

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002142.D
 Acq On : 30 May 2018 16:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:46 PM

Quant Time: May 31 03:58:30 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	254722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	226338	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	186444	40.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.90%	
35) Dibromofluoromethane	5.51	113	142082	40.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.52%	
50) Toluene-d8	8.72	98	525277	41.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.24%	
62) 4-Bromofluorobenzene	11.14	95	215390	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	131021	40.72	ug/l	99
3) Chloromethane	1.32	50	169620	43.28	ug/l	100
4) Vinyl Chloride	1.40	62	170084	44.95	ug/l	99
5) Bromomethane	1.64	94	95659	55.01	ug/l	98
6) Chloroethane	1.72	64	109927	49.28	ug/l	99
7) Trichlorofluoromethane	1.93	101	284686	50.10	ug/l	100
8) Diethyl Ether	2.19	74	108166	52.46	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	163918	51.69	ug/l	97
10) Methyl Iodide	2.51	142	192683	44.91	ug/l	98
11) Tert butyl alcohol	3.07	59	226437	253.36	ug/l	98
12) 1,1-Dichloroethene	2.37	96	143996	48.50	ug/l	97
13) Acrolein	2.29	56	72464	187.52	ug/l	98
14) Allyl chloride	2.73	41	311014	49.90	ug/l	97
15) Acrylonitrile	3.15	53	479418	260.85	ug/l	99
16) Acetone	2.45	43	448983	255.51	ug/l	100
17) Carbon Disulfide	2.57	76	377312	44.16	ug/l	99
18) Methyl Acetate	2.78	43	237759	56.31	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	581305	52.06	ug/l	98
20) Methylene Chloride	2.86	84	169511	55.91	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	157014	54.46	ug/l	98
22) Diisopropyl ether	3.87	45	576794	45.50	ug/l	97
23) Vinyl Acetate	3.82	43	2670161	254.05	ug/l	98
24) 1,1-Dichloroethane	3.70	63	311569	51.74	ug/l	99
25) 2-Butanone	4.71	43	676191	209.96	ug/l	99
26) 2,2-Dichloropropane	4.59	77	236383	38.78	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	168669	43.57	ug/l	96
28) Bromochloromethane	5.02	49	151021	60.10	ug/l	99
29) Tetrahydrofuran	5.17	42	442680	211.26	ug/l	99
30) Chloroform	5.22	83	296028	43.63	ug/l	98
31) Cyclohexane	5.57	56	270148	43.06	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	263446	41.65	ug/l	99
36) 1,1-Dichloropropene	5.80	75	217716	44.90	ug/l	99
37) Ethyl Acetate	4.87	43	271890	43.01	ug/l	99
38) Carbon Tetrachloride	5.78	117	235375	41.63	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	280455	47.08	ug/l	97
40) Benzene	6.15	78	651294	45.85	ug/l	99
41) Methacrylonitrile	5.07	41	154035	46.07	ug/l	99
42) 1,2-Dichloroethane	6.20	62	259078	45.66	ug/l	99
43) Isopropyl Acetate	6.47	43	467749	44.41	ug/l	99
44) Trichloroethene	7.21	130	188858	45.63	ug/l	99
45) 1,2-Dichloropropane	7.52	63	173815	45.06	ug/l	99
46) Dibromomethane	7.67	93	118554	46.42	ug/l	99
47) Bromodichloromethane	7.90	83	227167	41.72	ug/l	99
48) Methyl methacrylate	7.78	41	238785	44.55	ug/l	99
49) 1,4-Dioxane	7.76	88	84773	897.44	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1468870	231.36	ug/l	100
52) Toluene	8.79	92	424436	46.95	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	275289	43.89	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	267121	43.71	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	174175	46.12	ug/l	99
56) Ethyl methacrylate	9.18	69	290747	44.76	ug/l	99
57) 1,3-Dichloropropane	9.38	76	292693	47.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	655506	227.69	ug/l	100
59) 2-Hexanone	9.50	43	1129590	230.74	ug/l	99
60) Dibromochloromethane	9.59	129	191780	42.88	ug/l	99
61) 1,2-Dibromoethane	9.68	107	186122	46.97	ug/l	100
64) Tetrachloroethene	9.34	164	216590	46.34	ug/l	98
65) Chlorobenzene	10.14	112	480946	46.57	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	180903	43.38	ug/l	99
67) Ethyl Benzene	10.26	91	841039	46.87	ug/l	100
68) m/p-Xylenes	10.37	106	654435	95.41	ug/l	100
69) o-Xylene	10.70	106	318666	46.53	ug/l	100
70) Styrene	10.72	104	534304	47.04	ug/l	99
71) Bromoform	10.86	173	154605	39.10	ug/l #	100
73) Isopropylbenzene	11.02	105	874310	45.62	ug/l	99
74) N-amyl acetate	6.47	43	467749	46.84	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	257035	49.01	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	235132m	43.25	ug/l	
77) Bromobenzene	11.26	156	231655	45.56	ug/l	97
78) n-propylbenzene	11.37	91	1002131	46.68	ug/l	100
79) 2-Chlorotoluene	11.43	91	591164	50.21	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	747720	45.65	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	84606	37.40	ug/l	92
82) 4-Chlorotoluene	11.51	91	696491	46.00	ug/l	100
83) tert-Butylbenzene	11.77	119	717336	44.63	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	767310	45.33	ug/l	99
85) sec-Butylbenzene	11.95	105	903071	46.74	ug/l	99
86) p-Isopropyltoluene	12.07	119	816099	47.20	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	423142	46.46	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	430133	47.24	ug/l	100
89) n-Butylbenzene	12.39	91	717969	49.01	ug/l	100
90) Hexachloroethane	12.60	117	130706	38.33	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	432443	46.60	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	64766	38.01	ug/l	98

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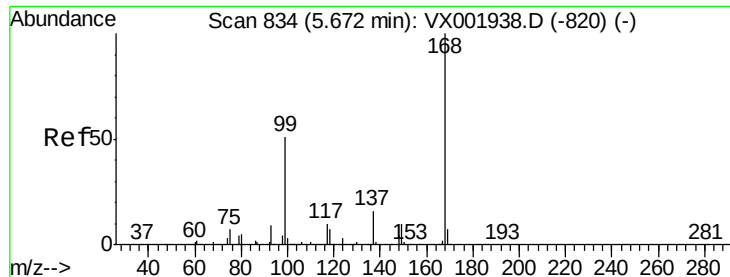
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	317034	47.78	ug/l	99
94) Hexachlorobutadiene	13.79	225	171248	47.98	ug/l	99
95) Naphthalene	13.84	128	920755	45.04	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	322777	47.01	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 254722

Ion Ratio Lower Upper

168 100

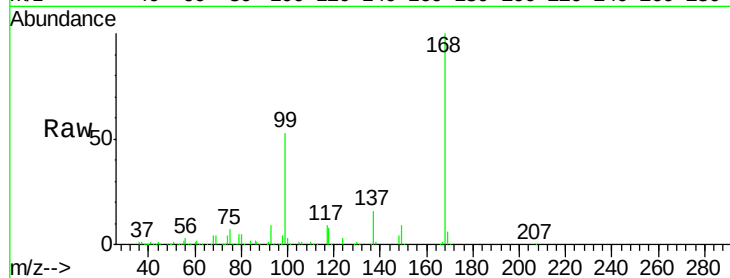
99 52.9 41.0 61.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

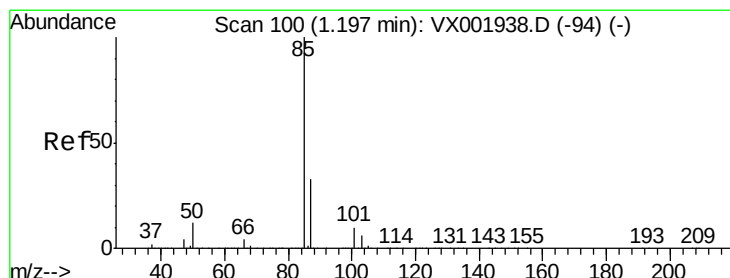
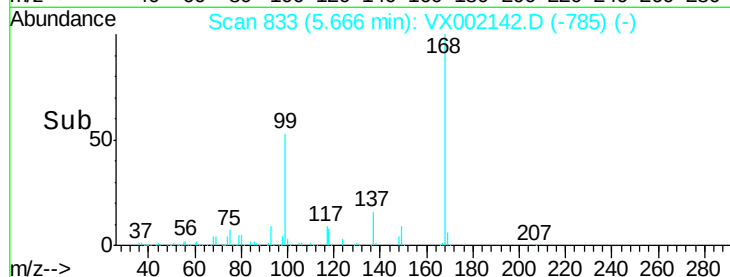
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 40.72 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002142.D

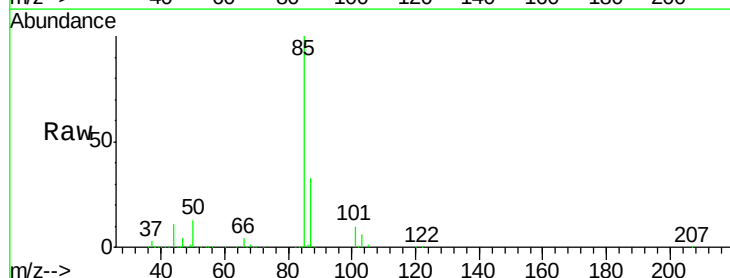
Acq: 30 May 2018 16:18

Tgt Ion: 85 Resp: 131021

Ion Ratio Lower Upper

85 100

87 32.8 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

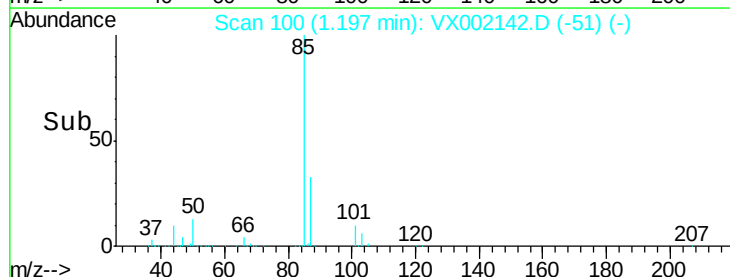
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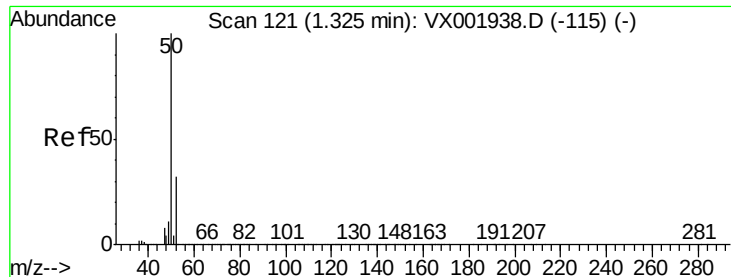
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.28 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 169620

Ion Ratio Lower Upper

50 100

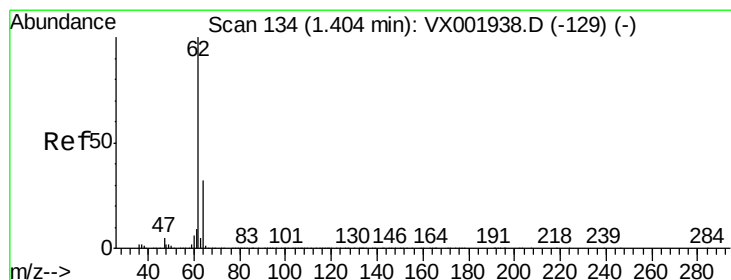
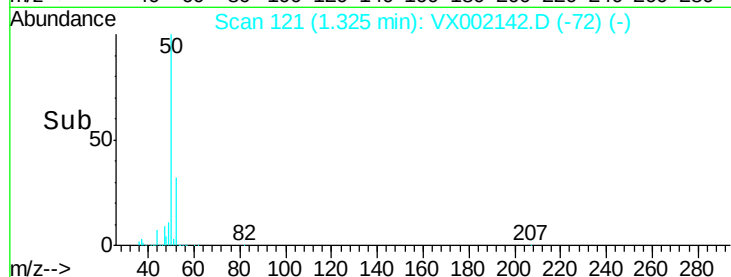
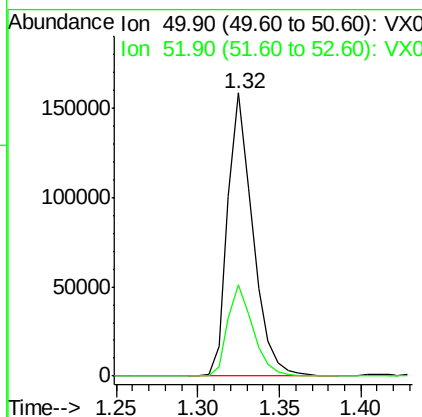
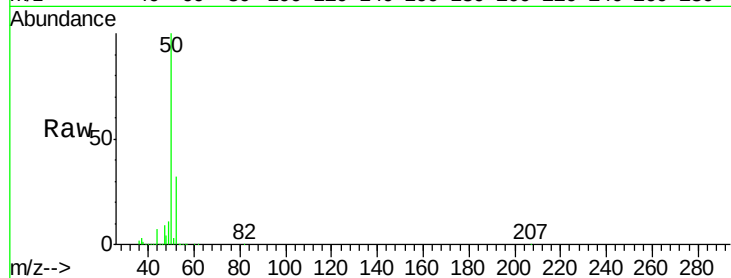
52 32.3 26.0 39.0

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#4

Vinyl Chloride

Concen: 44.95 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002142.D

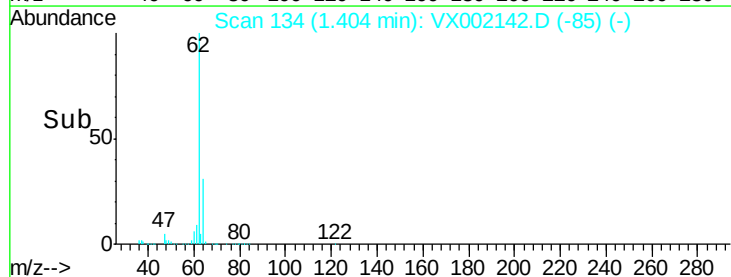
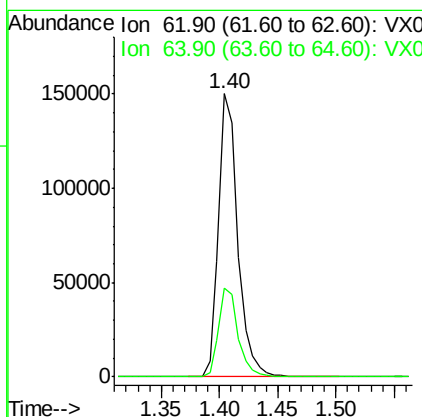
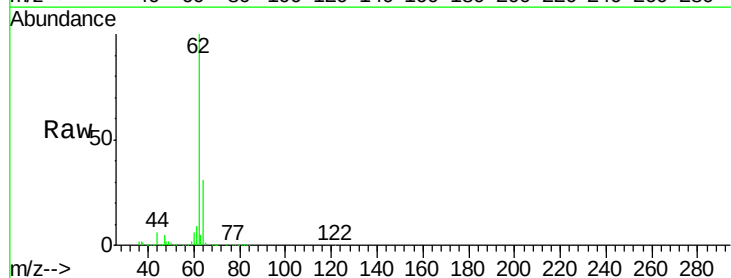
Acq: 30 May 2018 16:18

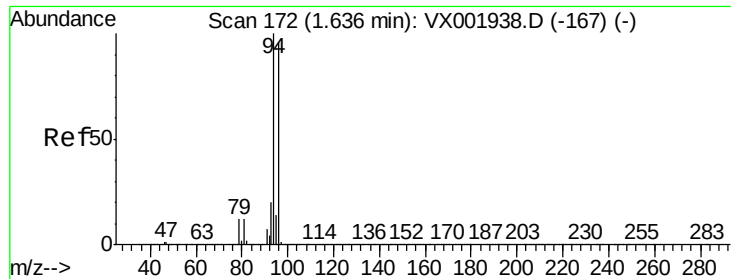
Tgt Ion: 62 Resp: 170084

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 55.01 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 95659

Ion Ratio Lower Upper

94 100

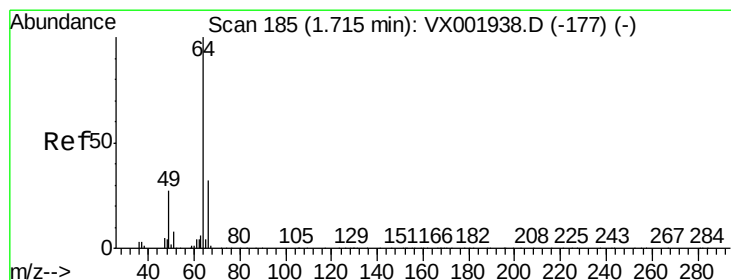
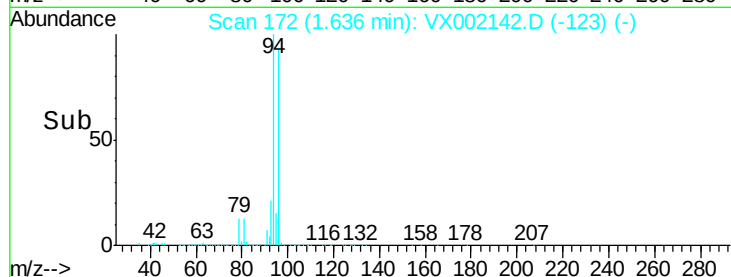
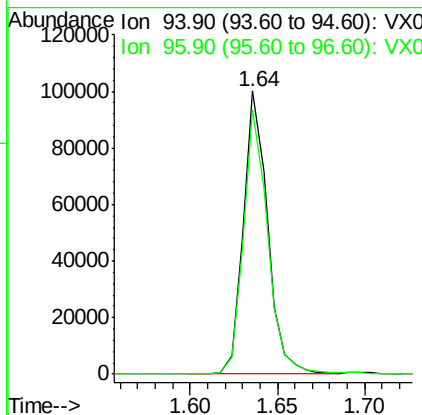
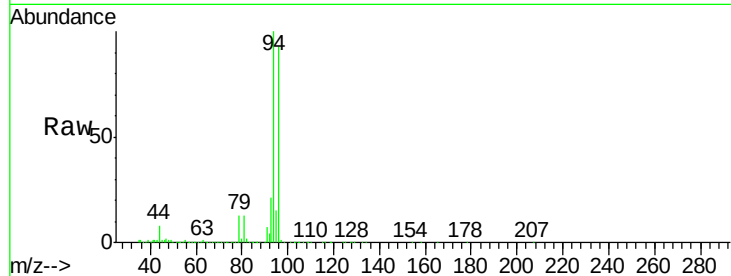
96 93.2 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 49.28 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002142.D

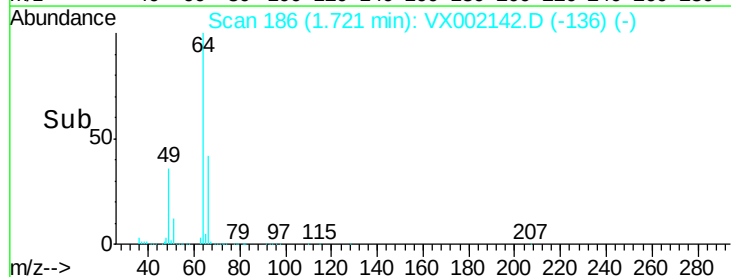
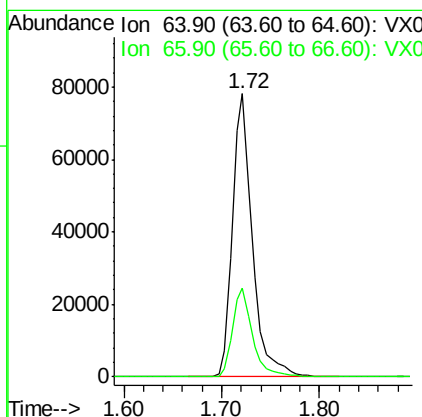
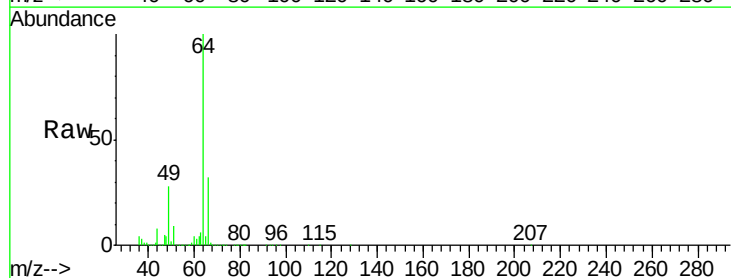
Acq: 30 May 2018 16:18

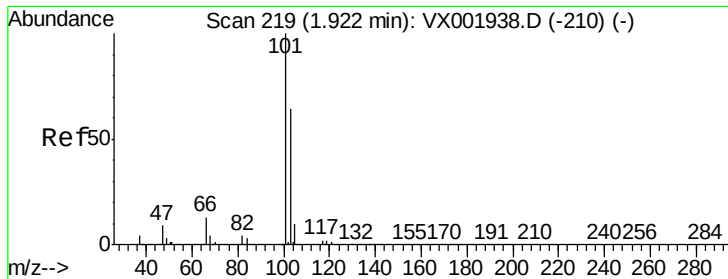
Tgt Ion: 64 Resp: 109927

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4





#7

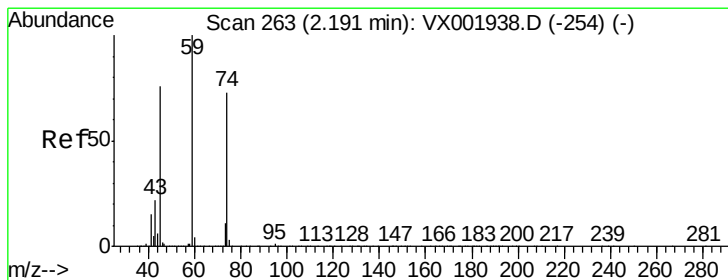
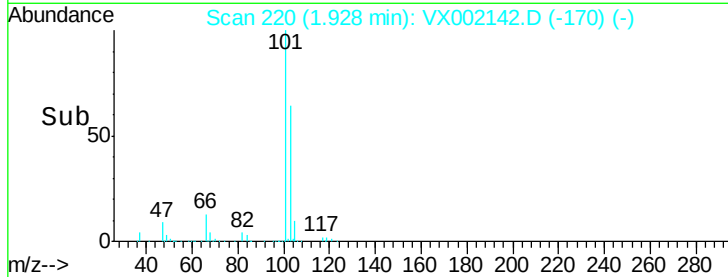
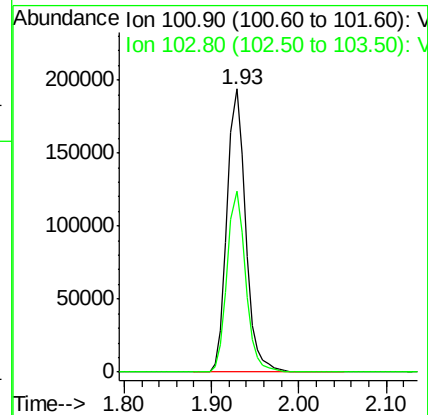
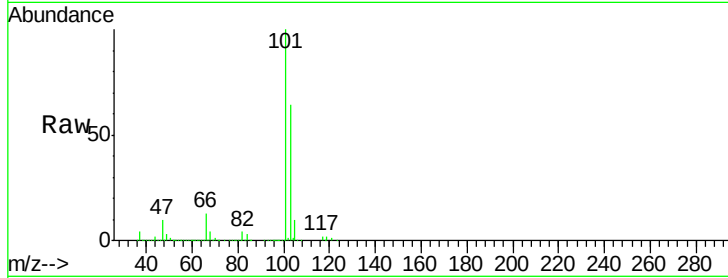
Trichlorofluoromethane
 Concen: 50.10 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX002142.D
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Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.0

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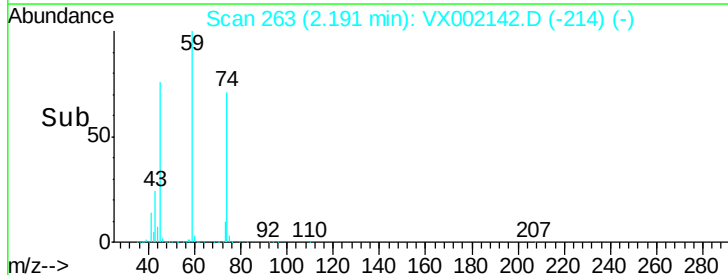
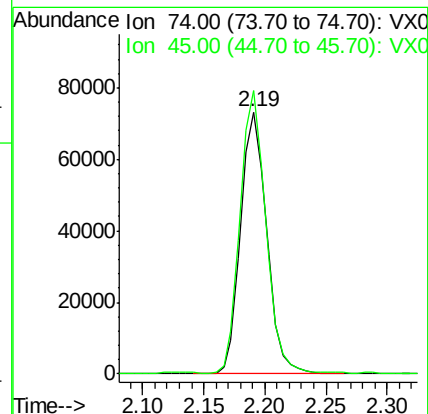
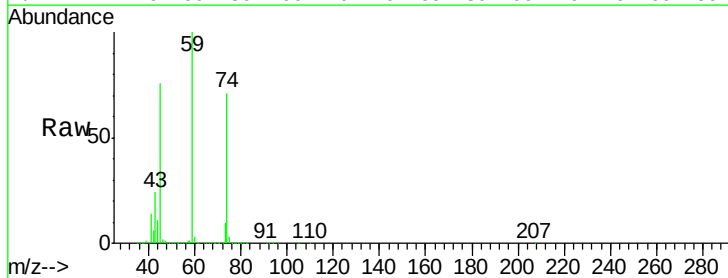
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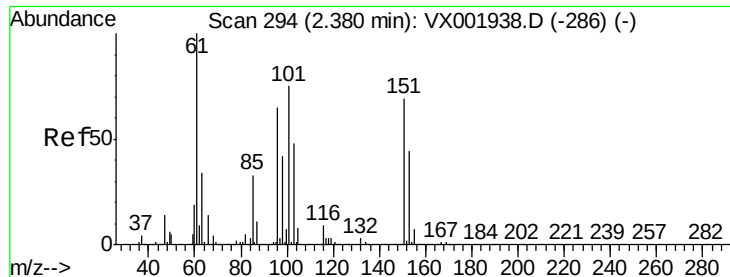


#8

Diethyl Ether
 Concen: 52.46 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.69 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

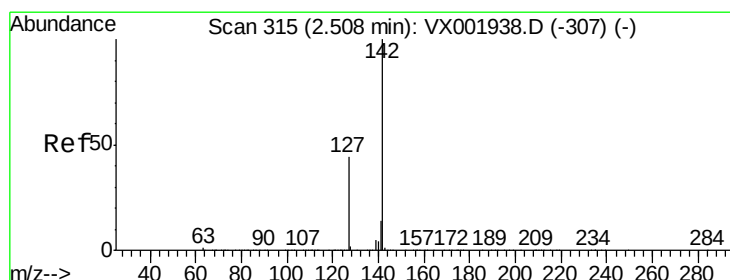
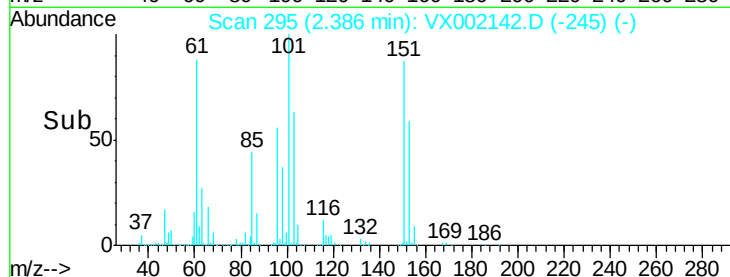
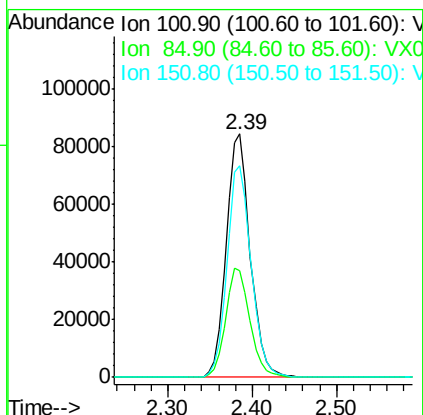
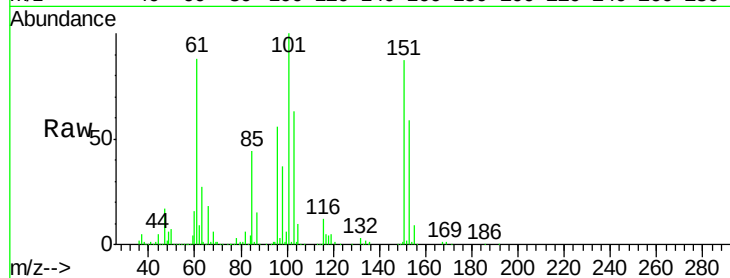
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	163918
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.6	53.4
151	87.6	73.2	109.8

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#10

Methyl Iodide

Concen: 44.91 ug/l

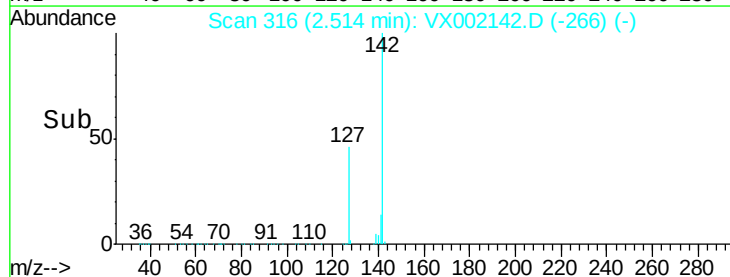
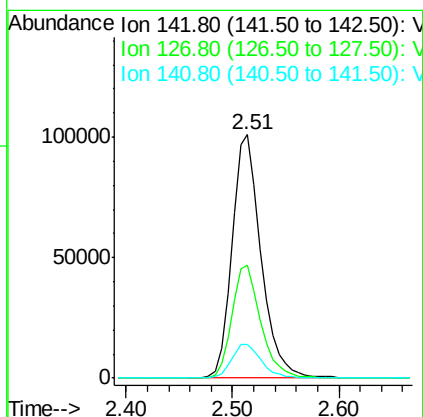
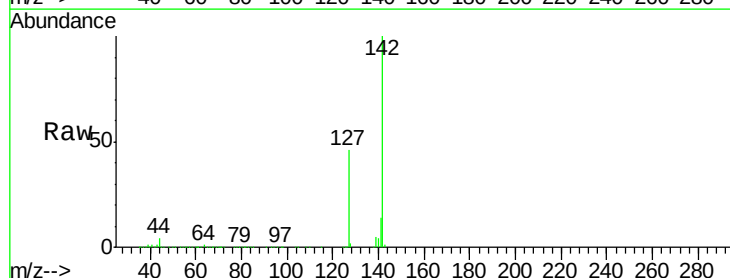
RT: 2.51 min Scan# 316

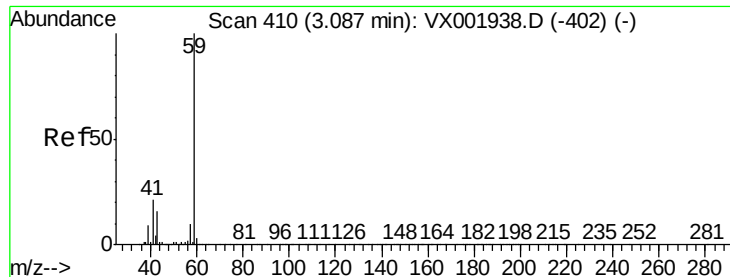
Delta R.T. 0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Tgt Ion:	142	Resp:	192683
Ion Ratio	Lower	Upper	
142	100		
127	46.3	35.5	53.3
141	14.4	11.3	16.9





#11

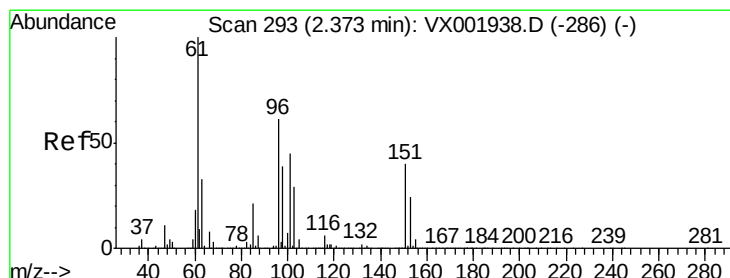
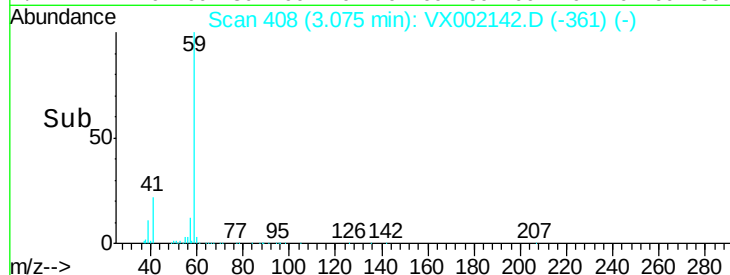
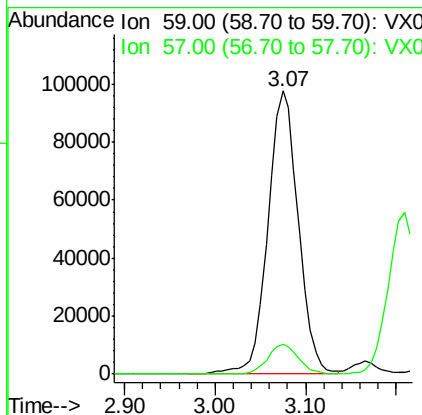
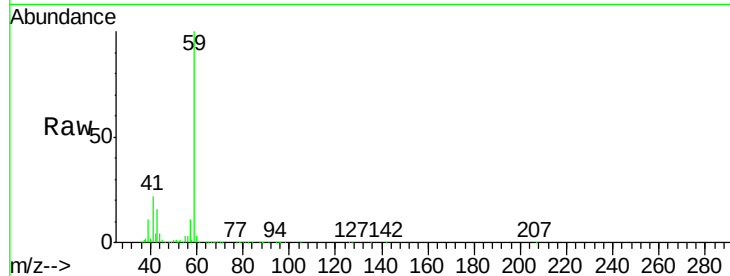
Tert butyl alcohol
Concen: 253.36 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.9	13.3

Manual Integrations
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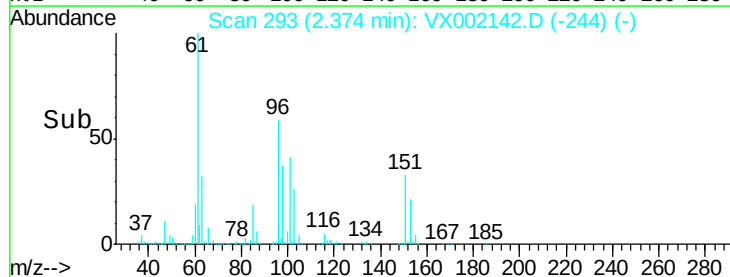
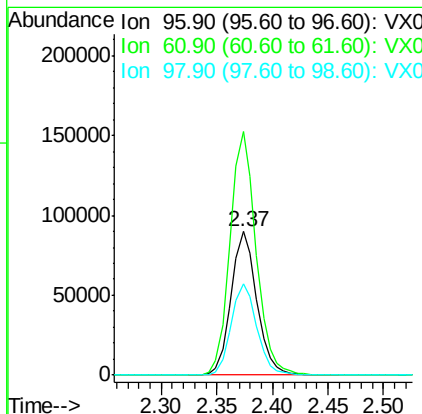
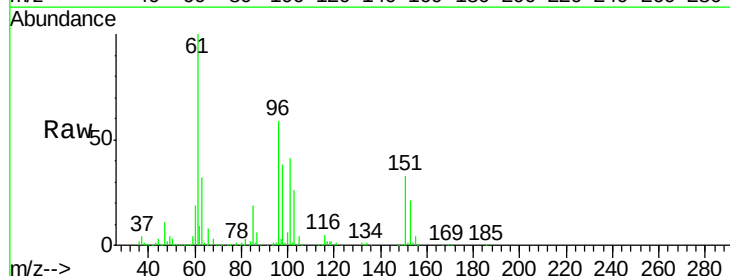
MMDadoda
5/31/2018 3:07:46 PM

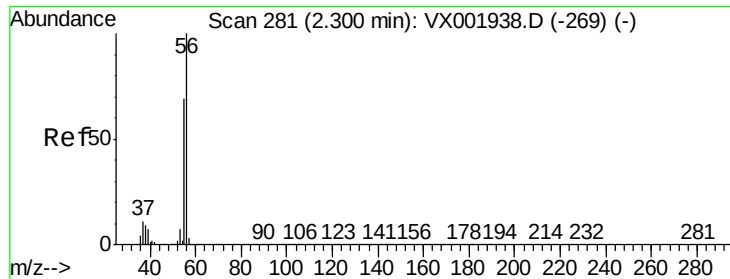


#12

1,1-Dichloroethene
Concen: 48.50 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.0	131.7	197.5
98	63.8	51.6	77.4





#13

Acrolein

Concen: 187.52 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 72464

Ion Ratio Lower Upper

56 100

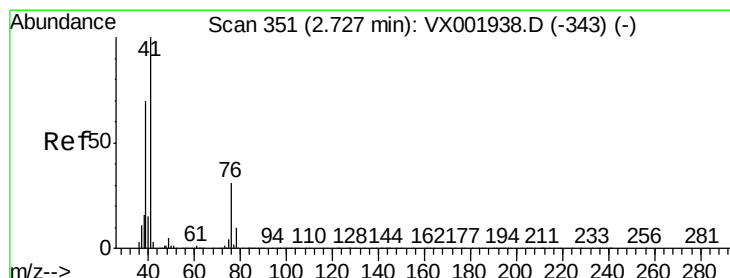
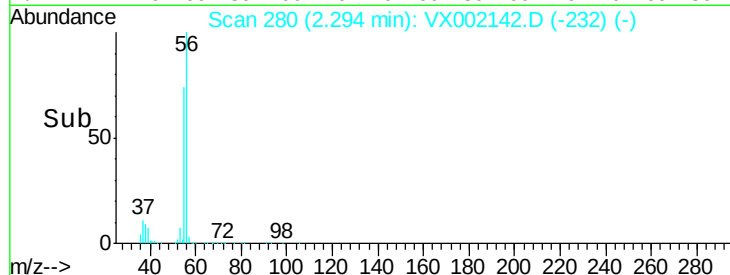
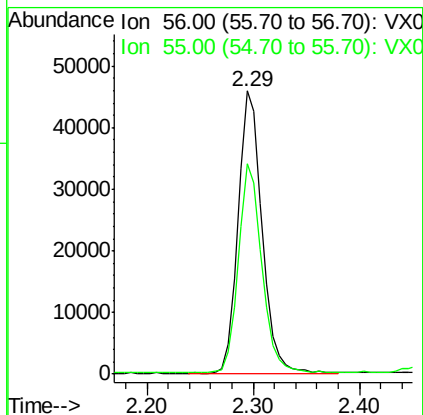
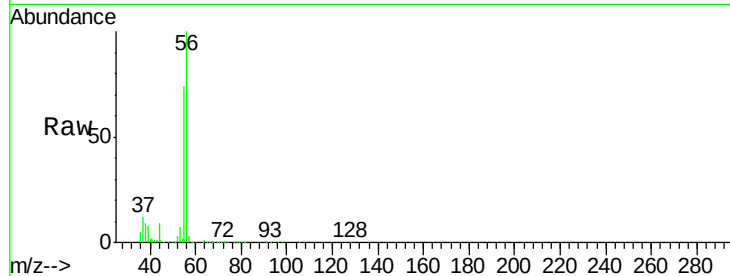
55 72.4 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 49.90 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

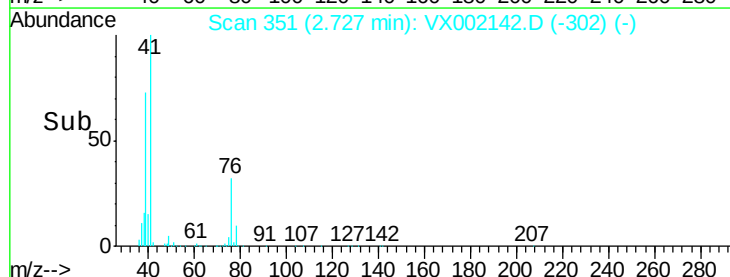
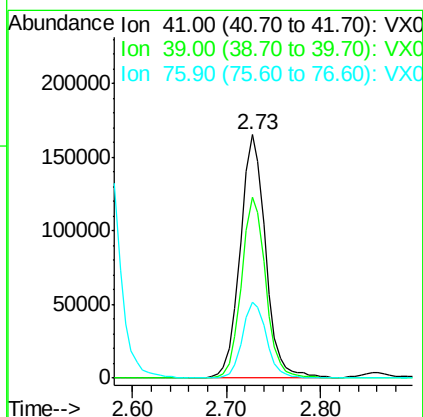
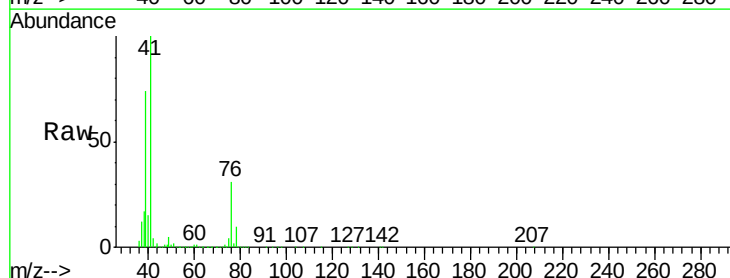
Tgt Ion: 41 Resp: 311014

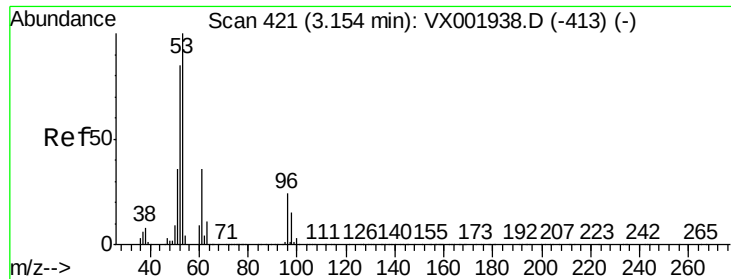
Ion Ratio Lower Upper

41 100

39 70.6 54.3 81.5

76 29.8 24.2 36.4





#15

Acrylonitrile

Concen: 260.85 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

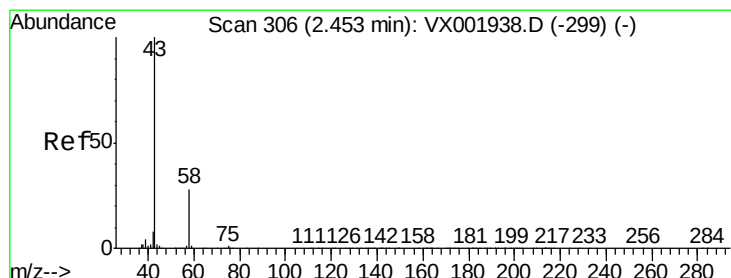
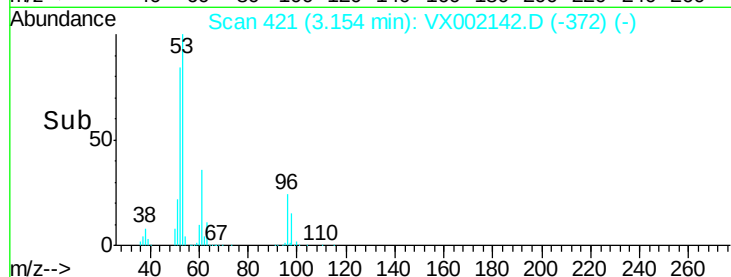
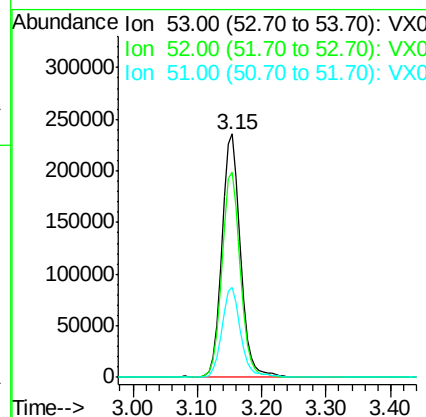
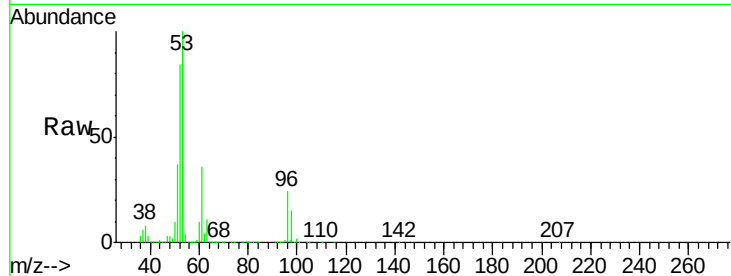
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	479418
Ion Ratio		Lower	Upper
53	100		
52	83.7	66.4	99.6
51	37.3	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 255.51 ug/l

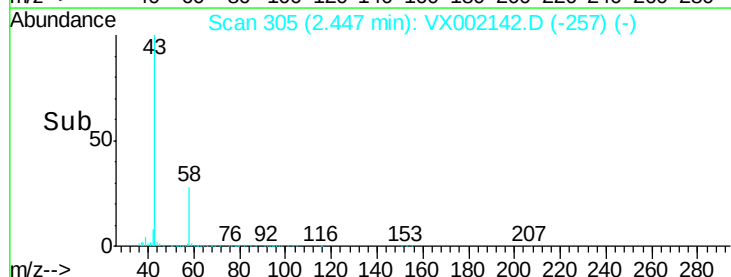
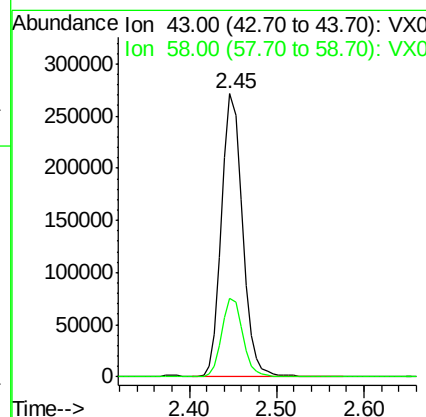
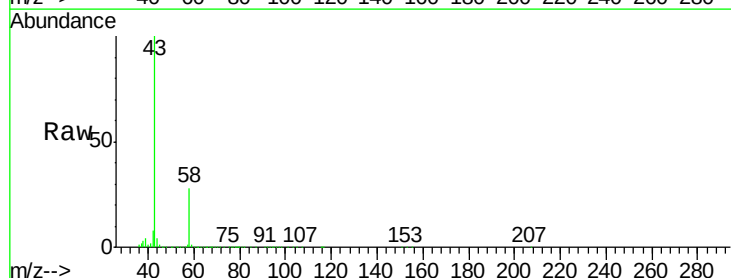
RT: 2.45 min Scan# 305

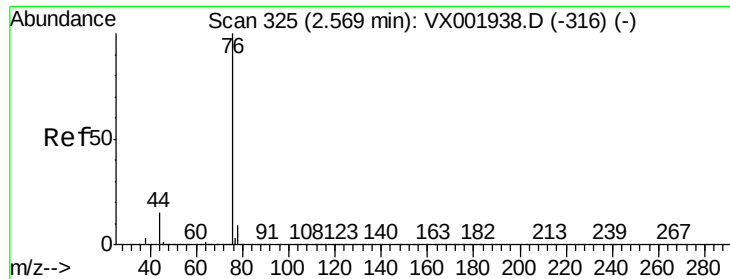
Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Tgt Ion:	43	Resp:	448983
Ion Ratio		Lower	Upper
43	100		
58	27.8	22.3	33.5





#17

Carbon Disulfide

Concen: 44.16 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 377312

Ion Ratio Lower Upper

76 100

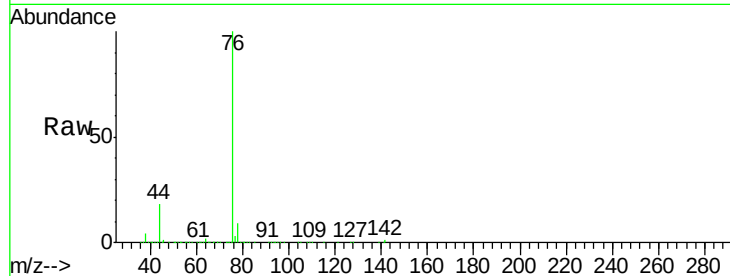
78 9.1 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

100000

50000

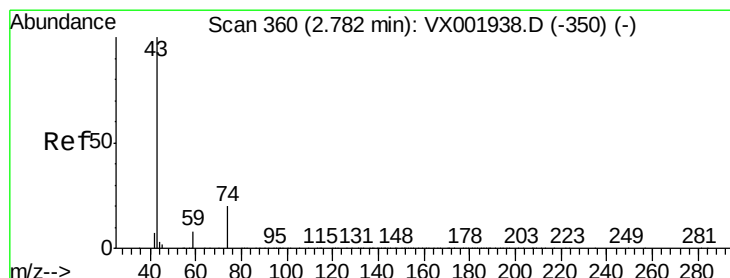
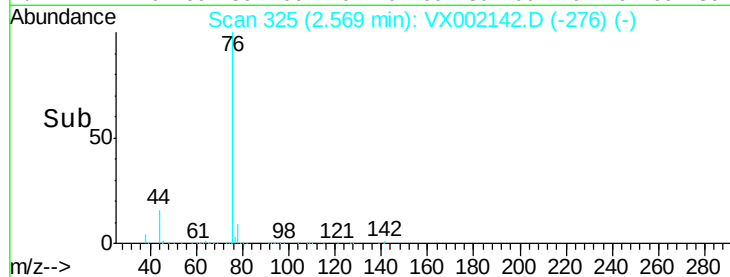
0

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 56.31 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002142.D

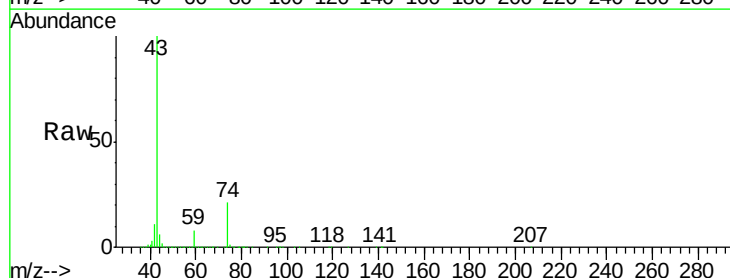
Acq: 30 May 2018 16:18

Tgt Ion: 43 Resp: 237759

Ion Ratio Lower Upper

43 100

74 21.1 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

100000

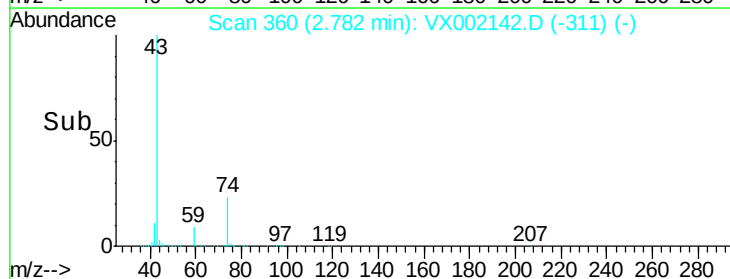
50000

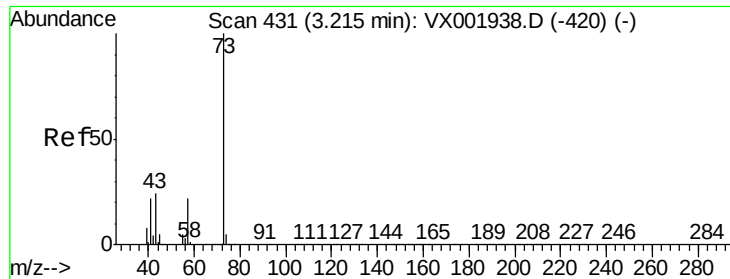
0

2.70

2.80

Time-->





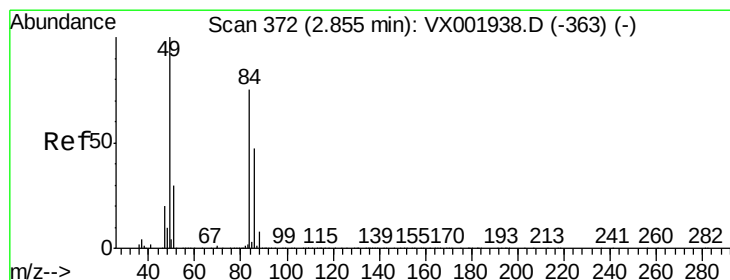
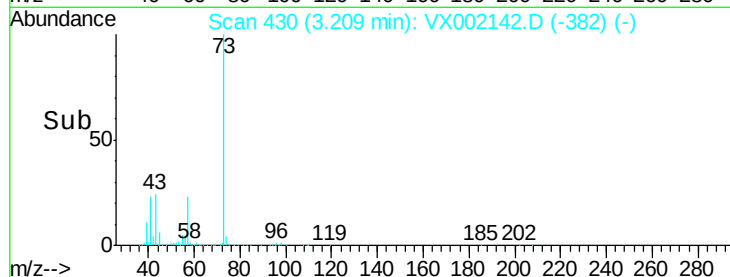
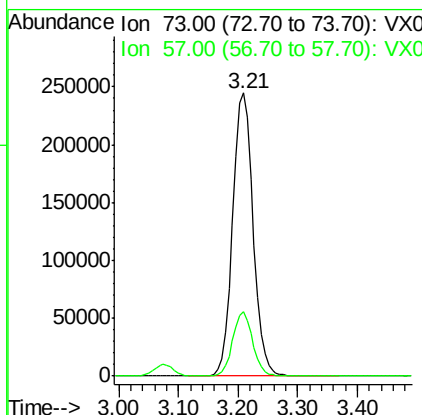
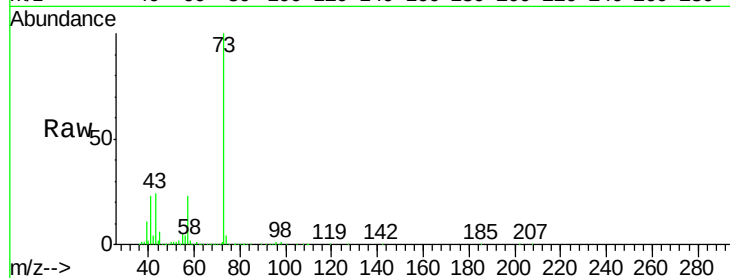
#19
Methyl tert-butyl Ether
Concen: 52.06 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.0

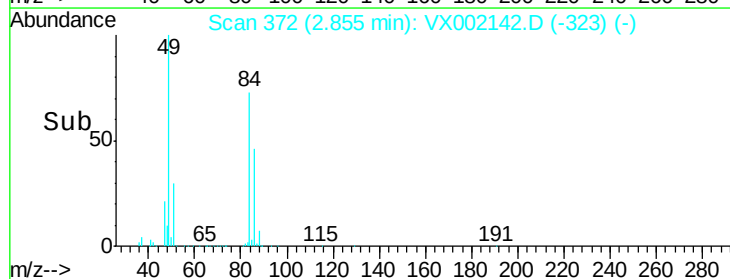
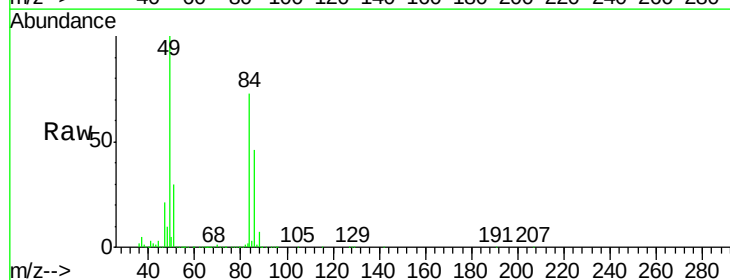
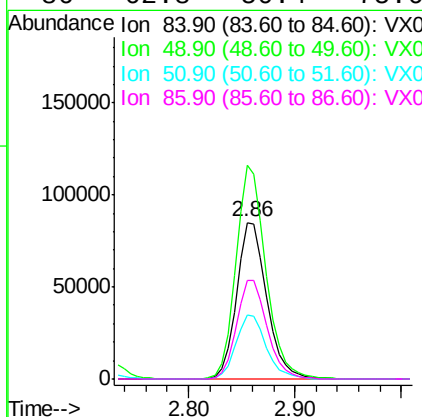
Manual Integrations
APPROVED

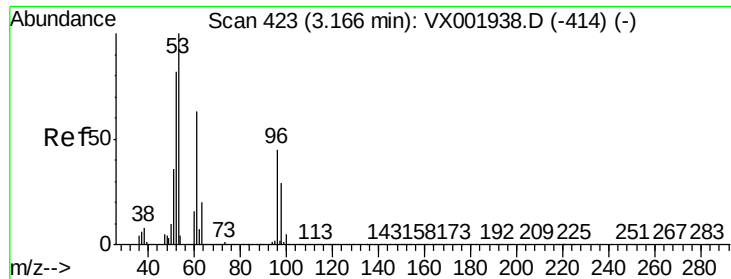
MMDadoda
5/31/2018 3:07:46 PM



#20
Methylene Chloride
Concen: 55.91 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.5	107.2	160.8
51	40.6	32.4	48.6
86	62.8	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 54.46 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

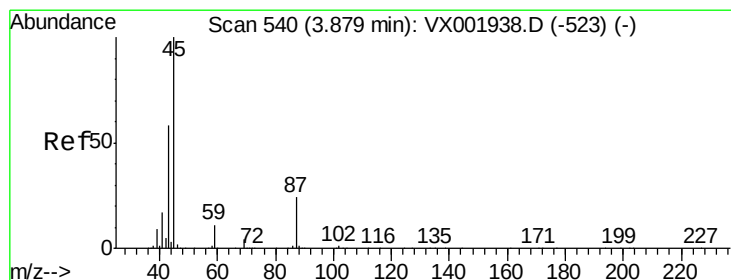
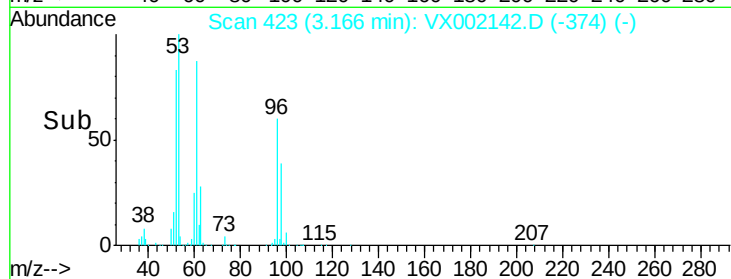
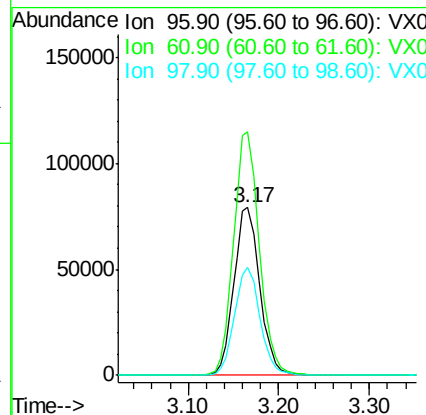
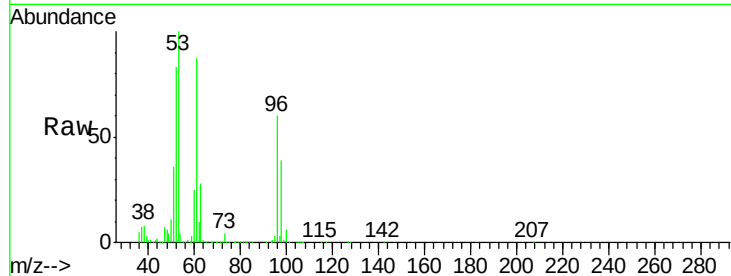
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	157014
Ion	Ratio	Lower	Upper
96	100		
61	144.9	113.3	169.9
98	64.3	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.50 ug/l

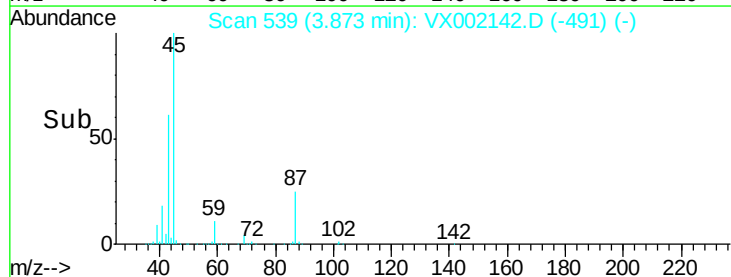
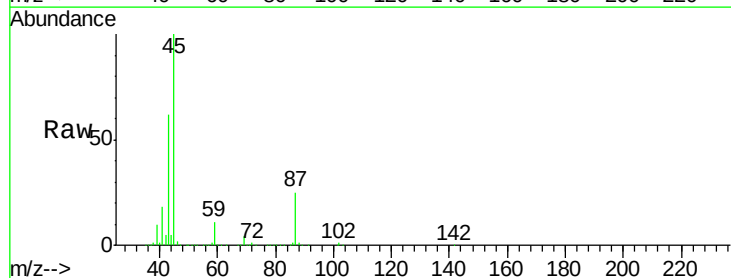
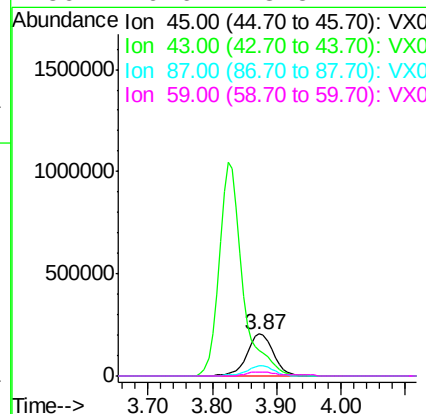
RT: 3.87 min Scan# 539

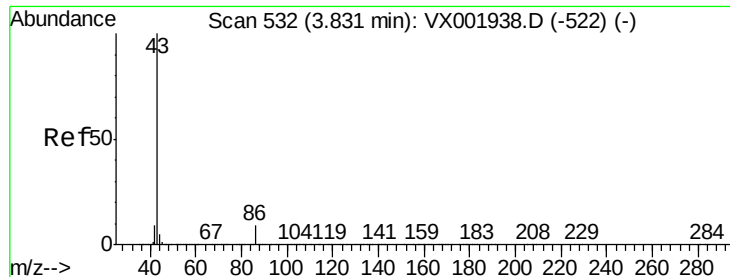
Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Tgt Ion:	45	Resp:	576794
Ion	Ratio	Lower	Upper
45	100		
43	61.2	47.0	70.6
87	25.1	19.4	29.0
59	10.6	8.5	12.7





#23

Vinyl Acetate

Concen: 254.05 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2670161

Ion Ratio Lower Upper

43 100

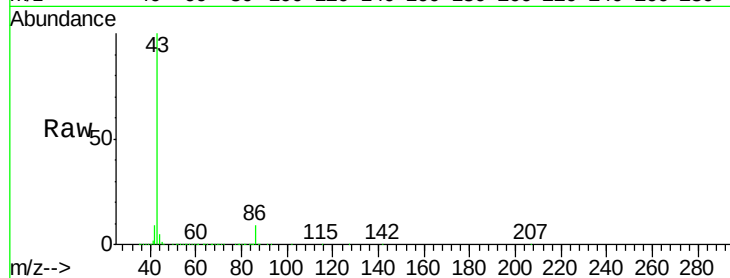
86 8.9 7.6 11.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1200000

1000000

800000

600000

400000

200000

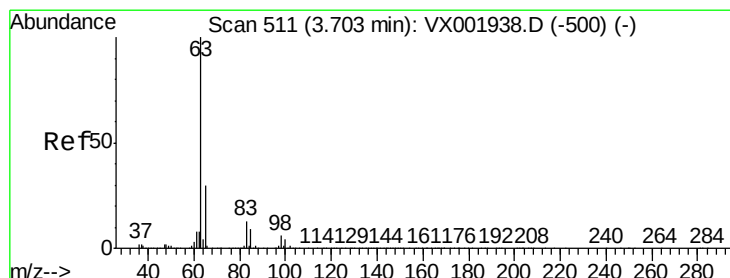
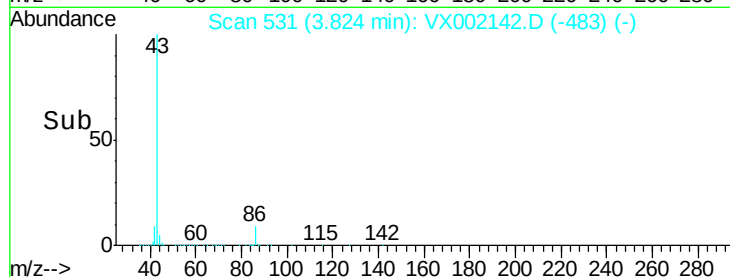
0

3.60

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.74 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

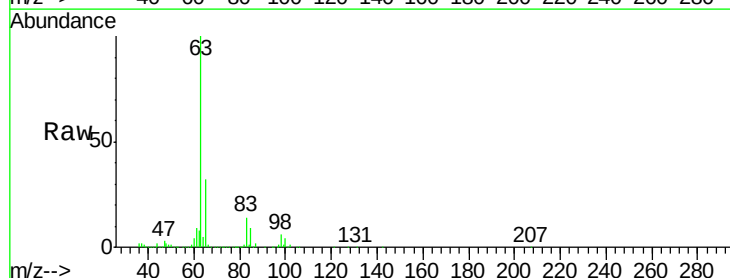
Tgt Ion: 63 Resp: 311569

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

100000

50000

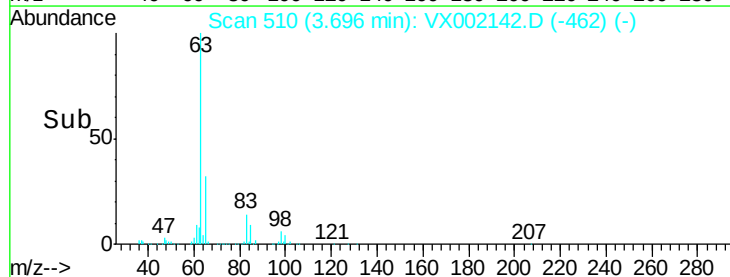
0

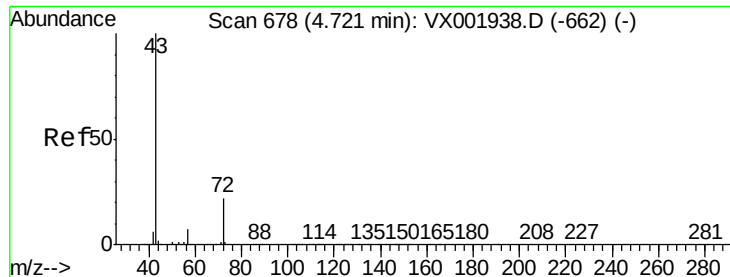
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 209.96 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 676191

Ion Ratio Lower Upper

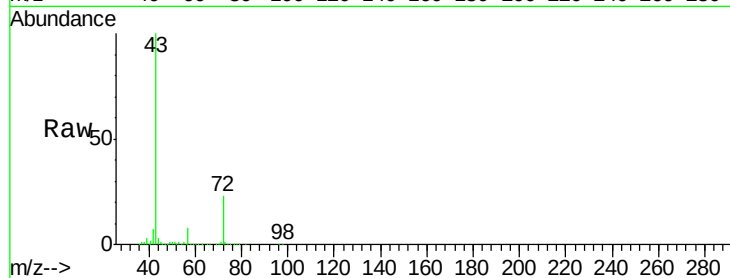
43 100

72 22.9 17.9 26.9

Manual Integrations
APPROVED

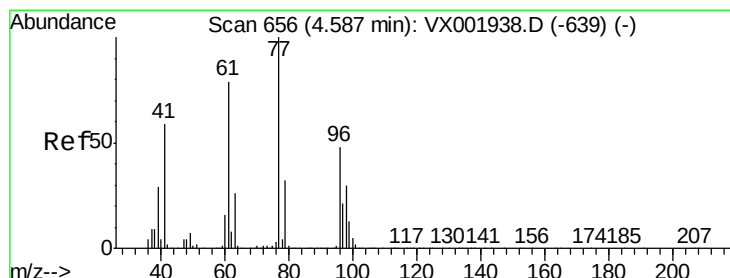
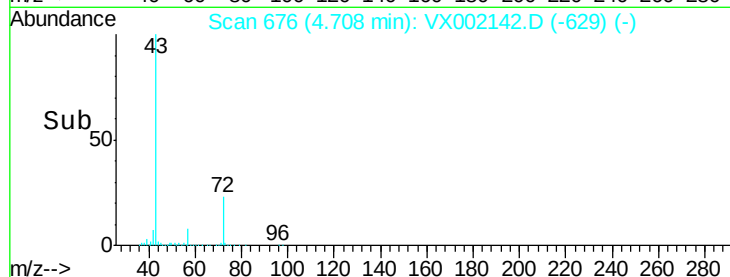
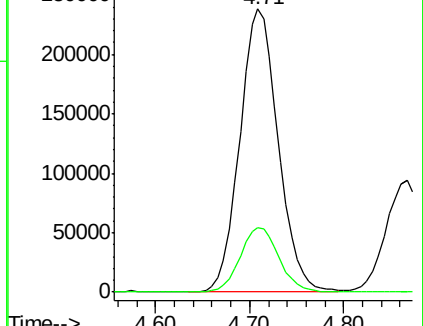
MMDadoda

5/31/2018 3:07:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 38.78 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002142.D

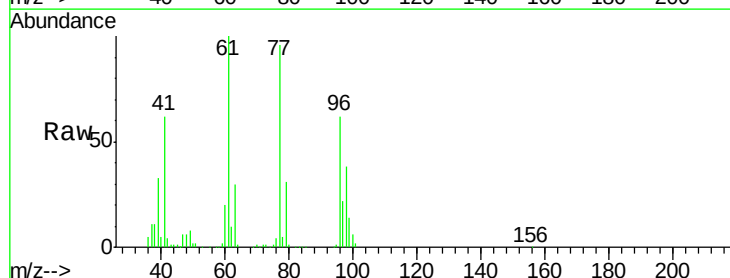
Acq: 30 May 2018 16:18

Tgt Ion: 77 Resp: 236383

Ion Ratio Lower Upper

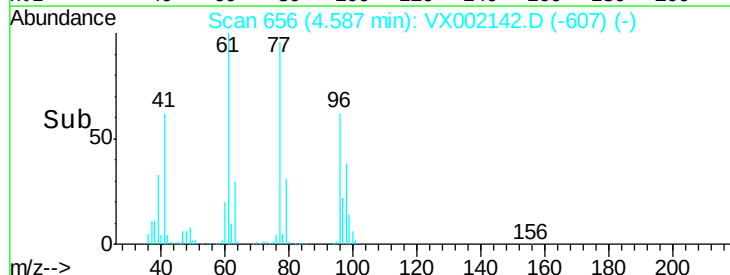
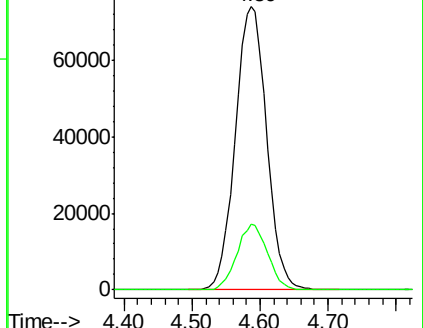
77 100

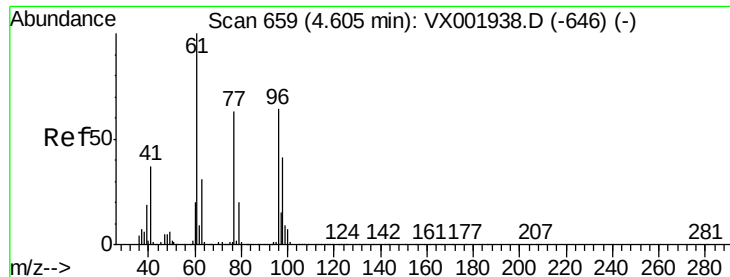
97 22.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

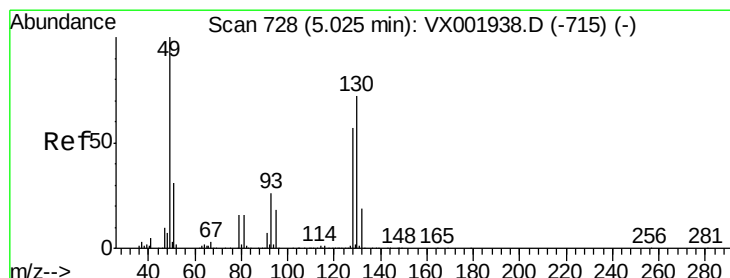
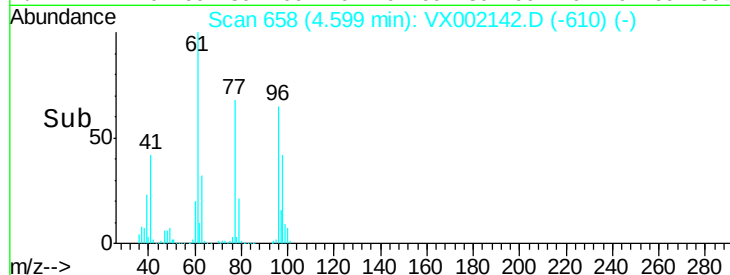
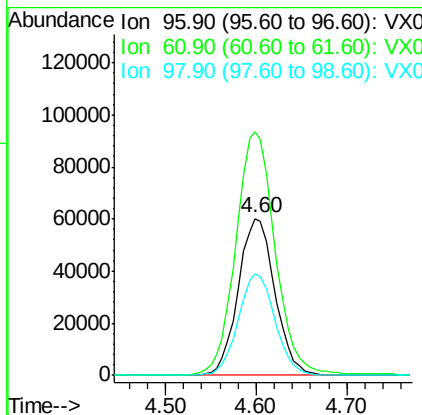
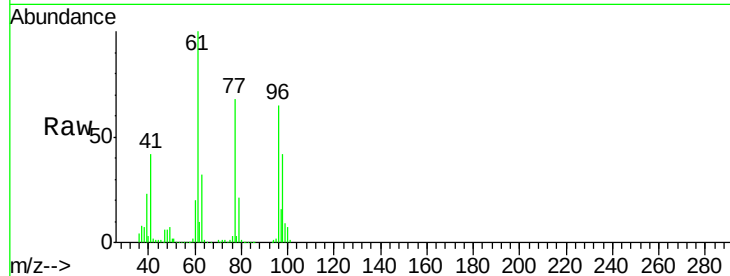
cis-1,2-Dichloroethene
 Concen: 43.57 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	168669		
61	167.0	0.0	348.4	
98	65.0	0.0	128.6	

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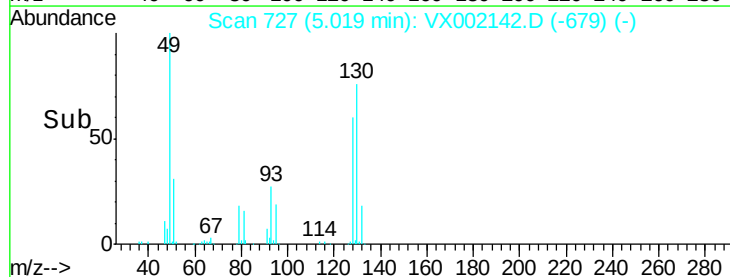
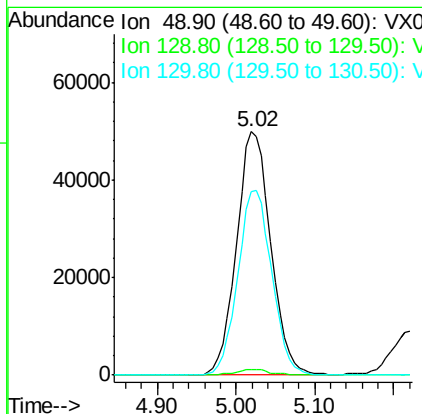
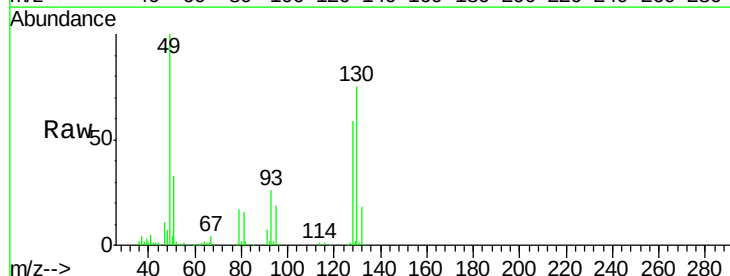
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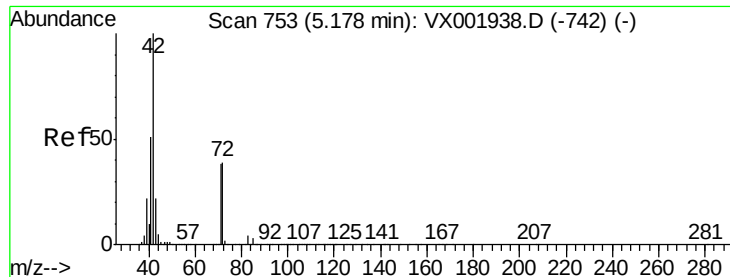


#28

Bromochloromethane
 Concen: 60.10 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	151021		
129	2.2	0.0	3.8	
130	75.2	59.4	89.2	





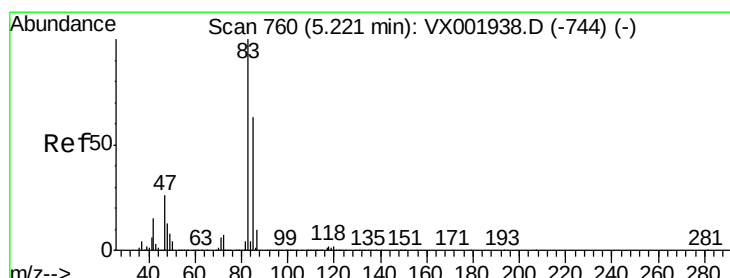
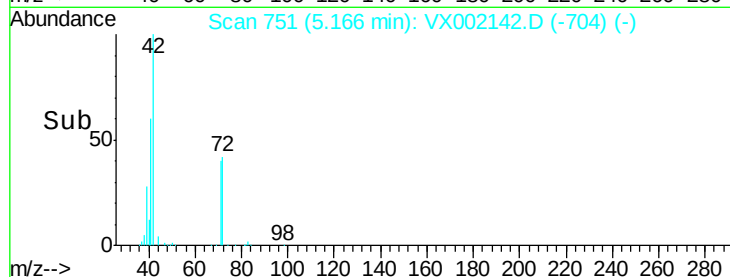
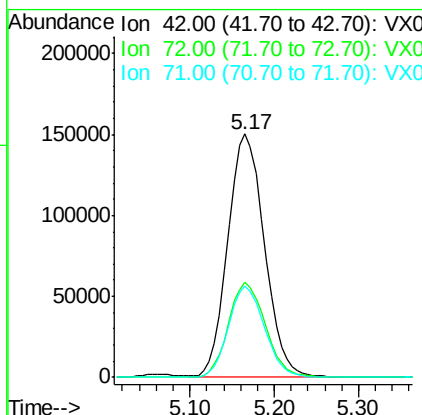
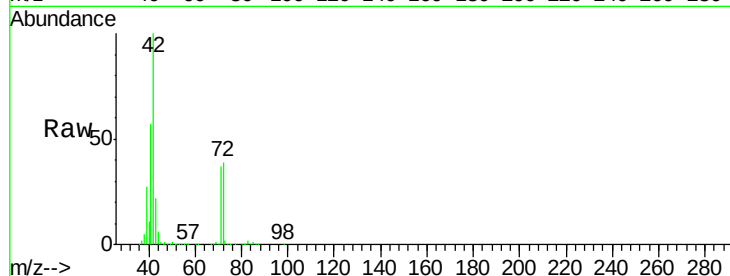
#29
Tetrahydrofuran
Concen: 211.26 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	442680
Ion Ratio	Lower	Upper	
42	100		
72	39.7	31.4	47.0
71	37.1	29.5	44.3

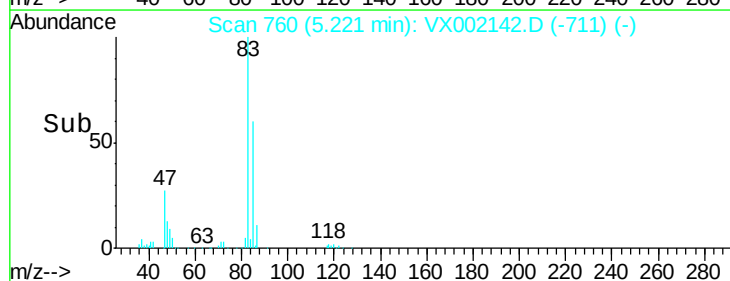
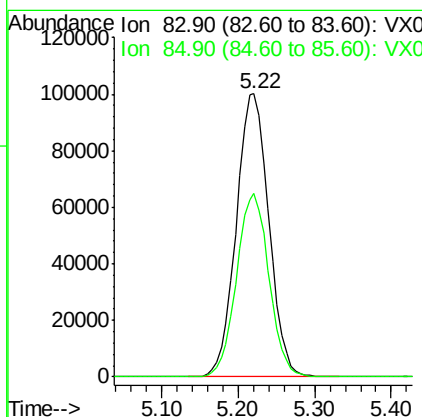
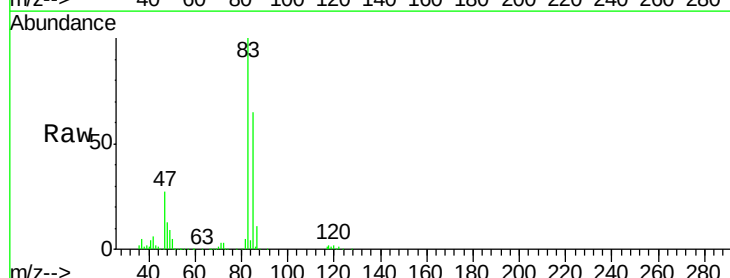
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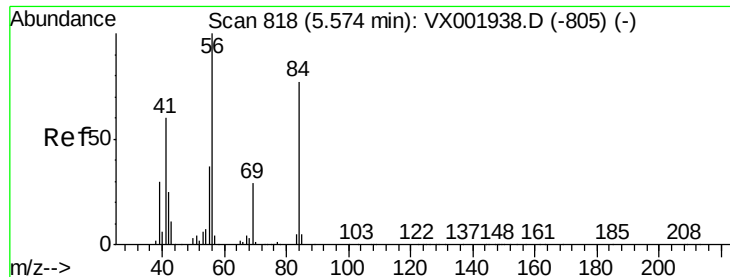
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#30
Chloroform
Concen: 43.63 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Tgt Ion:	83	Resp:	296028
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.9	76.3





#31

Cyclohexane

Concen: 43.06 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

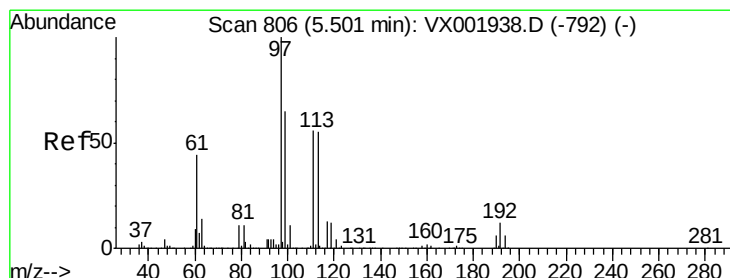
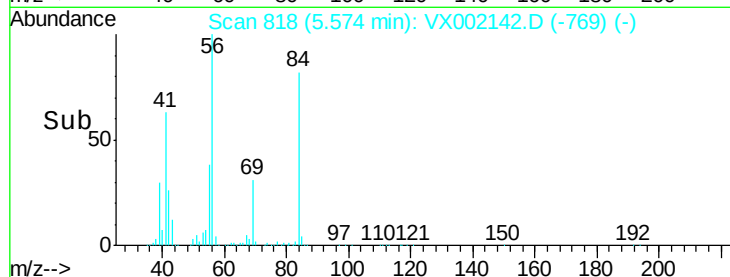
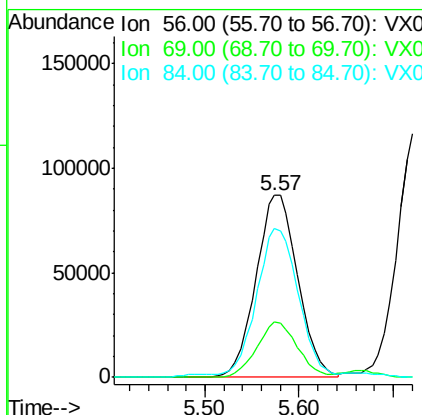
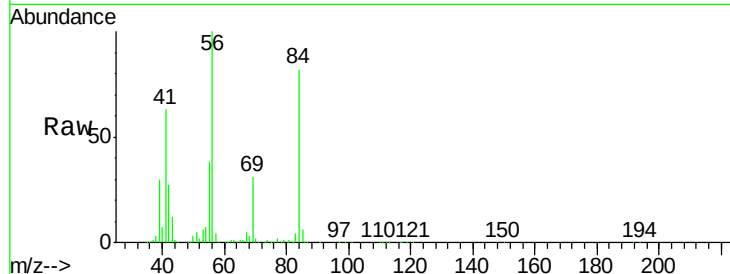
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	30.8	23.1	34.7	
84	80.5	62.0	93.0	

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#32

1,1,1-Trichloroethane

Concen: 41.65 ug/l

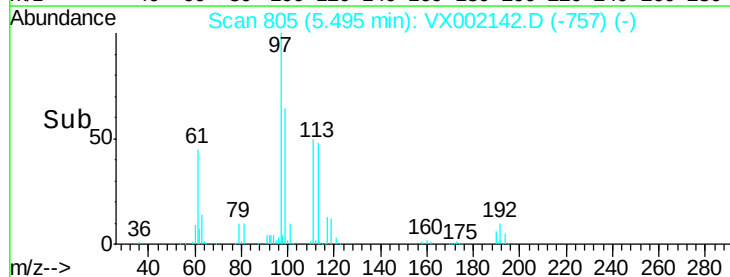
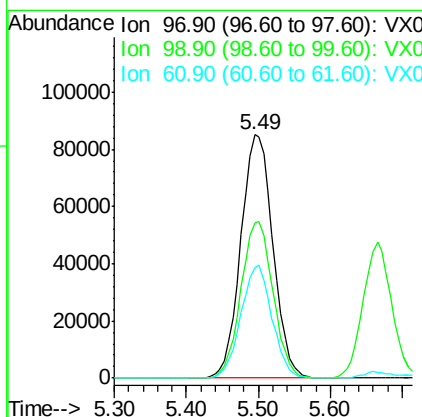
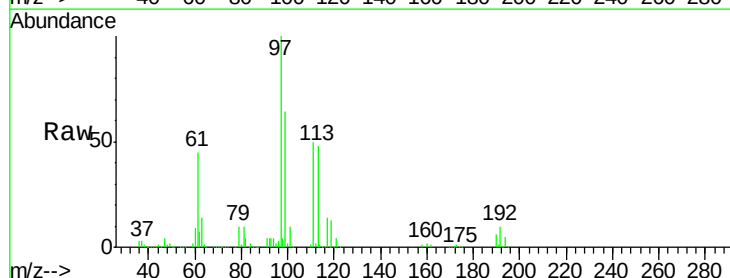
RT: 5.49 min Scan# 805

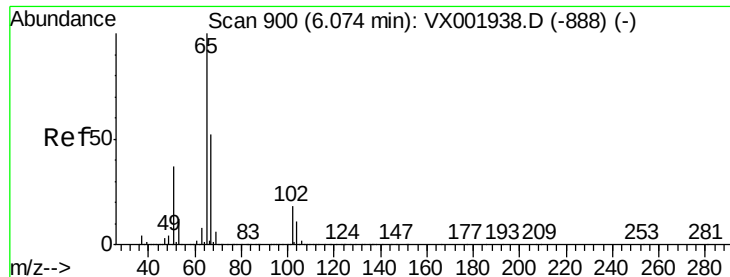
Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.2	51.9	77.9	
61	45.0	35.9	53.9	





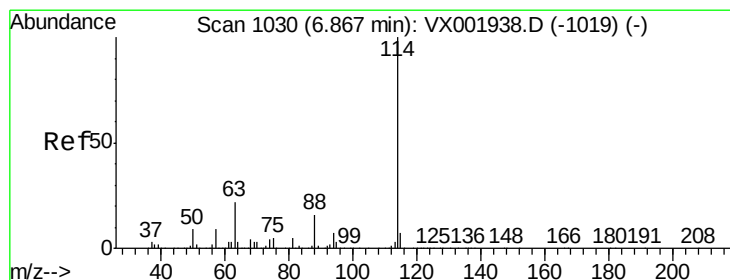
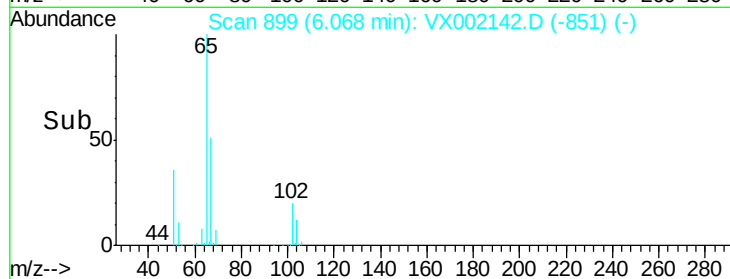
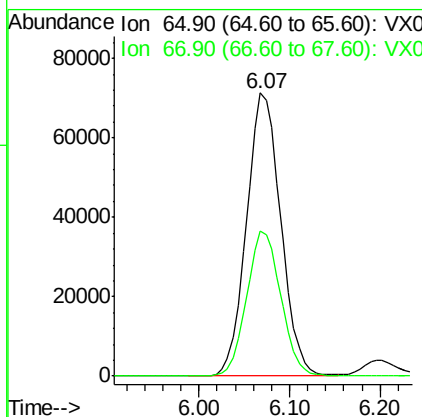
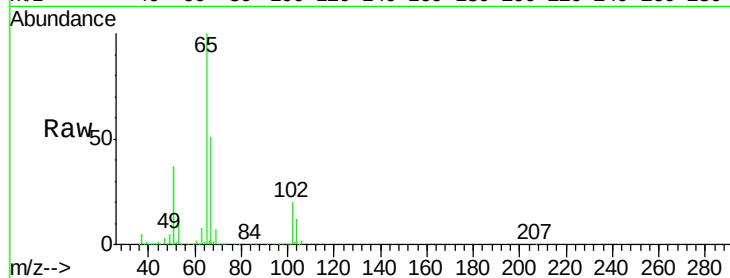
#33
 1,2-Dichloroethane-d4
 Concen: 40.95 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.0

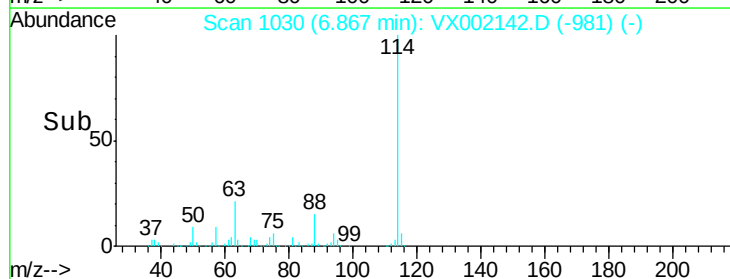
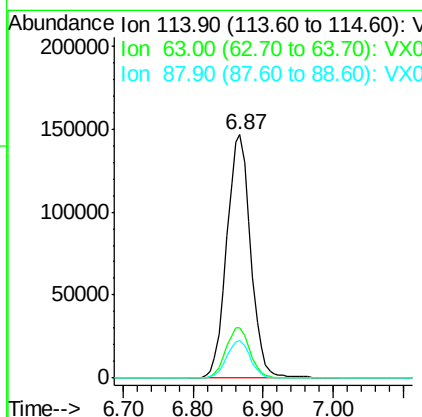
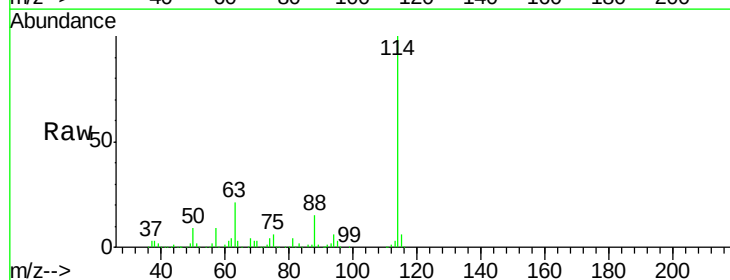
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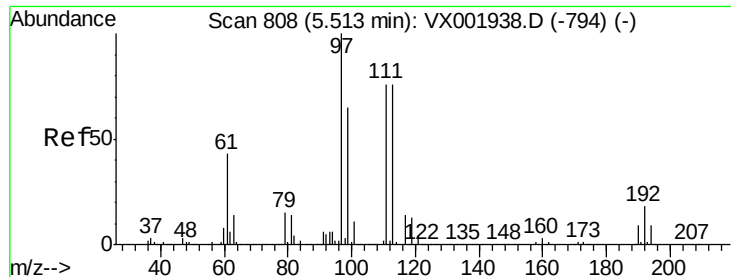
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.2
88	15.2	0.0	31.6





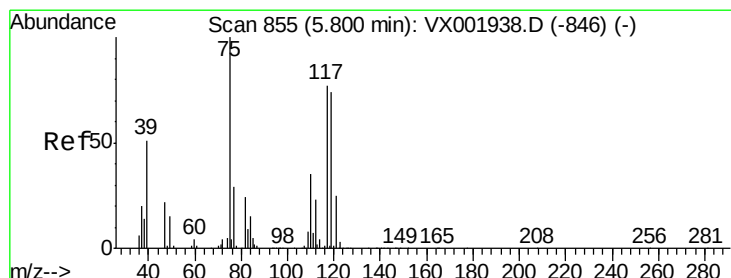
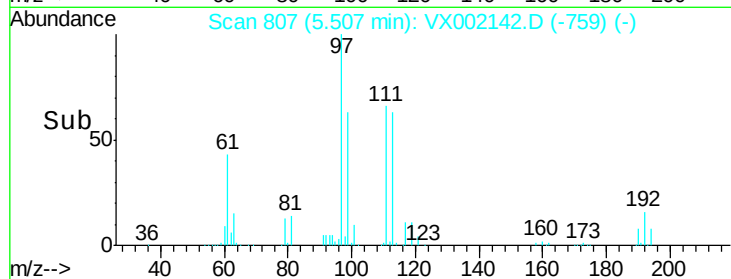
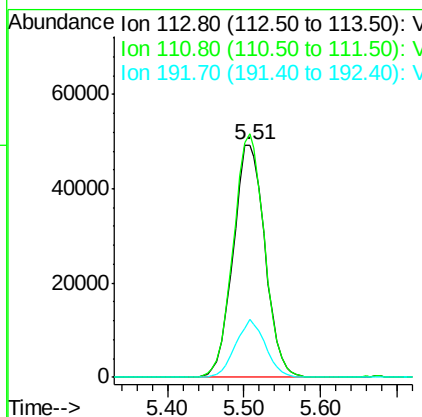
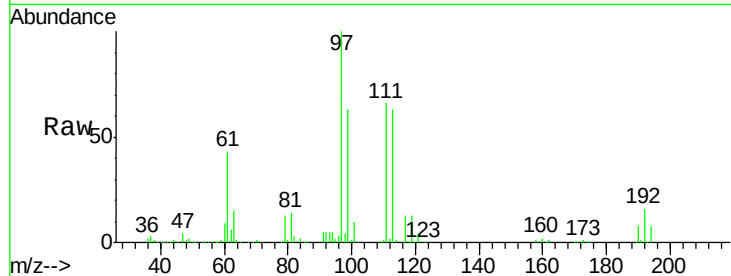
#35
 Dibromofluoromethane
 Concen: 40.76 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142082		
111	102.4	82.0	123.0	
192	23.3	18.9	28.3	

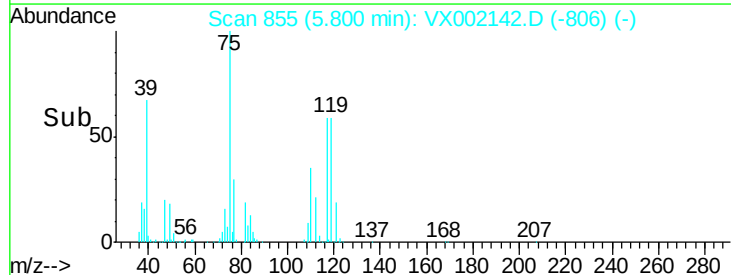
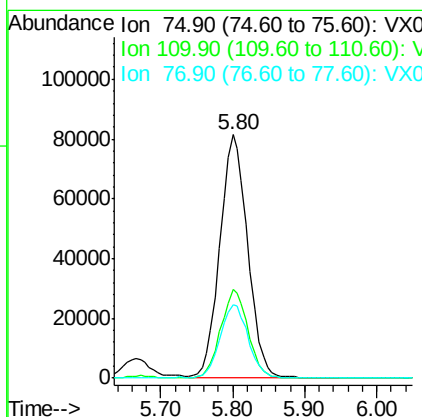
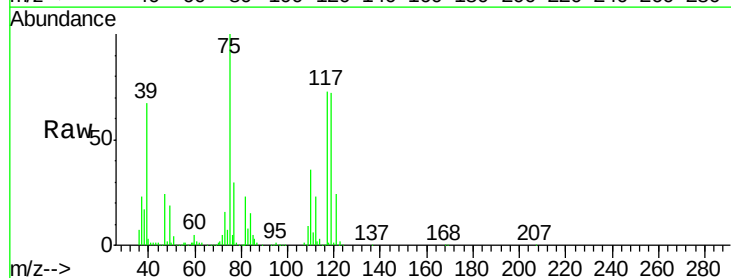
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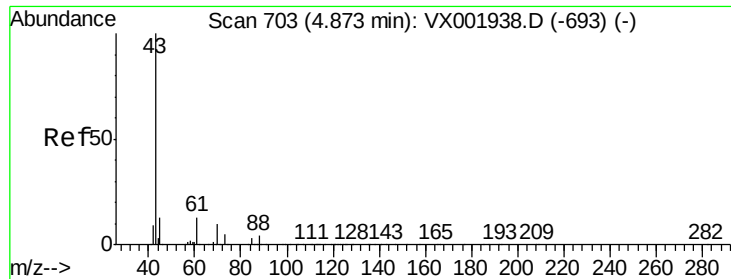
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#36
 1,1-Dichloropropene
 Concen: 44.90 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	217716		
110	35.8	17.4	52.2	
77	30.7	24.4	36.6	





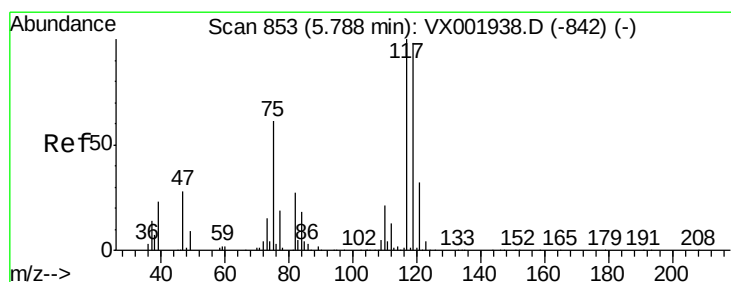
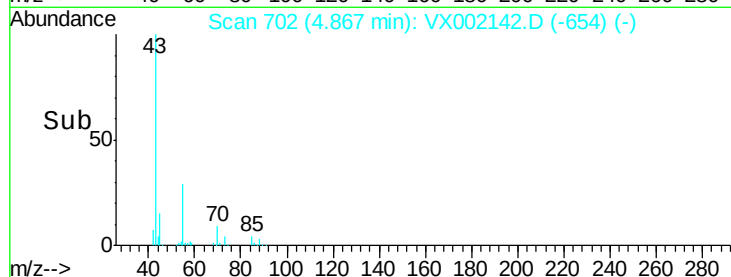
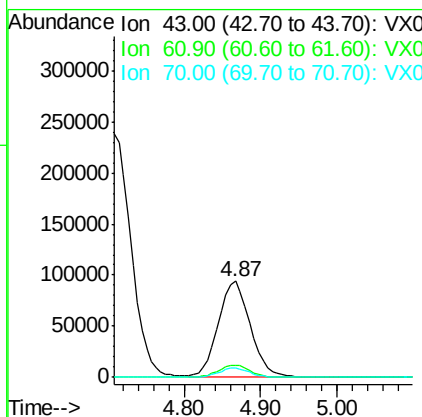
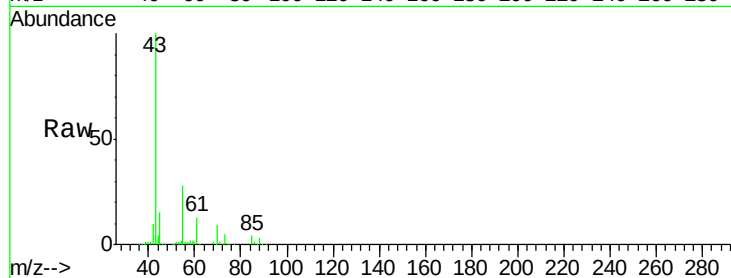
#37
Ethyl Acetate
Concen: 43.01 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	9.3	7.8	11.8

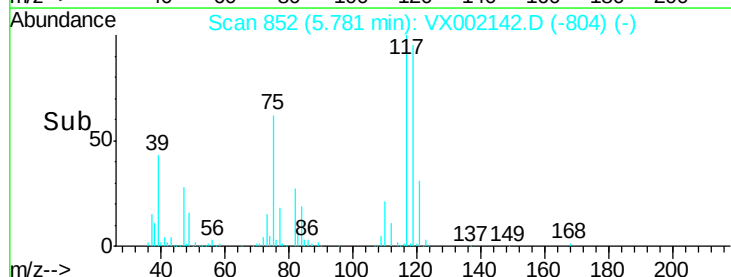
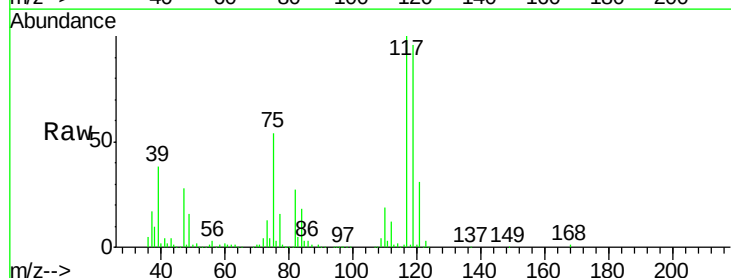
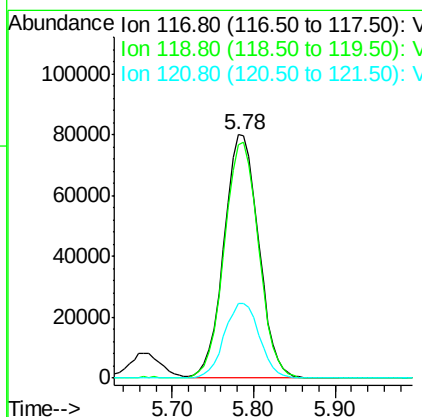
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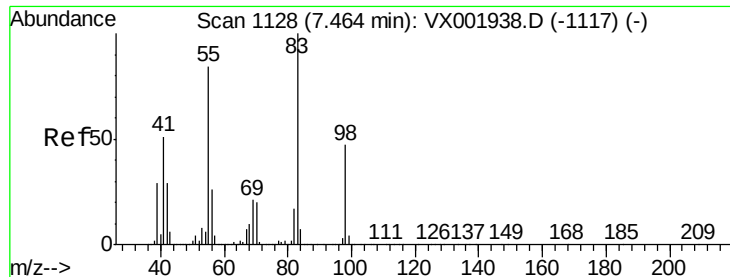
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#38
Carbon Tetrachloride
Concen: 41.63 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.5	117.7
121	30.9	25.5	38.3





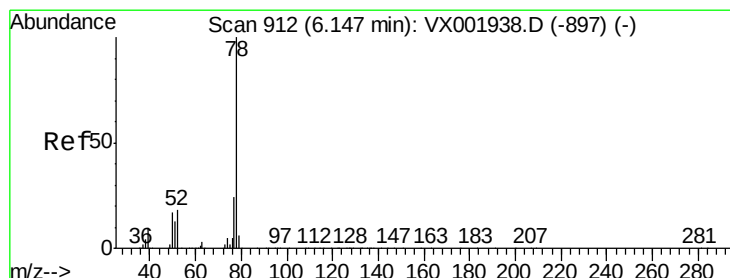
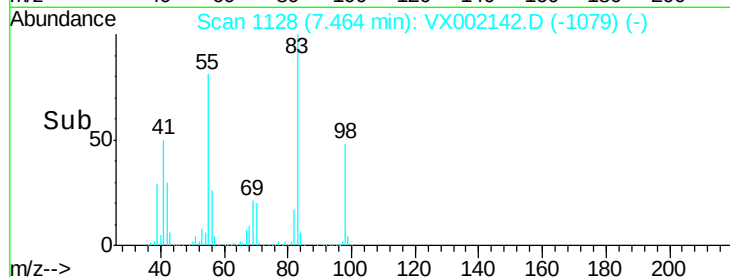
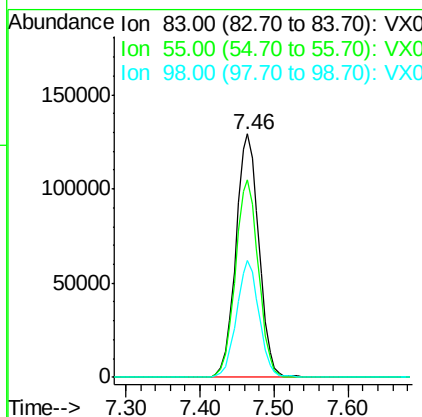
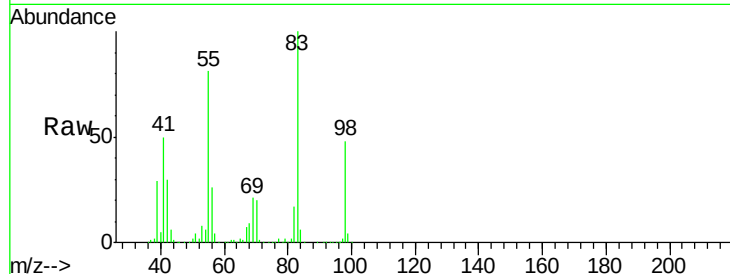
#39
Methylvlcyclohexane
Concen: 47.08 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	280455		
55	80.9		67.3	100.9
98	47.9		37.5	56.3

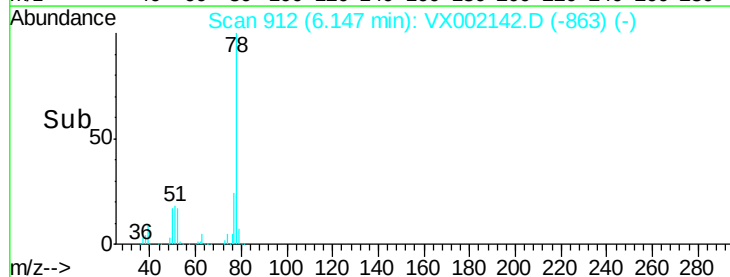
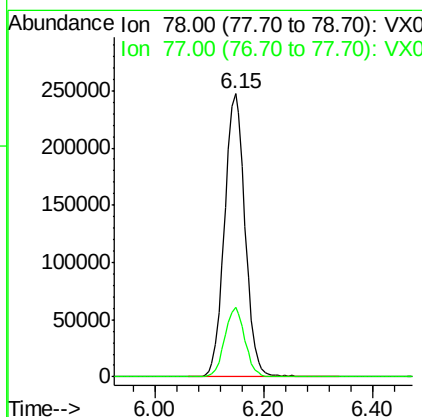
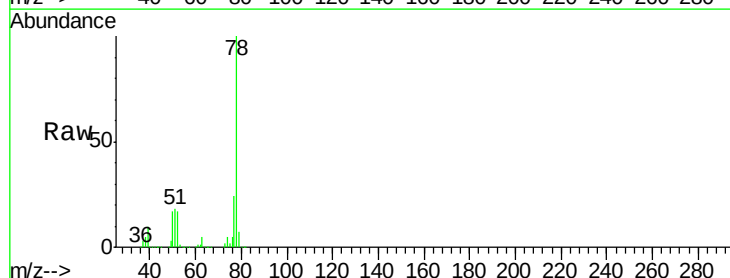
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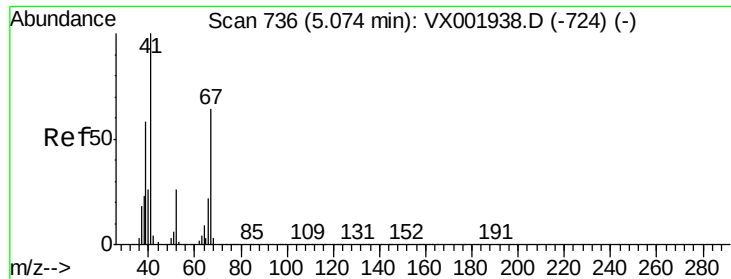
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#40
Benzene
Concen: 45.85 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	651294		
77	24.4		19.1	28.7





#41

Methacrylonitrile

Concen: 46.07 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

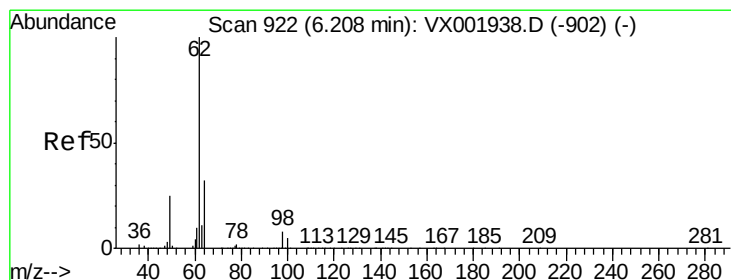
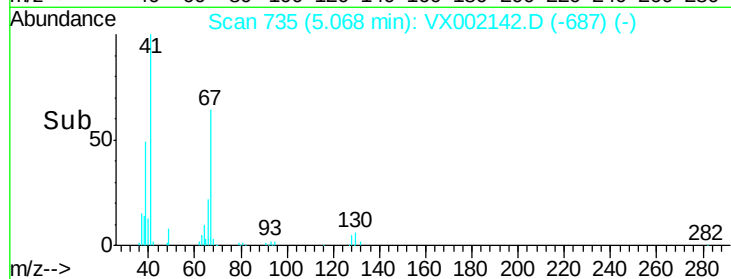
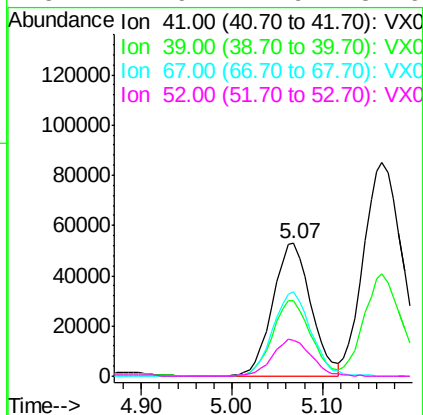
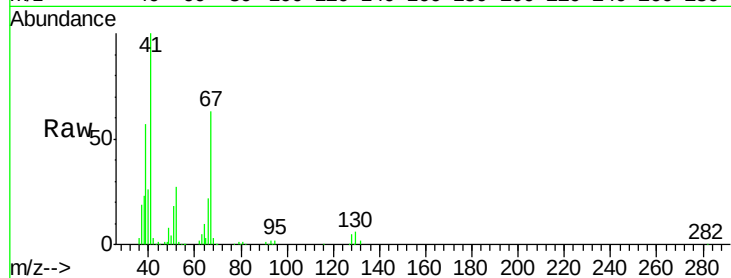
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	56.9	46.0	69.0		
67	64.3	50.6	75.8		
52	27.9	21.9	32.9		

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#42

1,2-Dichloroethane

Concen: 45.66 ug/l

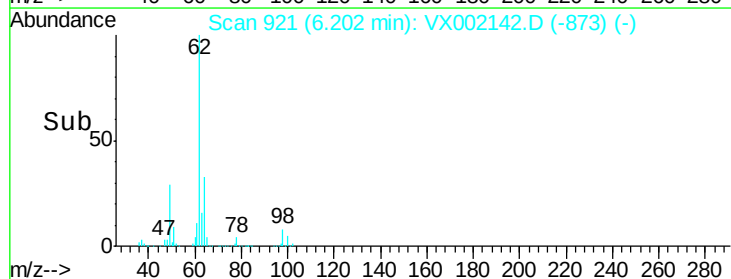
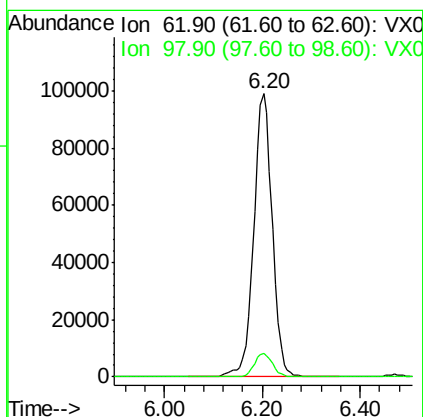
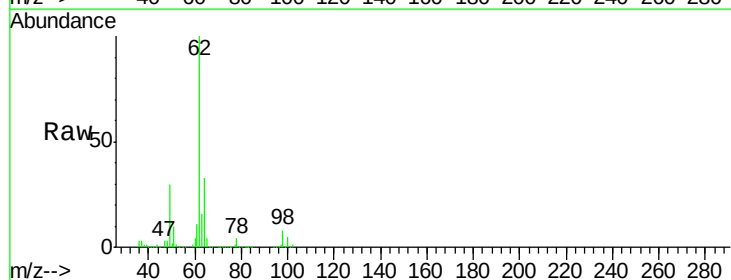
RT: 6.20 min Scan# 921

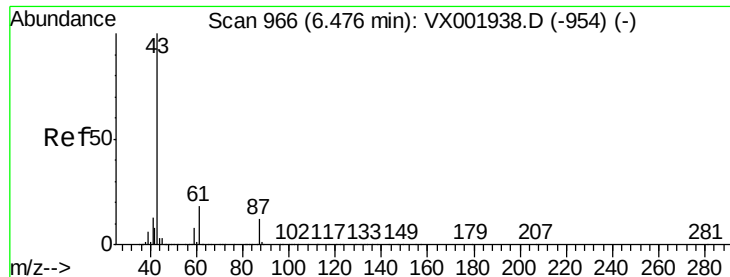
Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.2	0.0	17.0		





#43

Isopropyl Acetate

Concen: 44.41 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

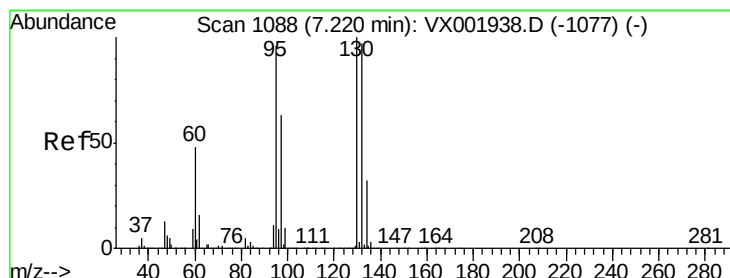
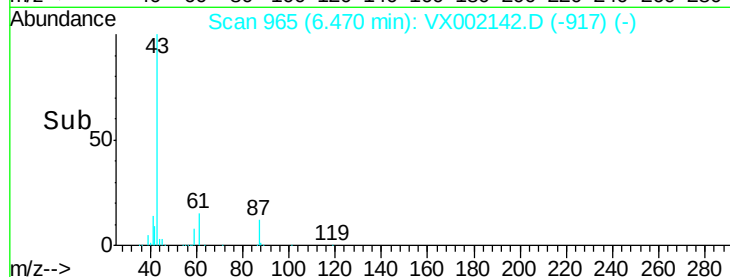
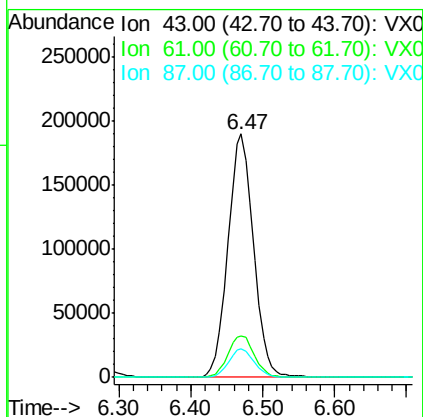
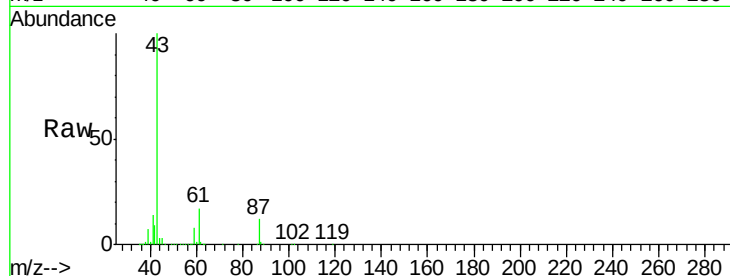
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	467749
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.5	21.7
87	11.7	9.5	14.3

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#44

Trichloroethene

Concen: 45.63 ug/l

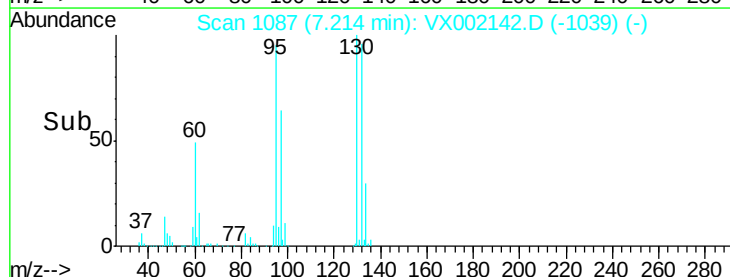
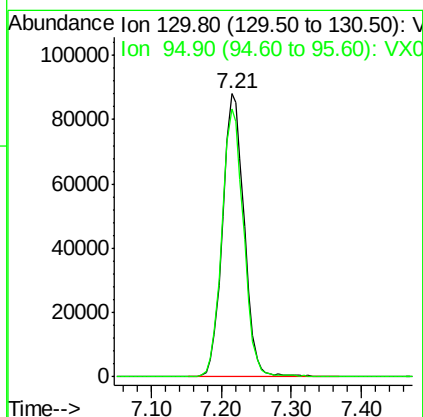
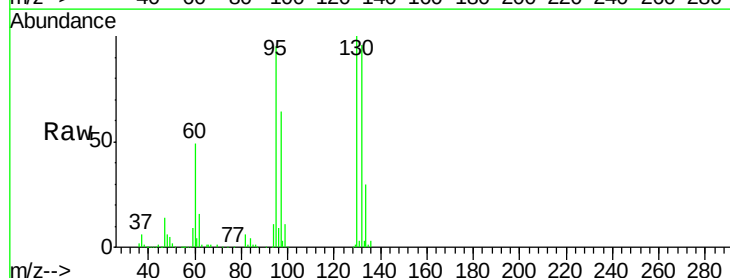
RT: 7.21 min Scan# 1087

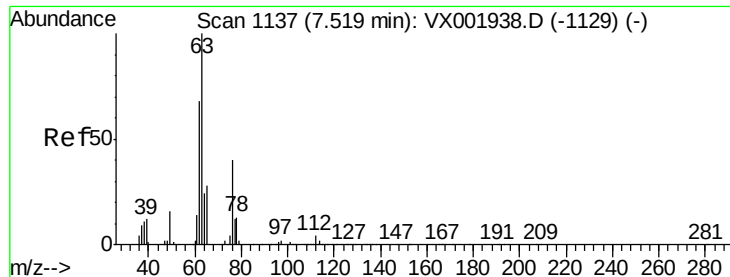
Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Tgt Ion:	130	Resp:	188858
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	192.0





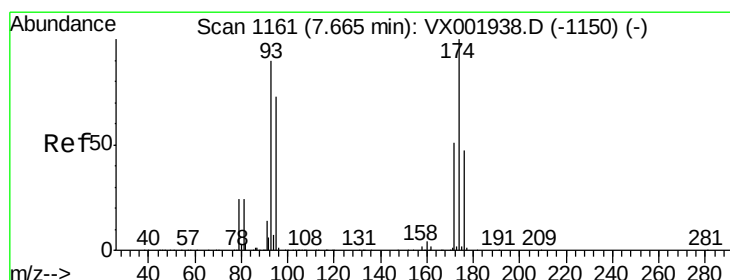
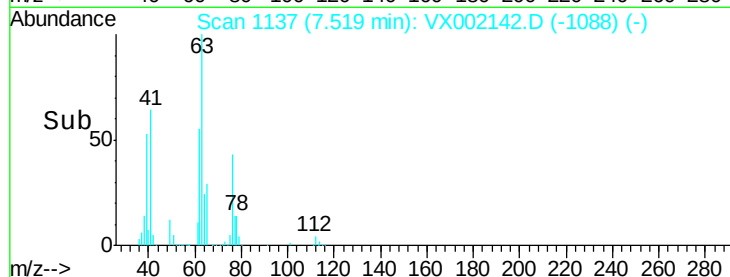
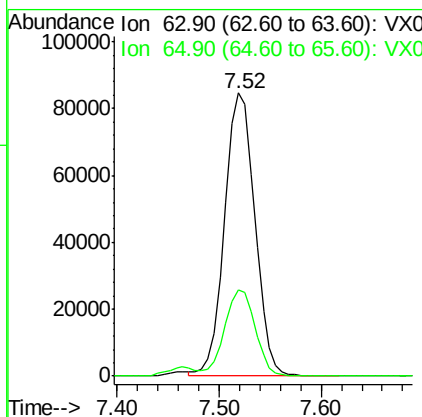
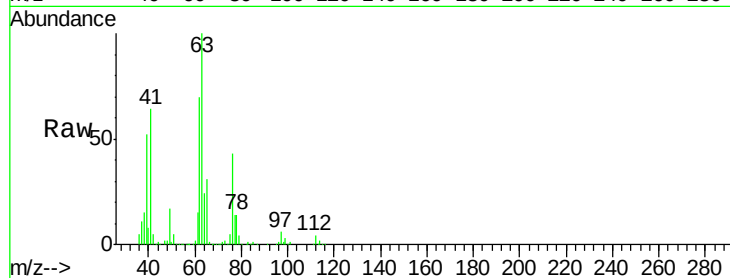
#45
 1,2-Dichloropropane
 Concen: 45.06 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.1	36.1

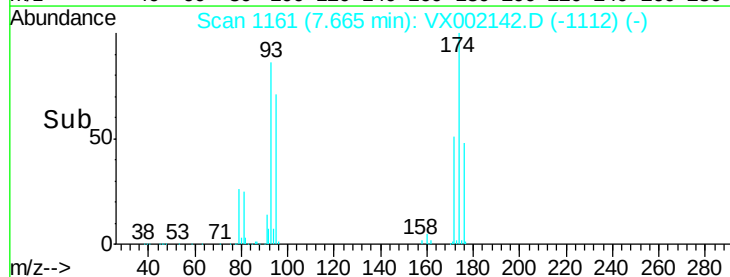
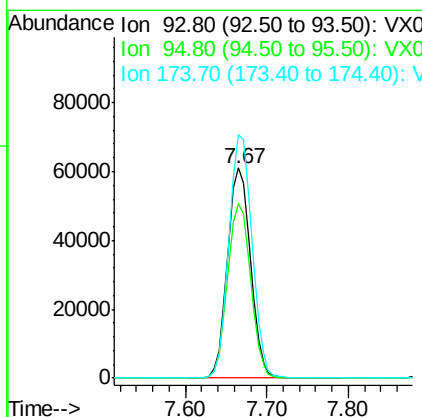
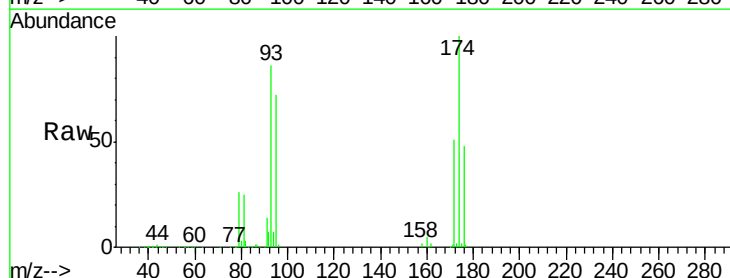
Manual Integrations
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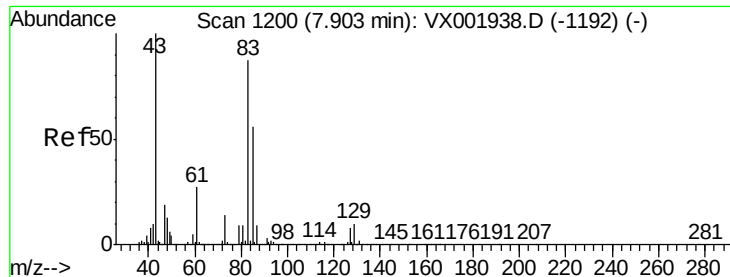
MMDadoda
 5/31/2018 3:07:46 PM



#46
 Dibromomethane
 Concen: 46.42 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.1	99.1
174	116.3	92.5	138.7





#47

Bromodichloromethane

Concen: 41.72 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

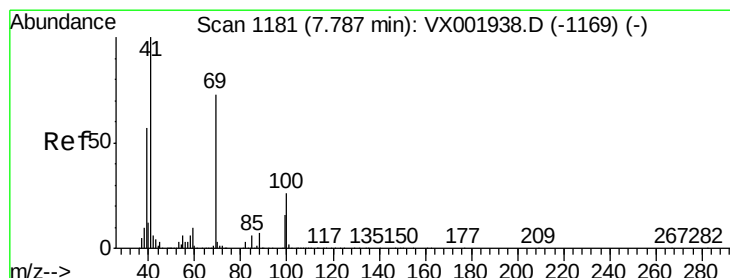
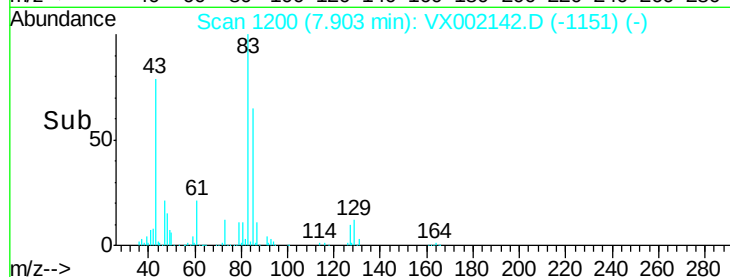
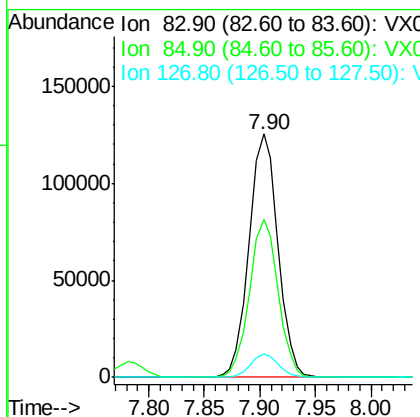
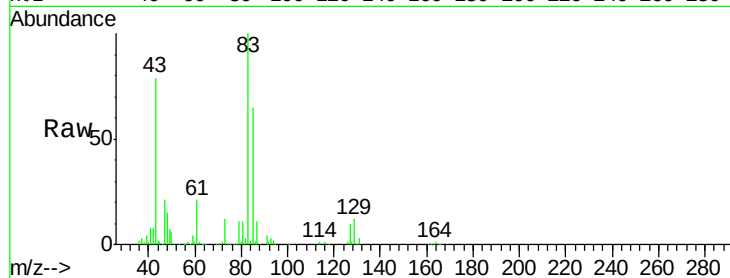
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	227167
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2
127	9.7	7.1	10.7

Manual Integrations
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MMDadoda
5/31/2018 3:07:46 PM



#48

Methyl methacrylate

Concen: 44.55 ug/l

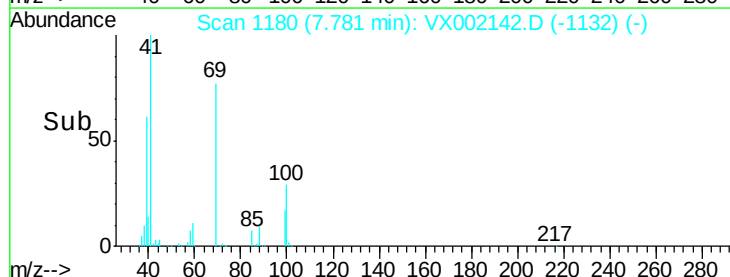
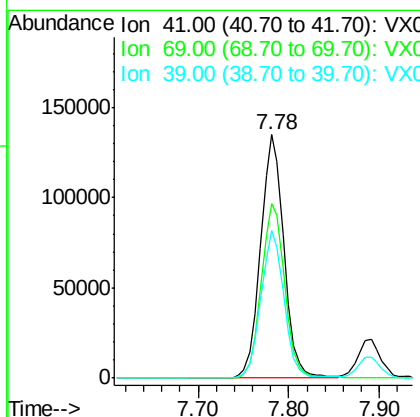
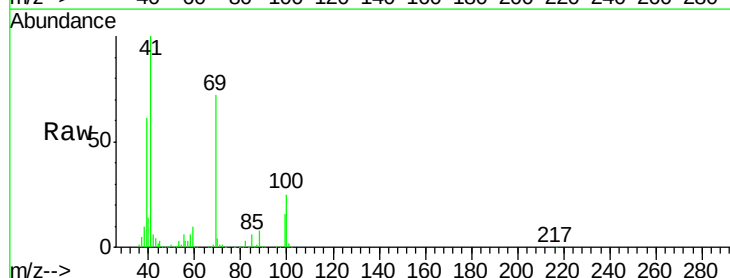
RT: 7.78 min Scan# 1180

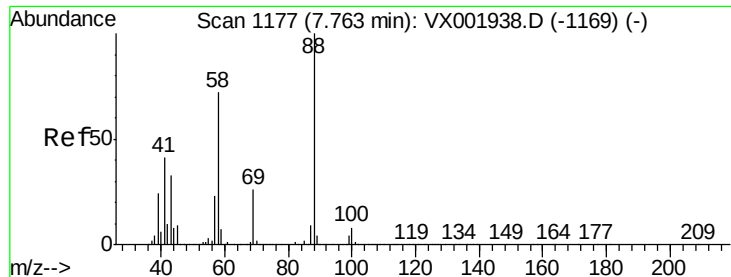
Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Tgt Ion:	41	Resp:	238785
Ion	Ratio	Lower	Upper
41	100		
69	72.7	58.6	87.8
39	59.8	46.3	69.5





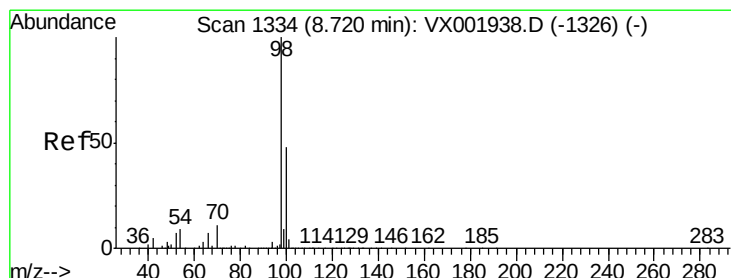
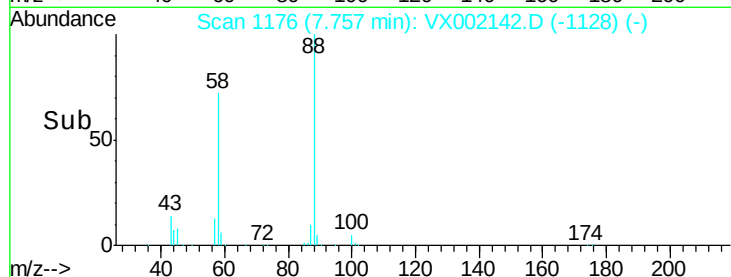
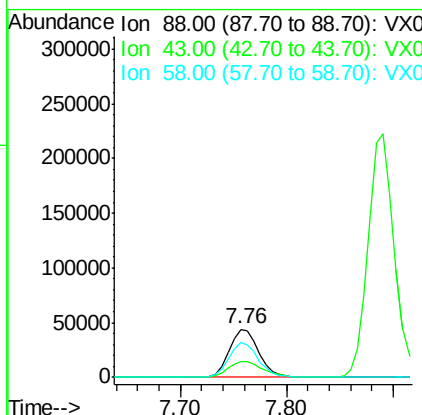
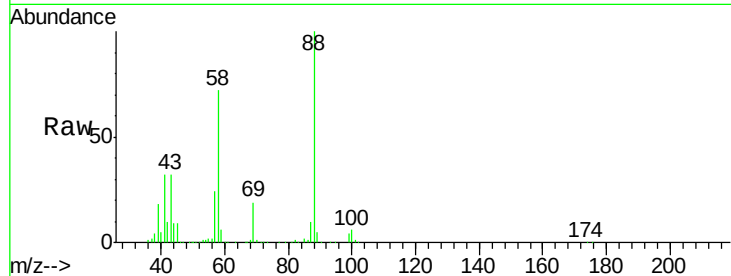
#49
1,4-Dioxane
Concen: 897.44 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	29.8	44.8
58	73.5	58.7	88.1

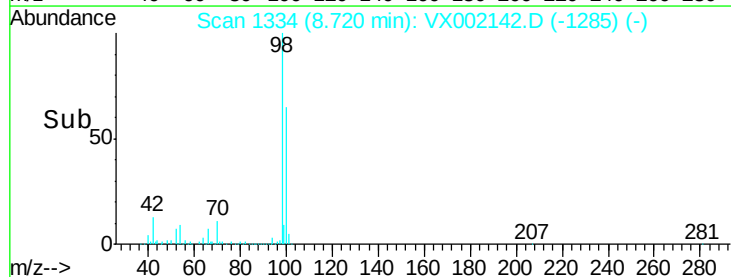
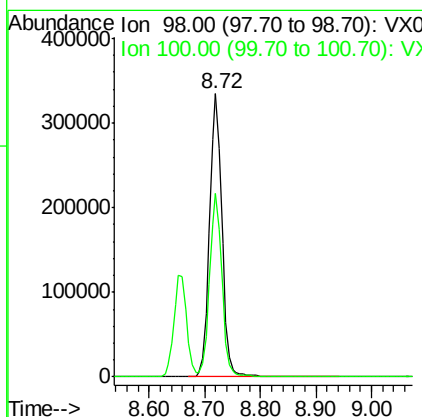
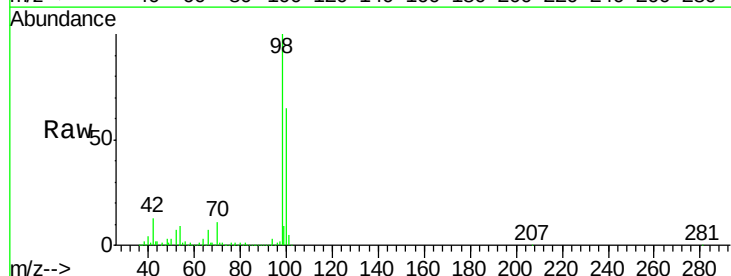
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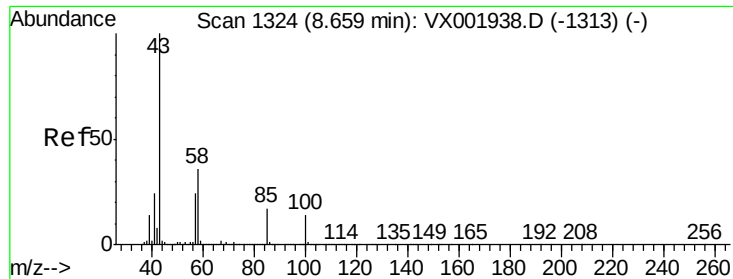
MMDadoda
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#50
Toluene-d8
Concen: 41.62 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.5	77.3





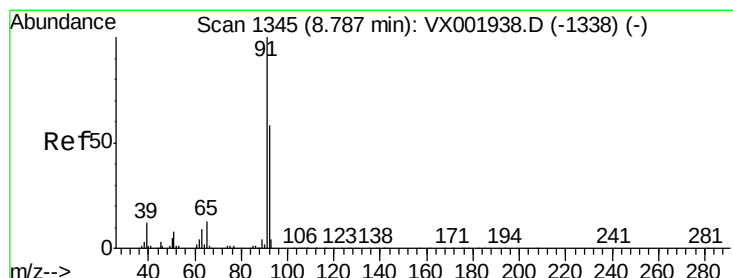
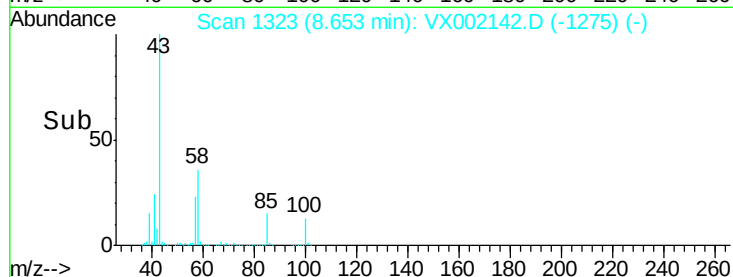
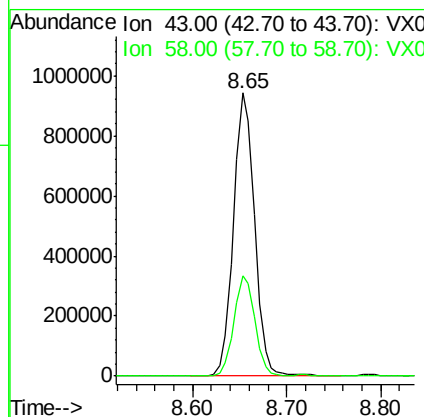
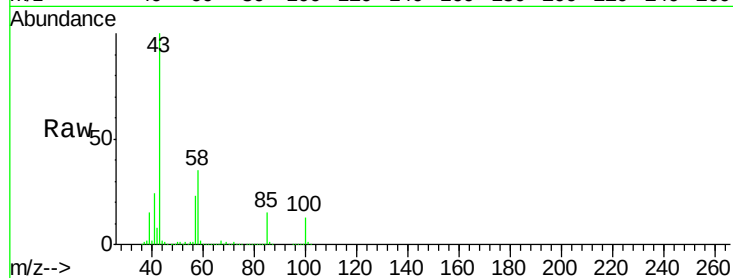
#51
 4-Methyl-2-Pentanone
 Concen: 231.36 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1468870
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.5 42.7

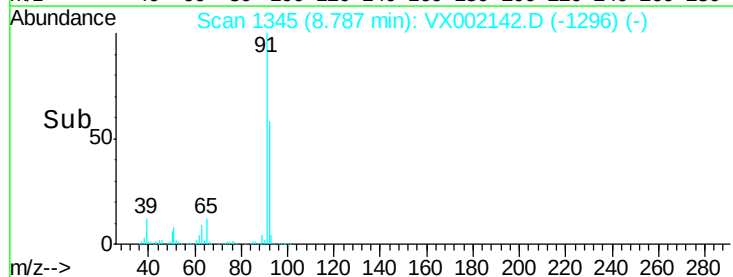
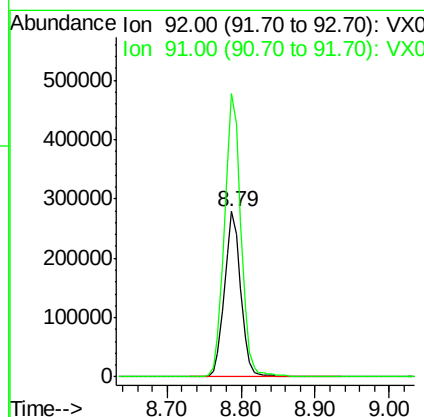
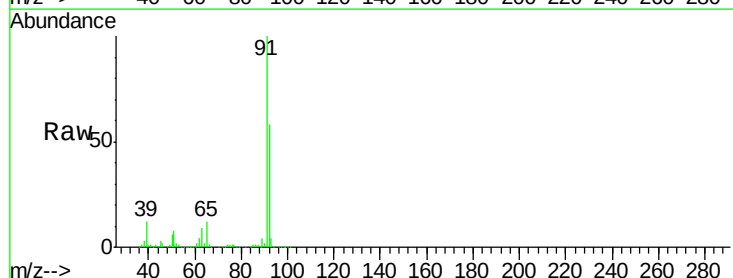
Manual Integrations
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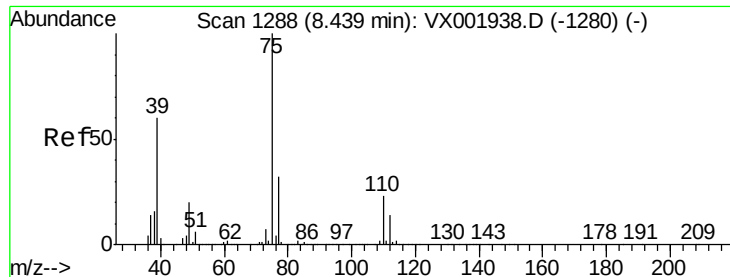
MMDadoda
 5/31/2018 3:07:46 PM



#52
 Toluene
 Concen: 46.95 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion: 92 Resp: 424436
 Ion Ratio Lower Upper
 92 100
 91 173.8 139.4 209.2





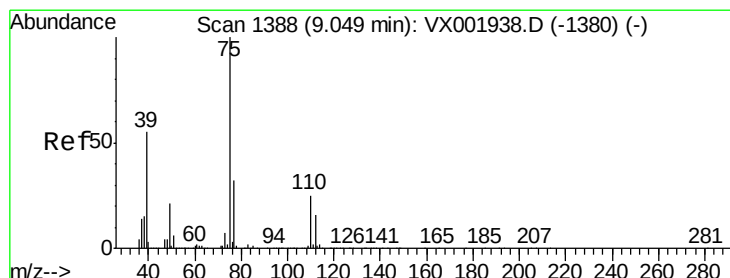
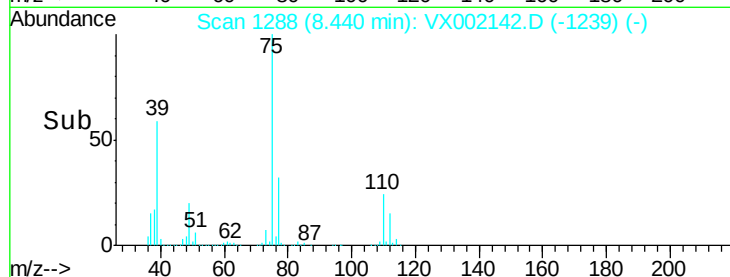
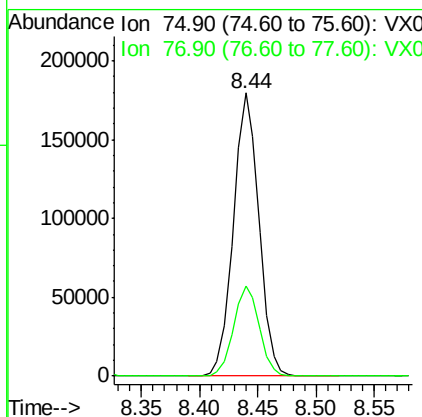
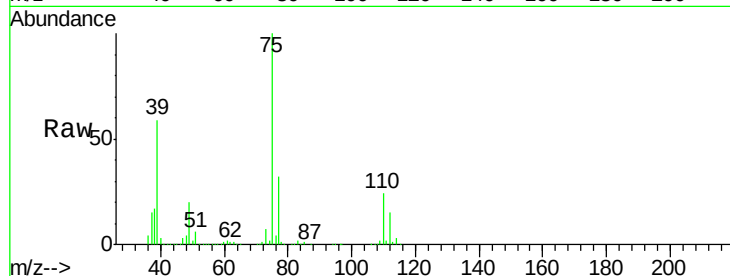
#53
t-1,3-Dichloropropene
Concen: 43.89 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3

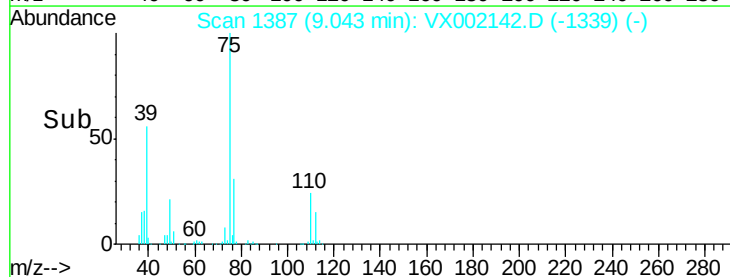
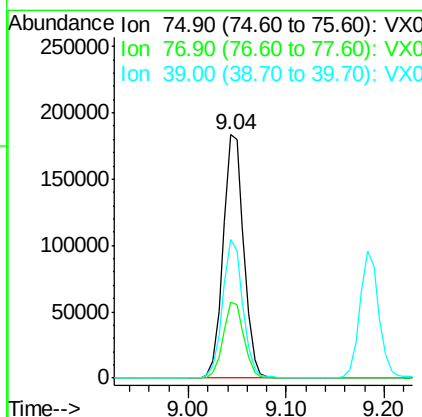
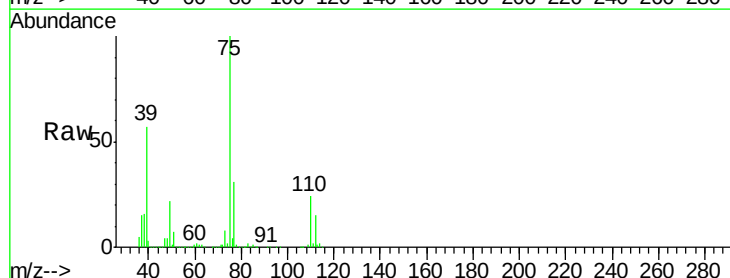
Manual Integrations
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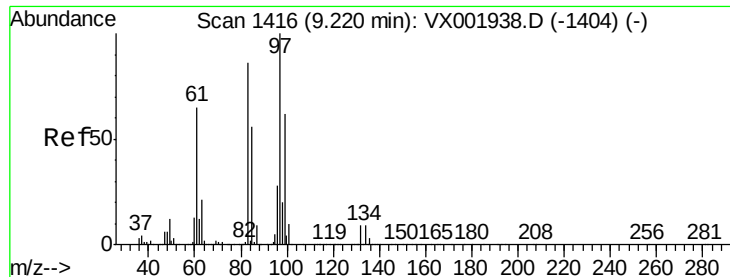
MMDadoda
5/31/2018 3:07:46 PM



#54
cis-1,3-Dichloropropene
Concen: 43.71 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	56.6	44.1	66.1





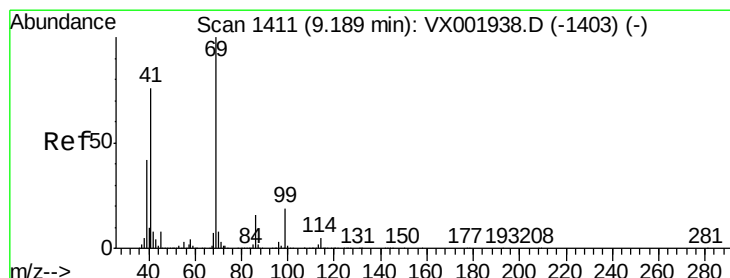
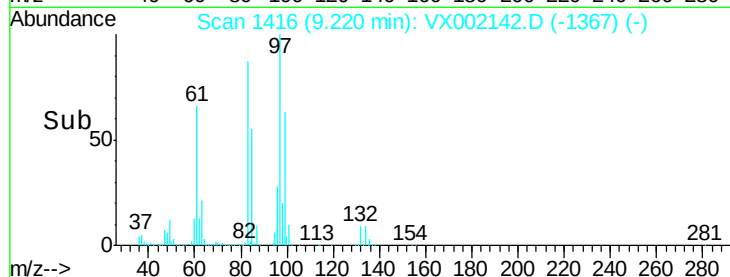
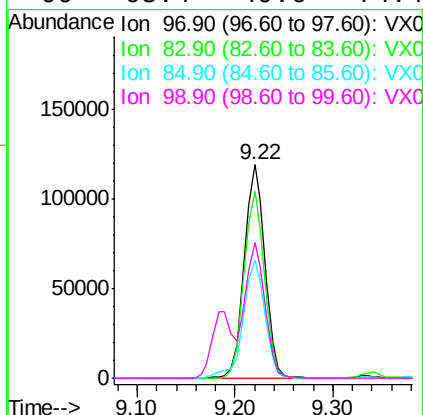
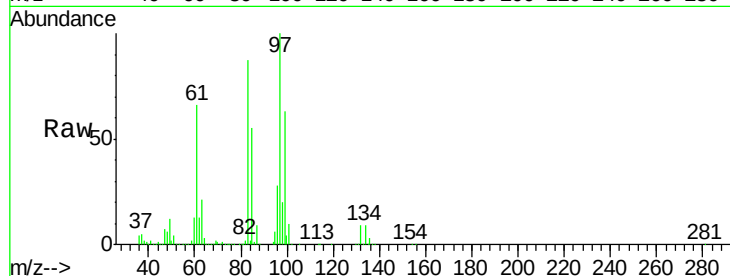
#55
 1,1,2-Trichloroethane
 Concen: 46.12 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	174175
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.1	103.7
85	55.3	45.2	67.8
99	63.4	49.6	74.4

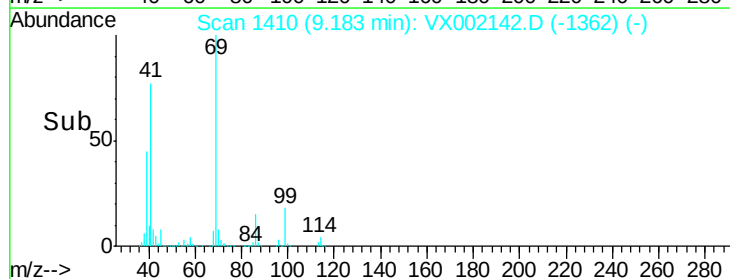
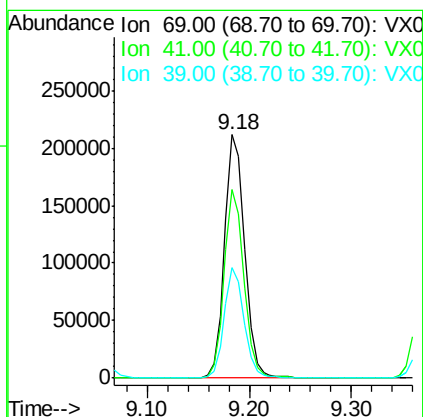
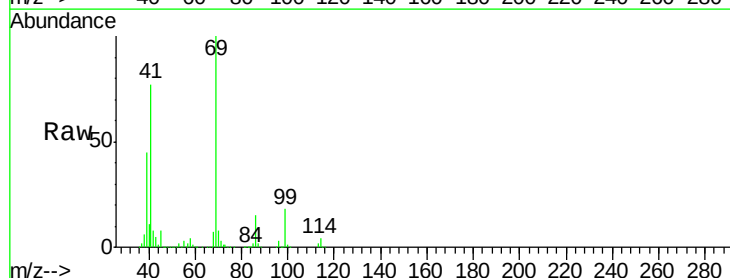
Manual Integrations
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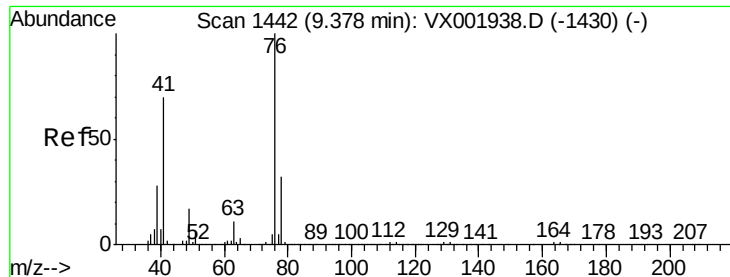
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 5/31/2018 3:07:46 PM



#56
 Ethyl methacrylate
 Concen: 44.76 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion:	69	Resp:	290747
Ion	Ratio	Lower	Upper
69	100		
41	75.9	61.0	91.6
39	44.6	34.4	51.6





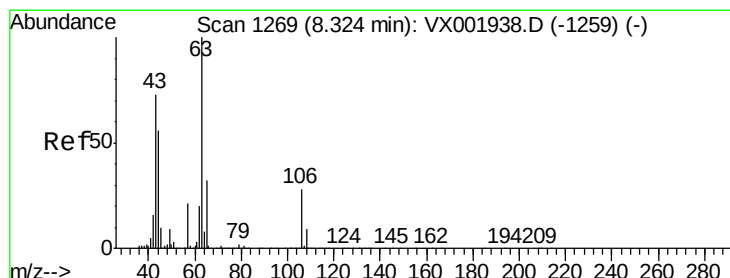
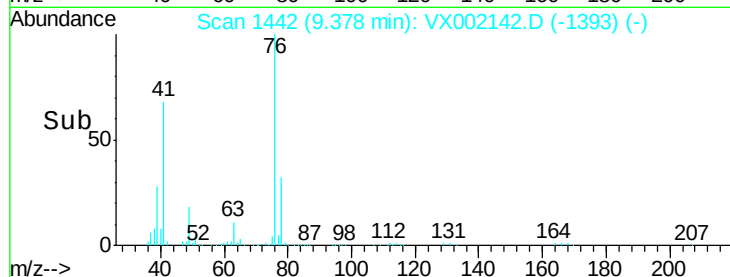
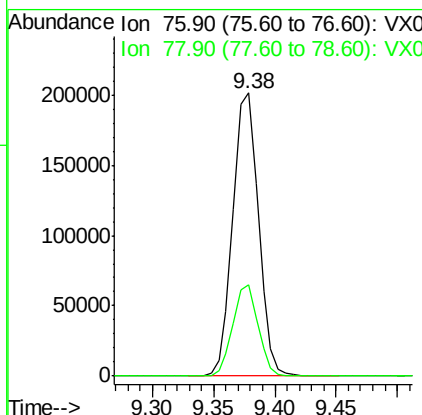
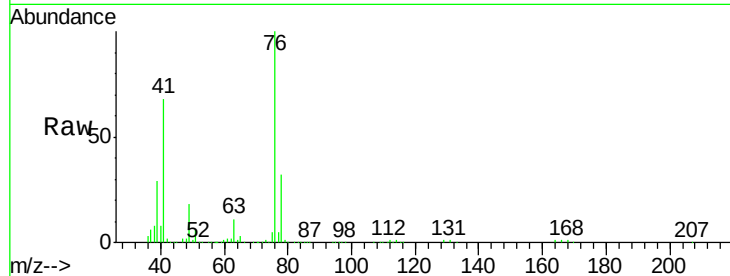
#57
 1,3-Dichloropropane
 Concen: 47.05 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.6	38.4

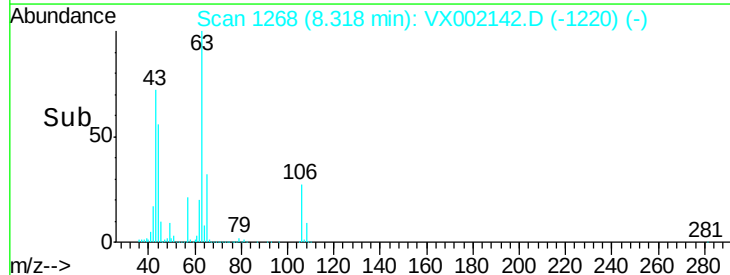
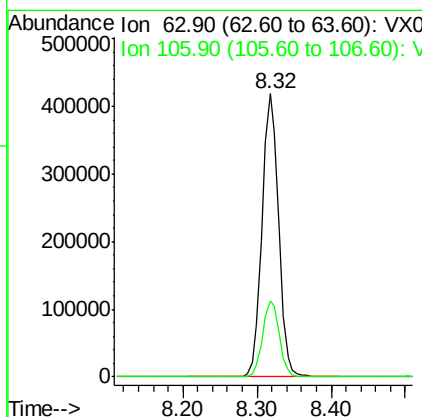
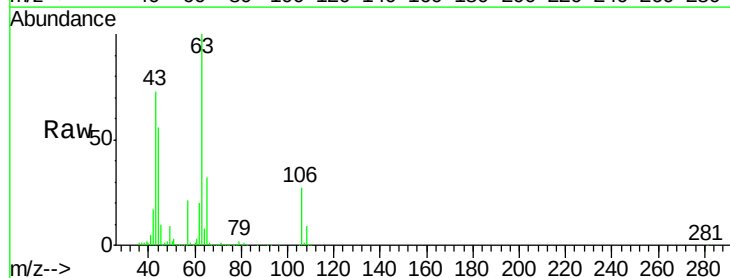
Manual Integrations
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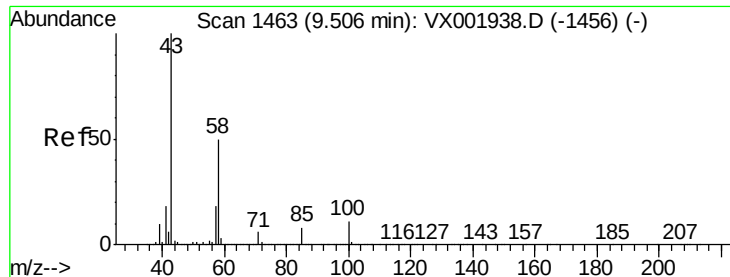
MMDadoda
 5/31/2018 3:07:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.69 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5





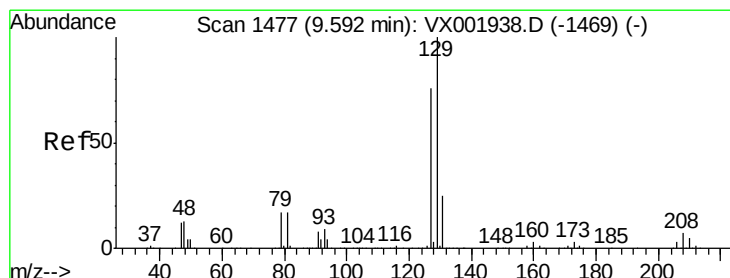
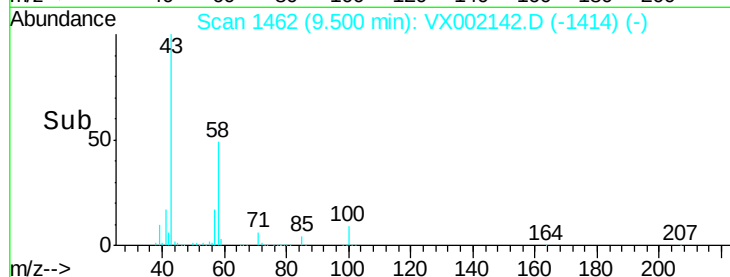
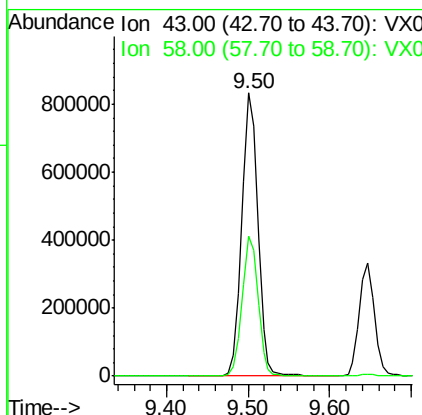
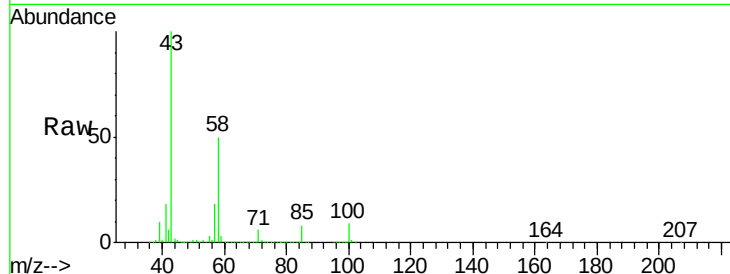
#59
2-Hexanone
Concen: 230.74 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1129590
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6

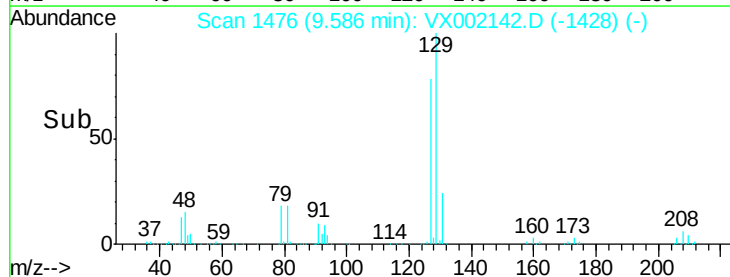
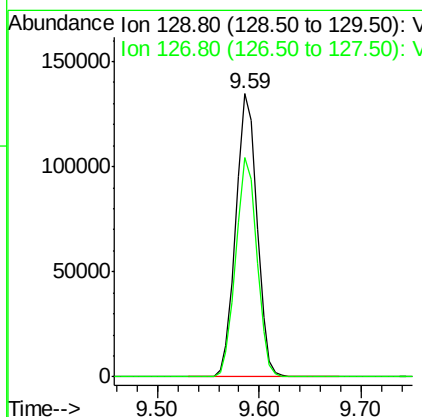
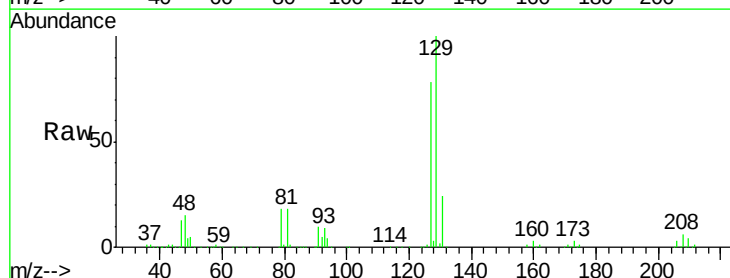
Manual Integrations
APPROVED

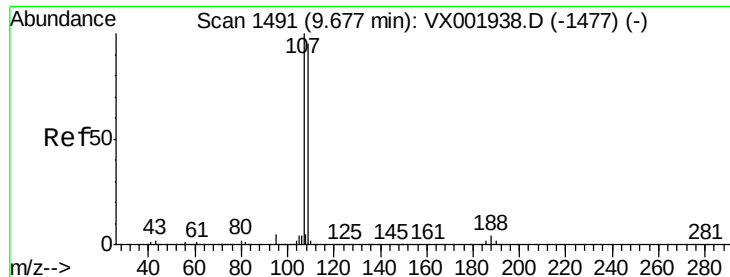
MMDadoda
5/31/2018 3:07:46 PM



#60
Dibromochloromethane
Concen: 42.88 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Tgt Ion: 129 Resp: 191780
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





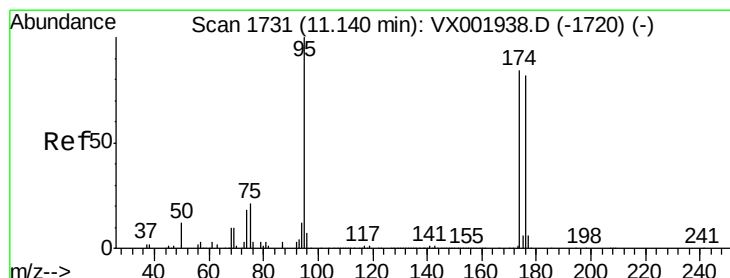
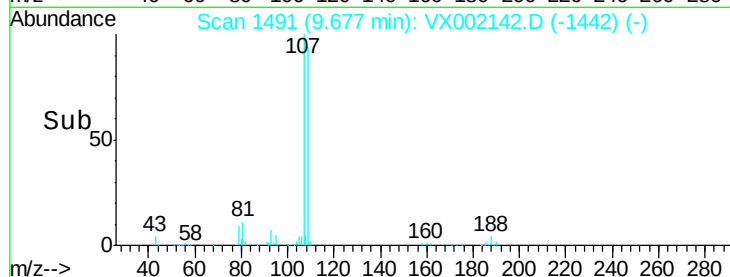
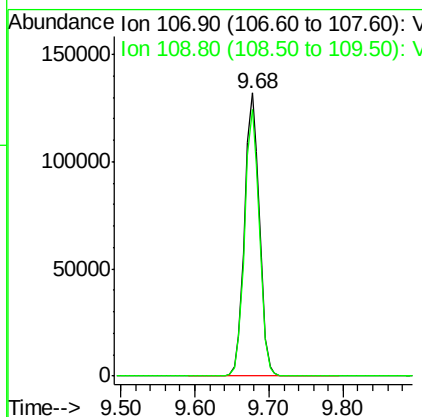
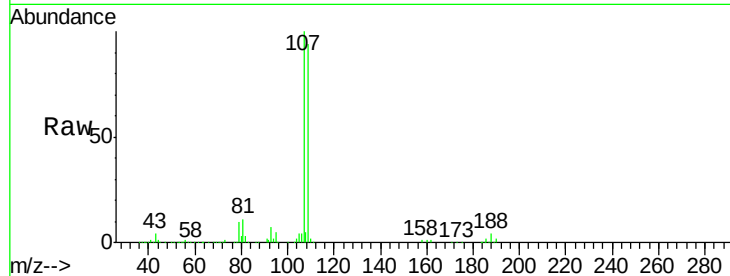
#61
 1,2-Dibromoethane
 Concen: 46.97 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	186122		
109	93.7	75.3	112.9	

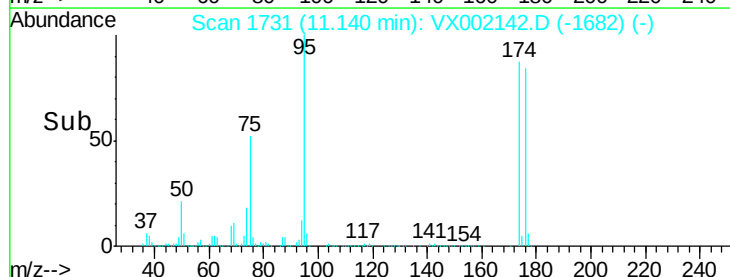
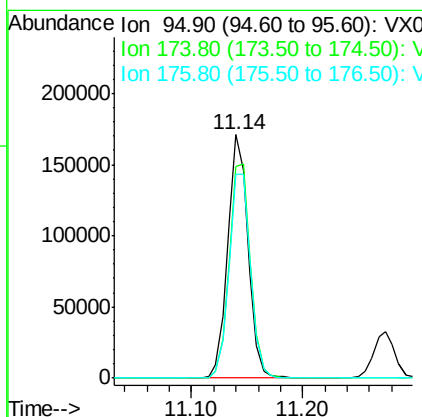
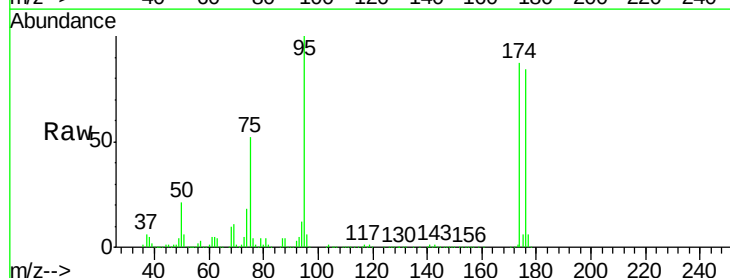
Manual Integrations
 APPROVED

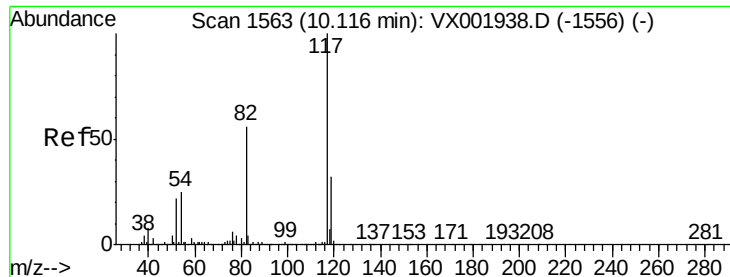
MMDadoda
 5/31/2018 3:07:46 PM



#62
 4-Bromofluorobenzene
 Concen: 43.62 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	215390		
174	91.8	0.0	178.8	
176	88.7	0.0	175.6	





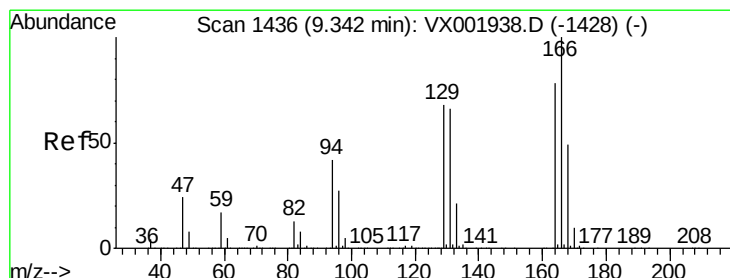
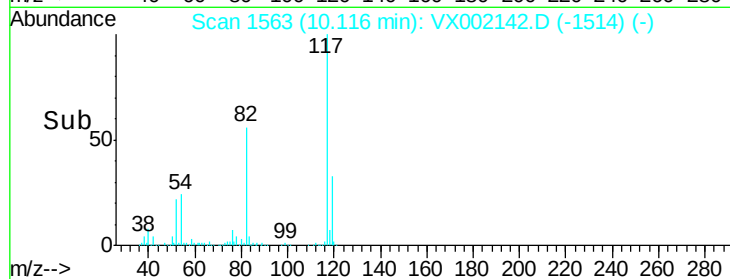
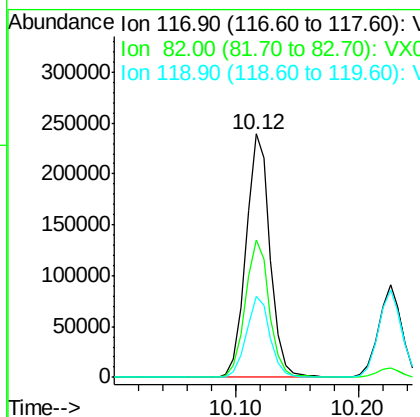
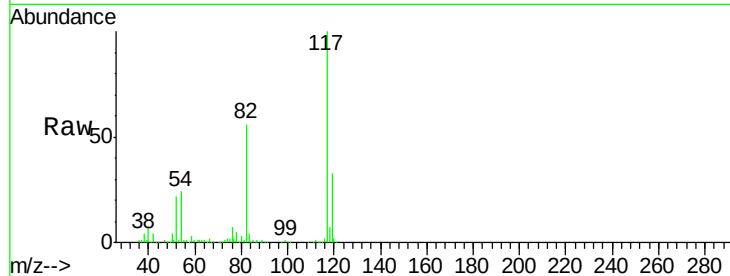
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.8	67.2
119	33.0	25.5	38.3

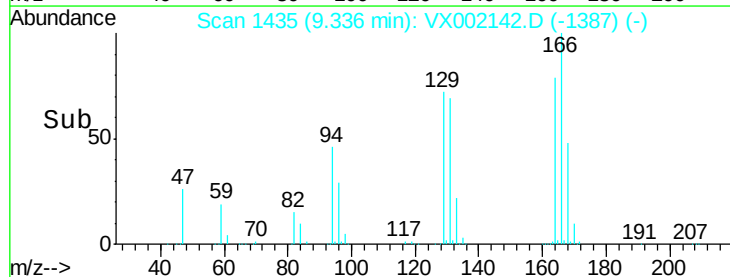
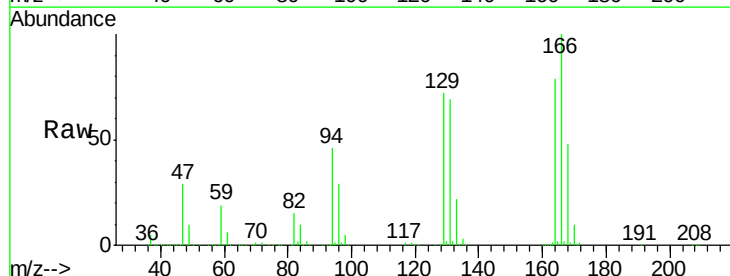
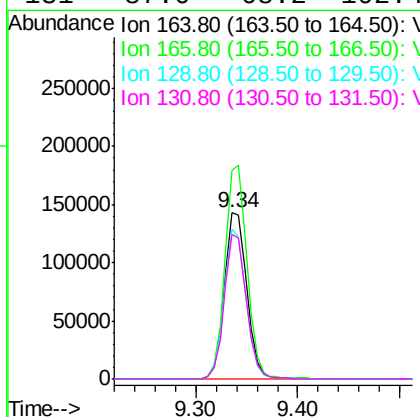
Manual Integrations
APPROVED

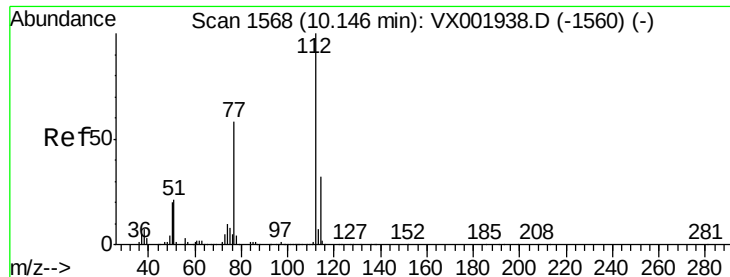
MMDadoda
5/31/2018 3:07:46 PM



#64
Tetrachloroethene
Concen: 46.34 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	102.7	154.1
129	90.4	70.3	105.5
131	87.0	68.2	102.4





#65

Chlorobenzene

Concen: 46.57 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 480946

Ion Ratio Lower Upper

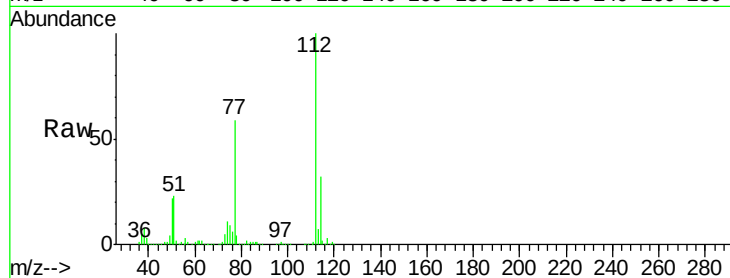
112 100

114 32.1 25.9 38.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

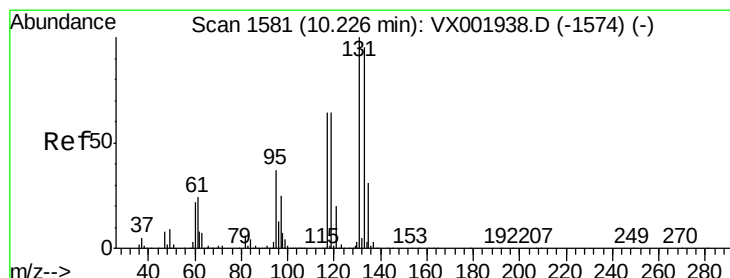
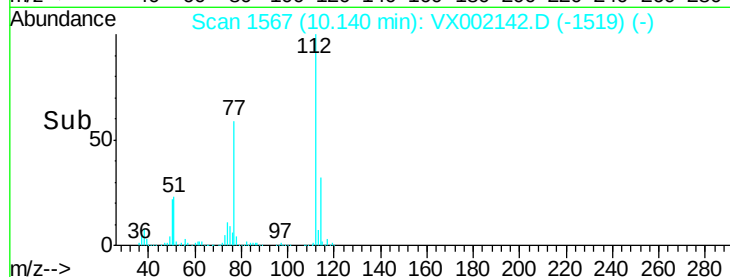
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 43.38 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

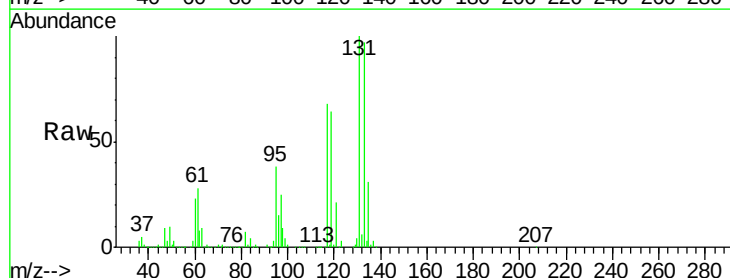
Tgt Ion:131 Resp: 180903

Ion Ratio Lower Upper

131 100

133 96.2 48.0 144.0

119 62.7 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

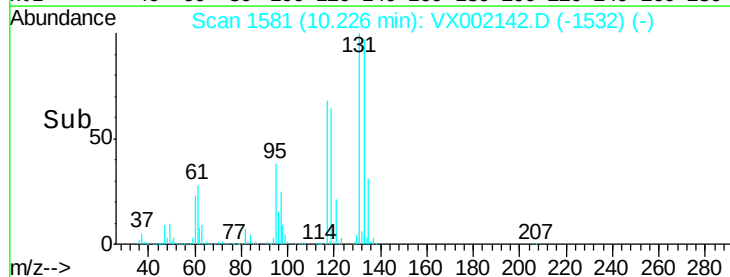
150000

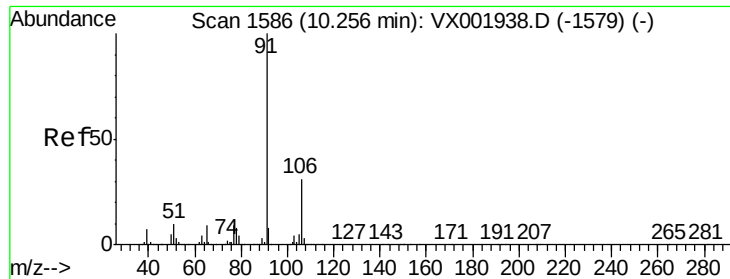
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 46.87 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 841039

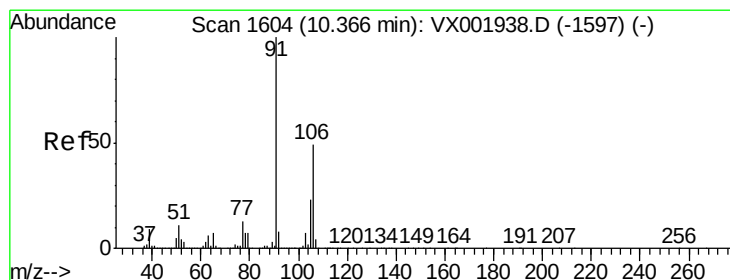
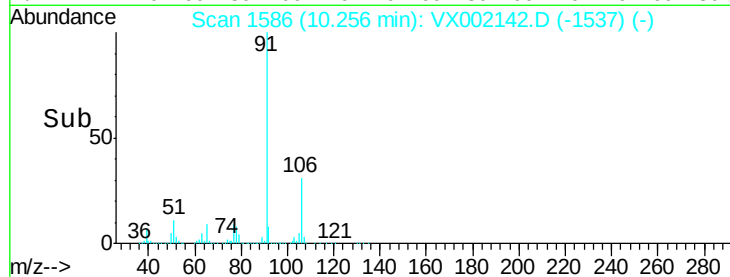
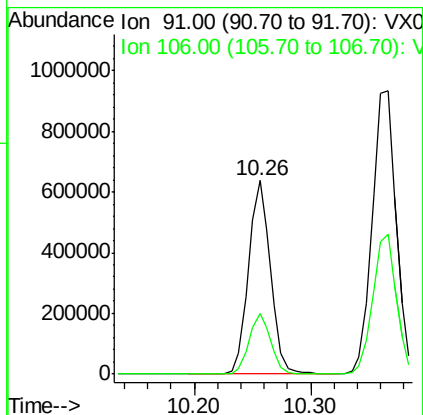
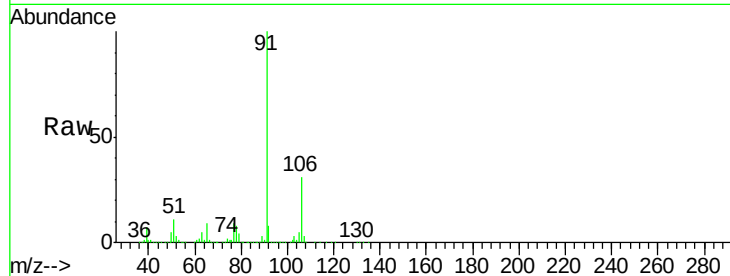
Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.6

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 95.41 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX002142.D

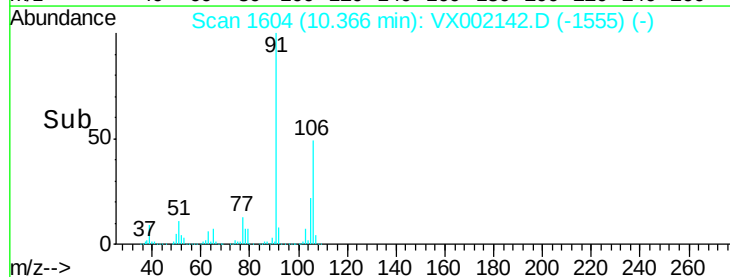
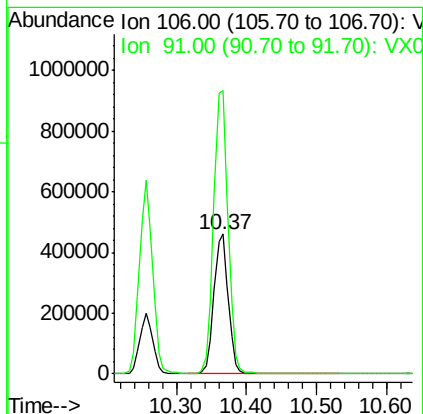
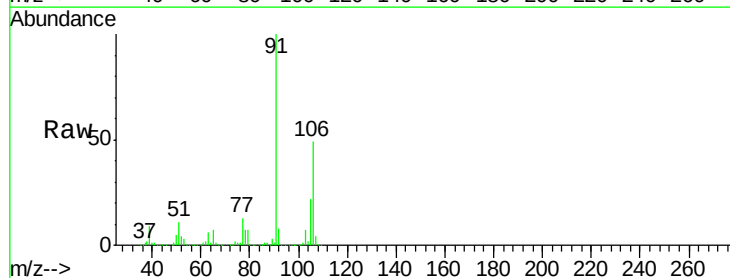
Acq: 30 May 2018 16:18

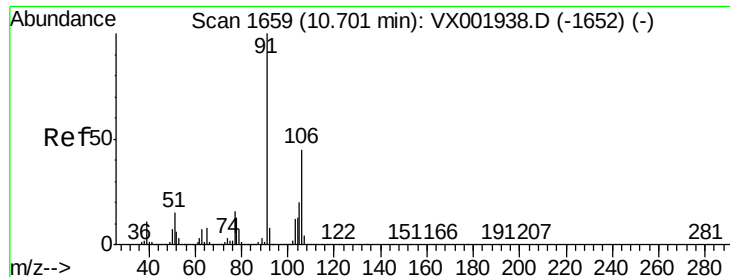
Tgt Ion: 106 Resp: 654435

Ion Ratio Lower Upper

106 100

91 205.7 165.0 247.6





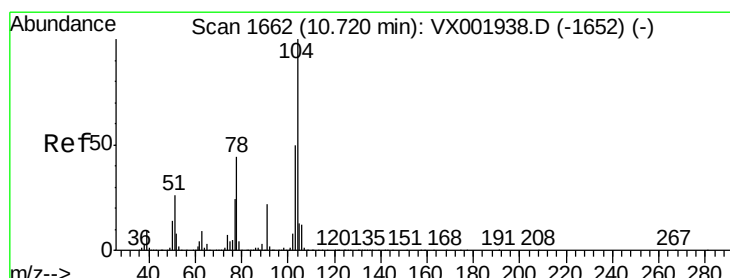
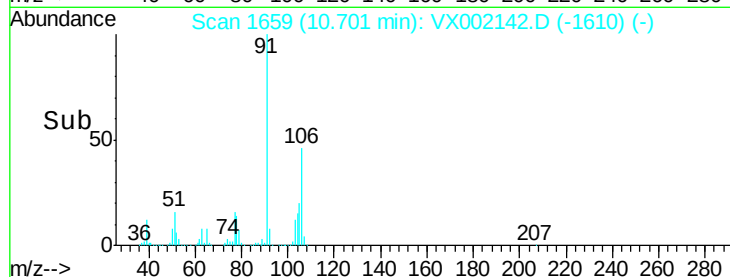
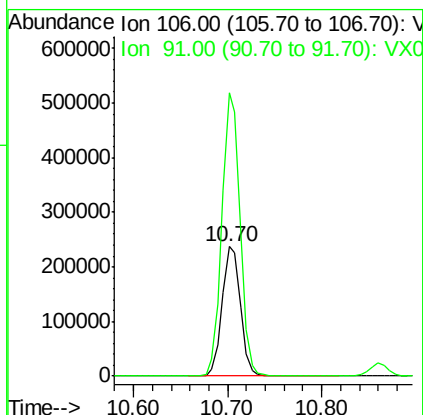
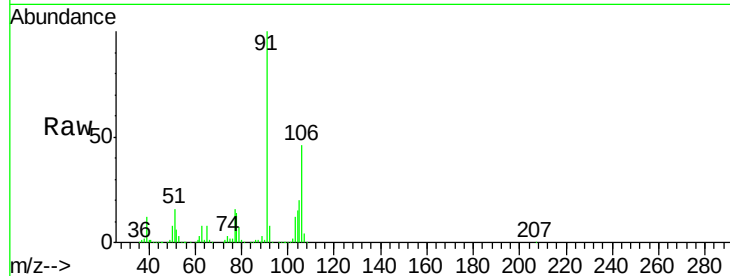
#69
o-Xylene
Concen: 46.53 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.3	108.7	325.9

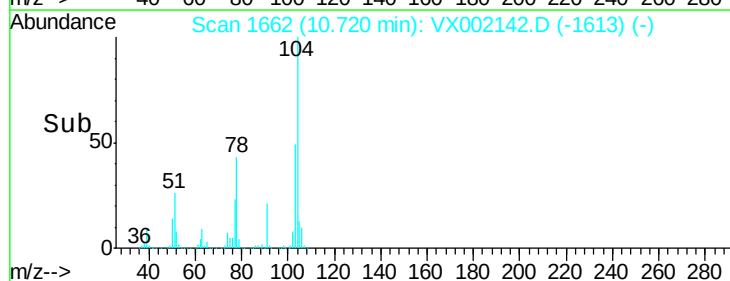
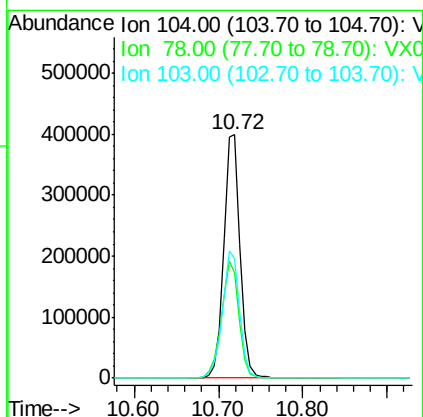
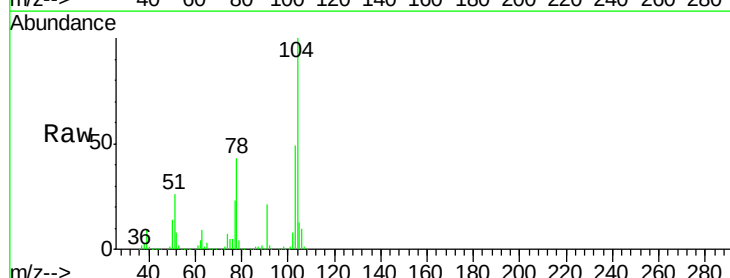
Manual Integrations
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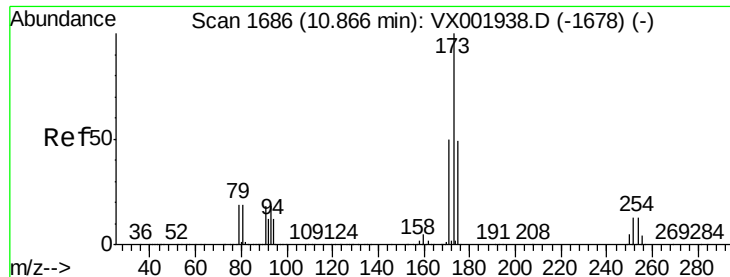
MMDadoda
5/31/2018 3:07:46 PM



#70
Styrene
Concen: 47.04 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.8	62.6
103	55.3	44.6	67.0





#71

Bromoform

Concen: 39.10 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

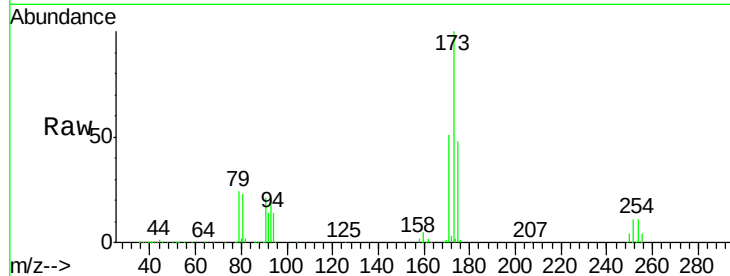
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.9
254	0.2	0.1	0.1#

Manual Integrations
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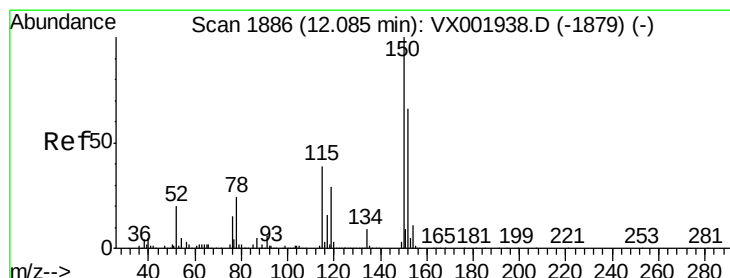
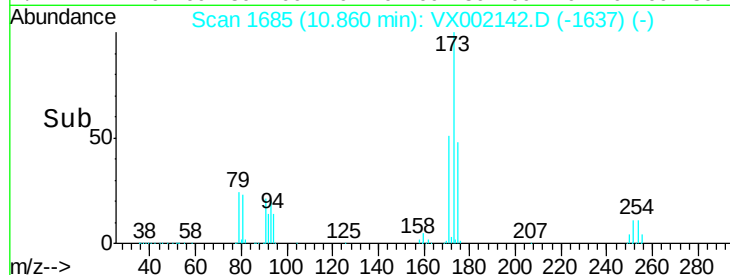
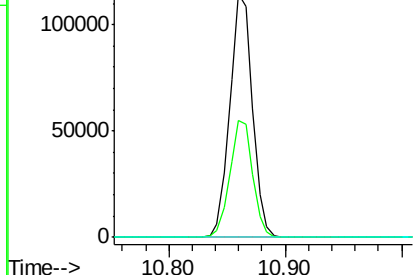
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

10.86



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.6	42.3	126.8
150	177.2	0.0	351.0

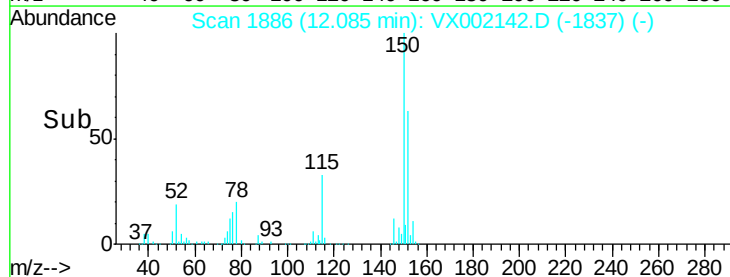
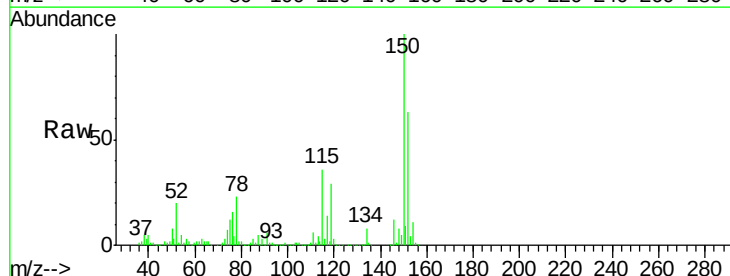
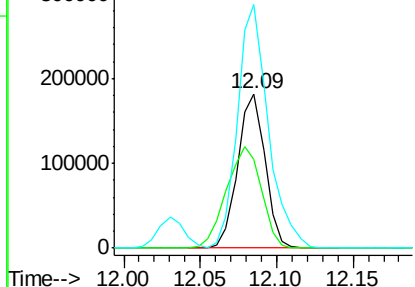
Abundance

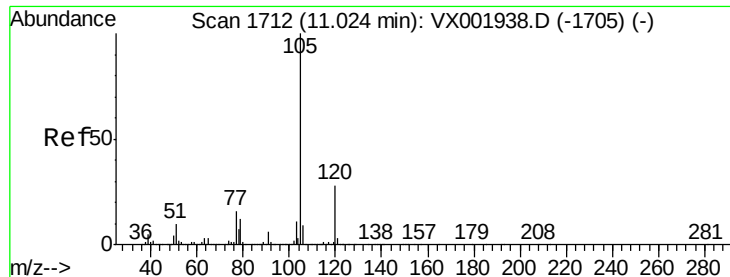
Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

12.09





#73

Isopropylbenzene

Concen: 45.62 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 874310

Ion Ratio Lower Upper

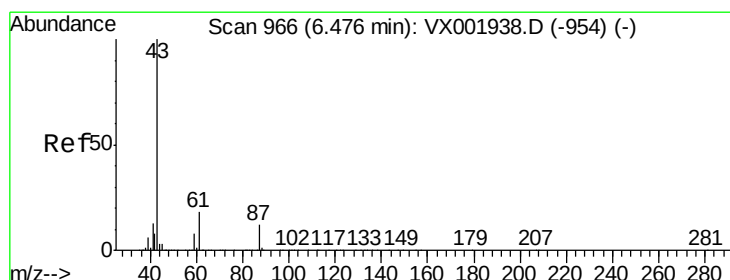
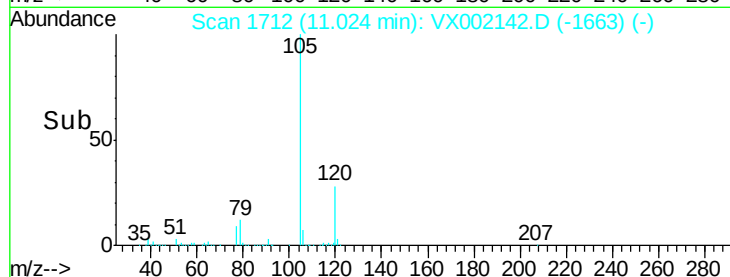
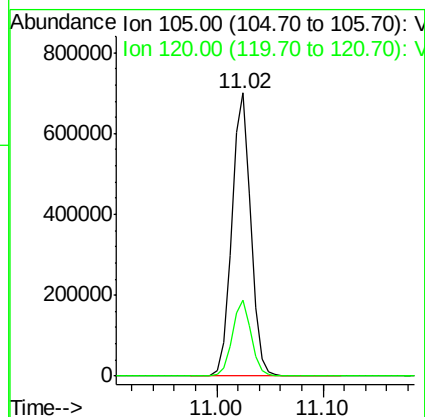
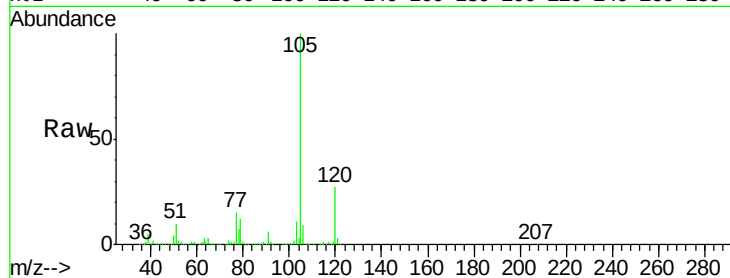
105 100

120 26.6 13.6 40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 46.84 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Tgt Ion: 43 Resp: 467749

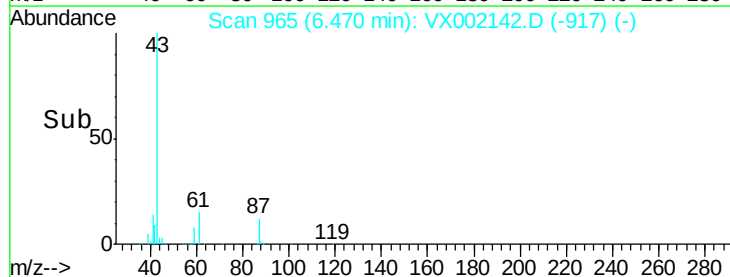
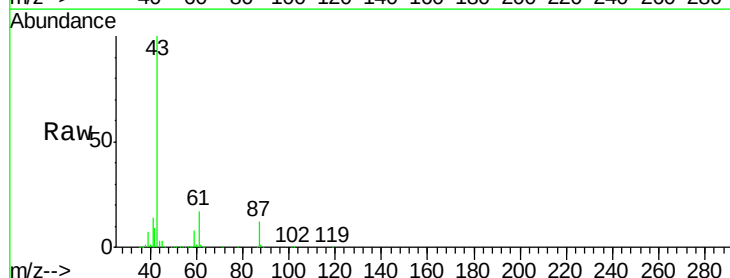
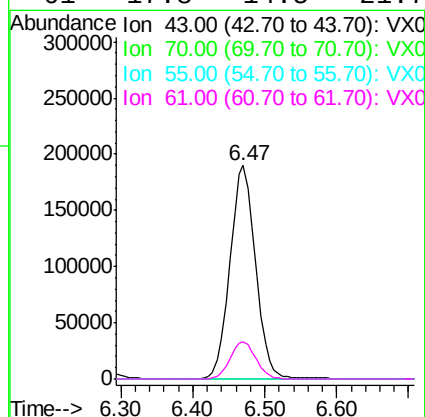
Ion Ratio Lower Upper

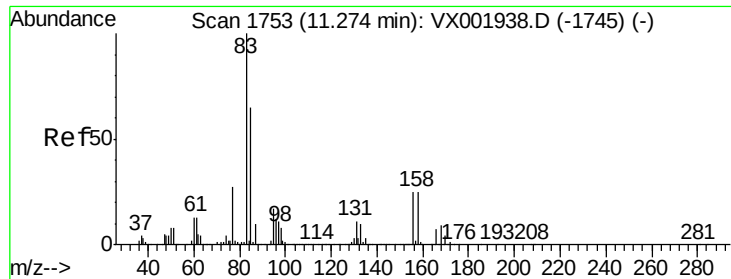
43 100

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: 49.01 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 257035

Ion Ratio Lower Upper

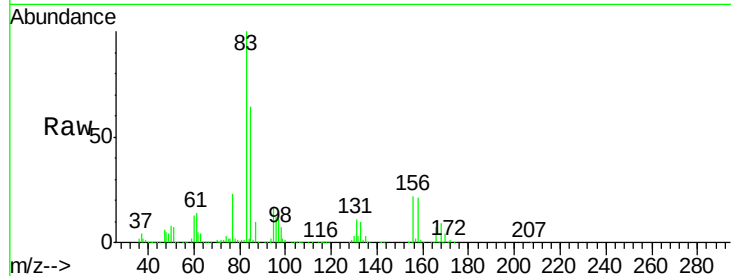
83 100

131 10.8 5.7 17.0

85 64.7 32.6 97.7

Manual Integrations
APPROVED

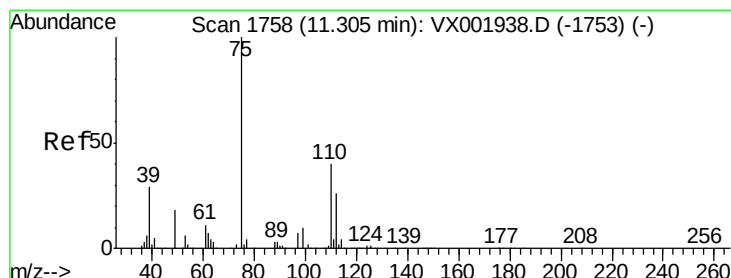
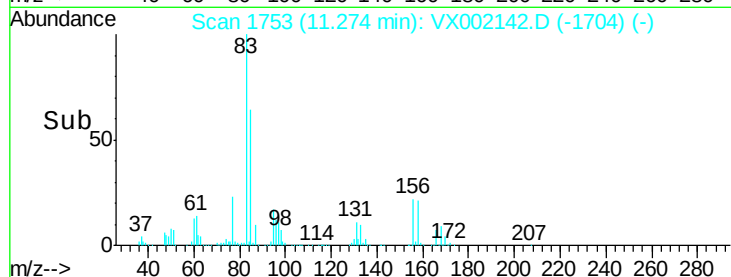
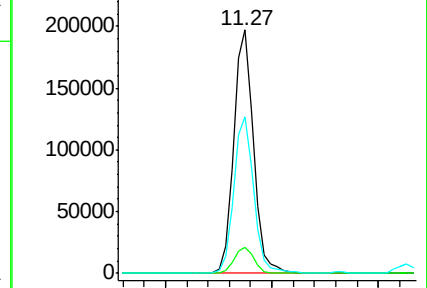
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 43.25 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002142.D

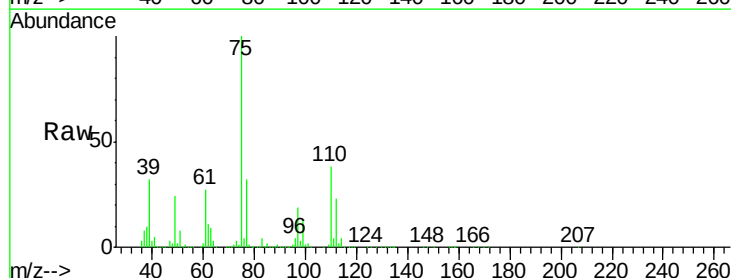
Acq: 30 May 2018 16:18

Tgt Ion: 75 Resp: 235132

Ion Ratio Lower Upper

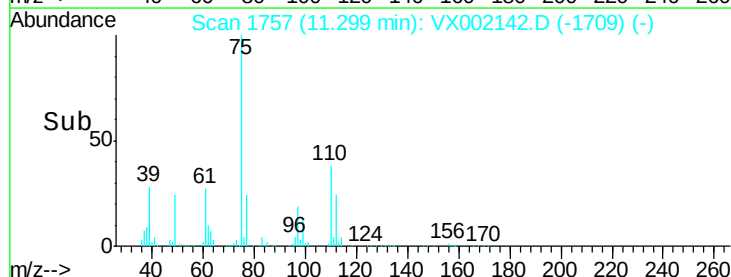
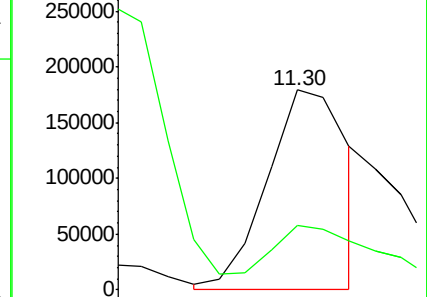
75 100

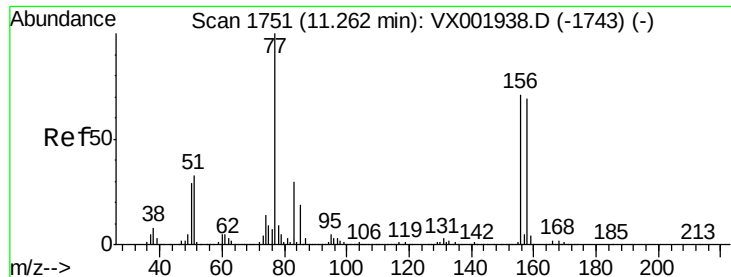
77 45.4 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.56 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 231655

Ion Ratio Lower Upper

156 100

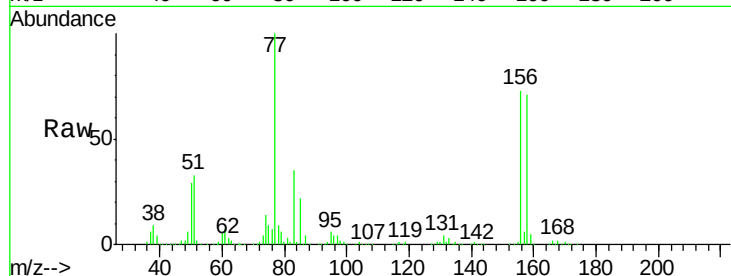
77 145.1 75.2 225.6

158 97.6 48.6 145.8

Manual Integrations
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MMDadoda

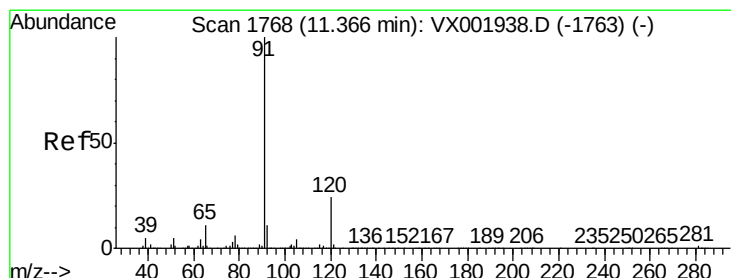
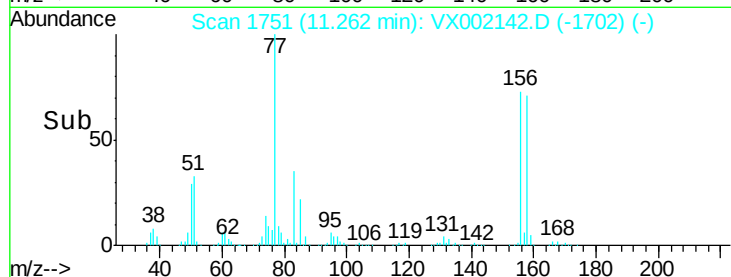
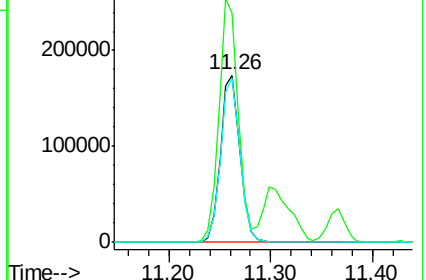
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.68 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002142.D

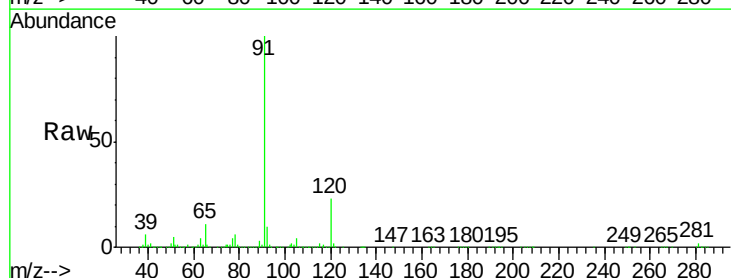
Acq: 30 May 2018 16:18

Tgt Ion: 91 Resp: 1002131

Ion Ratio Lower Upper

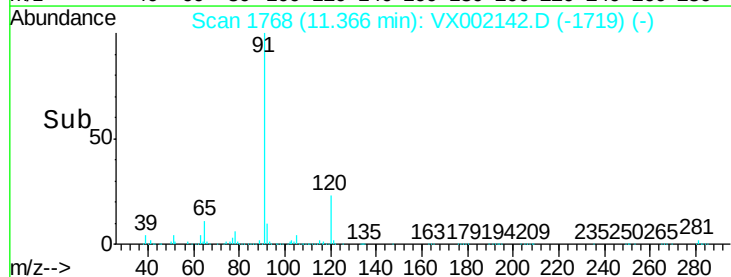
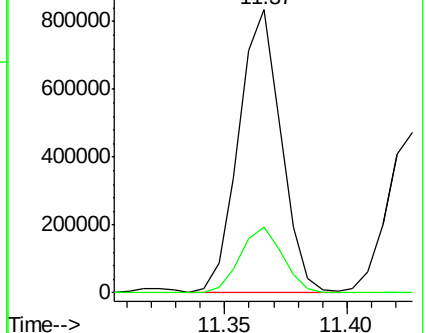
91 100

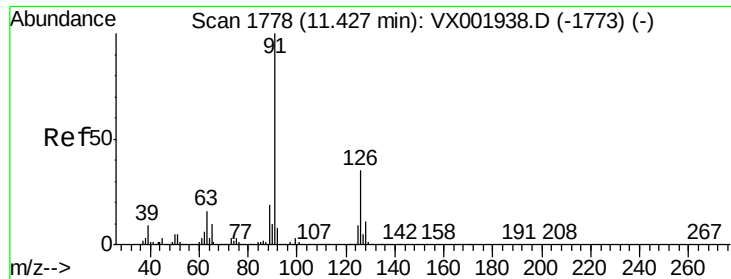
120 23.6 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.21 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 591164

Ion Ratio Lower Upper

91 100

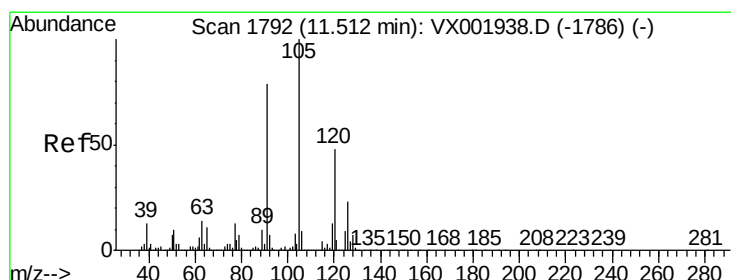
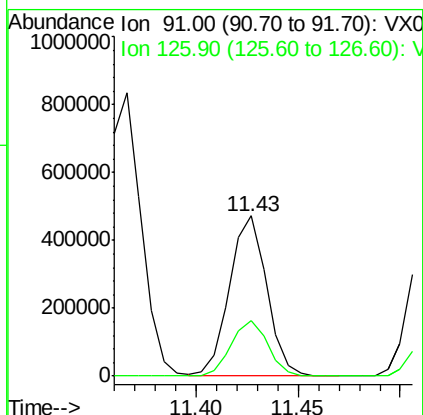
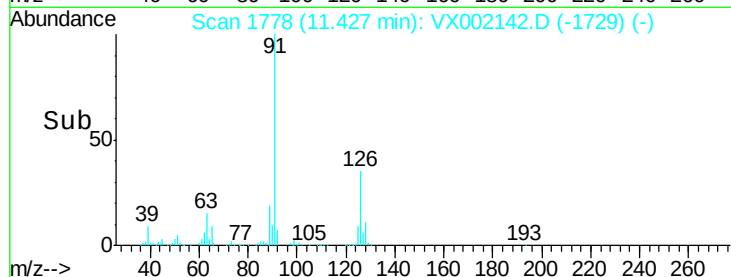
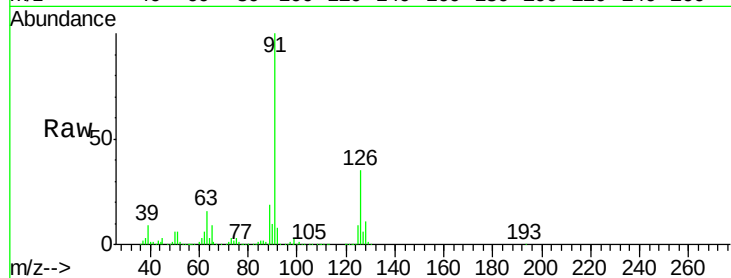
126 35.0 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 45.65 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002142.D

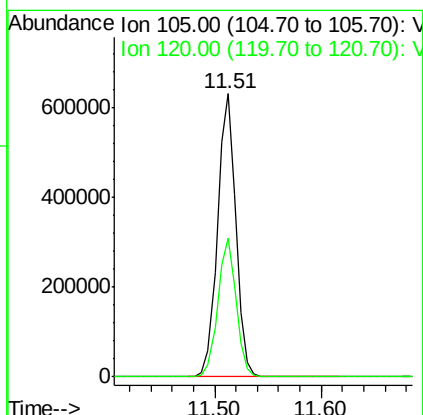
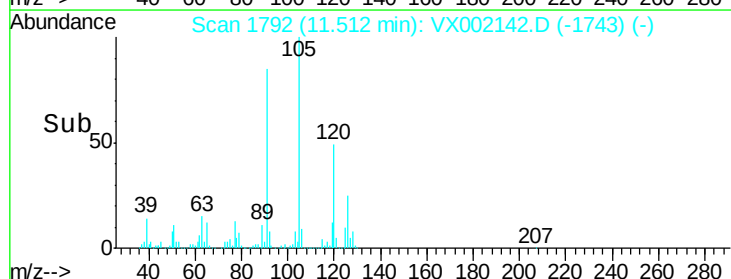
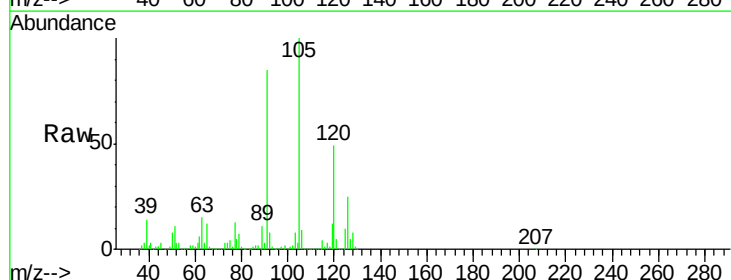
Acq: 30 May 2018 16:18

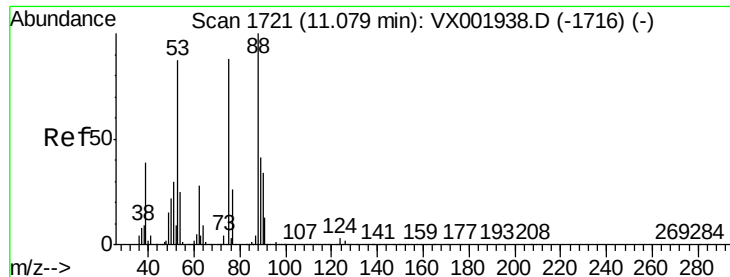
Tgt Ion: 105 Resp: 747720

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 37.40 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 84606

Ion Ratio Lower Upper

75 100

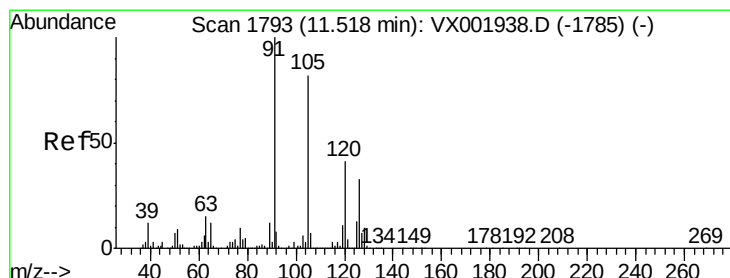
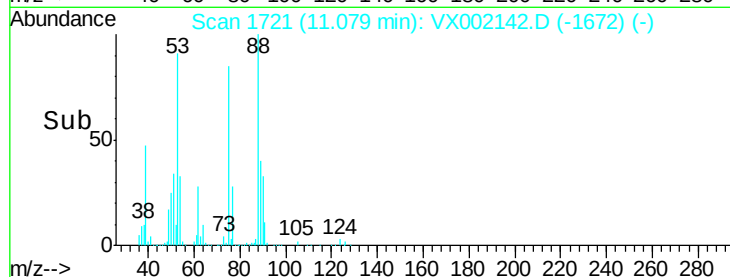
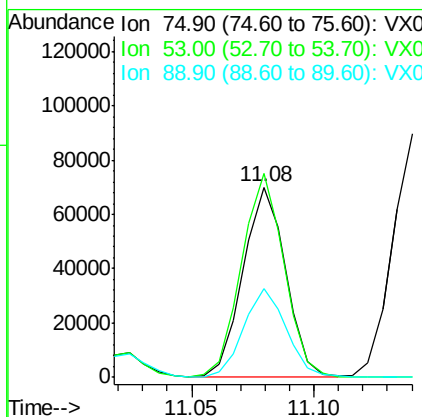
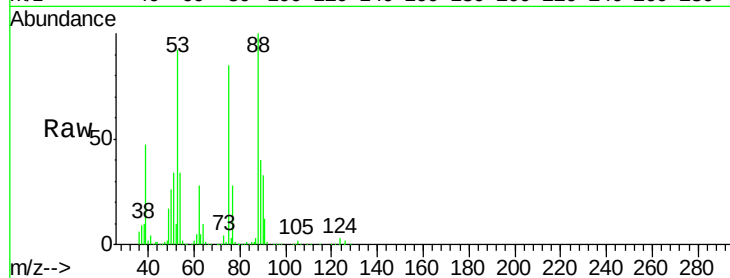
53 108.3 78.0 117.0

89 47.4 39.4 59.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.00 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX002142.D

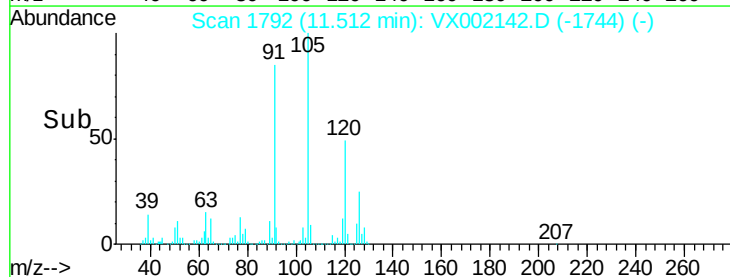
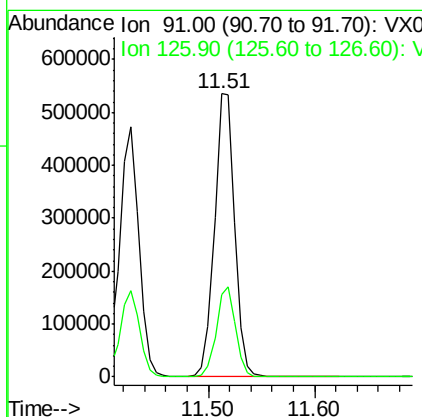
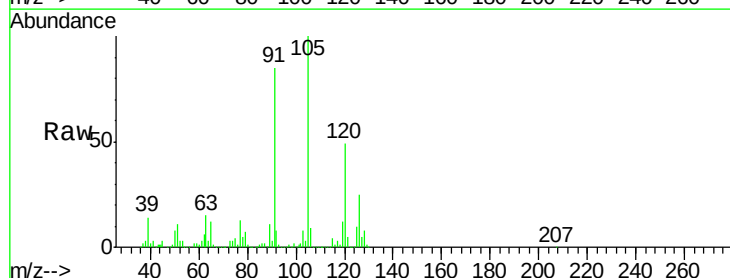
Acq: 30 May 2018 16:18

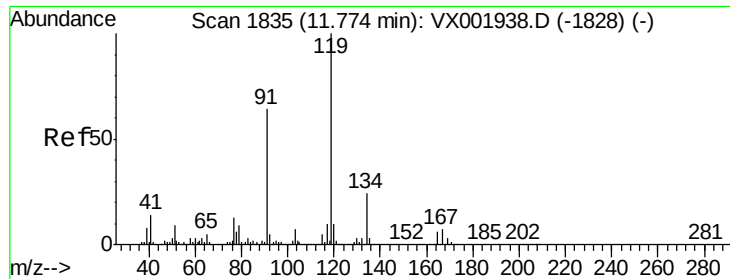
Tgt Ion: 91 Resp: 696491

Ion Ratio Lower Upper

91 100

126 30.5 15.3 45.8





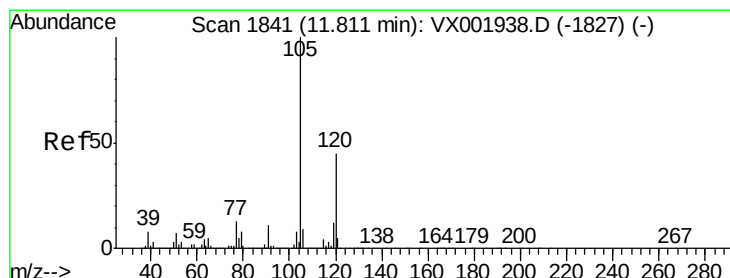
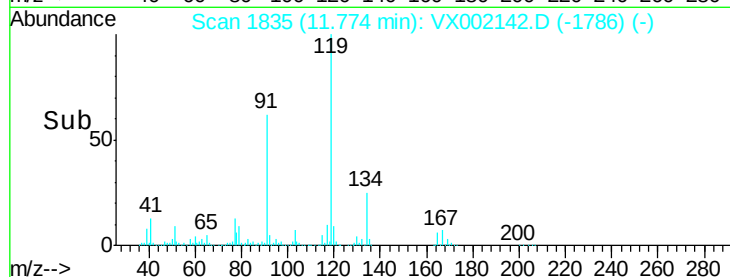
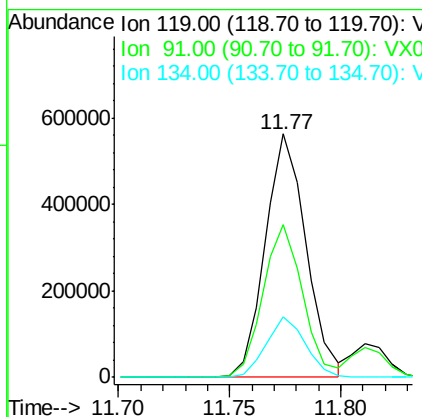
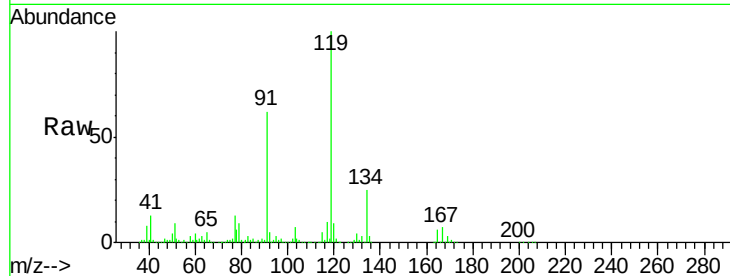
#83
 tert-Butylbenzene
 Concen: 44.63 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	717336		
91	61.3	30.6	91.8	
134	23.8	11.7	35.0	

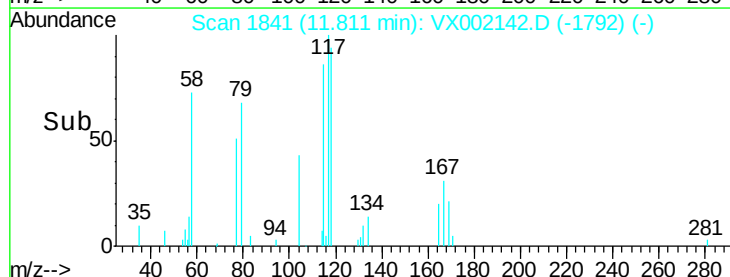
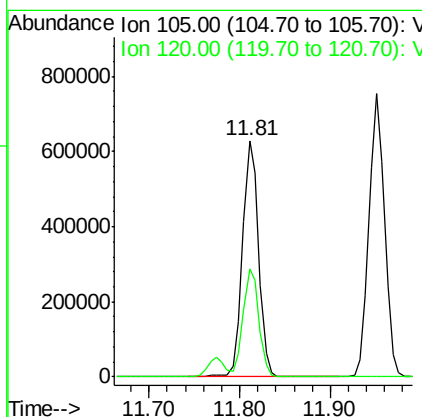
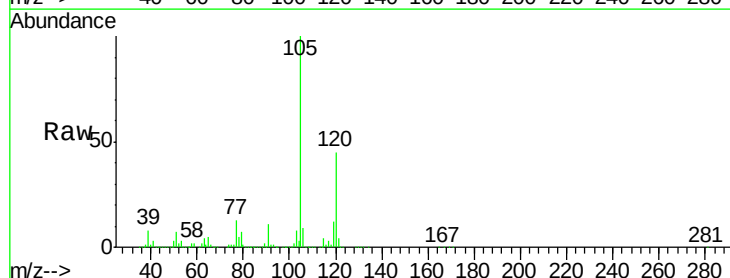
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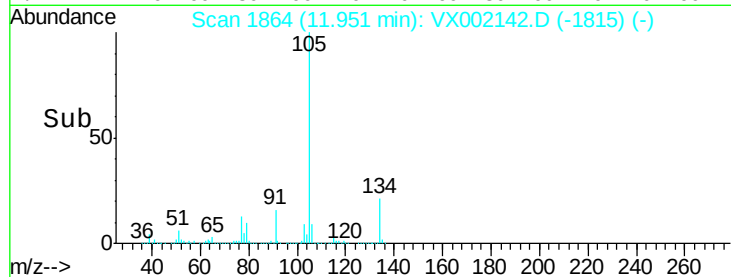
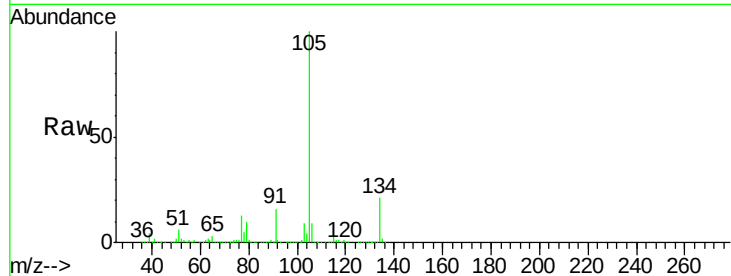
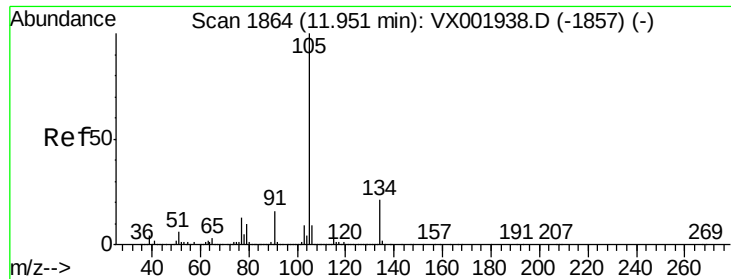
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.33 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	767310		
120	44.9	22.1	66.5	





#85

sec-Butylbenzene

Concen: 46.74 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Tot Ion:105 Resp: 903071

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4

Instrument :

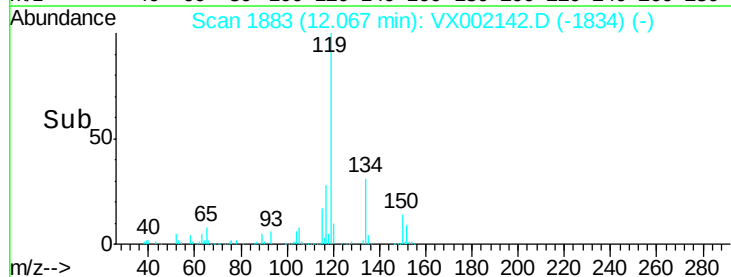
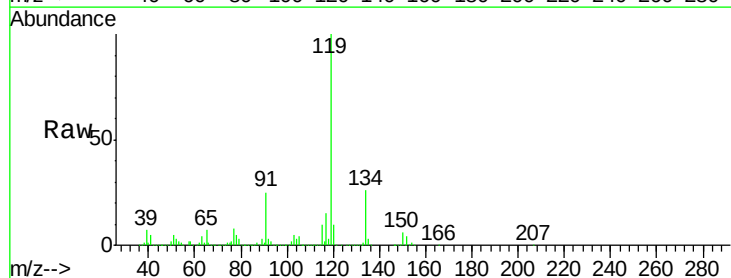
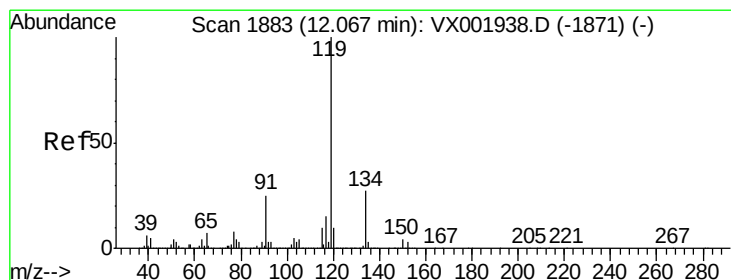
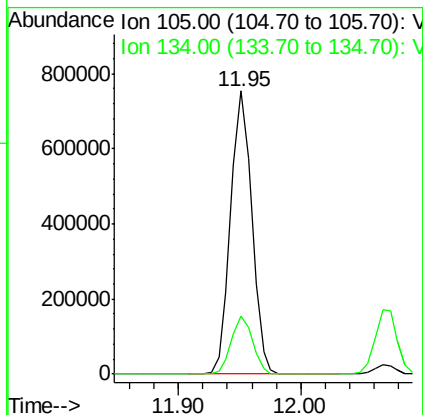
MSVOA_X

ClientSampled :

VSTDCCC050

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#86

p-Isopropyltoluene

Concen: 47.20 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

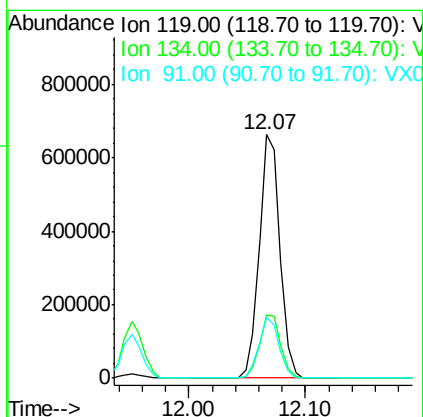
Tgt Ion:119 Resp: 816099

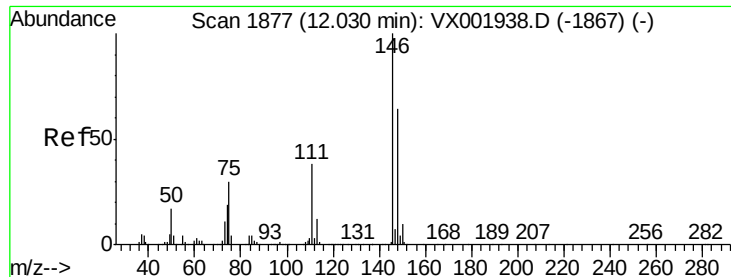
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 24.3 12.2 36.4





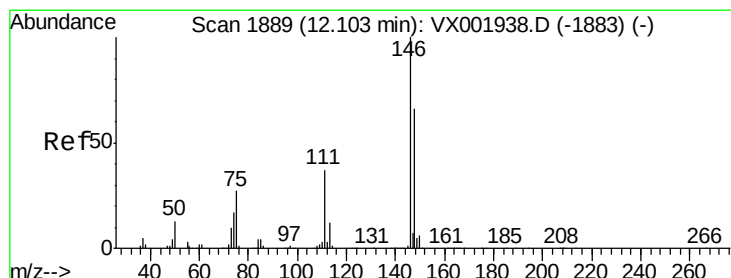
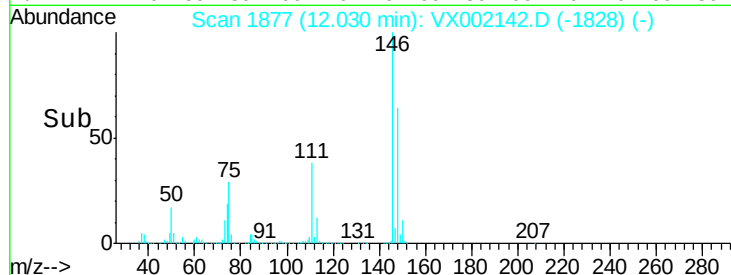
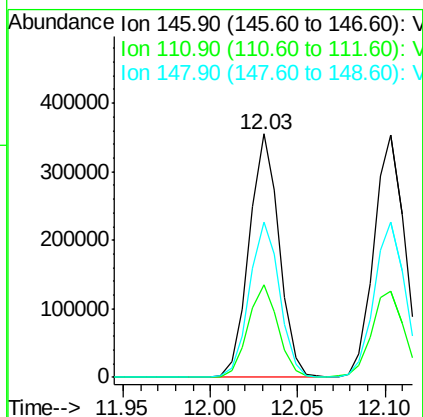
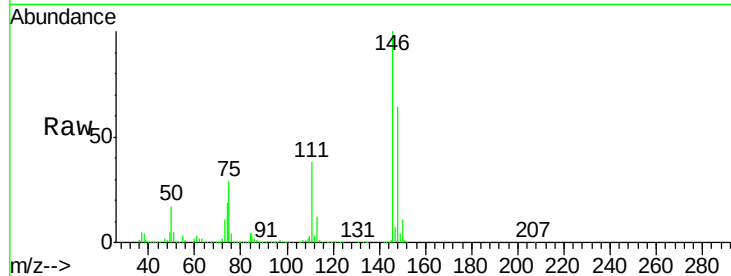
#87
 1,3-Dichlorobenzene
 Concen: 46.46 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.3	57.8
148	64.3	32.1	96.3

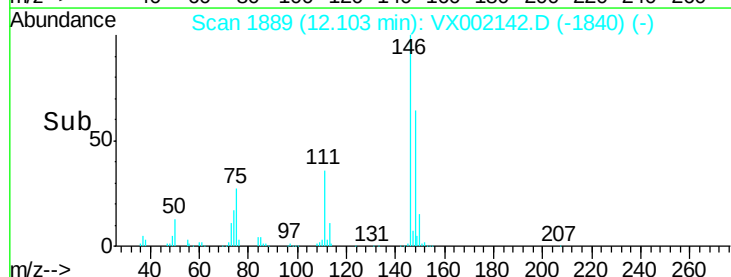
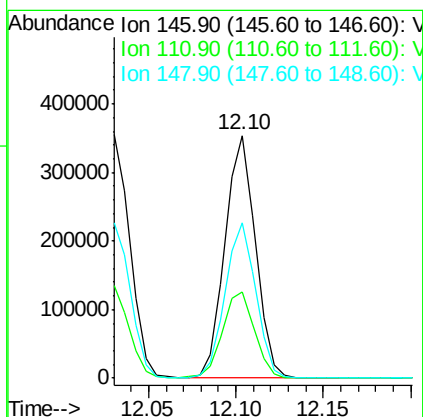
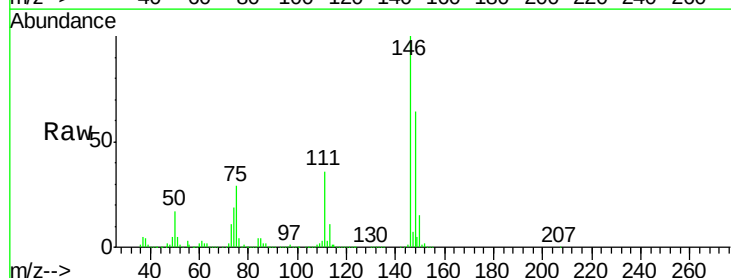
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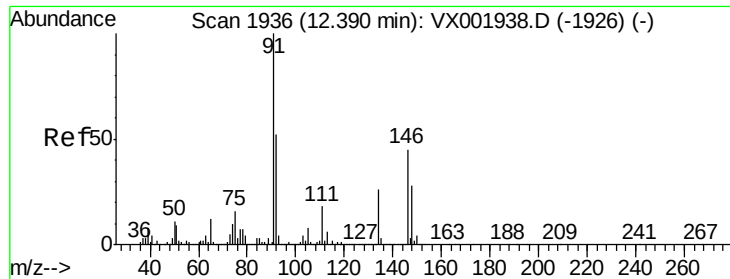
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#88
 1,4-Dichlorobenzene
 Concen: 47.24 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.5
148	64.5	32.3	96.8





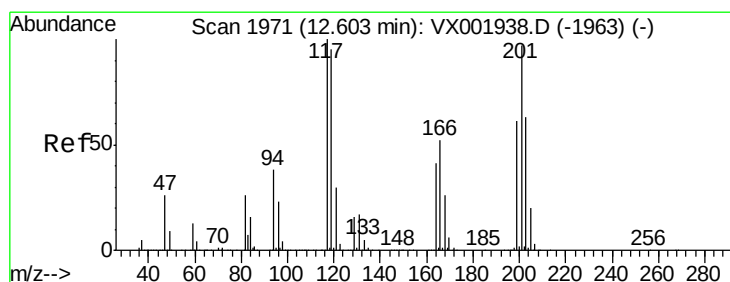
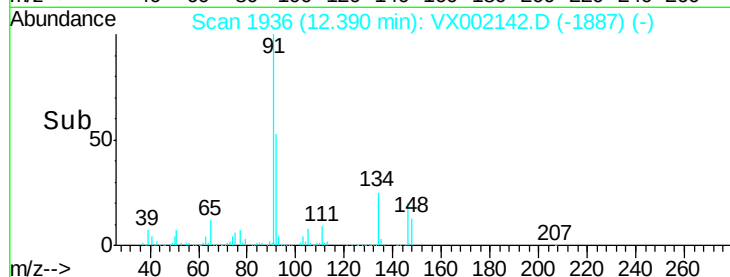
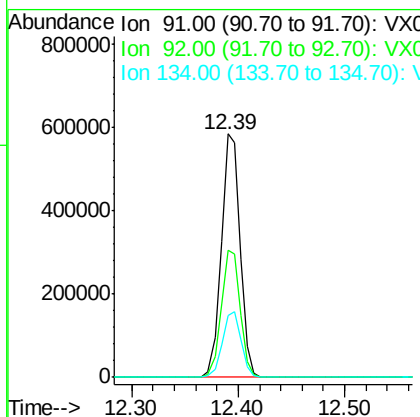
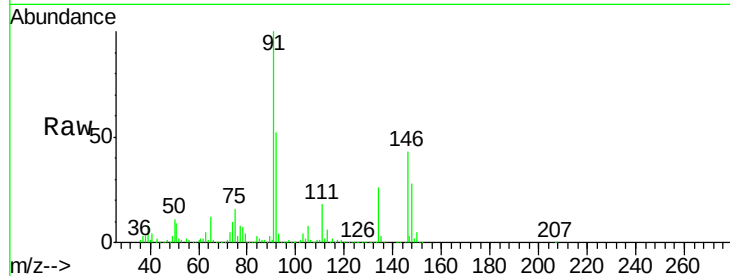
#89
n-Butylbenzene
Concen: 49.01 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	27.0	13.6	40.7

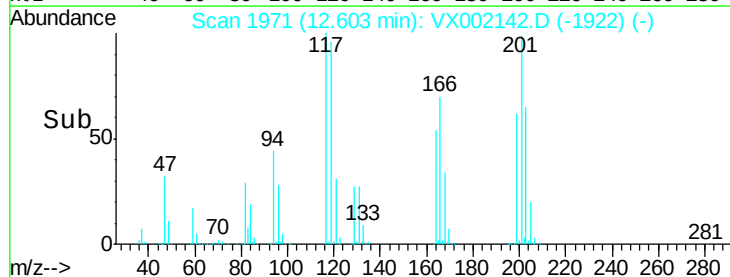
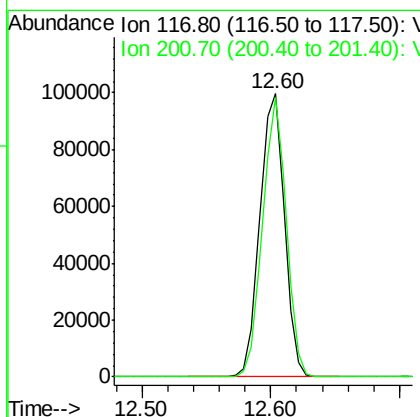
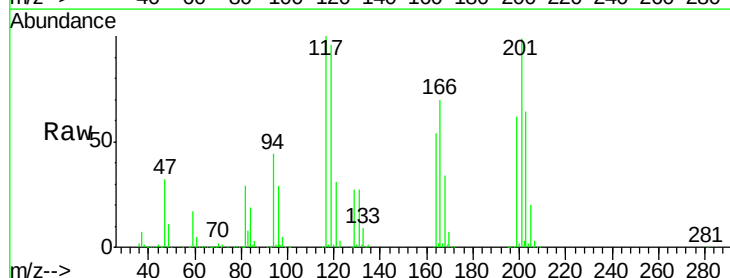
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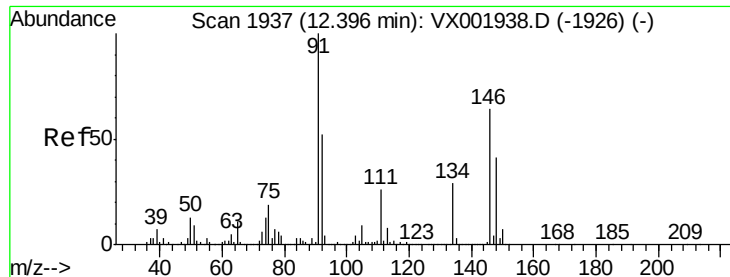
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#90
Hexachloroethane
Concen: 38.33 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002142.D
Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.4	48.0	144.0





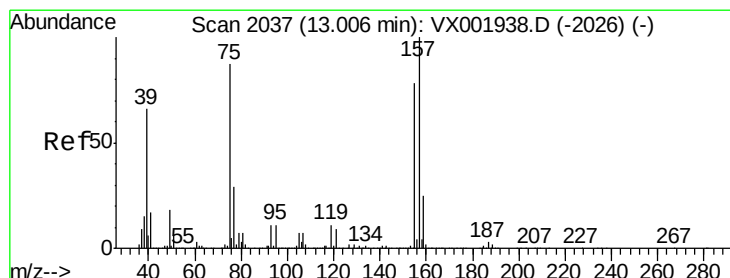
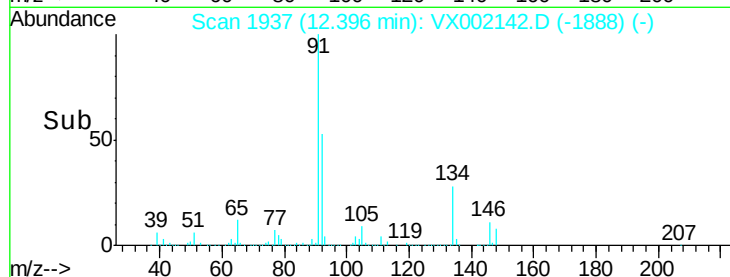
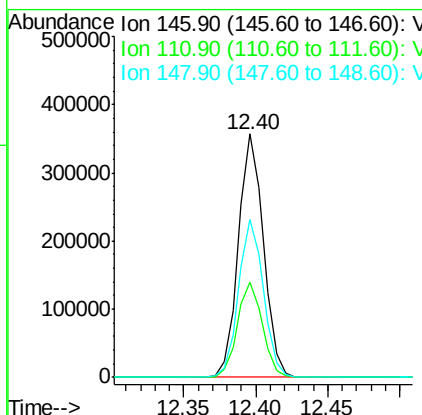
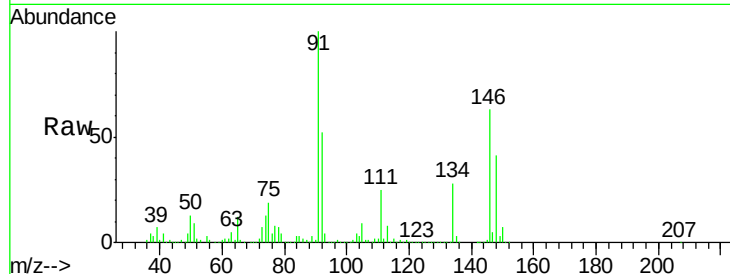
#91
 1,2-Dichlorobenzene
 Concen: 46.60 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	64.1	32.1	96.5

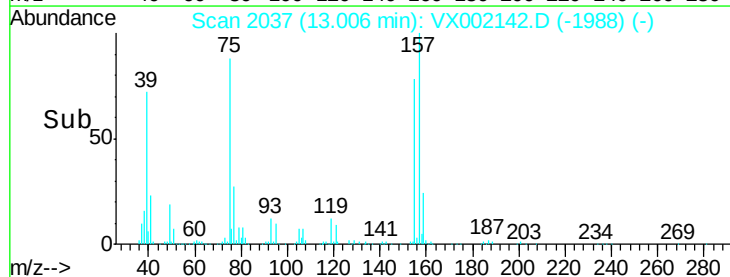
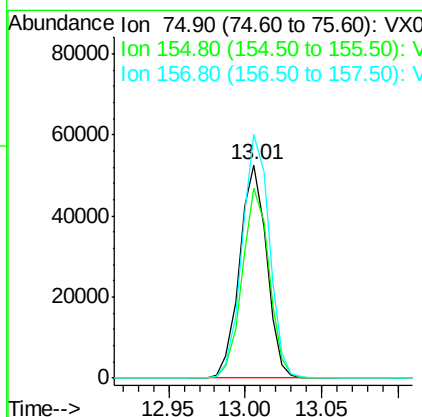
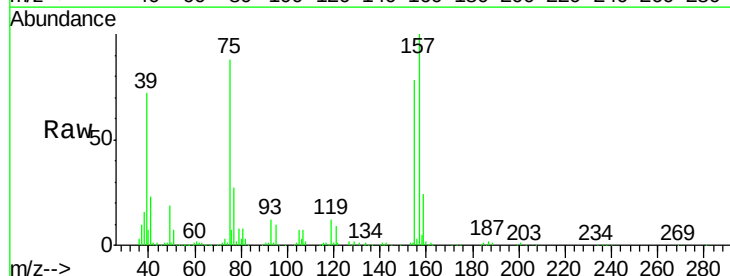
Manual Integrations
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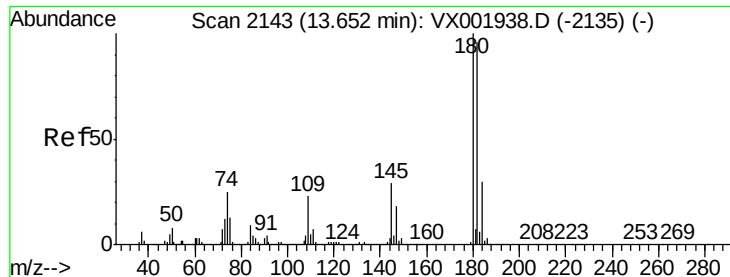
MMDadoda
 5/31/2018 3:07:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.01 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	45.1	135.2
157	114.4	58.1	174.2





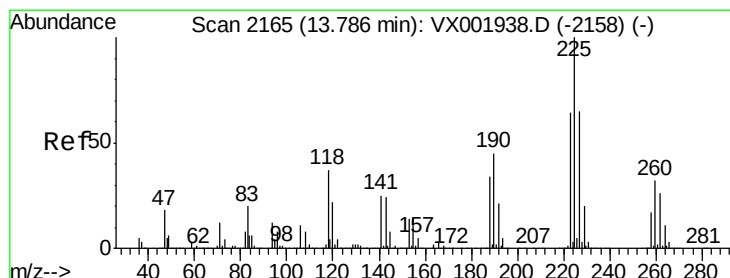
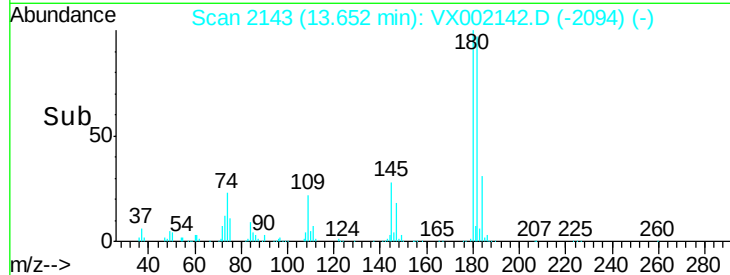
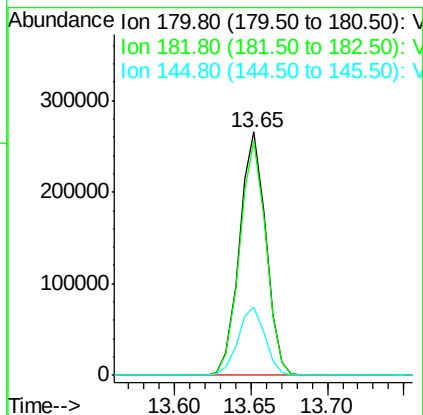
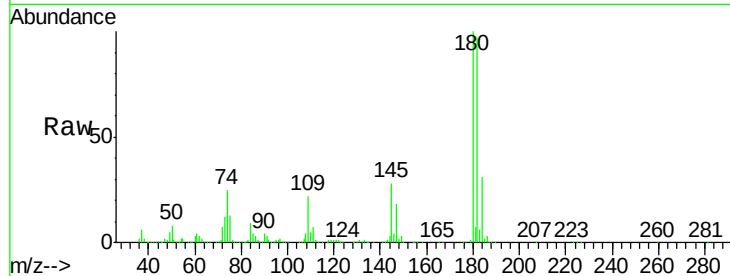
#93
 1,2,4-Trichlorobenzene
 Concen: 47.78 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.7	143.1
145	28.2	14.4	43.0

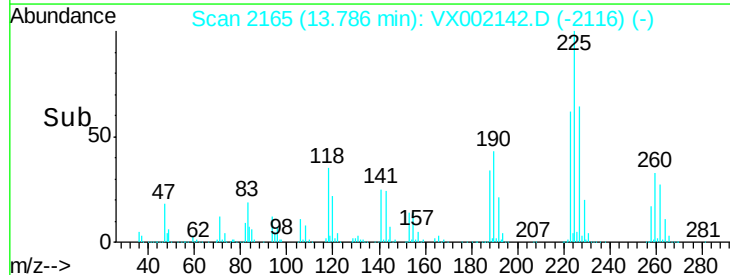
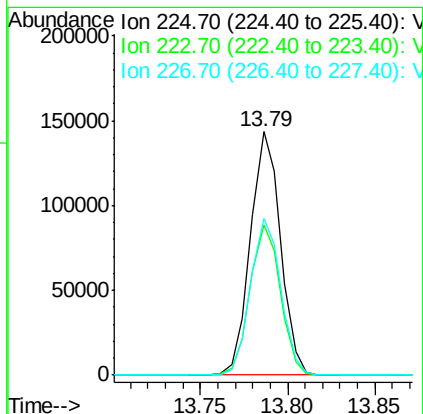
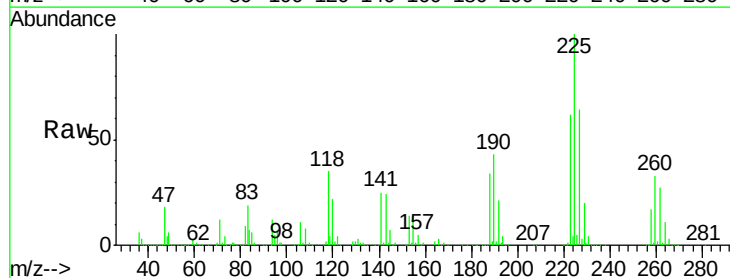
Manual Integrations
 APPROVED

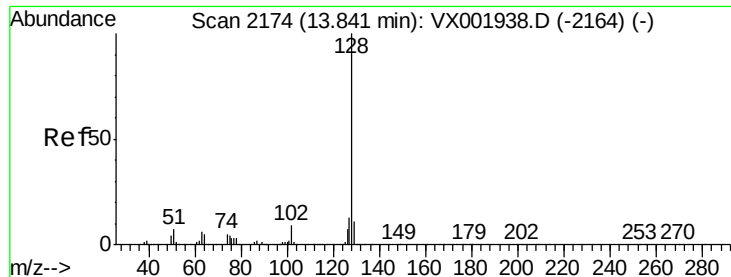
MMDadoda
 5/31/2018 3:07:46 PM



#94
 Hexachlorobutadiene
 Concen: 47.98 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002142.D
 Acq: 30 May 2018 16:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.1	93.5
227	65.0	32.1	96.5





#95

Naphthalene

Concen: 45.04 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Instrument :

MSVOA_X

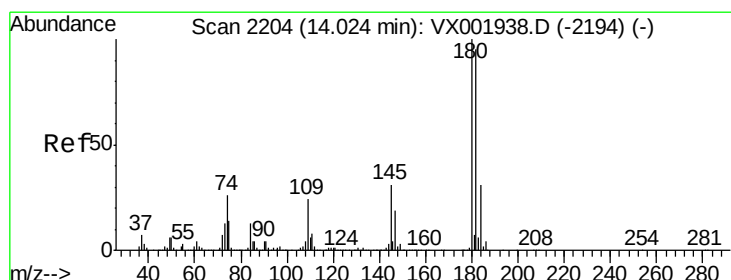
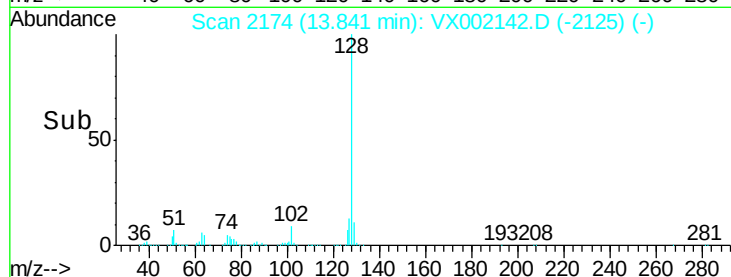
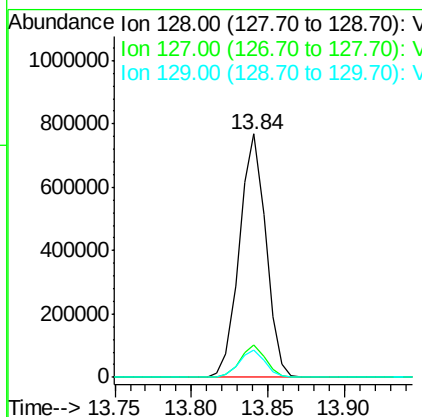
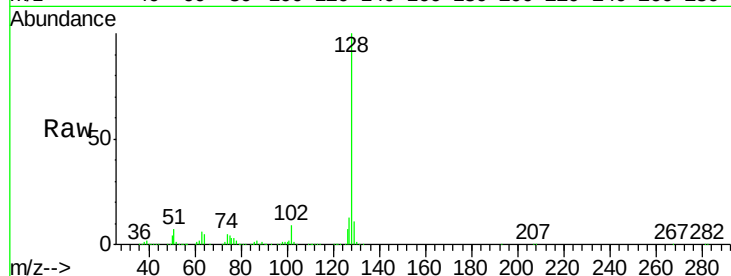
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	920755
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.01 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002142.D

Acq: 30 May 2018 16:18

Tgt Ion:	180	Resp:	322777
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.9	143.6
145	29.9	15.1	45.3

