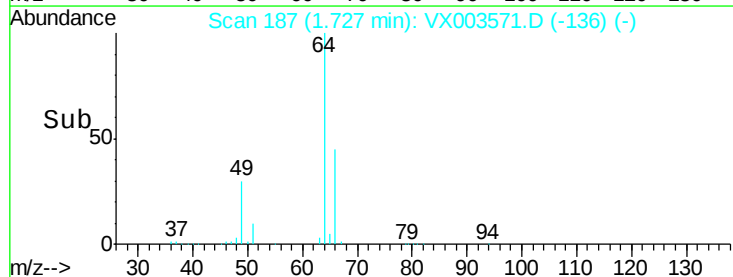


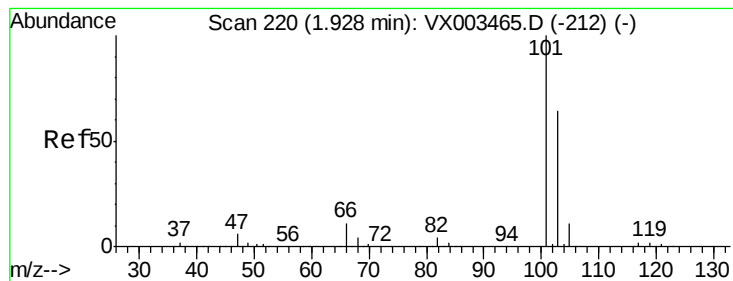
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

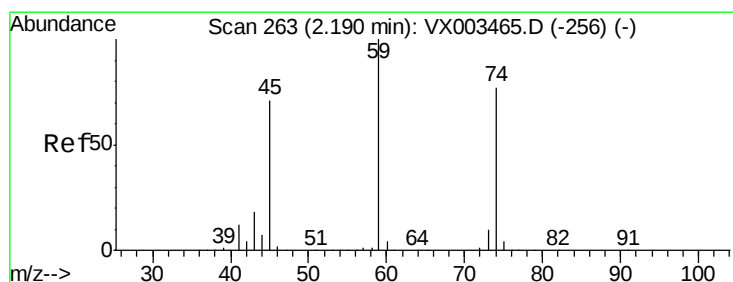
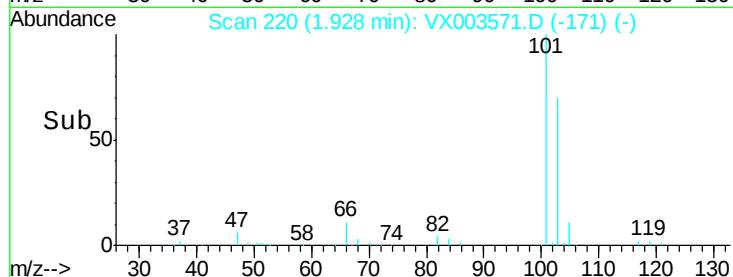
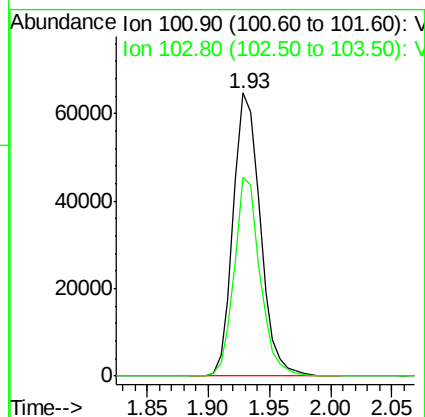
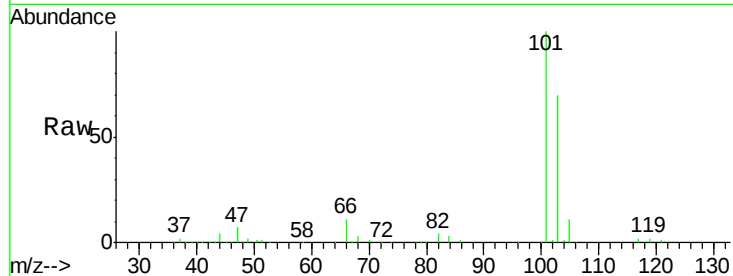
Trichlorofluoromethane
 Concen: 19.68 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

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 VX0721WBS02

Tot Ion:101 Resp: 98917
 Ion Ratio Lower Upper
 101 100
 103 70.1 52.8 79.2

Manual Integrations
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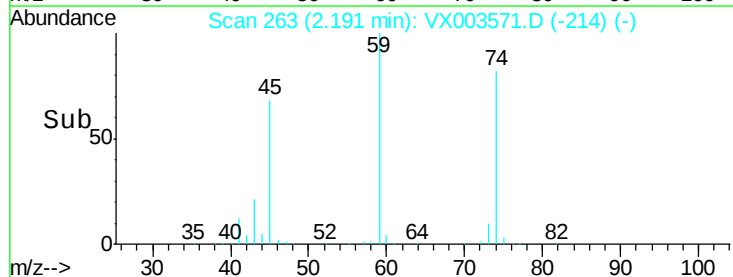
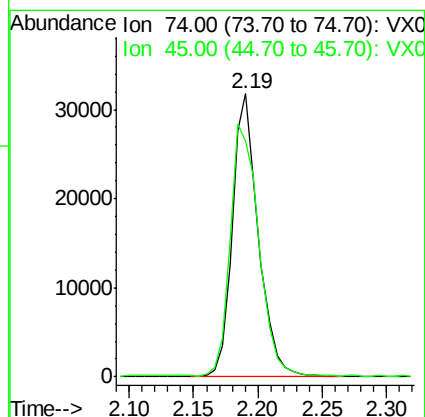
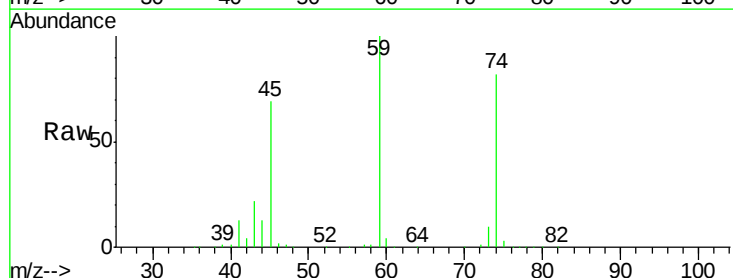
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 7/23/2018 3:19:51 PM

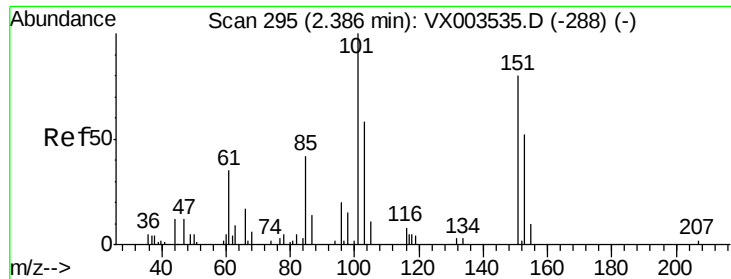


#8

Diethyl Ether
 Concen: 20.68 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Tgt Ion: 74 Resp: 44662
 Ion Ratio Lower Upper
 74 100
 45 98.4 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.43 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

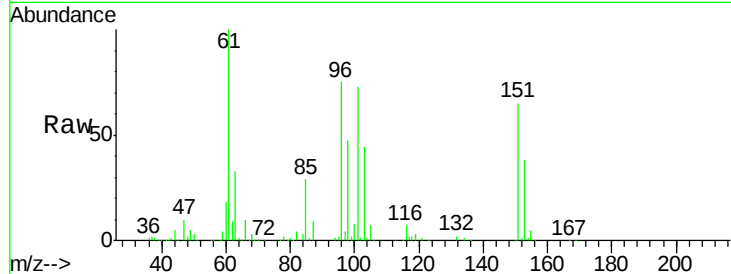
ClientSampleId :

VX0721WBS02

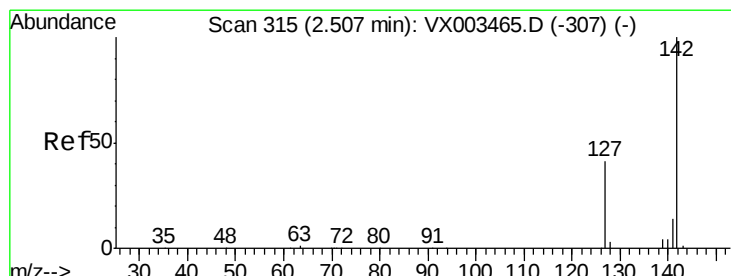
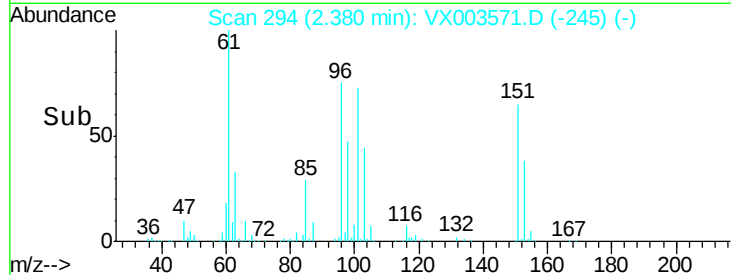
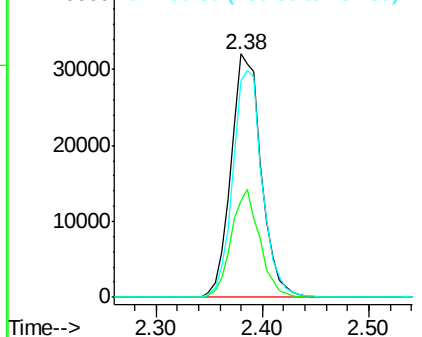
Tot Ion:	101	Resp:	63940
Ion Ratio	Lower	Upper	
101	100		
85	41.7	36.0	54.0
151	91.1	70.9	106.3

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



#10

Methyl Iodide

Concen: 20.04 ug/l

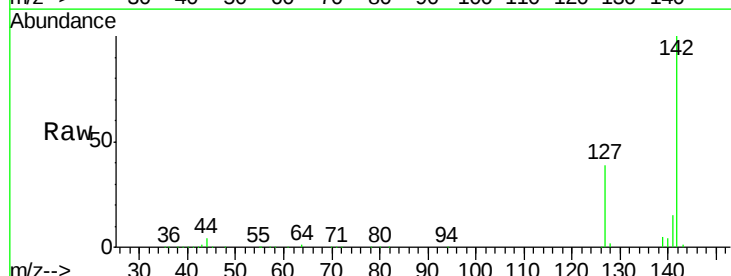
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

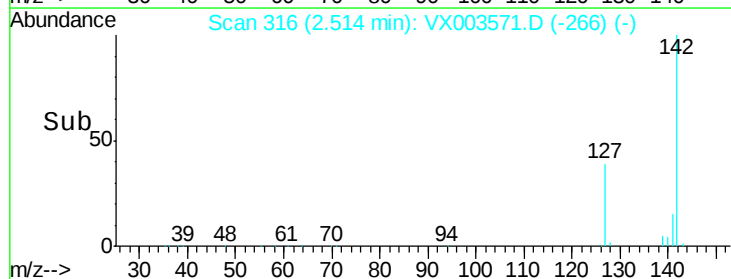
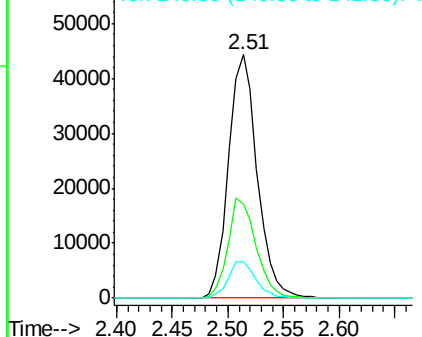
Lab File: VX003571.D

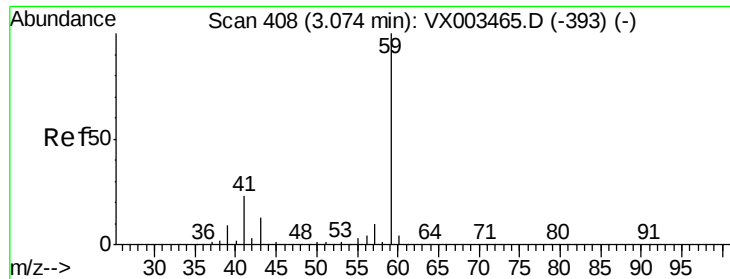
Acq: 21 Jul 2018 23:17

Tgt Ion:	142	Resp:	79235
Ion Ratio	Lower	Upper	
142	100		
127	40.1	36.6	55.0
141	14.6	11.3	16.9



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





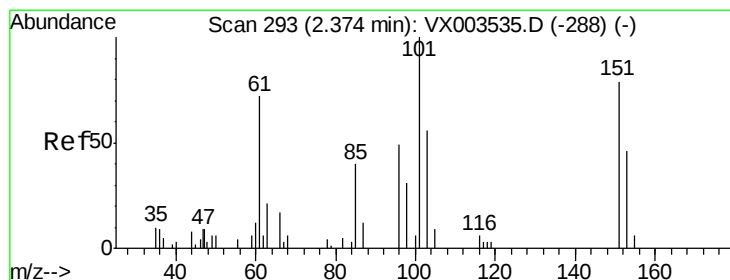
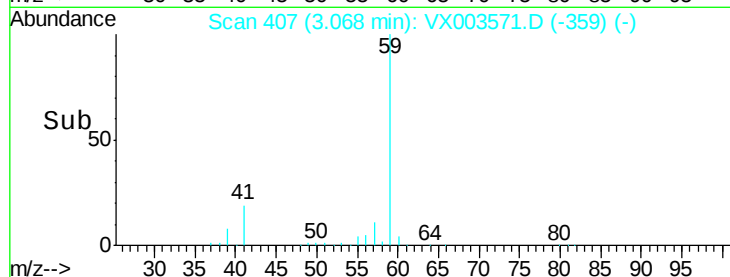
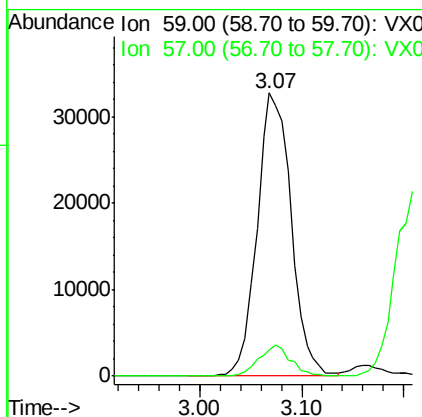
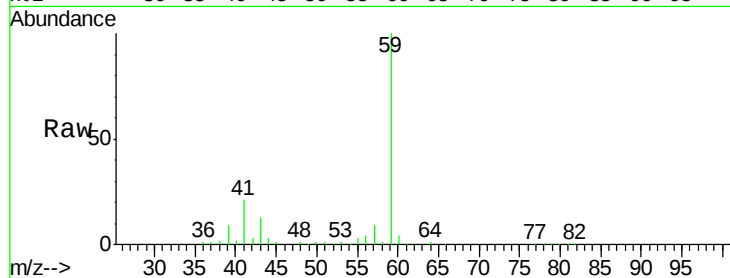
#11
Tert butyl alcohol
Concen: 109.61 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion: 59 Resp: 76160
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

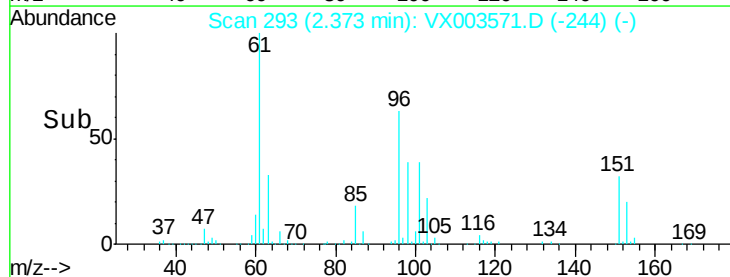
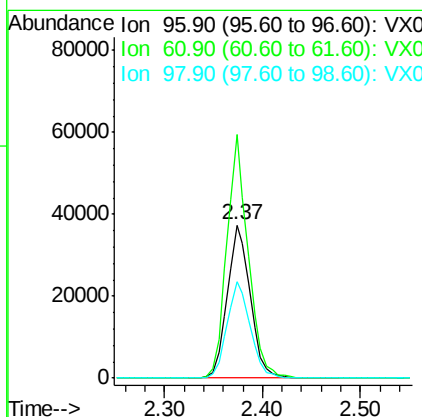
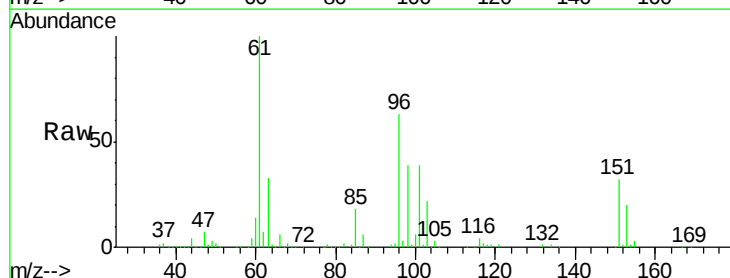
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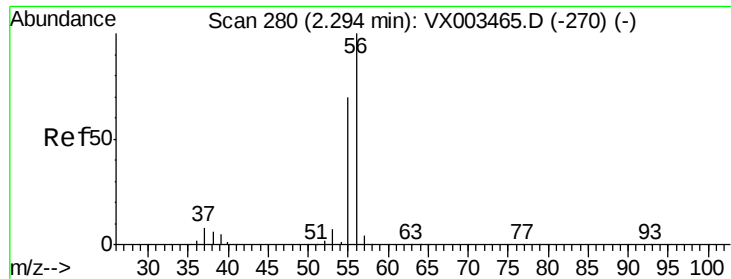
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.09 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion: 96 Resp: 60860
Ion Ratio Lower Upper
96 100
61 159.2 137.9 206.9
98 62.7 51.6 77.4





#13

Acrolein

Concen: 77.03 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion: 56 Resp: 24182

Ion Ratio Lower Upper

56 100

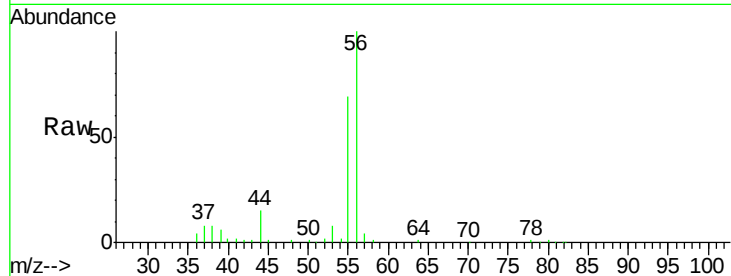
55 71.8 57.0 85.4

Manual Integrations

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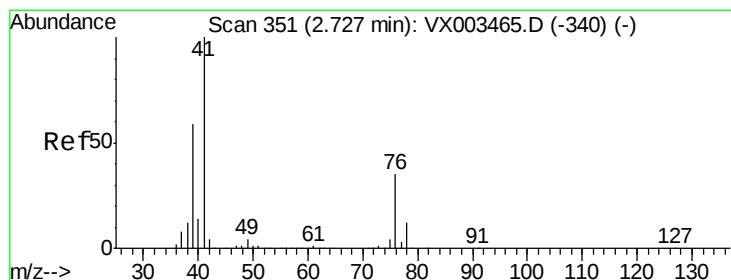
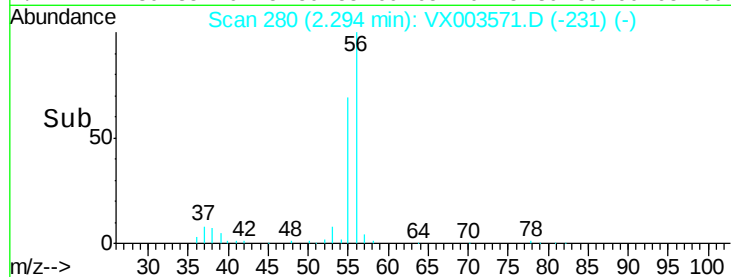
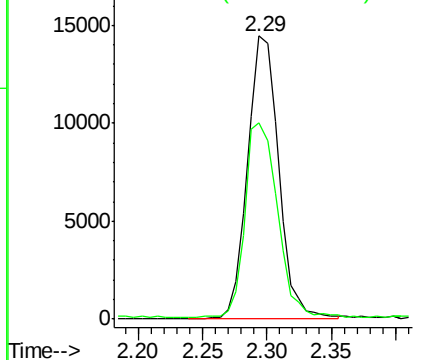
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.32 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

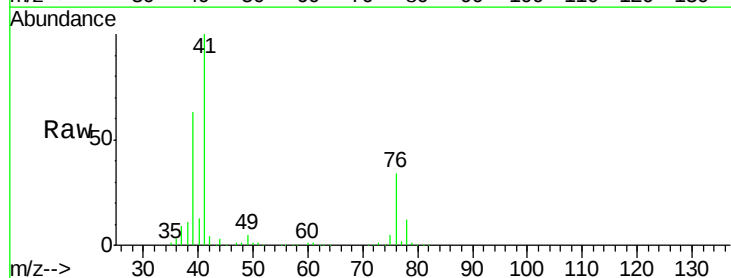
Tgt Ion: 41 Resp: 108964

Ion Ratio Lower Upper

41 100

39 56.2 56.8 85.2#

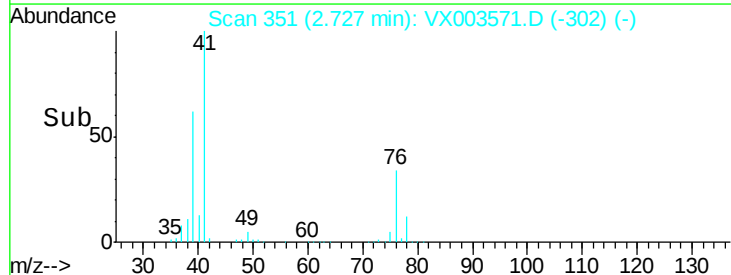
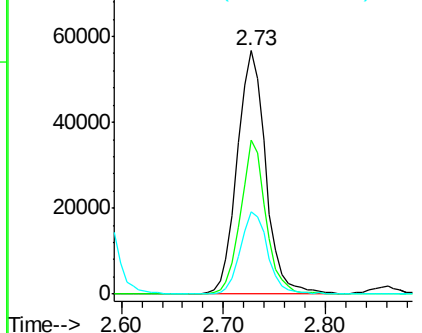
76 32.6 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 106.22 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

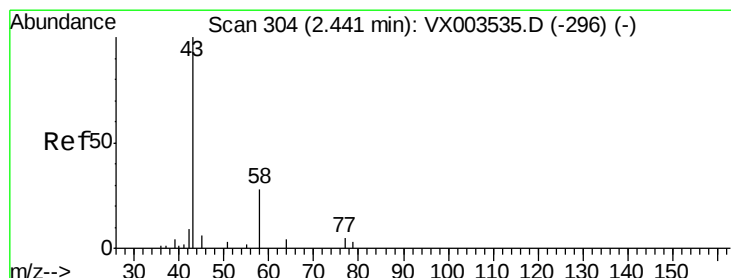
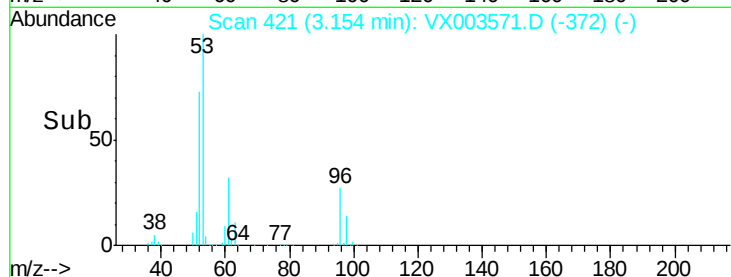
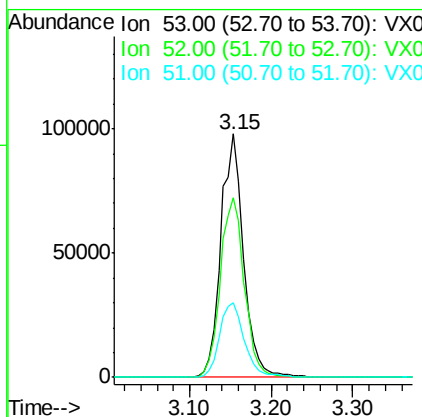
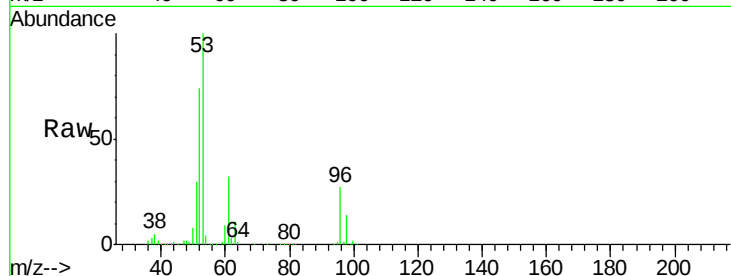
ClientSampleId :

VX0721WBS02

Tot Ion:	53	Resp:	187912
Ion Ratio	Lower	Upper	
53	100		
52	78.2	66.7	100.1
51	33.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 107.28 ug/l

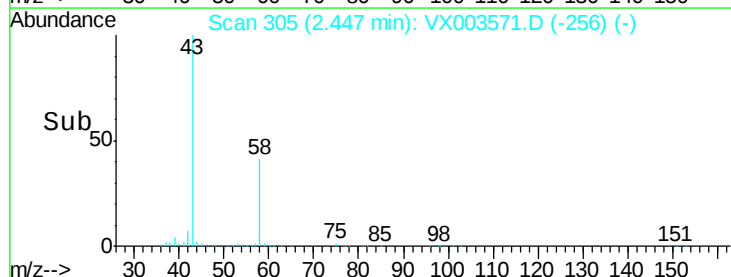
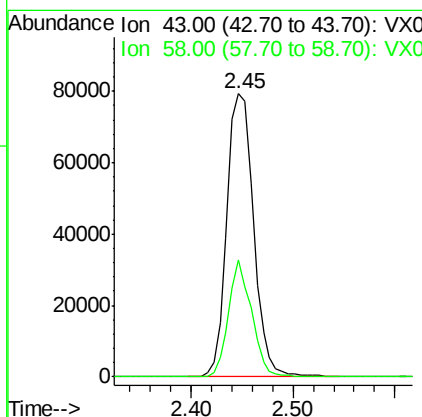
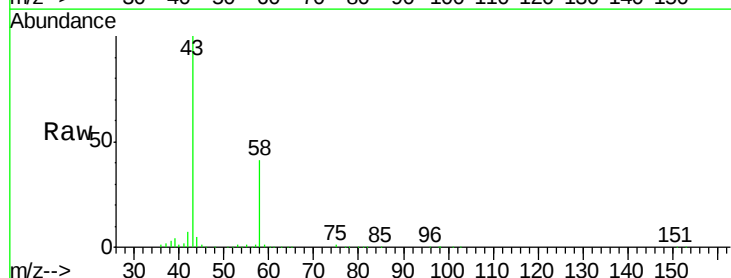
RT: 2.45 min Scan# 305

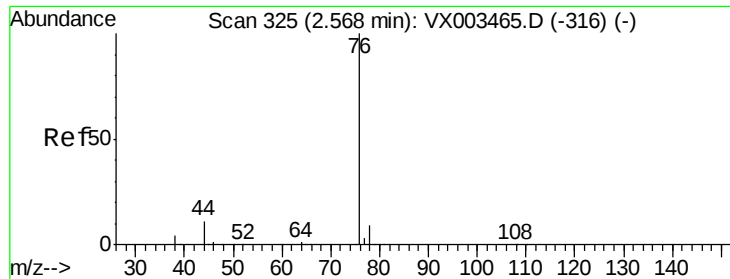
Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Tgt Ion:	43	Resp:	142289
Ion Ratio	Lower	Upper	
43	100		
58	41.5	22.1	33.1#





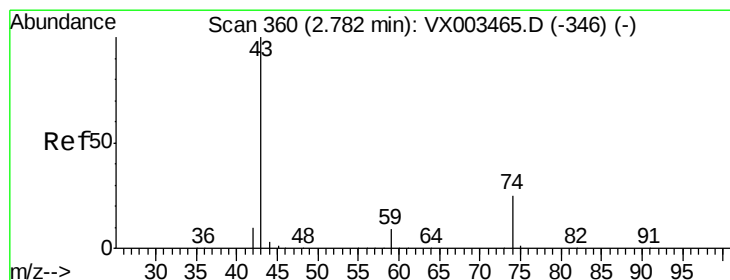
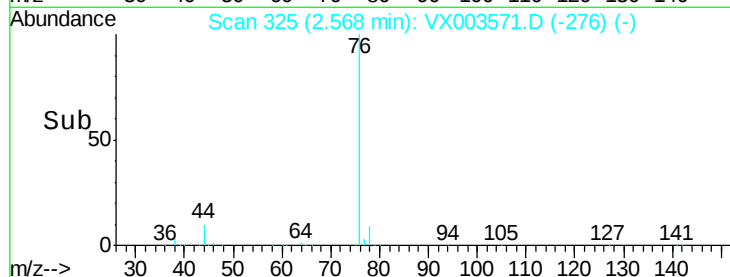
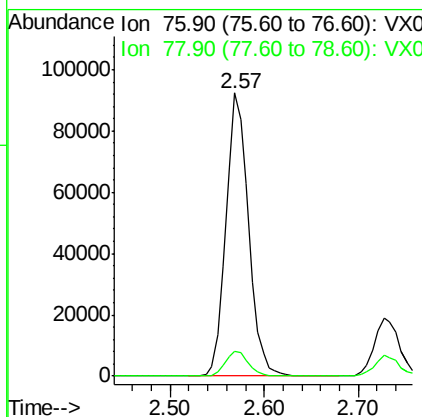
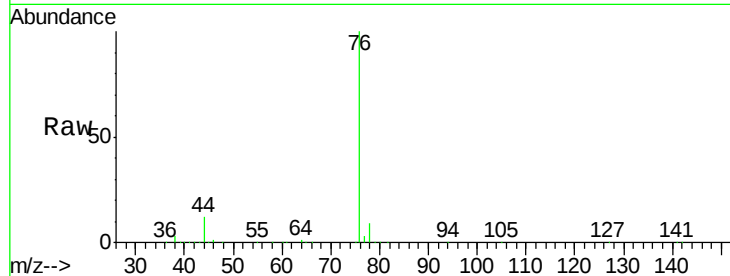
#17
Carbon Disulfide
Concen: 18.76 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.9	10.3

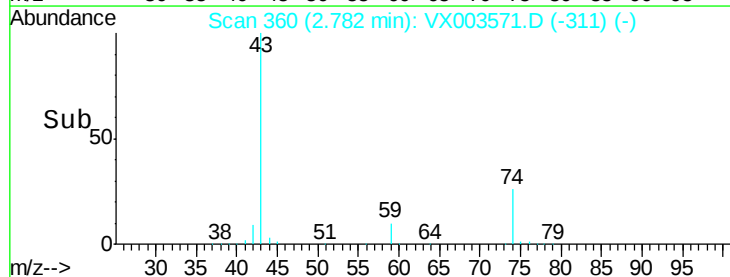
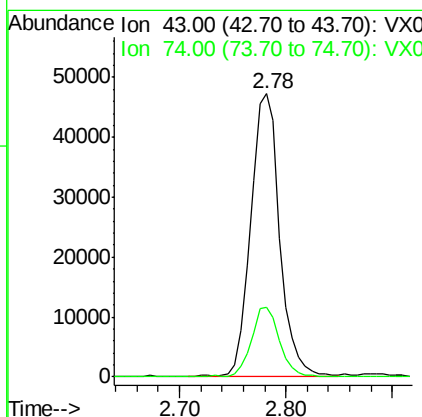
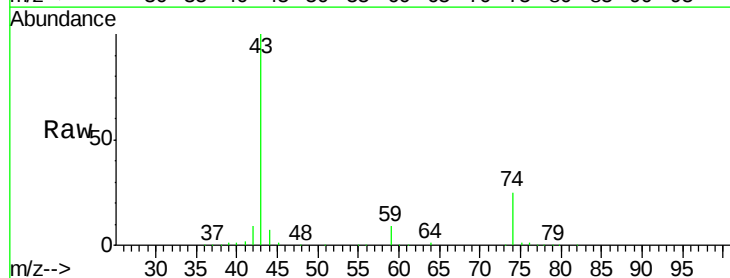
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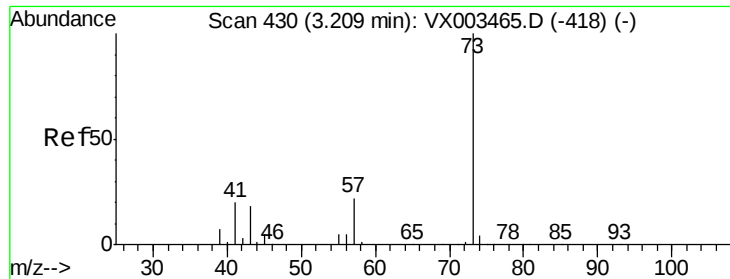
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#18
Methyl Acetate
Concen: 21.43 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	16.7	25.1





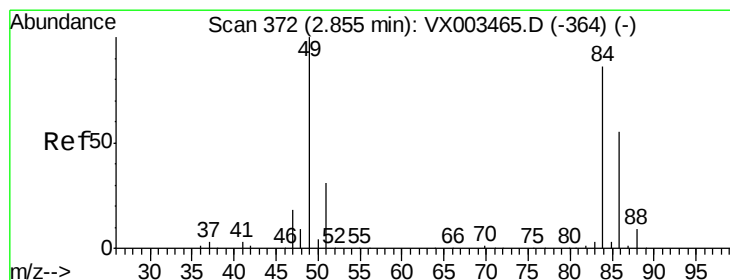
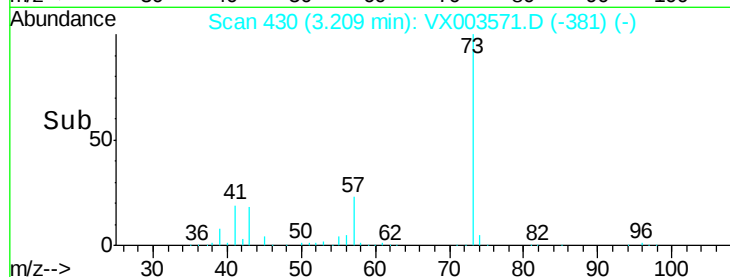
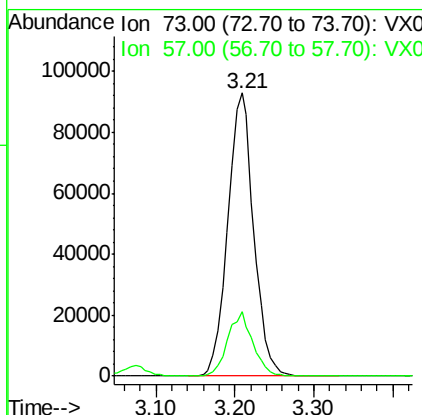
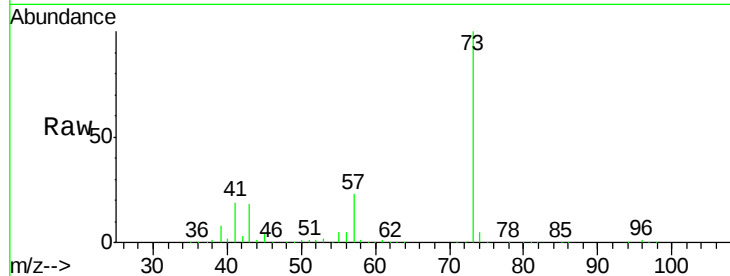
#19
Methvl tert-butvl Ether
Concen: 21.39 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion: 73 Resp: 211611
Ion Ratio Lower Upper
73 100
57 23.0 17.7 26.5

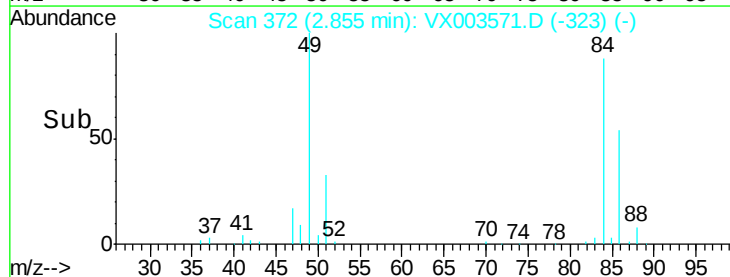
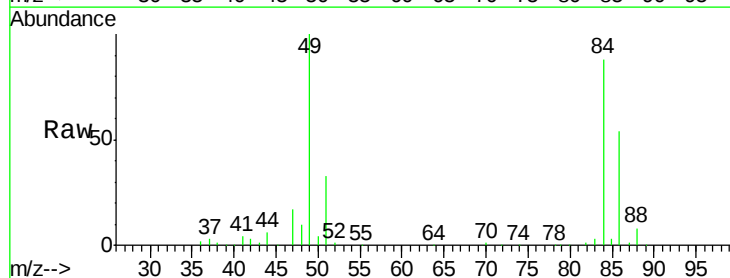
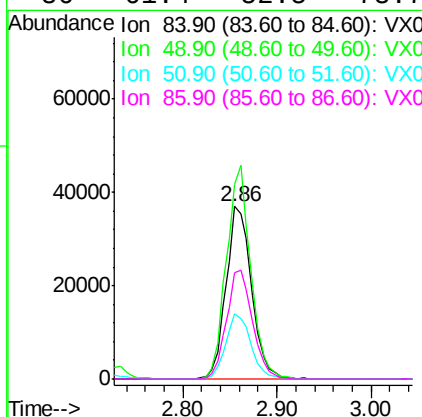
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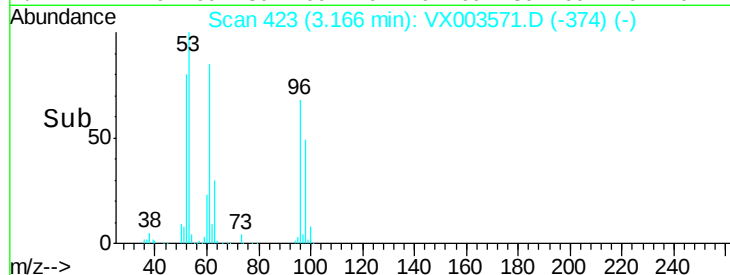
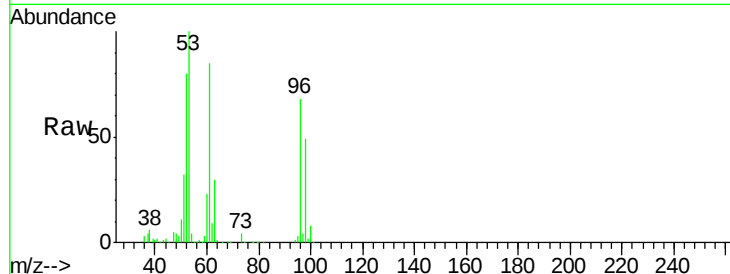
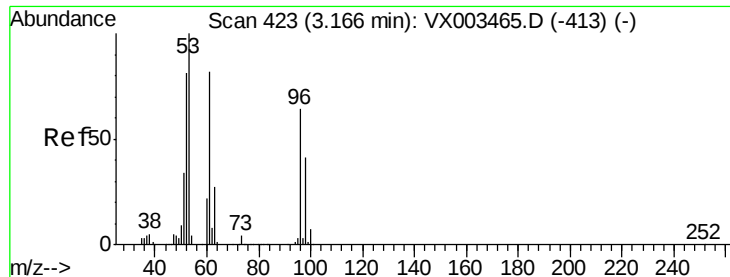
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#20
Methylene Chloride
Concen: 20.85 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion: 84 Resp: 69257
Ion Ratio Lower Upper
84 100
49 113.1 107.8 161.6
51 37.6 32.8 49.2
86 61.4 52.5 78.7





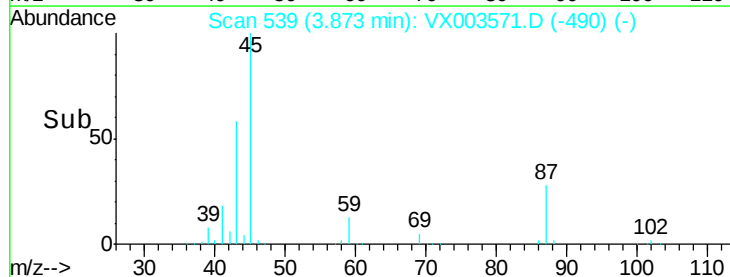
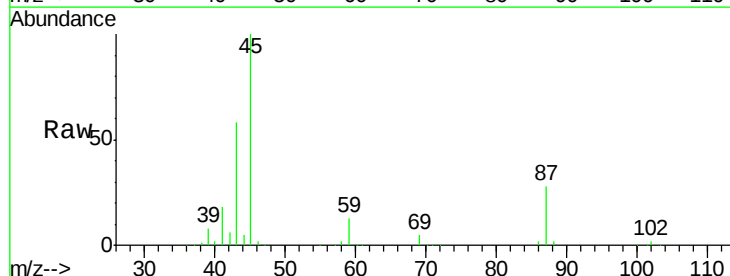
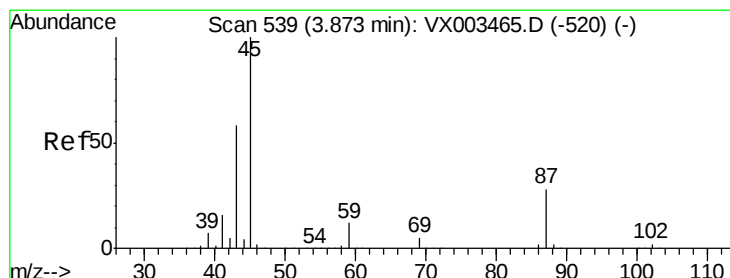
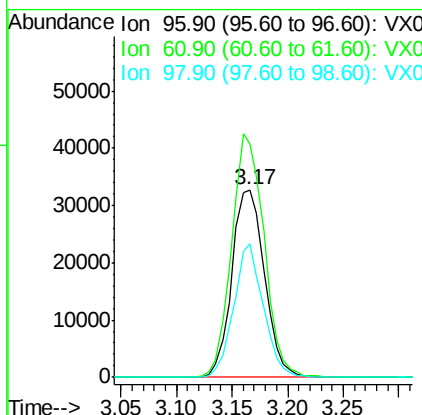
#21
trans-1,2-Dichloroethene
Concen: 19.79 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.3	117.0	175.4
98	71.3	52.4	78.6

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

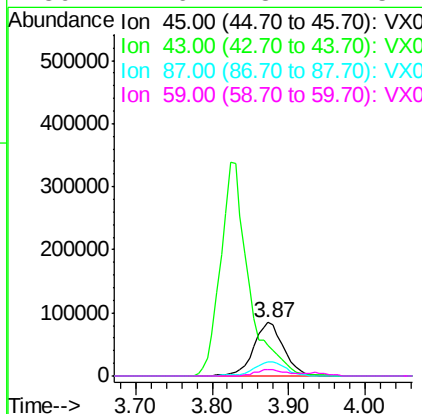
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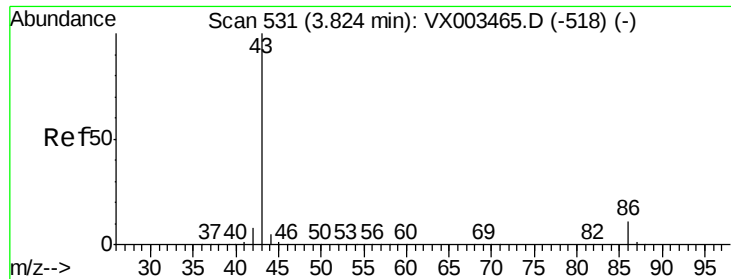
MMDadoda
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#22
Diisopropyl ether
Concen: 22.97 ug/l
RT: 3.87 min Scan# 539
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.8	70.2
87	27.5	20.2	30.4
59	12.6	8.7	13.1





#23

Vinyl Acetate

Concen: 104.39 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion: 43 Resp: 867841

Ion Ratio Lower Upper

43 100

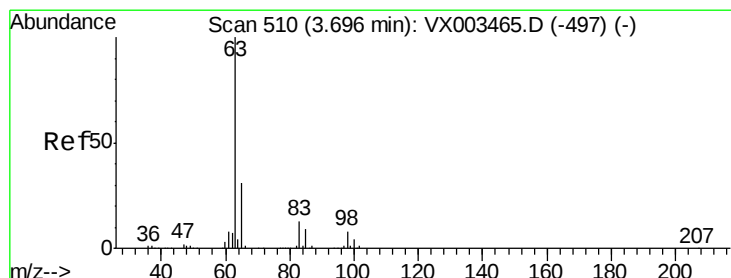
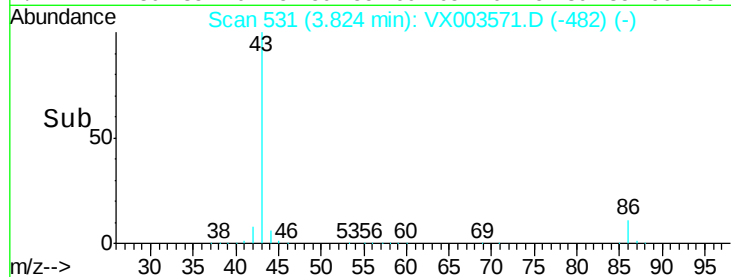
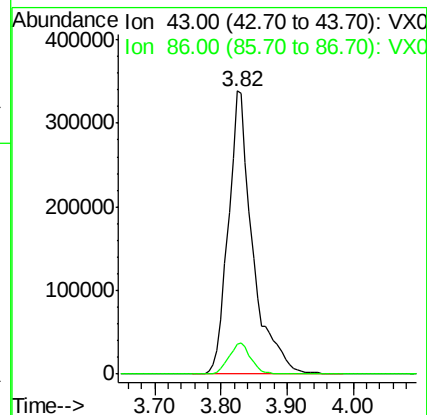
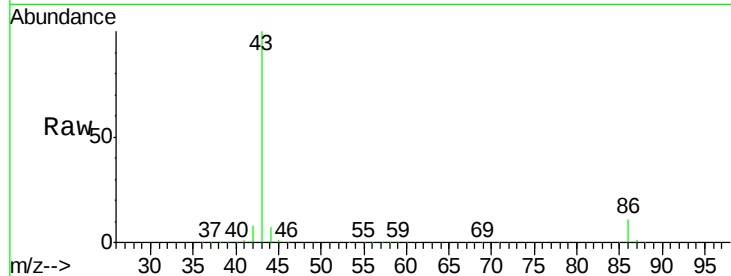
86 10.7 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 21.04 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

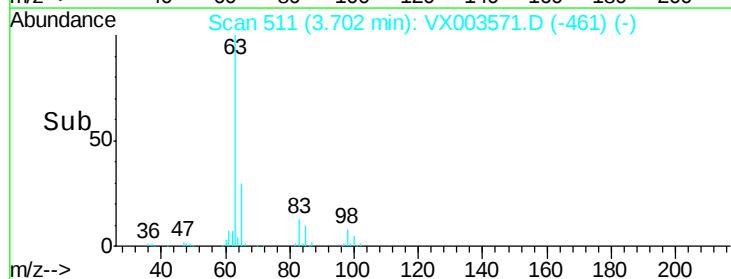
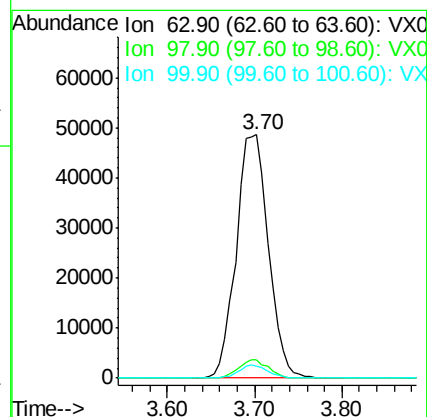
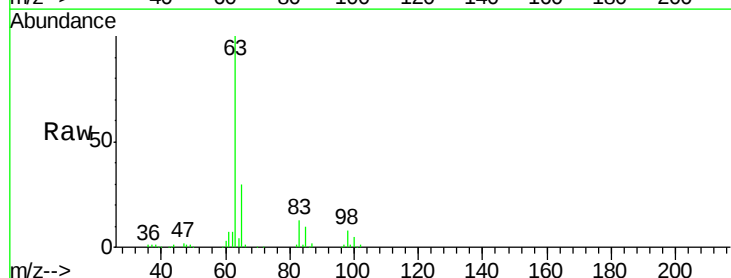
Tgt Ion: 63 Resp: 124594

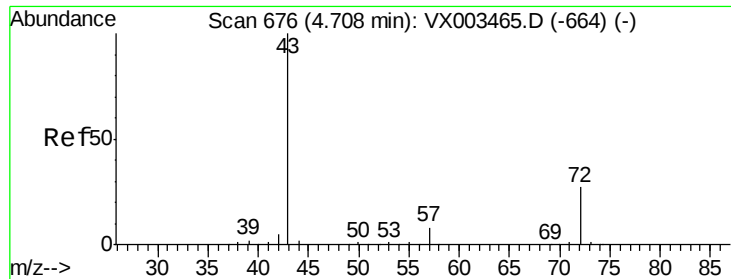
Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.2

100 4.8 2.0 6.0





#25

2-Butanone

Concen: 111.57 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion: 43 Resp: 248274

Ion Ratio Lower Upper

43 100

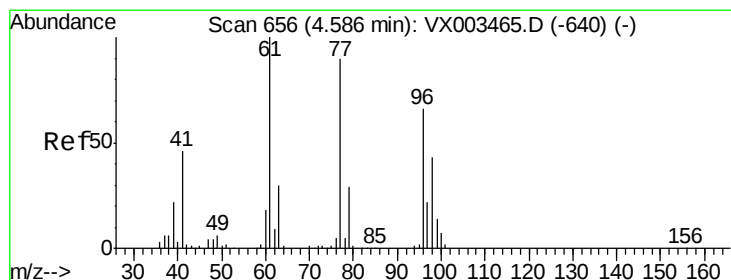
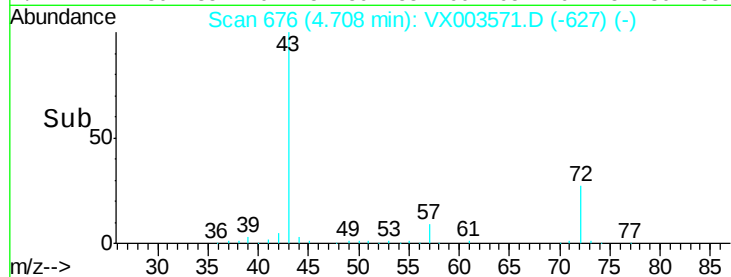
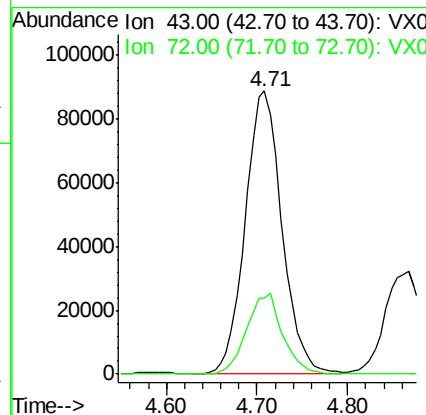
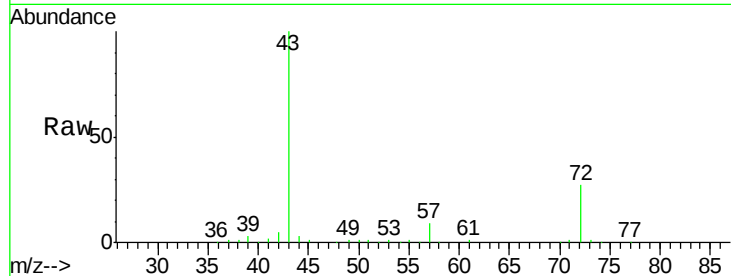
72 26.6 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.35 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX003571.D

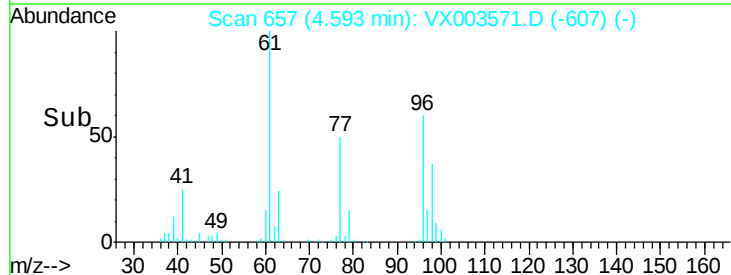
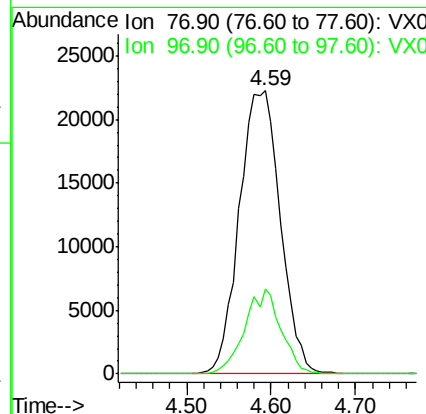
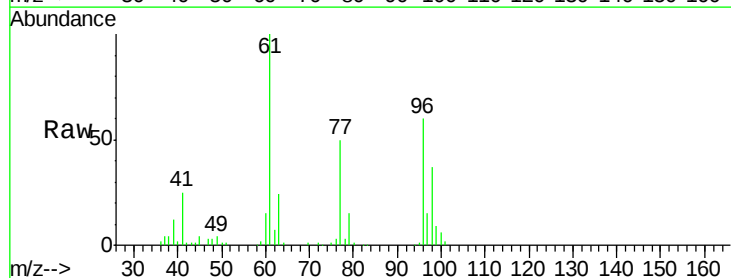
Acq: 21 Jul 2018 23:17

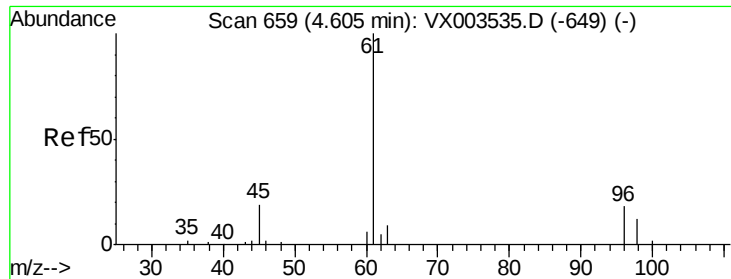
Tgt Ion: 77 Resp: 73509

Ion Ratio Lower Upper

77 100

97 26.5 11.2 33.5





#27

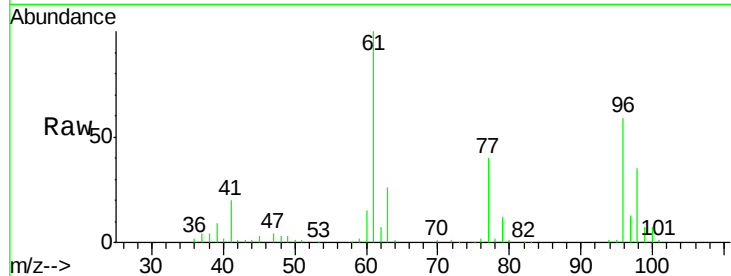
cis-1,2-Dichloroethene
Concen: 21.26 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	188.0	0.0	330.2
98	63.7	0.0	130.2

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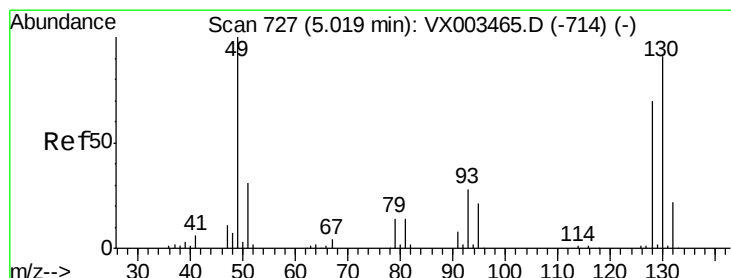
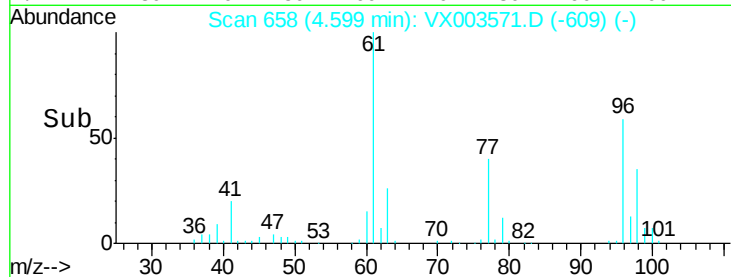
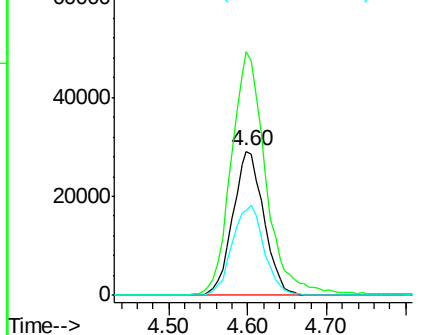


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

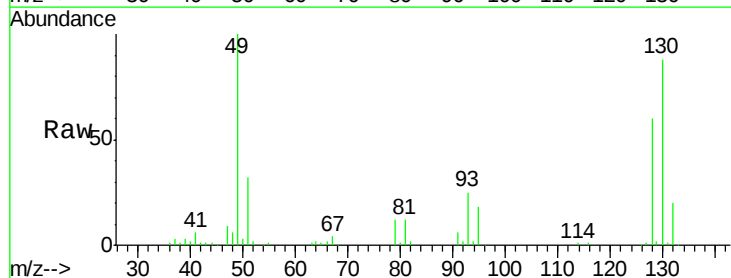
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 23.14 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	87.5	61.2	91.8

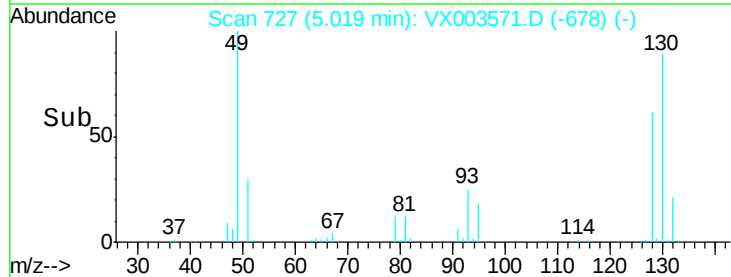
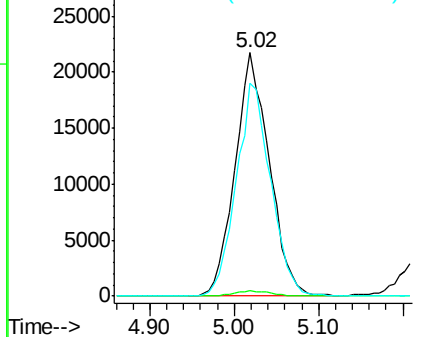


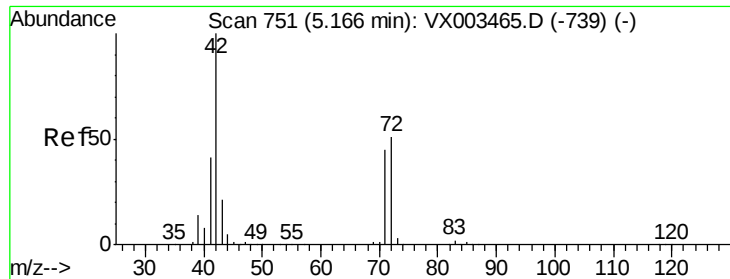
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





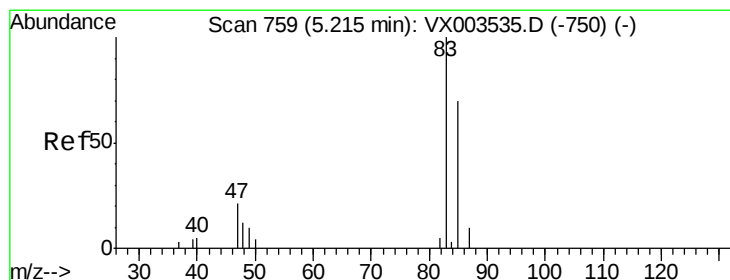
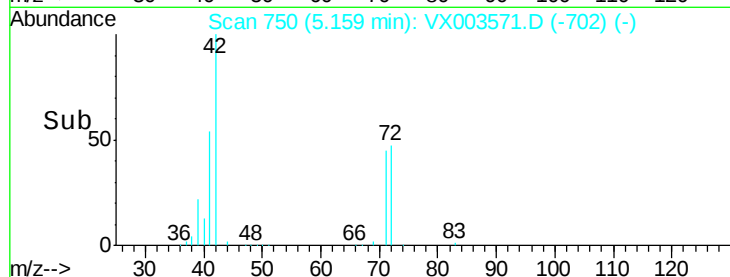
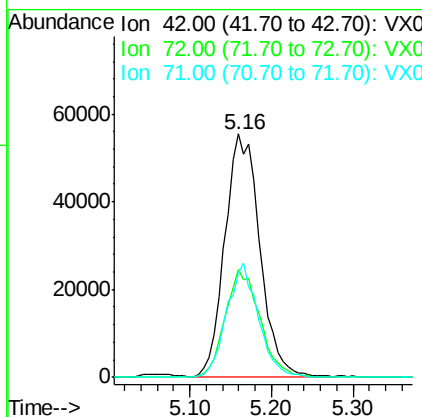
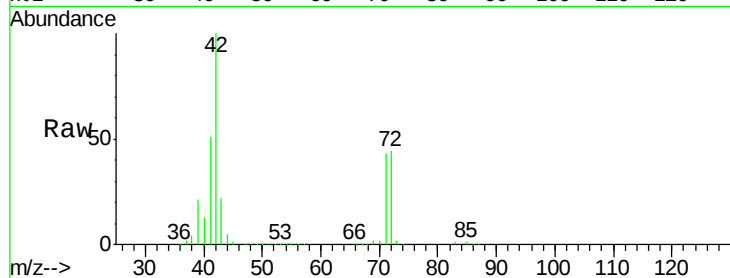
#29
Tetrahydrofuran
Concen: 111.07 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	32.0	48.0
71	42.7	30.1	45.1

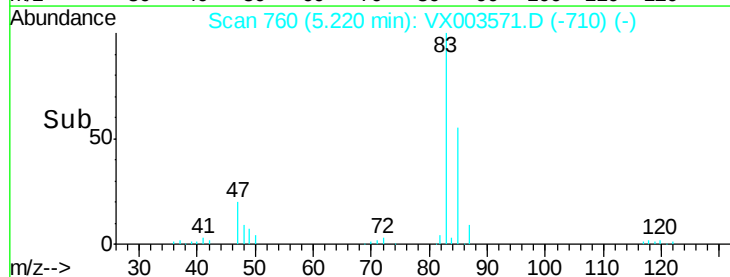
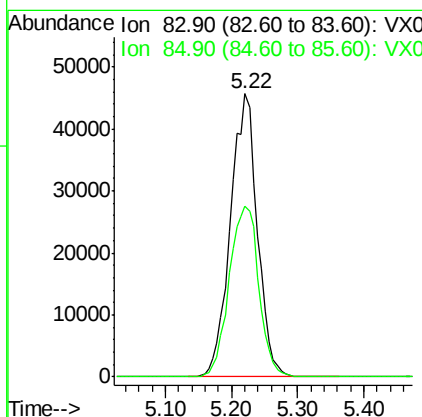
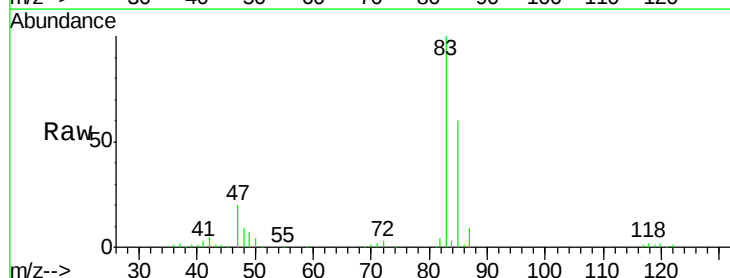
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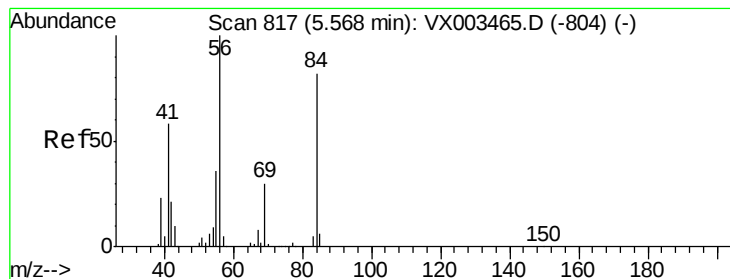
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#30
Chloroform
Concen: 22.26 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.3	50.4	75.6





#31

Cyclohexane

Concen: 20.48 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

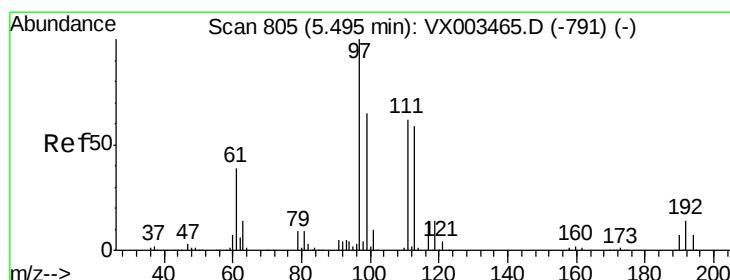
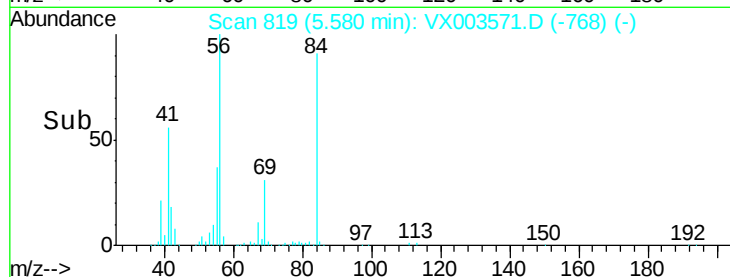
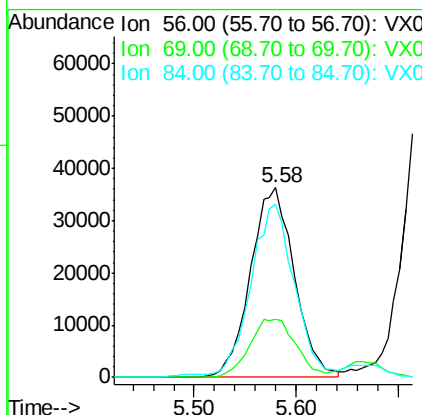
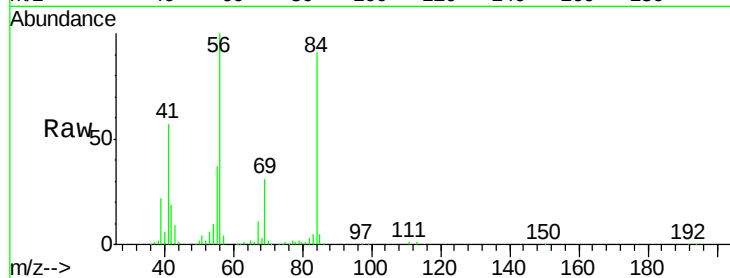
ClientSampleId :

VX0721WBS02

Tot Ion	56	Resp	108326
Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.7	35.5
84	90.1	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 21.48 ug/l

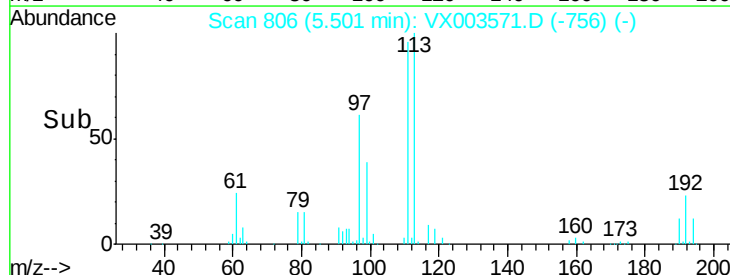
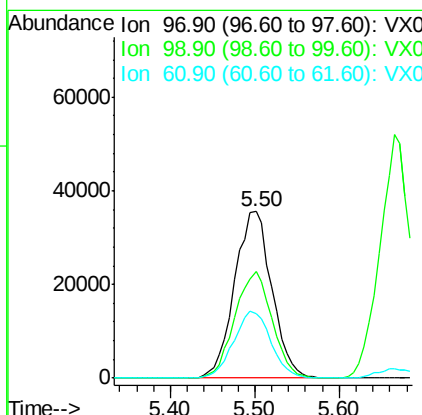
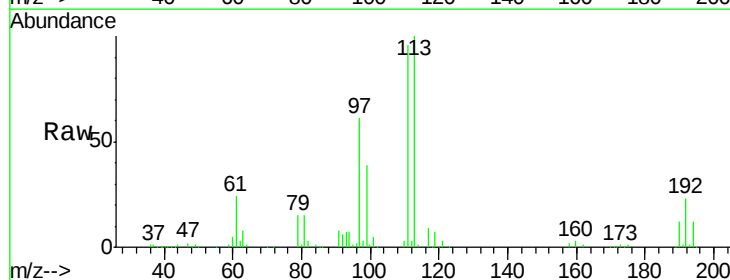
RT: 5.50 min Scan# 806

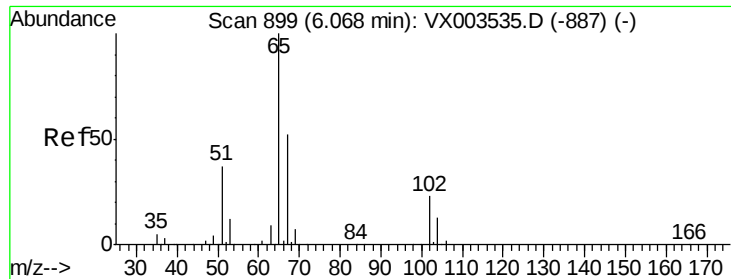
Delta R.T. 0.01 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Tgt Ion	97	Resp	106351
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	40.3	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 49.32 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Tot Ion: 65 Resp: 173175

Ion Ratio Lower Upper

65 100

67 54.4 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

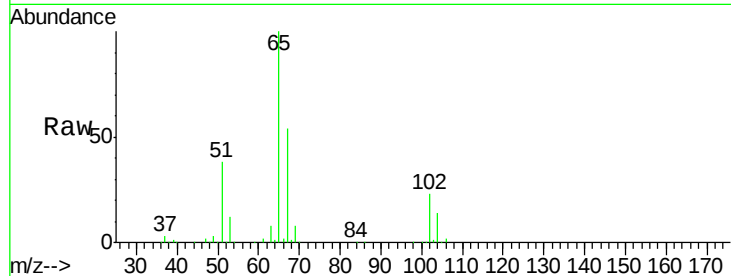
VX0721WBS02

Manual Integrations

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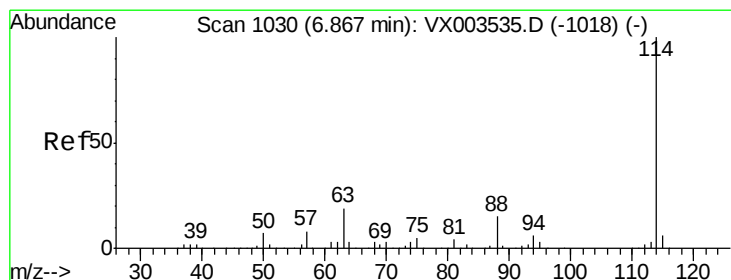
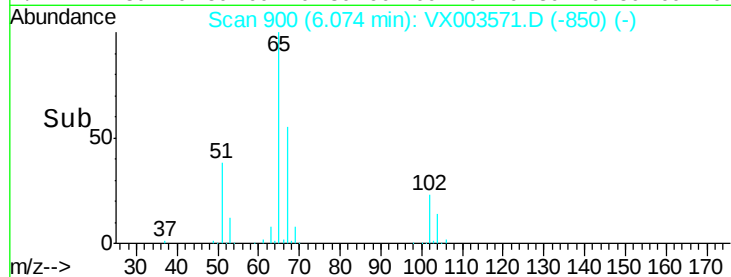
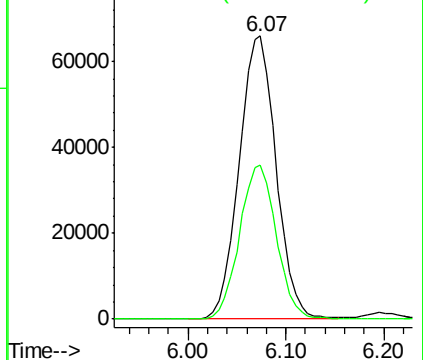
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Abundance Ion 64.90 (64.60 to 65.60): VX0

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: VX003571.D

Acq: 21 Jul 2018 23:17

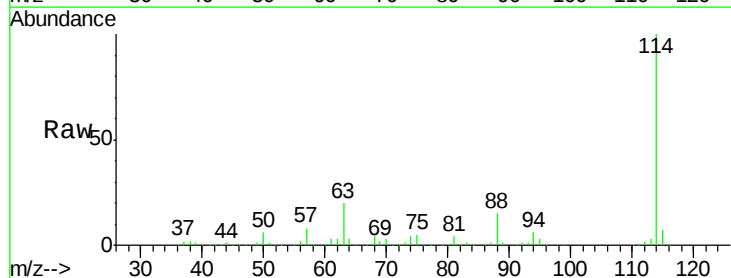
Tgt Ion: 114 Resp: 384453

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

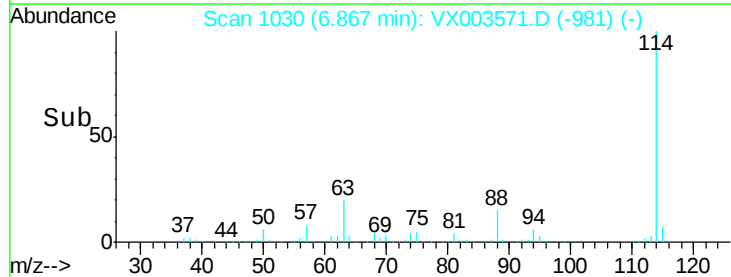
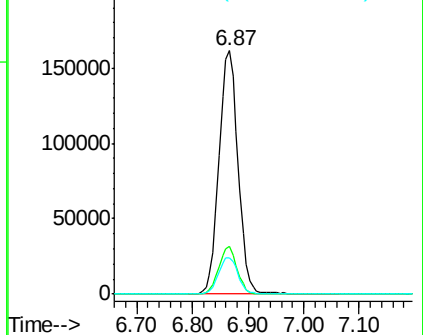
88 14.7 0.0 30.0

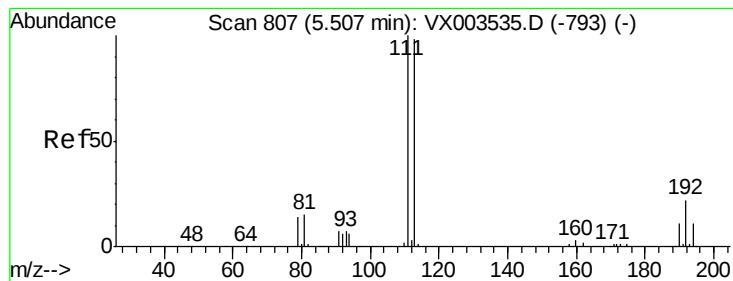


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 57.37 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

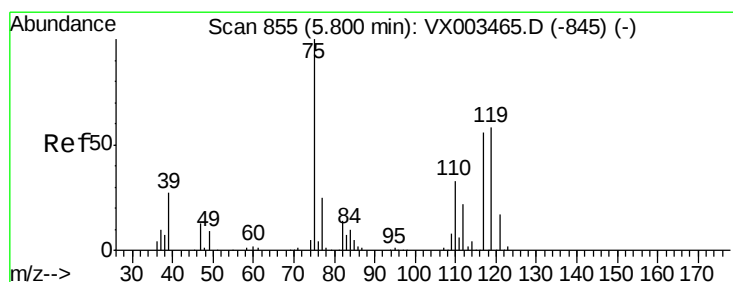
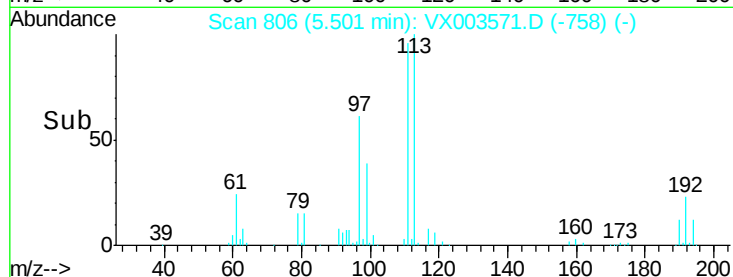
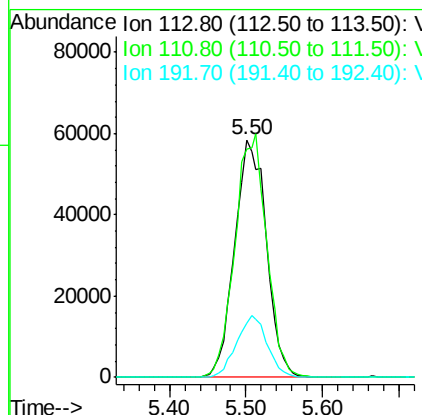
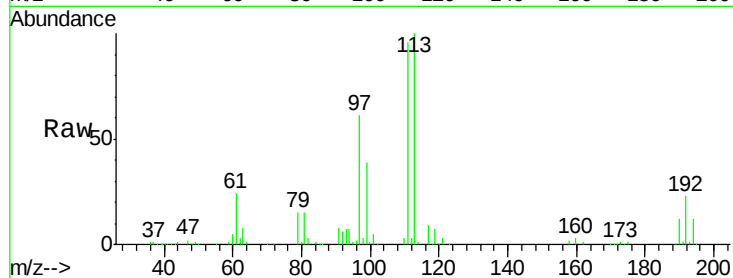
ClientSampleId :

VX0721WBS02

Tot Ion:	113	Resp:	168008
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.4	122.0
192	25.0	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 21.33 ug/l

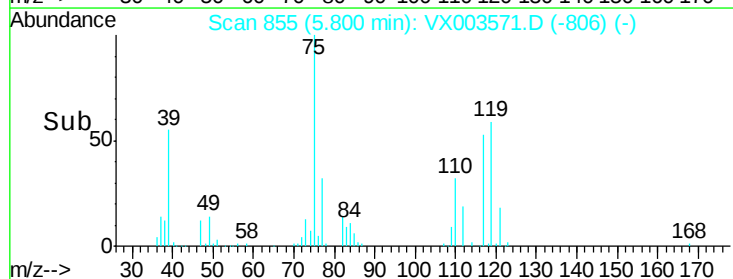
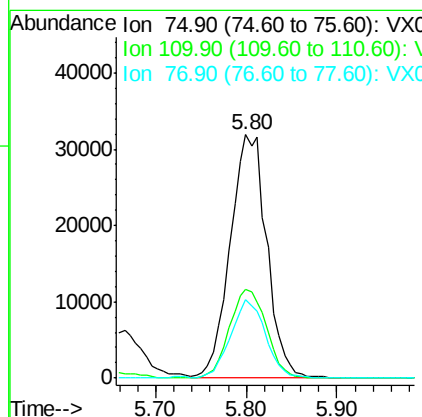
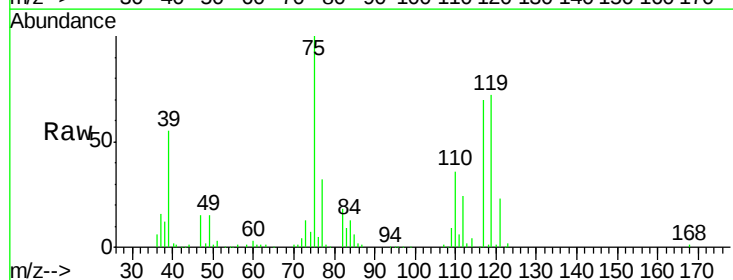
RT: 5.80 min Scan# 855

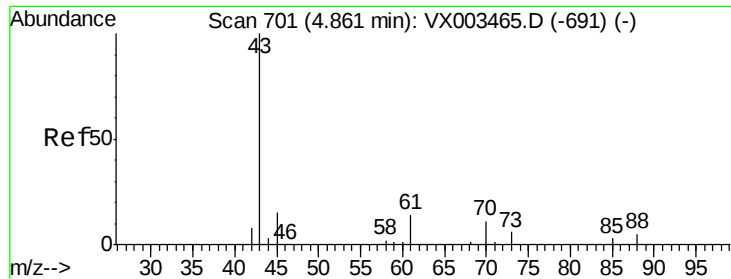
Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Tgt Ion:	75	Resp:	88531
Ion Ratio	Lower	Upper	
75	100		
110	37.2	18.1	54.4
77	31.2	24.3	36.5





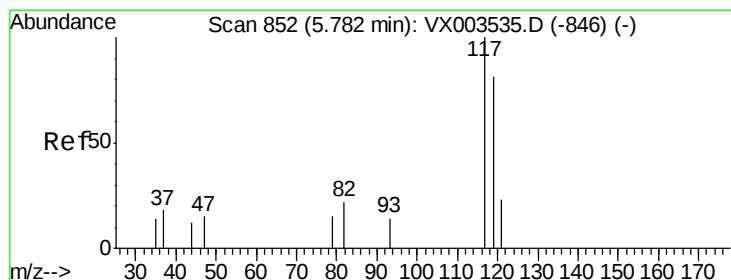
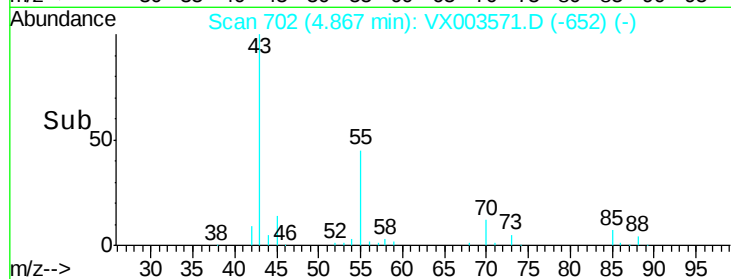
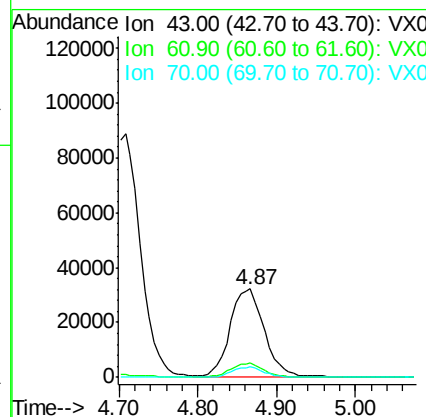
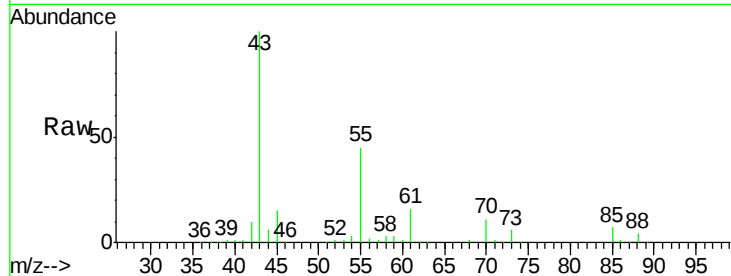
#37
Ethyl Acetate
Concen: 24.62 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	10.4	15.6#
70	11.3	7.6	11.4

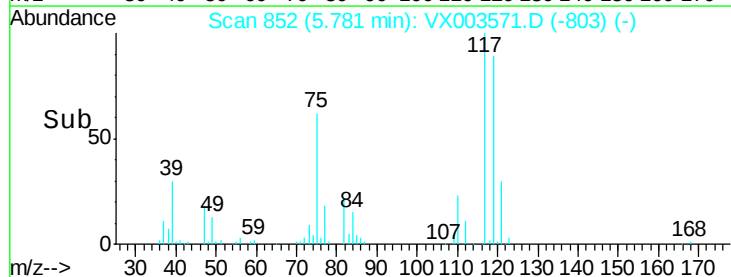
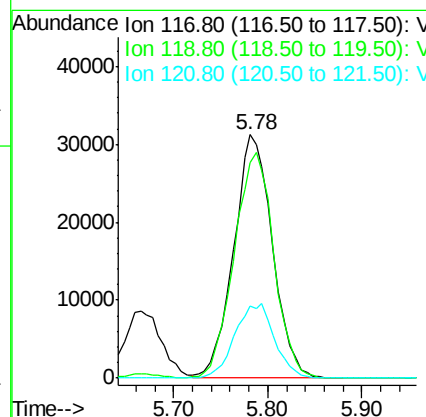
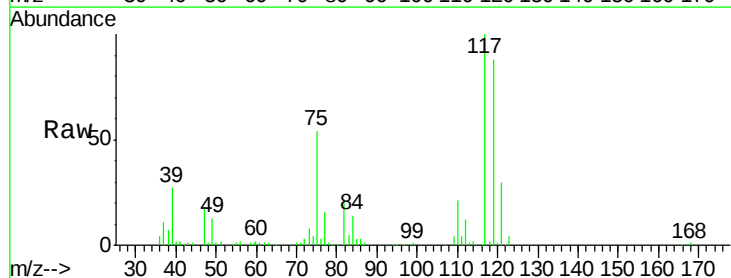
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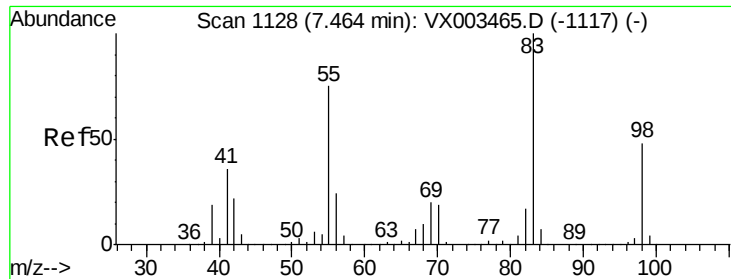
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#38
Carbon Tetrachloride
Concen: 21.98 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.3	77.4	116.0
121	29.8	24.4	36.6





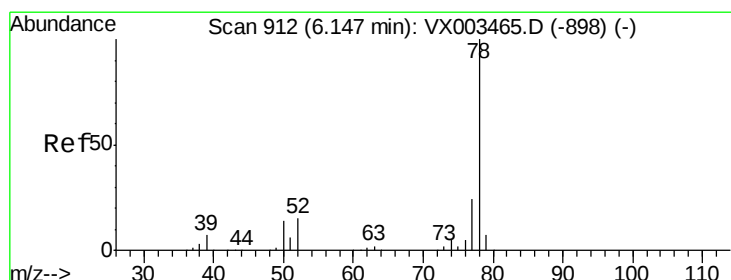
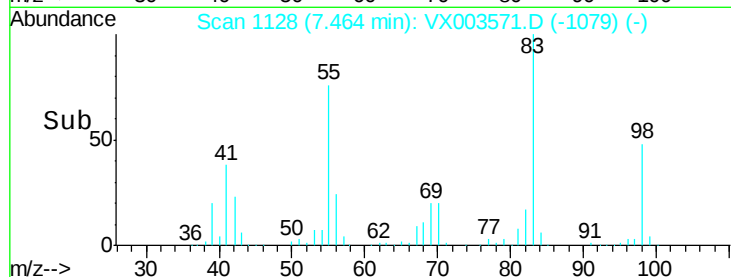
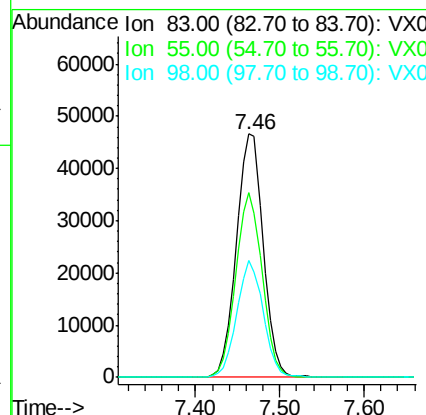
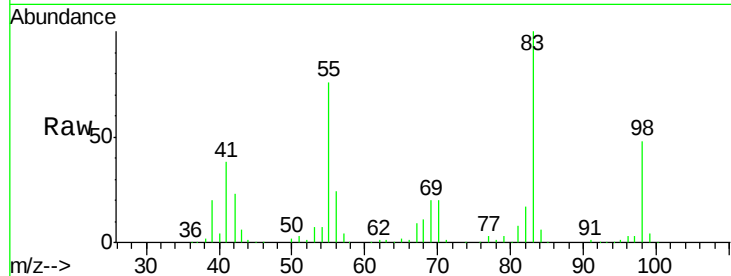
#39
Methvlcvclohexane
Concen: 20.34 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion	83.00	Resp	99992
Ion Ratio	Lower	Upper	
83	100		
55	75.6	65.4	98.0
98	47.9	37.4	56.0

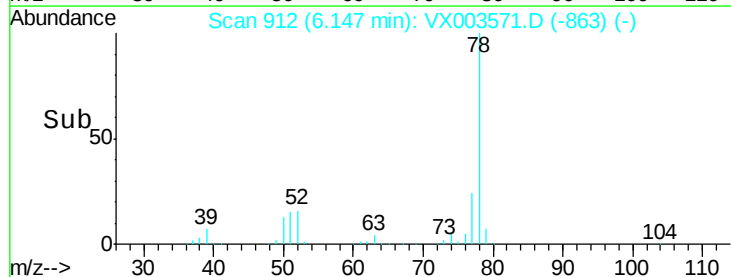
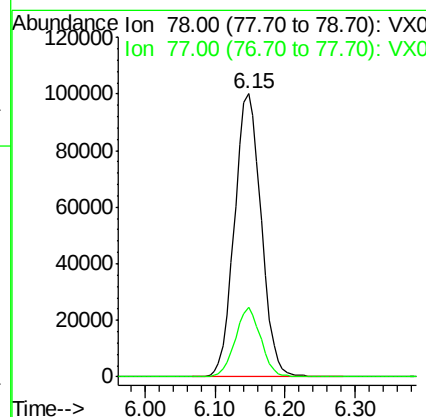
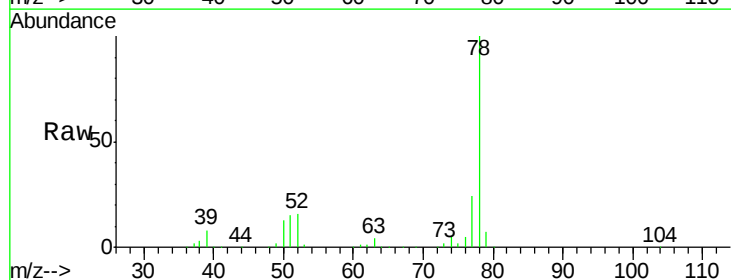
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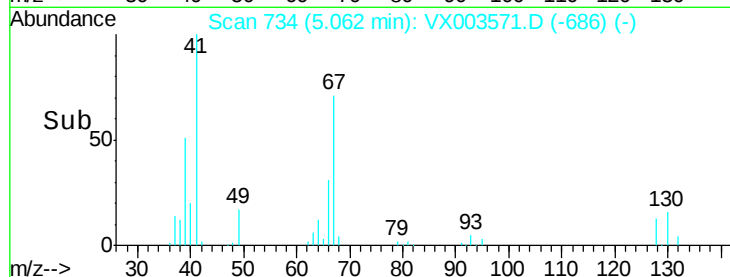
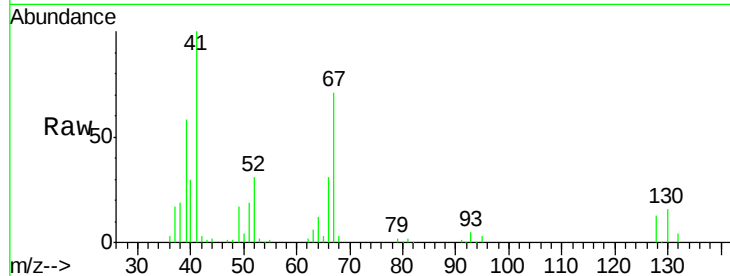
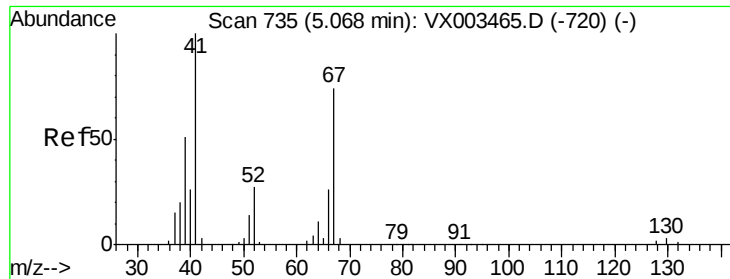
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#40
Benzene
Concen: 21.20 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	78.00	Resp	265678
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.1	28.7





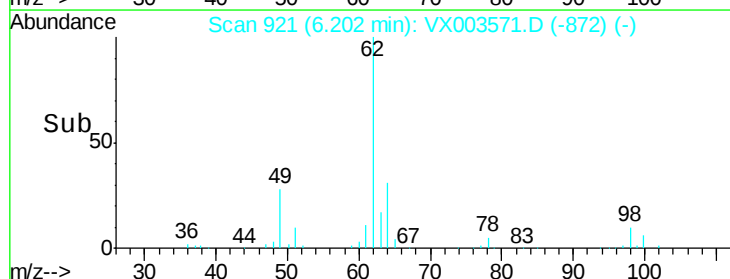
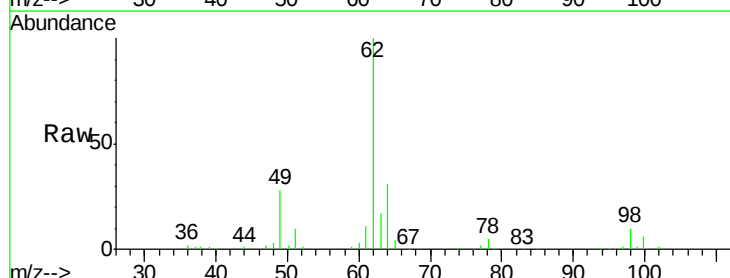
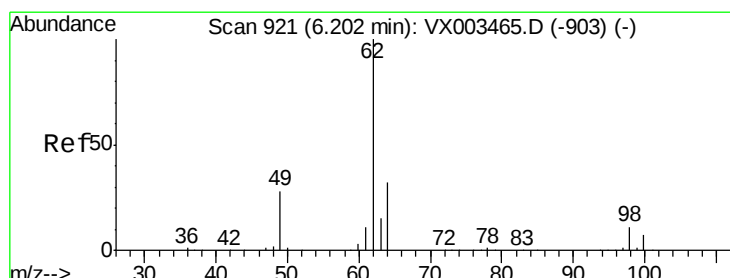
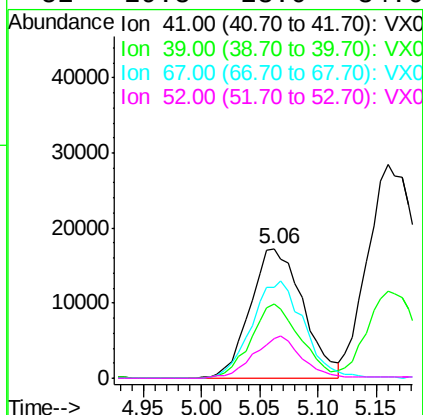
#41
Methacrylonitrile
Concen: 23.57 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	45.8	68.6	
67	74.7	51.3	76.9	
52	29.8	23.0	34.6	

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

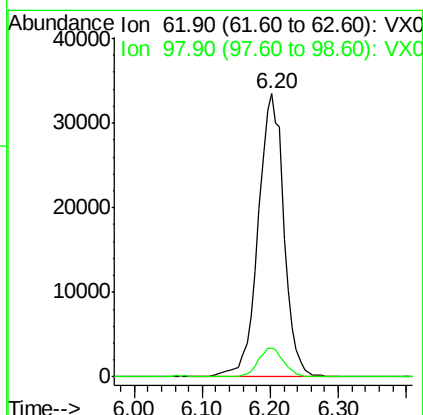
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 22.38 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	16.6	





#43

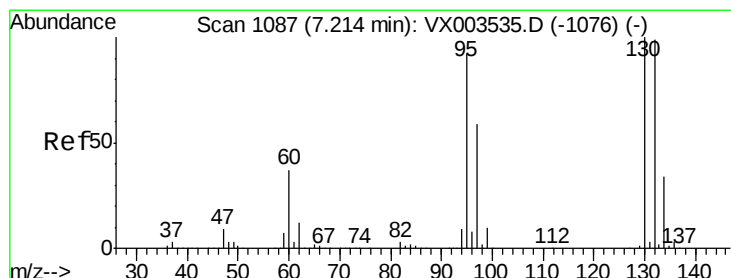
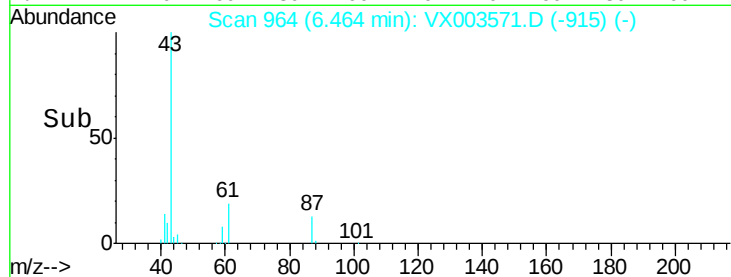
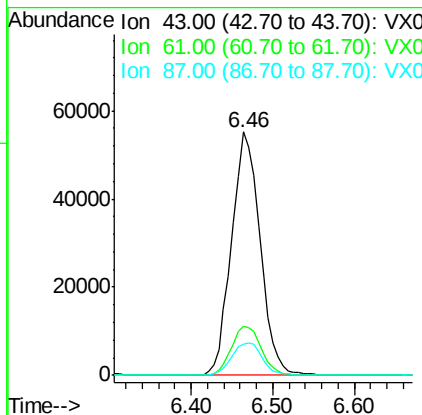
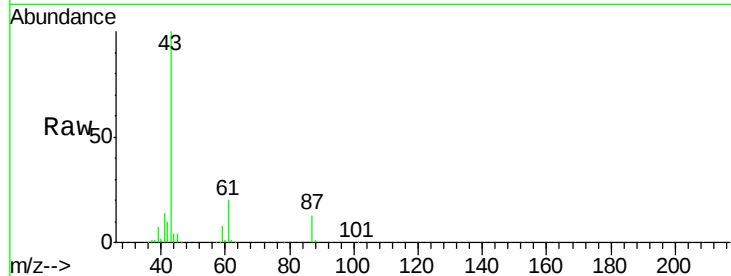
Isopropyl Acetate
 Concen: 21.40 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	14.4	21.6
87	14.2	9.5	14.3

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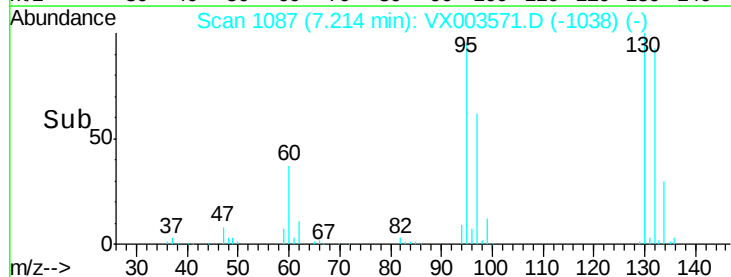
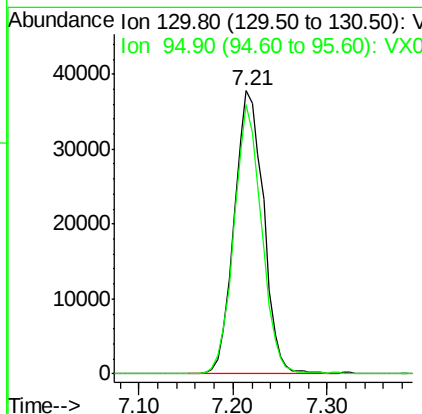
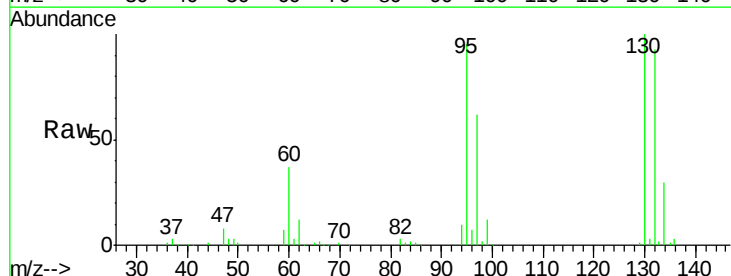
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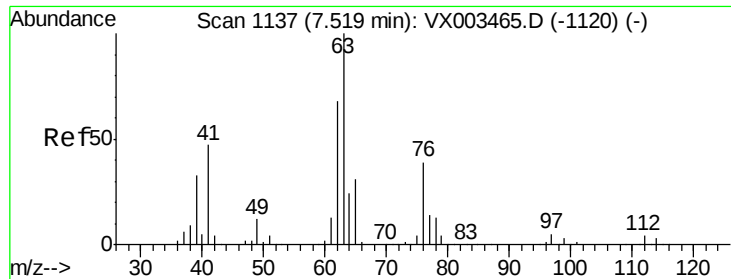


#44

Trichloroethene
 Concen: 21.81 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	185.4





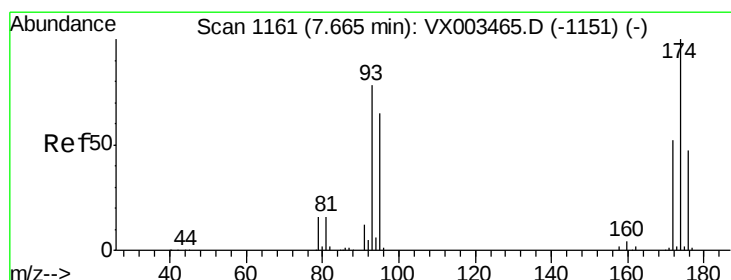
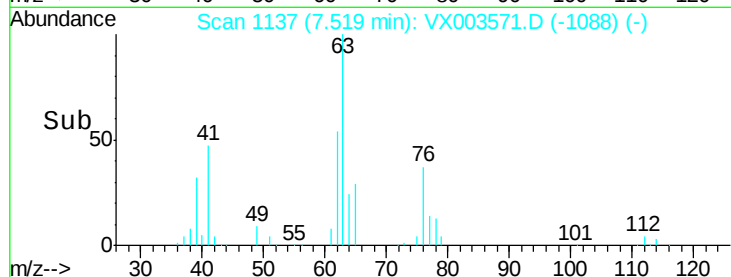
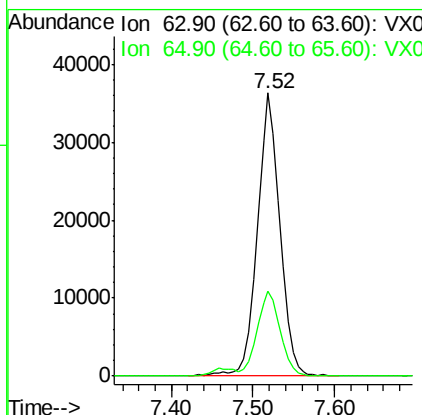
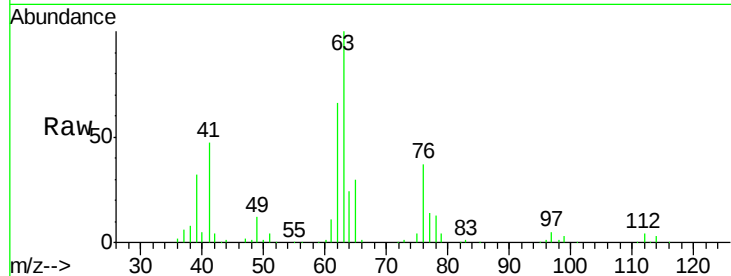
#45
 1,2-Dichloropropane
 Concen: 22.06 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS02

Tot Ion: 63 Resp: 70207
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.7 37.1

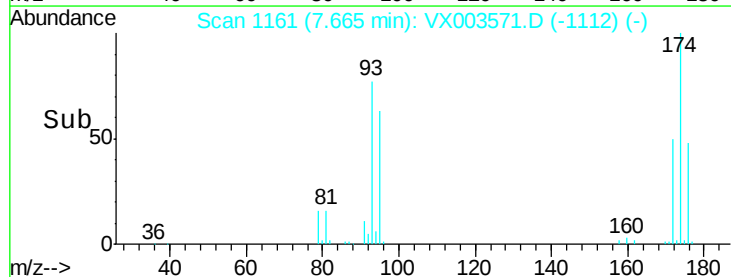
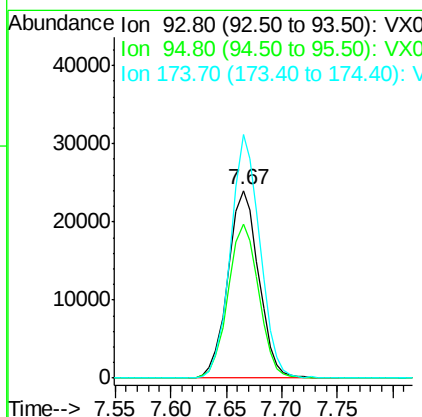
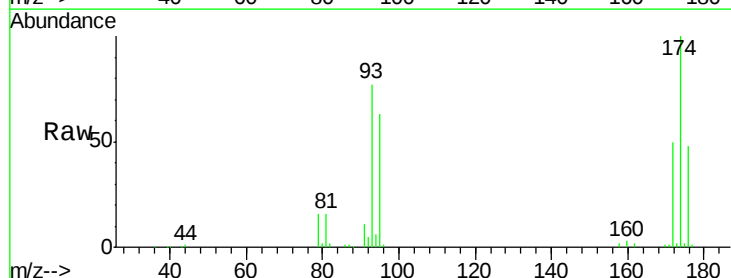
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#46
 Dibromomethane
 Concen: 22.40 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Tgt Ion: 93 Resp: 45895
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.9 98.9
 174 124.1 92.4 138.6





#47

Bromodichloromethane

Concen: 22.42 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

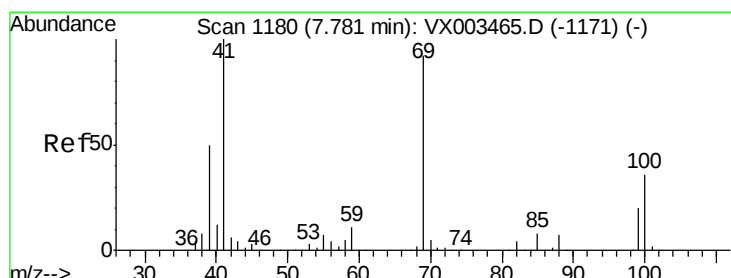
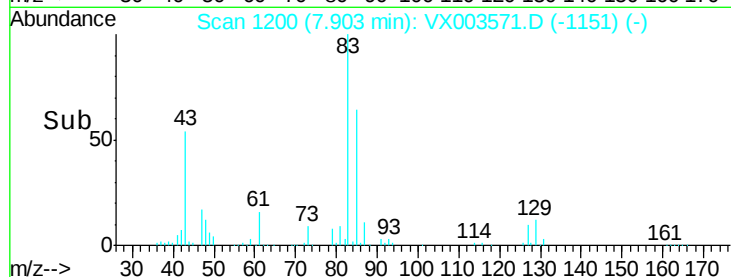
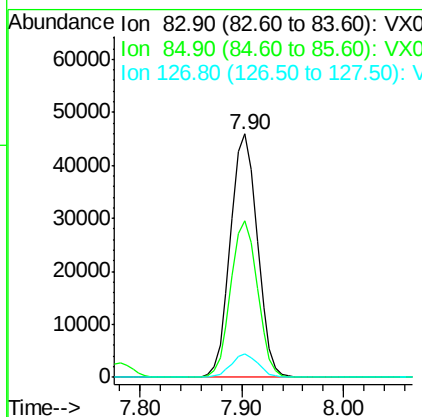
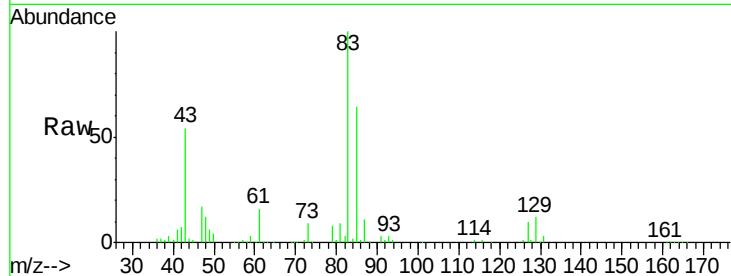
ClientSampleId :

VX0721WBS02

Tot Ion:	83	Resp:	84091
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.3	75.5
127	9.7	7.0	10.4

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#48

Methyl methacrylate

Concen: 21.97 ug/l

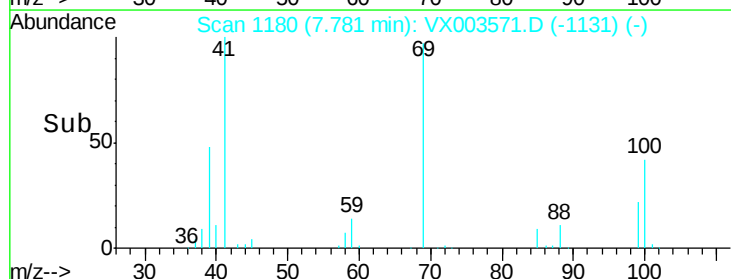
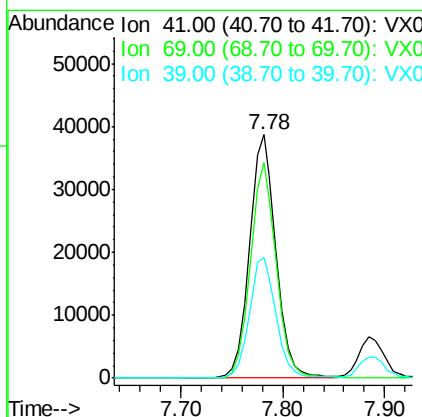
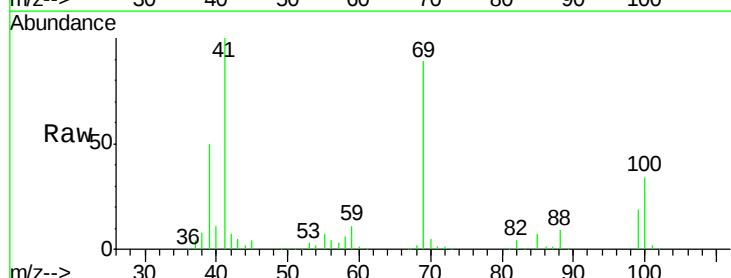
RT: 7.78 min Scan# 1180

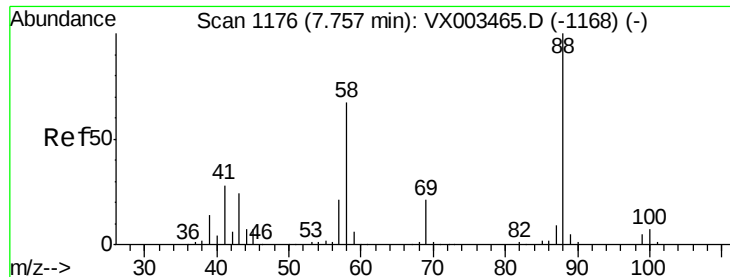
Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Tgt Ion:	41	Resp:	69238
Ion Ratio	Lower	Upper	
41	100		
69	87.4	59.1	88.7
39	49.8	48.9	73.3





#49

1,4-Dioxane

Concen: 449.95 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

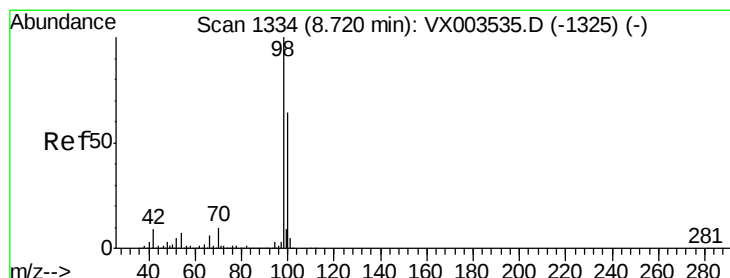
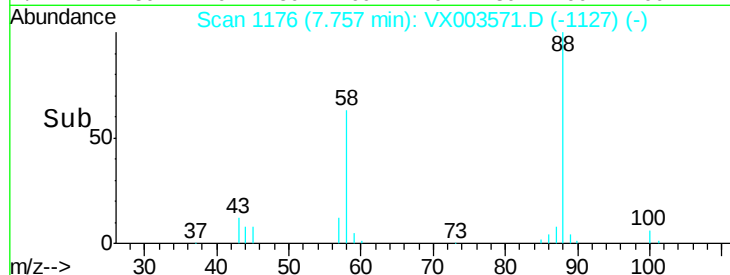
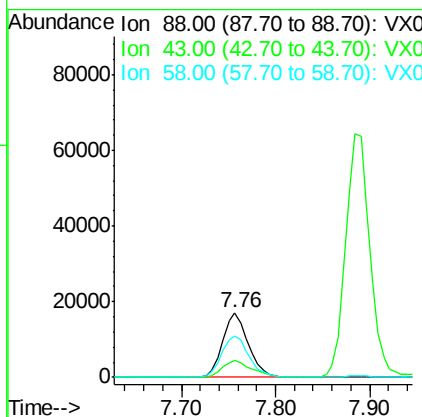
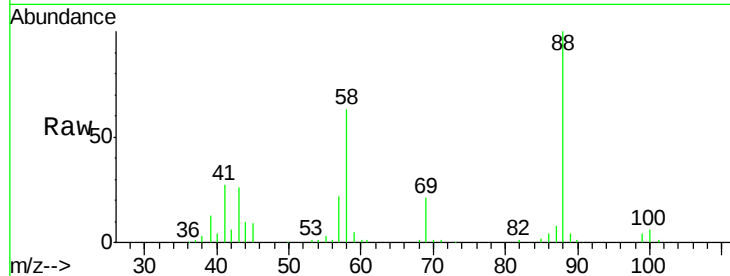
ClientSampleId :

VX0721WBS02

Tot Ion:	88	Resp:	32123
Ion	Ratio	Lower	Upper
88	100		
43	29.6	29.8	44.6#
58	68.8	57.1	85.7

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#50

Toluene-d8

Concen: 54.89 ug/l

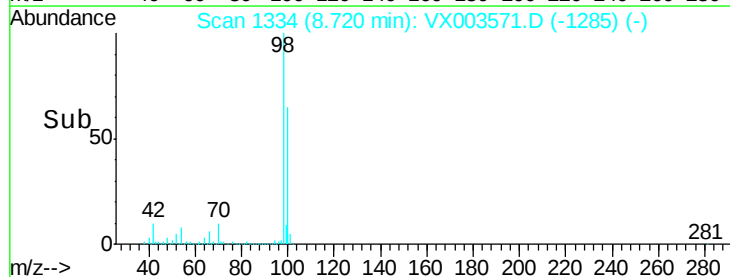
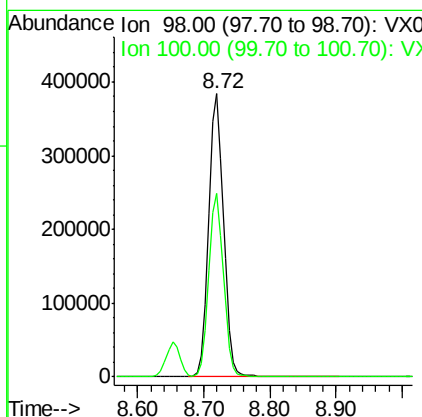
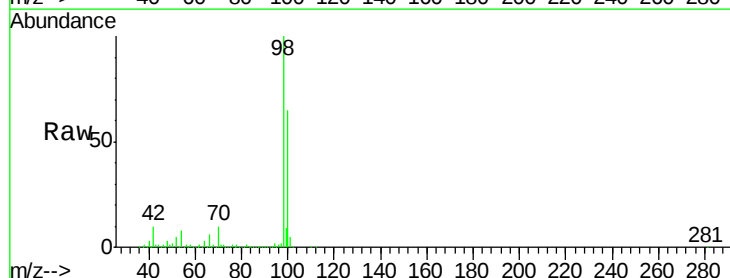
RT: 8.72 min Scan# 1334

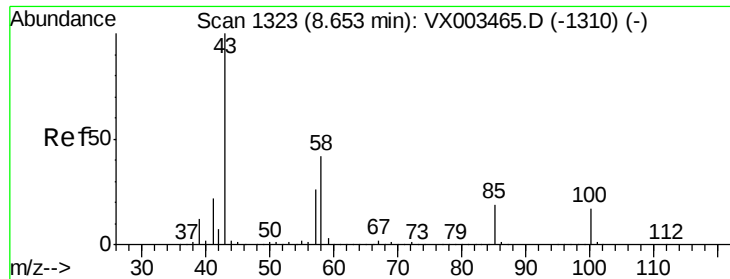
Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Tgt Ion:	98	Resp:	604137
Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.9	76.3





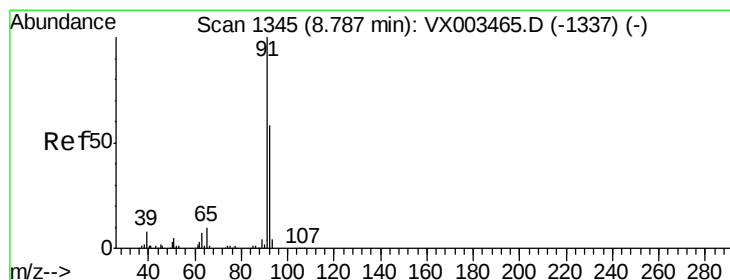
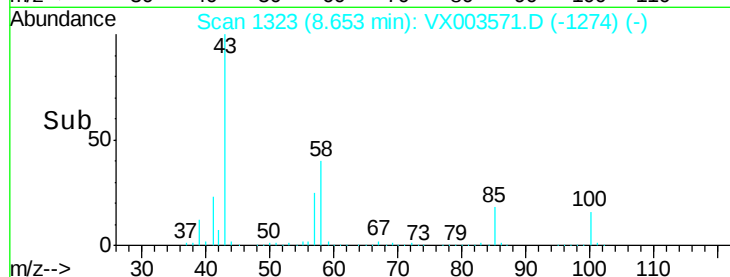
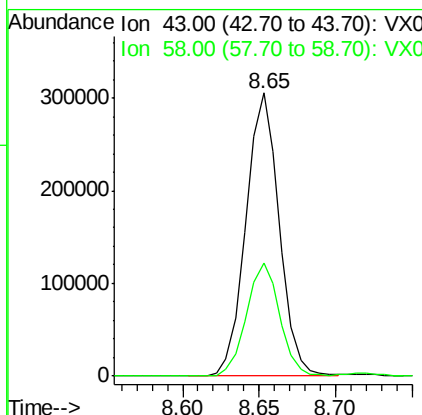
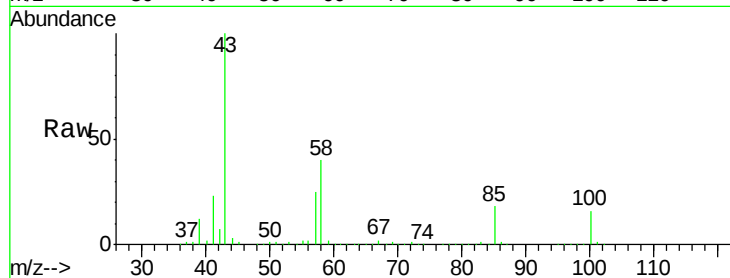
#51
4-Methyl-2-Pentanone
Concen: 117.00 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	39.9		28.6	42.8	

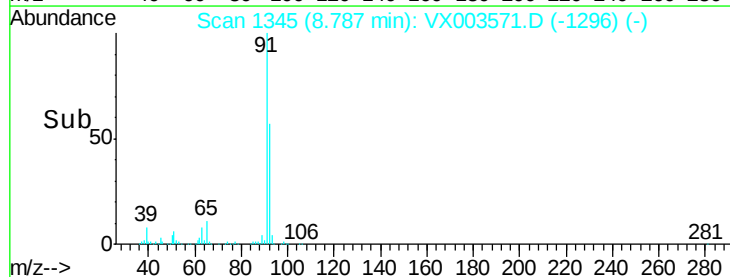
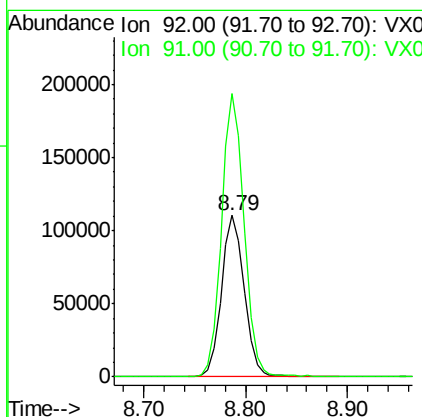
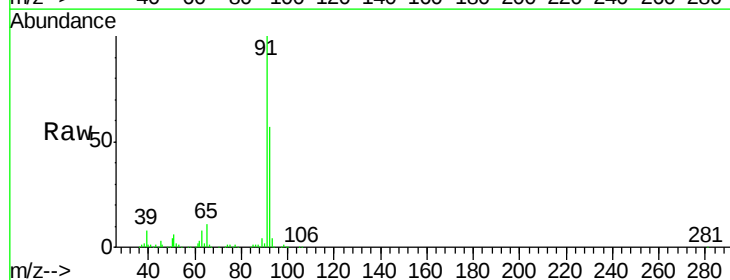
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#52
Toluene
Concen: 21.75 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	174.2		140.4	210.6	





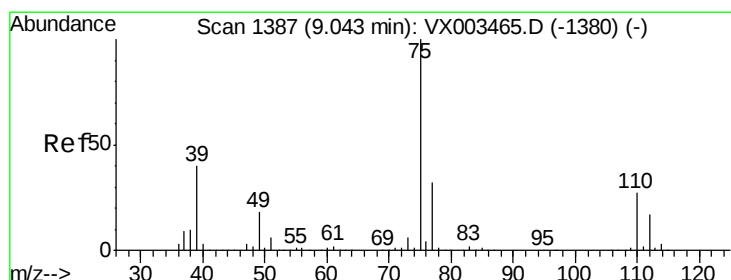
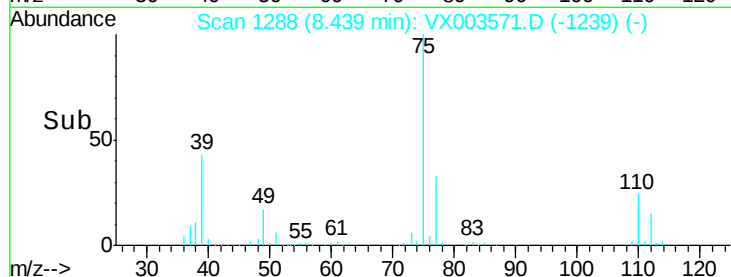
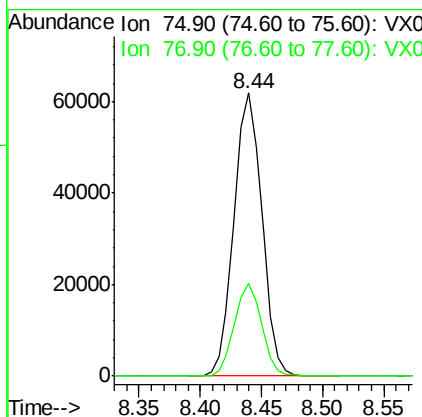
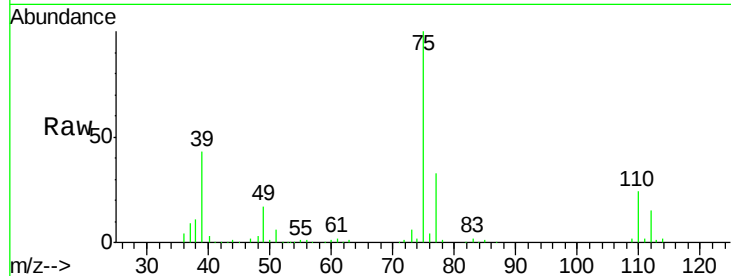
#53
t-1,3-Dichloropropene
Concen: 21.23 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion: 75 Resp: 98007
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.2

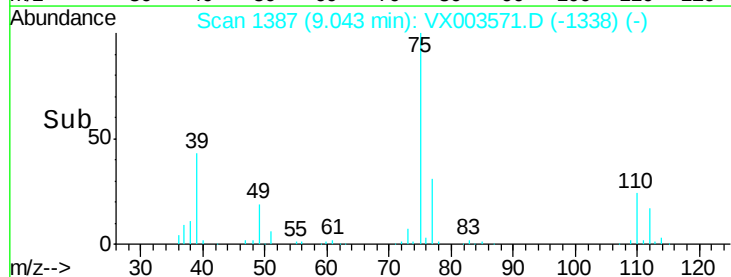
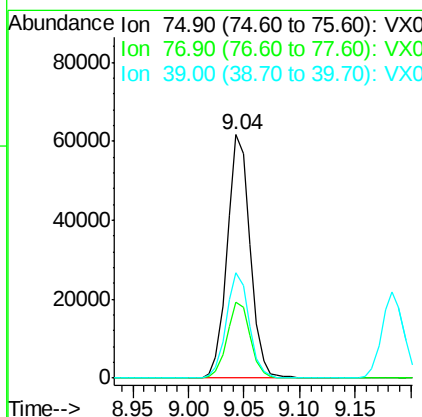
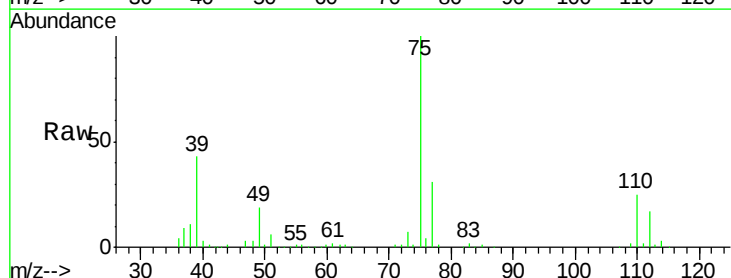
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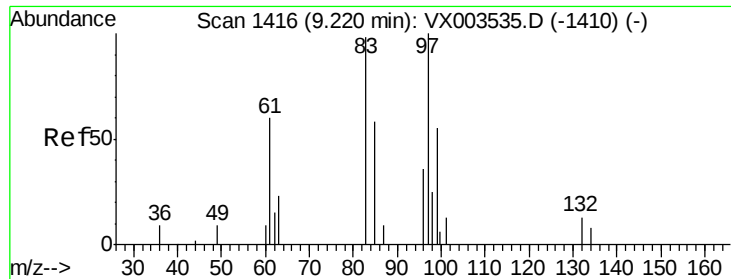
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#54
cis-1,3-Dichloropropene
Concen: 21.12 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion: 75 Resp: 87659
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2
39 43.0 42.4 63.6





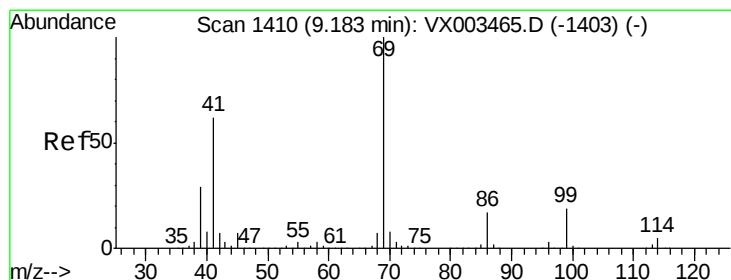
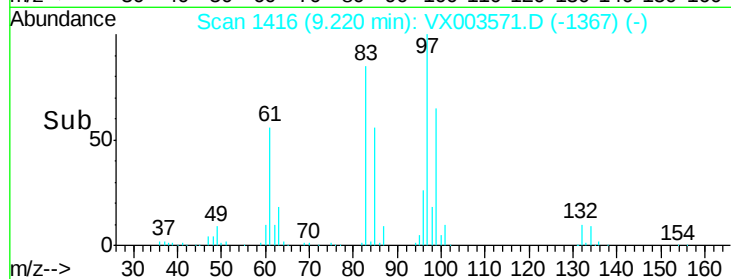
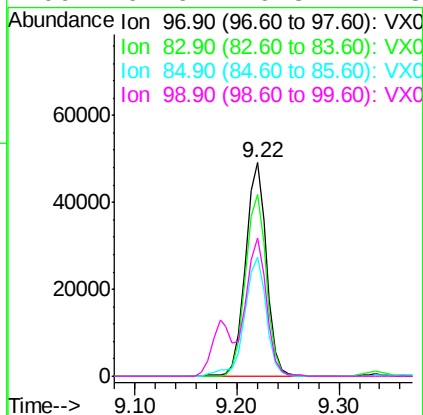
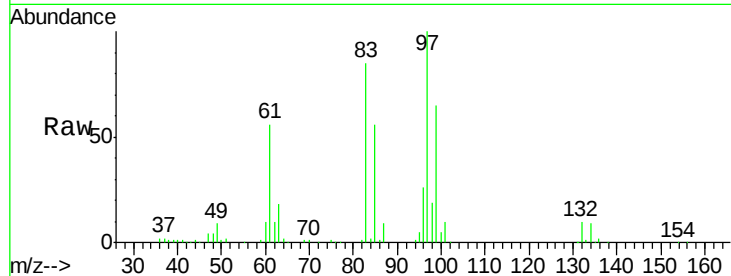
#55
 1,1,2-Trichloroethane
 Concen: 22.37 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.2	105.2
85	55.9	44.9	67.3
99	64.6	49.8	74.8

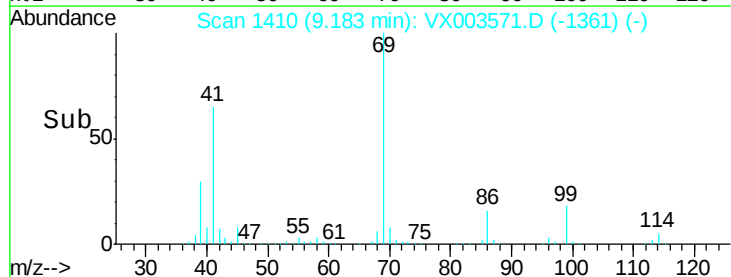
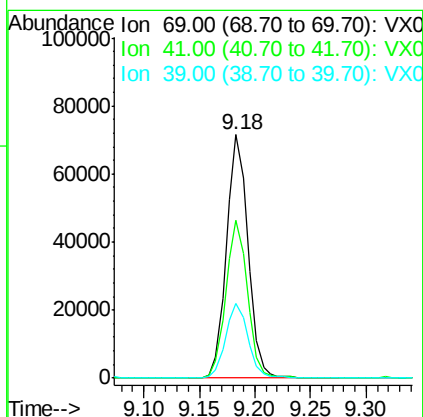
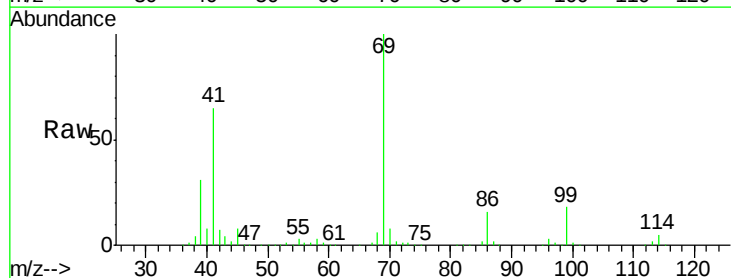
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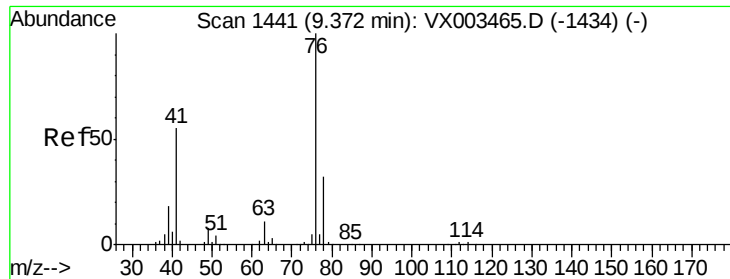
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#56
 Ethyl methacrylate
 Concen: 21.75 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.6	60.3	90.5
39	31.8	35.8	53.8#





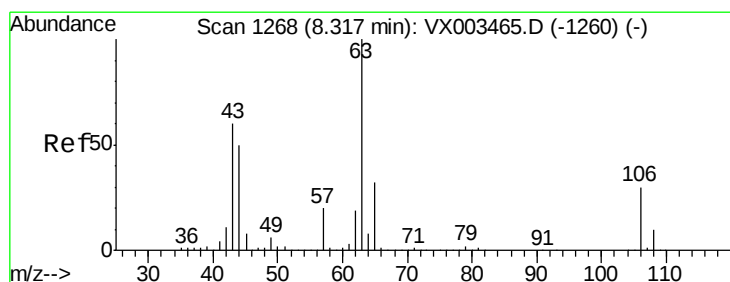
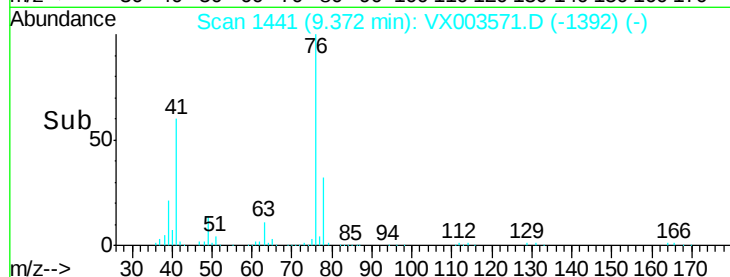
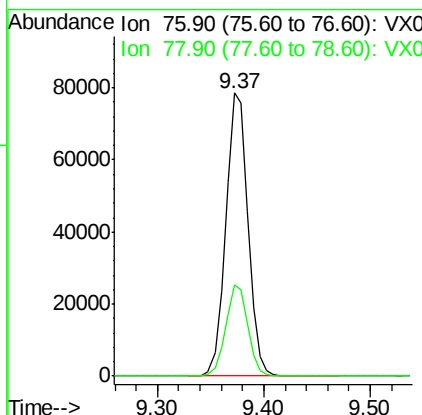
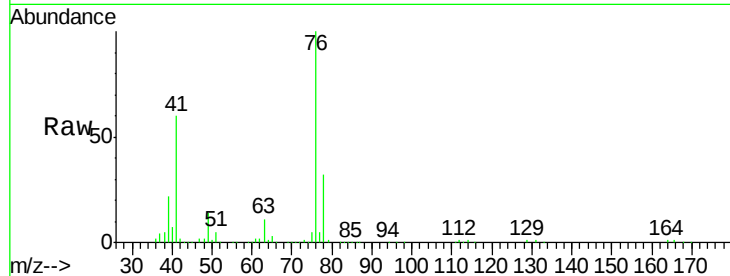
#57
 1,3-Dichloropropane
 Concen: 22.51 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS02

Tot Ion: 76 Resp: 114209
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

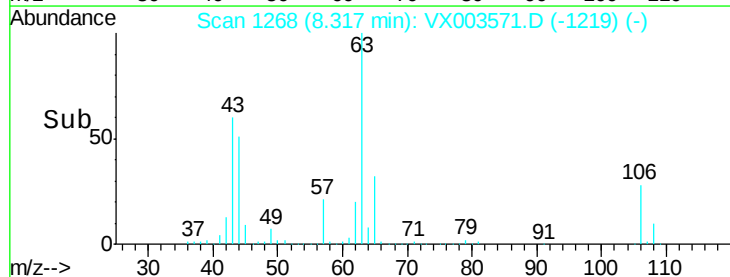
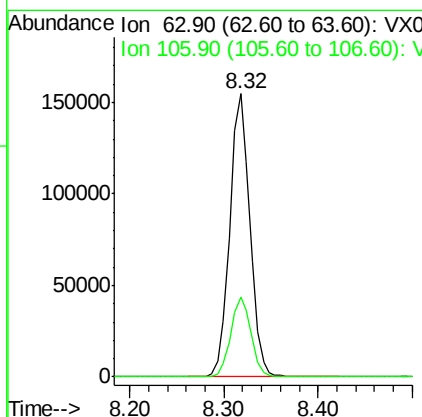
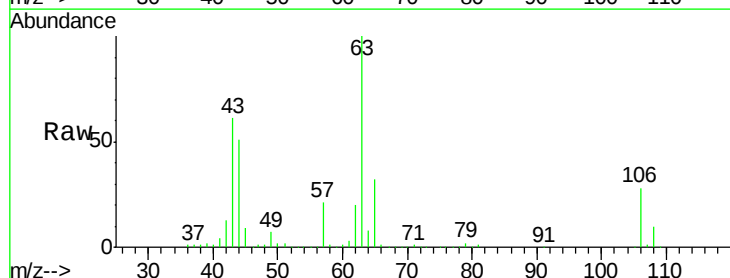
Manual Integrations
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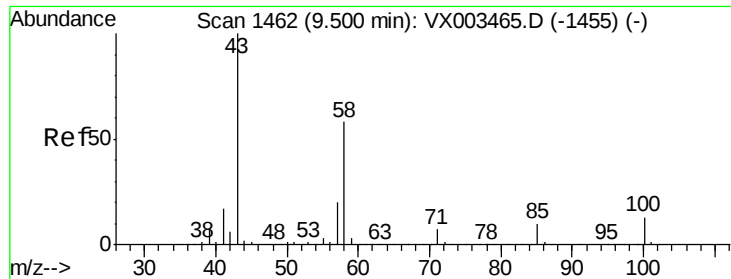
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#58
 2-Chloroethyl Vinyl ether
 Concen: 106.79 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Tgt Ion: 63 Resp: 229595
 Ion Ratio Lower Upper
 63 100
 106 28.3 21.8 32.8





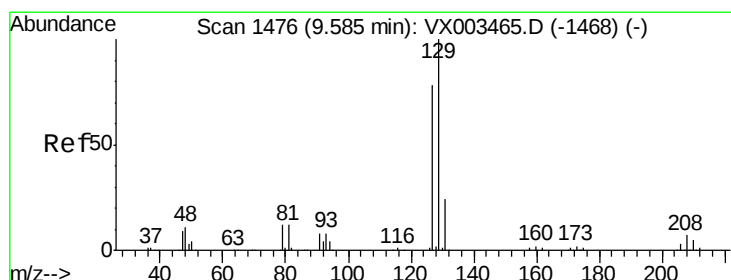
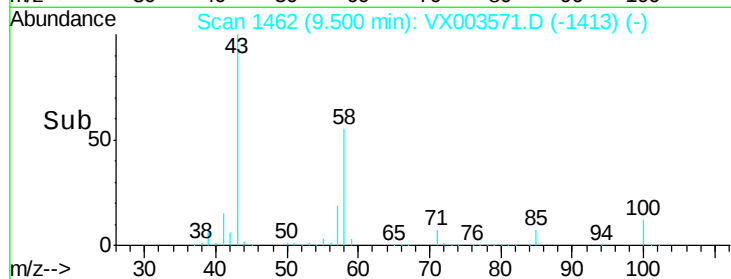
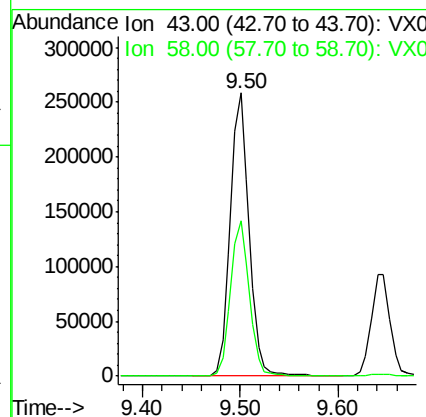
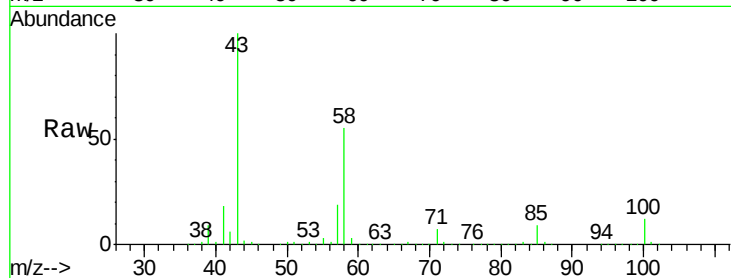
#59
2-Hexanone
Concen: 118.51 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion	43	Resp	346586
Ion Ratio	100	Lower	Upper
58	55.1	24.6	73.6

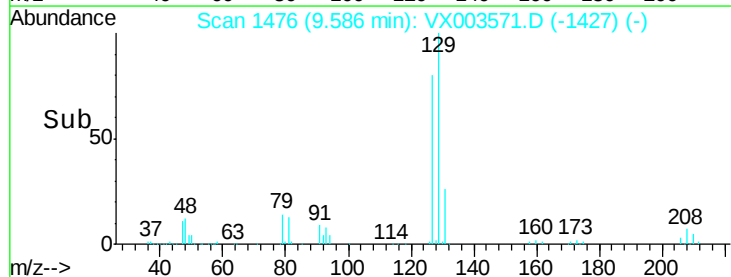
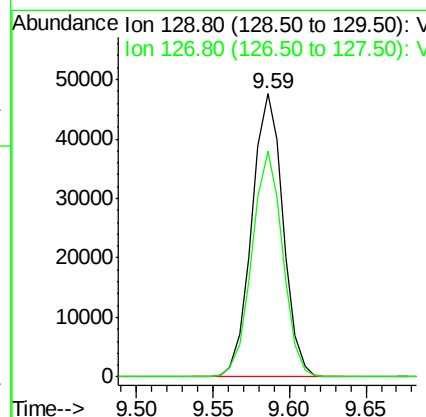
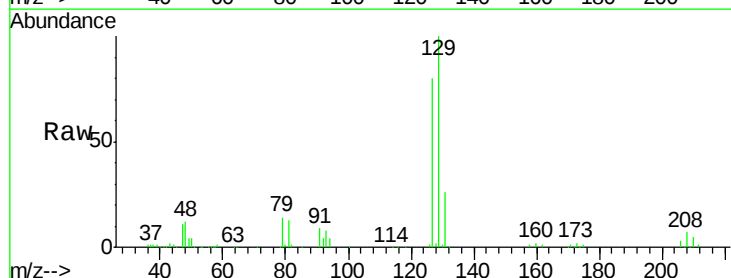
Manual Integrations
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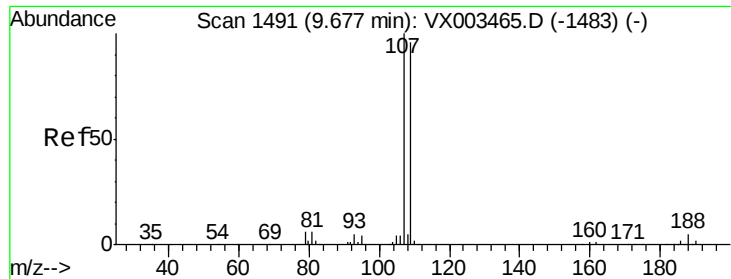
MMDadoda
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#60
Dibromochloromethane
Concen: 21.75 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	129	Resp	67577
Ion Ratio	100	Lower	Upper
127	78.4	38.5	115.3





#61

1,2-Dibromoethane

Concen: 21.90 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion:107 Resp: 71251

Ion Ratio Lower Upper

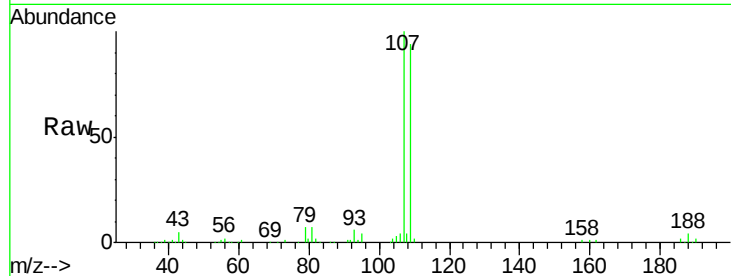
107 100

109 95.2 75.3 112.9

Manual Integrations
APPROVED

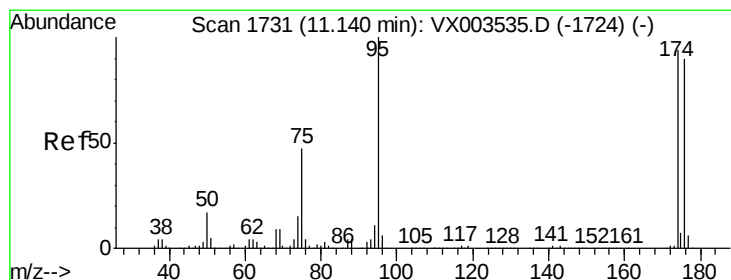
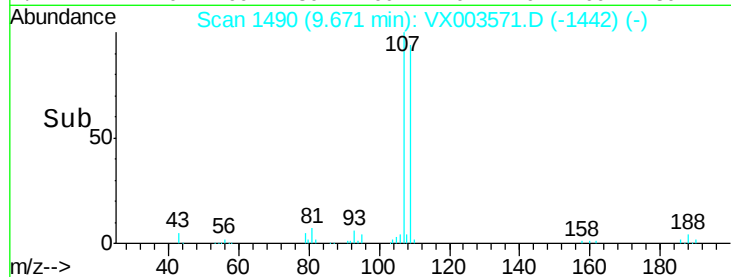
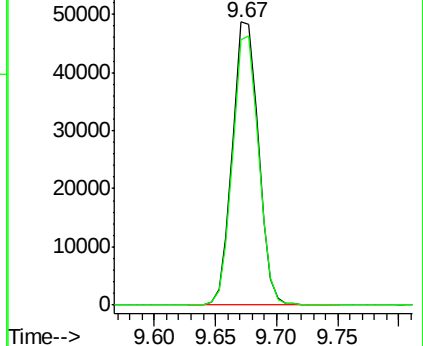
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

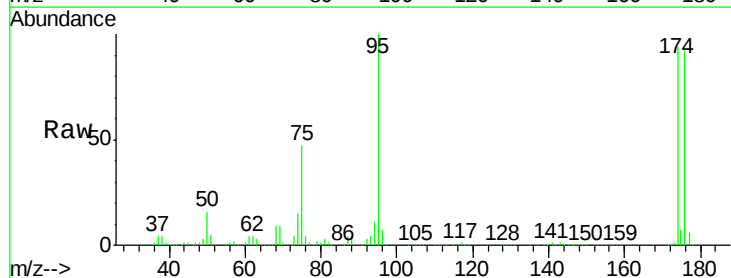
Tgt Ion: 95 Resp: 217901

Ion Ratio Lower Upper

95 100

174 94.8 0.0 187.4

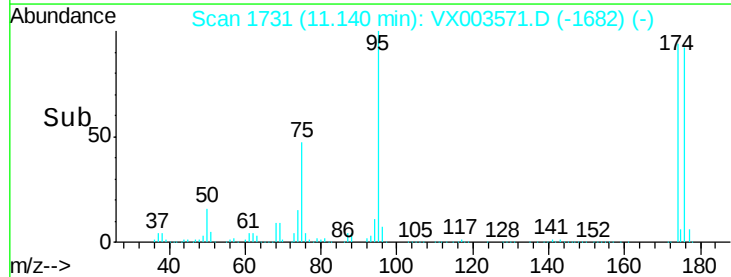
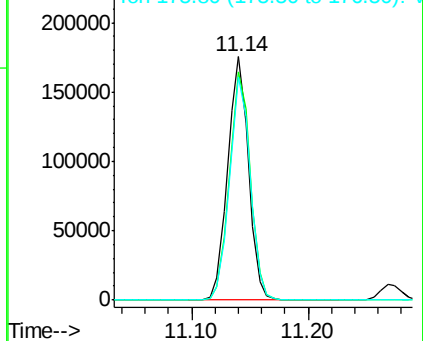
176 91.8 0.0 181.0

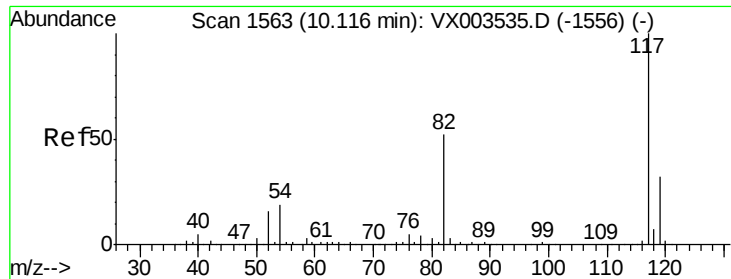


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





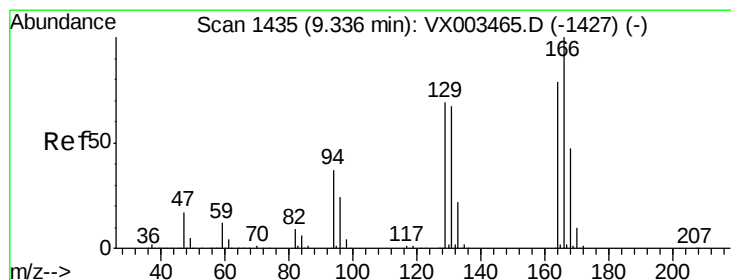
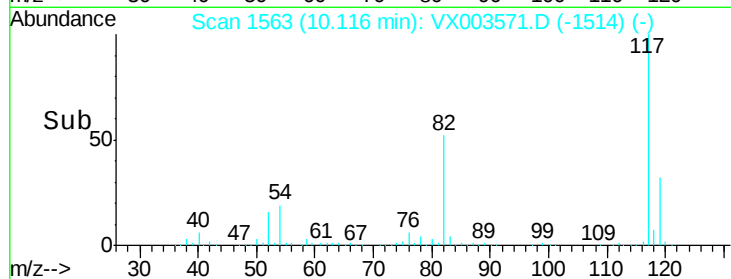
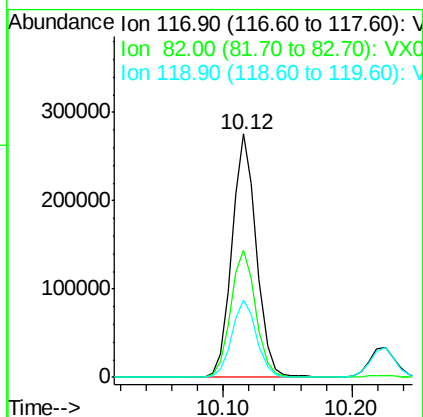
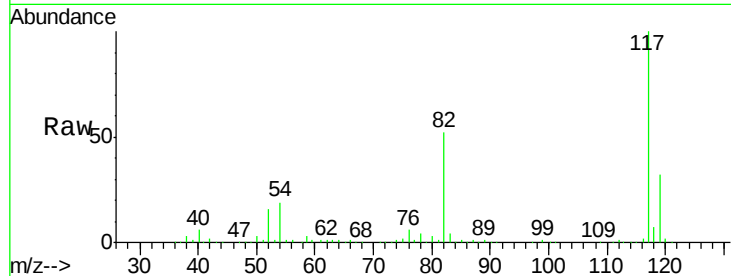
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	45.0	67.4
119	31.6	25.8	38.6

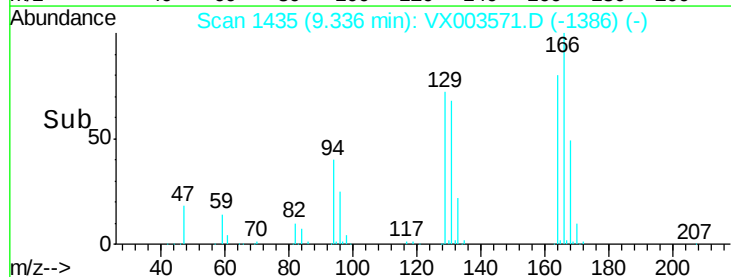
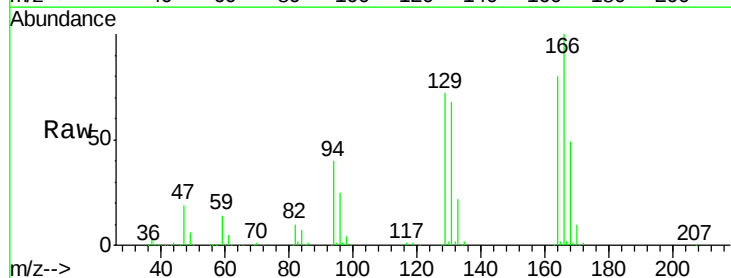
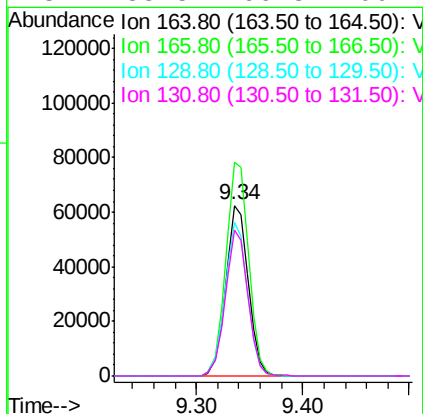
Manual Integrations
APPROVED

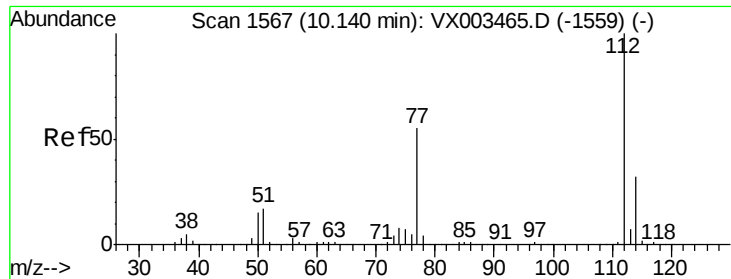
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#64
Tetrachloroethene
Concen: 20.80 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.9	154.3
129	90.4	68.6	102.8
131	85.5	66.8	100.2





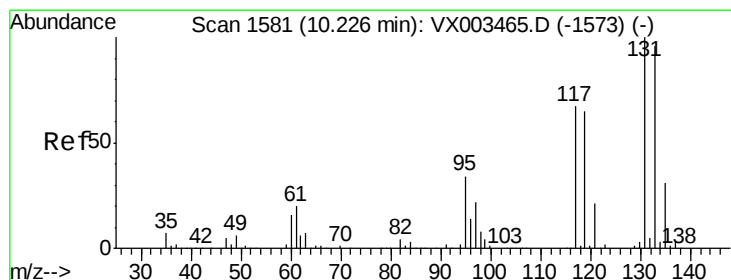
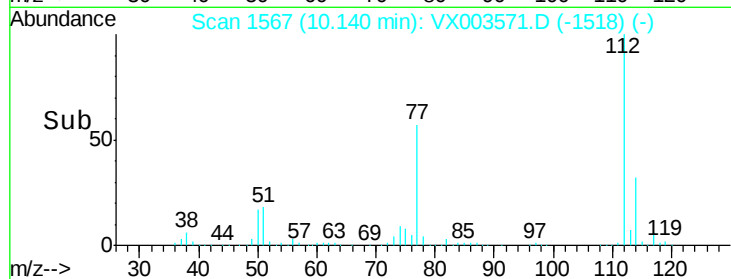
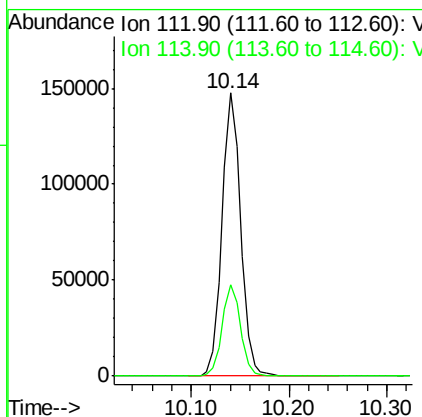
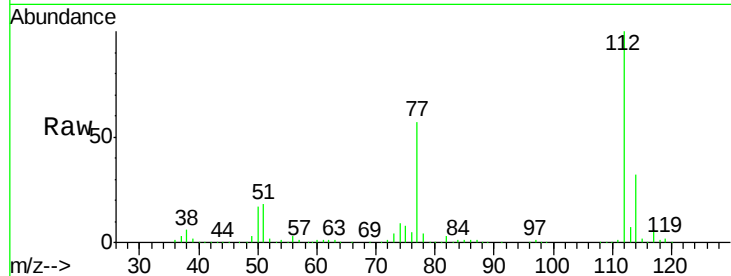
#65
Chlorobenzene
Concen: 20.90 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion:112 Resp: 196409
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

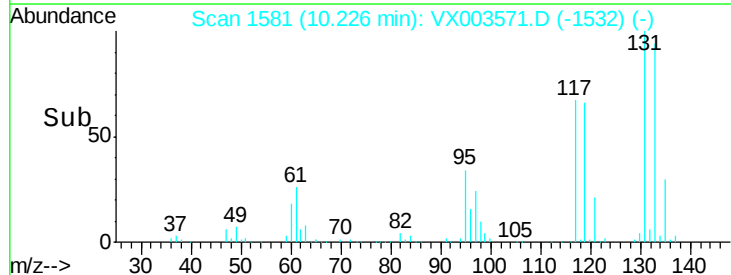
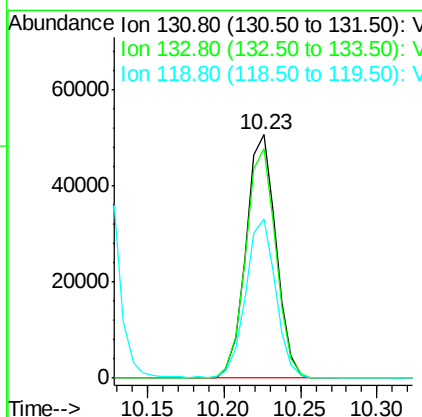
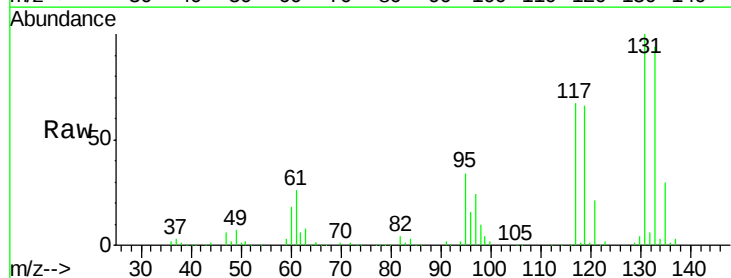
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.31 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion:131 Resp: 68927
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.6
119 65.2 31.8 95.3





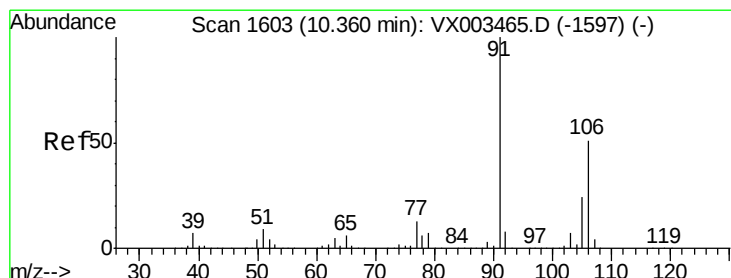
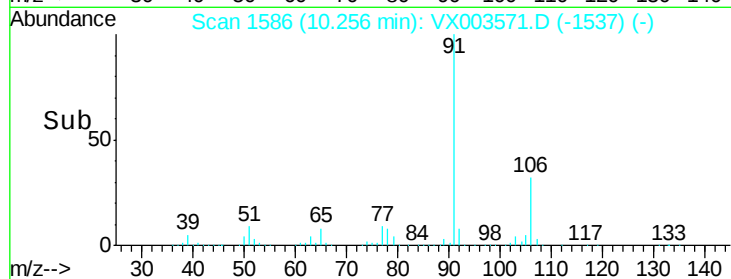
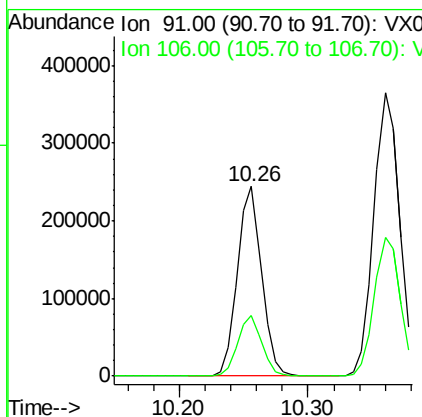
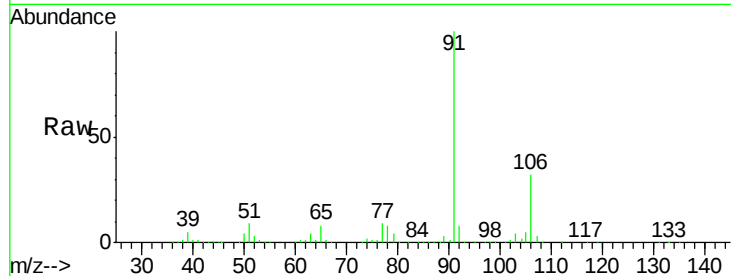
#67
Ethyl Benzene
Concen: 21.20 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion: 91 Resp: 320394
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

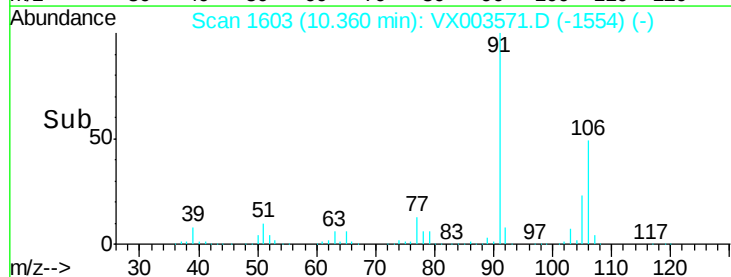
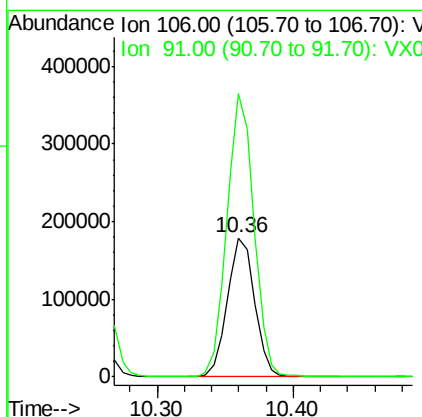
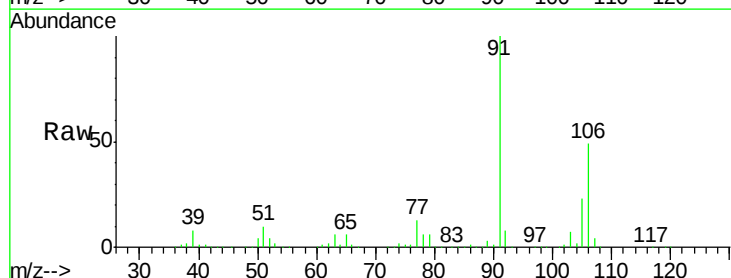
Manual Integrations
APPROVED

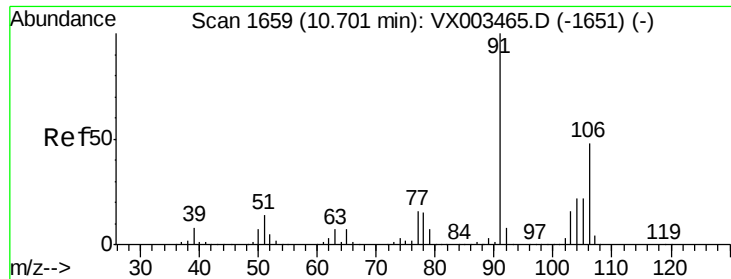
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#68
m/p-Xylenes
Concen: 42.03 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion: 106 Resp: 248998
Ion Ratio Lower Upper
106 100
91 202.2 163.4 245.2





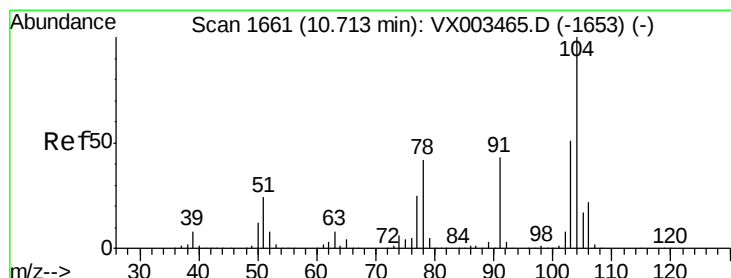
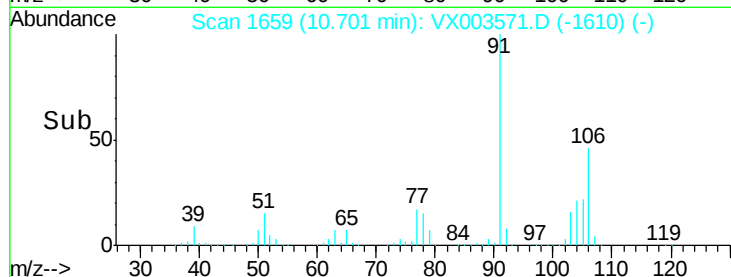
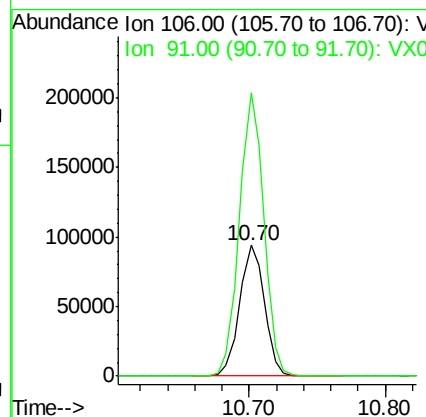
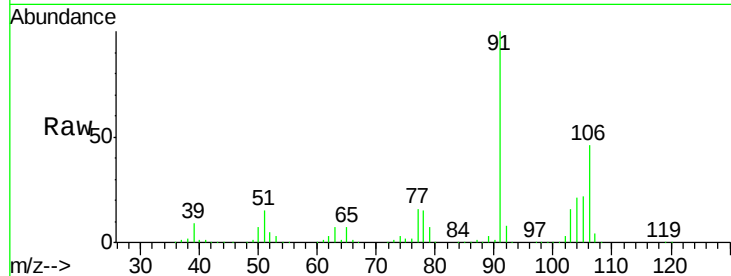
#69
o-Xylene
Concen: 20.84 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion:106 Resp: 119414
Ion Ratio Lower Upper
106 100
91 214.5 108.2 324.6

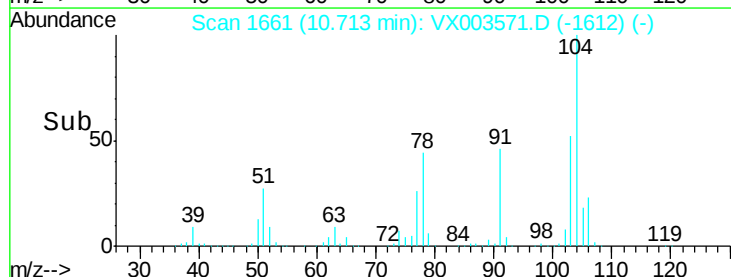
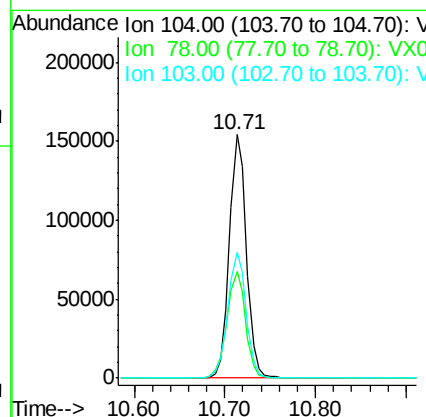
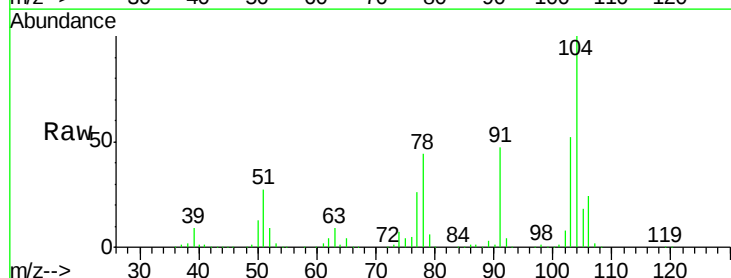
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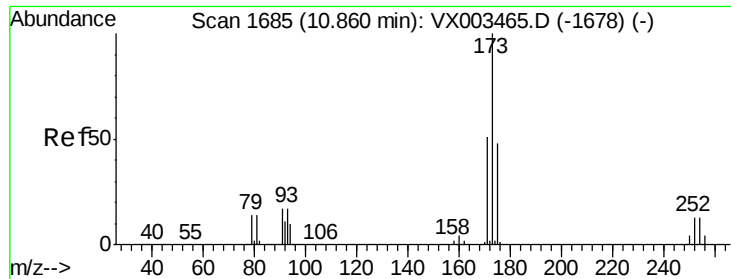
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#70
Styrene
Concen: 21.41 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion:104 Resp: 201728
Ion Ratio Lower Upper
104 100
78 48.2 41.0 61.6
103 55.7 44.2 66.4





#71

Bromoform

Concen: 20.34 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion:173 Resp: 51100

Ion Ratio Lower Upper

173 100

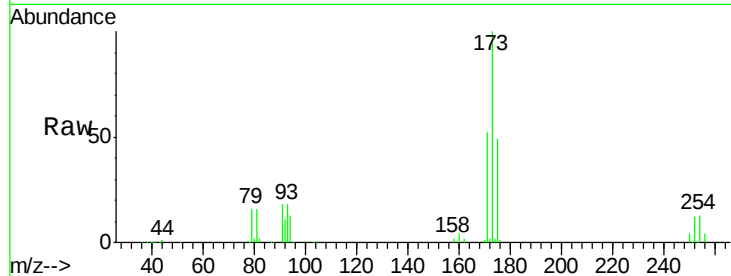
175 48.8 24.7 74.1

254 0.0 0.2 0.2#

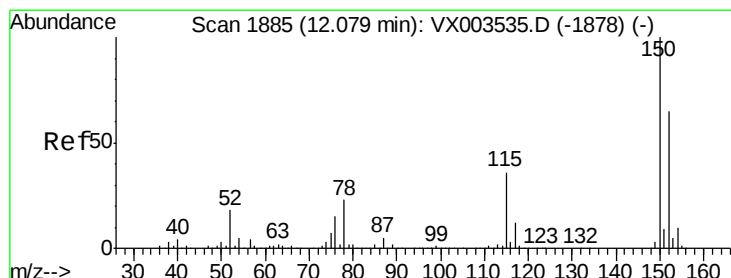
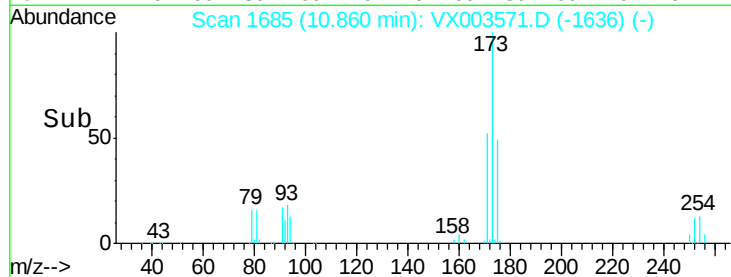
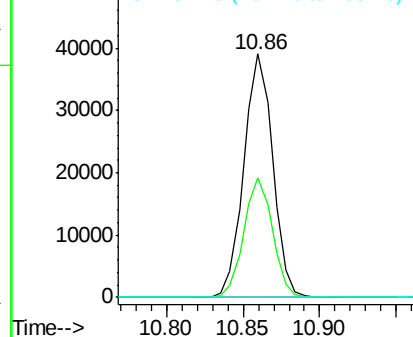
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

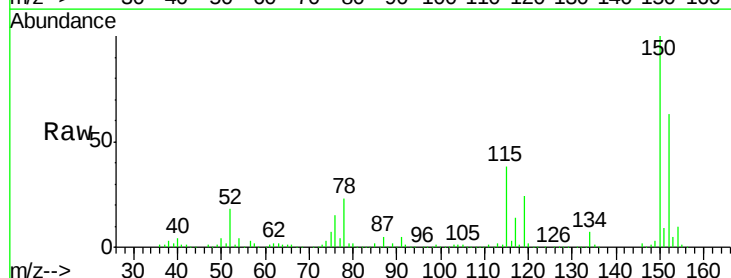
Tgt Ion:152 Resp: 219342

Ion Ratio Lower Upper

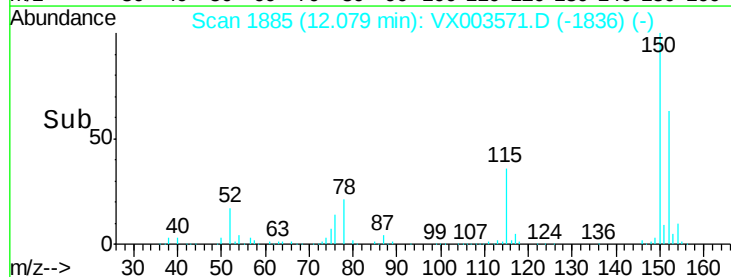
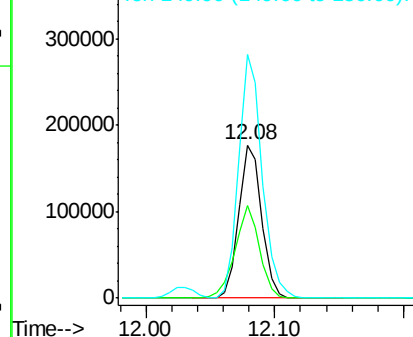
152 100

115 64.6 40.1 120.2

150 164.5 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.34 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion: 105 Resp: 323745

Ion Ratio Lower Upper

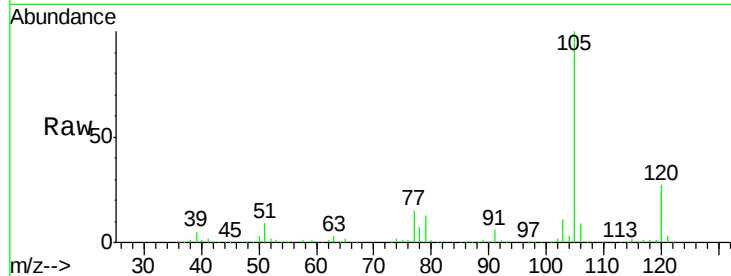
105 100

120 27.3 13.5 40.4

Manual Integrations
APPROVED

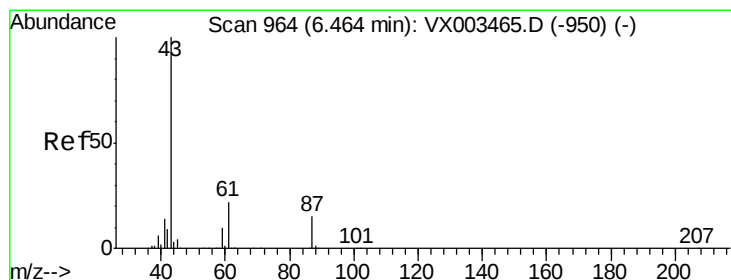
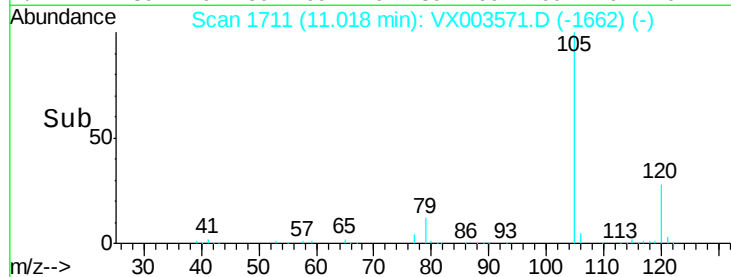
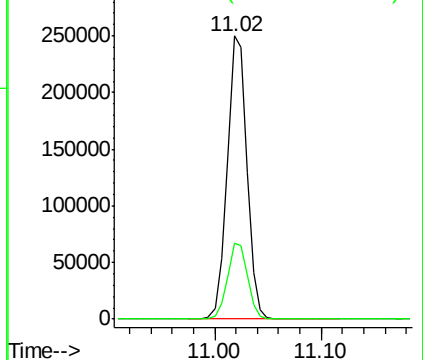
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.76 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Tgt Ion: 43 Resp: 133715

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

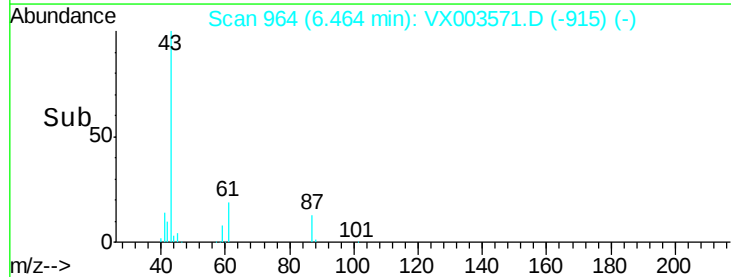
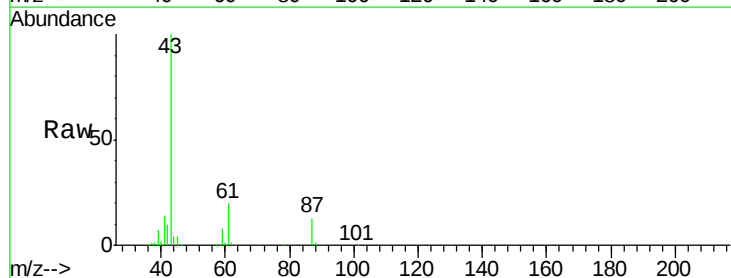
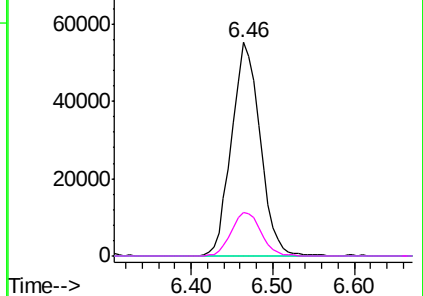
61 21.1 14.4 21.6

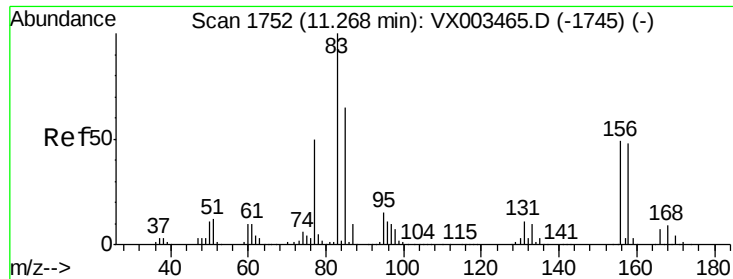
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.78 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion: 83 Resp: 96821

Ion Ratio Lower Upper

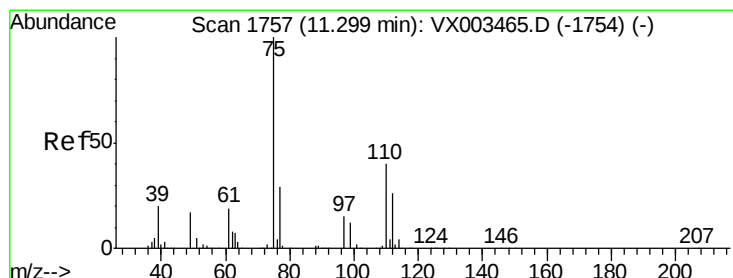
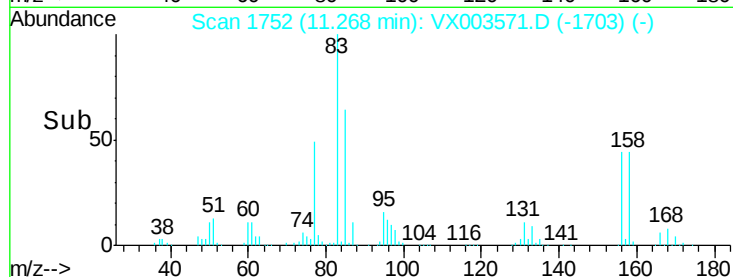
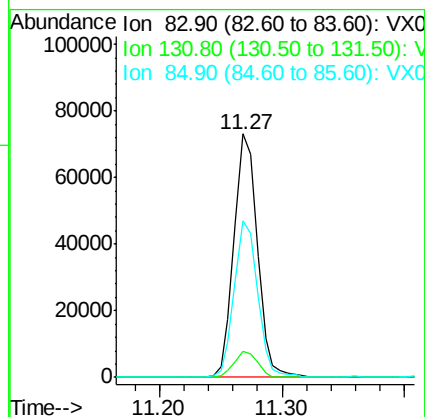
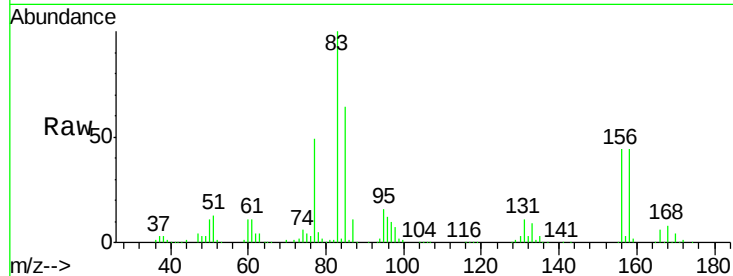
83 100

131 10.7 5.6 16.8

85 64.3 32.4 97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.62 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003571.D

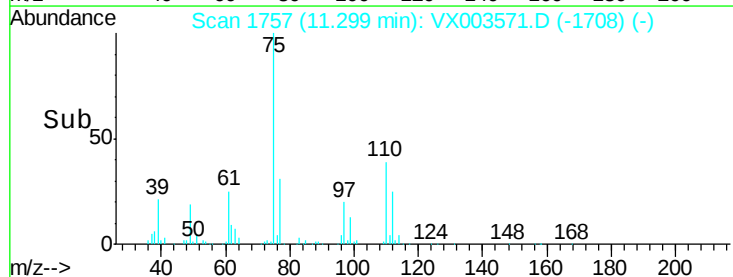
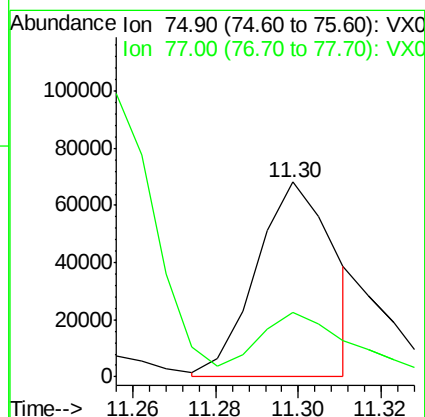
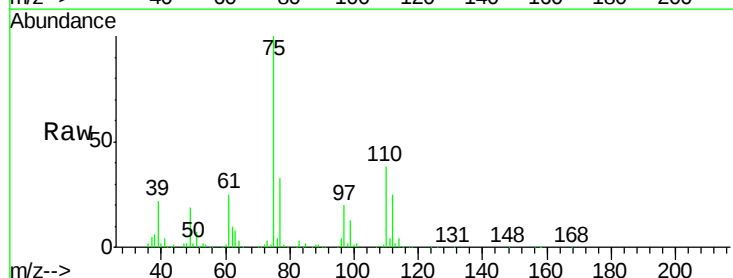
Acq: 21 Jul 2018 23:17

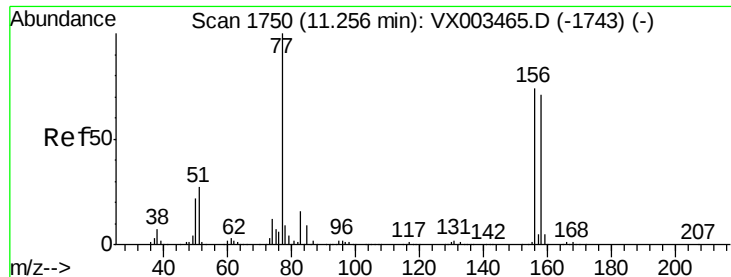
Tgt Ion: 75 Resp: 89135

Ion Ratio Lower Upper

75 100

77 40.0 22.8 68.3





#77

Bromobenzene

Concen: 20.65 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion:156 Resp: 90094

Ion Ratio Lower Upper

156 100

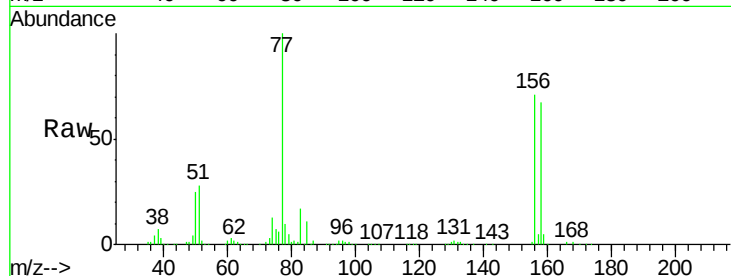
77 140.6 71.4 214.2

158 97.0 48.9 146.6

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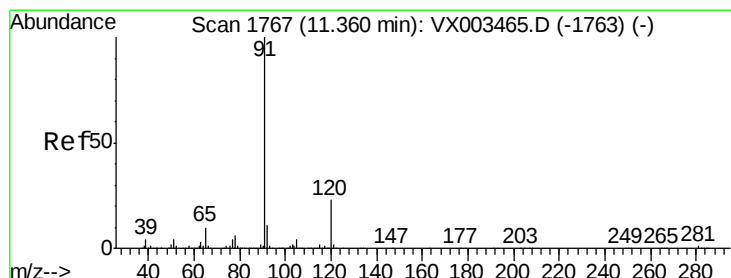
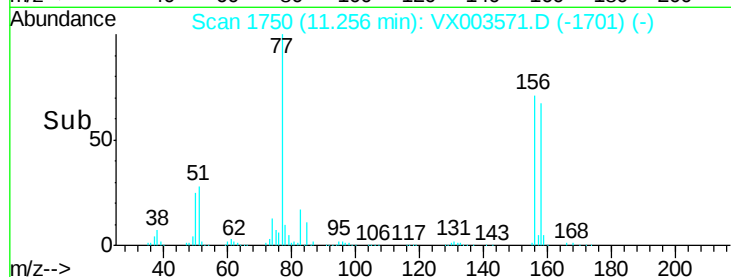
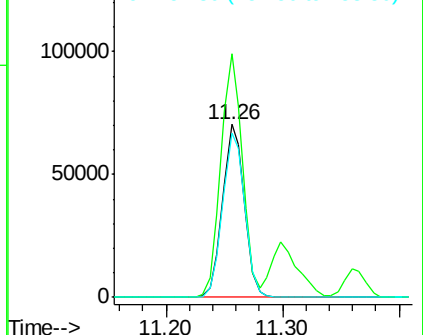
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.86 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003571.D

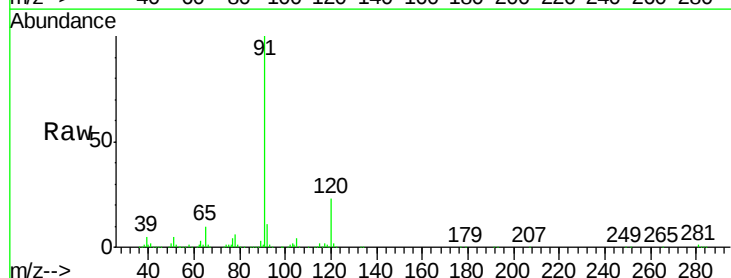
Acq: 21 Jul 2018 23:17

Tgt Ion: 91 Resp: 368681

Ion Ratio Lower Upper

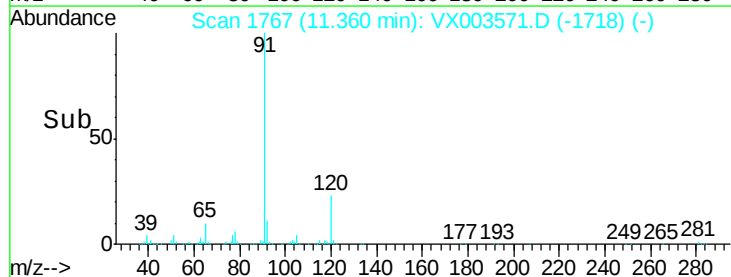
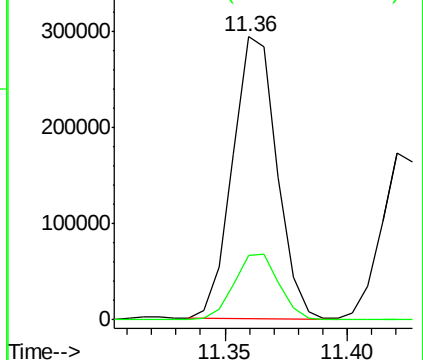
91 100

120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.58 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion: 91 Resp: 220928

Ion Ratio Lower Upper

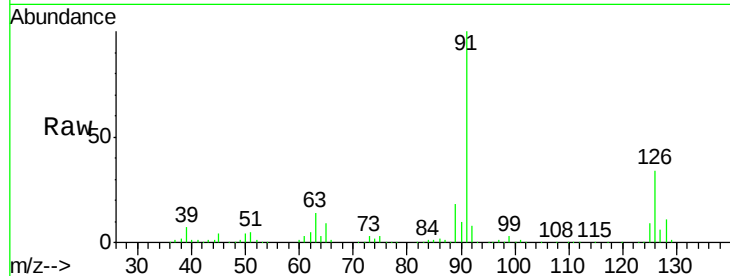
91 100

126 35.6 17.7 53.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003465.D (-1773) (-)

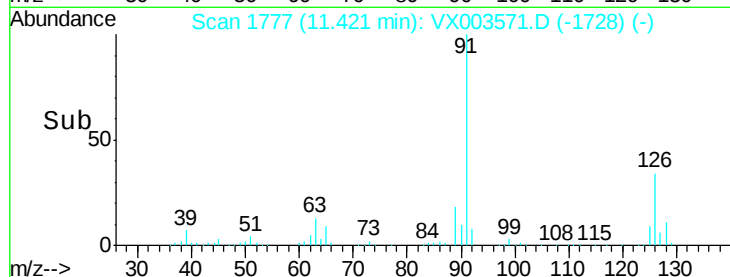
300000

200000

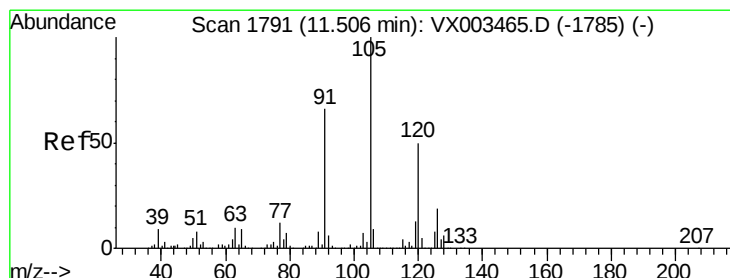
100000

0

11.40 11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.74 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003571.D

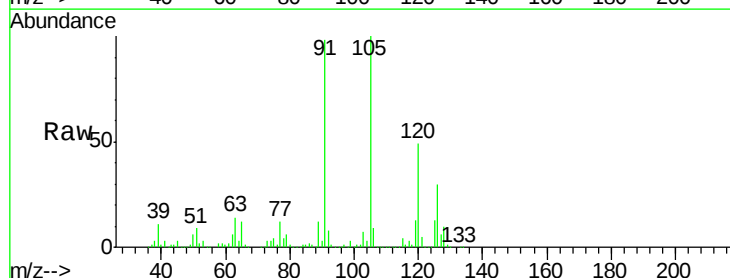
Acq: 21 Jul 2018 23:17

Tgt Ion: 105 Resp: 270975

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003465.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003465.D (-1785) (-)

250000

200000

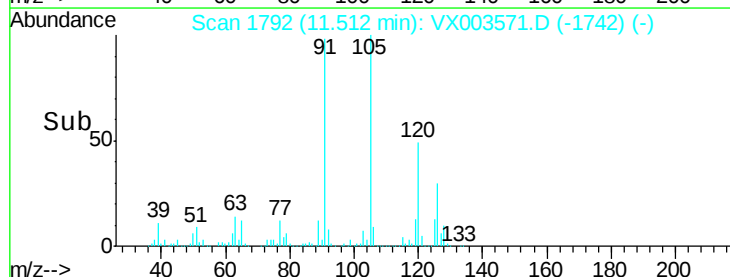
150000

100000

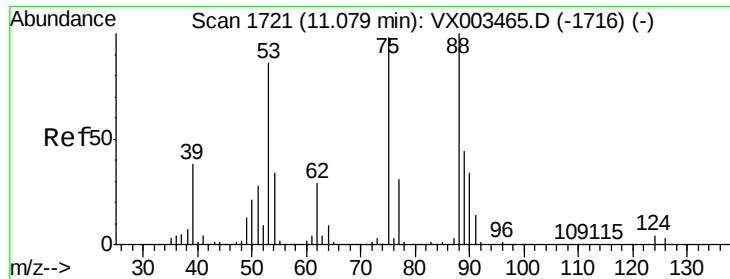
50000

0

11.50 11.60



Time-->



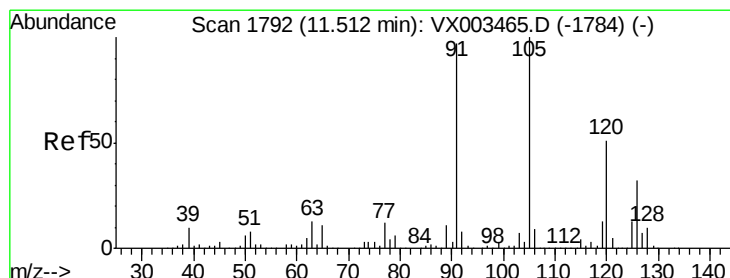
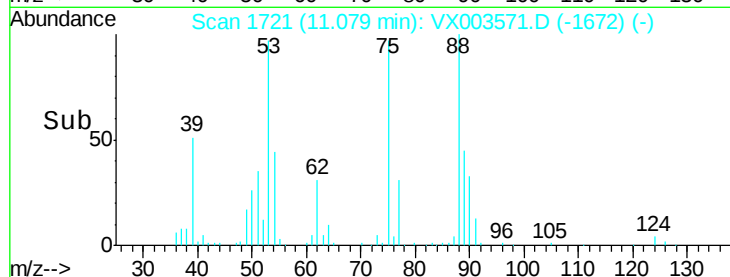
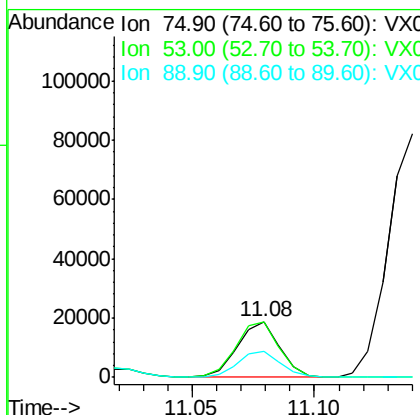
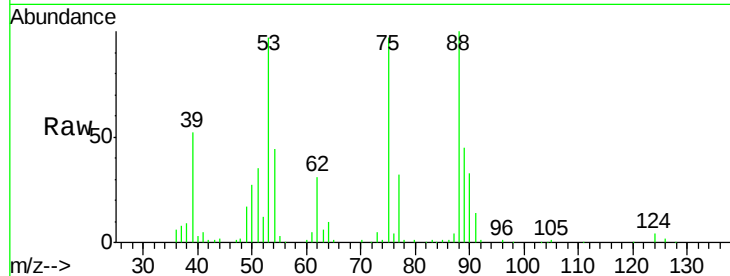
#81
trans-1,4-Dichloro-2-butene
Concen: 17.84 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.0	86.8	130.2
89	47.1	38.2	57.2

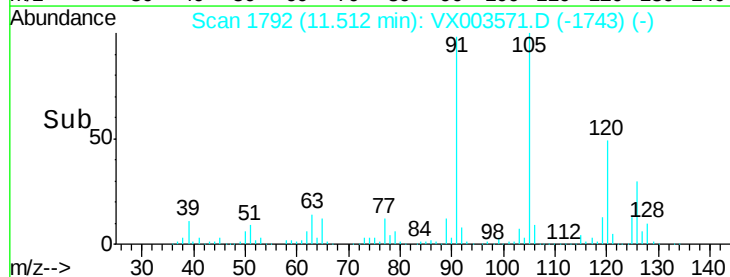
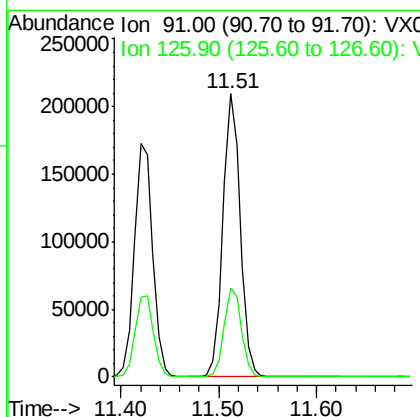
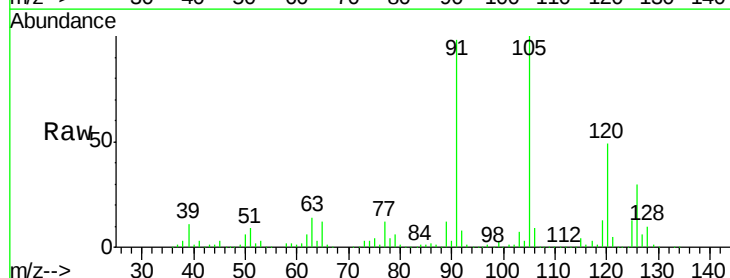
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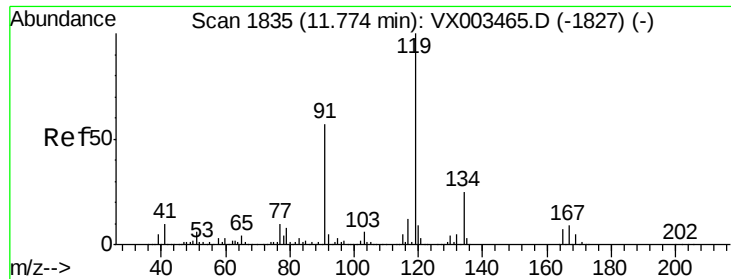
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#82
4-Chlorotoluene
Concen: 21.47 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.4	46.4





#83

tert-Butylbenzene

Concen: 20.91 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

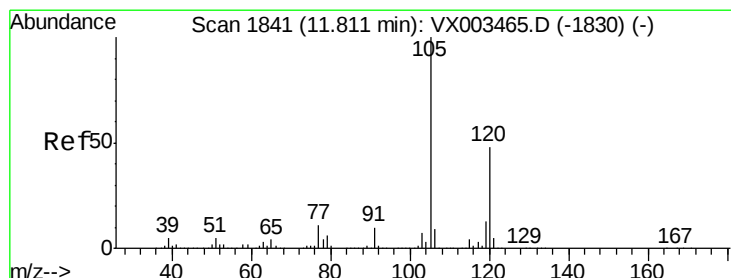
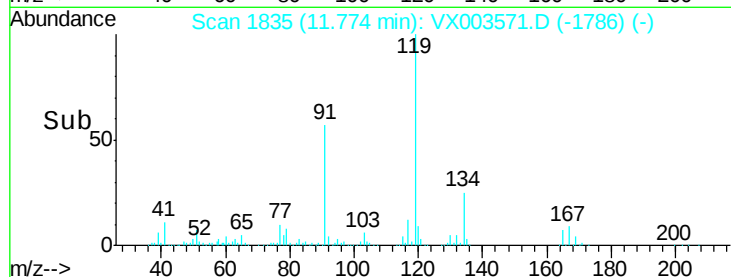
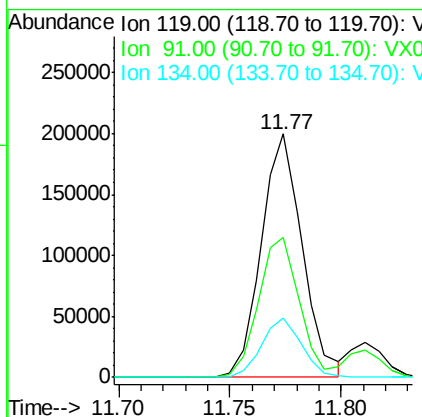
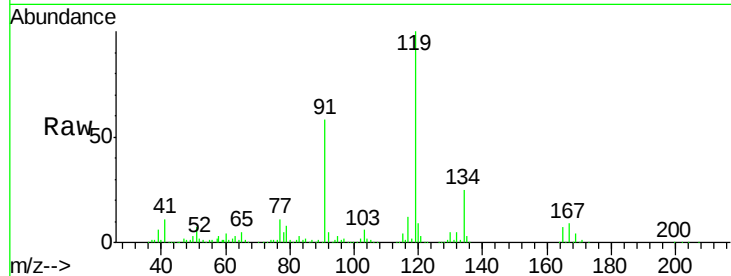
ClientSampleId :

VX0721WBS02

Tot Ion:	119	Resp:	255294
Ion Ratio	Lower	Upper	
119	100		
91	56.8	30.3	90.9
134	23.8	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 21.93 ug/l

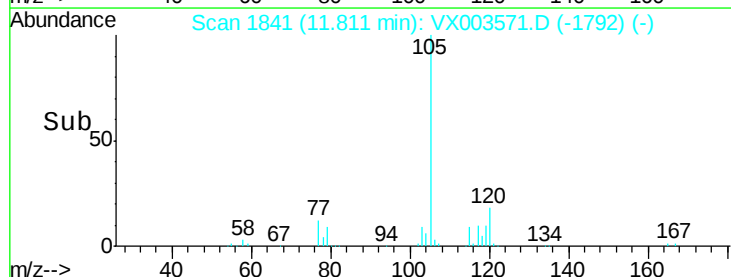
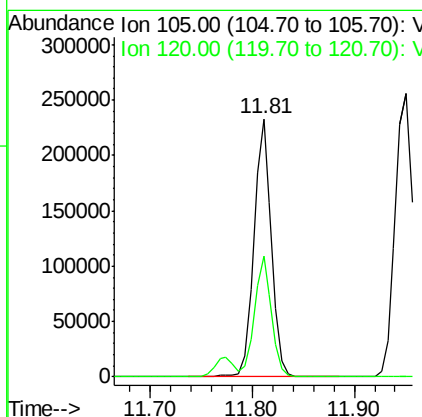
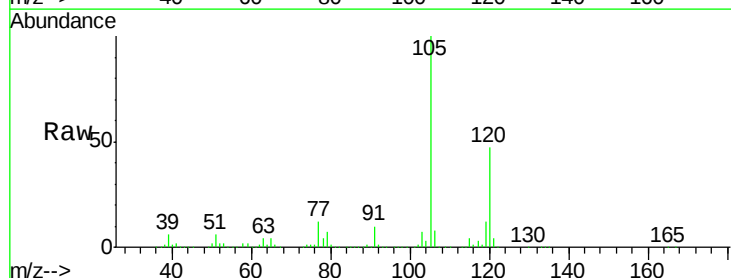
RT: 11.81 min Scan# 1841

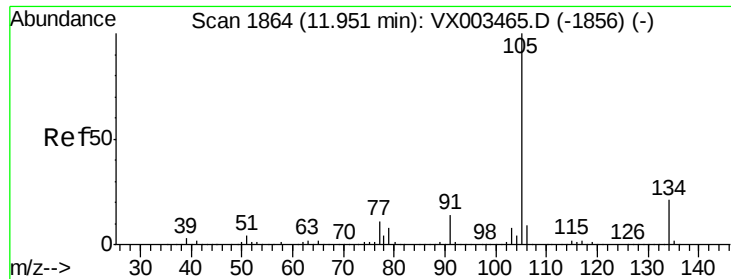
Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Tgt Ion:	105	Resp:	278257
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.3	66.8





#85

sec-Butylbenzene

Concen: 21.27 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampled :

VX0721WBS02

Tot Ion:105 Resp: 315445

Ion Ratio Lower Upper

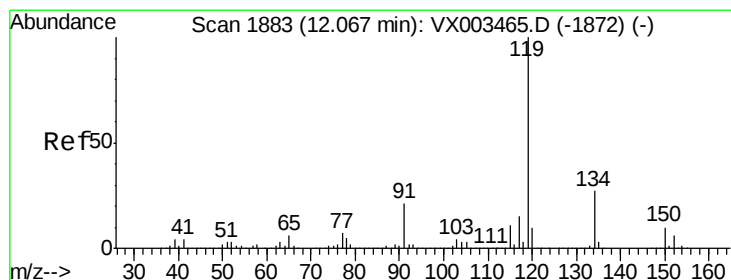
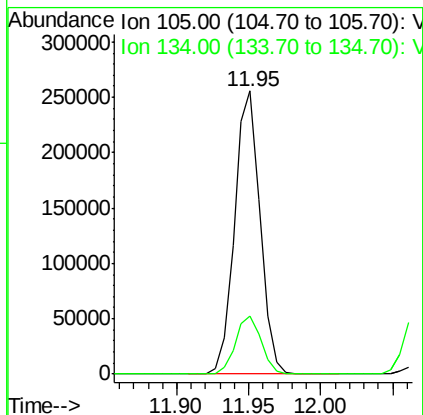
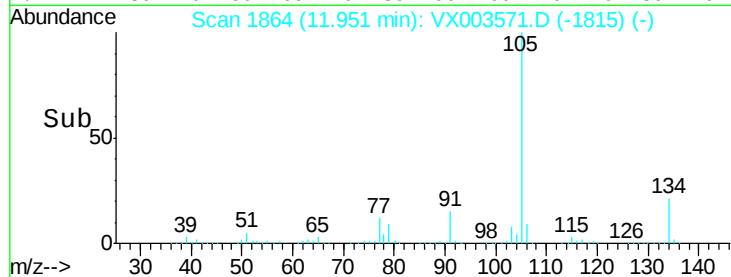
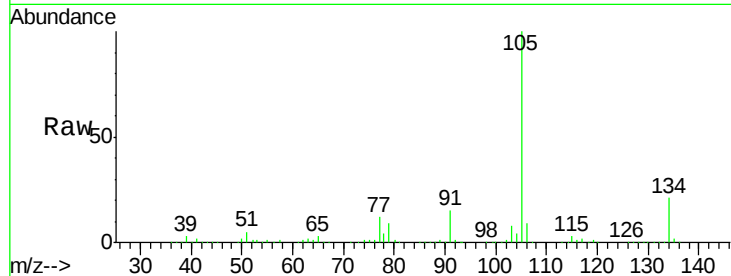
105 100

134 20.6 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 21.29 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

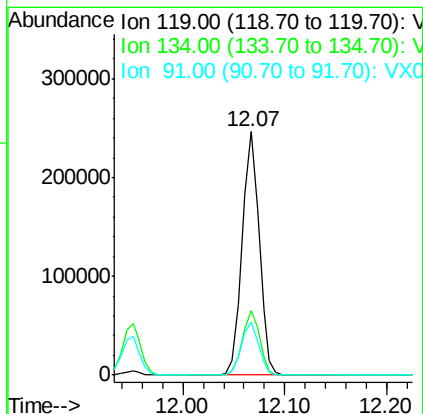
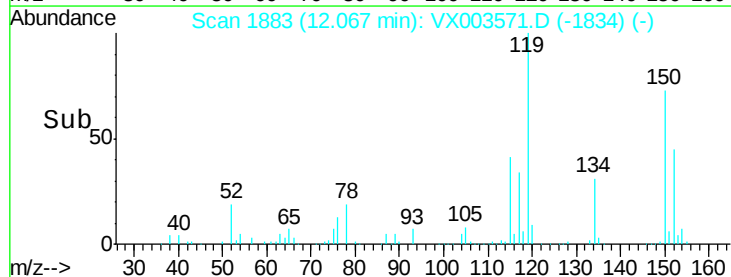
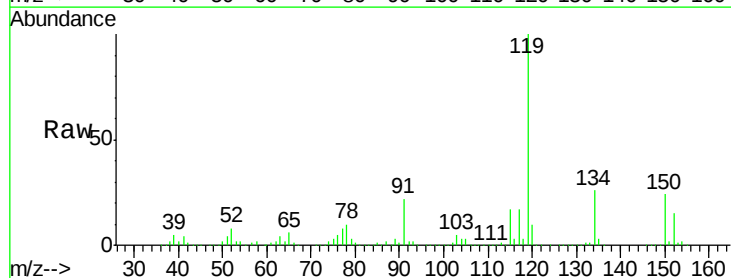
Tgt Ion:119 Resp: 283378

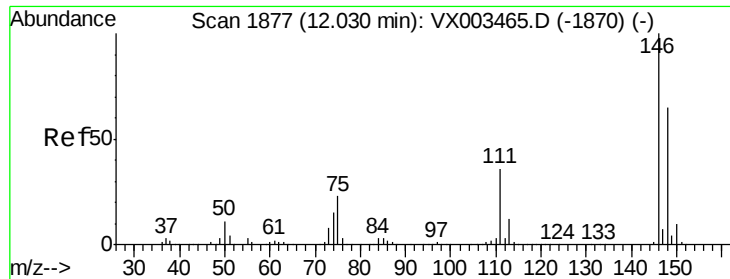
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.1 11.9 35.7





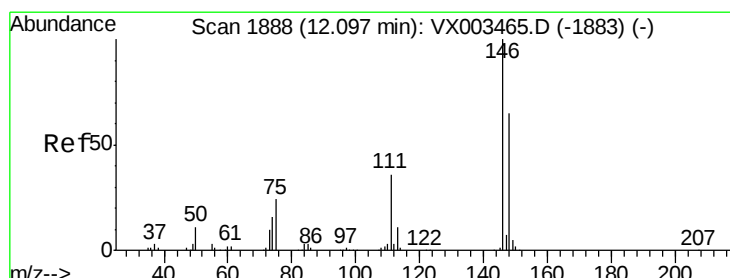
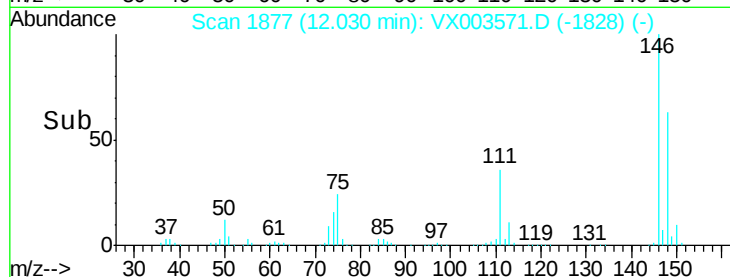
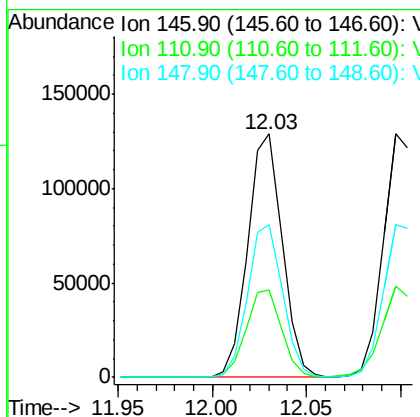
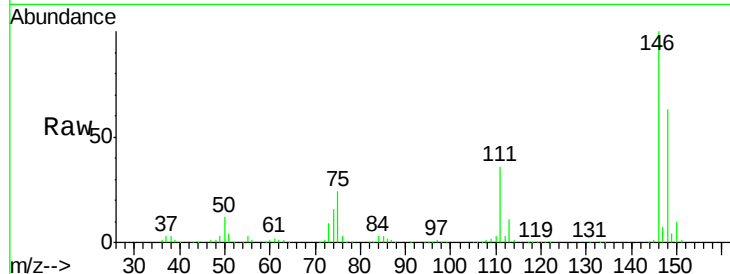
#87
 1,3-Dichlorobenzene
 Concen: 20.44 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	63.8	32.1	96.3

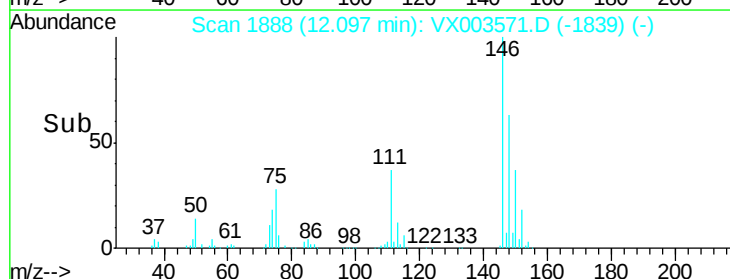
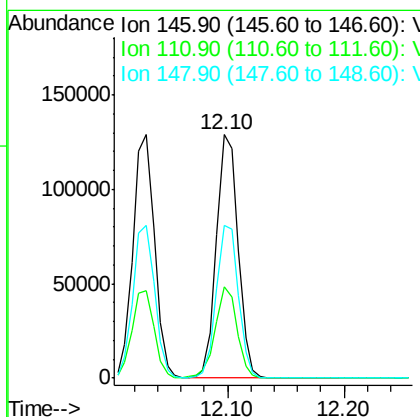
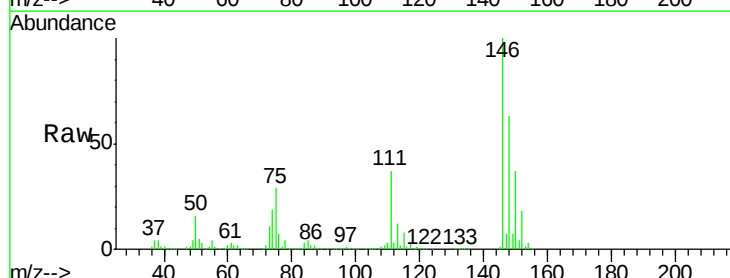
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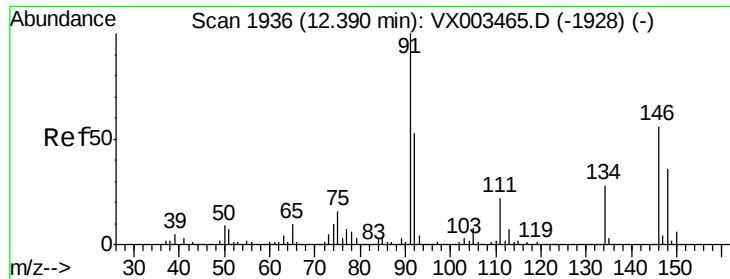
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#88
 1,4-Dichlorobenzene
 Concen: 19.96 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.1	32.4	97.0





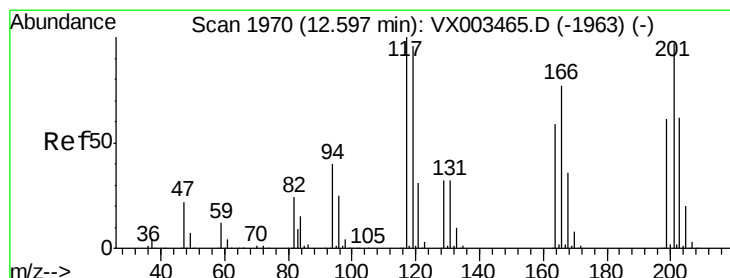
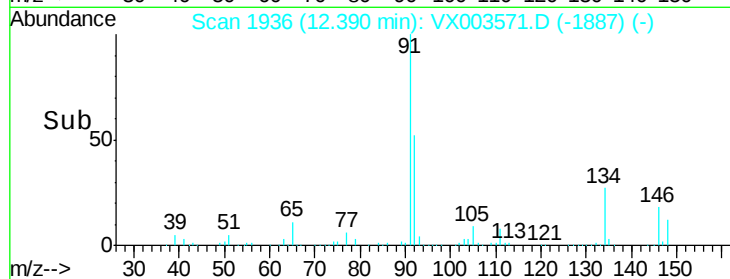
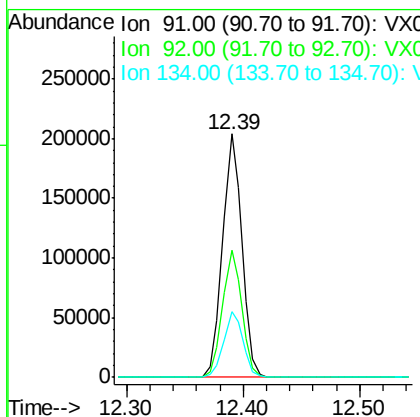
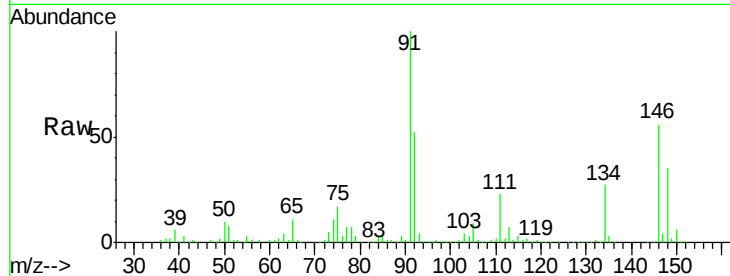
#89
n-Butylbenzene
Concen: 20.70 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	27.0	13.5	40.5

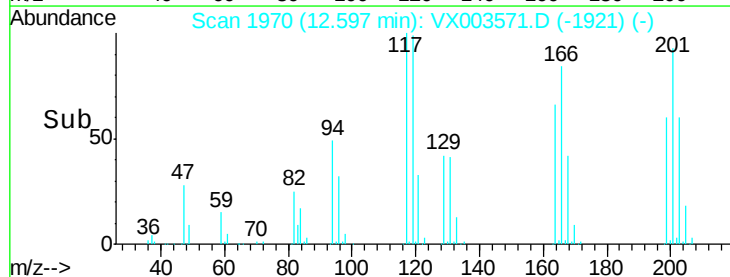
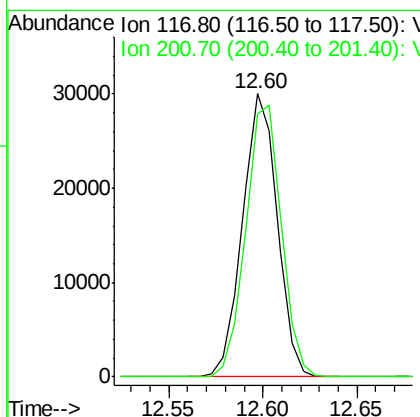
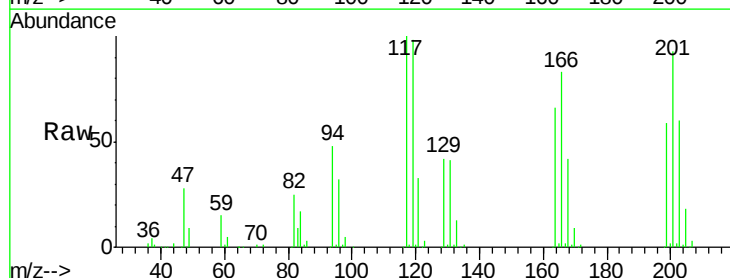
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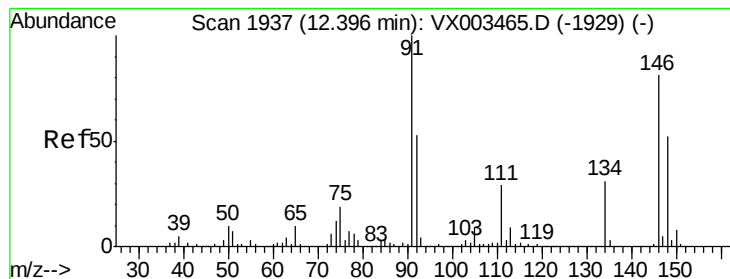
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#90
Hexachloroethane
Concen: 20.21 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.9	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 20.57 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS02

Tot Ion:146 Resp: 162630

Ion Ratio Lower Upper

146 100

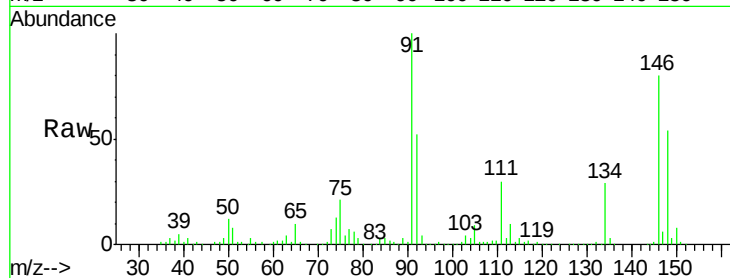
111 39.0 19.4 58.1

148 65.0 31.7 95.1

Manual Integrations
APPROVED

MMDadoda

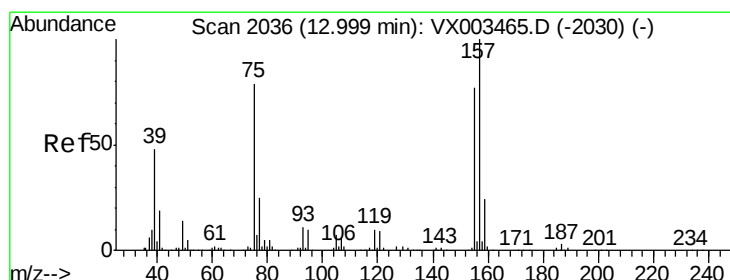
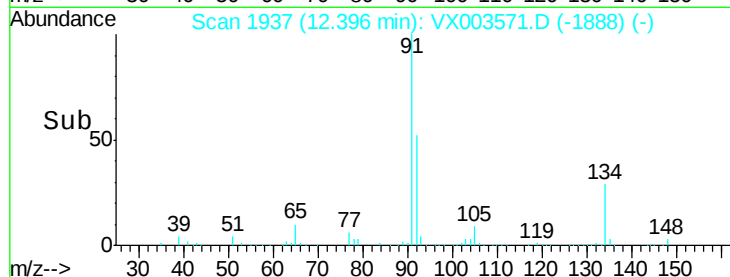
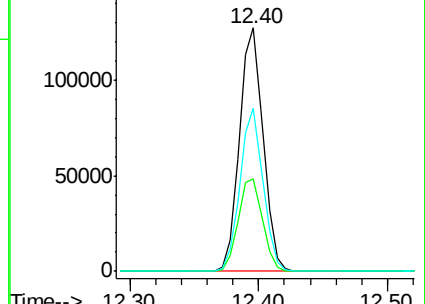
7/23/2018 3:19:51 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.24 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VX003571.D

Acq: 21 Jul 2018 23:17

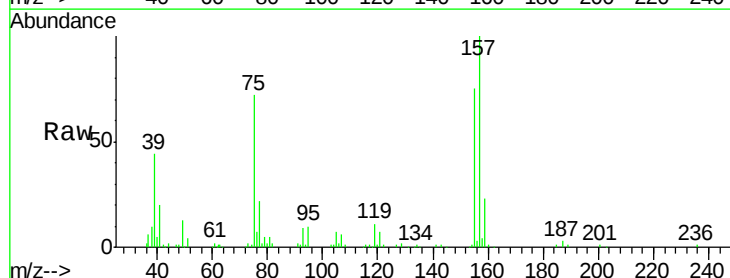
Tgt Ion: 75 Resp: 18372

Ion Ratio Lower Upper

75 100

155 101.3 45.8 137.4

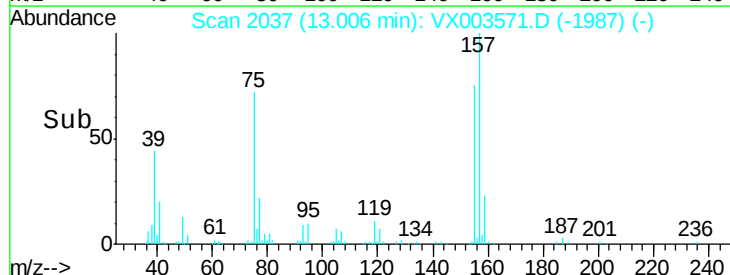
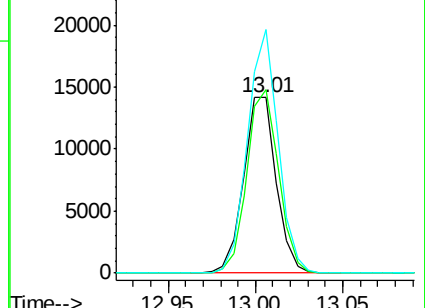
157 129.9 60.1 180.3

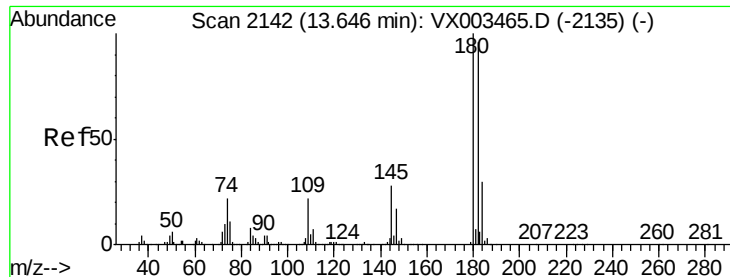


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





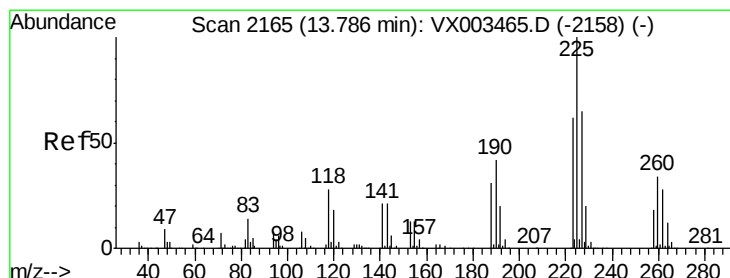
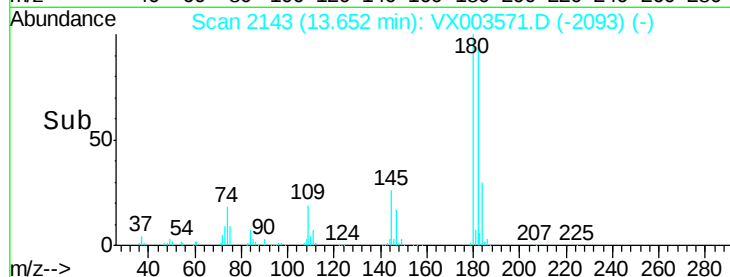
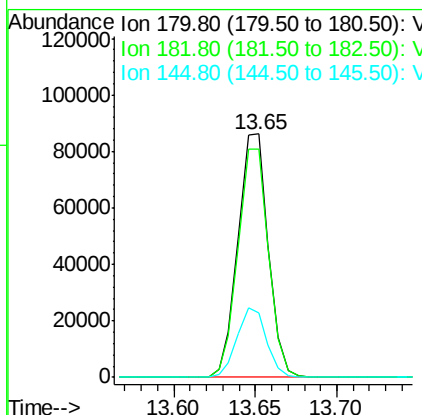
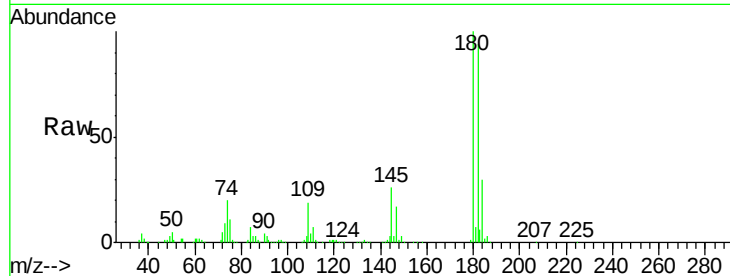
#93
 1,2,4-Trichlorobenzene
 Concen: 19.26 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111602		
182	94.8	47.7	143.1	
145	27.6	14.1	42.4	

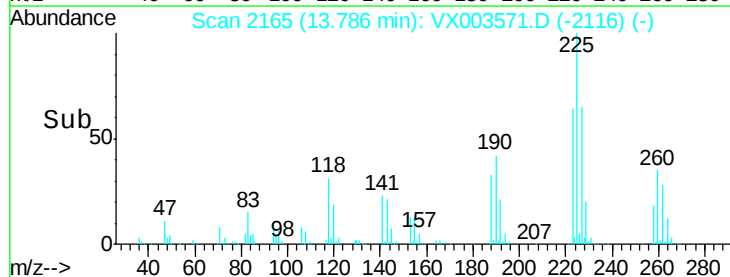
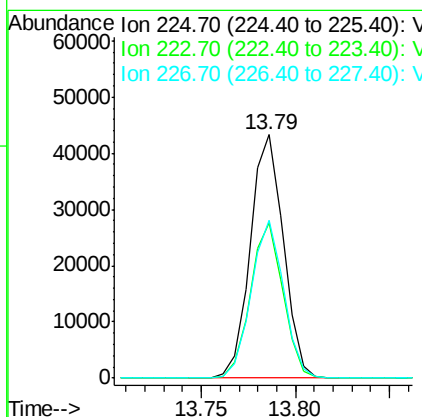
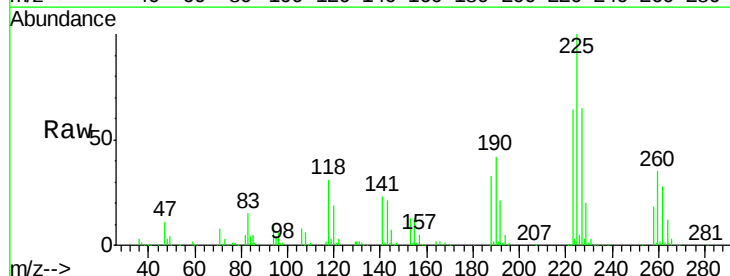
Manual Integrations
 APPROVED

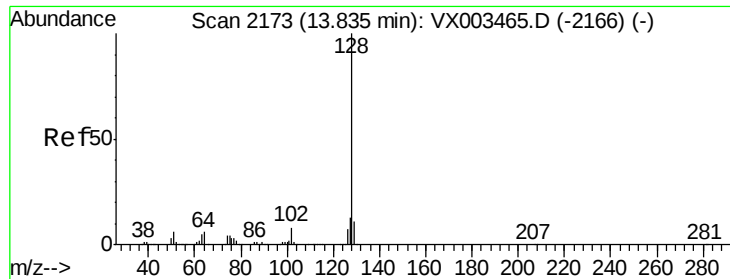
MMDadoda
 7/23/2018 3:19:51 PM



#94
 Hexachlorobutadiene
 Concen: 18.89 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003571.D
 Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52627		
223	62.6	31.6	95.0	
227	63.5	32.4	97.2	





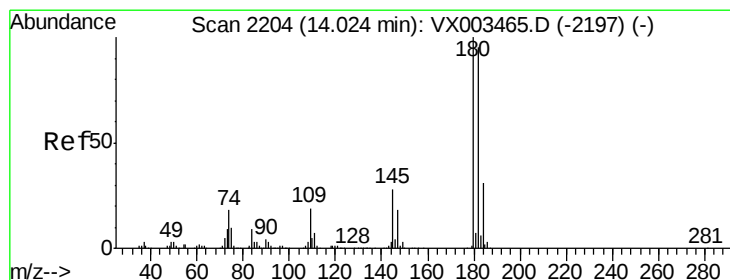
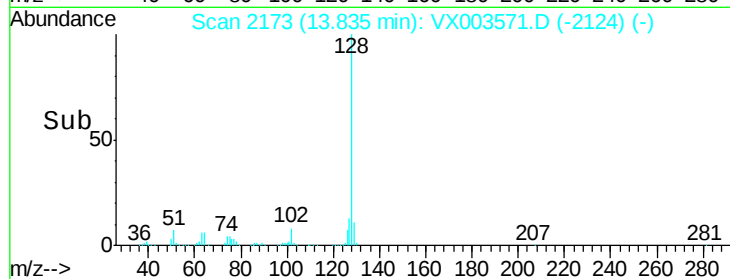
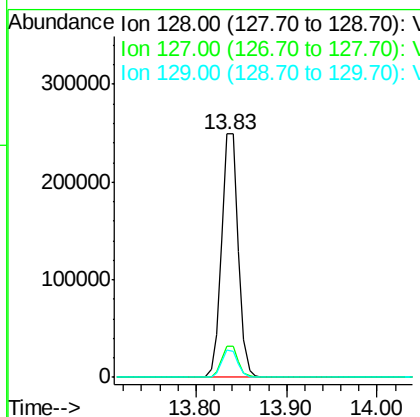
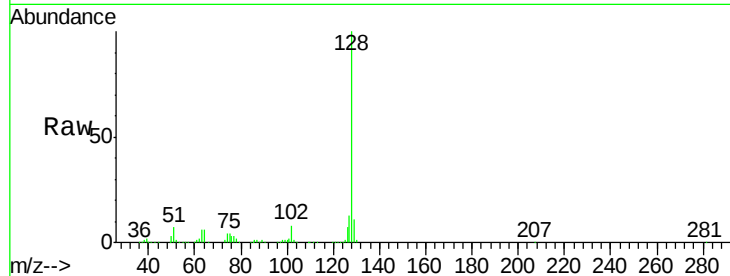
#95
Naphthalene
Concen: 20.92 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/23/2018 3:19:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.00 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003571.D
Acq: 21 Jul 2018 23:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.0
145	29.2	14.8	44.3

