

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060218\
 Data File : VX002235.D
 Acq On : 02 Jun 2018 11:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/4/2018 2:31:50 PM

Quant Time: Jun 04 05:21:42 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	201181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	288355	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	281142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	197370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	193420	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	5.51	113	144953	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	8.72	98	550185	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	11.14	95	218849	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	91276	35.670	ug/l 100
3) Chloromethane	1.32	50	125340	40.493	ug/l 99
4) Vinyl Chloride	1.40	62	130887	43.793	ug/l 100
5) Bromomethane	1.64	94	86448	63.090	ug/l 100
6) Chloroethane	1.72	64	89260	50.662	ug/l 97
7) Trichlorofluoromethane	1.93	101	219488	48.901	ug/l 99
8) Diethyl Ether	2.19	74	98924	60.745	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	128011	51.111	ug/l 97
10) Methyl Iodide	2.51	142	151689	44.761	ug/l 98
11) Tert butyl alcohol	3.06	59	201353	285.246	ug/l 98
12) 1,1-Dichloroethene	2.37	96	113431	48.373	ug/l 94
13) Acrolein	2.29	56	66896	219.185	ug/l 99
14) Allyl chloride	2.73	41	266368	54.115	ug/l 97
15) Acrylonitrile	3.15	53	435226	299.829	ug/l 100
16) Acetone	2.45	43	461381	332.442	ug/l 98
17) Carbon Disulfide	2.57	76	251783	37.308	ug/l 100
18) Methyl Acetate	2.78	43	221883	66.747	ug/l 99
19) Methyl tert-butyl Ether	3.20	73	525790	59.616	ug/l 99
20) Methylene Chloride	2.86	84	150994	63.279	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	128360	56.429	ug/l 99
22) Diisopropyl ether	3.87	45	554171	55.350	ug/l 97
23) Vinyl Acetate	3.82	43	2455059	295.749	ug/l 99
24) 1,1-Dichloroethane	3.70	63	272496	57.295	ug/l 100
25) 2-Butanone	4.70	43	605917	238.205	ug/l 99
26) 2,2-Dichloropropane	4.59	77	201133	41.782	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	144761	47.342	ug/l 92
28) Bromochloromethane	5.02	49	127311	64.288	ug/l 99
29) Tetrahydrofuran	5.16	42	381392	230.454	ug/l 99
30) Chloroform	5.22	83	262753	49.037	ug/l 98
31) Cyclohexane	5.57	56	195237	39.401	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	212840	42.608	ug/l 98
36) 1,1-Dichloropropene	5.80	75	171108	42.661	ug/l 98
37) Ethyl Acetate	4.86	43	233661	44.685	ug/l 99
38) Carbon Tetrachloride	5.79	117	183003	39.127	ug/l 98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	205220	41.647	ug/l	97
40) Benzene	6.15	78	556497	47.359	ug/l	99
41) Methacrylonitrile	5.06	41	135391	49.039	ug/l	99
42) 1,2-Dichloroethane	6.20	62	231711	49.366	ug/l	99
43) Isopropyl Acetate	6.46	43	401112	46.037	ug/l	99
44) Trichloroethene	7.21	130	156086	45.583	ug/l	99
45) 1,2-Dichloropropane	7.52	63	156048	48.900	ug/l	99
46) Dibromomethane	7.67	93	106274	50.300	ug/l	99
47) Bromodichloromethane	7.90	83	197304	43.797	ug/l	100
48) Methyl methacrylate	7.78	41	204173	46.043	ug/l	98
49) 1,4-Dioxane	7.76	88	72532	928.200	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1288435	245.314	ug/l	100
52) Toluene	8.79	92	359875	48.123	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	243210	46.874	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	232529	45.992	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	161355	51.650	ug/l	97
56) Ethyl methacrylate	9.18	69	255069	47.469	ug/l	98
57) 1,3-Dichloropropane	9.37	76	266335	51.751	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	572369	240.325	ug/l	99
59) 2-Hexanone	9.50	43	1003389	247.764	ug/l	100
60) Dibromochloromethane	9.59	129	168054	45.417	ug/l	100
61) 1,2-Dibromoethane	9.68	107	167507	51.100	ug/l	100
64) Tetrachloroethene	9.34	164	176164	43.703	ug/l	98
65) Chlorobenzene	10.14	112	428199	48.073	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	161911	45.015	ug/l	100
67) Ethyl Benzene	10.26	91	713967	46.134	ug/l	99
68) m/p-Xylenes	10.36	106	558846	94.465	ug/l	98
69) o-Xylene	10.70	106	279305	47.285	ug/l	100
70) Styrene	10.71	104	471547	48.136	ug/l	99
71) Bromoform	10.86	173	134082	39.314	ug/l #	99
73) Isopropylbenzene	11.02	105	735665	44.016	ug/l	100
74) N-amyl acetate	6.46	43	401112	46.011	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	236646	51.816	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	249844m	52.702	ug/l	
77) Bromobenzene	11.26	156	209259	47.191	ug/l	96
78) n-propylbenzene	11.37	91	835422	44.630	ug/l	100
79) 2-Chlorotoluene	11.43	91	514676	50.127	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	637648	44.643	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	72634	36.824	ug/l	91
82) 4-Chlorotoluene	11.51	91	614444	46.540	ug/l	100
83) tert-Butylbenzene	11.77	119	612019	43.665	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	668709	45.305	ug/l	100
85) sec-Butylbenzene	11.95	105	743532	44.130	ug/l	100
86) p-Isopropyltoluene	12.07	119	685800	45.487	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	377492	47.535	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	387210	48.770	ug/l	99
89) n-Butylbenzene	12.39	91	587488	45.987	ug/l	99
90) Hexachloroethane	12.60	117	106314	35.749	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	395007	48.819	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54134	36.430	ug/l	97

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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)
93) 1,2,4-Trichlorobenzene	13.65	180	286855	49.579	ug/l	99
94) Hexachlorobutadiene	13.79	225	137524	44.186	ug/l	99
95) Naphthalene	13.84	128	847967	47.570	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	294254	49.151	ug/l	99

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

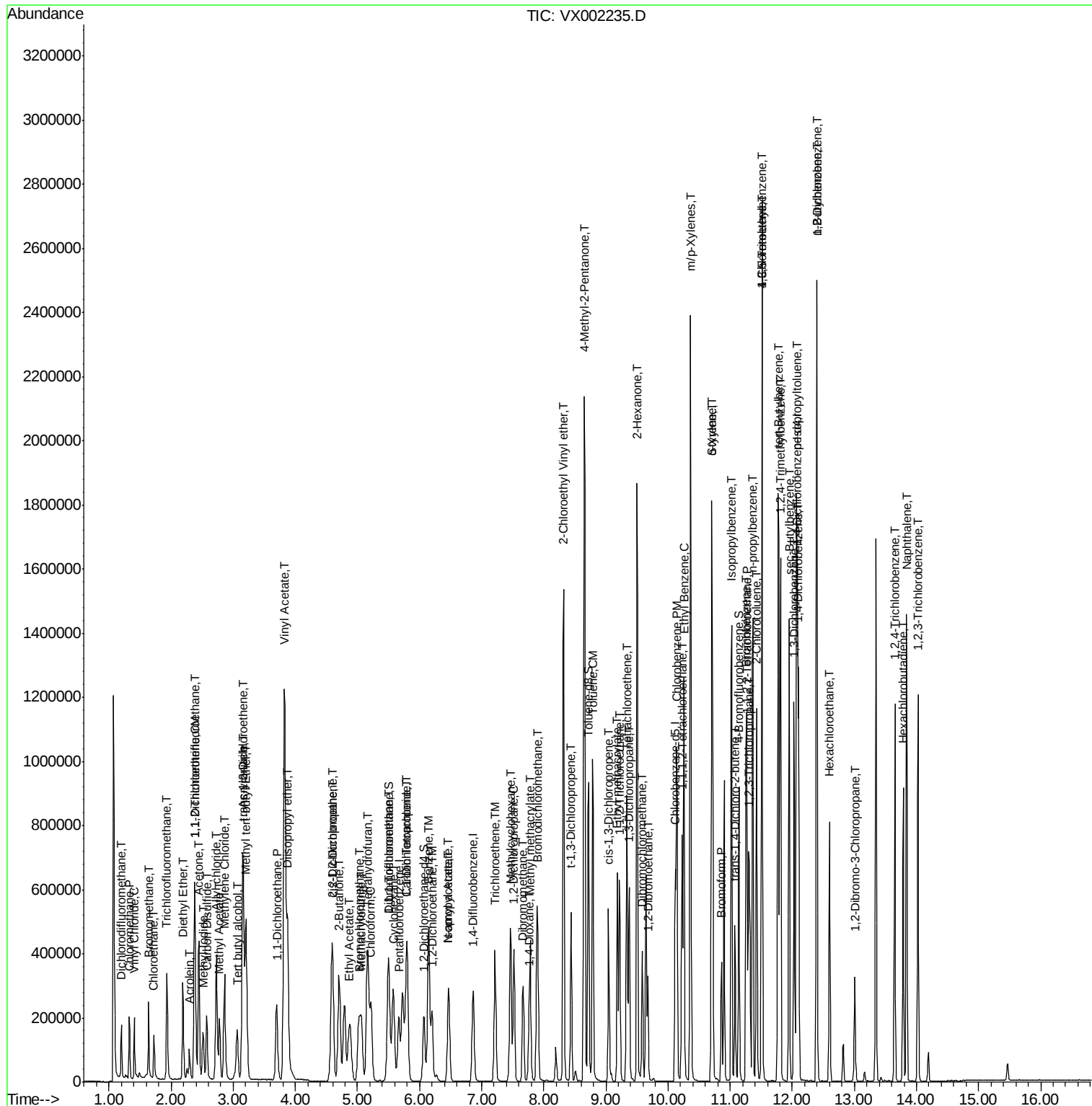
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060218\
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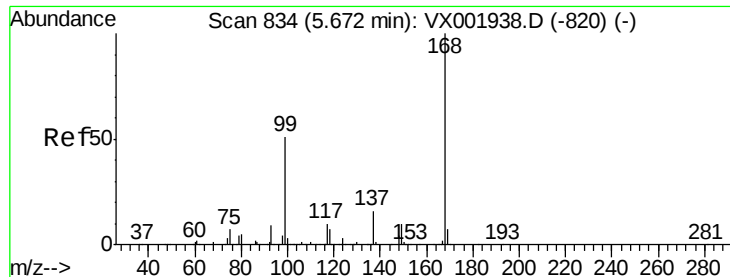
Instrument :
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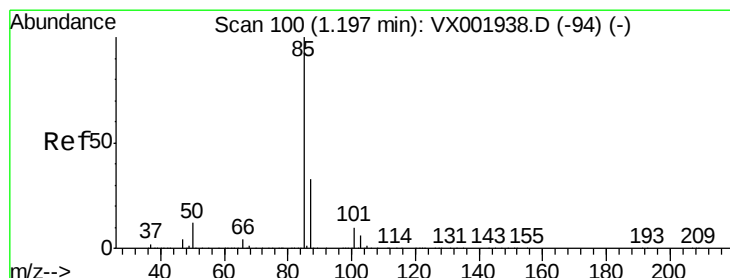
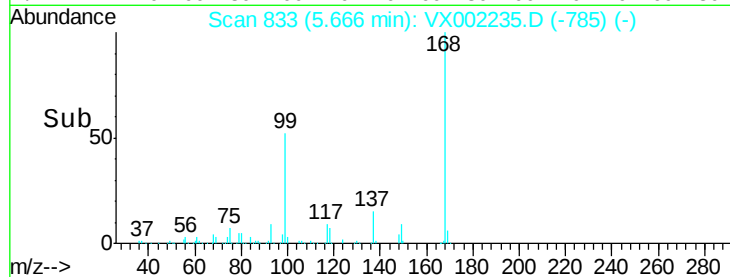
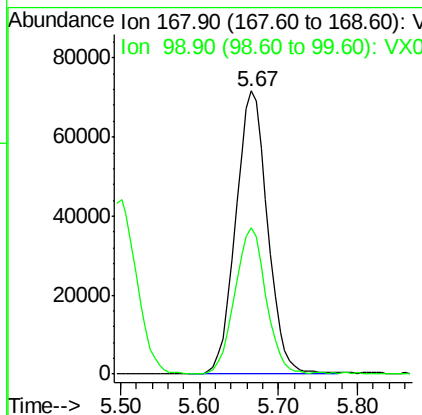
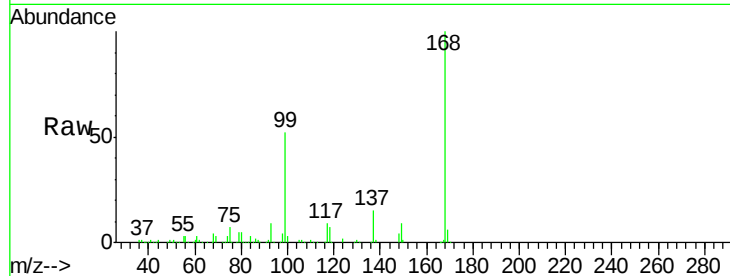
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	201181		
99	51.4	41.0	61.4	

Manual Integrations
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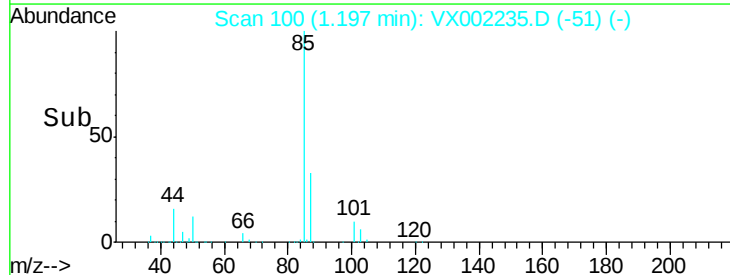
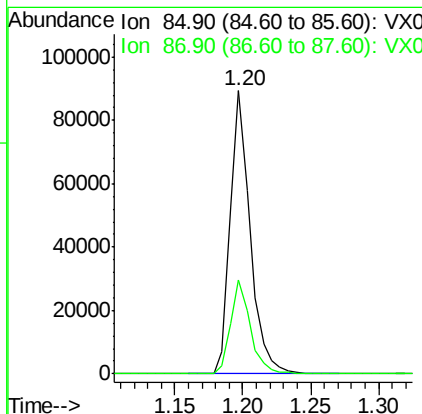
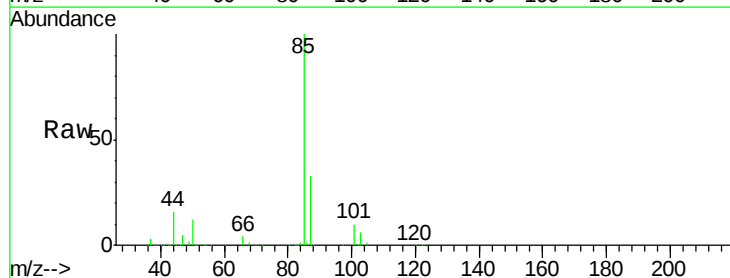
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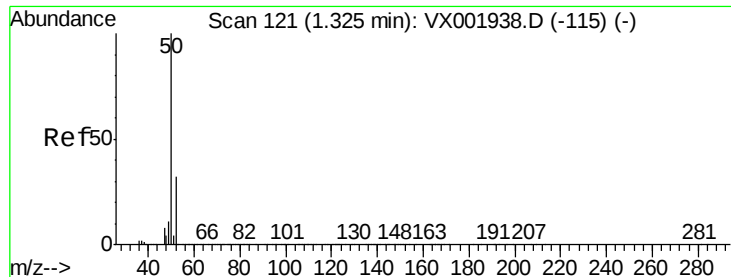


#2

Dichlorodifluoromethane
 Concen: 35.670 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	91276		
87	33.4	16.7	50.0	





#3

Chloromethane

Concen: 40.493 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 125340

Ion Ratio Lower Upper

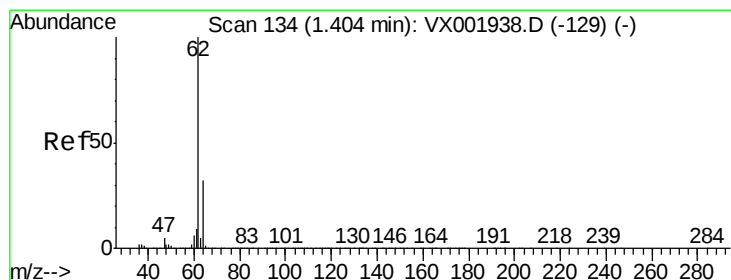
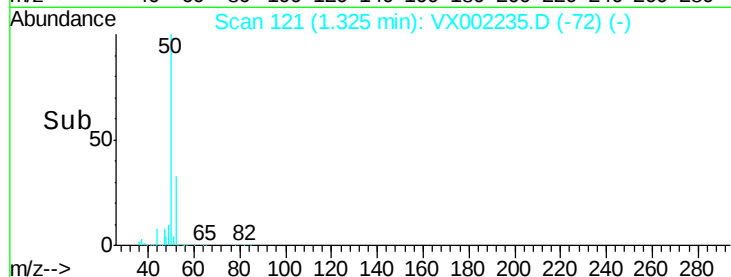
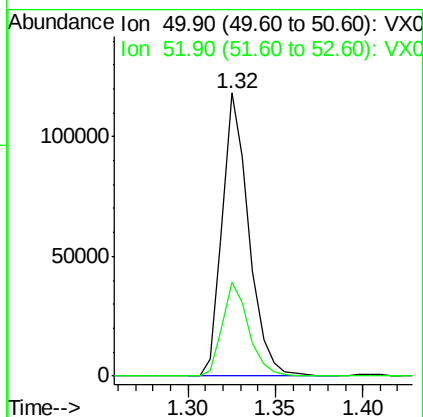
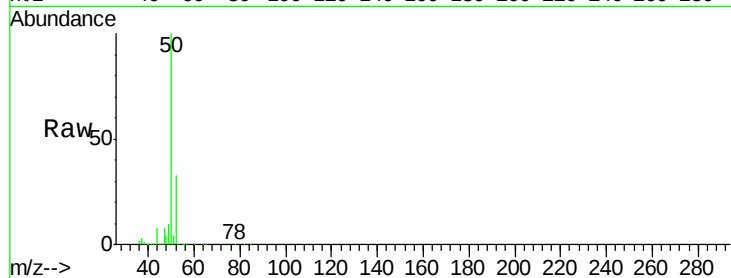
50 100

52 33.2 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 43.793 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002235.D

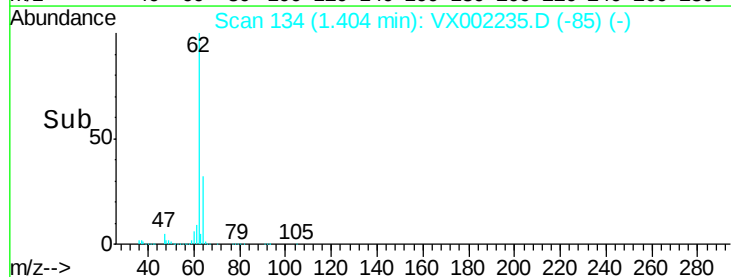
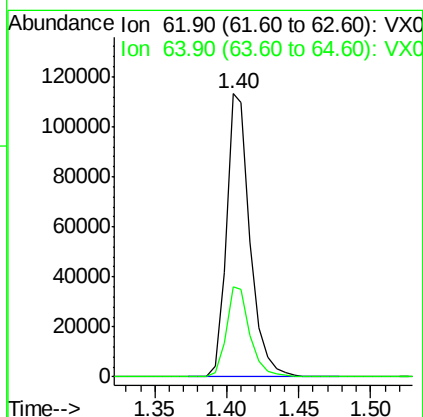
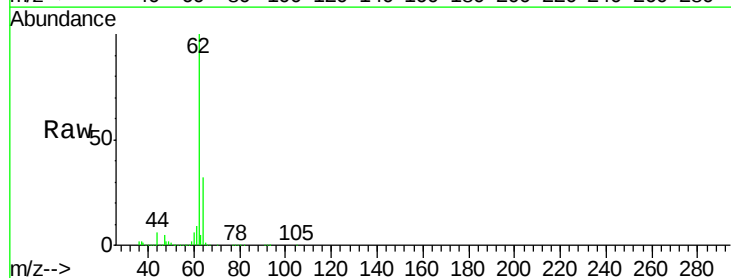
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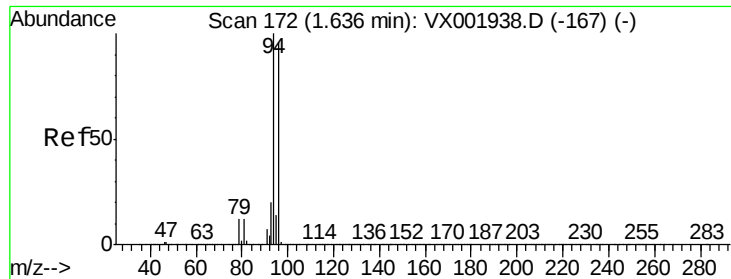
Tgt Ion: 62 Resp: 130887

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 63.090 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86448

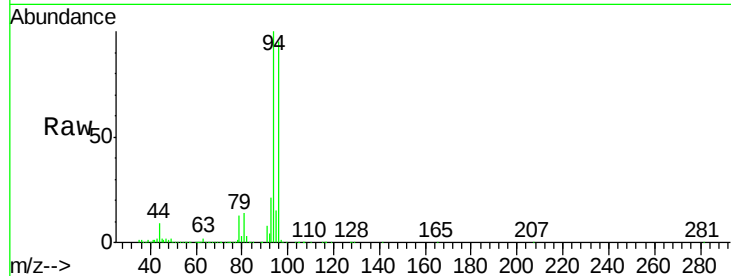
Ion Ratio Lower Upper

94 100

96 94.5 75.9 113.9

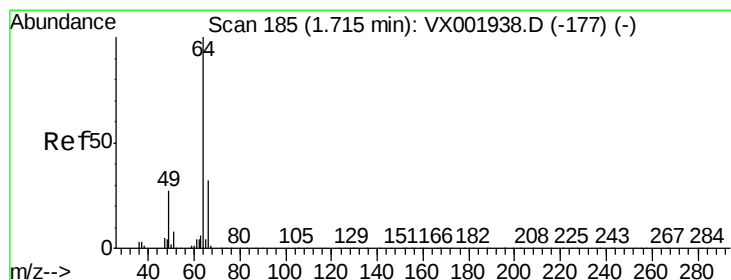
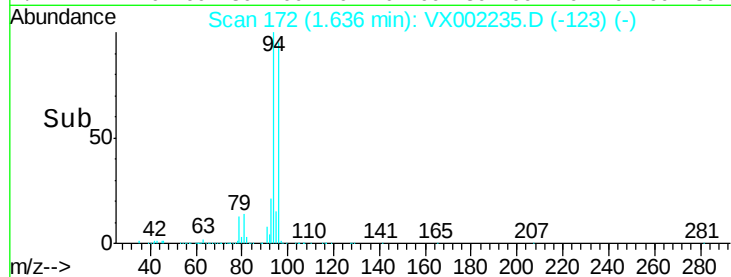
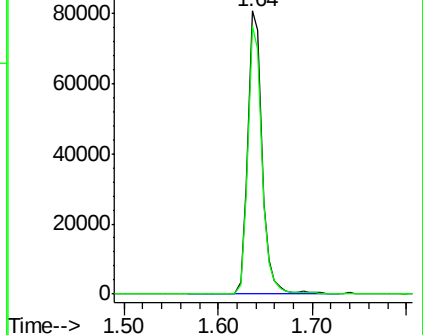
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.662 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002235.D

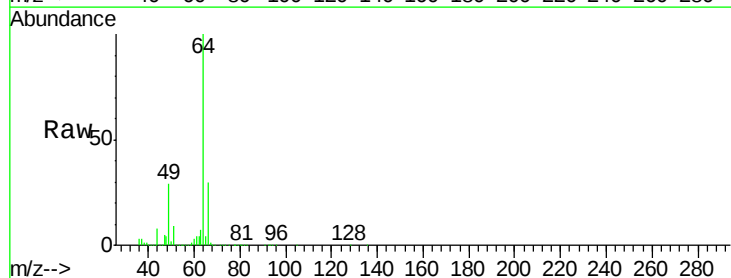
Acq: 02 Jun 2018 11:42

Tgt Ion: 64 Resp: 89260

Ion Ratio Lower Upper

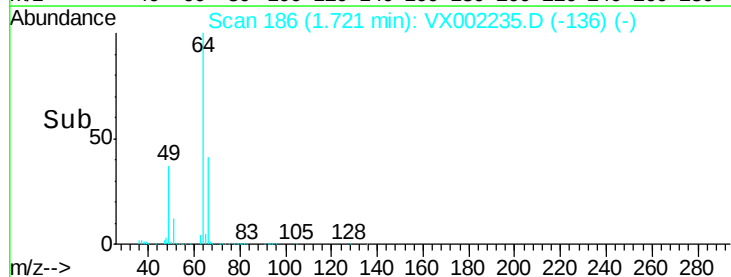
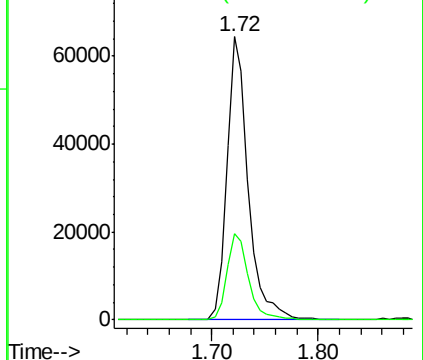
64 100

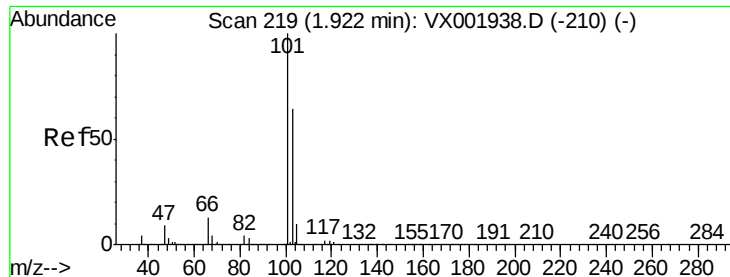
66 30.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

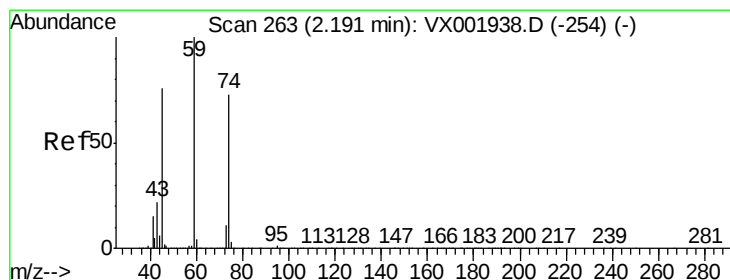
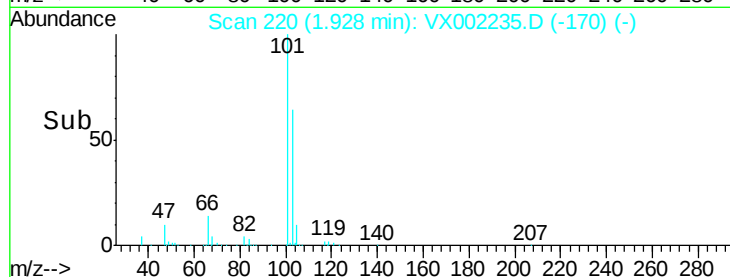
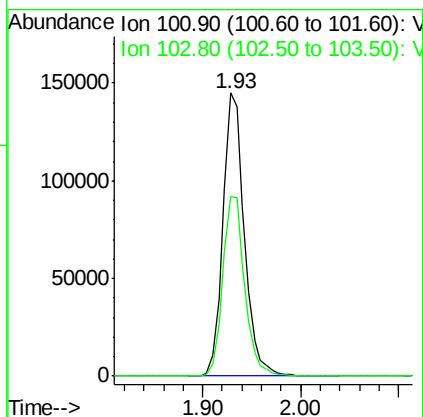
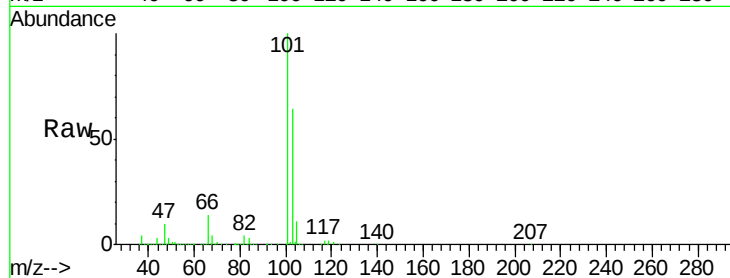
Trichlorofluoromethane
Concen: 48.901 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.4	77.0

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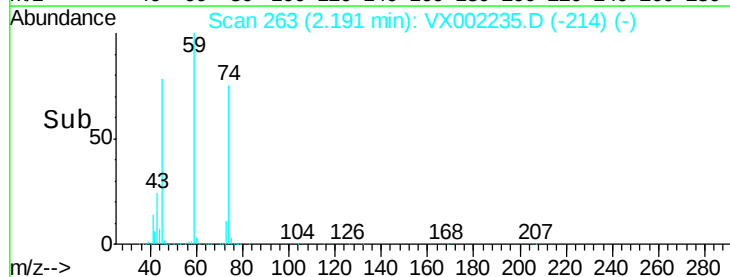
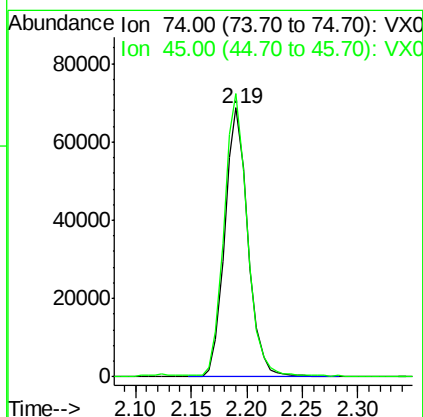
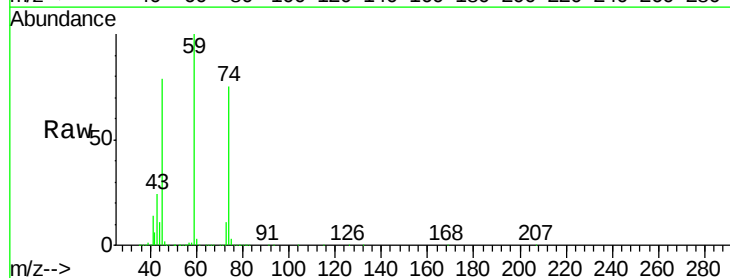
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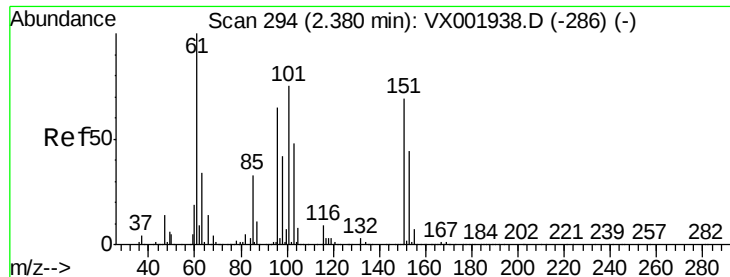


#8

Diethyl Ether
Concen: 60.745 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.8	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.111 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

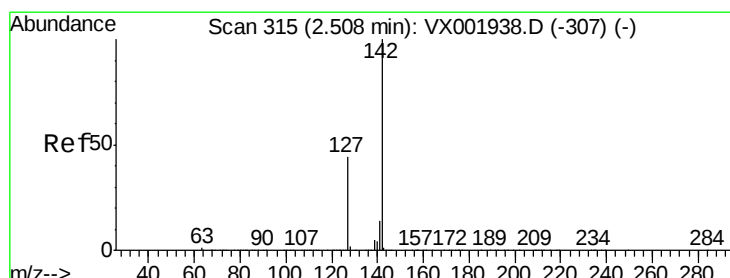
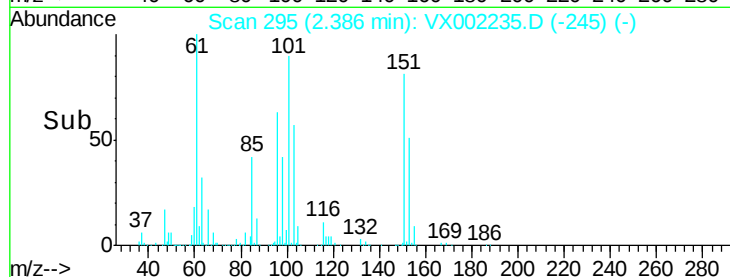
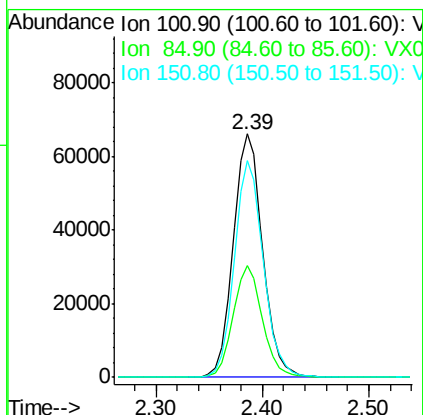
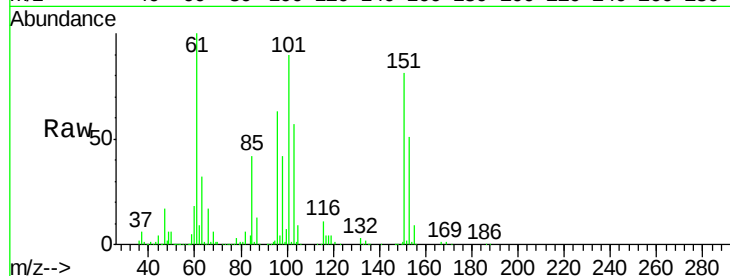
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128011
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.6	53.4
151	87.9	73.2	109.8

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#10

Methyl Iodide

Concen: 44.761 ug/l

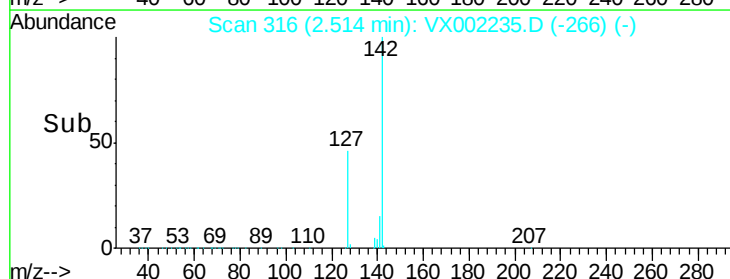
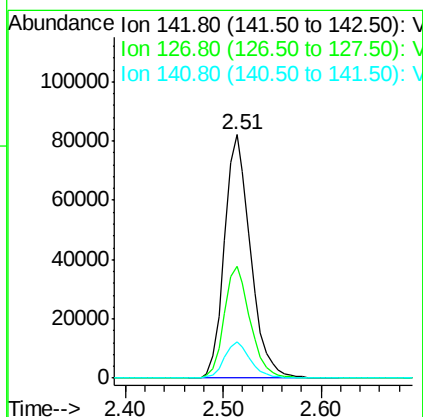
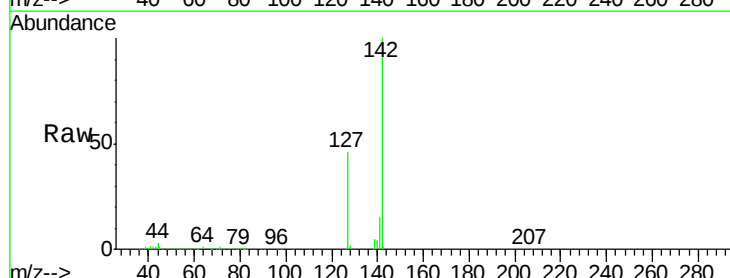
RT: 2.51 min Scan# 316

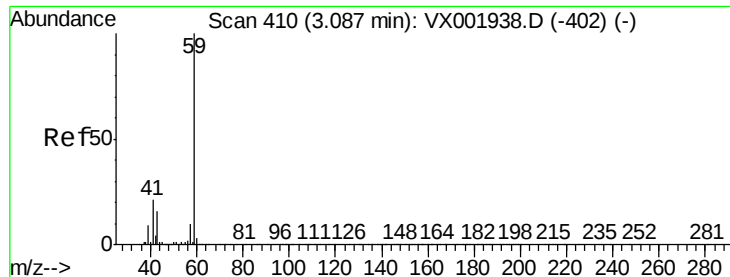
Delta R.T. 0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tgt Ion:	142	Resp:	151689
Ion Ratio	Lower	Upper	
142	100		
127	46.1	35.5	53.3
141	14.7	11.3	16.9





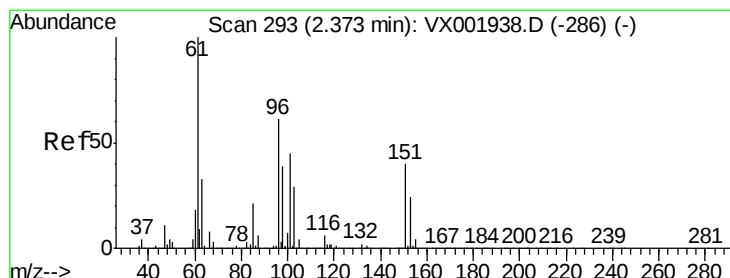
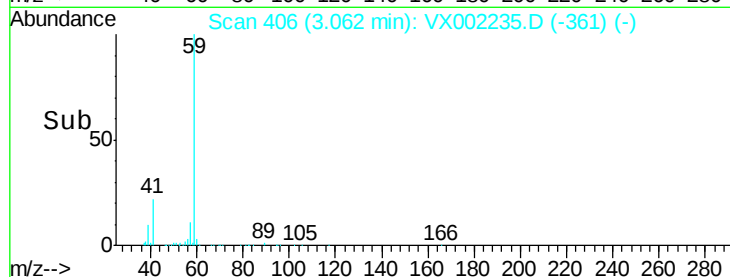
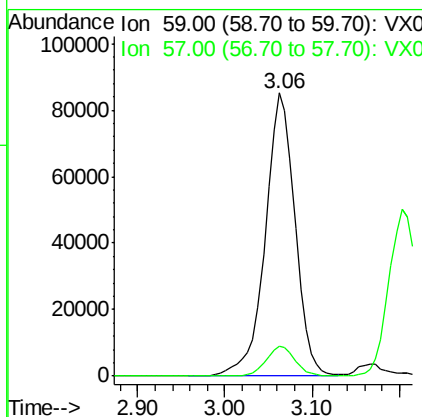
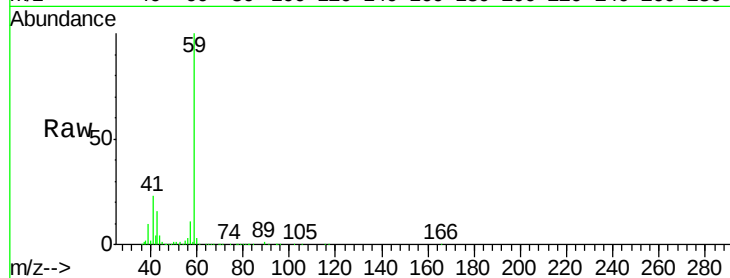
#11
Tert butyl alcohol
Concen: 285.246 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.9	13.3

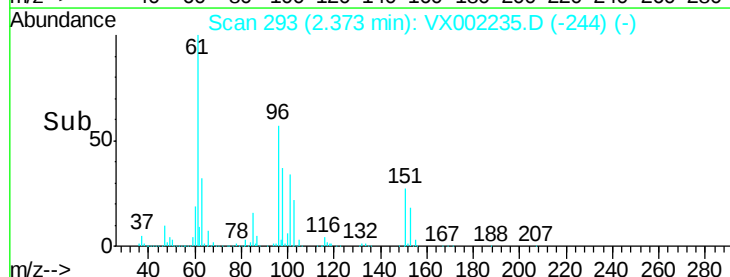
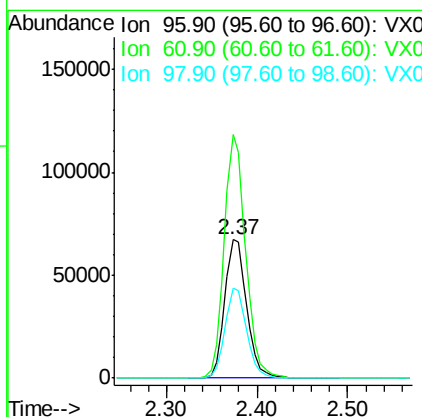
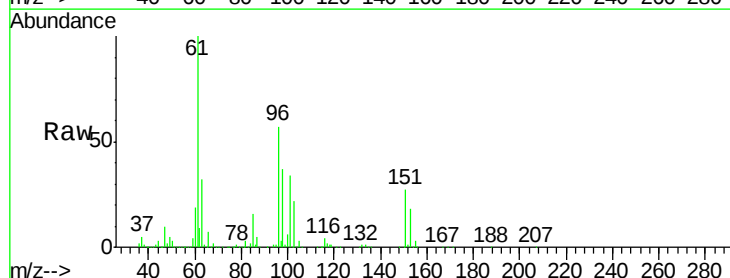
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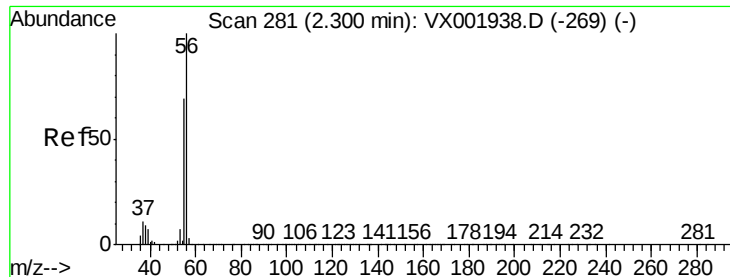
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.373 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.6	131.7	197.5
98	65.1	51.6	77.4





#13

Acrolein

Concen: 219.185 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 66896

Ion Ratio Lower Upper

56 100

55 71.8

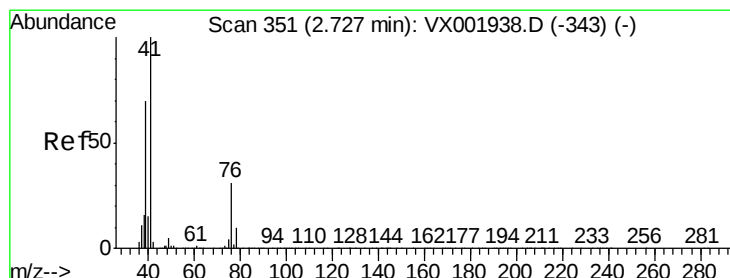
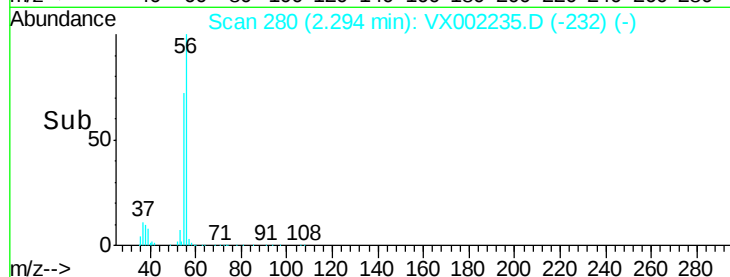
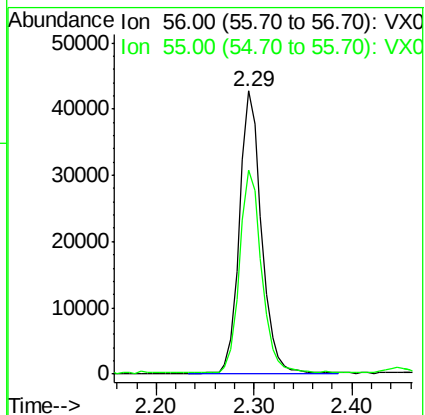
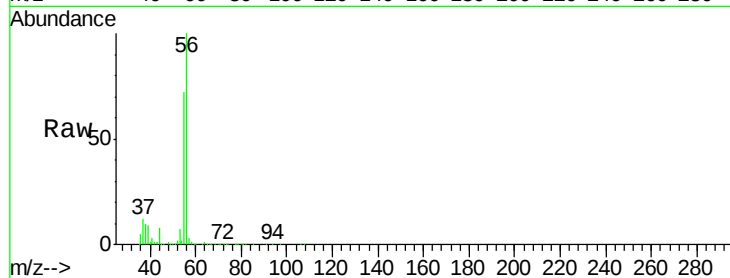
56.8

85.2

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#14

Allyl chloride

Concen: 54.115 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tgt Ion: 41 Resp: 266368

Ion Ratio Lower Upper

41 100

39 70.5

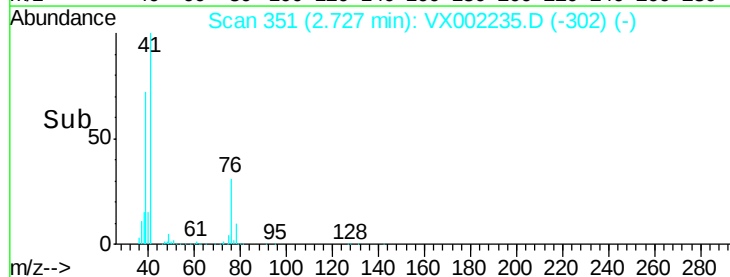
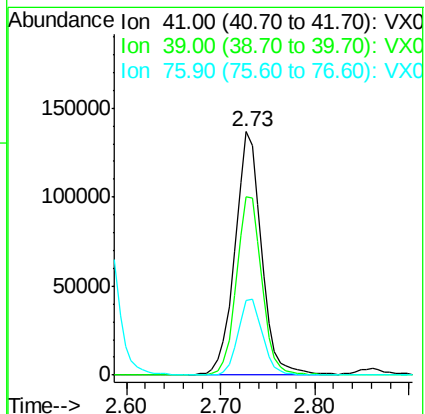
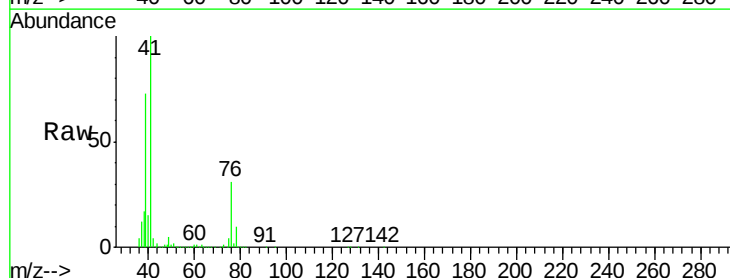
54.3

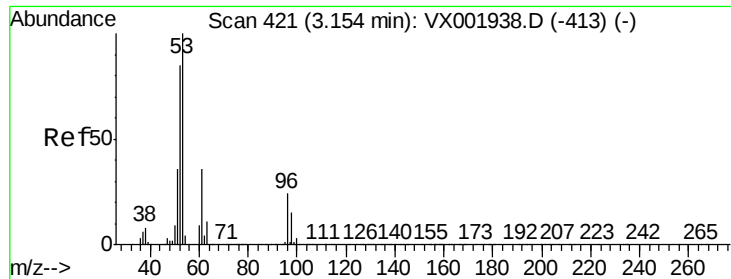
81.5

76 28.9

24.2

36.4





#15

Acrylonitrile

Concen: 299.829 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tot Ion:	53	Resp:	435226
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.6	29.3	43.9

Instrument :

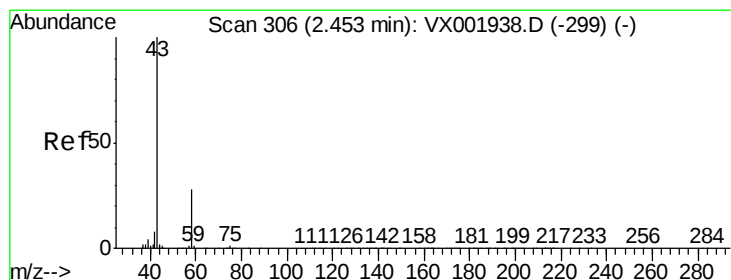
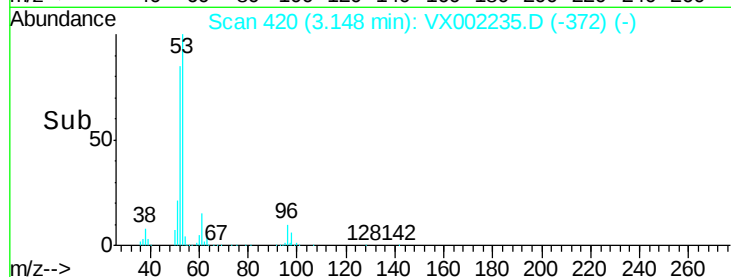
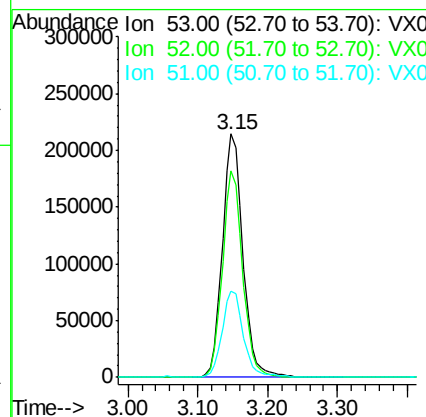
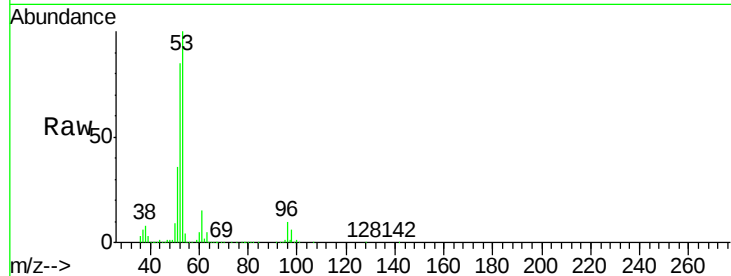
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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#16

Acetone

Concen: 332.442 ug/l

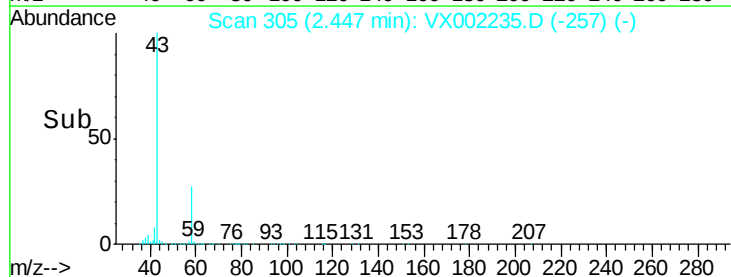
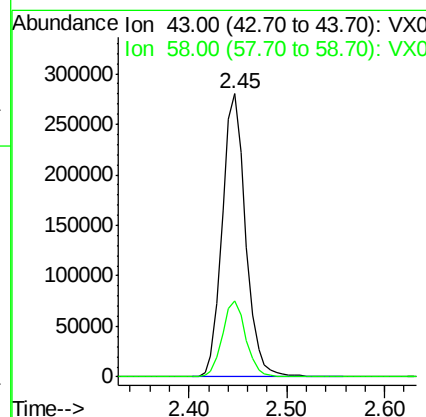
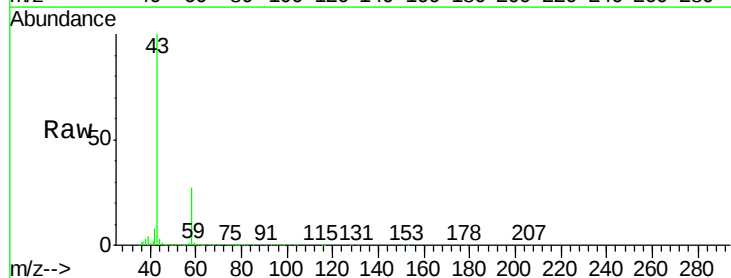
RT: 2.45 min Scan# 305

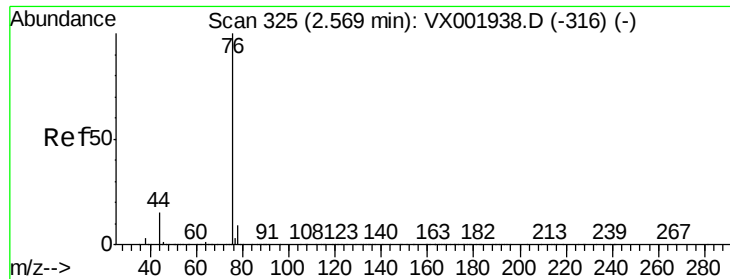
Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tgt Ion:	43	Resp:	461381
Ion Ratio		Lower	Upper
43	100		
58	27.0	22.3	33.5





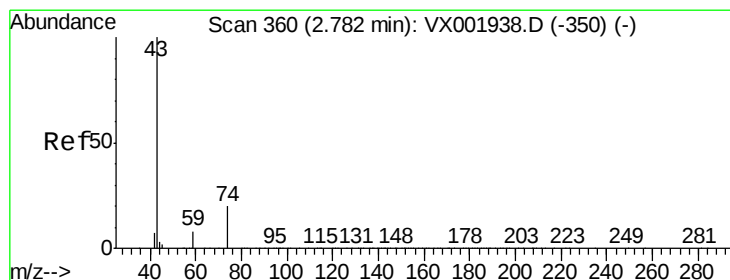
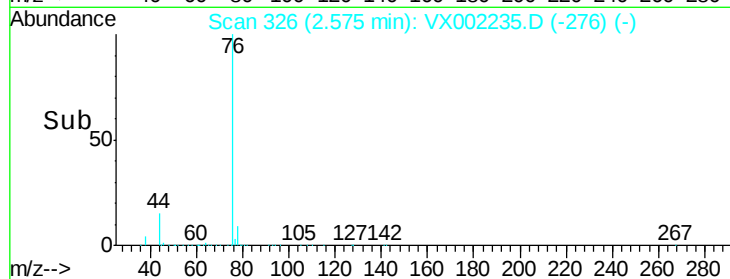
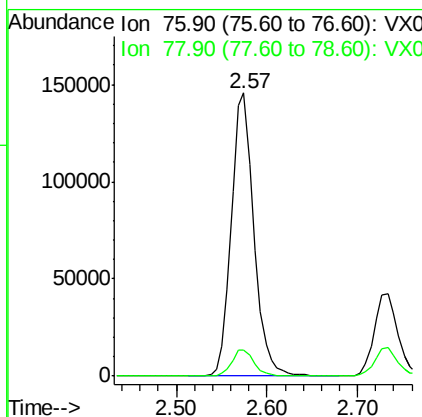
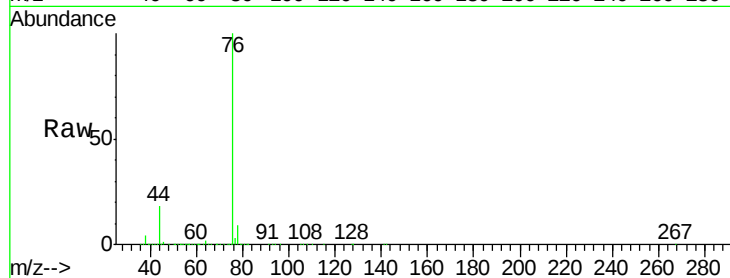
#17
Carbon Disulfide
Concen: 37.308 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

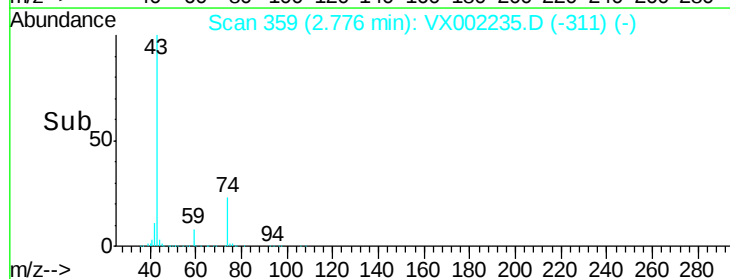
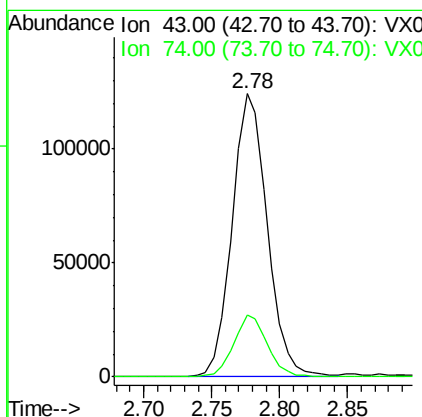
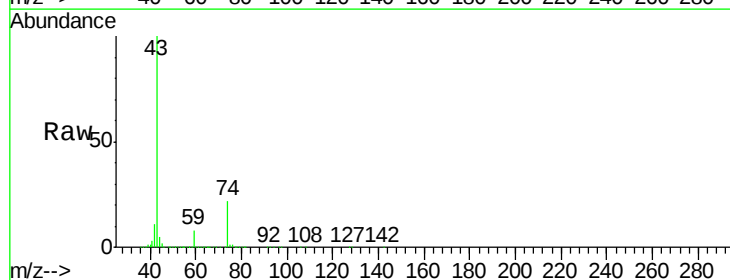
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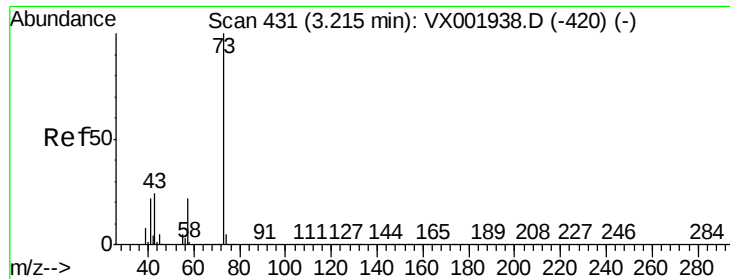
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#18
Methyl Acetate
Concen: 66.747 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.8	25.2





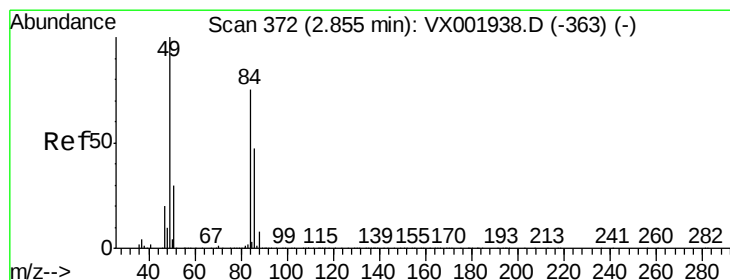
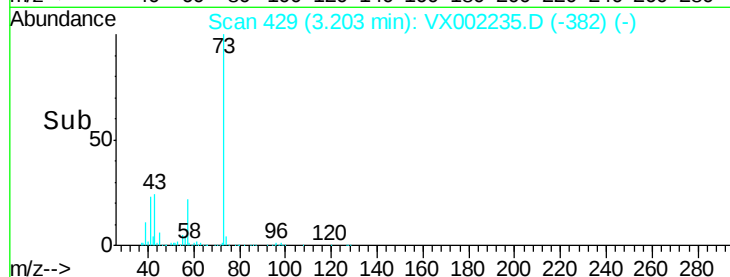
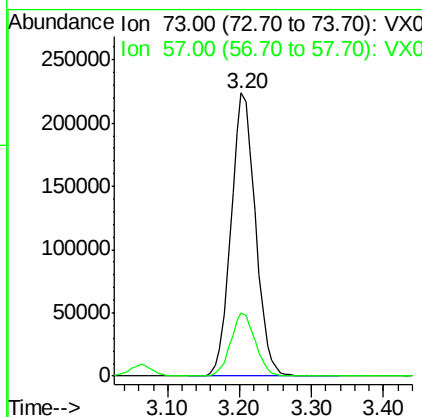
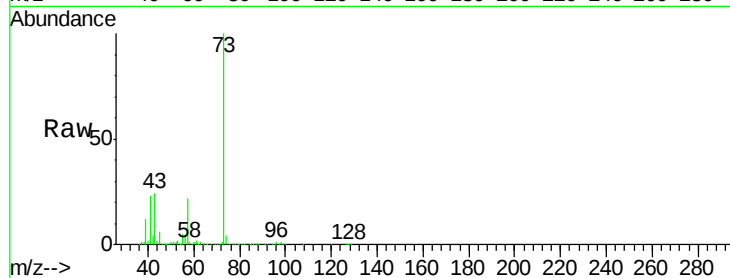
#19
Methvl tert-butvl Ether
Concen: 59.616 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 525790
Ion Ratio Lower Upper
73 100
57 22.4 17.4 26.0

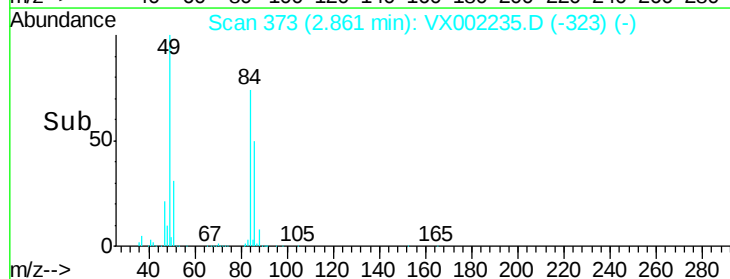
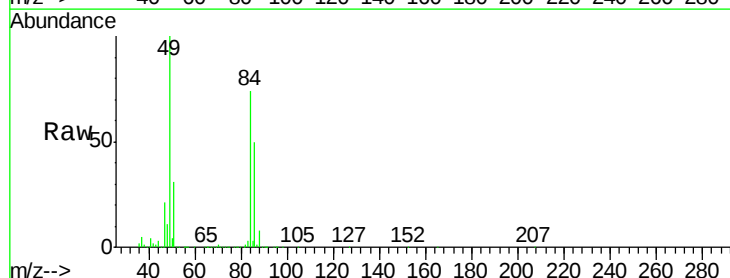
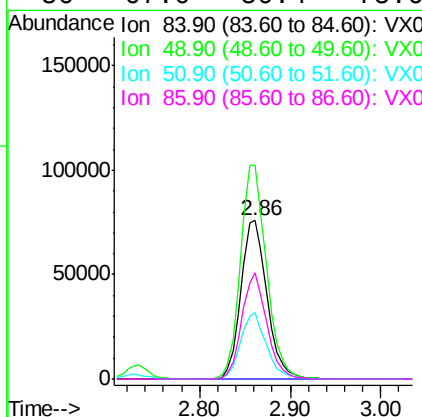
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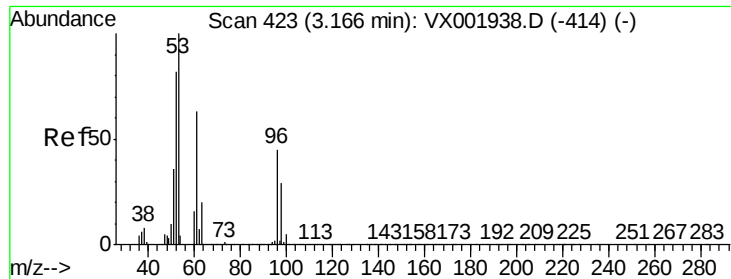
MMDadoda
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#20
Methylene Chloride
Concen: 63.279 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion: 84 Resp: 150994
Ion Ratio Lower Upper
84 100
49 134.5 107.2 160.8
51 41.8 32.4 48.6
86 67.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 56.429 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

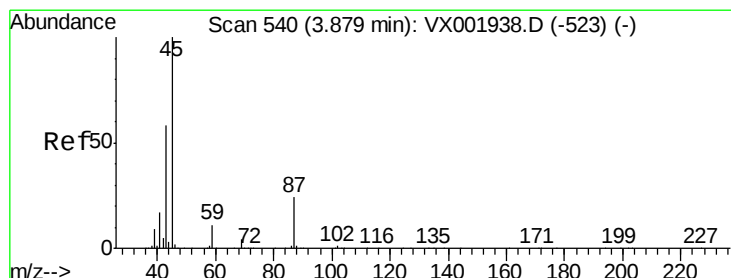
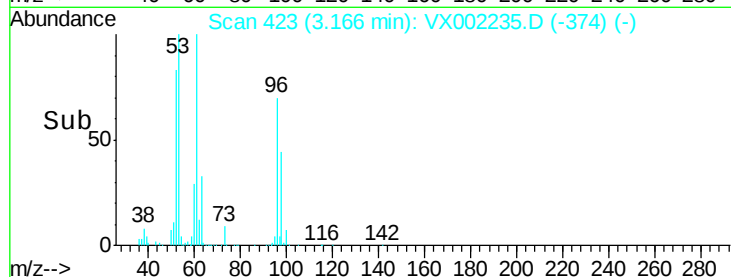
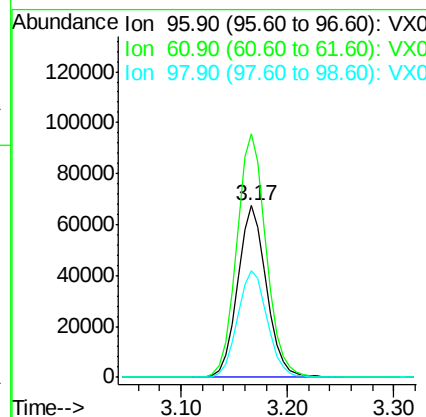
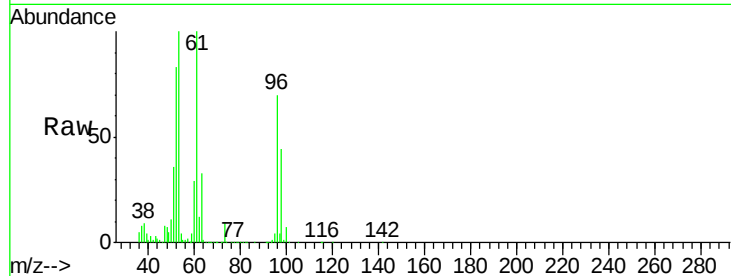
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	128360
Ion	Ratio	Lower	Upper
96	100		
61	141.8	113.3	169.9
98	62.3	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.350 ug/l

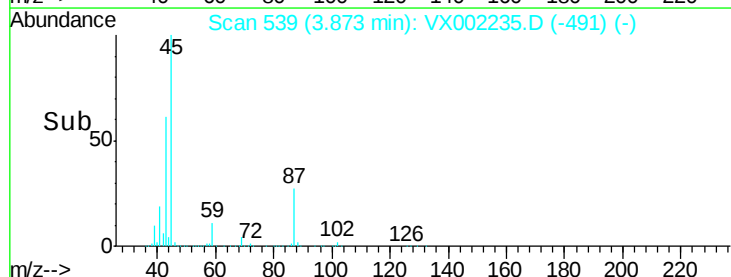
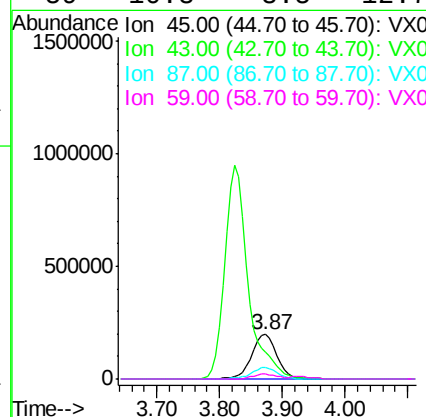
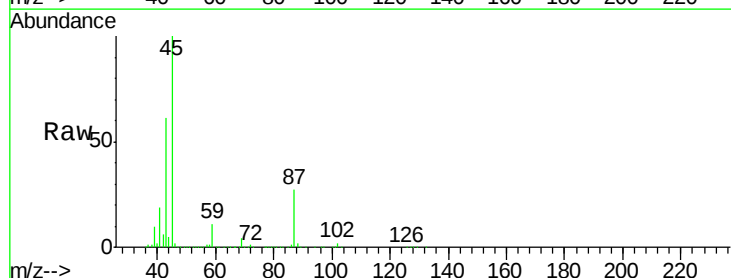
RT: 3.87 min Scan# 539

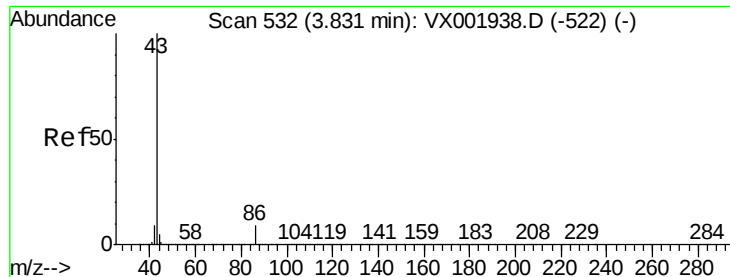
Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tgt Ion:	45	Resp:	554171
Ion	Ratio	Lower	Upper
45	100		
43	60.7	47.0	70.6
87	26.6	19.4	29.0
59	10.8	8.5	12.7





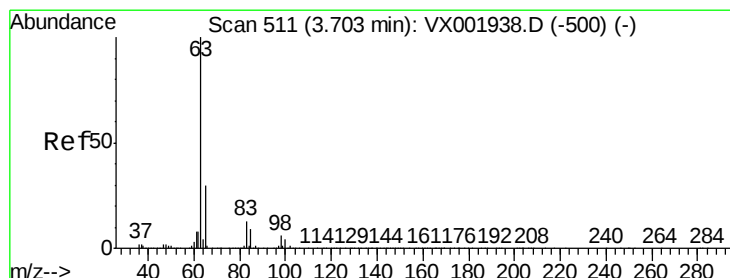
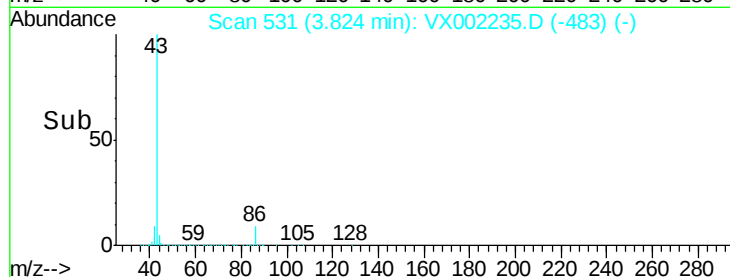
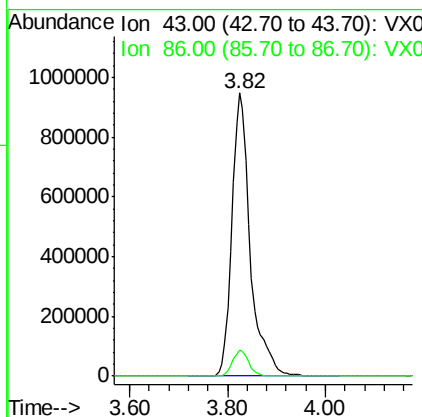
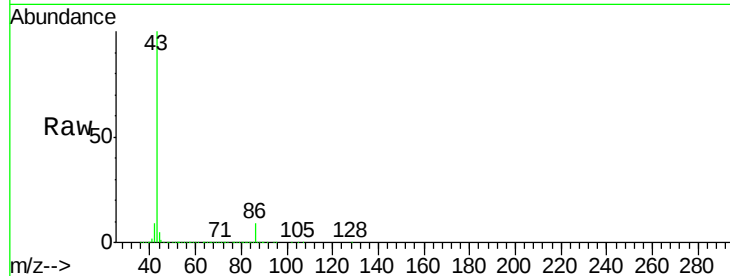
#23
 Vinyl Acetate
 Concen: 295.749 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2455059
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.6 11.4

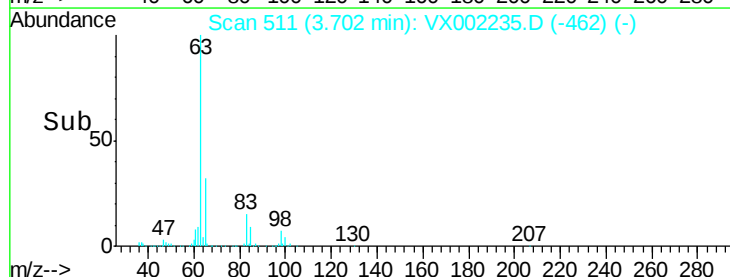
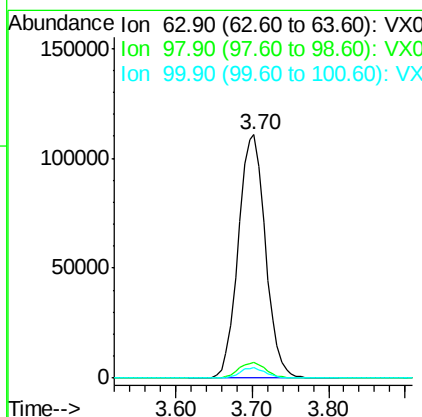
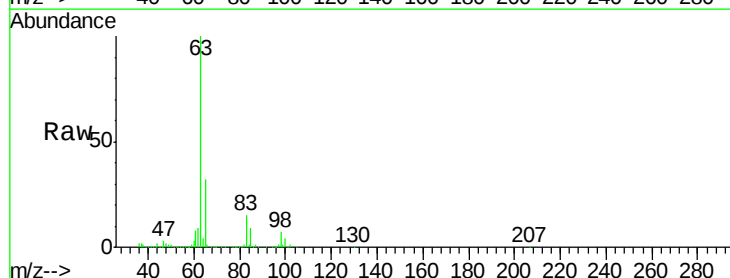
Manual Integrations
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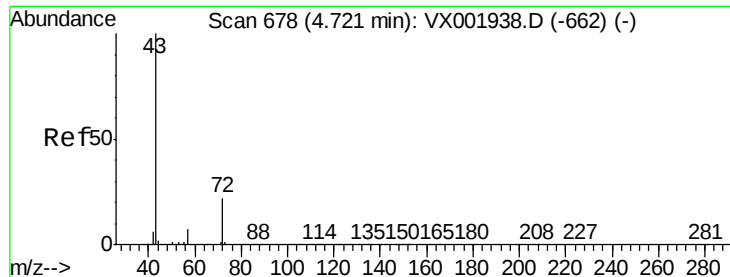
MMDadoda
 6/4/2018 2:31:50 PM



#24
 1,1-Dichloroethane
 Concen: 57.295 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Tgt Ion: 63 Resp: 272496
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 238.205 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.02 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tot Ion: 43 Resp: 605917

Ion Ratio Lower Upper

43 100

72 22.8 17.9 26.9

Instrument :

MSVOA_X

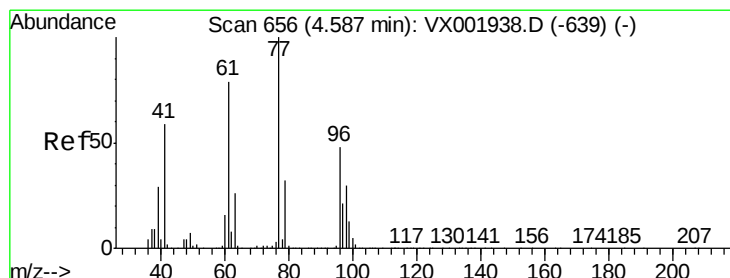
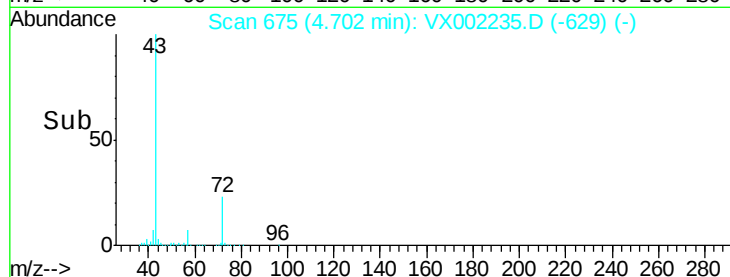
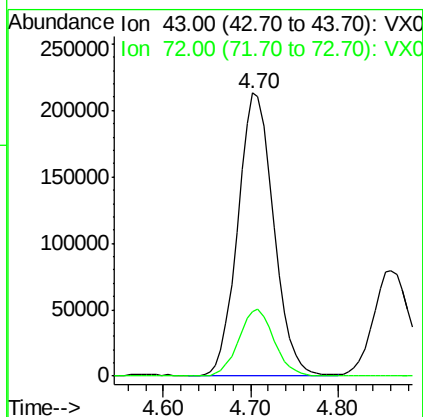
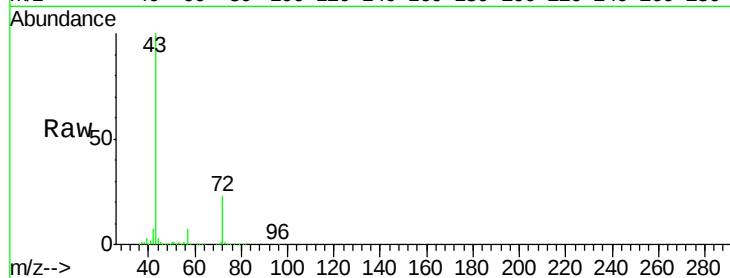
ClientSampleId :

VSTDCCC050

Manual Integrations
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MMDadoda

6/4/2018 2:31:50 PM



#26

2,2-Dichloropropane

Concen: 41.782 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002235.D

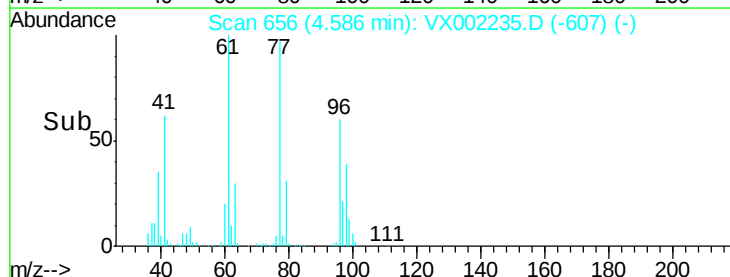
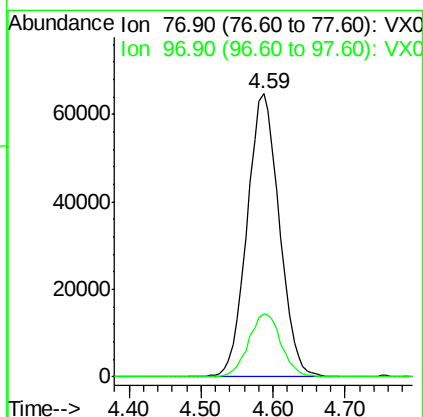
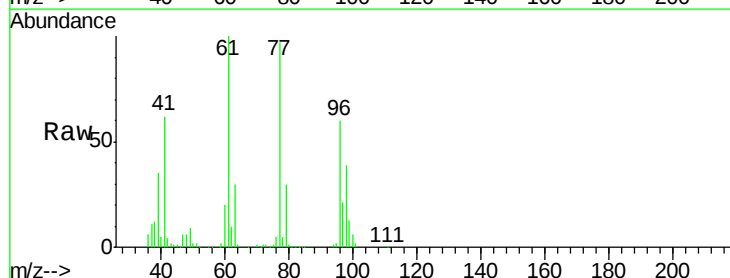
Acq: 02 Jun 2018 11:42

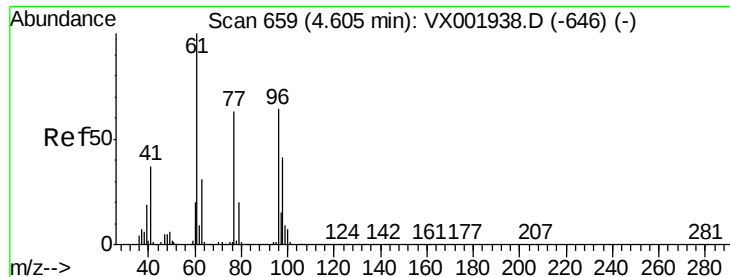
Tgt Ion: 77 Resp: 201133

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5





#27

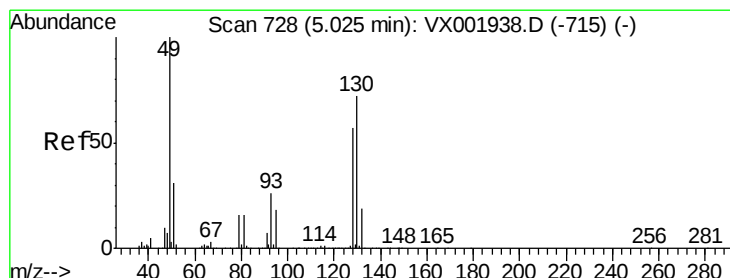
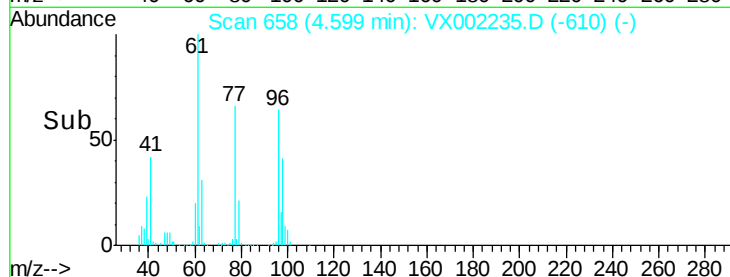
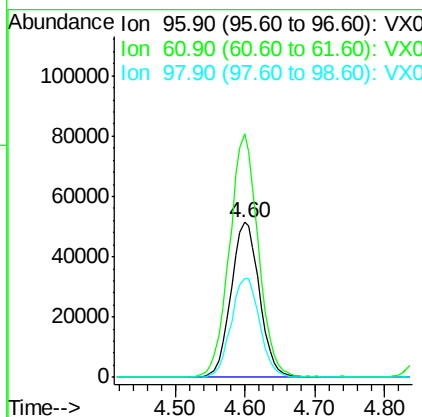
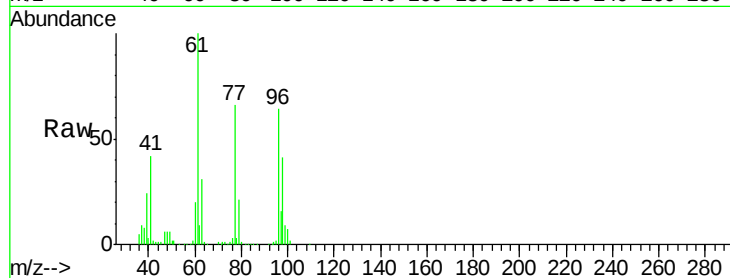
cis-1,2-Dichloroethene
Concen: 47.342 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	348.4
98	64.5	0.0	128.6

Manual Integrations
APPROVED

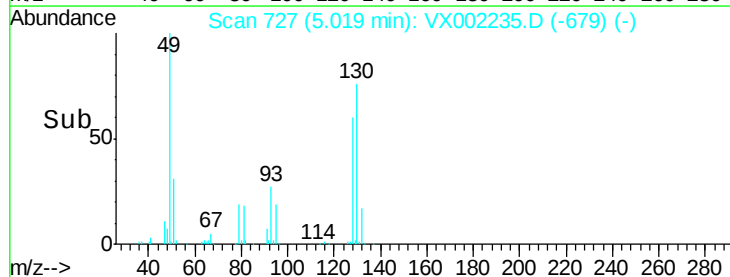
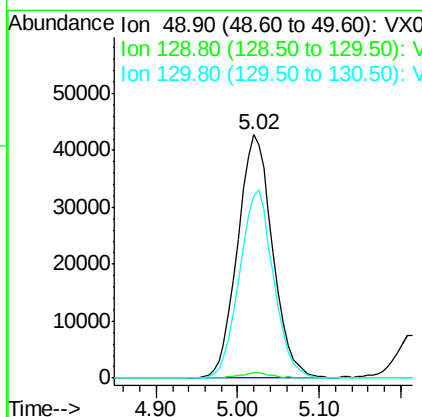
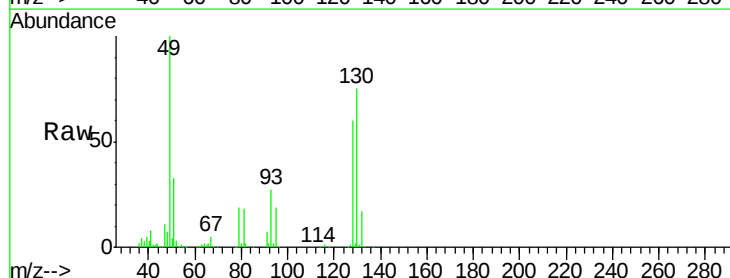
MMDadoda
6/4/2018 2:31:50 PM

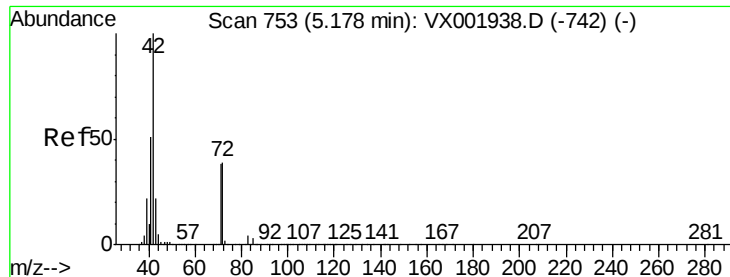


#28

Bromochloromethane
Concen: 64.288 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	75.2	59.4	89.2





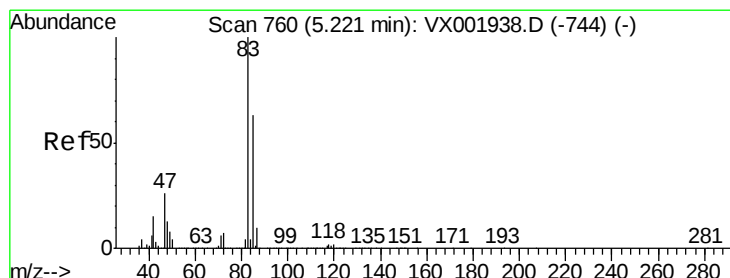
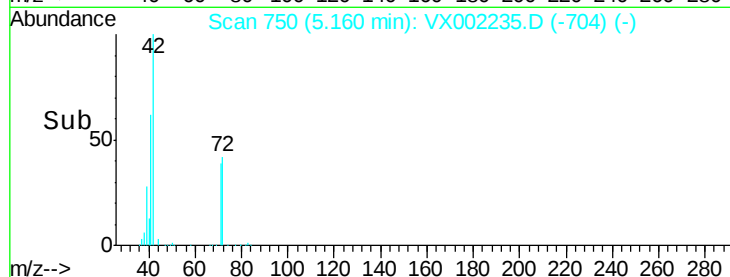
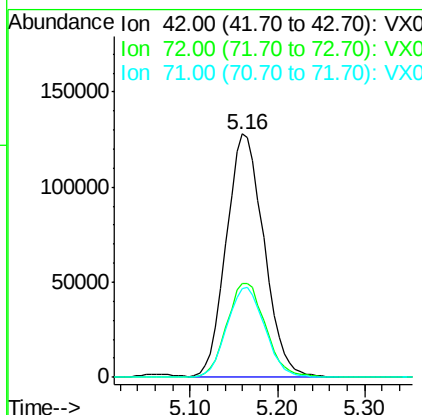
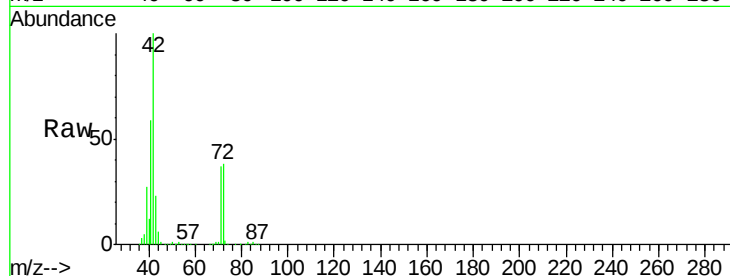
#29
Tetrahydrofuran
Concen: 230.454 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.02 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	381392
Ion Ratio		Lower	Upper
42	100		
72	40.0	31.4	47.0
71	37.5	29.5	44.3

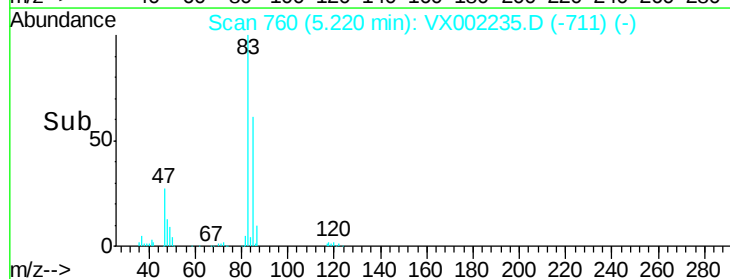
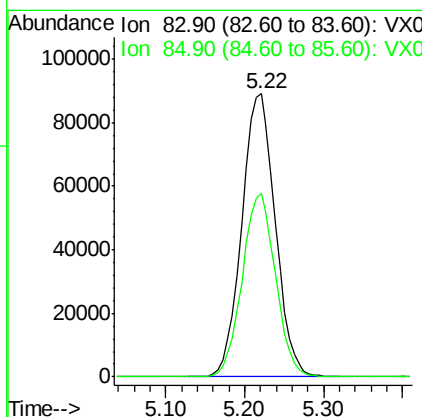
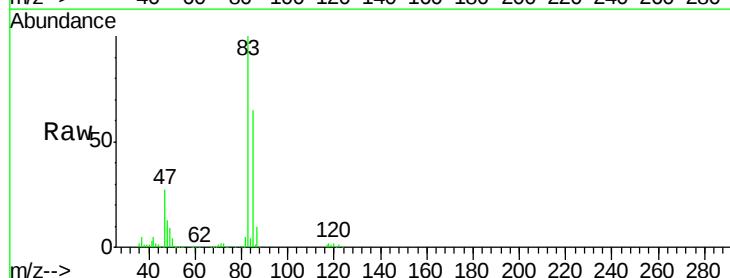
Manual Integrations
APPROVED

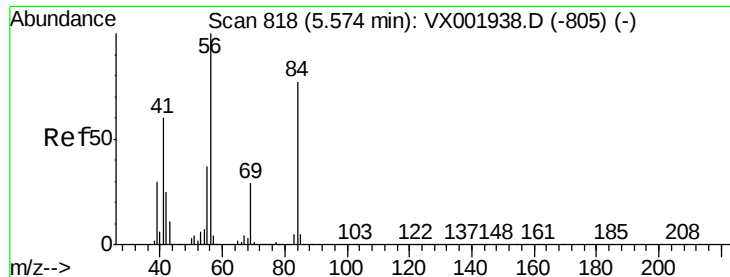
MMDadoda
6/4/2018 2:31:50 PM



#30
Chloroform
Concen: 49.037 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion:	83	Resp:	262753
Ion Ratio		Lower	Upper
83	100		
85	65.0	50.9	76.3





#31

Cyclohexane

Concen: 39.401 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

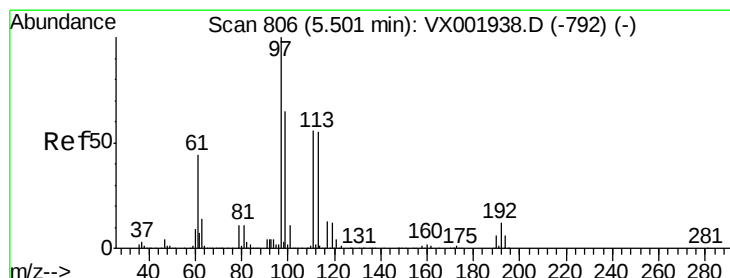
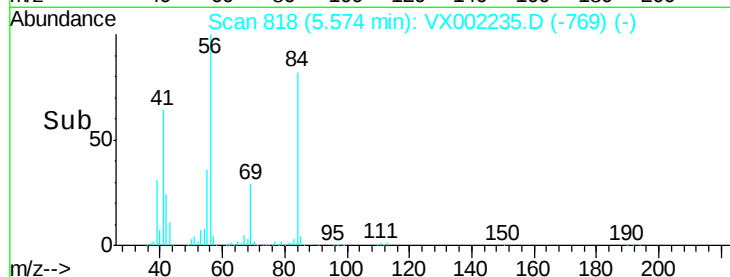
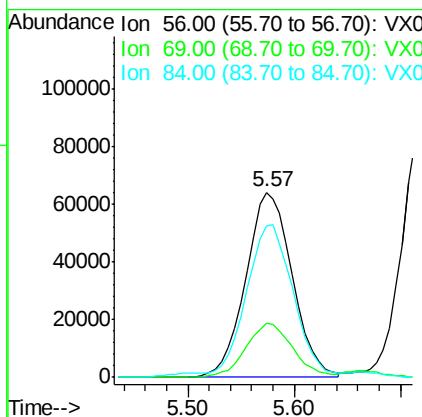
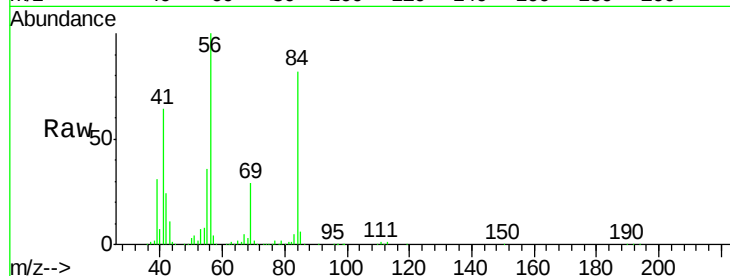
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	195237
Ion Ratio	Lower	Upper	
56	100		
69	28.9	23.1	34.7
84	80.1	62.0	93.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 42.608 ug/l

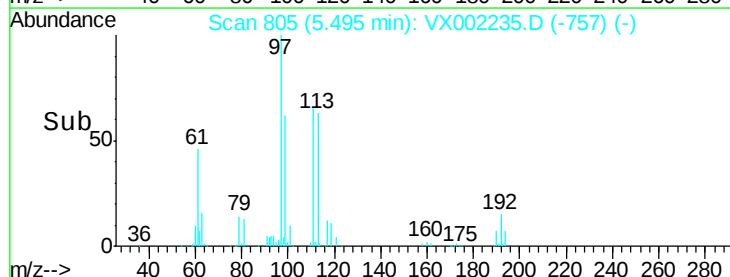
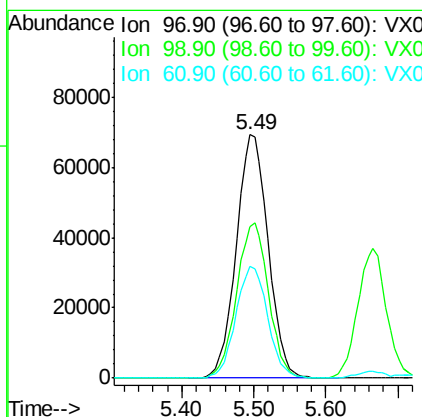
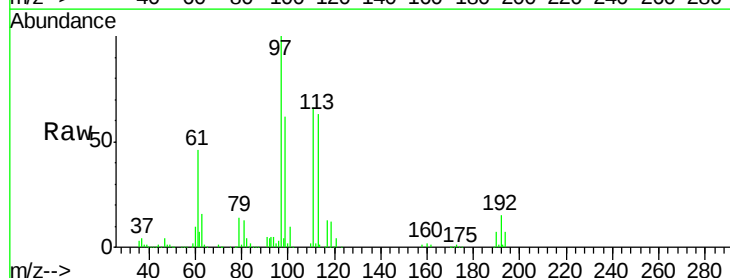
RT: 5.49 min Scan# 805

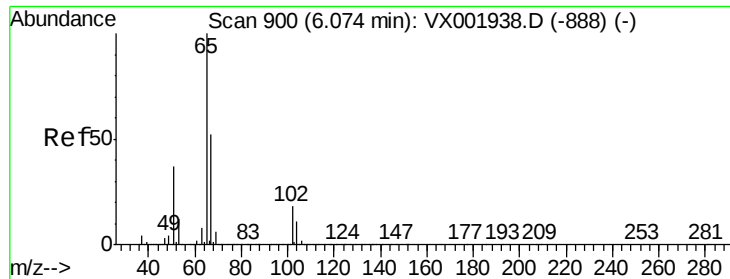
Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tgt Ion:	97	Resp:	212840
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.9	77.9
61	45.9	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 53.786 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 193420

Ion Ratio Lower Upper

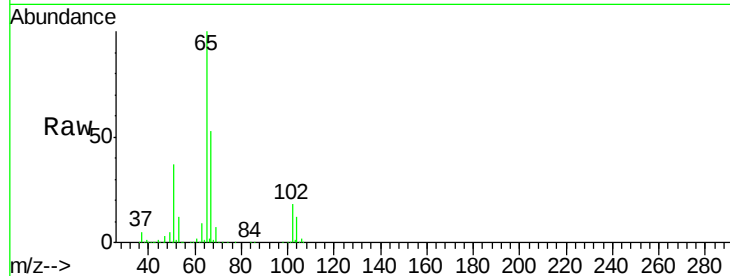
65 100

67 51.4 0.0 104.0

Manual Integrations
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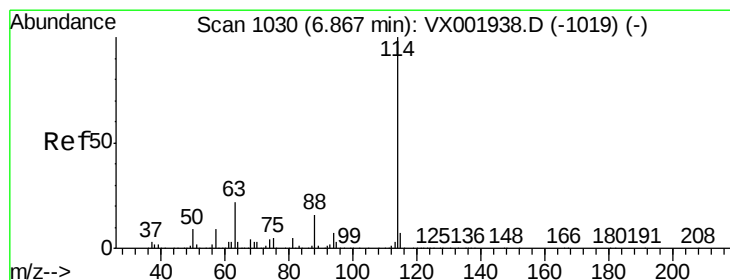
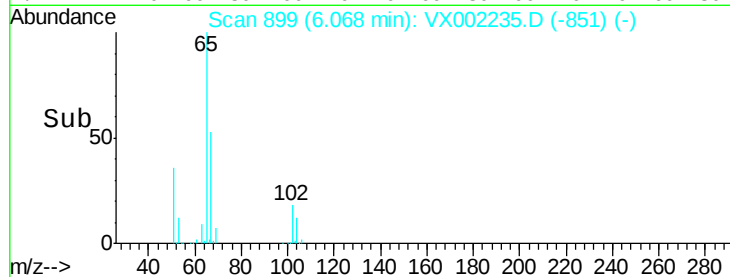
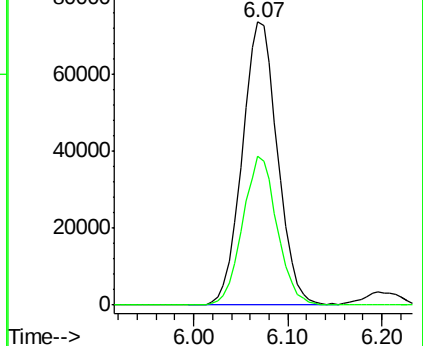
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

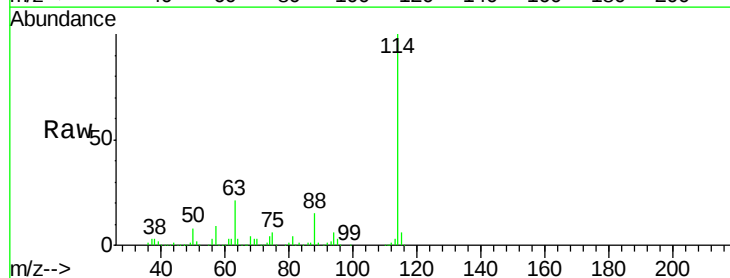
Tgt Ion: 114 Resp: 288355

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

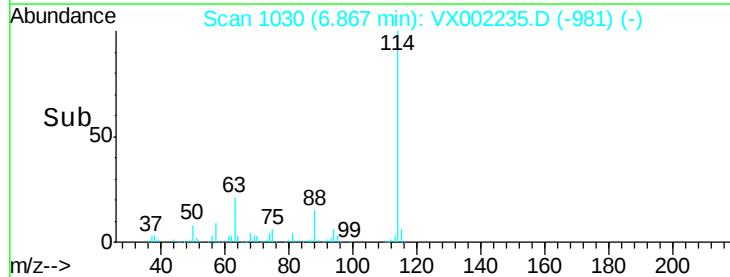
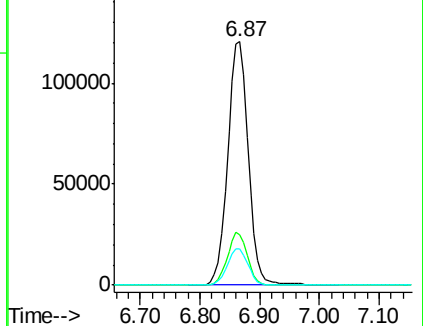
88 14.8 0.0 31.6

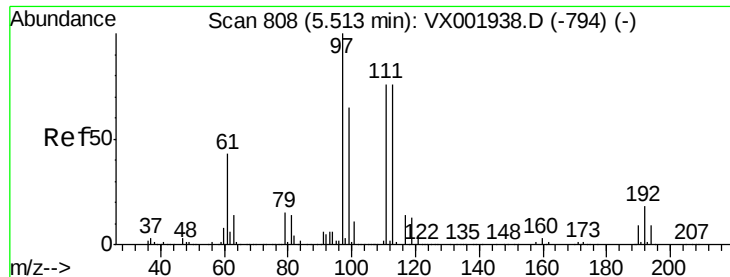


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





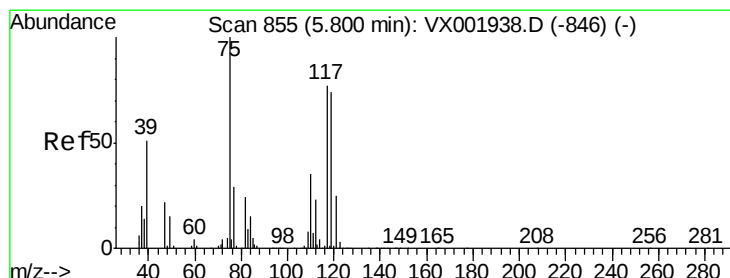
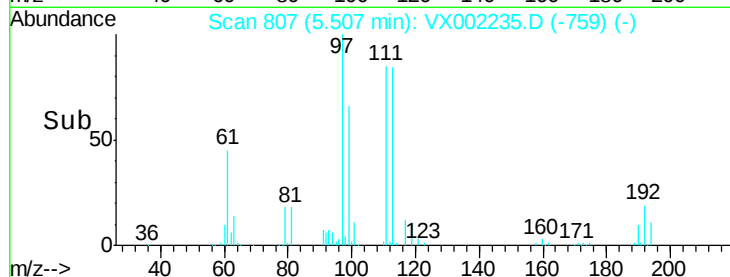
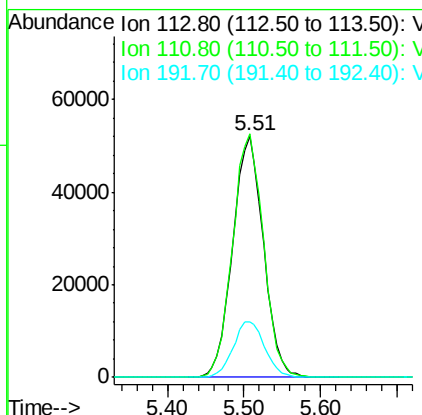
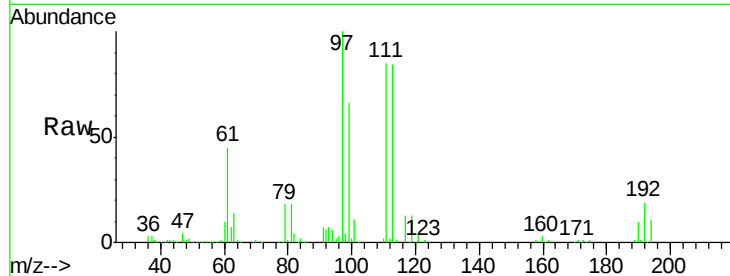
#35
 Dibromofluoromethane
 Concen: 50.269 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144953		
111	101.3	82.0	123.0	
192	23.7	18.9	28.3	

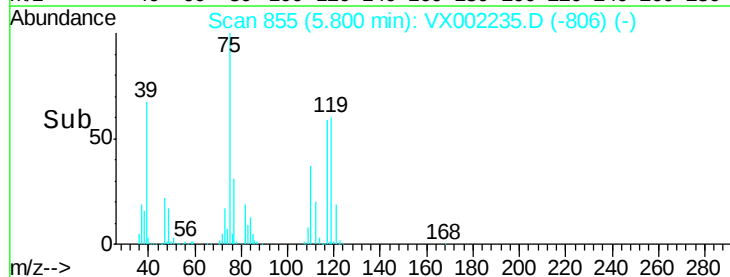
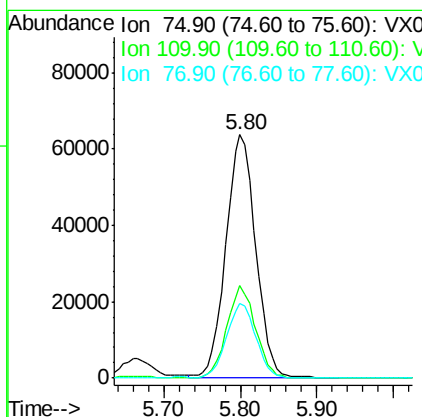
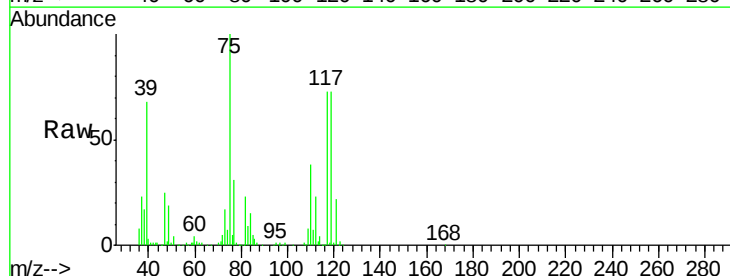
Manual Integrations
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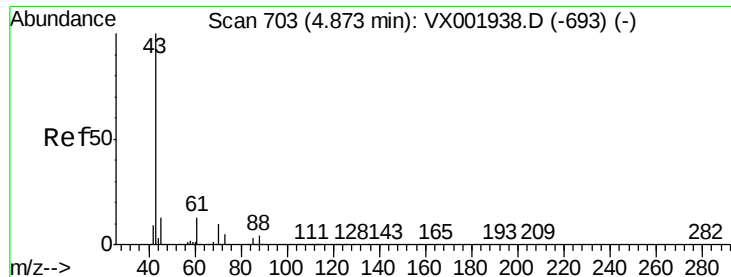
MMDadoda
 6/4/2018 2:31:50 PM



#36
 1,1-Dichloropropene
 Concen: 42.661 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	171108		
110	36.7	17.4	52.2	
77	30.0	24.4	36.6	





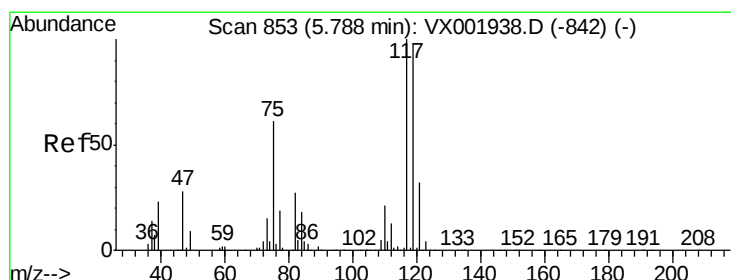
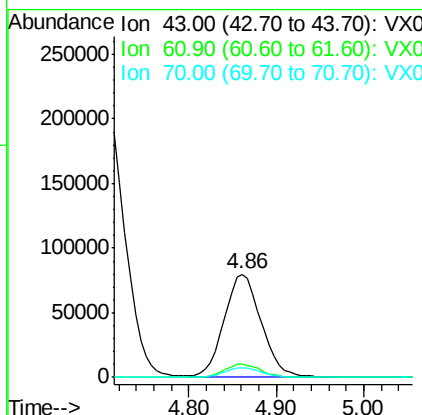
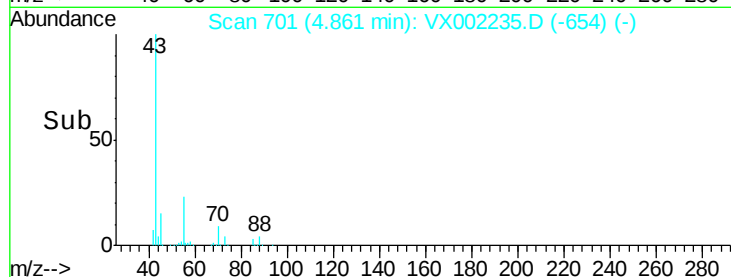
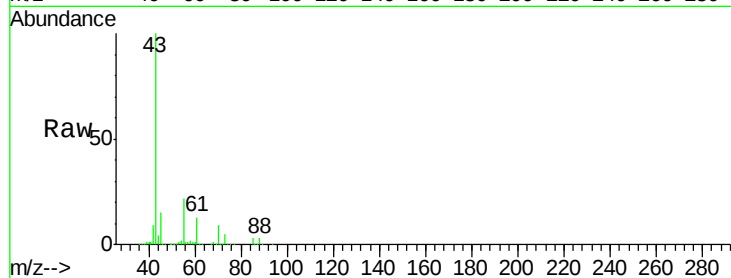
#37
Ethyl Acetate
Concen: 44.685 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	9.6	7.8	11.8

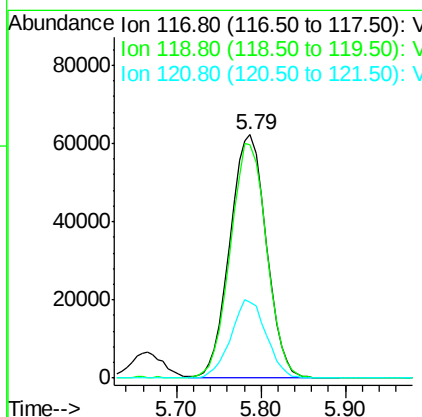
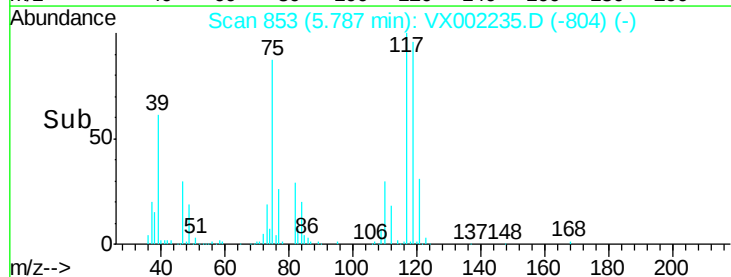
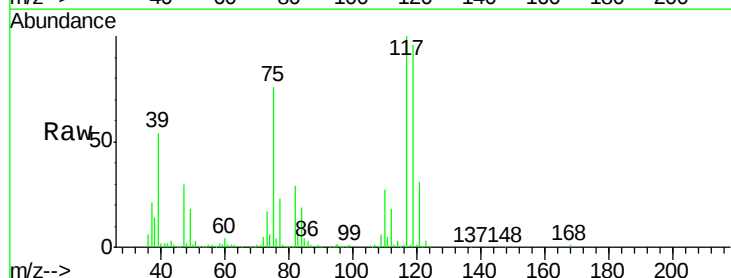
Manual Integrations
APPROVED

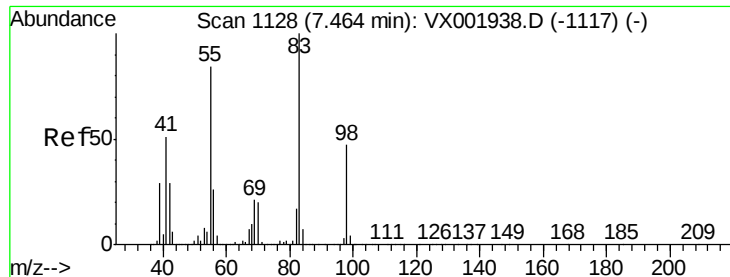
MMDadoda
6/4/2018 2:31:50 PM



#38
Carbon Tetrachloride
Concen: 39.127 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.5	117.7
121	31.3	25.5	38.3





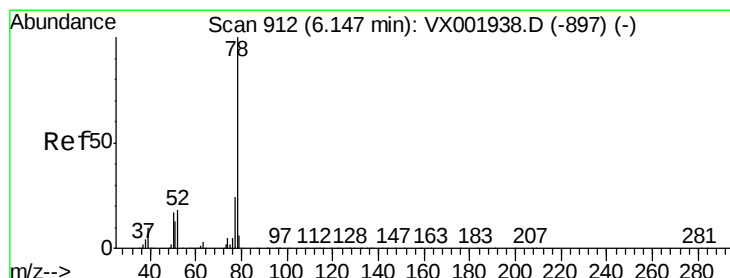
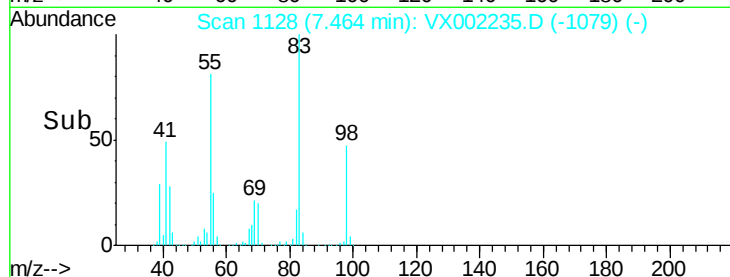
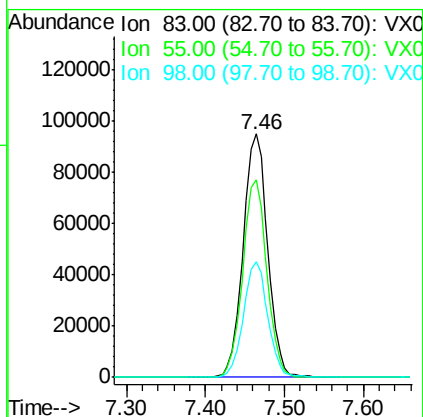
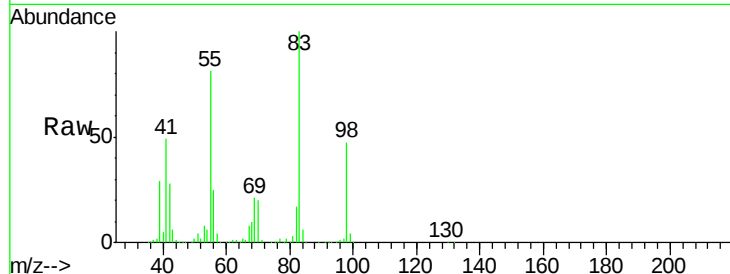
#39
Methvlcvclohexane
Concen: 41.647 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	67.3	100.9
98	47.4	37.5	56.3

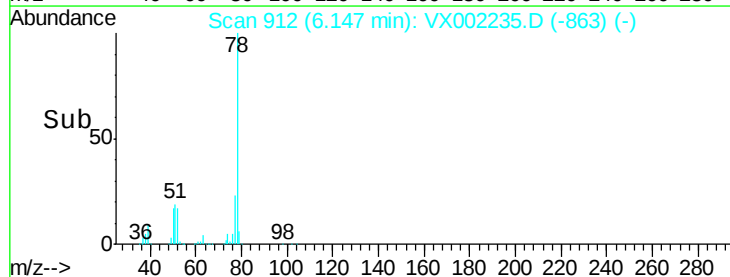
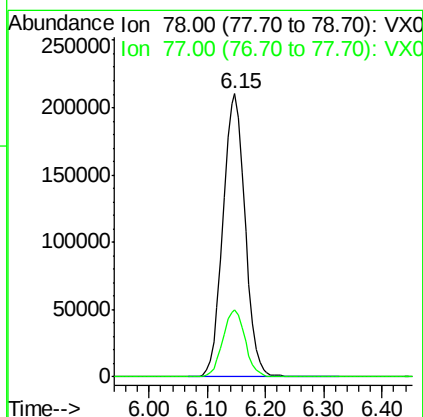
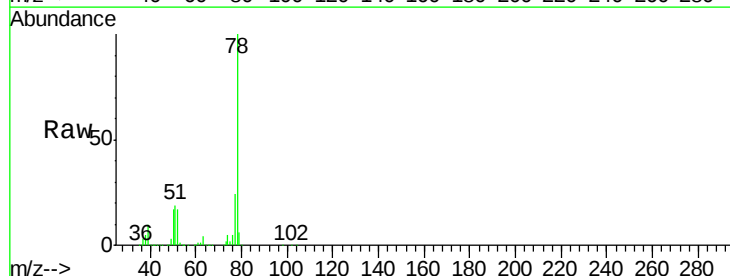
Manual Integrations
APPROVED

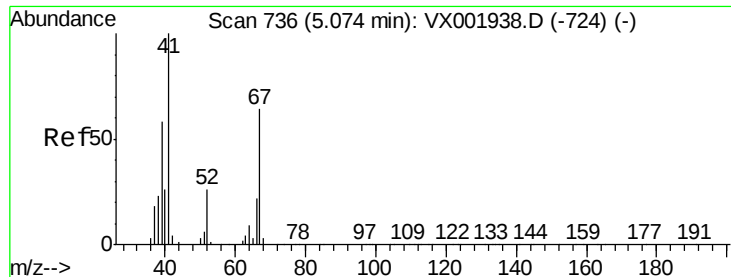
MMDadoda
6/4/2018 2:31:50 PM



#40
Benzene
Concen: 47.359 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





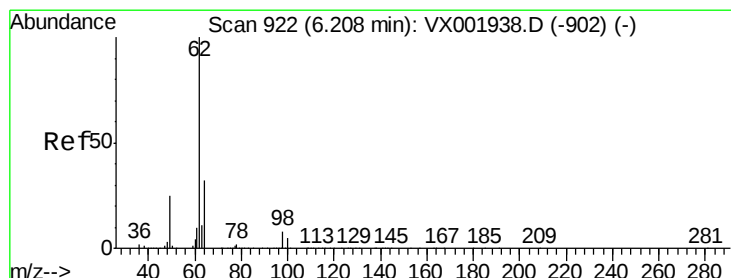
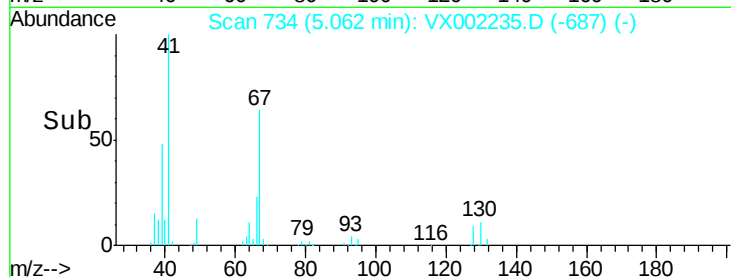
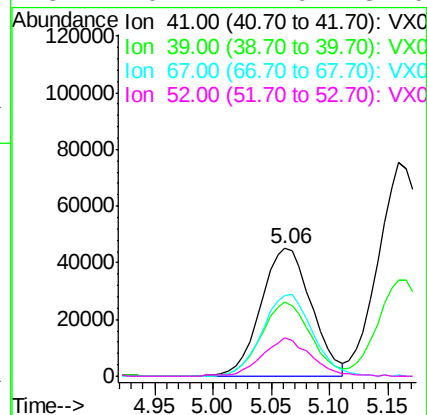
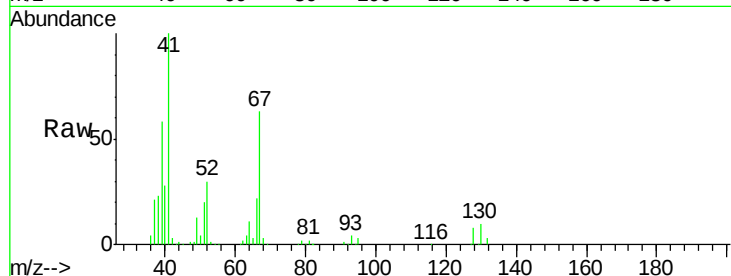
#41
Methacrylonitrile
Concen: 49.039 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.5	46.0	69.0
67	63.6	50.6	75.8
52	29.4	21.9	32.9

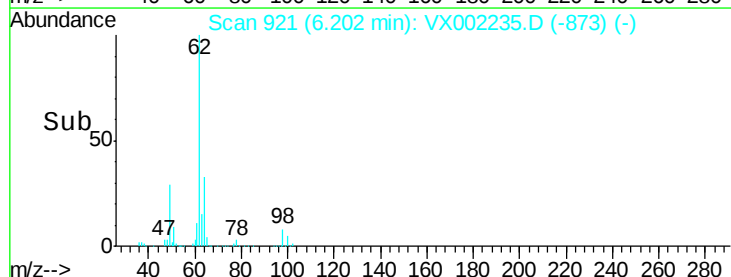
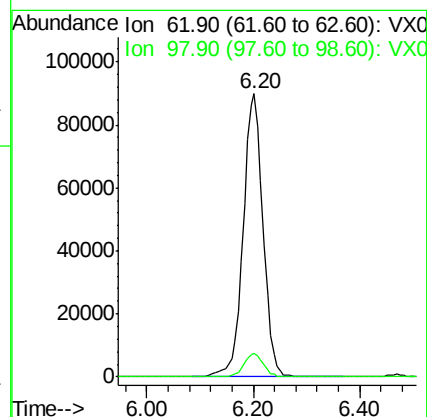
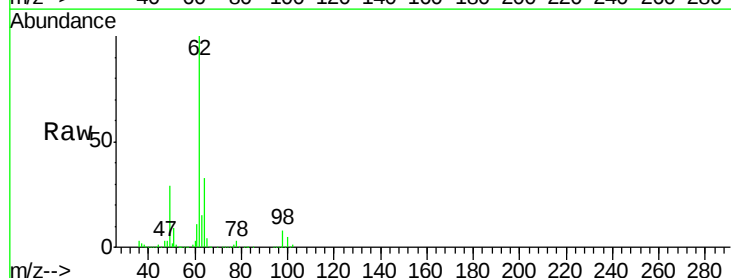
Manual Integrations
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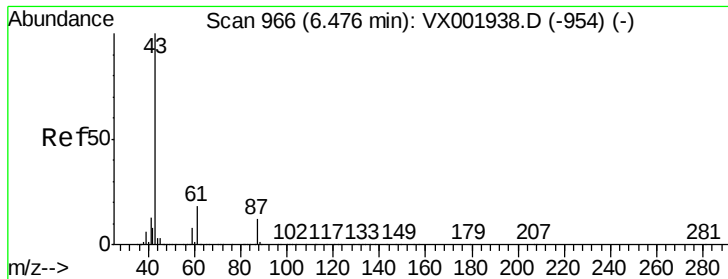
MMDadoda
6/4/2018 2:31:50 PM



#42
1,2-Dichloroethane
Concen: 49.366 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.0





#43

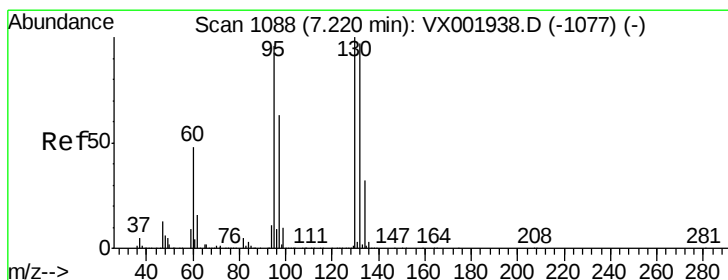
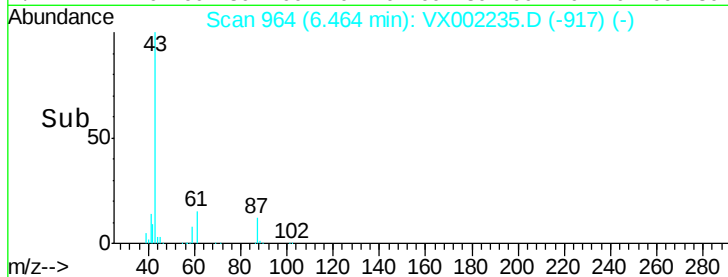
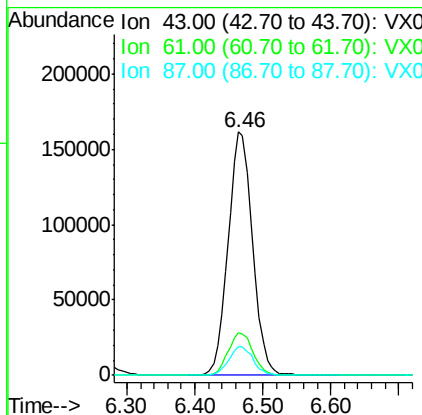
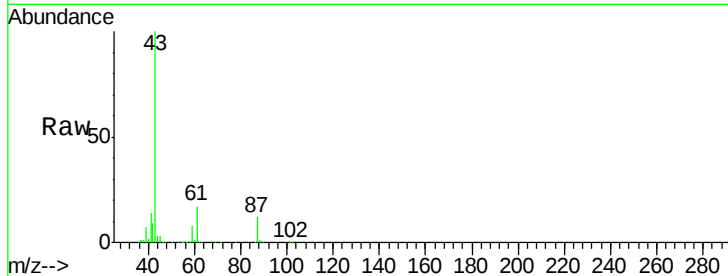
Isopropyl Acetate
 Concen: 46.037 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.5	21.7
87	11.8	9.5	14.3

Manual Integrations
 APPROVED

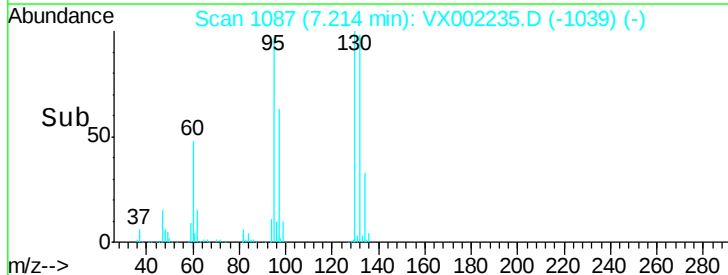
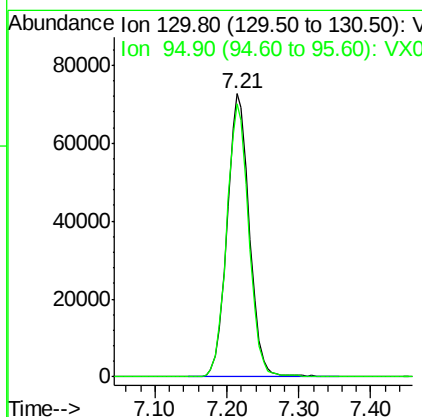
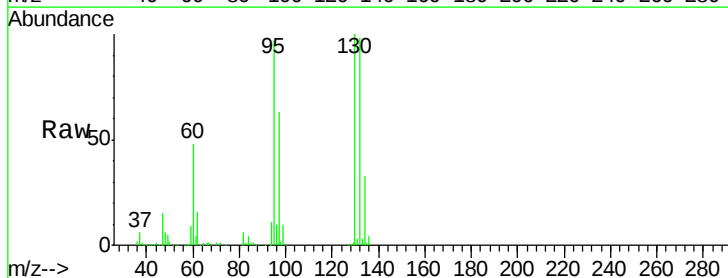
MMDadoda
 6/4/2018 2:31:50 PM

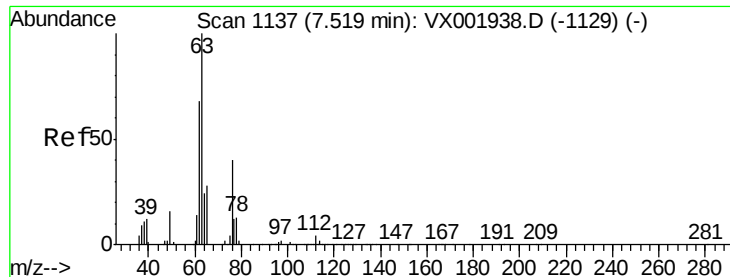


#44

Trichloroethene
 Concen: 45.583 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	192.0





#45

1,2-Dichloropropane

Concen: 48.900 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 156048

Ion Ratio Lower Upper

63 100

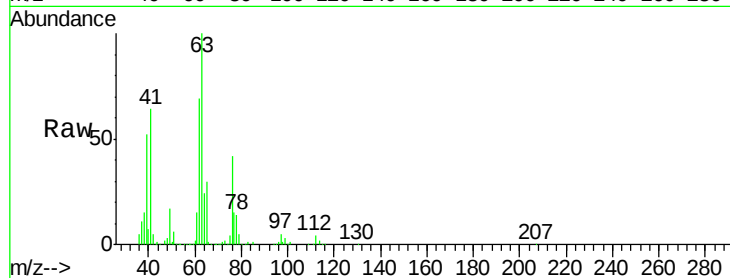
65 30.4 24.1 36.1

Manual Integrations

APPROVED

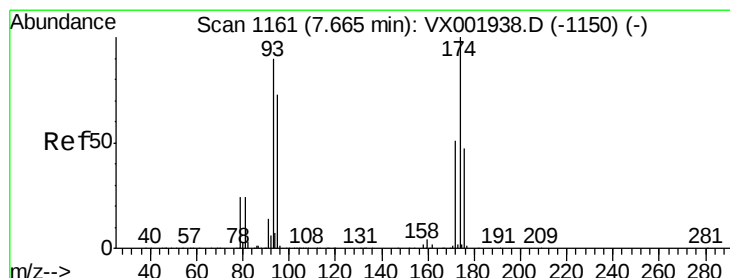
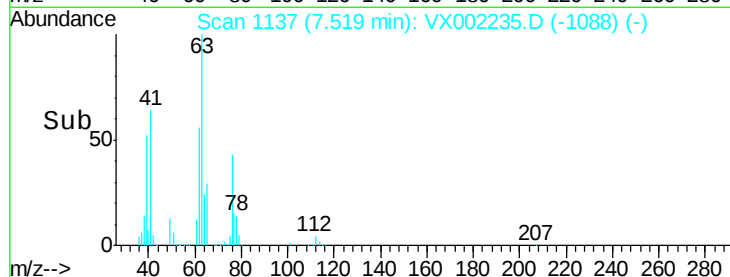
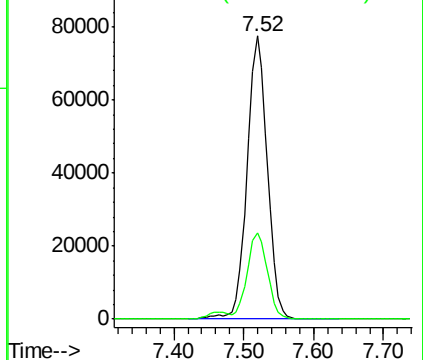
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.300 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

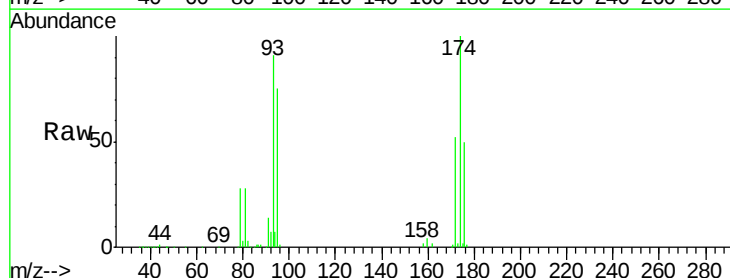
Tgt Ion: 93 Resp: 106274

Ion Ratio Lower Upper

93 100

95 82.5 66.1 99.1

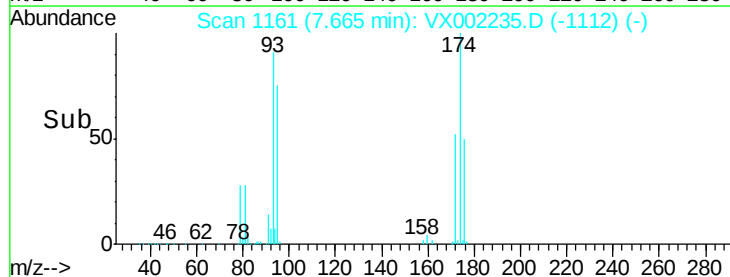
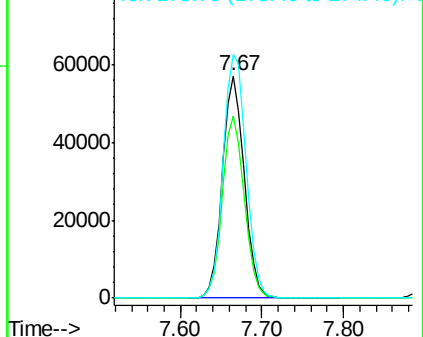
174 114.2 92.5 138.7

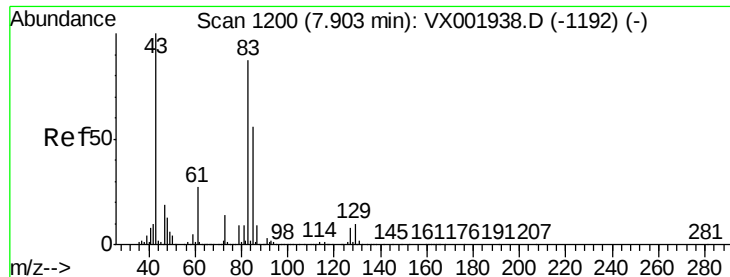


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 43.797 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

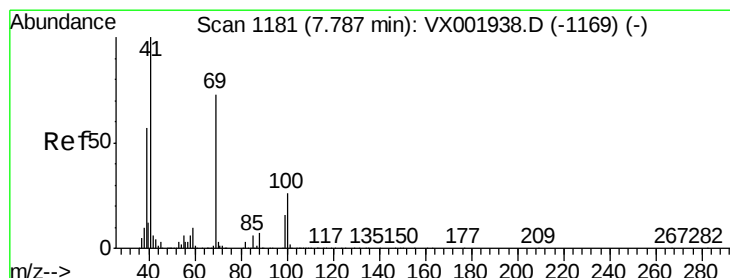
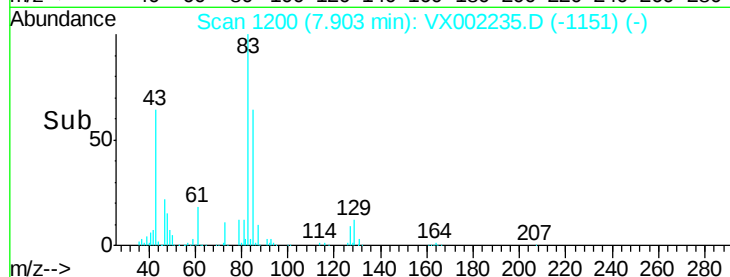
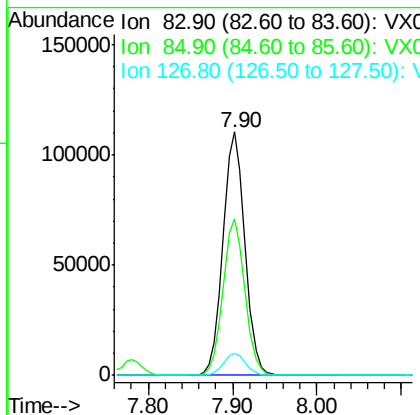
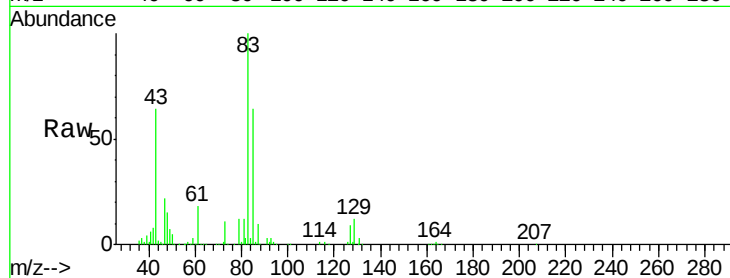
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	197304
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.2
127	9.1	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.043 ug/l

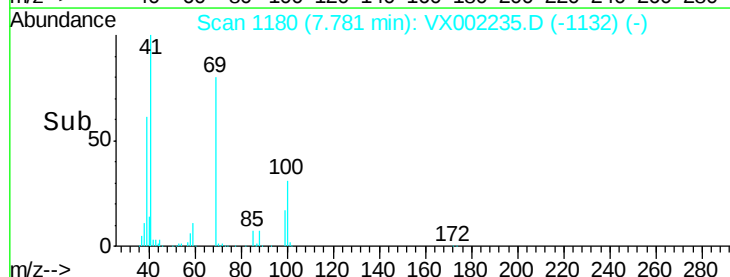
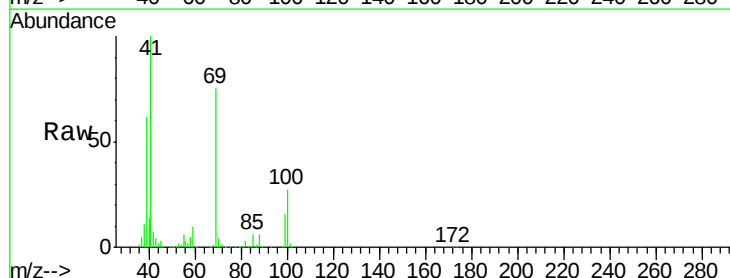
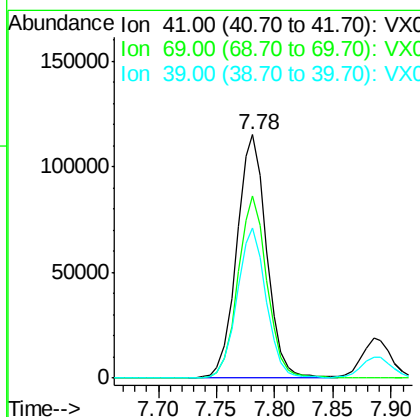
RT: 7.78 min Scan# 1180

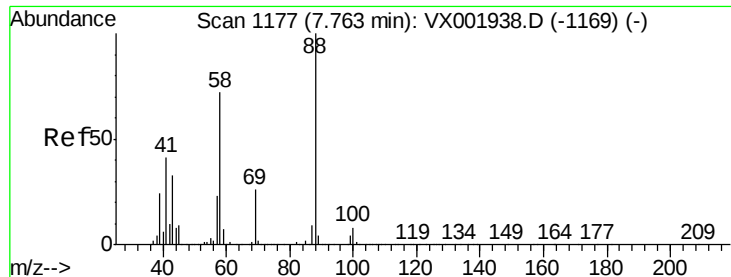
Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tgt Ion:	41	Resp:	204173
Ion	Ratio	Lower	Upper
41	100		
69	74.0	58.6	87.8
39	60.7	46.3	69.5





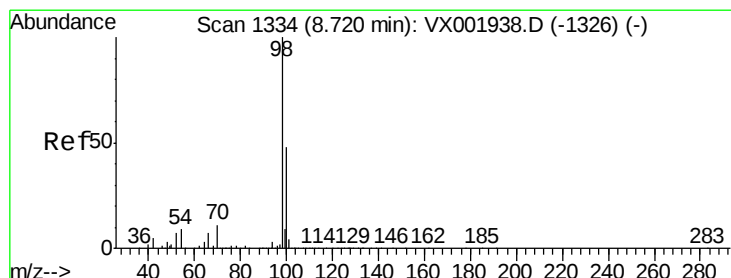
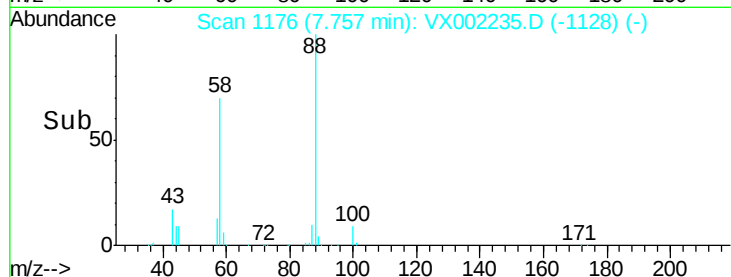
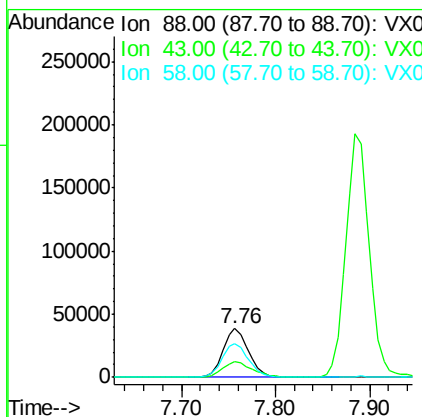
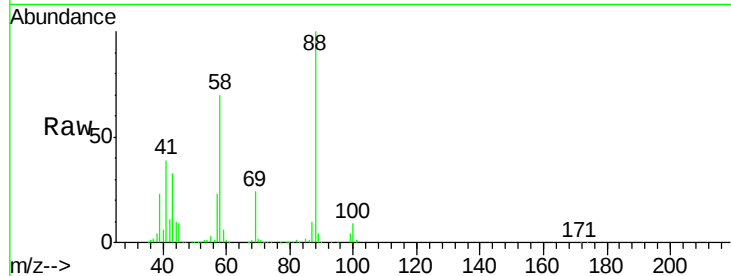
#49
1,4-Dioxane
Concen: 928.200 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	29.8	44.8
58	72.2	58.7	88.1

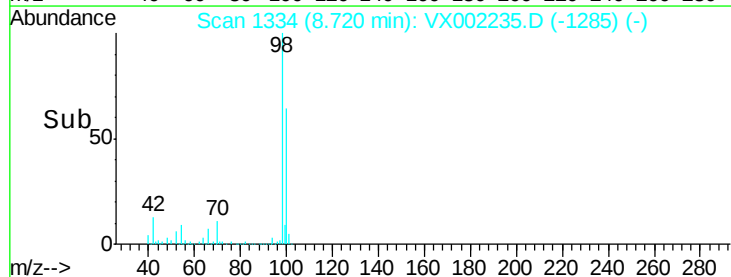
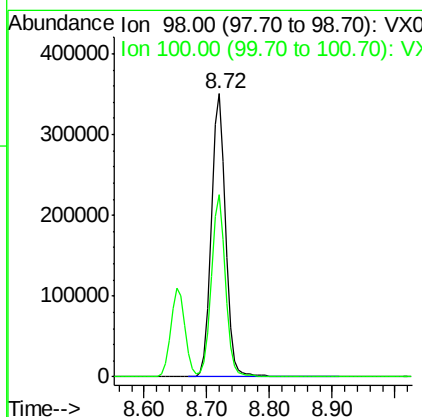
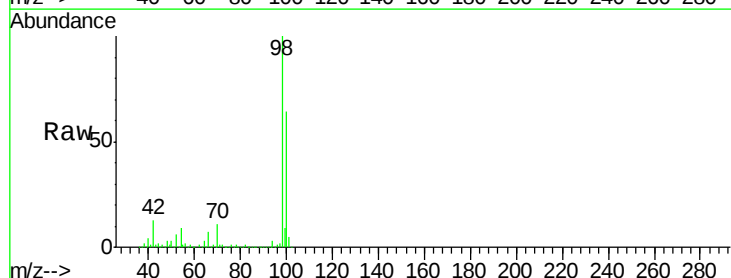
Manual Integrations
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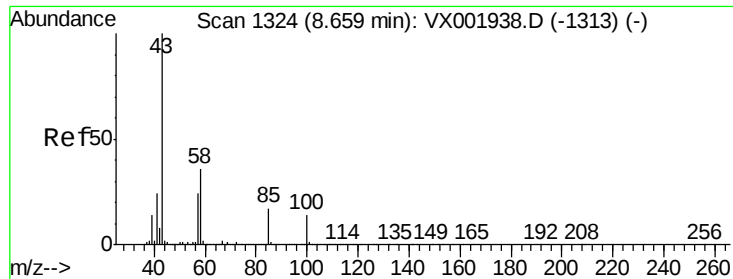
MMDadoda
6/4/2018 2:31:50 PM



#50
Toluene-d8
Concen: 52.702 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 245.314 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1288435

Ion Ratio Lower Upper

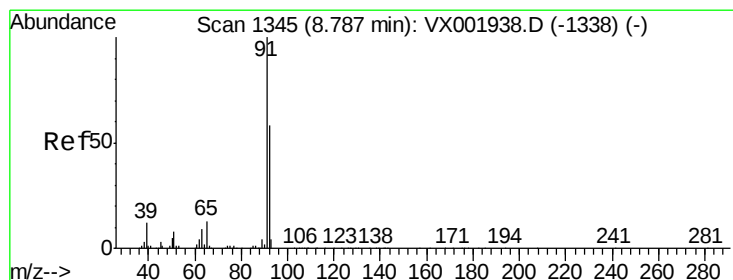
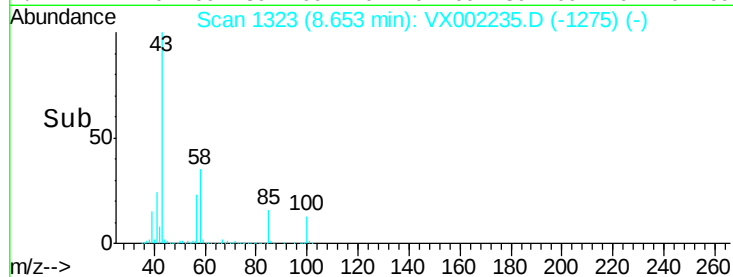
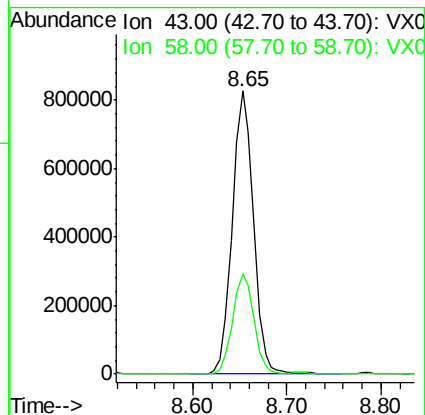
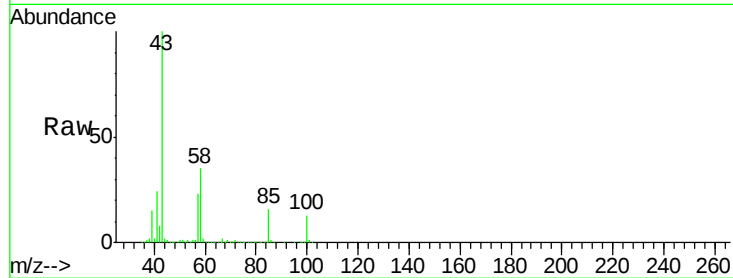
43 100

58 35.4 28.5 42.7

Manual Integrations
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MMDadoda

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#52

Toluene

Concen: 48.123 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002235.D

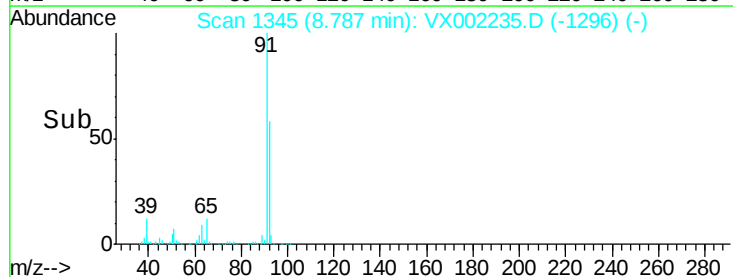
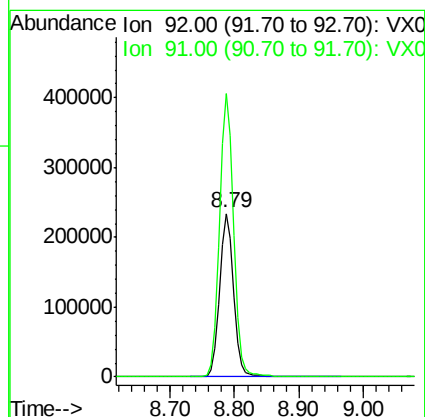
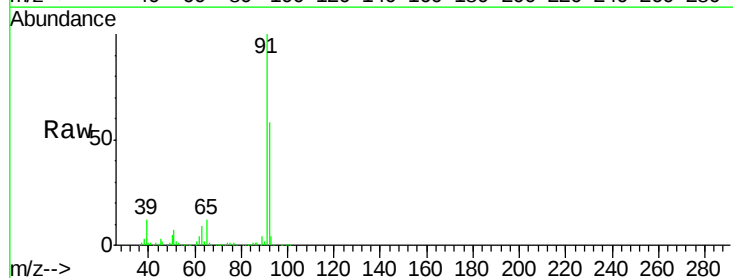
Acq: 02 Jun 2018 11:42

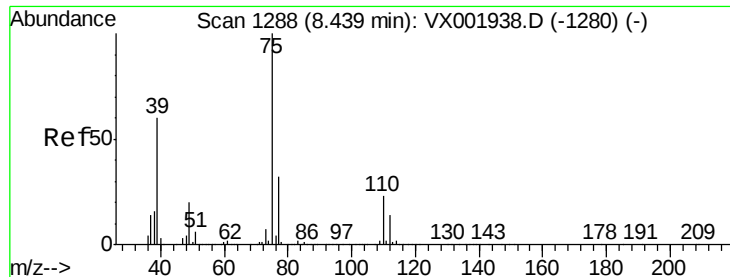
Tgt Ion: 92 Resp: 359875

Ion Ratio Lower Upper

92 100

91 175.3 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 46.874 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tot Ion: 75 Resp: 243210

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

Instrument :

MSVOA_X

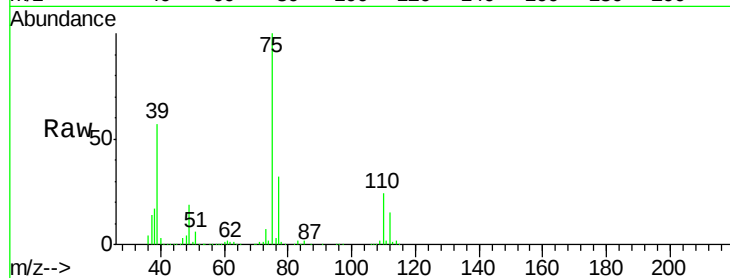
ClientSampleId :

VSTDCCC050

Manual Integrations
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6/4/2018 2:31:50 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

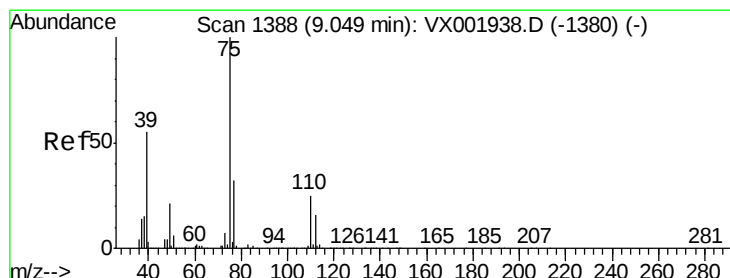
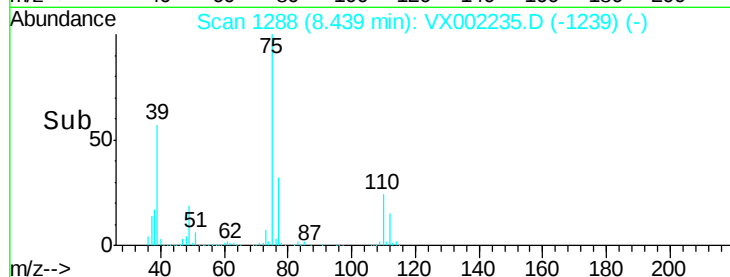
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 45.992 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

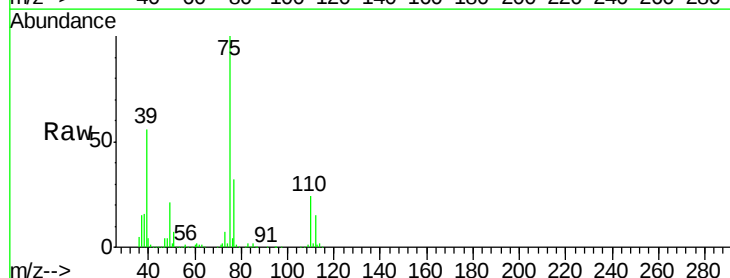
Tgt Ion: 75 Resp: 232529

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 56.1 44.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

200000

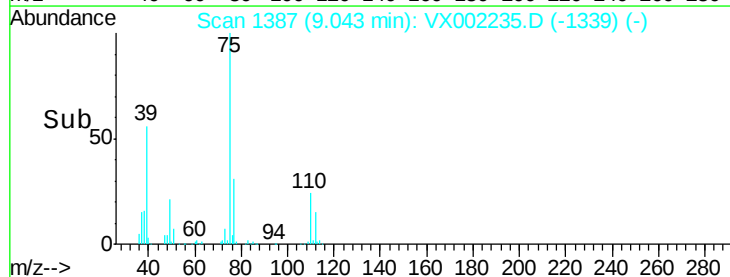
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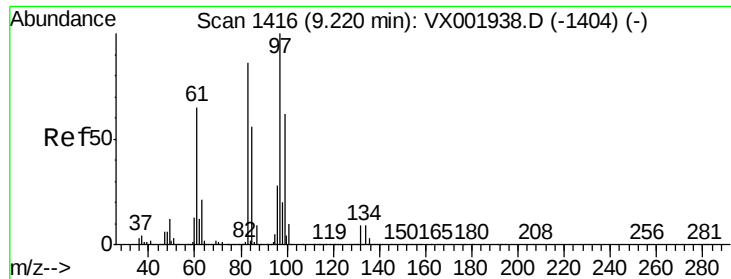
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50000

0

Time-->





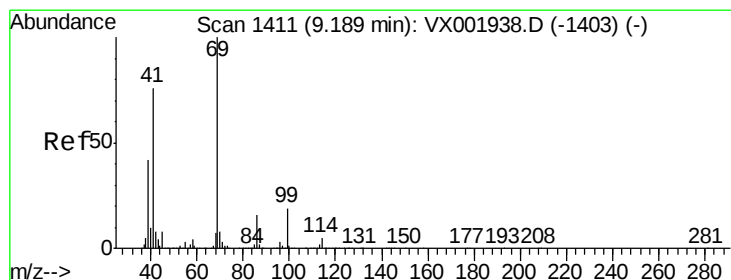
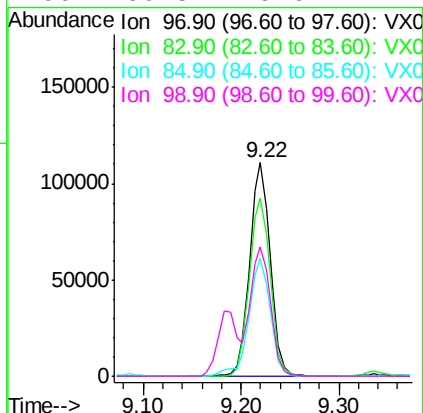
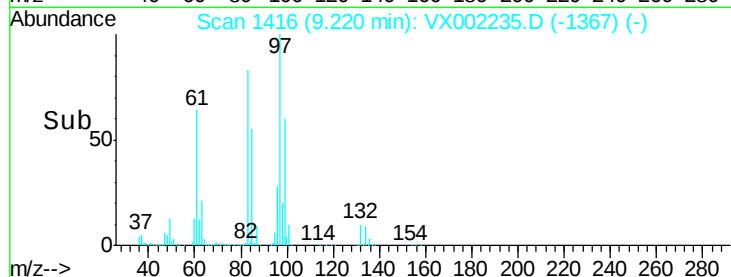
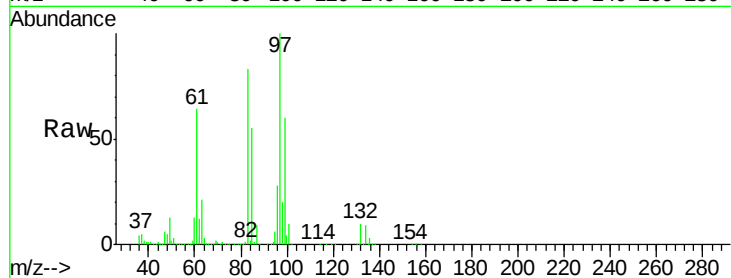
#55
 1,1,2-Trichloroethane
 Concen: 51.650 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	161355
Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.1	103.7
85	54.9	45.2	67.8
99	60.5	49.6	74.4

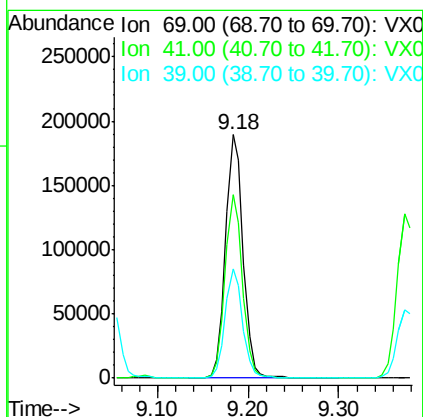
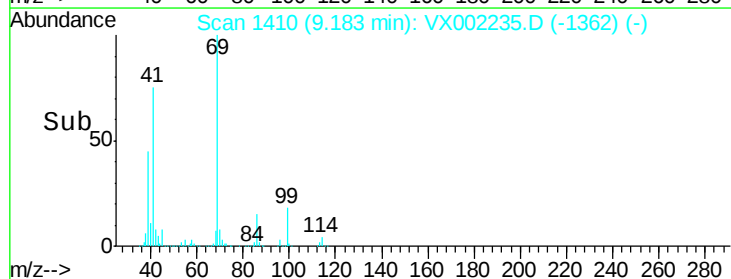
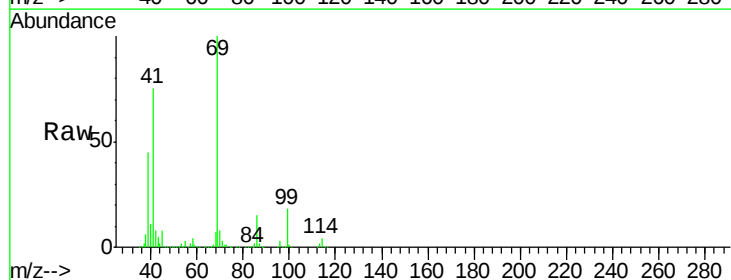
Manual Integrations
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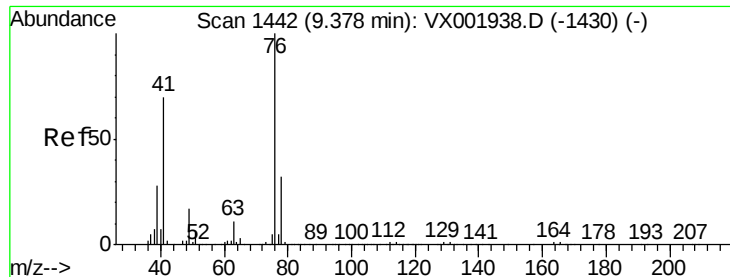
MMDadoda
 6/4/2018 2:31:50 PM



#56
 Ethyl methacrylate
 Concen: 47.469 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Tgt Ion:	69	Resp:	255069
Ion	Ratio	Lower	Upper
69	100		
41	74.8	61.0	91.6
39	44.3	34.4	51.6





#57

1,3-Dichloropropane

Concen: 51.751 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 266335

Ion Ratio Lower Upper

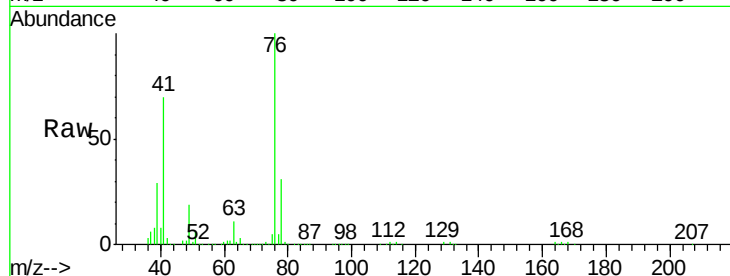
76 100

78 31.1 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

6/4/2018 2:31:50 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

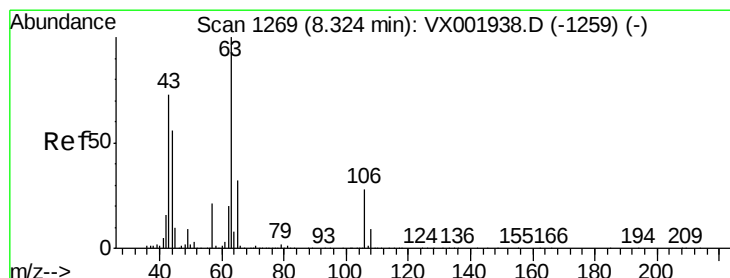
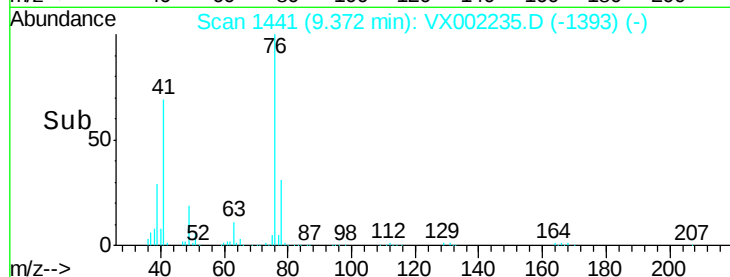
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 240.325 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002235.D

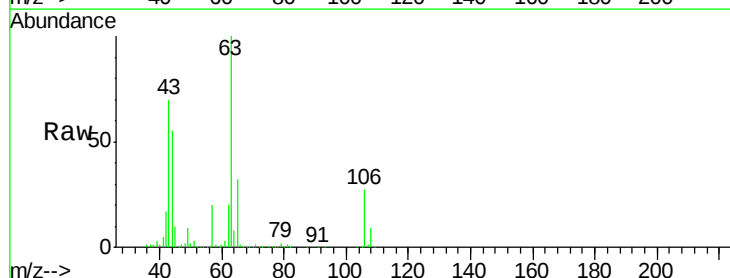
Acq: 02 Jun 2018 11:42

Tgt Ion: 63 Resp: 572369

Ion Ratio Lower Upper

63 100

106 27.5 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

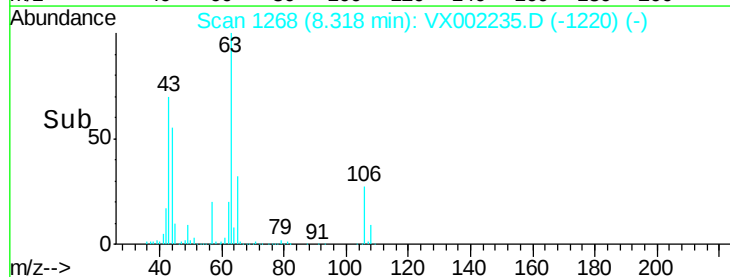
300000

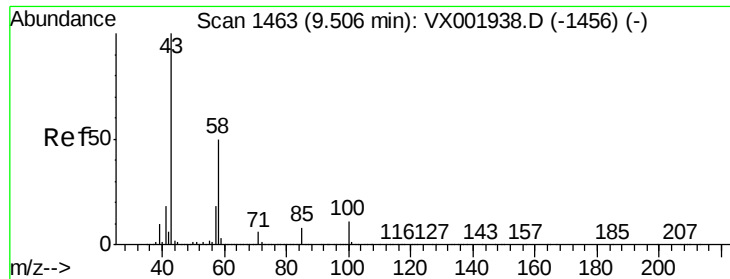
200000

100000

0

Time-->





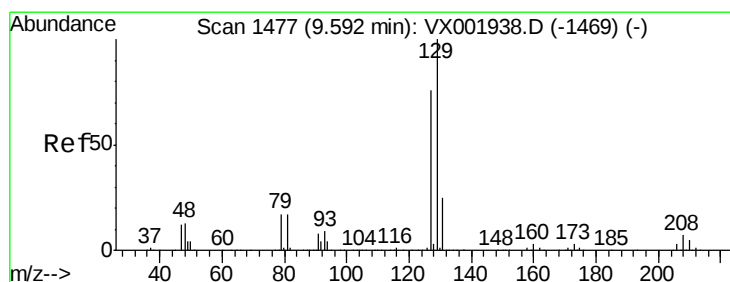
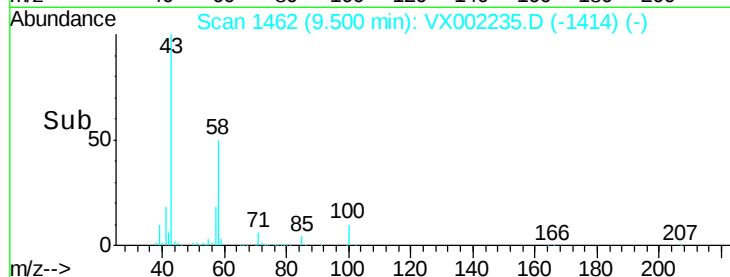
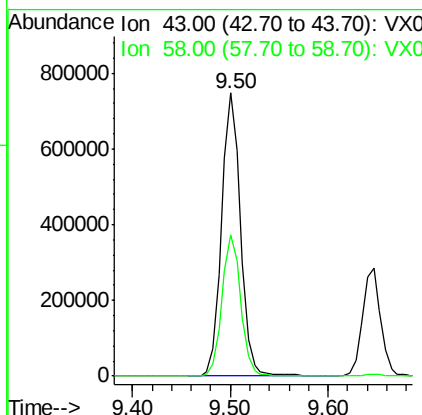
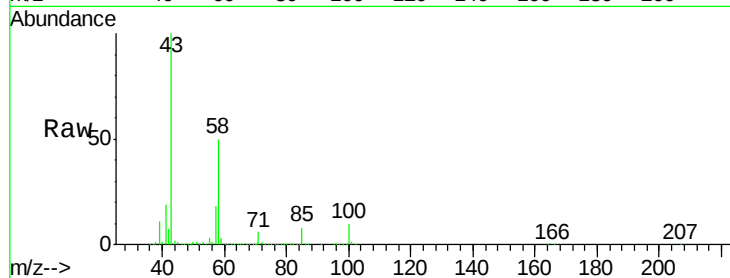
#59
2-Hexanone
Concen: 247.764 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1003389
Ion Ratio Lower Upper
43 100
58 49.6 24.9 74.6

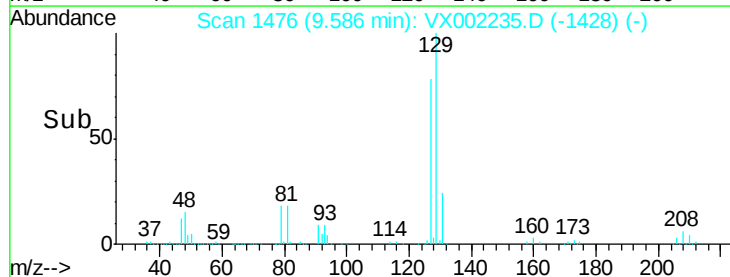
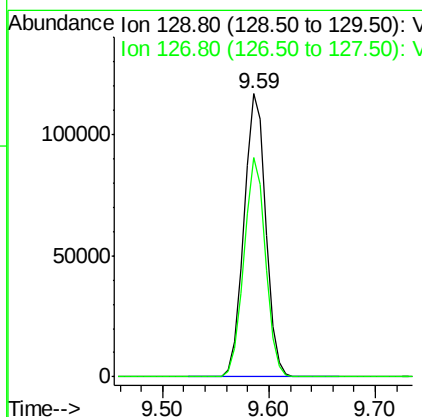
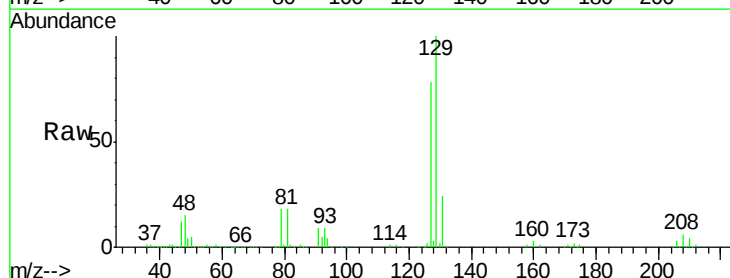
Manual Integrations
APPROVED

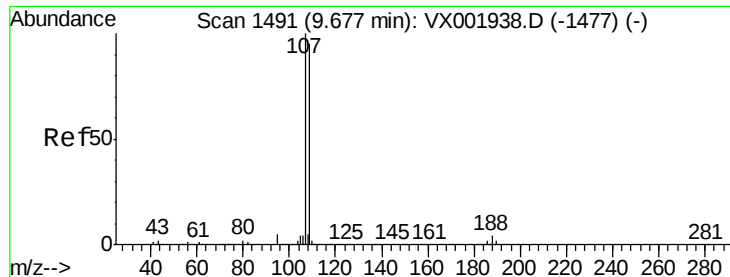
MMDadoda
6/4/2018 2:31:50 PM



#60
Dibromochloromethane
Concen: 45.417 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion: 129 Resp: 168054
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





#61

1,2-Dibromoethane

Concen: 51.100 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 167507

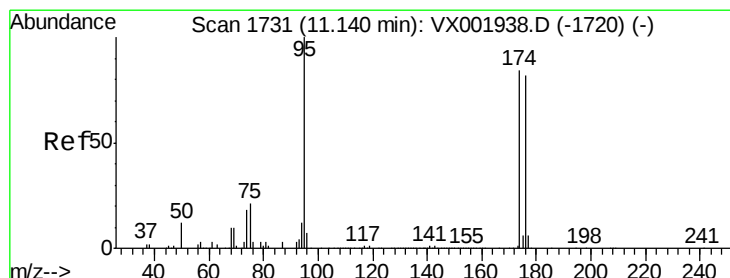
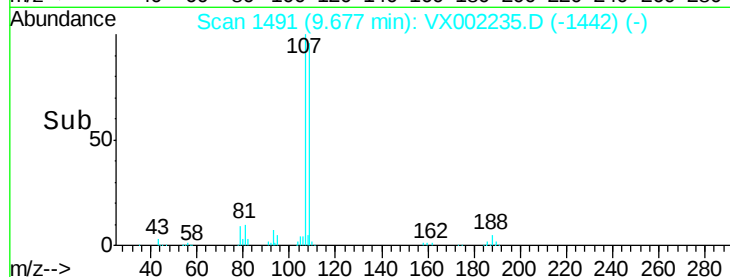
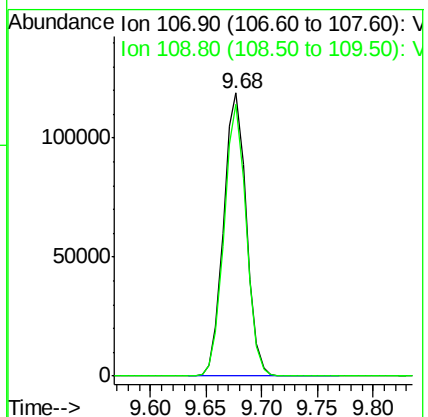
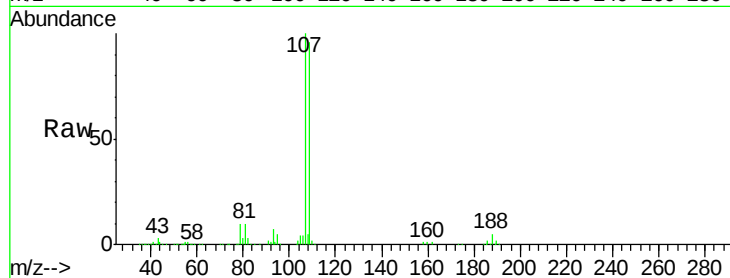
Ion Ratio Lower Upper

107 100

109 93.8 75.3 112.9

Manual Integrations
APPROVED

MMDadoda
6/4/2018 2:31:50 PM



#62

4-Bromofluorobenzene

Concen: 53.580 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

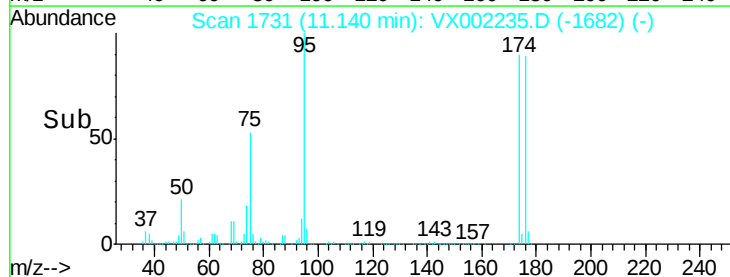
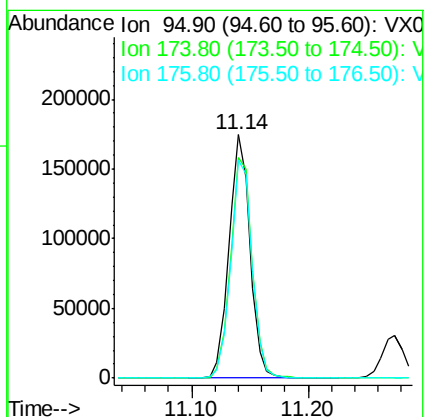
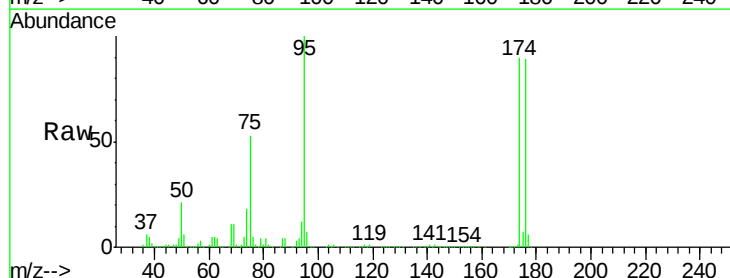
Tgt Ion: 95 Resp: 218849

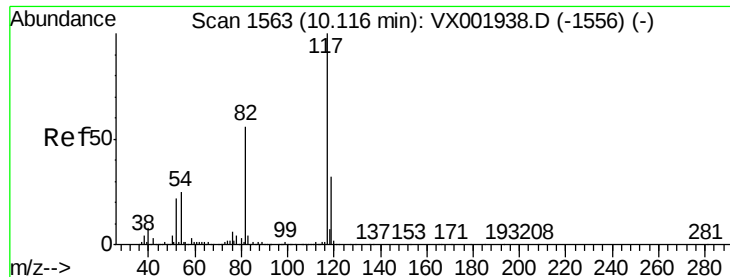
Ion Ratio Lower Upper

95 100

174 93.8 0.0 178.8

176 91.2 0.0 175.6





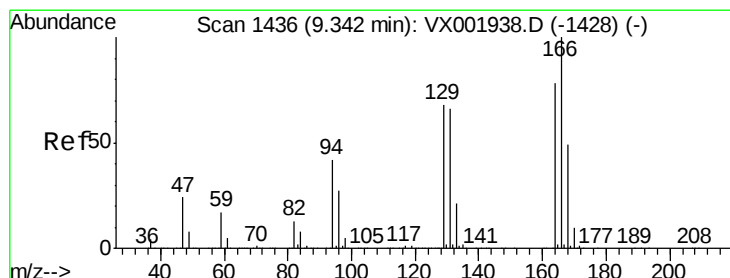
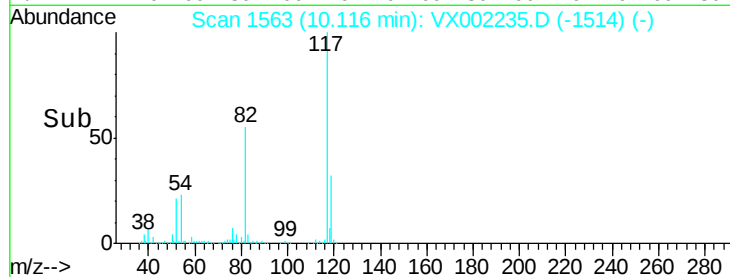
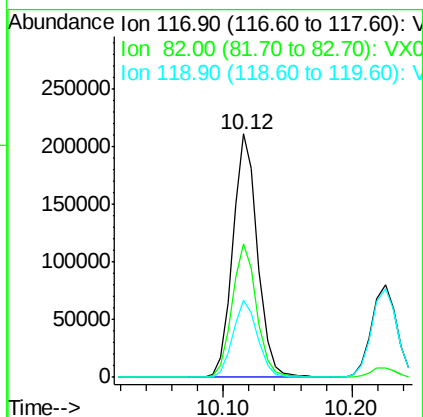
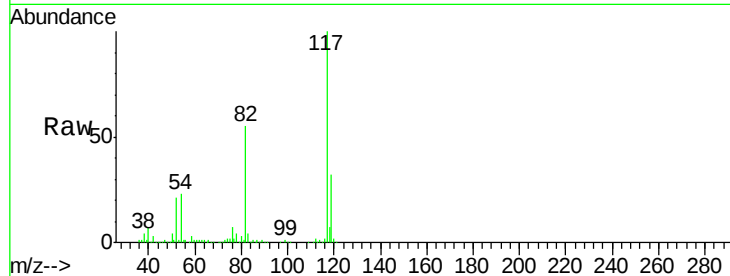
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.8	67.2
119	31.9	25.5	38.3

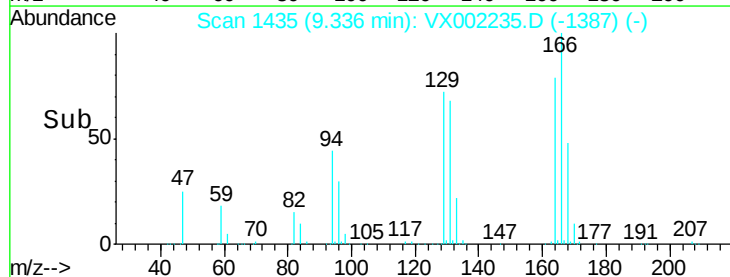
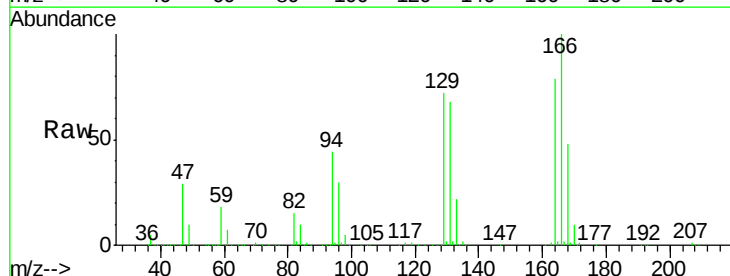
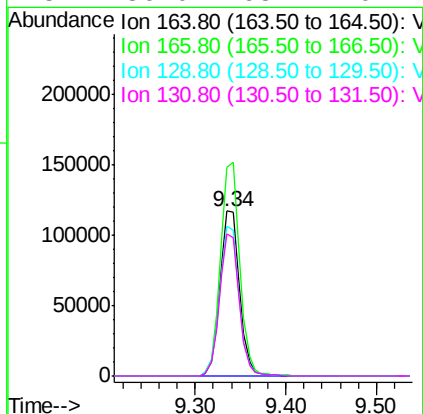
Manual Integrations
APPROVED

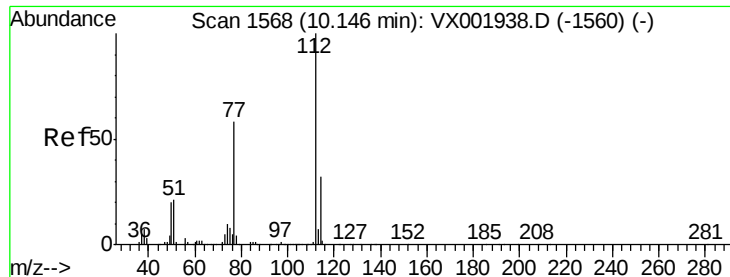
MMDadoda
6/4/2018 2:31:50 PM



#64
Tetrachloroethene
Concen: 43.703 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.7	154.1
129	91.3	70.3	105.5
131	86.0	68.2	102.4





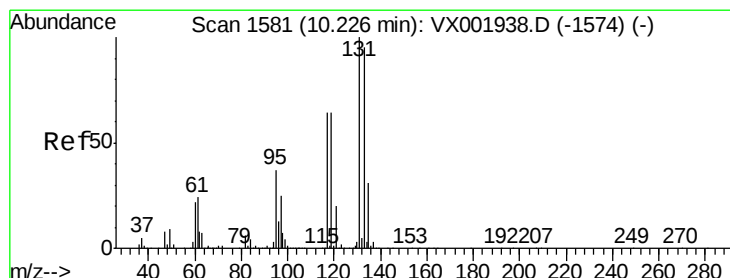
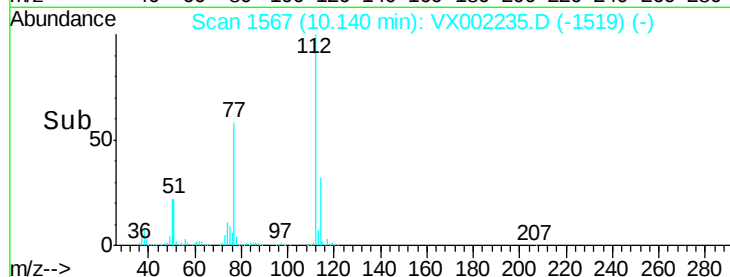
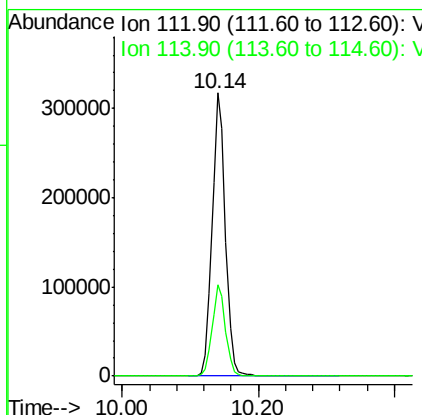
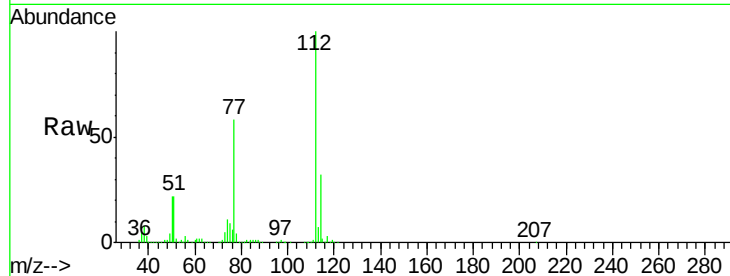
#65
Chlorobenzene
Concen: 48.073 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9

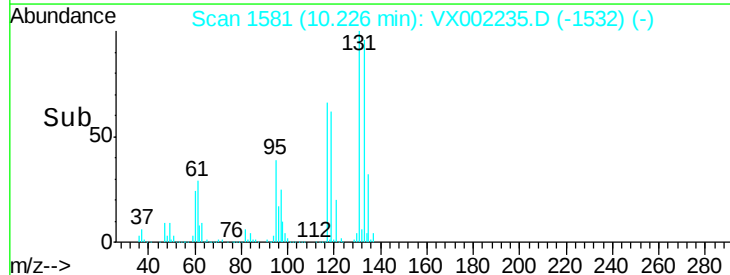
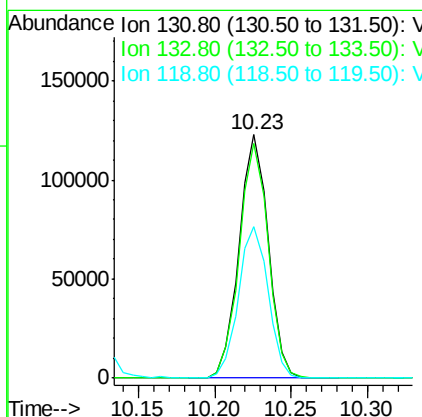
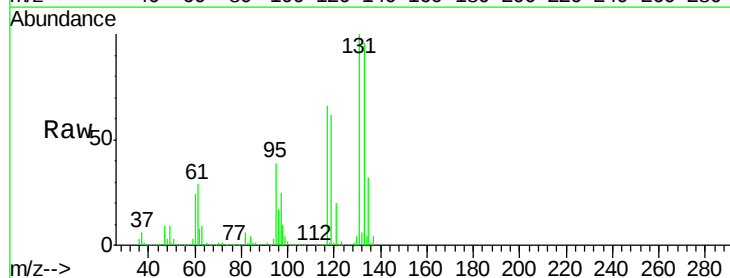
Manual Integrations
APPROVED

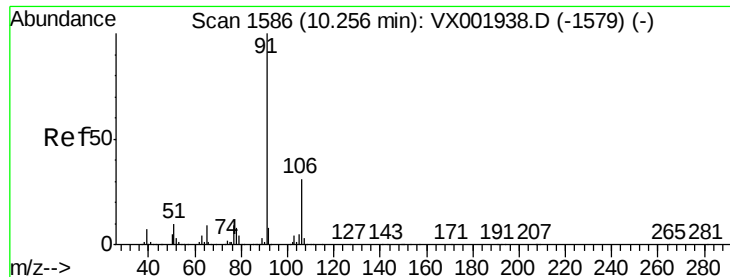
MMDadoda
6/4/2018 2:31:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.015 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.0	144.0
119	63.6	31.9	95.5





#67

Ethyl Benzene

Concen: 46.134 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 713967

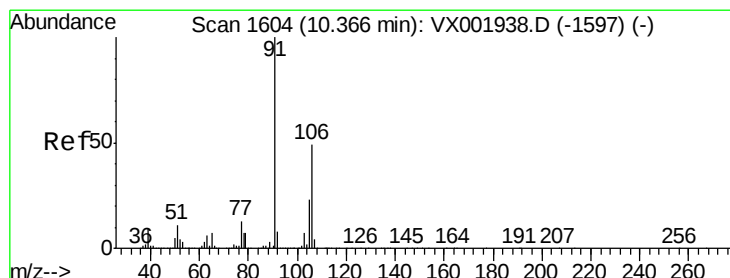
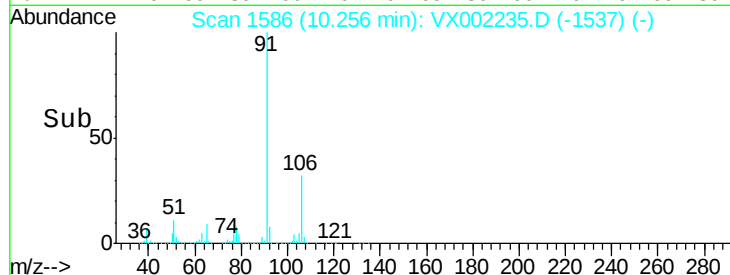
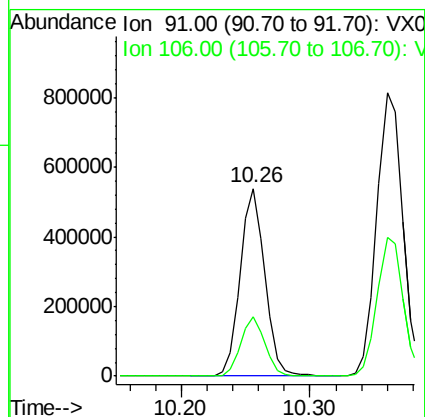
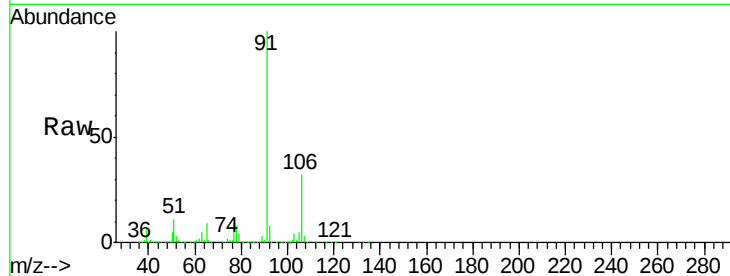
Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.6

Manual Integrations
APPROVED

MMDadoda
6/4/2018 2:31:50 PM



#68

m/p-Xylenes

Concen: 94.465 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002235.D

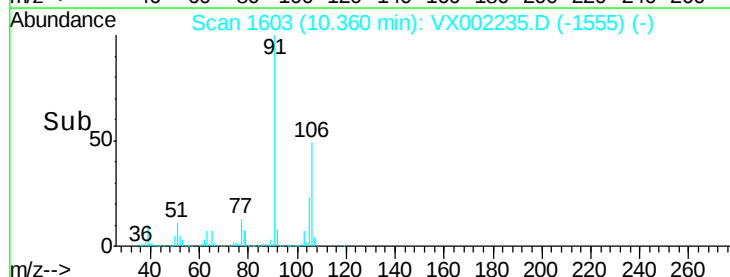
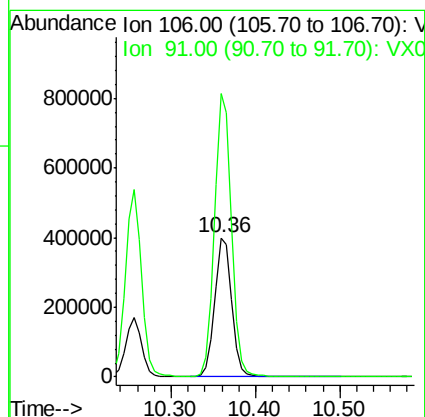
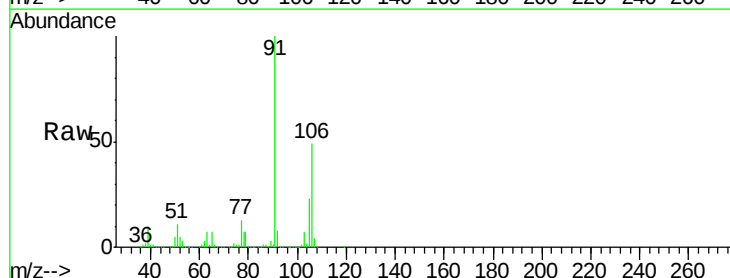
Acq: 02 Jun 2018 11:42

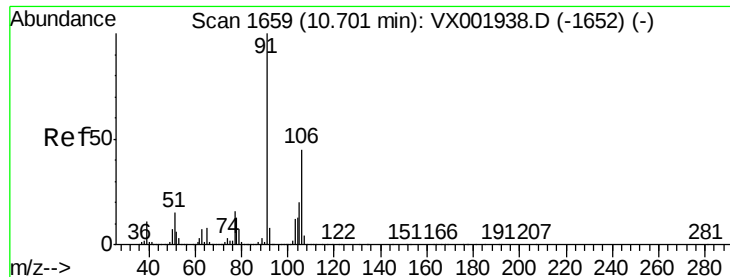
Tgt Ion: 106 Resp: 558846

Ion Ratio Lower Upper

106 100

91 203.6 165.0 247.6





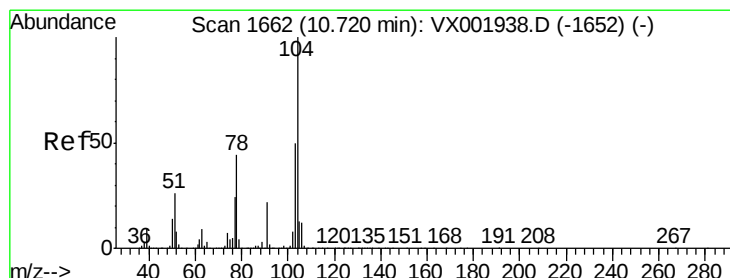
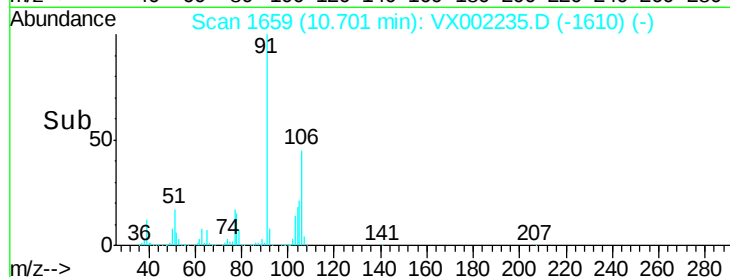
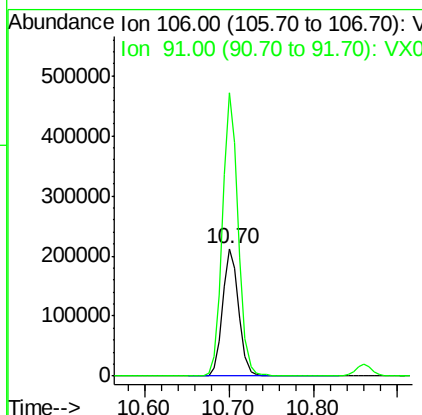
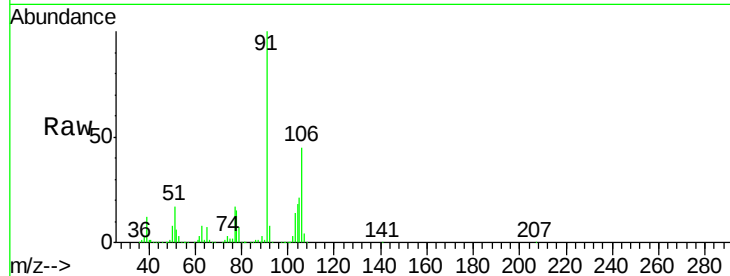
#69
o-Xylene
Concen: 47.285 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	216.9	108.7	325.9	

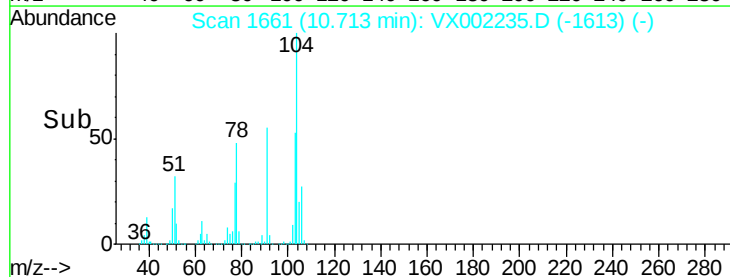
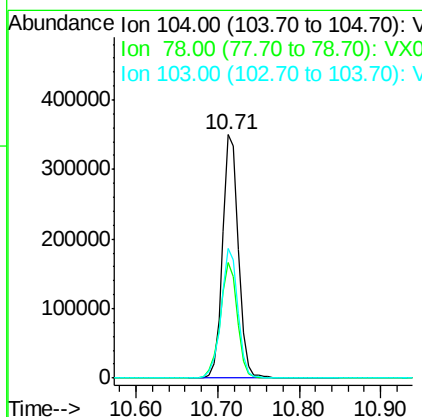
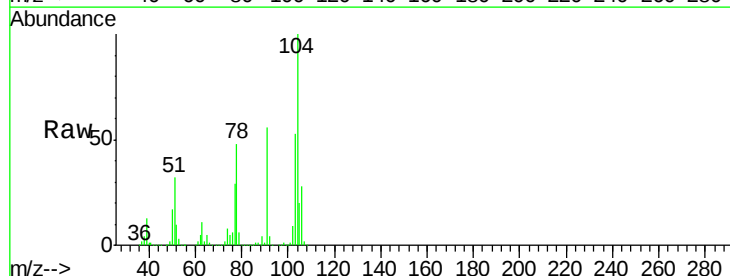
Manual Integrations
APPROVED

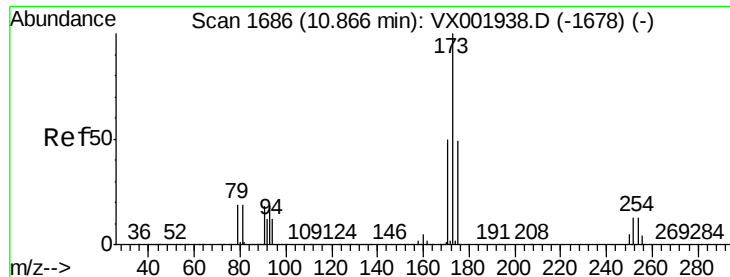
MMDadoda
6/4/2018 2:31:50 PM



#70
Styrene
Concen: 48.136 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	51.8	41.8	62.6	
103	56.5	44.6	67.0	





#71

Bromoform

Concen: 39.314 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 134082

Ion Ratio Lower Upper

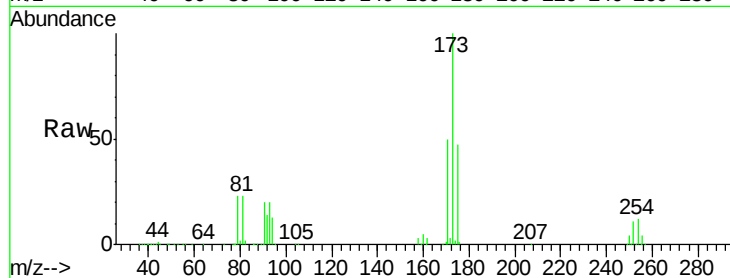
173 100

175 47.8 24.3 72.9

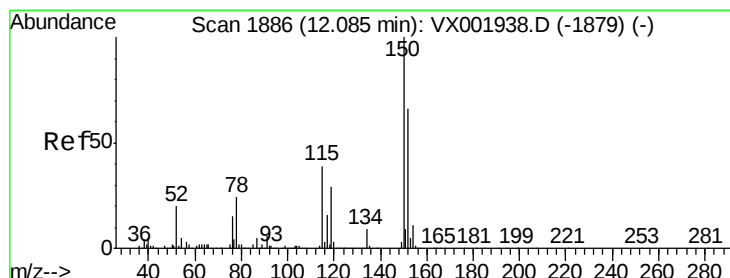
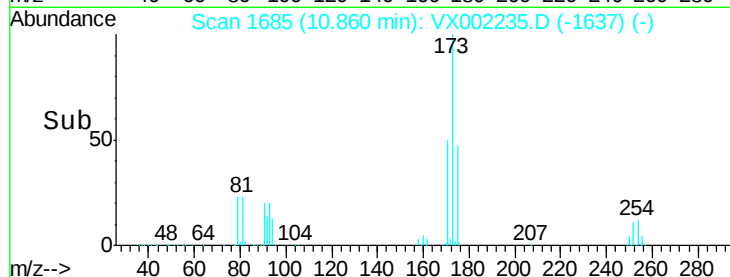
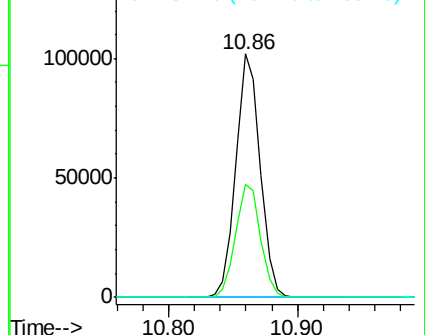
254 0.2 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
6/4/2018 2:31:50 PM



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: VX002235.D

Acq: 02 Jun 2018 11:42

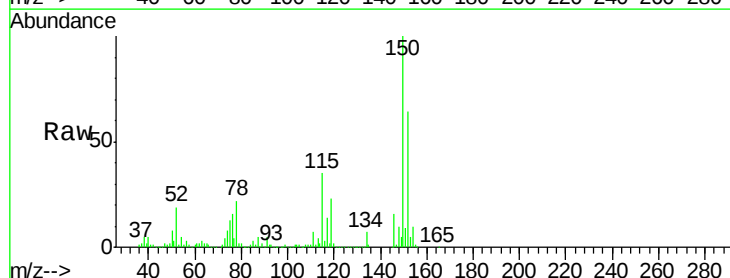
Tgt Ion:152 Resp: 197370

Ion Ratio Lower Upper

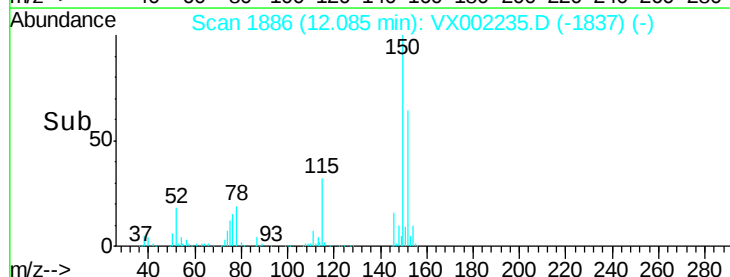
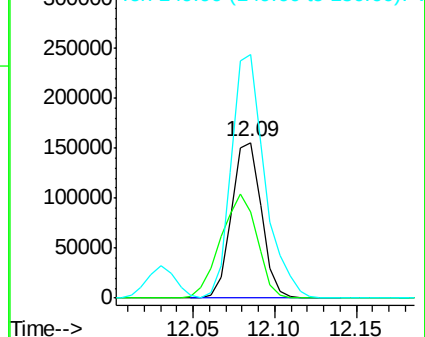
152 100

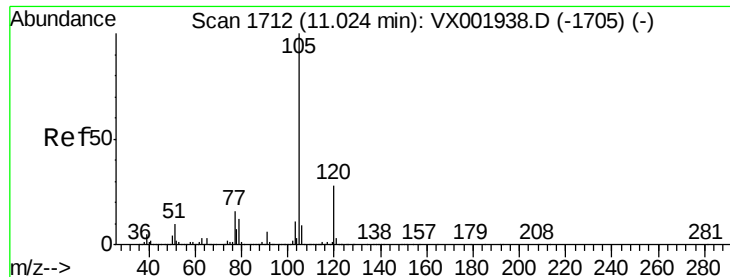
115 82.4 42.3 126.8

150 176.3 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: 44.016 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 735665

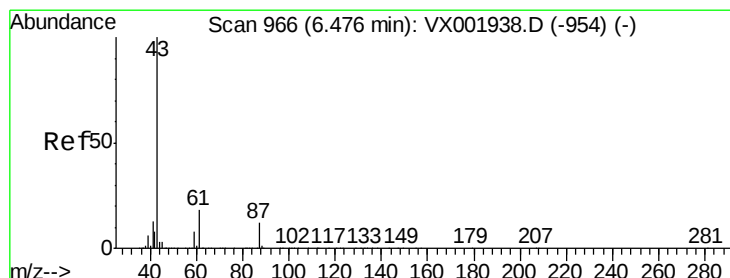
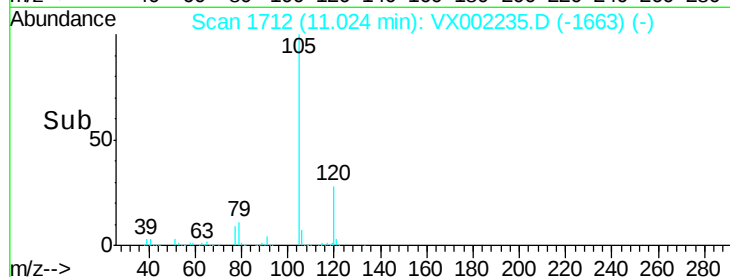
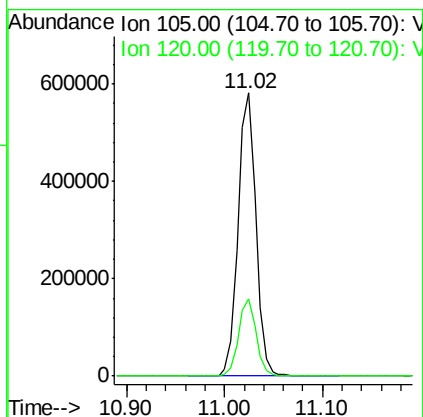
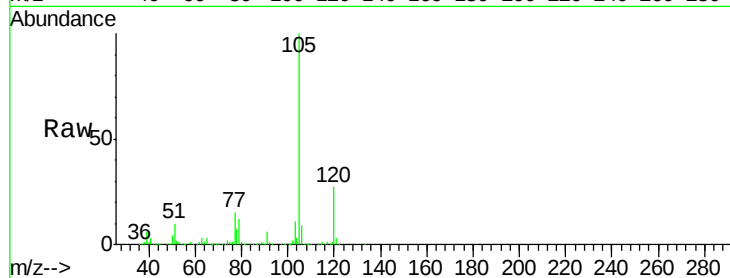
Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7

Manual Integrations
APPROVED

MMDadoda
6/4/2018 2:31:50 PM



#74

N-ethyl acetate

Concen: 46.011 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tgt Ion: 43 Resp: 401112

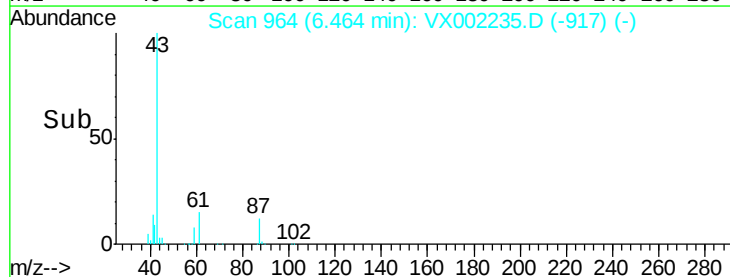
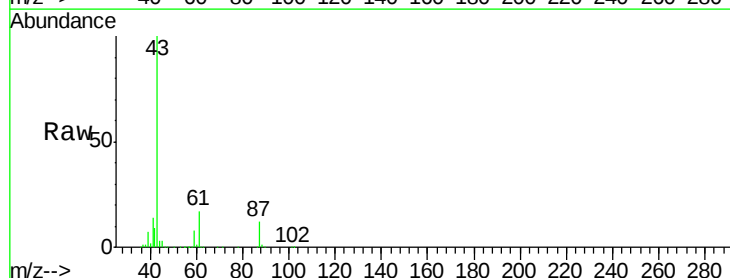
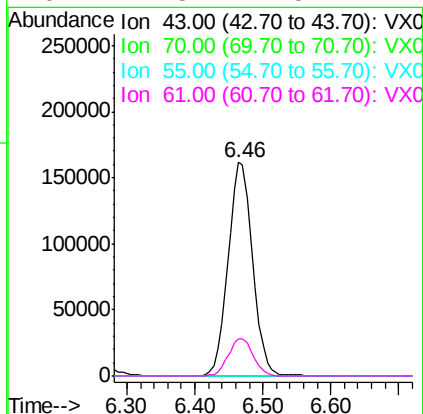
Ion Ratio Lower Upper

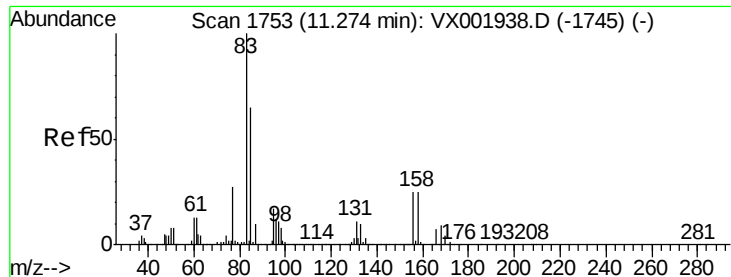
43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1

61 17.8 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.816 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

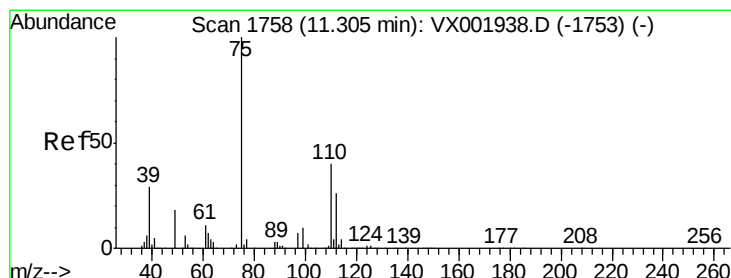
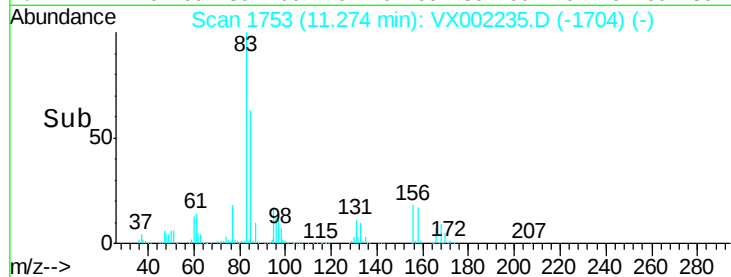
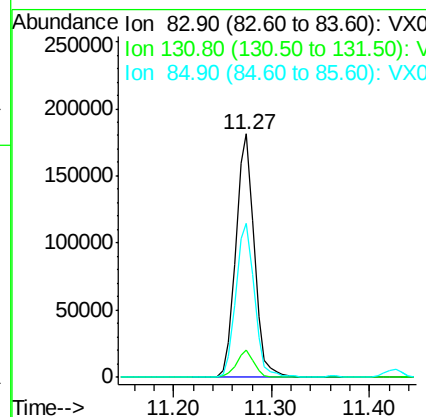
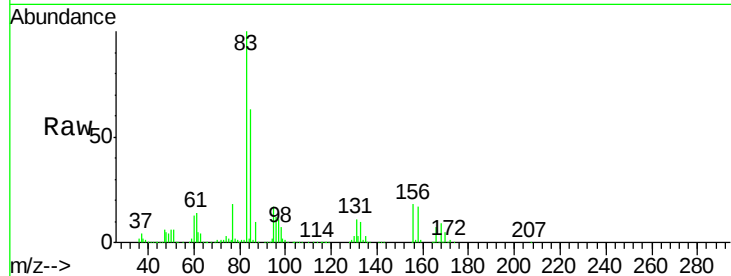
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	236646
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.7	17.0
85	64.1	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 52.702 ug/l m

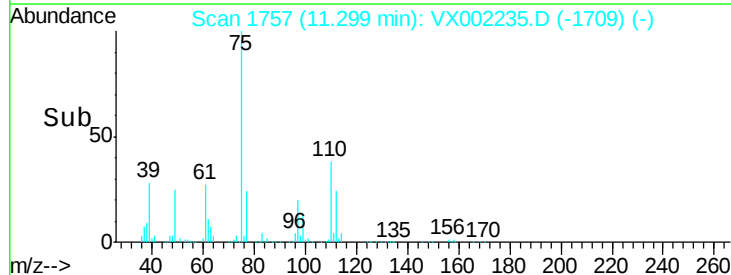
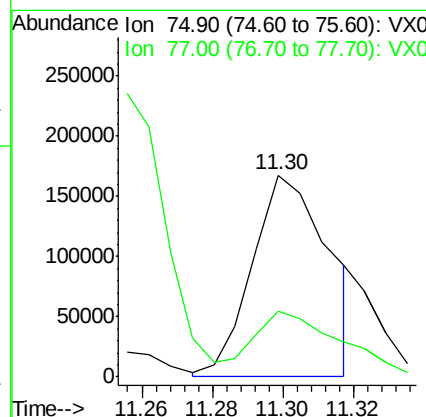
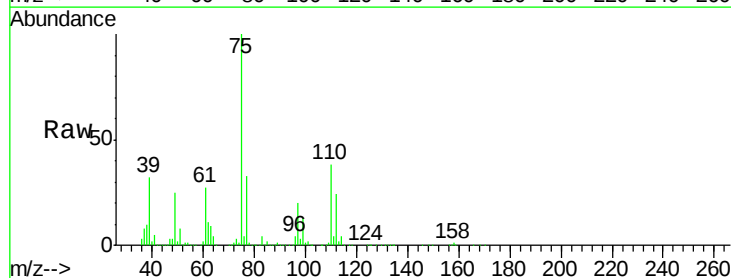
RT: 11.30 min Scan# 1757

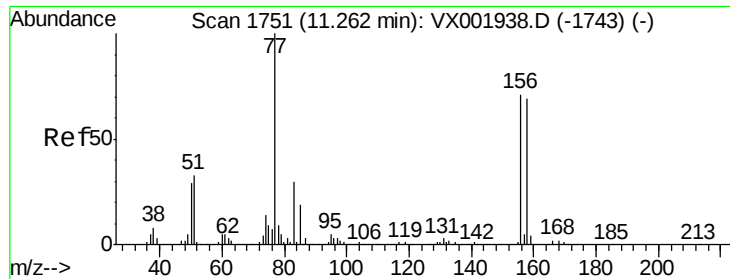
Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tgt Ion:	75	Resp:	249844
Ion Ratio	Lower	Upper	
75	100		
77	38.0	22.8	68.3





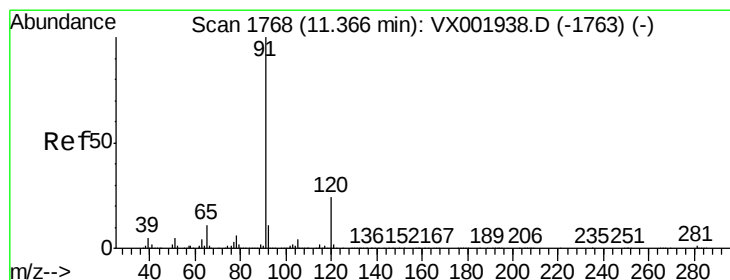
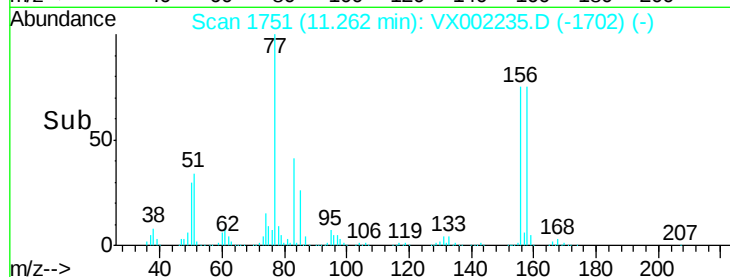
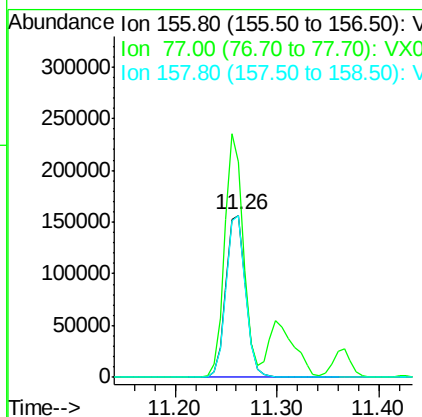
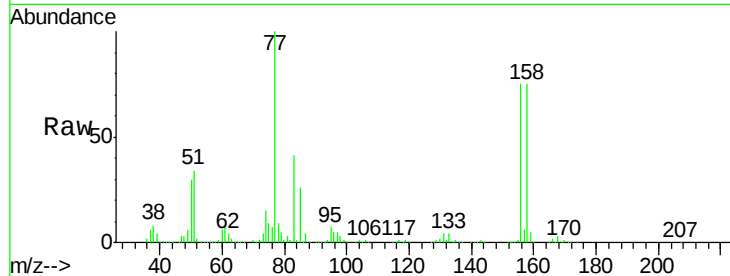
#77
Bromobenzene
Concen: 47.191 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	142.7	75.2	225.6
158	98.1	48.6	145.8

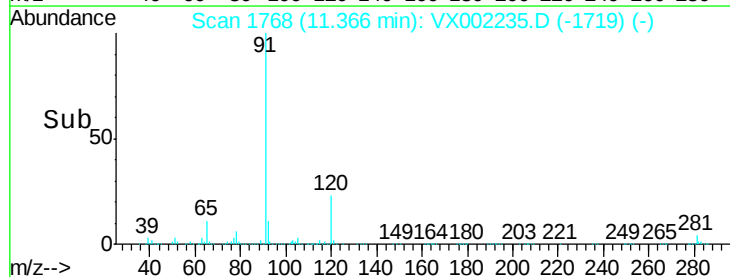
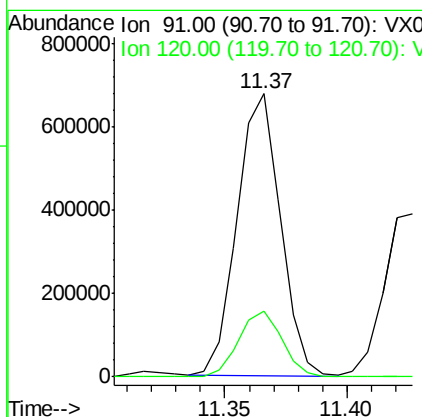
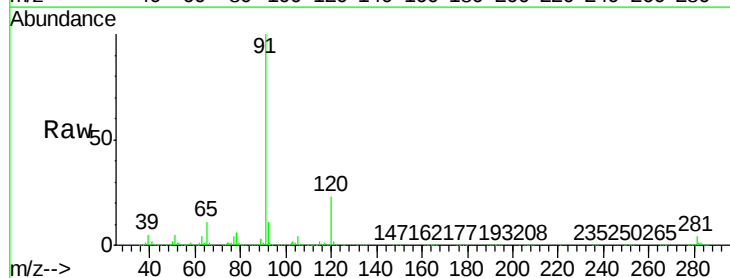
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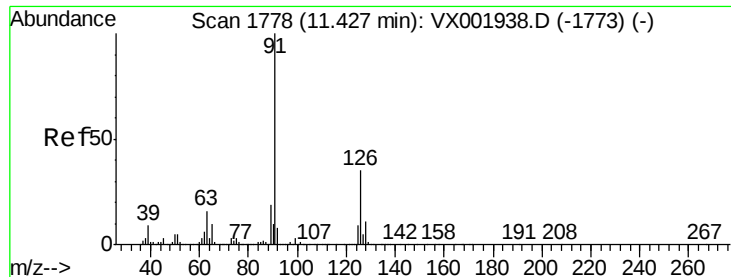
MMDadoda
6/4/2018 2:31:50 PM



#78
n-propylbenzene
Concen: 44.630 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.7





#79

2-Chlorotoluene

Concen: 50.127 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 514676

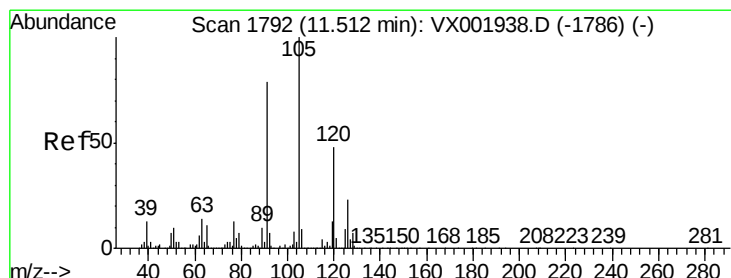
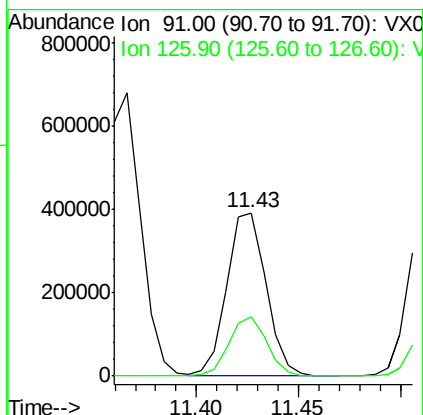
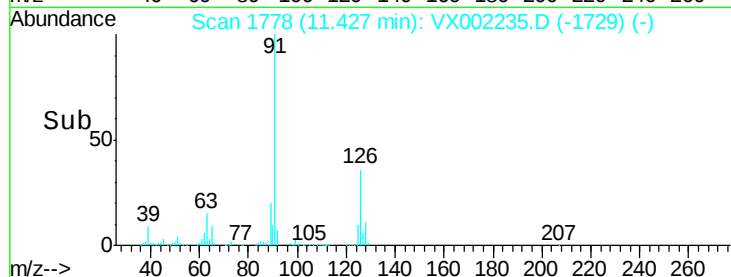
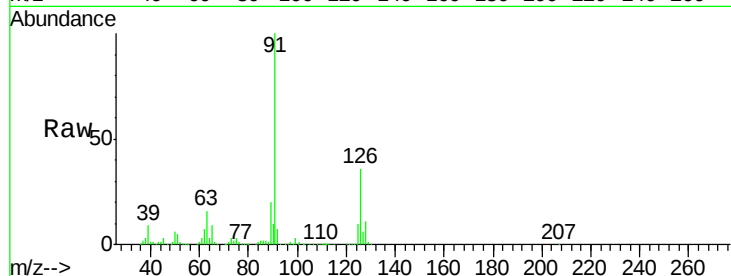
Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 44.643 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002235.D

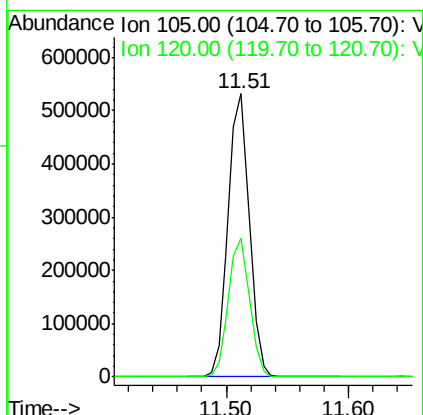
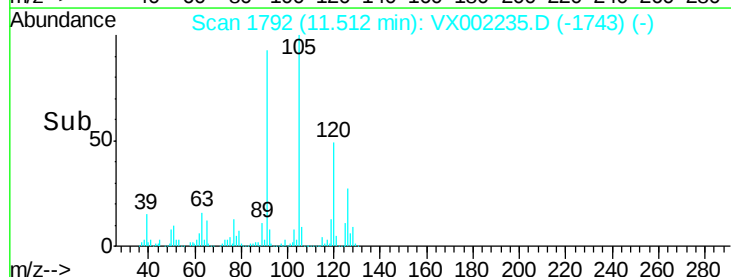
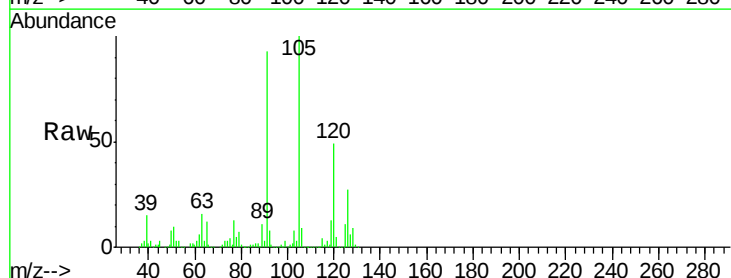
Acq: 02 Jun 2018 11:42

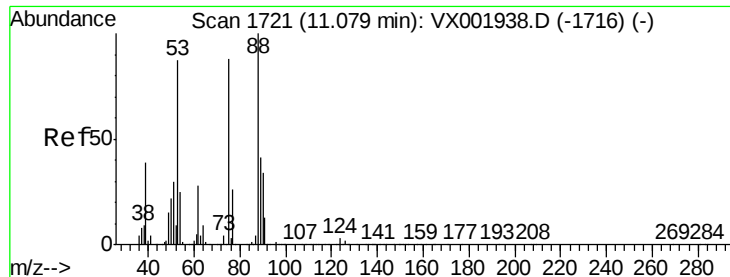
Tgt Ion: 105 Resp: 637648

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 36.824 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

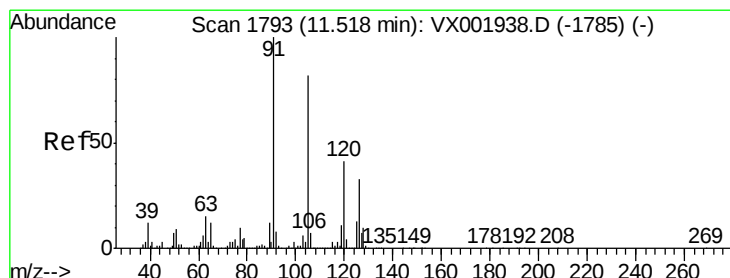
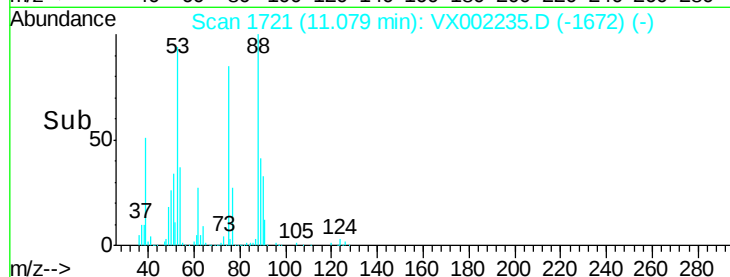
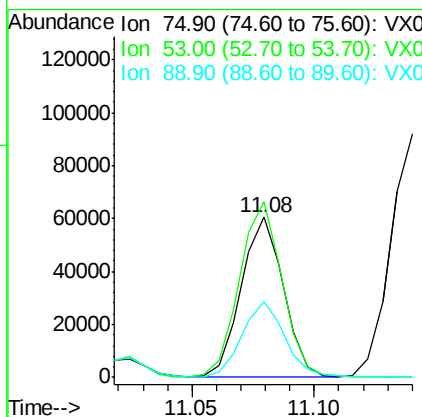
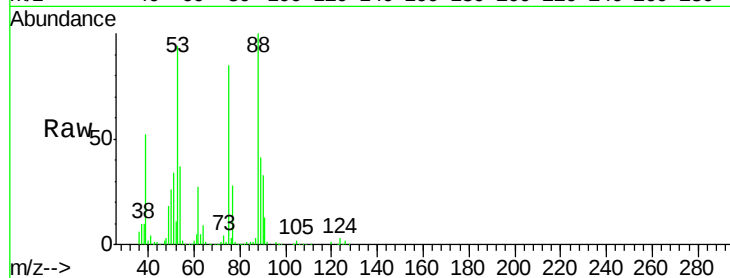
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	72634
Ion	Ratio	Lower	Upper
75	100		
53	110.7	78.0	117.0
89	48.3	39.4	59.2

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#82

4-Chlorotoluene

Concen: 46.540 ug/l

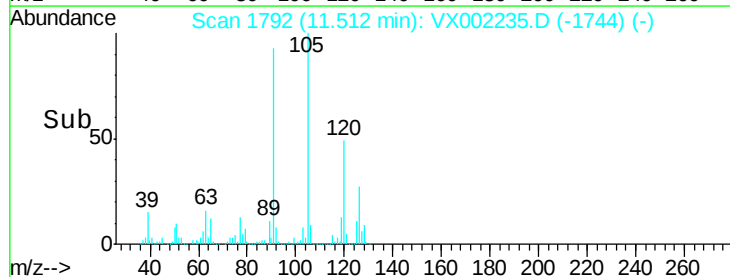
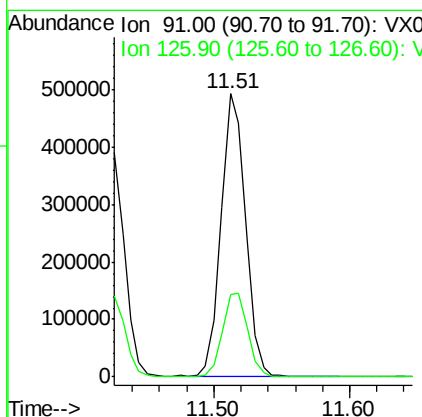
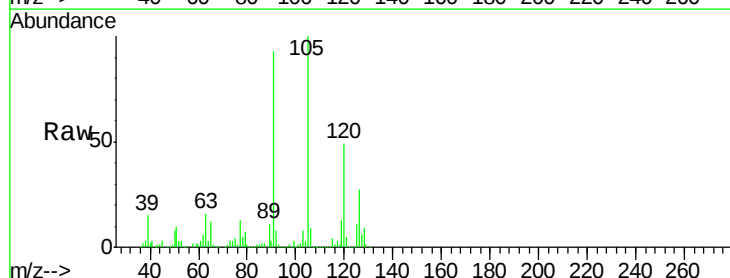
RT: 11.51 min Scan# 1792

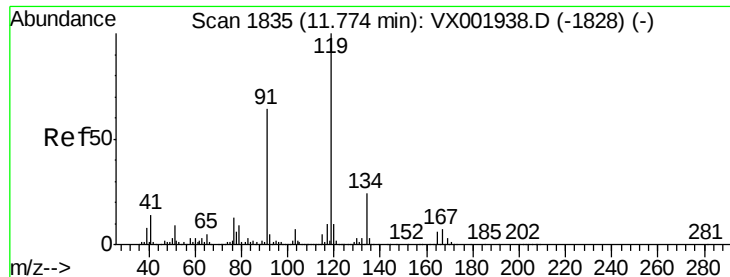
Delta R.T. -0.01 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tgt Ion:	91	Resp:	614444
Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.3	45.8





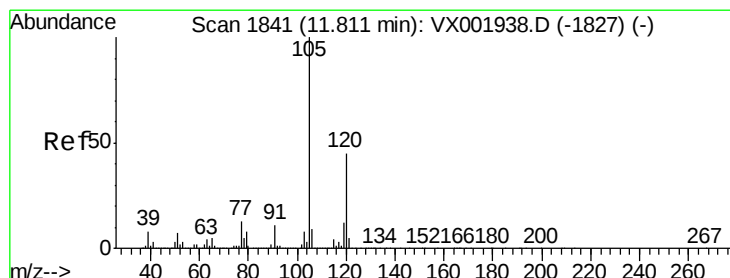
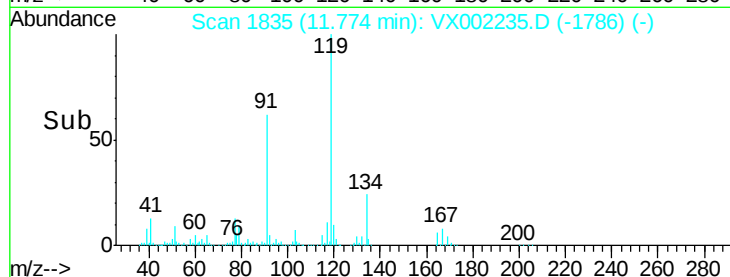
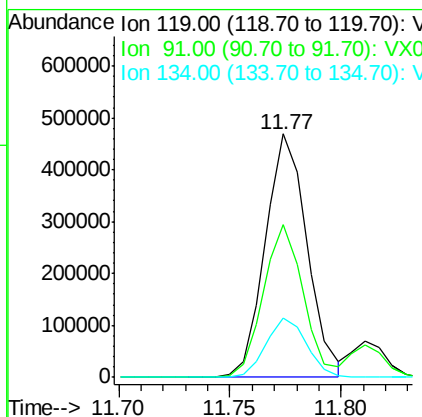
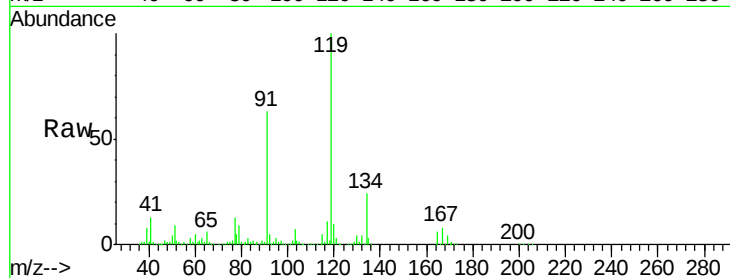
#83
tert-Butylbenzene
Concen: 43.665 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.6	91.8
134	23.7	11.7	35.0

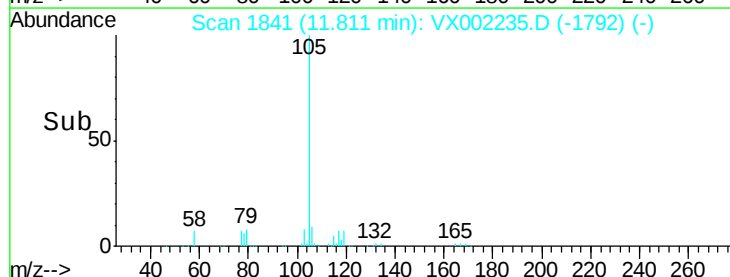
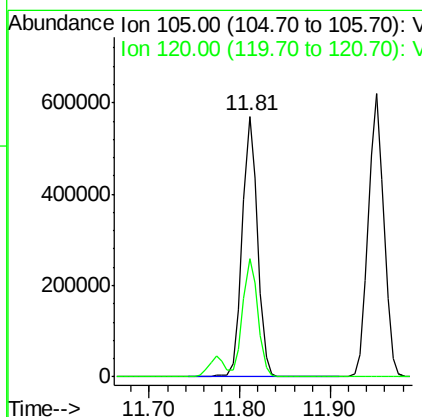
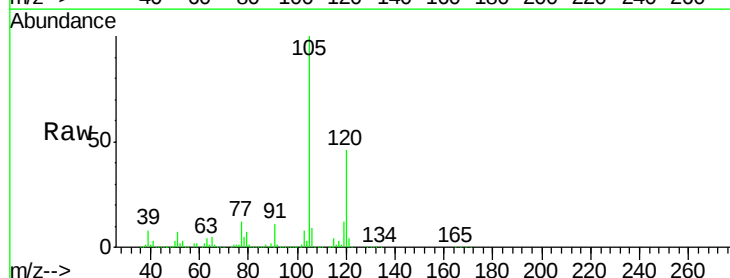
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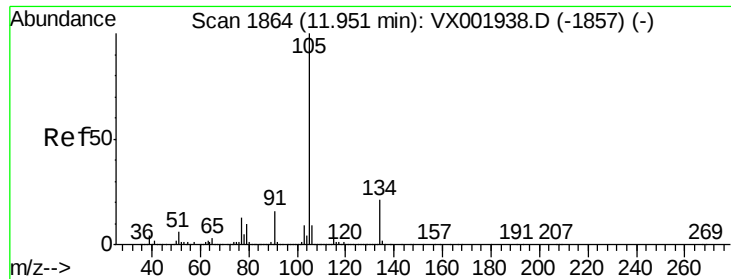
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 45.305 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.5





#85

sec-Butylbenzene

Concen: 44.130 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 743532

Ion Ratio Lower Upper

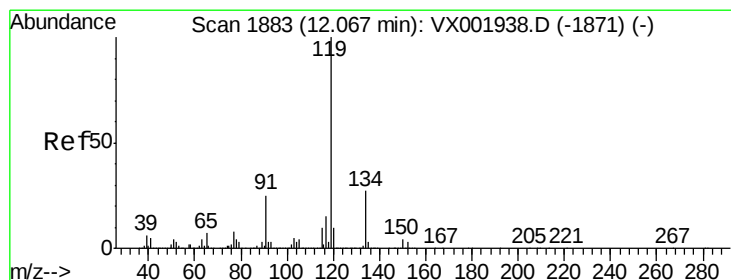
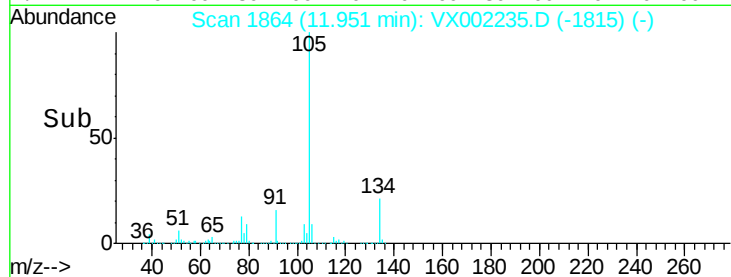
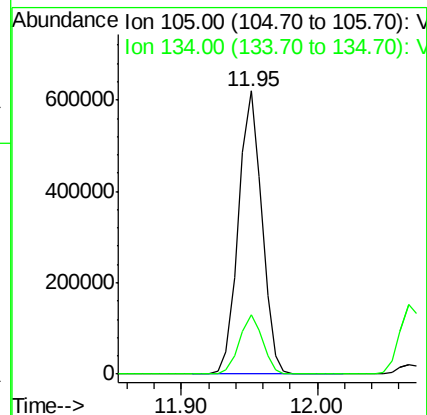
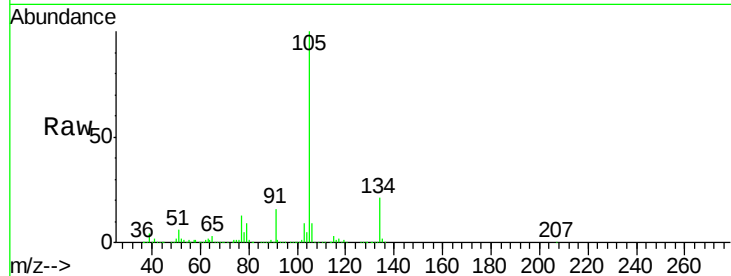
105 100

134 21.0 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 45.487 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

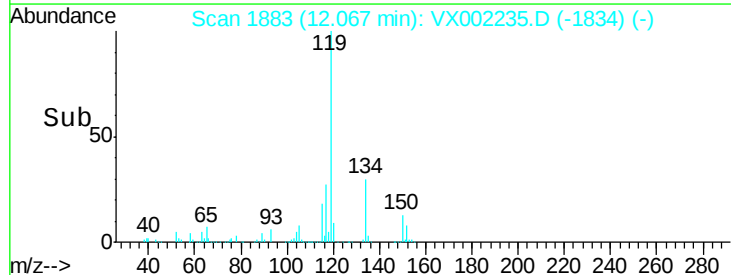
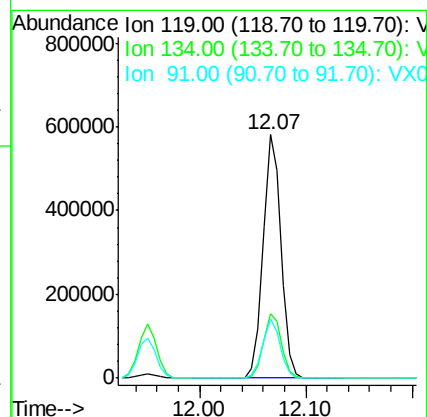
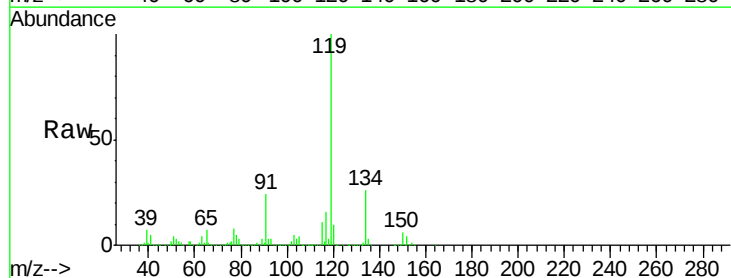
Tgt Ion:119 Resp: 685800

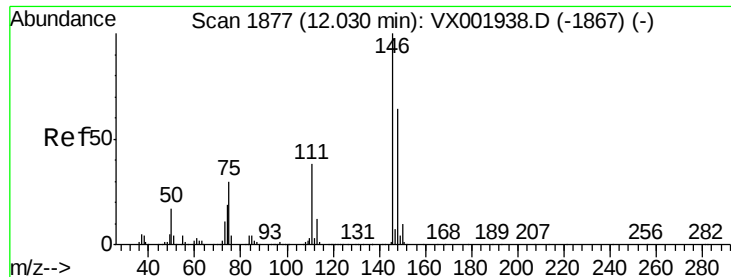
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 24.1 12.2 36.4





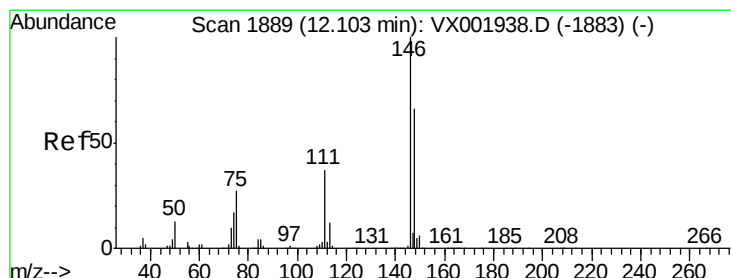
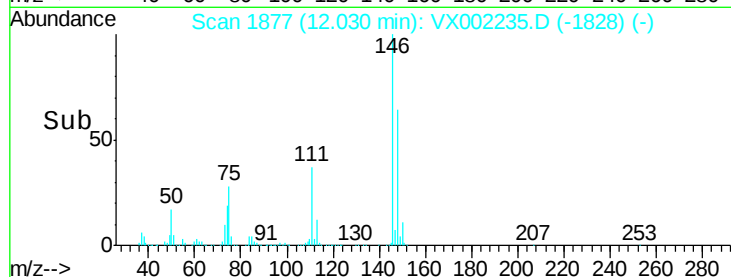
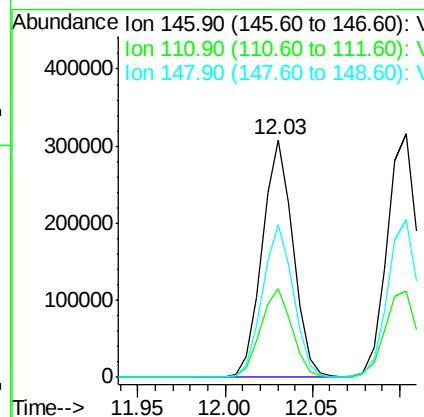
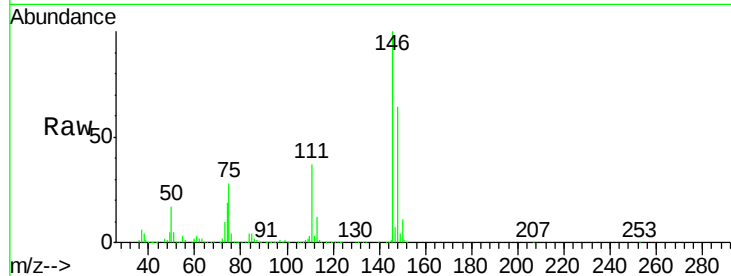
#87
 1,3-Dichlorobenzene
 Concen: 47.535 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.8
148	64.3	32.1	96.3

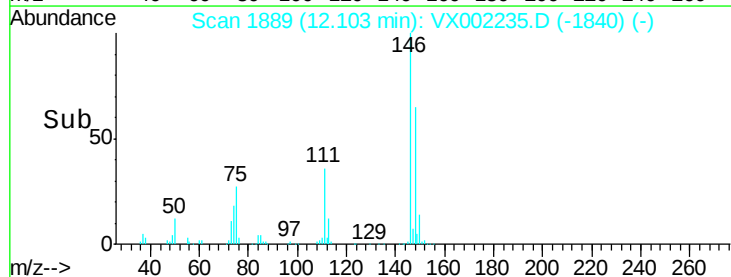
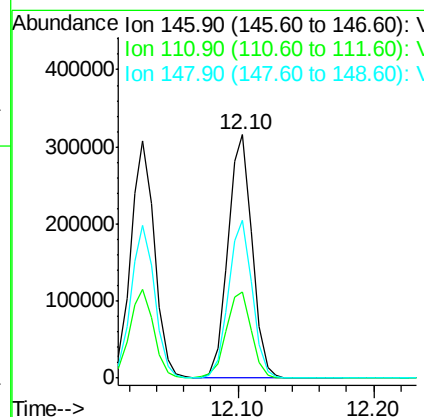
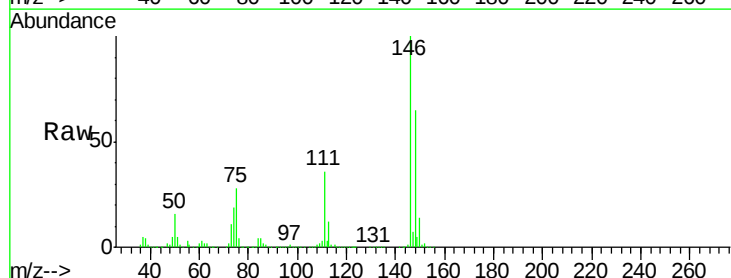
Manual Integrations
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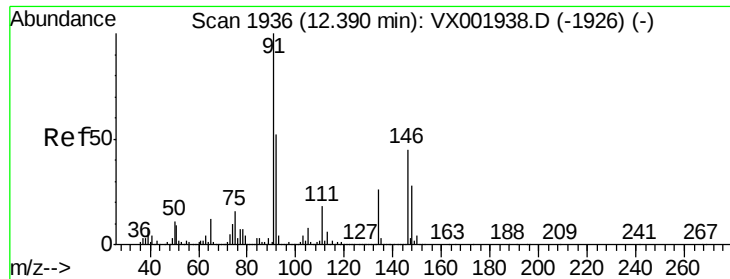
MMDadoda
 6/4/2018 2:31:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.770 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	64.1	32.3	96.8





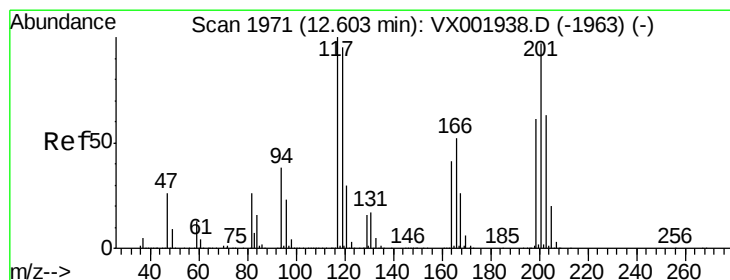
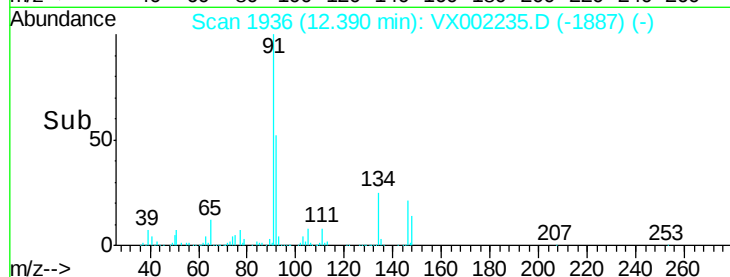
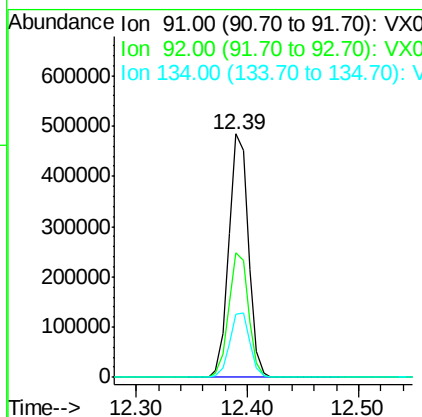
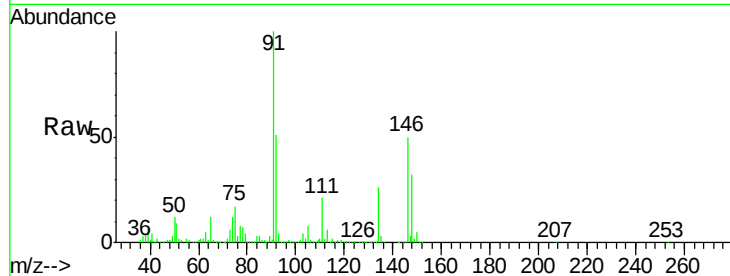
#89
n-Butylbenzene
Concen: 45.987 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.3	78.9
134	27.1	13.6	40.7

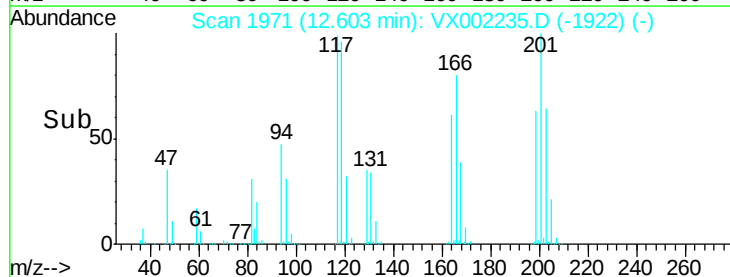
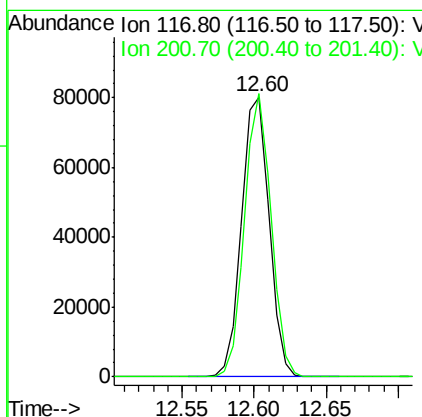
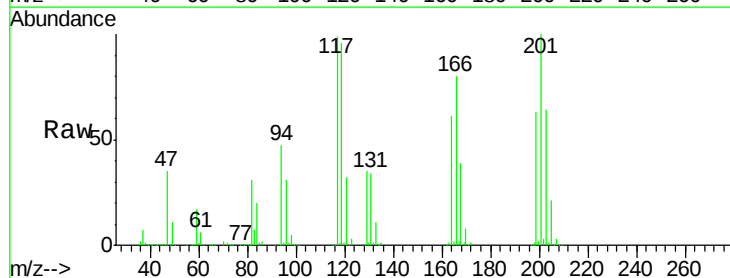
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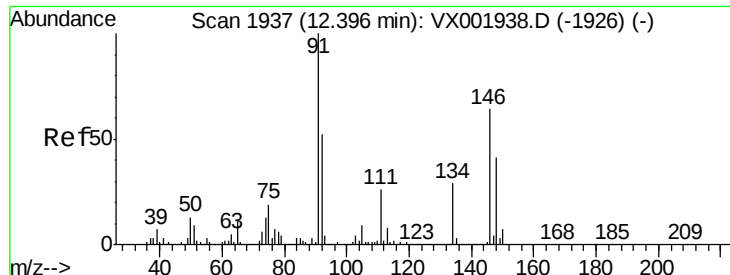
MMDadoda
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#90
Hexachloroethane
Concen: 35.749 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002235.D
Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.7	48.0	144.0





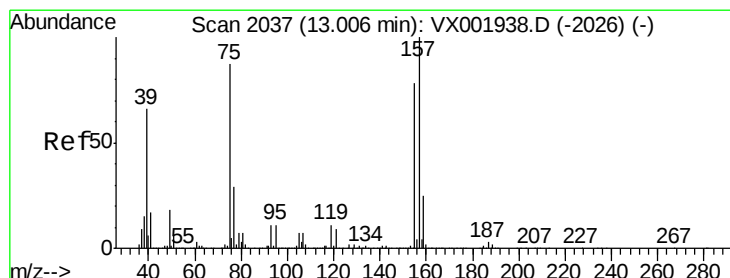
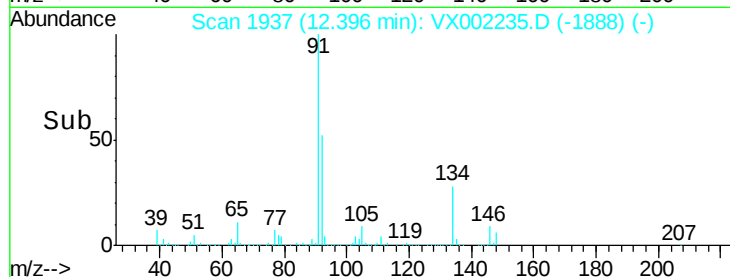
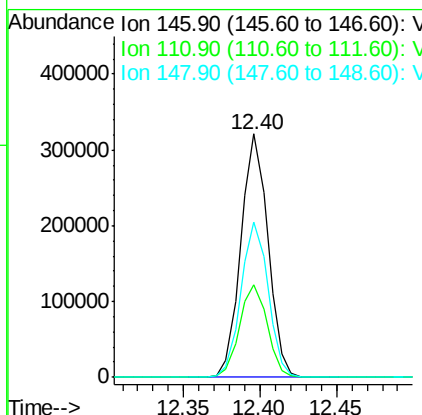
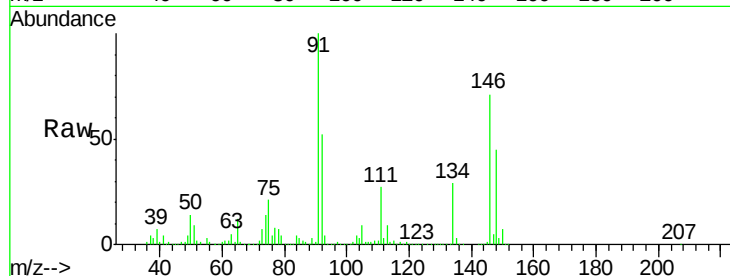
#91
 1,2-Dichlorobenzene
 Concen: 48.819 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	63.9	32.1	96.5

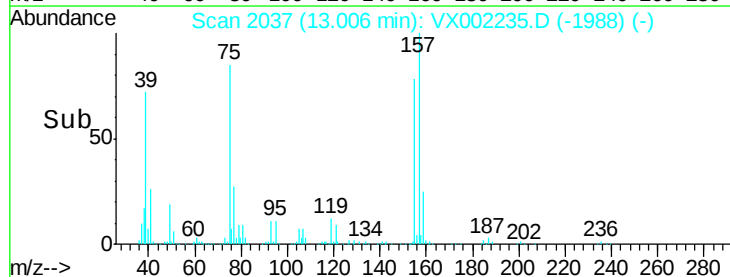
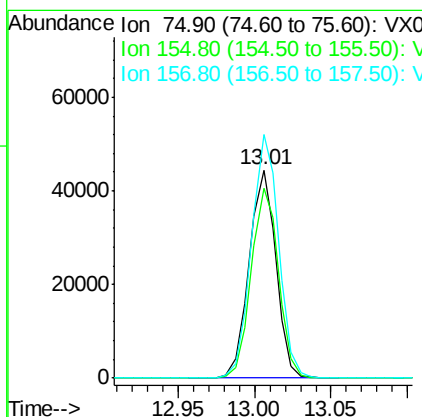
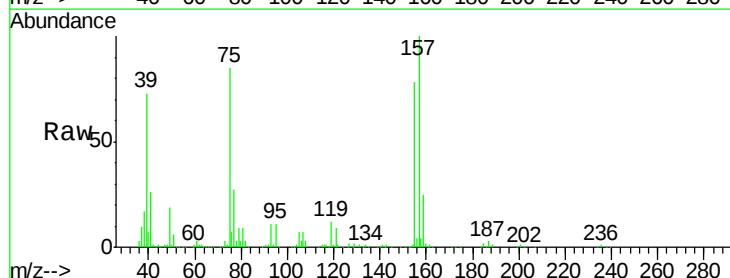
Manual Integrations
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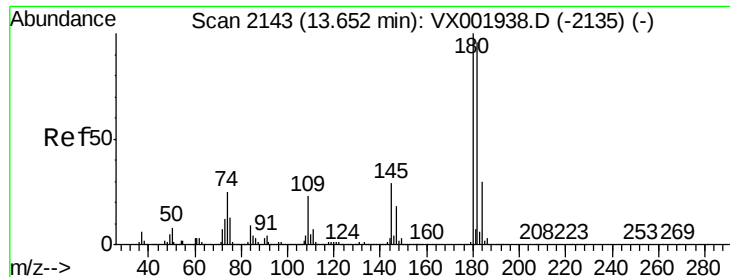
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 36.430 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.9	45.1	135.2
157	119.1	58.1	174.2





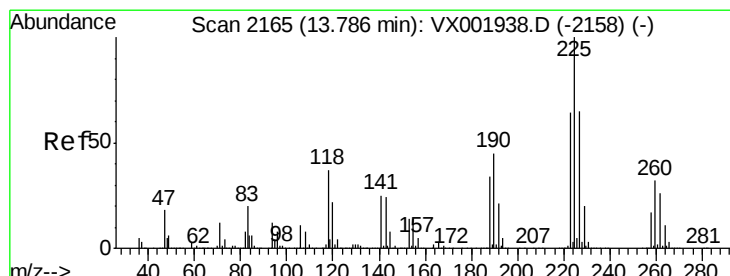
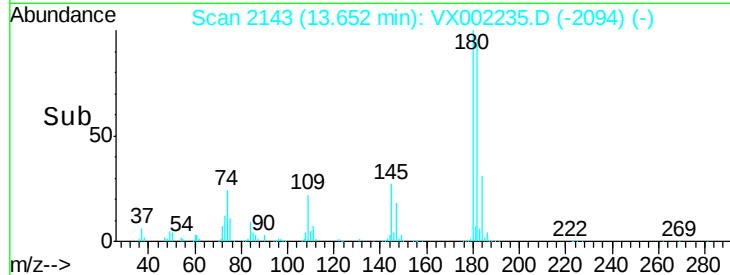
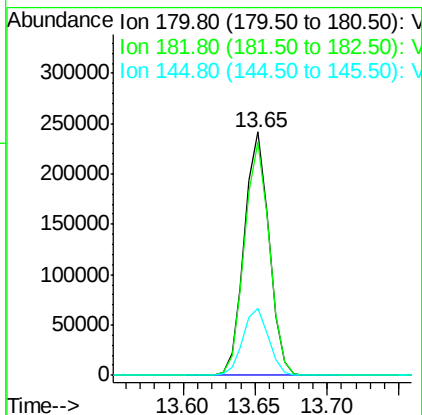
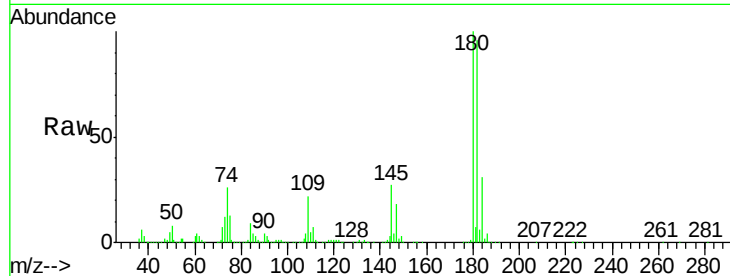
#93
 1,2,4-Trichlorobenzene
 Concen: 49.579 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.4	47.7	143.1
145	28.0	14.4	43.0

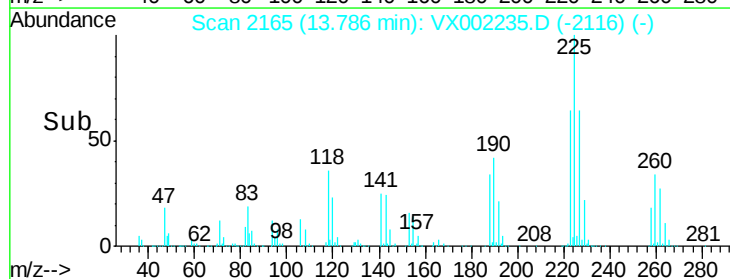
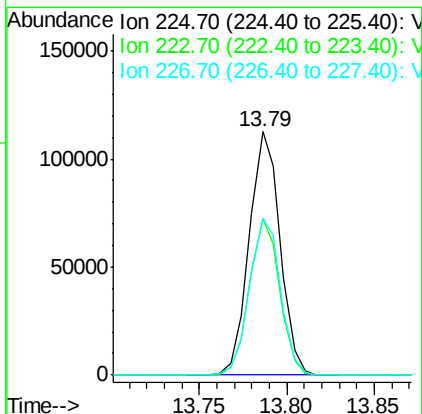
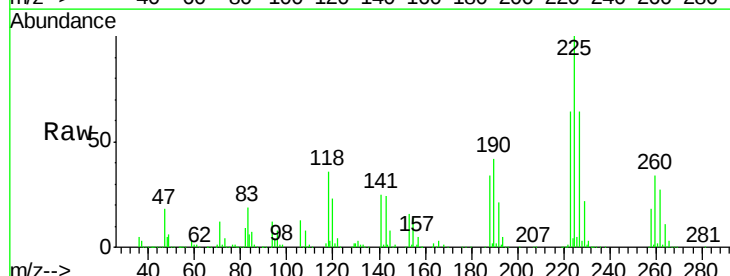
Manual Integrations
 APPROVED

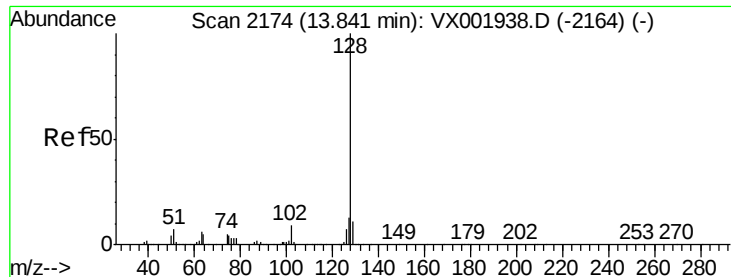
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 44.186 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002235.D
 Acq: 02 Jun 2018 11:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.2	31.1	93.5
227	64.9	32.1	96.5





#95

Naphthalene

Concen: 47.570 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Instrument :

MSVOA_X

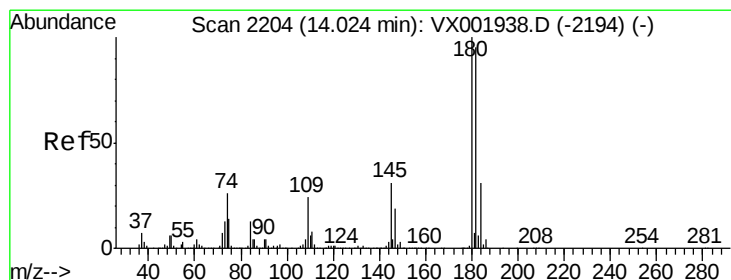
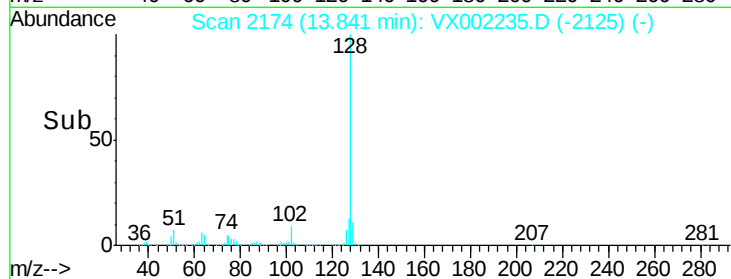
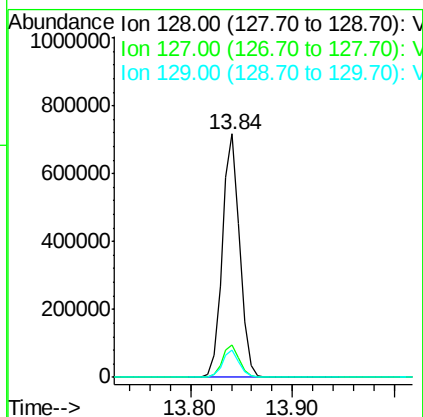
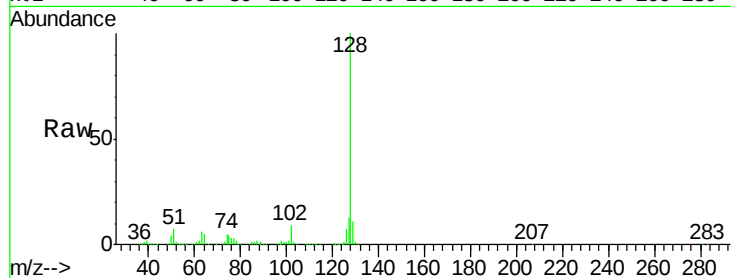
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	847967
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 49.151 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002235.D

Acq: 02 Jun 2018 11:42

Tgt Ion:	180	Resp:	294254
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.6
145	29.5	15.1	45.3

