

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061418\
 Data File : VX002549.D
 Acq On : 14 Jun 2018 14:00
 Operator : JC/MD
 Sample : VX0614WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/15/2018 1:11:49 PM

Quant Time: Jun 15 01:49:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400662	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	377752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230270	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	207959	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	5.51	113	166411	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	8.72	98	645524	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	11.14	95	240551	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49848	17.290	ug/l	96
3) Chloromethane	1.32	50	55612	14.814	ug/l	100
4) Vinyl Chloride	1.40	62	63222	17.399	ug/l	97
5) Bromomethane	1.64	94	36335	15.358	ug/l	99
6) Chloroethane	1.73	64	42950	18.273	ug/l	97
7) Trichlorofluoromethane	1.93	101	111634	20.164	ug/l	99
8) Diethyl Ether	2.19	74	41557	19.670	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	65880	22.051	ug/l	99
10) Methyl Iodide	2.51	142	68971	16.413	ug/l	100
11) Tert butyl alcohol	3.07	59	86102	93.543	ug/l	98
12) 1,1-Dichloroethene	2.37	96	55860	18.919	ug/l	97
13) Acrolein	2.29	56	15268	30.194	ug/l	100
14) Allyl chloride	2.73	41	112304	17.527	ug/l	99
15) Acrylonitrile	3.15	53	178968	100.224	ug/l	99
16) Acetone	2.45	43	185580	97.073	ug/l	98
17) Carbon Disulfide	2.57	76	113148	14.540	ug/l	99
18) Methyl Acetate	2.78	43	85901	20.001	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	222873	20.255	ug/l	100
20) Methylene Chloride	2.86	84	64673	18.905	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	59984	18.423	ug/l	94
22) Diisopropyl ether	3.87	45	229430	20.558	ug/l	98
23) Vinyl Acetate	3.82	43	982886	94.625	ug/l	100
24) 1,1-Dichloroethane	3.70	63	121125	19.126	ug/l	99
25) 2-Butanone	4.70	43	248798	91.491	ug/l	99
26) 2,2-Dichloropropane	4.59	77	90930	18.369	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	65879	18.605	ug/l	95
28) Bromochloromethane	5.02	49	70995	24.547	ug/l	100
29) Tetrahydrofuran	5.17	42	155273	88.562	ug/l	98
30) Chloroform	5.21	83	114089	18.670	ug/l	100
31) Cyclohexane	5.57	56	95510	19.073	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	97769	18.865	ug/l	99
36) 1,1-Dichloropropene	5.80	75	80914	19.210	ug/l	99
37) Ethyl Acetate	4.86	43	95813	18.915	ug/l	99
38) Carbon Tetrachloride	5.79	117	82678	18.763	ug/l	98

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 Sample : VX0614WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/15/2018 1:11:49 PM

Quant Time: Jun 15 01:49:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	100624	19.498	ug/l	98
40) Benzene	6.15	78	243522	18.856	ug/l	99
41) Methacrylonitrile	5.06	41	54026	18.631	ug/l	98
42) 1,2-Dichloroethane	6.20	62	95677	18.646	ug/l	100
43) Isopropyl Acetate	6.46	43	157100	18.259	ug/l	99
44) Trichloroethene	7.21	130	69487	19.386	ug/l	95
45) 1,2-Dichloropropane	7.52	63	66033	18.939	ug/l	97
46) Dibromomethane	7.66	93	44017	18.623	ug/l	99
47) Bromodichloromethane	7.90	83	77702	18.177	ug/l	96
48) Methyl methacrylate	7.78	41	80289	18.578	ug/l	99
49) 1,4-Dioxane	7.76	88	31907	394.853	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	507604	94.738	ug/l	99
52) Toluene	8.79	92	157056	19.120	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	94052	18.347	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	86700	17.926	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	65284	19.324	ug/l	98
56) Ethyl methacrylate	9.18	69	101581	18.833	ug/l	98
57) 1,3-Dichloropropane	9.37	76	108409	19.127	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	212888	85.277	ug/l	100
59) 2-Hexanone	9.50	43	393131	94.992	ug/l	98
60) Dibromochloromethane	9.59	129	61964	18.235	ug/l	97
61) 1,2-Dibromoethane	9.68	107	67193	19.075	ug/l	99
64) Tetrachloroethene	9.34	164	76904	19.740	ug/l	96
65) Chlorobenzene	10.14	112	182012	19.364	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	64963	19.087	ug/l	99
67) Ethyl Benzene	10.26	91	312811	19.886	ug/l	100
68) m/p-Xylenes	10.36	106	239197	39.118	ug/l	100
69) o-Xylene	10.70	106	118132	19.413	ug/l	99
70) Styrene	10.71	104	196097	19.713	ug/l	100
71) Bromoform	10.86	173	45717	17.419	ug/l #	98
73) Isopropylbenzene	11.02	105	323981	20.225	ug/l	100
74) N-amyl acetate	6.46	43	157100	18.201	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	95375	18.931	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	96056m	19.011	ug/l	
77) Bromobenzene	11.26	156	87904	19.547	ug/l	98
78) n-propylbenzene	11.37	91	373741	20.992	ug/l	100
79) 2-Chlorotoluene	11.43	91	217327	19.331	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	273153	19.881	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	23557	16.343	ug/l	91
82) 4-Chlorotoluene	11.51	91	257500	19.844	ug/l	99
83) tert-Butylbenzene	11.77	119	271726	20.309	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	279679	19.775	ug/l	100
85) sec-Butylbenzene	11.95	105	337636	21.526	ug/l	100
86) p-Isopropyltoluene	12.07	119	304012	21.279	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	162664	20.230	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	164893	19.895	ug/l	99
89) n-Butylbenzene	12.39	91	269886	22.524	ug/l	100
90) Hexachloroethane	12.60	117	40278	17.661	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	162410	19.522	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20141	18.281	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

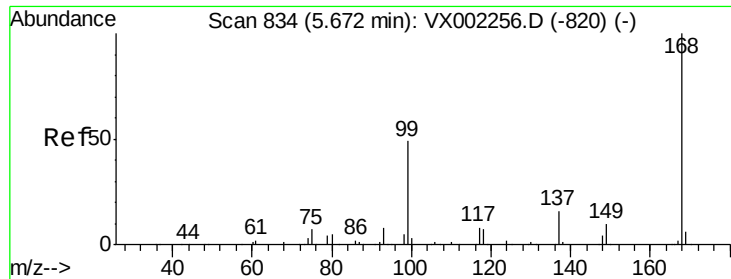
Manual Integrations
APPROVED

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6/15/2018 1:11:49 PM

Quant Time: Jun 15 01:49:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	125876	21.578	ug/l	100
94) Hexachlorobutadiene	13.79	225	66599	23.103	ug/l	99
95) Naphthalene	13.84	128	339141	20.234	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	125447	21.086	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion:168 Resp: 277345

Ion Ratio Lower Upper

168 100

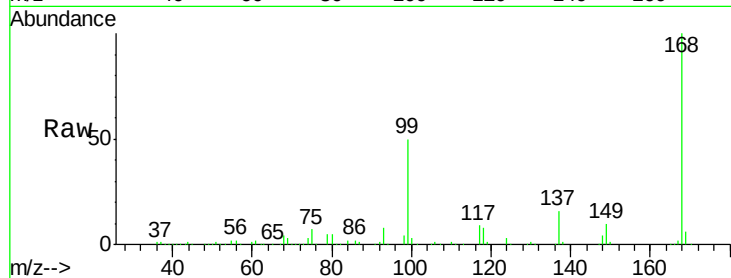
99 49.6 39.3 58.9

Manual Integrations

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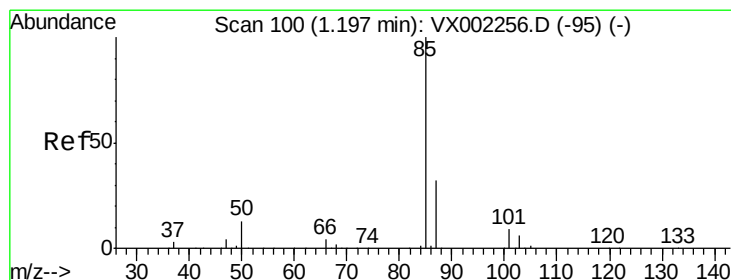
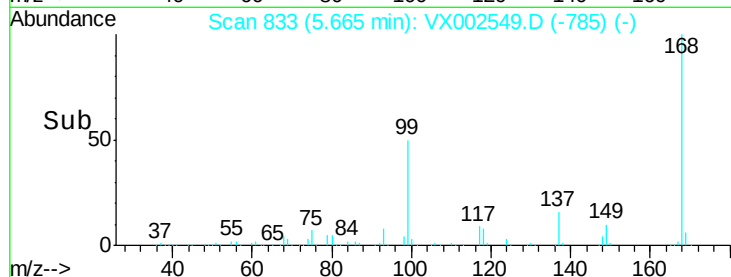
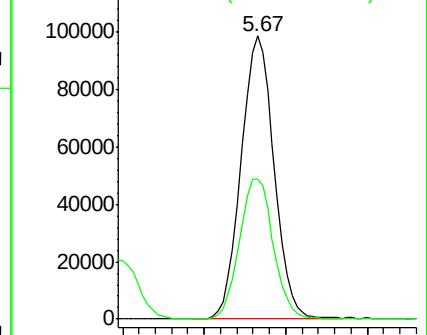
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.290 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002549.D

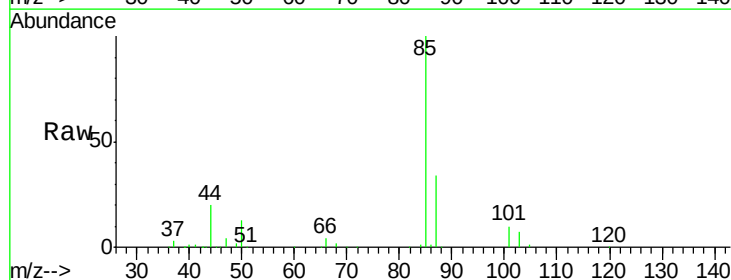
Acq: 14 Jun 2018 14:00

Tgt Ion: 85 Resp: 49848

Ion Ratio Lower Upper

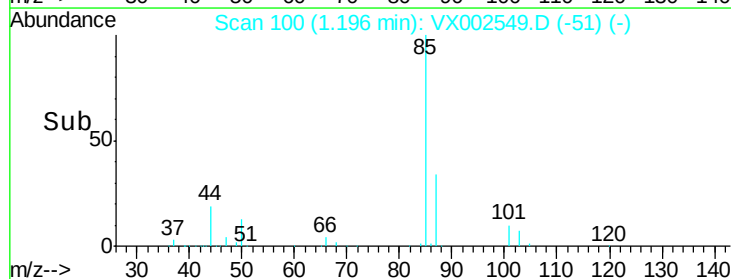
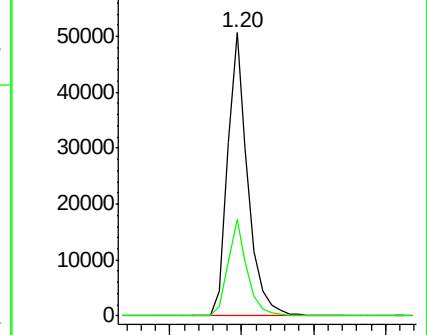
85 100

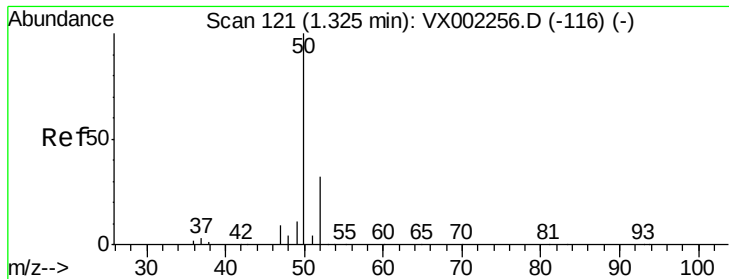
87 34.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 14.814 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion: 50 Resp: 55612

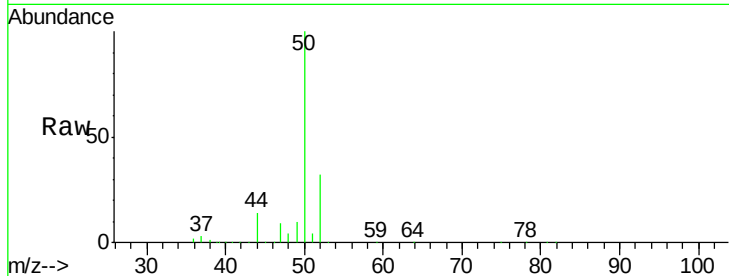
Ion Ratio Lower Upper

50 100

52 32.3 25.7 38.5

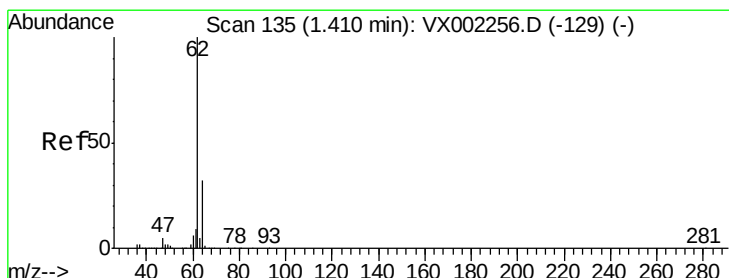
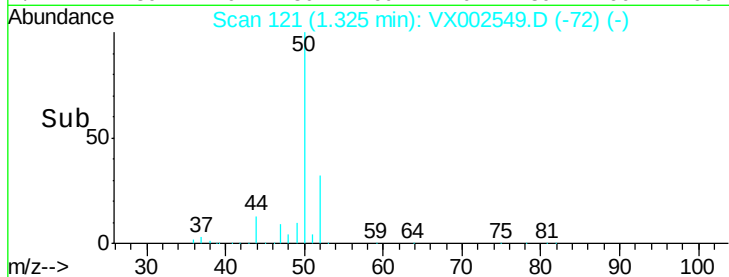
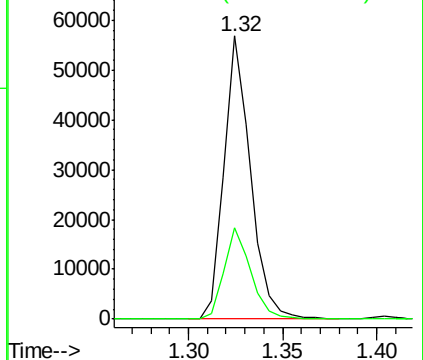
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.399 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002549.D

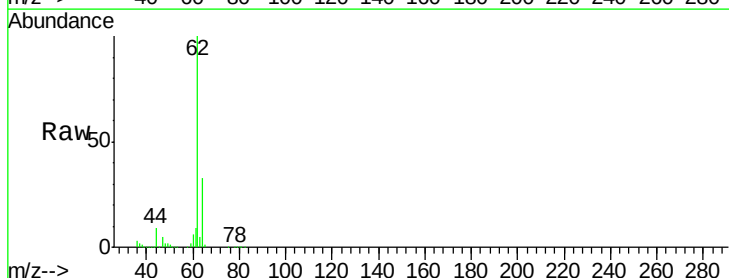
Acq: 14 Jun 2018 14:00

Tgt Ion: 62 Resp: 63222

Ion Ratio Lower Upper

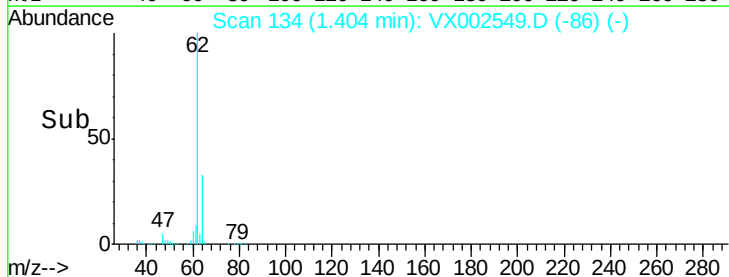
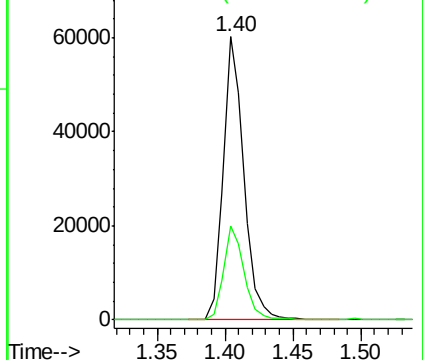
62 100

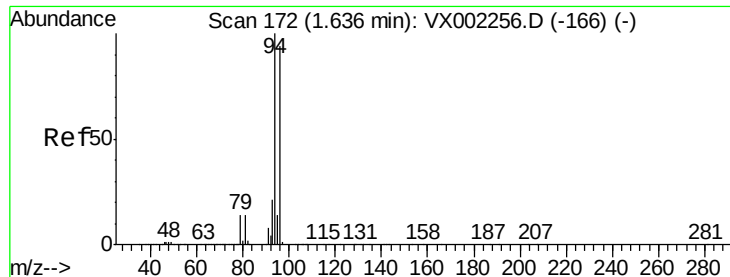
64 33.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 15.358 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion: 94 Resp: 36335

Ion Ratio Lower Upper

94 100

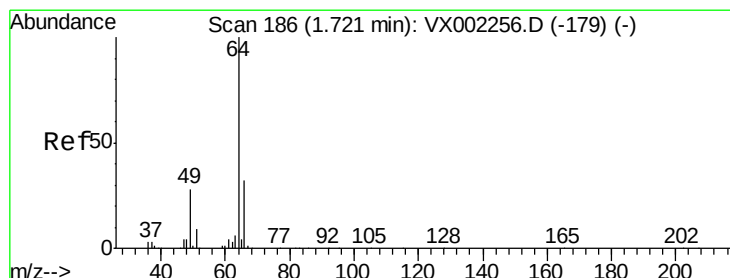
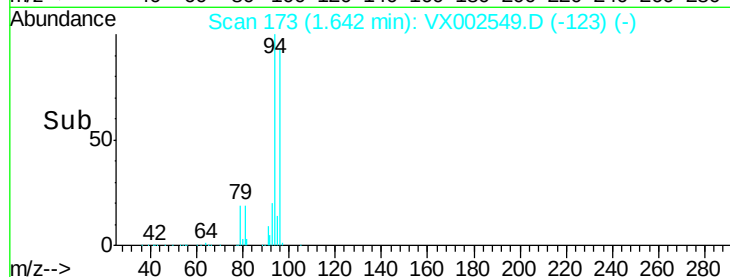
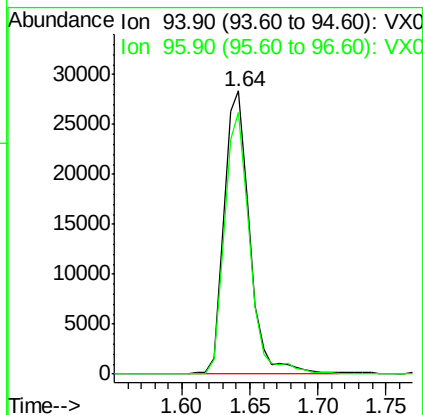
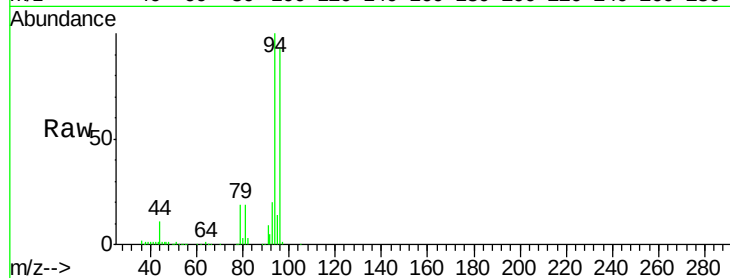
96 92.6 74.9 112.3

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 18.273 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002549.D

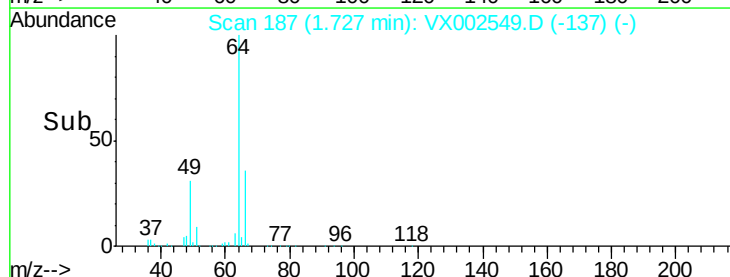
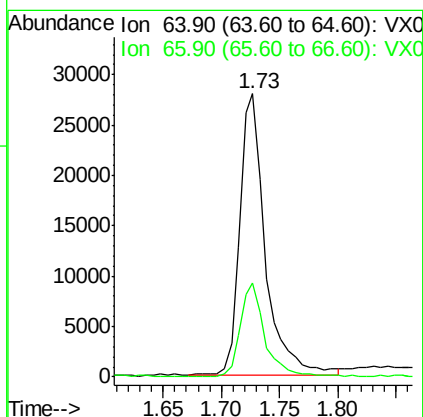
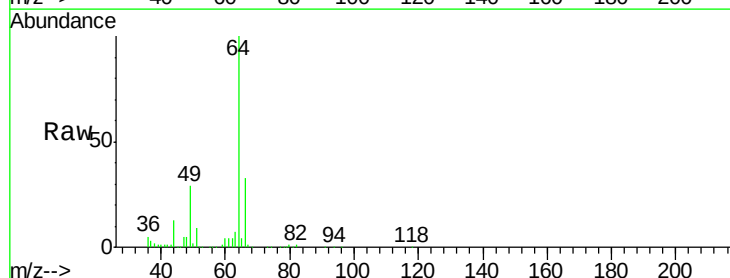
Acq: 14 Jun 2018 14:00

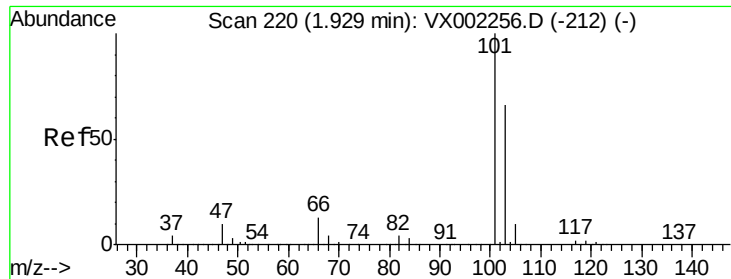
Tgt Ion: 64 Resp: 42950

Ion Ratio Lower Upper

64 100

66 33.4 25.5 38.3





#7

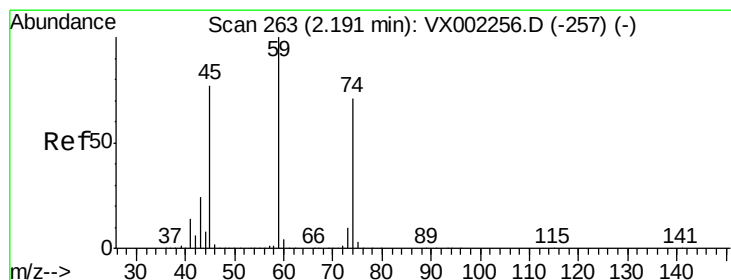
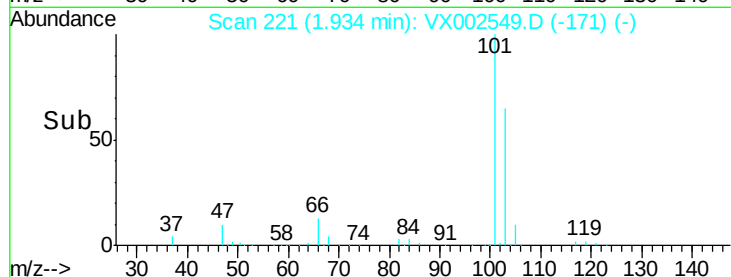
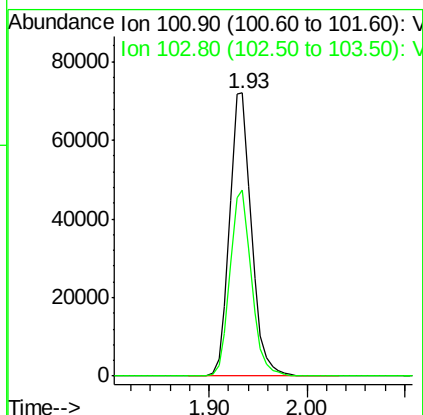
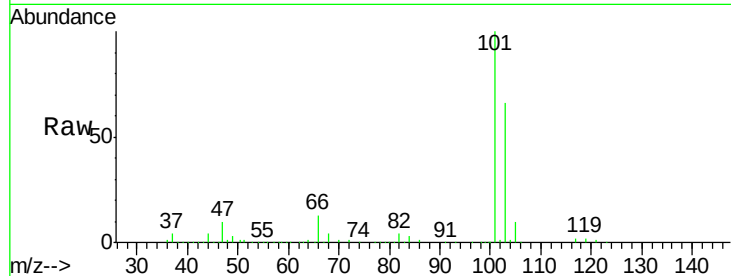
Trichlorofluoromethane
Concen: 20.164 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.8	79.2

Manual Integrations
APPROVED

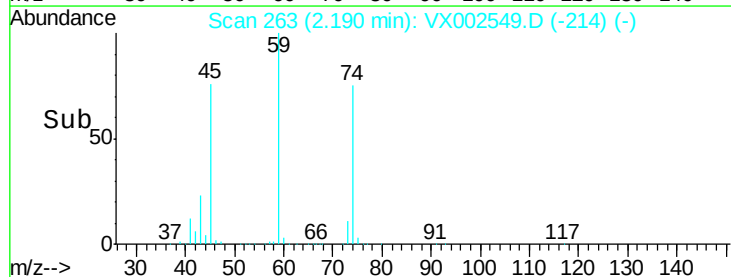
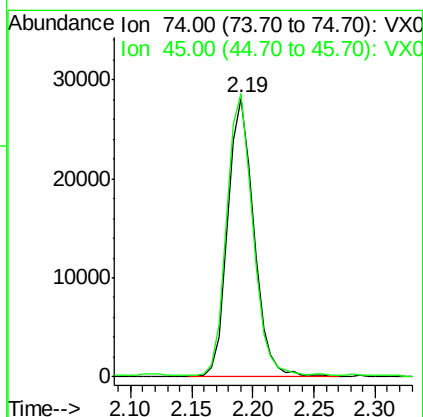
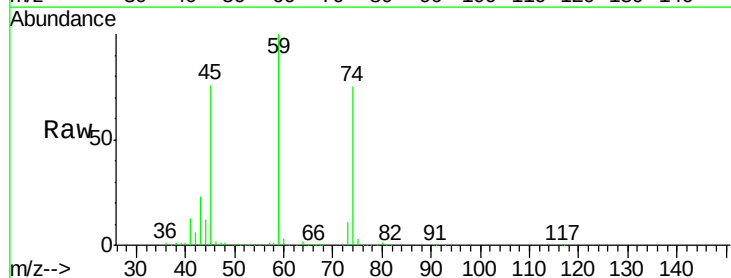
MMDadoda
6/15/2018 1:11:49 PM

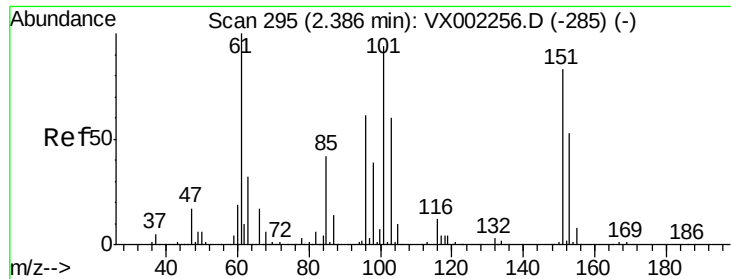


#8

Diethyl Ether
Concen: 19.670 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.4	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.051 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

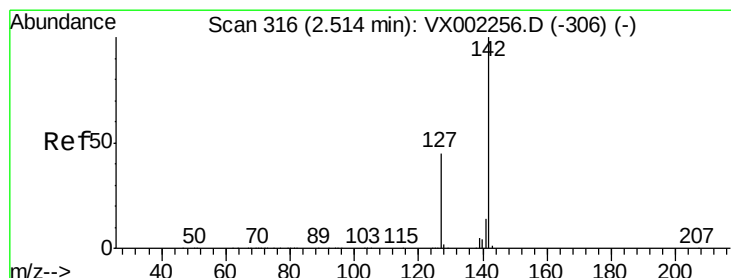
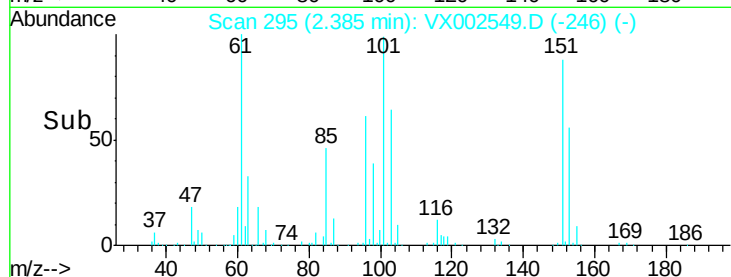
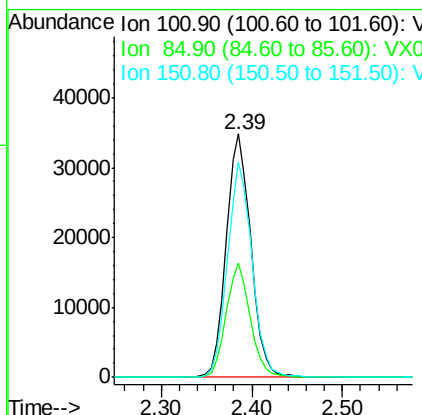
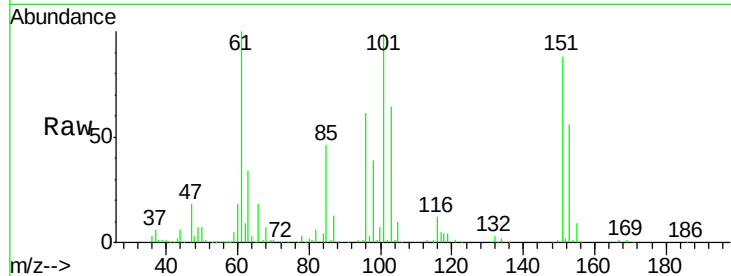
ClientSampleId :

VX0614WBS01

Tot Ion:	101	Resp:	65880
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.0	54.0
151	88.3	70.9	106.3

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#10

Methyl Iodide

Concen: 16.413 ug/l

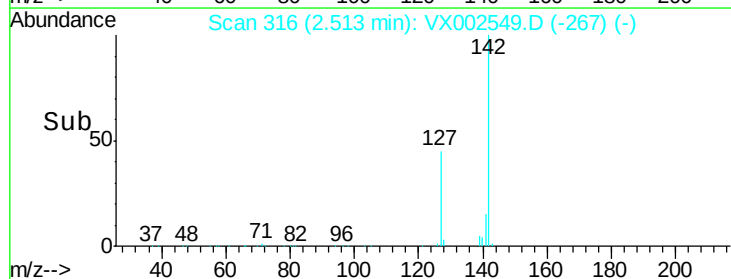
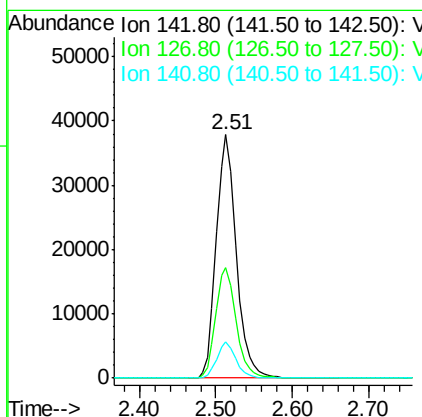
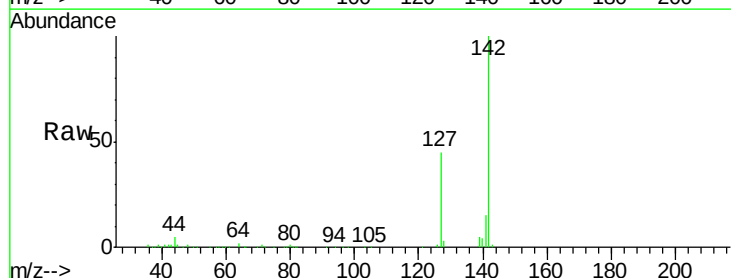
RT: 2.51 min Scan# 316

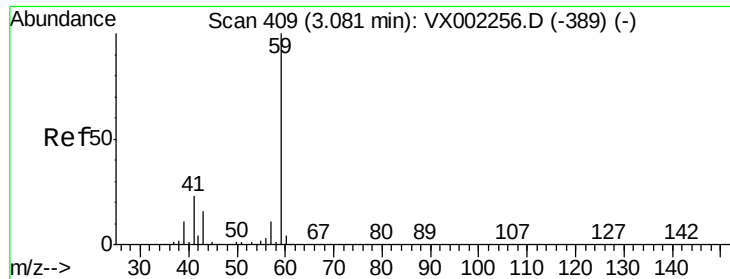
Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Tgt Ion:	142	Resp:	68971
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.6	55.0
141	14.2	11.3	16.9





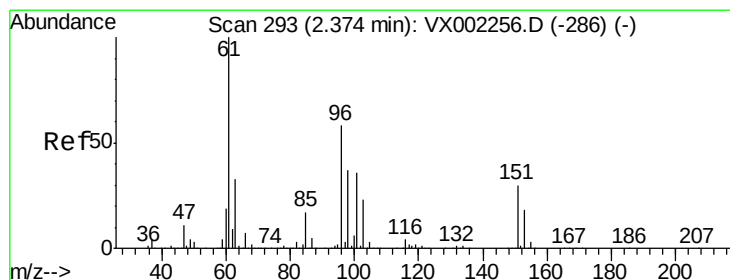
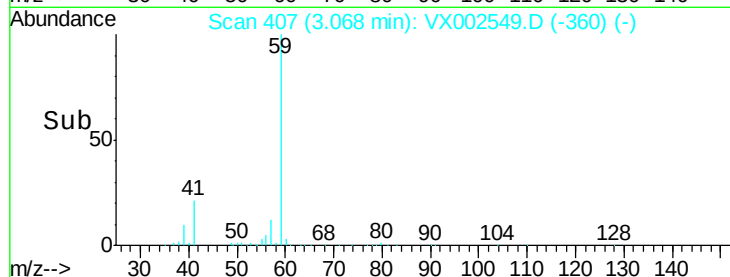
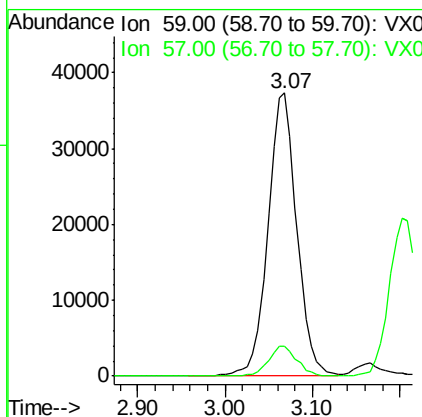
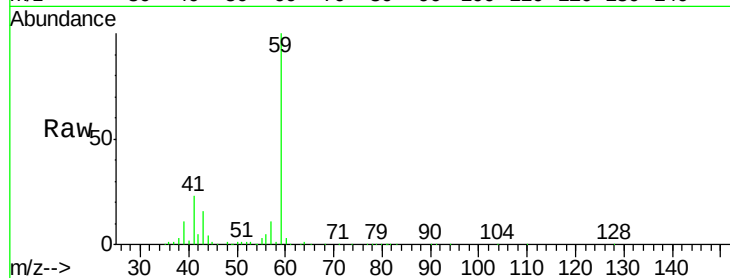
#11
Tert butyl alcohol
Concen: 93.543 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion: 59 Resp: 86102
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2

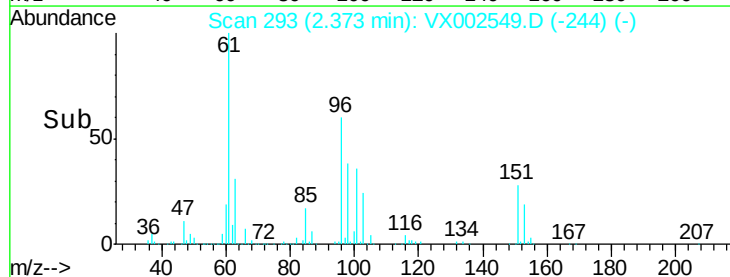
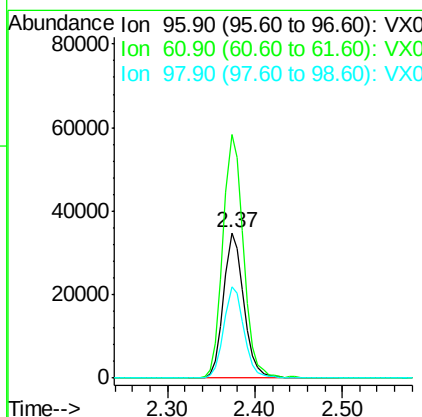
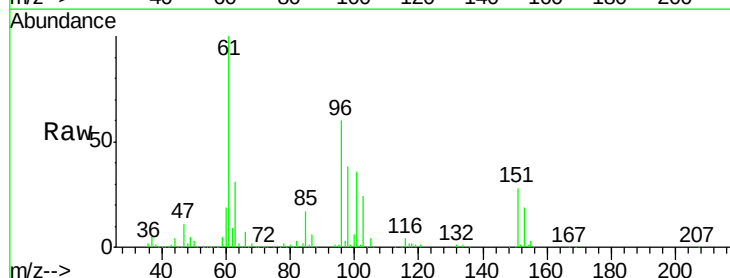
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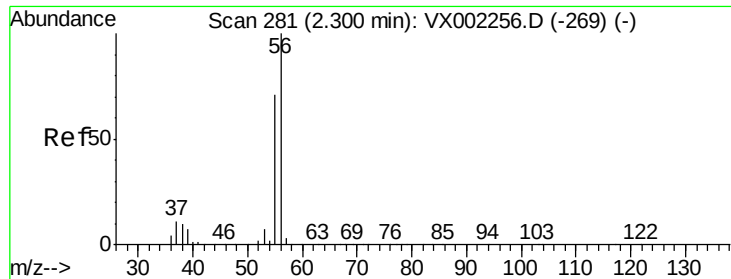
MMDadoda
6/15/2018 1:11:49 PM



#12
1,1-Dichloroethene
Concen: 18.919 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion: 96 Resp: 55860
Ion Ratio Lower Upper
96 100
61 167.6 137.9 206.9
98 63.1 51.6 77.4





#13

Acrolein

Concen: 30.194 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion: 56 Resp: 15268

Ion Ratio Lower Upper

56 100

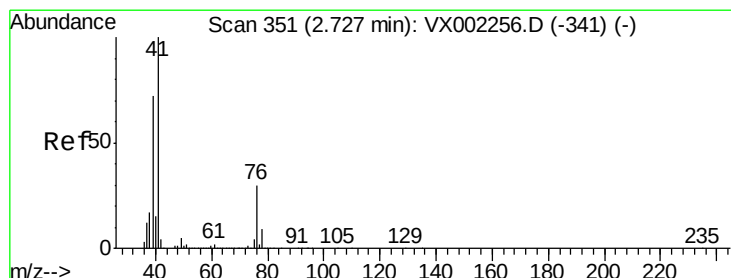
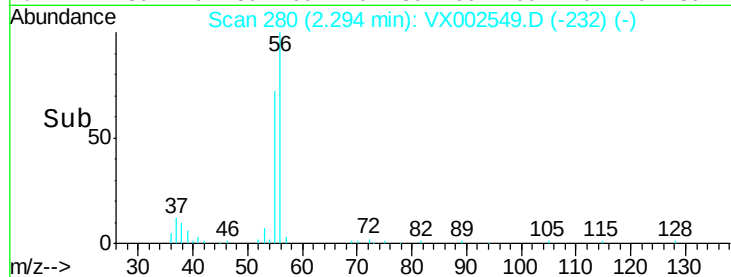
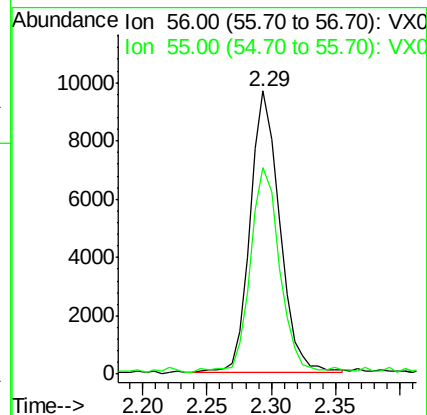
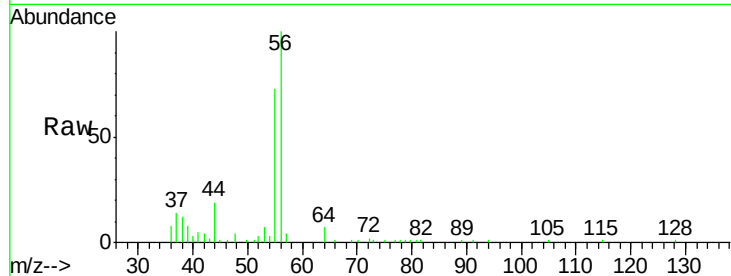
55 71.5 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 17.527 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

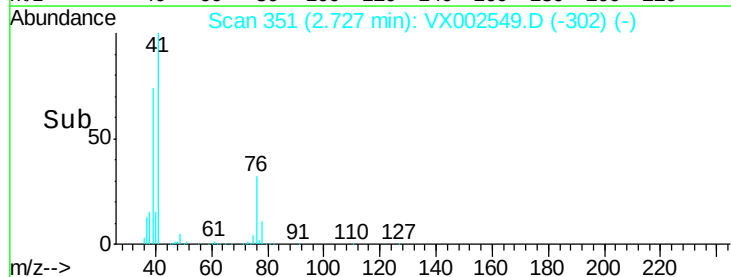
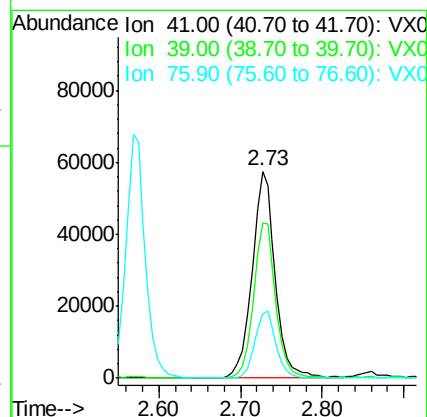
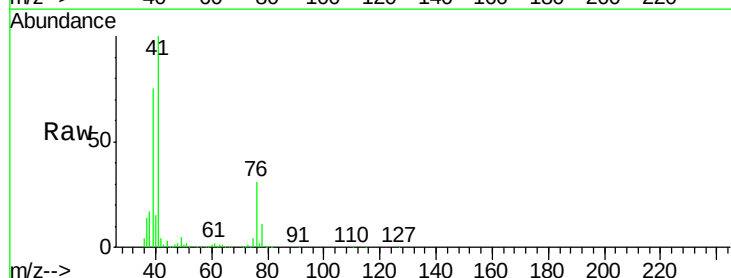
Tgt Ion: 41 Resp: 112304

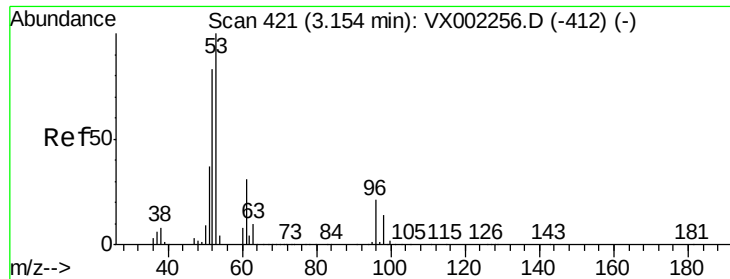
Ion Ratio Lower Upper

41 100

39 71.9 56.8 85.2

76 30.2 23.8 35.8





#15

Acrylonitrile

Concen: 100.224 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

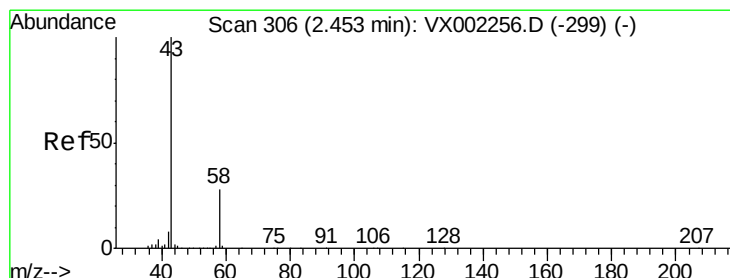
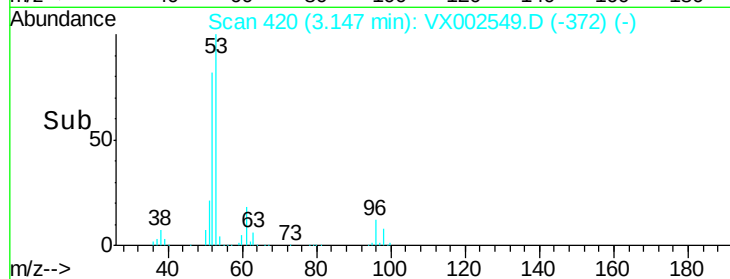
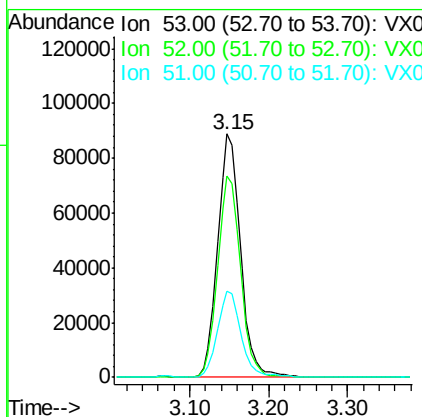
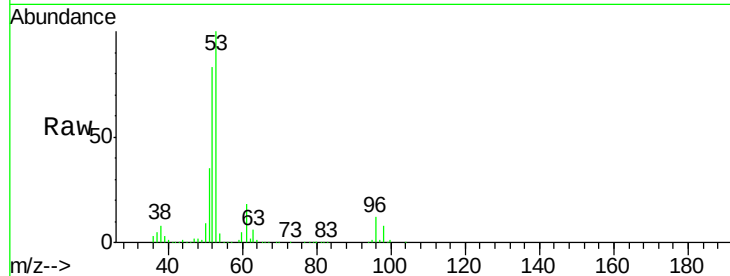
ClientSampleId :

VX0614WBS01

Tot Ion:	53	Resp:	178968
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.7	100.1
51	36.5	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 97.073 ug/l

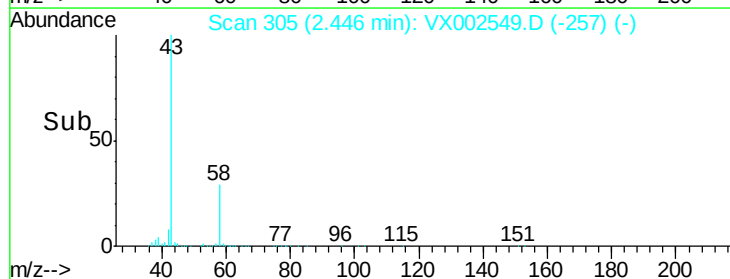
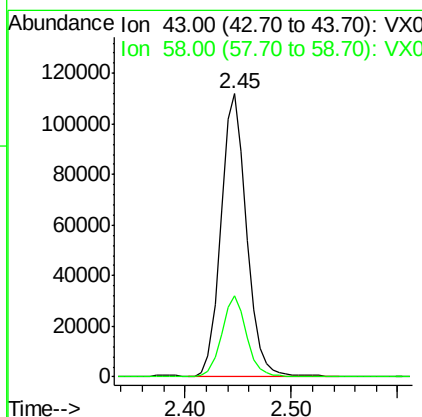
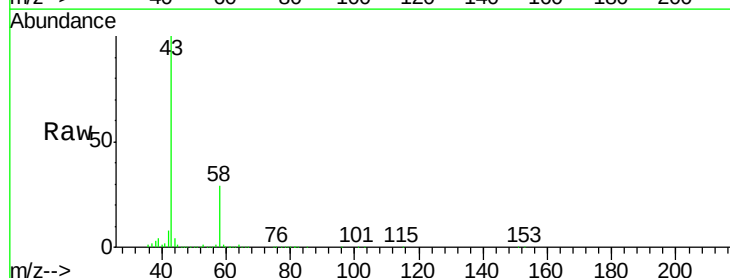
RT: 2.45 min Scan# 305

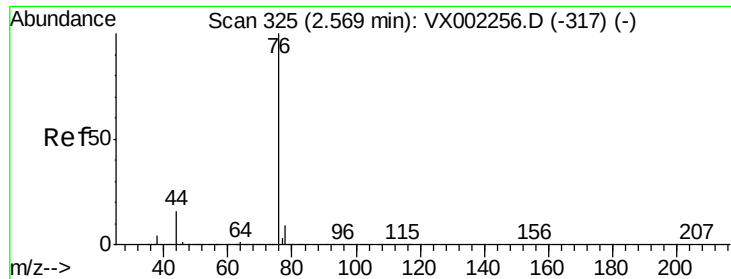
Delta R.T. -0.01 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Tgt Ion:	43	Resp:	185580
Ion Ratio		Lower	Upper
43	100		
58	28.8	22.1	33.1





#17

Carbon Disulfide

Concen: 14.540 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion: 76 Resp: 113148

Ion Ratio Lower Upper

76 100

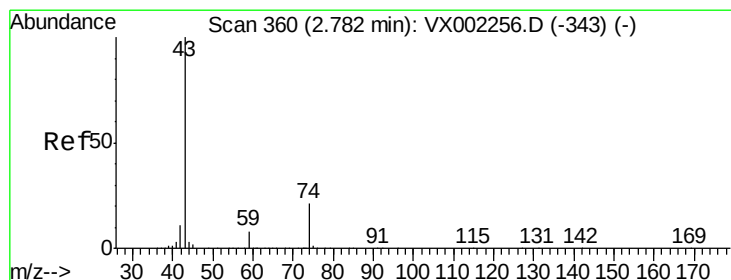
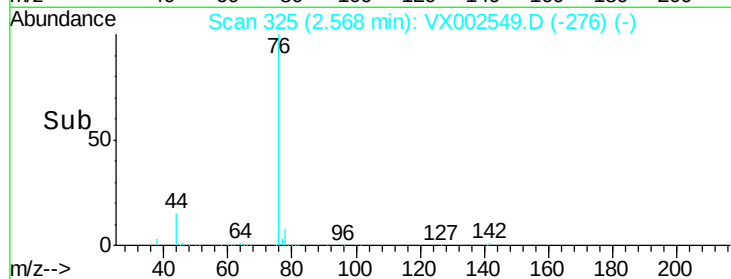
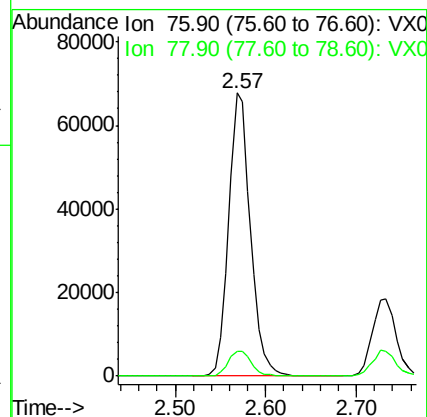
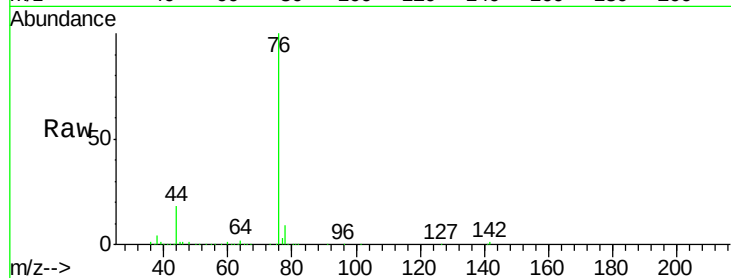
78 8.4 6.9 10.3

Manual Integrations

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#18

Methyl Acetate

Concen: 20.001 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX002549.D

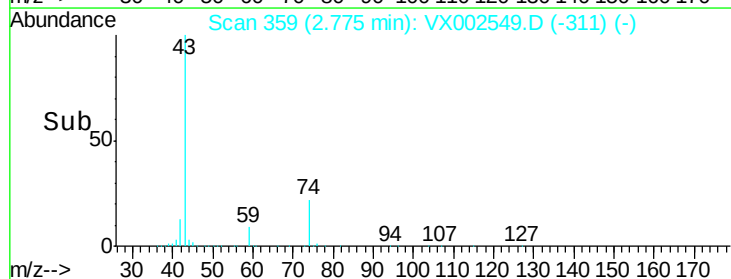
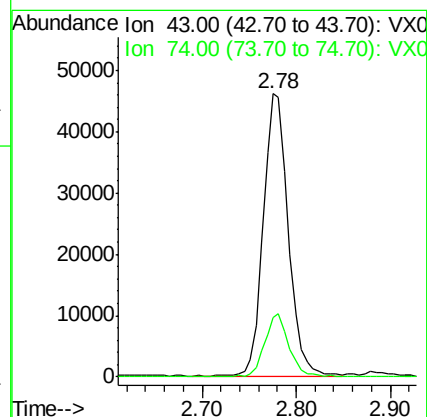
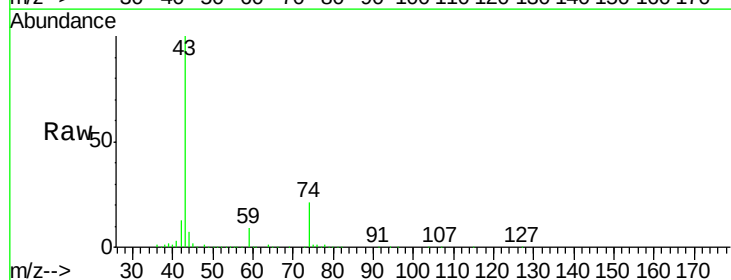
Acq: 14 Jun 2018 14:00

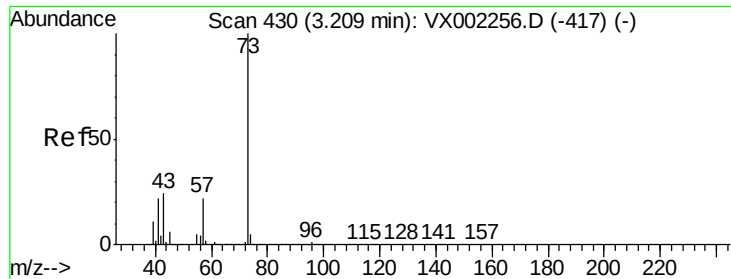
Tgt Ion: 43 Resp: 85901

Ion Ratio Lower Upper

43 100

74 22.0 16.7 25.1





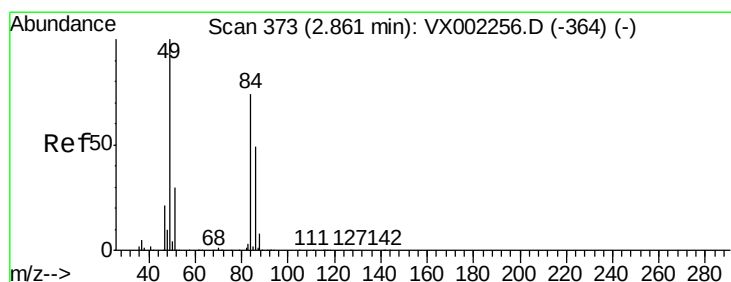
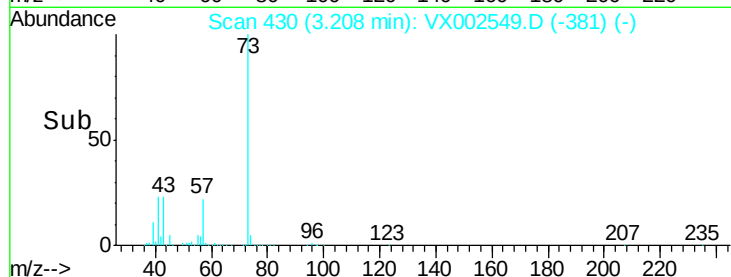
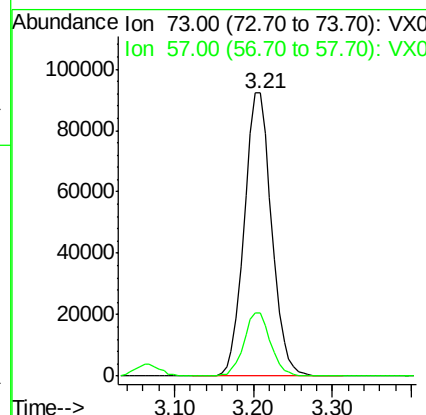
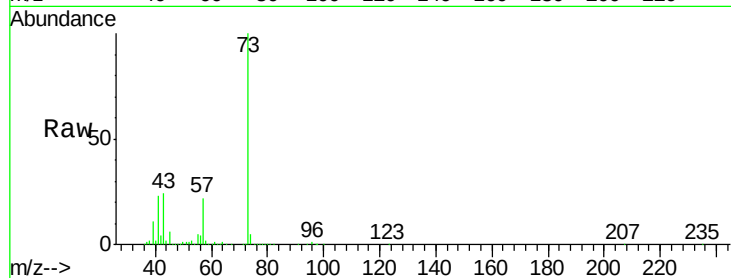
#19
Methyl tert-butyl Ether
Concen: 20.255 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

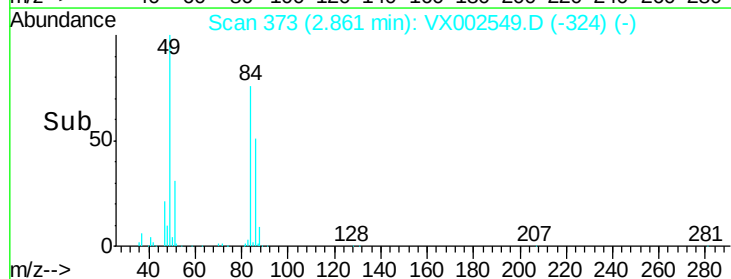
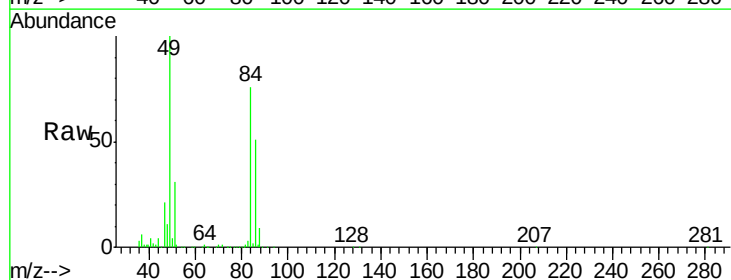
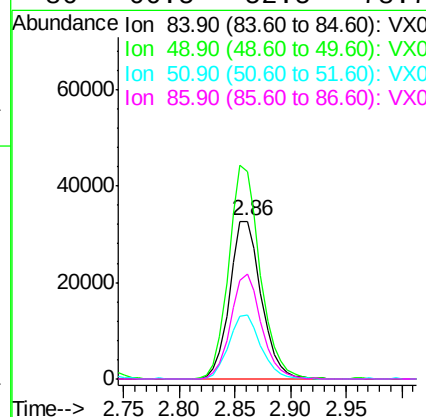
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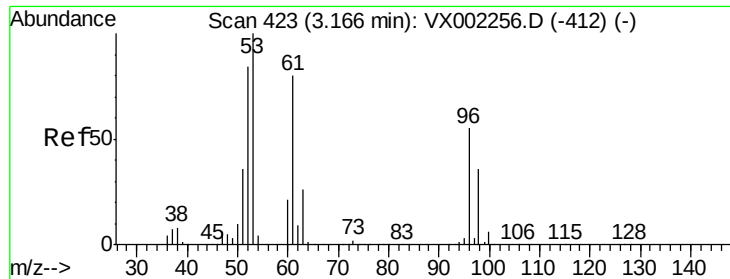
MMDadoda
6/15/2018 1:11:49 PM



#20
Methylene Chloride
Concen: 18.905 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.5	107.8	161.6
51	40.1	32.8	49.2
86	66.5	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 18.423 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

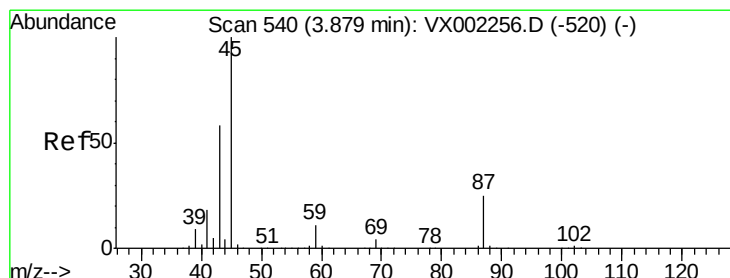
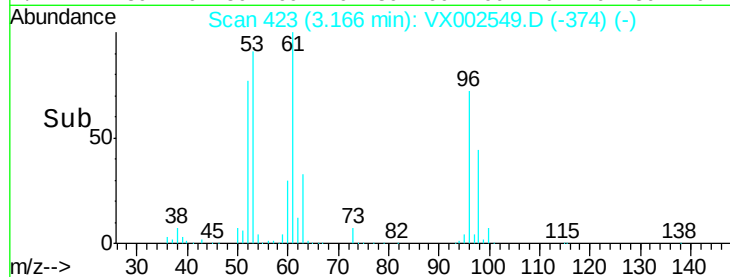
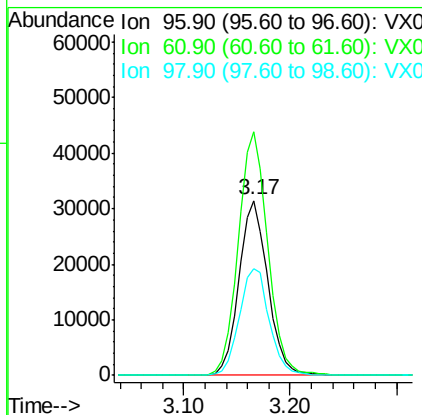
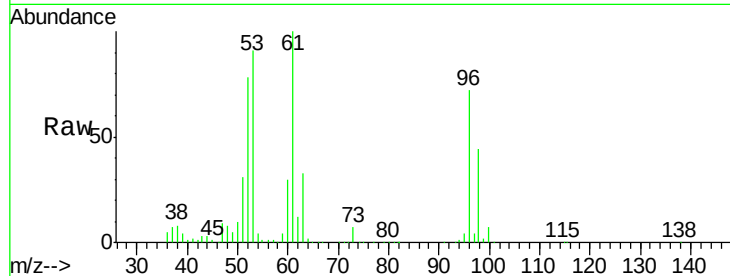
ClientSampleId :

VX0614WBS01

Tot Ion:	96	Resp:	59984
Ion	Ratio	Lower	Upper
96	100		
61	139.3	117.0	175.4
98	61.2	52.4	78.6

Manual Integrations
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6/15/2018 1:11:49 PM



#22

Diisopropyl ether

Concen: 20.558 ug/l

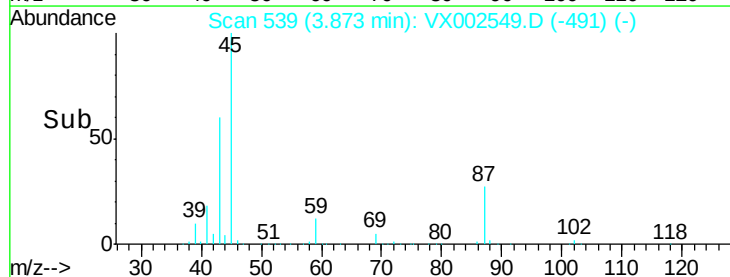
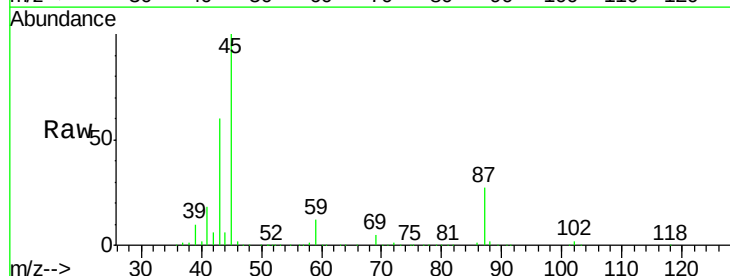
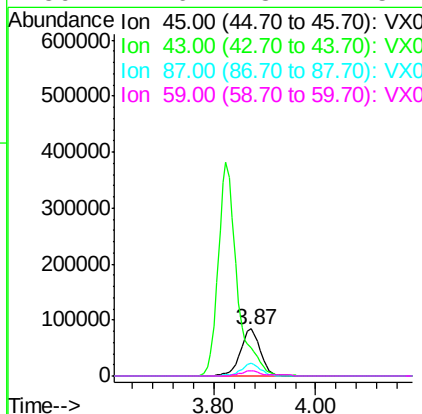
RT: 3.87 min Scan# 539

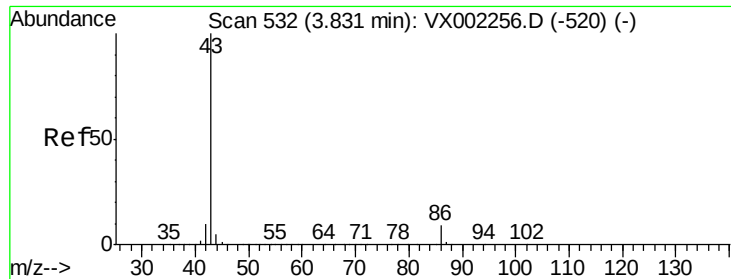
Delta R.T. -0.01 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Tgt Ion:	45	Resp:	229430
Ion	Ratio	Lower	Upper
45	100		
43	59.8	46.8	70.2
87	26.6	20.2	30.4
59	11.6	8.7	13.1





#23

Vinyl Acetate

Concen: 94.625 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion: 43 Resp: 982886

Ion Ratio Lower Upper

43 100

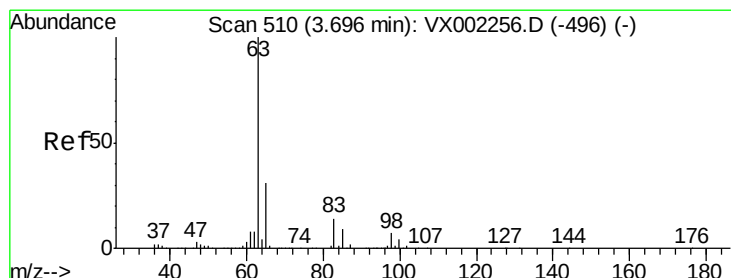
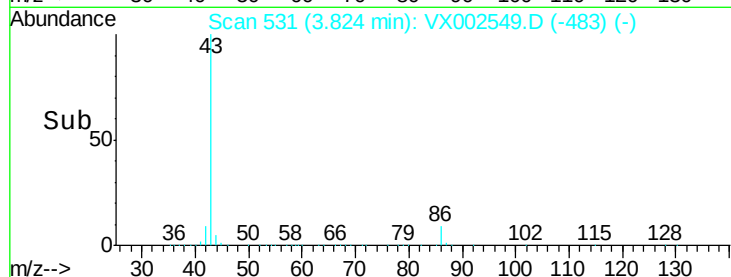
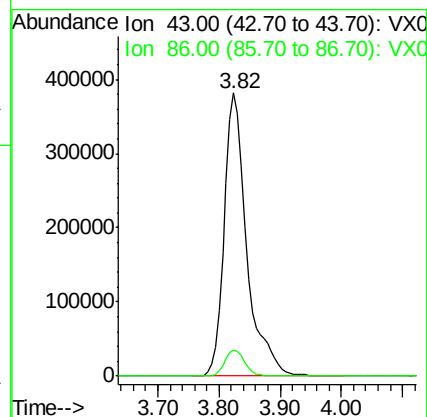
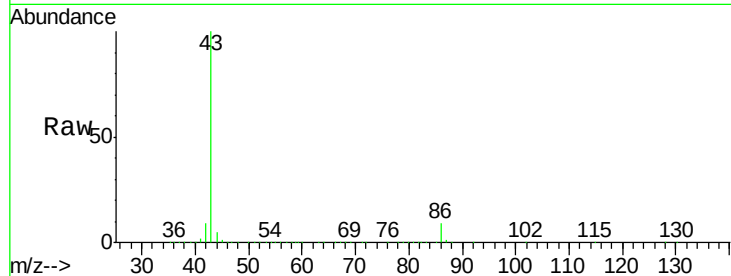
86 9.3 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.126 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

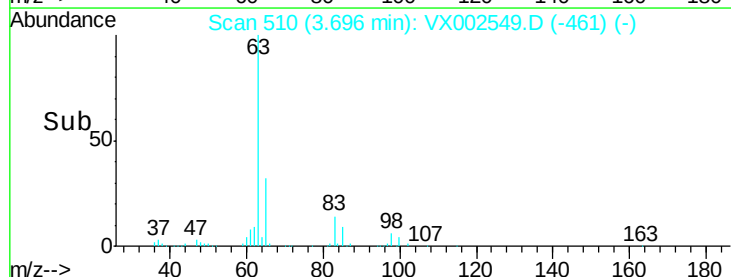
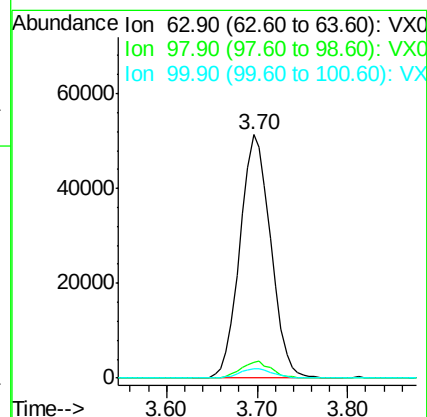
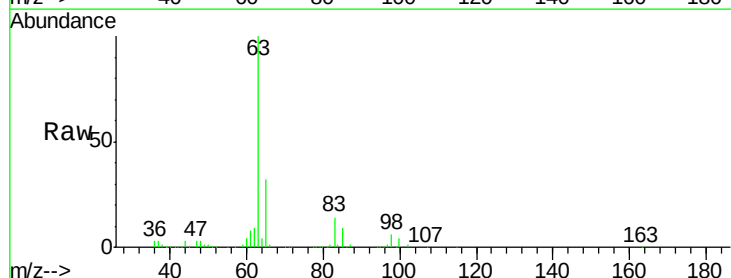
Tgt Ion: 63 Resp: 121125

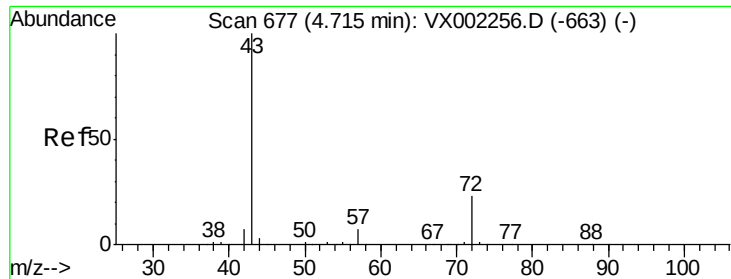
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 91.491 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion: 43 Resp: 248798

Ion Ratio Lower Upper

43 100

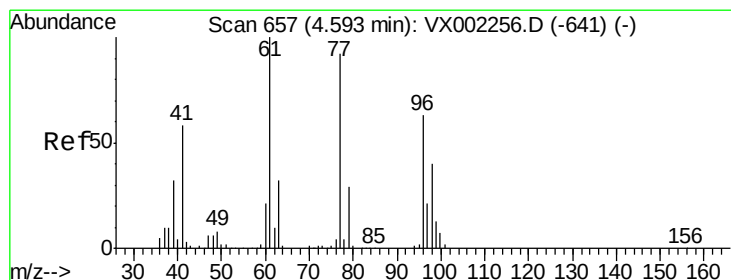
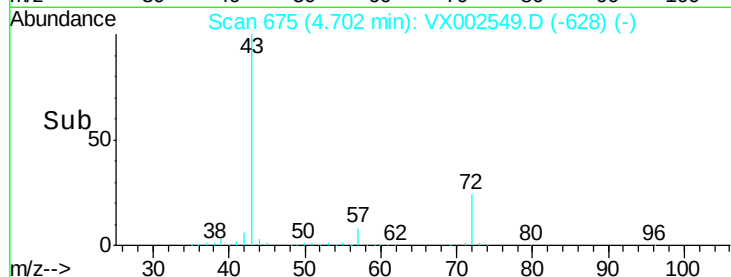
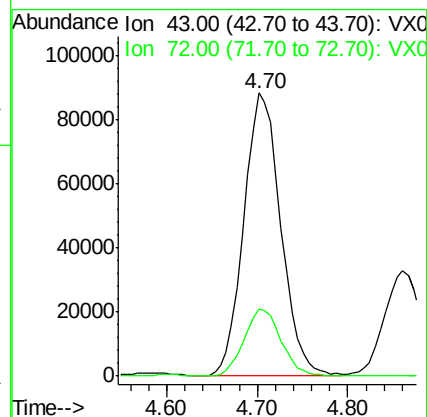
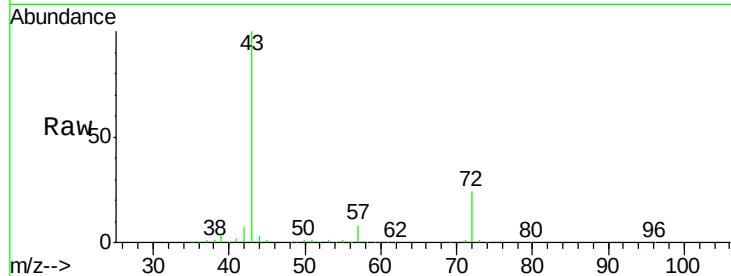
72 23.7 18.5 27.7

Manual Integrations

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MMDadoda

6/15/2018 1:11:49 PM



#26

2,2-Dichloropropane

Concen: 18.369 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002549.D

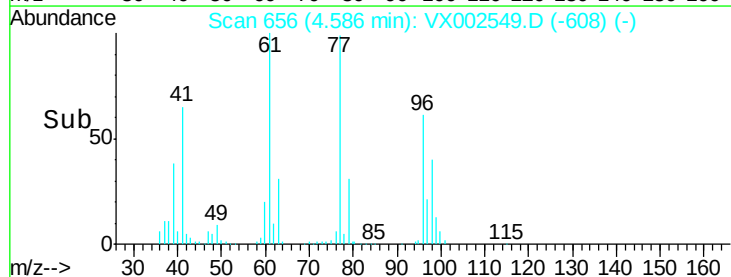
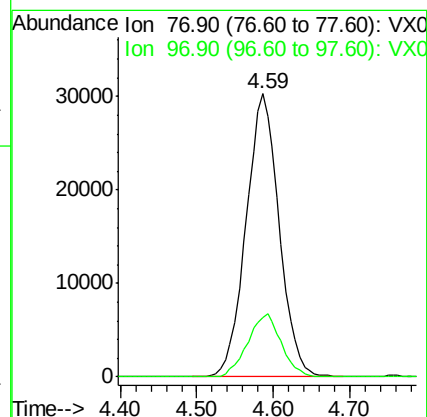
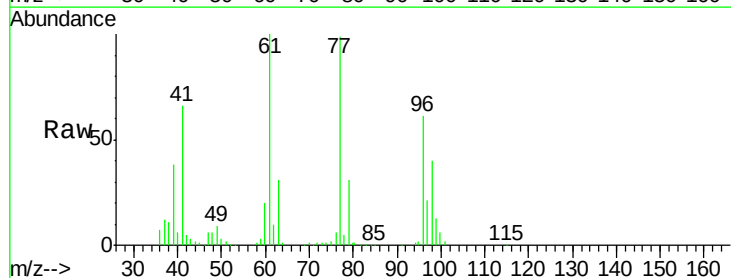
Acq: 14 Jun 2018 14:00

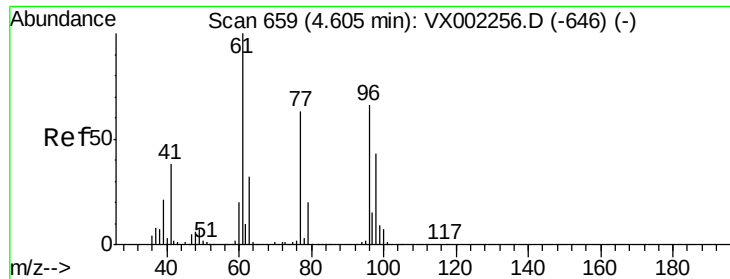
Tgt Ion: 77 Resp: 90930

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5





#27

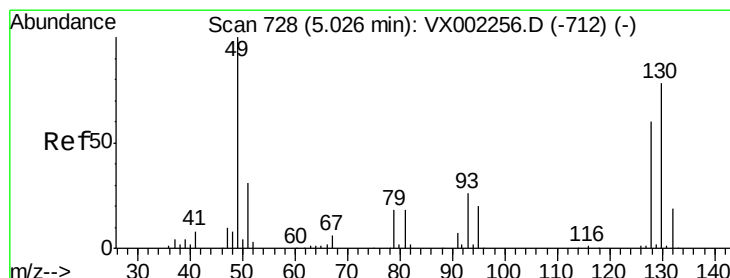
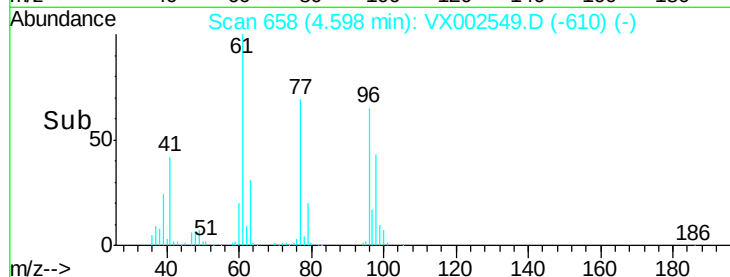
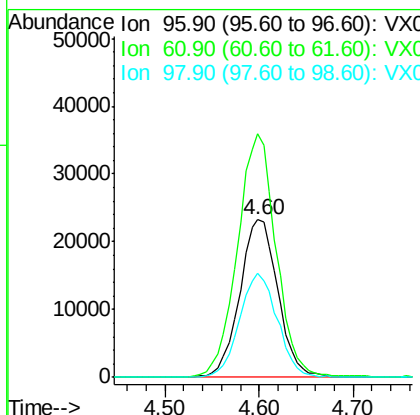
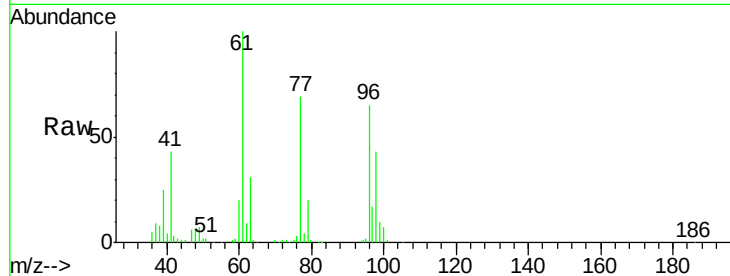
cis-1,2-Dichloroethene
Concen: 18.605 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	330.2
98	65.5	0.0	130.2

Manual Integrations
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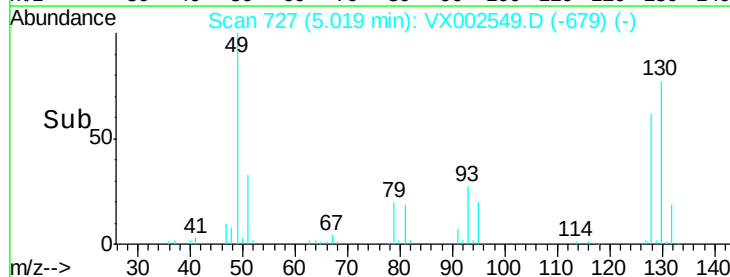
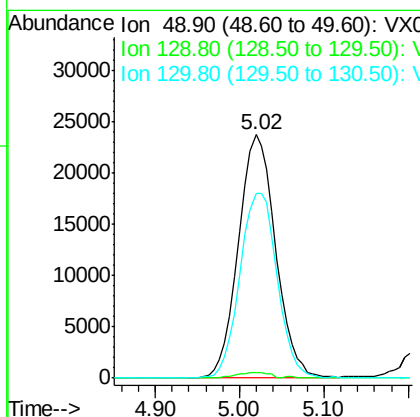
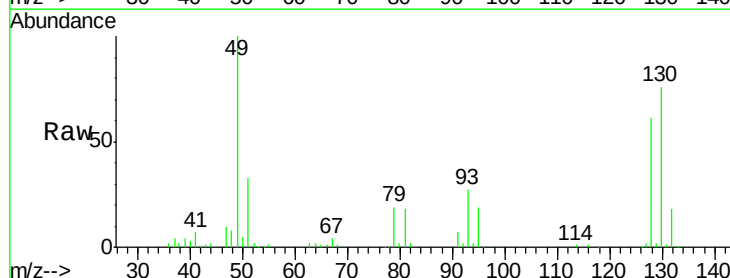
MMDadoda
6/15/2018 1:11:49 PM

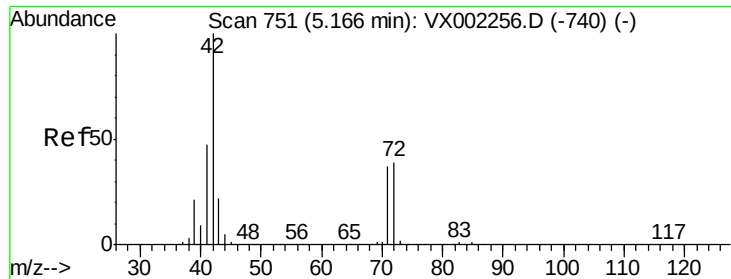


#28

Bromochloromethane
Concen: 24.547 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	76.2	61.2	91.8





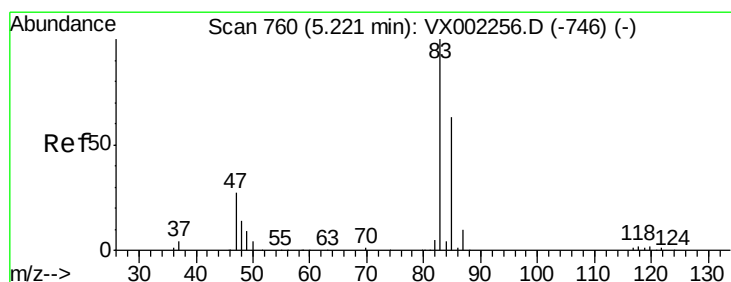
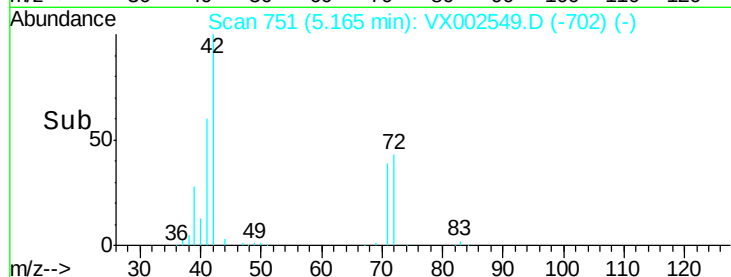
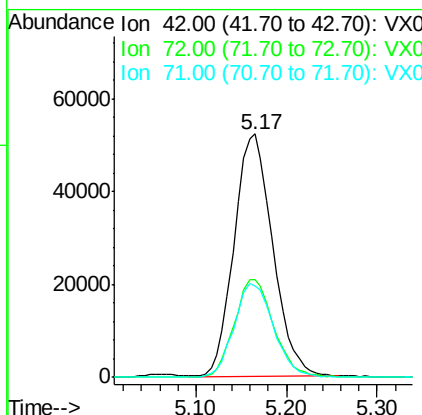
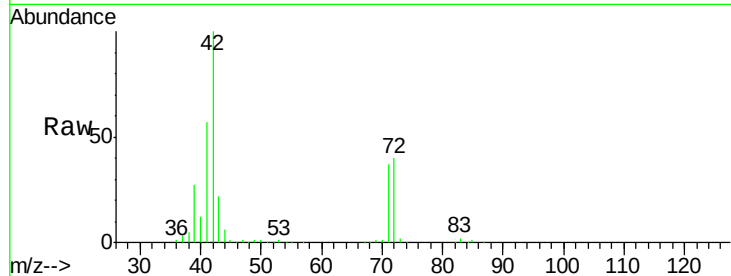
#29
Tetrahydrofuran
Concen: 88.562 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.0	48.0
71	39.3	30.1	45.1

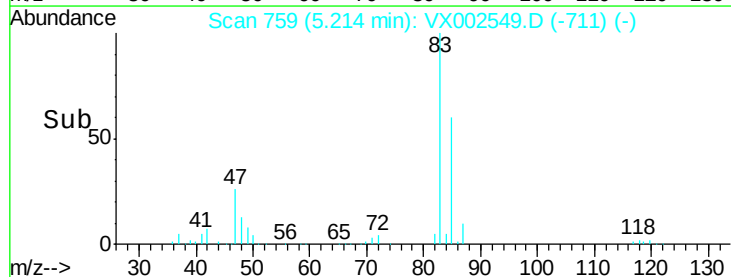
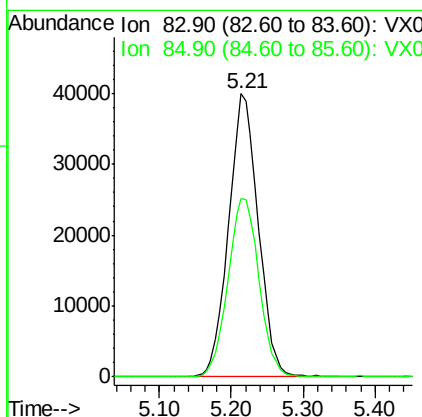
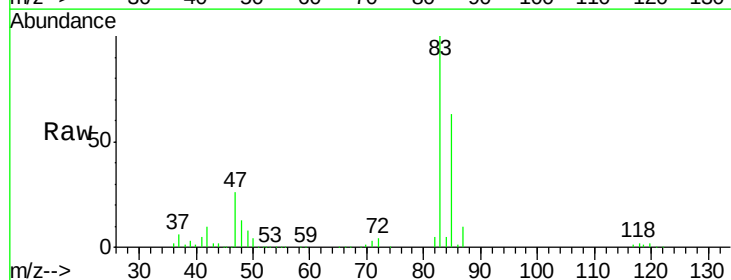
Manual Integrations
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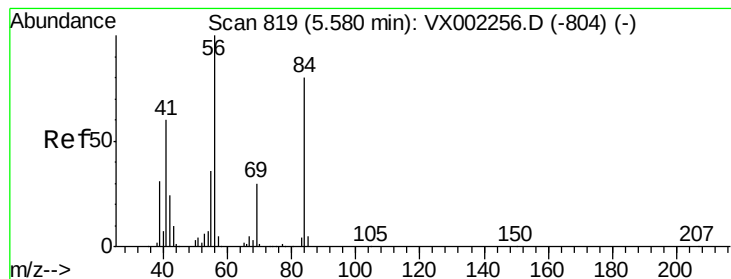
MMDadoda
6/15/2018 1:11:49 PM



#30
Chloroform
Concen: 18.670 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.4	75.6





#31

Cyclohexane

Concen: 19.073 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

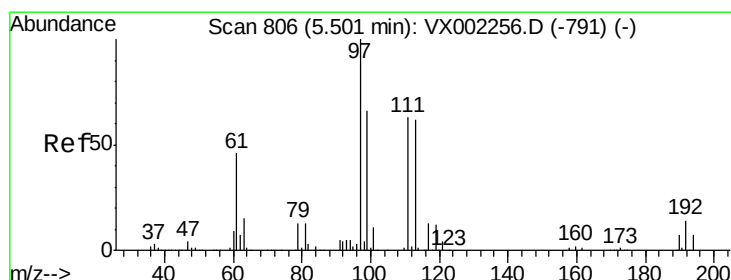
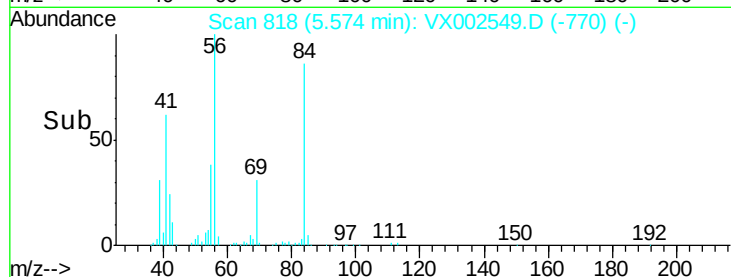
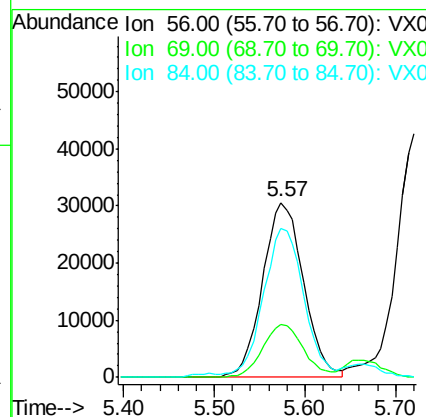
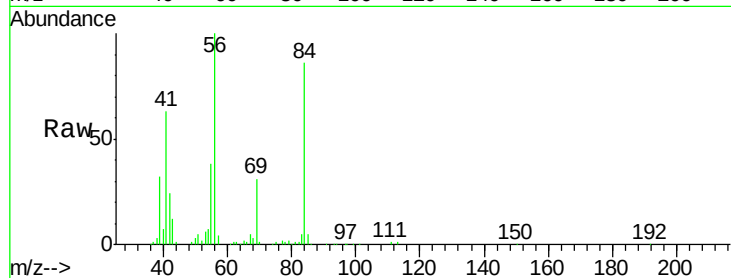
ClientSampleId :

VX0614WBS01

Tot Ion:	56	Resp:	95510
Ion Ratio	Lower	Upper	
56	100		
69	30.4	23.7	35.5
84	84.0	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.865 ug/l

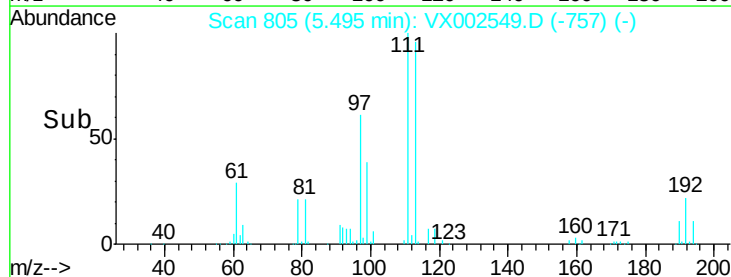
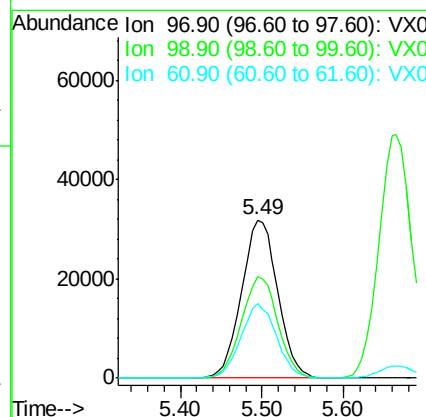
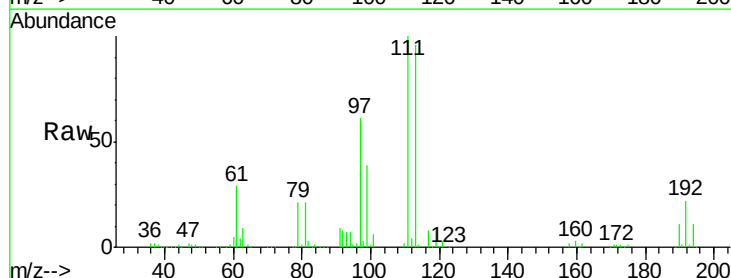
RT: 5.49 min Scan# 805

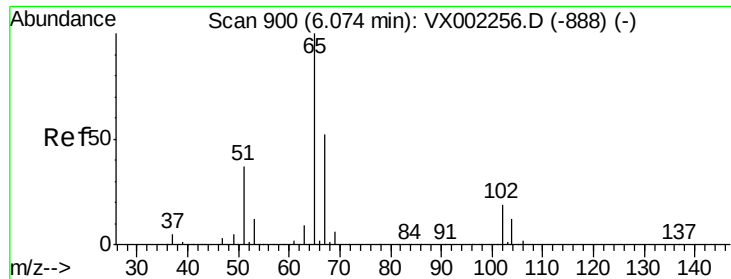
Delta R.T. -0.01 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Tgt Ion:	97	Resp:	97769
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.6	77.4
61	46.6	36.4	54.6





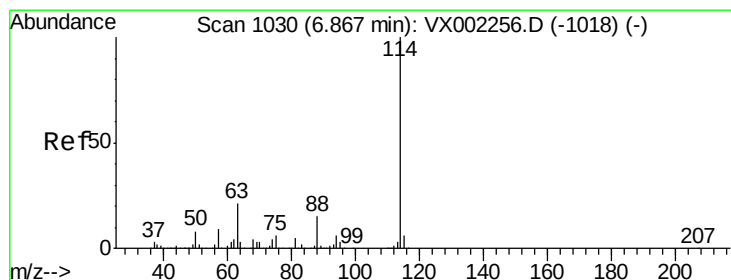
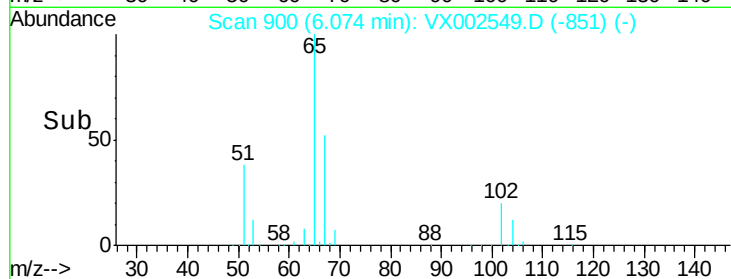
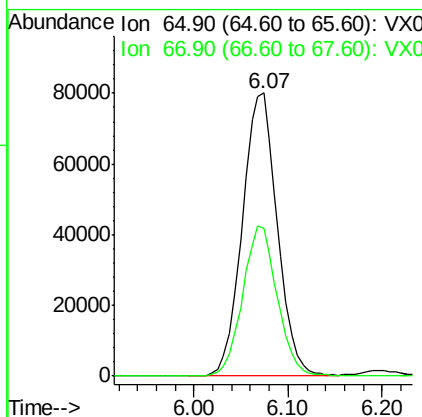
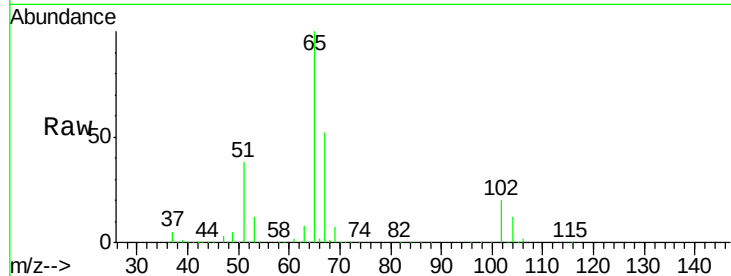
#33
 1,2-Dichloroethane-d4
 Concen: 52.616 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	207959		
67	52.6	0.0	102.6	

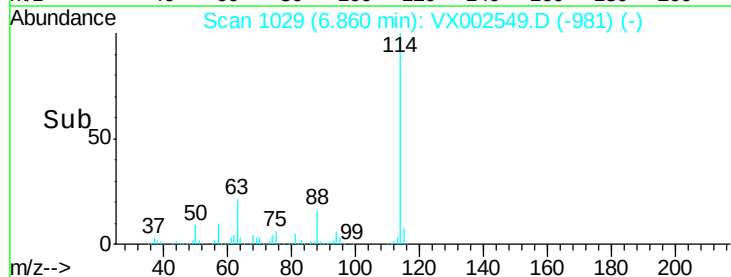
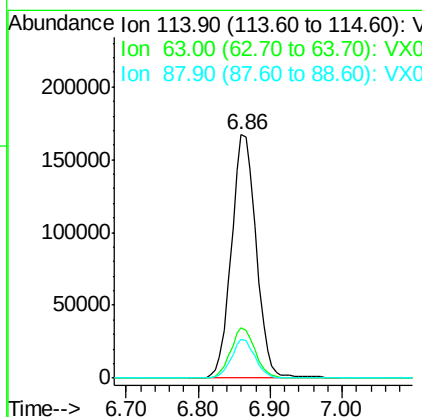
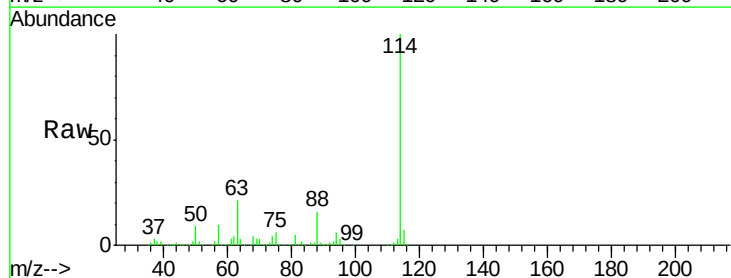
Manual Integrations
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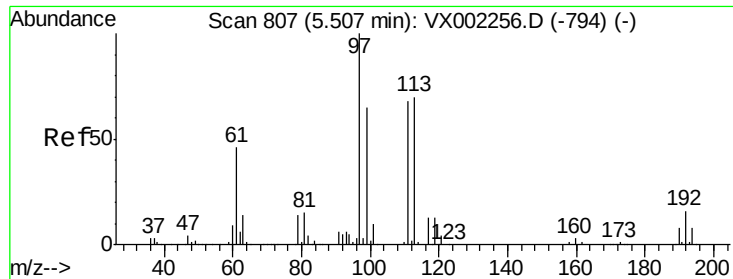
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	400662		
63	20.9	0.0	41.4	
88	15.8	0.0	30.0	





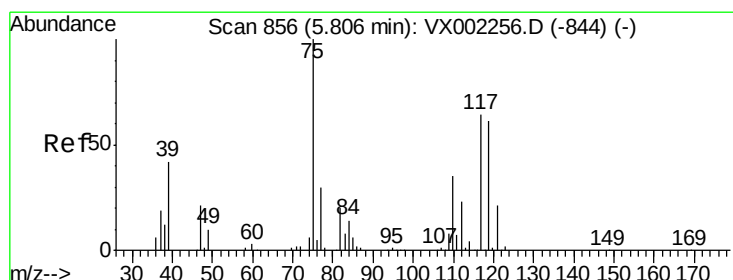
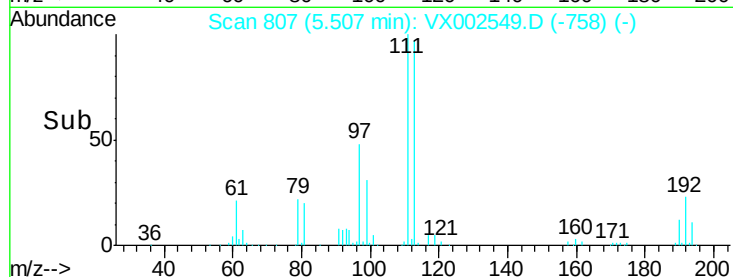
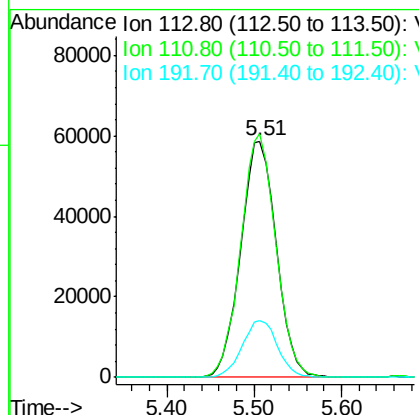
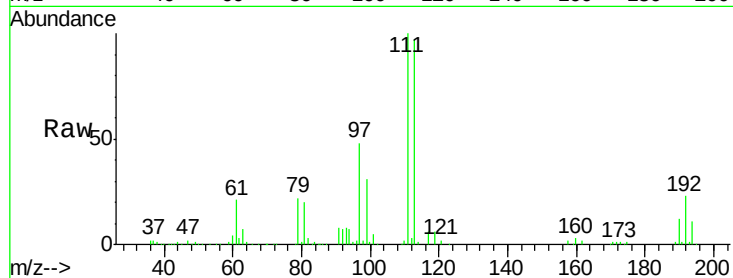
#35
Dibromofluoromethane
Concen: 52.815 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166411		
111	101.4	81.4	122.0	
192	23.9	19.1	28.7	

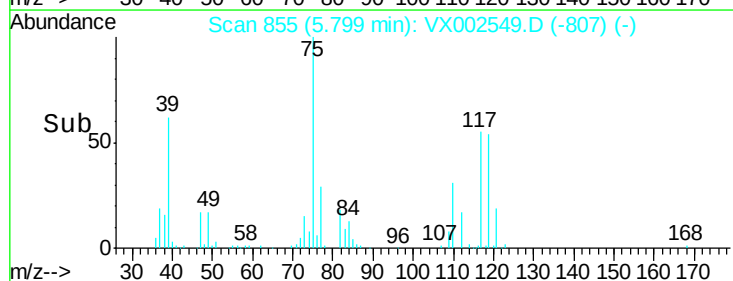
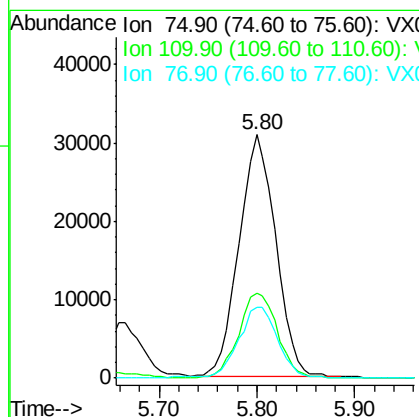
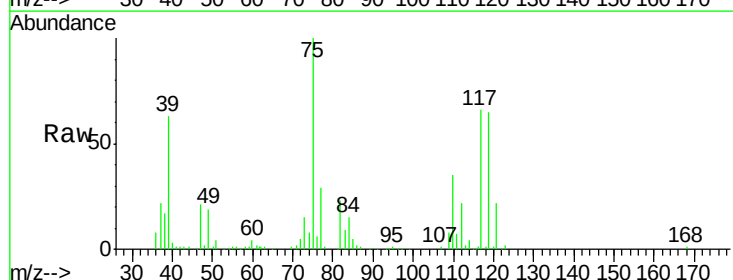
Manual Integrations
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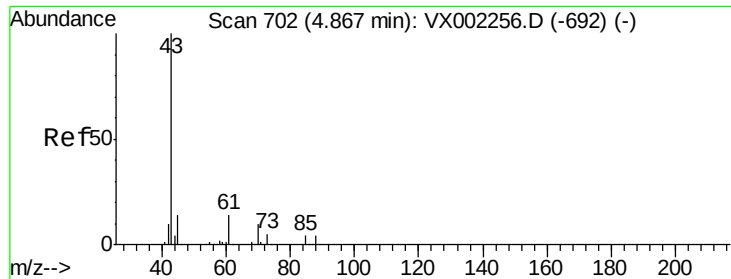
MMDadoda
6/15/2018 1:11:49 PM



#36
1,1-Dichloropropene
Concen: 19.210 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80914		
110	36.9	18.1	54.4	
77	31.4	24.3	36.5	





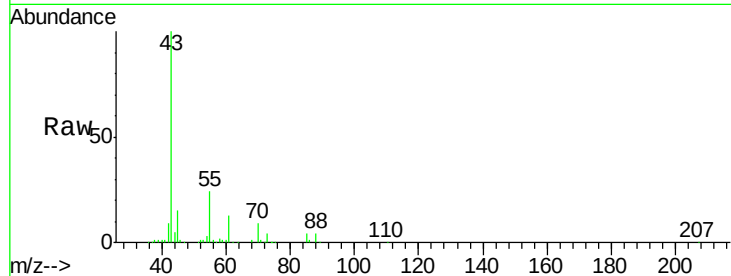
#37
Ethyl Acetate
Concen: 18.915 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	9.6	7.6	11.4

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MMDadoda
6/15/2018 1:11:49 PM

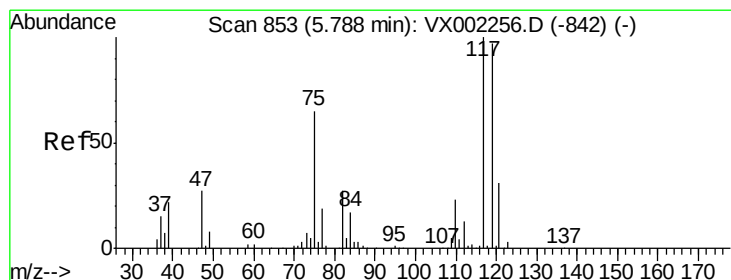
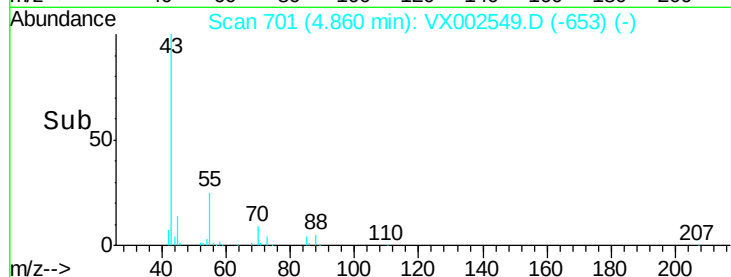
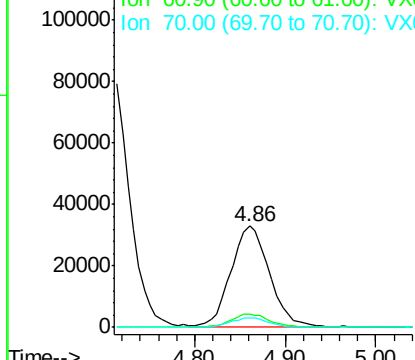


Abundance

Ion 43.00 (42.70 to 43.70): VX0

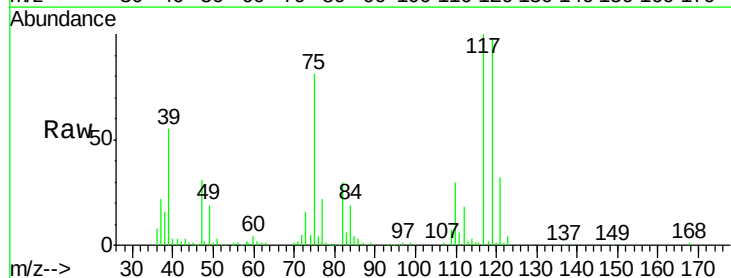
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 18.763 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.4	116.0
121	31.7	24.4	36.6

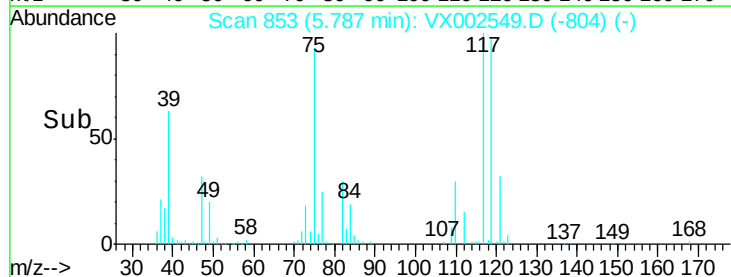
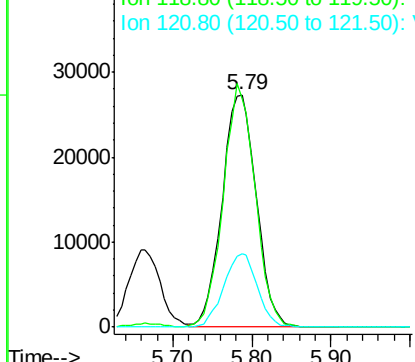


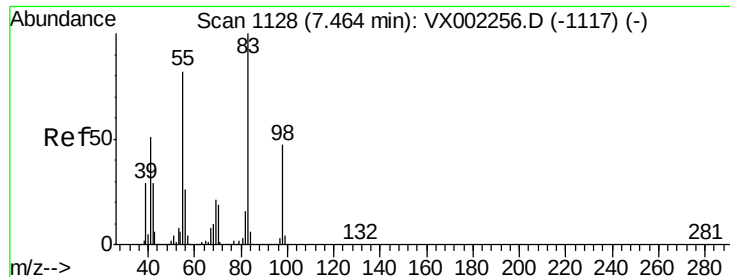
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





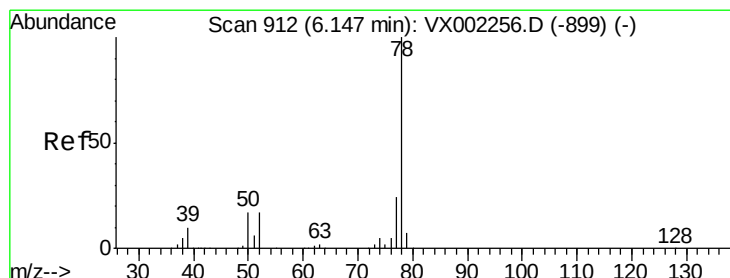
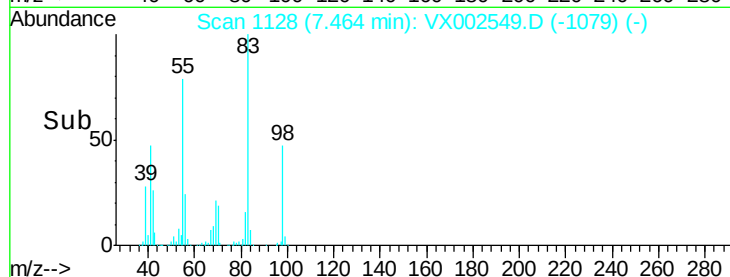
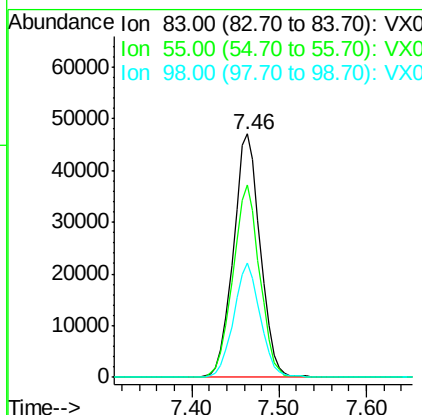
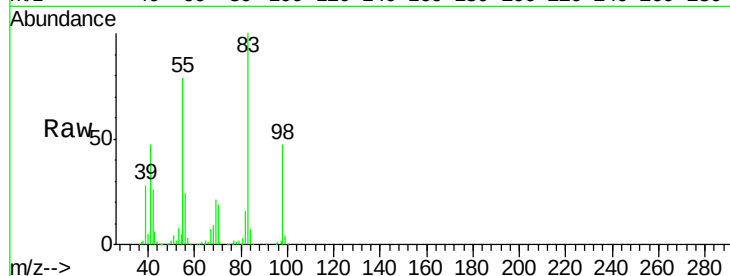
#39
Methylvlcyclohexane
Concen: 19.498 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	65.4	98.0
98	46.8	37.4	56.0

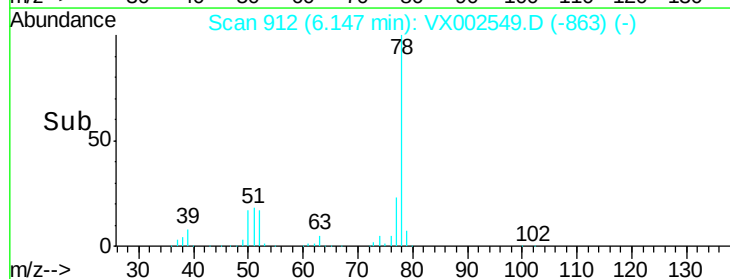
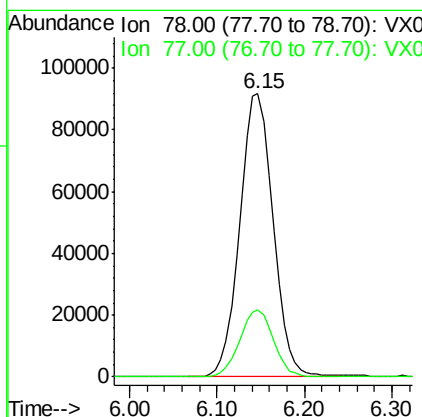
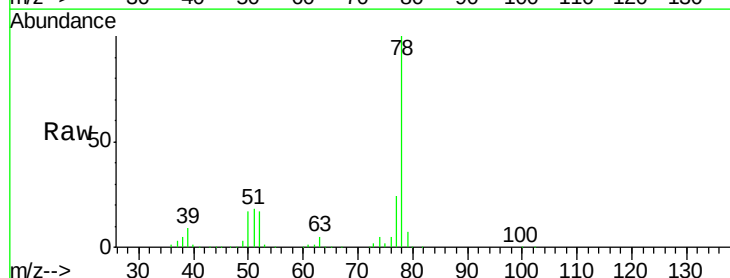
Manual Integrations
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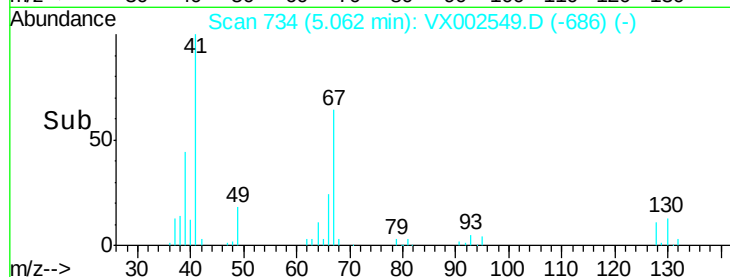
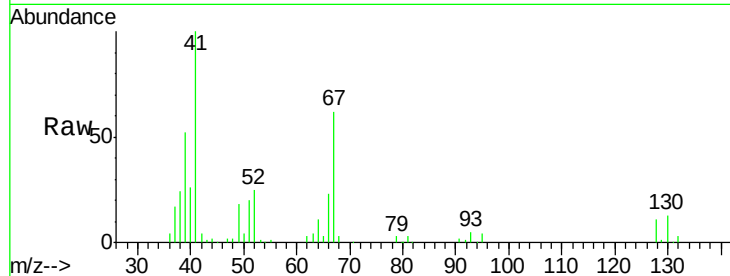
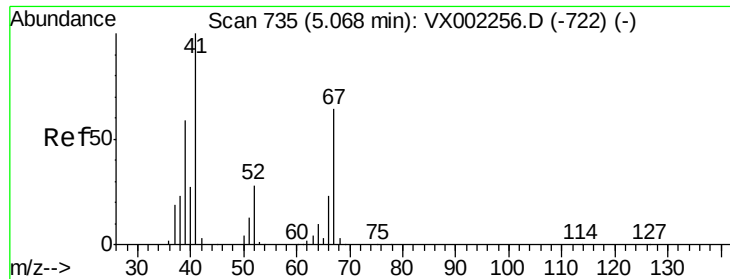
MMDadoda
6/15/2018 1:11:49 PM



#40
Benzene
Concen: 18.856 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





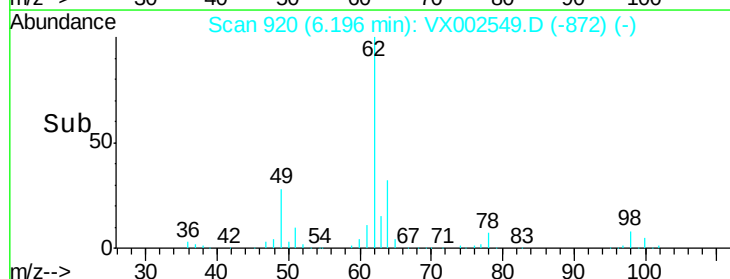
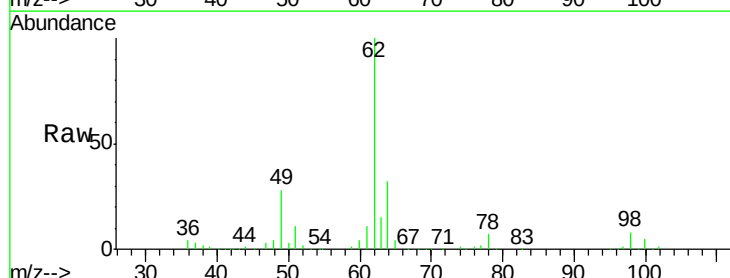
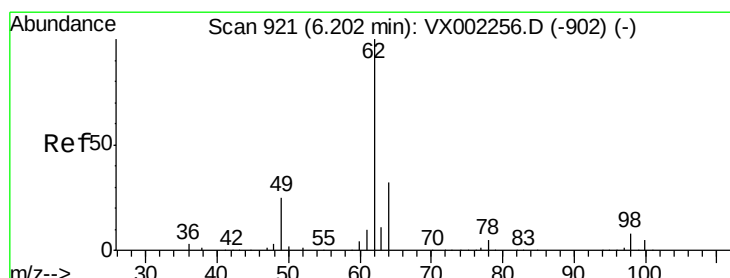
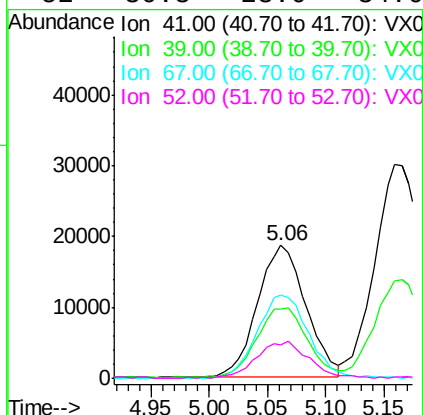
#41
Methacrylonitrile
Concen: 18.631 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tot Ion	41	Resp	54026
Ion	Ratio	Lower	Upper
41	100		
39	56.0	45.8	68.6
67	66.4	51.3	76.9
52	30.3	23.0	34.6

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

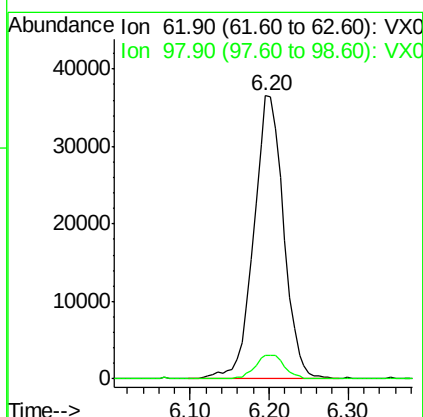
Manual Integrations
APPROVED

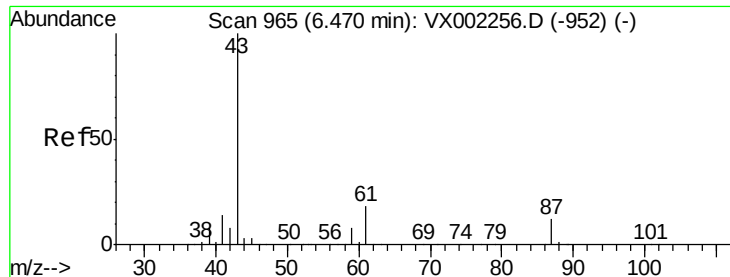
MMDadoda
6/15/2018 1:11:49 PM



#42
1,2-Dichloroethane
Concen: 18.646 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	62	Resp	95677
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





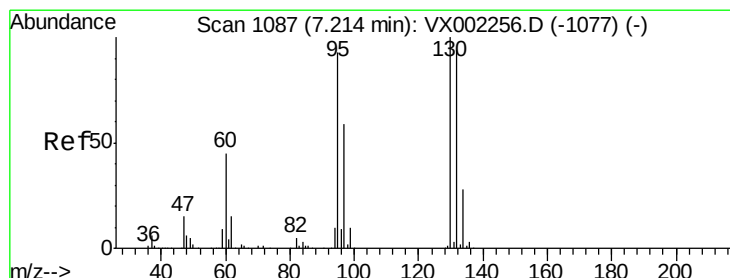
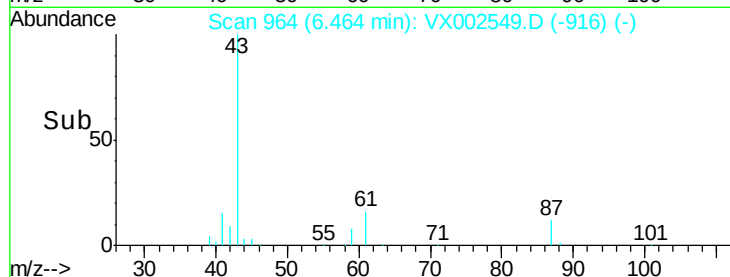
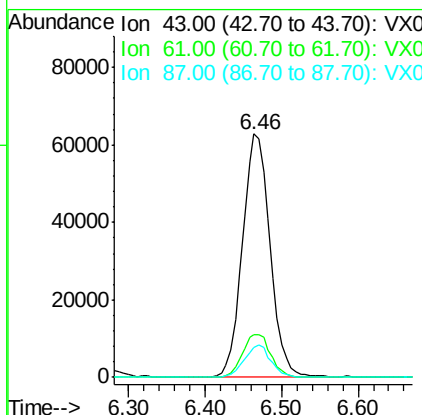
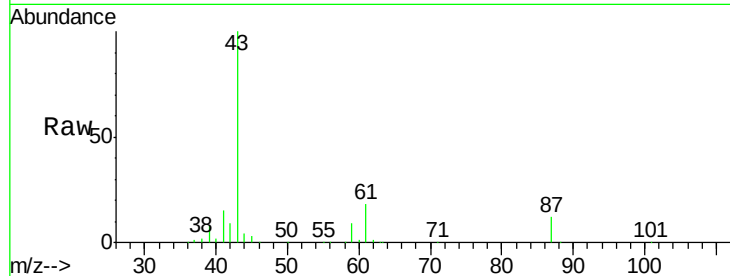
#43
Isopropyl Acetate
Concen: 18.259 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.4	21.6
87	12.8	9.5	14.3

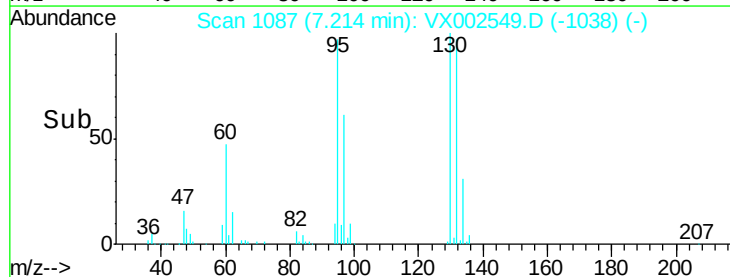
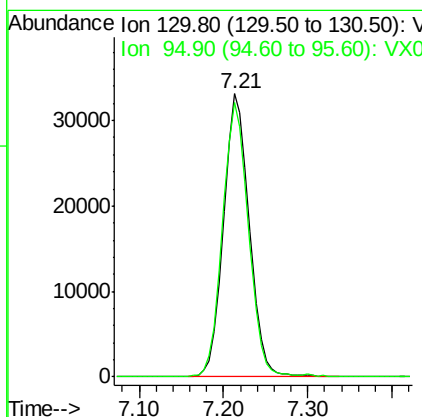
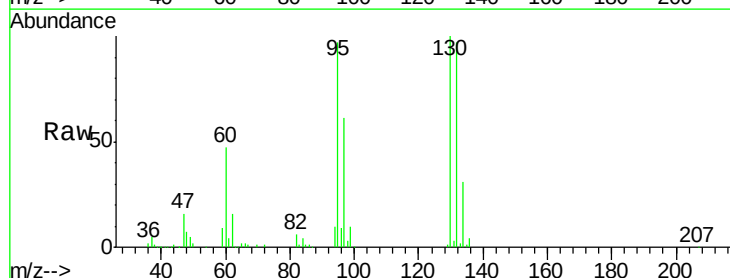
Manual Integrations
APPROVED

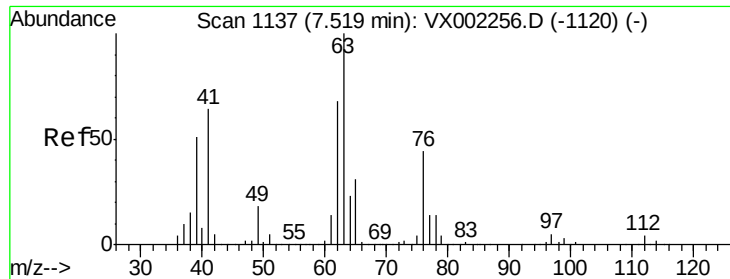
MMDadoda
6/15/2018 1:11:49 PM



#44
Trichloroethene
Concen: 19.386 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	185.4





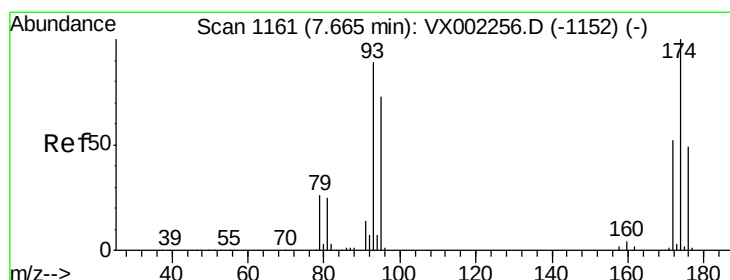
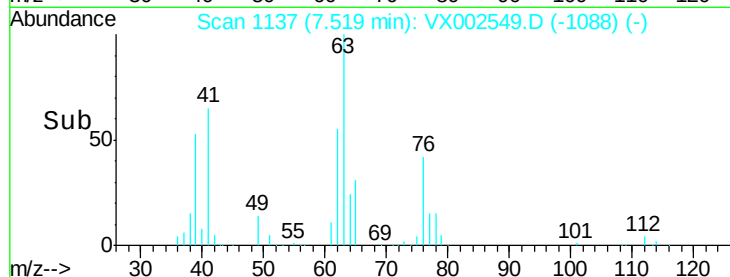
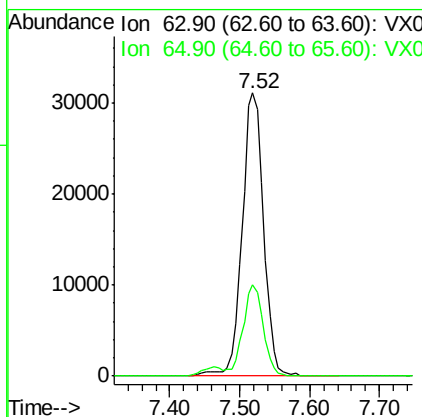
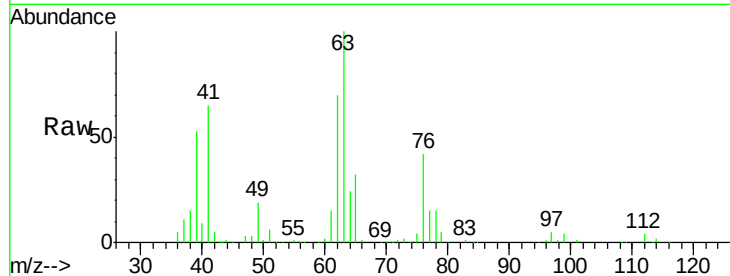
#45
 1,2-Dichloropropane
 Concen: 18.939 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBS01

Tot Ion: 63 Resp: 66033
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.7 37.1

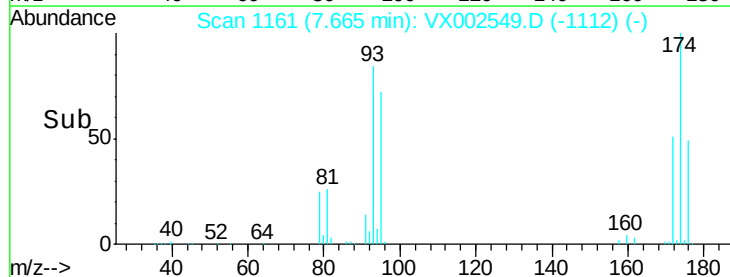
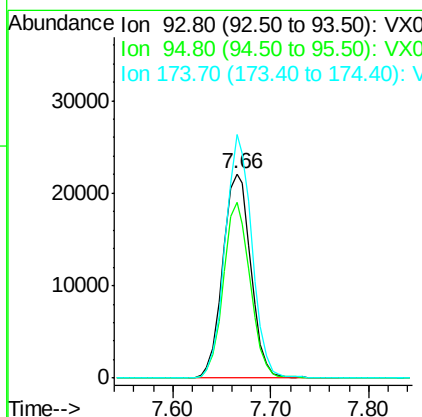
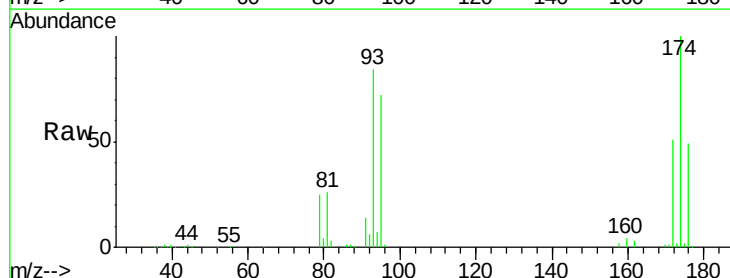
Manual Integrations
 APPROVED

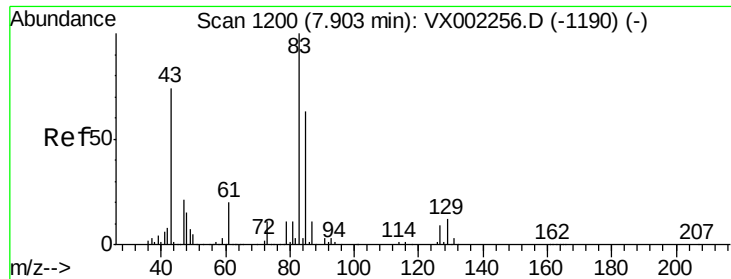
MMDadoda
 6/15/2018 1:11:49 PM



#46
 Dibromomethane
 Concen: 18.623 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Tgt Ion: 93 Resp: 44017
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.9 98.9
 174 113.1 92.4 138.6





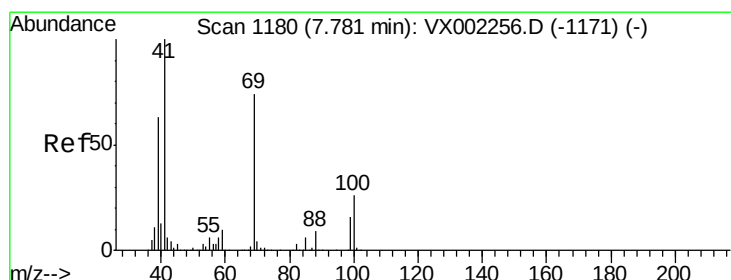
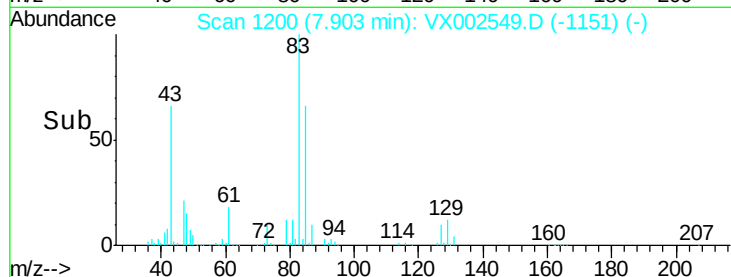
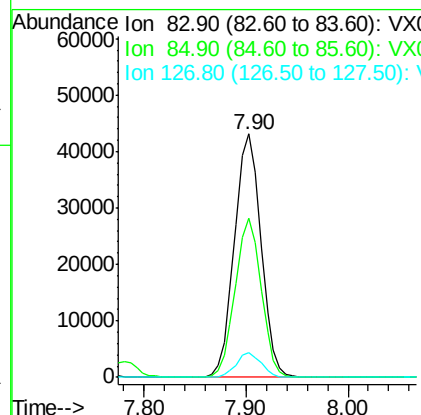
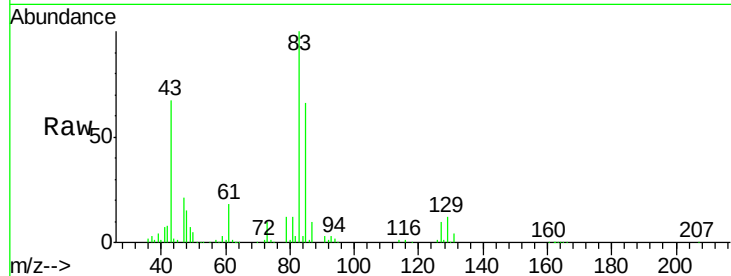
#47
Bromodichloromethane
Concen: 18.177 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	83	Resp	77702
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	50.3	75.5
127	10.1	7.0	10.4

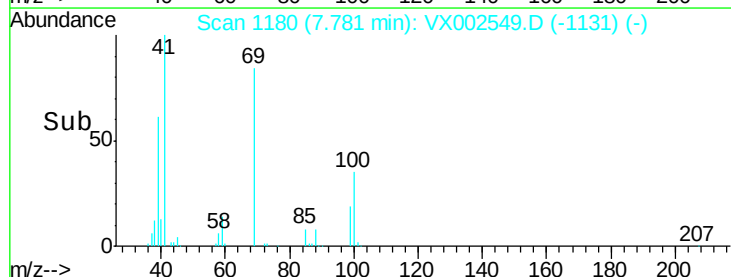
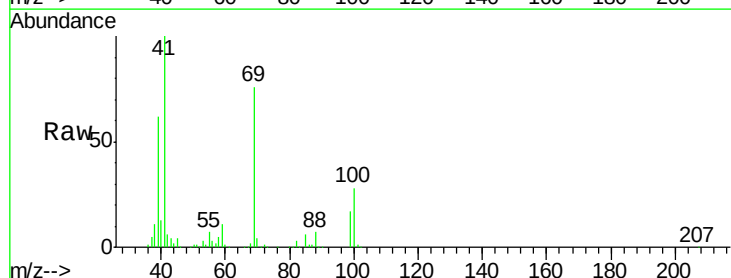
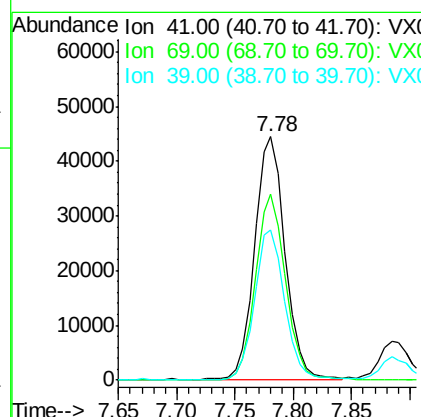
Manual Integrations
APPROVED

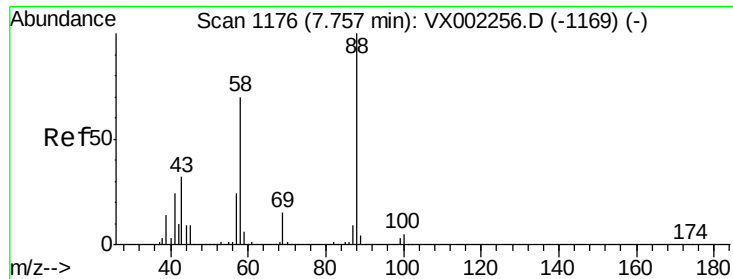
MMDadoda
6/15/2018 1:11:49 PM



#48
Methyl methacrylate
Concen: 18.578 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	41	Resp	80289
Ion Ratio	100	Lower	Upper
41	100		
69	76.0	59.1	88.7
39	61.2	48.9	73.3





#49

1,4-Dioxane

Concen: 394.853 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

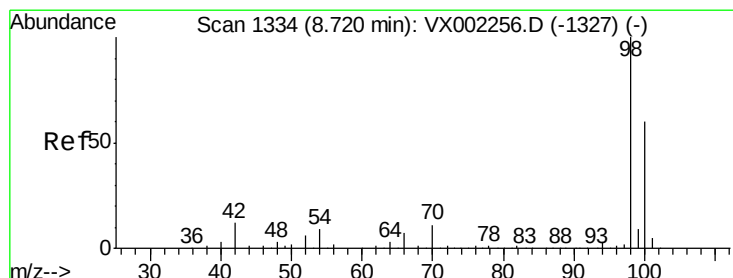
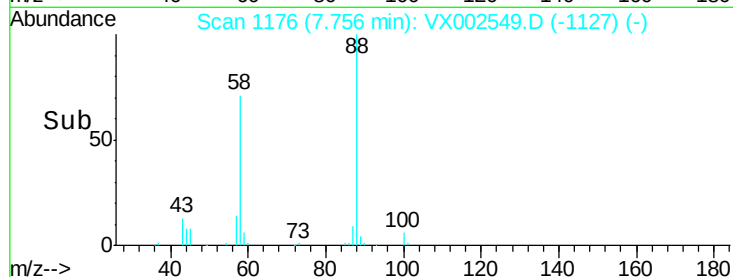
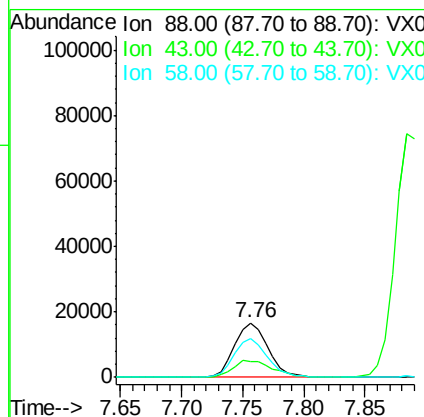
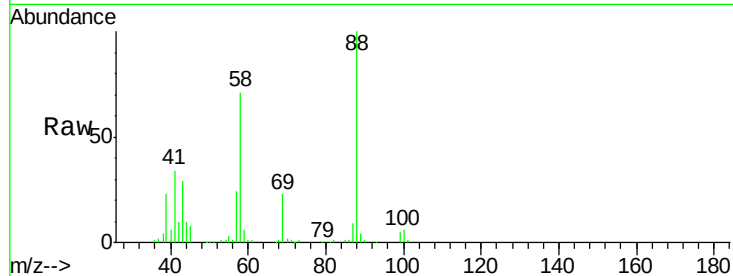
ClientSampleId :

VX0614WBS01

Tot Ion:	88	Resp:	31907
Ion	Ratio	Lower	Upper
88	100		
43	35.7	29.8	44.6
58	69.4	57.1	85.7

Manual Integrations
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MMDadoda
6/15/2018 1:11:49 PM



#50

Toluene-d8

Concen: 53.451 ug/l

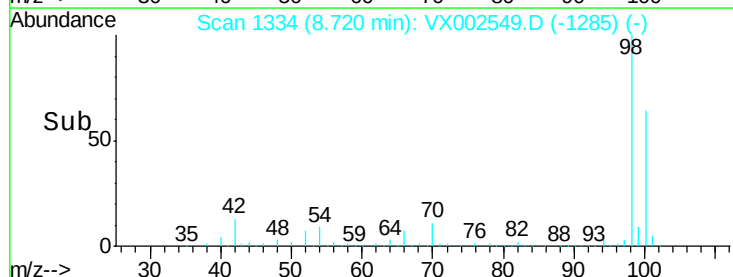
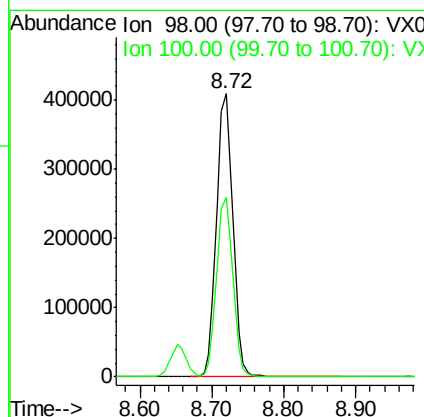
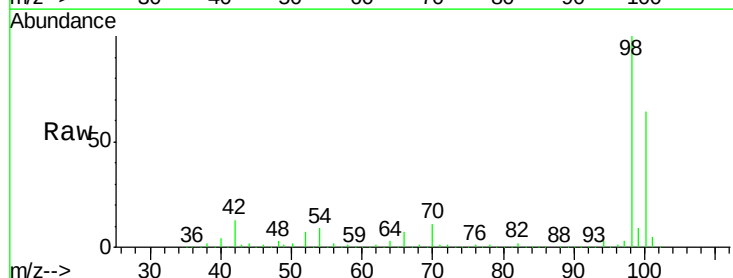
RT: 8.72 min Scan# 1334

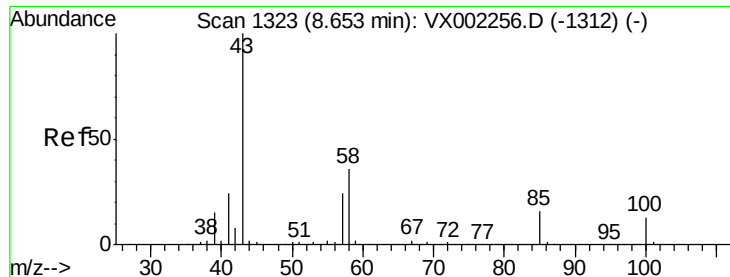
Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Tgt Ion:	98	Resp:	645524
Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 94.738 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion: 43 Resp: 507604

Ion Ratio Lower Upper

43 100

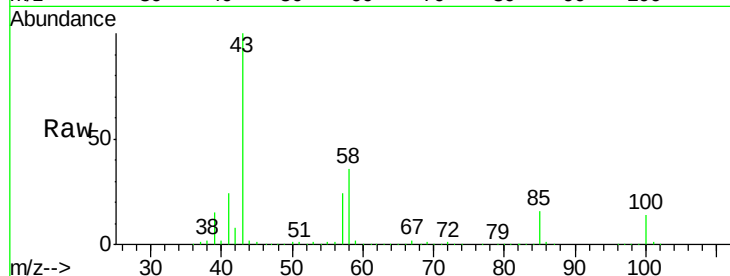
58 36.2 28.6 42.8

Manual Integrations

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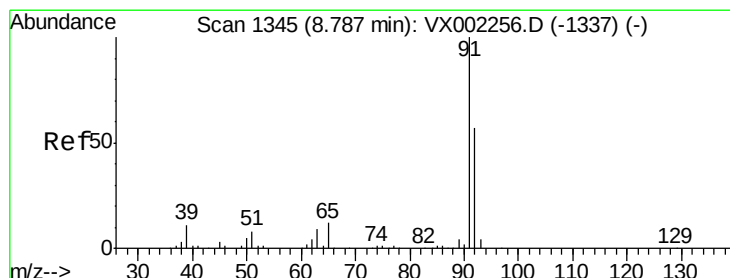
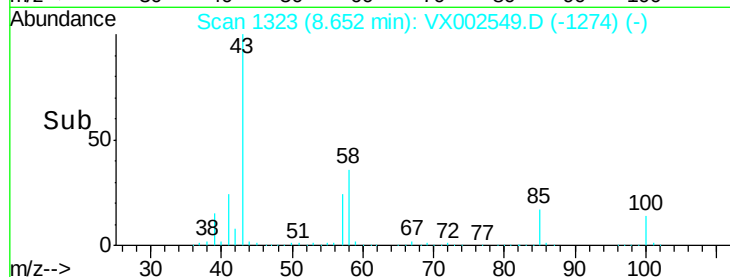
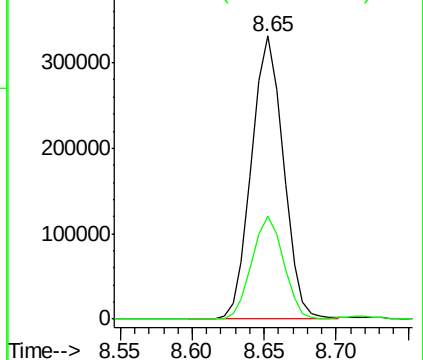
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.120 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002549.D

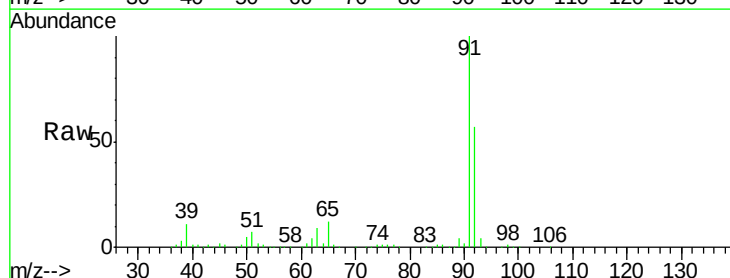
Acq: 14 Jun 2018 14:00

Tgt Ion: 92 Resp: 157056

Ion Ratio Lower Upper

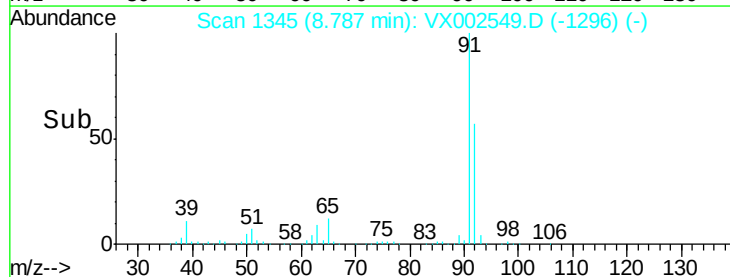
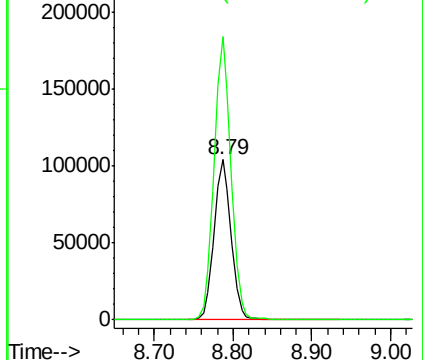
92 100

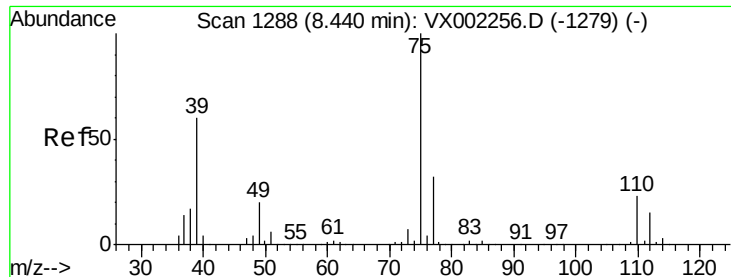
91 175.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





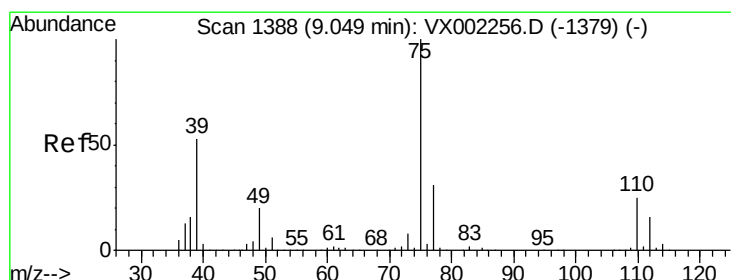
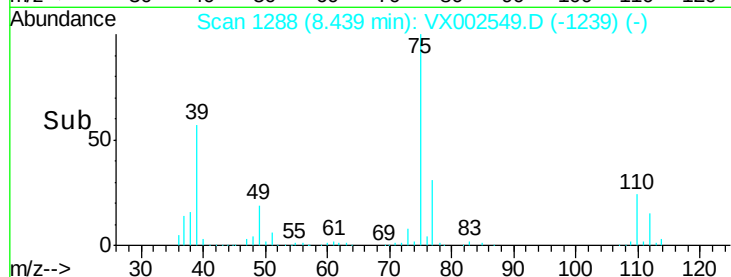
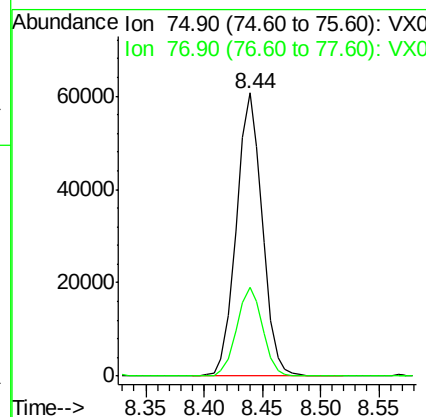
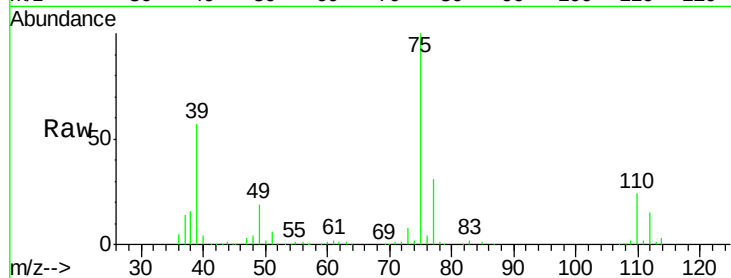
#53
t-1,3-Dichloropropene
Concen: 18.347 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion: 75 Resp: 94052
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2

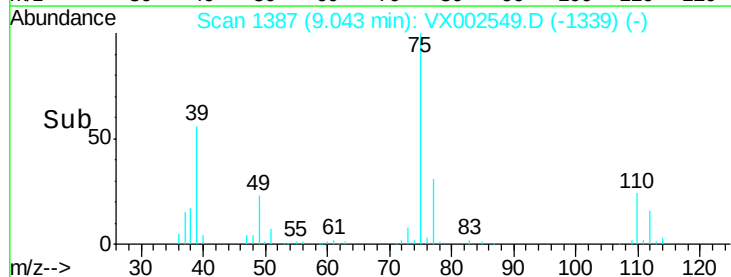
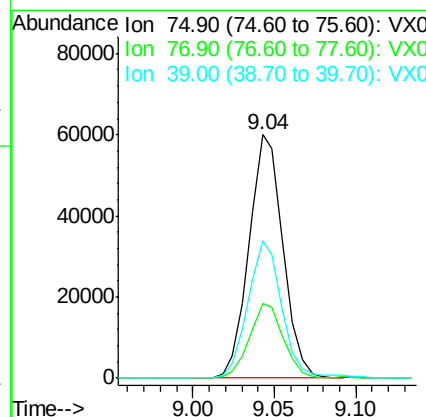
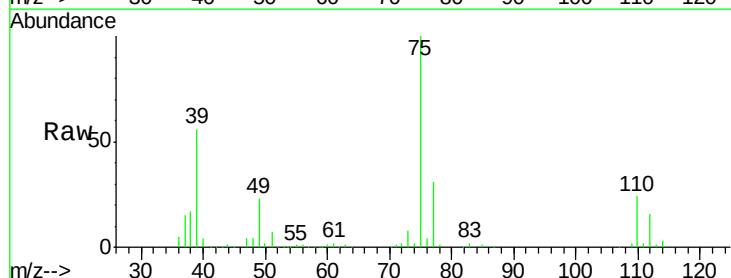
Manual Integrations
APPROVED

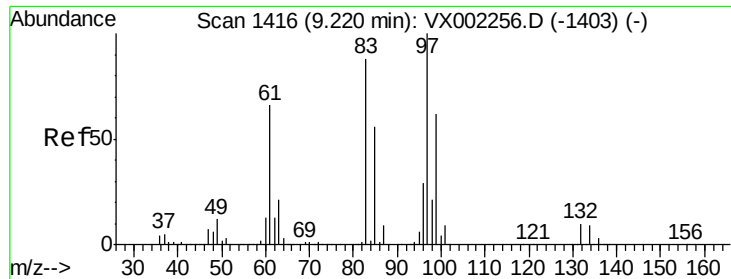
MMDadoda
6/15/2018 1:11:49 PM



#54
cis-1,3-Dichloropropene
Concen: 17.926 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion: 75 Resp: 86700
Ion Ratio Lower Upper
75 100
77 30.6 24.8 37.2
39 56.0 42.4 63.6





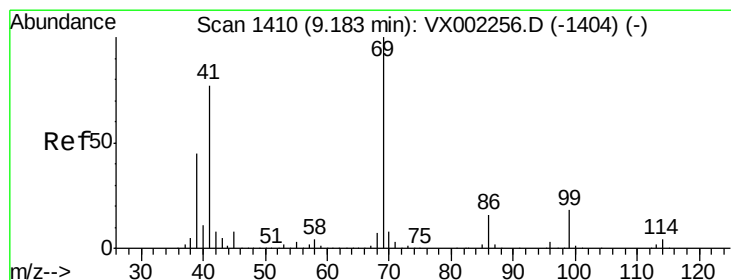
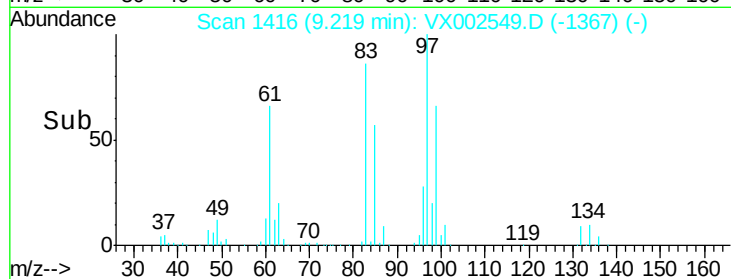
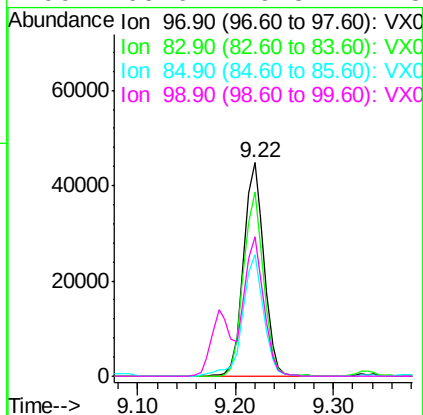
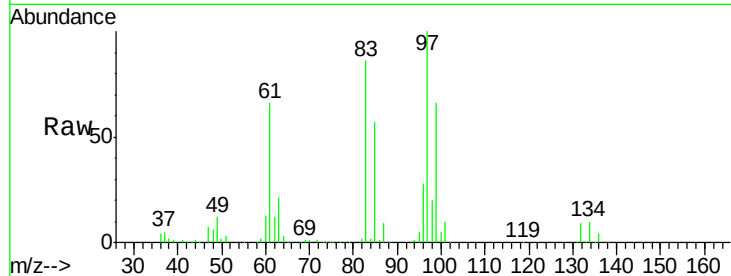
#55
 1,1,2-Trichloroethane
 Concen: 19.324 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBS01

Tot Ion:	97	Resp:	65284
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.2	105.2
85	56.9	44.9	67.3
99	65.6	49.8	74.8

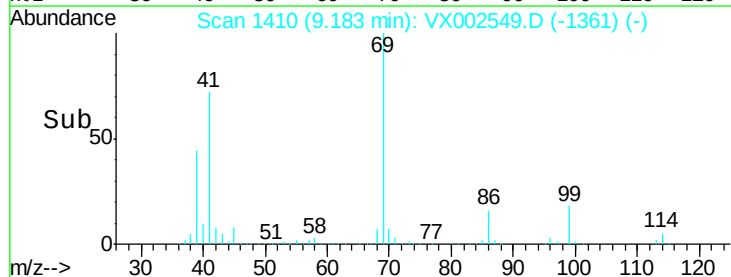
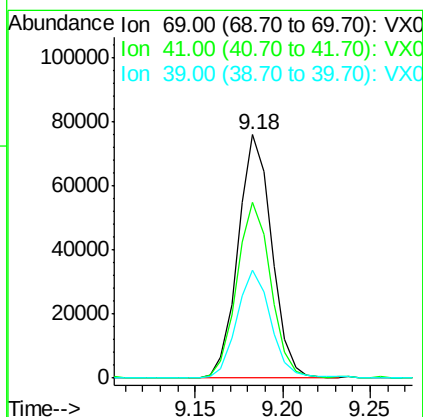
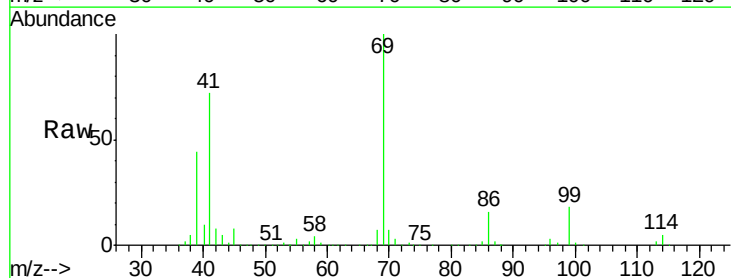
Manual Integrations
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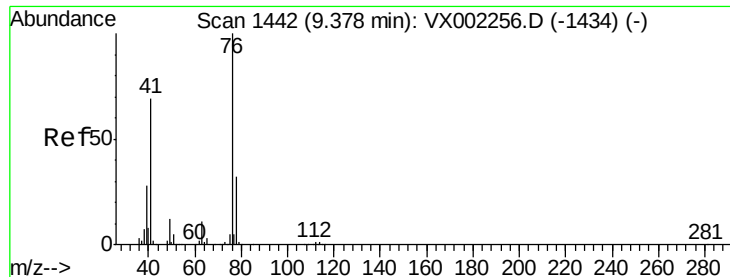
MMDadoda
 6/15/2018 1:11:49 PM



#56
 Ethyl methacrylate
 Concen: 18.833 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Tgt Ion:	69	Resp:	101581
Ion	Ratio	Lower	Upper
69	100		
41	73.0	60.3	90.5
39	44.8	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.127 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion: 76 Resp: 108409

Ion Ratio Lower Upper

76 100

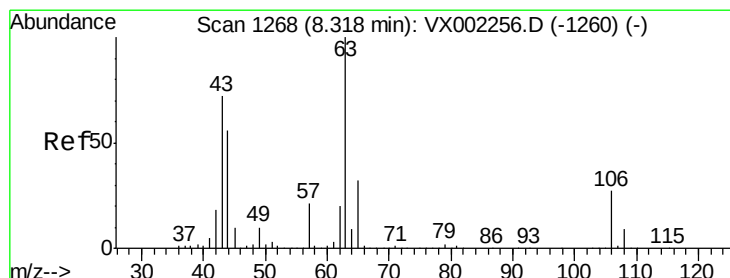
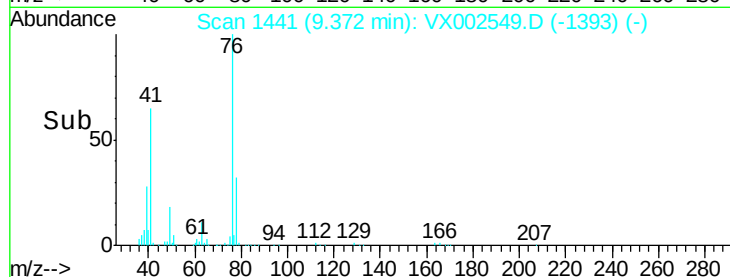
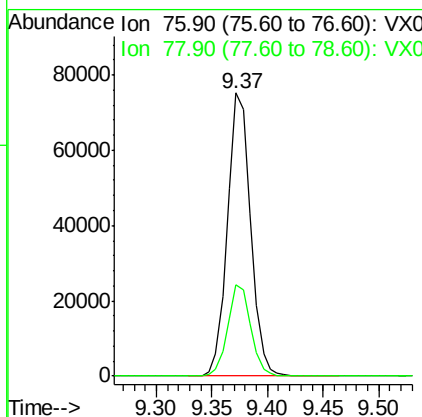
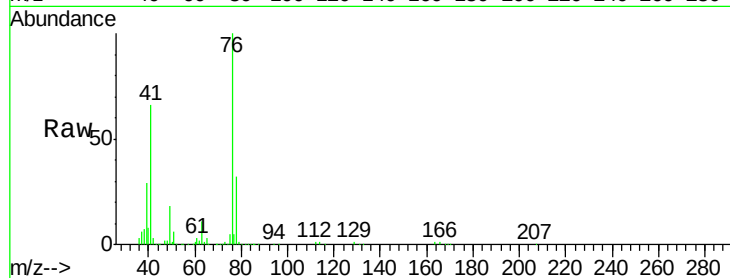
78 32.1 25.8 38.6

Manual Integrations

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MMDadoda

6/15/2018 1:11:49 PM



#58

2-Chloroethyl Vinyl ether

Concen: 85.277 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002549.D

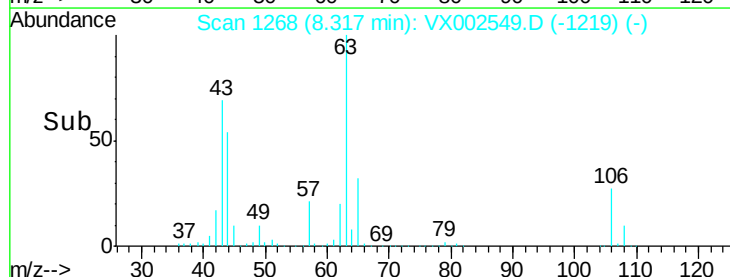
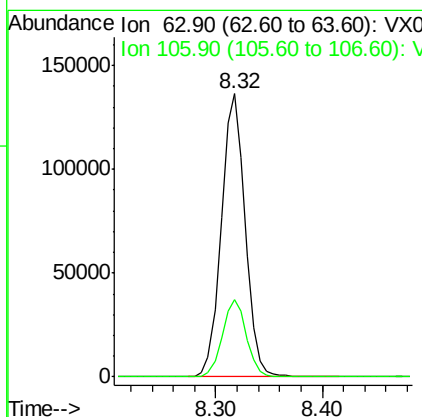
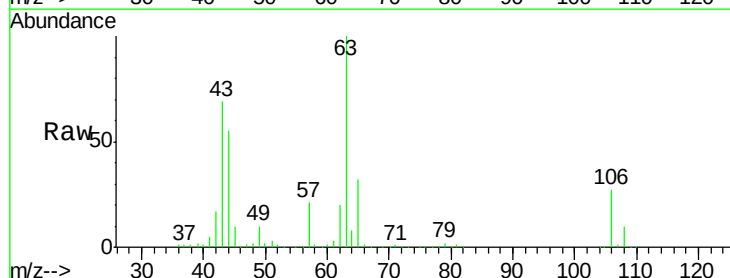
Acq: 14 Jun 2018 14:00

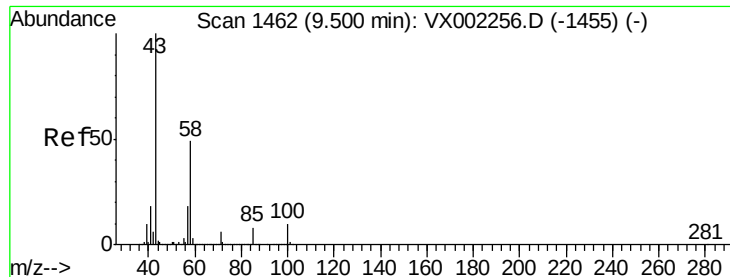
Tgt Ion: 63 Resp: 212888

Ion Ratio Lower Upper

63 100

106 27.5 21.8 32.8





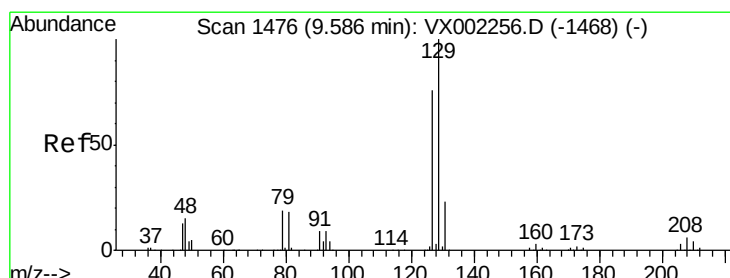
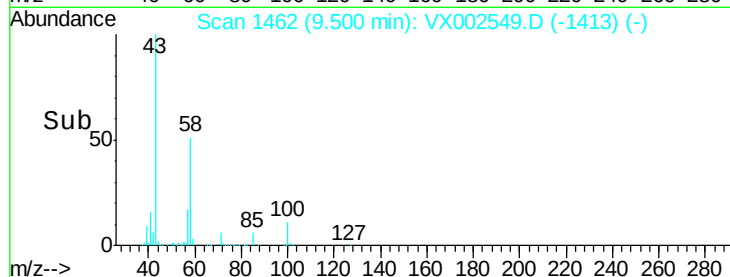
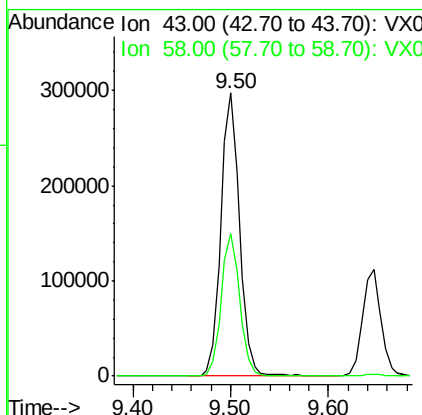
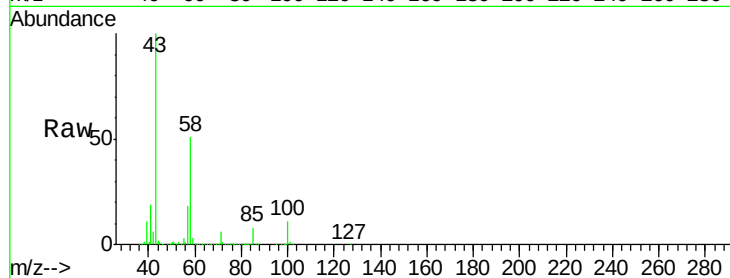
#59
2-Hexanone
Concen: 94.992 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	24.6	73.6

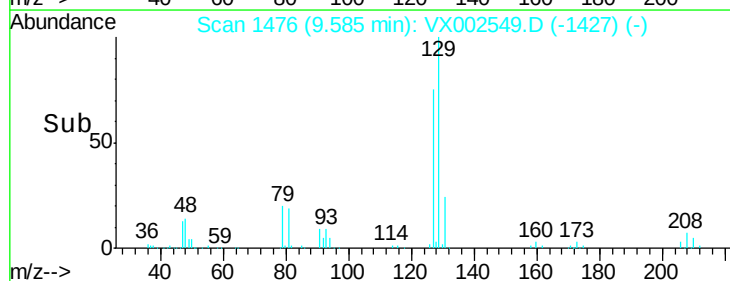
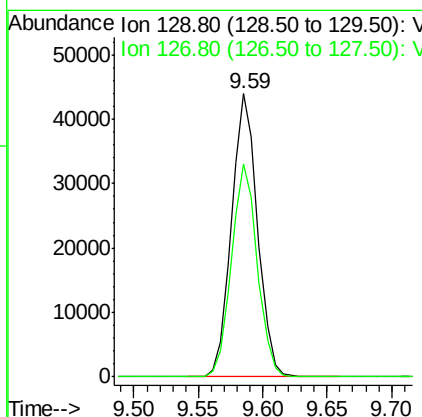
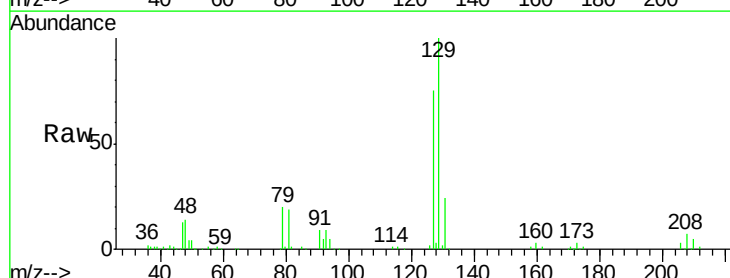
Manual Integrations
APPROVED

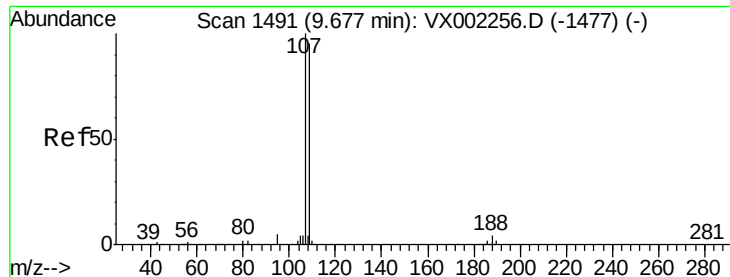
MMDadoda
6/15/2018 1:11:49 PM



#60
Dibromochloromethane
Concen: 18.235 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.6	38.5	115.3





#61

1,2-Dibromoethane

Concen: 19.075 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion:107 Resp: 67193

Ion Ratio Lower Upper

107 100

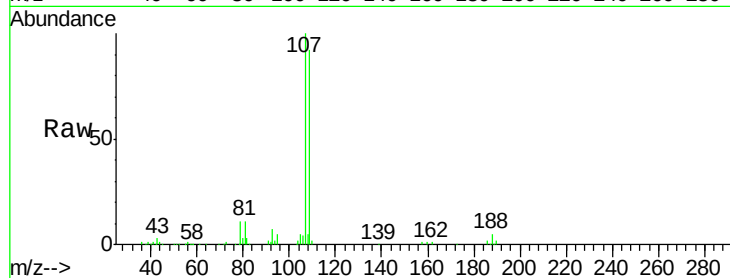
109 93.6 75.3 112.9

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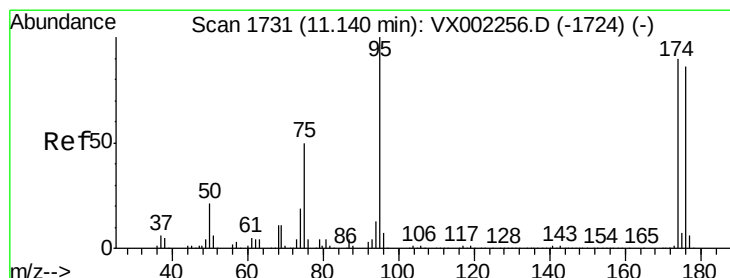
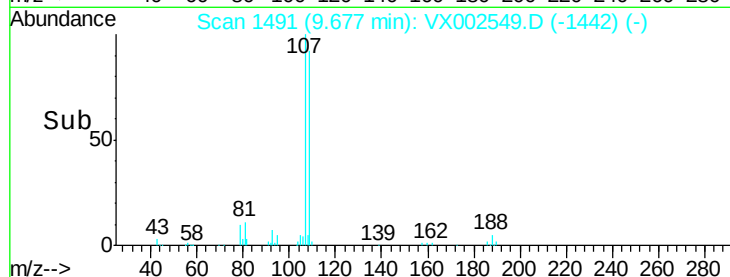
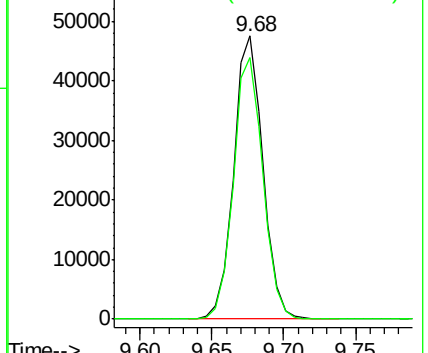
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.653 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

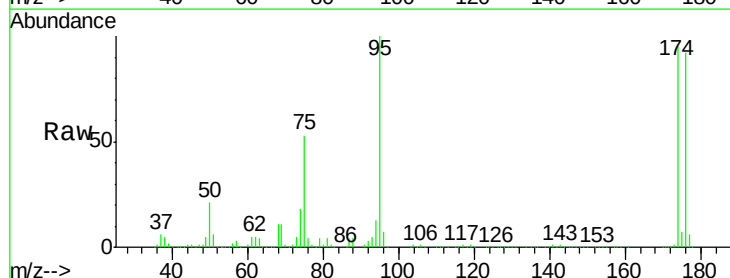
Tgt Ion: 95 Resp: 240551

Ion Ratio Lower Upper

95 100

174 96.0 0.0 187.4

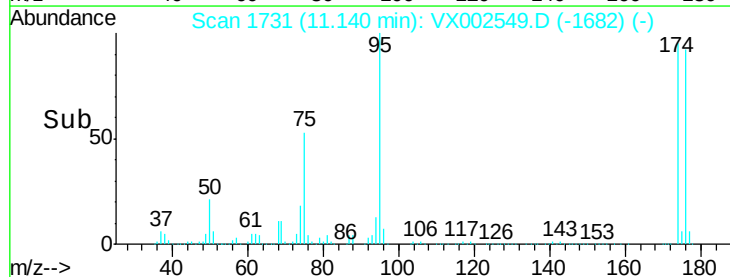
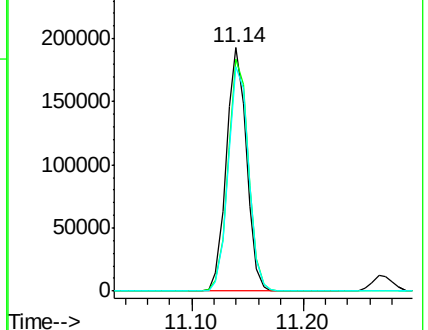
176 93.6 0.0 181.0

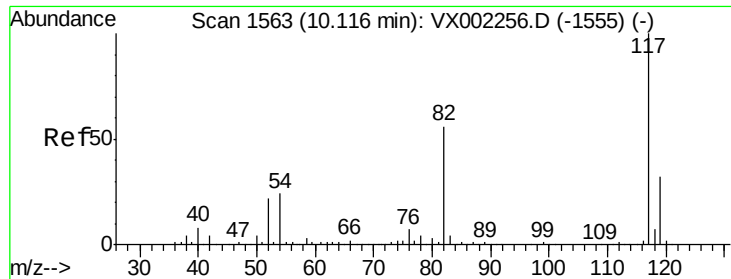


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





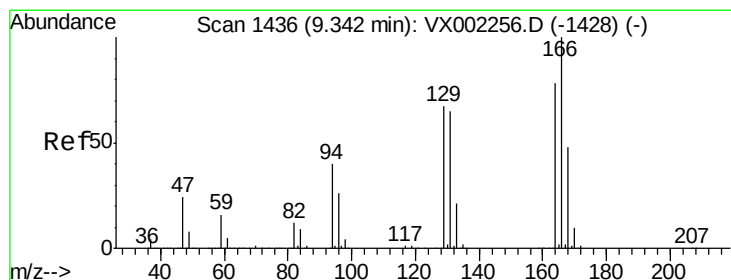
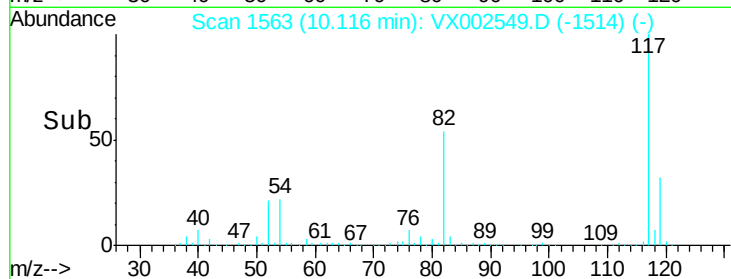
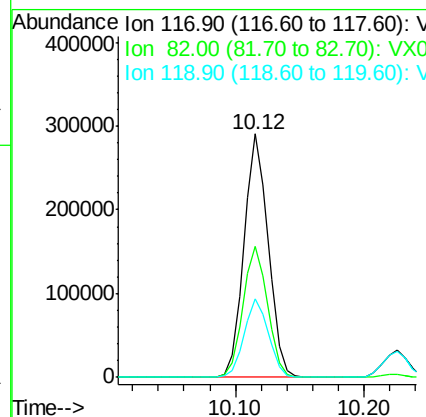
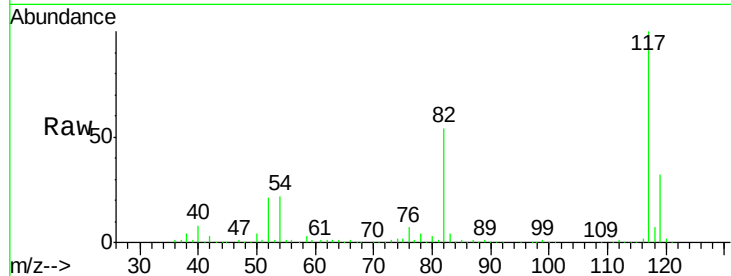
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.0	67.4
119	32.2	25.8	38.6

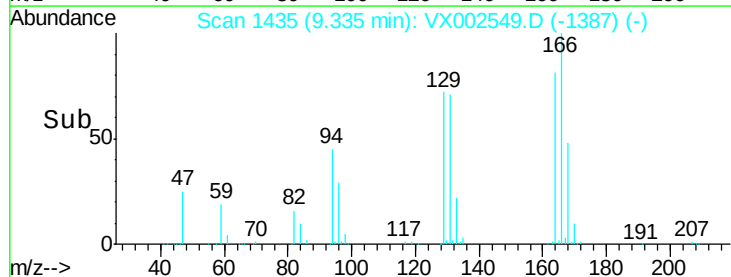
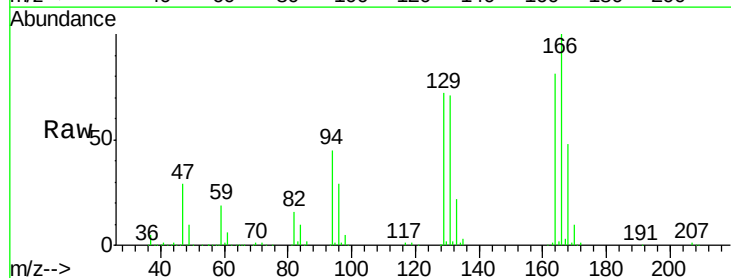
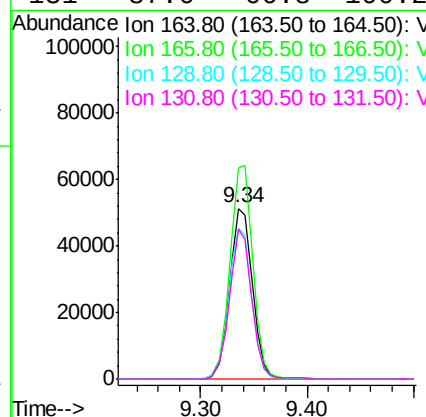
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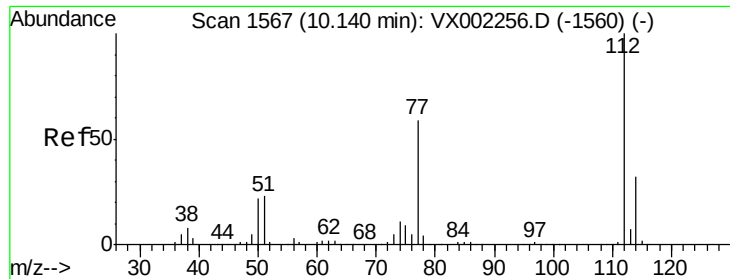
MMDadoda
6/15/2018 1:11:49 PM



#64
Tetrachloroethene
Concen: 19.740 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	102.9	154.3
129	89.0	68.6	102.8
131	87.6	66.8	100.2





#65

Chlorobenzene

Concen: 19.364 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampled :

VX0614WBS01

Tot Ion:112 Resp: 182012

Ion Ratio Lower Upper

112 100

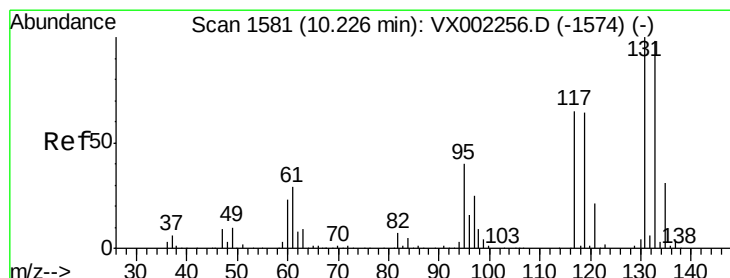
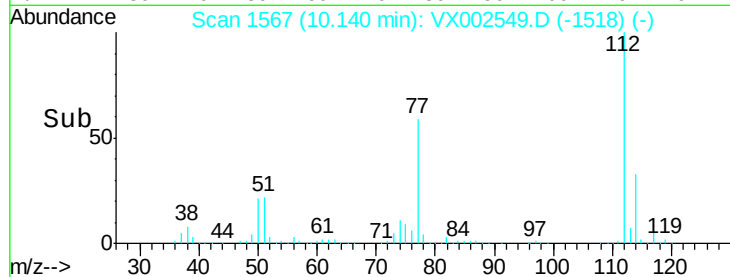
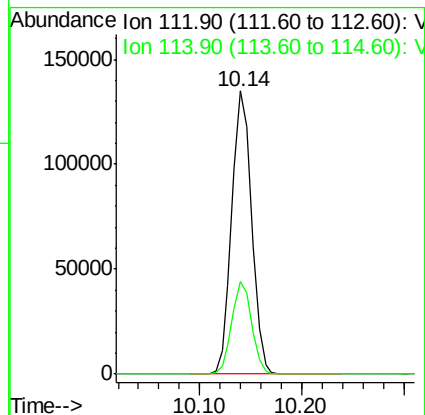
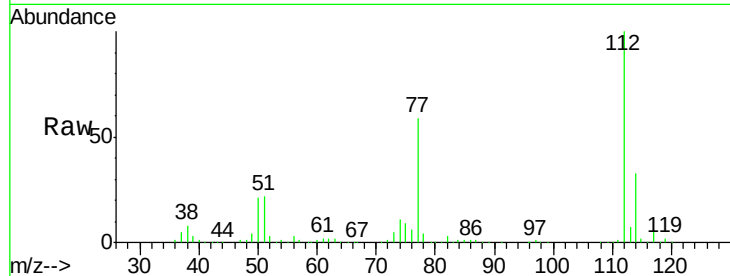
114 32.6 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.087 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

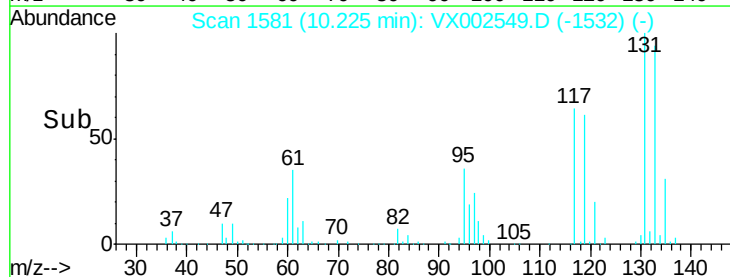
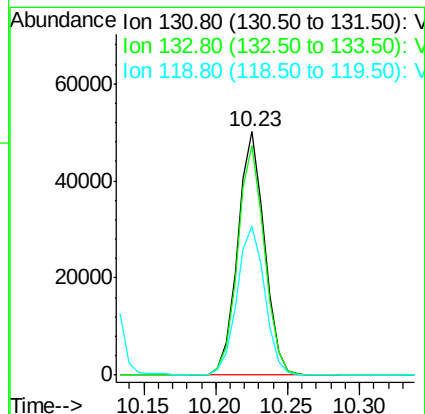
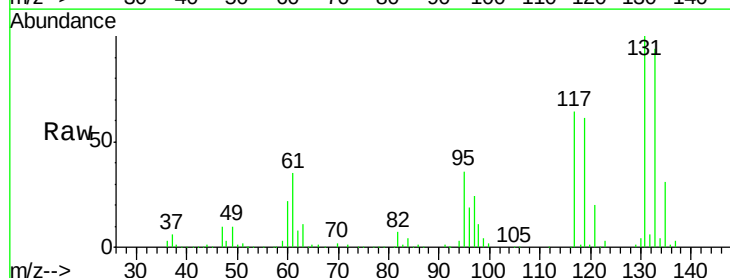
Tgt Ion:131 Resp: 64963

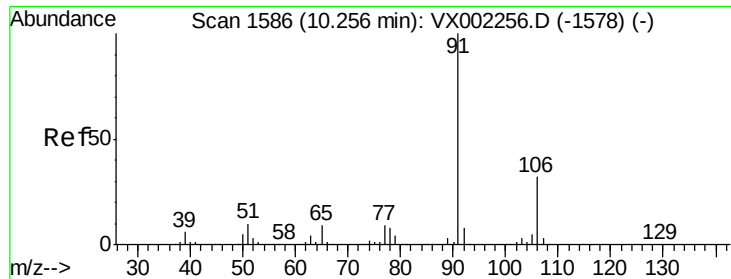
Ion Ratio Lower Upper

131 100

133 94.1 47.9 143.6

119 63.6 31.8 95.3





#67

Ethyl Benzene

Concen: 19.886 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion: 91 Resp: 312811

Ion Ratio Lower Upper

91 100

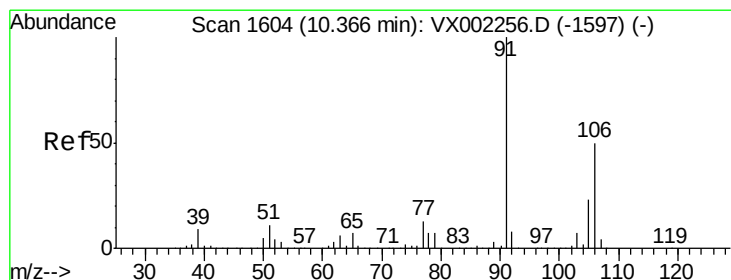
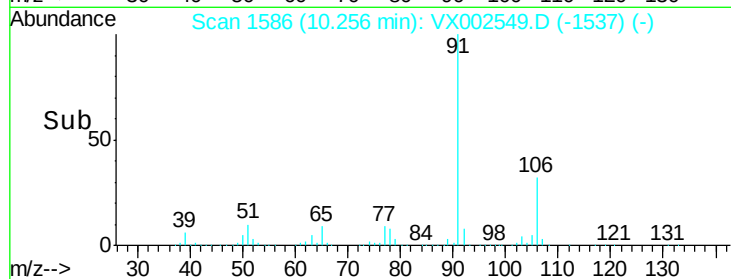
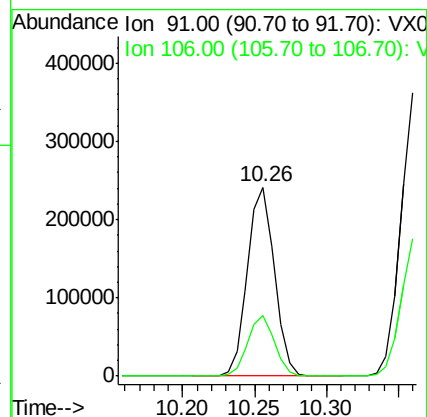
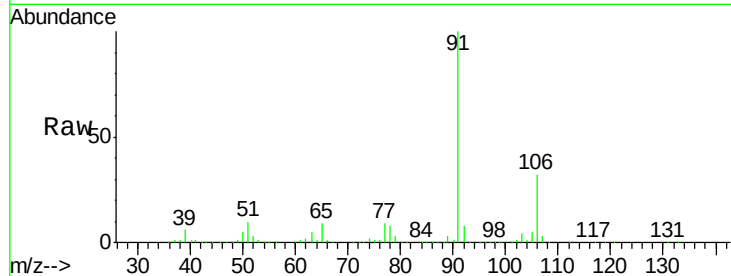
106 31.8 25.5 38.3

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#68

m/p-Xylenes

Concen: 39.118 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002549.D

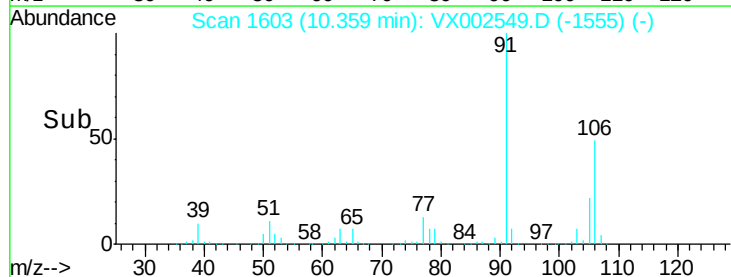
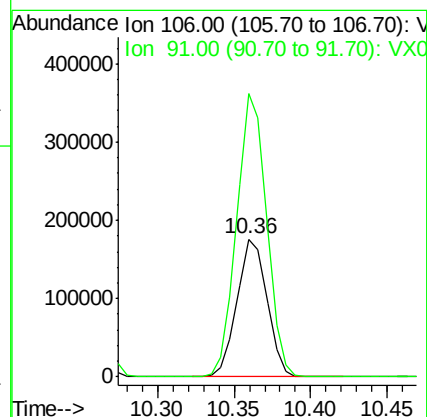
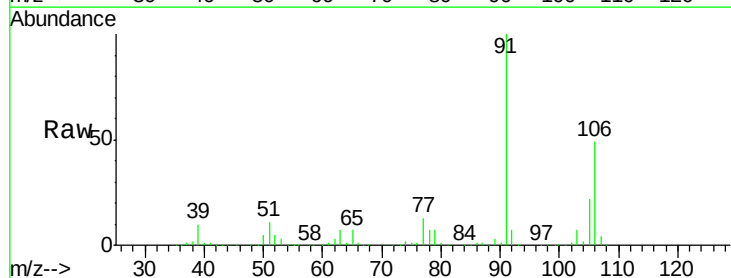
Acq: 14 Jun 2018 14:00

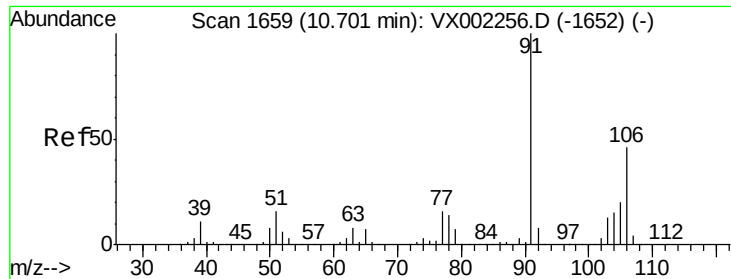
Tgt Ion: 106 Resp: 239197

Ion Ratio Lower Upper

106 100

91 204.9 163.4 245.2





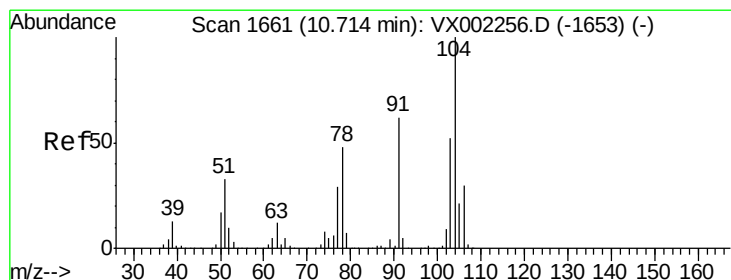
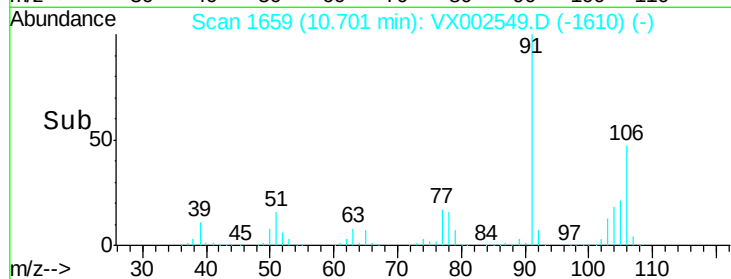
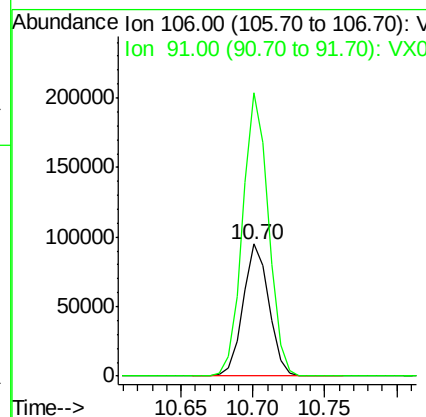
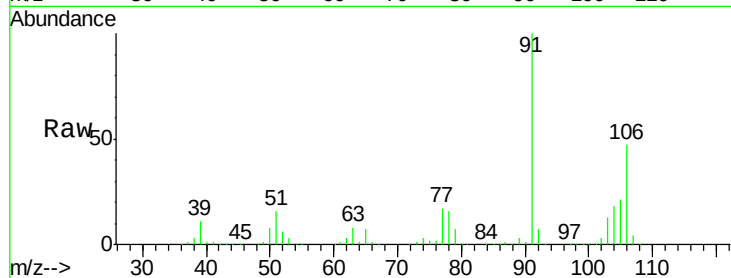
#69
o-Xylene
Concen: 19.413 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.8	108.2	324.6

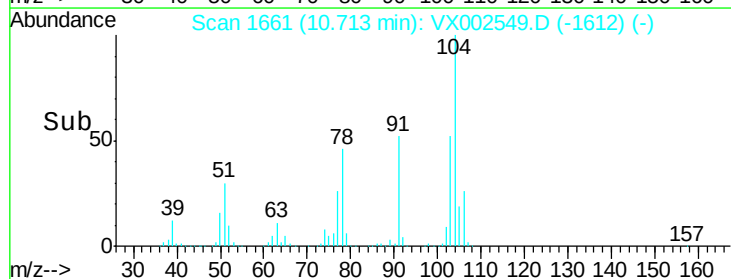
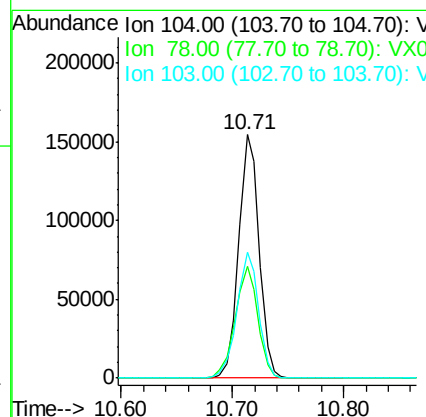
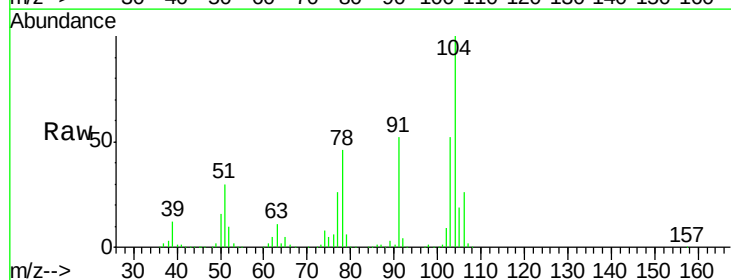
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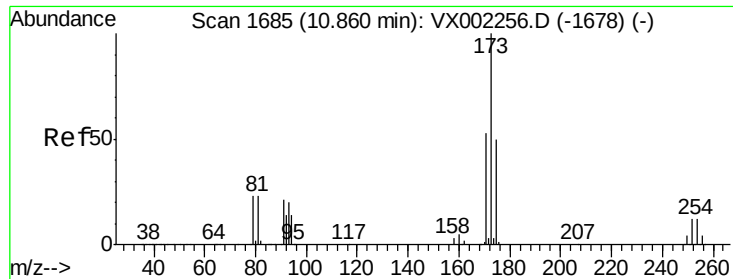
MMDadoda
6/15/2018 1:11:49 PM



#70
Styrene
Concen: 19.713 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.0	41.0	61.6
103	55.3	44.2	66.4





#71

Bromoform

Concen: 17.419 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion:173 Resp: 45717

Ion Ratio Lower Upper

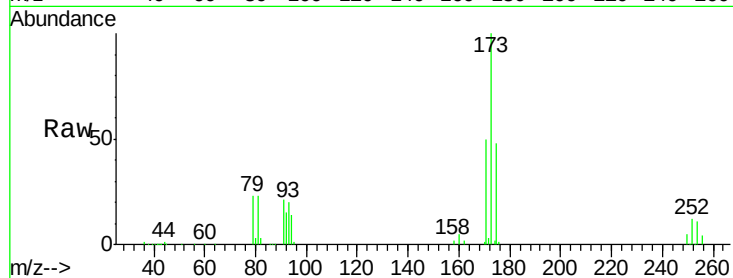
173 100

175 48.4 24.7 74.1

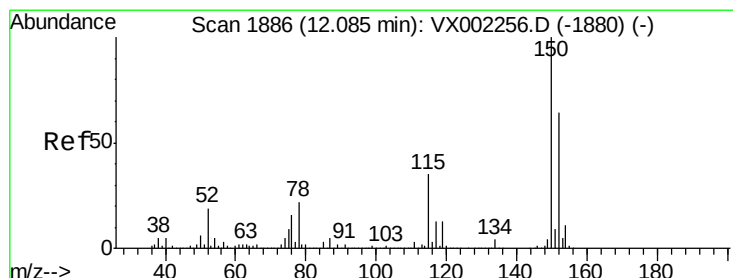
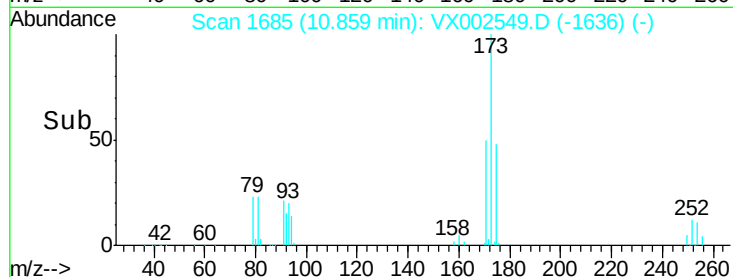
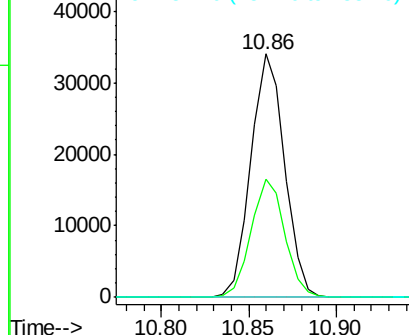
254 0.0 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

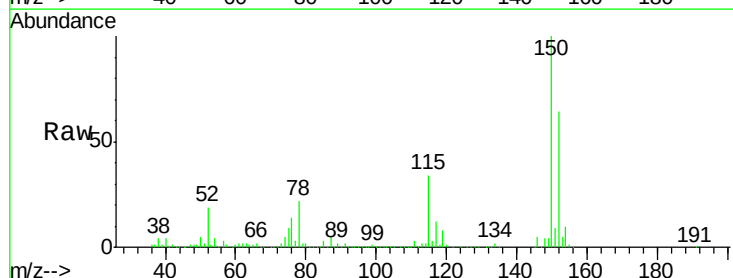
Tgt Ion:152 Resp: 230270

Ion Ratio Lower Upper

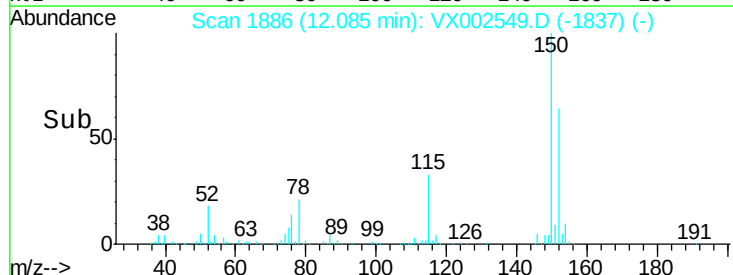
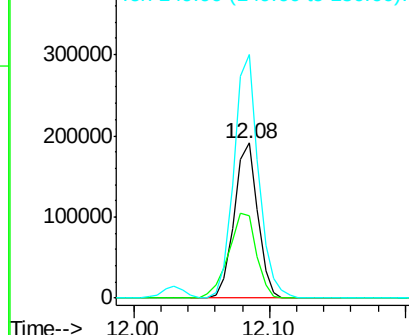
152 100

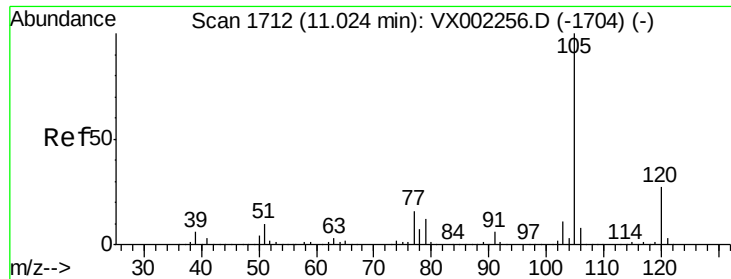
115 64.8 40.1 120.2

150 164.1 0.0 347.2



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





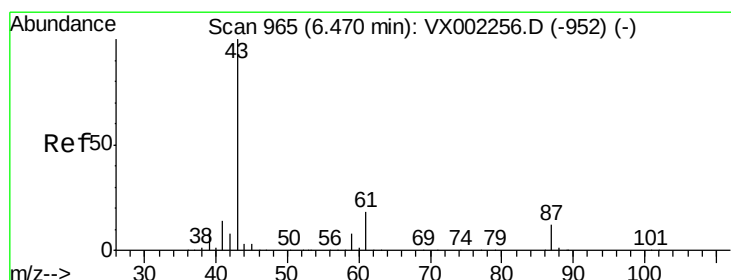
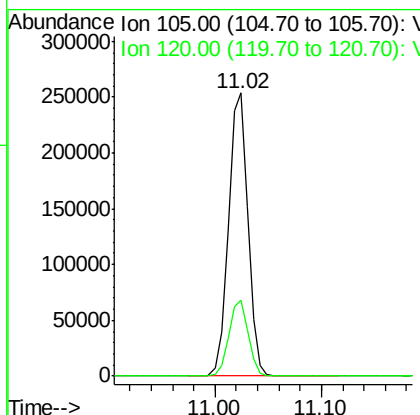
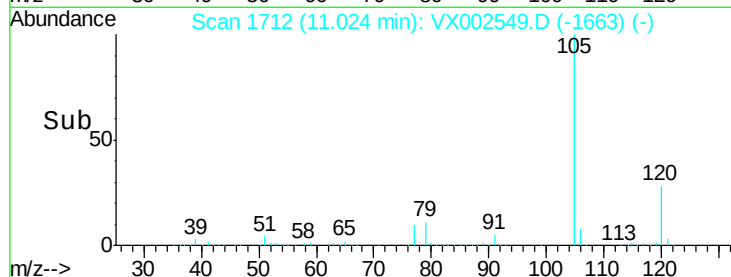
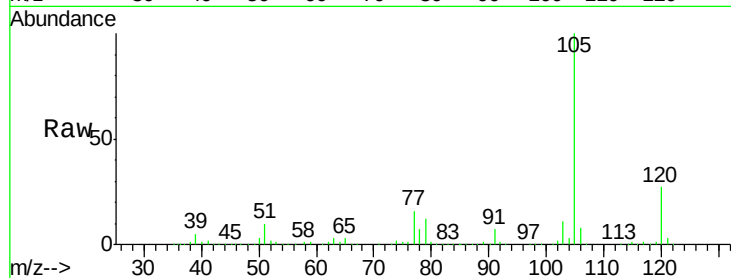
#73
Isopropylbenzene
Concen: 20.225 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion:105 Resp: 323981
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4

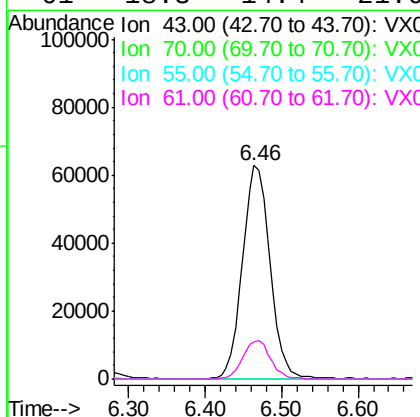
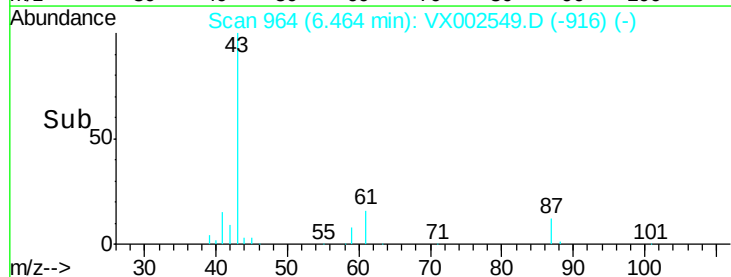
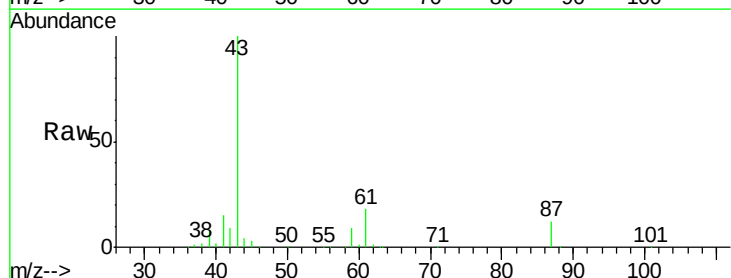
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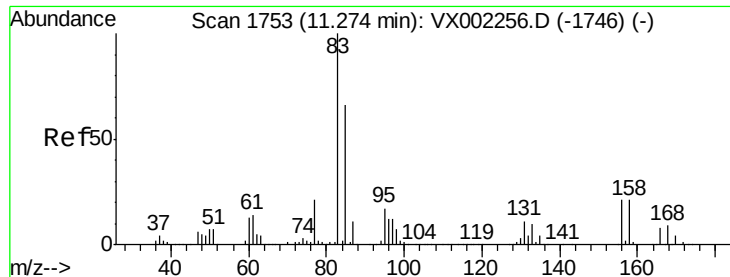
MMDadoda
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#74
N-ethyl acetate
Concen: 18.201 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.01 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion: 43 Resp: 157100
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.1 0.0 0.0#
61 18.3 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.931 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

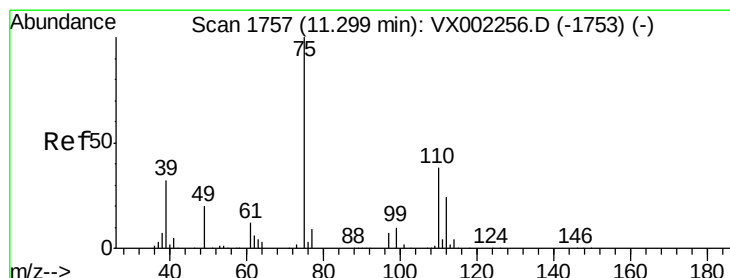
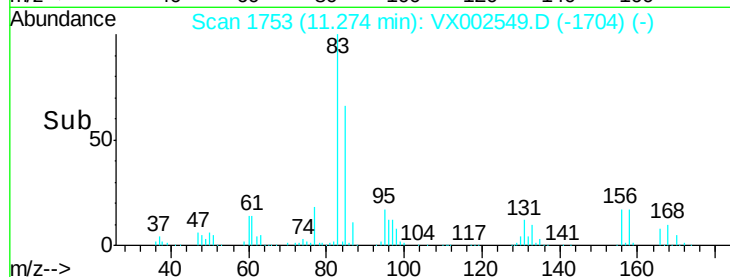
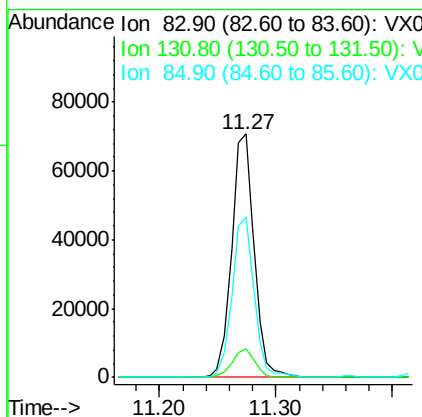
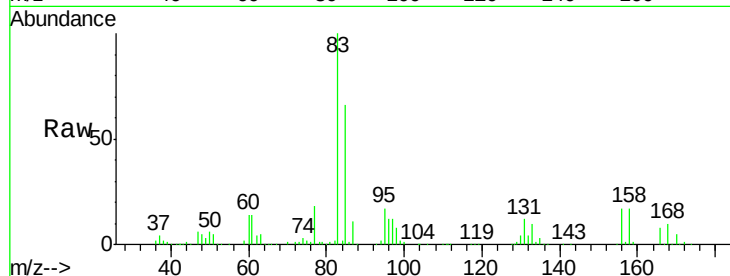
ClientSampleId :

VX0614WBS01

Tot Ion:	83	Resp:	95375
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.6	16.8
85	65.1	32.4	97.2

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6/15/2018 1:11:49 PM



#76

1,2,3-Trichloropropane

Concen: 19.011 ug/l m

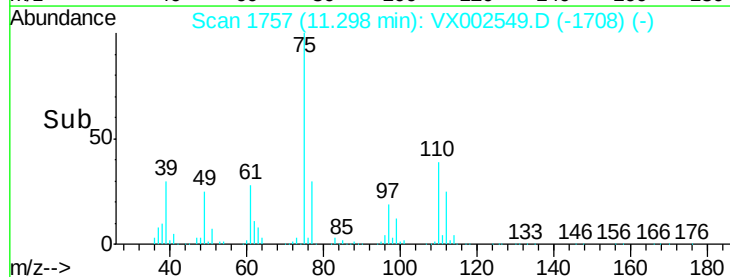
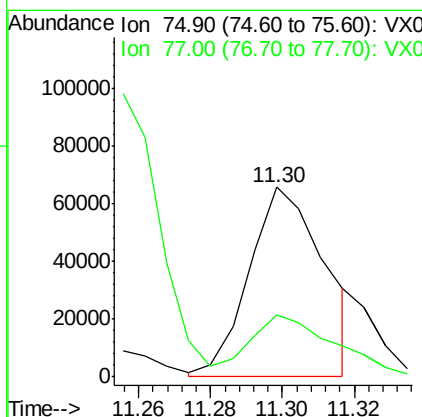
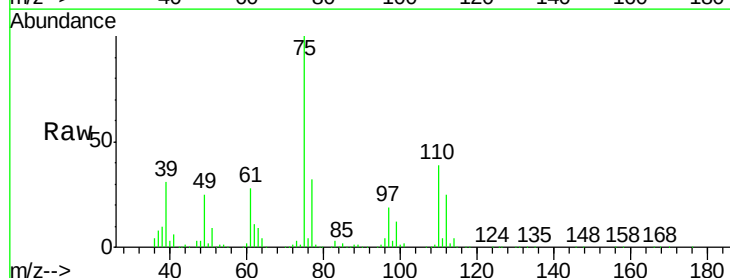
RT: 11.30 min Scan# 1757

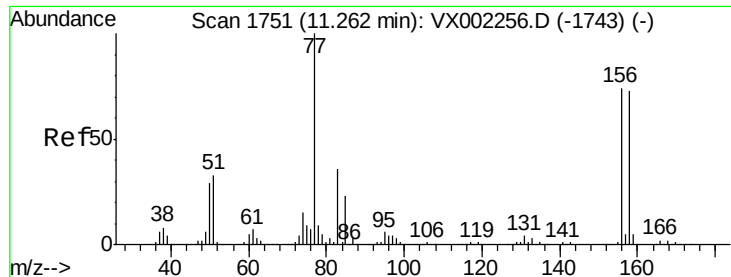
Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Tgt Ion:	75	Resp:	96056
Ion Ratio	Lower	Upper	
75	100		
77	36.9	22.8	68.3





#77

Bromobenzene

Concen: 19.547 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion:156 Resp: 87904

Ion Ratio Lower Upper

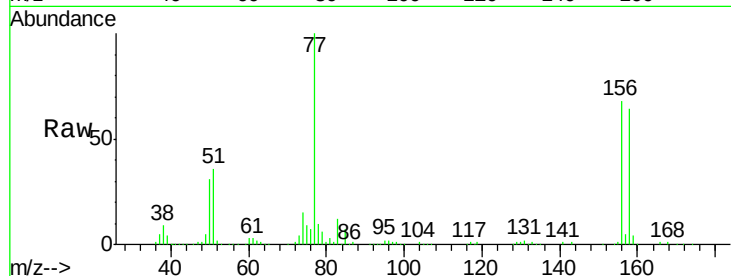
156 100

77 139.2 71.4 214.2

158 97.6 48.9 146.6

Manual Integrations
APPROVED

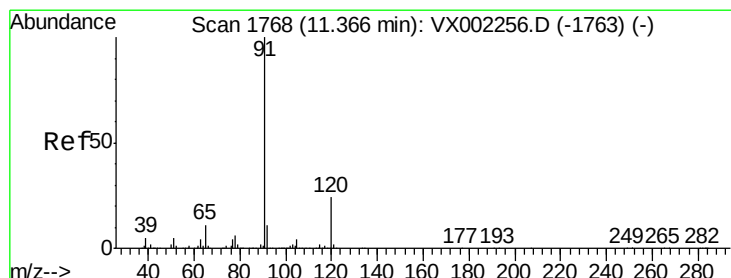
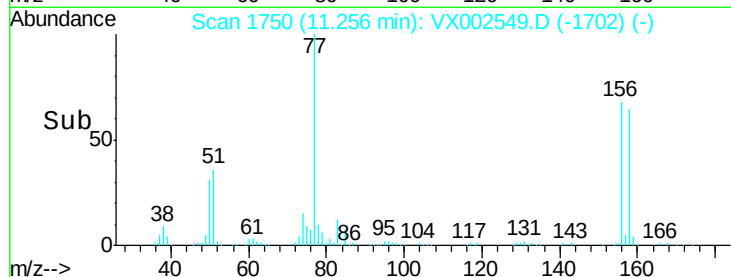
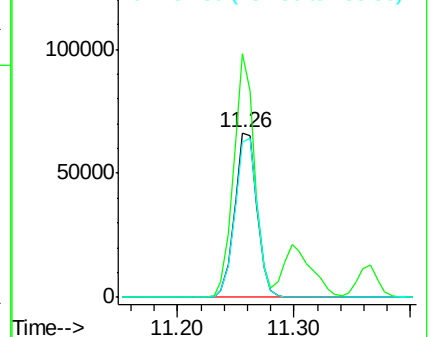
MMDadoda
6/15/2018 1:11:49 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.992 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002549.D

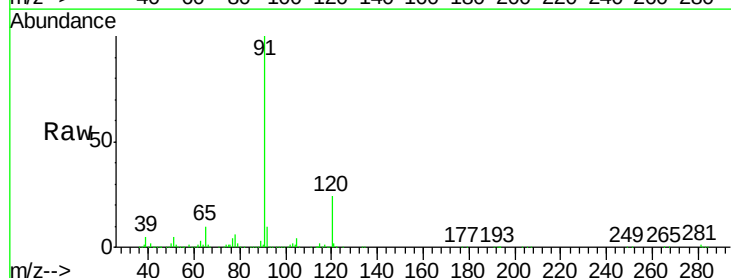
Acq: 14 Jun 2018 14:00

Tgt Ion: 91 Resp: 373741

Ion Ratio Lower Upper

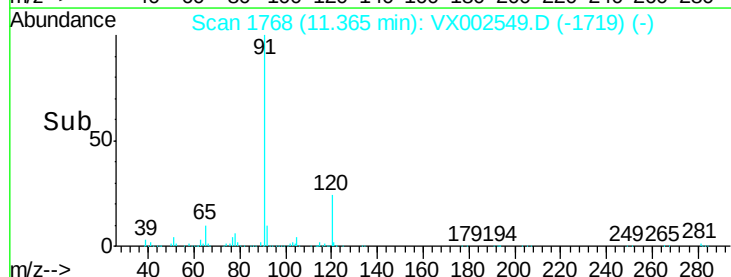
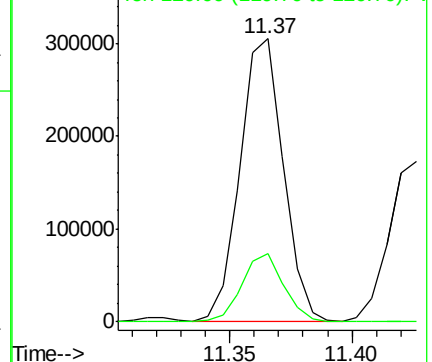
91 100

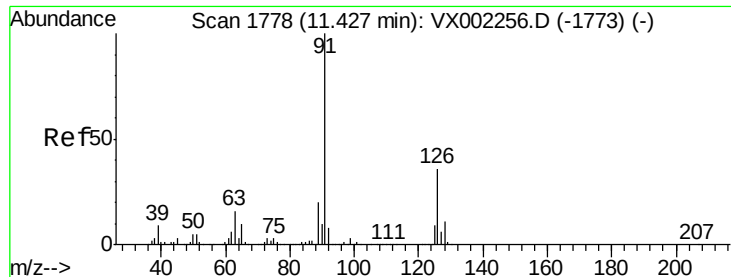
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.331 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBS01

Tot Ion: 91 Resp: 217327

Ion Ratio Lower Upper

91 100

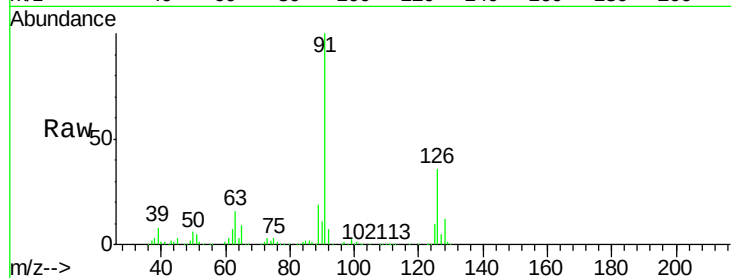
126 35.9 17.7 53.1

Manual Integrations

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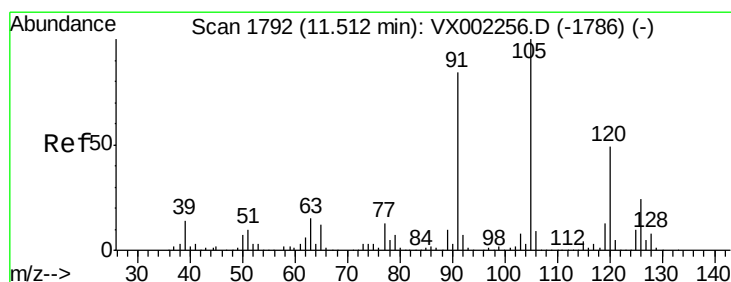
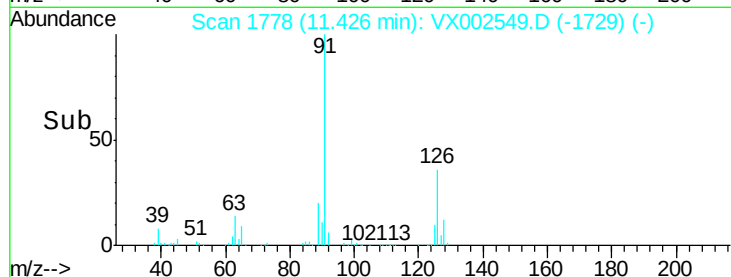
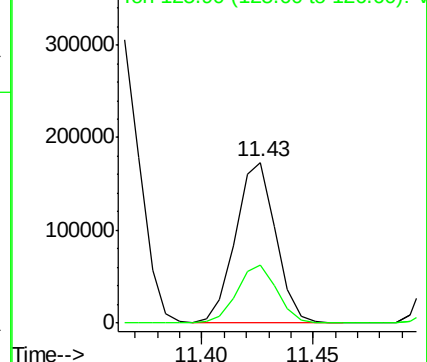
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.881 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002549.D

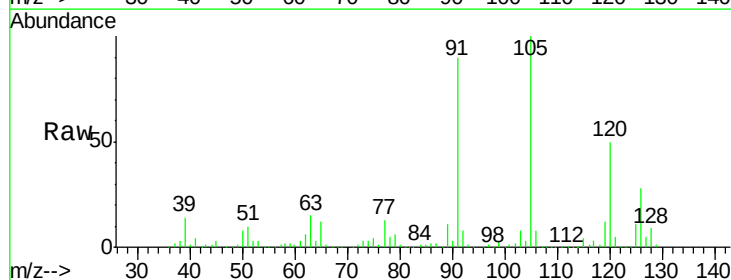
Acq: 14 Jun 2018 14:00

Tgt Ion: 105 Resp: 273153

Ion Ratio Lower Upper

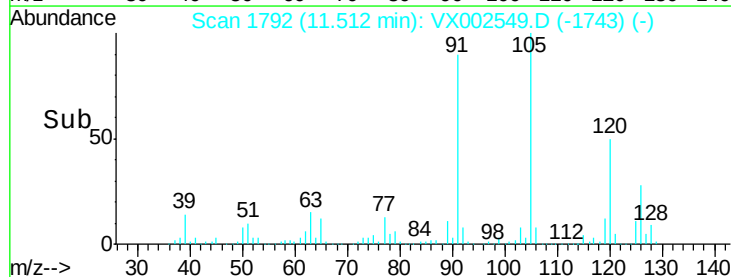
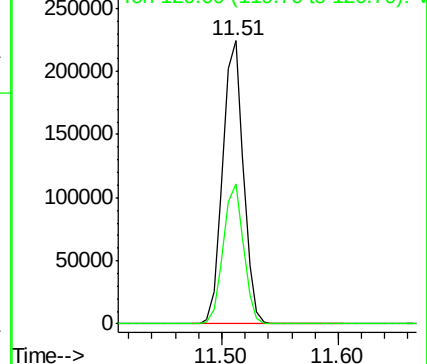
105 100

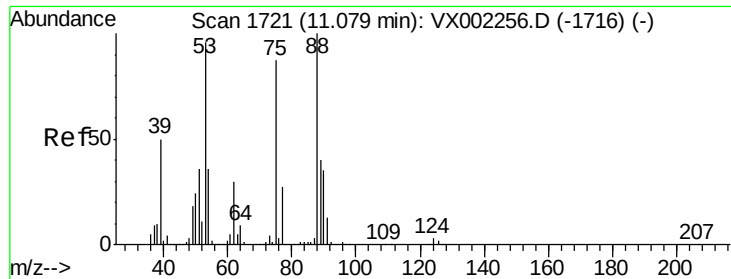
120 48.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





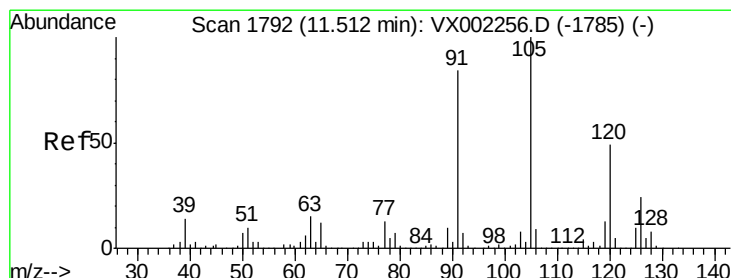
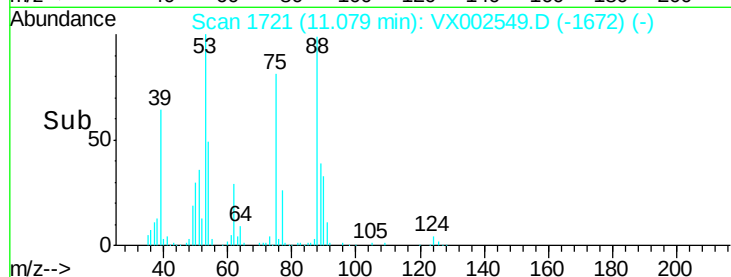
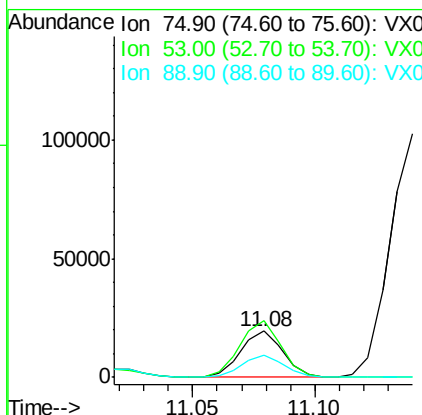
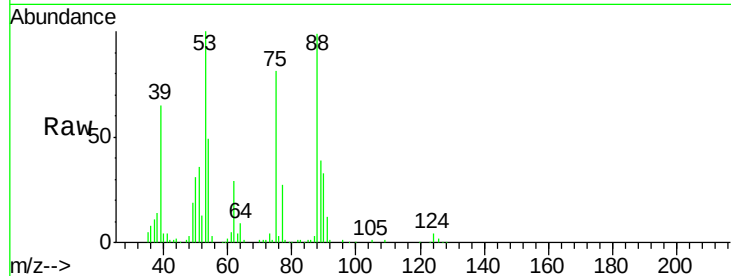
#81
trans-1,4-Dichloro-2-butene
Concen: 16.343 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.7	86.8	130.2
89	49.3	38.2	57.2

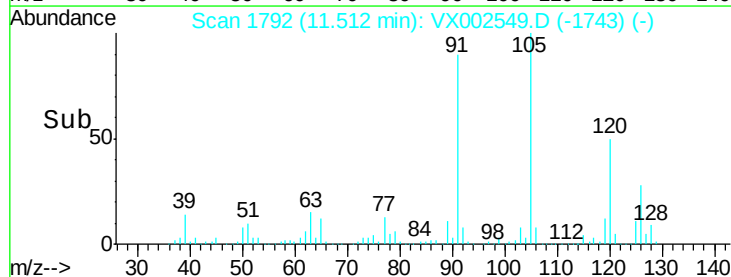
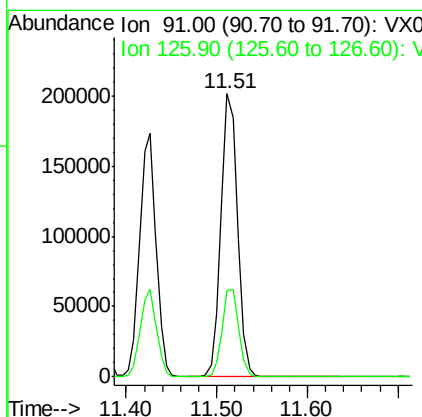
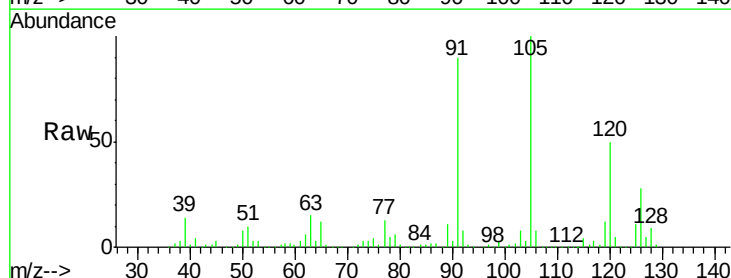
Manual Integrations
APPROVED

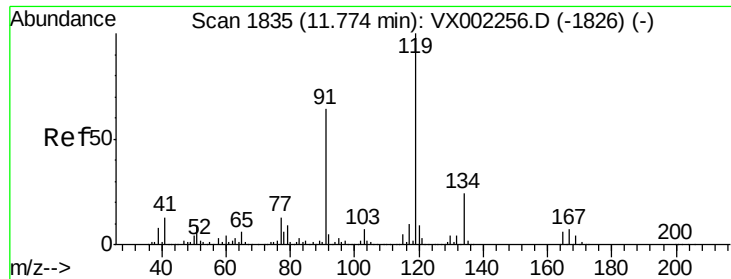
MMDadoda
6/15/2018 1:11:49 PM



#82
4-Chlorotoluene
Concen: 19.844 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.4	46.4





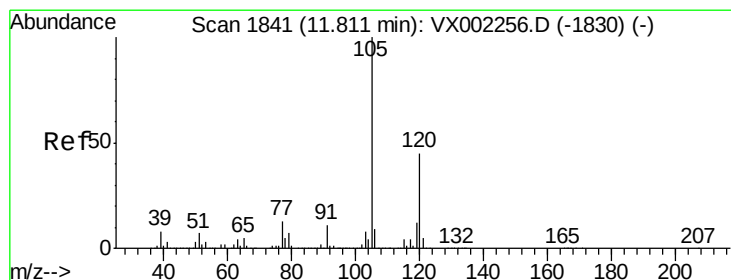
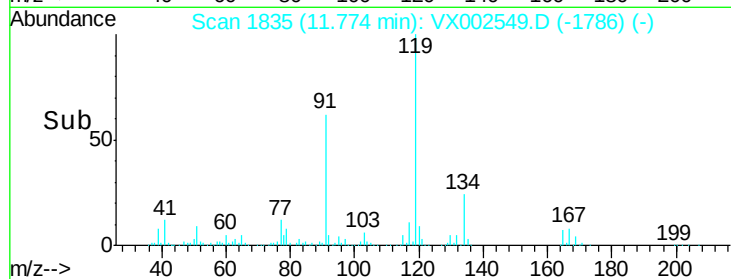
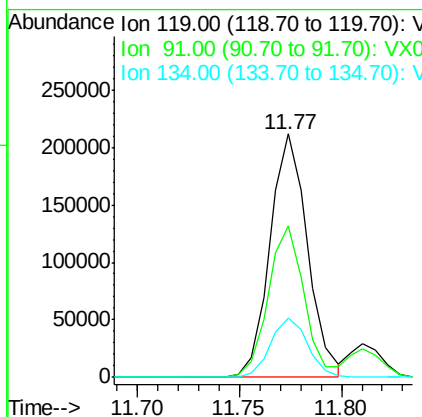
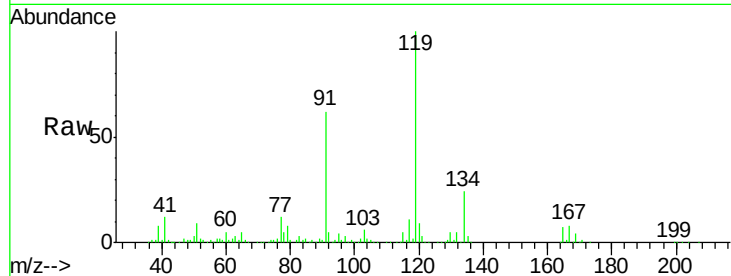
#83
 tert-Butylbenzene
 Concen: 20.309 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	271726		
91	59.9		30.3	90.9
134	24.2		11.7	35.1

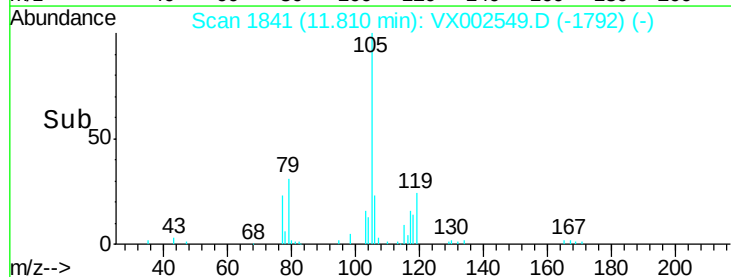
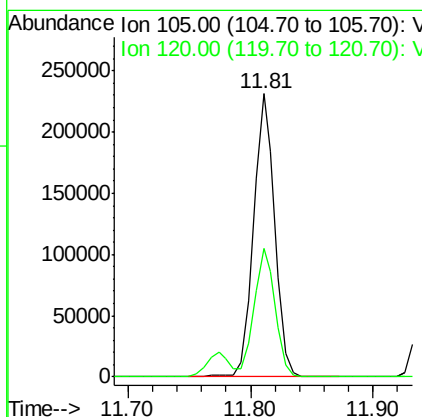
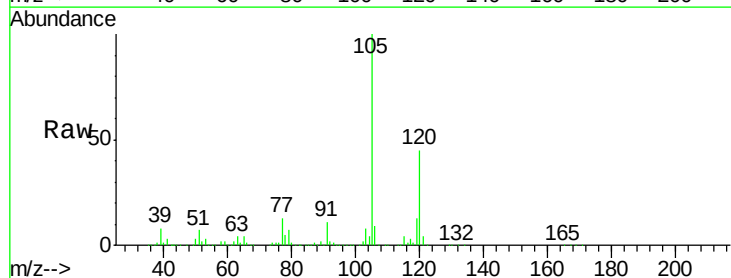
Manual Integrations
 APPROVED

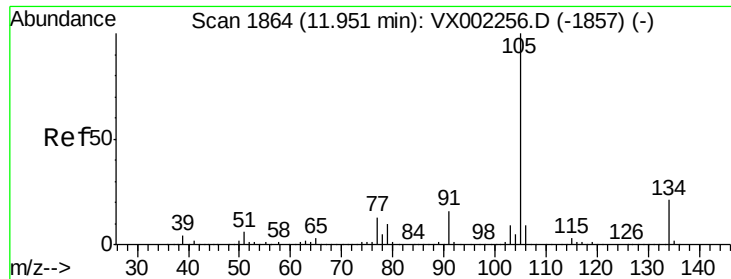
MMDadoda
 6/15/2018 1:11:49 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.775 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	279679		
120	44.6		22.3	66.8





#85

sec-Butylbenzene

Concen: 21.526 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampled :

VX0614WBS01

Tot Ion:105 Resp: 337636

Ion Ratio Lower Upper

105 100

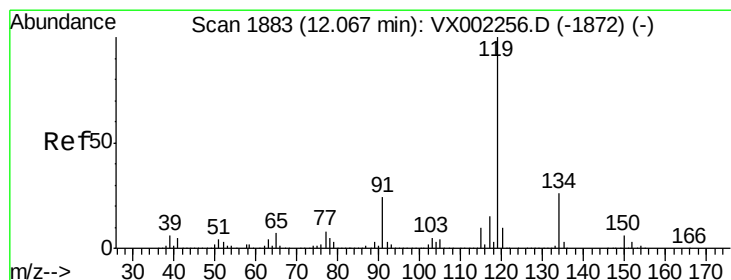
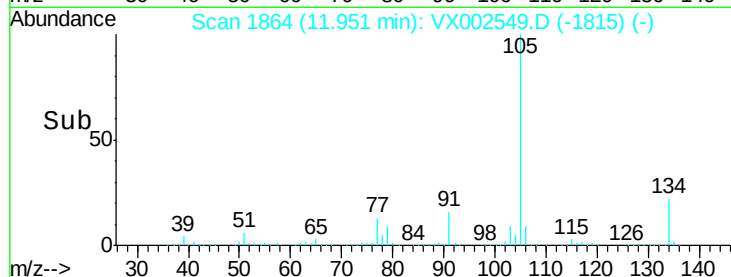
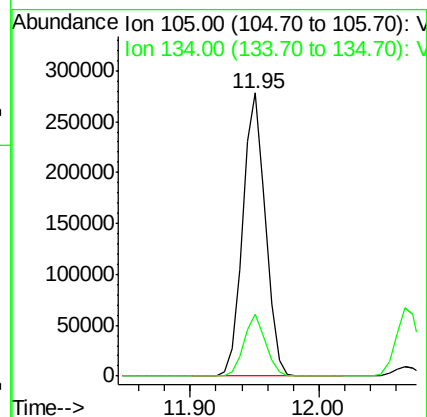
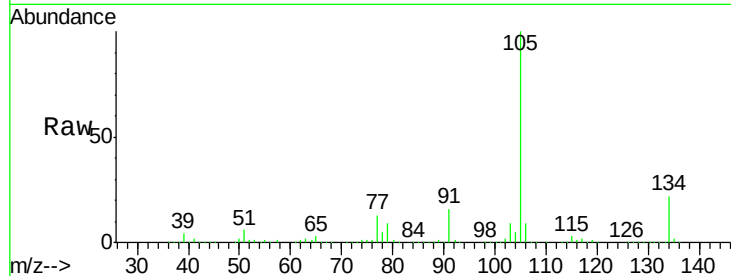
134 20.9 10.4 31.1

Manual Integrations

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6/15/2018 1:11:49 PM



#86

p-Isopropyltoluene

Concen: 21.279 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002549.D

Acq: 14 Jun 2018 14:00

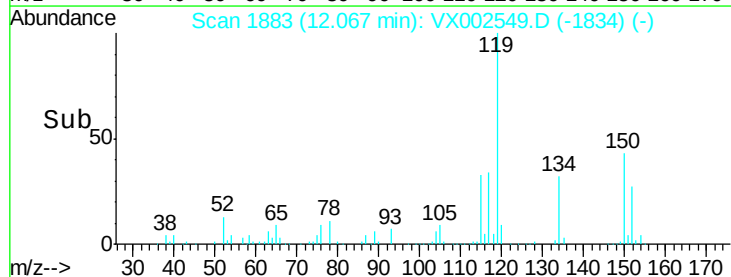
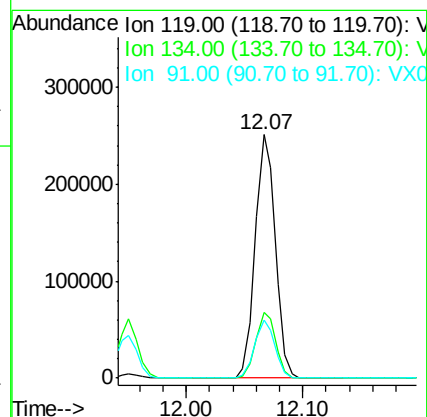
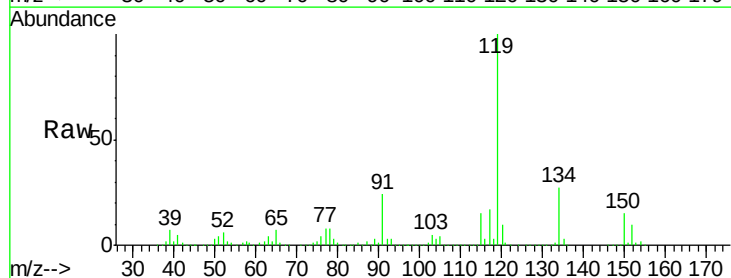
Tgt Ion:119 Resp: 304012

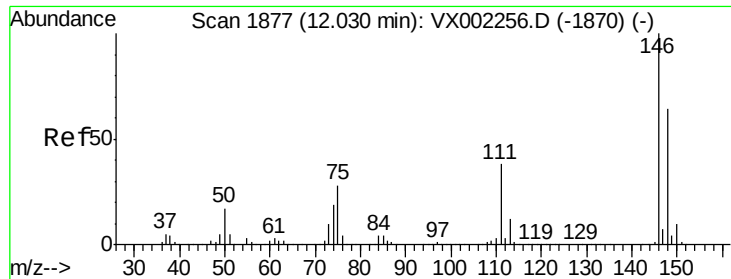
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 24.1 11.9 35.7





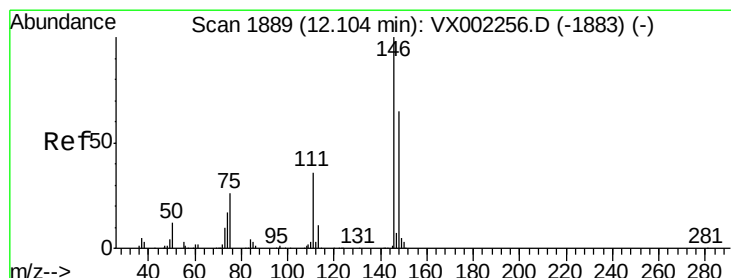
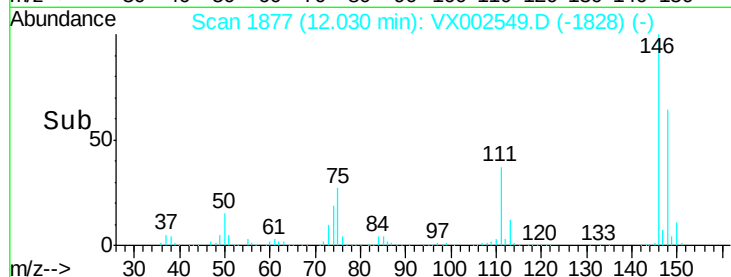
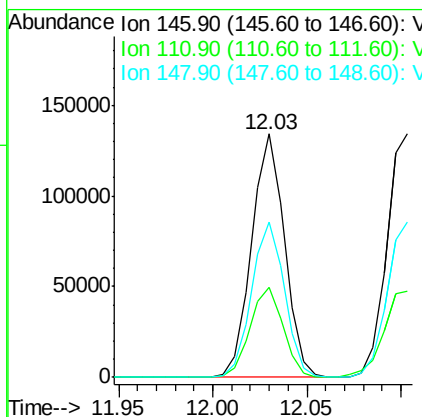
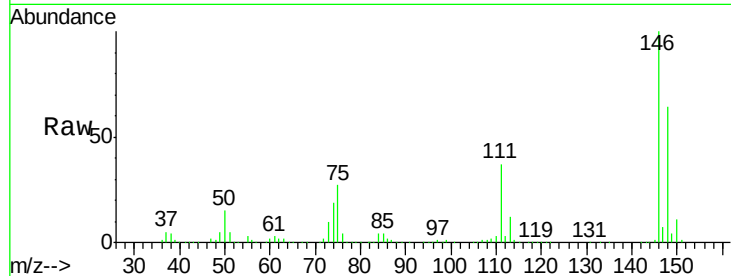
#87
 1,3-Dichlorobenzene
 Concen: 20.230 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.7
148	63.7	32.1	96.3

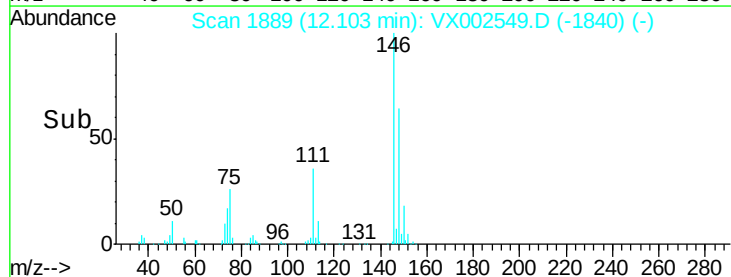
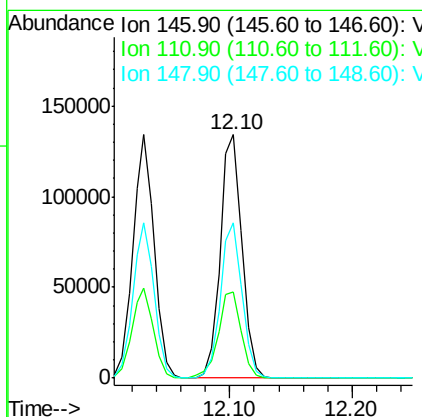
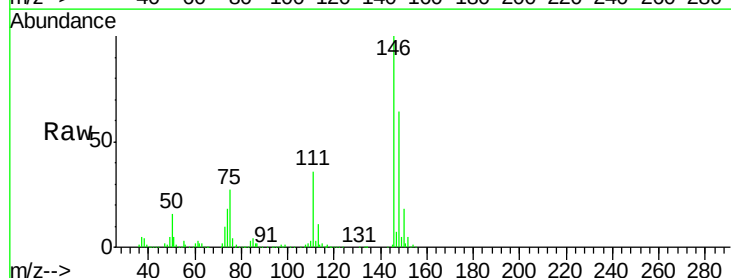
Manual Integrations
 APPROVED

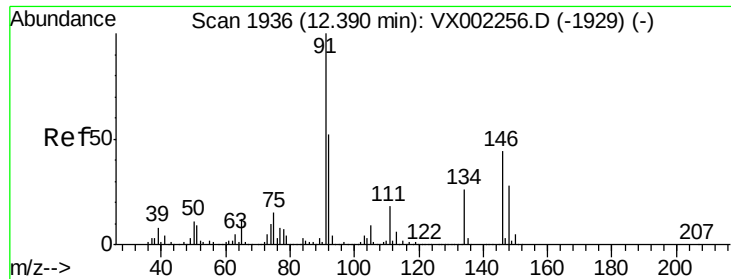
MMDadoda
 6/15/2018 1:11:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.895 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.0	32.4	97.0





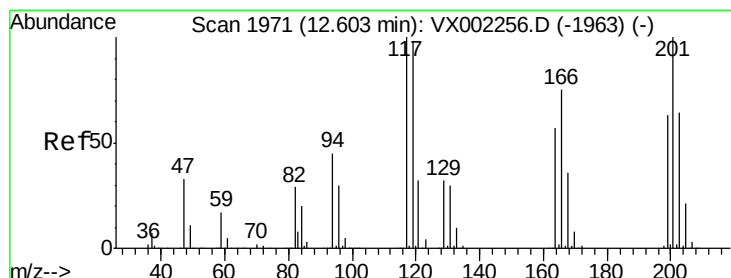
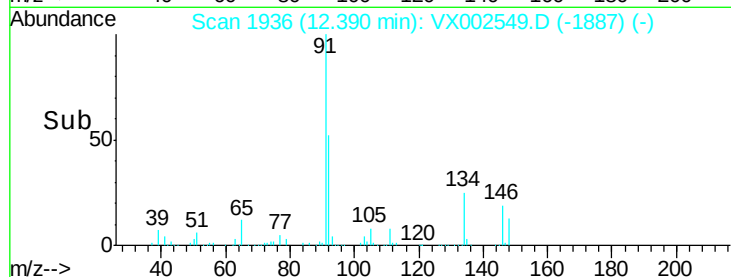
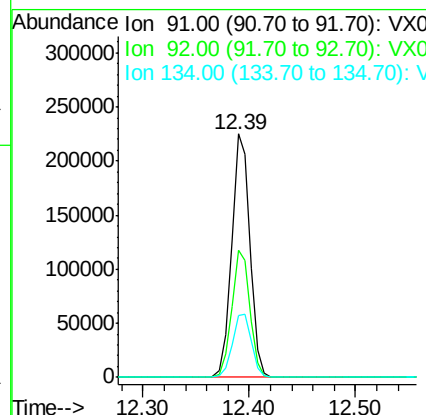
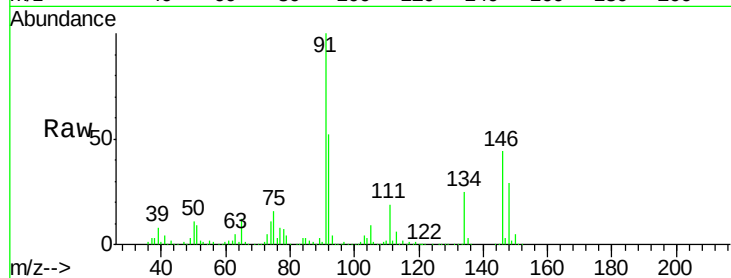
#89
n-Butylbenzene
Concen: 22.524 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	27.3	13.5	40.5

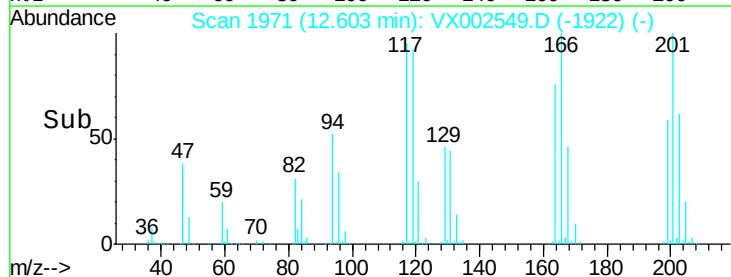
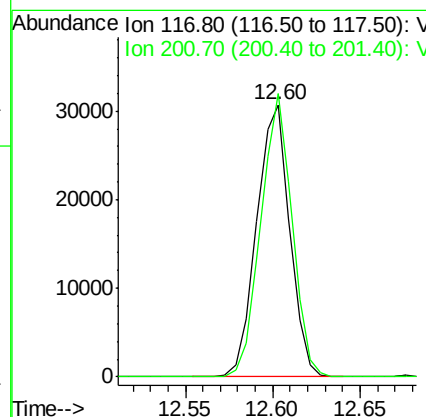
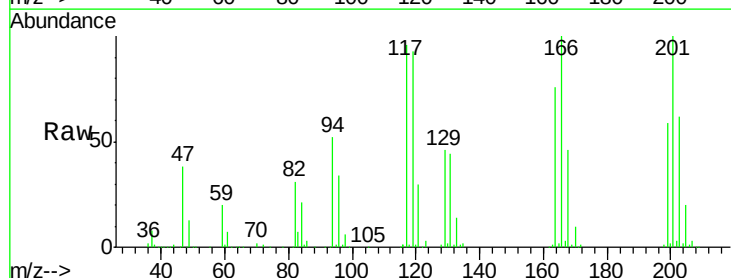
Manual Integrations
APPROVED

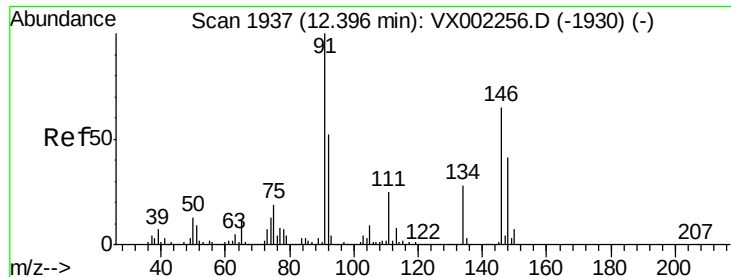
MMDadoda
6/15/2018 1:11:49 PM



#90
Hexachloroethane
Concen: 17.661 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.9	49.0	147.0





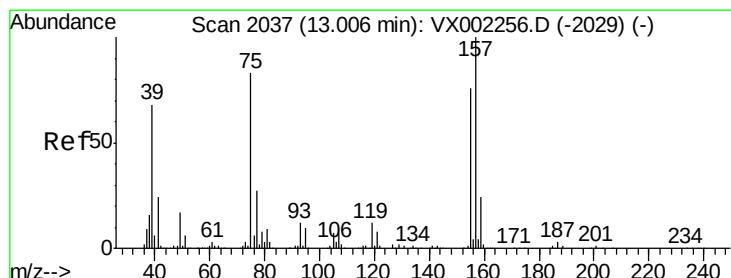
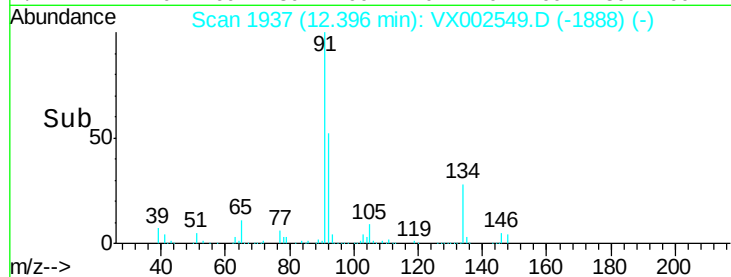
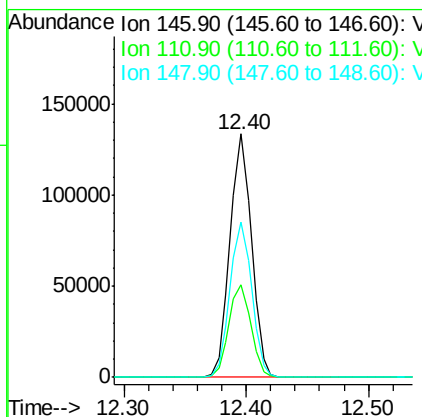
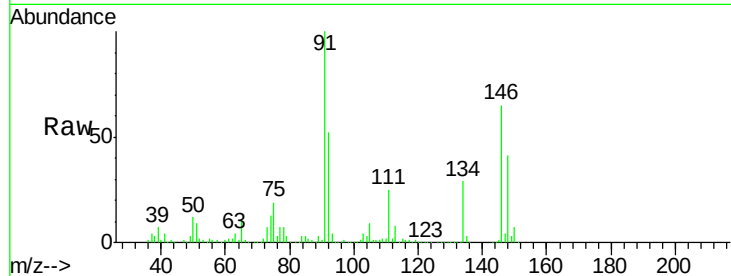
#91
 1,2-Dichlorobenzene
 Concen: 19.522 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	64.4	31.7	95.1

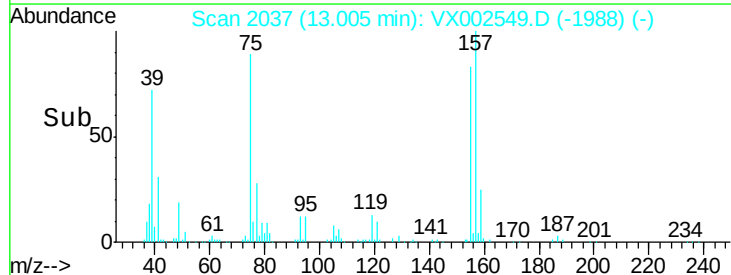
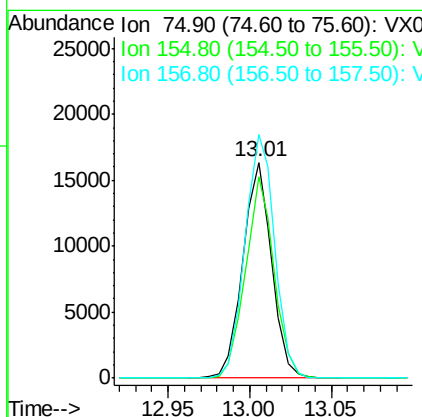
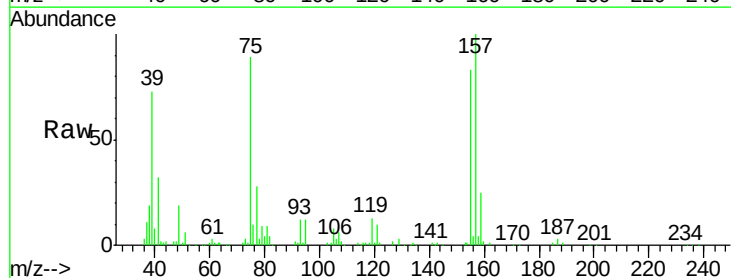
Manual Integrations
 APPROVED

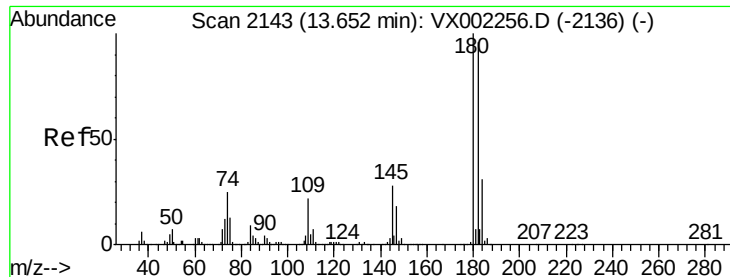
MMDadoda
 6/15/2018 1:11:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.281 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	45.8	137.4
157	116.2	60.1	180.3





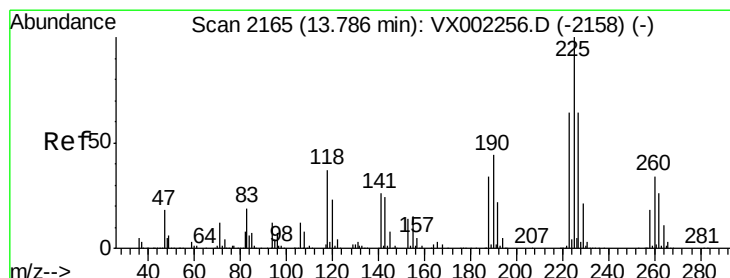
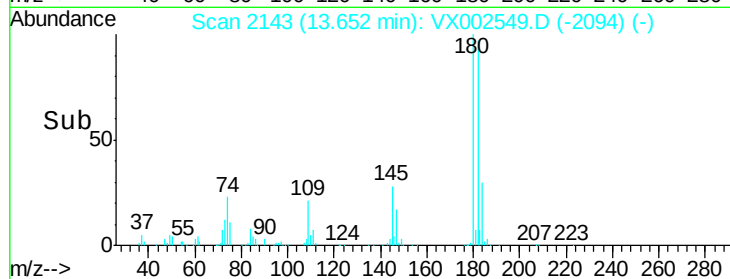
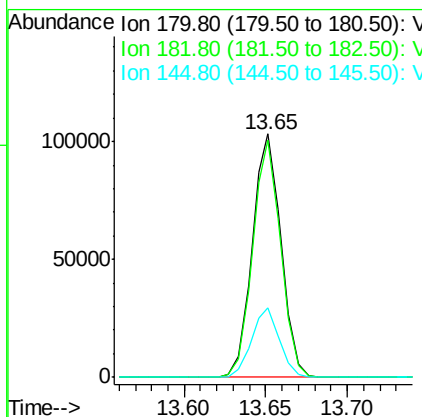
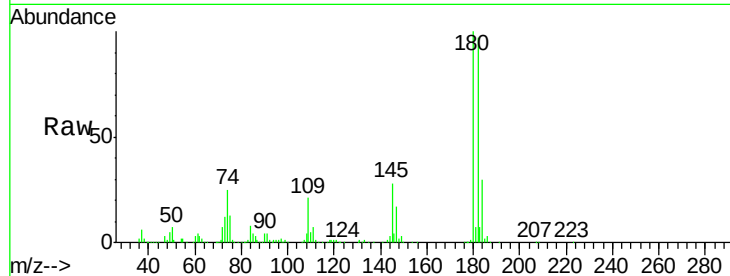
#93
 1,2,4-Trichlorobenzene
 Concen: 21.578 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125876		
182	95.5	47.7	143.1	
145	27.8	14.1	42.4	

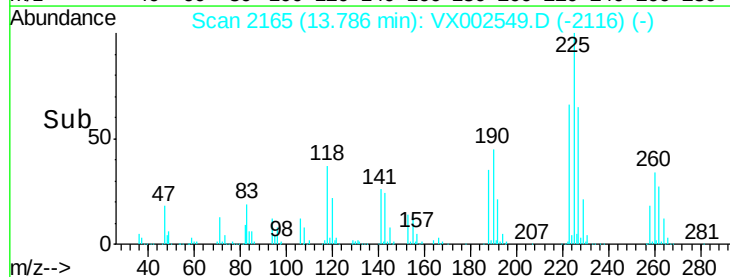
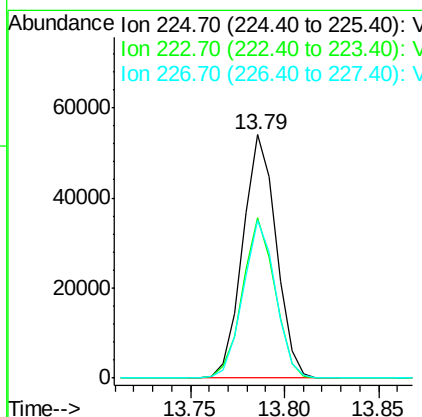
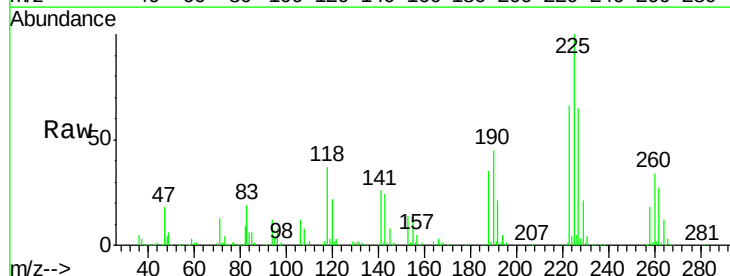
Manual Integrations
 APPROVED

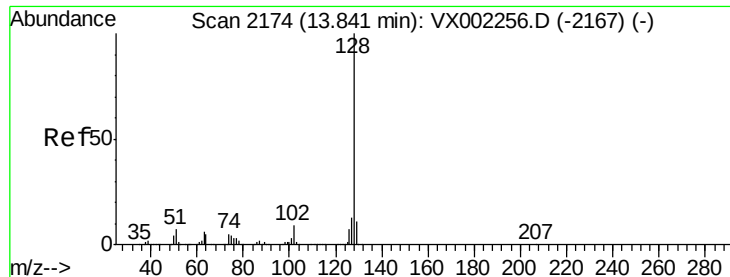
MMDadoda
 6/15/2018 1:11:49 PM



#94
 Hexachlorobutadiene
 Concen: 23.103 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002549.D
 Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66599		
223	63.4	31.6	95.0	
227	62.8	32.4	97.2	





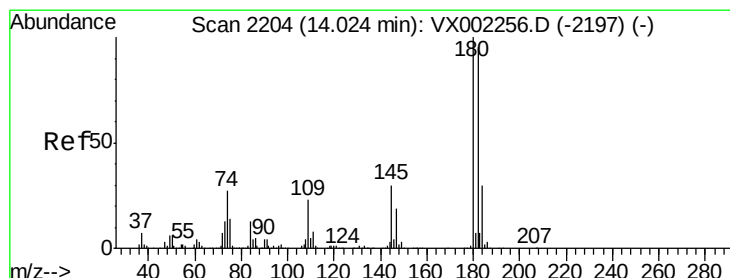
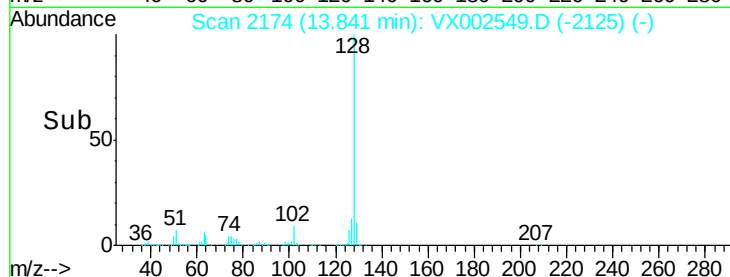
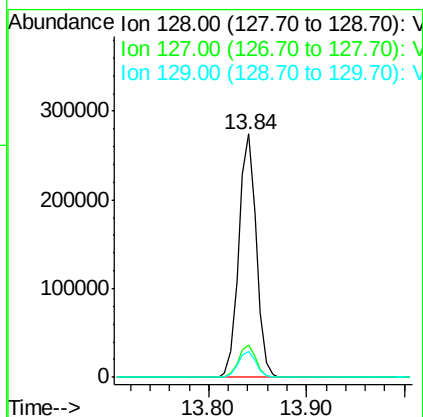
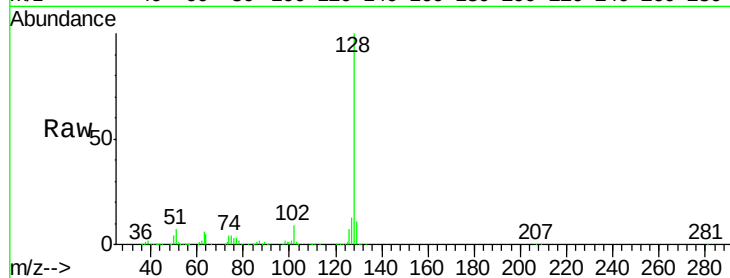
#95
Naphthalene
Concen: 20.234 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:11:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.086 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002549.D
Acq: 14 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.0	144.0
145	29.6	14.8	44.3

