

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002041.D
 Acq On : 27 May 2018 02:05
 Operator : JC/MD
 Sample : VX0526WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:12 PM

Quant Time: May 28 04:15:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	371680	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	221346	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	214296	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	5.51	113	163436	43.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.94%	
50) Toluene-d8	8.72	98	611980	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	
62) 4-Bromofluorobenzene	11.14	95	229856	43.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	65115	18.69	ug/l	98
3) Chloromethane	1.32	50	78725	19.63	ug/l	99
4) Vinyl Chloride	1.40	62	79327	20.49	ug/l	100
5) Bromomethane	1.64	94	49705	27.46	ug/l	96
6) Chloroethane	1.73	64	50565	22.16	ug/l	100
7) Trichlorofluoromethane	1.93	101	127273	21.89	ug/l	97
8) Diethyl Ether	2.19	74	48076	22.79	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69959	21.56	ug/l	97
10) Methyl Iodide	2.51	142	82091	18.70	ug/l	97
11) Tert butyl alcohol	3.08	59	113809	124.47	ug/l	98
12) 1,1-Dichloroethene	2.37	96	65443	21.55	ug/l	94
13) Acrolein	2.30	56	30063	76.04	ug/l	99
14) Allyl chloride	2.73	41	133887	21.00	ug/l	99
15) Acrylonitrile	3.15	53	210067	111.72	ug/l	99
16) Acetone	2.45	43	202622	112.71	ug/l	98
17) Carbon Disulfide	2.57	76	169918	19.44	ug/l	99
18) Methyl Acetate	2.78	43	107994	24.35	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	254702	22.29	ug/l	99
20) Methylene Chloride	2.86	84	73836	22.81	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	68008	22.12	ug/l	99
22) Diisopropyl ether	3.88	45	256903	19.81	ug/l	99
23) Vinyl Acetate	3.83	43	1109856	103.22	ug/l	100
24) 1,1-Dichloroethane	3.70	63	131224	21.30	ug/l	99
25) 2-Butanone	4.71	43	317161	96.26	ug/l	98
26) 2,2-Dichloropropane	4.59	77	76680	12.30	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	76117	19.22	ug/l	98
28) Bromochloromethane	5.03	49	58016	21.24	ug/l	100
29) Tetrahydrofuran	5.17	42	207124	96.62	ug/l	100
30) Chloroform	5.22	83	133245	19.20	ug/l	100
31) Cyclohexane	5.58	56	117304	18.28	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	121428	18.77	ug/l	100
36) 1,1-Dichloropropene	5.81	75	94355	18.25	ug/l	98
37) Ethyl Acetate	4.87	43	125179	18.57	ug/l	99
38) Carbon Tetrachloride	5.79	117	108110	17.93	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	111298	17.52	ug/l	98
40) Benzene	6.15	78	288560	19.05	ug/l	98
41) Methacrylonitrile	5.07	41	69940	18.81	ug/l	99
42) 1,2-Dichloroethane	6.20	62	112843	18.65	ug/l	100
43) Isopropyl Acetate	6.47	43	206903	18.42	ug/l	99
44) Trichloroethene	7.22	130	81852	18.54	ug/l	93
45) 1,2-Dichloropropane	7.53	63	79112	19.23	ug/l	94
46) Dibromomethane	7.67	93	52234	19.18	ug/l	98
47) Bromodichloromethane	7.90	83	103828	17.88	ug/l	97
48) Methyl methacrylate	7.78	41	103691	18.14	ug/l	99
49) 1,4-Dioxane	7.76	88	39951	396.64	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	655367	96.81	ug/l	99
52) Toluene	8.79	92	181595	18.84	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	114230	17.08	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	107585	16.51	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	76762	19.06	ug/l	99
56) Ethyl methacrylate	9.18	69	126544	18.27	ug/l	100
57) 1,3-Dichloropropane	9.38	76	126807	19.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	295481	96.25	ug/l	99
59) 2-Hexanone	9.50	43	500765	95.93	ug/l	100
60) Dibromochloromethane	9.59	129	83432	17.49	ug/l	99
61) 1,2-Dibromoethane	9.68	107	78532	18.59	ug/l	97
64) Tetrachloroethene	9.34	164	92840	18.96	ug/l	99
65) Chlorobenzene	10.14	112	204599	18.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	80608	18.45	ug/l	99
67) Ethyl Benzene	10.26	91	355919	18.94	ug/l	99
68) m/p-Xylenes	10.37	106	273319	38.04	ug/l	98
69) o-Xylene	10.70	106	135279	18.86	ug/l	99
70) Styrene	10.72	104	221047	18.58	ug/l	99
71) Bromoform	10.86	173	67798	16.37	ug/l #	99
73) Isopropylbenzene	11.02	105	362667	19.35	ug/l	100
74) N-amyl acetate	6.47	43	206903	19.34	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	109742	20.66	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	113067m	21.27	ug/l	
77) Bromobenzene	11.26	156	96497	19.40	ug/l	97
78) n-propylbenzene	11.37	91	396178	18.87	ug/l	100
79) 2-Chlorotoluene	11.43	91	243080	19.71	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	301781	18.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	32195	14.55	ug/l	94
82) 4-Chlorotoluene	11.52	91	278852	18.83	ug/l	100
83) tert-Butylbenzene	11.77	119	298147	18.97	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	314486	19.00	ug/l	99
85) sec-Butylbenzene	11.95	105	358694	18.98	ug/l	100
86) p-Isopropyltoluene	12.07	119	313726	18.55	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	167522	18.81	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	166082	18.65	ug/l	98
89) n-Butylbenzene	12.39	91	256056	17.87	ug/l	99
90) Hexachloroethane	12.60	117	57012	17.09	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	175677	19.36	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	28700	17.22	ug/l	99

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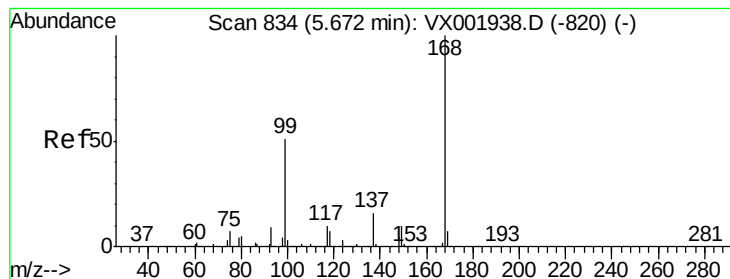
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	118666	18.29	ug/l	99
94) Hexachlorobutadiene	13.79	225	63372	18.16	ug/l	100
95) Naphthalene	13.84	128	380898	19.05	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126031	18.77	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. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion:168 Resp: 260595

Ion Ratio Lower Upper

168 100

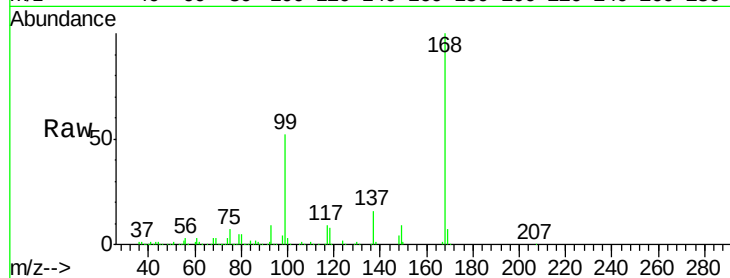
99 52.0 41.0 61.4

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

100000

80000

60000

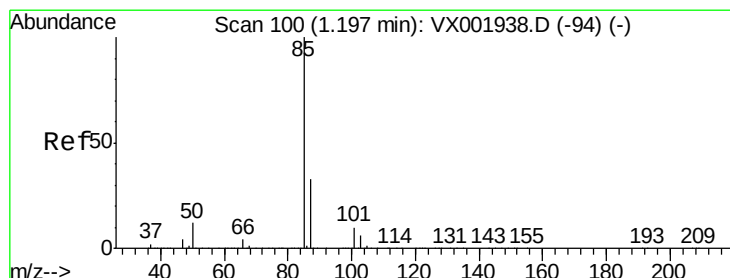
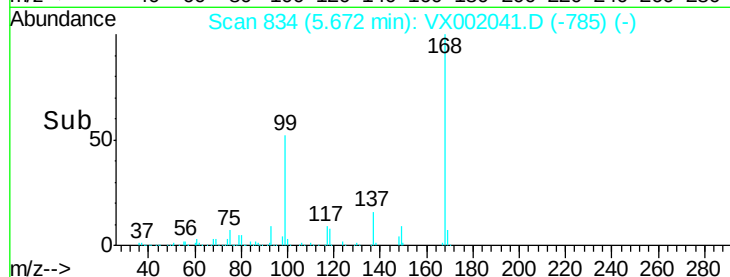
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.69 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002041.D

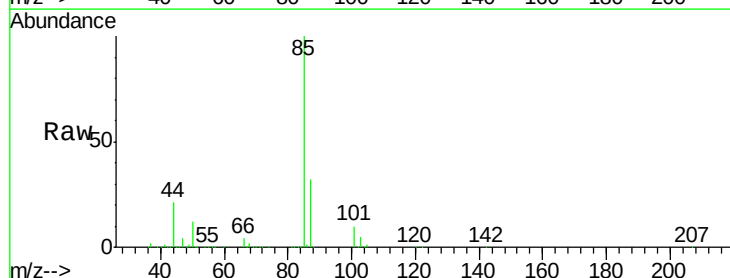
Acq: 27 May 2018 02:05

Tgt Ion: 85 Resp: 65115

Ion Ratio Lower Upper

85 100

87 32.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

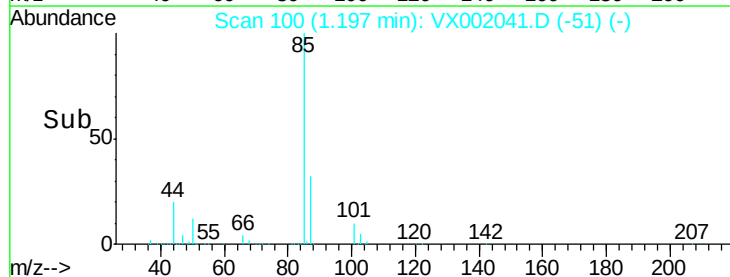
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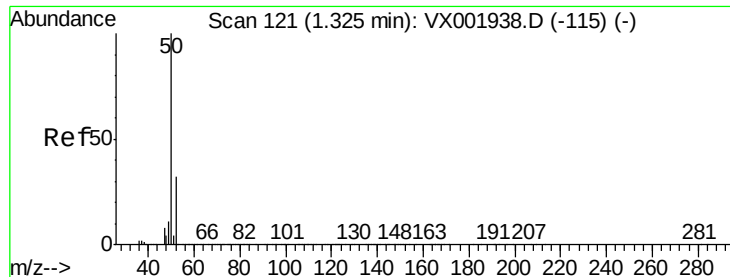
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.63 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion: 50 Resp: 78725

Ion Ratio Lower Upper

50 100

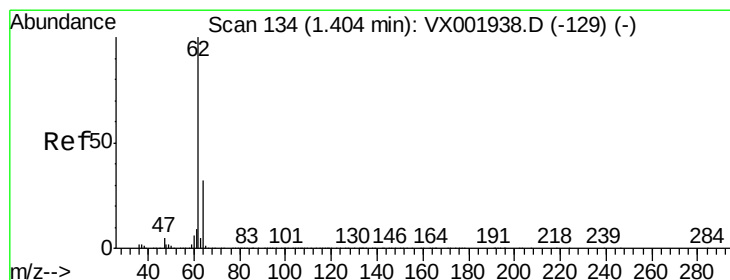
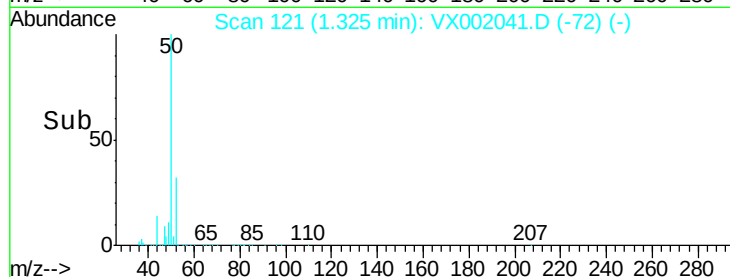
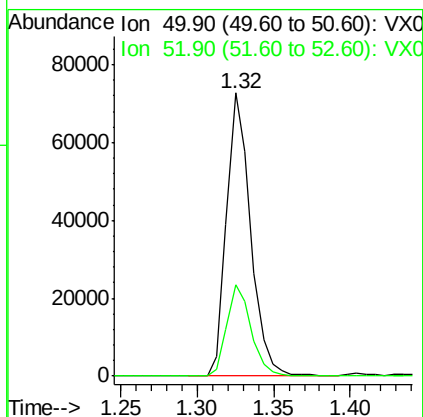
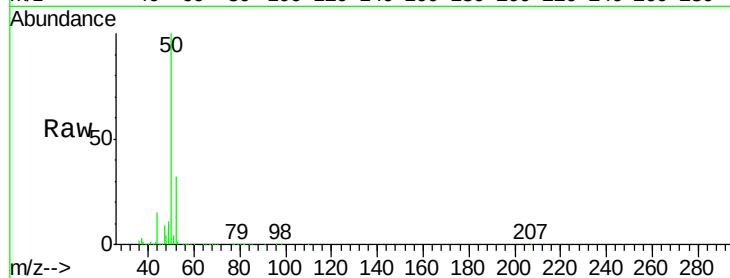
52 32.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.49 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002041.D

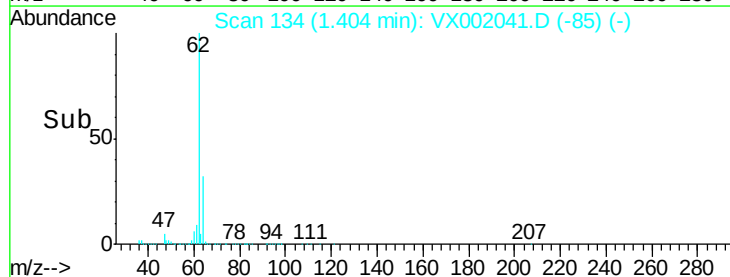
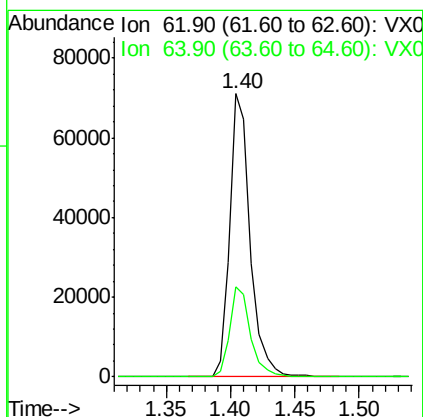
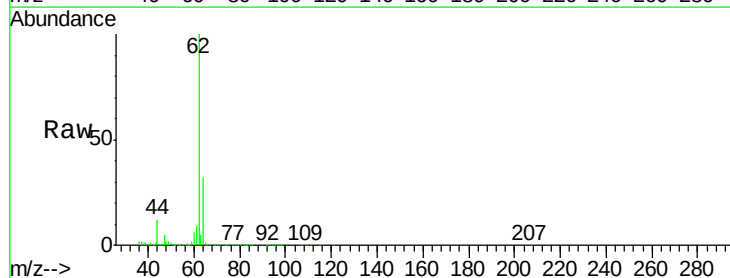
Acq: 27 May 2018 02:05

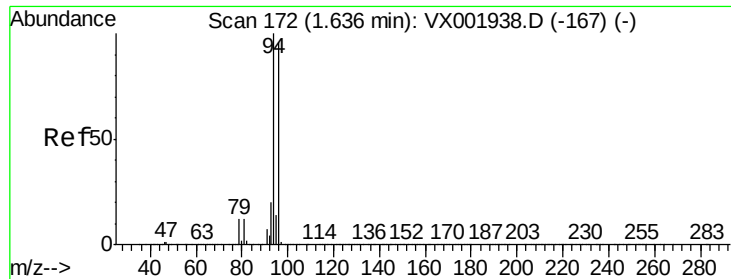
Tgt Ion: 62 Resp: 79327

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 27.46 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion: 94 Resp: 49705

Ion Ratio Lower Upper

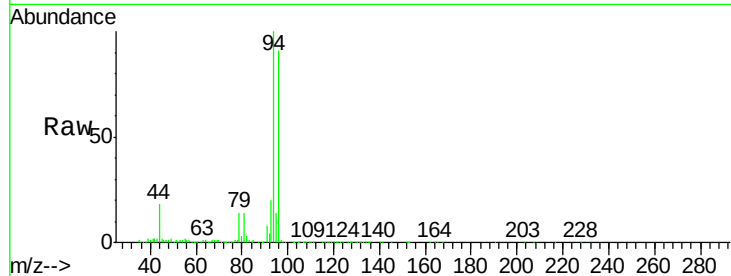
94 100

96 91.1 75.9 113.9

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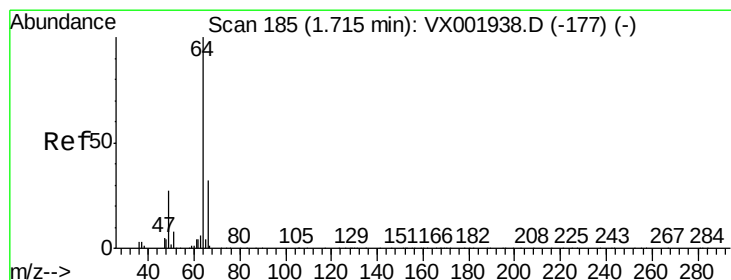
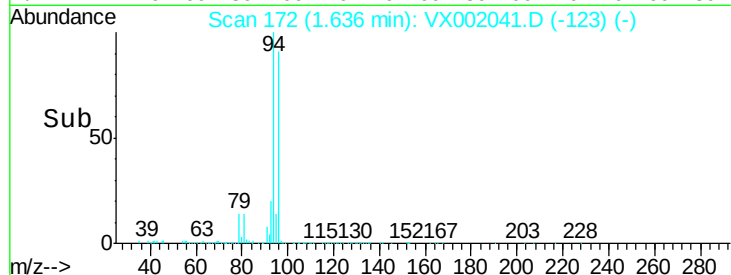
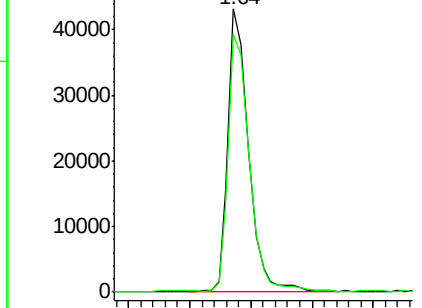
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.16 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002041.D

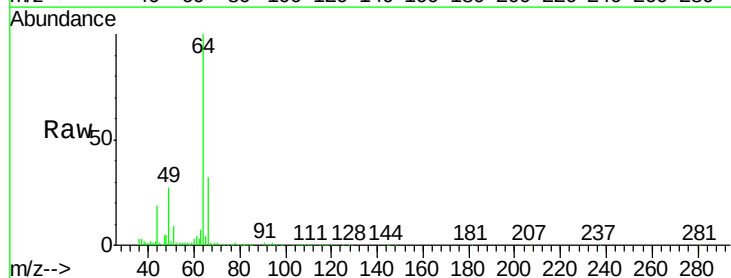
Acq: 27 May 2018 02:05

Tgt Ion: 64 Resp: 50565

Ion Ratio Lower Upper

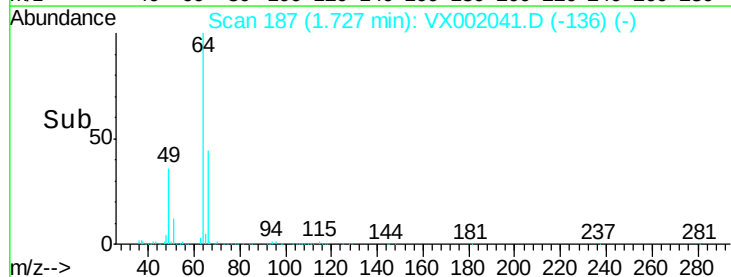
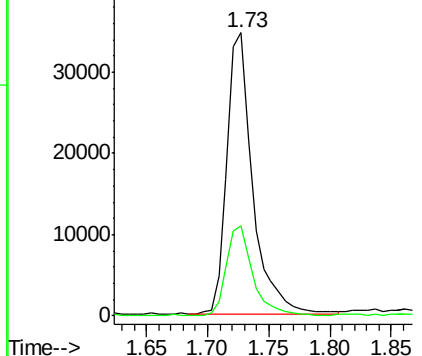
64 100

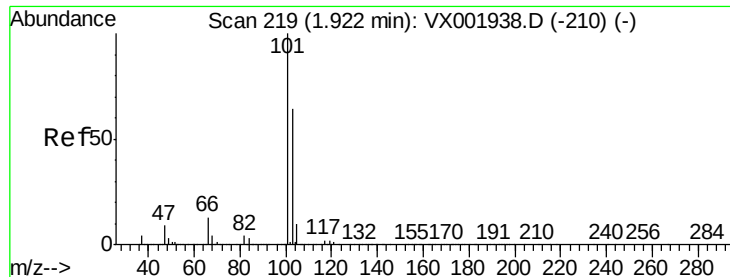
66 31.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

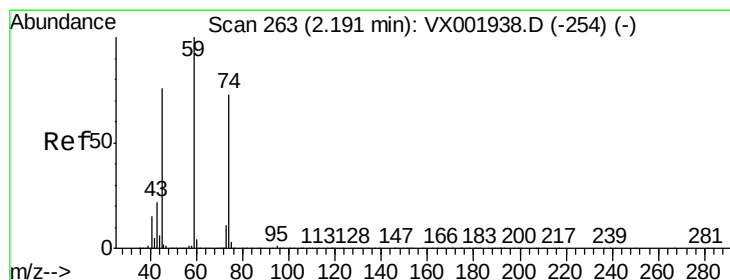
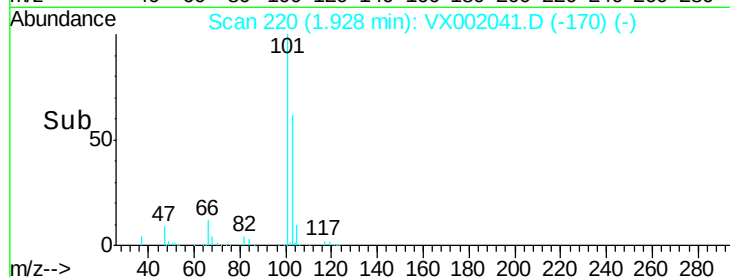
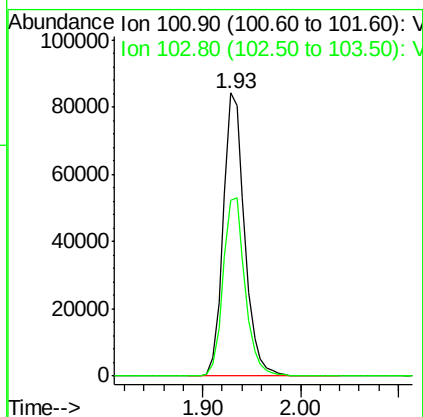
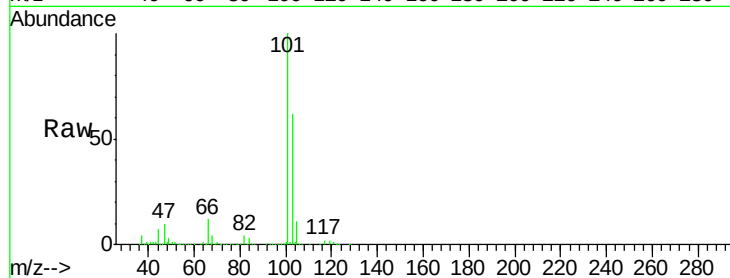
Trichlorofluoromethane
Concen: 21.89 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

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VX0526WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		127273		
103	62.1	51.4	77.0		

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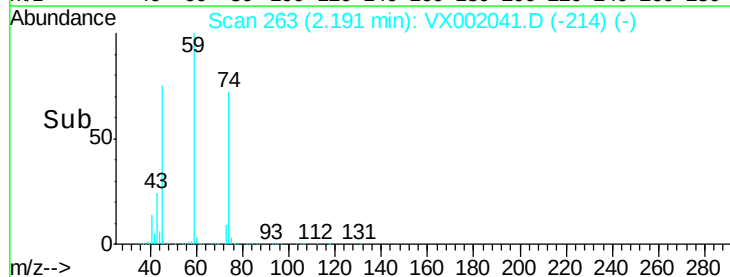
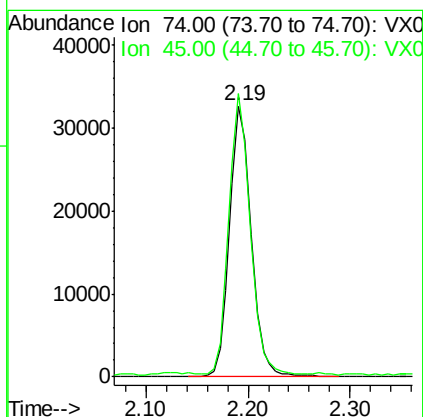
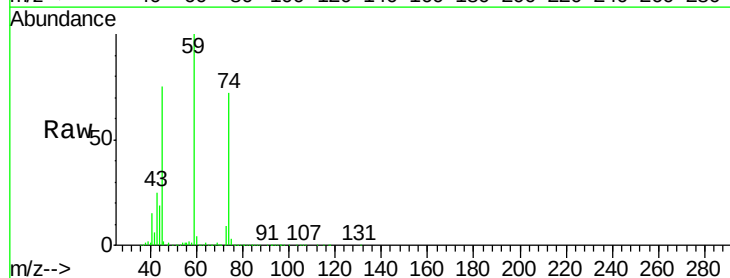
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5/30/2018 1:50:12 PM

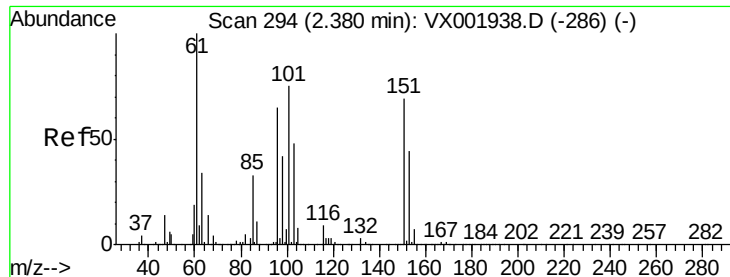


#8

Diethyl Ether
Concen: 22.79 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		48076		
45	101.1	51.5	154.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.56 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

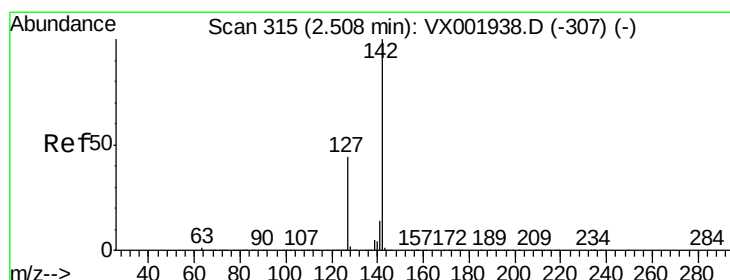
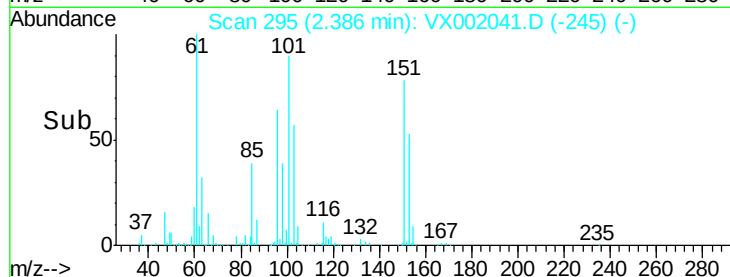
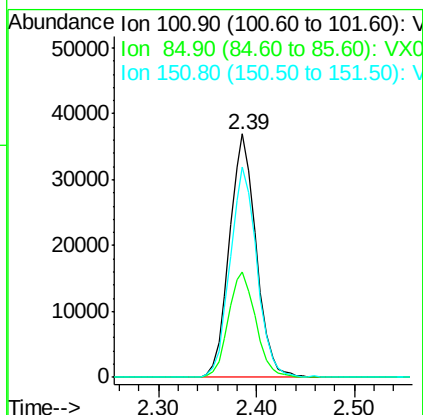
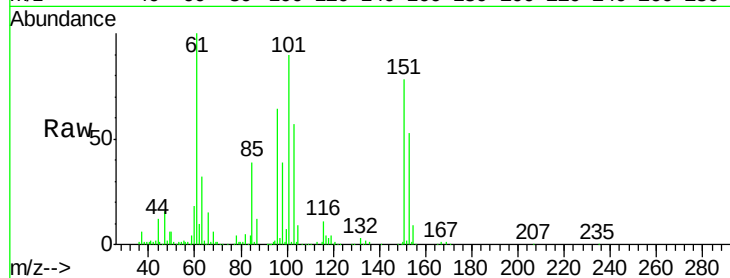
ClientSampleId :

VX0526WBS02

Tot Ion:	101	Resp:	69959
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.6	53.4
151	87.1	73.2	109.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.70 ug/l

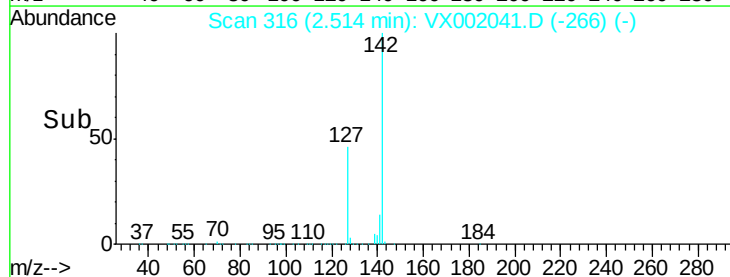
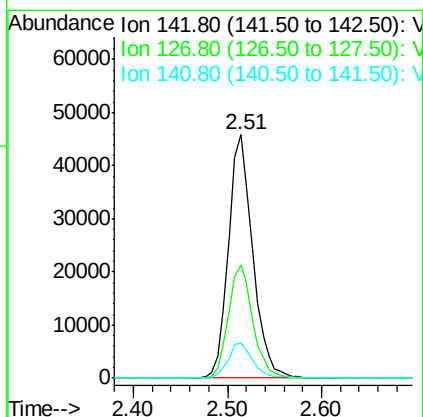
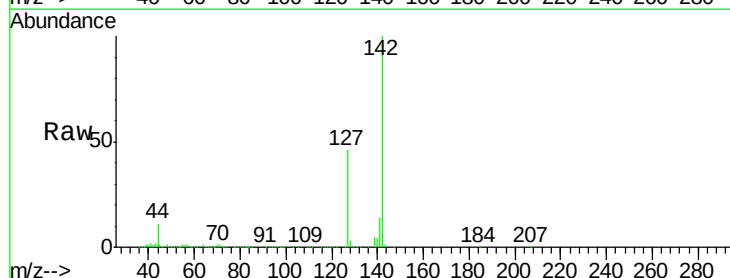
RT: 2.51 min Scan# 316

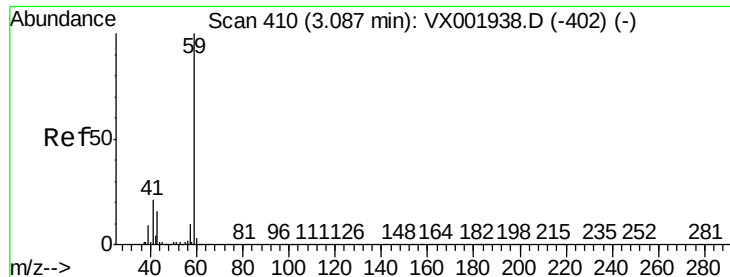
Delta R.T. 0.01 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Tgt Ion:	142	Resp:	82091
Ion Ratio	Lower	Upper	
142	100		
127	46.6	35.5	53.3
141	14.8	11.3	16.9





#11

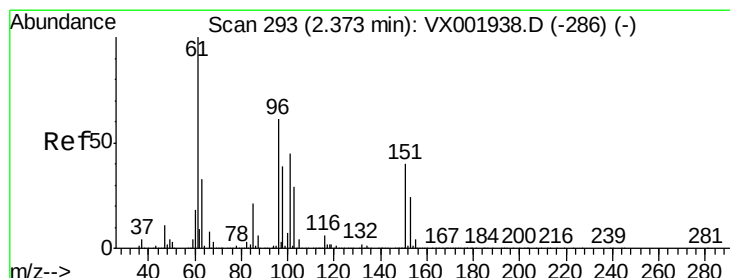
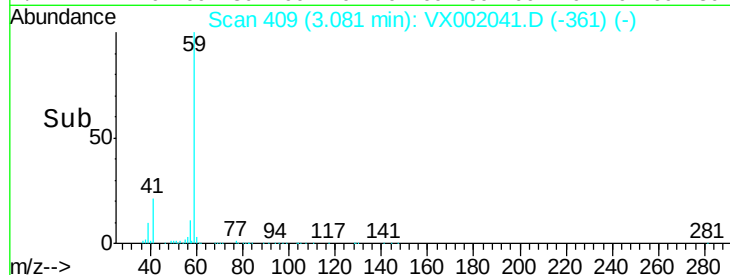
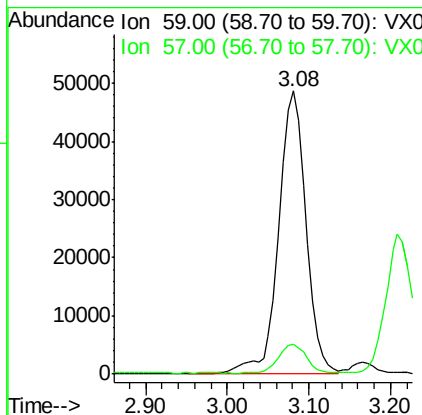
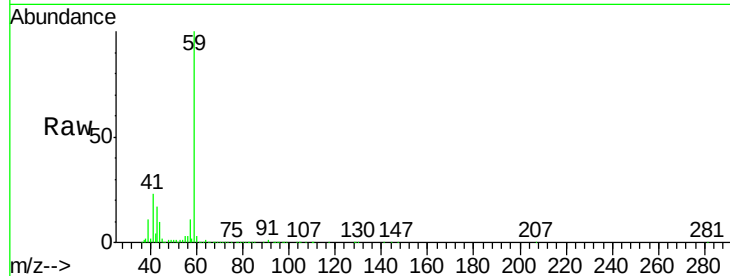
Tert butyl alcohol
Concen: 124.47 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.9	13.3

Manual Integrations
APPROVED

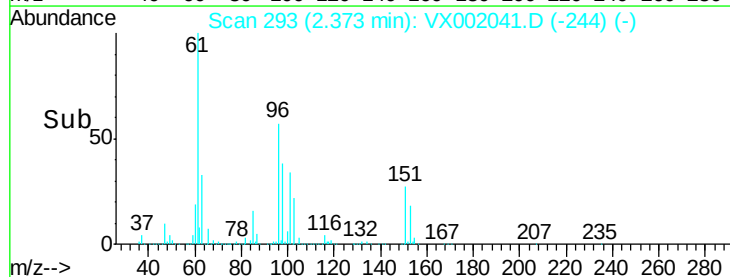
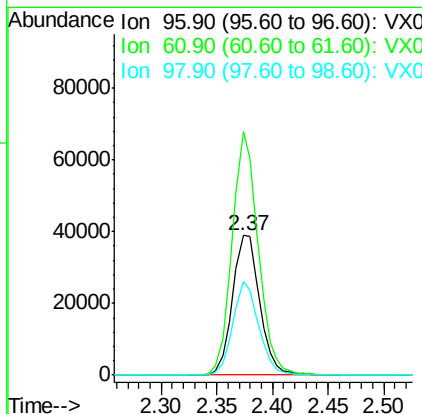
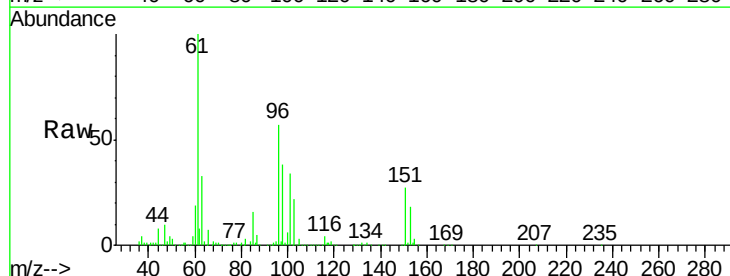
MMDadoda
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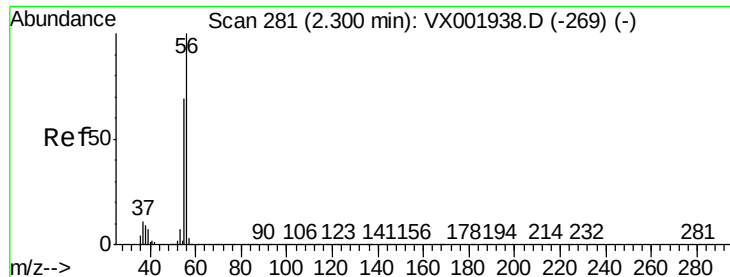


#12

1,1-Dichloroethene
Concen: 21.55 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.8	131.7	197.5
98	66.9	51.6	77.4





#13

Acrolein

Concen: 76.04 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion: 56 Resp: 30063

Ion Ratio Lower Upper

56 100

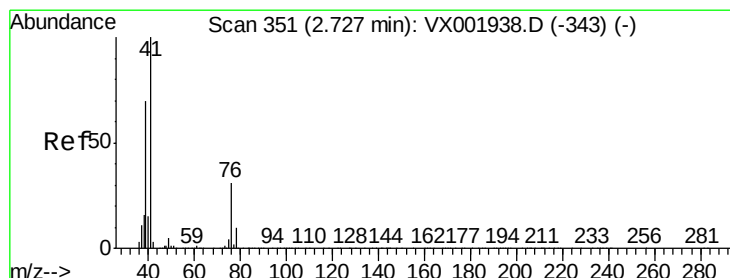
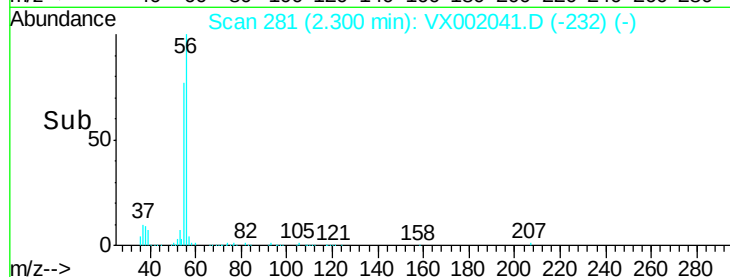
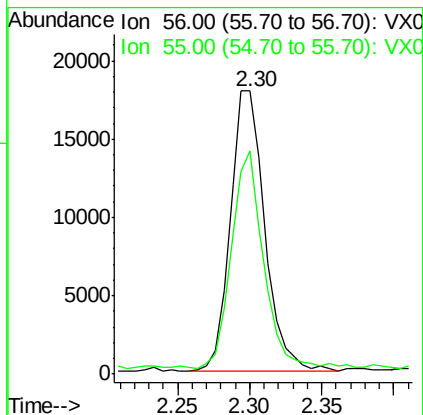
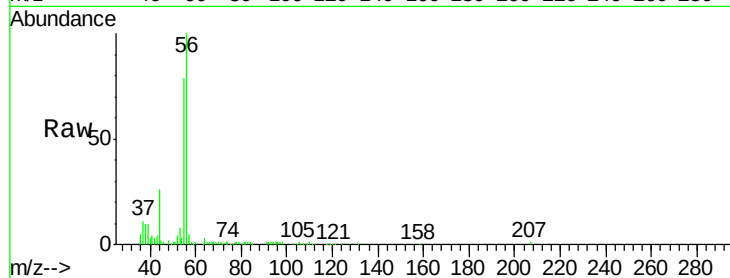
55 71.9 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 21.00 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

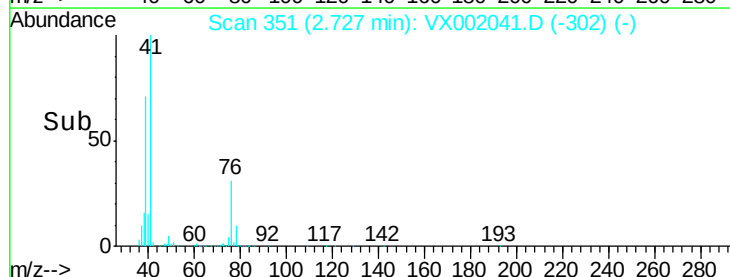
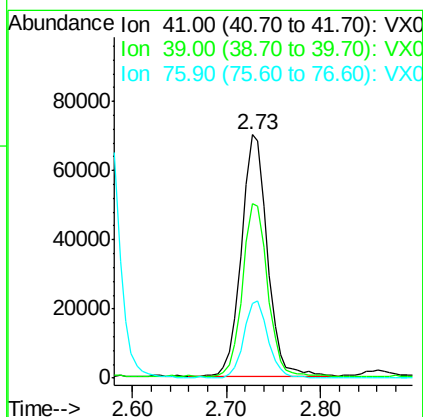
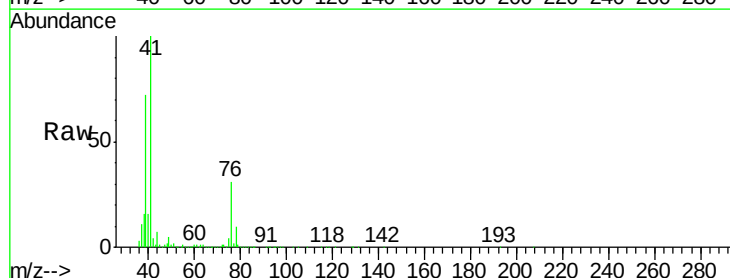
Tgt Ion: 41 Resp: 133887

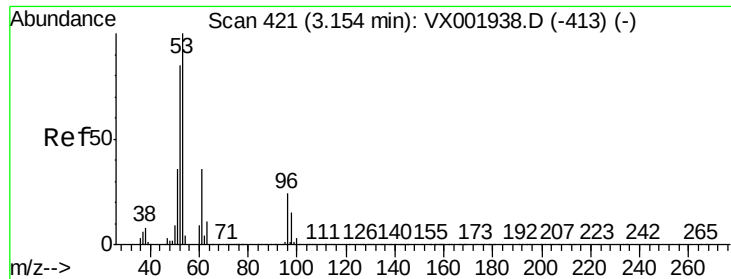
Ion Ratio Lower Upper

41 100

39 68.7 54.3 81.5

76 29.7 24.2 36.4





#15

Acrylonitrile

Concen: 111.72 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

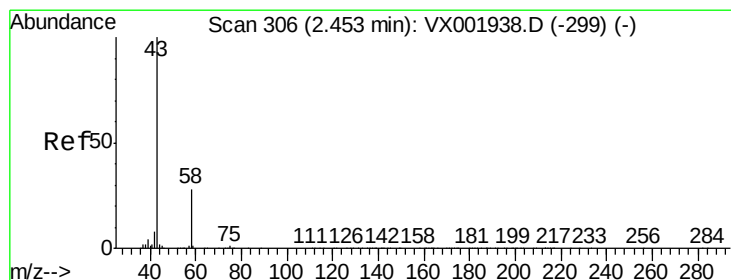
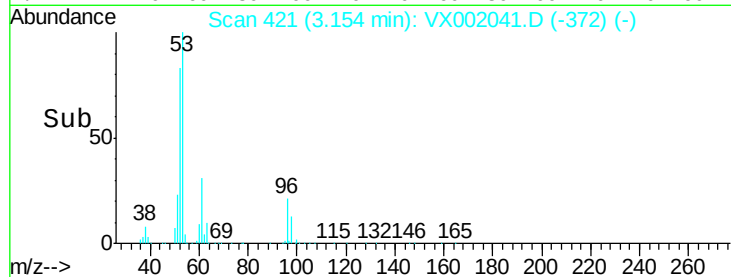
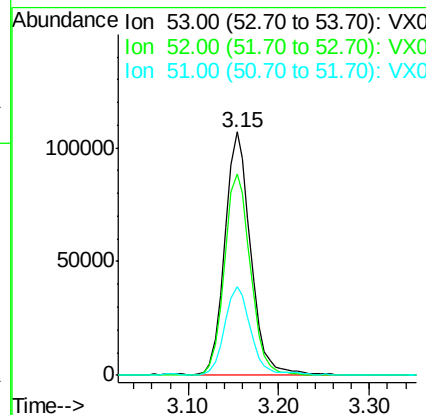
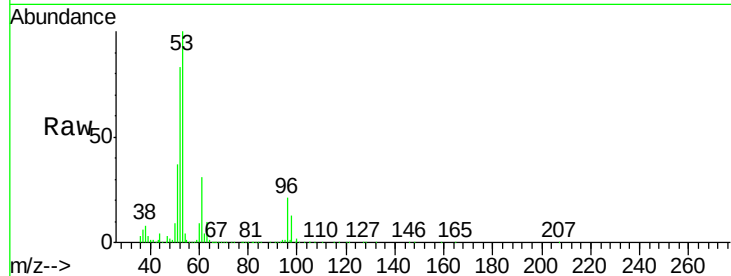
ClientSampleId :

VX0526WBS02

Tot Ion:	53	Resp:	210067
Ion Ratio		Lower	Upper
53	100		
52	84.0	66.4	99.6
51	36.7	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 112.71 ug/l

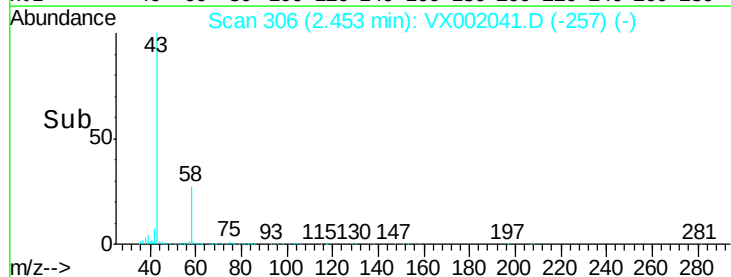
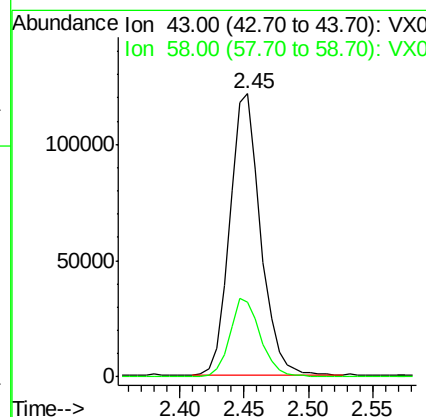
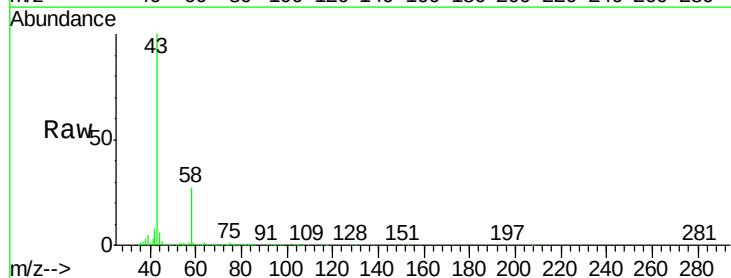
RT: 2.45 min Scan# 306

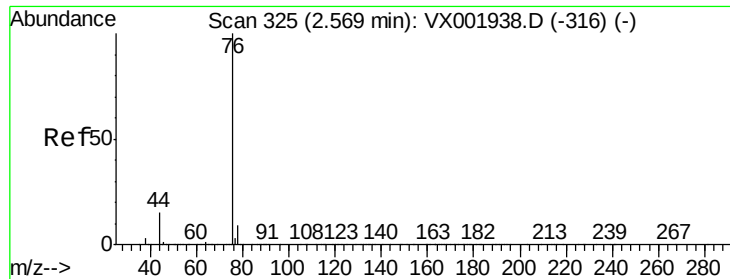
Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Tgt Ion:	43	Resp:	202622
Ion Ratio		Lower	Upper
43	100		
58	26.7	22.3	33.5





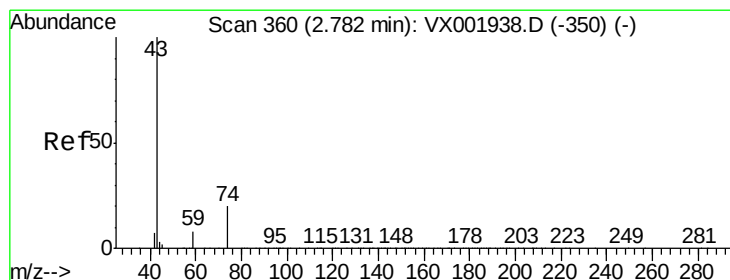
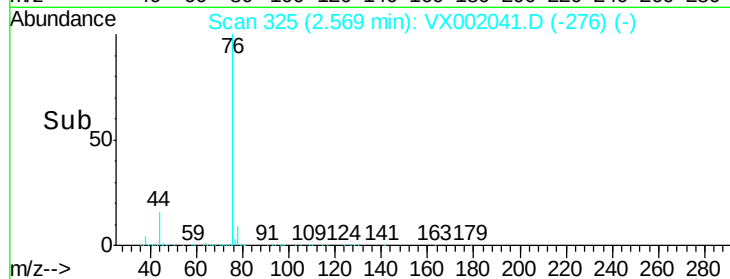
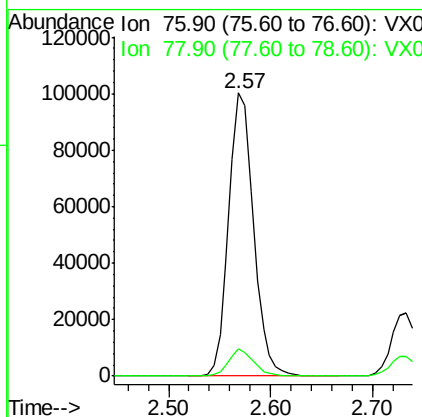
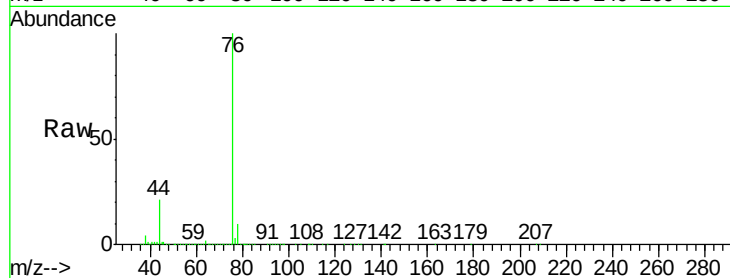
#17
Carbon Disulfide
Concen: 19.44 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

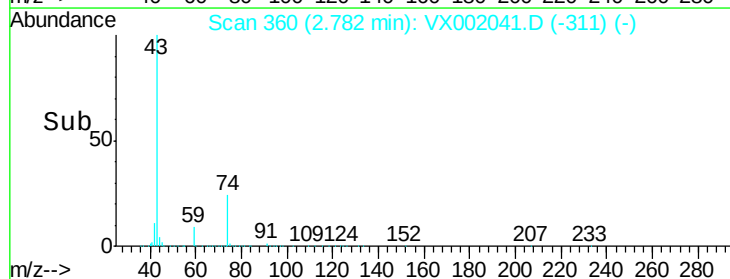
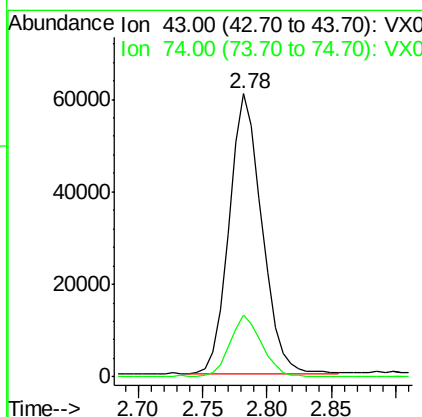
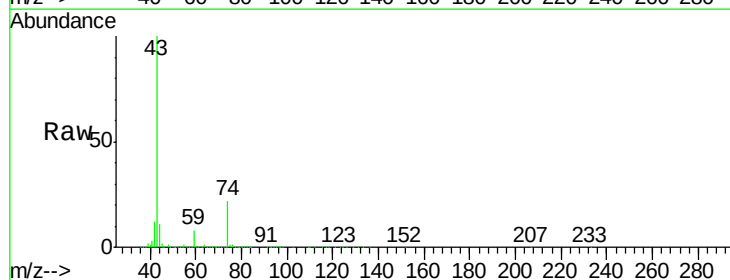
Manual Integrations
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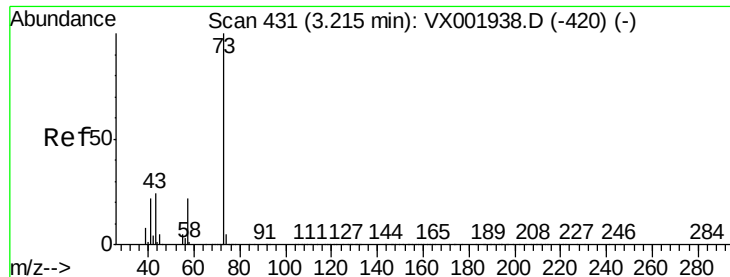
MMDadoda
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#18
Methyl Acetate
Concen: 24.35 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.8	25.2





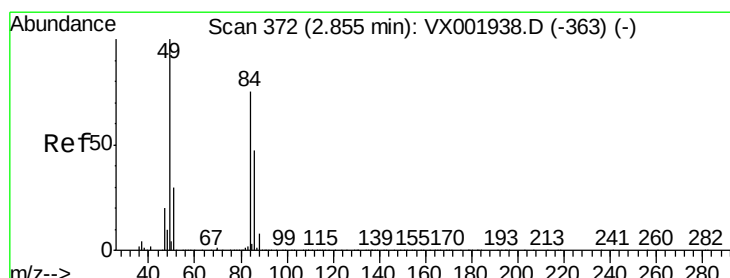
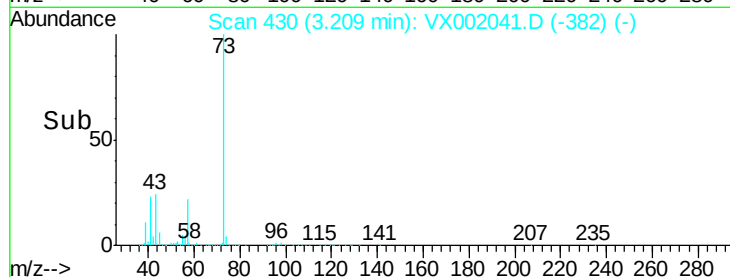
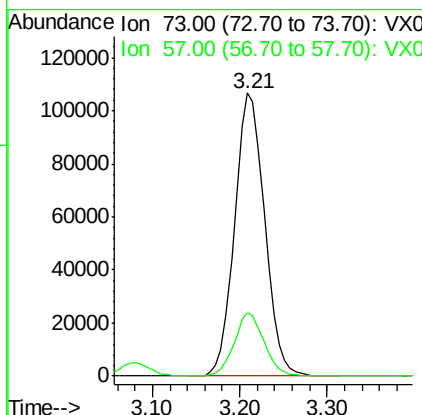
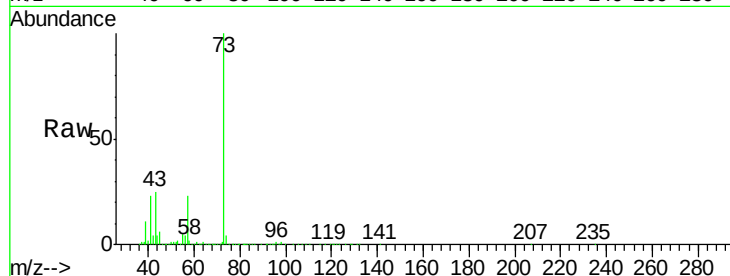
#19
Methyl tert-butyl Ether
Concen: 22.29 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	73	Resp	254702
Ion Ratio	100	Lower	Upper
73	100		
57	22.3	17.4	26.0

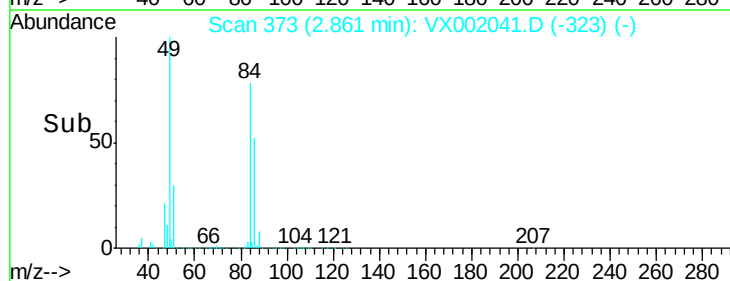
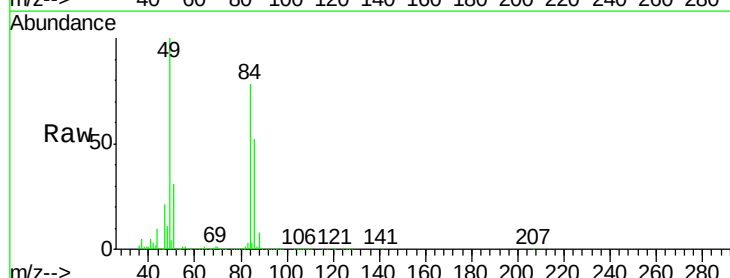
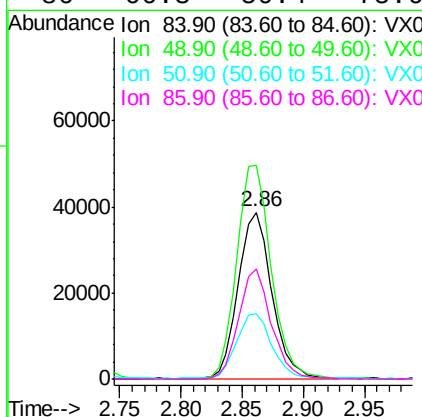
Manual Integrations
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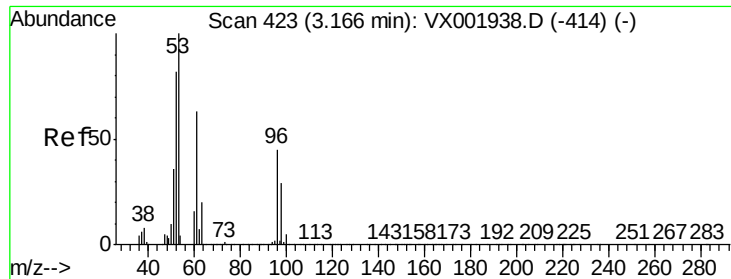
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#20
Methylene Chloride
Concen: 22.81 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	84	Resp	73836
Ion Ratio	100	Lower	Upper
84	100		
49	128.2	107.2	160.8
51	39.1	32.4	48.6
86	66.3	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 22.12 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

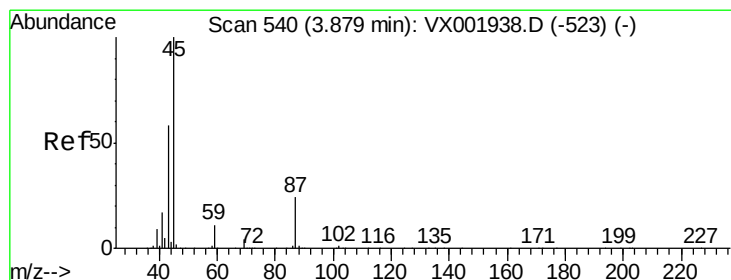
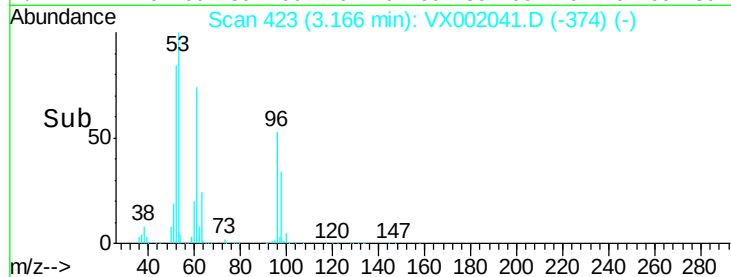
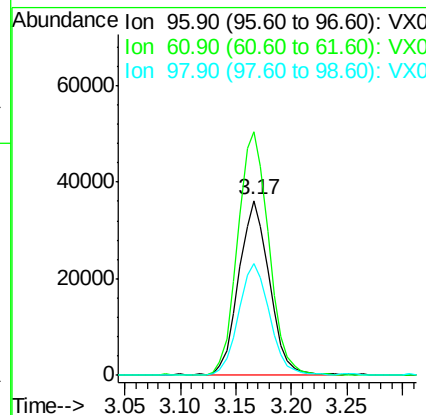
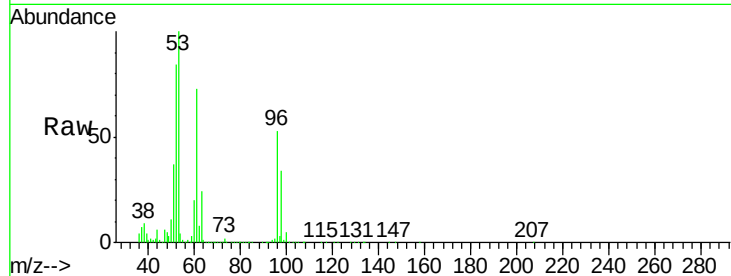
ClientSampleId :

VX0526WBS02

Tot Ion:	96	Resp:	68008
Ion	Ratio	Lower	Upper
96	100		
61	139.8	113.3	169.9
98	63.5	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.81 ug/l

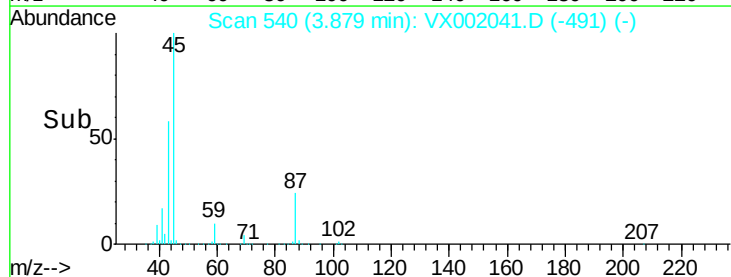
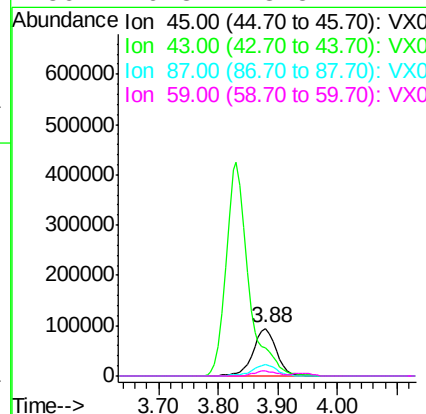
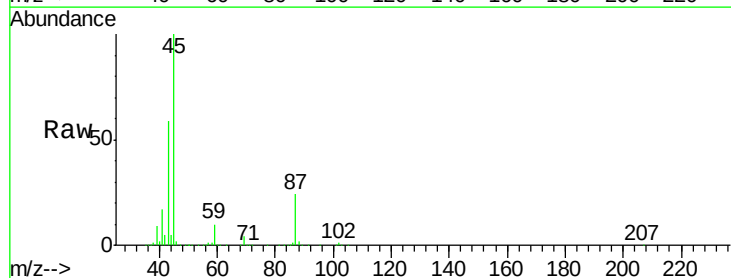
RT: 3.88 min Scan# 540

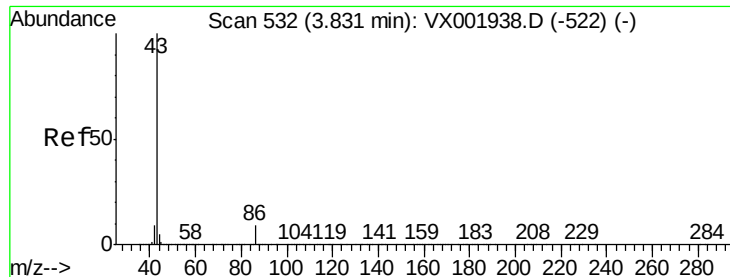
Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Tgt Ion:	45	Resp:	256903
Ion	Ratio	Lower	Upper
45	100		
43	58.5	47.0	70.6
87	23.6	19.4	29.0
59	10.3	8.5	12.7





#23

Vinyl Acetate

Concen: 103.22 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion: 43 Resp: 1109856

Ion Ratio Lower Upper

43 100

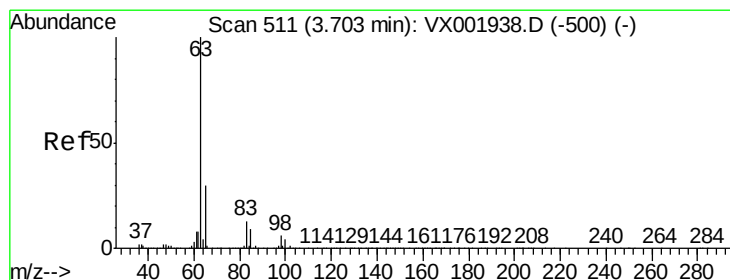
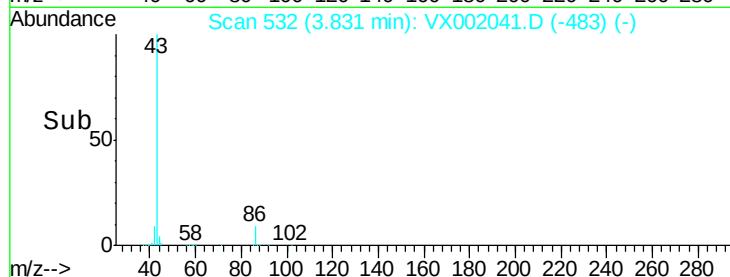
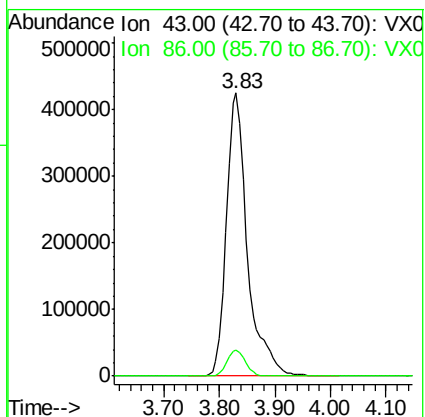
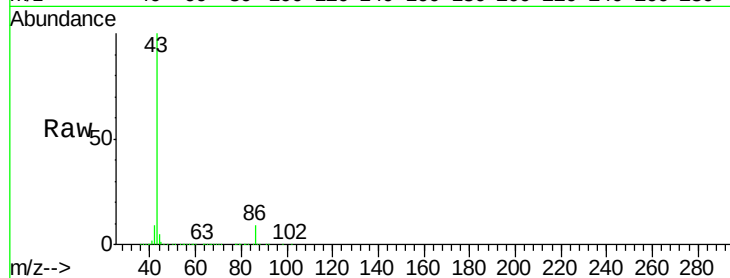
86 9.5 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.30 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

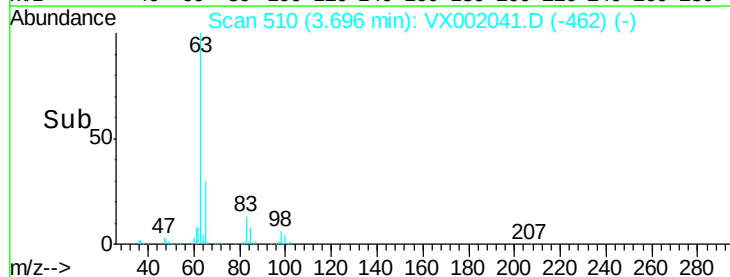
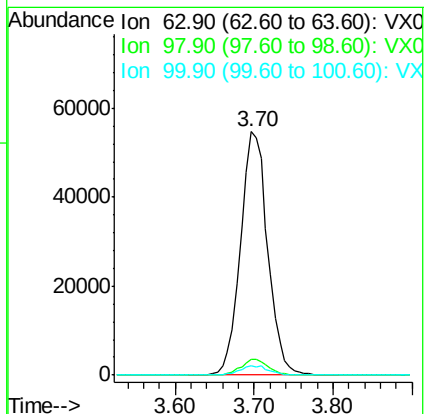
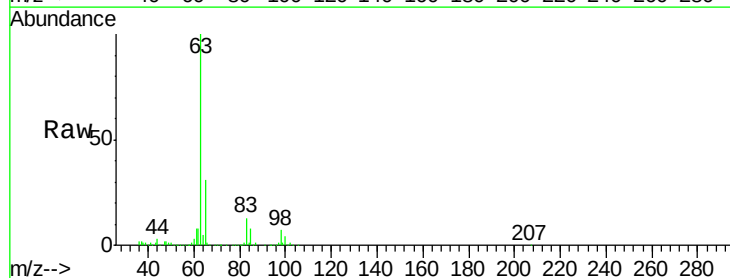
Tgt Ion: 63 Resp: 131224

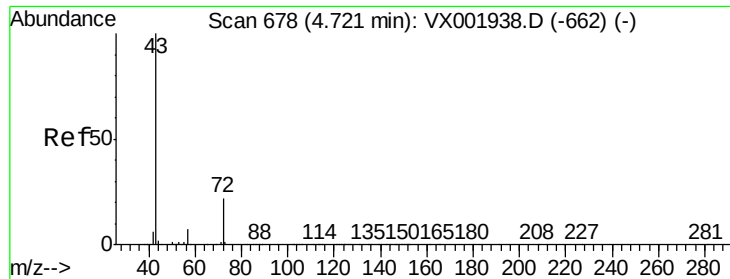
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 3.8 2.1 6.5





#25

2-Butanone

Concen: 96.26 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Tot Ion: 43 Resp: 317161

Ion Ratio Lower Upper

43 100

72 23.6 17.9 26.9

Instrument :

MSVOA_X

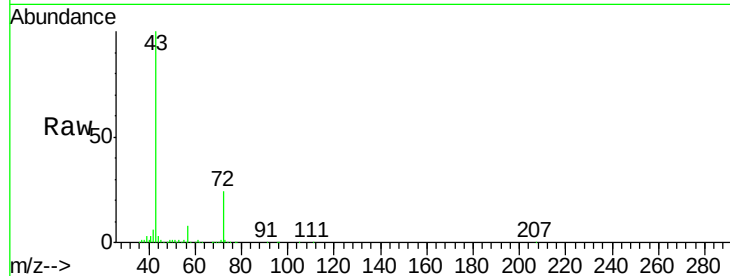
ClientSampleId :

VX0526WBS02

Manual Integrations
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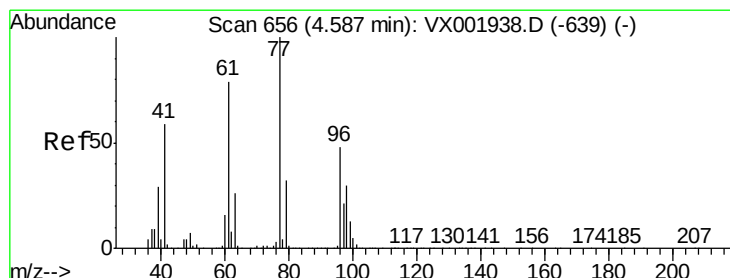
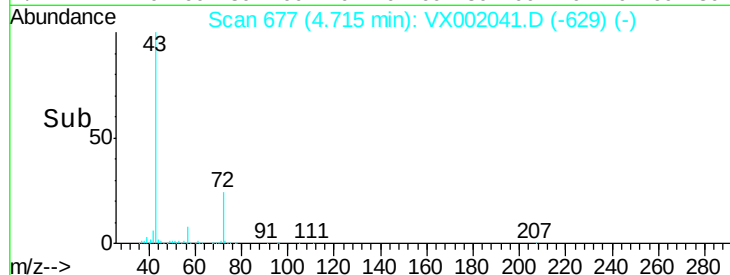
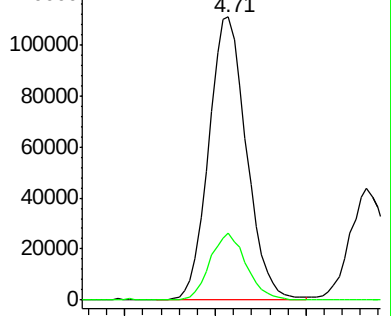
MMDadoda

5/30/2018 1:50:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 12.30 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002041.D

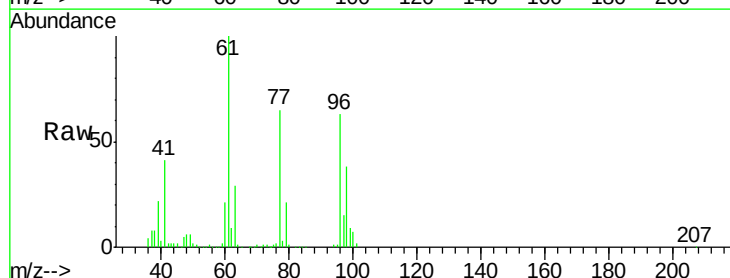
Acq: 27 May 2018 02:05

Tgt Ion: 77 Resp: 76680

Ion Ratio Lower Upper

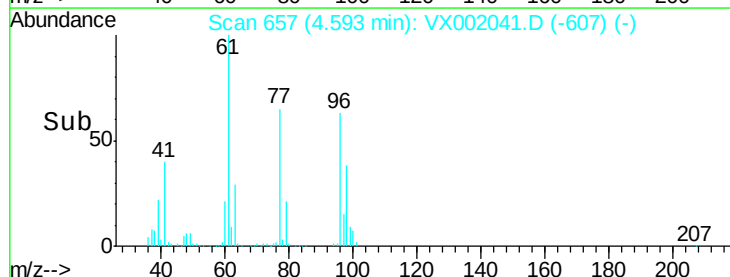
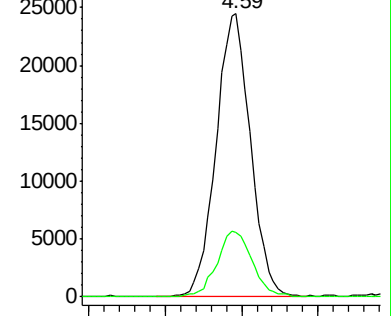
77 100

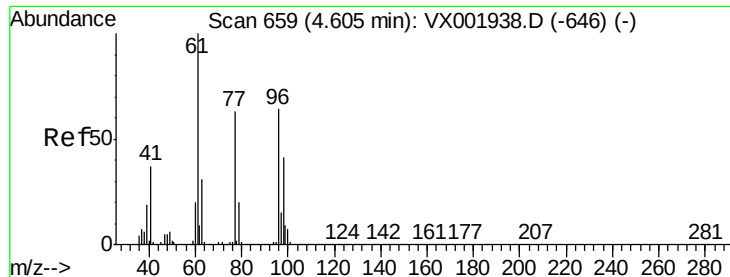
97 23.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

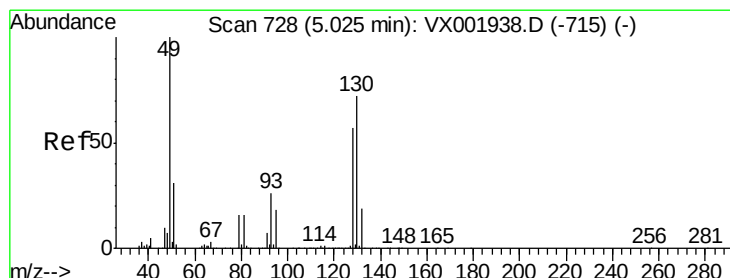
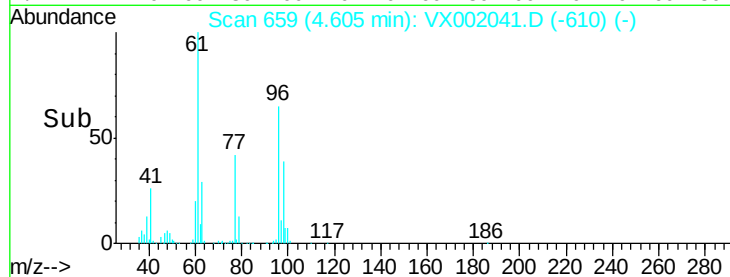
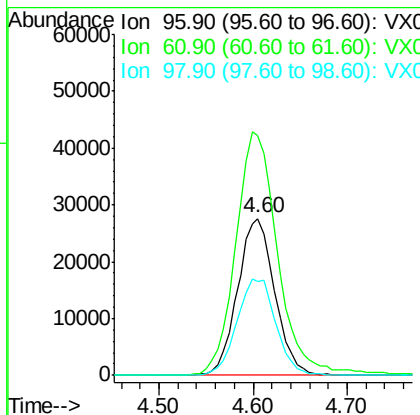
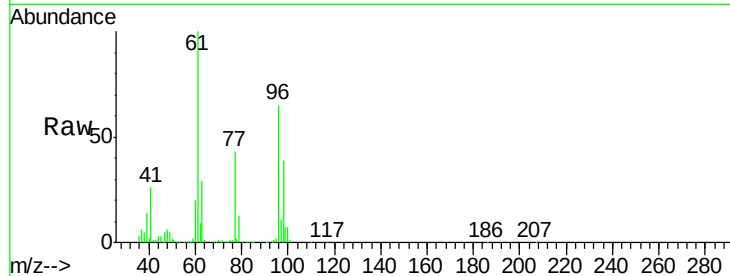
cis-1,2-Dichloroethene
Concen: 19.22 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	177.7	0.0	348.4
98	64.3	0.0	128.6

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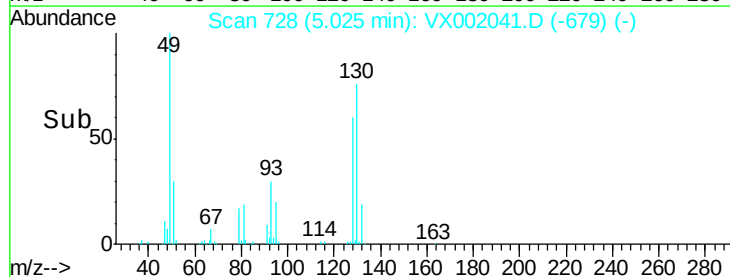
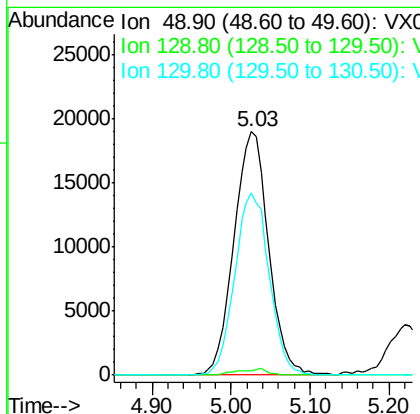
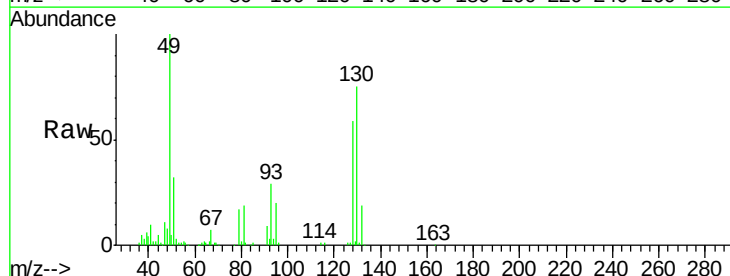
MMDadoda
5/30/2018 1:50:12 PM

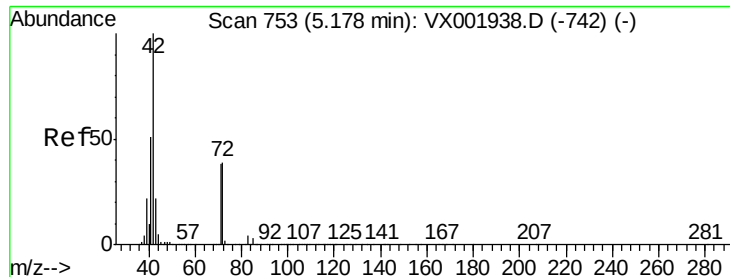


#28

Bromochloromethane
Concen: 21.24 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	74.5	59.4	89.2





#29

Tetrahydrofuran

Concen: 96.62 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Tot Ion:	42	Resp:	207124
Ion Ratio		Lower	Upper
42	100		
72	39.4	31.4	47.0
71	37.3	29.5	44.3

Instrument :

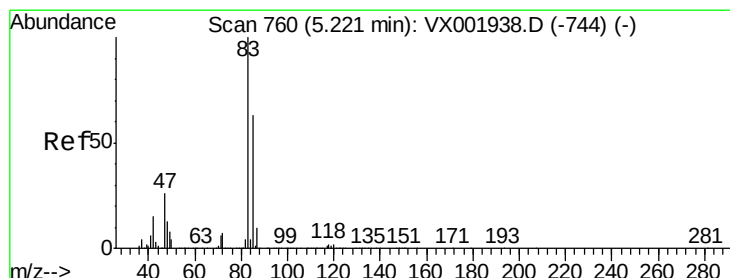
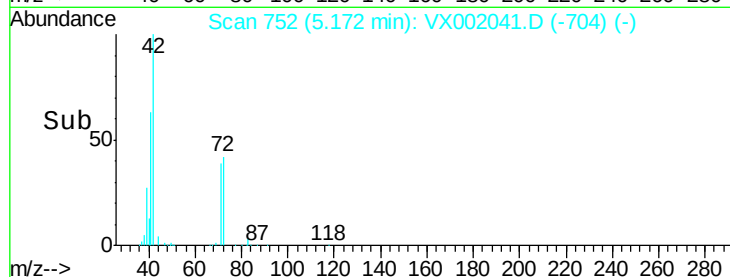
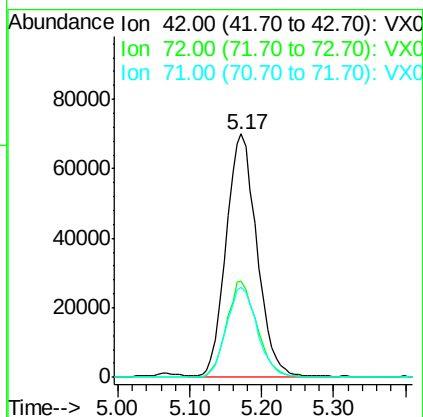
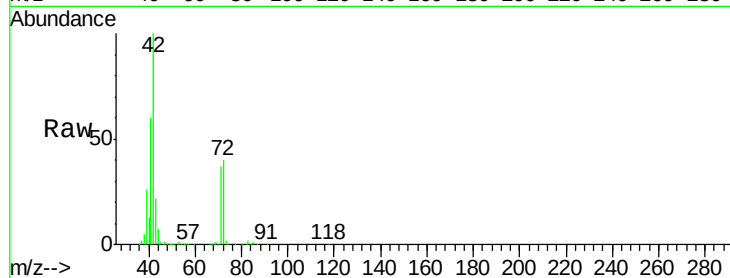
MSVOA_X

ClientSampleId :

VX0526WBS02

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#30

Chloroform

Concen: 19.20 ug/l

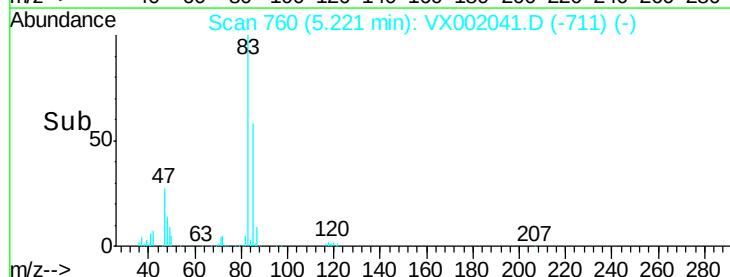
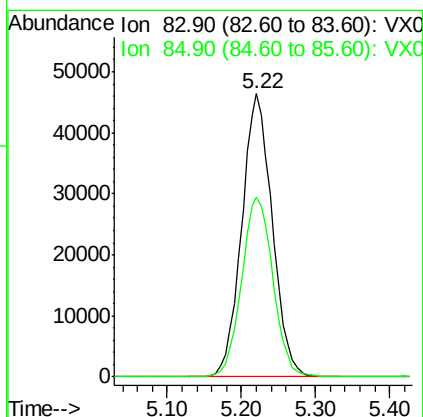
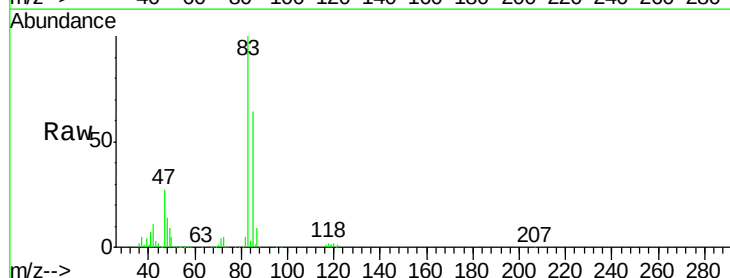
RT: 5.22 min Scan# 760

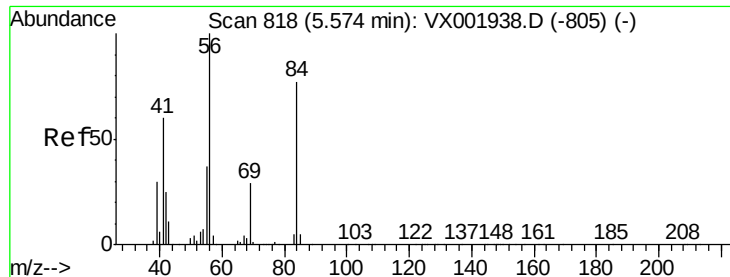
Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Tgt Ion:	83	Resp:	133245
Ion Ratio		Lower	Upper
83	100		
85	63.4	50.9	76.3





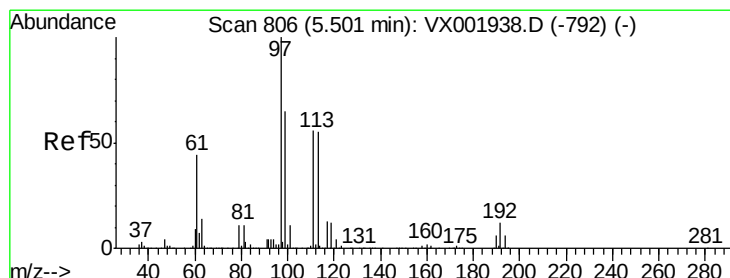
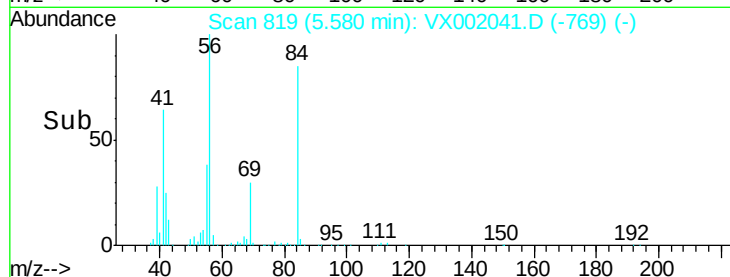
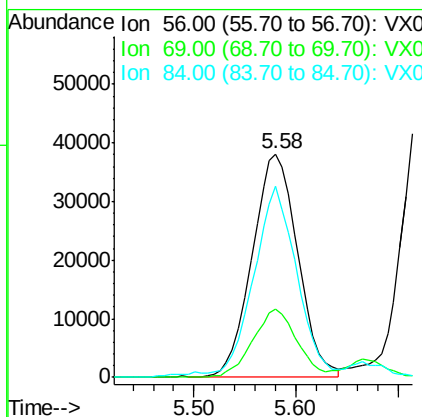
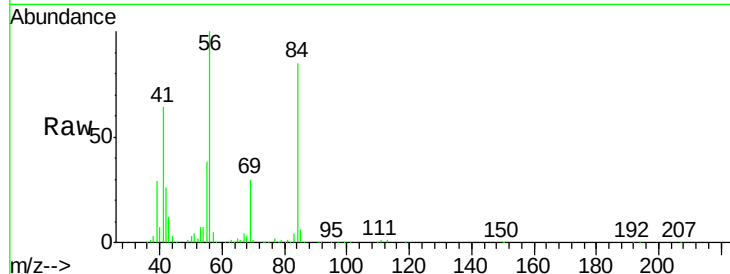
#31
Cyclohexane
Concen: 18.28 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.1	34.7
84	84.1	62.0	93.0

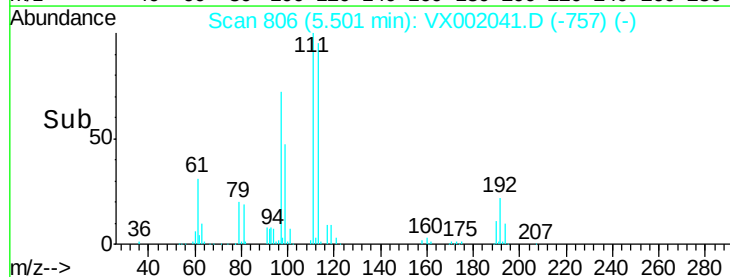
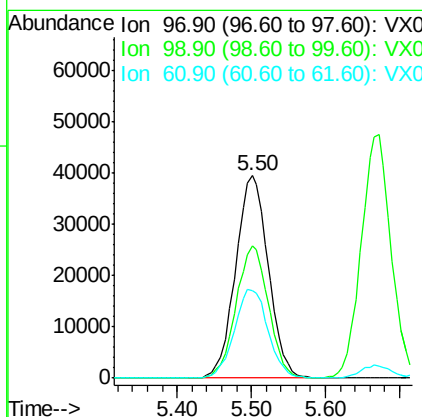
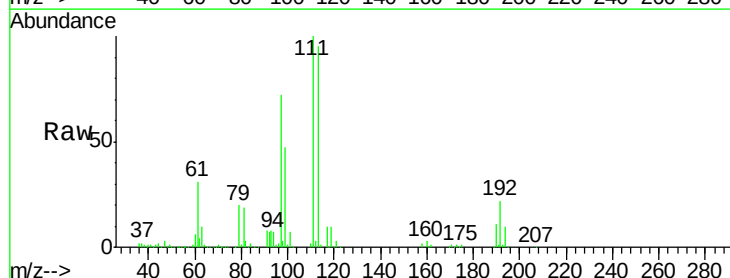
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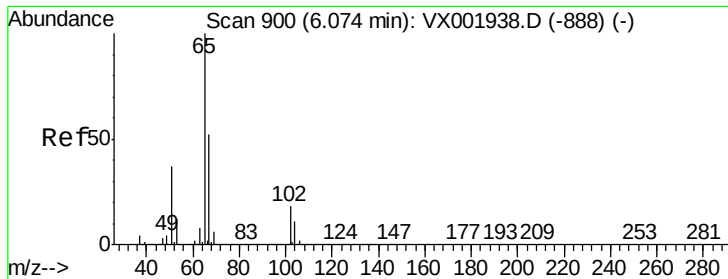
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5/30/2018 1:50:12 PM



#32
1,1,1-Trichloroethane
Concen: 18.77 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.9	77.9
61	45.2	35.9	53.9





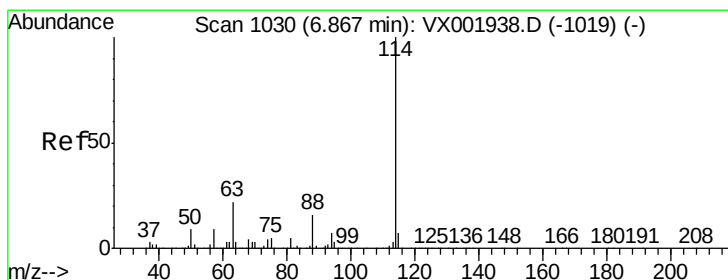
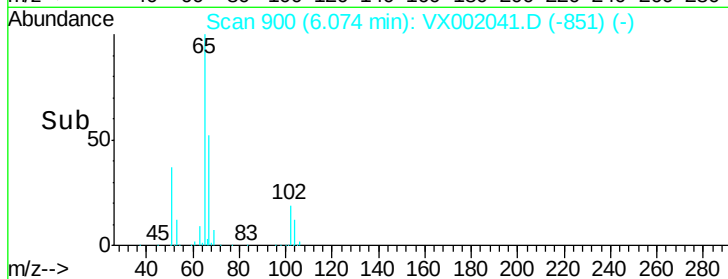
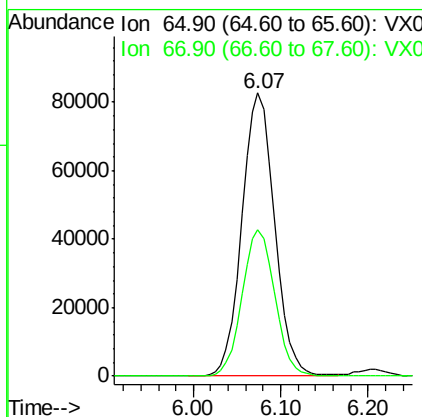
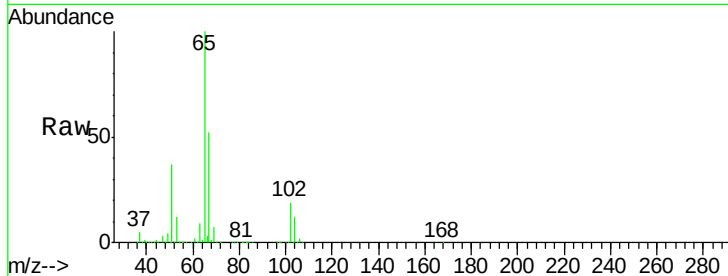
#33
 1,2-Dichloroethane-d4
 Concen: 46.00 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	214296		
67	51.8	0.0	104.0	

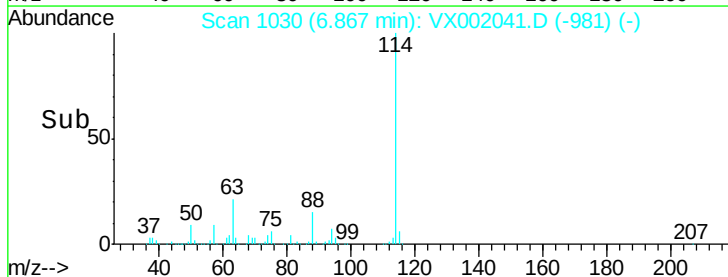
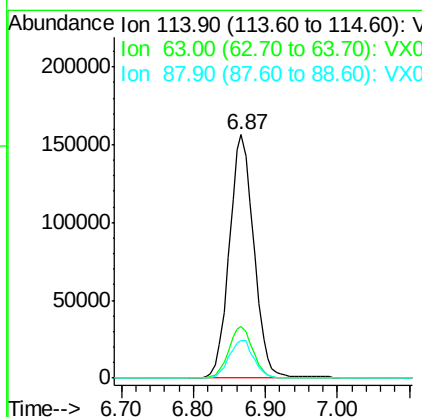
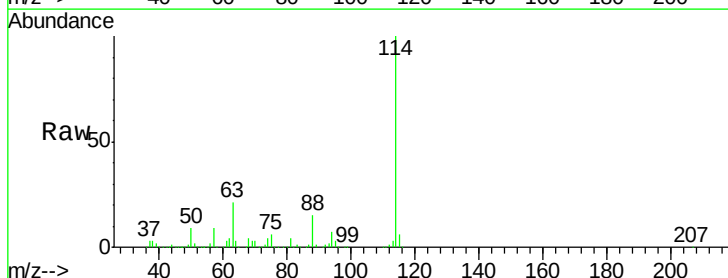
Manual Integrations
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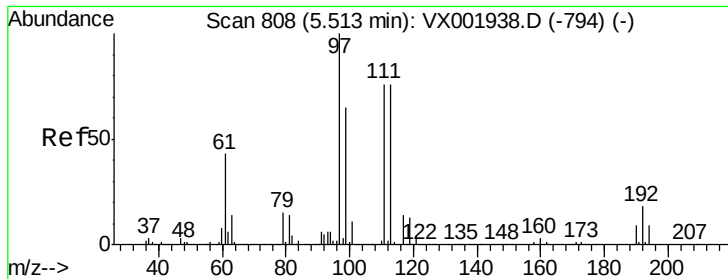
MMDadoda
 5/30/2018 1:50:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	371680		
63	21.1	0.0	43.2	
88	15.4	0.0	31.6	





#35

Dibromofluoromethane

Concen: 43.97 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

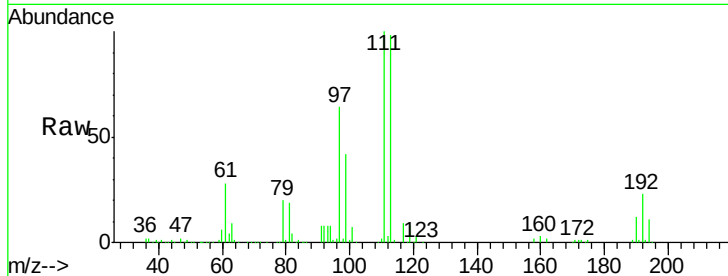
ClientSampleId :

VX0526WBS02

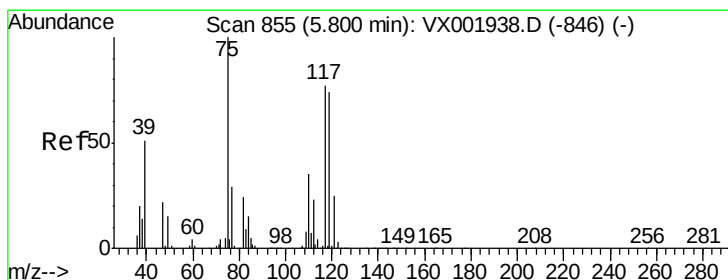
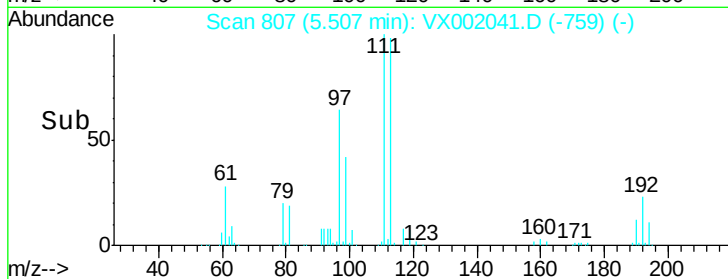
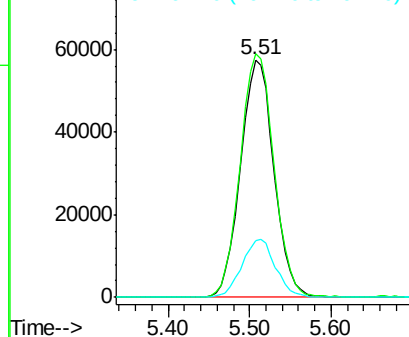
Tot Ion:	113	Resp:	163436
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.0	123.0
192	24.4	18.9	28.3

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.25 ug/l

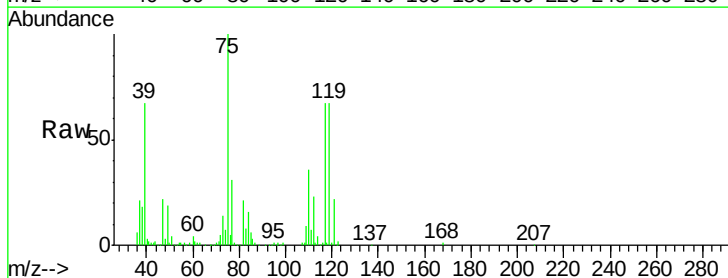
RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

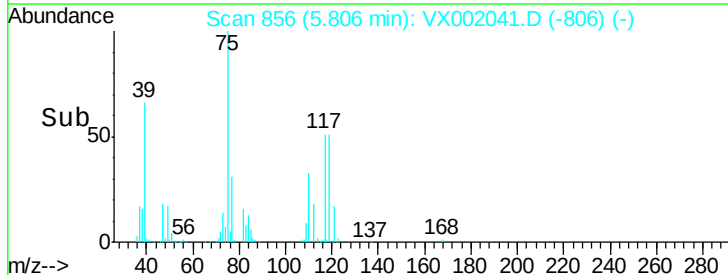
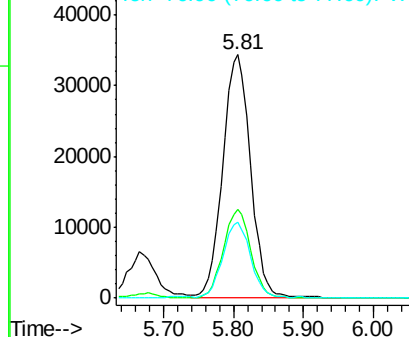
Lab File: VX002041.D

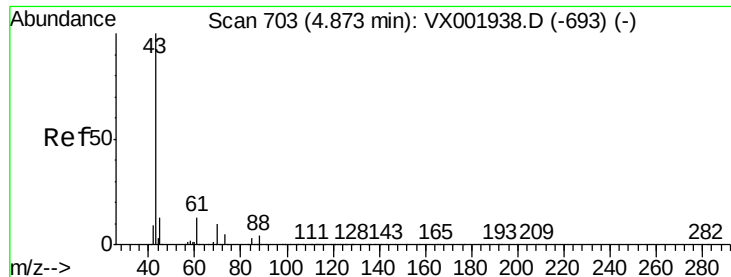
Acq: 27 May 2018 02:05

Tgt Ion:	75	Resp:	94355
Ion Ratio	Lower	Upper	
75	100		
110	36.5	17.4	52.2
77	30.7	24.4	36.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





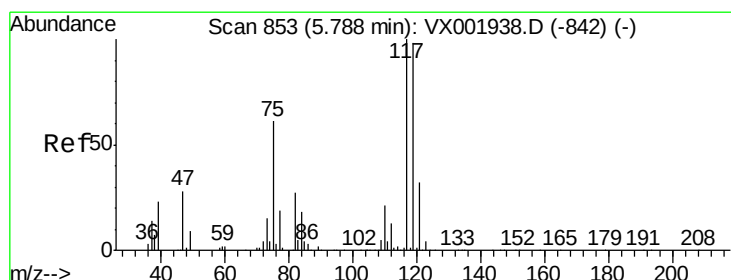
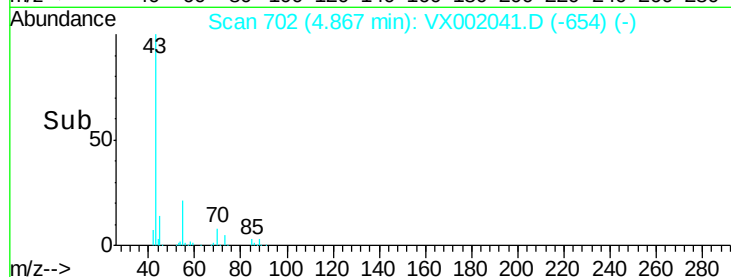
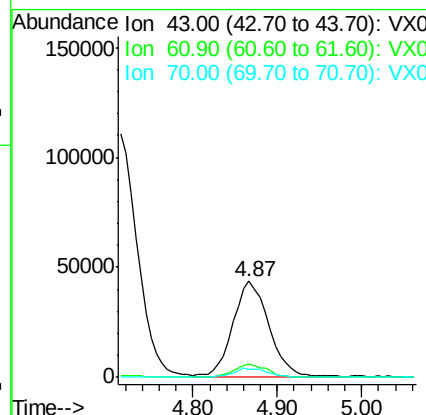
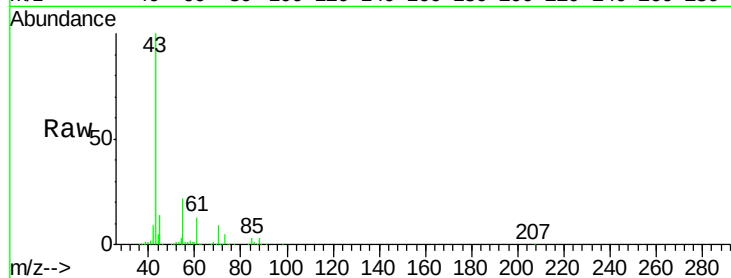
#37
Ethyl Acetate
Concen: 18.57 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.3	7.8	11.8

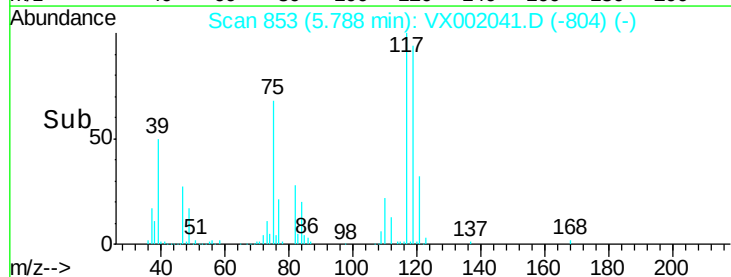
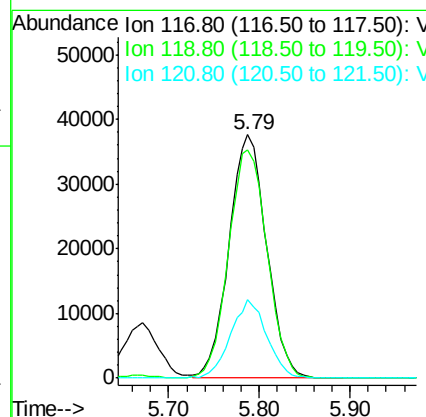
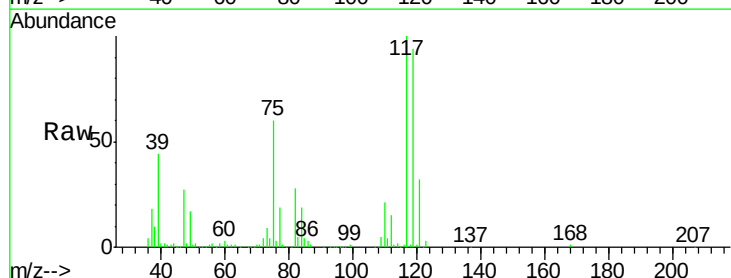
Manual Integrations
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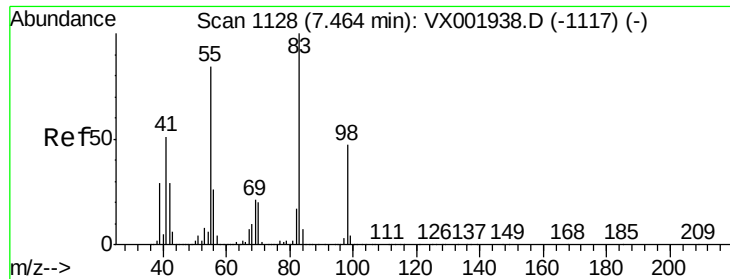
MMDadoda
5/30/2018 1:50:12 PM



#38
Carbon Tetrachloride
Concen: 17.93 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.5	117.7
121	32.3	25.5	38.3





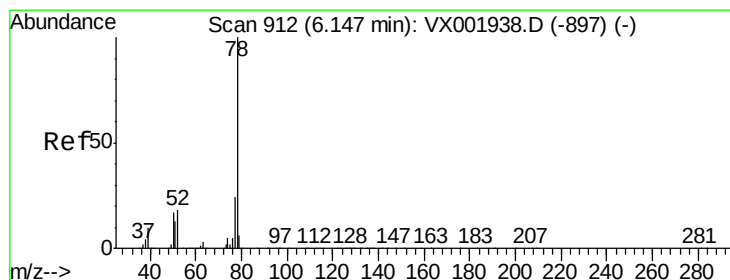
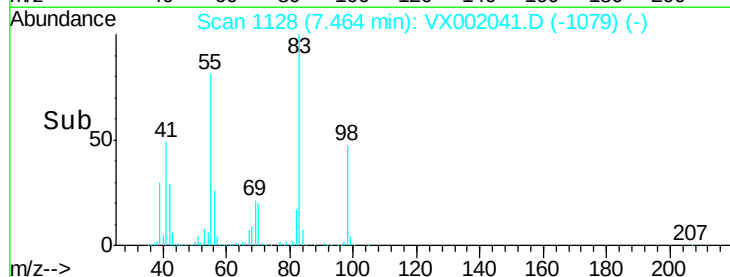
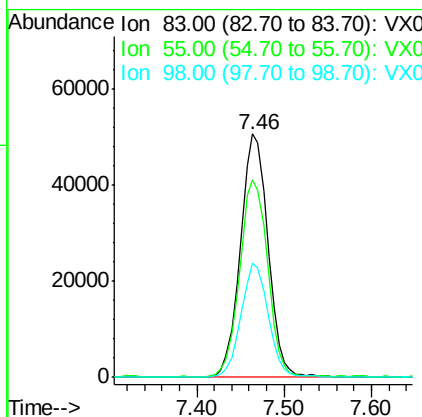
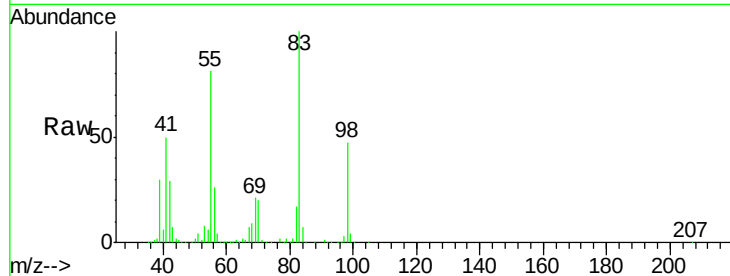
#39
Methylvlcyclohexane
Concen: 17.52 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	67.3	100.9
98	47.0	37.5	56.3

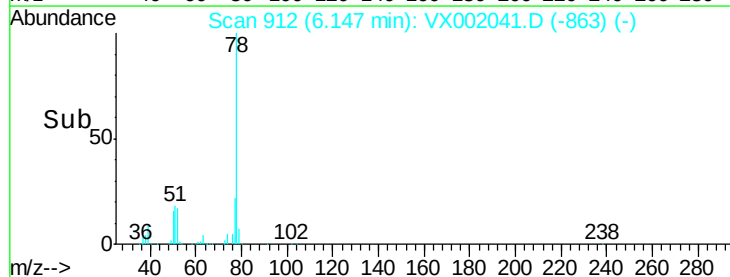
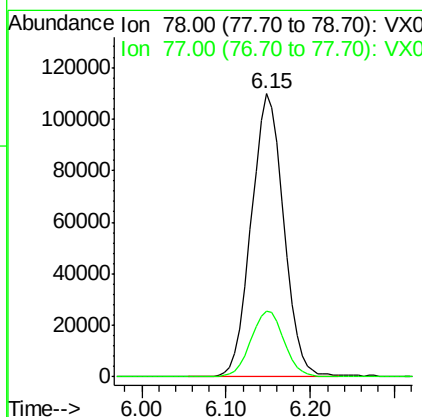
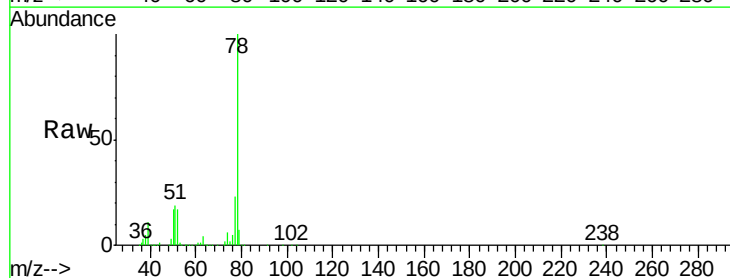
Manual Integrations
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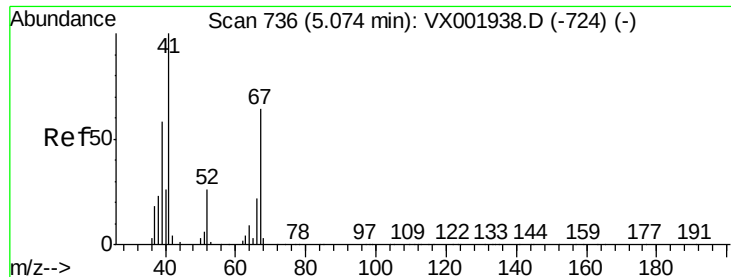
MMDadoda
5/30/2018 1:50:12 PM



#40
Benzene
Concen: 19.05 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





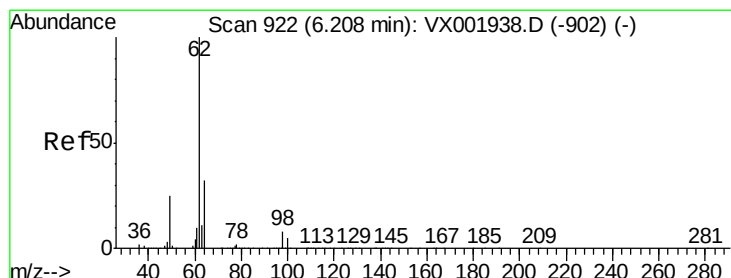
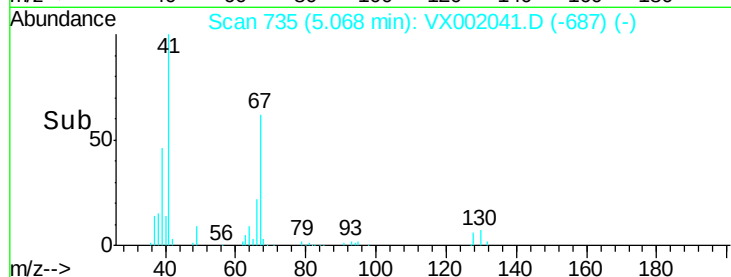
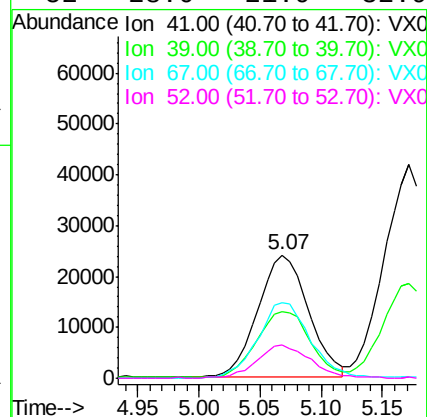
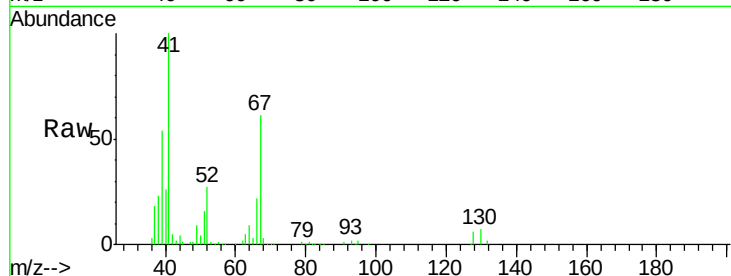
#41
Methacrylonitrile
Concen: 18.81 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.5	46.0	69.0	
67	64.0	50.6	75.8	
52	28.0	21.9	32.9	

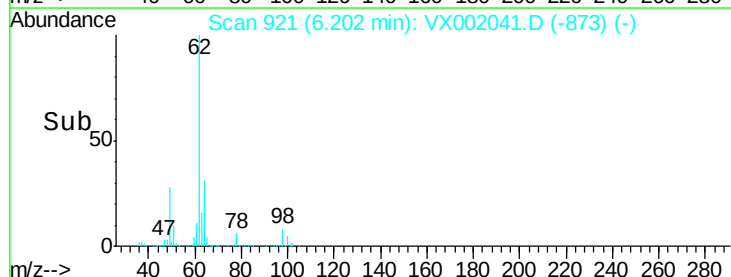
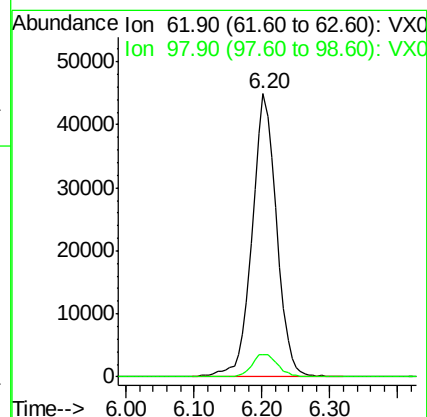
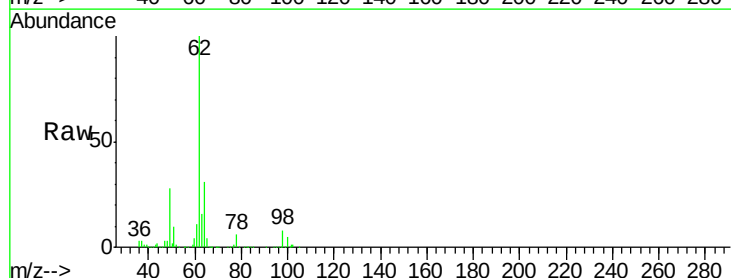
Manual Integrations
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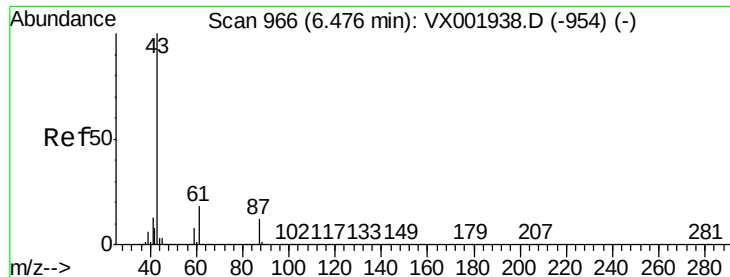
MMDadoda
5/30/2018 1:50:12 PM



#42
1,2-Dichloroethane
Concen: 18.65 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.0	





#43

Isopropyl Acetate

Concen: 18.42 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

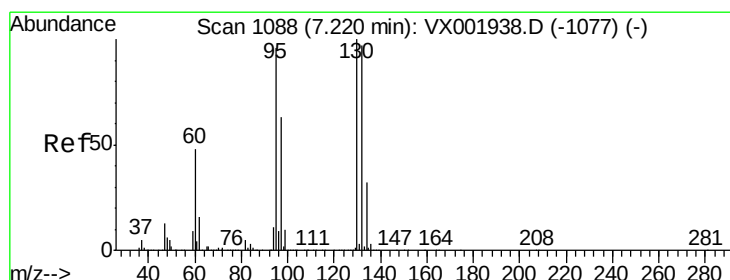
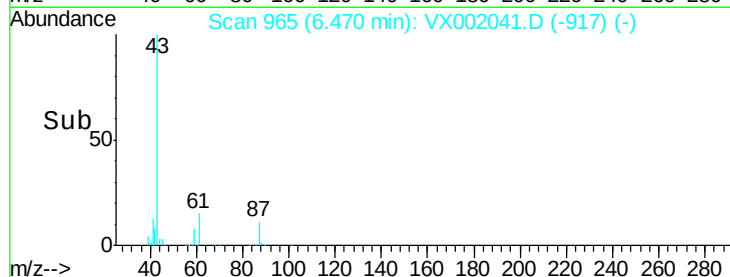
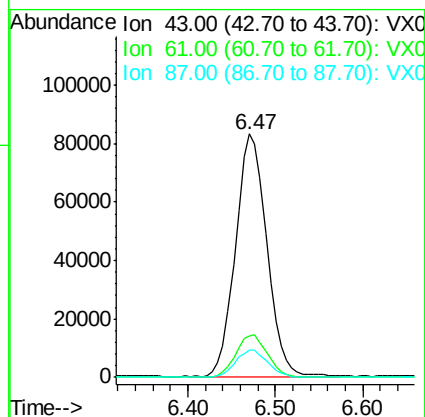
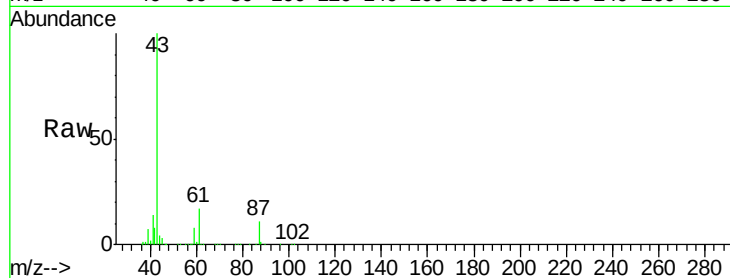
ClientSampleId :

VX0526WBS02

Tot Ion:	43	Resp:	206903
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	11.6	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 18.54 ug/l

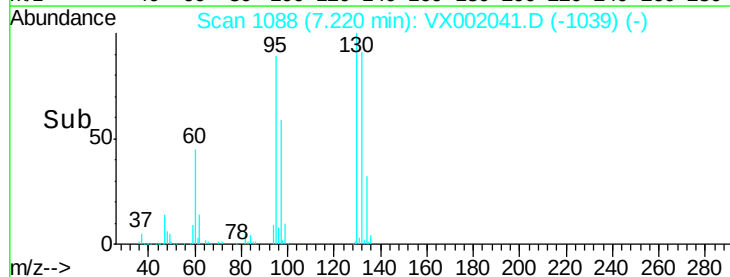
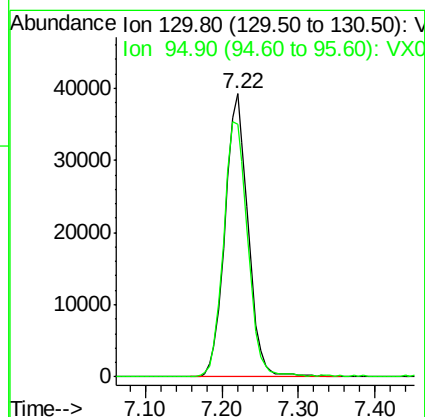
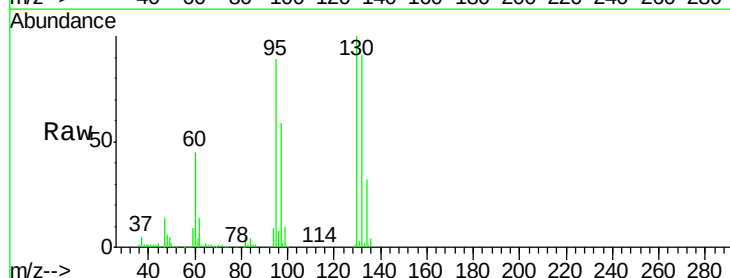
RT: 7.22 min Scan# 1088

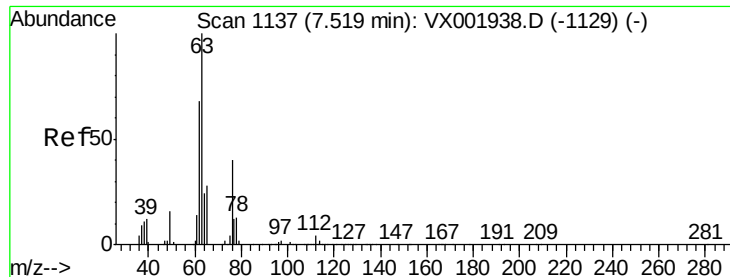
Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Tgt Ion:	130	Resp:	81852
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	192.0





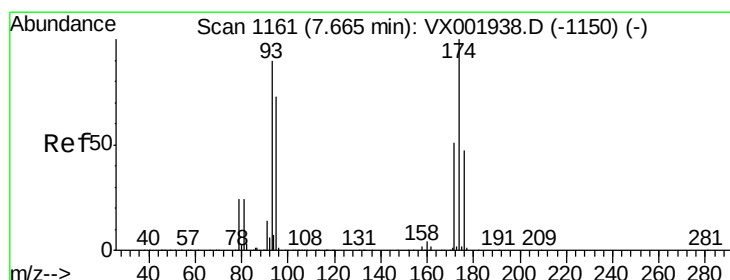
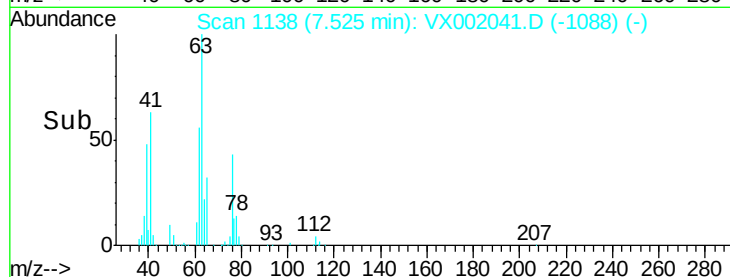
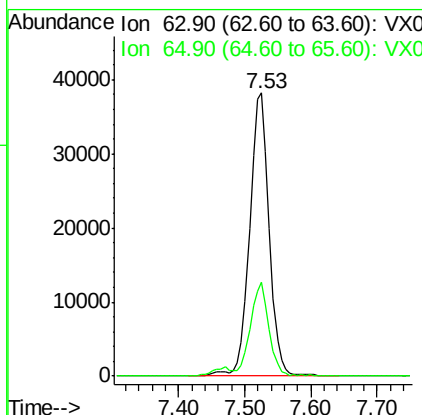
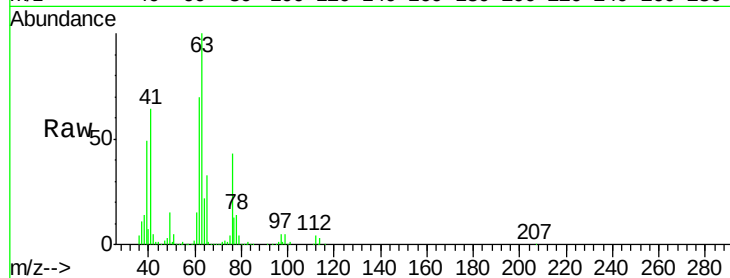
#45
 1,2-Dichloropropane
 Concen: 19.23 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.2	24.1	36.1

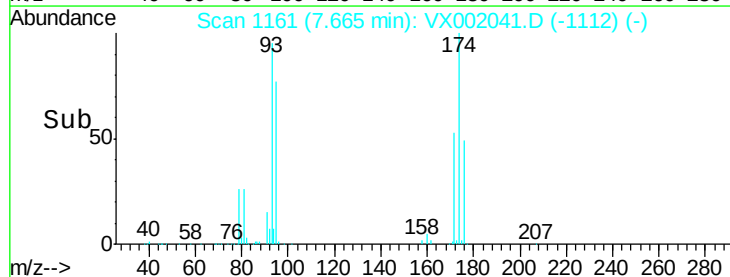
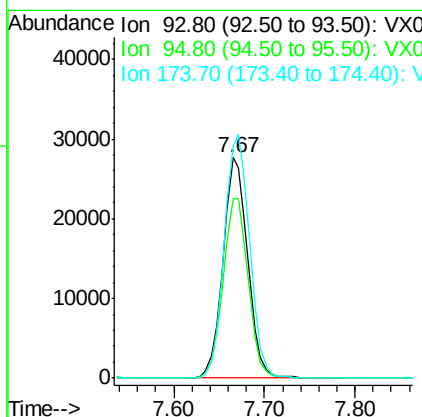
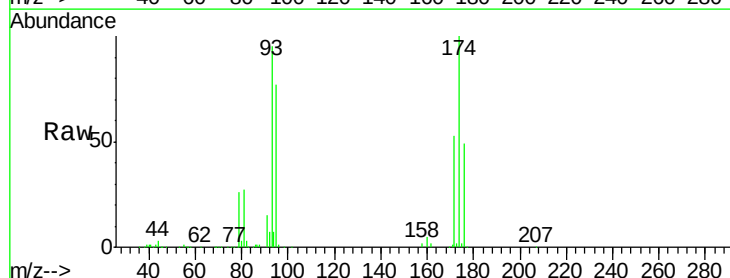
Manual Integrations
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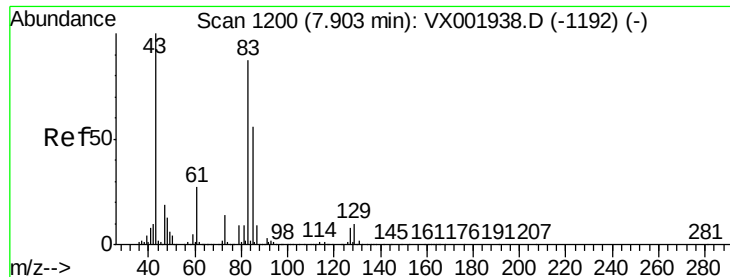
MMDadoda
 5/30/2018 1:50:12 PM



#46
 Dibromomethane
 Concen: 19.18 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.1	99.1
174	113.2	92.5	138.7





#47

Bromodichloromethane

Concen: 17.88 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

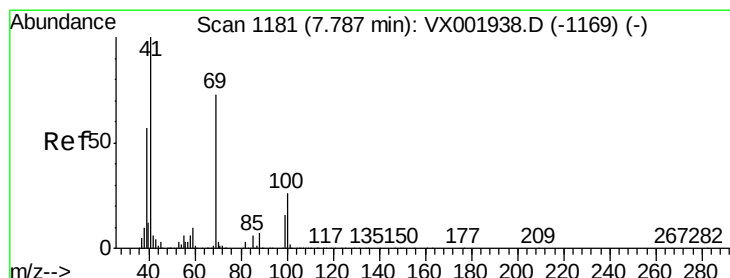
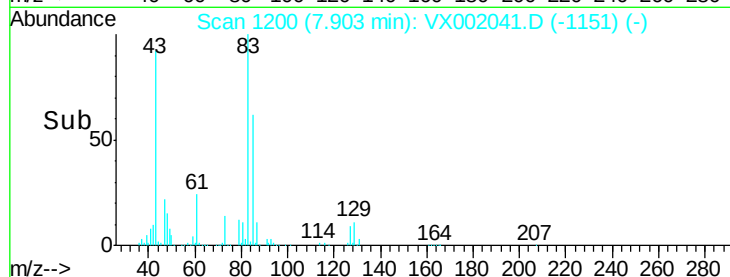
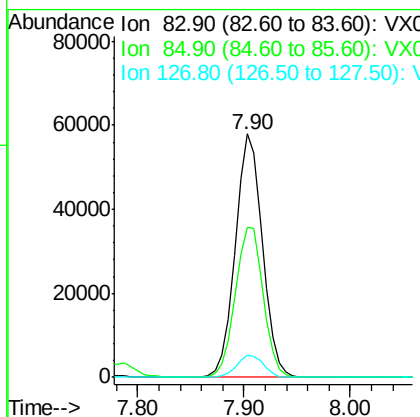
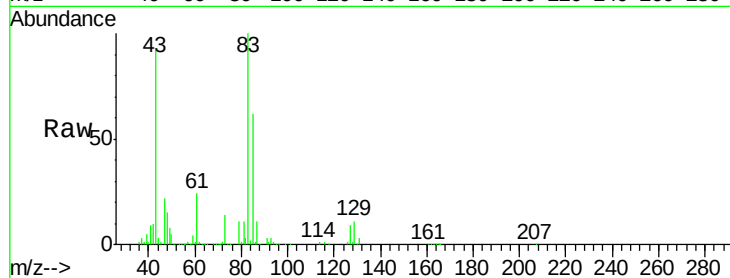
ClientSampleId :

VX0526WBS02

Tot Ion:	83	Resp:	103828
Ion Ratio	Lower	Upper	
83	100		
85	61.7	51.4	77.2
127	9.0	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.14 ug/l

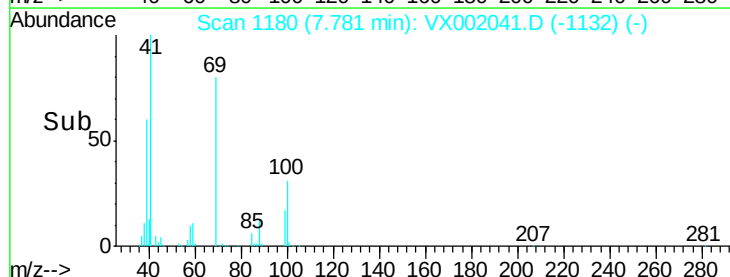
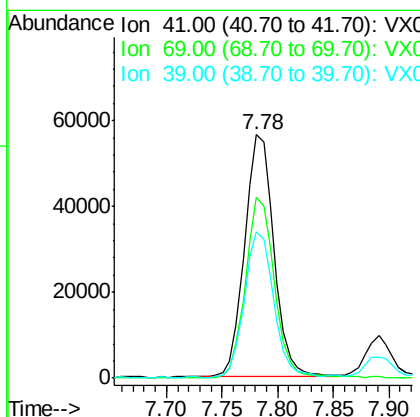
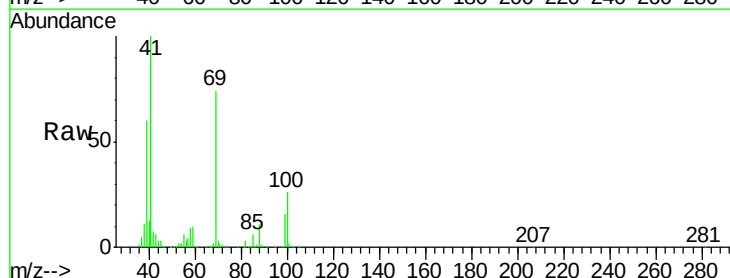
RT: 7.78 min Scan# 1180

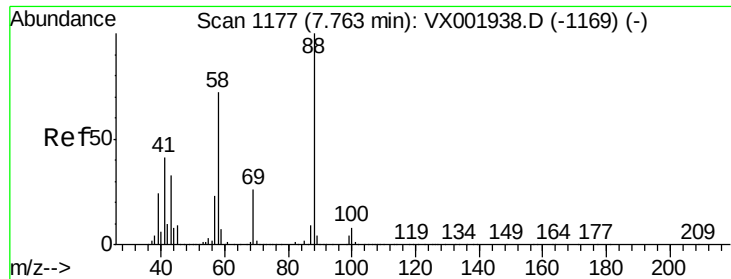
Delta R.T. -0.01 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Tgt Ion:	41	Resp:	103691
Ion Ratio	Lower	Upper	
41	100		
69	73.7	58.6	87.8
39	59.7	46.3	69.5





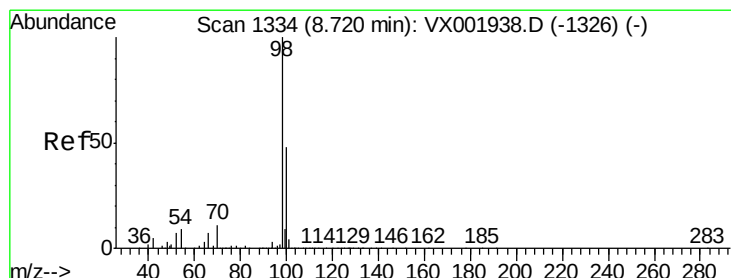
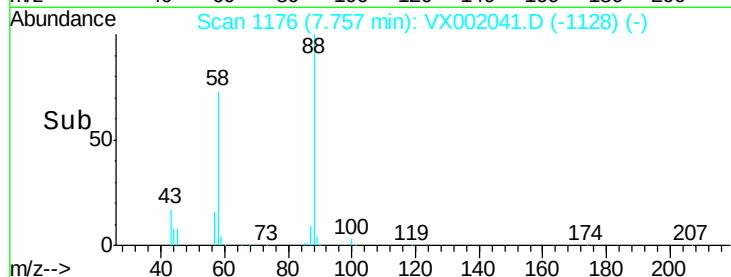
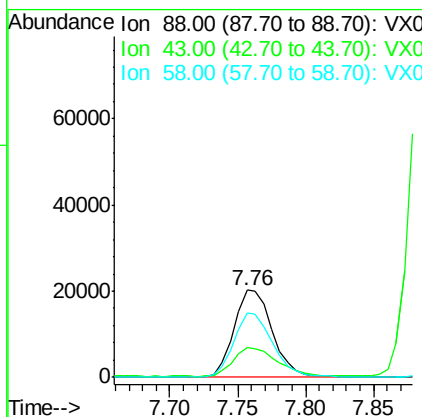
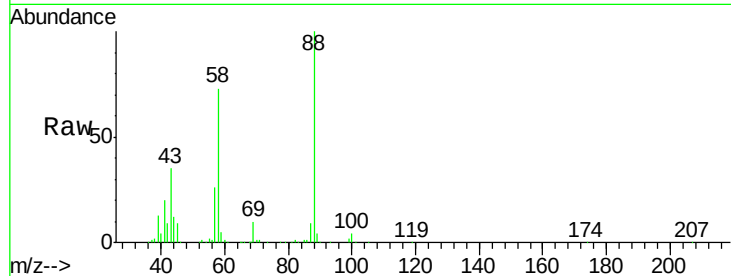
#49
 1,4-Dioxane
 Concen: 396.64 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	29.8	44.8
58	75.9	58.7	88.1

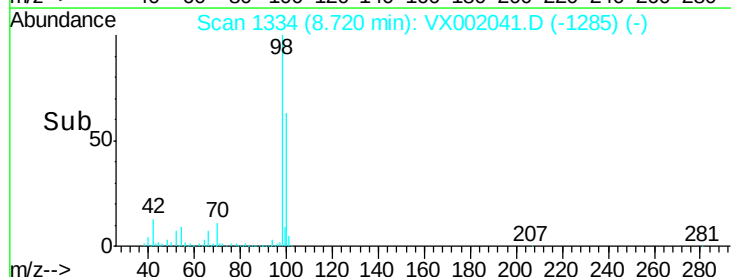
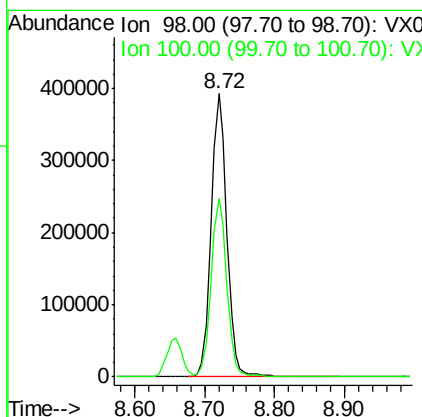
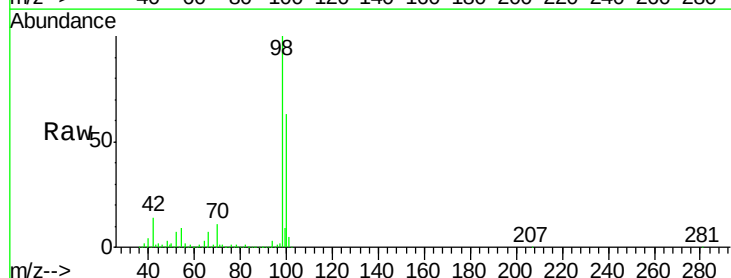
Manual Integrations
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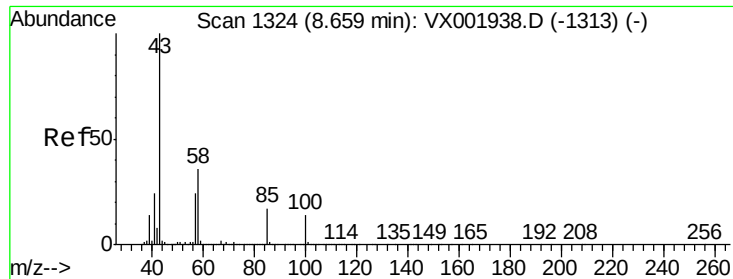
MMDadoda
 5/30/2018 1:50:12 PM



#50
 Toluene-d8
 Concen: 45.48 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 96.81 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion: 43 Resp: 655367

Ion Ratio Lower Upper

43 100

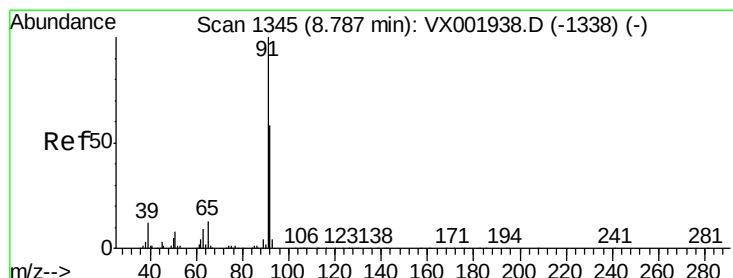
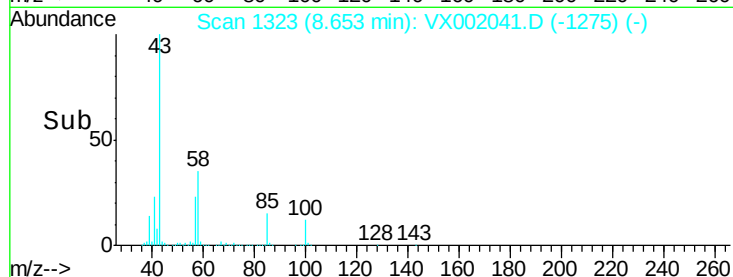
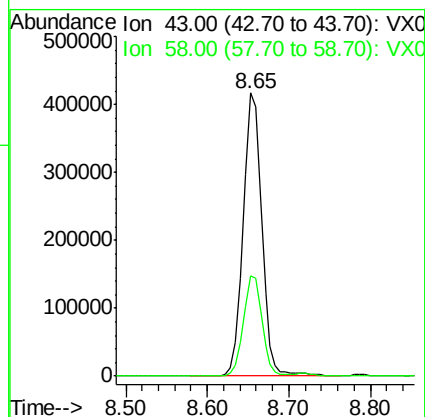
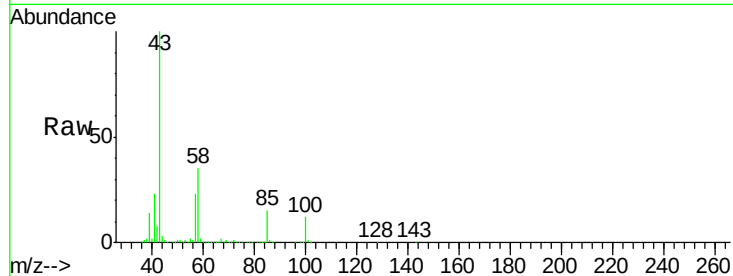
58 35.3 28.5 42.7

Manual Integrations

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#52

Toluene

Concen: 18.84 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002041.D

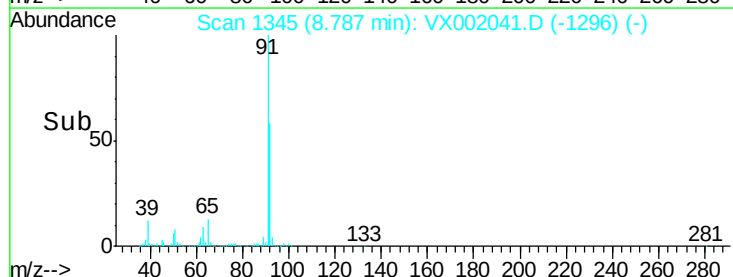
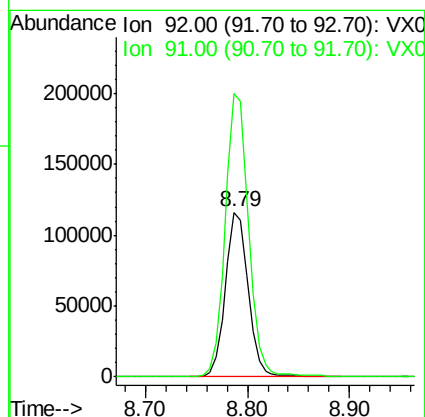
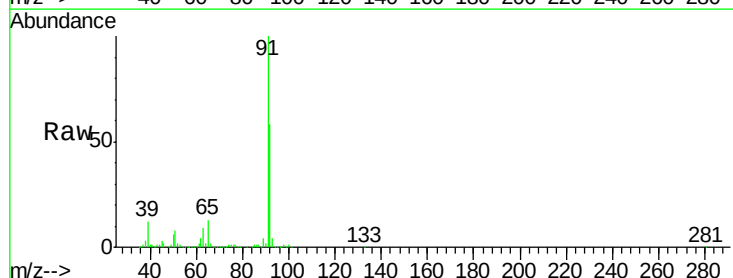
Acq: 27 May 2018 02:05

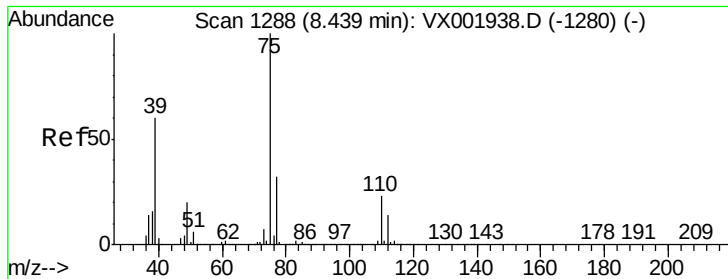
Tgt Ion: 92 Resp: 181595

Ion Ratio Lower Upper

92 100

91 176.2 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 17.08 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion: 75 Resp: 114230

Ion Ratio Lower Upper

75 100

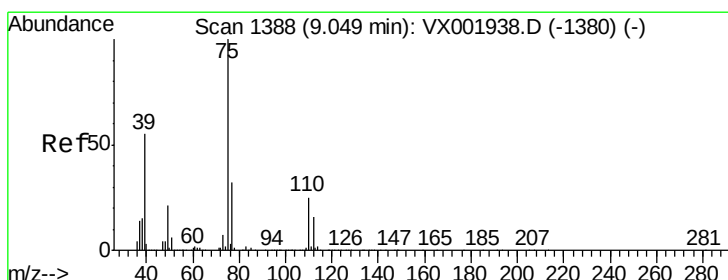
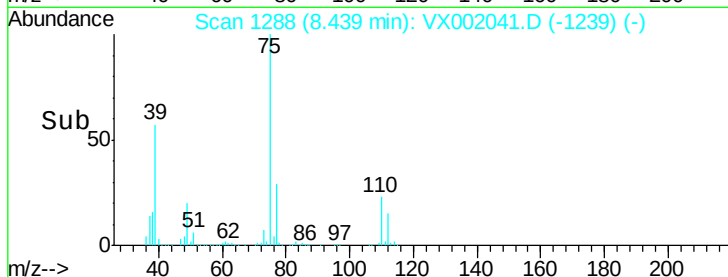
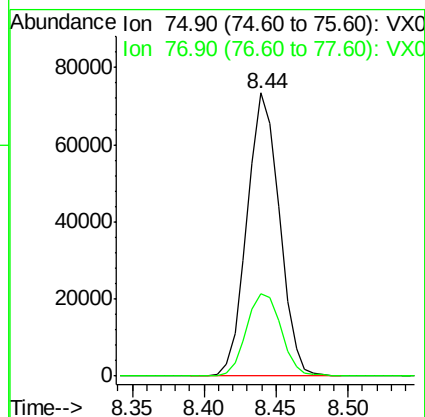
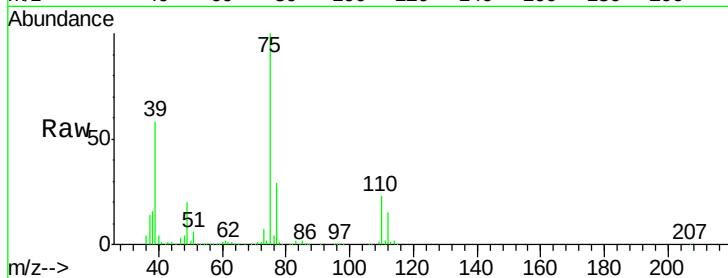
77 29.1 25.5 38.3

Manual Integrations

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5/30/2018 1:50:12 PM



#54

cis-1,3-Dichloropropene

Concen: 16.51 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

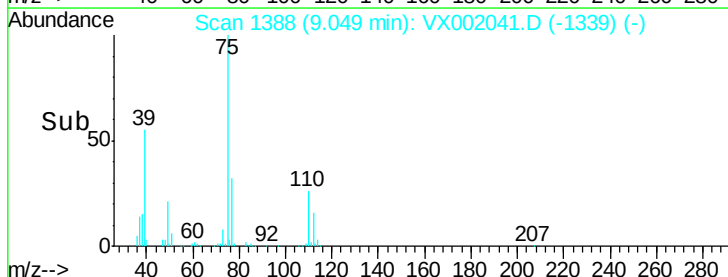
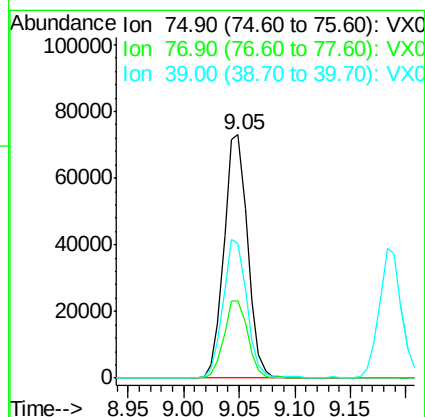
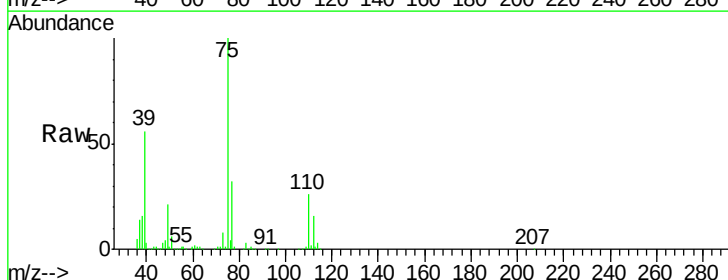
Tgt Ion: 75 Resp: 107585

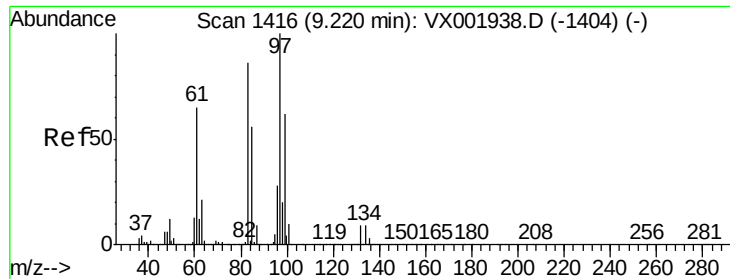
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 55.4 44.1 66.1





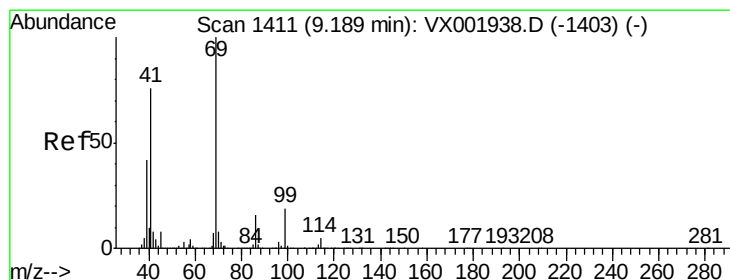
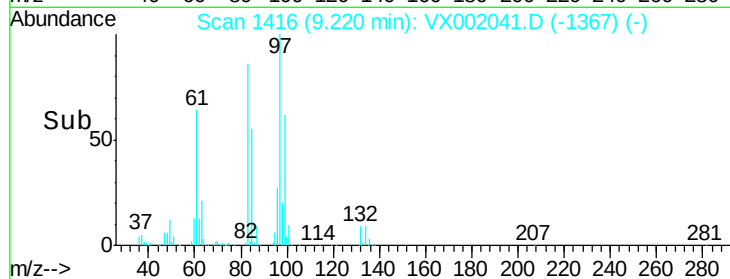
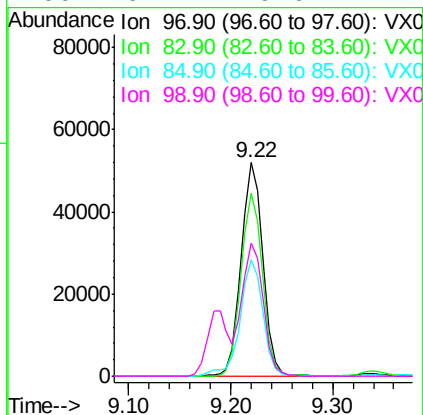
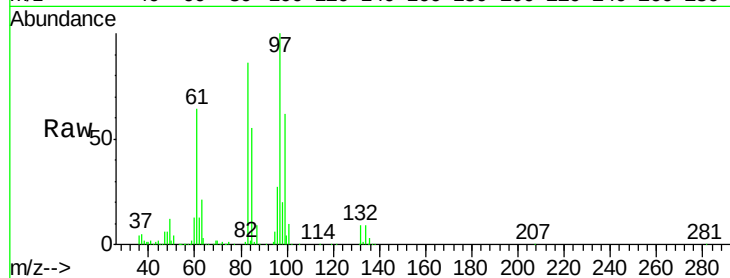
#55
 1,1,2-Trichloroethane
 Concen: 19.06 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBS02

Tot Ion:	97	Resp:	76762
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.1	103.7
85	54.7	45.2	67.8
99	62.4	49.6	74.4

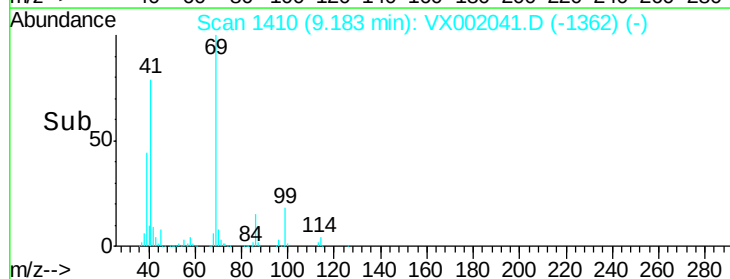
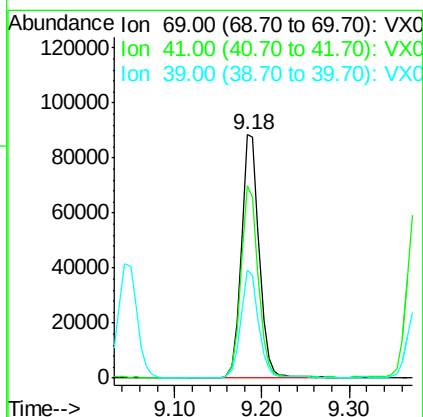
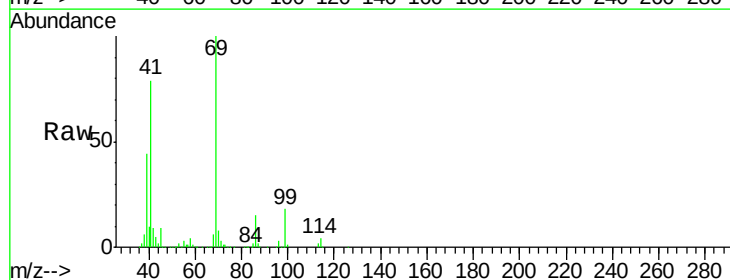
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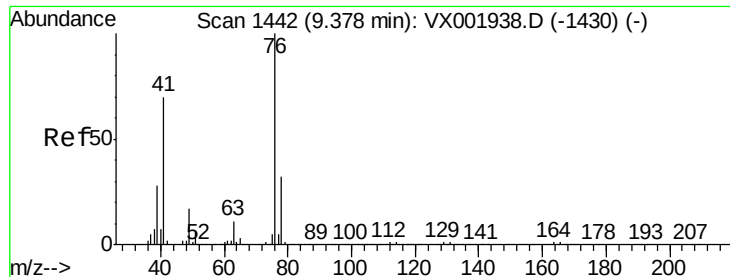
MMDadoda
 5/30/2018 1:50:12 PM



#56
 Ethyl methacrylate
 Concen: 18.27 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Tgt Ion:	69	Resp:	126544
Ion	Ratio	Lower	Upper
69	100		
41	76.5	61.0	91.6
39	43.5	34.4	51.6





#57

1,3-Dichloropropane

Concen: 19.12 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion: 76 Resp: 126807

Ion Ratio Lower Upper

76 100

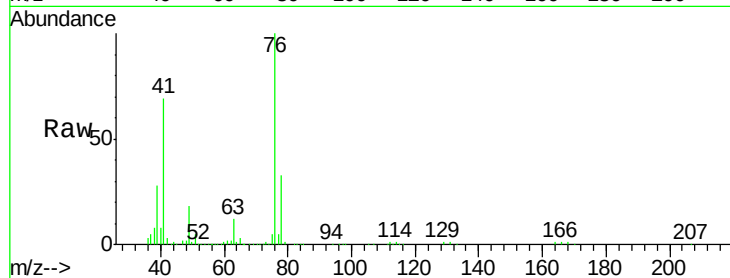
78 32.4 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

80000

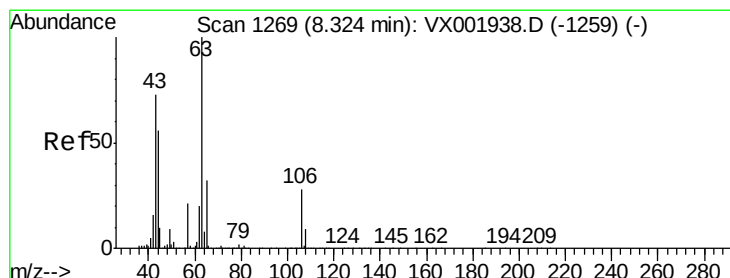
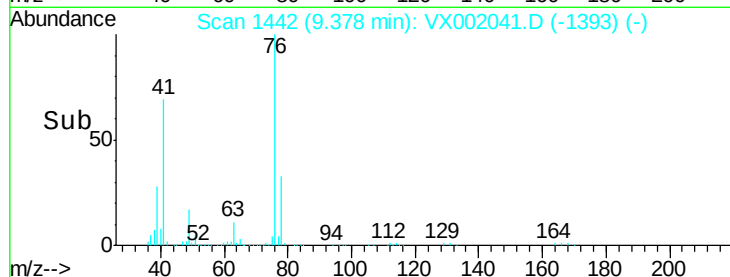
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.25 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002041.D

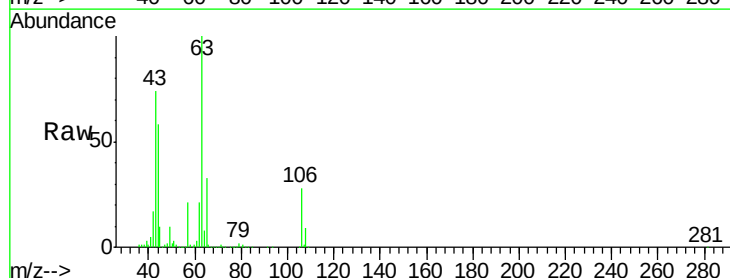
Acq: 27 May 2018 02:05

Tgt Ion: 63 Resp: 295481

Ion Ratio Lower Upper

63 100

106 27.4 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

200000

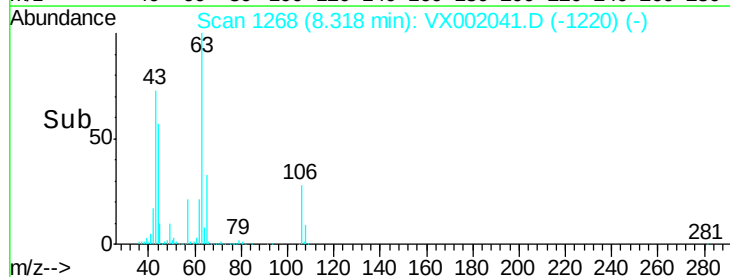
150000

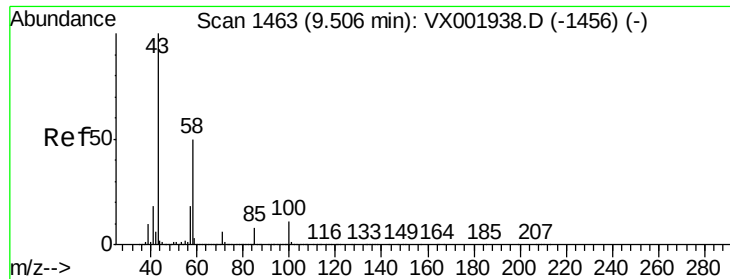
100000

50000

0

Time-->





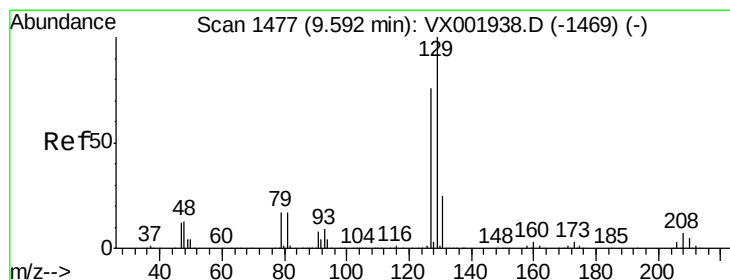
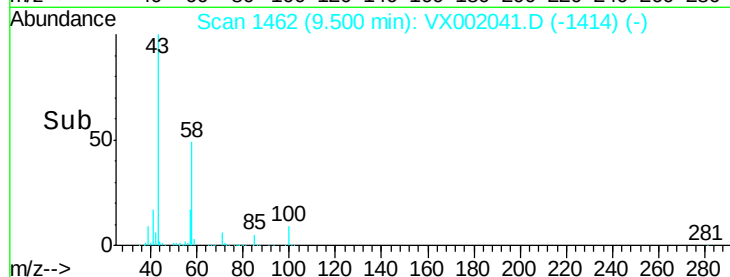
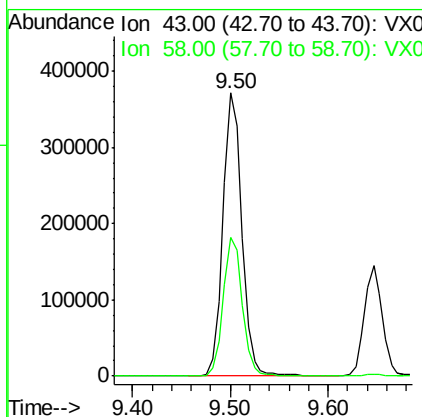
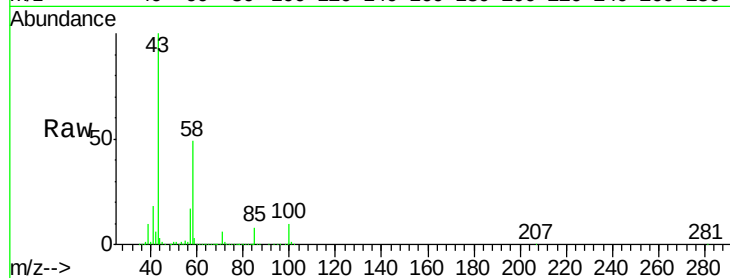
#59
2-Hexanone
Concen: 95.93 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion: 43 Resp: 500765
Ion Ratio Lower Upper
43 100
58 49.4 24.9 74.6

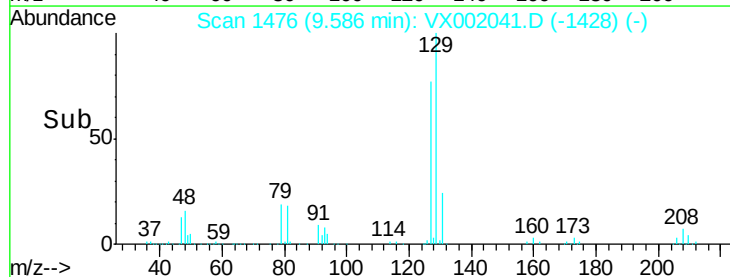
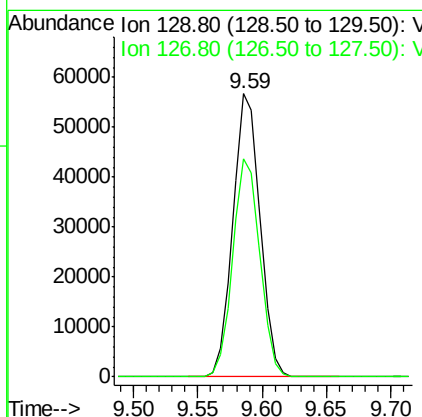
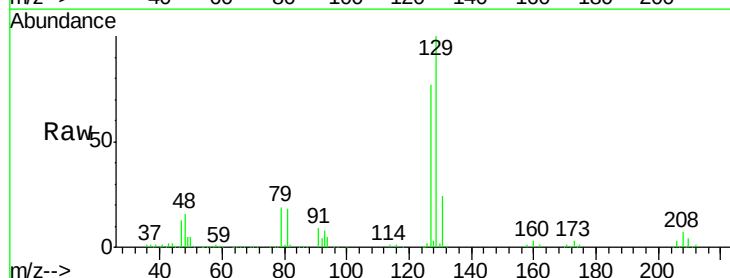
Manual Integrations
APPROVED

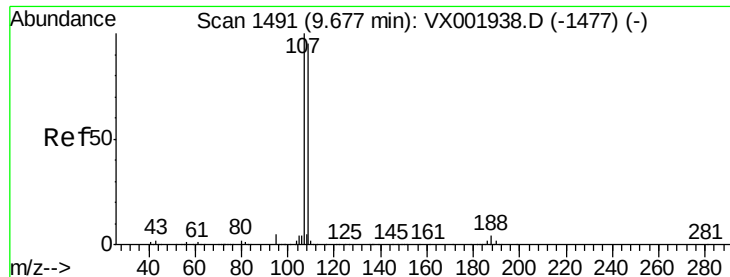
MMDadoda
5/30/2018 1:50:12 PM



#60
Dibromochloromethane
Concen: 17.49 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion: 129 Resp: 83432
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





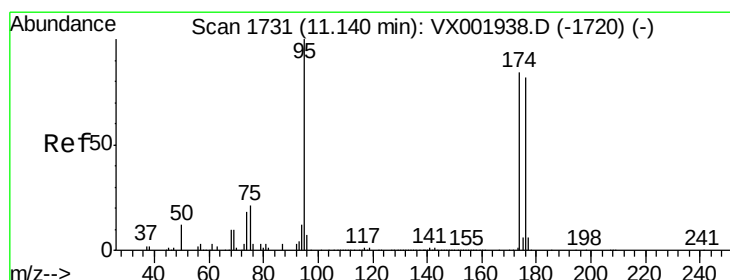
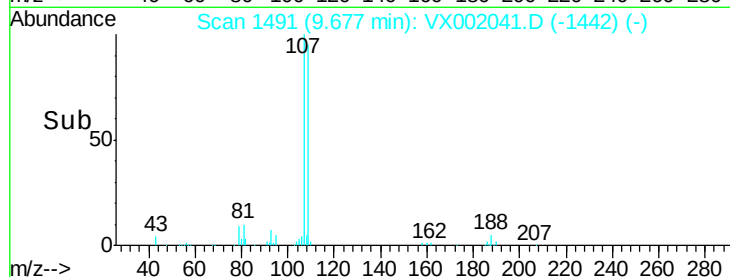
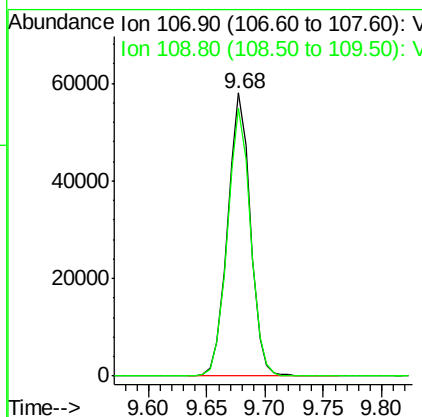
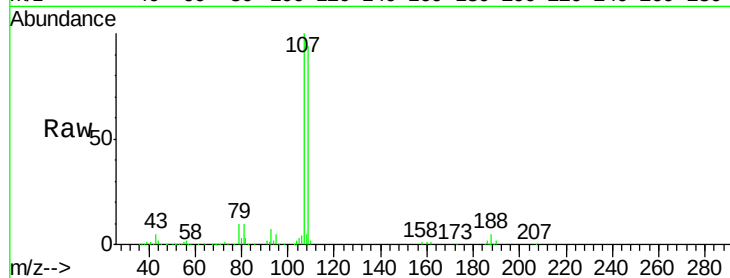
#61
 1,2-Dibromoethane
 Concen: 18.59 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	75.3	112.9

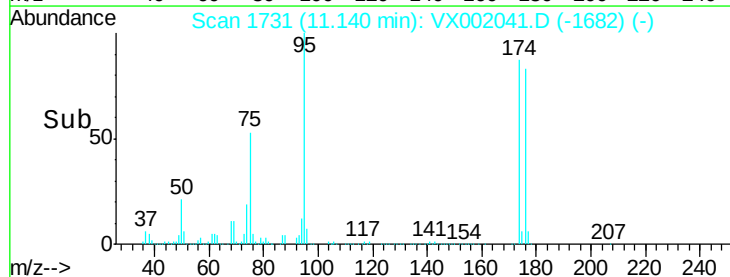
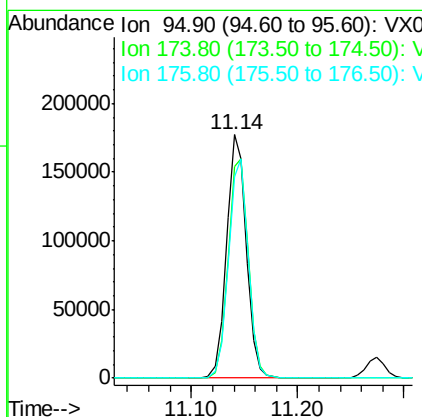
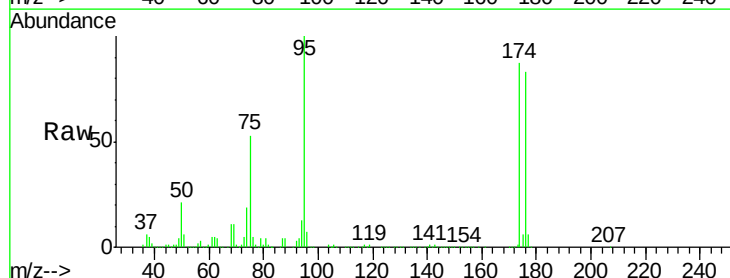
Manual Integrations
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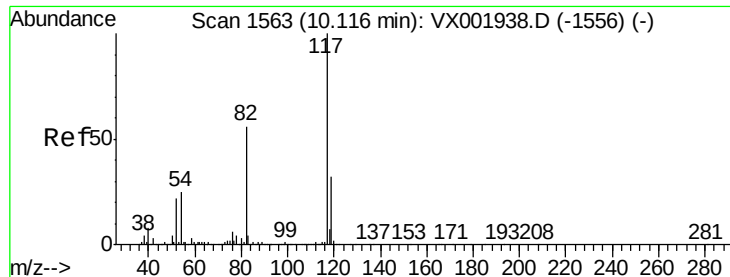
MMDadoda
 5/30/2018 1:50:12 PM



#62
 4-Bromofluorobenzene
 Concen: 43.66 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	178.8
176	90.1	0.0	175.6





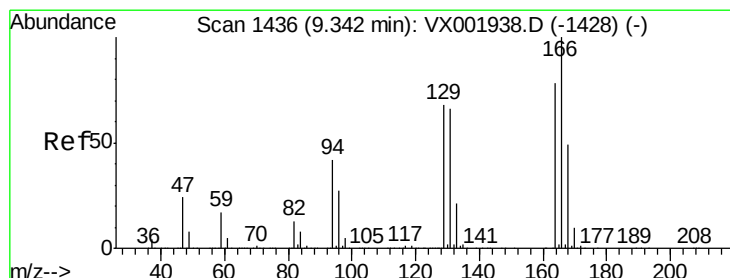
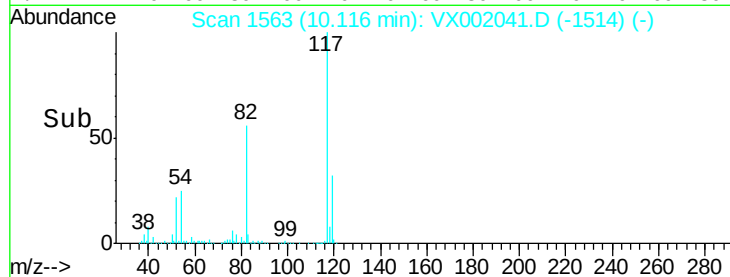
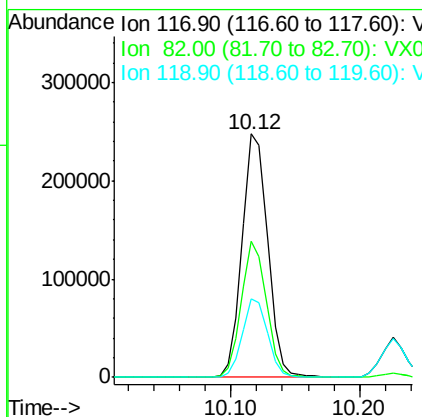
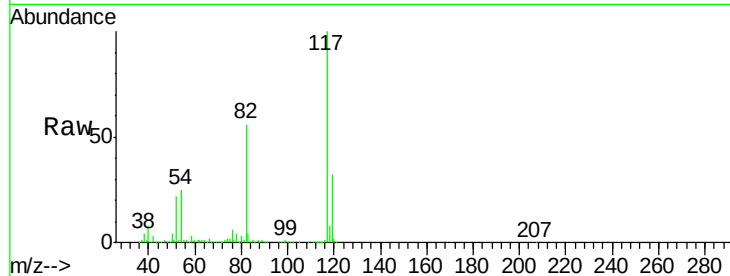
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.8	67.2
119	32.3	25.5	38.3

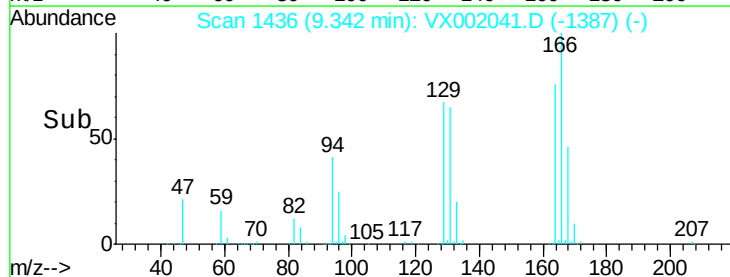
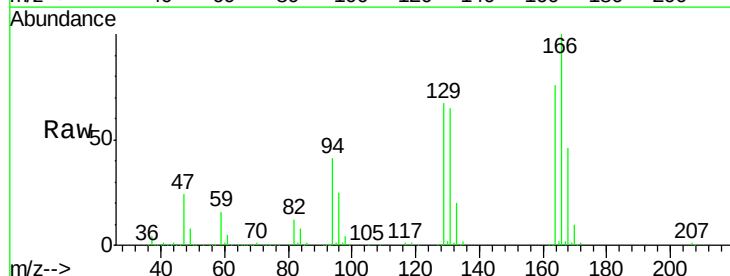
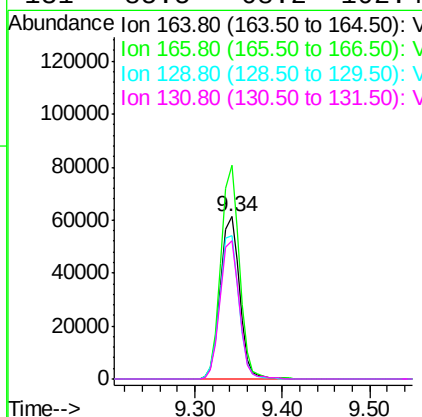
Manual Integrations
APPROVED

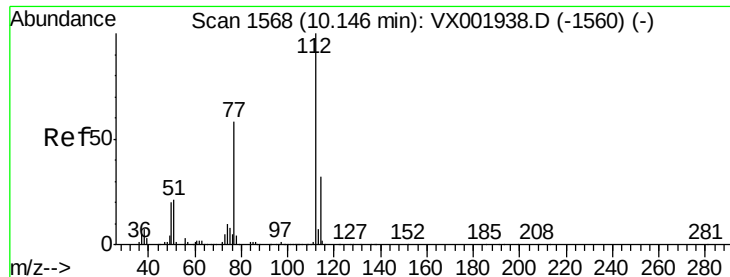
MMDadoda
5/30/2018 1:50:12 PM



#64
Tetrachloroethene
Concen: 18.96 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	102.7	154.1
129	88.5	70.3	105.5
131	85.5	68.2	102.4





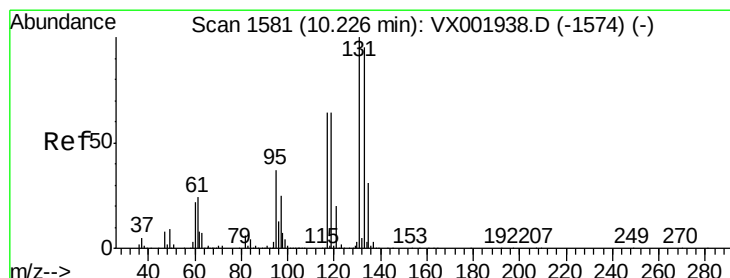
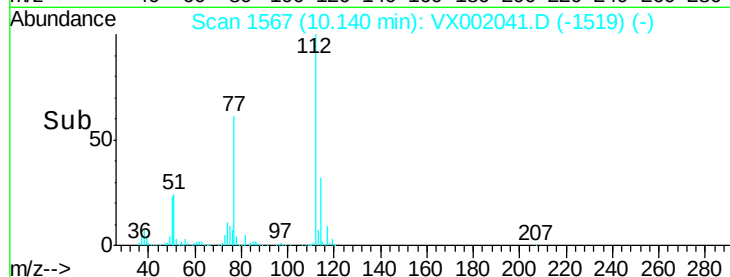
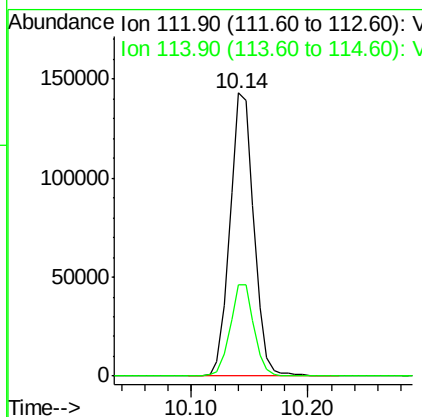
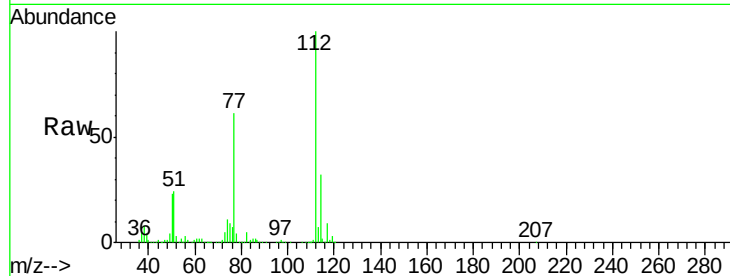
#65
Chlorobenzene
Concen: 18.91 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.9	38.9

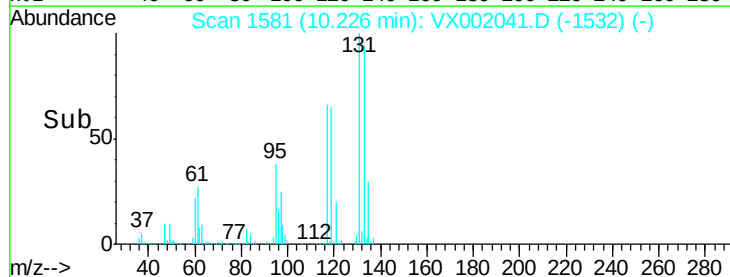
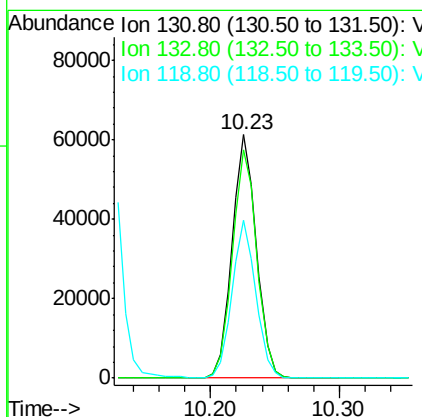
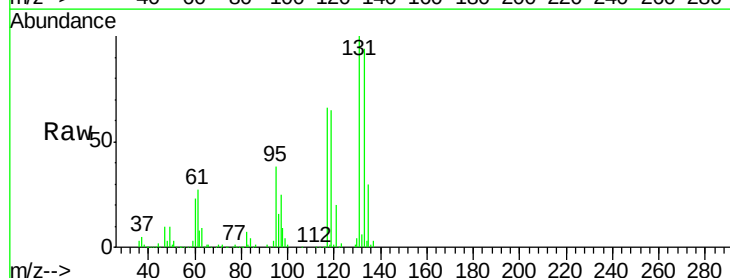
Manual Integrations
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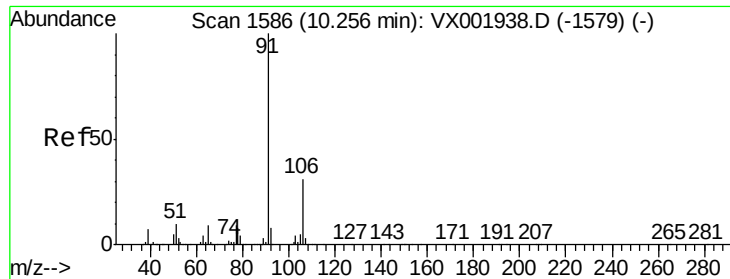
MMDadoda
5/30/2018 1:50:12 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.45 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.0	144.0
119	64.2	31.9	95.5





#67

Ethyl Benzene

Concen: 18.94 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion: 91 Resp: 355919

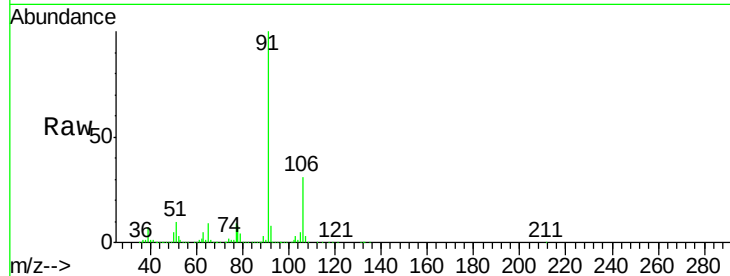
Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.6

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

400000

300000

200000

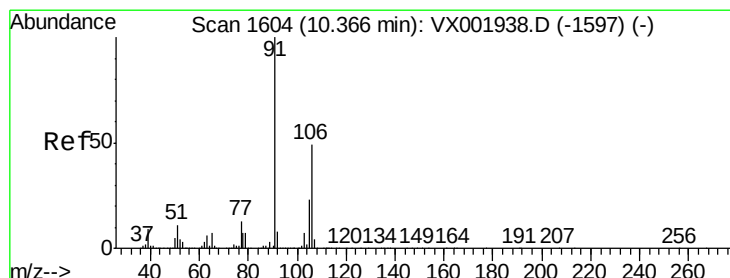
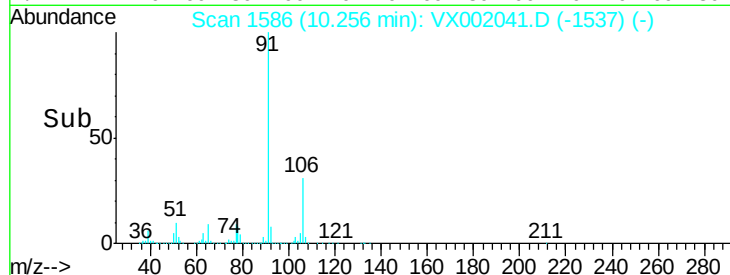
100000

0

10.26

10.30

Time-->



#68

m/p-Xylenes

Concen: 38.04 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX002041.D

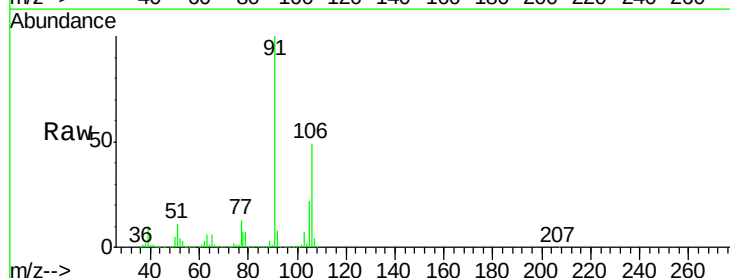
Acq: 27 May 2018 02:05

Tgt Ion: 106 Resp: 273319

Ion Ratio Lower Upper

106 100

91 203.8 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

200000

100000

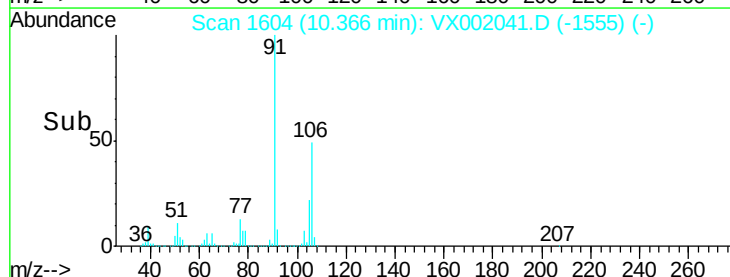
0

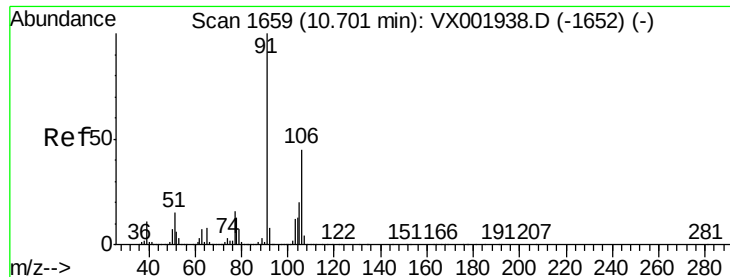
10.37

10.40

10.50

Time-->





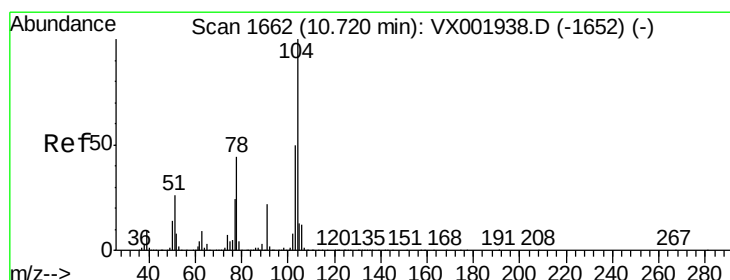
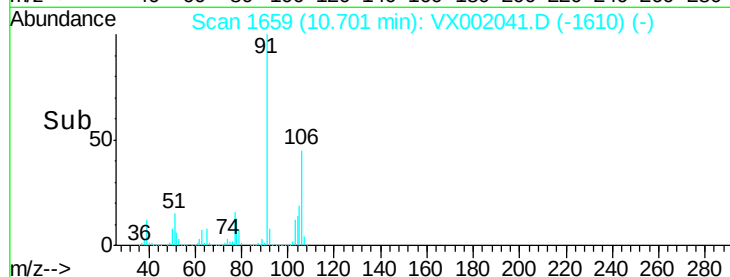
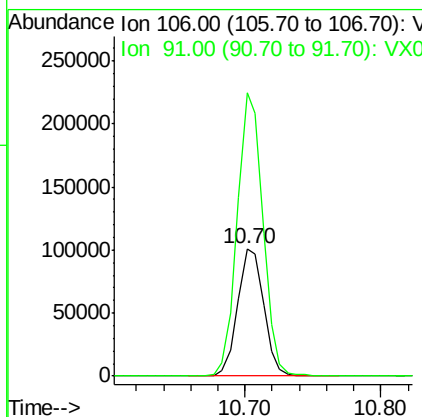
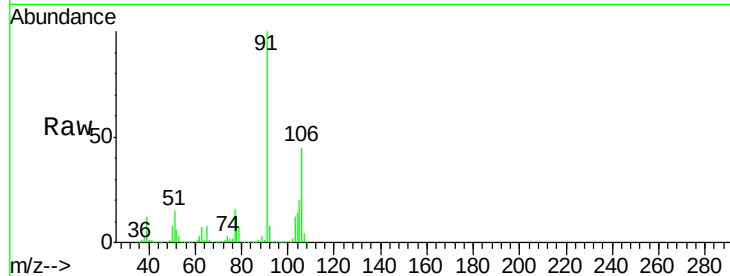
#69
o-Xylene
Concen: 18.86 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.2	108.7	325.9

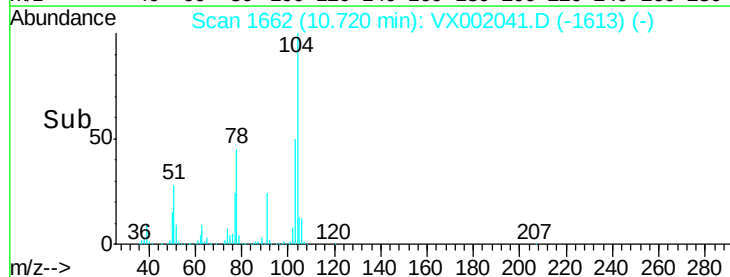
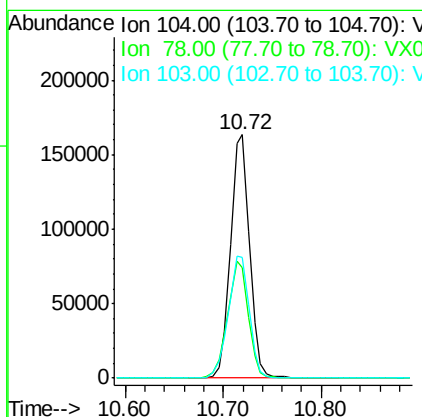
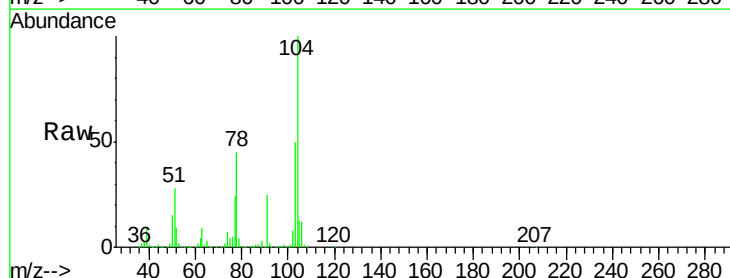
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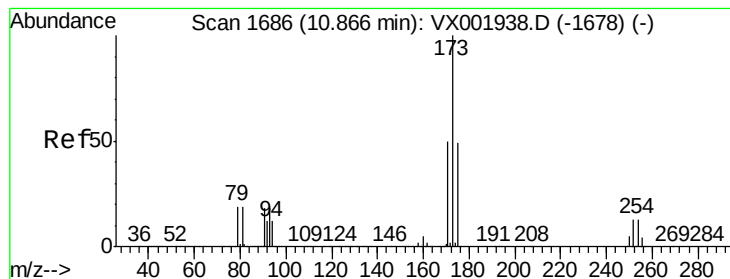
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#70
Styrene
Concen: 18.58 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.6	41.8	62.6
103	55.3	44.6	67.0





#71

Bromoform

Concen: 16.37 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion:173 Resp: 67798

Ion Ratio Lower Upper

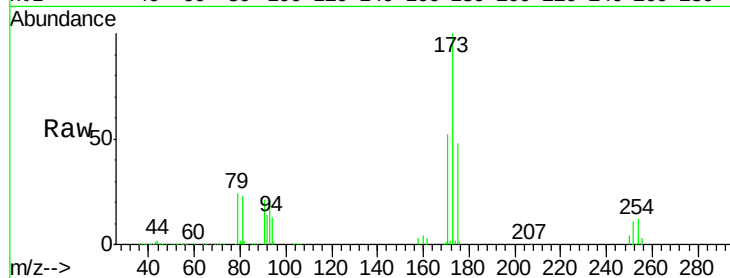
173 100

175 49.1 24.3 72.9

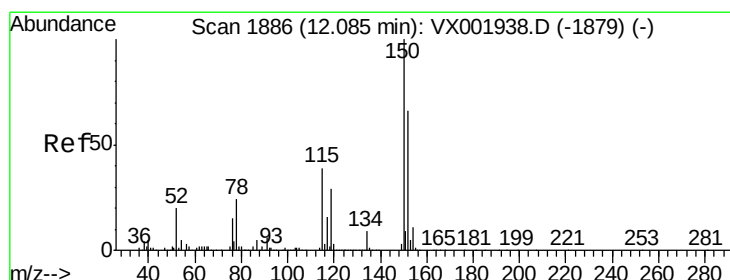
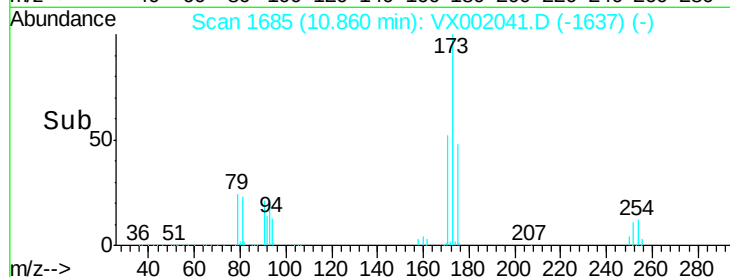
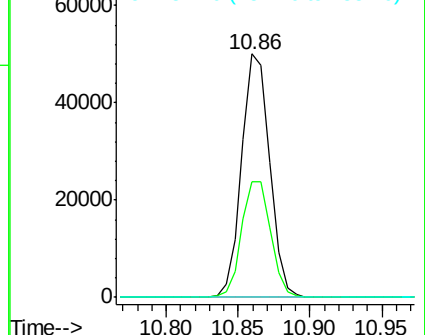
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

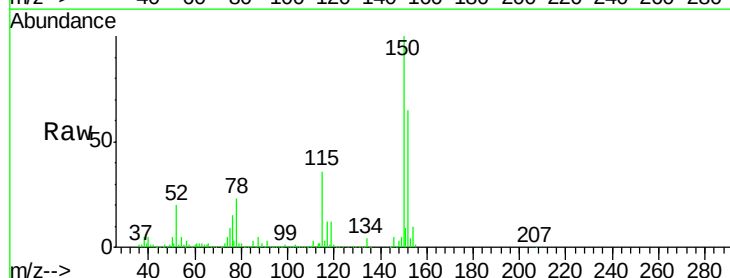
Tgt Ion:152 Resp: 221346

Ion Ratio Lower Upper

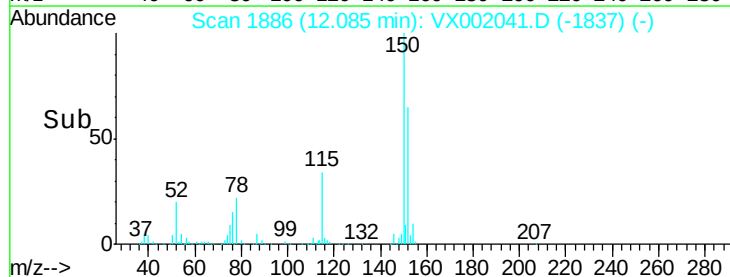
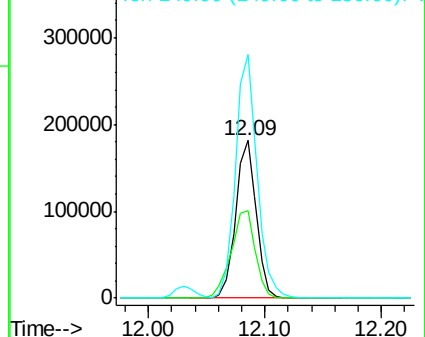
152 100

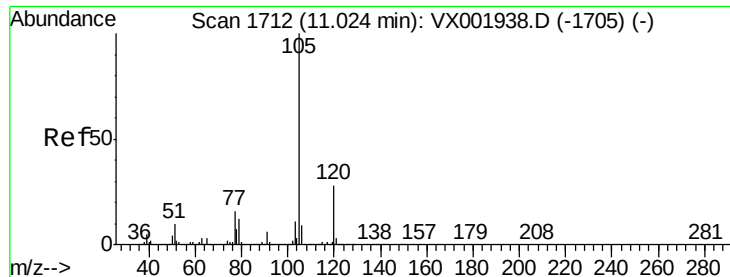
115 66.2 42.3 126.8

150 163.8 0.0 351.0



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: 19.35 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion:105 Resp: 362667

Ion Ratio Lower Upper

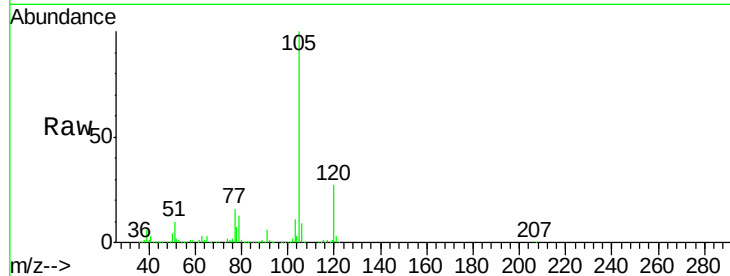
105 100

120 26.9 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

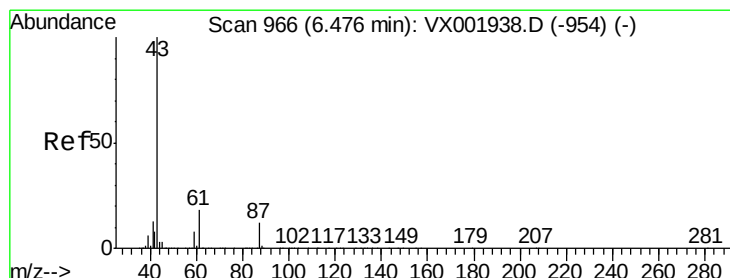
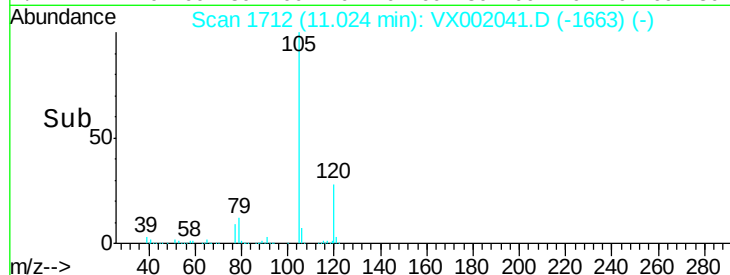
200000

100000

0

11.02

Time-->



#74

N-ethyl acetate

Concen: 19.34 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Tgt Ion: 43 Resp: 206903

Ion Ratio Lower Upper

43 100

70 0.1 0.1 0.1#

55 0.0 0.1 0.1#

61 17.9 14.5 21.7

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

120000

100000

80000

60000

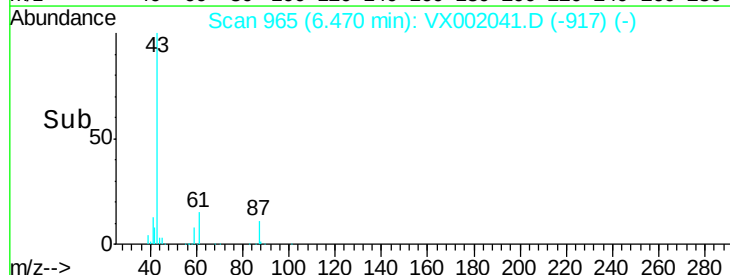
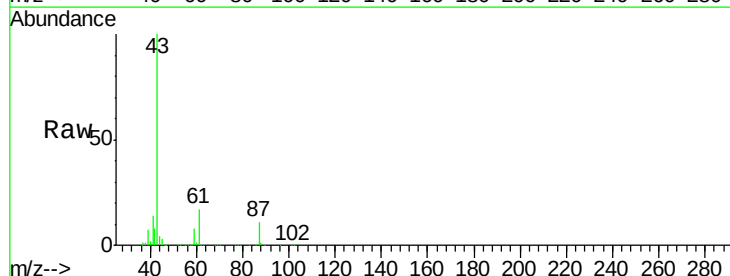
40000

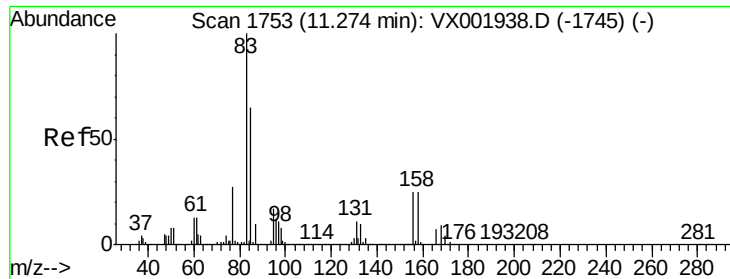
20000

0

6.47

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.66 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion: 83 Resp: 109742

Ion Ratio Lower Upper

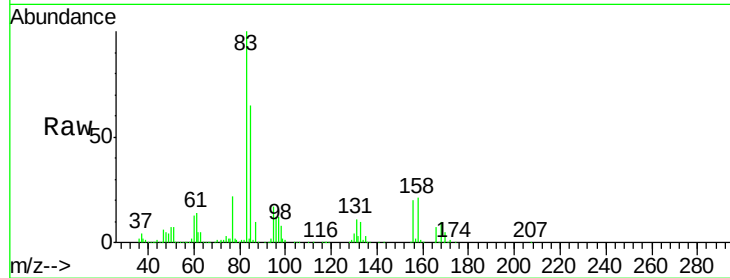
83 100

131 11.2 5.7 17.0

85 64.9 32.6 97.7

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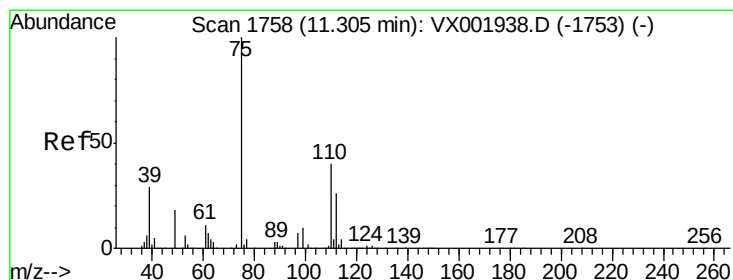
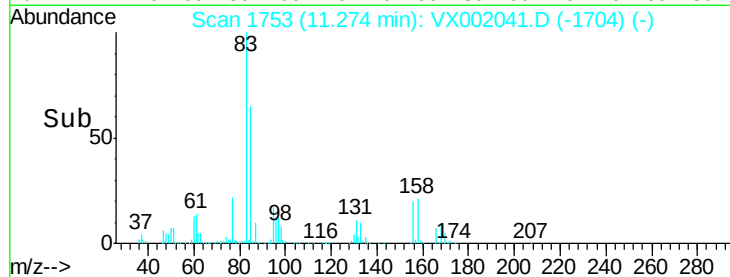
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.27

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.27 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002041.D

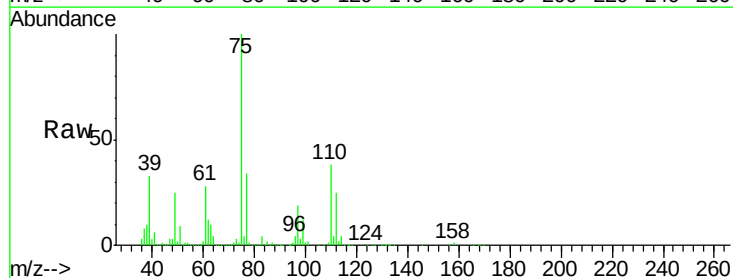
Acq: 27 May 2018 02:05

Tgt Ion: 75 Resp: 113067

Ion Ratio Lower Upper

75 100

77 38.9 22.8 68.3

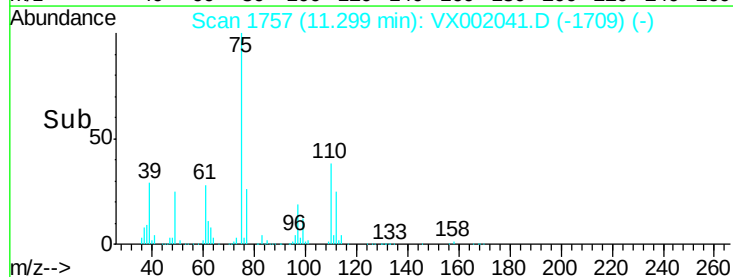


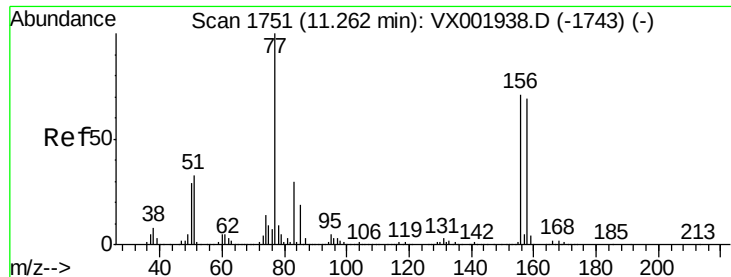
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.30

Time-->





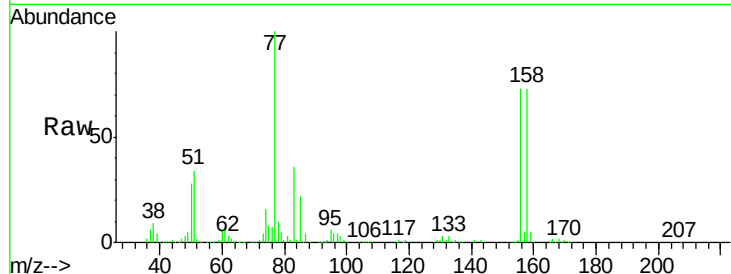
#77
Bromobenzene
Concen: 19.40 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

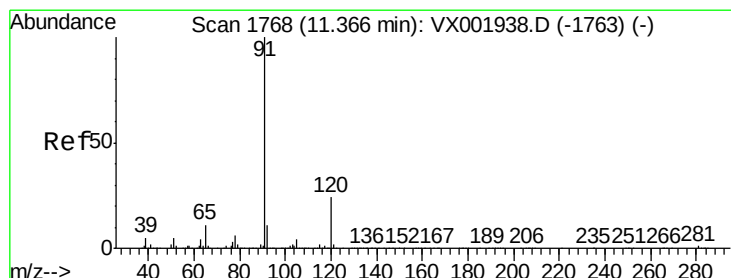
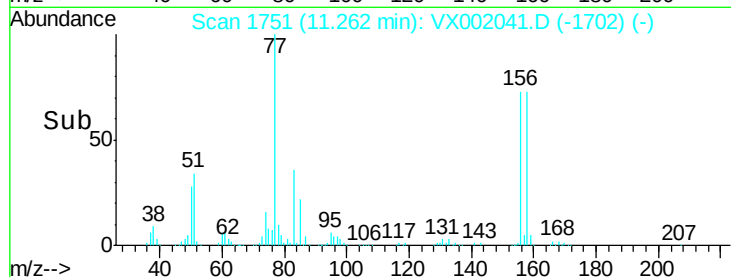
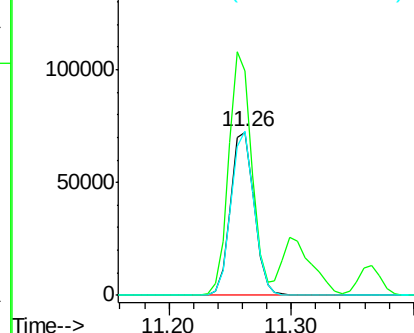
Tot Ion	Ratio	Lower	Upper
156	100		
77	145.1	75.2	225.6
158	98.3	48.6	145.8

Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:12 PM

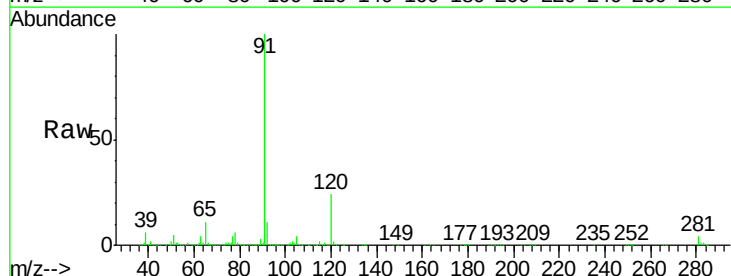


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V

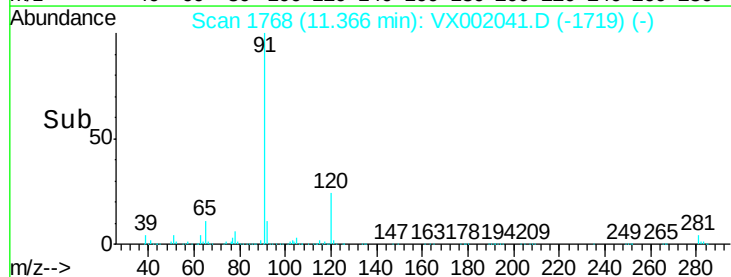
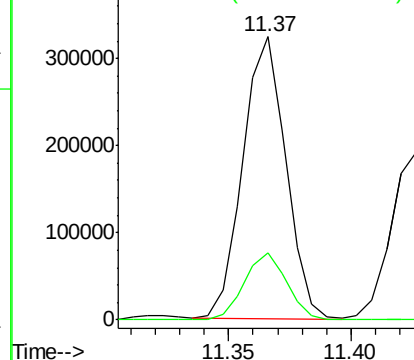


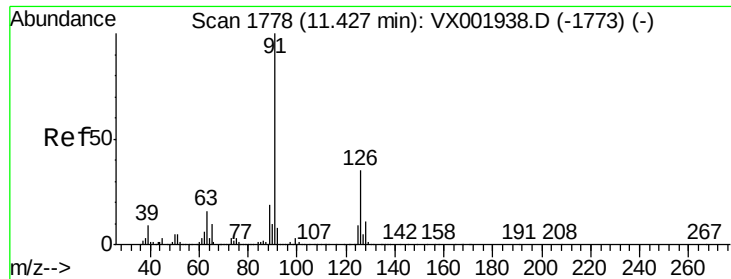
#78
n-propylbenzene
Concen: 18.87 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.71 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion: 91 Resp: 243080

Ion Ratio Lower Upper

91 100

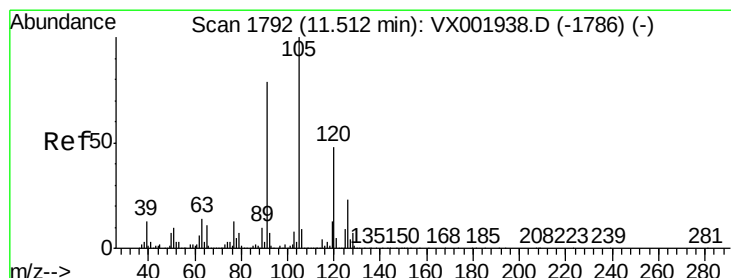
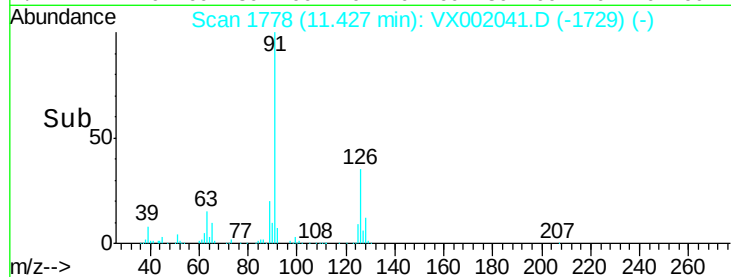
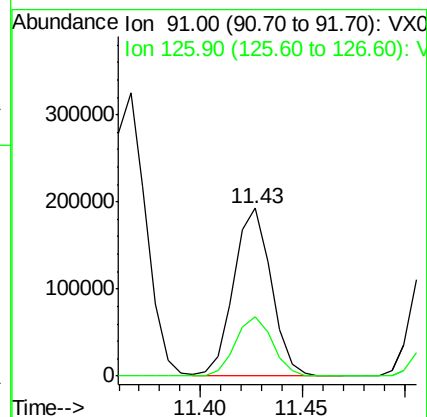
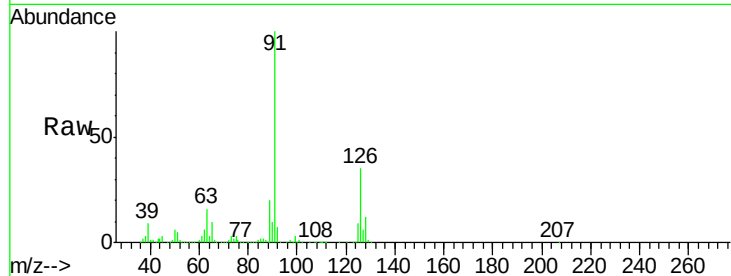
126 35.6 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.84 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002041.D

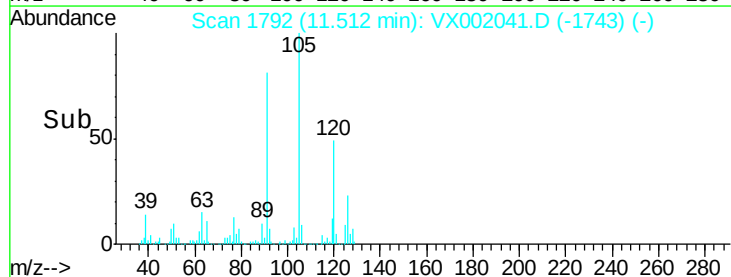
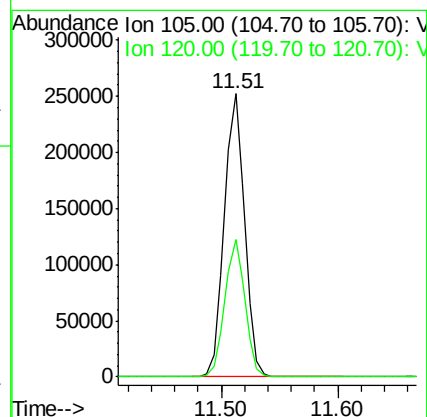
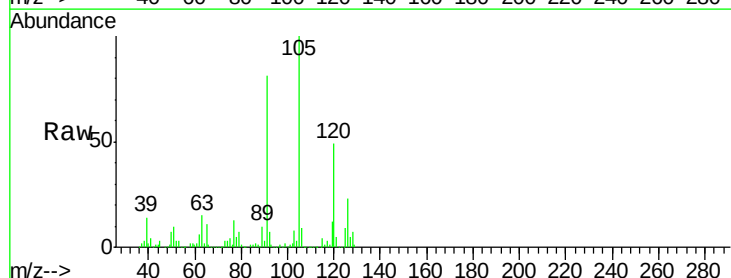
Acq: 27 May 2018 02:05

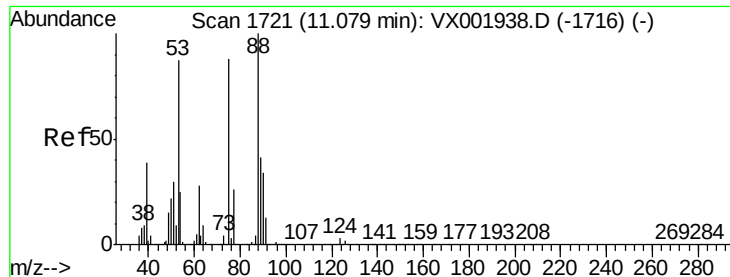
Tgt Ion: 105 Resp: 301781

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4





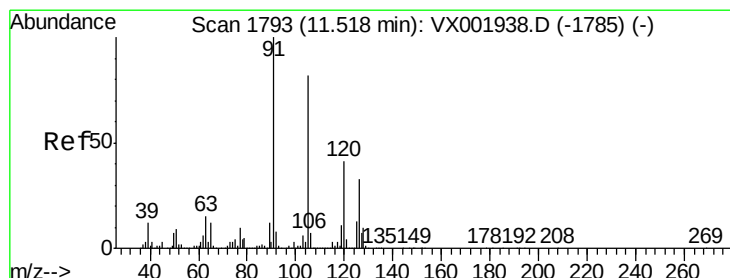
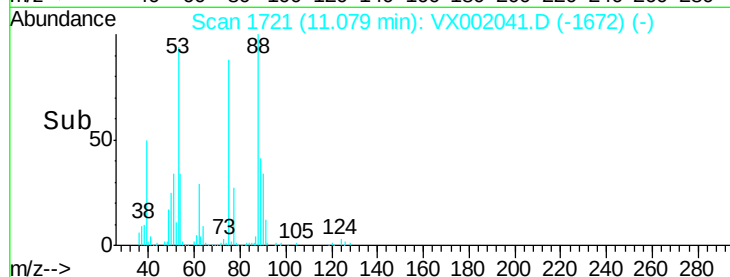
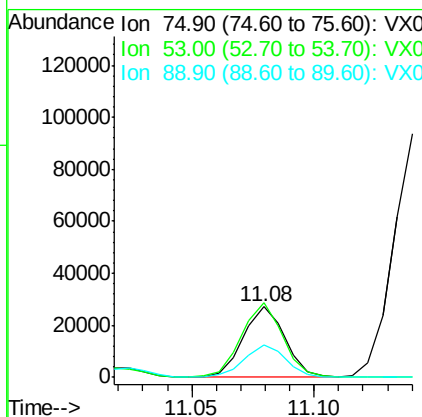
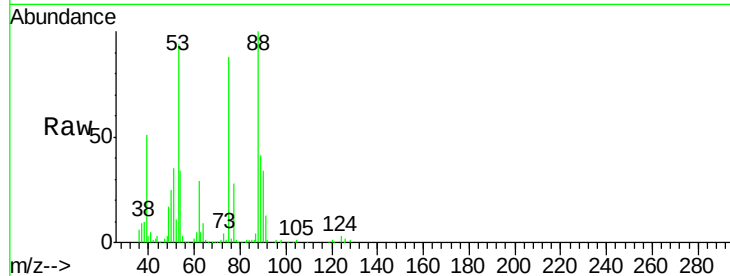
#81
trans-1,4-Dichloro-2-butene
Concen: 14.55 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.6	78.0	117.0
89	46.7	39.4	59.2

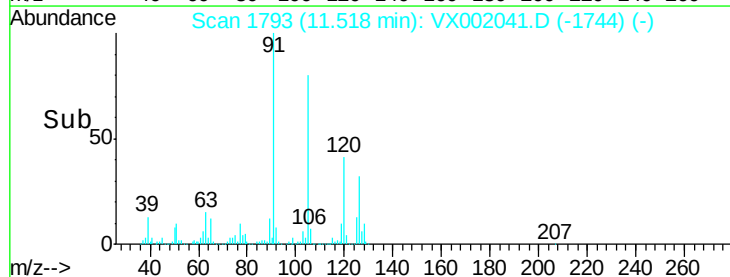
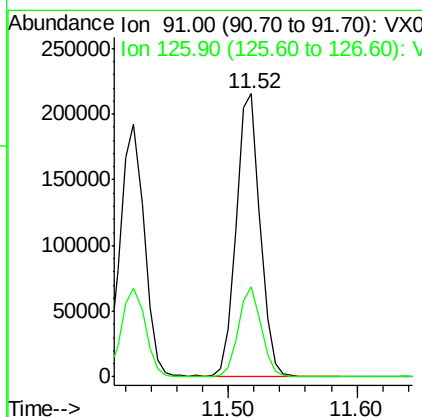
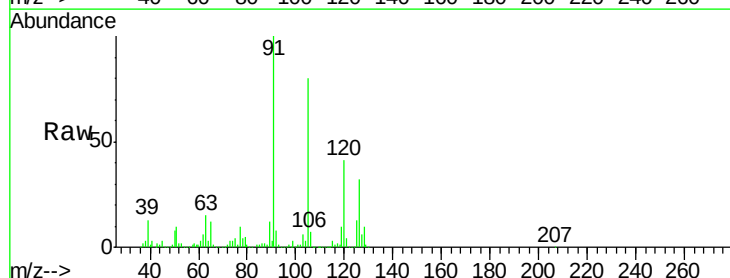
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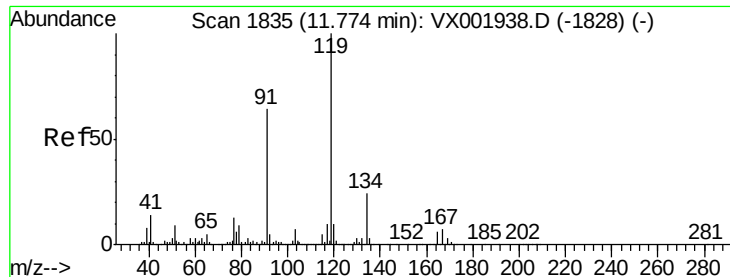
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#82
4-Chlorotoluene
Concen: 18.83 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.3	45.8





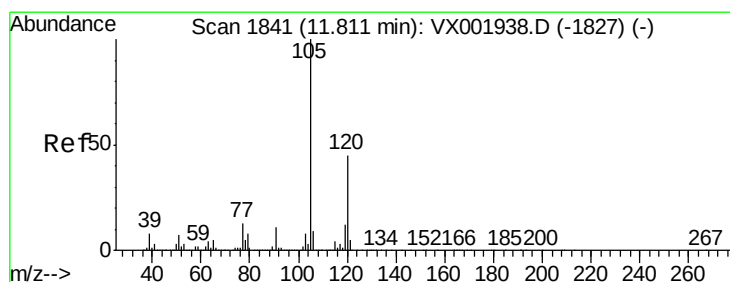
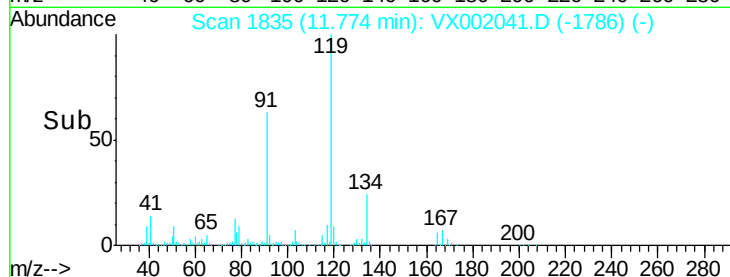
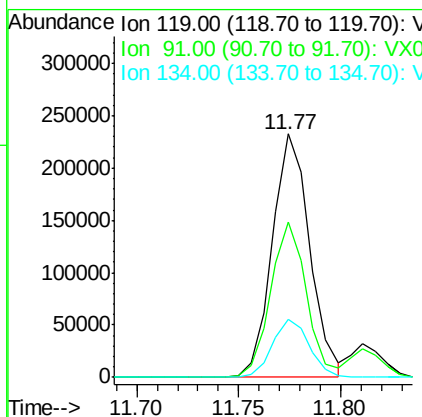
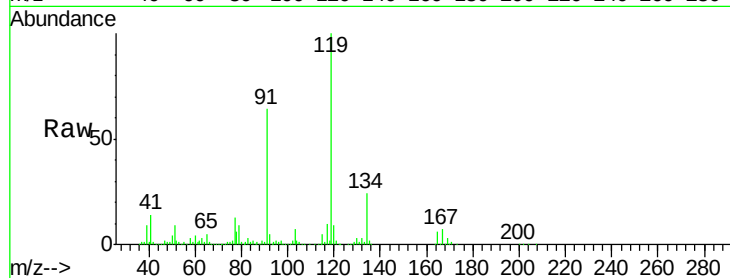
#83
 tert-Butylbenzene
 Concen: 18.97 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.6	91.8
134	23.5	11.7	35.0

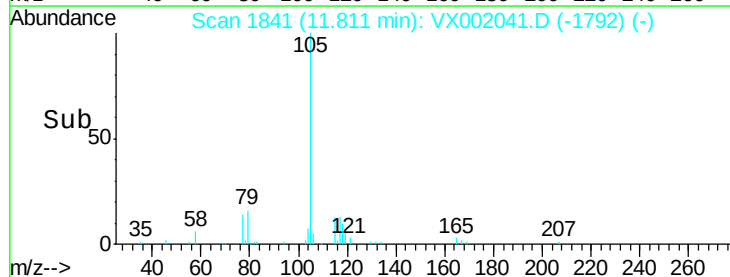
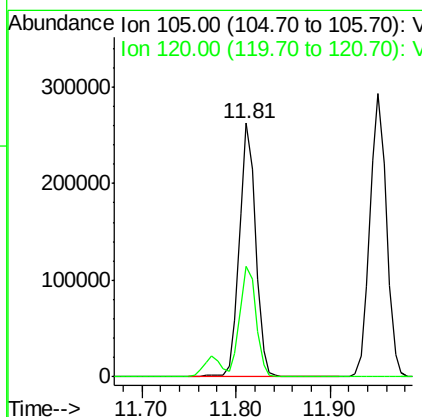
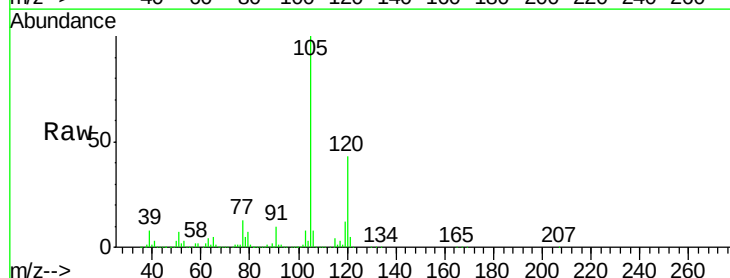
Manual Integrations
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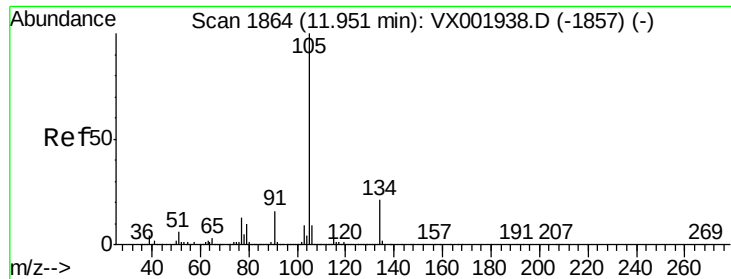
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 5/30/2018 1:50:12 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.00 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.5





#85

sec-Butylbenzene

Concen: 18.98 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBS02

Tot Ion:105 Resp: 358694

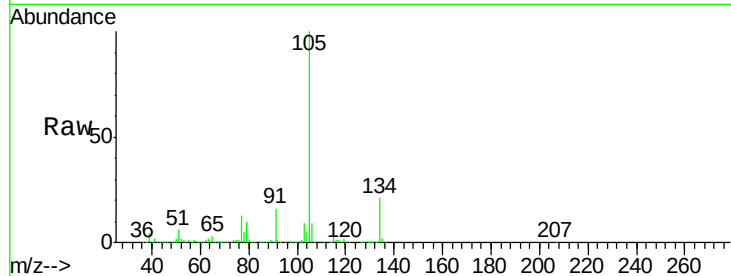
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.4

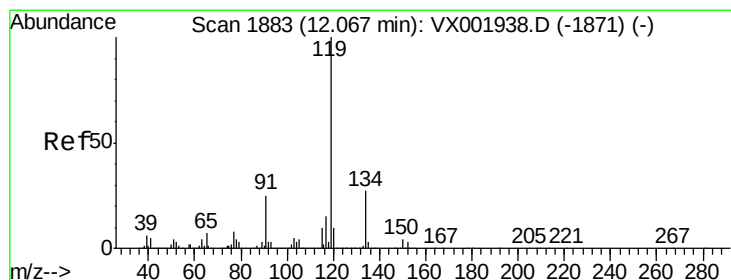
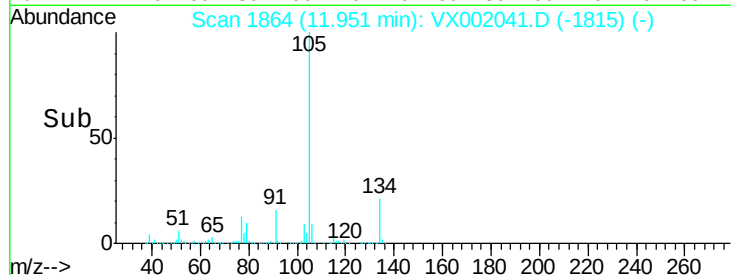
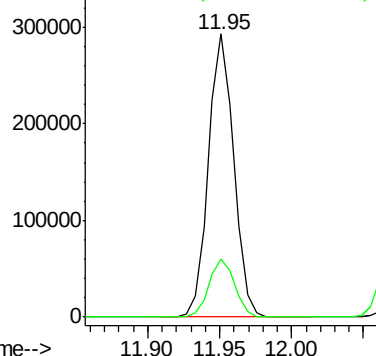
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.55 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

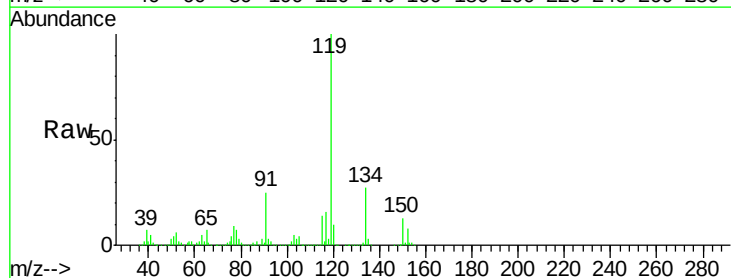
Tgt Ion:119 Resp: 313726

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

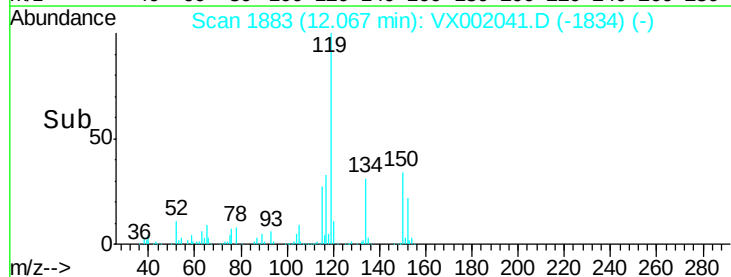
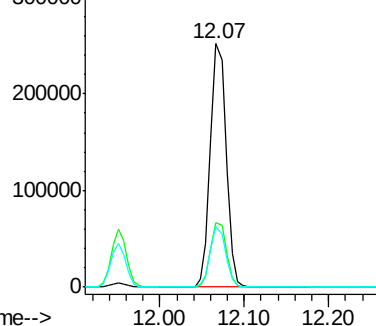
91 24.4 12.2 36.4

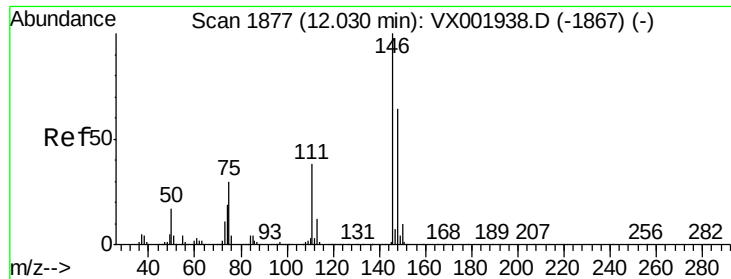


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





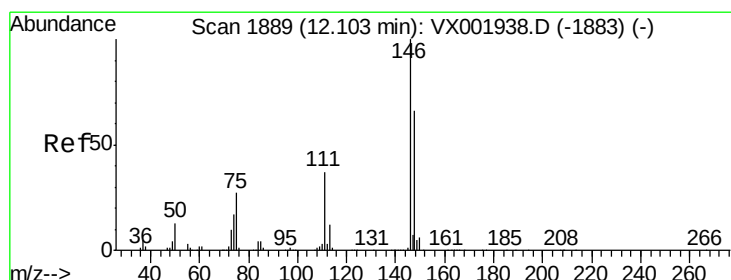
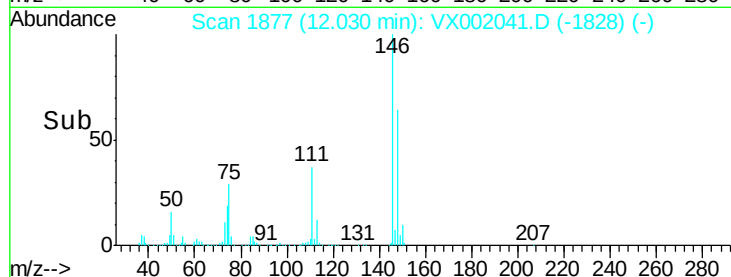
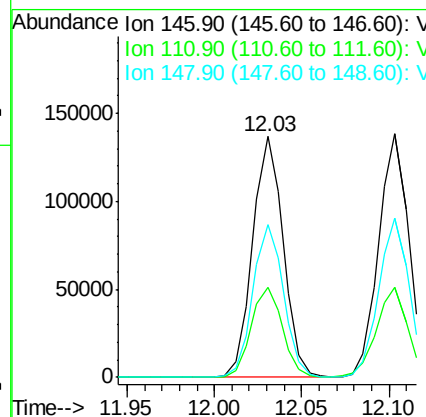
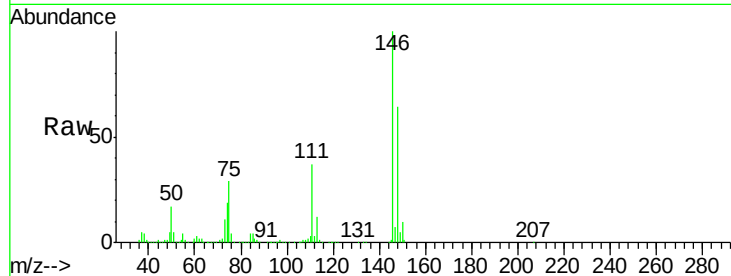
#87
 1,3-Dichlorobenzene
 Concen: 18.81 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.8
148	63.5	32.1	96.3

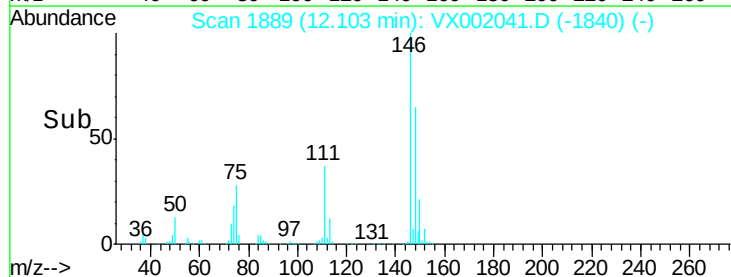
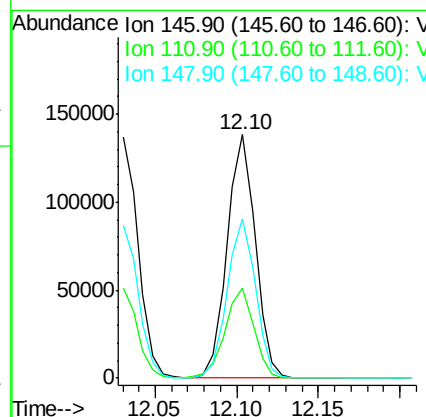
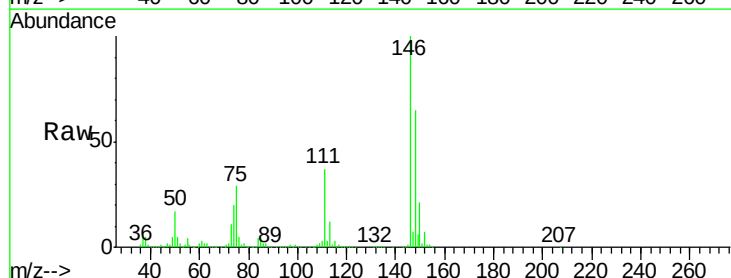
Manual Integrations
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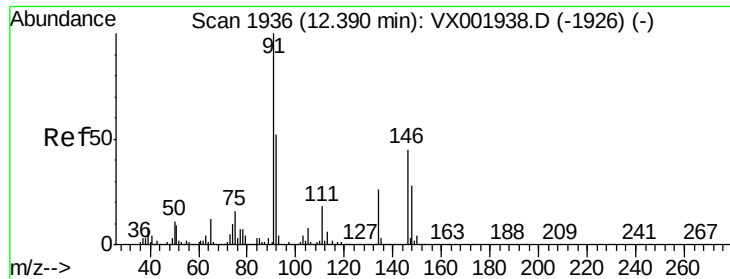
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 5/30/2018 1:50:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.65 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	66.0	32.3	96.8





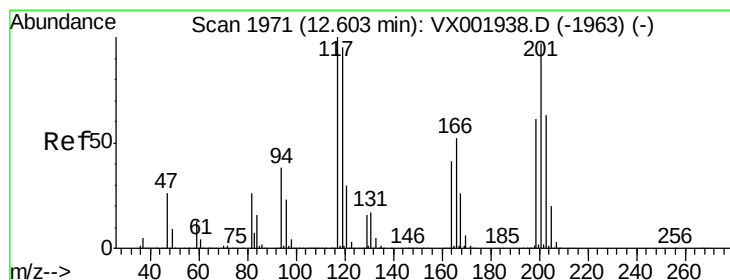
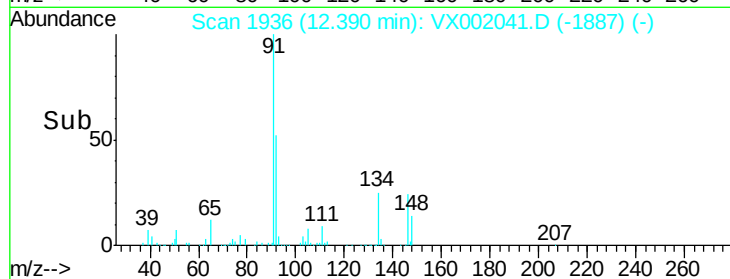
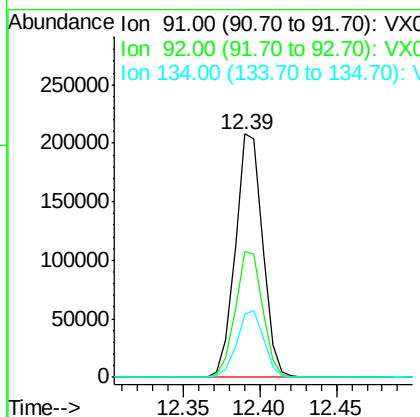
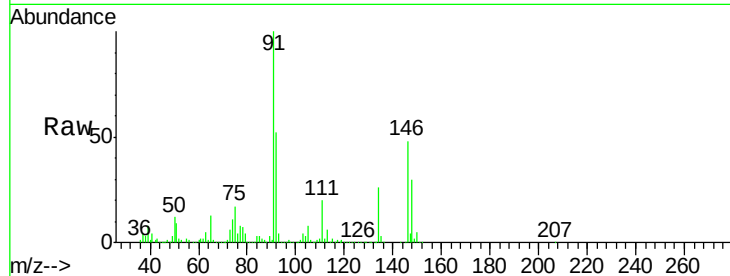
#89
n-Butylbenzene
Concen: 17.87 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	27.0	13.6	40.7

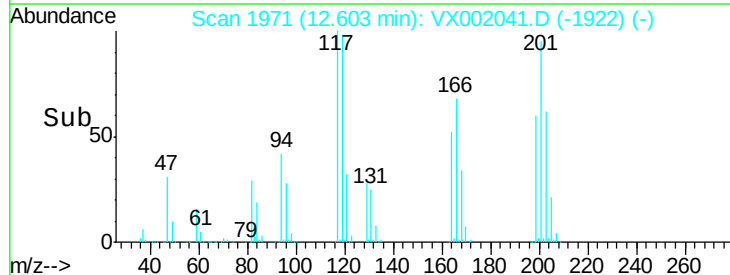
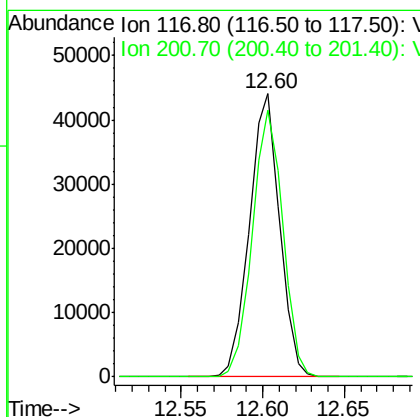
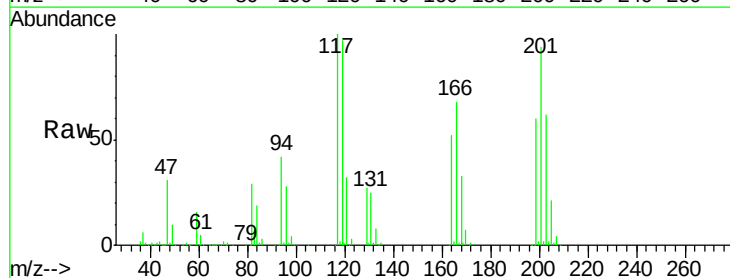
Manual Integrations
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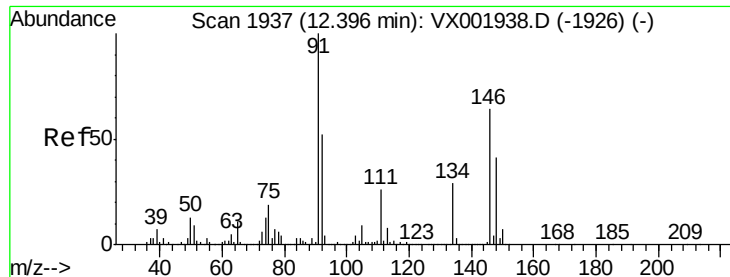
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#90
Hexachloroethane
Concen: 17.09 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002041.D
Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.5	48.0	144.0





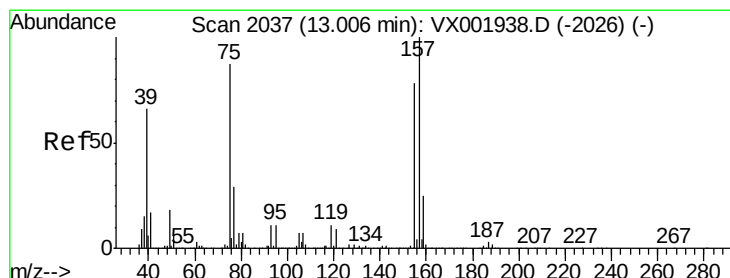
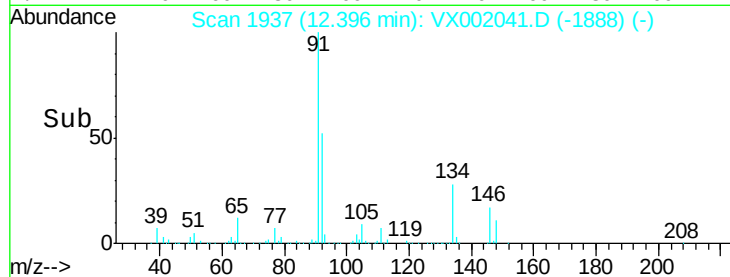
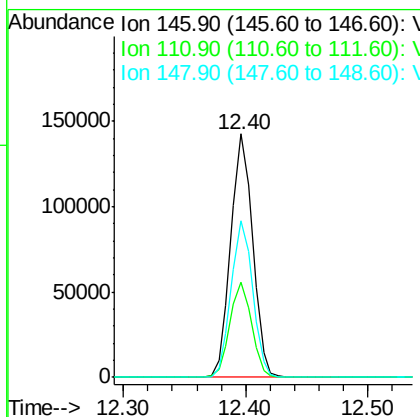
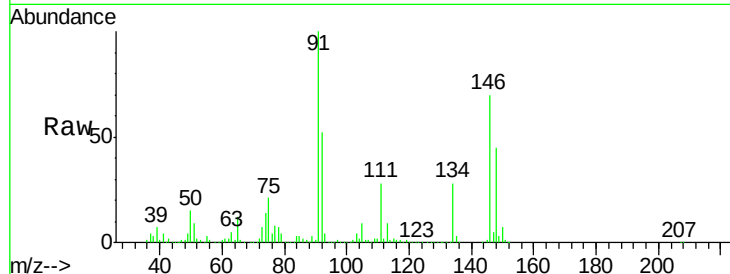
#91
 1,2-Dichlorobenzene
 Concen: 19.36 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.3
148	63.6	32.1	96.5

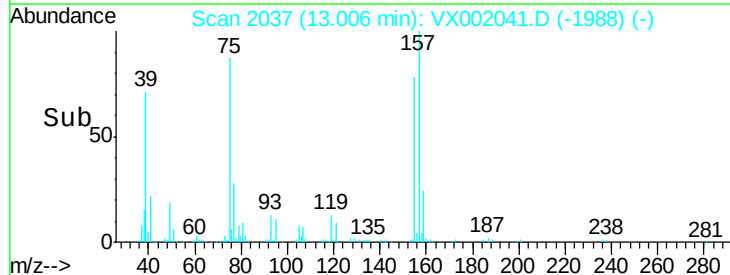
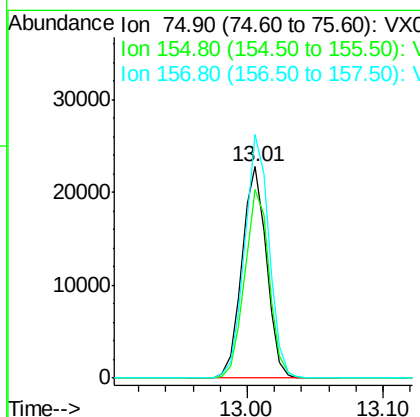
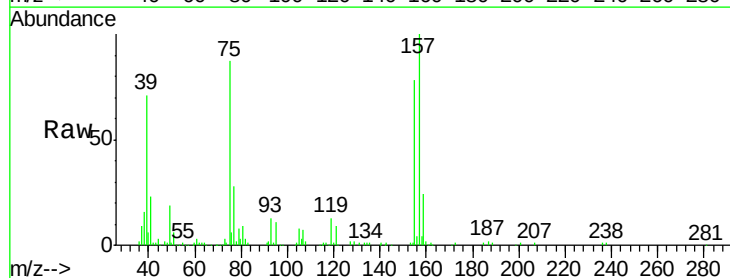
Manual Integrations
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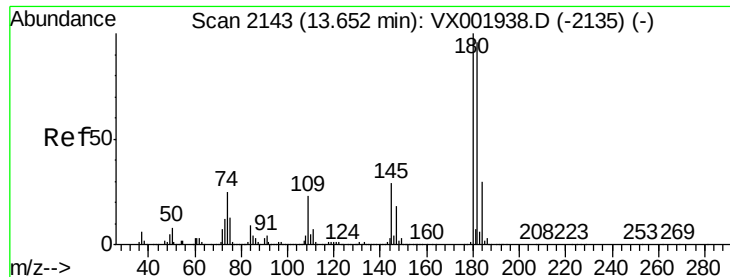
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 5/30/2018 1:50:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.22 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	45.1	135.2
157	114.8	58.1	174.2





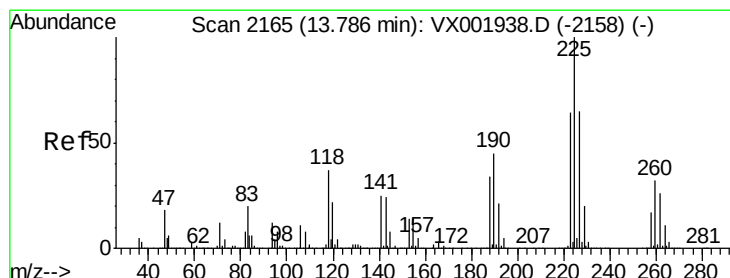
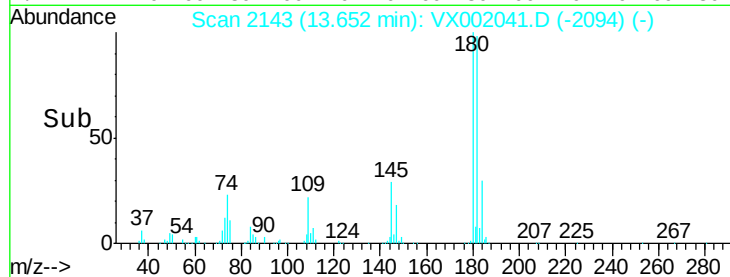
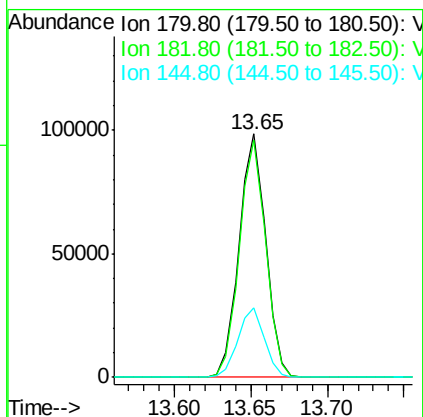
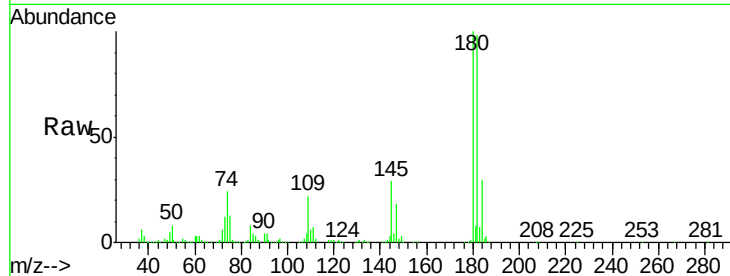
#93
 1,2,4-Trichlorobenzene
 Concen: 18.29 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118666		
182	96.6	47.7	143.1	
145	28.8	14.4	43.0	

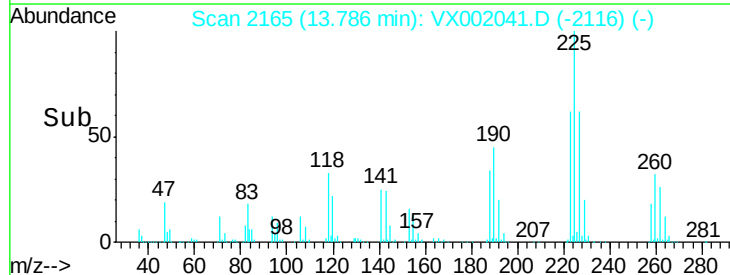
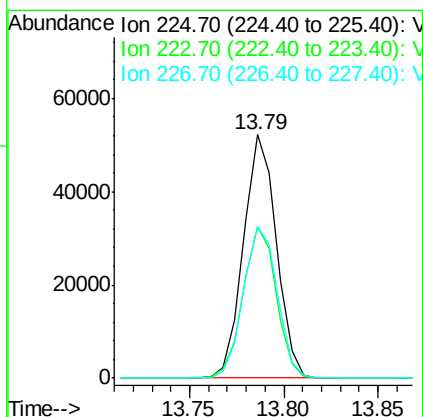
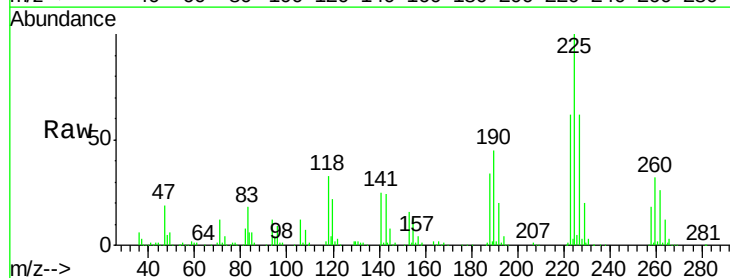
Manual Integrations
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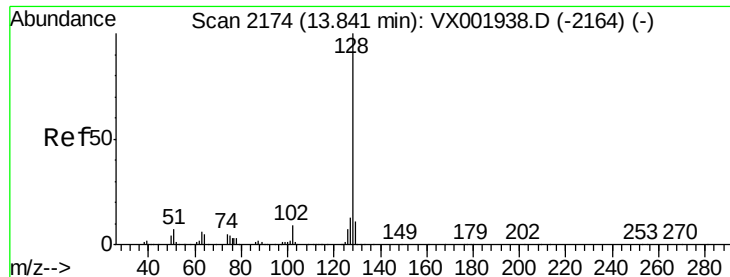
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 18.16 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002041.D
 Acq: 27 May 2018 02:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63372		
223	62.4	31.1	93.5	
227	63.7	32.1	96.5	





#95

Naphthalene

Concen: 19.05 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Instrument :

MSVOA_X

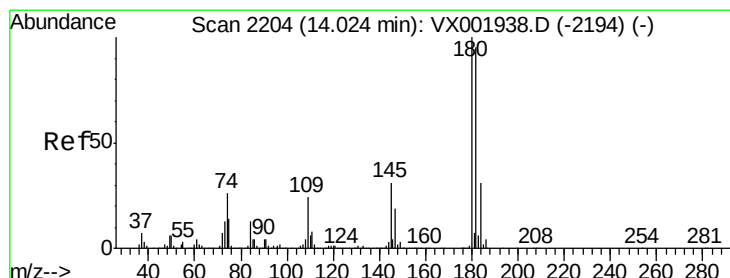
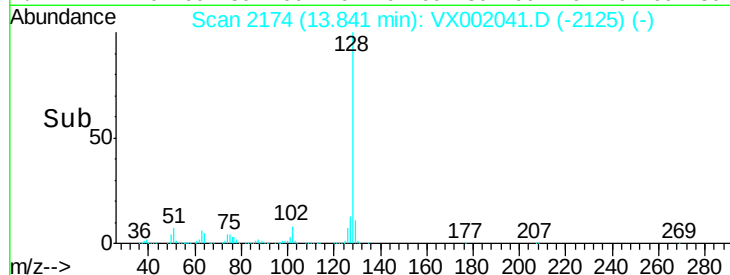
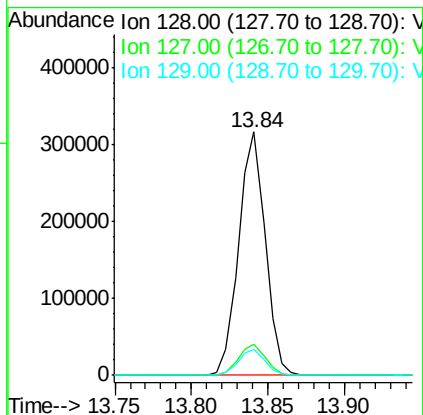
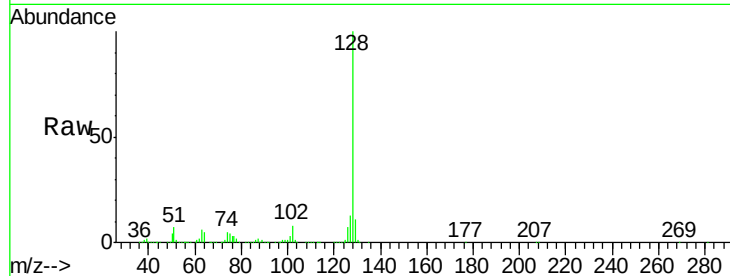
ClientSampleId :

VX0526WBS02

Tot Ion:	128	Resp:	380898
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:12 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.77 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002041.D

Acq: 27 May 2018 02:05

Tgt Ion:	180	Resp:	126031
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.6
145	30.2	15.1	45.3

