

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
 Data File : VX001983.D
 Acq On : 25 May 2018 17:56
 Operator : JC/MD
 Sample : VX0525WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2018 4:39:23 PM

Quant Time: May 26 03:32:25 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	272051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	389622	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	239246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	251258	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	5.51	113	192618	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	8.72	98	703384	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.14	95	274500	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	70159	19.361	ug/l	97
3) Chloromethane	1.32	50	83017	19.833	ug/l	99
4) Vinyl Chloride	1.41	62	81449	20.153	ug/l	99
5) Bromomethane	1.64	94	50459	26.674	ug/l	98
6) Chloroethane	1.72	64	50015	20.992	ug/l	100
7) Trichlorofluoromethane	1.93	101	128812	21.223	ug/l	97
8) Diethyl Ether	2.19	74	50290	22.836	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71992	21.256	ug/l	98
10) Methyl Iodide	2.51	142	103147	22.508	ug/l	99
11) Tert butyl alcohol	3.09	59	116763	122.322	ug/l	99
12) 1,1-Dichloroethene	2.37	96	65420	20.631	ug/l	96
13) Acrolein	2.30	56	38455	93.175	ug/l	97
14) Allyl chloride	2.73	41	144805	21.755	ug/l	99
15) Acrylonitrile	3.15	53	223918	114.074	ug/l	100
16) Acetone	2.45	43	220723	117.609	ug/l	100
17) Carbon Disulfide	2.57	76	184097	20.172	ug/l	100
18) Methyl Acetate	2.78	43	114491	24.750	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	266998	22.387	ug/l	100
20) Methylene Chloride	2.86	84	77717	23.017	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	70373	21.908	ug/l	98
22) Diisopropyl ether	3.88	45	284143	20.987	ug/l	99
23) Vinyl Acetate	3.83	43	1270579	113.188	ug/l	98
24) 1,1-Dichloroethane	3.70	63	142091	22.093	ug/l	100
25) 2-Butanone	4.71	43	360496	104.803	ug/l	98
26) 2,2-Dichloropropane	4.59	77	120812	18.559	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	83622	20.223	ug/l	94
28) Bromochloromethane	5.03	49	65827	23.265	ug/l	100
29) Tetrahydrofuran	5.17	42	233084	104.150	ug/l	99
30) Chloroform	5.22	83	143343	19.783	ug/l	98
31) Cyclohexane	5.58	56	126761	18.918	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	131370	19.448	ug/l	99
36) 1,1-Dichloropropene	5.81	75	102535	18.920	ug/l	98
37) Ethyl Acetate	4.87	43	140175	19.840	ug/l	100
38) Carbon Tetrachloride	5.79	117	118142	18.694	ug/l	98

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Quant Time: May 26 03:32:25 2018
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 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)
39) Methylcyclohexane	7.46	83	124634	18.719	ug/l	99
40) Benzene	6.15	78	312898	19.707	ug/l	100
41) Methacrylonitrile	5.07	41	78965	20.372	ug/l	98
42) 1,2-Dichloroethane	6.21	62	122978	19.391	ug/l	100
43) Isopropyl Acetate	6.48	43	235552	20.009	ug/l	100
44) Trichloroethene	7.22	130	90166	19.488	ug/l	99
45) 1,2-Dichloropropane	7.52	63	85934	19.930	ug/l	99
46) Dibromomethane	7.67	93	57985	20.311	ug/l	99
47) Bromodichloromethane	7.90	83	115820	19.027	ug/l	99
48) Methyl methacrylate	7.79	41	119489	19.942	ug/l	98
49) 1,4-Dioxane	7.76	88	45035	426.526	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	737117	103.868	ug/l	99
52) Toluene	8.79	92	197269	19.523	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	136215	19.429	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	132045	19.329	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	83689	19.826	ug/l	97
56) Ethyl methacrylate	9.19	69	140715	19.381	ug/l	99
57) 1,3-Dichloropropane	9.38	76	140465	20.200	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	332999	103.479	ug/l	100
59) 2-Hexanone	9.50	43	570299	104.221	ug/l	99
60) Dibromochloromethane	9.59	129	94904	18.982	ug/l	100
61) 1,2-Dibromoethane	9.68	107	88137	19.899	ug/l	100
64) Tetrachloroethene	9.34	164	99029	19.180	ug/l	98
65) Chlorobenzene	10.15	112	222386	19.492	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	86410	18.756	ug/l	99
67) Ethyl Benzene	10.26	91	387324	19.540	ug/l	99
68) m/p-Xylenes	10.37	106	293227	38.697	ug/l	100
69) o-Xylene	10.71	106	145817	19.273	ug/l	99
70) Styrene	10.72	104	245712	19.583	ug/l	100
71) Bromoform	10.86	173	80217	18.363	ug/l #	100
73) Isopropylbenzene	11.02	105	390395	19.270	ug/l	99
74) N-amyl acetate	6.48	43	235552	20.555	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	119030	20.741	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	130567m	22.721	ug/l	
77) Bromobenzene	11.26	156	105215	19.574	ug/l	98
78) n-propylbenzene	11.37	91	446843	19.693	ug/l	99
79) 2-Chlorotoluene	11.43	91	265266	19.924	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	333107	19.240	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	42850	17.921	ug/l	97
82) 4-Chlorotoluene	11.52	91	308948	19.305	ug/l	99
83) tert-Butylbenzene	11.77	119	320699	18.876	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	342484	19.142	ug/l	100
85) sec-Butylbenzene	11.95	105	396472	19.413	ug/l	100
86) p-Isopropyltoluene	12.07	119	356319	19.497	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	187162	19.443	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	188911	19.629	ug/l	100
89) n-Butylbenzene	12.39	91	313668	20.255	ug/l	99
90) Hexachloroethane	12.60	117	64283	17.832	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	189585	19.329	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	34188	18.980	ug/l	99

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Manual Integrations
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Quant Time: May 26 03:32:25 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)
93) 1,2,4-Trichlorobenzene	13.65	180	141331	20.151	ug/l	100
94) Hexachlorobutadiene	13.79	225	69696	18.474	ug/l	99
95) Naphthalene	13.84	128	443865	20.542	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	144989	19.979	ug/l	99

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

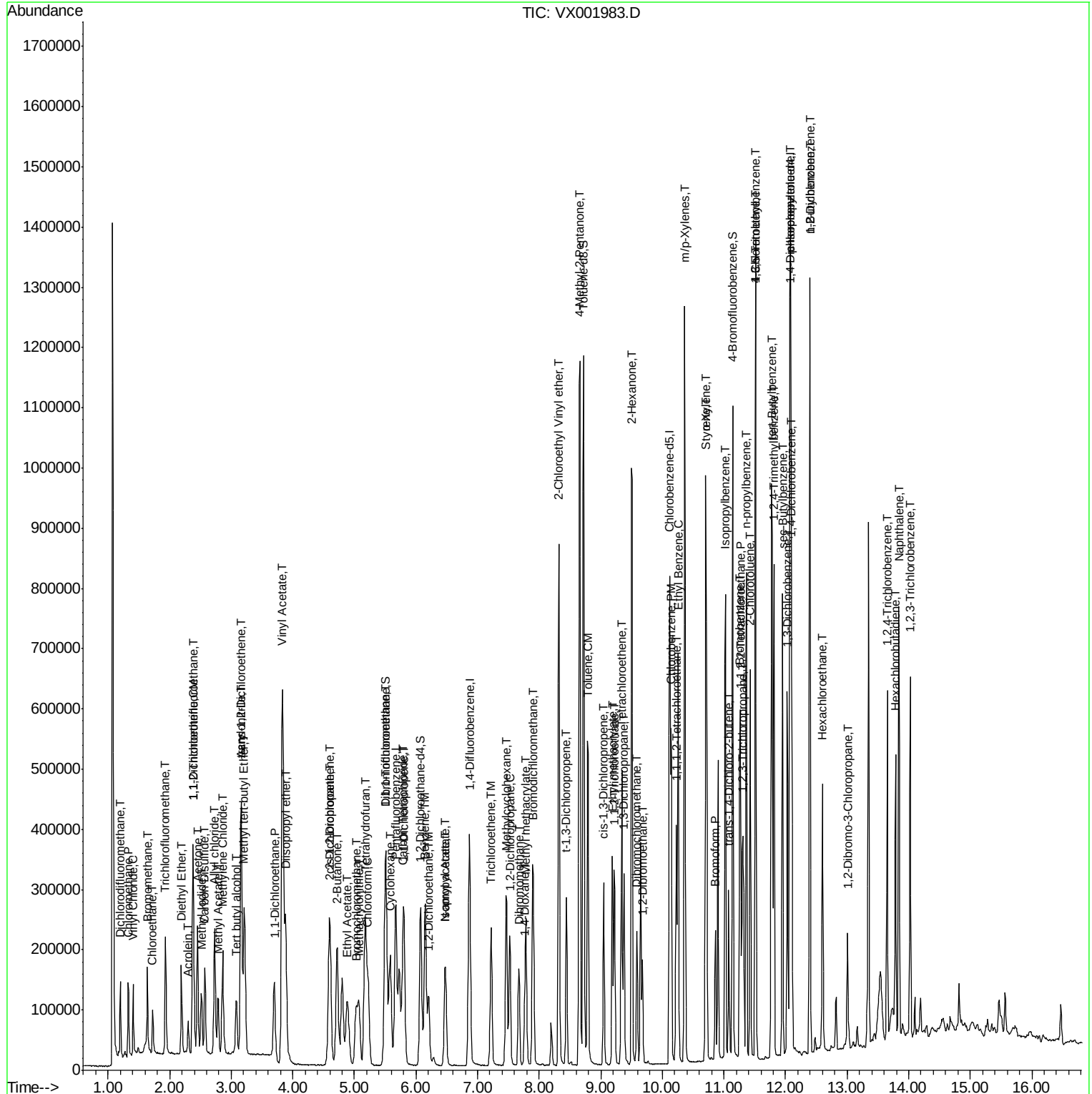
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
 Data File : VX001983.D
 Acq On : 25 May 2018 17:56
 Operator : JC/MD
 Sample : VX0525WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

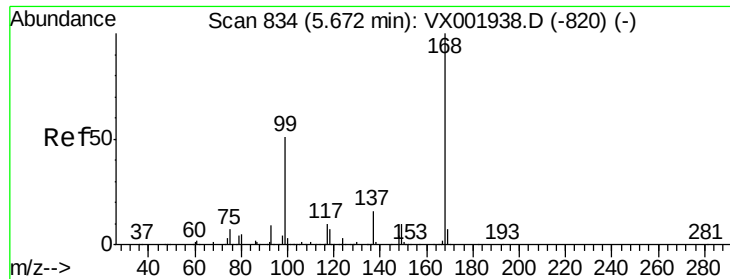
Instrument :
 MSVOA_X
 Client Sample ID :
 VX0525WBSD01

Manual Integrations
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#1

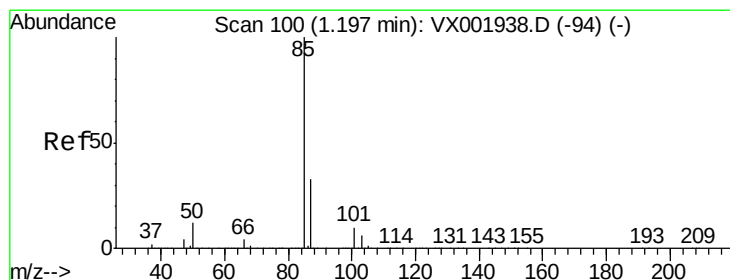
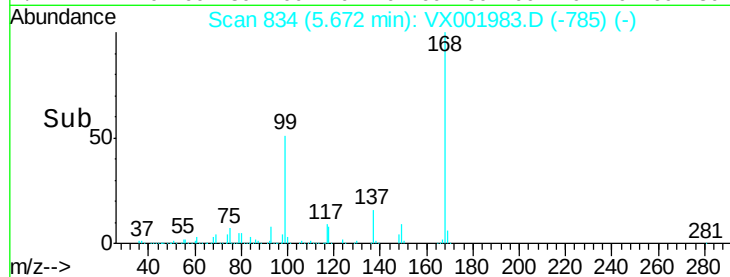
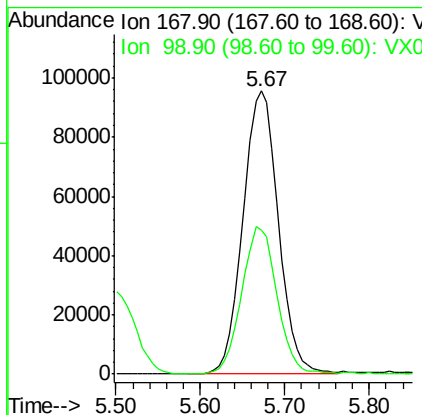
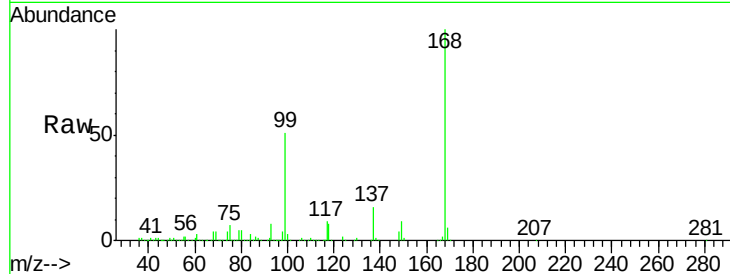
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VX001983.D
 Acq: 25 May 2018 17:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.5	41.0	61.4

Manual Integrations
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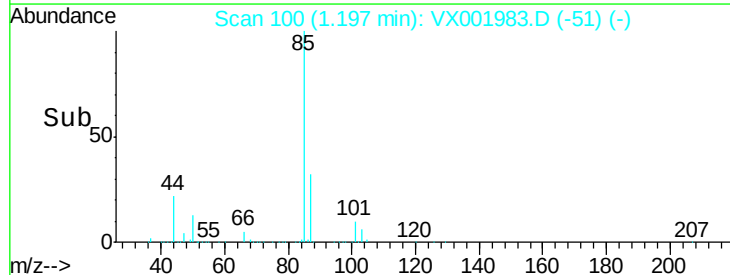
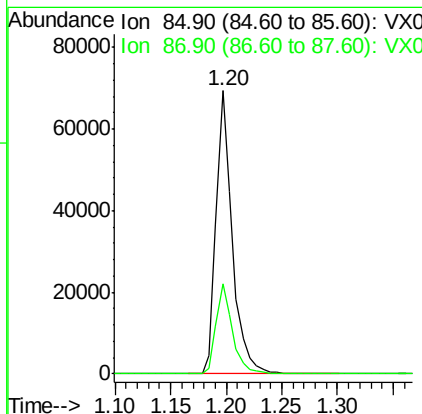
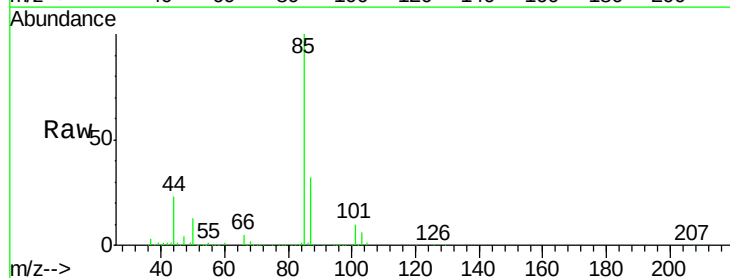
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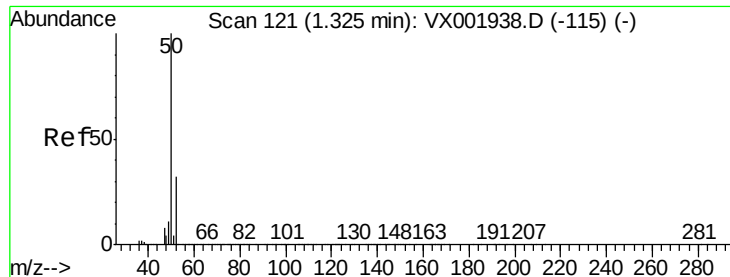


#2

Dichlorodifluoromethane
 Concen: 19.361 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX001983.D
 Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.7	50.0





#3

Chloromethane

Concen: 19.833 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion: 50 Resp: 83017

Ion Ratio Lower Upper

50 100

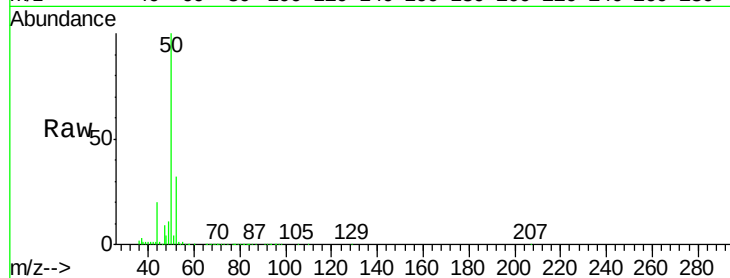
52 32.1 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

80000

60000

40000

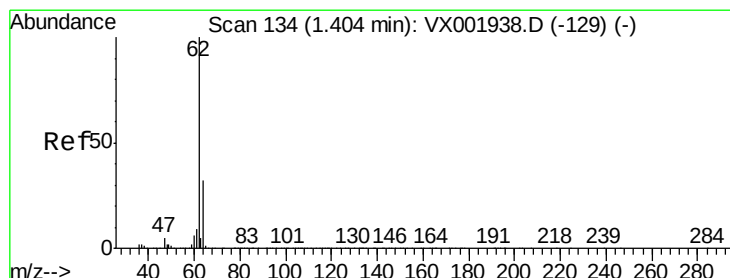
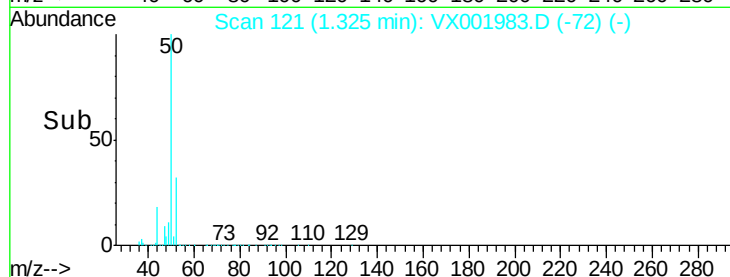
20000

0

1.32

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 20.153 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX001983.D

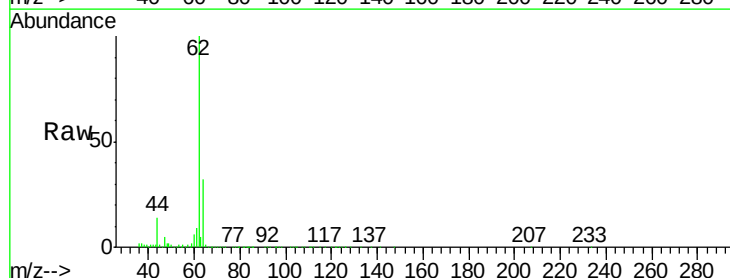
Acq: 25 May 2018 17:56

Tgt Ion: 62 Resp: 81449

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

80000

60000

40000

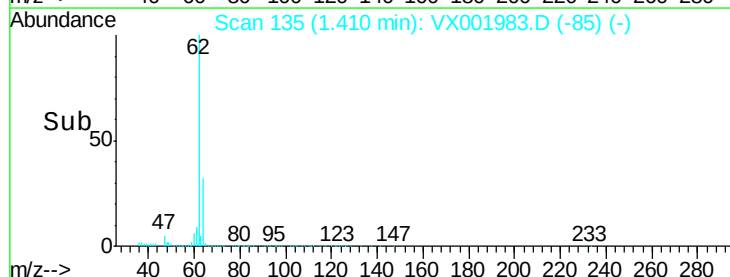
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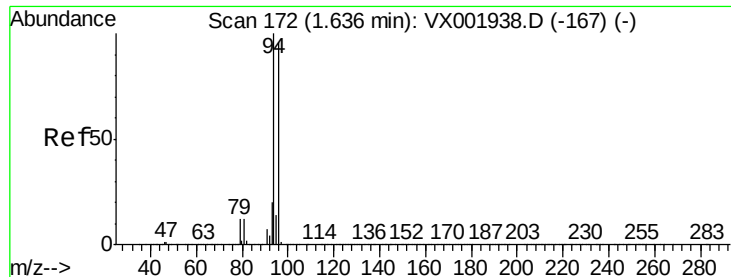
0

1.41

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 26.674 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion: 94 Resp: 50459

Ion Ratio Lower Upper

94 100

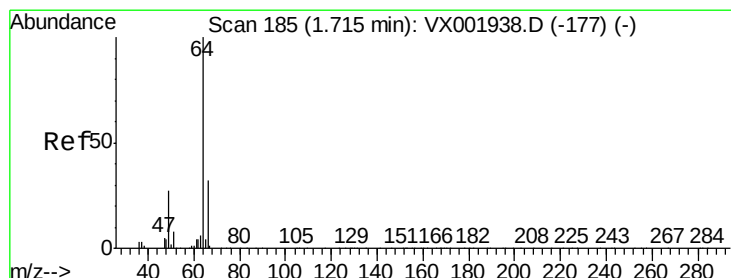
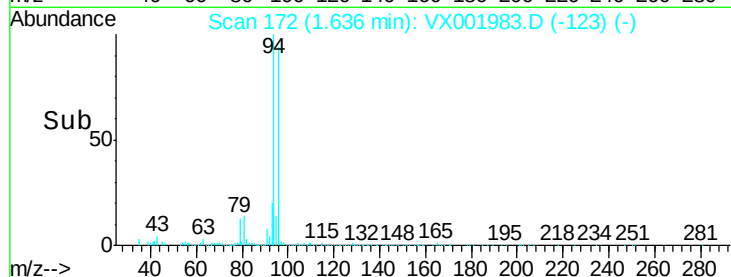
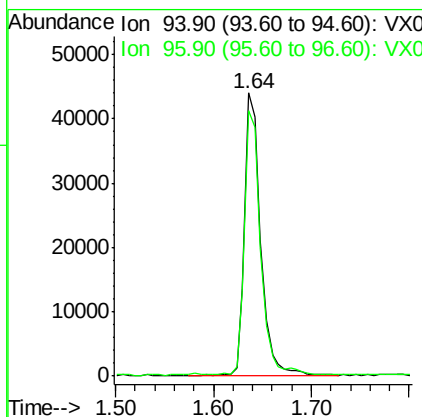
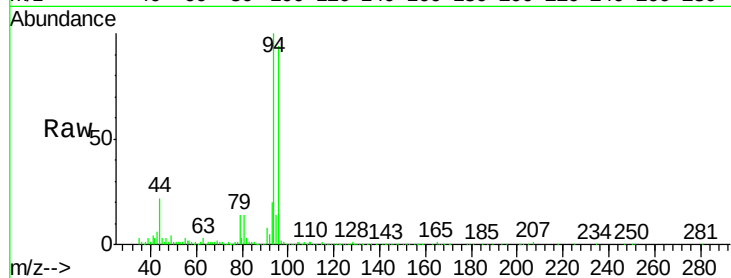
96 93.4 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 20.992 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001983.D

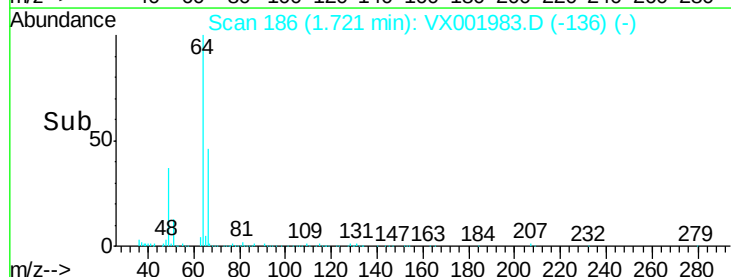
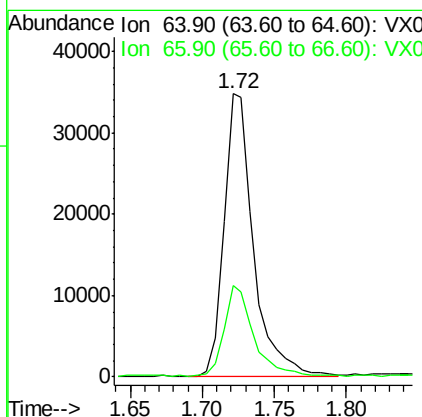
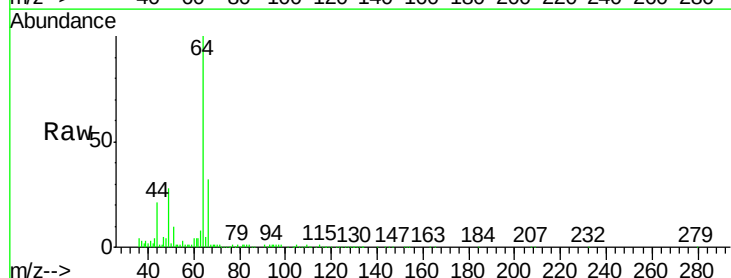
Acq: 25 May 2018 17:56

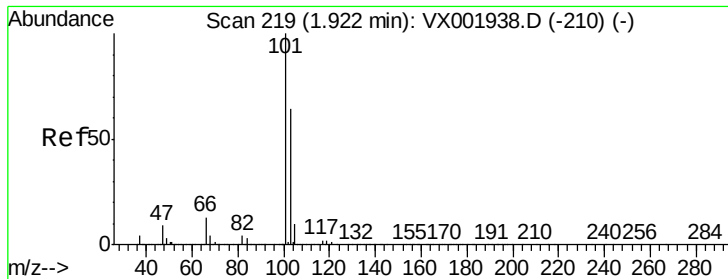
Tgt Ion: 64 Resp: 50015

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4





#7

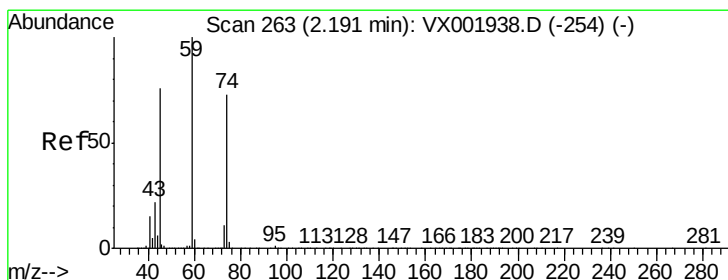
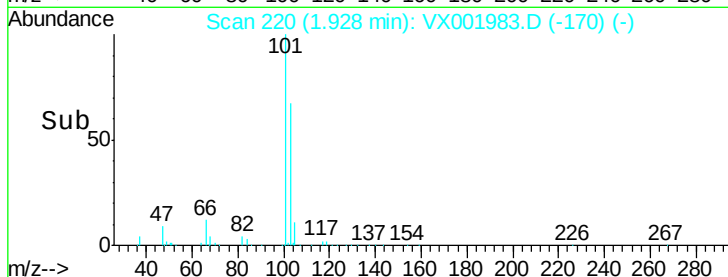
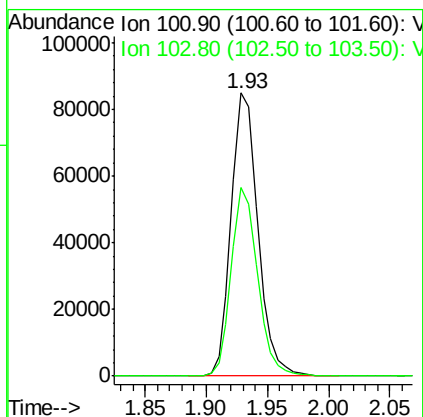
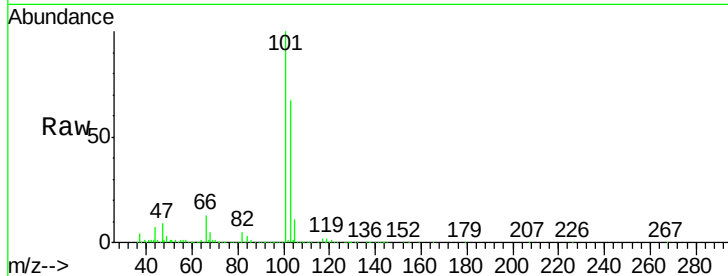
Trichlorofluoromethane
Concen: 21.223 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
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ClientSampleId :
VX0525WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		128812		
103	66.8	51.4	77.0		

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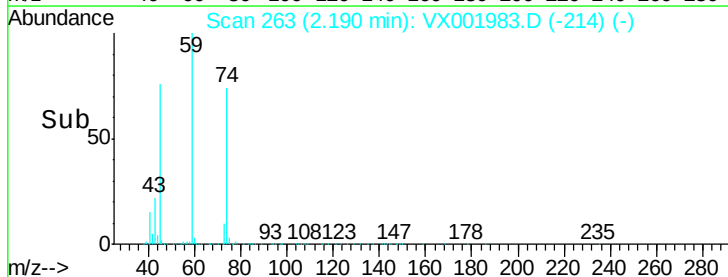
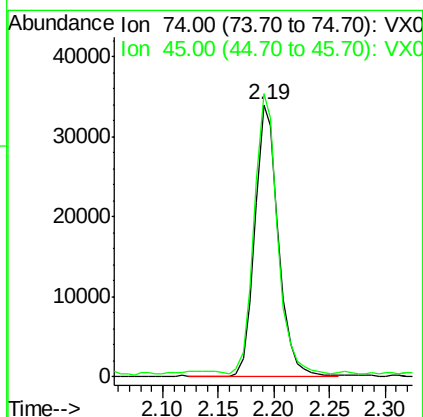
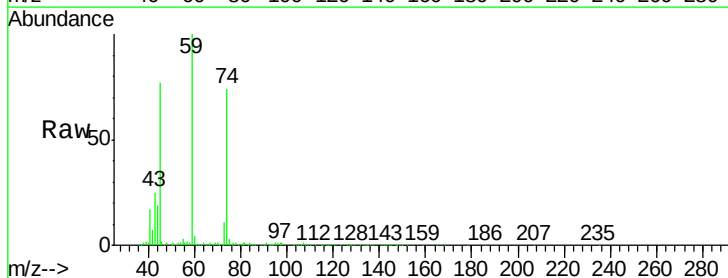
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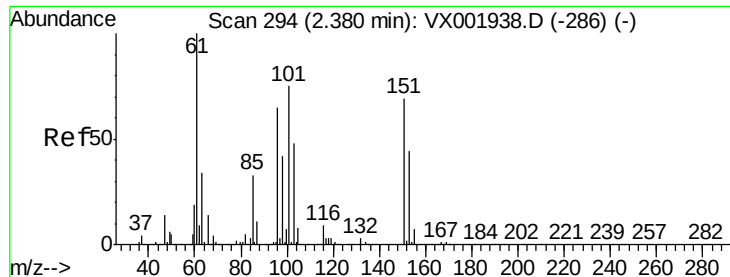


#8

Diethyl Ether
Concen: 22.836 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		50290		
45	100.9	51.5	154.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.256 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

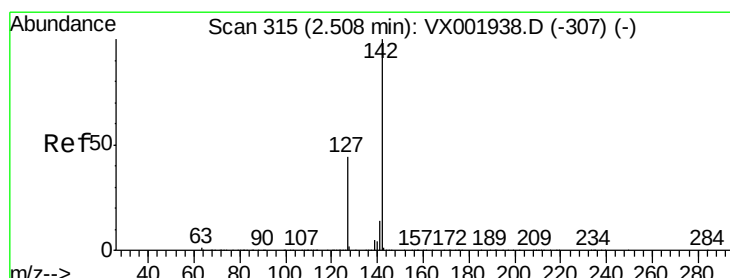
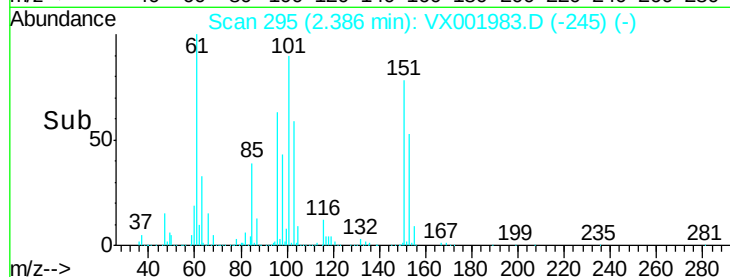
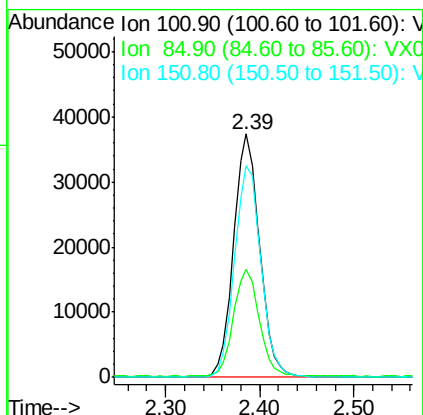
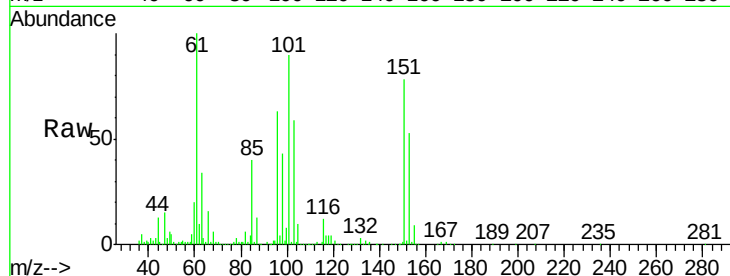
ClientSampleId :

VX0525WBSD01

Tot Ion:	101	Resp:	71992
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.6	53.4
151	88.5	73.2	109.8

Manual Integrations
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#10

Methyl Iodide

Concen: 22.508 ug/l

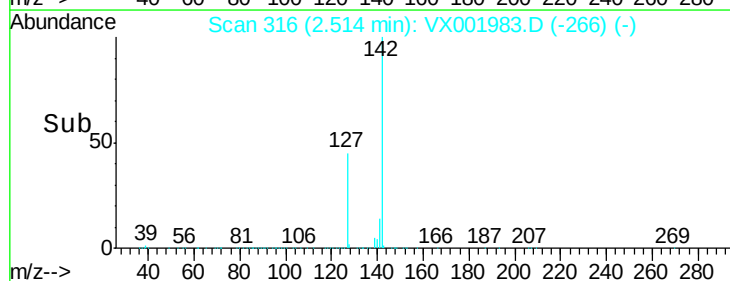
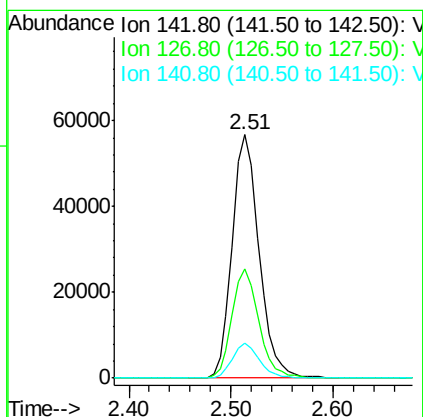
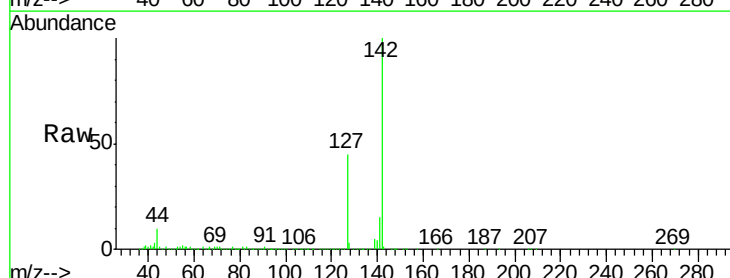
RT: 2.51 min Scan# 316

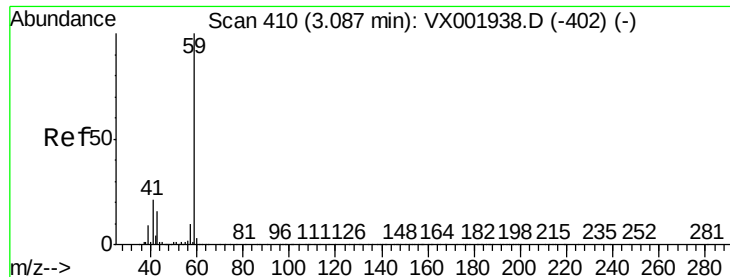
Delta R.T. 0.01 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Tgt Ion:	142	Resp:	103147
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.5	53.3
141	14.3	11.3	16.9





#11

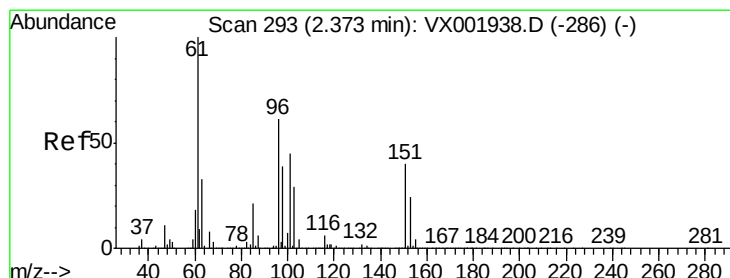
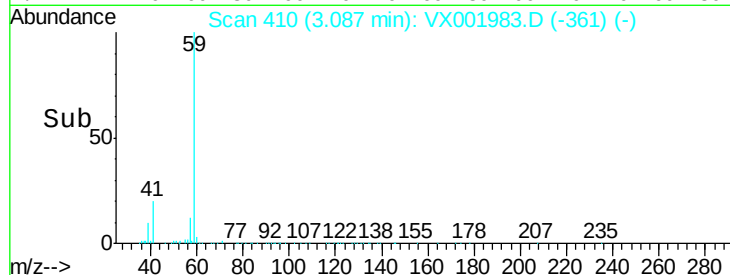
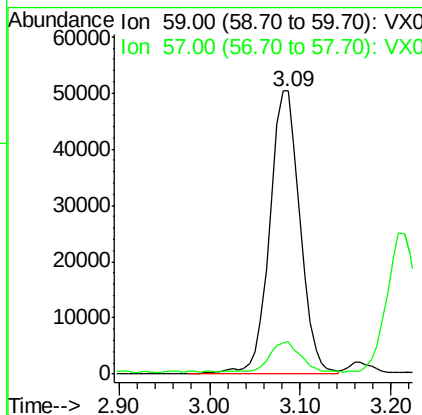
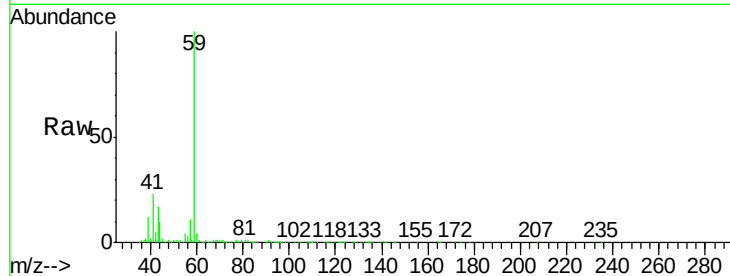
Tert butyl alcohol
Concen: 122.322 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	10.5		8.9	13.3

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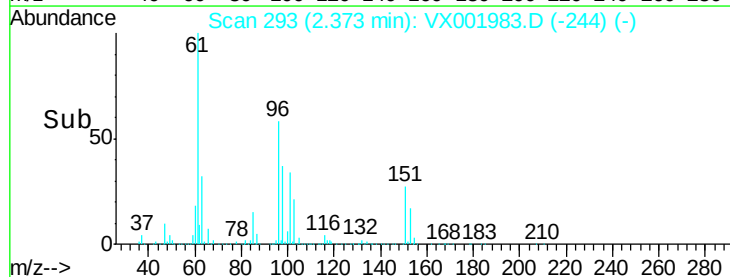
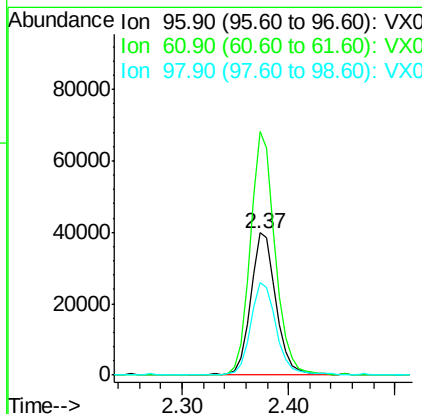
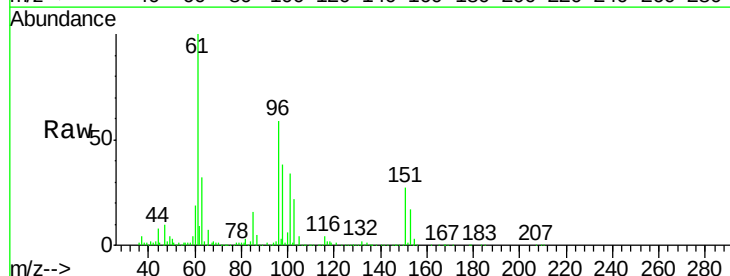
MMDadoda
5/29/2018 4:39:23 PM

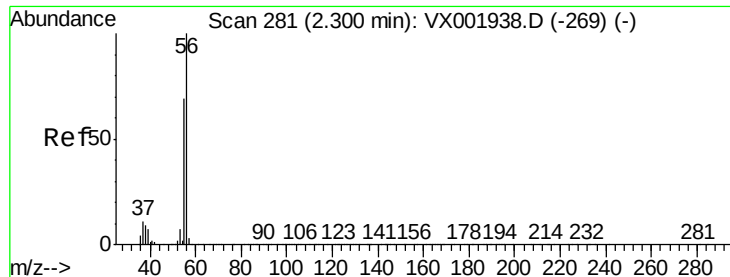


#12

1,1-Dichloroethene
Concen: 20.631 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	171.6		131.7	197.5
98	98	64.4		51.6	77.4





#13

Acrolein

Concen: 93.175 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion: 56 Resp: 38455

Ion Ratio Lower Upper

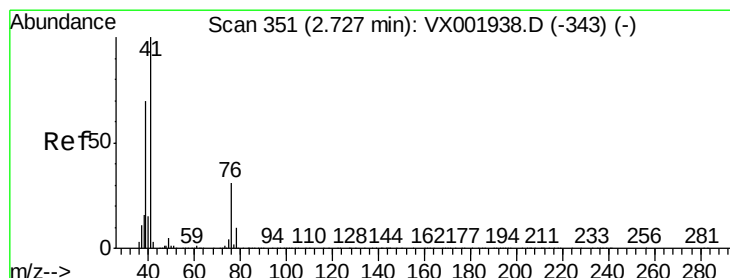
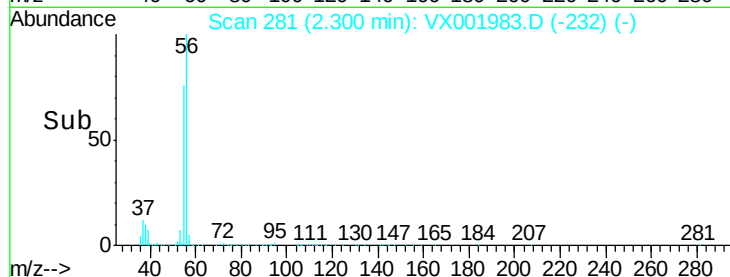
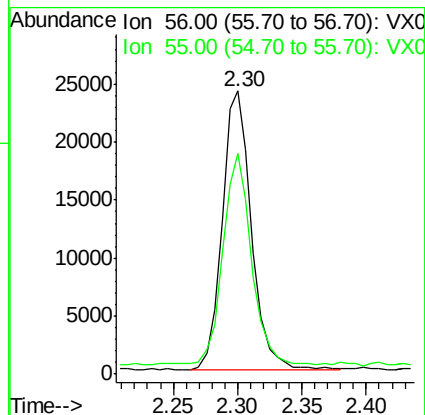
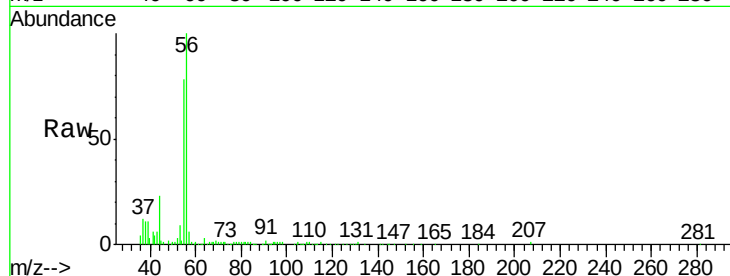
56 100

55 73.1 56.8 85.2

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#14

Allyl chloride

Concen: 21.755 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

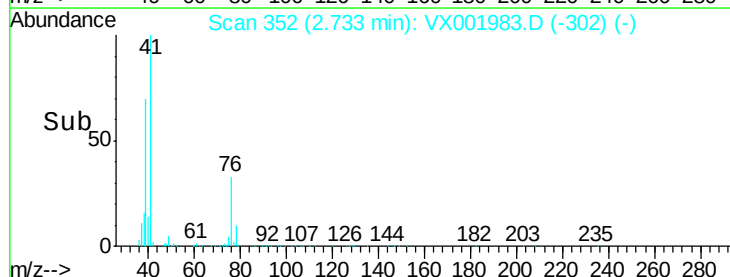
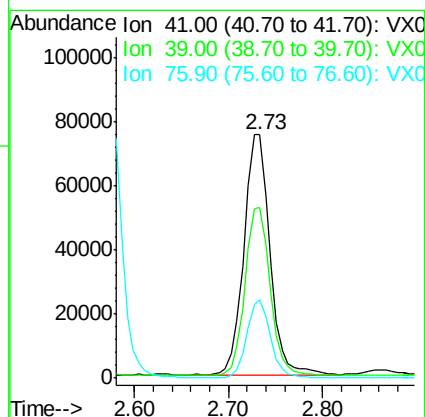
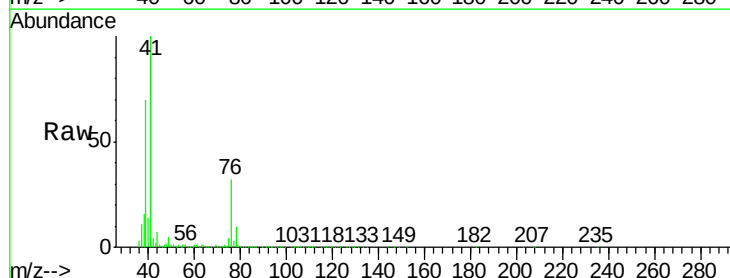
Tgt Ion: 41 Resp: 144805

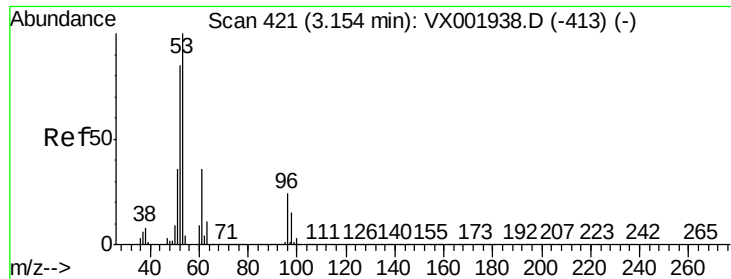
Ion Ratio Lower Upper

41 100

39 68.2 54.3 81.5

76 29.6 24.2 36.4





#15

Acrylonitrile

Concen: 114.074 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

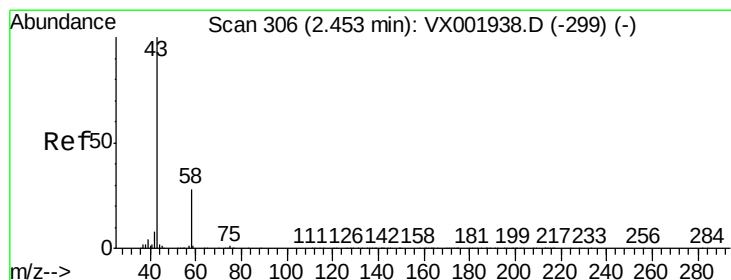
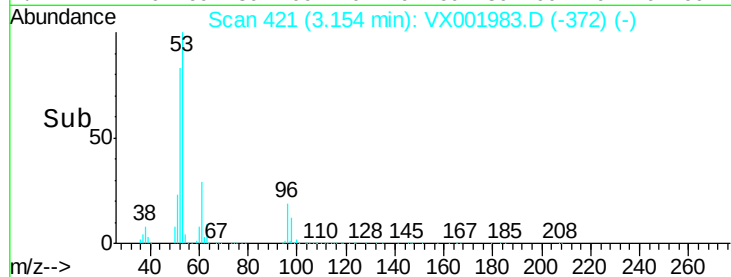
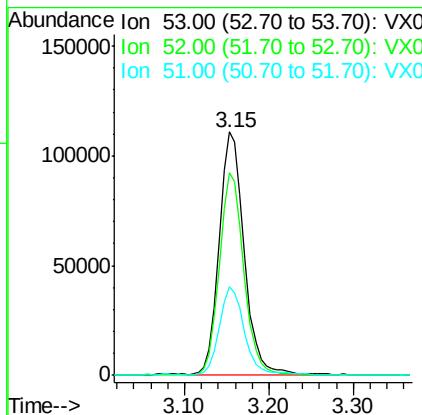
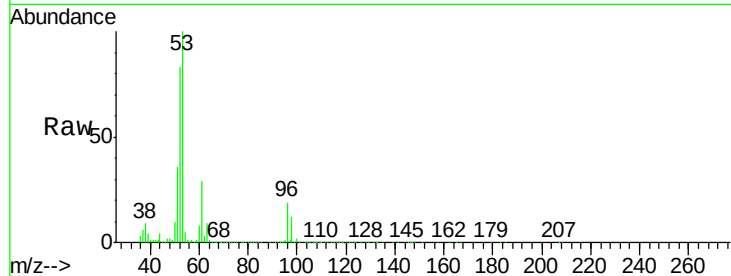
ClientSampleId :

VX0525WBSD01

Tot Ion	53	Resp	223918
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.4	99.6
51	36.6	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 117.609 ug/l

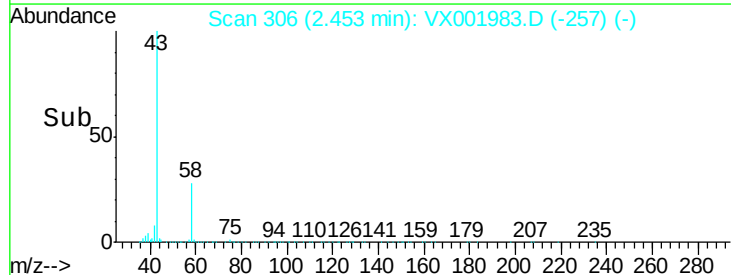
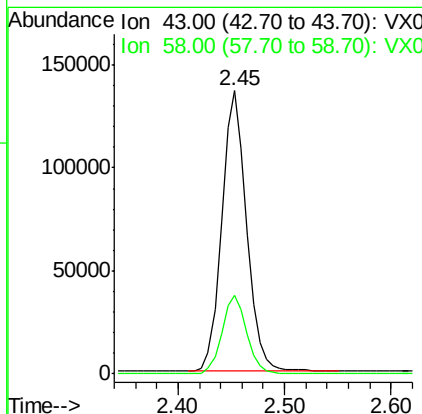
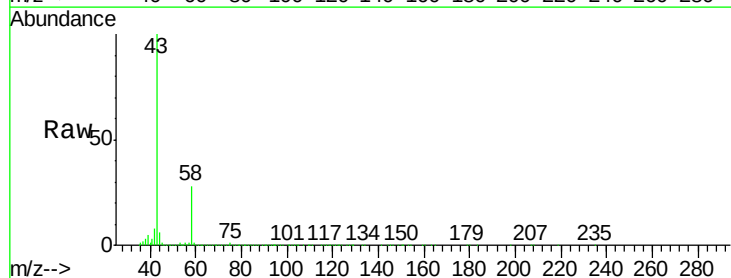
RT: 2.45 min Scan# 306

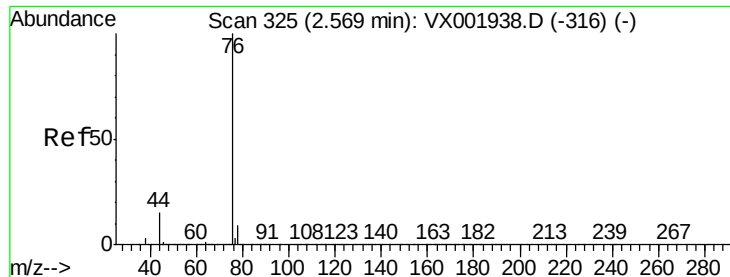
Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Tgt Ion	43	Resp	220723
Ion Ratio	Lower	Upper	
43	100		
58	27.9	22.3	33.5





#17

Carbon Disulfide

Concen: 20.172 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion: 76 Resp: 184097

Ion Ratio Lower Upper

76 100

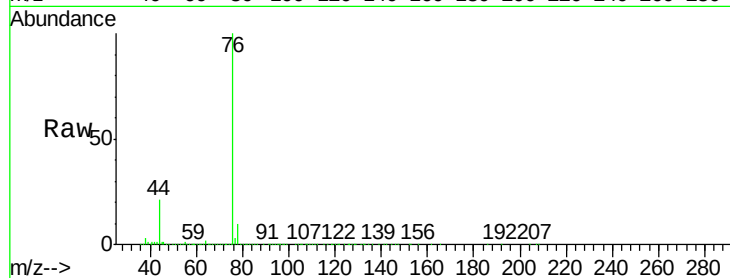
78 9.4 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

120000

100000

80000

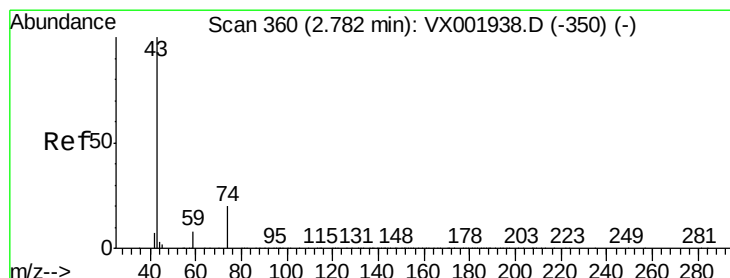
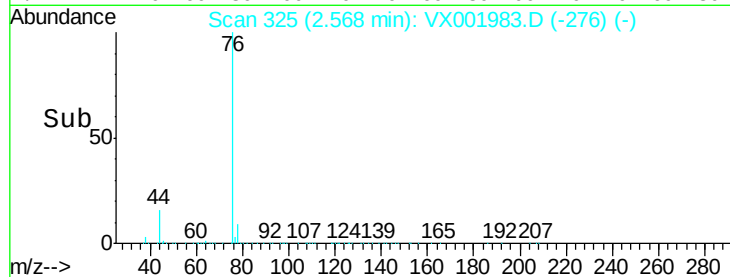
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 24.750 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001983.D

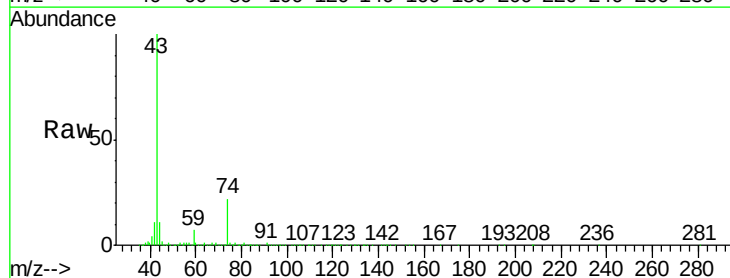
Acq: 25 May 2018 17:56

Tgt Ion: 43 Resp: 114491

Ion Ratio Lower Upper

43 100

74 20.7 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

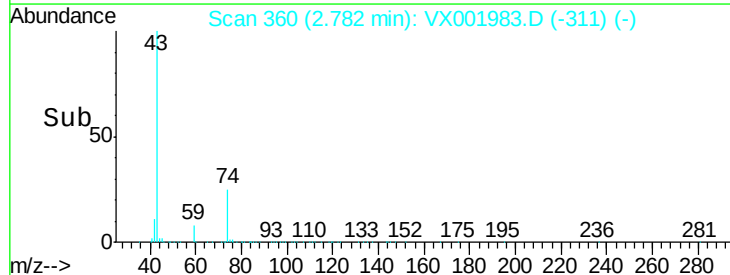
60000

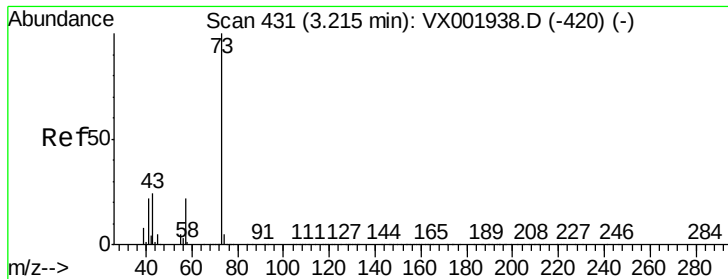
40000

20000

0

Time-->





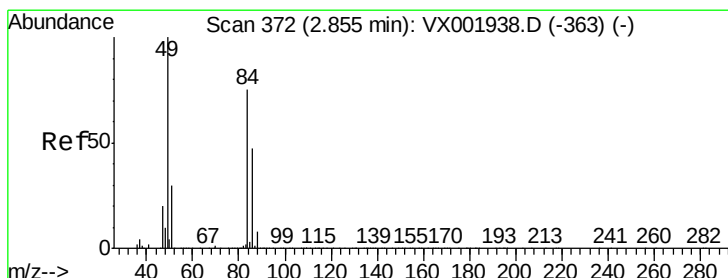
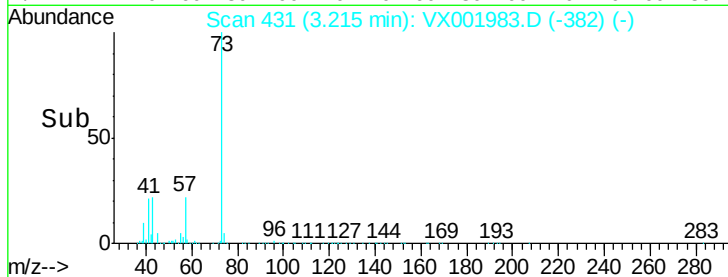
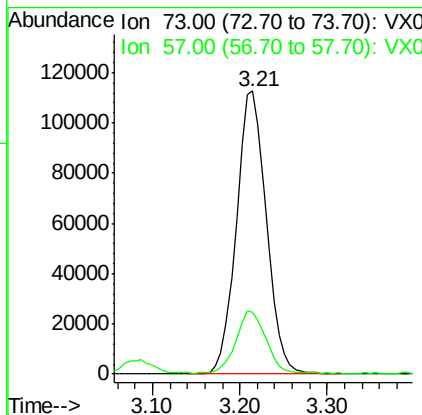
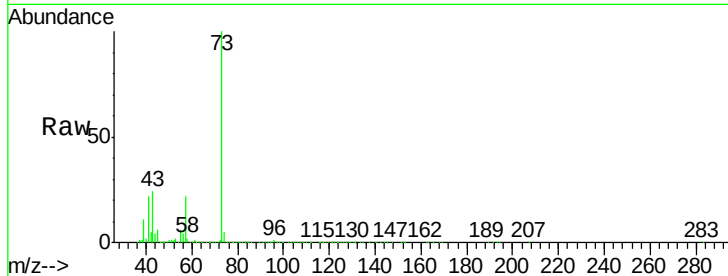
#19
Methyl tert-butyl Ether
Concen: 22.387 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0

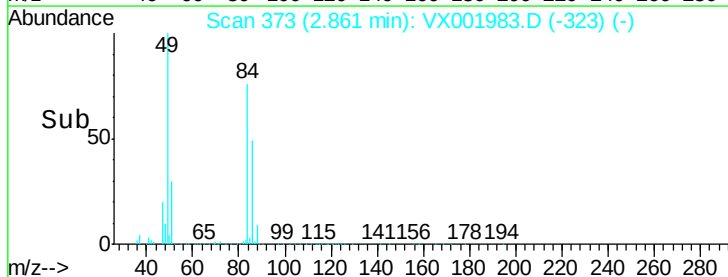
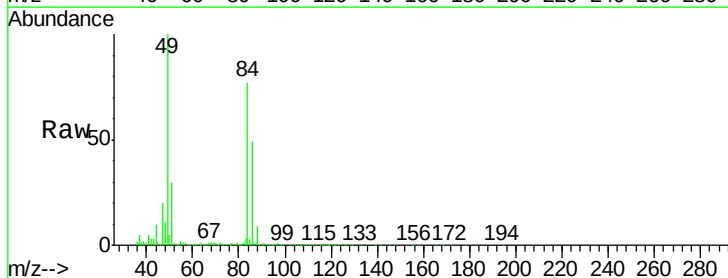
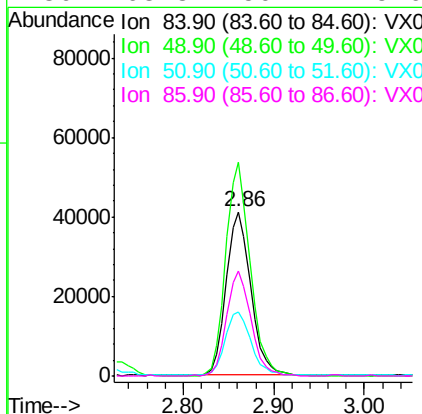
Manual Integrations
APPROVED

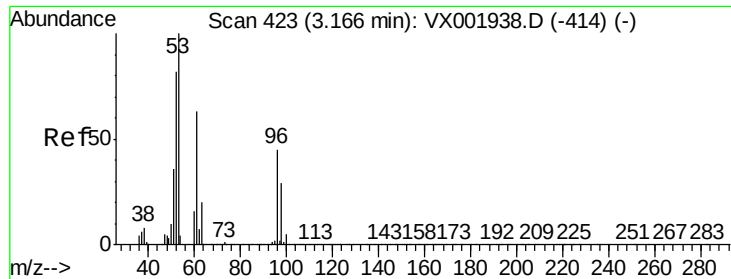
MMDadoda
5/29/2018 4:39:23 PM



#20
Methylene Chloride
Concen: 23.017 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.5	107.2	160.8
51	39.1	32.4	48.6
86	63.8	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 21.908 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

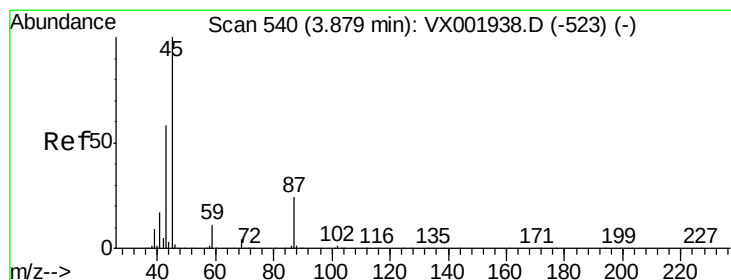
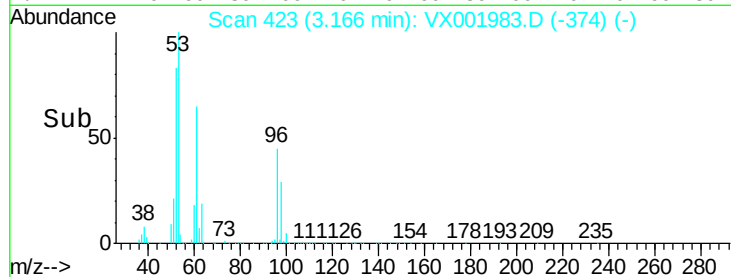
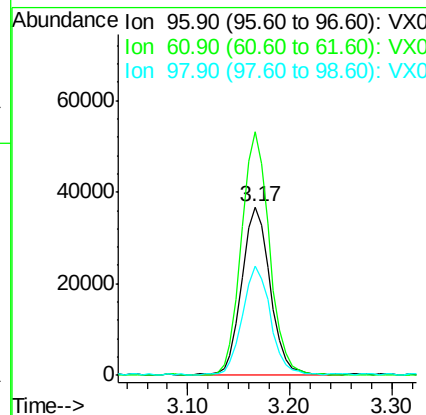
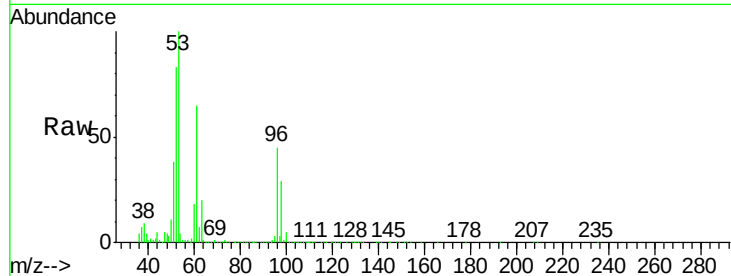
ClientSampled :

VX0525WBSD01

Tot Ion:	96	Resp:	70373
Ion	Ratio	Lower	Upper
96	100		
61	144.9	113.3	169.9
98	64.2	51.7	77.5

Manual Integrations
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5/29/2018 4:39:23 PM



#22

Diisopropyl ether

Concen: 20.987 ug/l

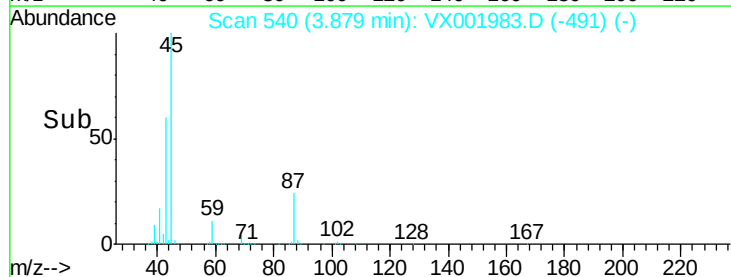
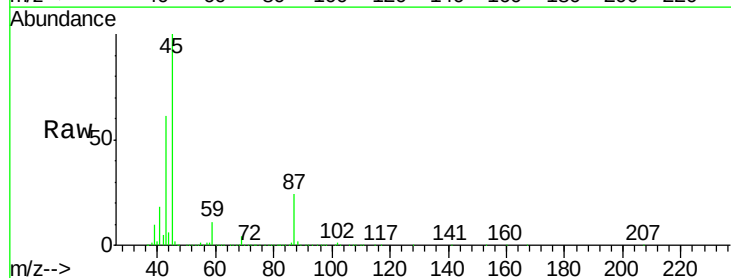
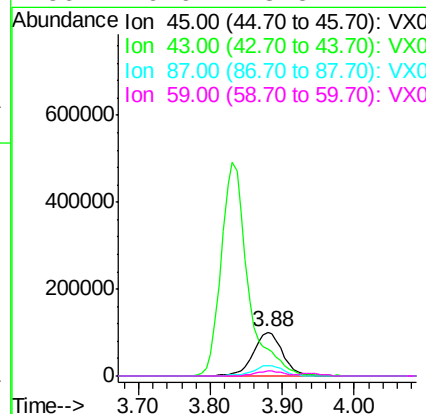
RT: 3.88 min Scan# 540

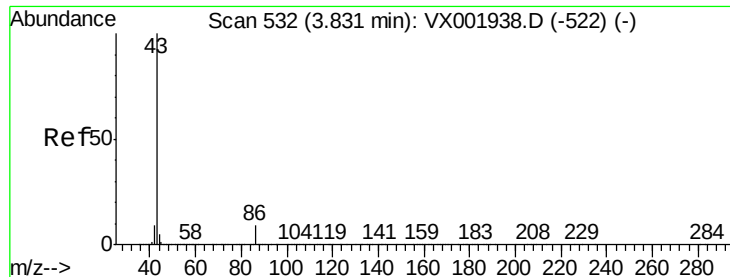
Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Tgt Ion:	45	Resp:	284143
Ion	Ratio	Lower	Upper
45	100		
43	59.8	47.0	70.6
87	24.4	19.4	29.0
59	10.9	8.5	12.7





#23

Vinyl Acetate

Concen: 113.188 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion: 43 Resp: 1270579

Ion Ratio Lower Upper

43 100

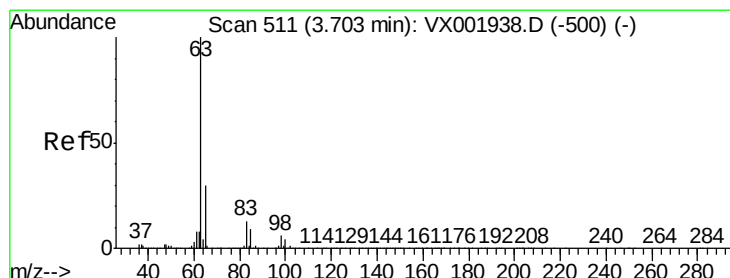
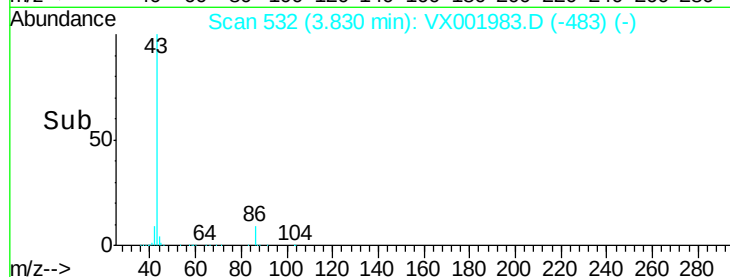
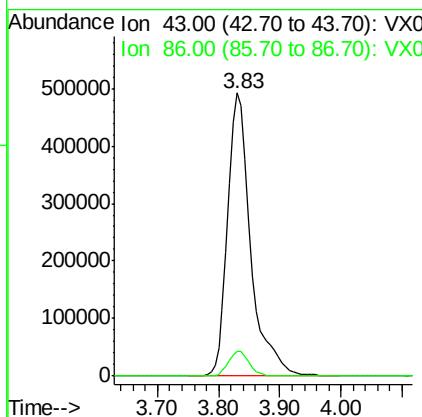
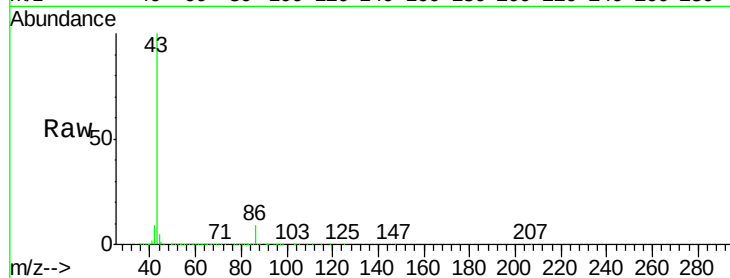
86 8.8 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.093 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

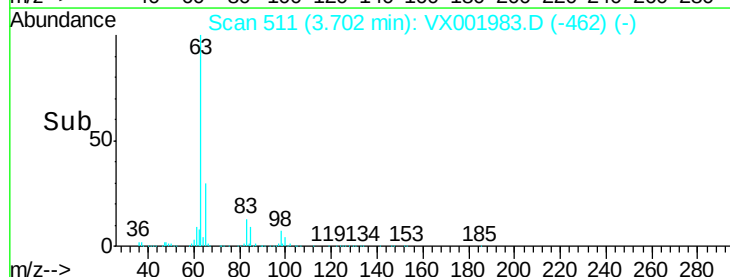
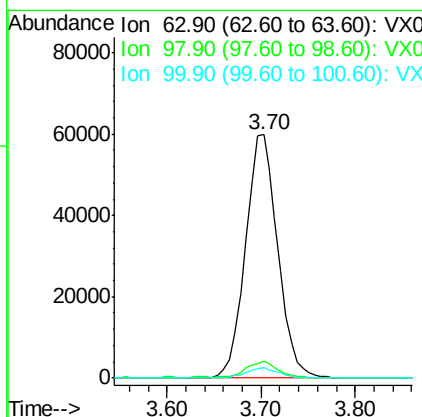
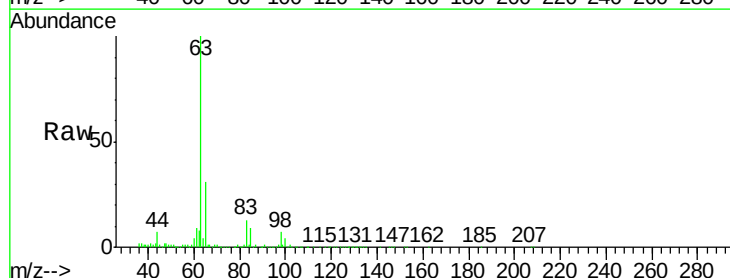
Tgt Ion: 63 Resp: 142091

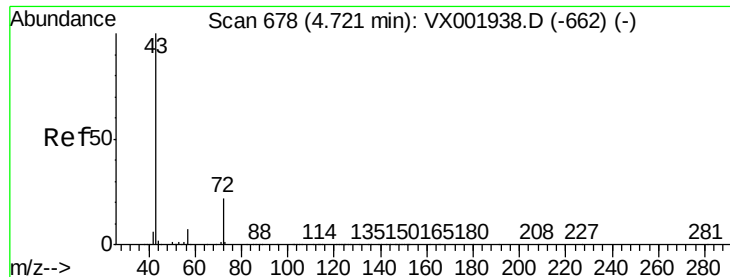
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 104.803 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion: 43 Resp: 360496

Ion Ratio Lower Upper

43 100

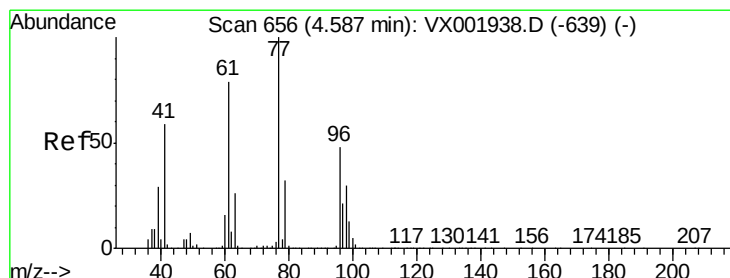
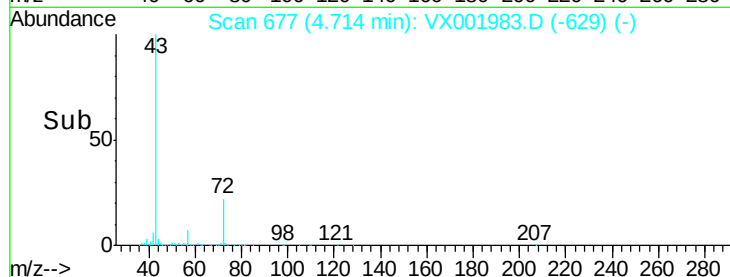
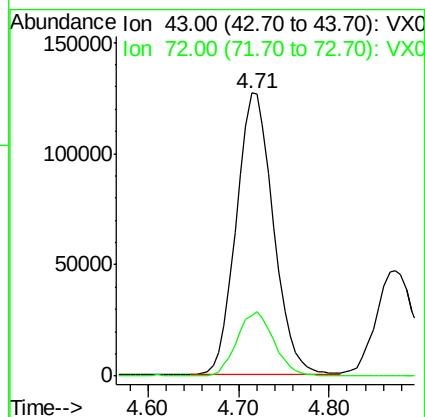
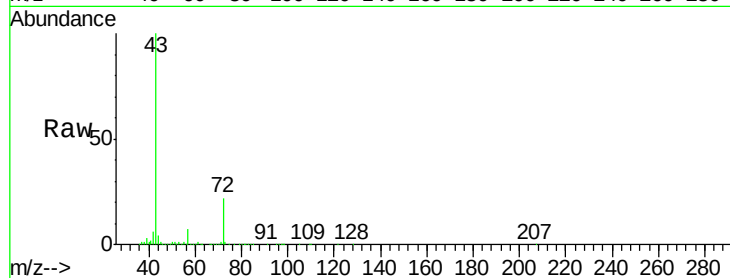
72 21.6 17.9 26.9

Manual Integrations

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5/29/2018 4:39:23 PM



#26

2,2-Dichloropropane

Concen: 18.559 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001983.D

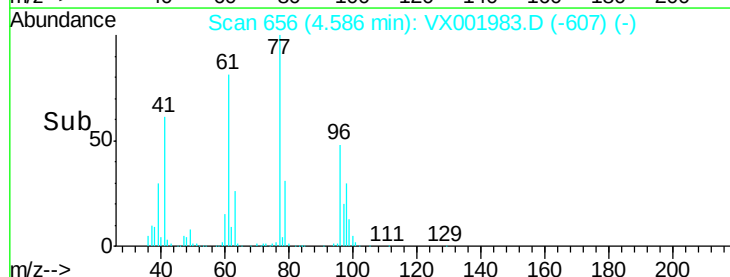
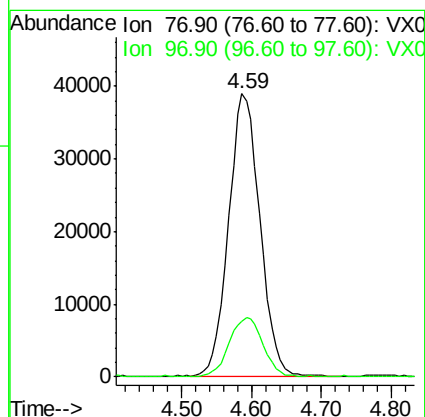
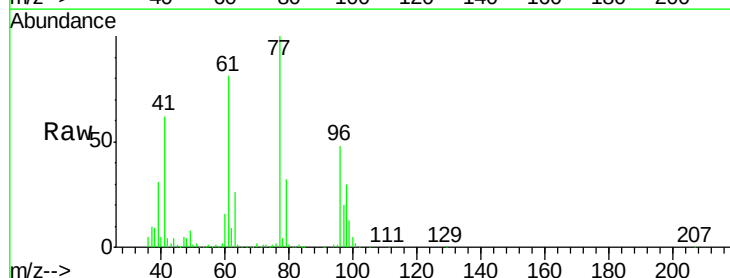
Acq: 25 May 2018 17:56

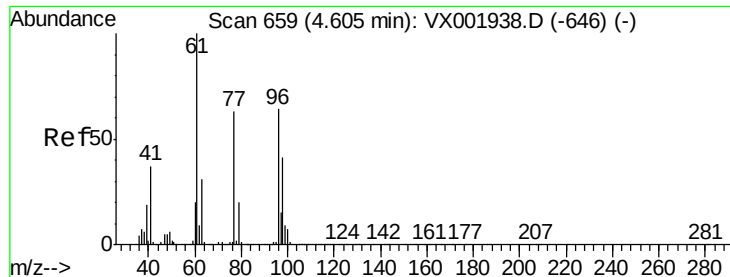
Tgt Ion: 77 Resp: 120812

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.5





#27

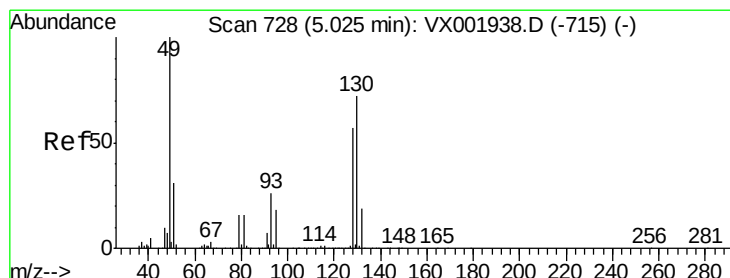
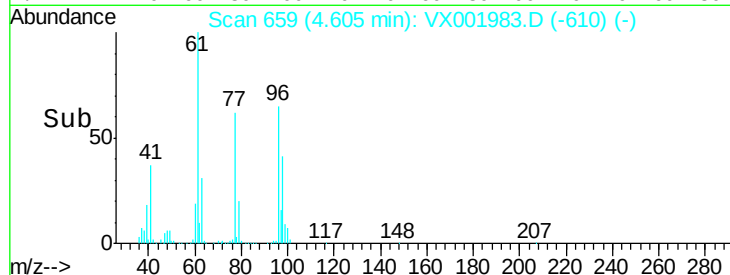
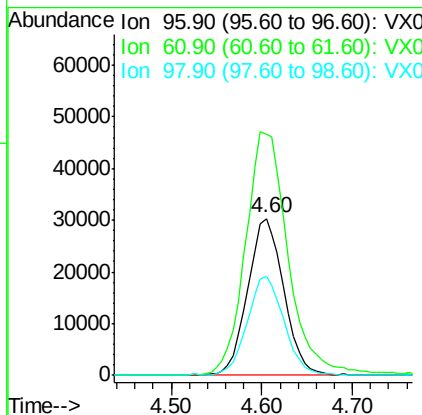
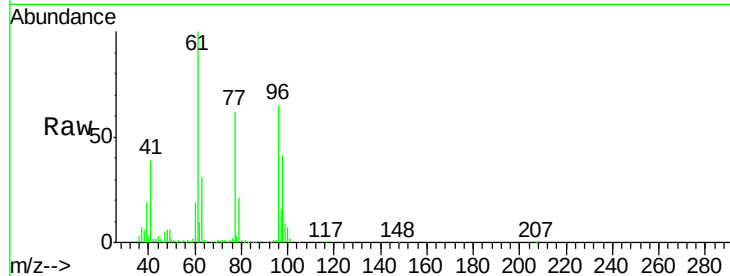
cis-1,2-Dichloroethene
Concen: 20.223 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	185.1	0.0	348.4
98	63.0	0.0	128.6

Manual Integrations
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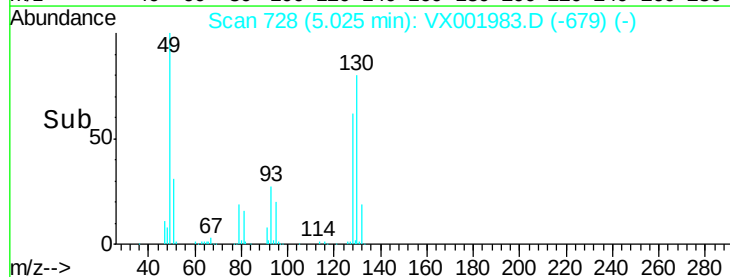
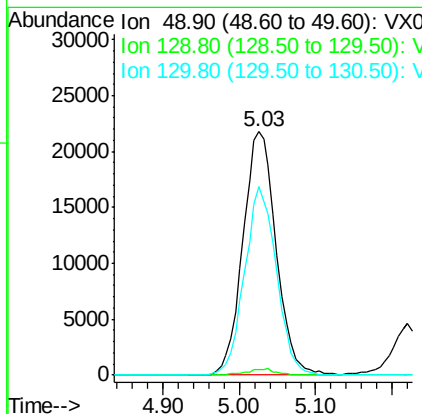
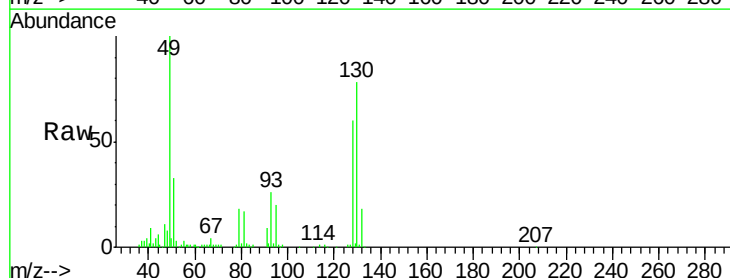
MMDadoda
5/29/2018 4:39:23 PM

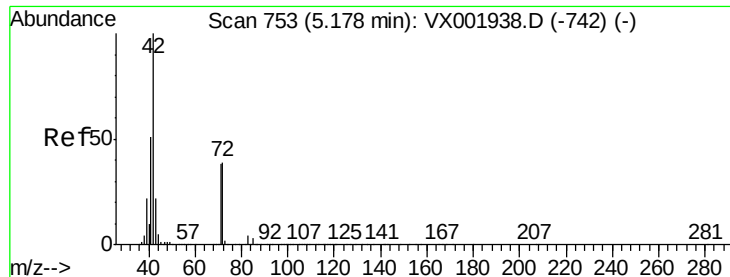


#28

Bromochloromethane
Concen: 23.265 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.8
130	74.1	59.4	89.2





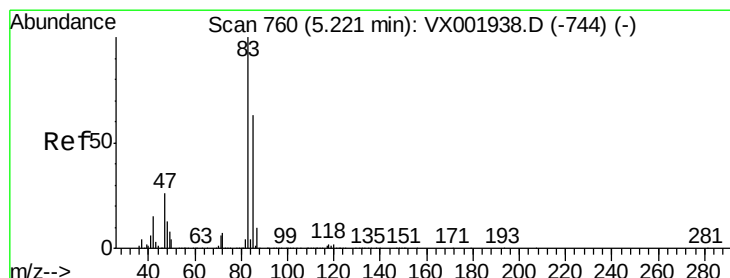
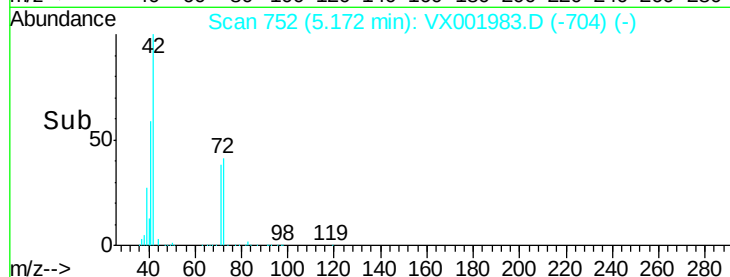
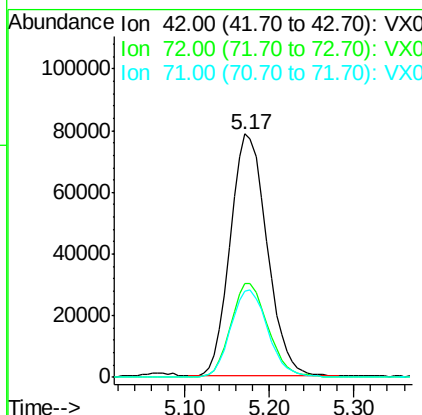
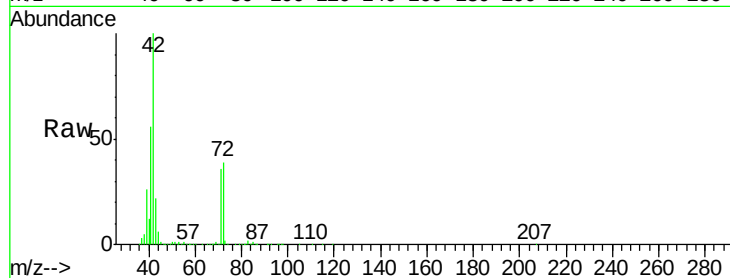
#29
Tetrahydrofuran
Concen: 104.150 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.0
71	36.3	29.5	44.3

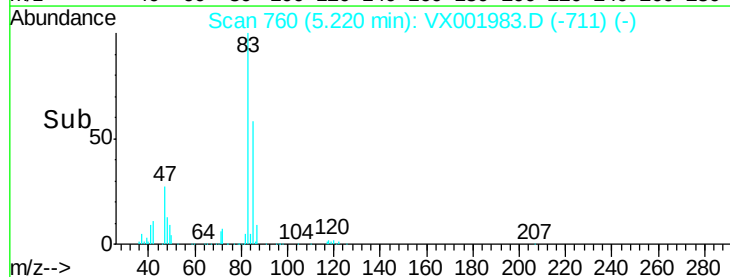
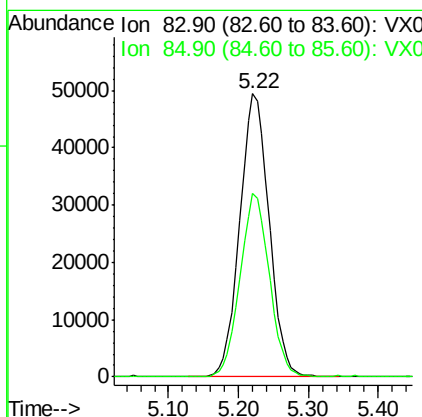
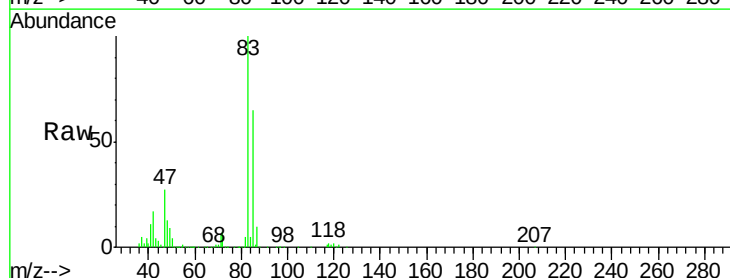
Manual Integrations
APPROVED

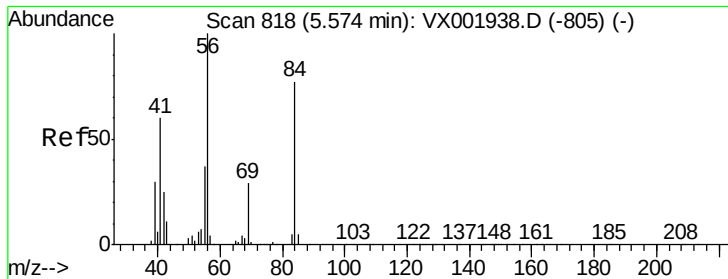
MMDadoda
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#30
Chloroform
Concen: 19.783 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3





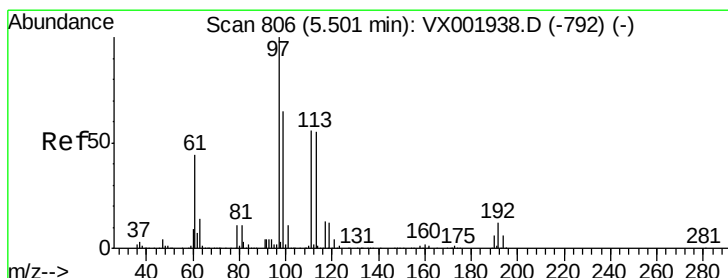
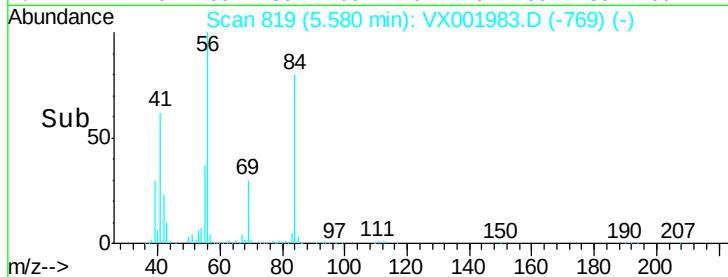
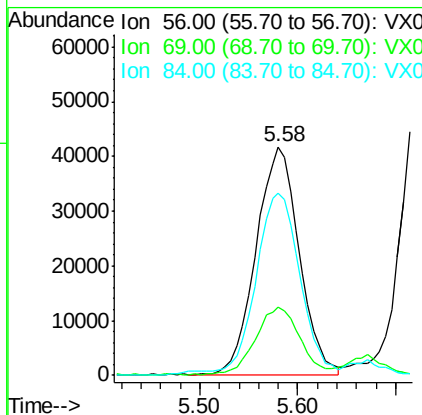
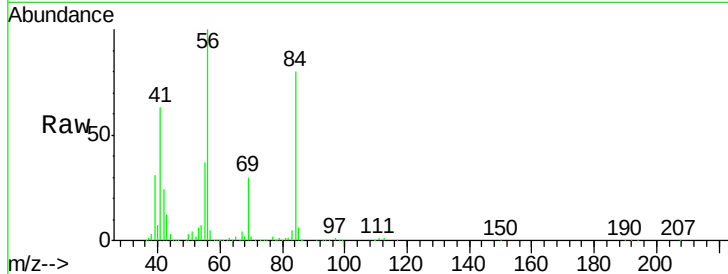
#31
Cyclohexane
Concen: 18.918 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.1	34.7
84	78.3	62.0	93.0

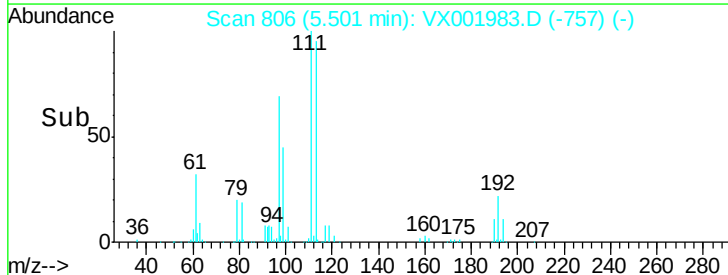
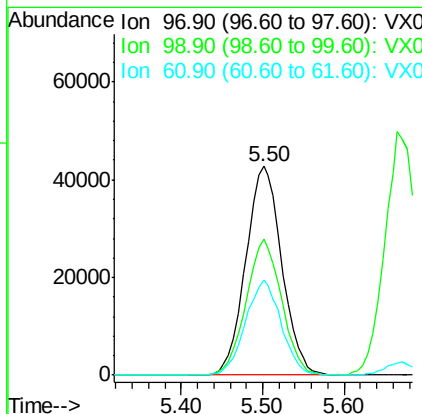
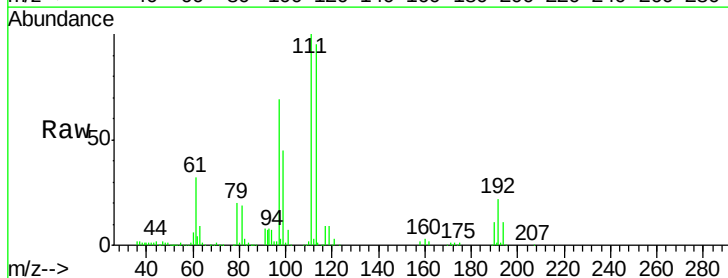
Manual Integrations
APPROVED

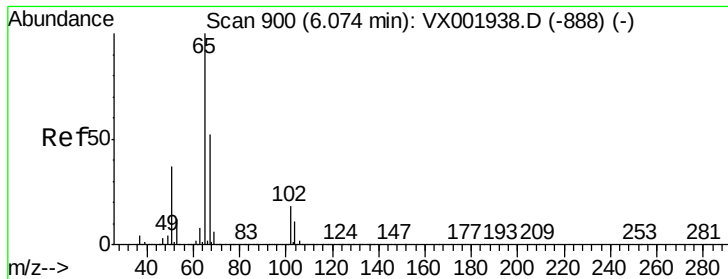
MMDadoda
5/29/2018 4:39:23 PM



#32
1,1,1-Trichloroethane
Concen: 19.448 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.9	77.9
61	45.1	35.9	53.9





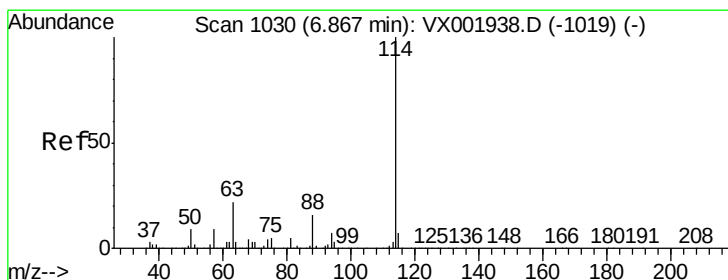
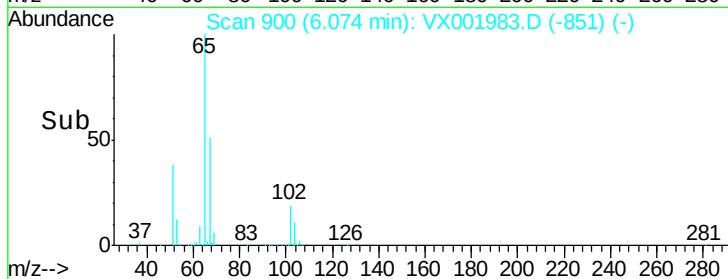
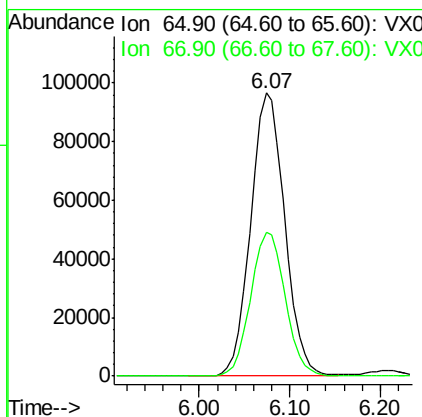
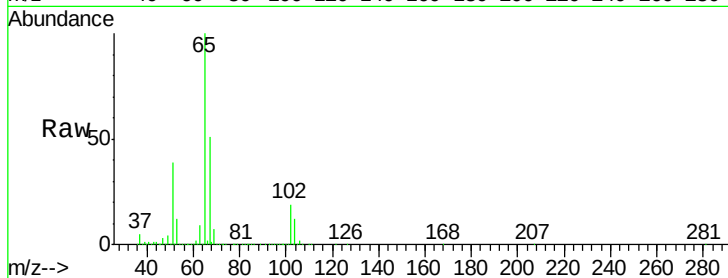
#33
 1,2-Dichloroethane-d4
 Concen: 51.668 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001983.D
 Acq: 25 May 2018 17:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.0

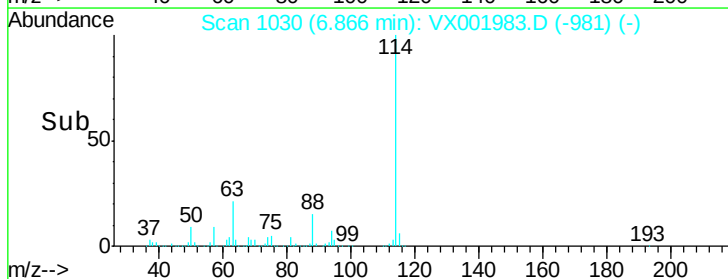
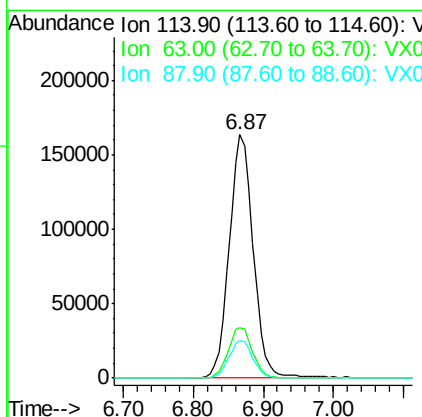
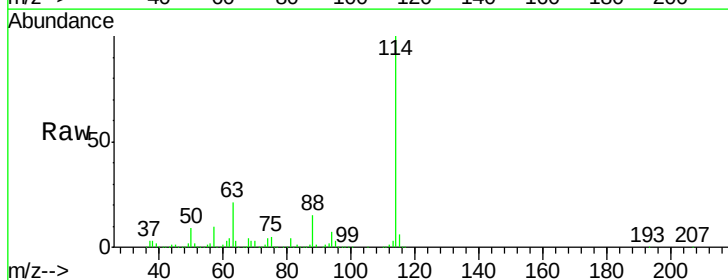
Manual Integrations
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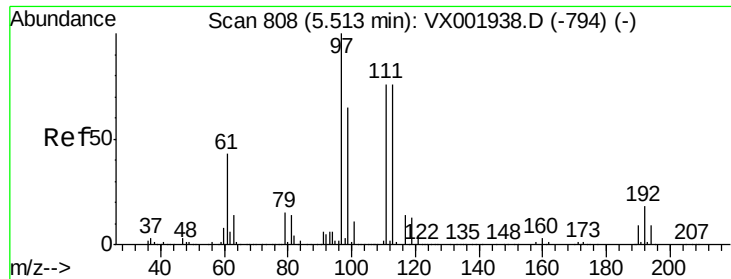
MMDadoda
 5/29/2018 4:39:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001983.D
 Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.2
88	15.5	0.0	31.6





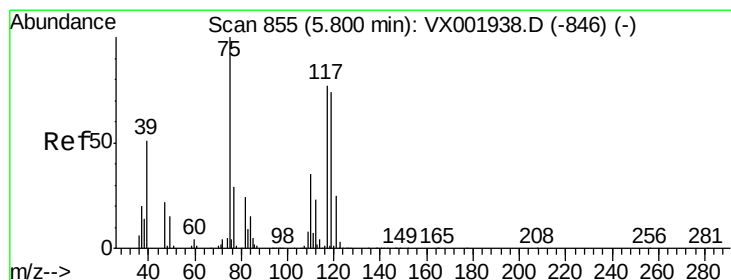
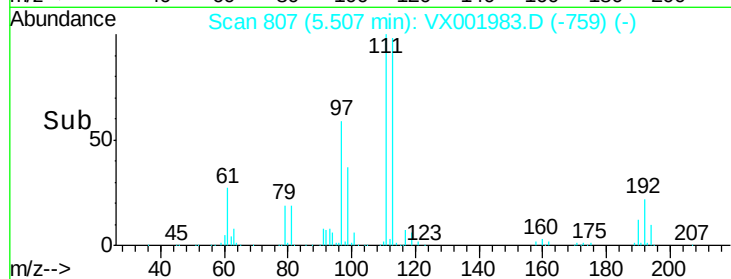
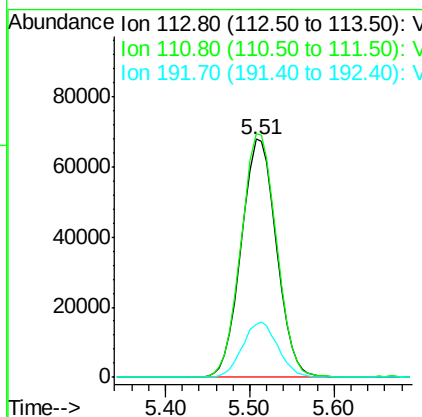
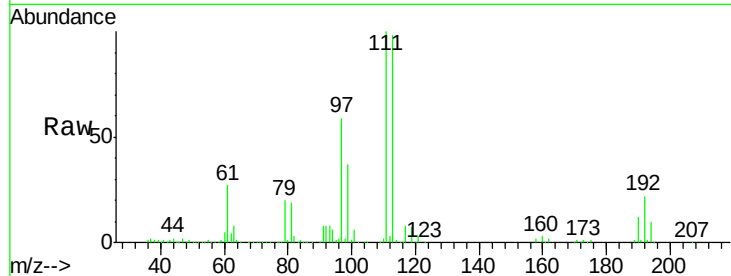
#35
 Dibromofluoromethane
 Concen: 49.437 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001983.D
 Acq: 25 May 2018 17:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	192618		
111	102.8	82.0	123.0	
192	23.4	18.9	28.3	

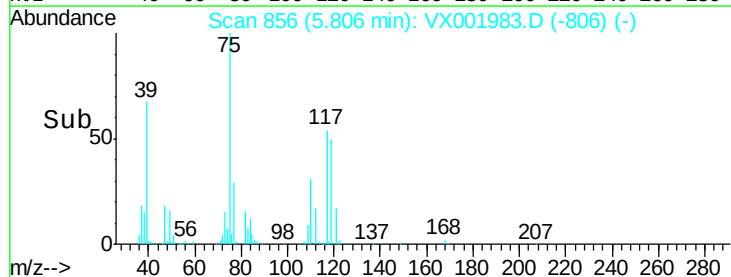
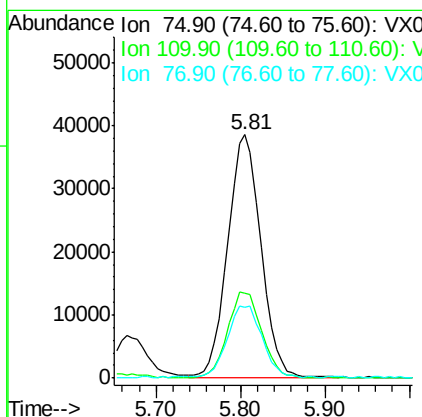
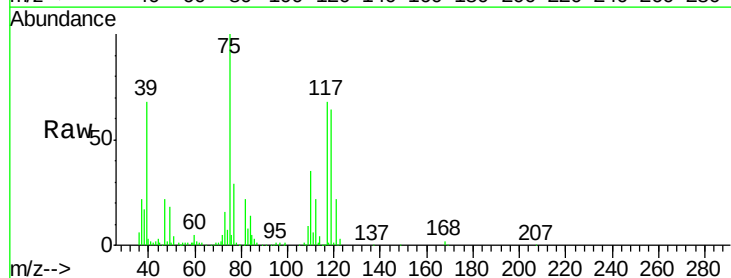
Manual Integrations
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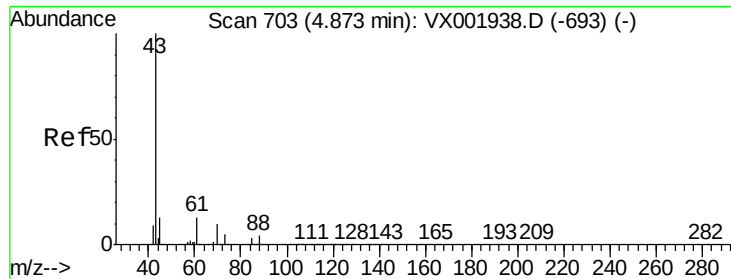
MMDadoda
 5/29/2018 4:39:23 PM



#36
 1,1-Dichloropropene
 Concen: 18.920 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX001983.D
 Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102535		
110	36.7	17.4	52.2	
77	30.8	24.4	36.6	





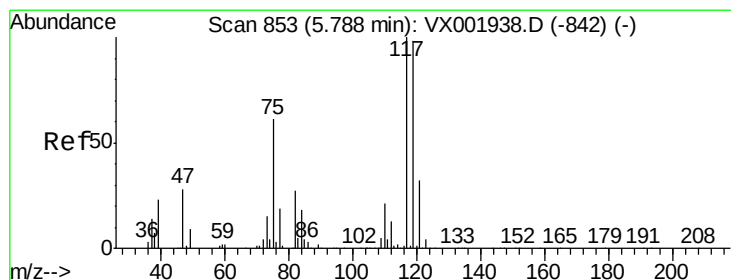
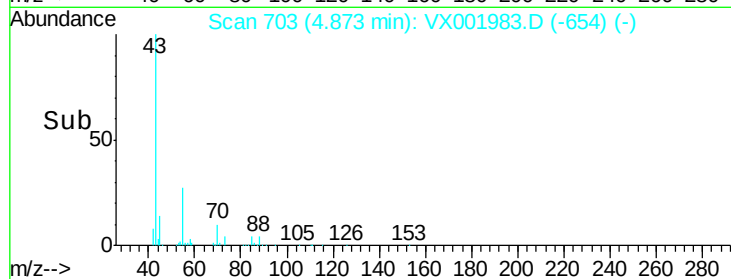
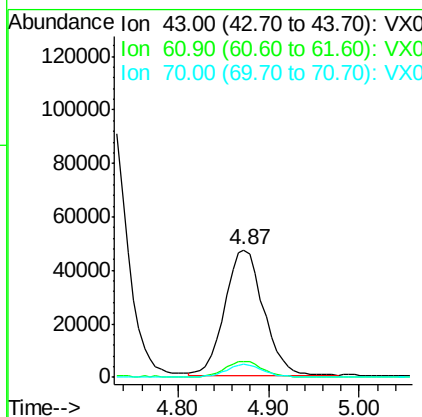
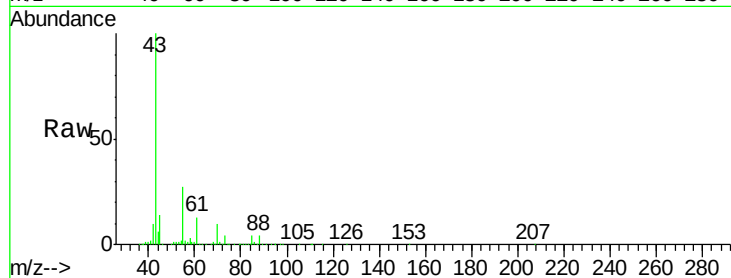
#37
Ethyl Acetate
Concen: 19.840 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.7	7.8	11.8

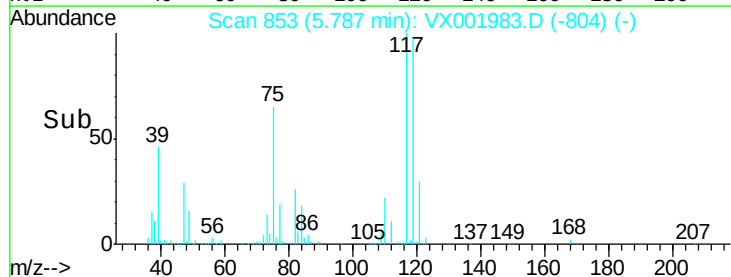
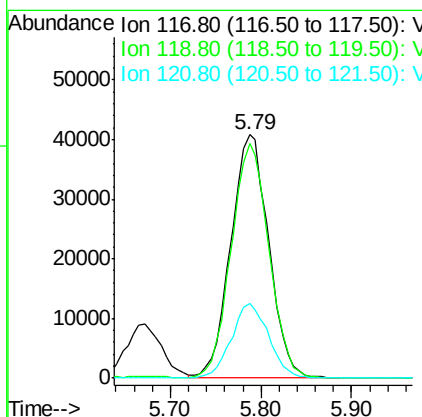
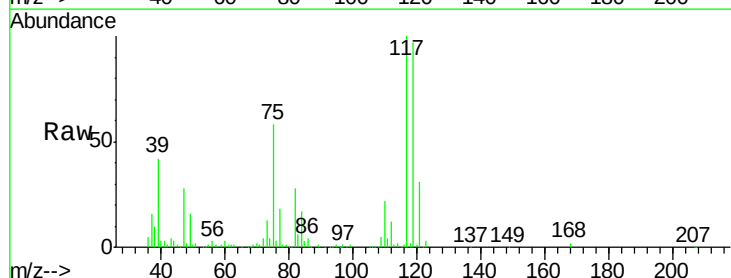
Manual Integrations
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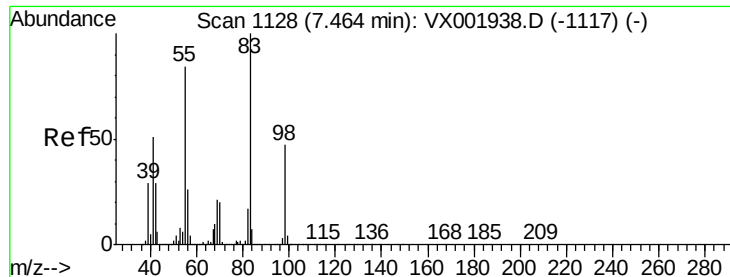
MMDadoda
5/29/2018 4:39:23 PM



#38
Carbon Tetrachloride
Concen: 18.694 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.5	117.7
121	30.6	25.5	38.3





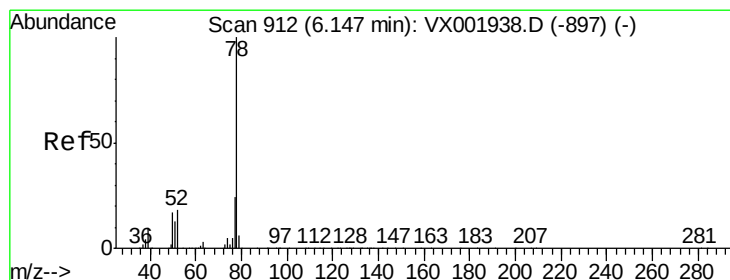
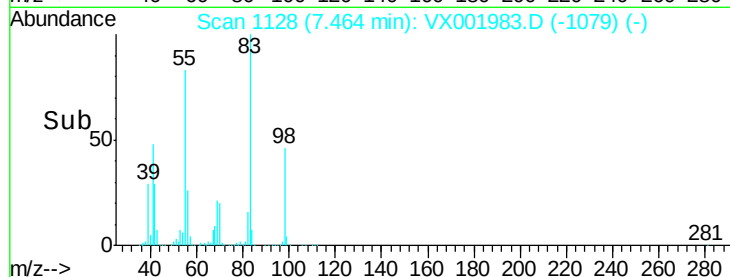
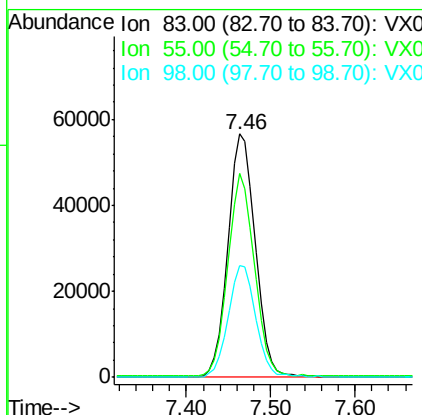
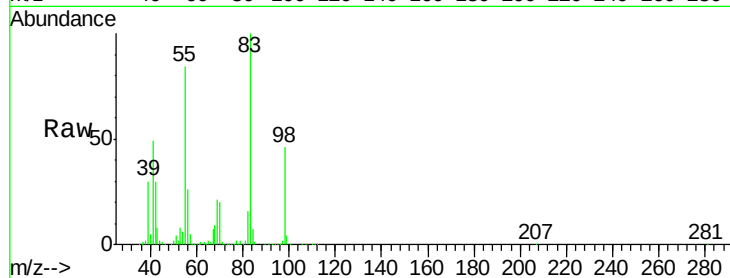
#39
Methylvlcyclohexane
Concen: 18.719 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	67.3	100.9
98	45.7	37.5	56.3

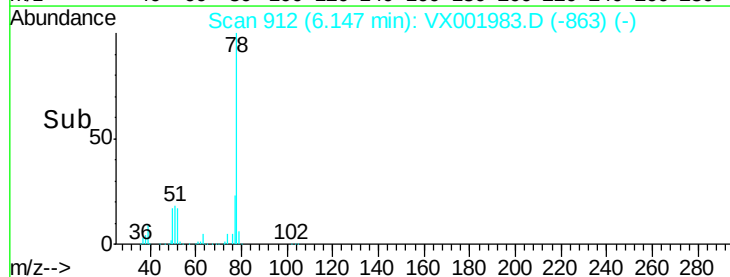
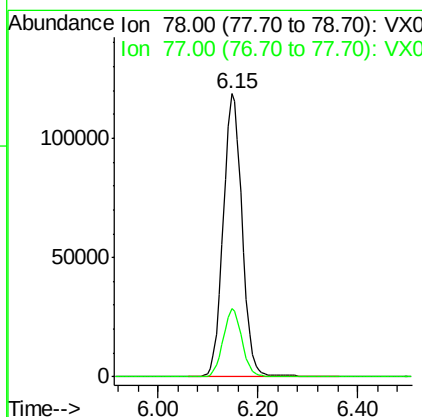
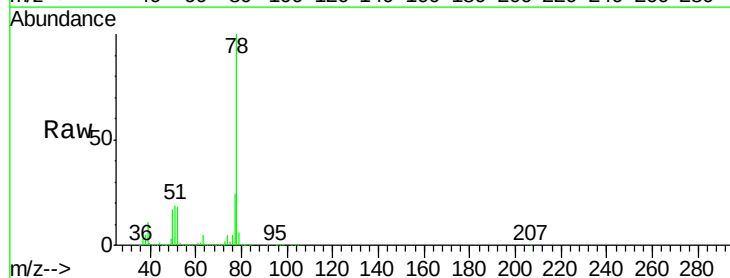
Manual Integrations
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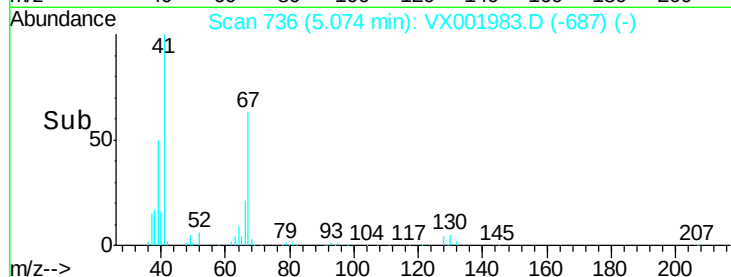
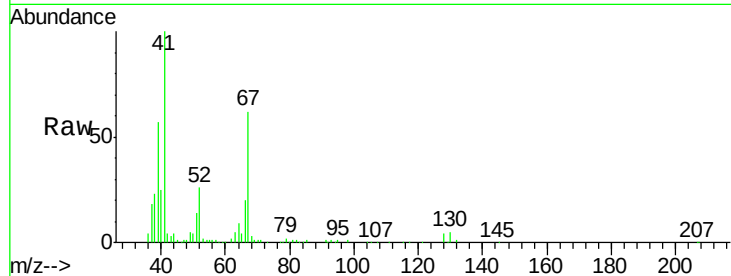
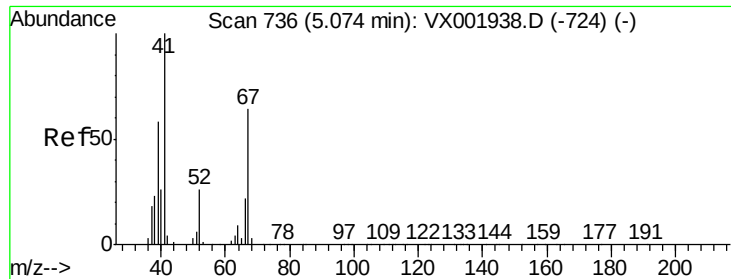
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#40
Benzene
Concen: 19.707 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

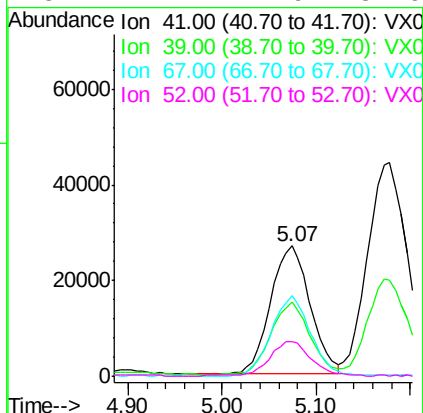
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





#41
Methacrylonitrile
Concen: 20.372 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 25 May 2018 17:56

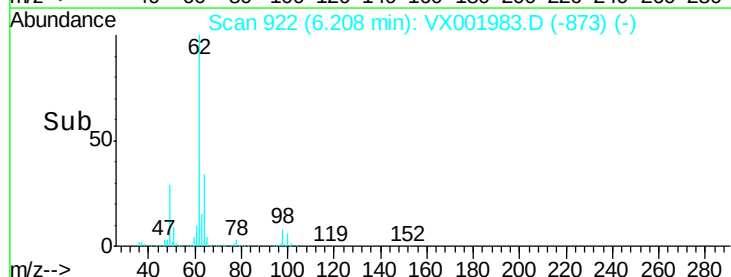
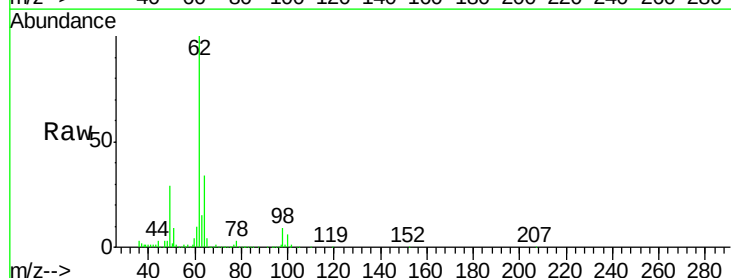
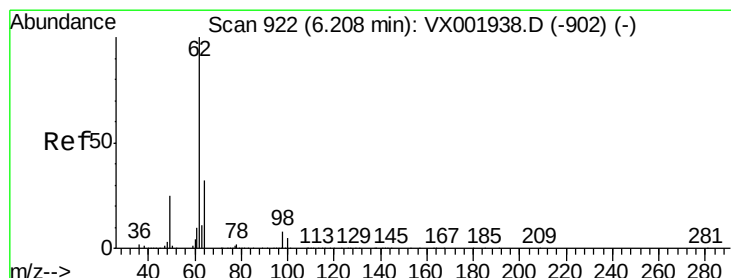
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.7	46.0	69.0		
67	61.6	50.6	75.8		
52	27.7	21.9	32.9		



Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

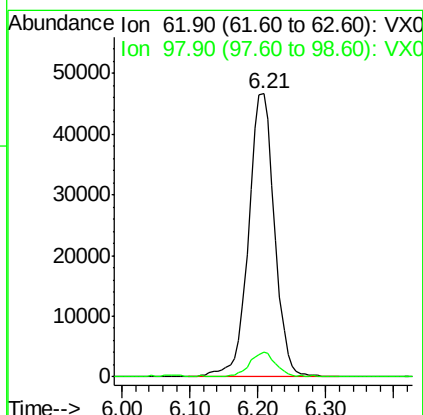
Manual Integrations
APPROVED

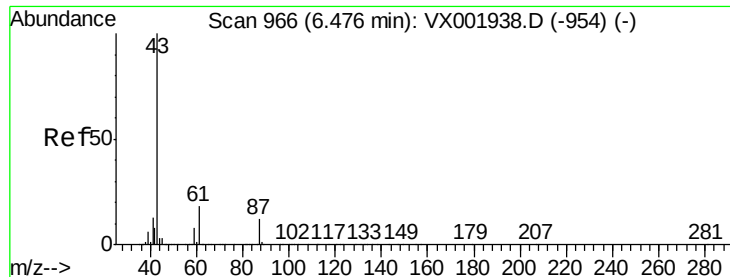
MMDadoda
5/29/2018 4:39:23 PM



#42
1,2-Dichloroethane
Concen: 19.391 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX001938.D
Acq: 25 May 2018 17:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.6	0.0	17.0		





#43

Isopropyl Acetate

Concen: 20.009 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

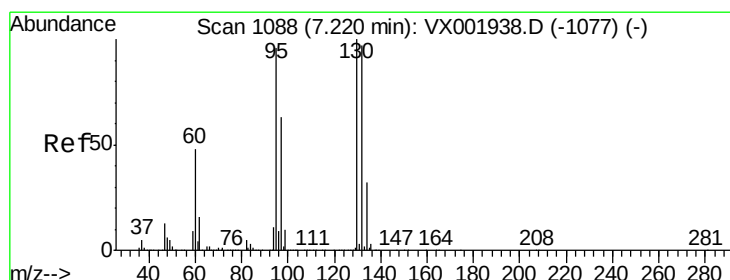
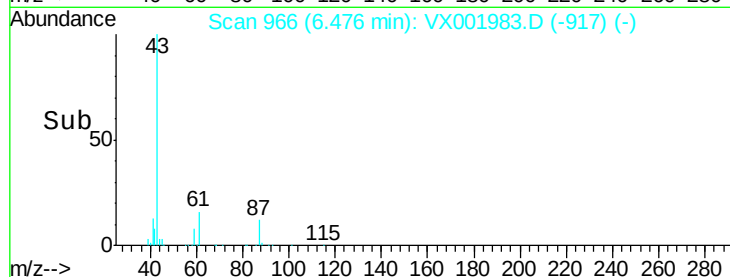
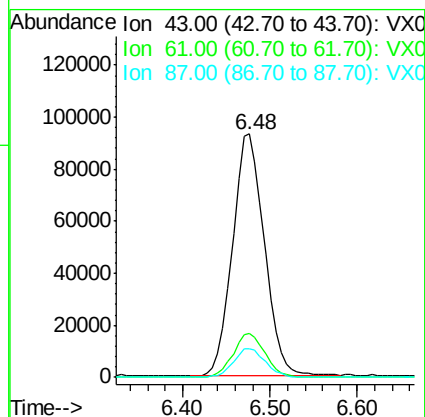
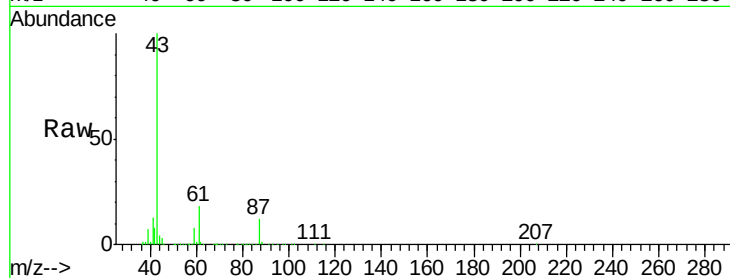
ClientSampleId :

VX0525WBSD01

Tot Ion:	43	Resp:	23552
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.5	21.7
87	11.9	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 19.488 ug/l

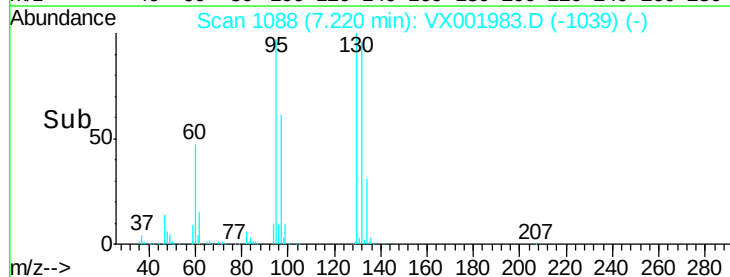
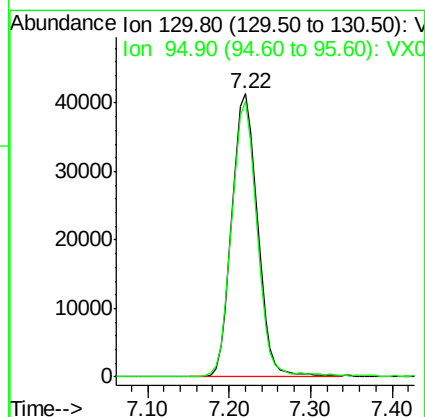
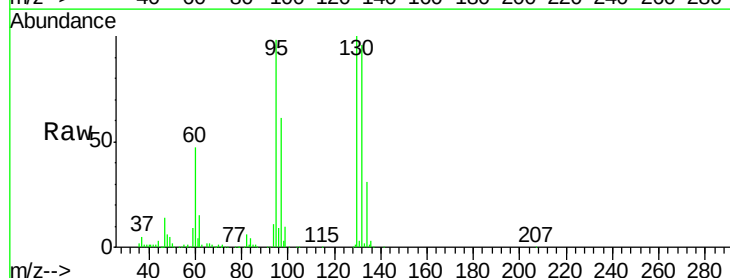
RT: 7.22 min Scan# 1088

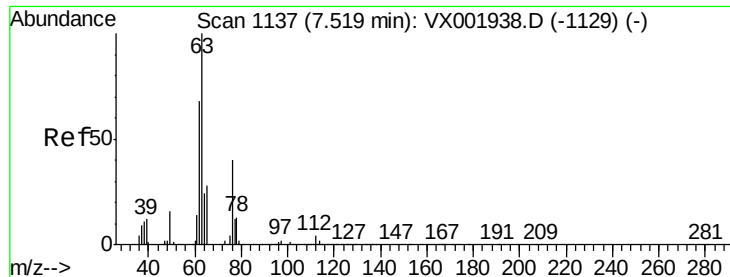
Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Tgt Ion:	130	Resp:	90166
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	192.0





#45

1,2-Dichloropropane

Concen: 19.930 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion: 63 Resp: 85934

Ion Ratio Lower Upper

63 100

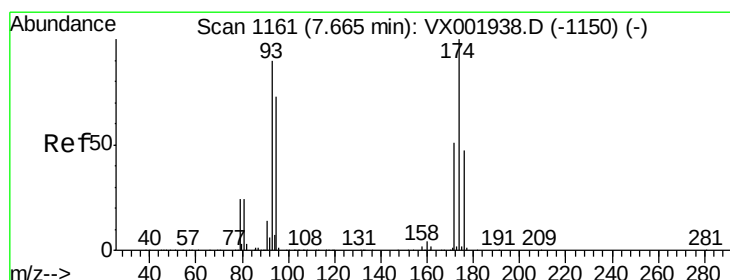
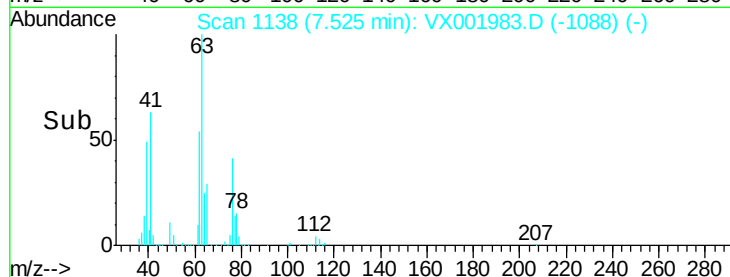
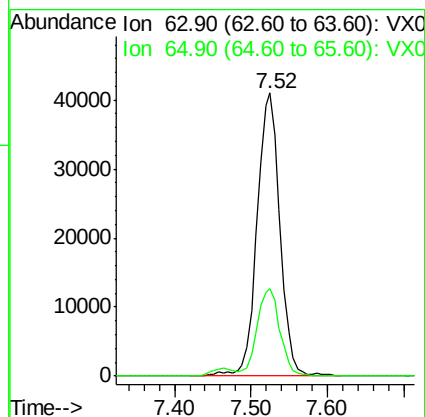
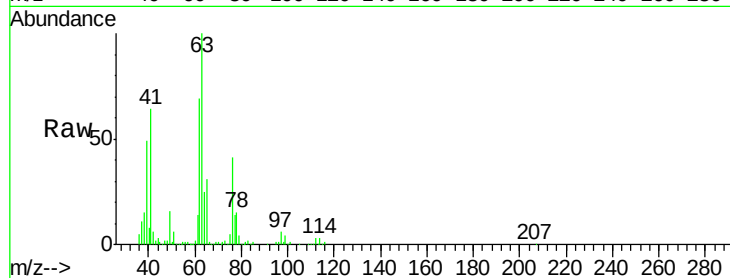
65 30.7 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 20.311 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

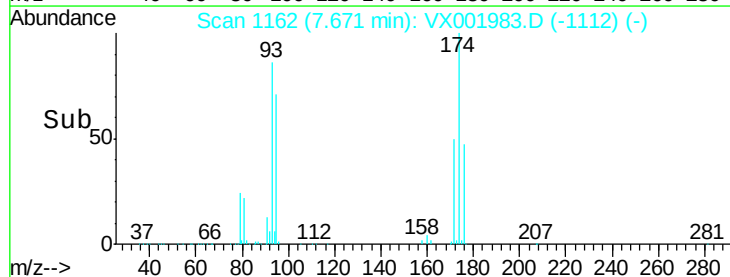
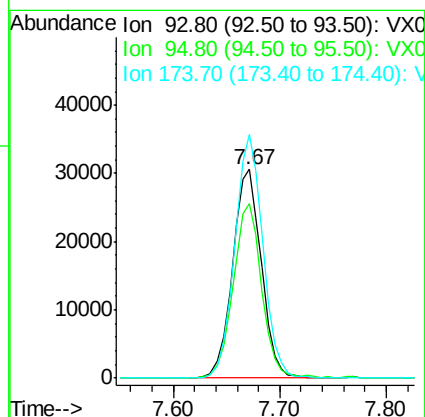
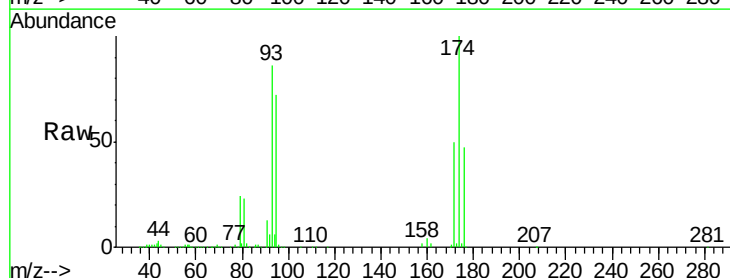
Tgt Ion: 93 Resp: 57985

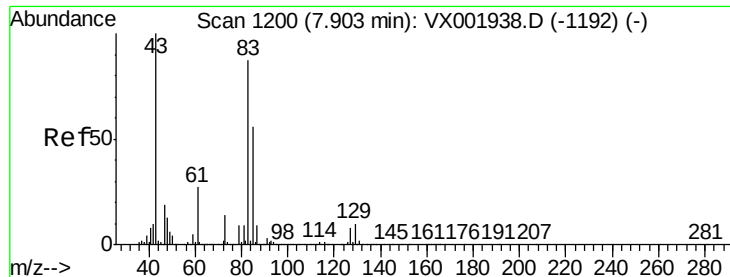
Ion Ratio Lower Upper

93 100

95 82.0 66.1 99.1

174 114.2 92.5 138.7





#47

Bromodichloromethane

Concen: 19.027 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

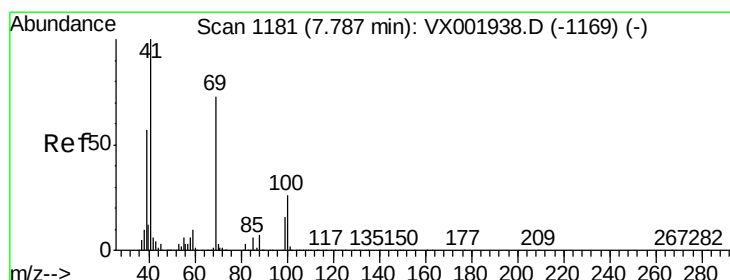
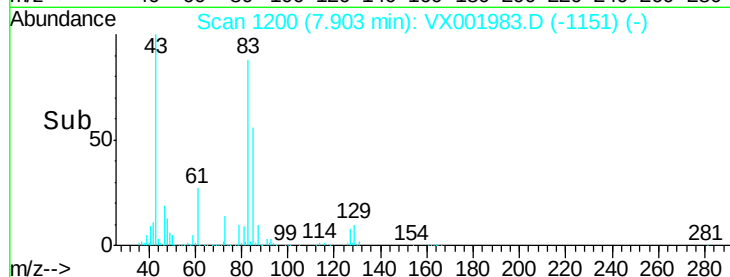
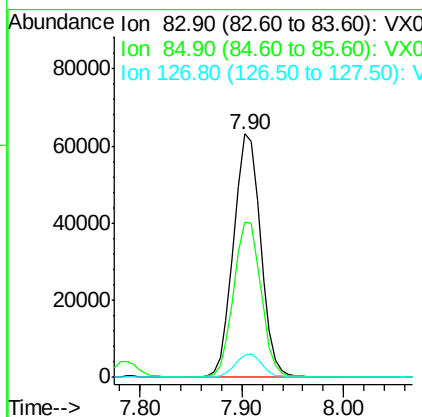
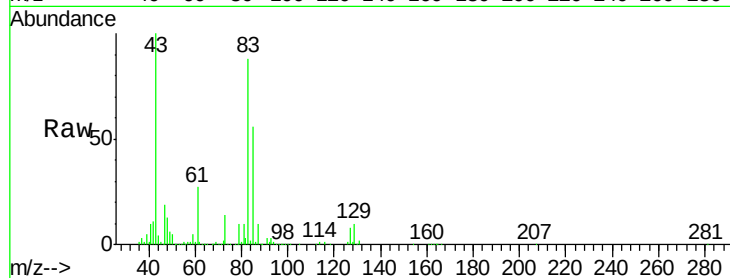
ClientSampleId :

VX0525WBSD01

Tot Ion:	83	Resp:	115820
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.4	77.2
127	9.1	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.942 ug/l

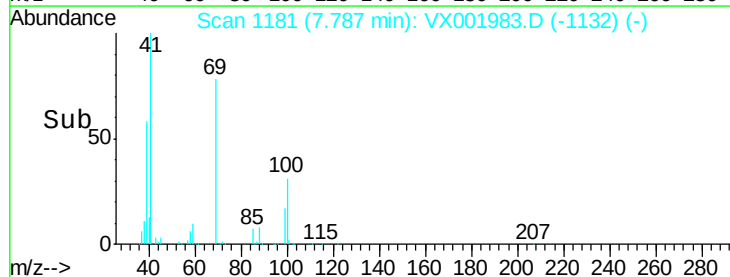
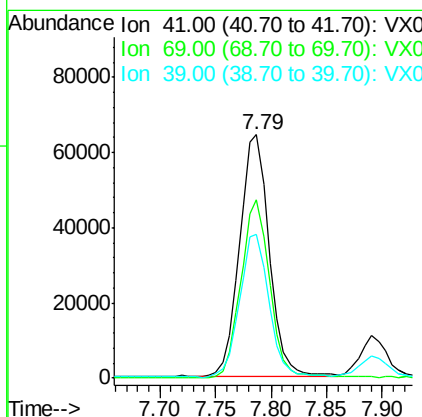
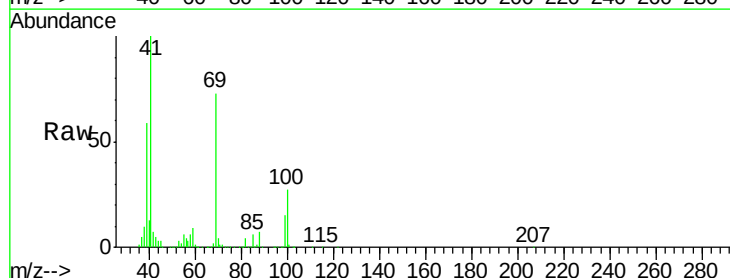
RT: 7.79 min Scan# 1181

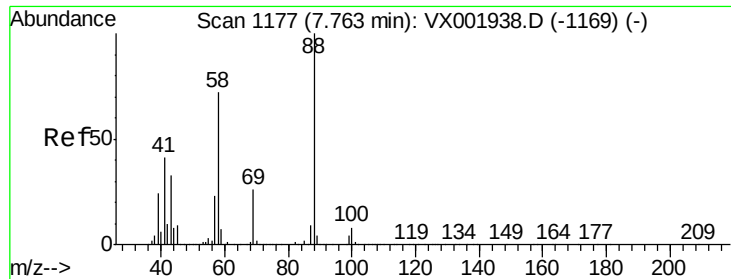
Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Tgt Ion:	41	Resp:	119489
Ion Ratio	Lower	Upper	
41	100		
69	71.1	58.6	87.8
39	58.5	46.3	69.5





#49

1,4-Dioxane

Concen: 426.526 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

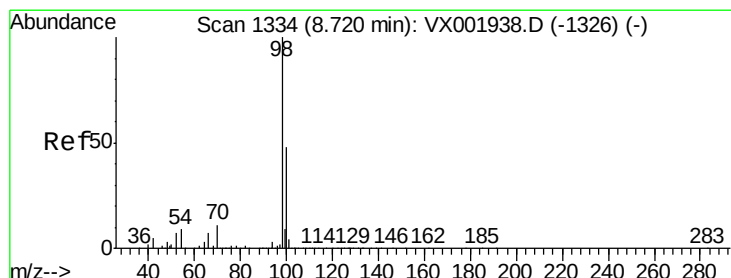
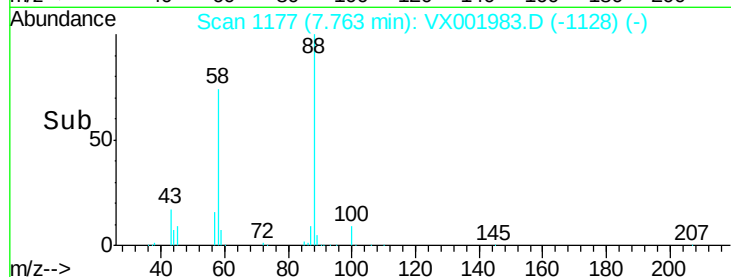
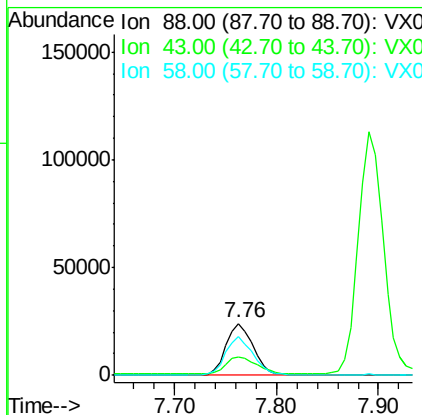
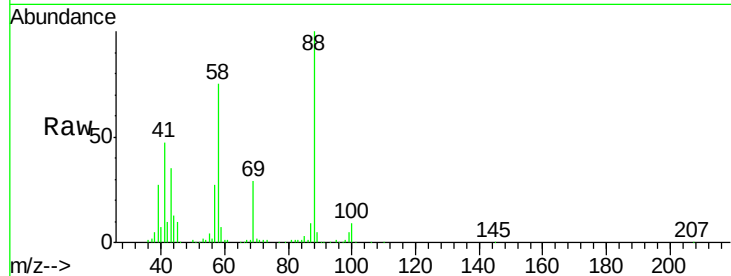
ClientSampleId :

VX0525WBSD01

Tot Ion:	88	Resp:	45035
Ion	Ratio	Lower	Upper
88	100		
43	38.1	29.8	44.8
58	74.1	58.7	88.1

Manual Integrations
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#50

Toluene-d8

Concen: 49.865 ug/l

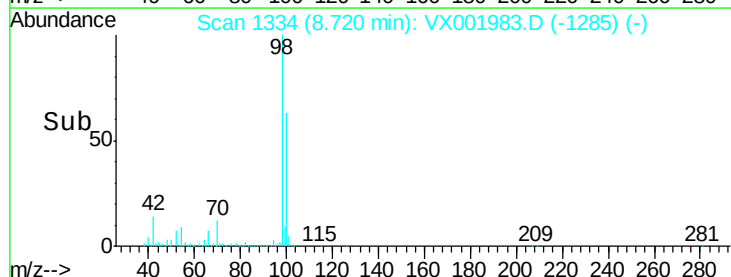
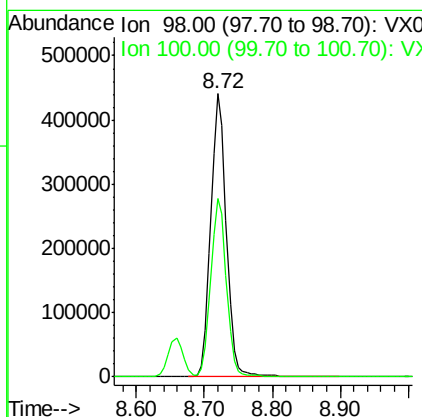
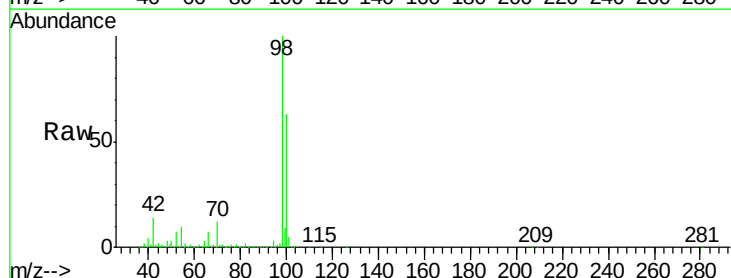
RT: 8.72 min Scan# 1334

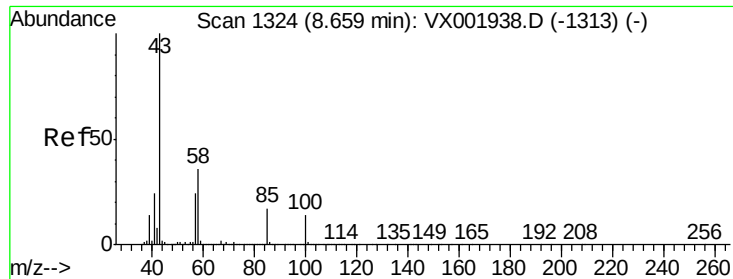
Delta R.T. 0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Tgt Ion:	98	Resp:	703384
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.5	77.3





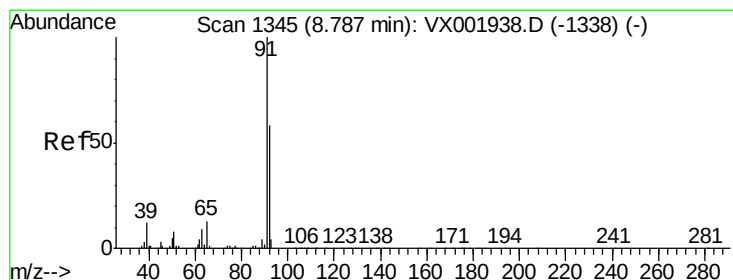
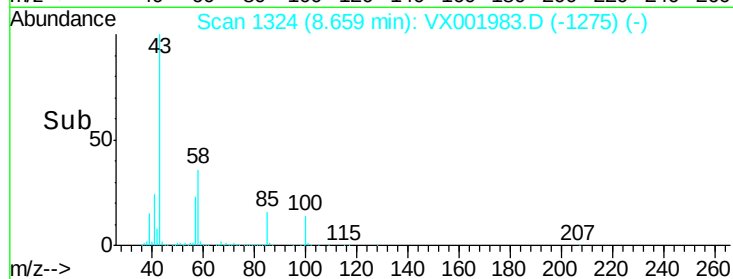
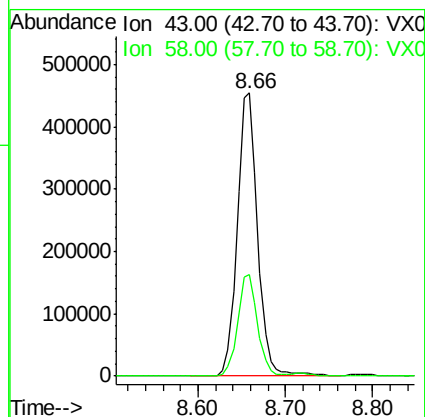
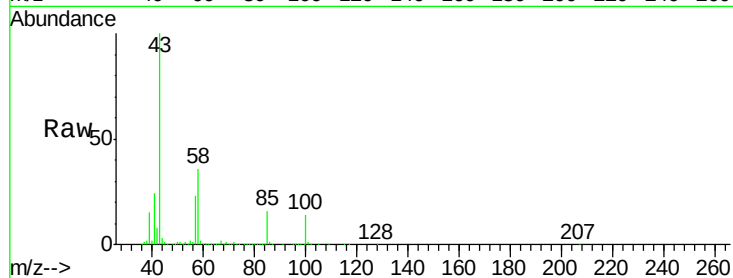
#51
4-Methyl-2-Pentanone
Concen: 103.868 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.5	42.7

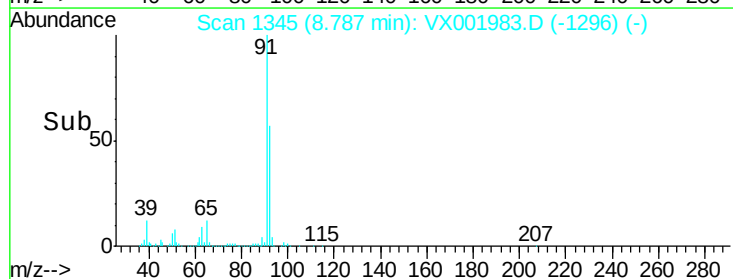
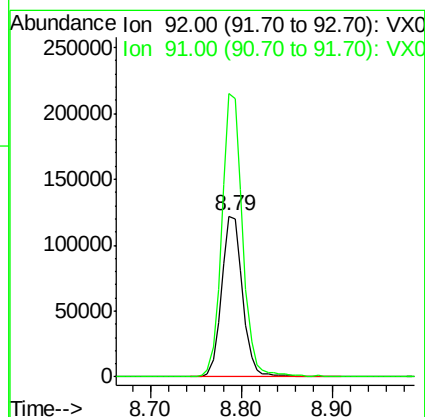
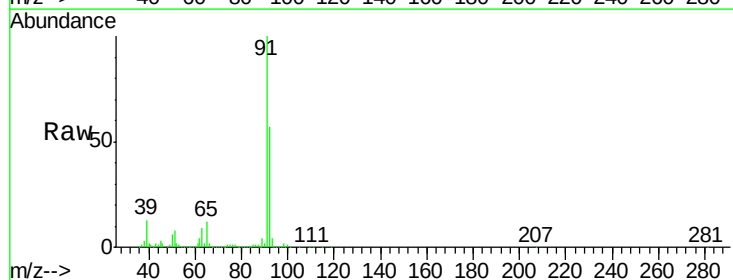
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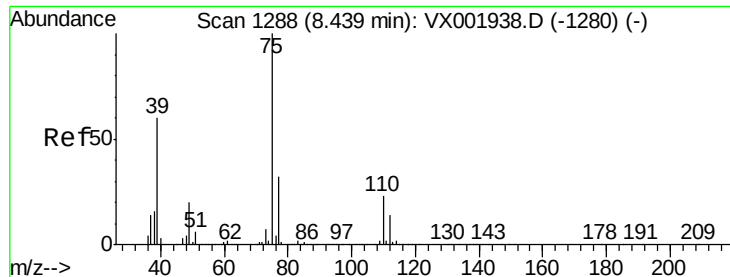
MMDadoda
5/29/2018 4:39:23 PM



#52
Toluene
Concen: 19.523 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.6	139.4	209.2





#53

t-1,3-Dichloropropene

Concen: 19.429 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion: 75 Resp: 136215

Ion Ratio Lower Upper

75 100

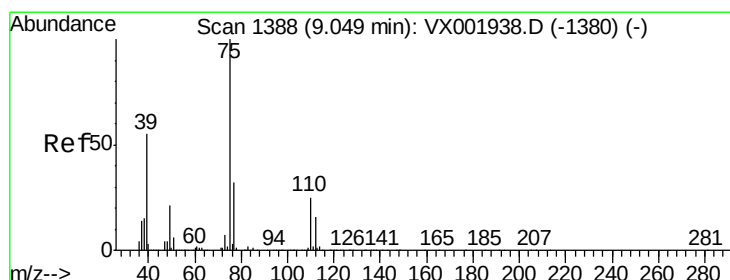
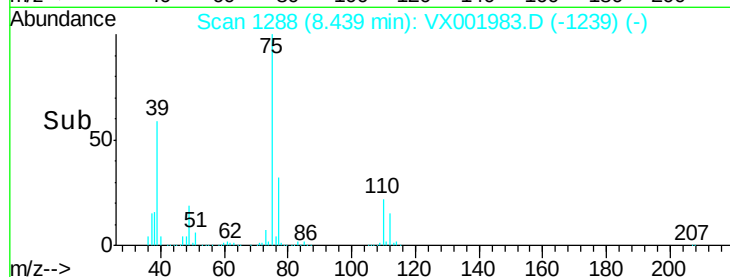
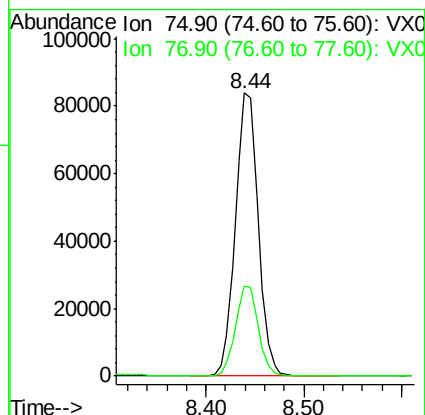
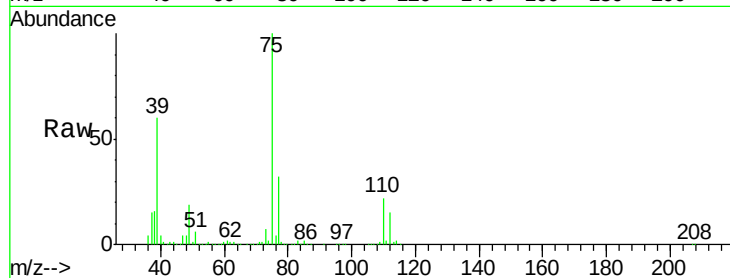
77 31.8 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.329 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

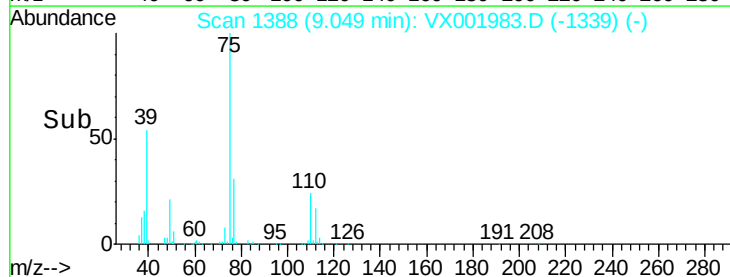
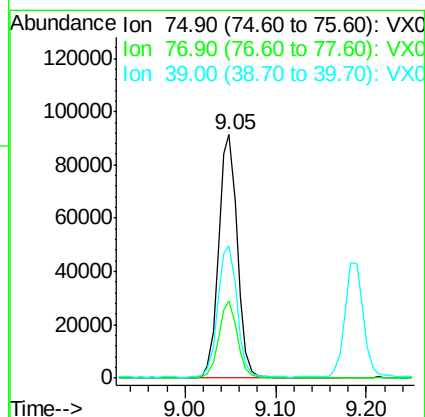
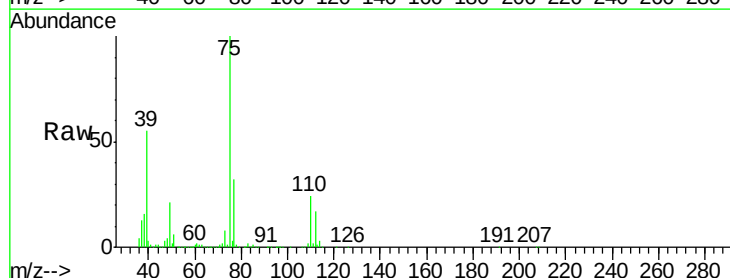
Tgt Ion: 75 Resp: 132045

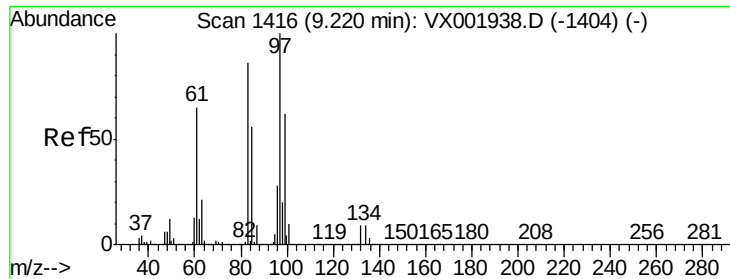
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 54.1 44.1 66.1





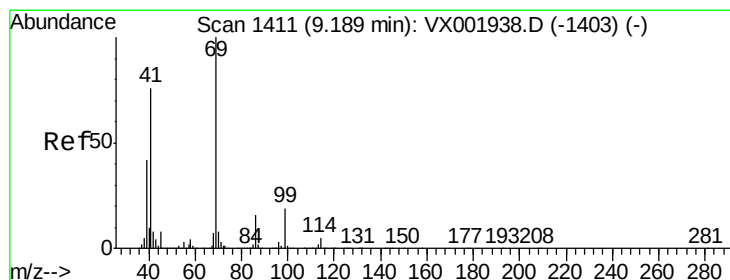
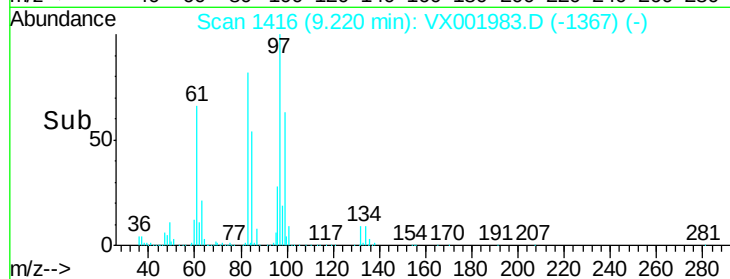
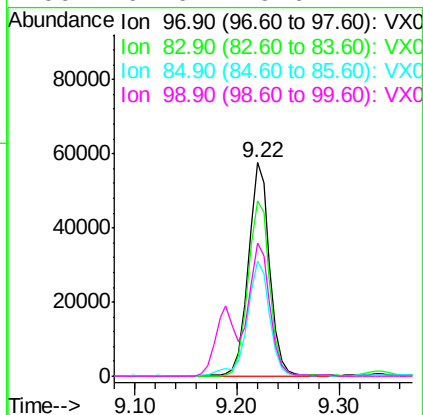
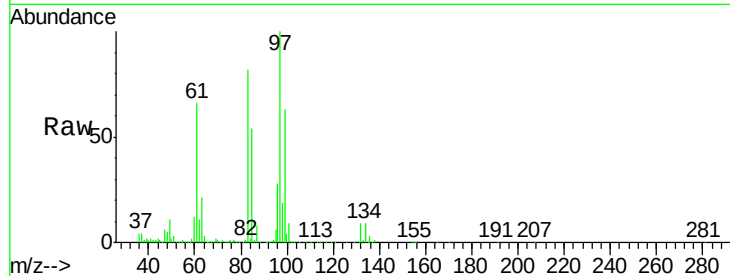
#55
 1,1,2-Trichloroethane
 Concen: 19.826 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001983.D
 Acq: 25 May 2018 17:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD01

Tot Ion:	97	Resp:	83689
Ion	Ratio	Lower	Upper
97	100		
83	81.8	69.1	103.7
85	53.8	45.2	67.8
99	62.6	49.6	74.4

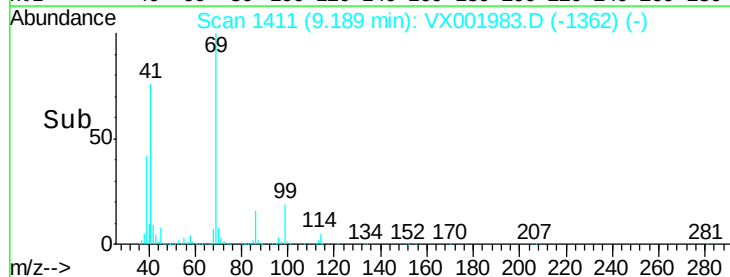
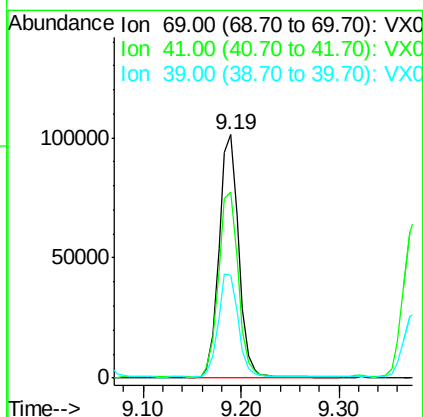
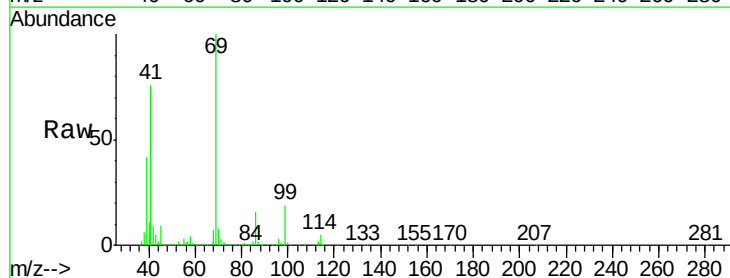
Manual Integrations
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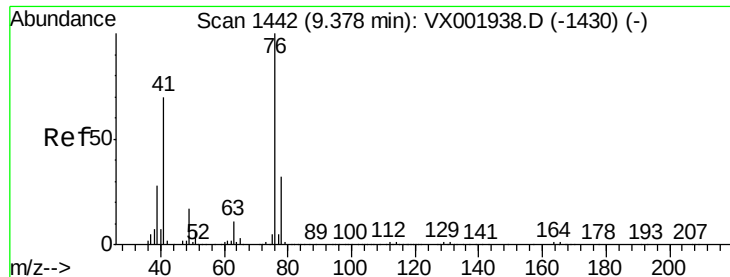
MMDadoda
 5/29/2018 4:39:23 PM



#56
 Ethyl methacrylate
 Concen: 19.381 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001983.D
 Acq: 25 May 2018 17:56

Tgt Ion:	69	Resp:	140715
Ion	Ratio	Lower	Upper
69	100		
41	77.2	61.0	91.6
39	43.4	34.4	51.6





#57

1,3-Dichloropropane

Concen: 20.200 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion: 76 Resp: 140465

Ion Ratio Lower Upper

76 100

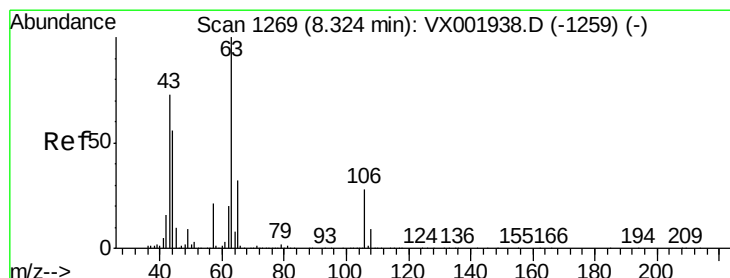
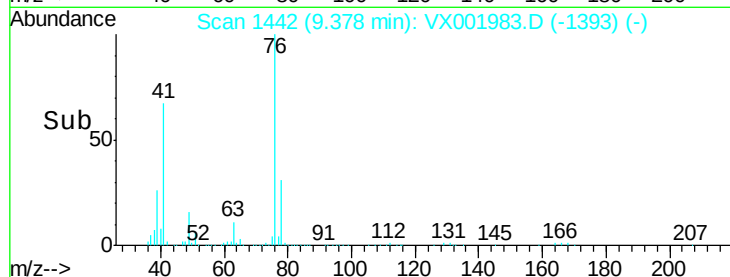
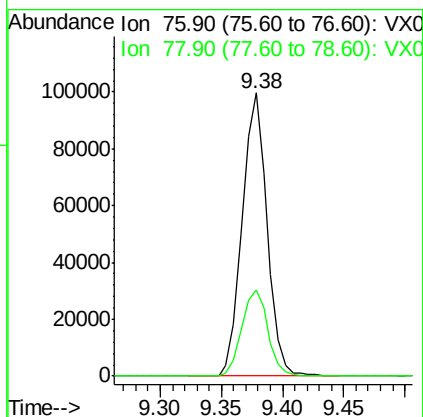
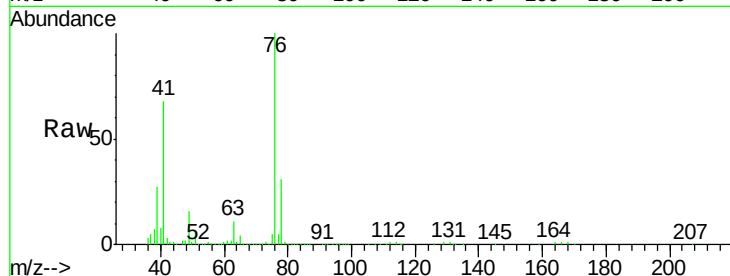
78 32.1 25.6 38.4

Manual Integrations

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5/29/2018 4:39:23 PM



#58

2-Chloroethyl Vinyl ether

Concen: 103.479 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001983.D

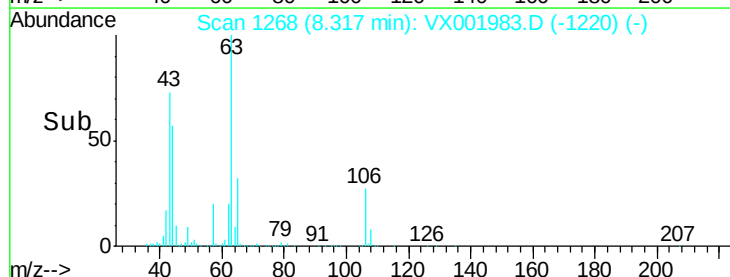
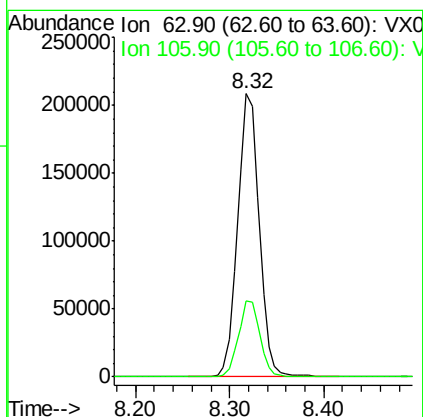
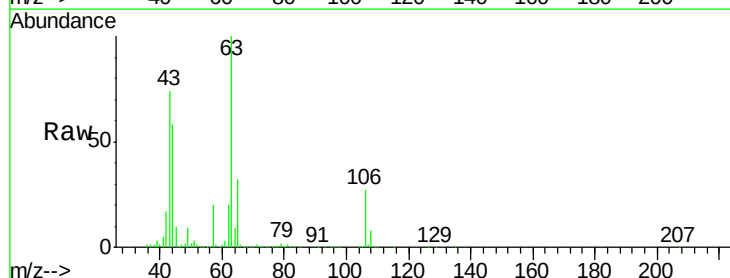
Acq: 25 May 2018 17:56

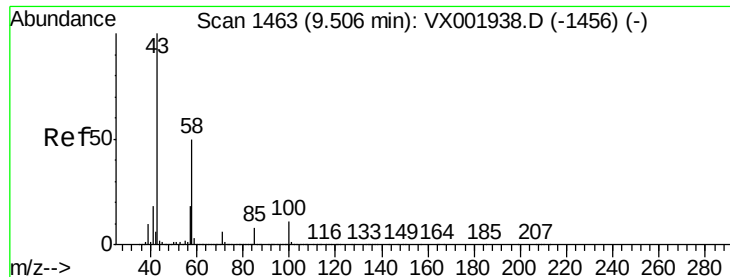
Tgt Ion: 63 Resp: 332999

Ion Ratio Lower Upper

63 100

106 26.9 21.7 32.5





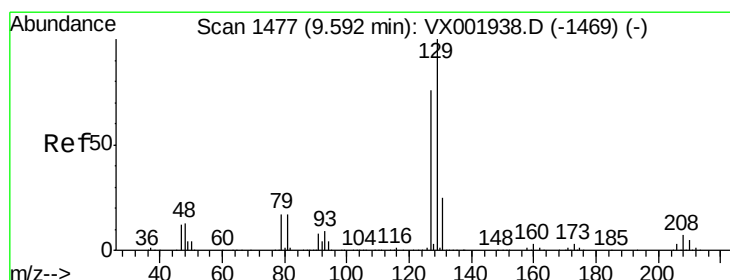
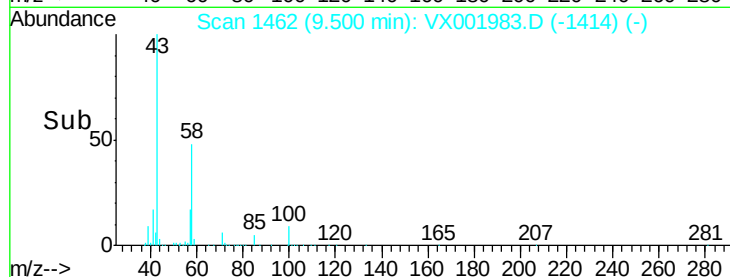
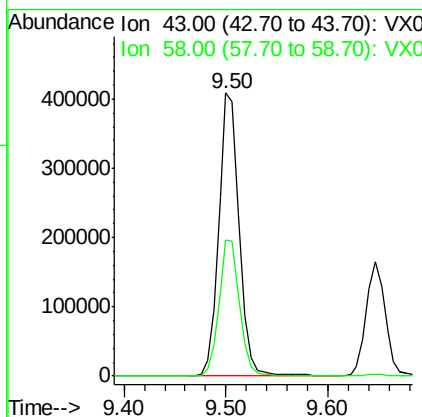
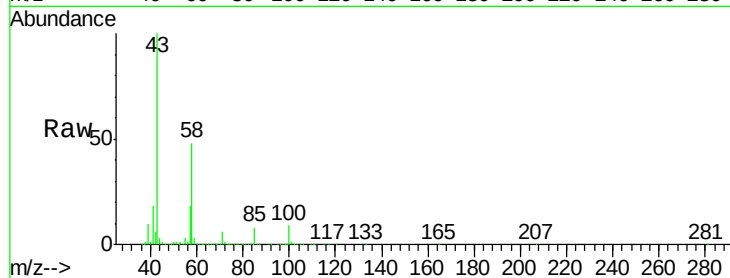
#59
2-Hexanone
Concen: 104.221 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Tot Ion: 43 Resp: 570299
Ion Ratio Lower Upper
43 100
58 48.8 24.9 74.6

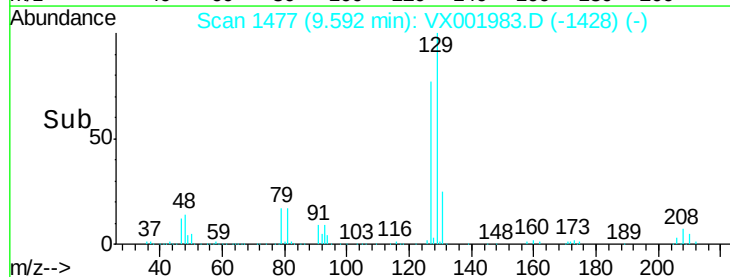
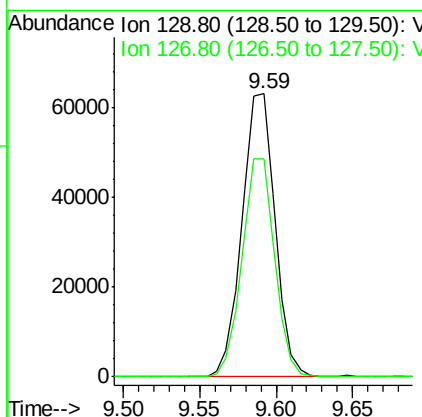
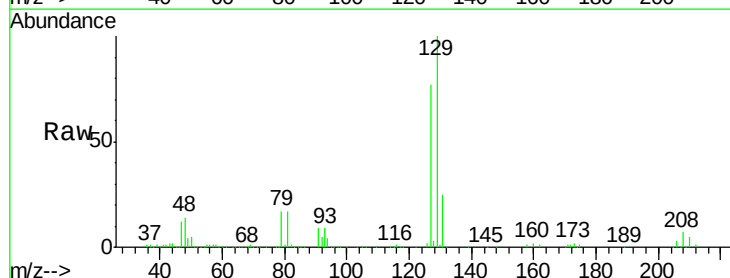
Manual Integrations
APPROVED

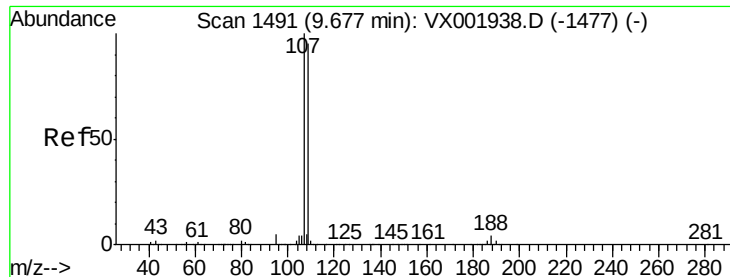
MMDadoda
5/29/2018 4:39:23 PM



#60
Dibromochloromethane
Concen: 18.982 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion: 129 Resp: 94904
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.899 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion:107 Resp: 88137

Ion Ratio Lower Upper

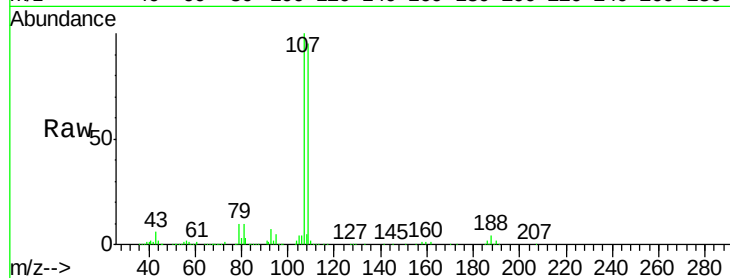
107 100

109 94.2 75.3 112.9

Manual Integrations
APPROVED

MMDadoda

5/29/2018 4:39:23 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

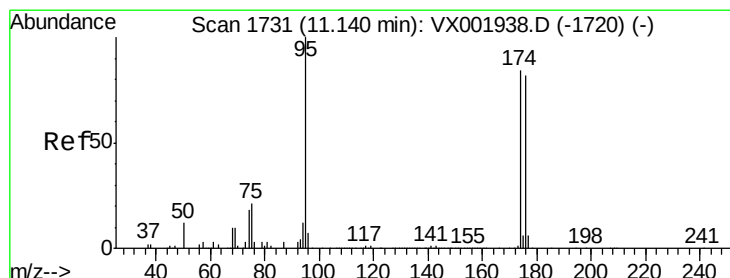
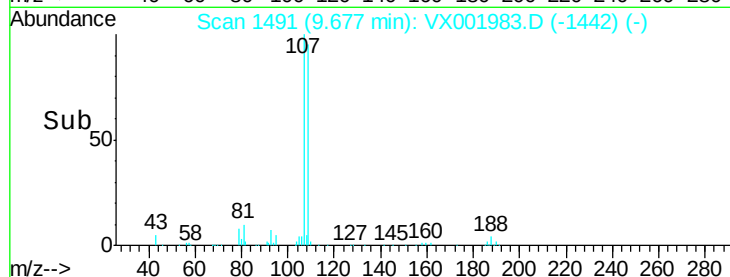
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.738 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

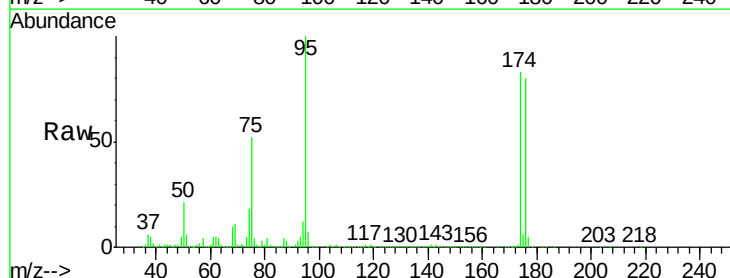
Tgt Ion: 95 Resp: 274500

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.8

176 87.5 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

300000

250000

200000

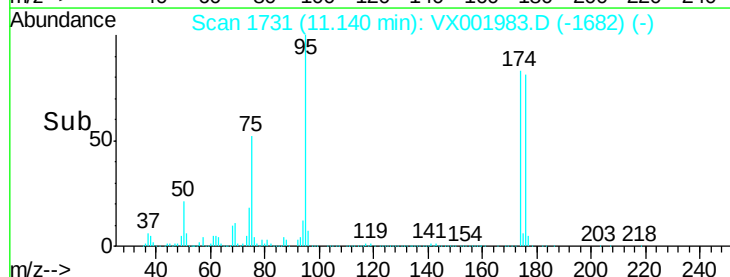
150000

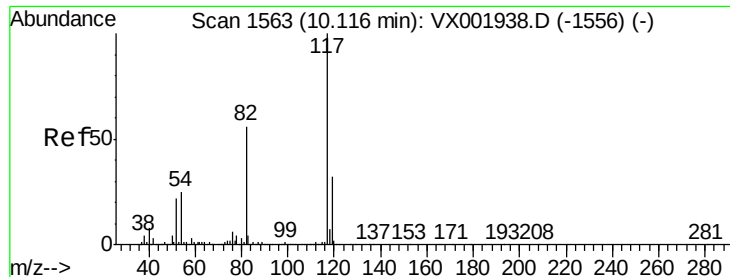
100000

50000

0

Time-->





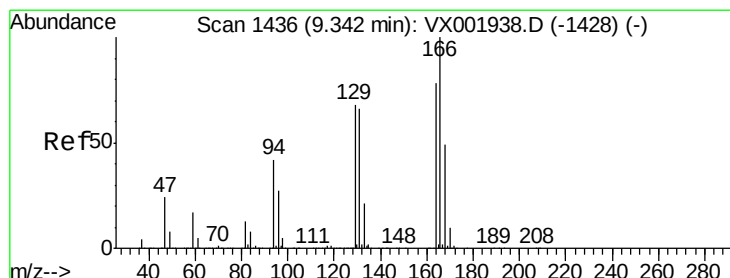
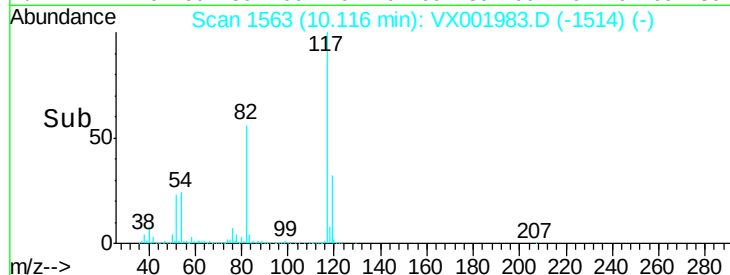
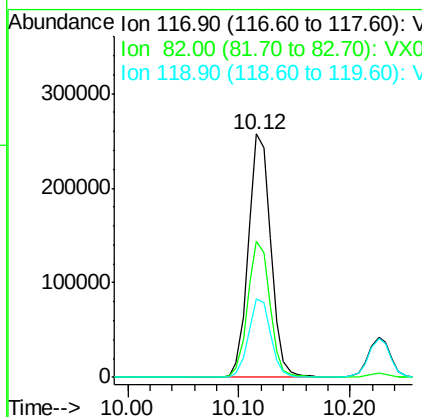
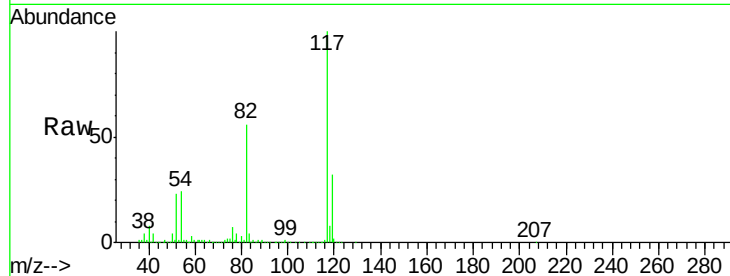
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	56.1	44.8	67.2
119	32.2	25.5	38.3

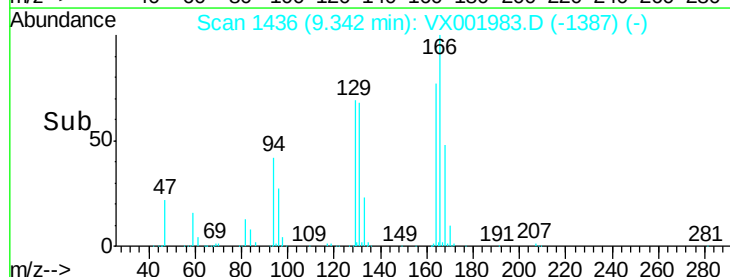
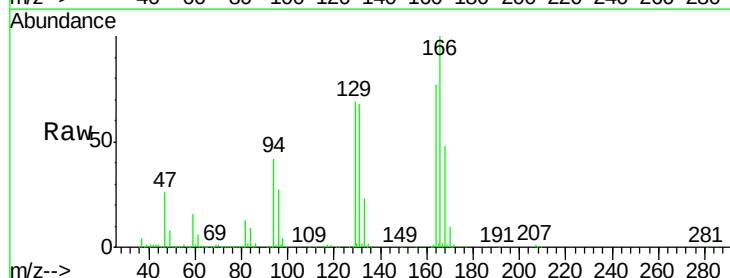
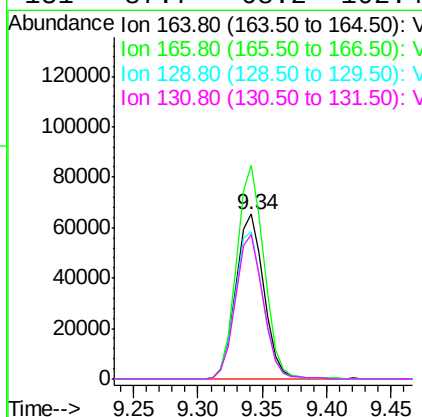
Manual Integrations
APPROVED

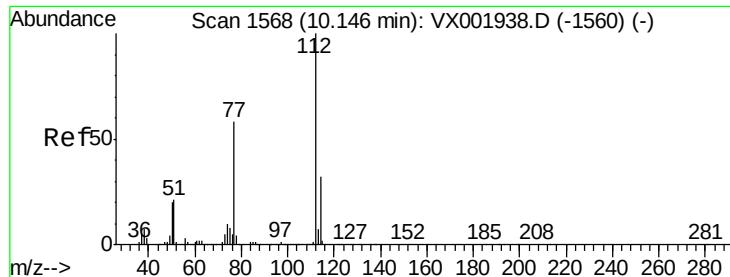
MMDadoda
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#64
Tetrachloroethene
Concen: 19.180 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	129.4	102.7	154.1
129	89.3	70.3	105.5
131	87.7	68.2	102.4





#65

Chlorobenzene

Concen: 19.492 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion:112 Resp: 222386

Ion Ratio Lower Upper

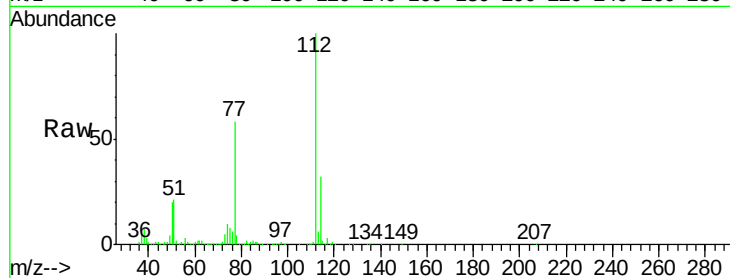
112 100

114 32.2 25.9 38.9

Manual Integrations
APPROVED

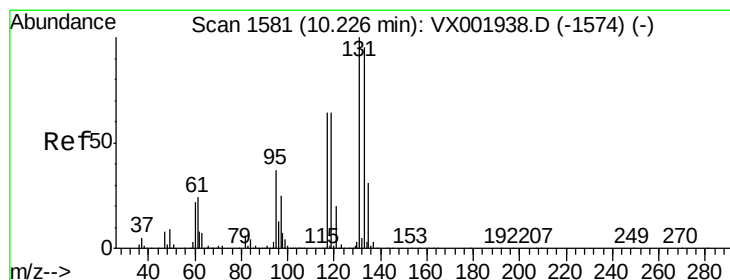
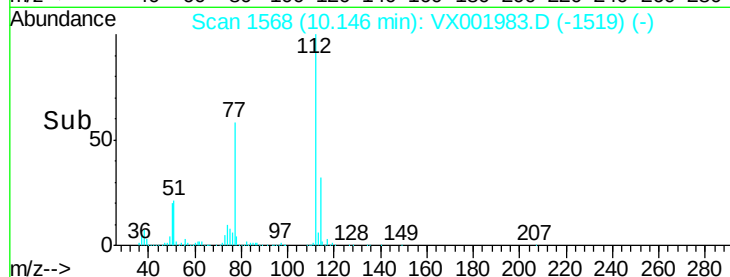
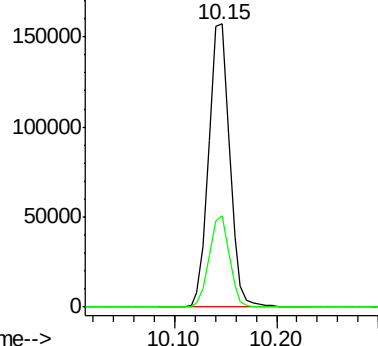
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.756 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

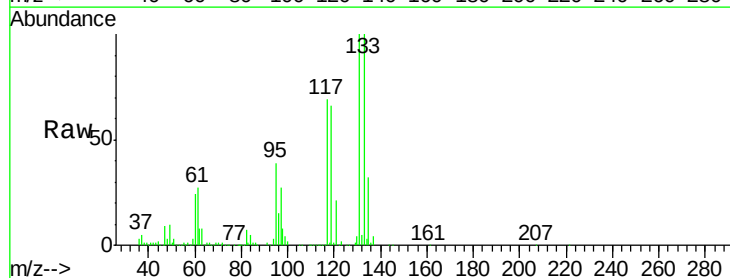
Tgt Ion:131 Resp: 86410

Ion Ratio Lower Upper

131 100

133 96.5 48.0 144.0

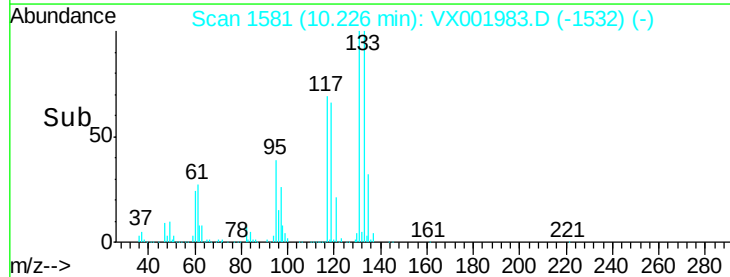
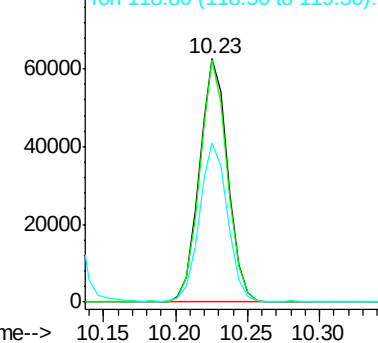
119 64.7 31.9 95.5

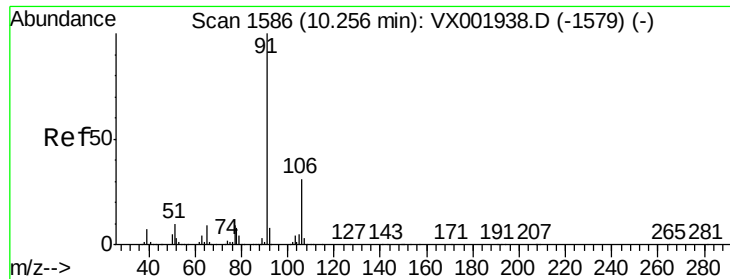


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.540 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion: 91 Resp: 387324

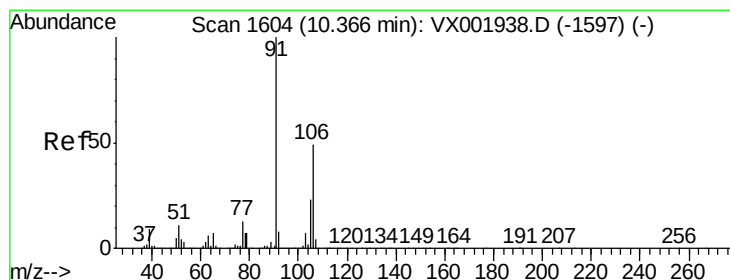
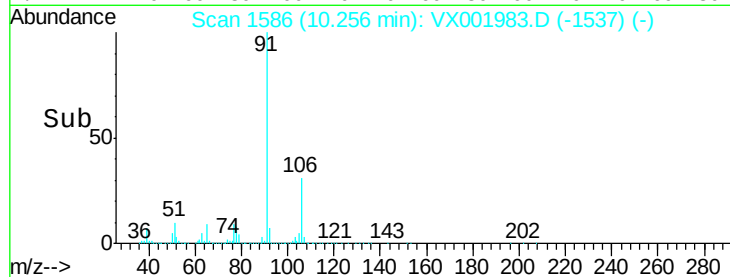
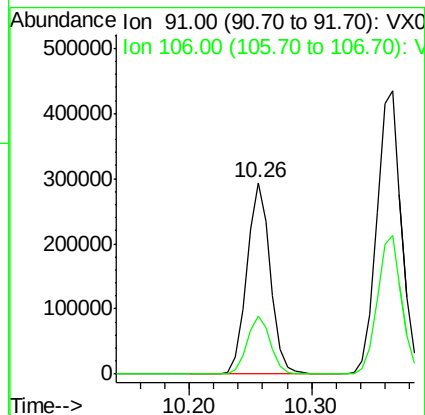
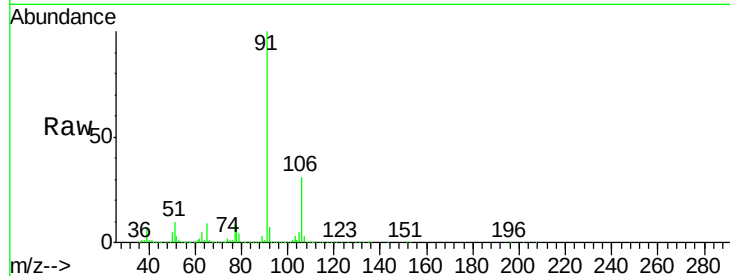
Ion Ratio Lower Upper

91 100

106 30.6 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.697 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001983.D

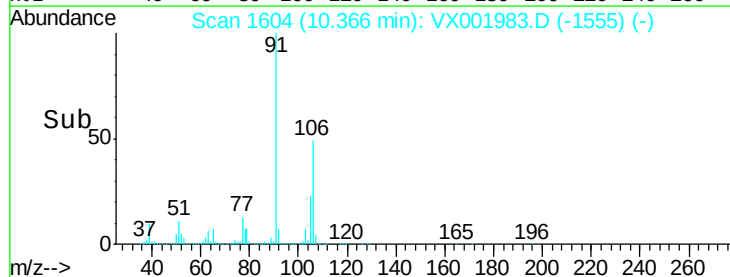
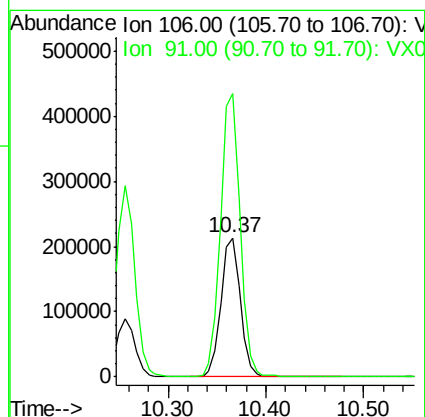
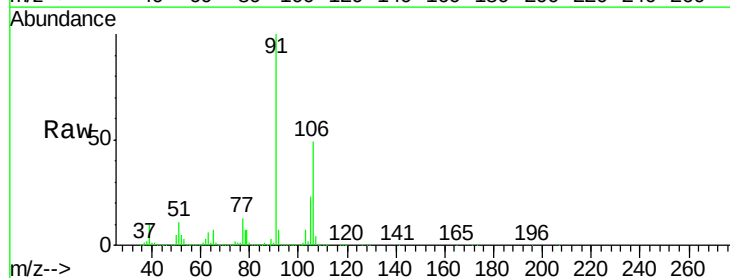
Acq: 25 May 2018 17:56

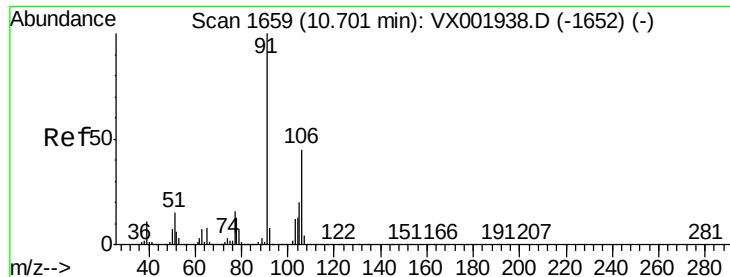
Tgt Ion: 106 Resp: 293227

Ion Ratio Lower Upper

106 100

91 206.7 165.0 247.6





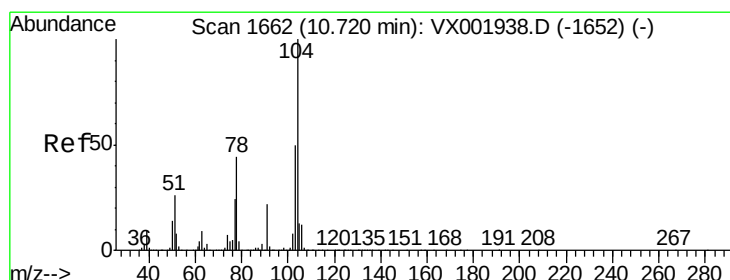
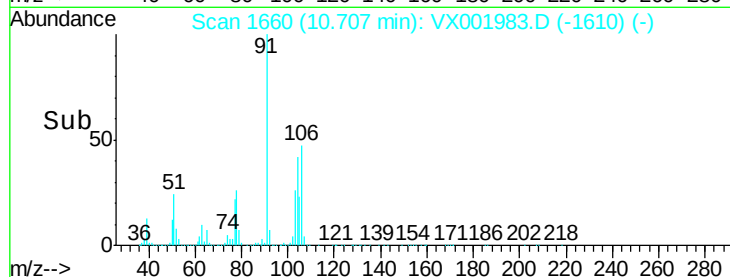
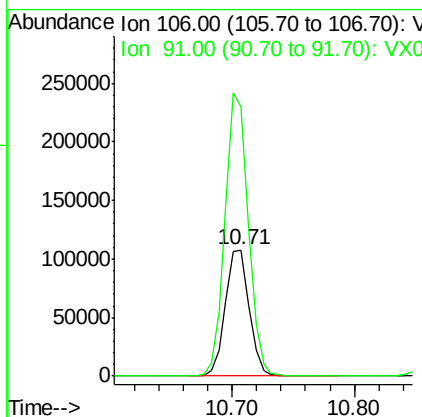
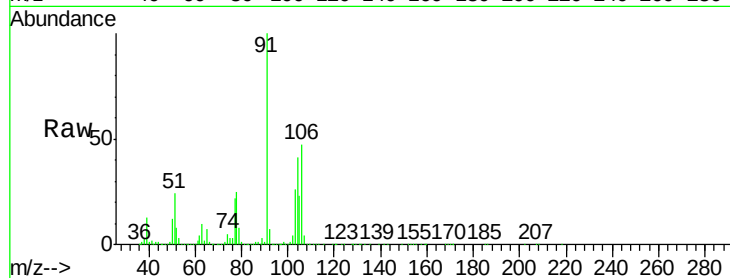
#69
o-Xylene
Concen: 19.273 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleID :
VX0525WBSD01

Tot Ion:106 Resp: 145817
Ion Ratio Lower Upper
106 100
91 218.9 108.7 325.9

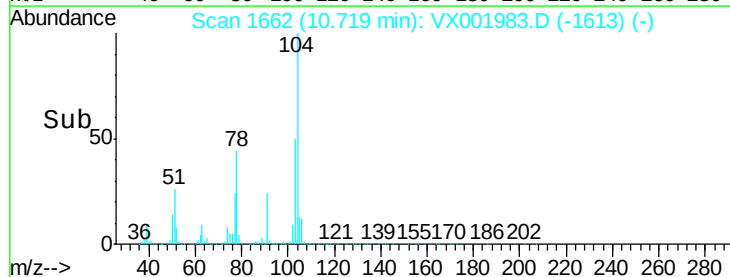
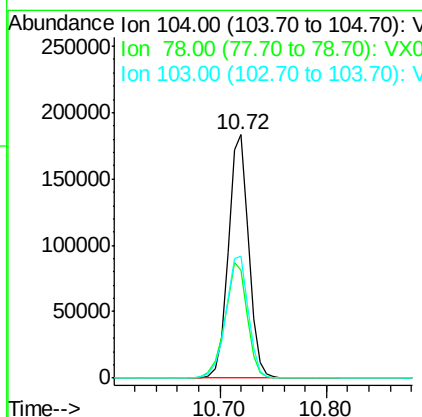
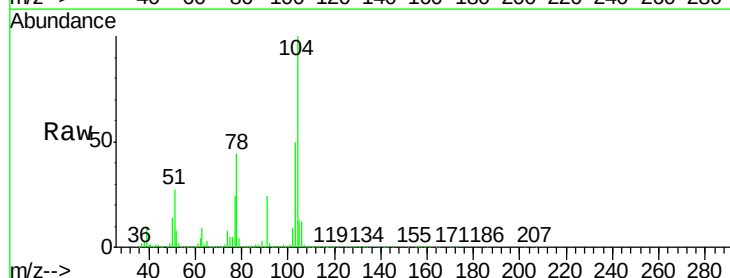
Manual Integrations
APPROVED

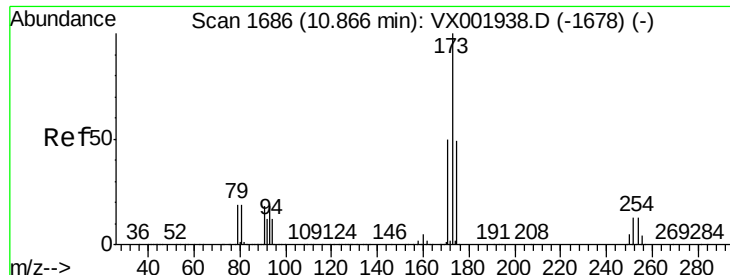
MMDadoda
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#70
Styrene
Concen: 19.583 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion:104 Resp: 245712
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.6
103 55.4 44.6 67.0





#71

Bromoform

Concen: 18.363 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion:173 Resp: 80217

Ion Ratio Lower Upper

173 100

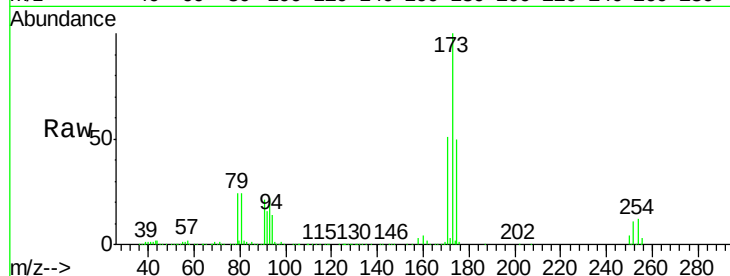
175 48.5 24.3 72.9

254 0.2 0.1 0.1#

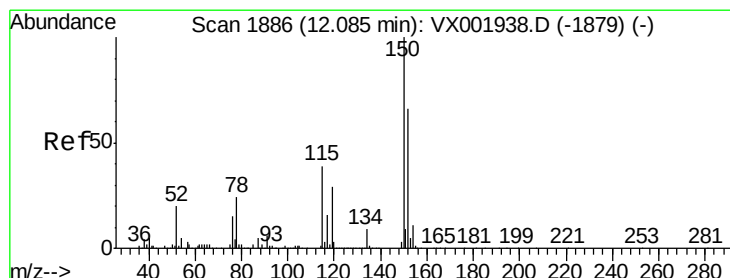
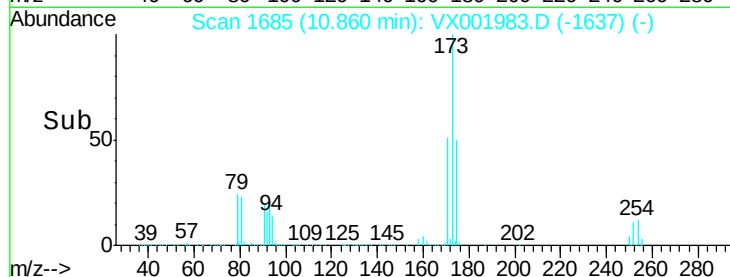
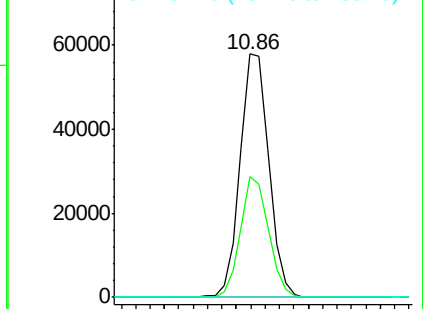
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

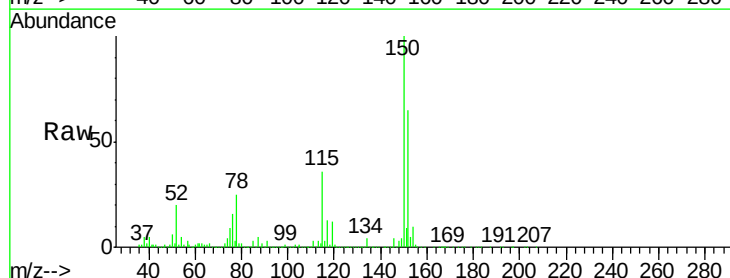
Tgt Ion:152 Resp: 239246

Ion Ratio Lower Upper

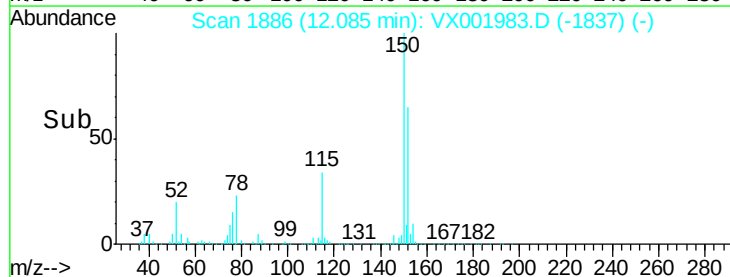
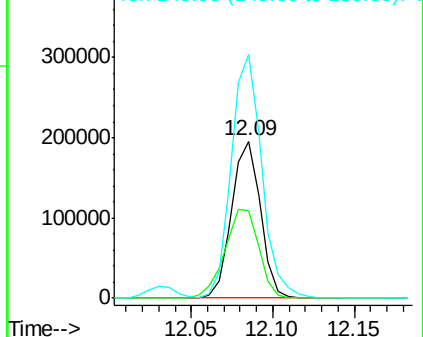
152 100

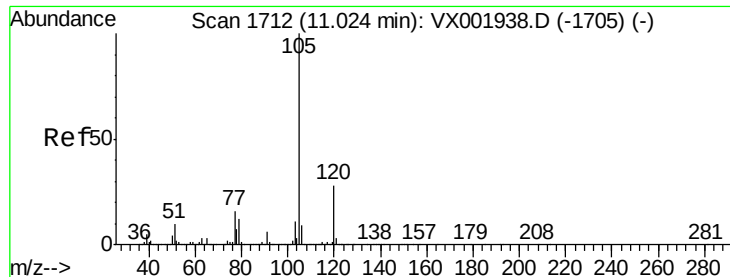
115 67.2 42.3 126.8

150 164.3 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: 19.270 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion:105 Resp: 390395

Ion Ratio Lower Upper

105 100

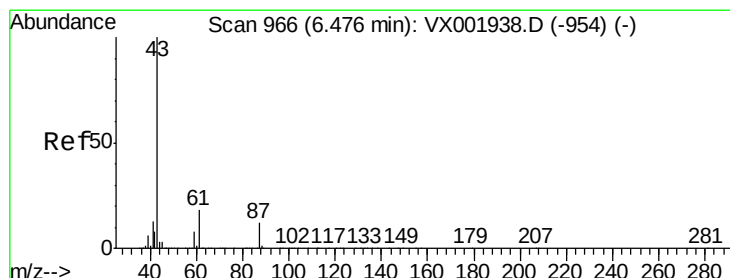
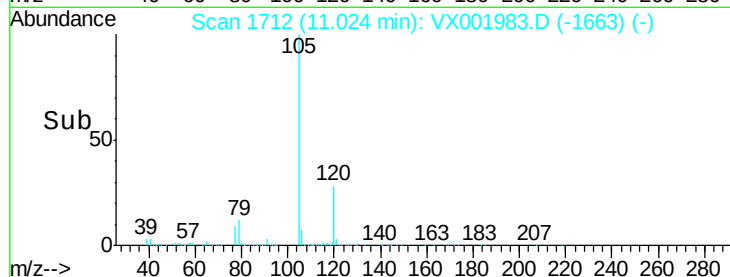
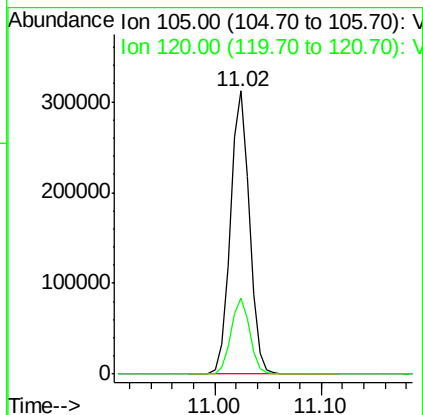
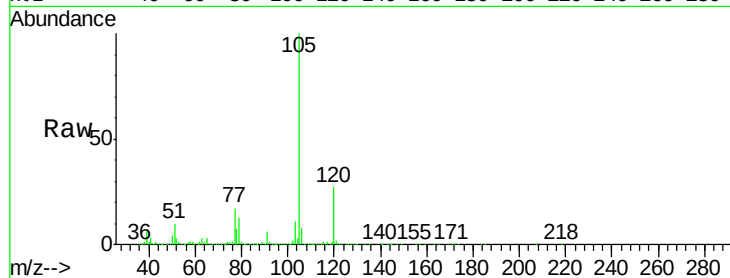
120 26.8 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.555 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Tgt Ion: 43 Resp: 235552

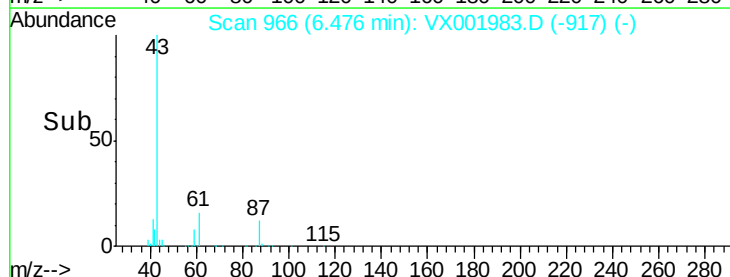
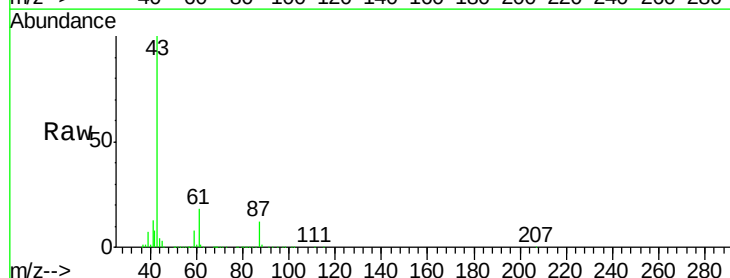
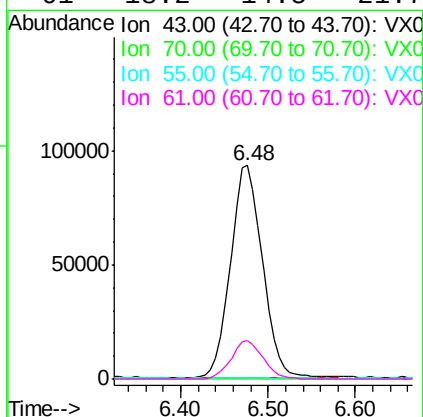
Ion Ratio Lower Upper

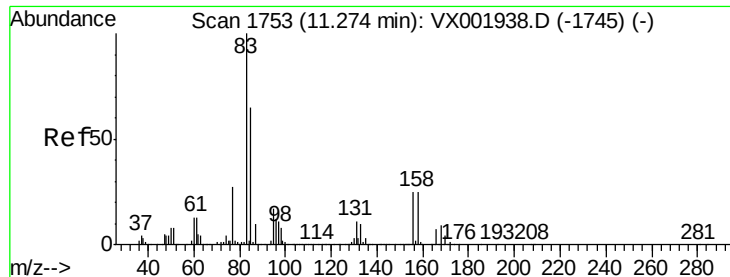
43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1#

61 18.2 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.741 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

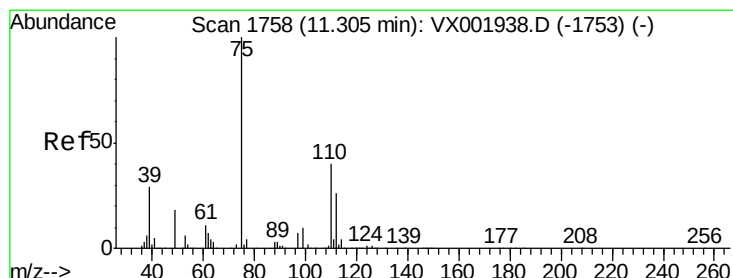
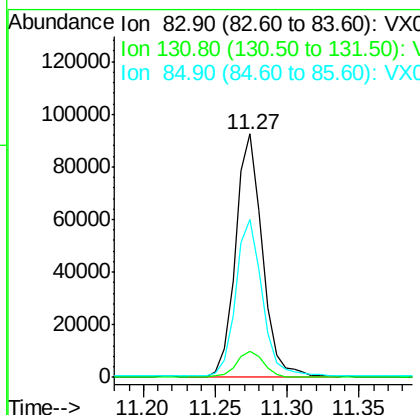
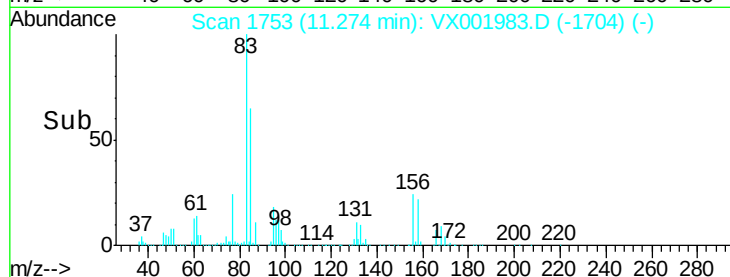
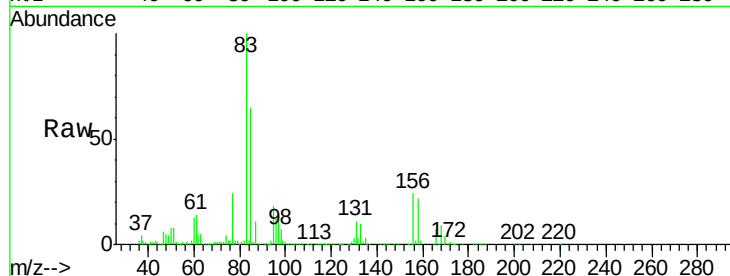
ClientSampleId :

VX0525WBSD01

Tot Ion:	83	Resp:	119030
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.0
85	64.2	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.721 ug/l m

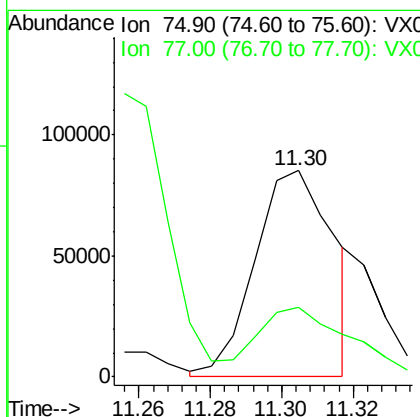
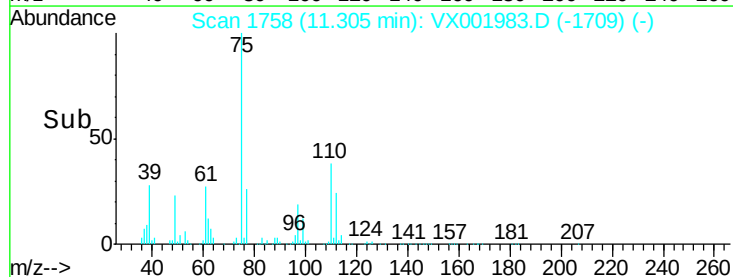
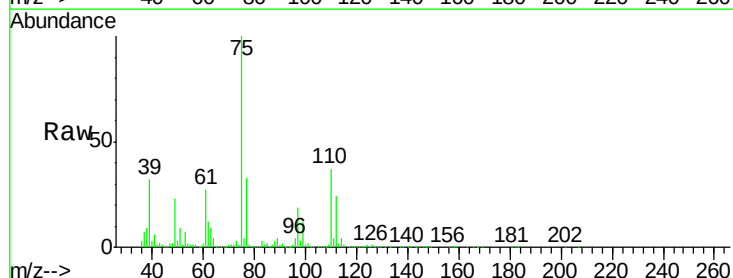
RT: 11.30 min Scan# 1758

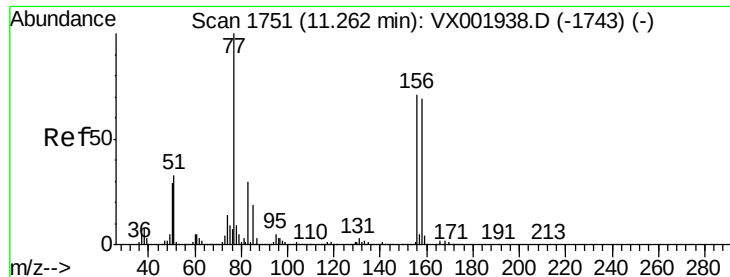
Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Tgt Ion:	75	Resp:	130567
Ion Ratio	Lower	Upper	
75	100		
77	40.2	22.8	68.3





#77

Bromobenzene

Concen: 19.574 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

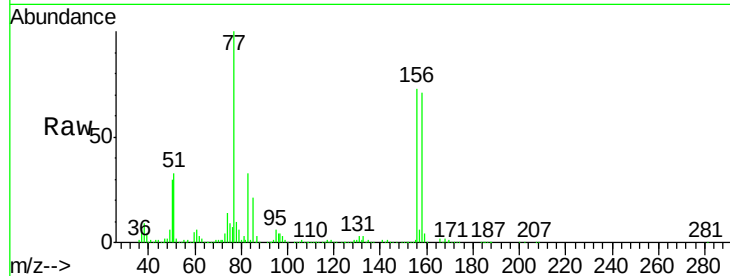
ClientSampleId :

VX0525WBSD01

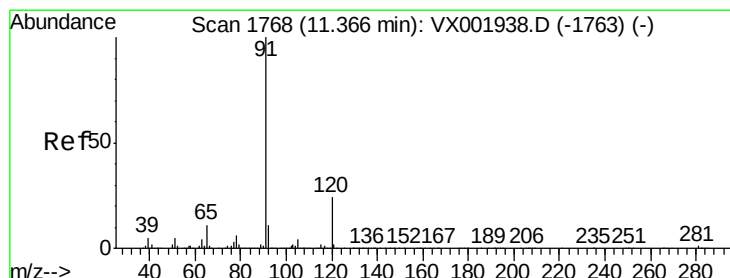
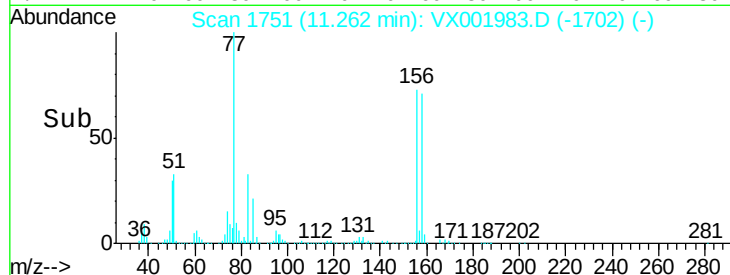
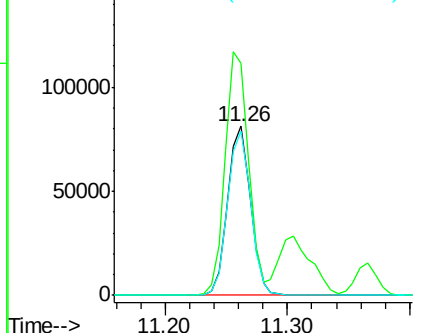
Tot Ion:	156	Resp:	105215
Ion Ratio	Lower	Upper	
156	100		
77	146.1	75.2	225.6
158	98.0	48.6	145.8

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



#78

n-propylbenzene

Concen: 19.693 ug/l

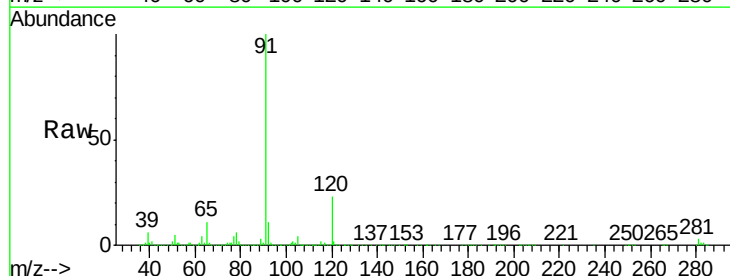
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

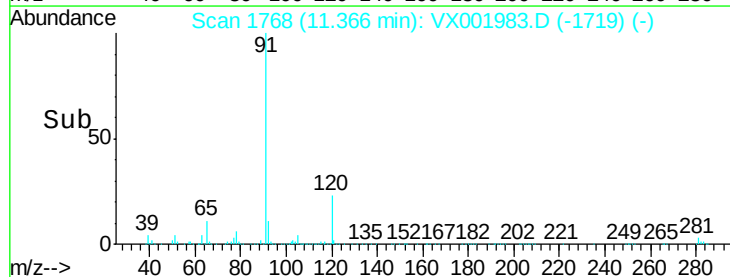
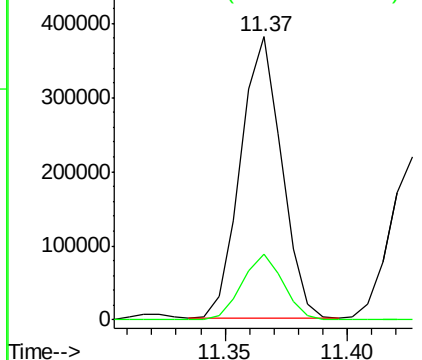
Lab File: VX001983.D

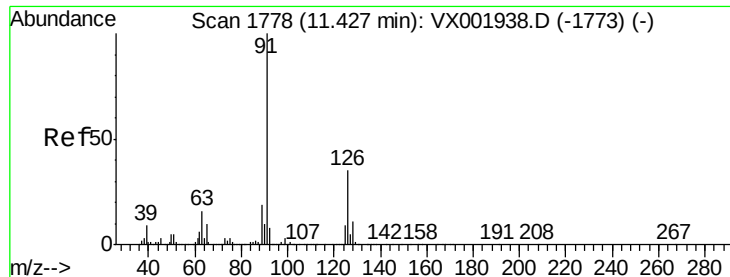
Acq: 25 May 2018 17:56

Tgt Ion:	91	Resp:	446843
Ion Ratio	Lower	Upper	
91	100		
120	23.5	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: 19.924 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion: 91 Resp: 265266

Ion Ratio Lower Upper

91 100

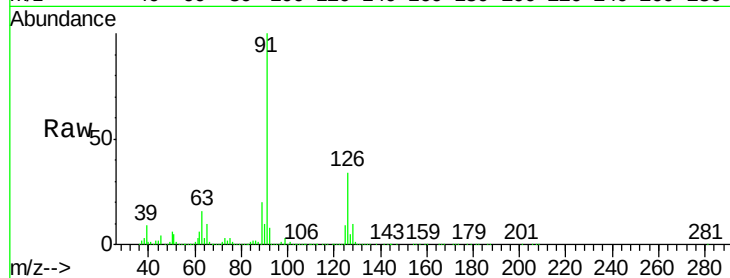
126 34.7 17.4 52.2

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Abundance Ion 91.00 (90.70 to 91.70): VX001938.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001938.D (-1773) (-)

400000

300000

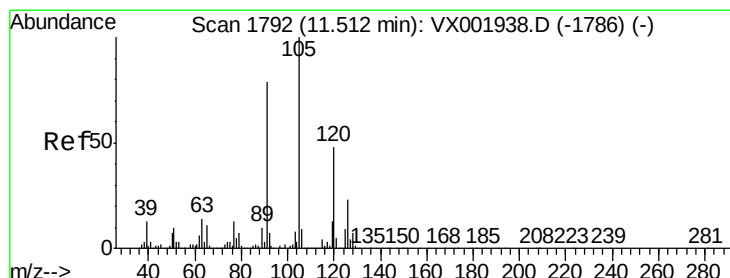
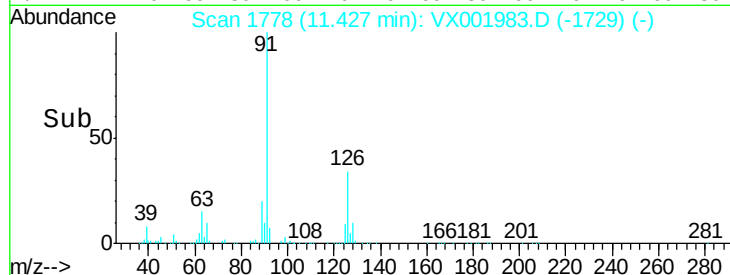
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.240 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001983.D

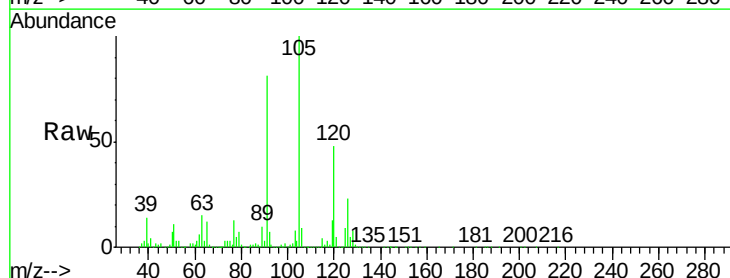
Acq: 25 May 2018 17:56

Tgt Ion: 105 Resp: 333107

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX001938.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001938.D (-1786) (-)

300000

250000

200000

150000

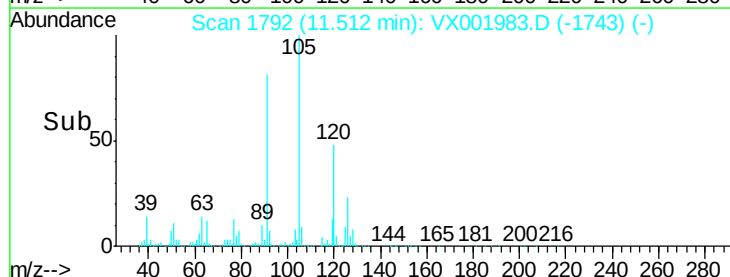
100000

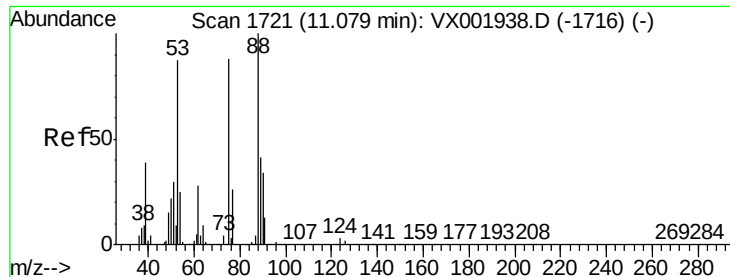
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.921 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

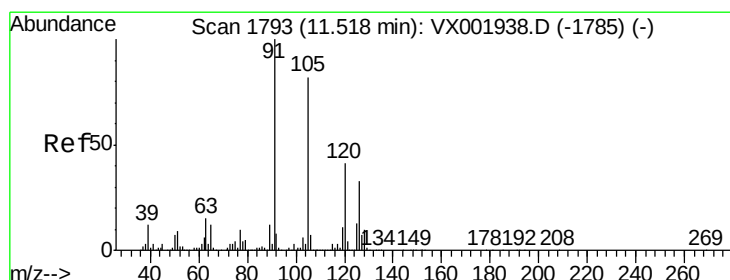
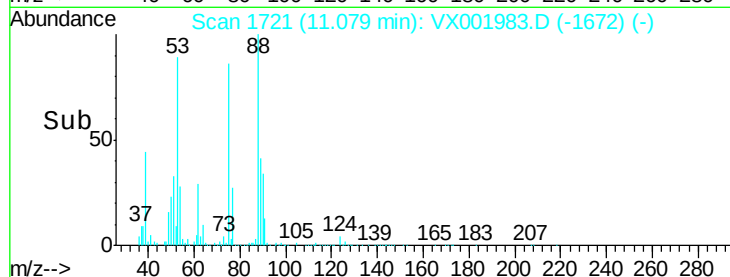
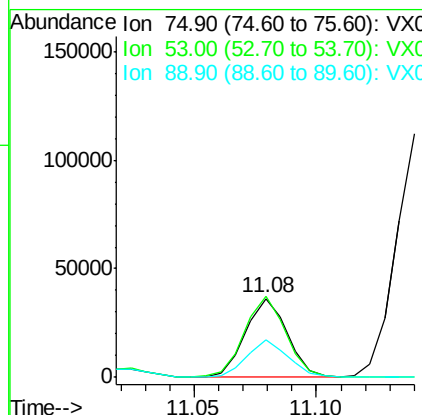
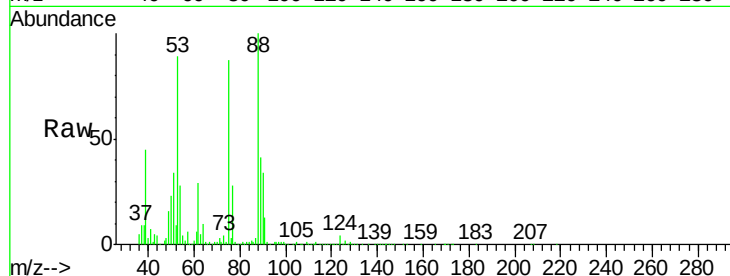
ClientSampleId :

VX0525WBSD01

Tot Ion:	75	Resp:	42850
Ion Ratio	Lower	Upper	
75	100		
53	101.2	78.0	117.0
89	47.5	39.4	59.2

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#82

4-Chlorotoluene

Concen: 19.305 ug/l

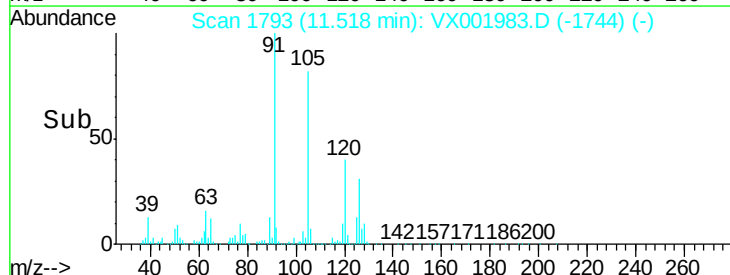
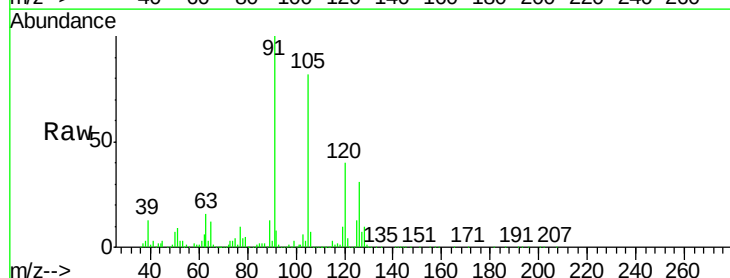
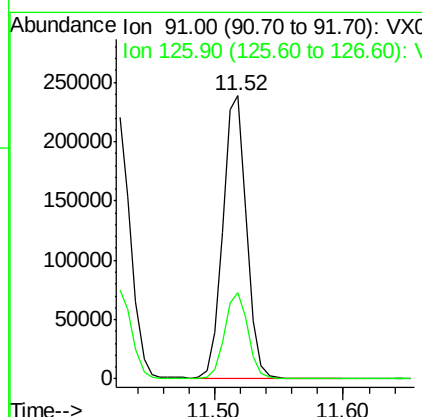
RT: 11.52 min Scan# 1793

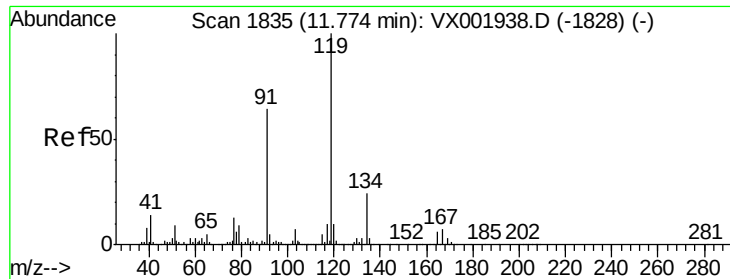
Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Tgt Ion:	91	Resp:	308948
Ion Ratio	Lower	Upper	
91	100		
126	29.9	15.3	45.8





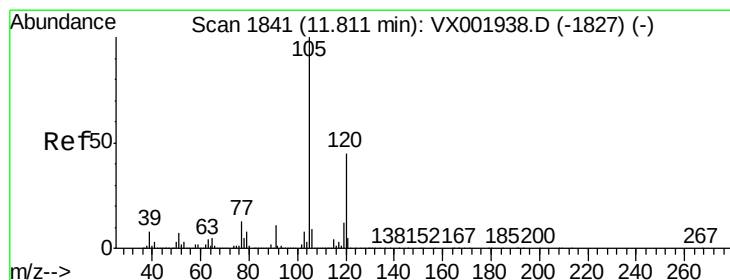
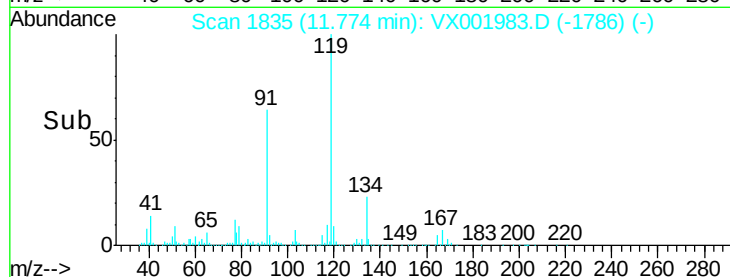
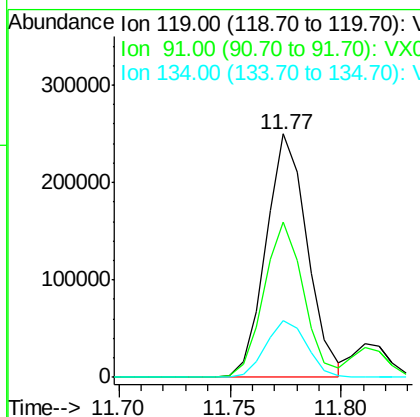
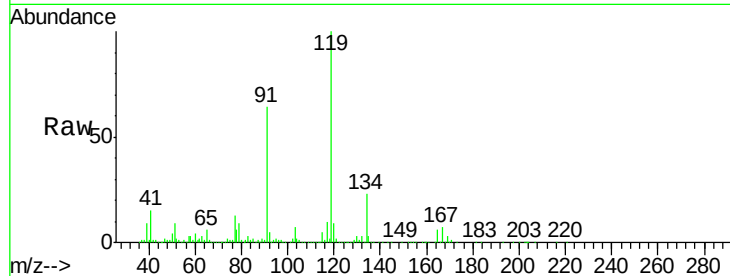
#83
 tert-Butylbenzene
 Concen: 18.876 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001983.D
 Acq: 25 May 2018 17:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	320699		
91	61.5		30.6	91.8
134	23.3		11.7	35.0

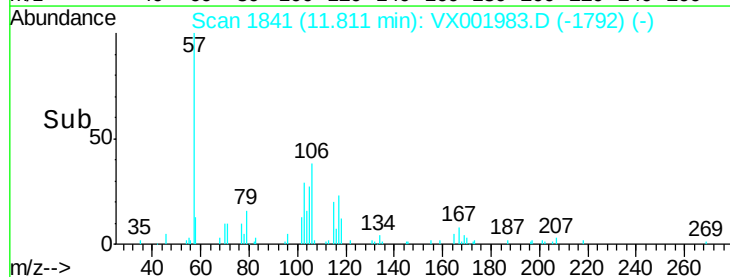
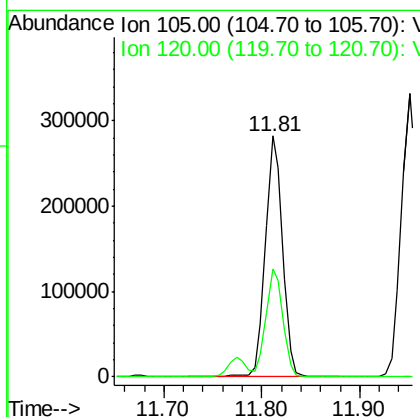
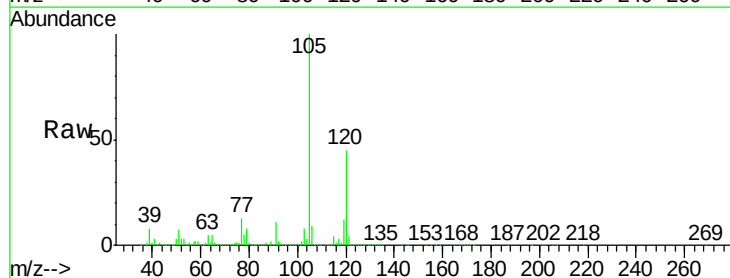
Manual Integrations
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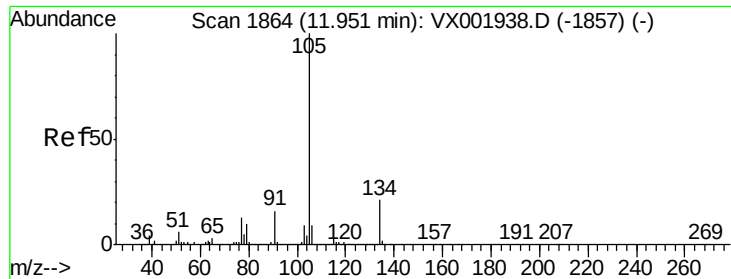
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.142 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001983.D
 Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	342484		
120	44.0		22.1	66.5





#85

sec-Butylbenzene

Concen: 19.413 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBSD01

Tot Ion:105 Resp: 396472

Ion Ratio Lower Upper

105 100

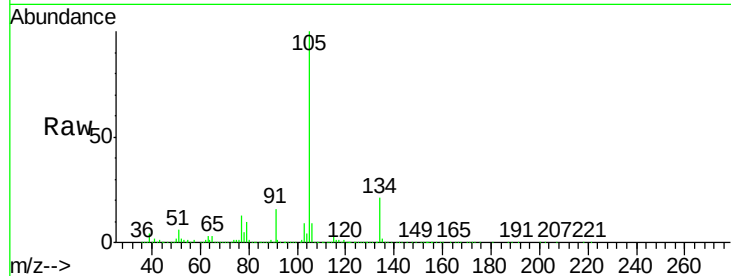
134 20.7 10.4 31.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

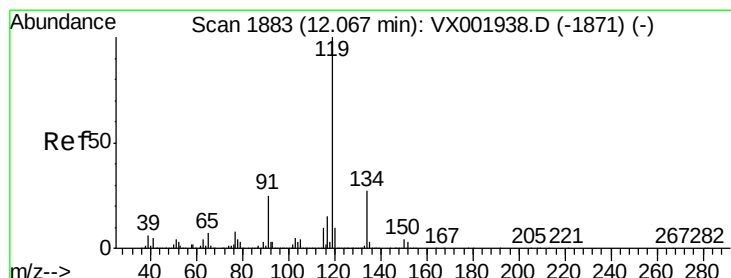
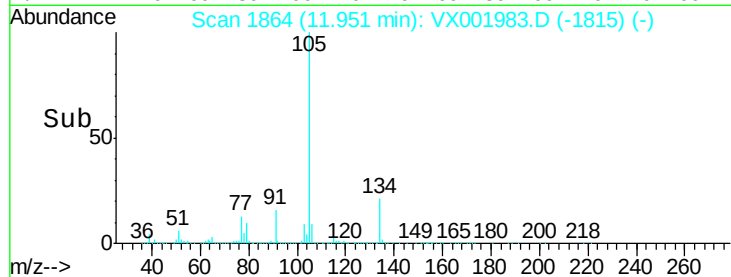
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.497 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

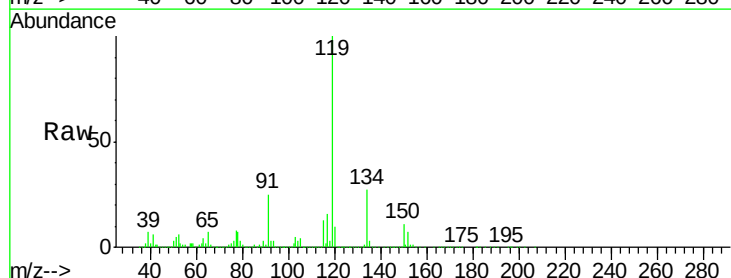
Tgt Ion:119 Resp: 356319

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 24.6 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): VX0

12.07

400000

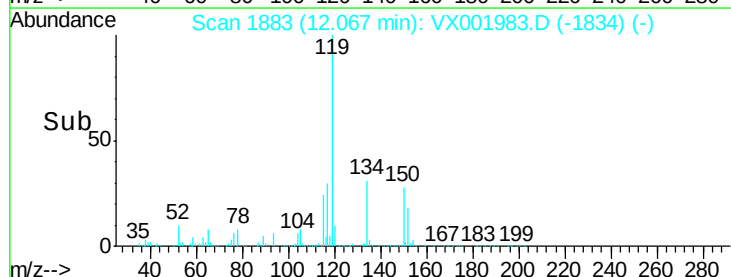
300000

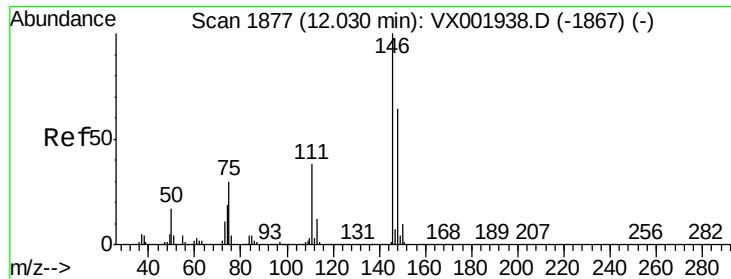
200000

100000

0

Time-->





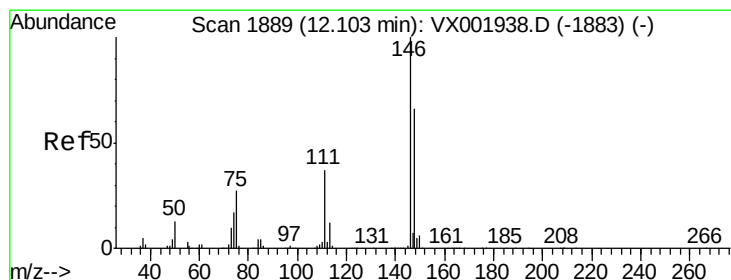
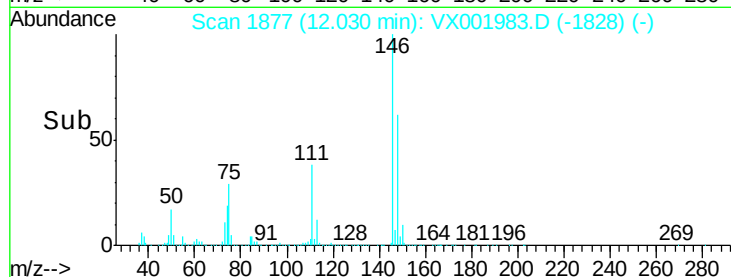
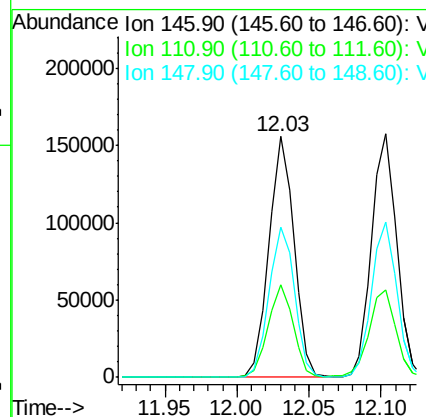
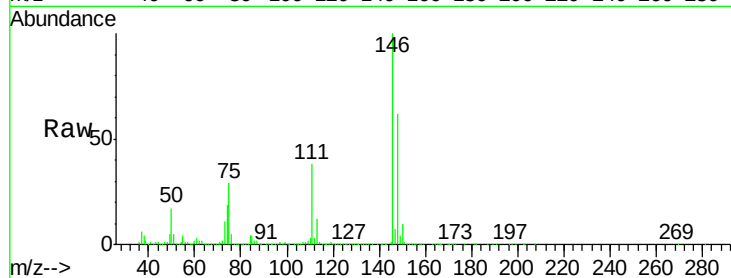
#87
 1,3-Dichlorobenzene
 Concen: 19.443 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001983.D
 Acq: 25 May 2018 17:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.8
148	63.8	32.1	96.3

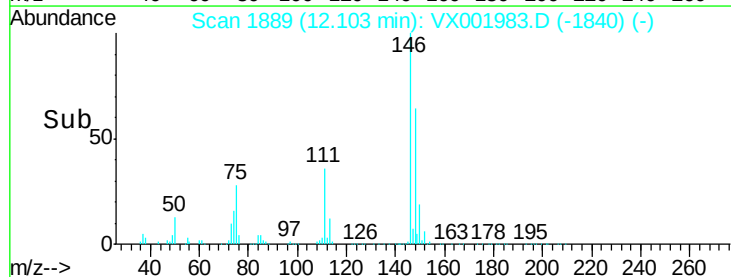
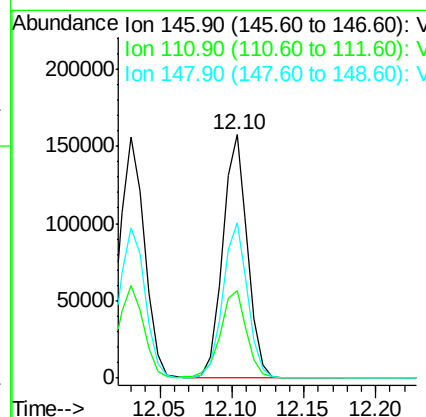
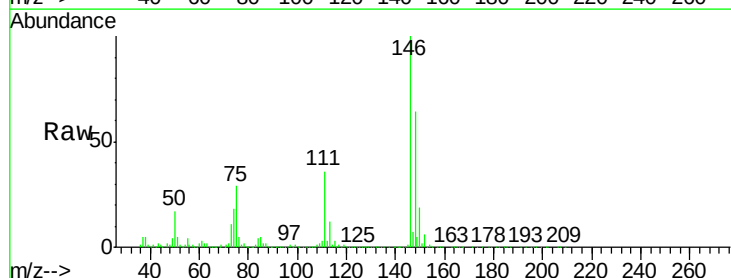
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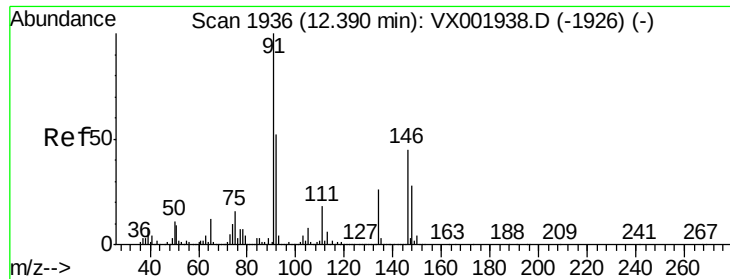
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#88
 1,4-Dichlorobenzene
 Concen: 19.629 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001983.D
 Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.5
148	64.3	32.3	96.8





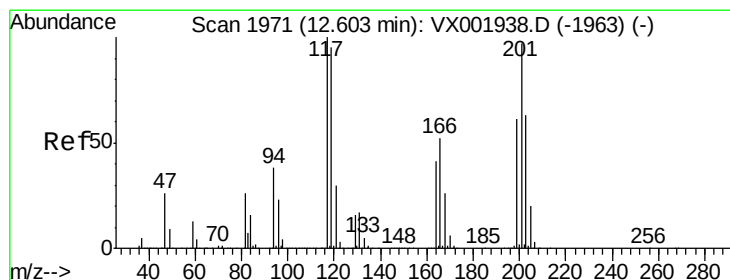
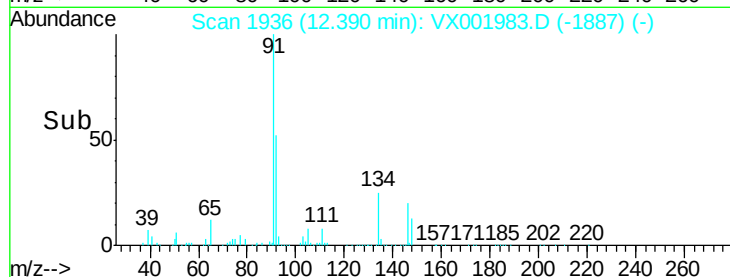
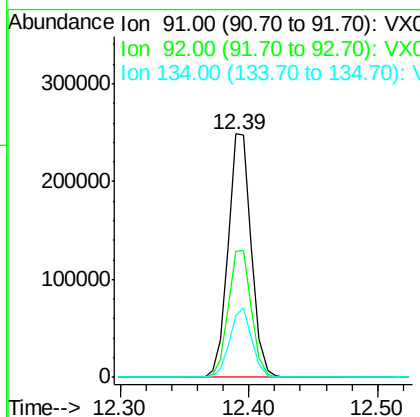
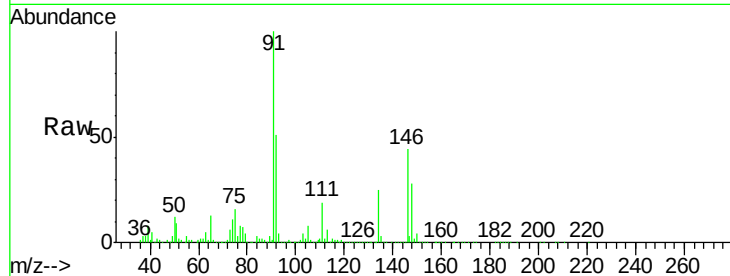
#89
n-Butylbenzene
Concen: 20.255 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	27.2	13.6	40.7

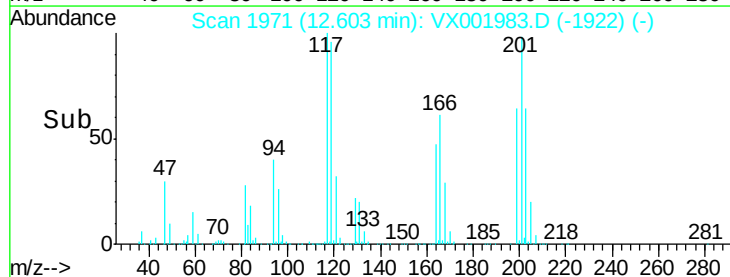
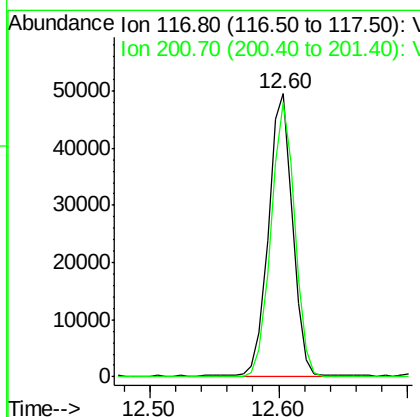
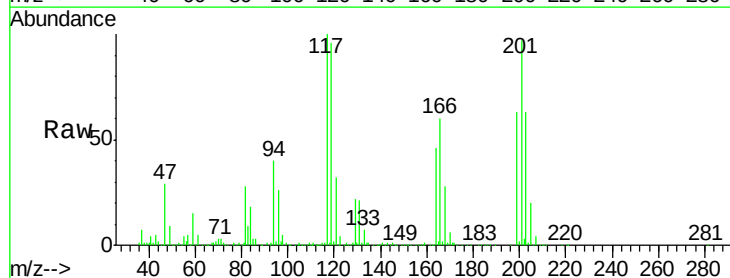
Manual Integrations
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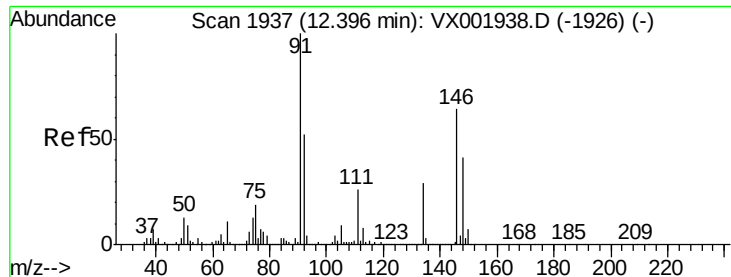
MMDadoda
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#90
Hexachloroethane
Concen: 17.832 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.8	48.0	144.0





#91

1,2-Dichlorobenzene

Concen: 19.329 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

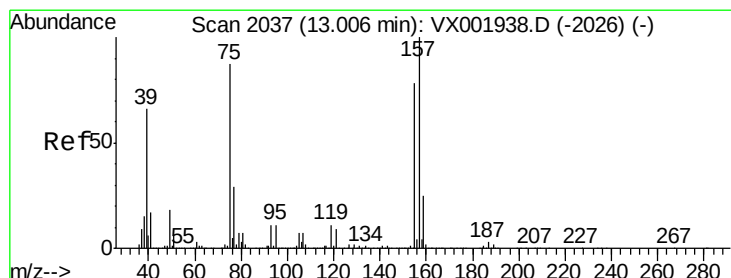
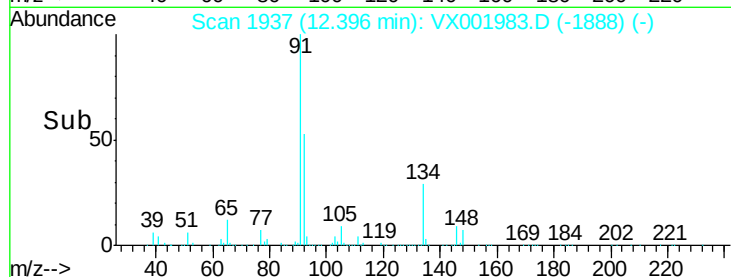
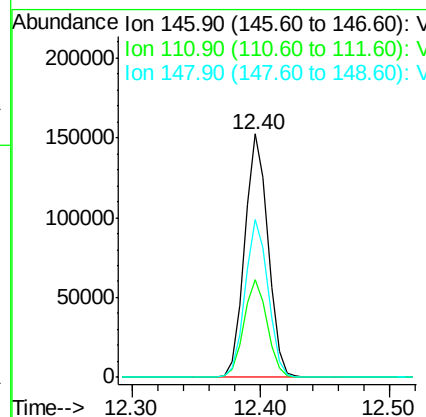
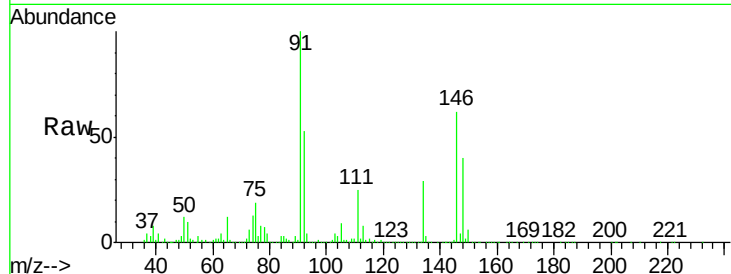
ClientSampleId :

VX0525WBSD01

Tot Ion:	146	Resp:	189585
Ion Ratio	Lower	Upper	
146	100		
111	40.1	19.8	59.3
148	64.3	32.1	96.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.980 ug/l

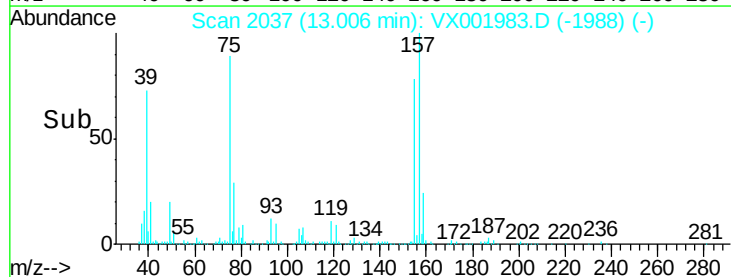
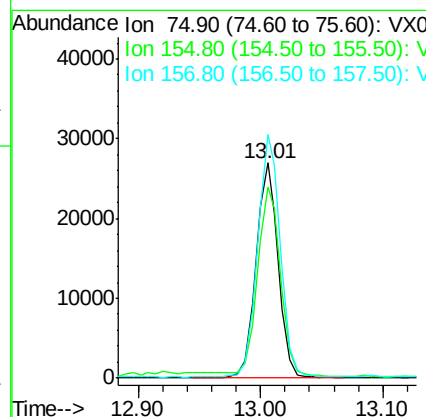
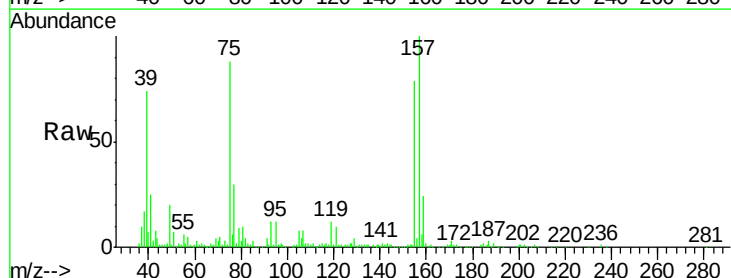
RT: 13.01 min Scan# 2037

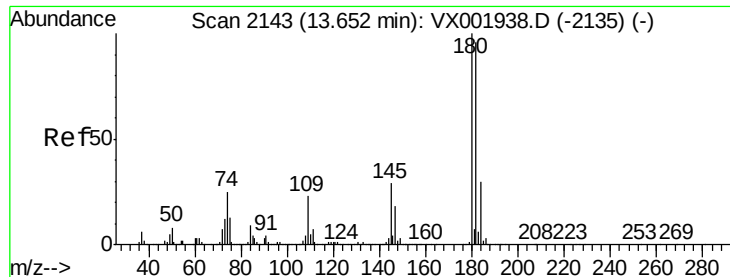
Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Tgt Ion:	75	Resp:	34188
Ion Ratio	Lower	Upper	
75	100		
155	92.0	45.1	135.2
157	115.8	58.1	174.2





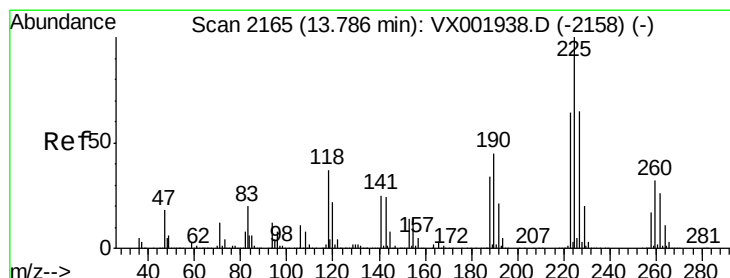
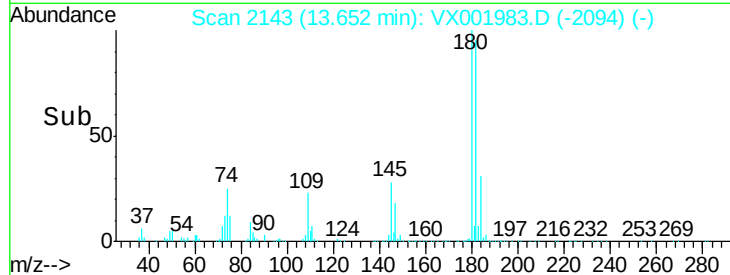
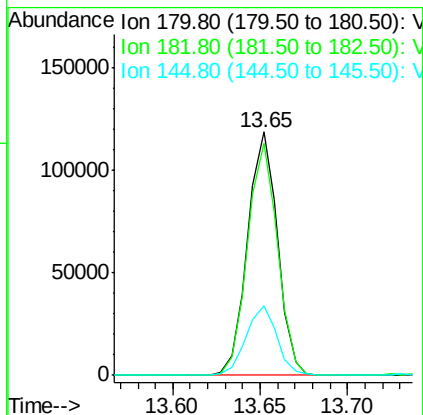
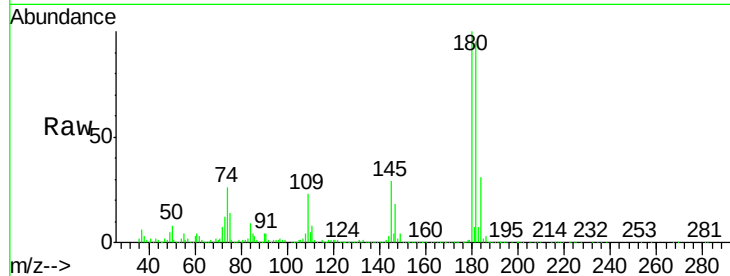
#93
1,2,4-Trichlorobenzene
Concen: 20.151 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	141331		
182	95.4	47.7	143.1	
145	28.6	14.4	43.0	

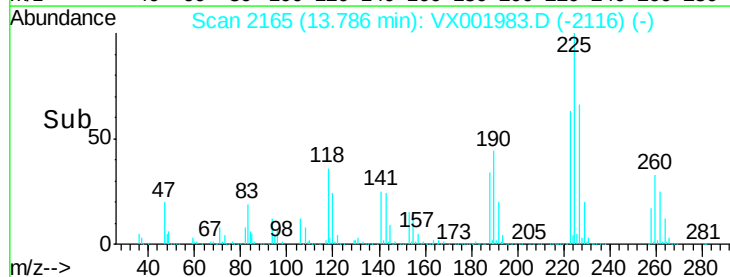
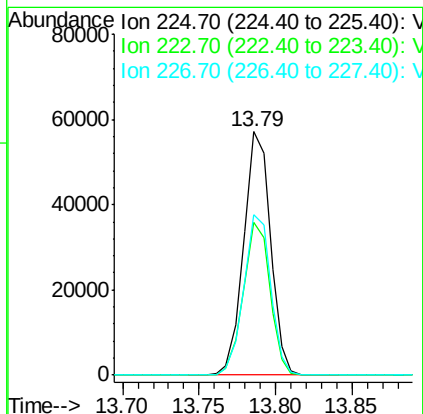
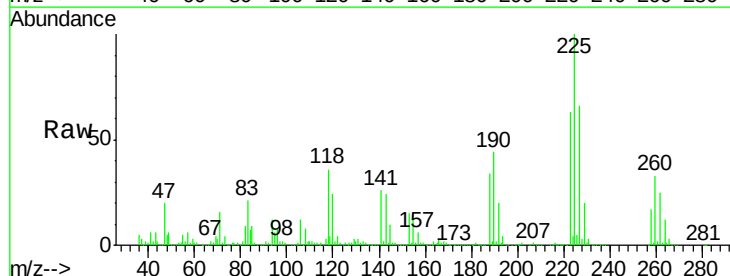
Manual Integrations
APPROVED

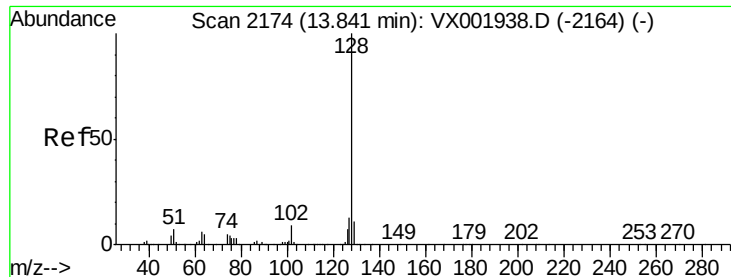
MMDadoda
5/29/2018 4:39:23 PM



#94
Hexachlorobutadiene
Concen: 18.474 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX001983.D
Acq: 25 May 2018 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69696		
223	62.5	31.1	93.5	
227	66.2	32.1	96.5	





#95

Naphthalene

Concen: 20.542 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Instrument :

MSVOA_X

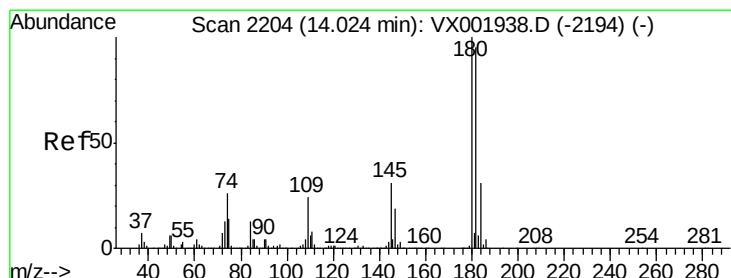
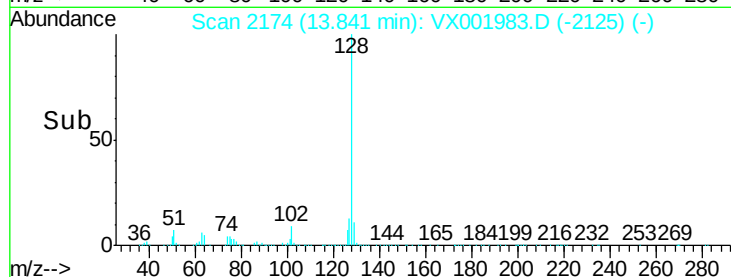
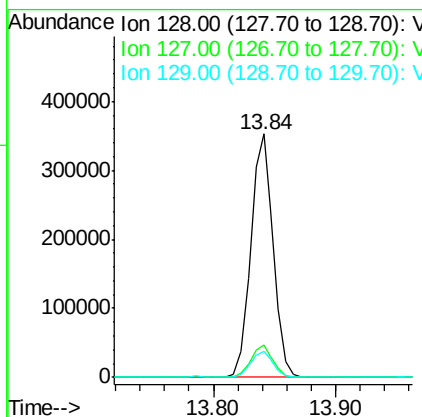
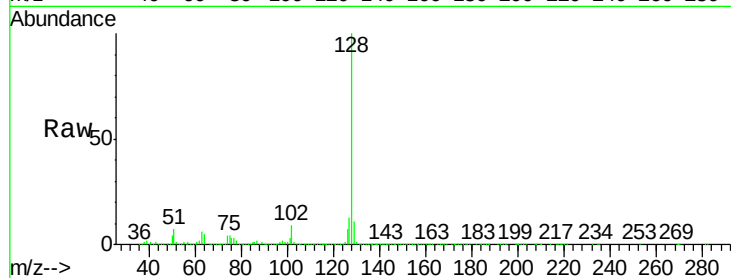
ClientSampleId :

VX0525WBSD01

Tot Ion:	128	Resp:	443865
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/29/2018 4:39:23 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.979 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001983.D

Acq: 25 May 2018 17:56

Tgt Ion:	180	Resp:	144989
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.9	143.6
145	29.2	15.1	45.3

