

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030519\
 Data File : VX007849.D
 Acq On : 05 Mar 2019 20:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:49:52 AM

Quant Time: Mar 06 01:13:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	274571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	403249	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	353536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	181065	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	147891	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	
35) Dibromofluoromethane	5.50	113	132704	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
50) Toluene-d8	8.71	98	480419	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
62) 4-Bromofluorobenzene	11.13	95	170971	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	105443	41.688	ug/l	99
3) Chloromethane	1.33	50	128879	45.981	ug/l	99
4) Vinyl Chloride	1.41	62	139000	48.338	ug/l	95
5) Bromomethane	1.64	94	75088	41.181	ug/l	99
6) Chloroethane	1.71	64	132990	72.387	ug/l	95
7) Trichlorofluoromethane	1.93	101	190427	43.197	ug/l	99
8) Diethyl Ether	2.19	74	85427	47.218	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.39	101	117172	43.976	ug/l	98
10) Methyl Iodide	2.51	142	179705	54.165	ug/l	97
11) Tert butyl alcohol	3.08	59	169426	262.554	ug/l	100
12) 1,1-Dichloroethene	2.37	96	113456	47.239	ug/l	95
13) Acrolein	2.30	56	94731	165.203	ug/l	99
14) Allyl chloride	2.73	41	244835	55.132	ug/l	89
15) Acrylonitrile	3.15	53	406991	268.006	ug/l	99
16) Acetone	2.45	43	333251	220.338	ug/l	99
17) Carbon Disulfide	2.57	76	330714	49.495	ug/l	99
18) Methyl Acetate	2.78	43	199715	60.514	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	419241	50.127	ug/l	99
20) Methylene Chloride	2.86	84	130338	46.670	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	121789	46.645	ug/l	96
22) Diisopropyl ether	3.87	45	465769	50.383	ug/l	94
23) Vinyl Acetate	3.82	43	2025838	249.771	ug/l	98
24) 1,1-Dichloroethane	3.70	63	249289	49.617	ug/l	98
25) 2-Butanone	4.70	43	564133	244.864	ug/l	96
26) 2,2-Dichloropropane	4.58	77	160651	40.057	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	147939	44.529	ug/l	93
28) Bromochloromethane	5.02	49	116828	47.764	ug/l	87
29) Tetrahydrofuran	5.15	42	380325	250.437	ug/l	93
30) Chloroform	5.21	83	237524	44.135	ug/l	99
31) Cyclohexane	5.57	56	216624	45.837	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	204602	45.969	ug/l	99
36) 1,1-Dichloropropene	5.80	75	175233	48.335	ug/l	97
37) Ethyl Acetate	4.85	43	213335	52.974	ug/l	100
38) Carbon Tetrachloride	5.78	117	184760	50.734	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	213925	46.689	ug/l	95
40) Benzene	6.14	78	545721	48.763	ug/l	99
41) Methacrylonitrile	5.06	41	121275	56.395	ug/l	94
42) 1,2-Dichloroethane	6.20	62	180384	47.956	ug/l	98
43) Isopropyl Acetate	6.46	43	339424	54.763	ug/l	98
44) Trichloroethene	7.21	130	145867	47.381	ug/l	96
45) 1,2-Dichloropropane	7.51	63	148629	51.270	ug/l	100
46) Dibromomethane	7.66	93	92411	45.693	ug/l	97
47) Bromodichloromethane	7.90	83	188734	53.850	ug/l	99
48) Methyl methacrylate	7.77	41	173001	53.249	ug/l	92
49) 1,4-Dioxane	7.75	88	68763	979.935	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1071288	258.214	ug/l	100
52) Toluene	8.78	92	332907	47.174	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	202178	46.602	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	225139	52.934	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	140296	47.674	ug/l	99
56) Ethyl methacrylate	9.18	69	216456	51.723	ug/l	94
57) 1,3-Dichloropropane	9.37	76	233366	49.539	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	541952	234.839	ug/l	97
59) 2-Hexanone	9.49	43	808607	248.251	ug/l	99
60) Dibromochloromethane	9.59	129	158772	56.070	ug/l	98
61) 1,2-Dibromoethane	9.67	107	146872	48.070	ug/l	99
64) Tetrachloroethene	9.34	164	133735	46.597	ug/l	98
65) Chlorobenzene	10.13	112	367274	48.033	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	142919	53.584	ug/l	99
67) Ethyl Benzene	10.25	91	623396	49.216	ug/l	99
68) m/p-Xylenes	10.36	106	476528	96.705	ug/l	97
69) o-Xylene	10.69	106	232963	49.150	ug/l	96
70) Styrene	10.71	104	386893	49.660	ug/l	100
71) Bromoform	10.85	173	131076	65.536	ug/l	99
73) Isopropylbenzene	11.02	105	624922	48.290	ug/l	99
74) N-amyl acetate	10.90	43	294897	52.475	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	212326	47.438	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	202424m	52.448	ug/l	
77) Bromobenzene	11.26	156	165423	50.964	ug/l	95
78) n-propylbenzene	11.36	91	705200	48.224	ug/l	98
79) 2-Chlorotoluene	11.42	91	412862	46.889	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	514448	48.329	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	66551	46.436	ug/l	89
82) 4-Chlorotoluene	11.51	91	475666	46.179	ug/l	99
83) tert-Butylbenzene	11.77	119	524790	51.347	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	528413	48.530	ug/l	98
85) sec-Butylbenzene	11.94	105	621283	48.510	ug/l	98
86) p-Isopropyltoluene	12.06	119	555040	49.486	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	293536	48.754	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	293844	47.654	ug/l	99
89) n-Butylbenzene	12.39	91	473184	47.305	ug/l	99
90) Hexachloroethane	12.60	117	101534	53.726	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	295174	48.998	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46745	47.932	ug/l	98

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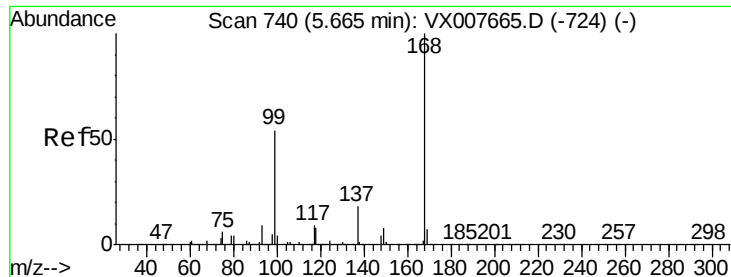
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	212006	57.654	ug/l	100
94) Hexachlorobutadiene	13.78	225	110884	65.916	ug/l	99
95) Naphthalene	13.83	128	635639	53.354	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	213274	57.762	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 274571

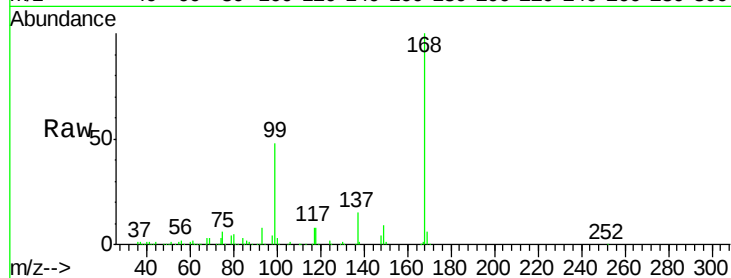
Ion Ratio Lower Upper

168 100

99 48.3 37.9 56.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

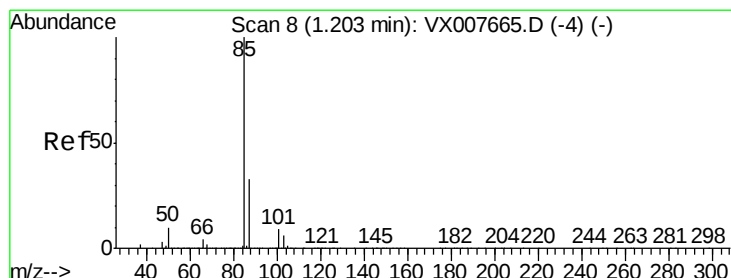
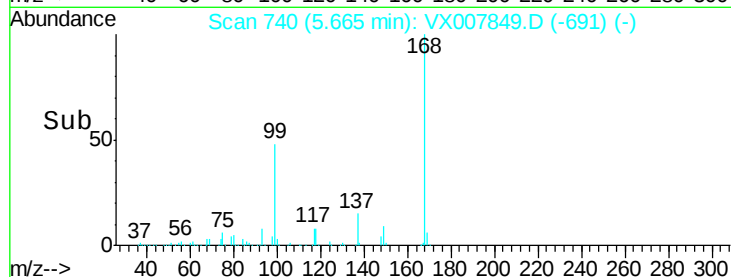
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.688 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.01 min

Lab File: VX007849.D

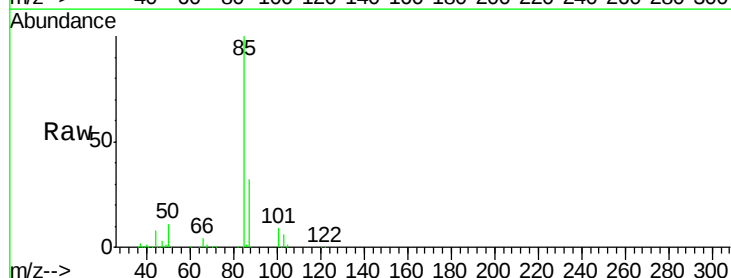
Acq: 05 Mar 2019 20:34

Tgt Ion: 85 Resp: 105443

Ion Ratio Lower Upper

85 100

87 32.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

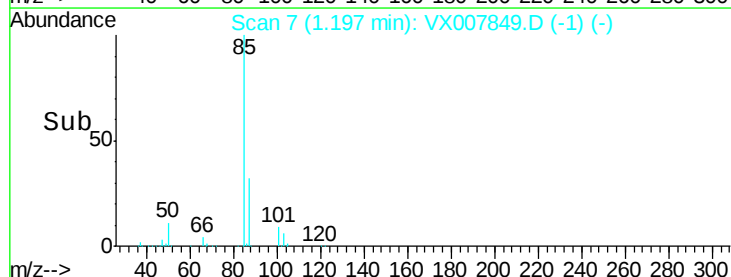
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 45.981 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 128879

Ion Ratio Lower Upper

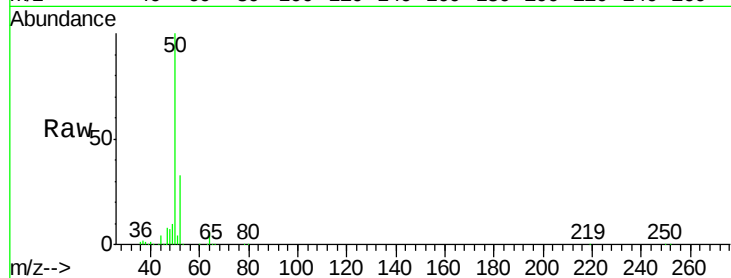
50 100

52 33.0 26.1 39.1

Manual Integrations
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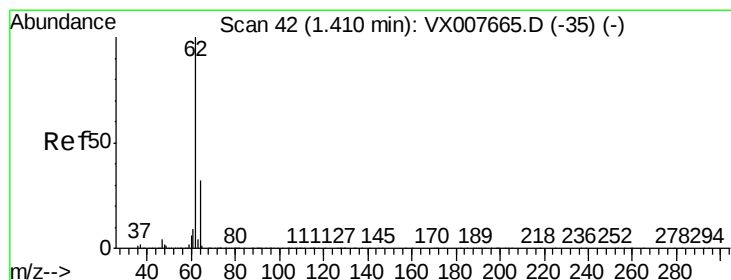
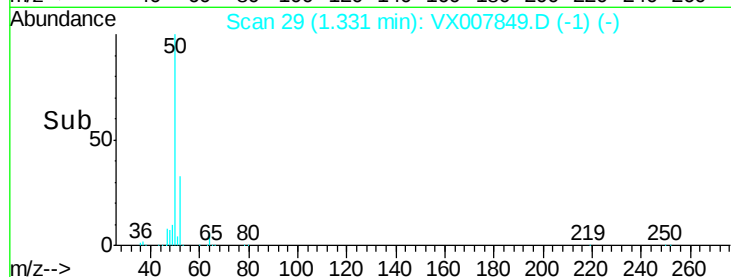
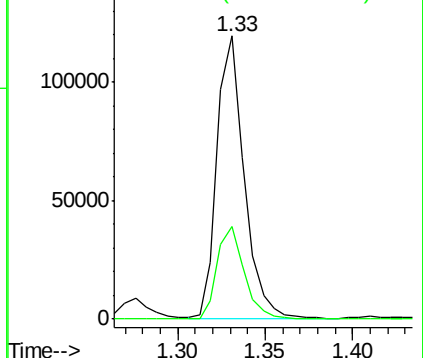
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.338 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007849.D

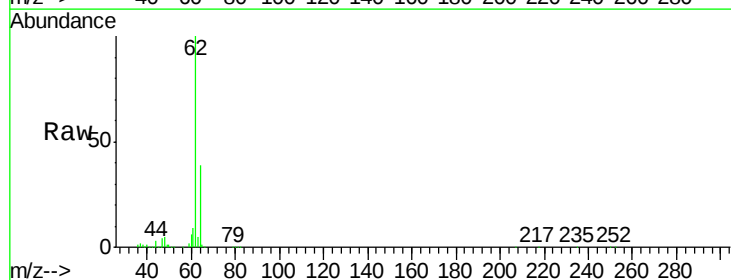
Acq: 05 Mar 2019 20:34

Tgt Ion: 62 Resp: 139000

Ion Ratio Lower Upper

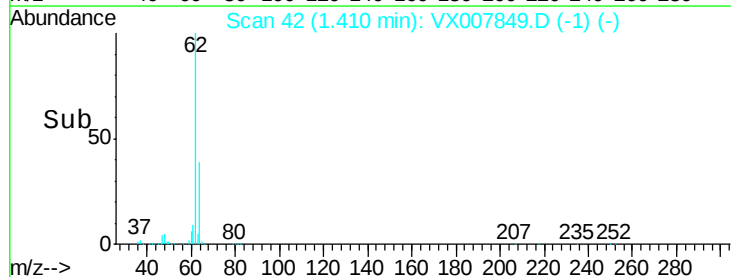
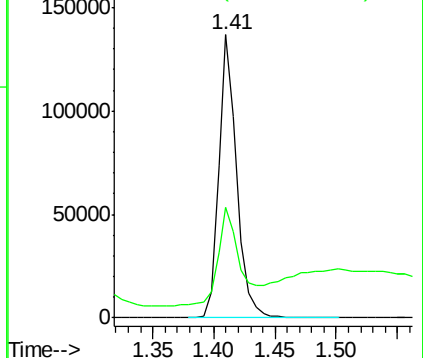
62 100

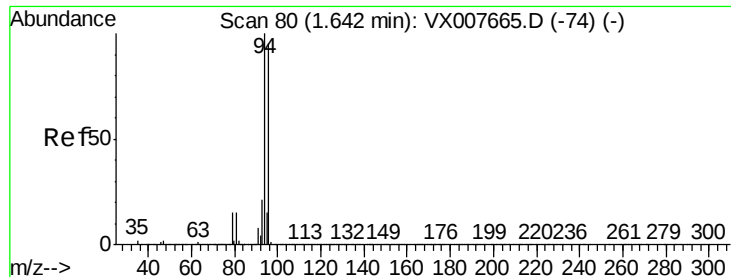
64 34.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 41.181 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tot Ion: 94 Resp: 75088

Ion Ratio Lower Upper

94 100

96 93.4 73.9 110.9

Instrument :

MSVOA_X

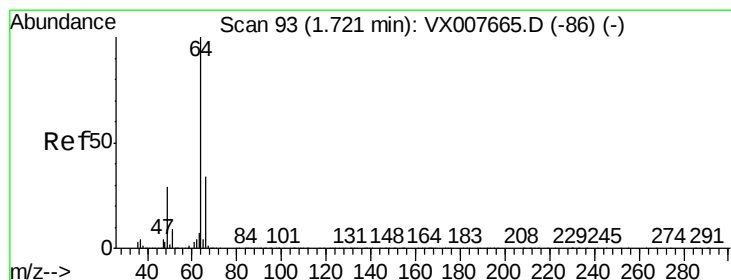
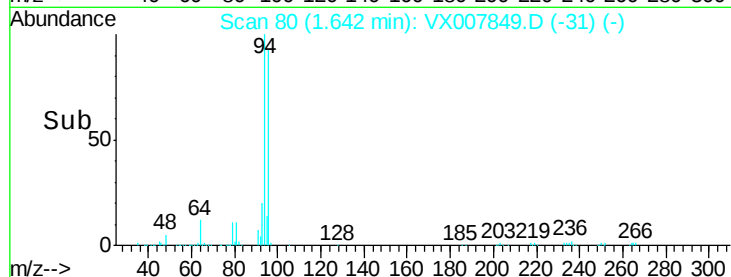
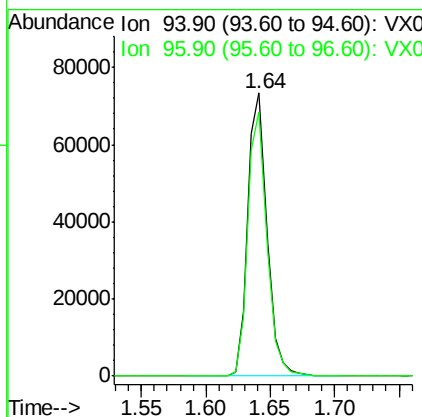
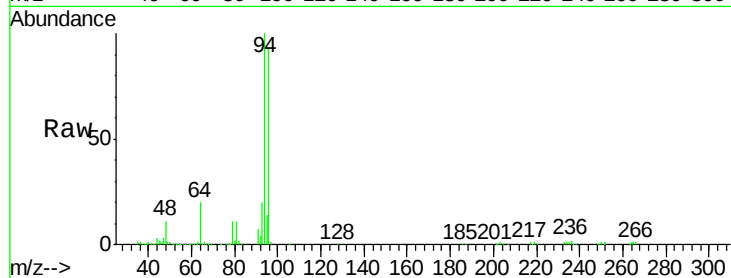
ClientSampleId :

VSTDCCC050EC

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3/6/2019 9:49:52 AM



#6

Chloroethane

Concen: 72.387 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007849.D

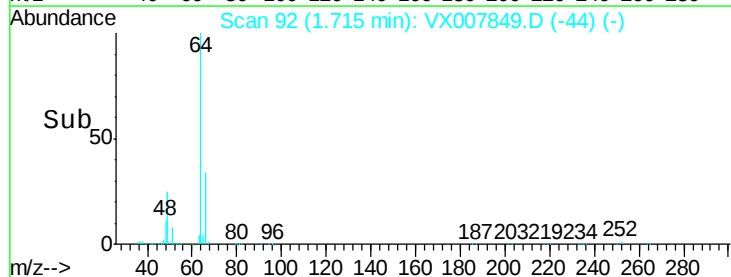
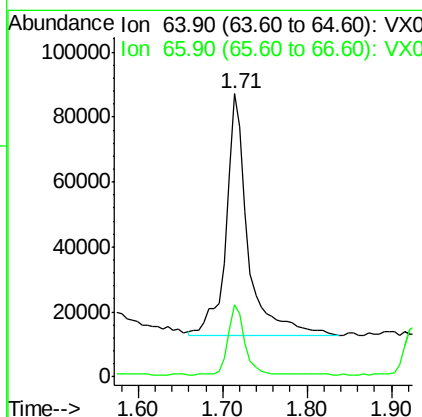
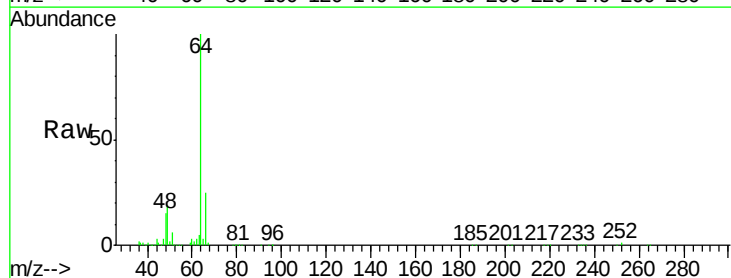
Acq: 05 Mar 2019 20:34

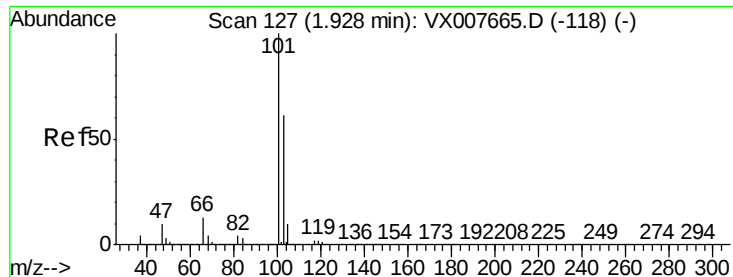
Tgt Ion: 64 Resp: 132990

Ion Ratio Lower Upper

64 100

66 28.9 25.5 38.3





#7

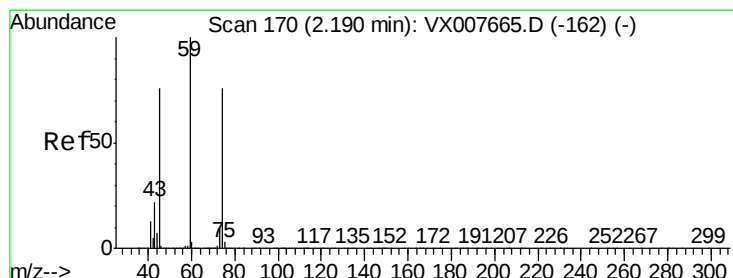
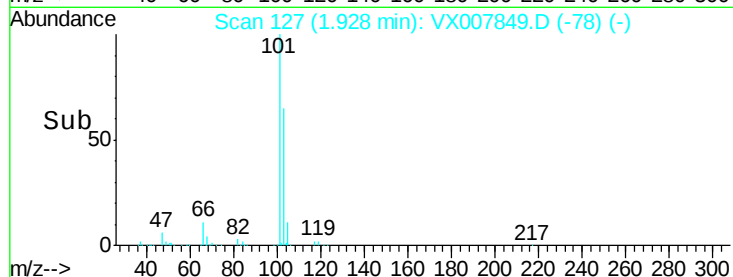
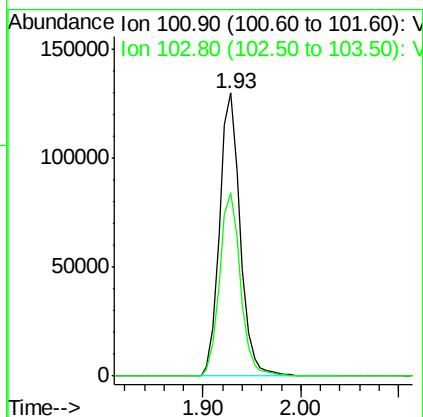
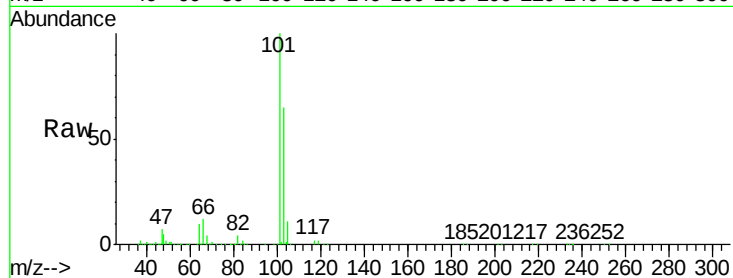
Trichlorofluoromethane
Concen: 43.197 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.6	79.0

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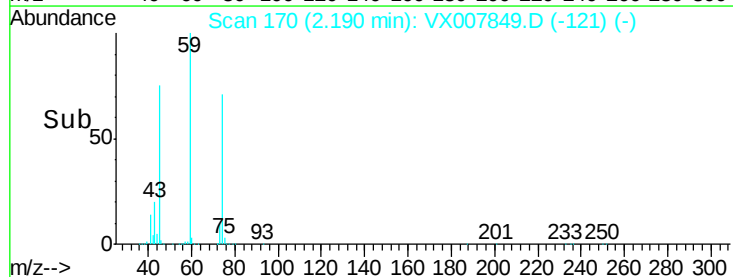
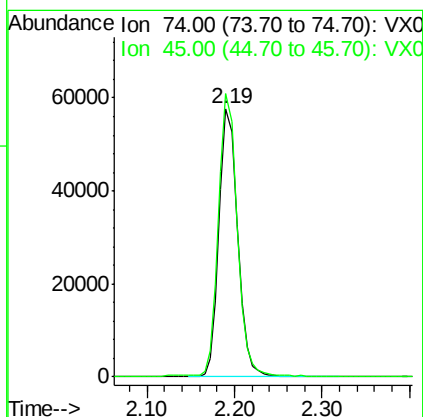
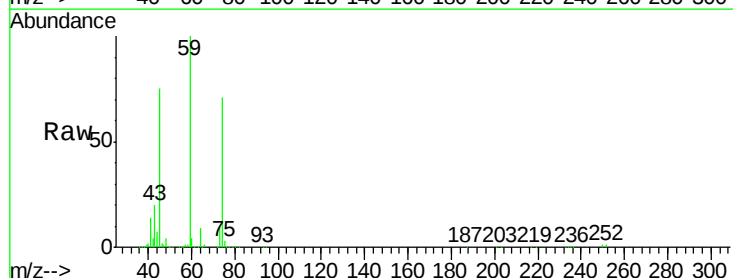
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#8

Diethyl Ether
Concen: 47.218 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.976 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

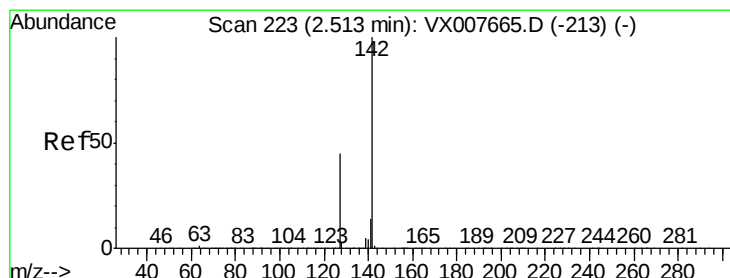
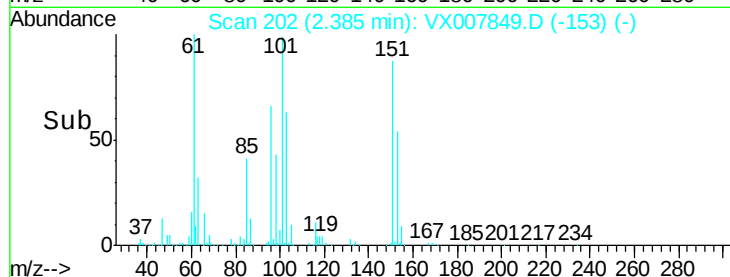
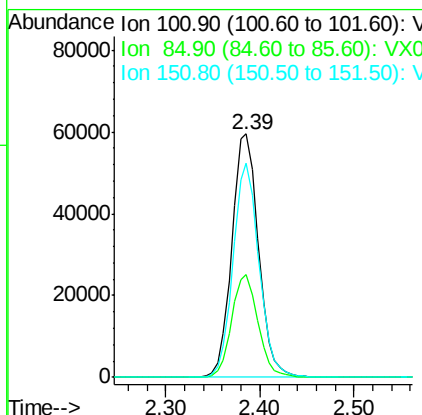
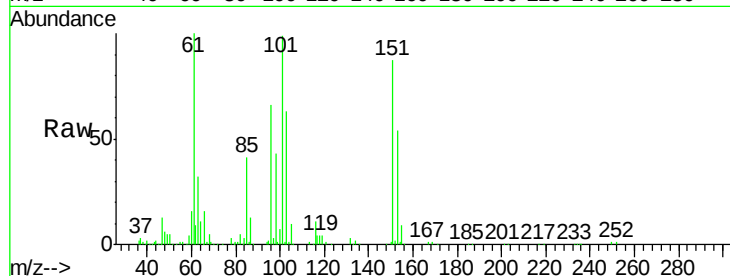
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	117172
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.1	51.1
151	85.7	69.9	104.9

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#10

Methyl Iodide

Concen: 54.165 ug/l

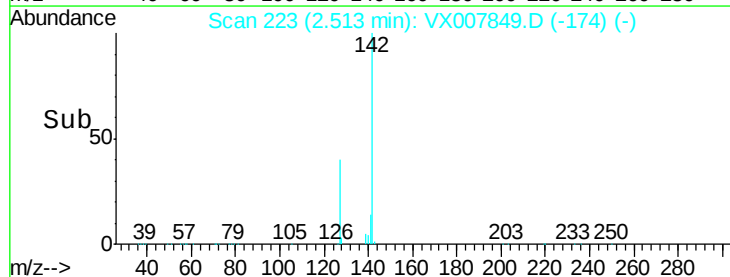
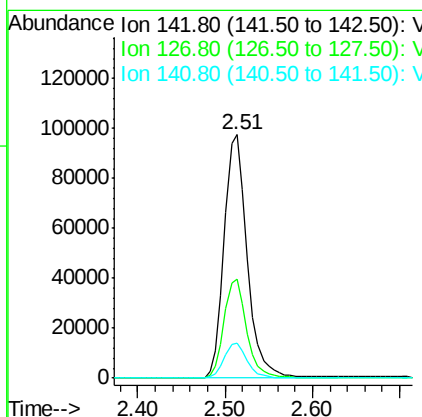
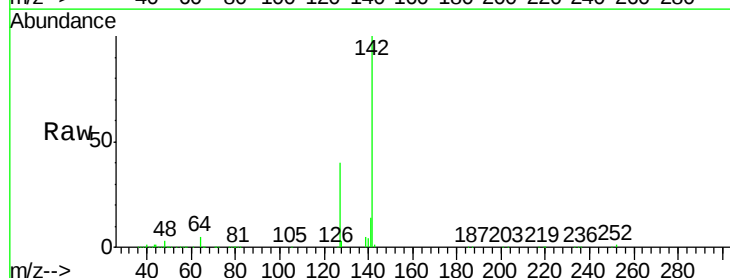
RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tgt Ion:	142	Resp:	179705
Ion Ratio	Lower	Upper	
142	100		
127	40.0	33.7	50.5
141	14.5	11.3	16.9





#11

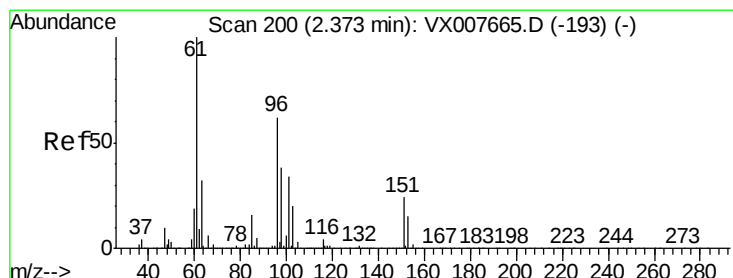
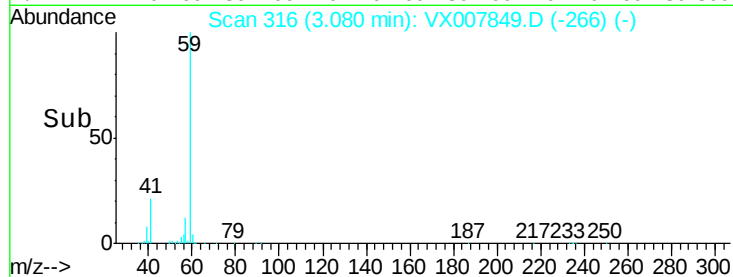
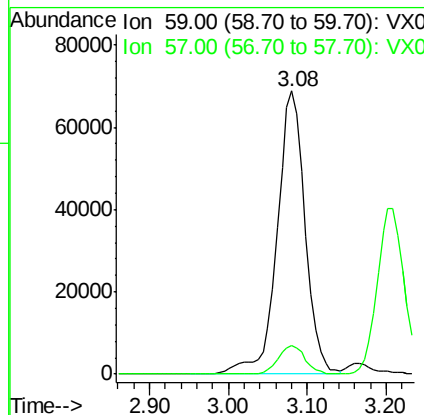
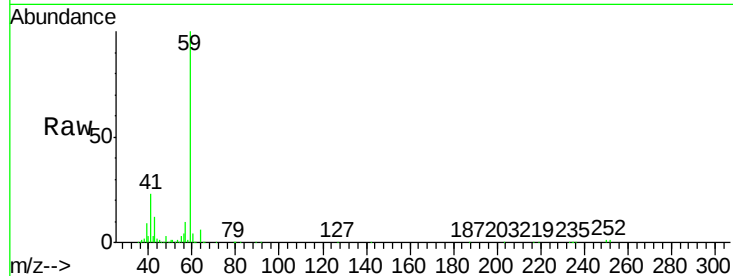
Tert butyl alcohol
Concen: 262.554 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

Manual Integrations
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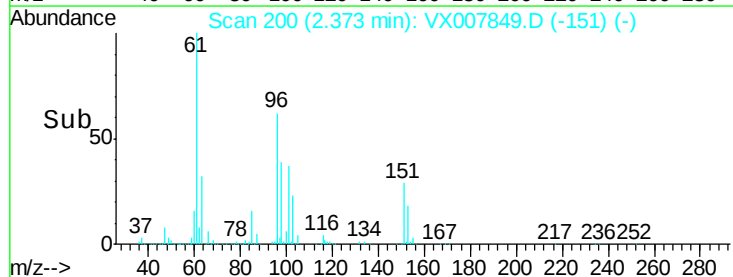
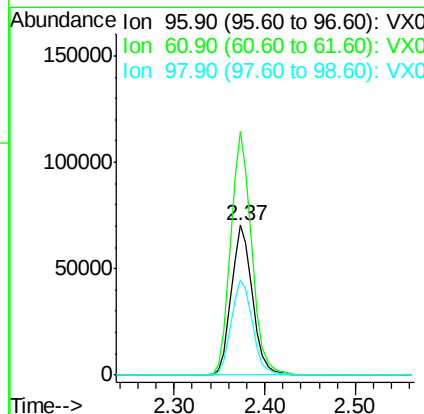
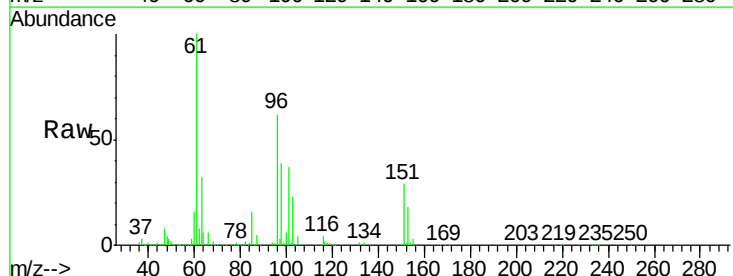
MMDadoda
3/6/2019 9:49:52 AM

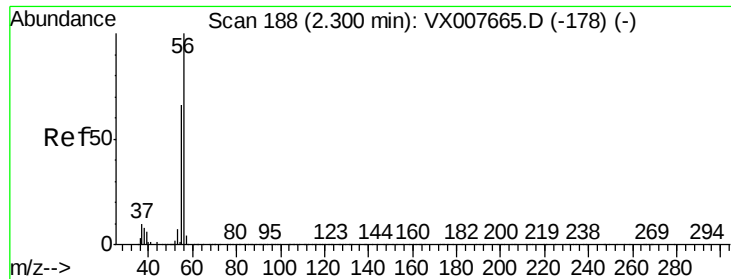


#12

1,1-Dichloroethene
Concen: 47.239 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.3	123.0	184.4
98	63.3	50.9	76.3





#13

Acrolein

Concen: 165.203 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 94731

Ion Ratio Lower Upper

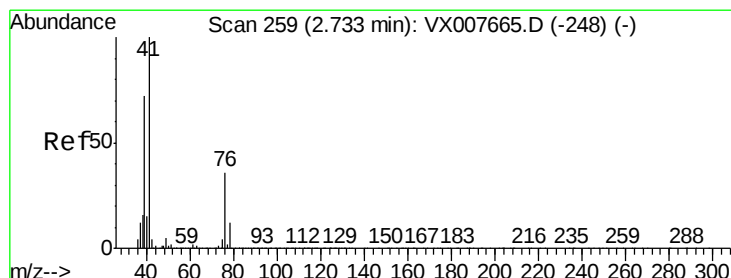
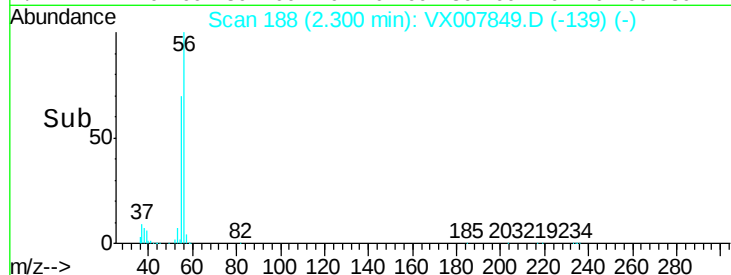
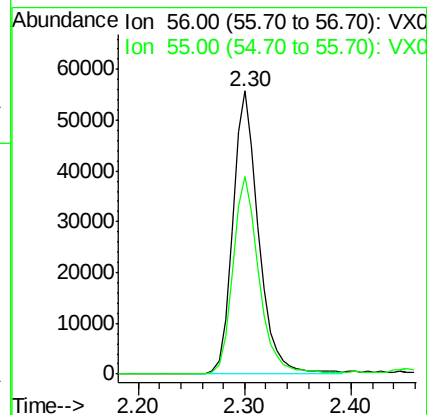
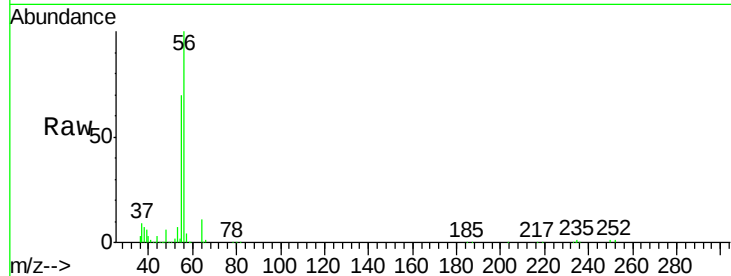
56 100

55 70.7 56.9 85.3

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#14

Allyl chloride

Concen: 55.132 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

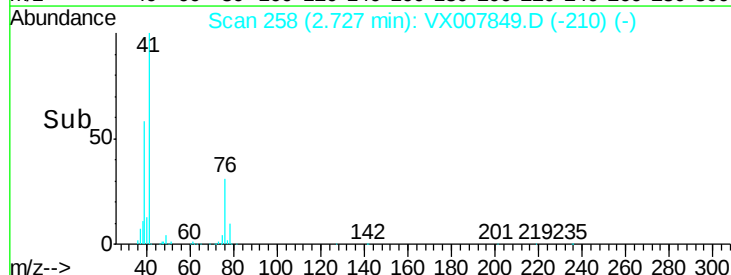
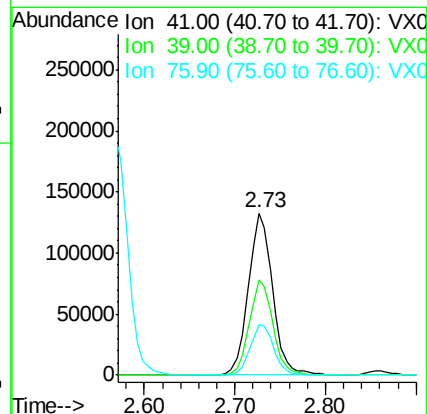
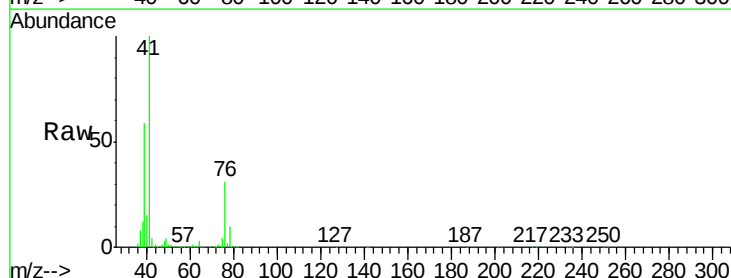
Tgt Ion: 41 Resp: 244835

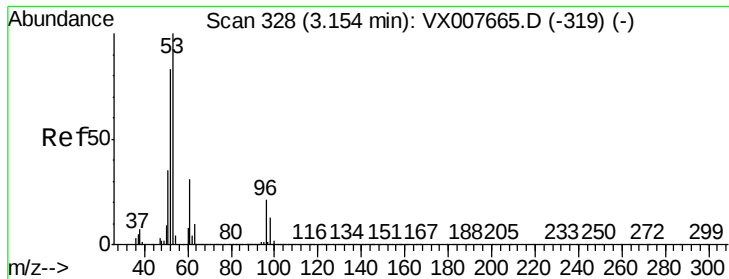
Ion Ratio Lower Upper

41 100

39 57.0 54.1 81.1

76 30.6 27.8 41.8





#15

Acrylonitrile

Concen: 268.006 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

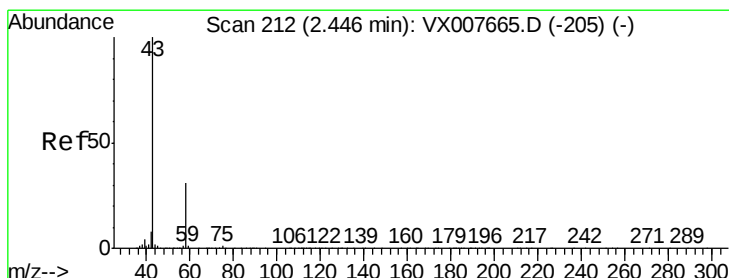
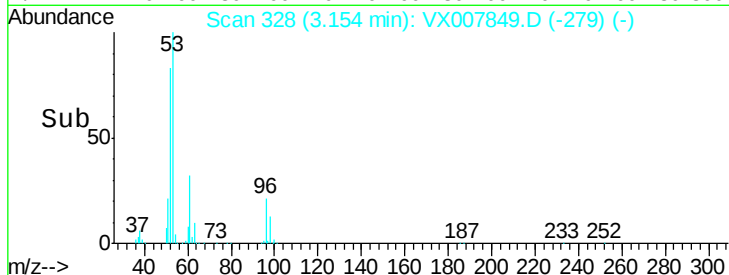
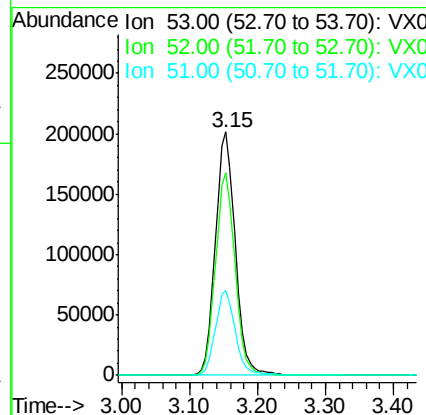
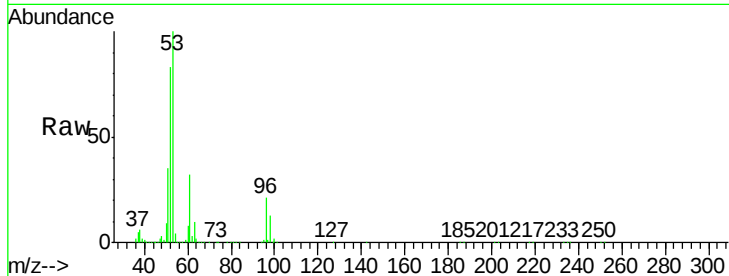
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	406991
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	34.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 220.338 ug/l

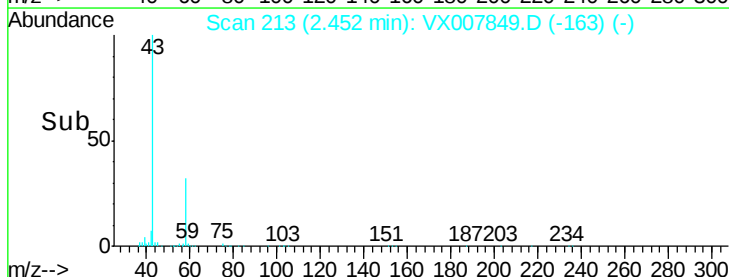
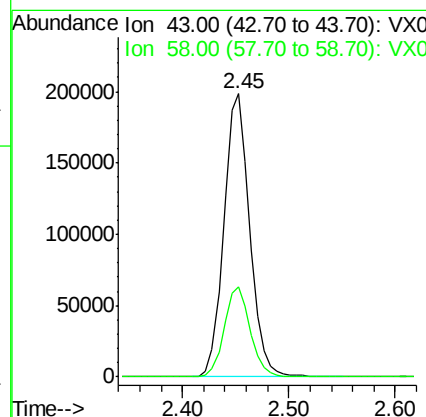
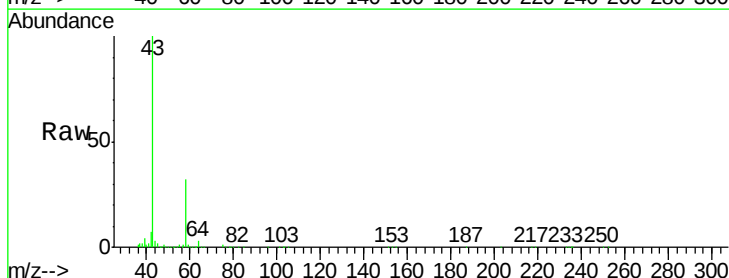
RT: 2.45 min Scan# 213

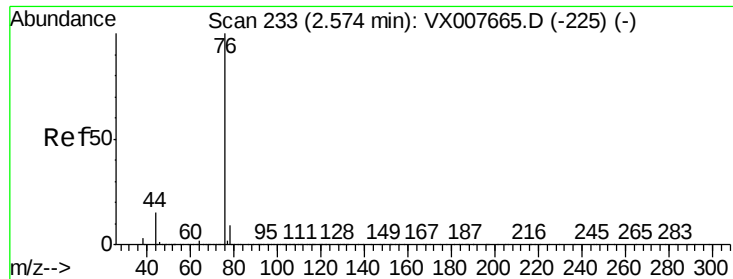
Delta R.T. 0.01 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tgt Ion:	43	Resp:	333251
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.9	37.3





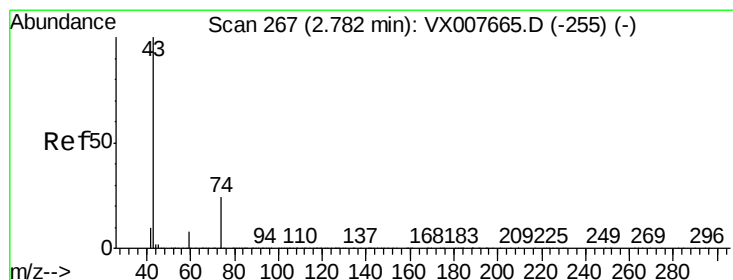
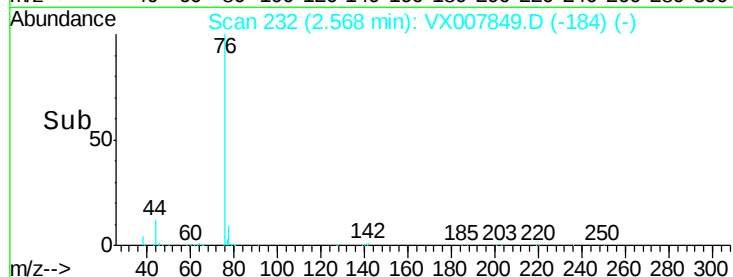
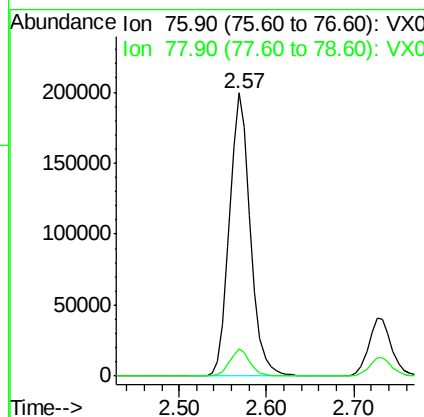
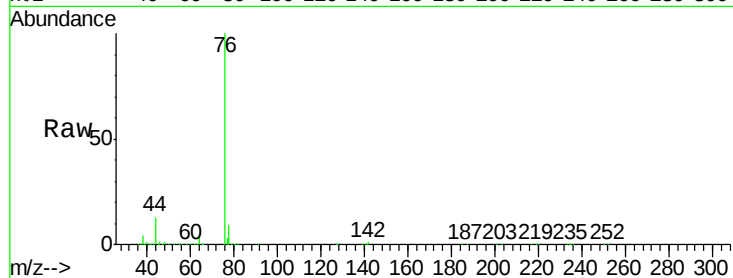
#17
Carbon Disulfide
Concen: 49.495 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

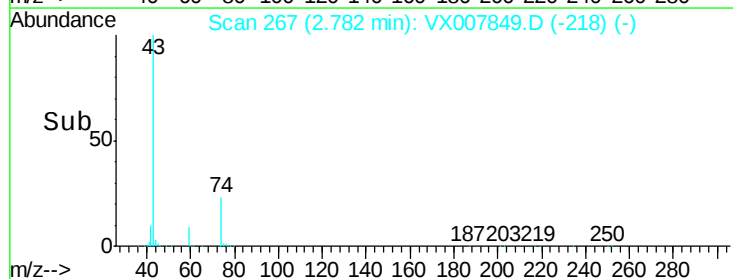
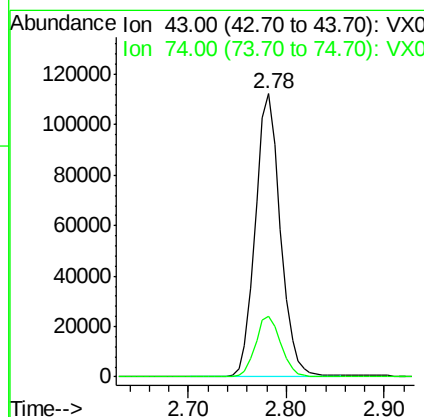
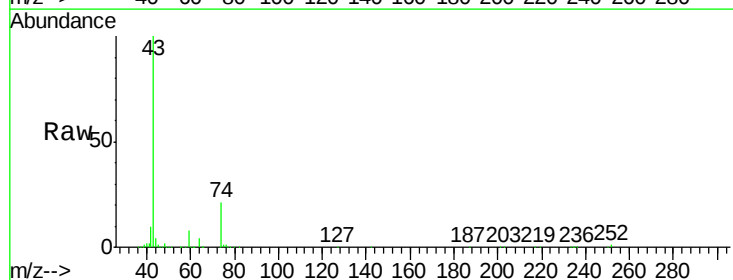
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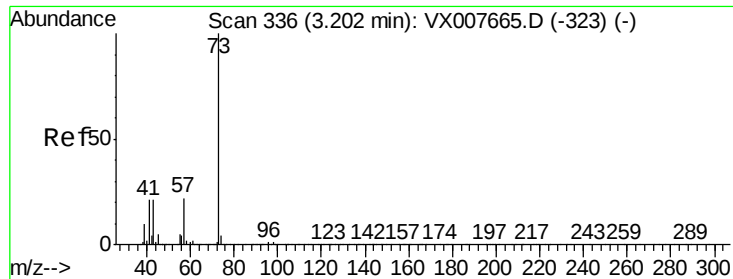
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#18
Methyl Acetate
Concen: 60.514 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	19.4	29.2





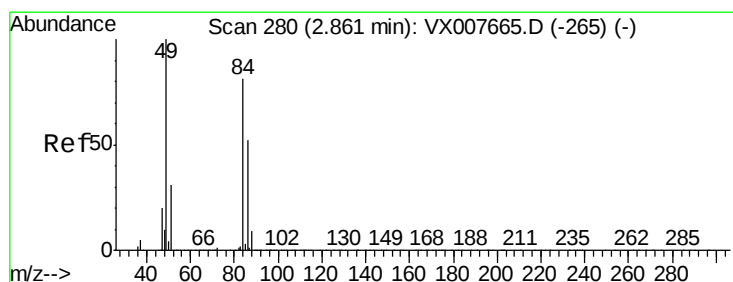
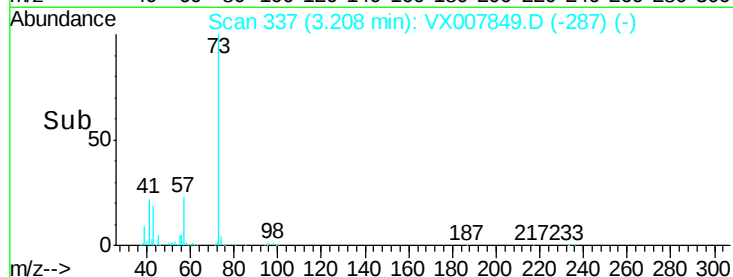
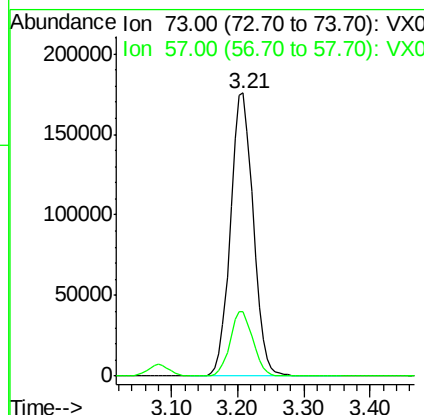
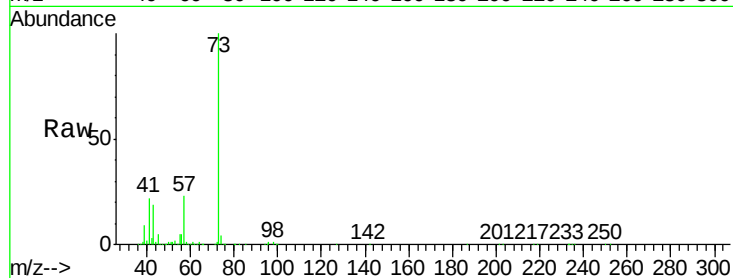
#19
Methvl tert-butvl Ether
Concen: 50.127 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.8	26.8

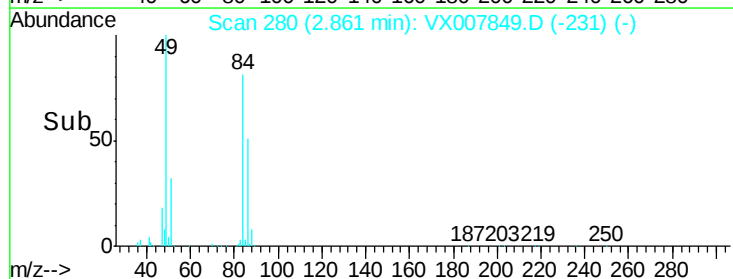
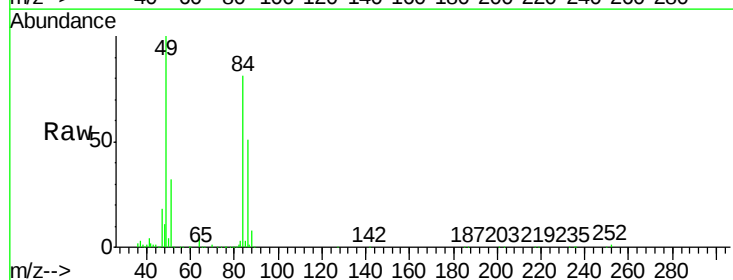
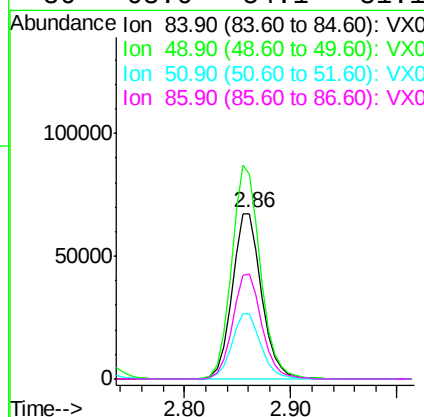
Manual Integrations
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#20
Methylene Chloride
Concen: 46.670 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.6	94.8	142.2
51	39.6	29.8	44.8
86	63.6	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 46.645 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

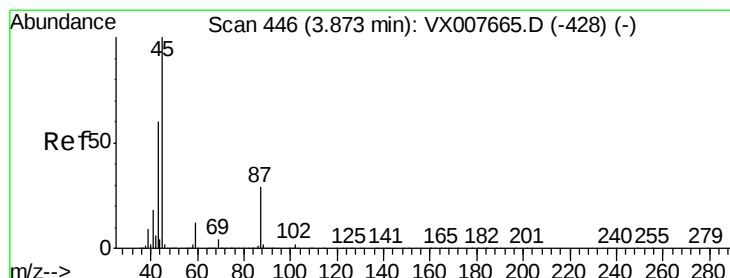
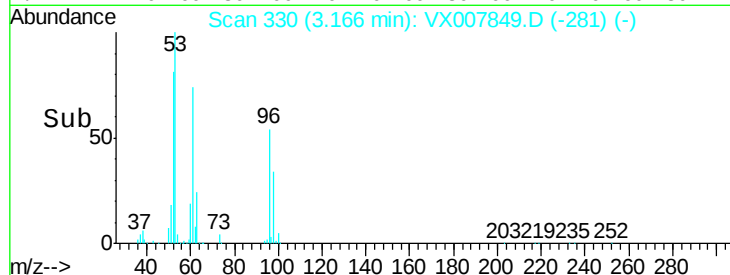
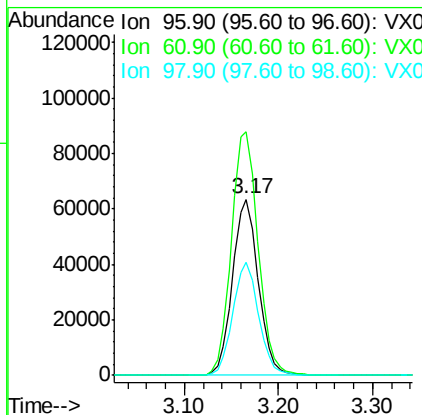
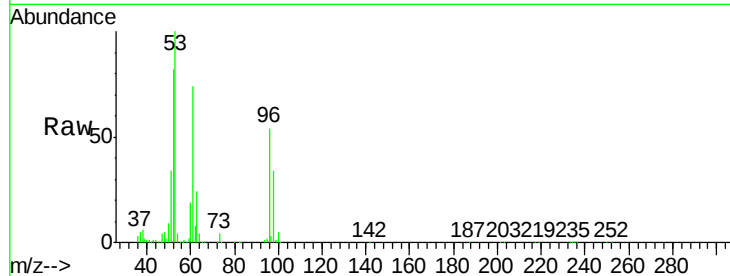
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	121789
Ion	Ratio	Lower	Upper
96	100		
61	137.9	104.6	156.8
98	63.9	51.0	76.4

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#22

Diisopropyl ether

Concen: 50.383 ug/l

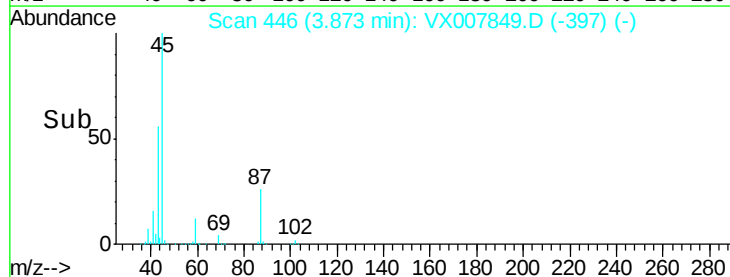
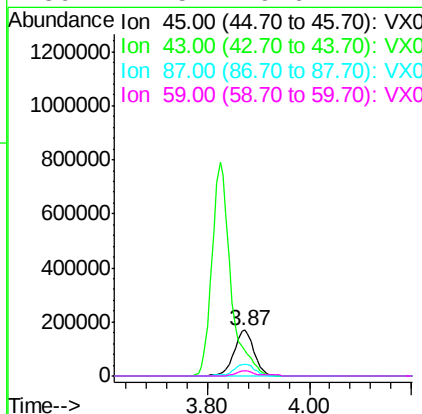
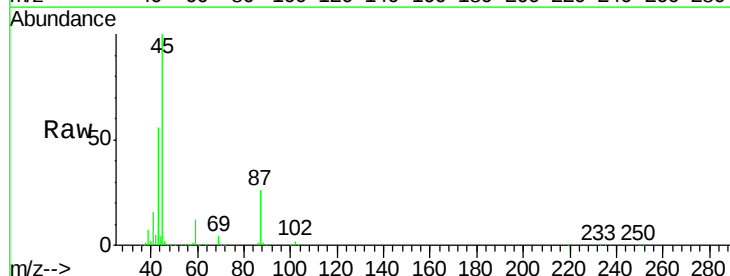
RT: 3.87 min Scan# 446

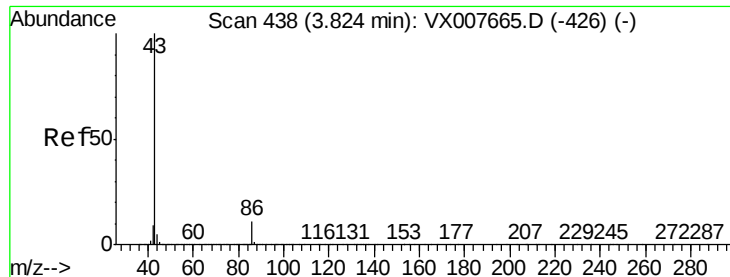
Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tgt Ion:	45	Resp:	465769
Ion	Ratio	Lower	Upper
45	100		
43	56.0	48.9	73.3
87	26.5	23.9	35.9
59	11.5	9.6	14.4





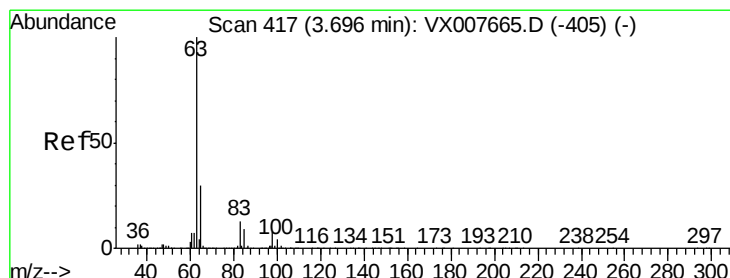
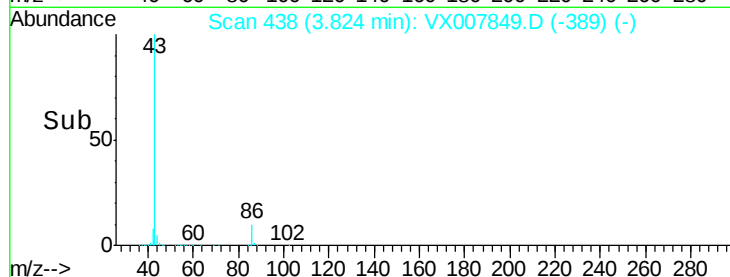
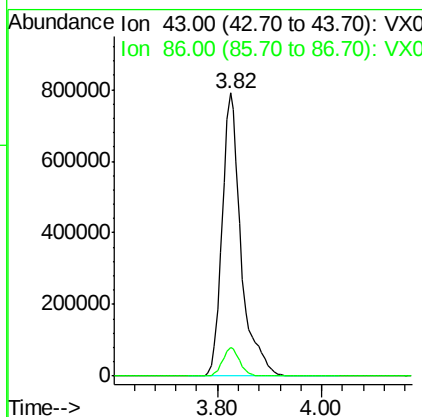
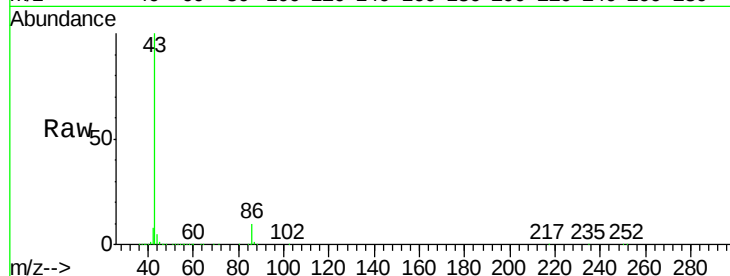
#23
 Vinyl Acetate
 Concen: 249.771 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2025838
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.7 13.1

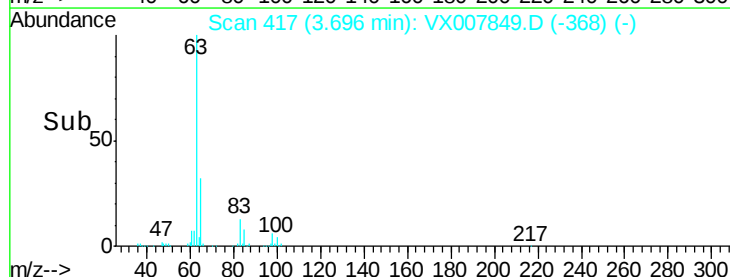
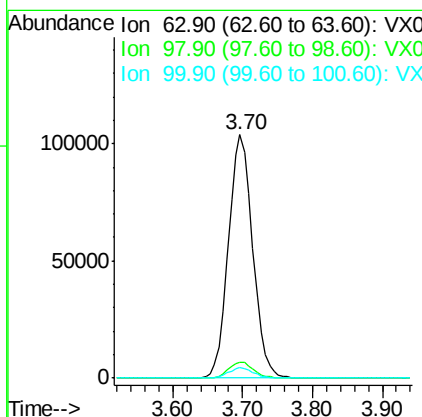
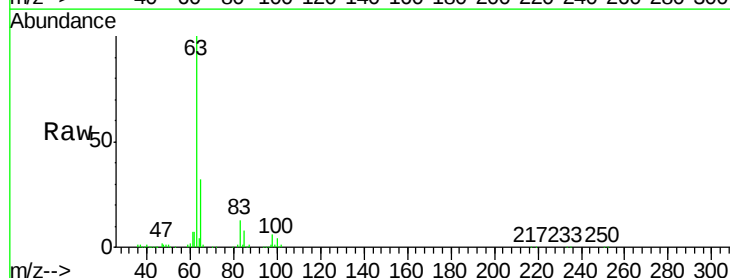
Manual Integrations
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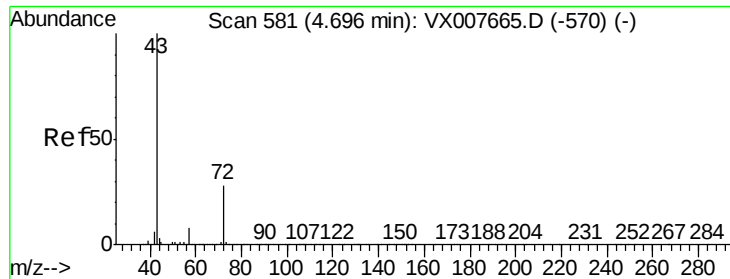
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#24
 1,1-Dichloroethane
 Concen: 49.617 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Tgt Ion: 63 Resp: 249289
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.6 10.8
 100 4.2 2.5 7.4





#25

2-Butanone

Concen: 244.864 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tot Ion: 43 Resp: 564133

Ion Ratio Lower Upper

43 100

72 25.8 22.2 33.2

Instrument :

MSVOA_X

ClientSampleId :

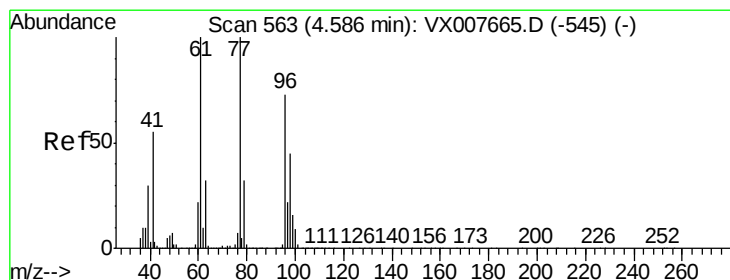
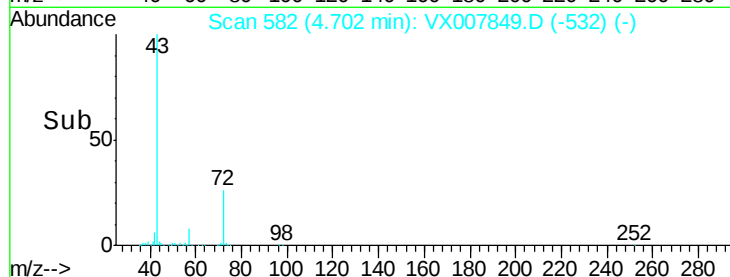
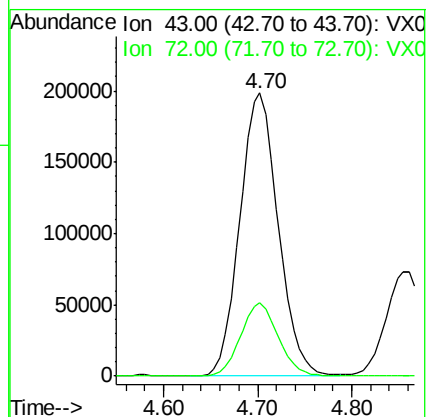
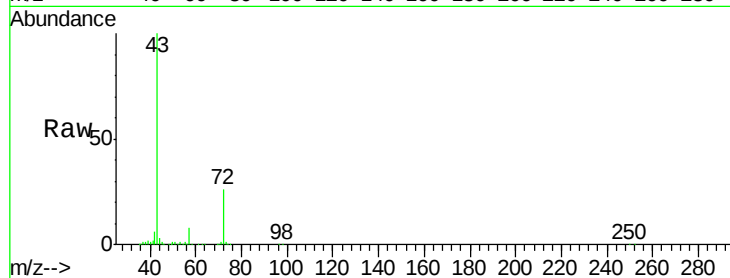
VSTDCCC050EC

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#26

2,2-Dichloropropane

Concen: 40.057 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007849.D

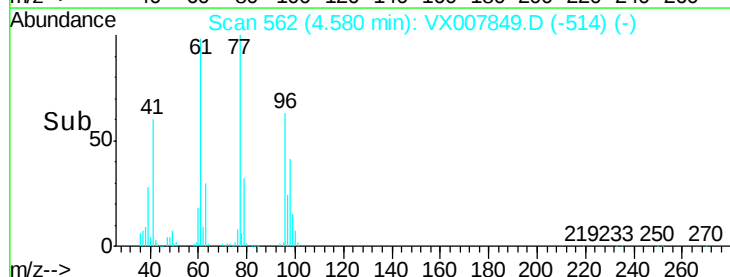
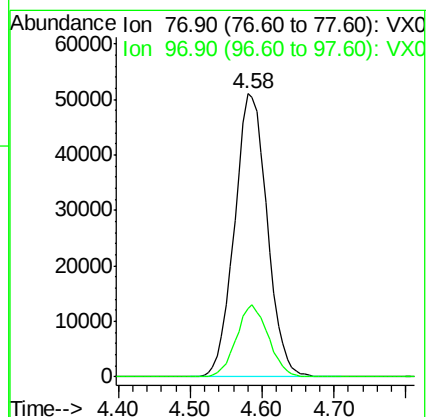
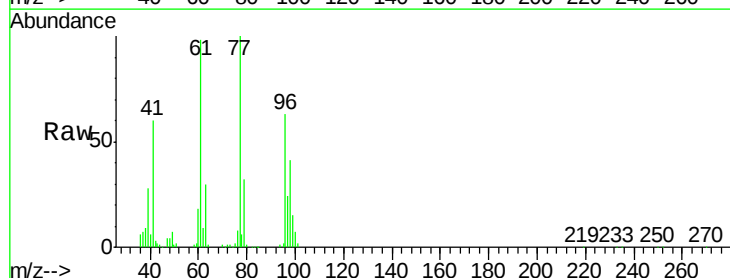
Acq: 05 Mar 2019 20:34

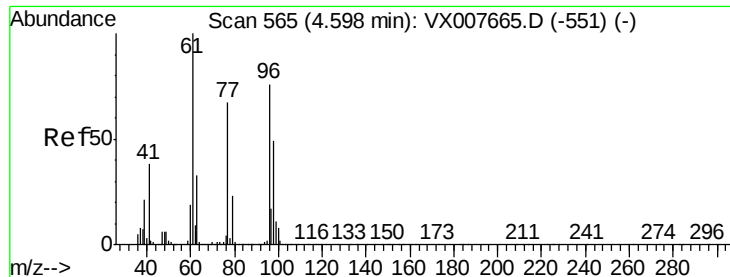
Tgt Ion: 77 Resp: 160651

Ion Ratio Lower Upper

77 100

97 24.9 12.1 36.3





#27

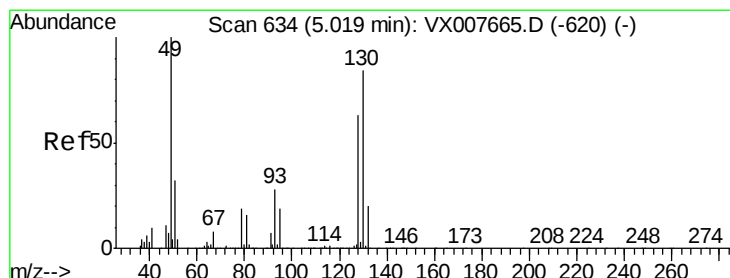
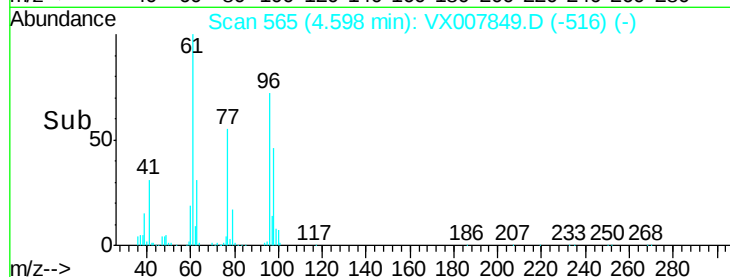
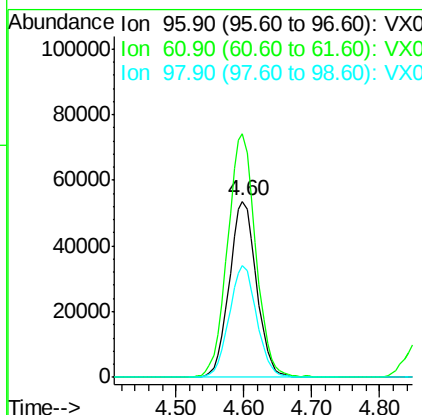
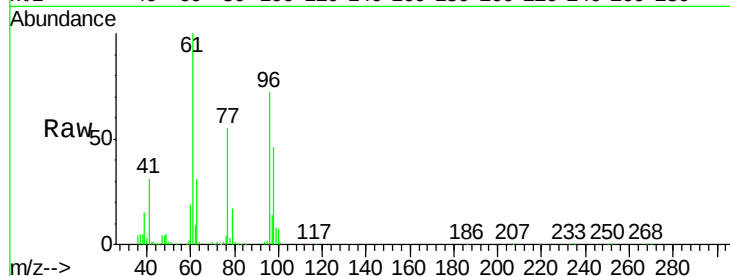
cis-1,2-Dichloroethene
Concen: 44.529 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	265.6
98	64.4	0.0	131.6

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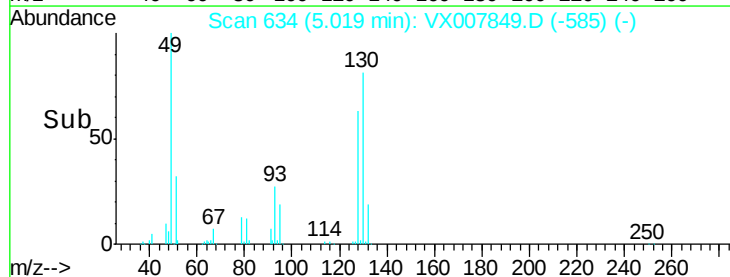
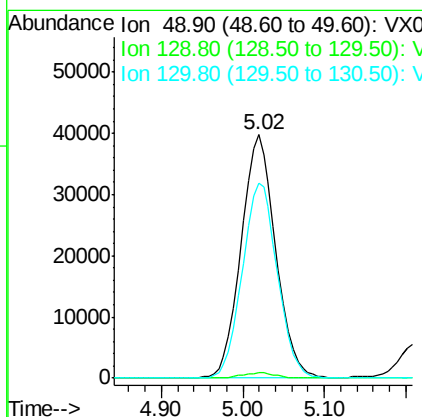
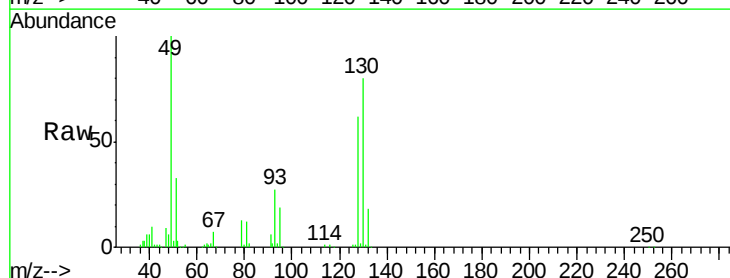
MMDadoda
3/6/2019 9:49:52 AM

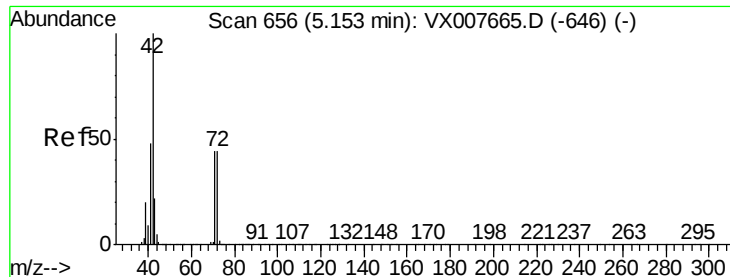


#28

Bromochloromethane
Concen: 47.764 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.6
130	81.4	75.6	113.4





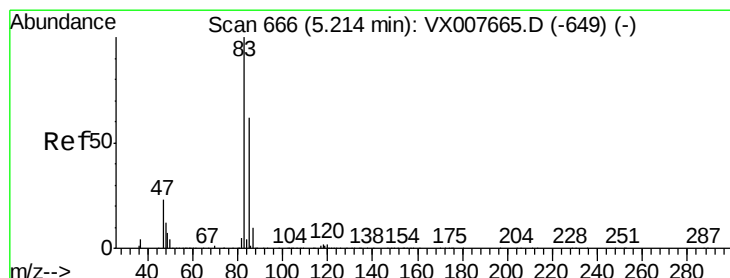
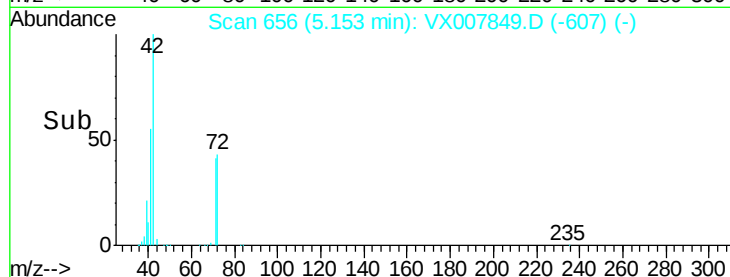
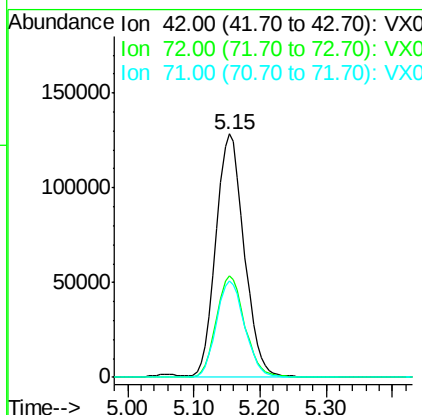
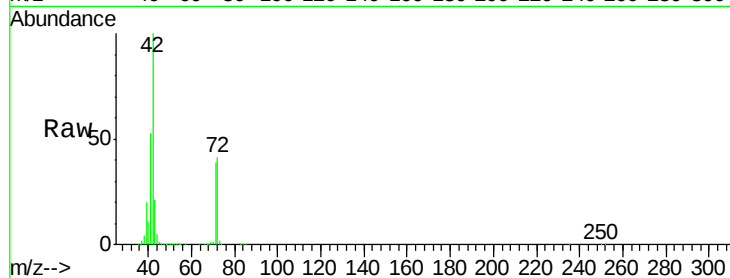
#29
Tetrahydrofuran
Concen: 250.437 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	37.6	56.4
71	39.6	34.6	51.8

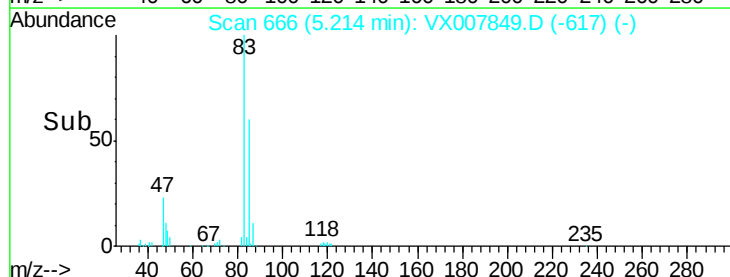
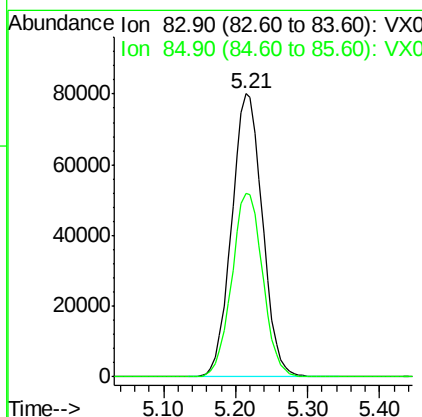
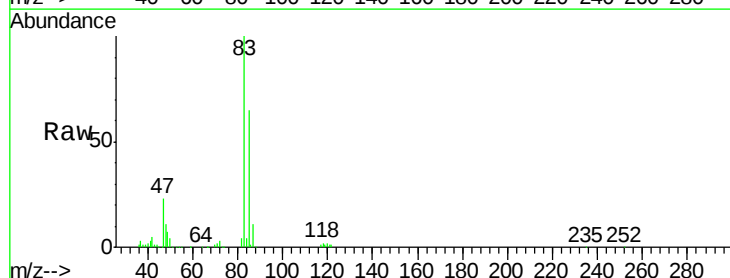
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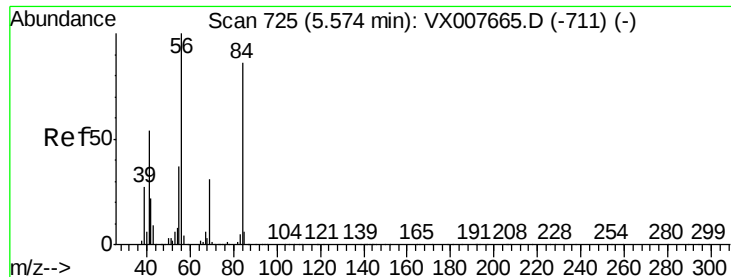
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#30
Chloroform
Concen: 44.135 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4





#31

Cyclohexane

Concen: 45.837 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

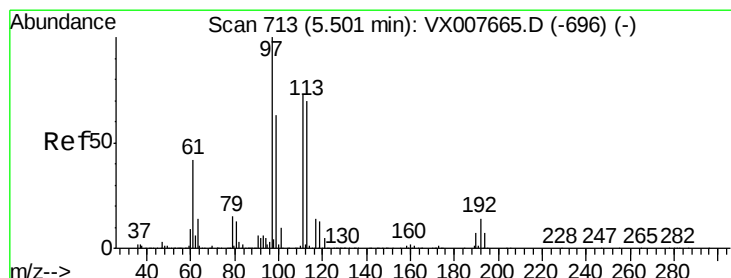
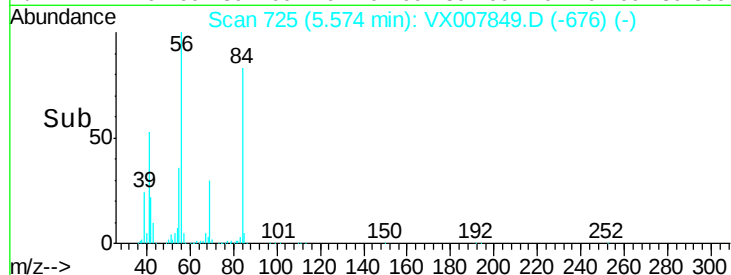
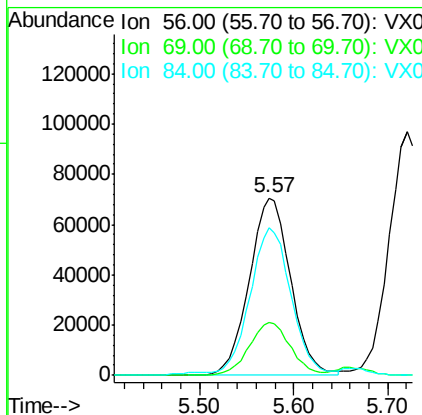
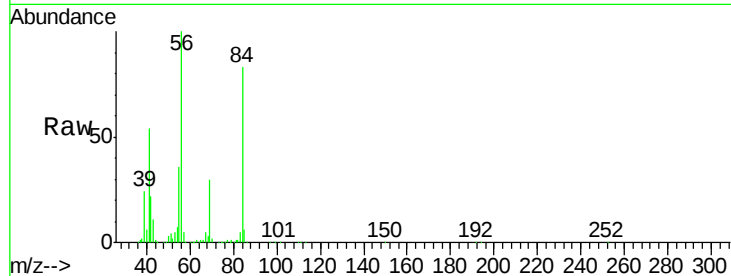
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	216624
Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.0	34.6
84	81.9	69.8	104.6

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#32

1,1,1-Trichloroethane

Concen: 45.969 ug/l

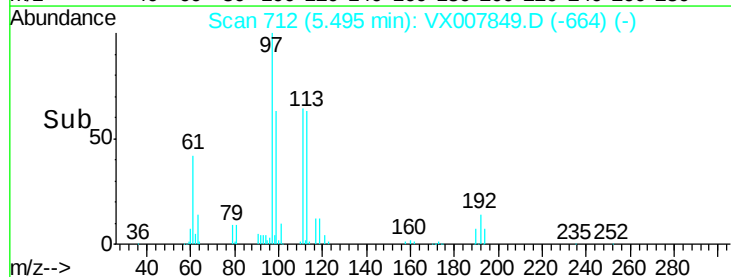
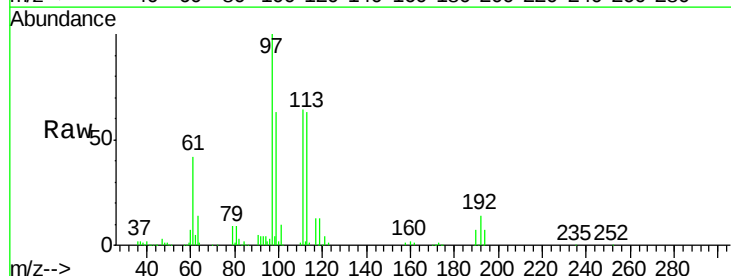
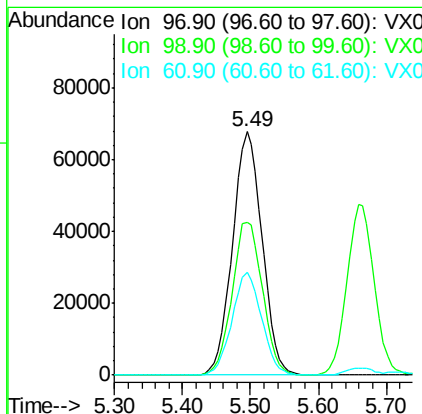
RT: 5.49 min Scan# 712

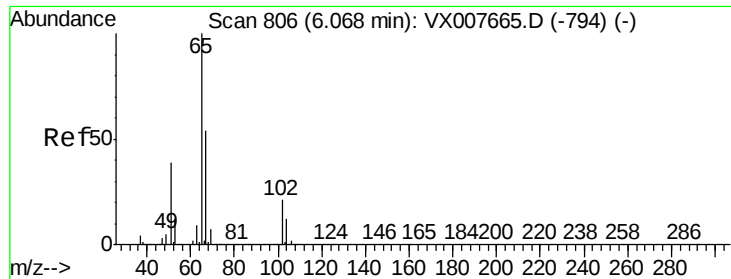
Delta R.T. -0.01 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tgt Ion:	97	Resp:	204602
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.2	78.2
61	42.3	32.7	49.1





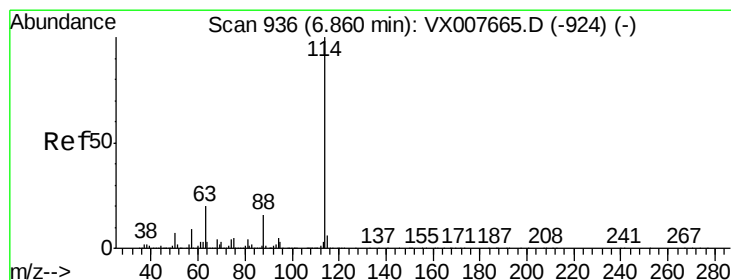
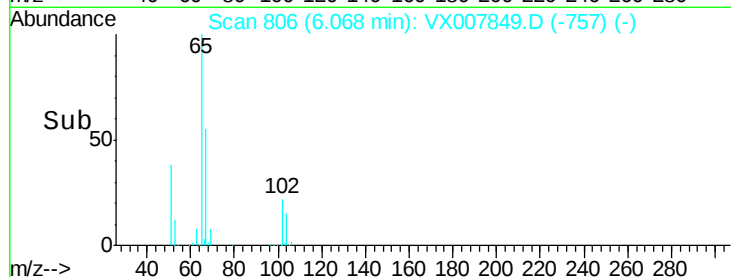
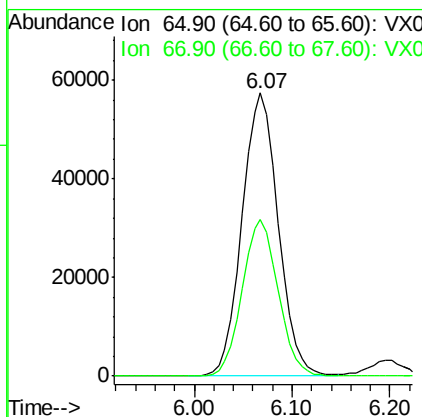
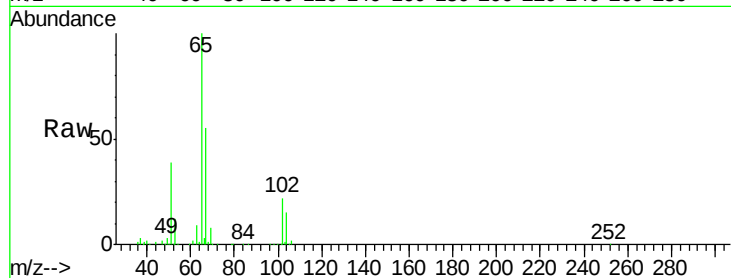
#33
 1,2-Dichloroethane-d4
 Concen: 43.484 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	108.8

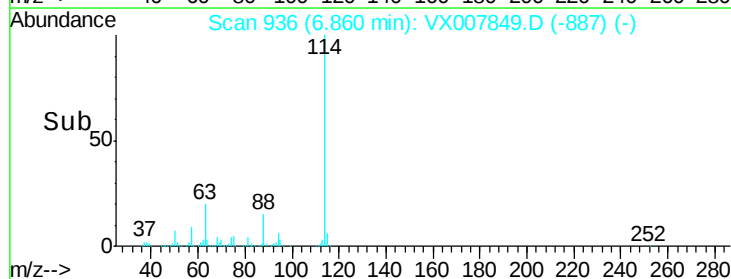
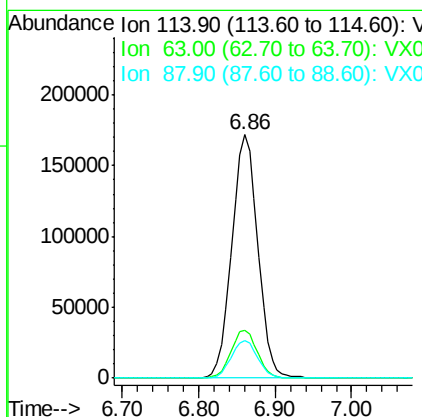
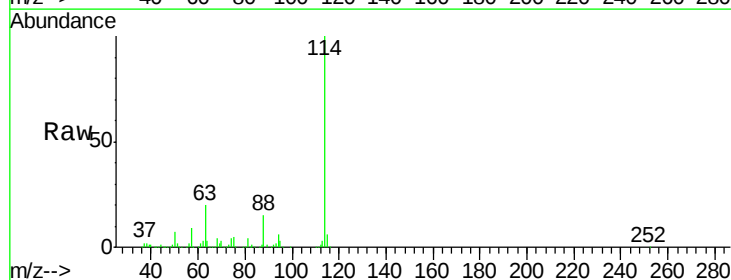
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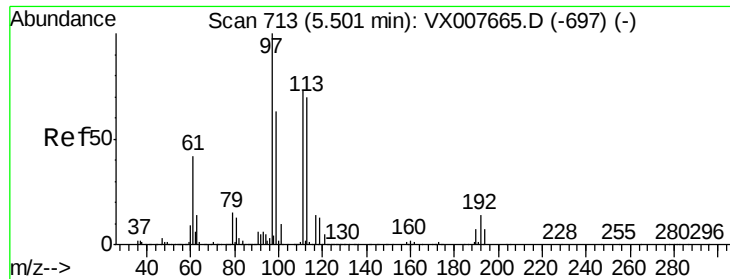
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	35.6
88	15.5	0.0	29.6





#35

Dibromofluoromethane

Concen: 49.230 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

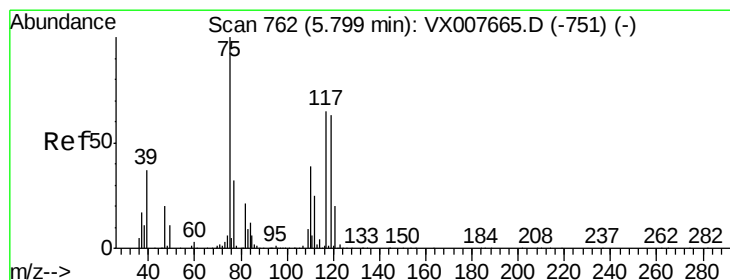
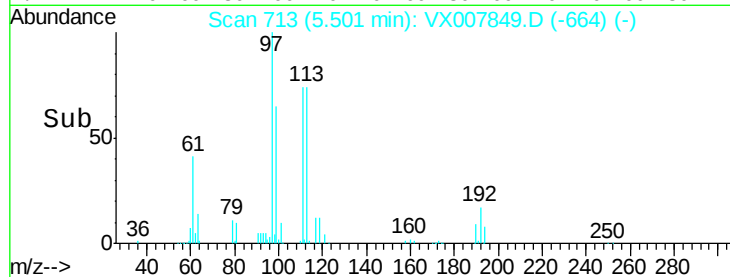
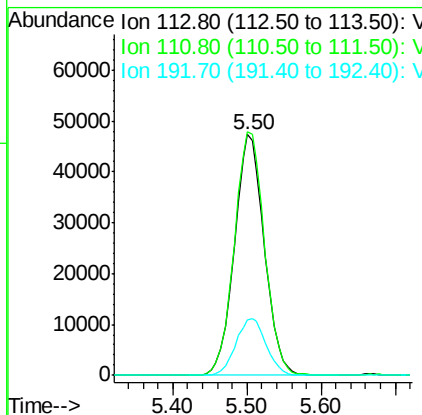
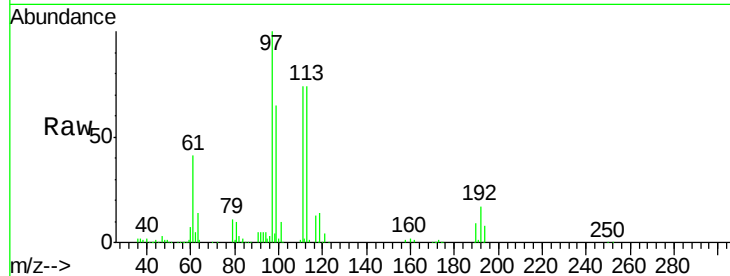
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	132704
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.8	122.8
192	24.1	18.5	27.7

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#36

1,1-Dichloropropene

Concen: 48.335 ug/l

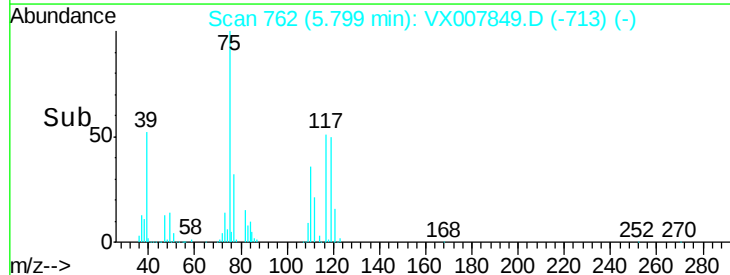
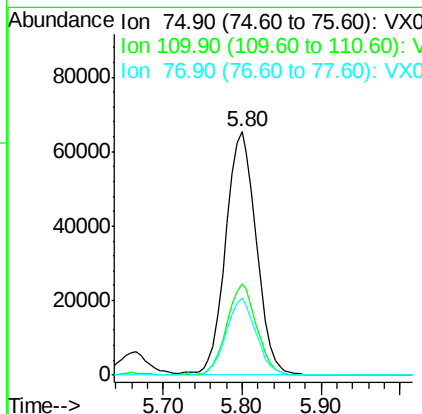
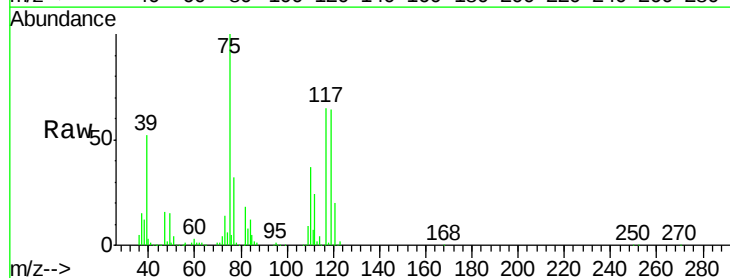
RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tgt Ion:	75	Resp:	175233
Ion Ratio	Lower	Upper	
75	100		
110	36.9	20.0	59.9
77	31.2	24.7	37.1





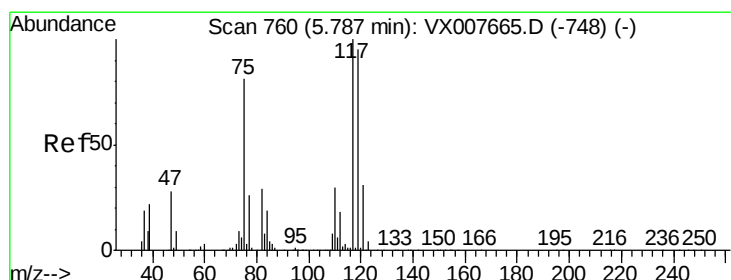
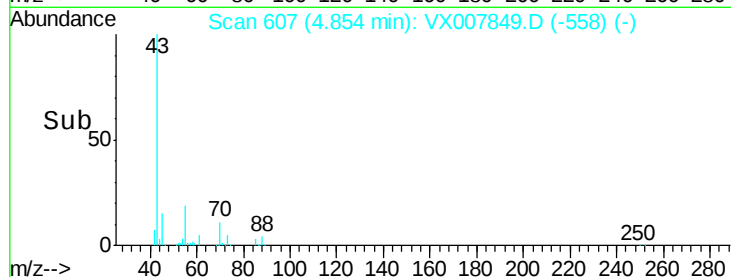
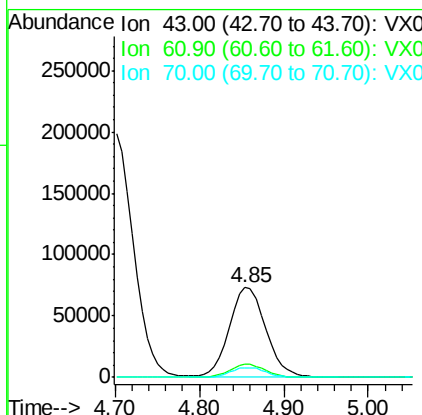
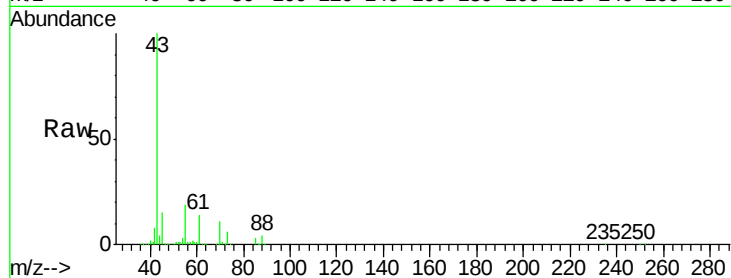
#37
Ethyl Acetate
Concen: 52.974 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	213335
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.3	16.9
70	10.7	8.6	13.0

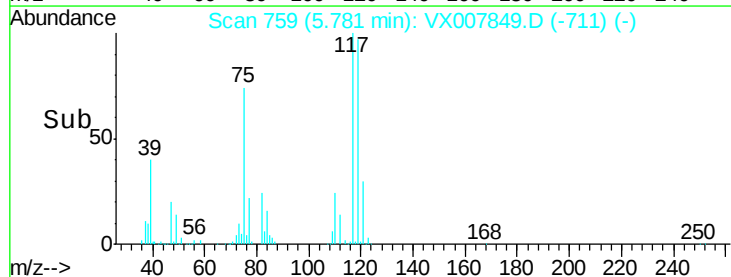
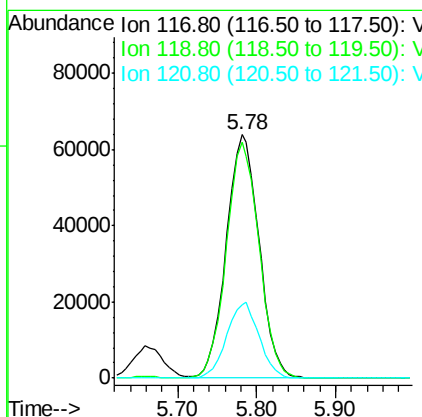
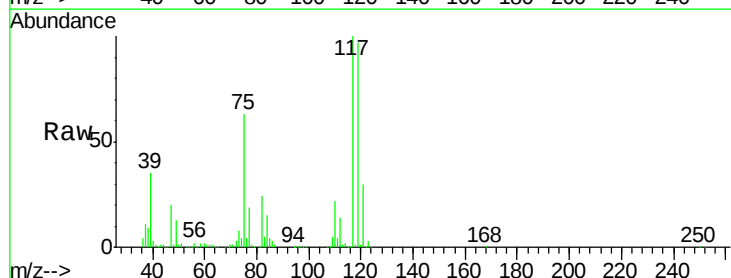
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#38
Carbon Tetrachloride
Concen: 50.734 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion:	117	Resp:	184760
Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.3	112.9
121	30.3	25.0	37.4





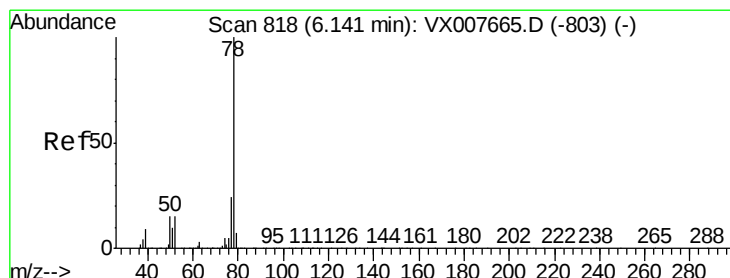
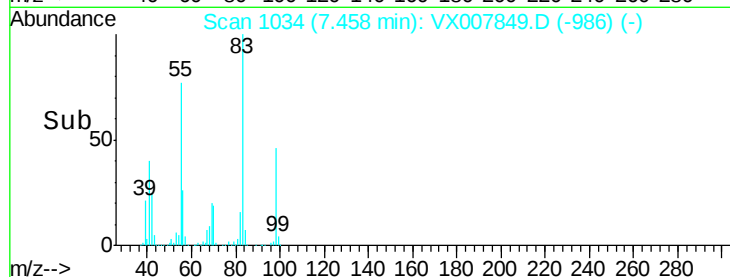
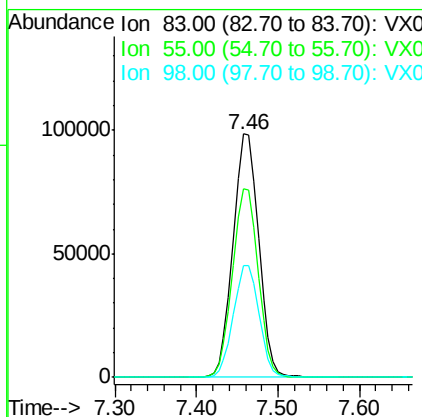
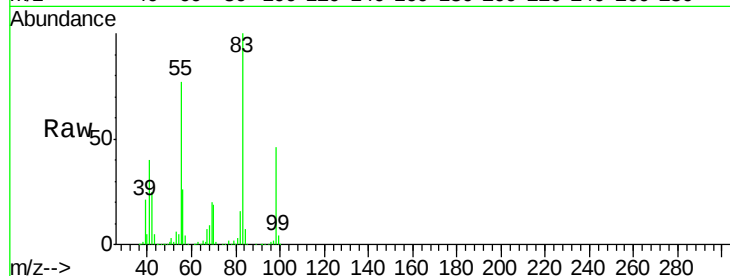
#39
Methvlcvclohexane
Concen: 46.689 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	56.2	84.2
98	45.8	36.8	55.2

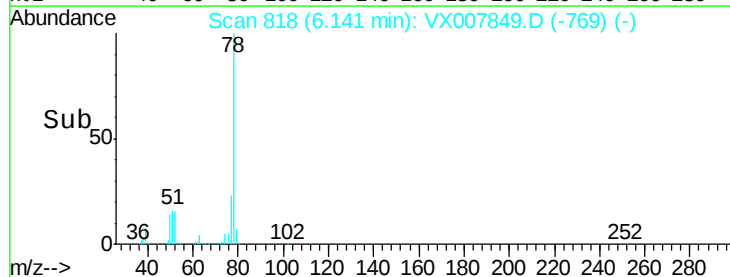
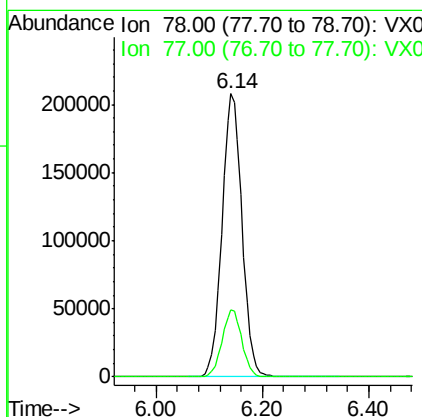
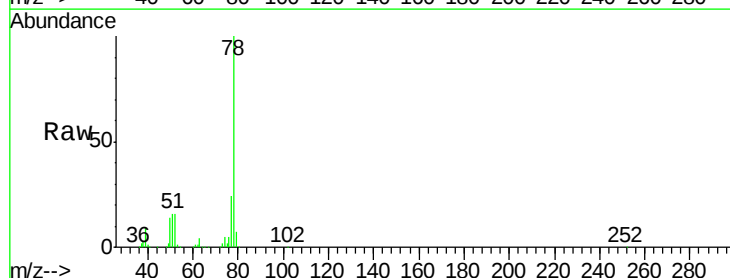
Manual Integrations
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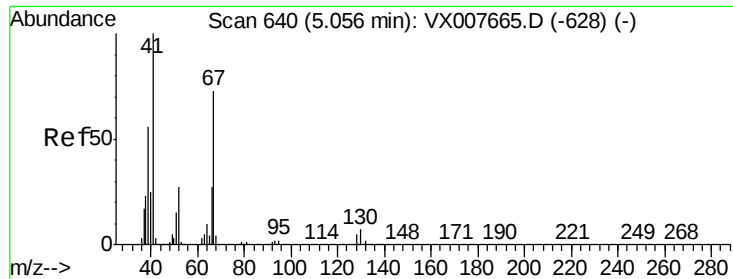
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#40
Benzene
Concen: 48.763 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





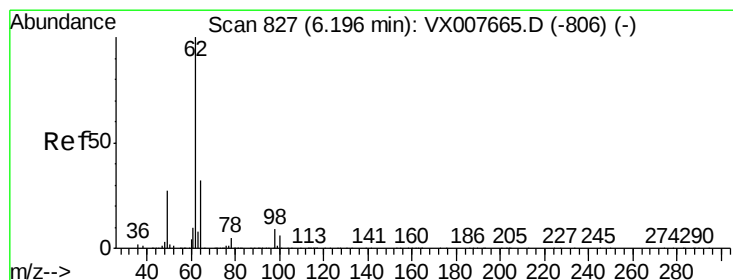
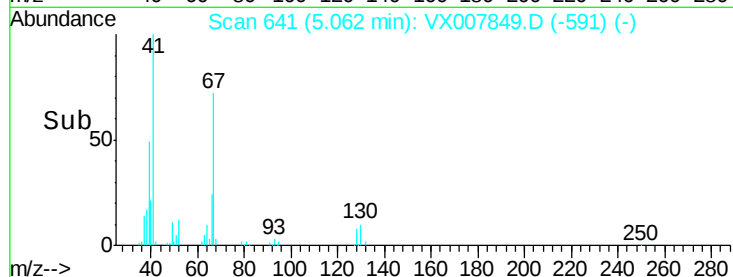
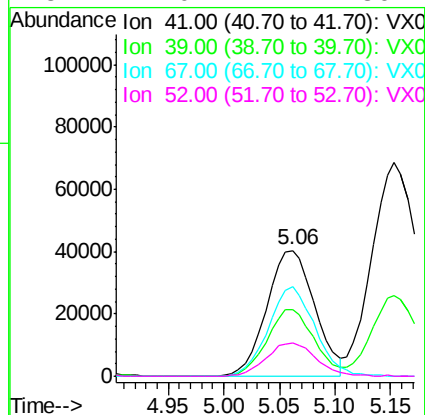
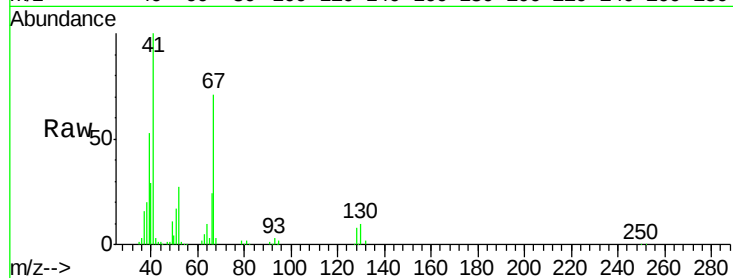
#41
Methacrylonitrile
Concen: 56.395 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		121275		
39	52.7	44.5	66.7		
67	69.5	60.4	90.6		
52	27.0	24.1	36.1		

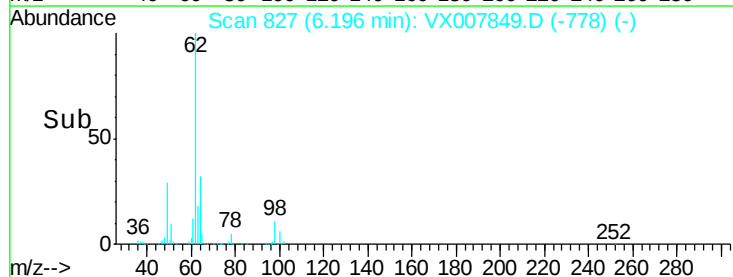
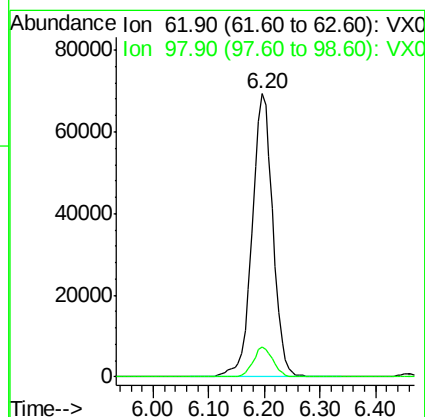
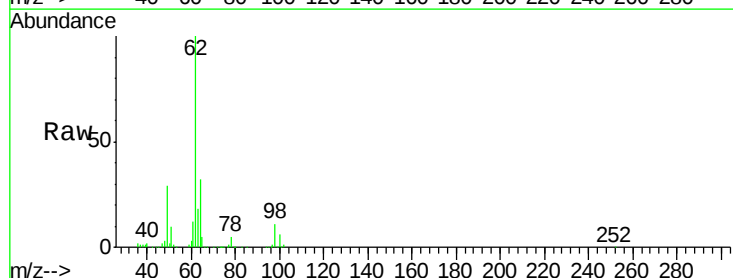
Manual Integrations
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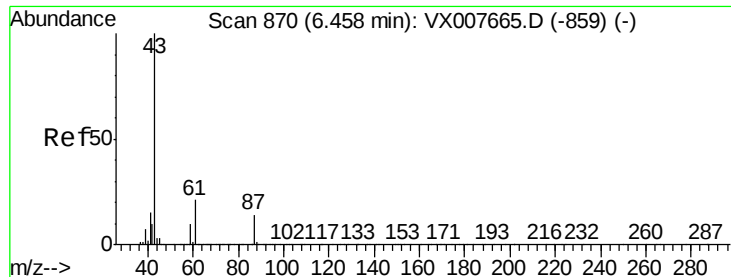
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3/6/2019 9:49:52 AM



#42
1,2-Dichloroethane
Concen: 47.956 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		180384		
98	10.1	0.0	19.0		





#43

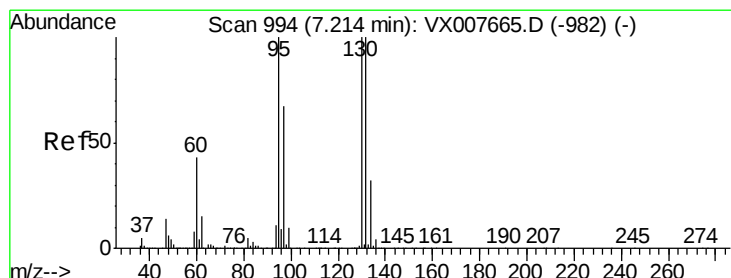
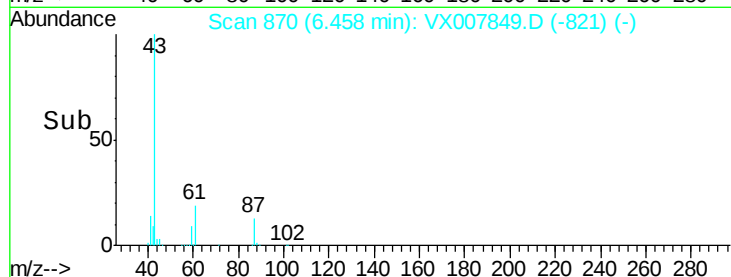
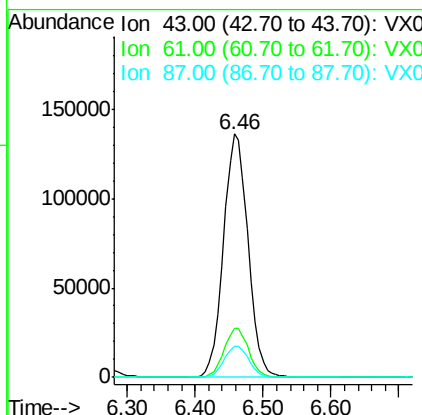
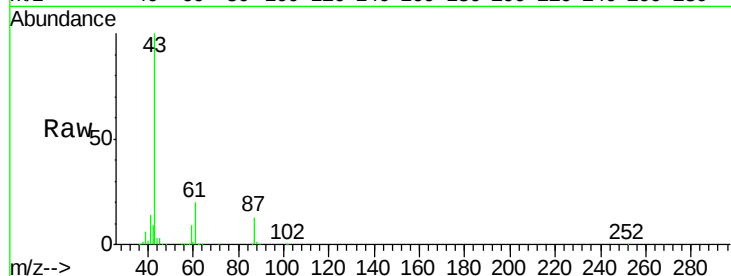
Isopropyl Acetate
 Concen: 54.763 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	13.1	11.5	17.3

Manual Integrations
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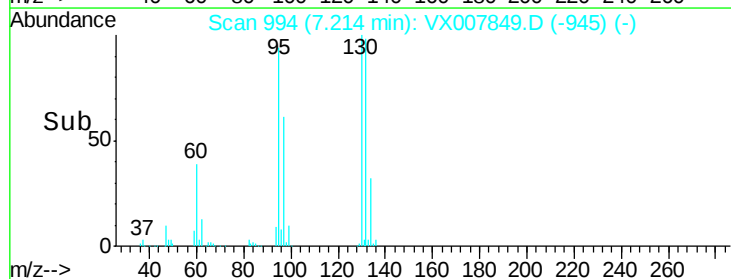
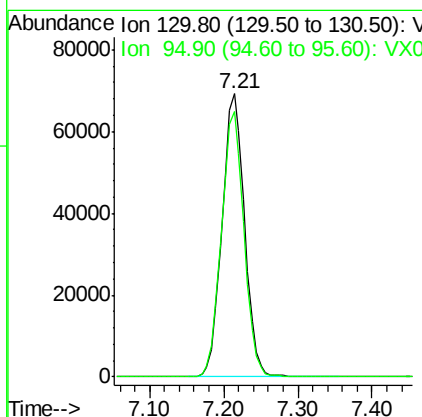
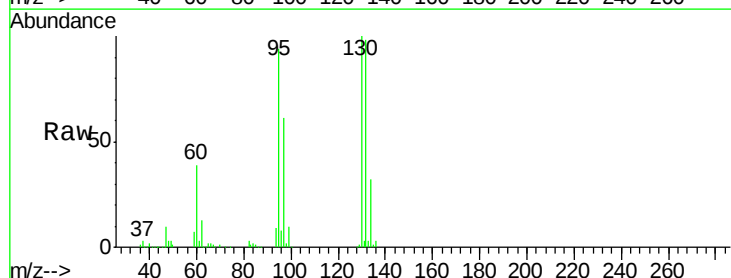
MMDadoda
 3/6/2019 9:49:52 AM

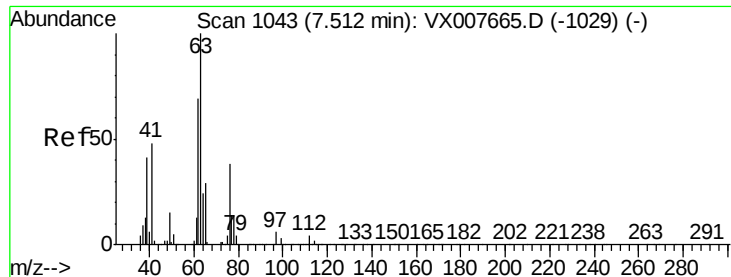


#44

Trichloroethene
 Concen: 47.381 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	180.0





#45

1,2-Dichloropropane

Concen: 51.270 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 148629

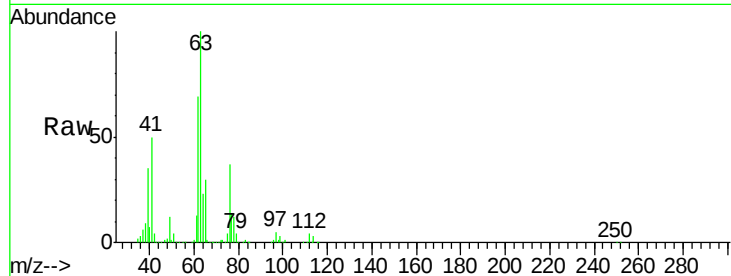
Ion Ratio Lower Upper

63 100

65 30.2 24.2 36.2

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3/6/2019 9:49:52 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

80000

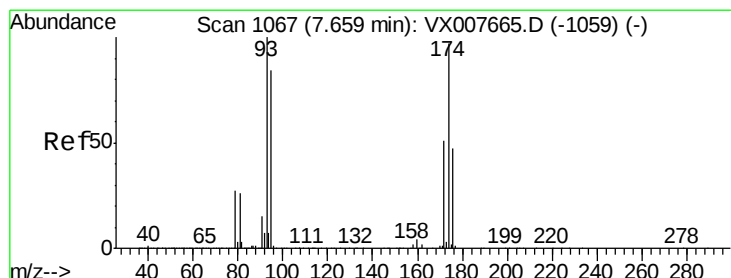
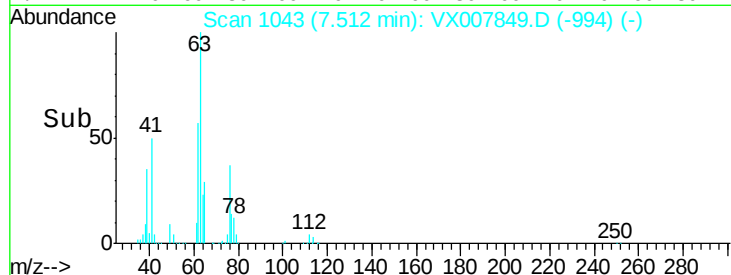
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 45.693 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

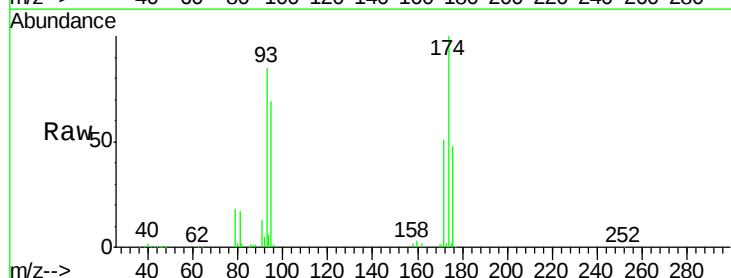
Tgt Ion: 93 Resp: 92411

Ion Ratio Lower Upper

93 100

95 83.1 67.6 101.4

174 122.8 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

80000

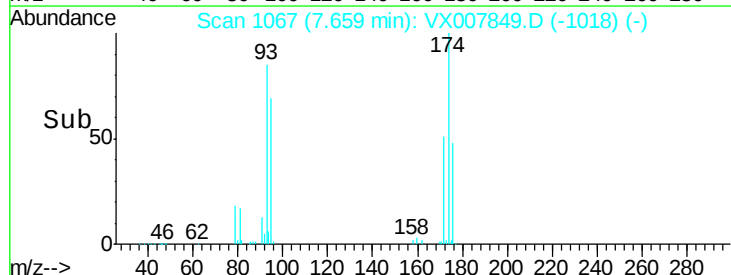
60000

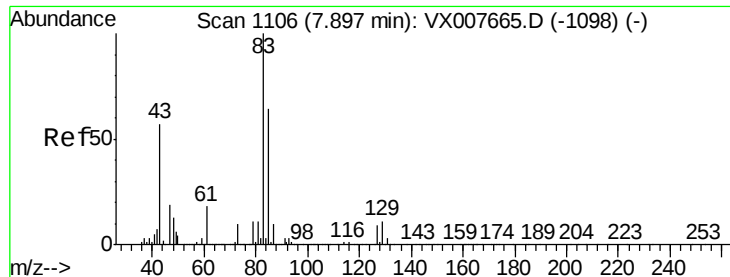
40000

20000

0

Time--> 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 53.850 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

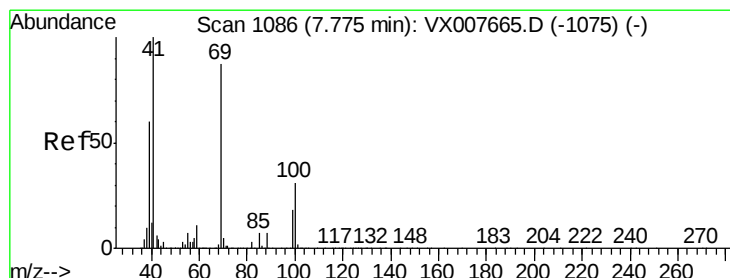
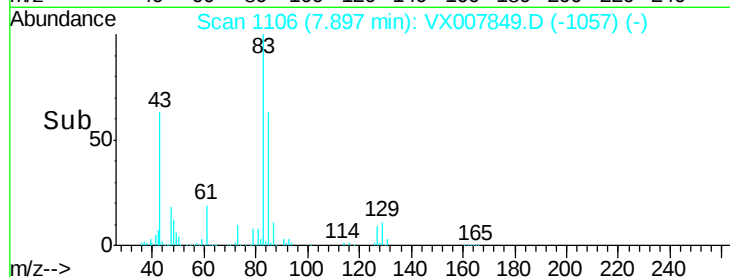
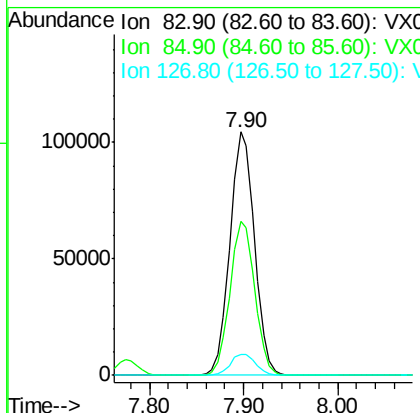
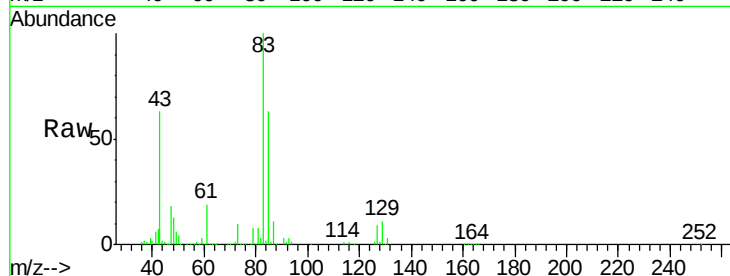
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	188734
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.4	77.0
127	8.6	8.1	12.1

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 53.249 ug/l

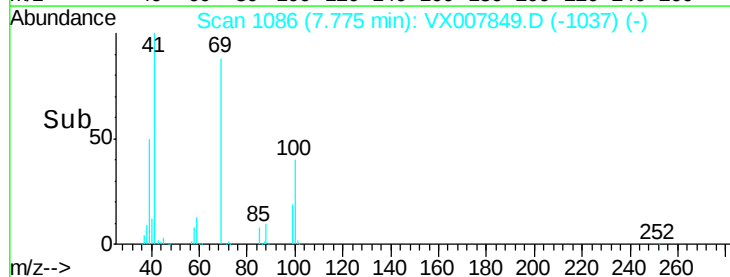
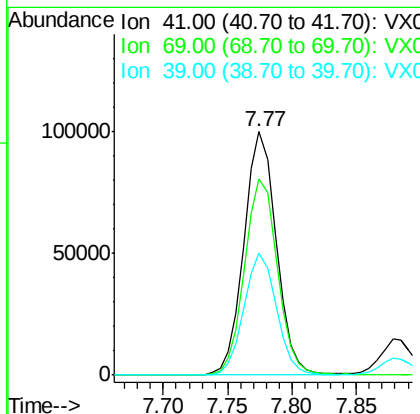
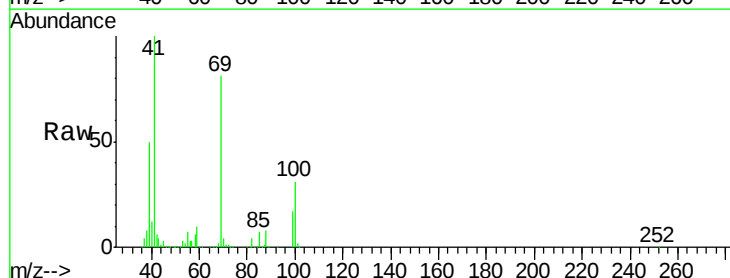
RT: 7.77 min Scan# 1086

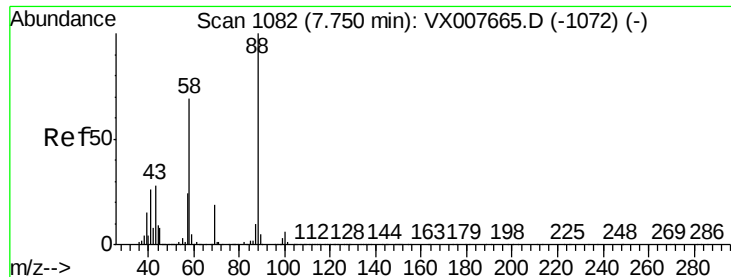
Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tgt Ion:	41	Resp:	173001
Ion Ratio	Lower	Upper	
41	100		
69	82.1	70.2	105.4
39	50.3	47.4	71.0





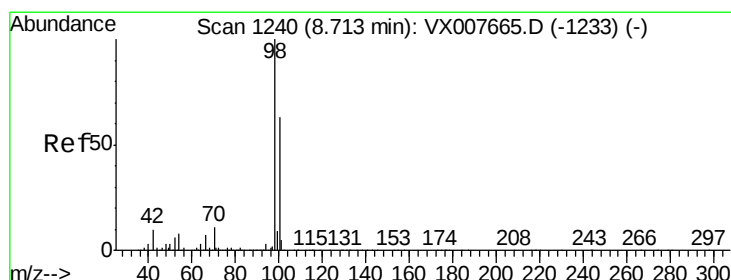
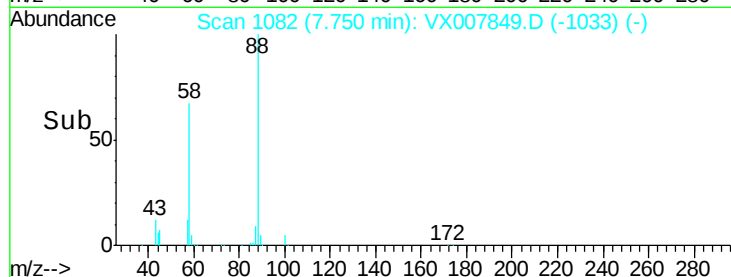
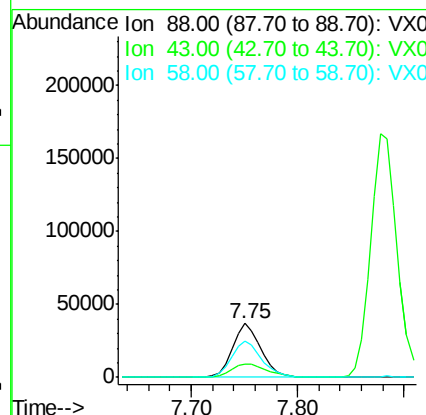
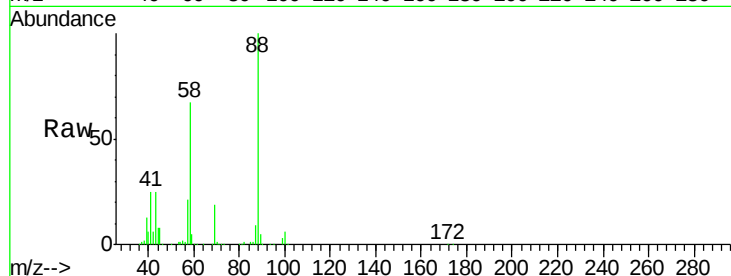
#49
1,4-Dioxane
Concen: 979.935 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	24.2	36.4
58	71.2	53.0	79.4

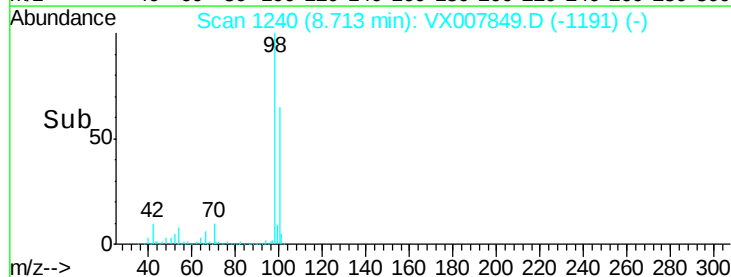
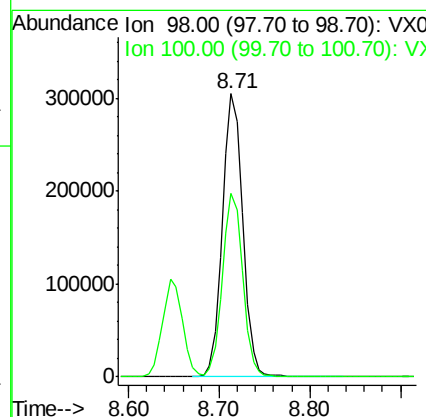
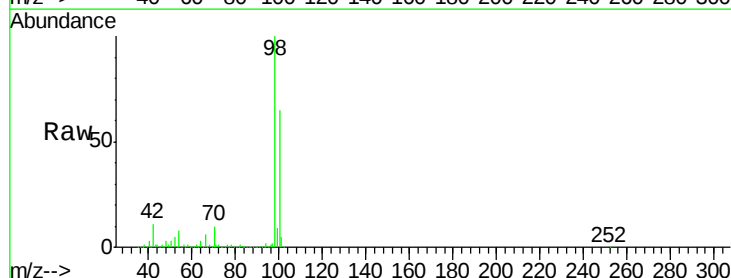
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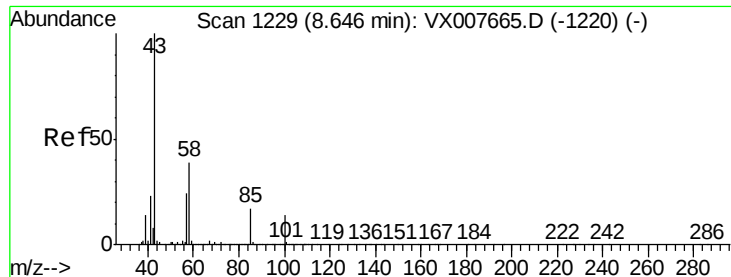
MMDadoda
3/6/2019 9:49:52 AM



#50
Toluene-d8
Concen: 46.553 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.6	77.4





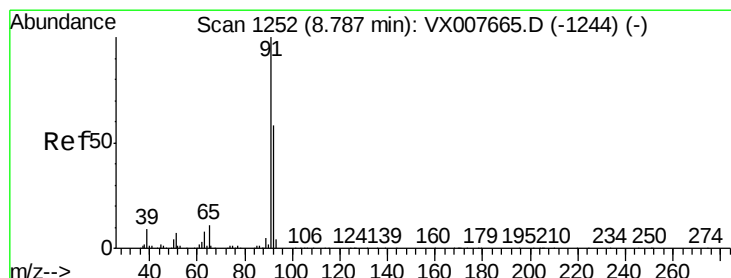
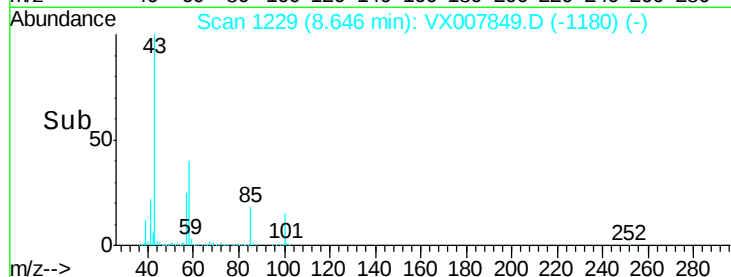
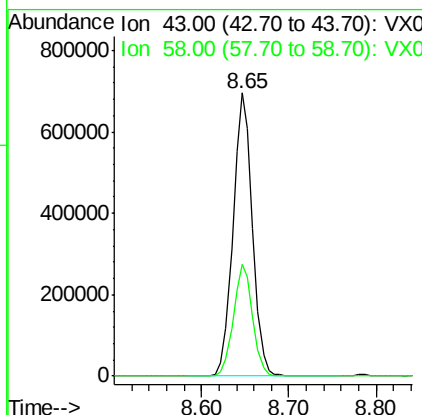
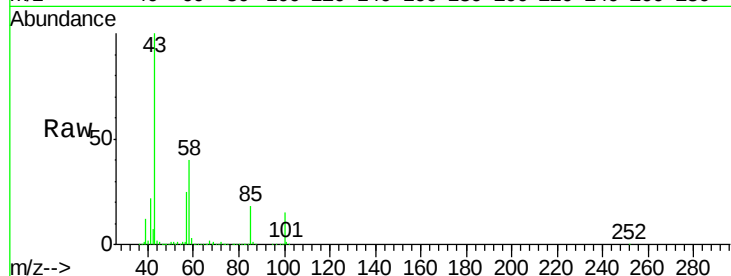
#51
4-Methyl-2-Pentanone
Concen: 258.214 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1071288
Ion Ratio Lower Upper
43 100
58 39.1 31.2 46.8

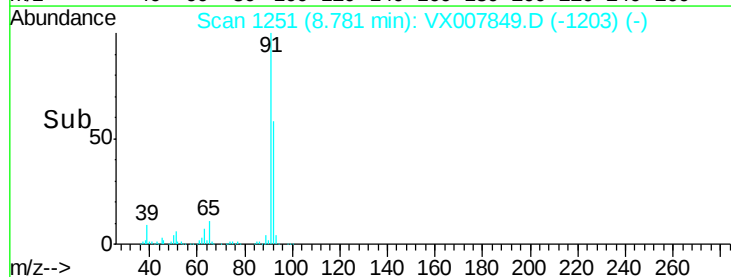
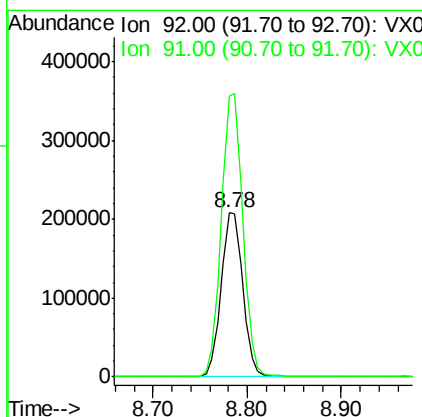
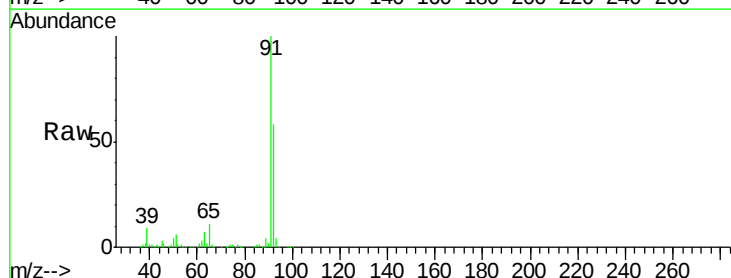
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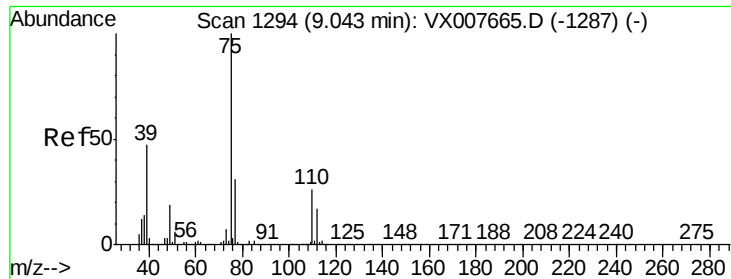
MMDadoda
3/6/2019 9:49:52 AM



#52
Toluene
Concen: 47.174 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion: 92 Resp: 332907
Ion Ratio Lower Upper
92 100
91 172.0 139.1 208.7





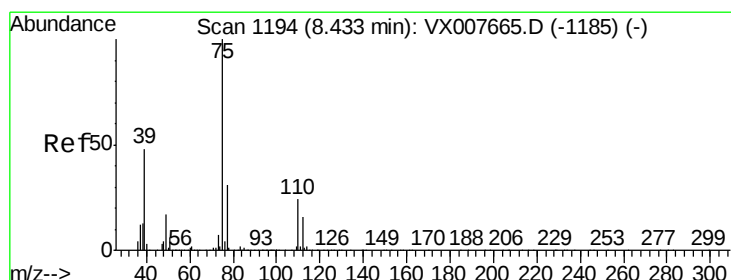
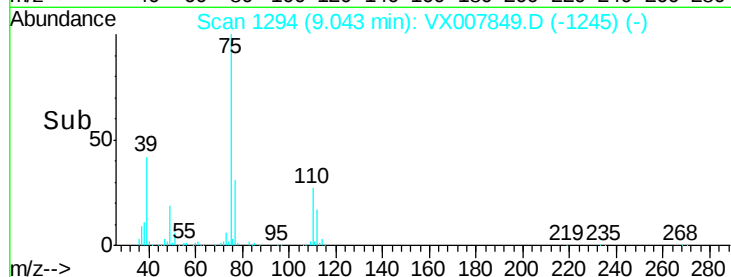
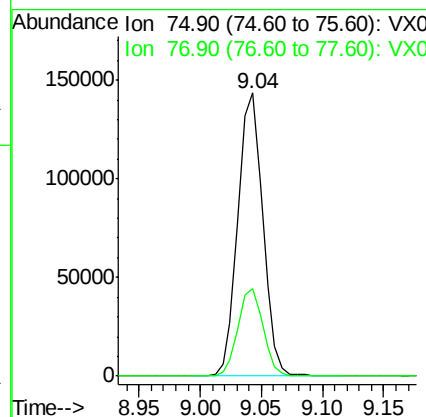
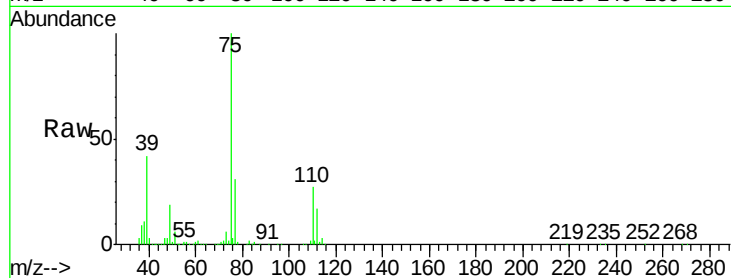
#53
t-1,3-Dichloropropene
Concen: 46.602 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.2	37.8

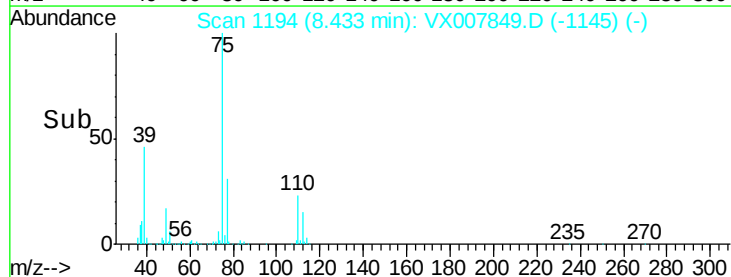
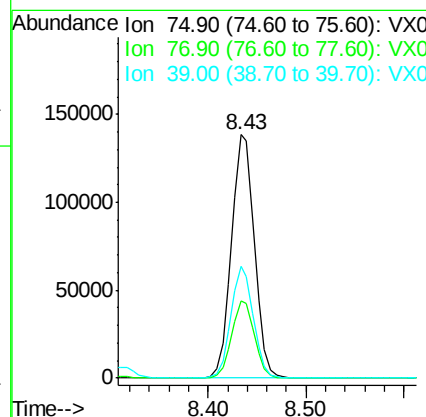
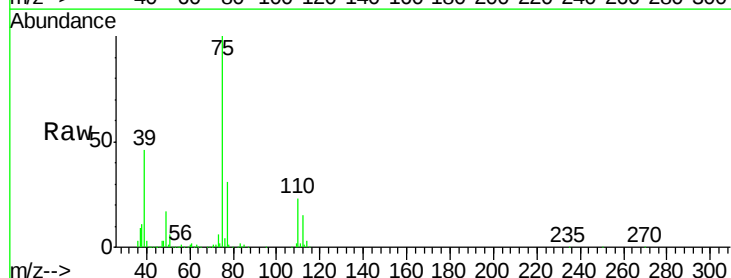
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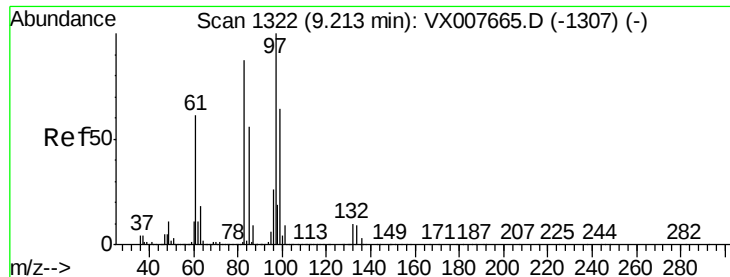
MMDadoda
3/6/2019 9:49:52 AM



#54
cis-1,3-Dichloropropene
Concen: 52.934 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.2	39.4
39	45.9	37.1	55.7





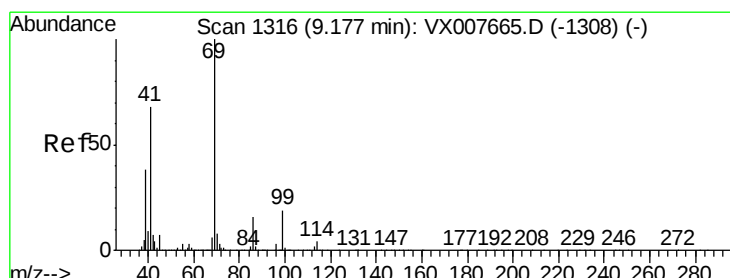
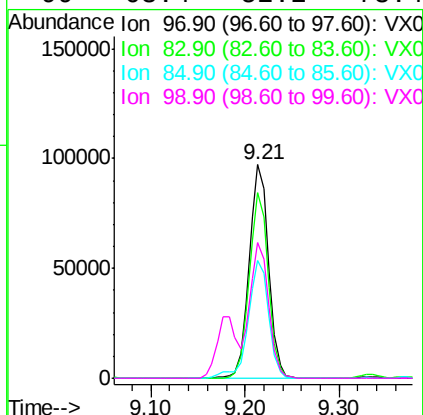
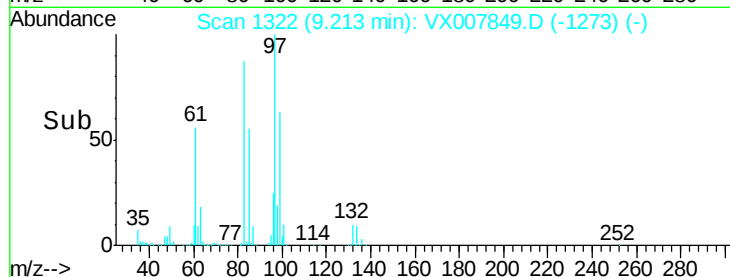
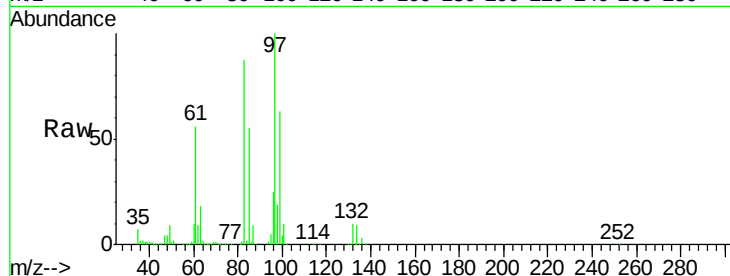
#55
 1,1,2-Trichloroethane
 Concen: 47.674 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	140296
Ion	Ratio	Lower	Upper
97	100		
83	87.1	68.6	102.8
85	55.4	44.5	66.7
99	63.4	52.2	78.4

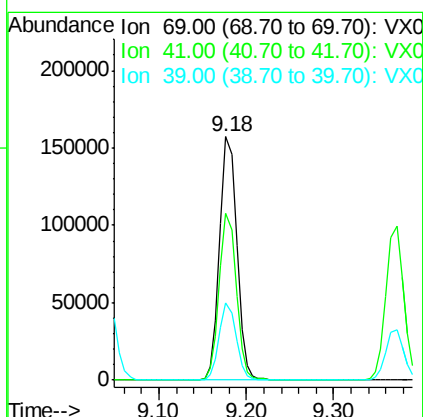
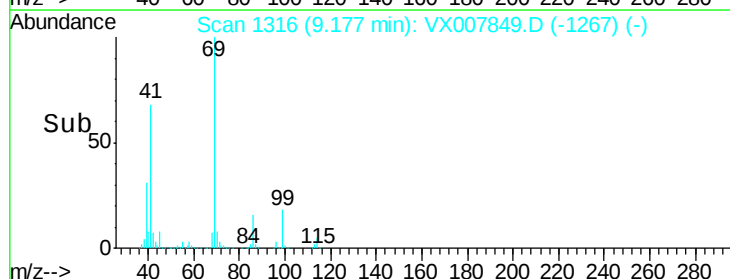
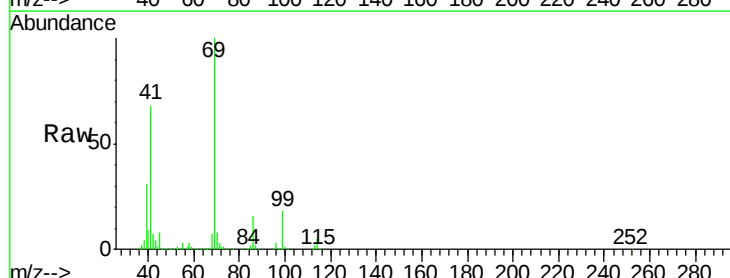
Manual Integrations
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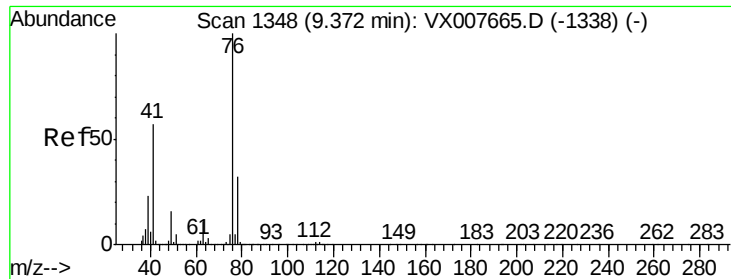
MMDadoda
 3/6/2019 9:49:52 AM



#56
 Ethyl methacrylate
 Concen: 51.723 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Tgt Ion:	69	Resp:	216456
Ion	Ratio	Lower	Upper
69	100		
41	67.7	52.1	78.1
39	31.2	30.1	45.1





#57

1,3-Dichloropropane

Concen: 49.539 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tot Ion: 76 Resp: 233366

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.8

Instrument :

MSVOA_X

ClientSampleId :

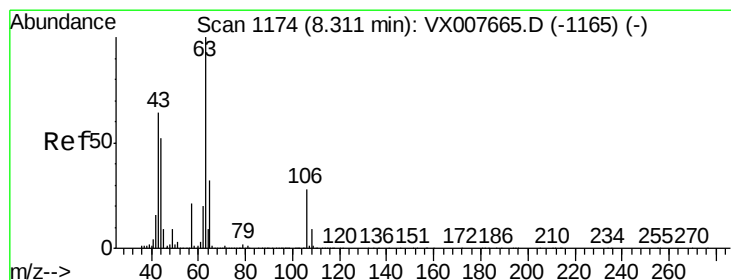
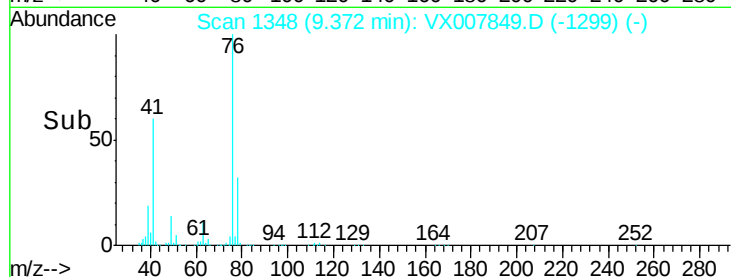
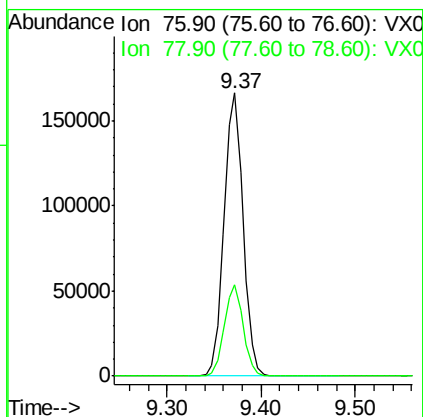
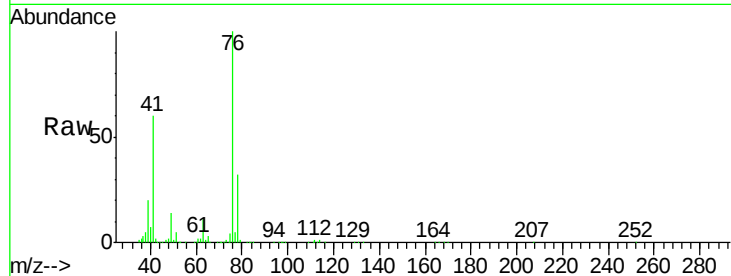
VSTDCCC050EC

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MMDadoda

3/6/2019 9:49:52 AM



#58

2-Chloroethyl Vinyl ether

Concen: 234.839 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007849.D

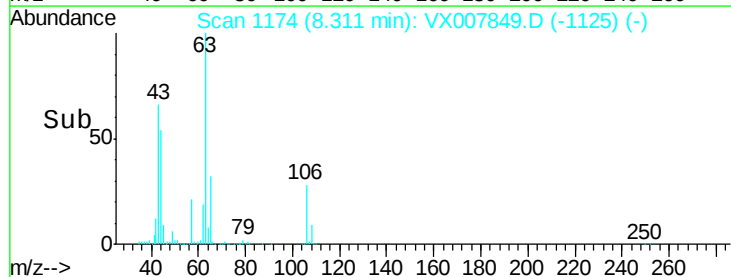
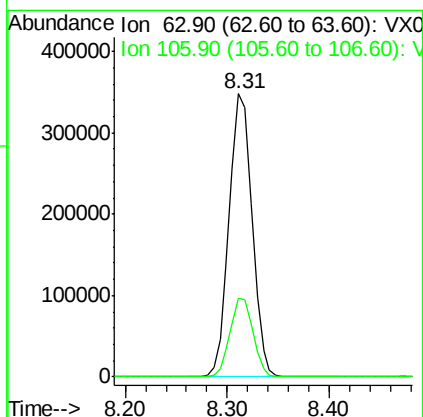
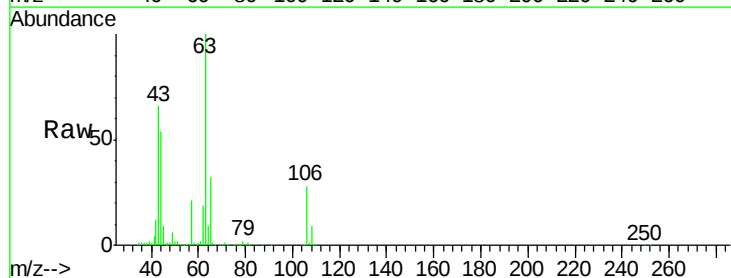
Acq: 05 Mar 2019 20:34

Tgt Ion: 63 Resp: 541952

Ion Ratio Lower Upper

63 100

106 27.8 23.6 35.4





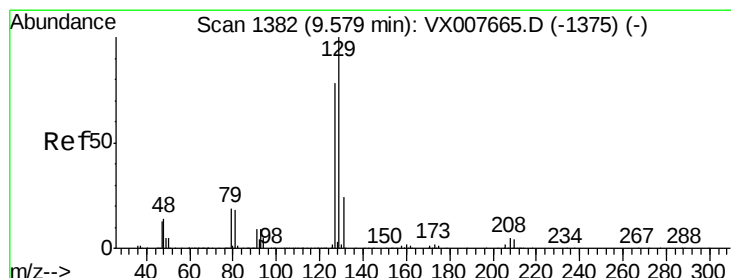
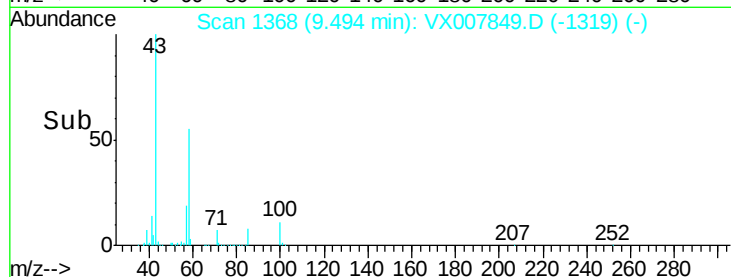
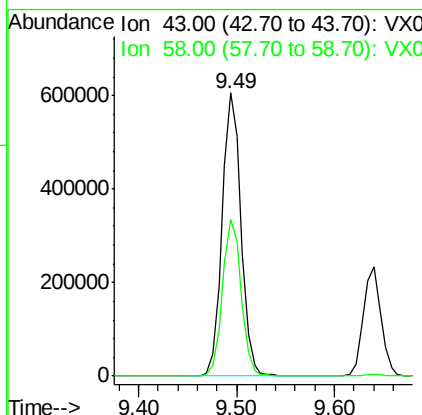
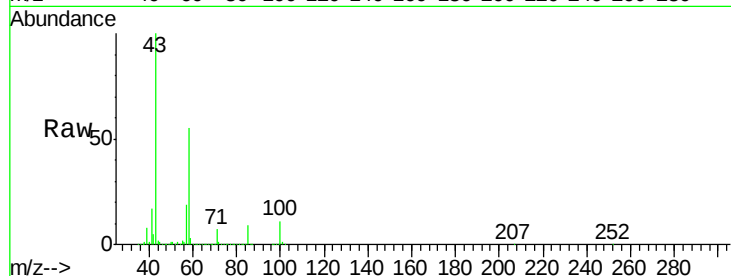
#59
2-Hexanone
Concen: 248.251 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	27.1	81.3

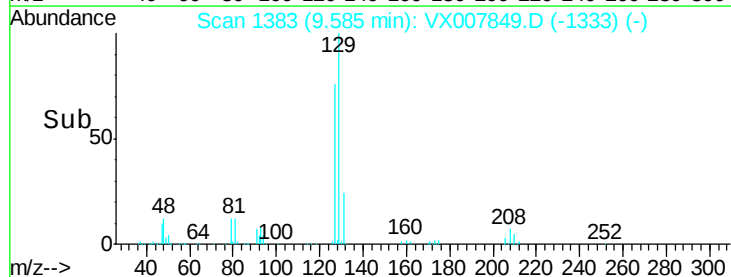
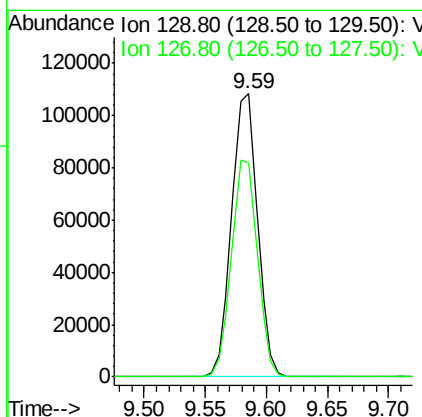
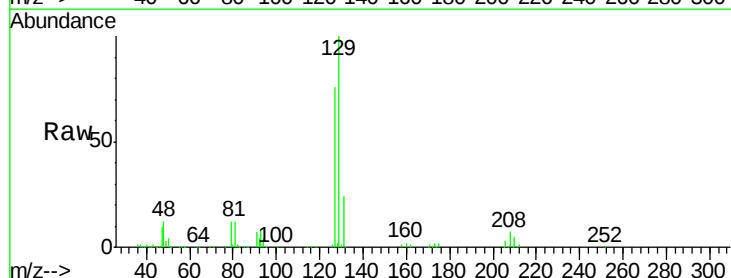
Manual Integrations
APPROVED

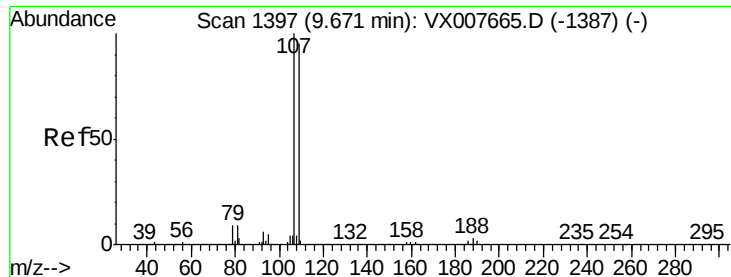
MMDadoda
3/6/2019 9:49:52 AM



#60
Dibromochloromethane
Concen: 56.070 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	37.8	113.4





#61

1,2-Dibromoethane

Concen: 48.070 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 146872

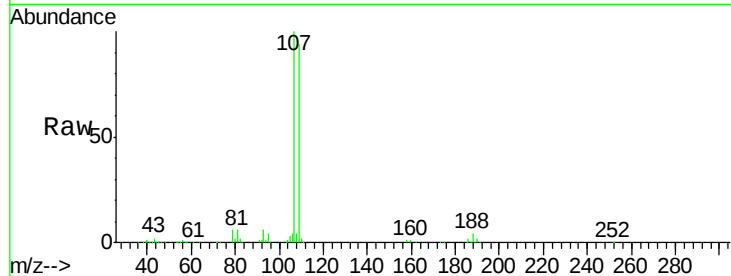
Ion Ratio Lower Upper

107 100

109 94.6 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

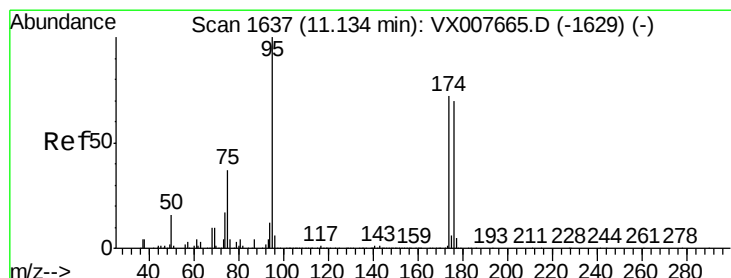
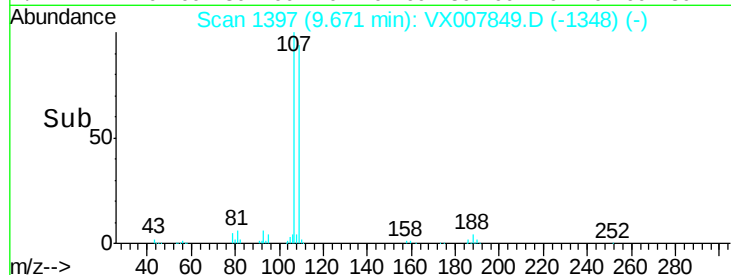
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.138 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

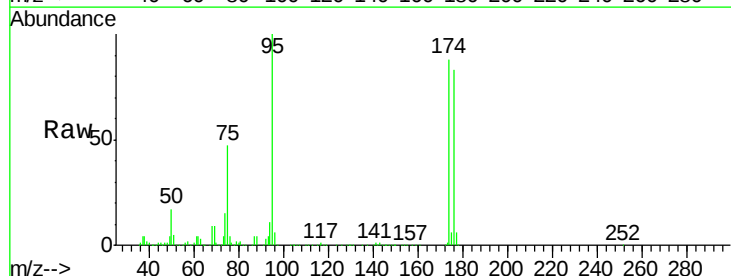
Tgt Ion: 95 Resp: 170971

Ion Ratio Lower Upper

95 100

174 92.3 0.0 189.2

176 89.4 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

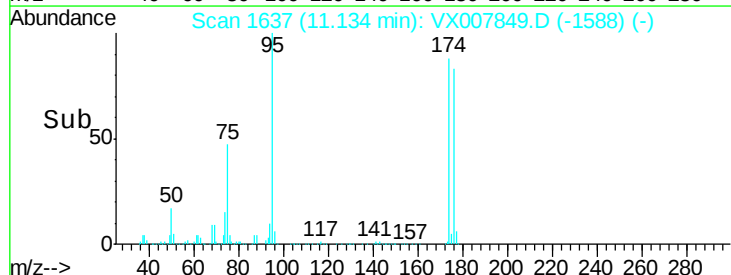
150000

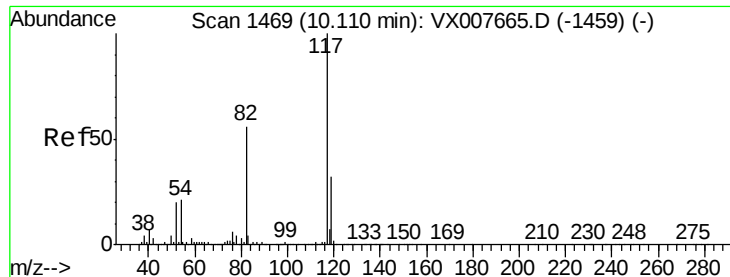
100000

50000

0

Time-->





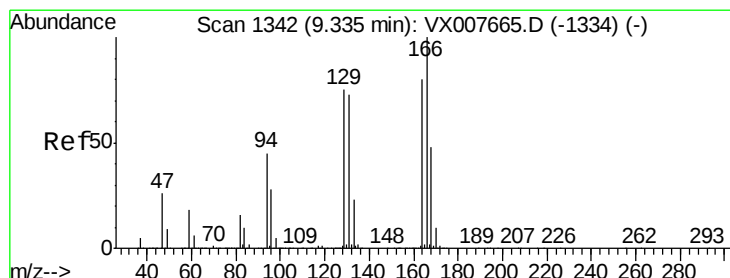
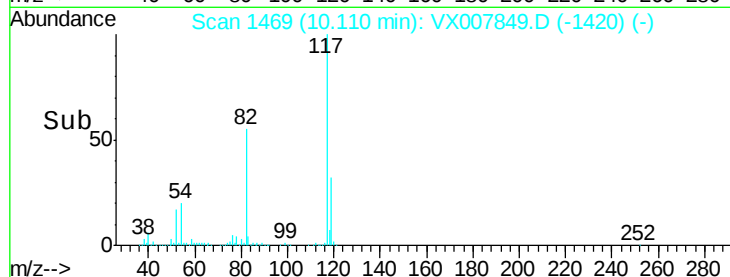
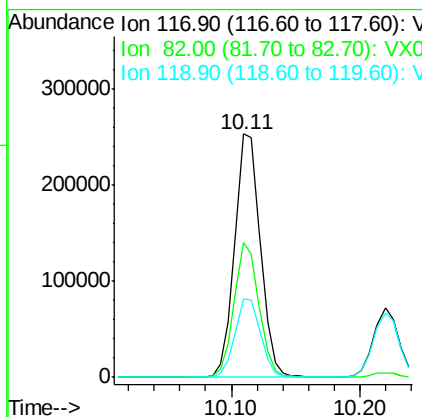
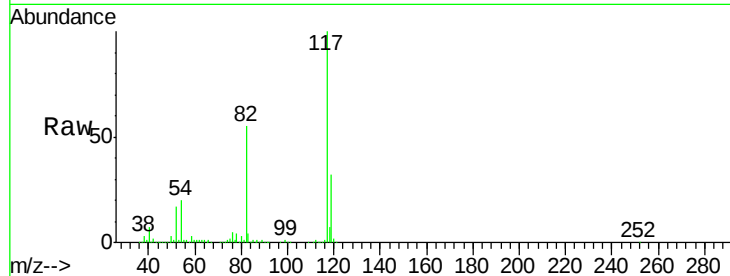
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	353536		
82	55.5	42.1	63.1	
119	32.2	26.5	39.7	

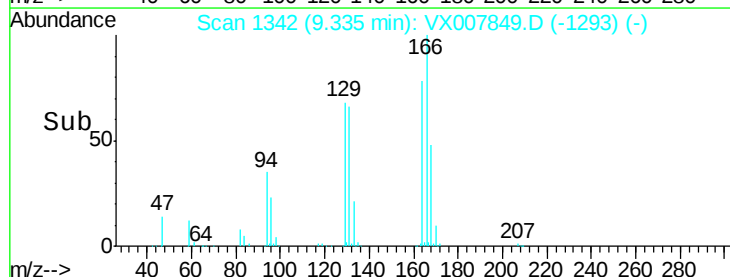
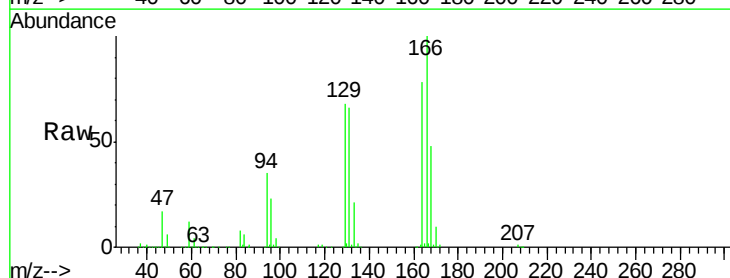
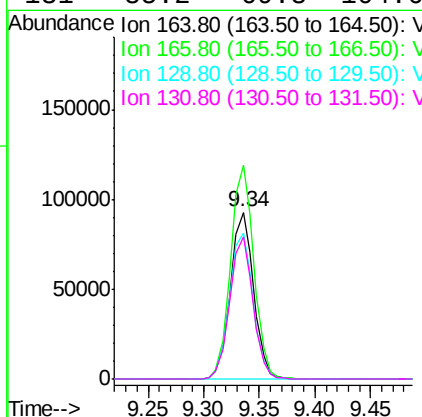
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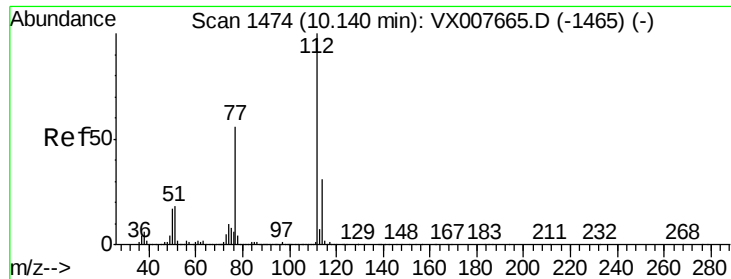
MMDadoda
3/6/2019 9:49:52 AM



#64
Tetrachloroethene
Concen: 46.597 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	133735		
166	128.3	101.0	151.4	
129	87.4	70.5	105.7	
131	85.2	69.8	104.6	





#65

Chlorobenzene

Concen: 48.033 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 367274

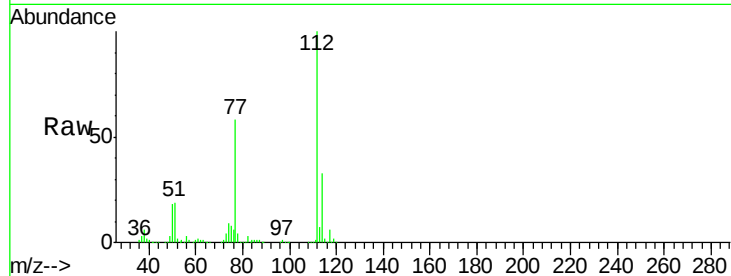
Ion Ratio Lower Upper

112 100

114 32.5 25.8 38.6

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

250000

200000

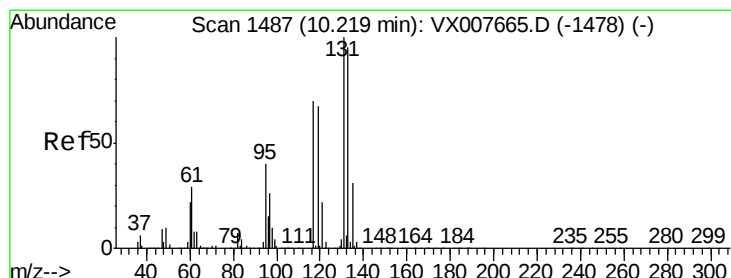
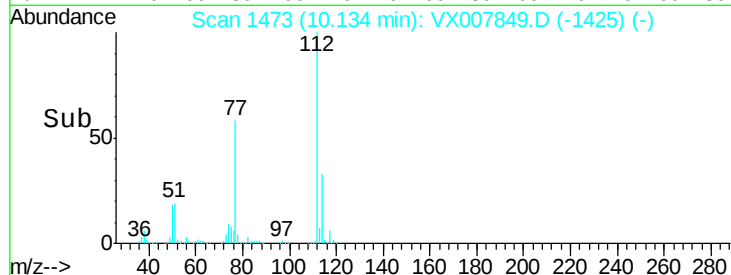
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.584 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

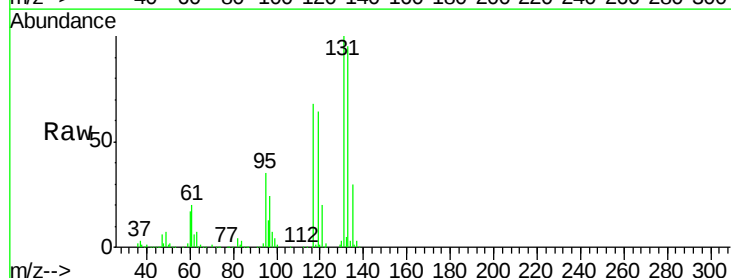
Tgt Ion:131 Resp: 142919

Ion Ratio Lower Upper

131 100

133 94.8 48.0 144.2

119 64.6 32.0 96.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

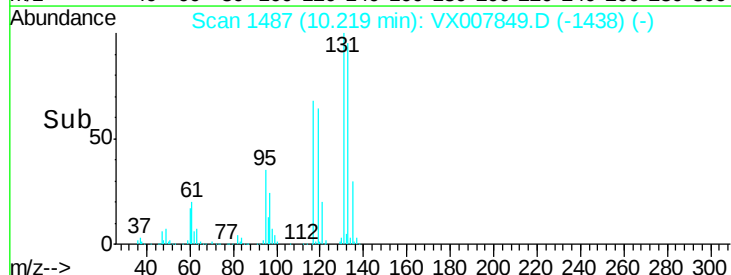
10.22

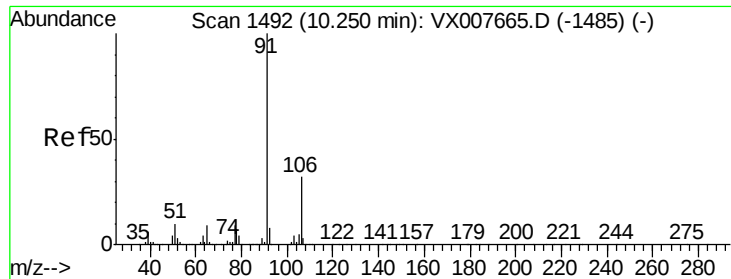
100000

50000

0

Time-->





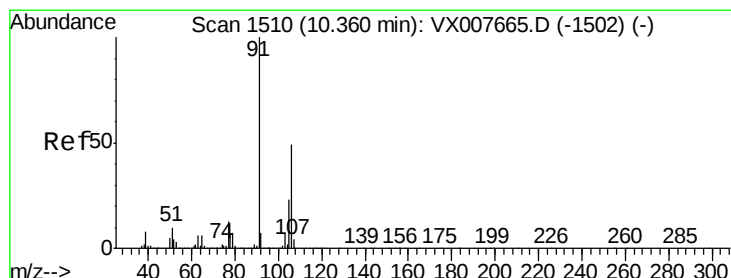
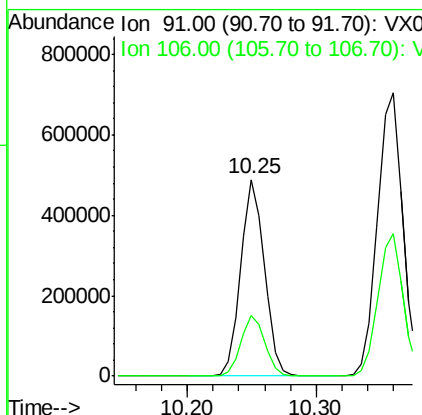
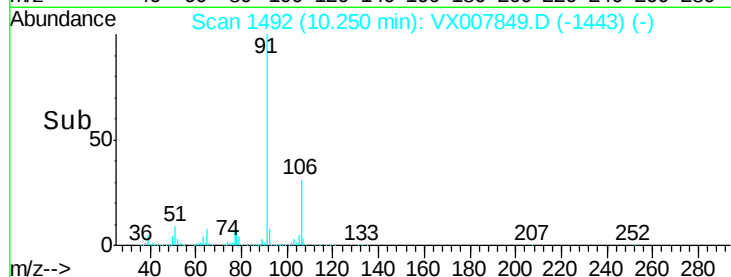
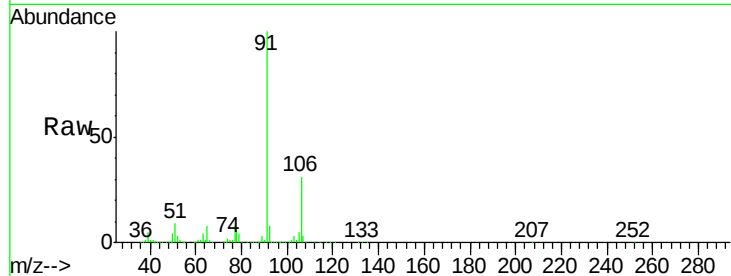
#67
Ethyl Benzene
Concen: 49.216 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 623396
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0

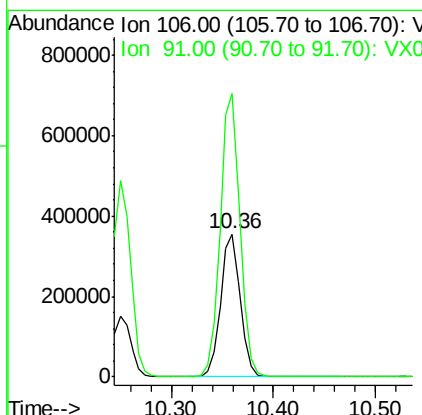
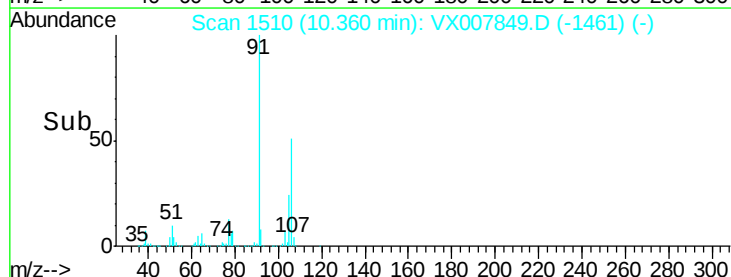
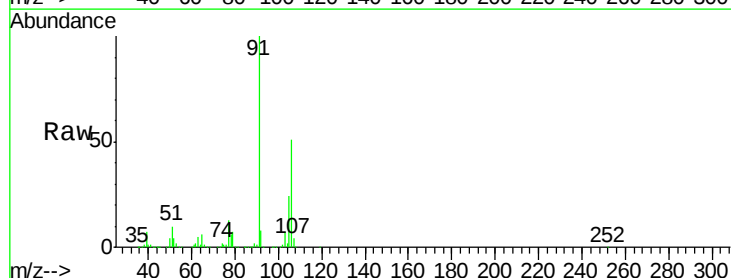
Manual Integrations
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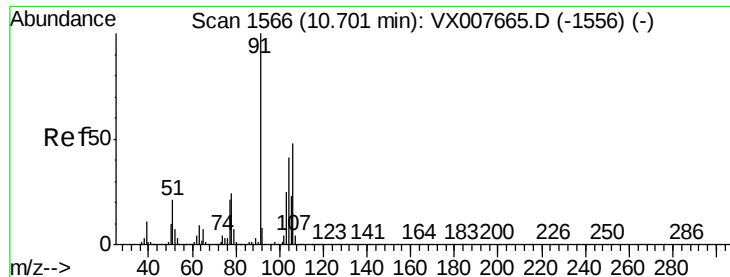
MMDadoda
3/6/2019 9:49:52 AM



#68
m/p-Xylenes
Concen: 96.705 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion: 106 Resp: 476528
Ion Ratio Lower Upper
106 100
91 199.8 156.6 234.8





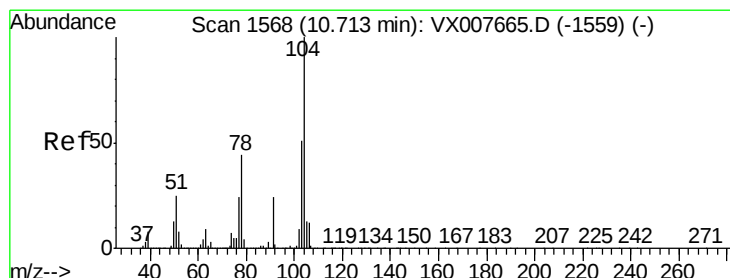
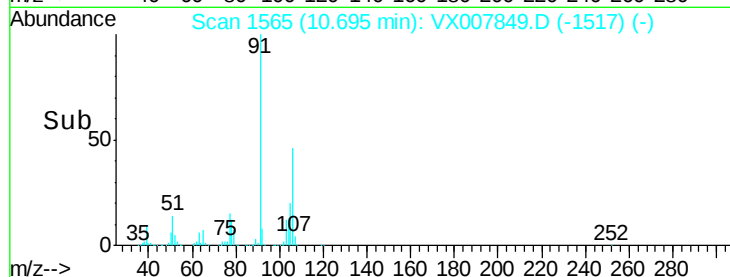
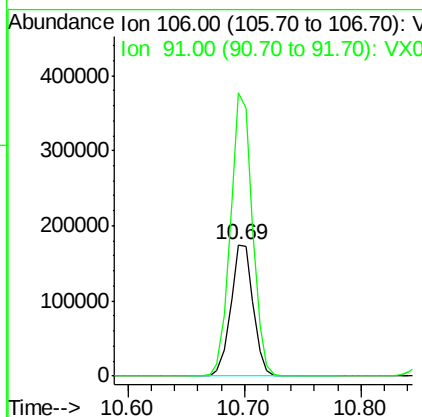
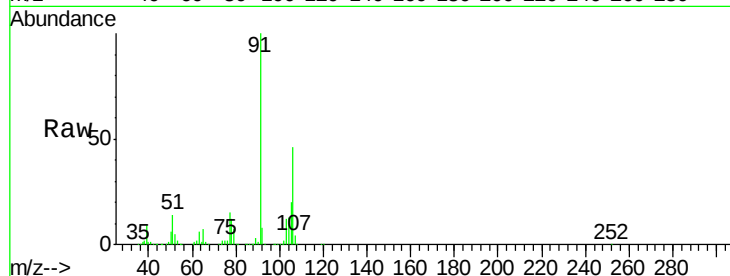
#69
o-Xylene
Concen: 49.150 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.0	102.9	308.7

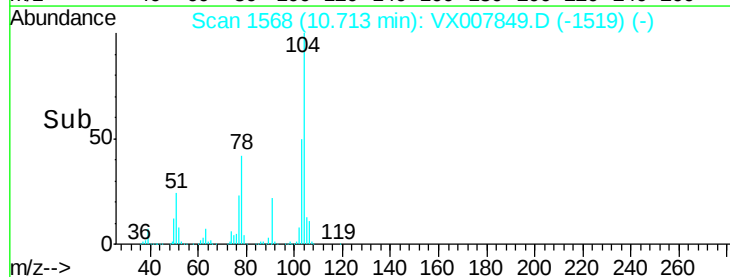
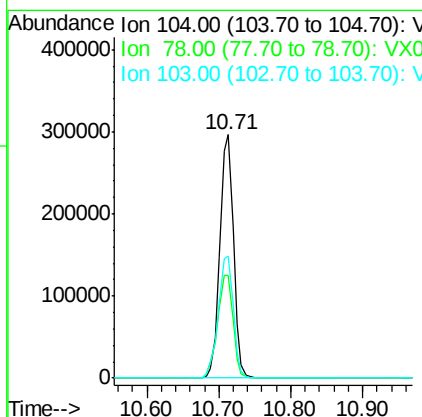
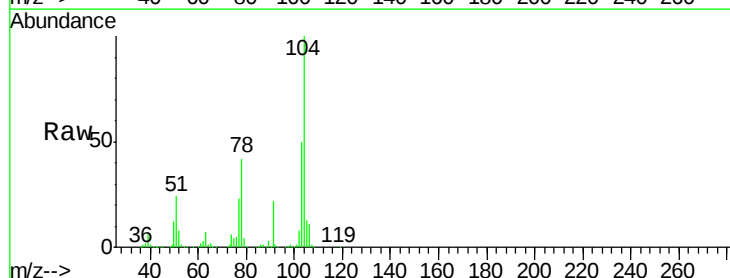
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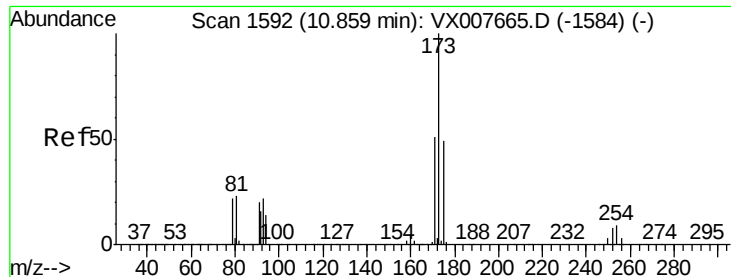
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3/6/2019 9:49:52 AM



#70
Styrene
Concen: 49.660 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.3	57.5
103	55.4	44.6	67.0





#71

Bromoform

Concen: 65.536 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

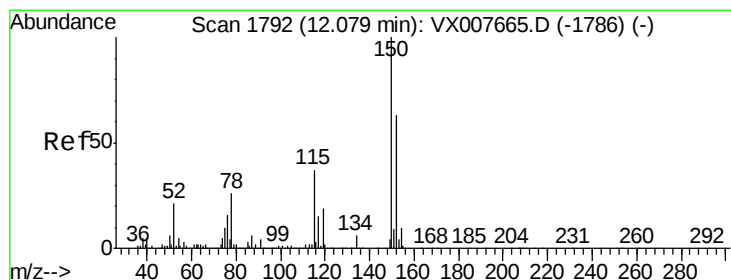
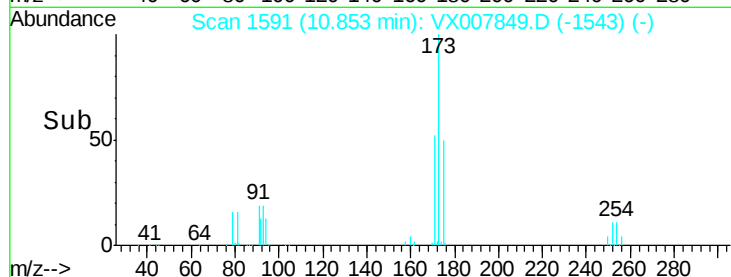
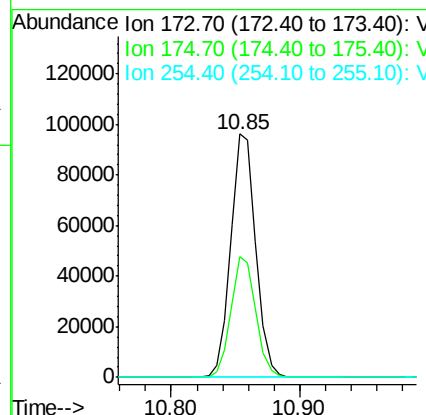
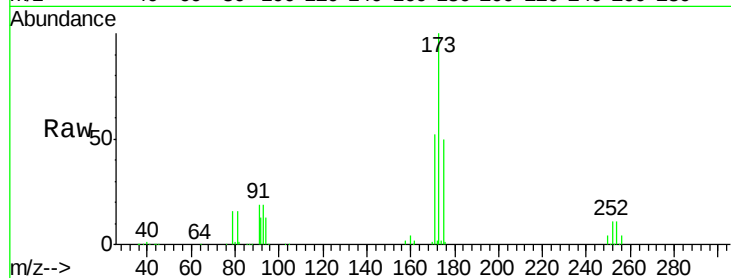
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	131076
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.2	72.6
254	0.2	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

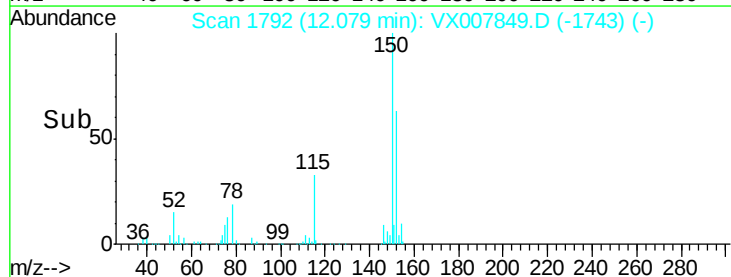
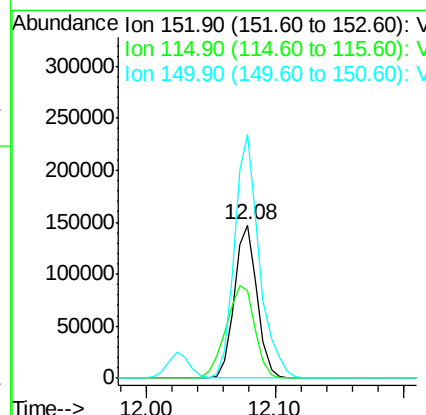
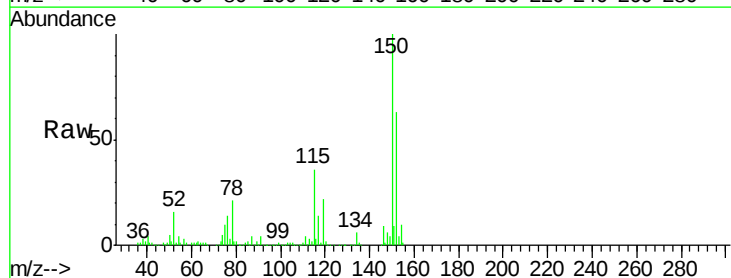
RT: 12.08 min Scan# 1792

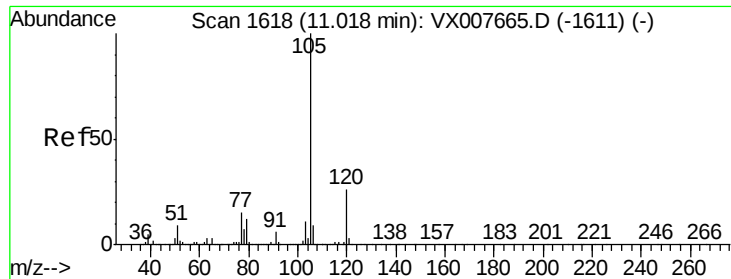
Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tgt Ion:	152	Resp:	181065
Ion Ratio	Lower	Upper	
152	100		
115	77.1	38.0	114.0
150	174.1	0.0	346.4





#73

Isopropylbenzene

Concen: 48.290 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 624922

Ion Ratio Lower Upper

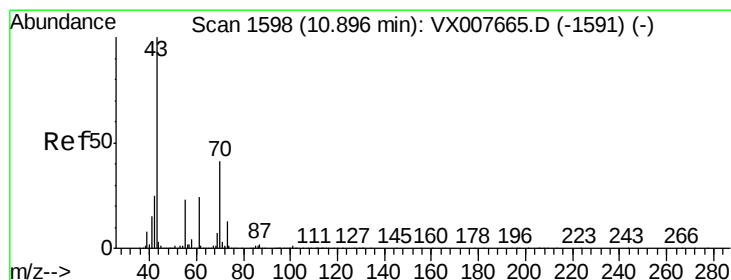
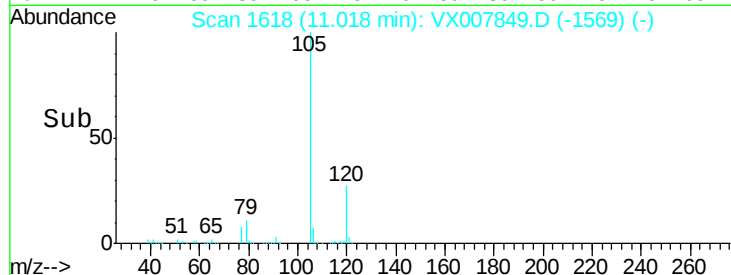
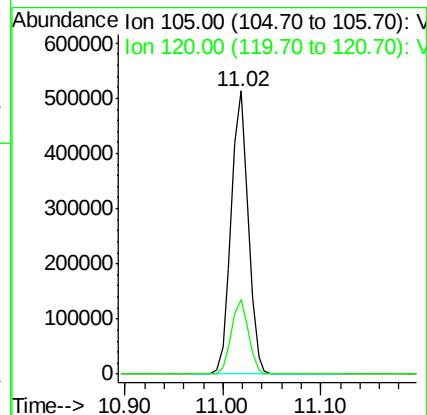
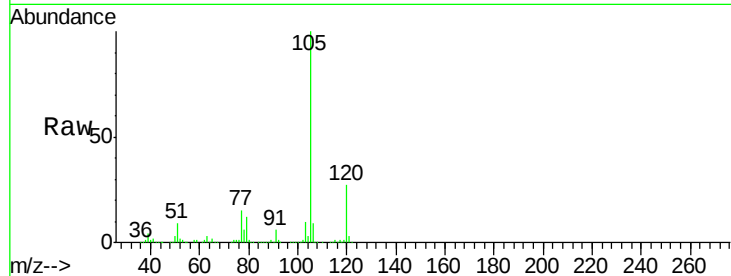
105 100

120 26.5 13.6 40.7

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#74

N-ethyl acetate

Concen: 52.475 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tgt Ion: 43 Resp: 294897

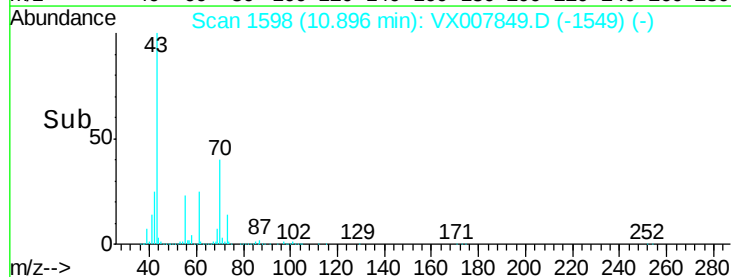
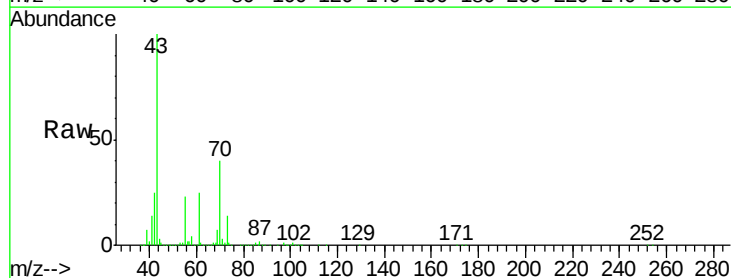
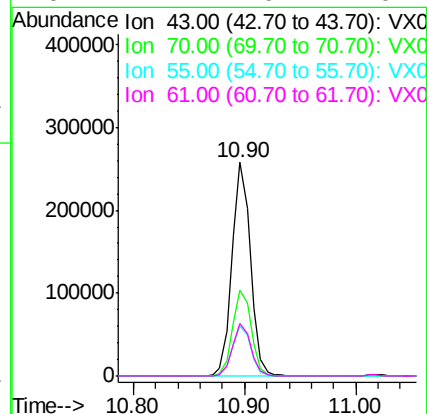
Ion Ratio Lower Upper

43 100

70 41.0 33.8 50.6

55 23.7 19.5 29.3

61 24.4 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 47.438 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

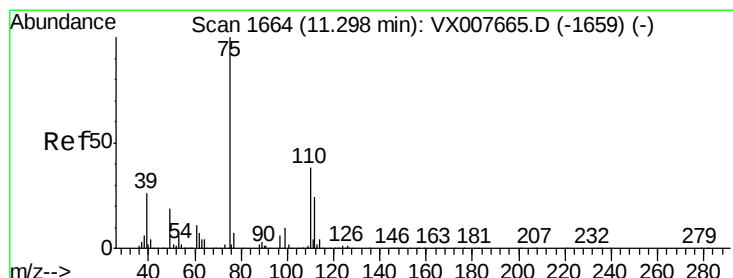
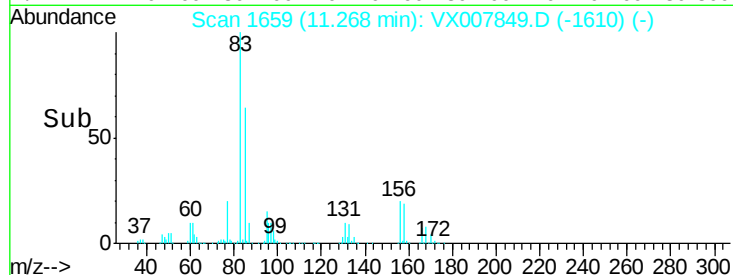
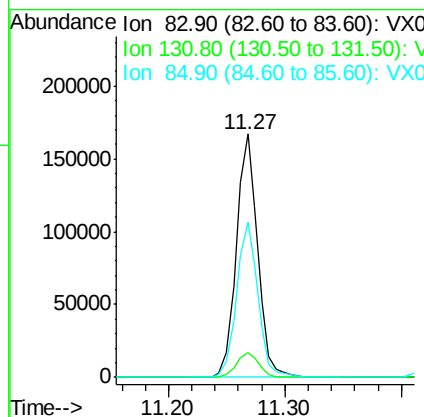
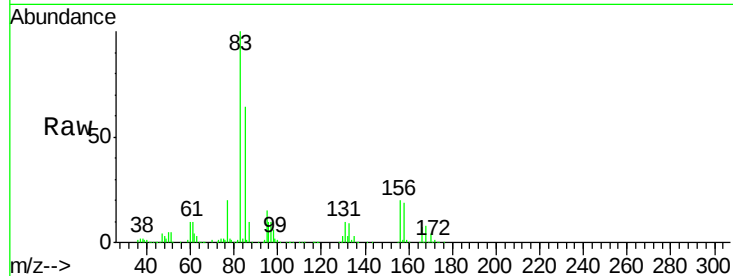
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	212326
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.7	17.0
85	64.2	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 52.448 ug/l m

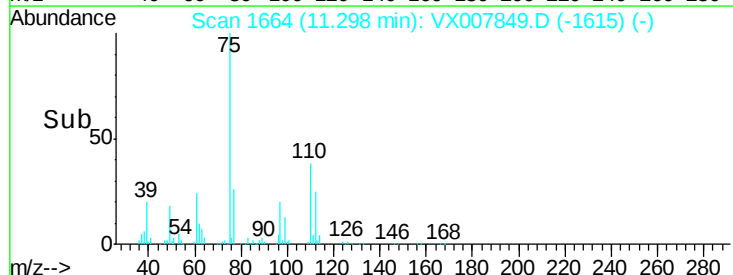
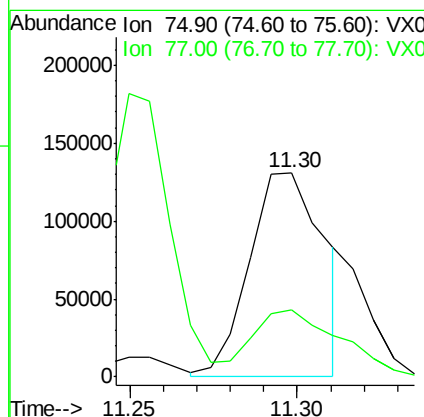
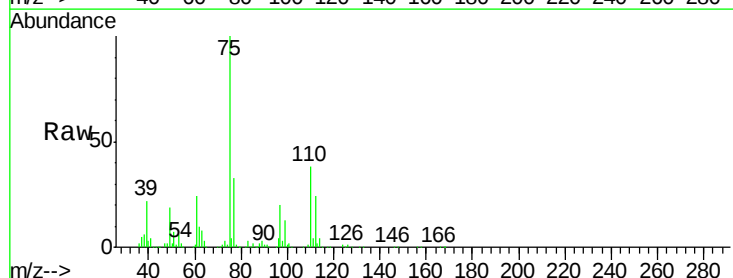
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tgt Ion:	75	Resp:	202424
Ion Ratio	Lower	Upper	
75	100		
77	39.4	23.0	69.0





#77

Bromobenzene

Concen: 50.964 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

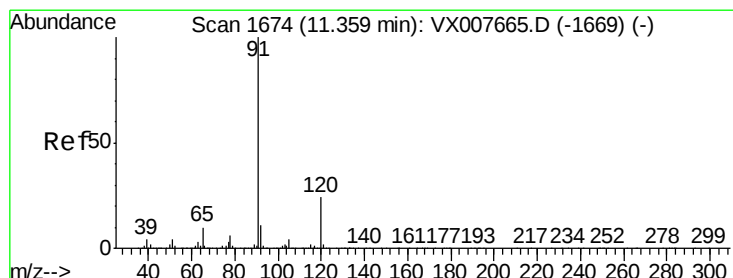
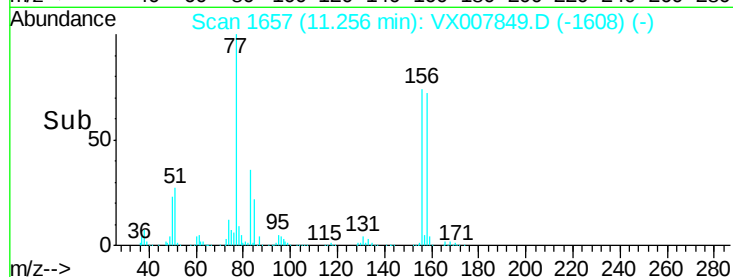
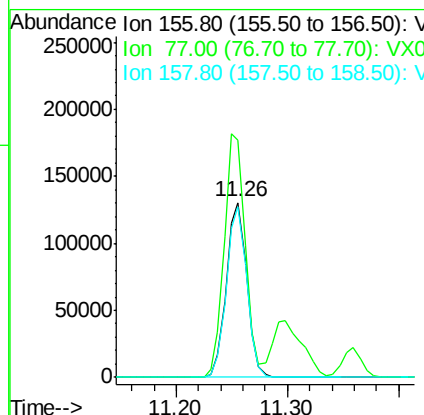
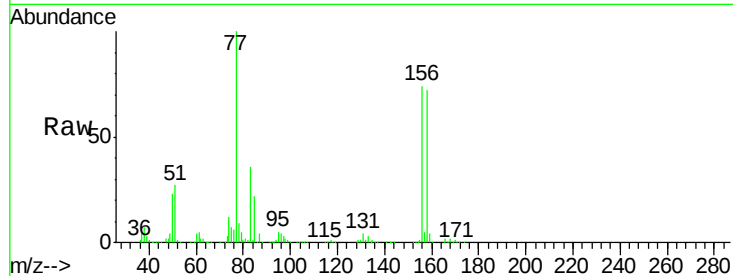
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	165423
Ion Ratio	Lower	Upper	
156	100		
77	143.0	66.8	200.6
158	97.0	47.9	143.8

Manual Integrations
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3/6/2019 9:49:52 AM



#78

n-propylbenzene

Concen: 48.224 ug/l

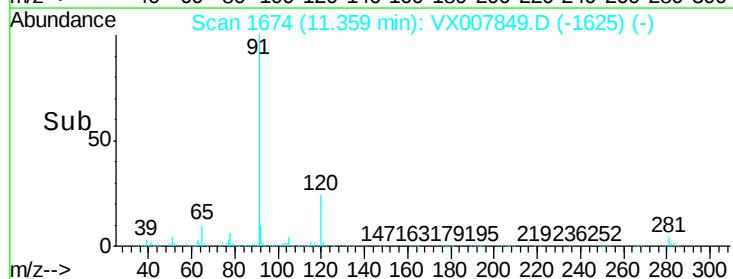
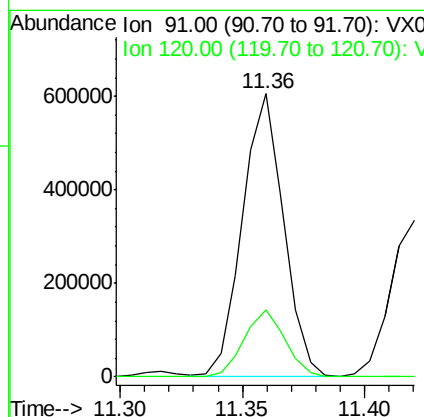
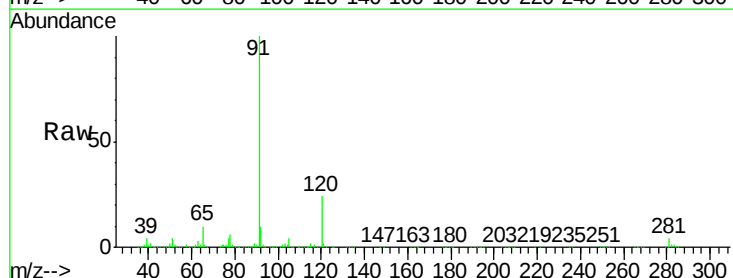
RT: 11.36 min Scan# 1674

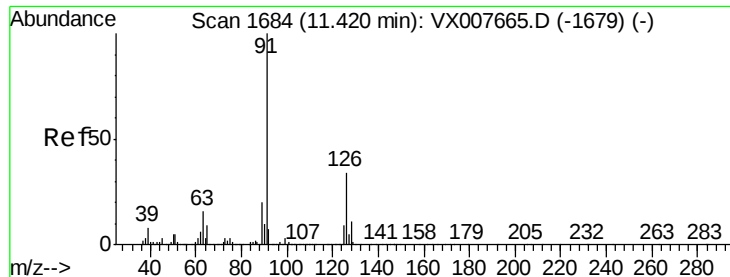
Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tgt Ion:	91	Resp:	705200
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.4	37.2





#79

2-Chlorotoluene

Concen: 46.889 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 412862

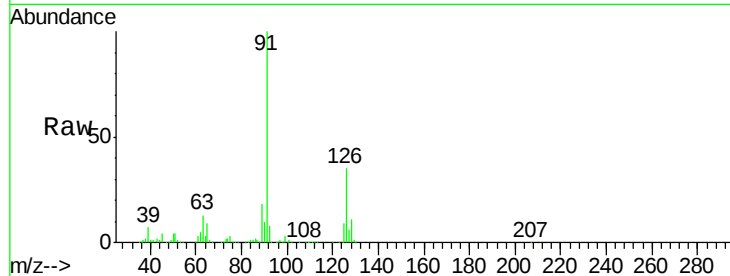
Ion Ratio Lower Upper

91 100

126 35.3 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VX007665.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007665.D (-1679) (-)

600000

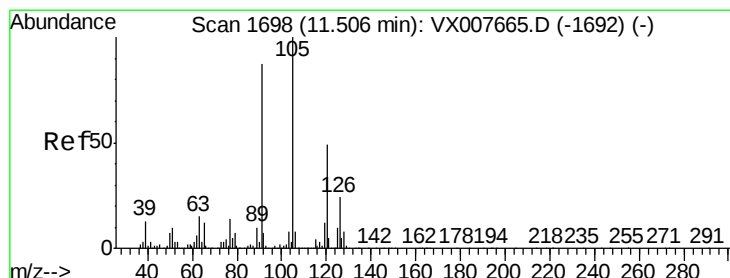
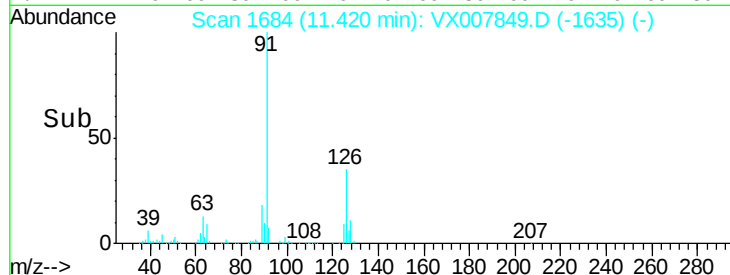
400000

200000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.329 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007849.D

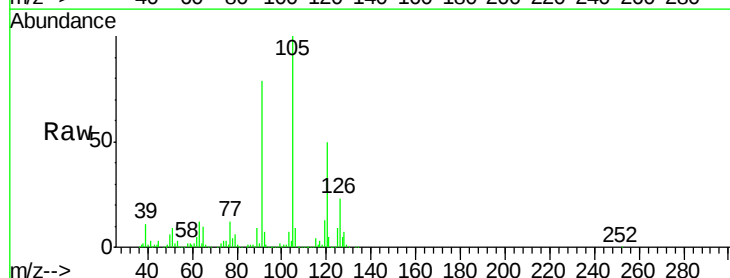
Acq: 05 Mar 2019 20:34

Tgt Ion: 105 Resp: 514448

Ion Ratio Lower Upper

105 100

120 49.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007665.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007665.D (-1692) (-)

500000

400000

300000

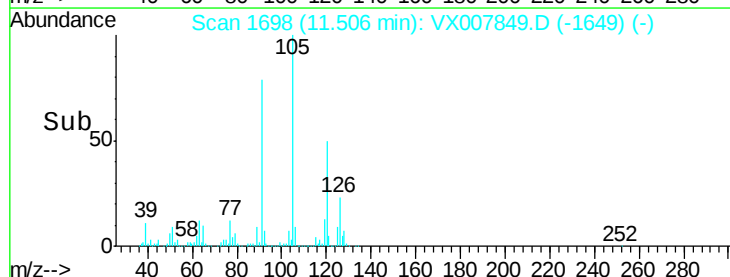
200000

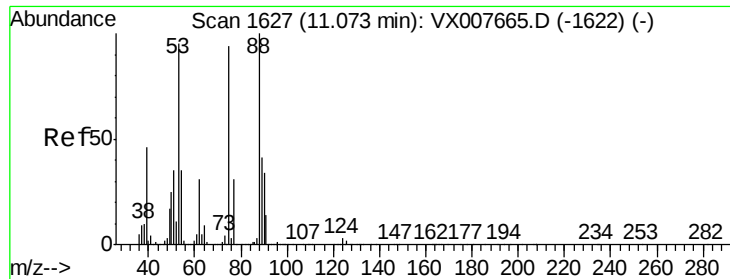
100000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.436 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

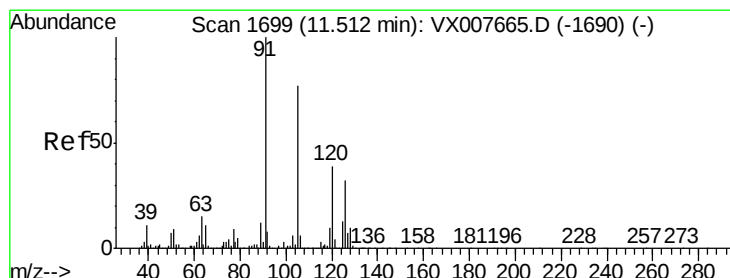
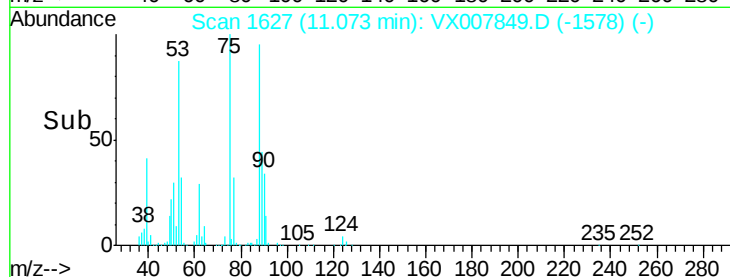
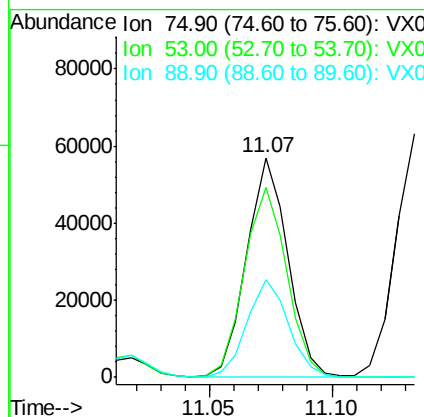
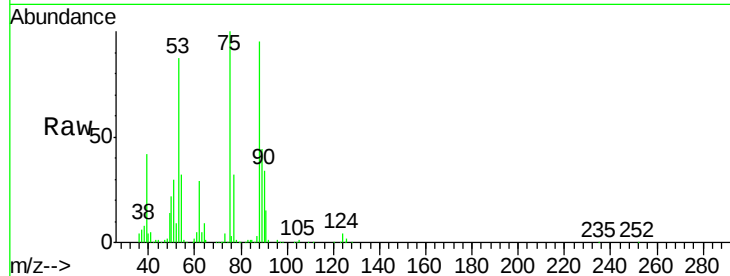
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	66551
Ion	Ratio	Lower	Upper
75	100		
53	89.5	81.0	121.6
89	45.3	41.4	62.0

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#82

4-Chlorotoluene

Concen: 46.179 ug/l

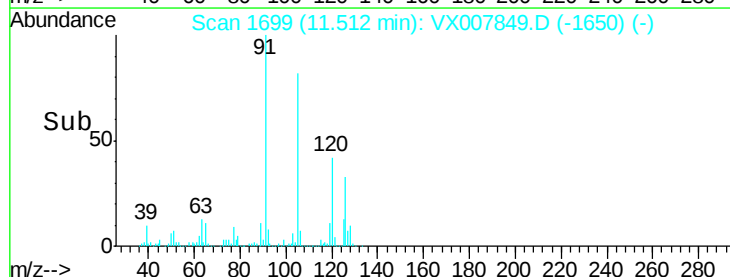
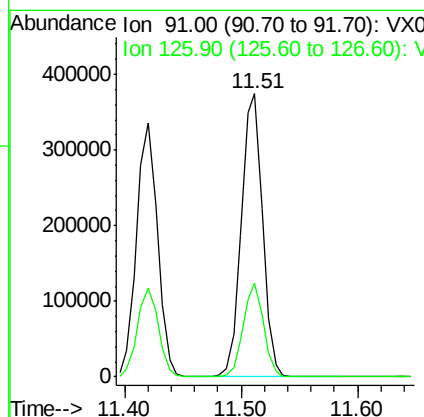
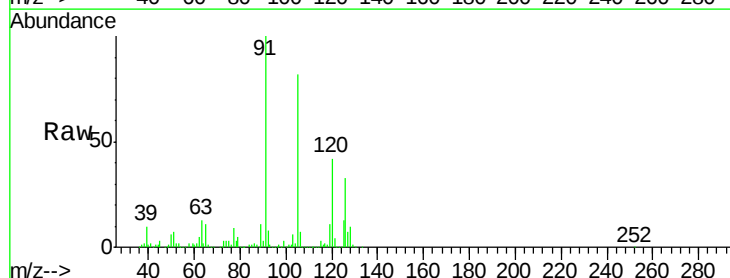
RT: 11.51 min Scan# 1699

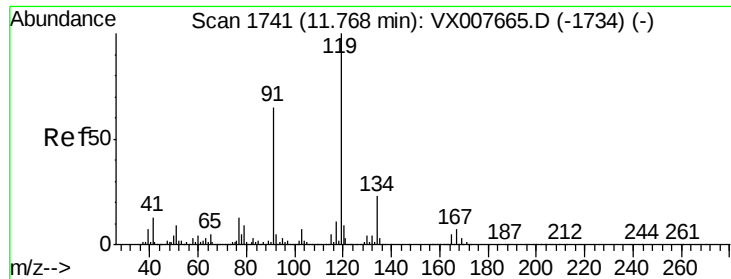
Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tgt Ion:	91	Resp:	475666
Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.2	48.5





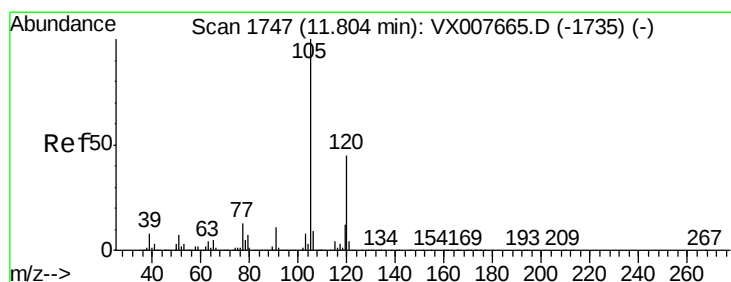
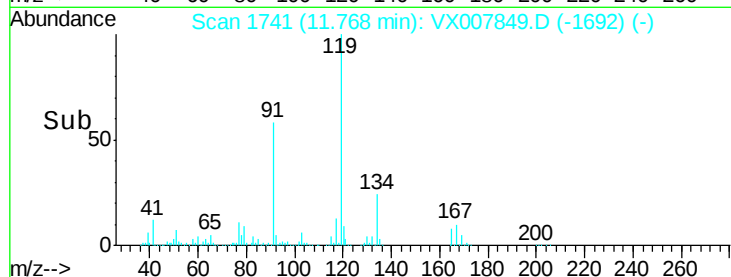
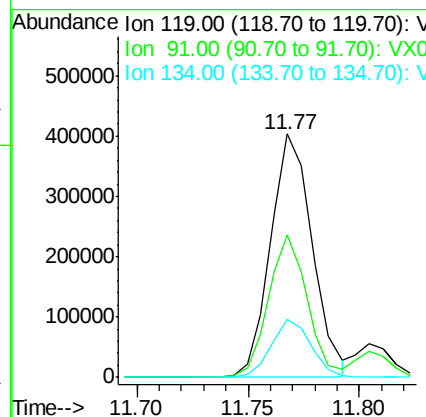
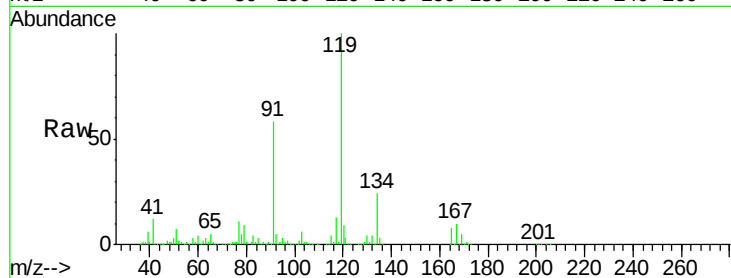
#83
tert-Butylbenzene
Concen: 51.347 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	524790		
91	54.2		28.5	85.6
134	22.7		12.0	36.0

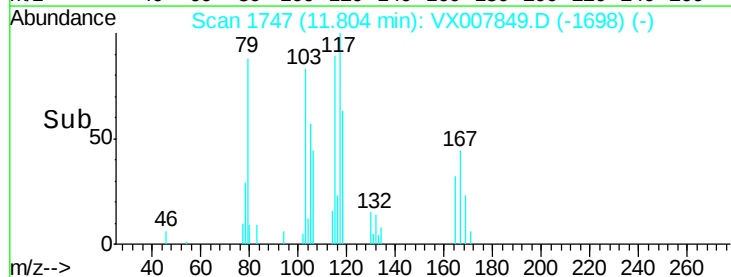
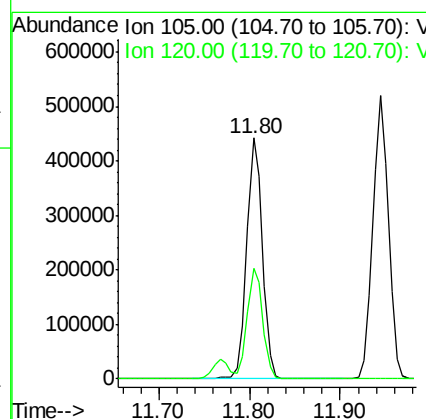
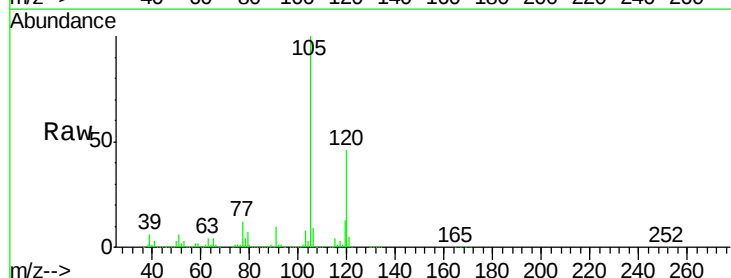
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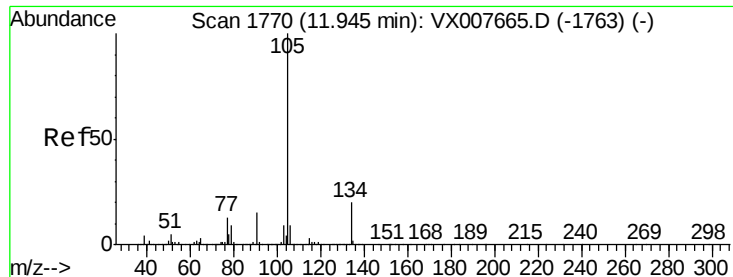
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#84
1,2,4-Trimethylbenzene
Concen: 48.530 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	528413		
120	45.1		23.1	69.3





#85

sec-Butylbenzene

Concen: 48.510 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 621283

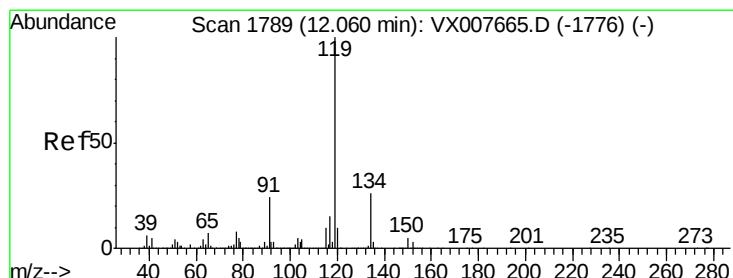
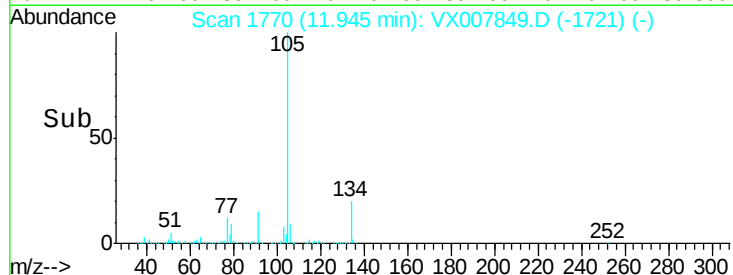
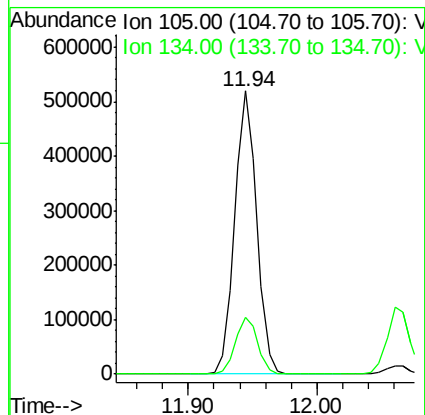
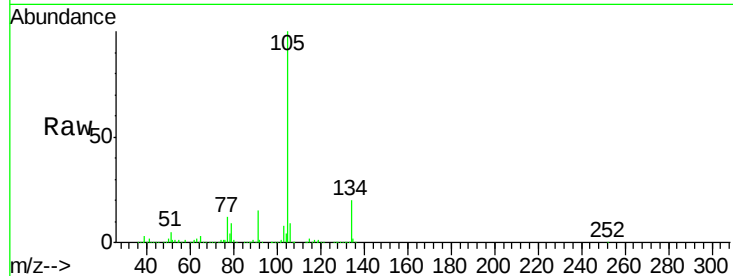
Ion Ratio Lower Upper

105 100

134 20.4 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 49.486 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

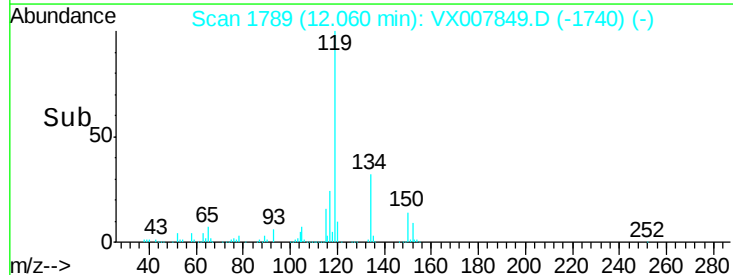
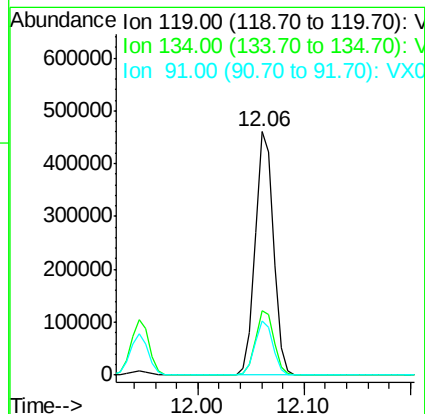
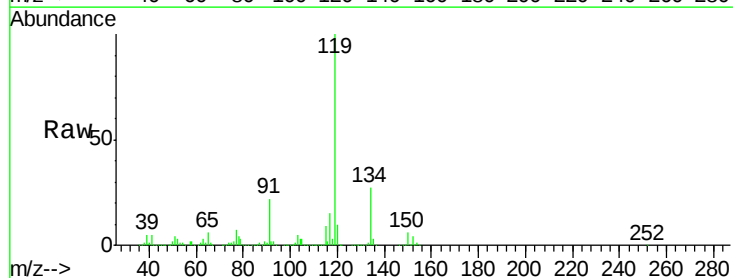
Tgt Ion:119 Resp: 555040

Ion Ratio Lower Upper

119 100

134 26.6 13.7 41.1

91 22.0 11.2 33.5





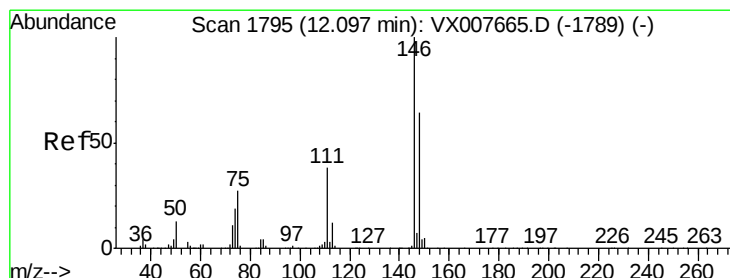
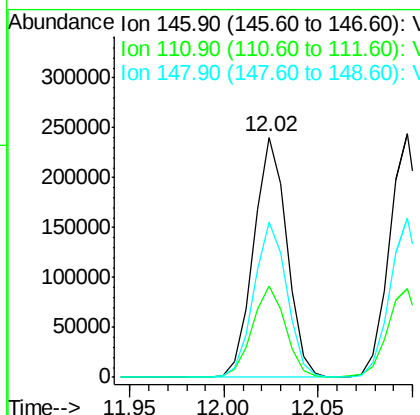
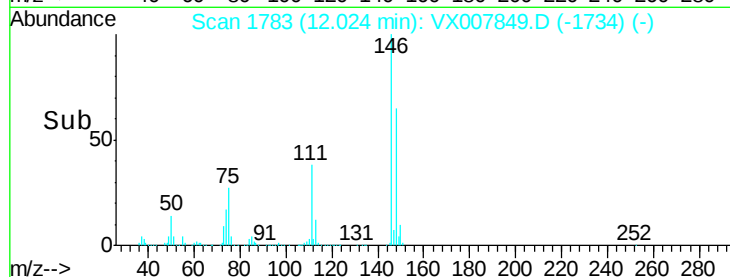
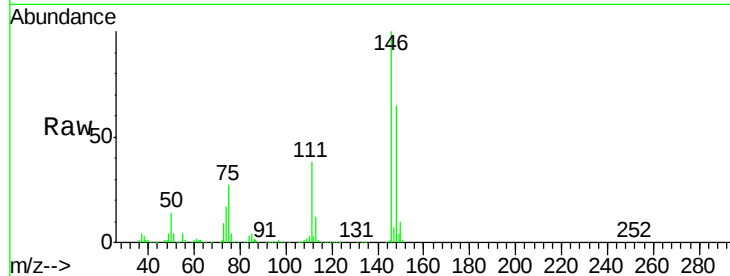
#87
 1,3-Dichlorobenzene
 Concen: 48.754 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.1
148	64.2	32.0	96.2

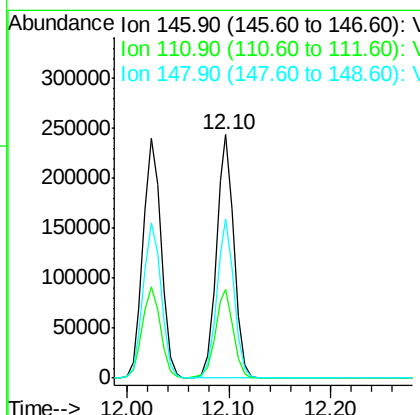
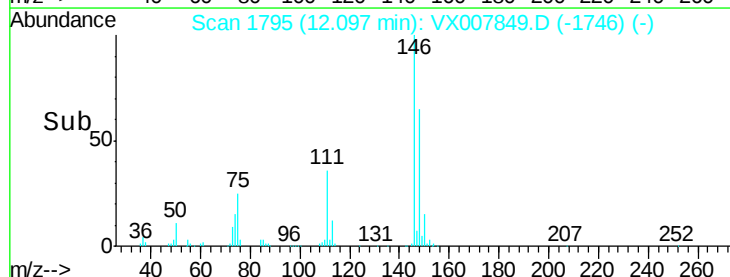
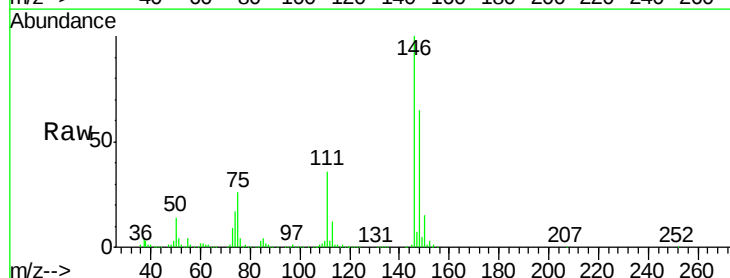
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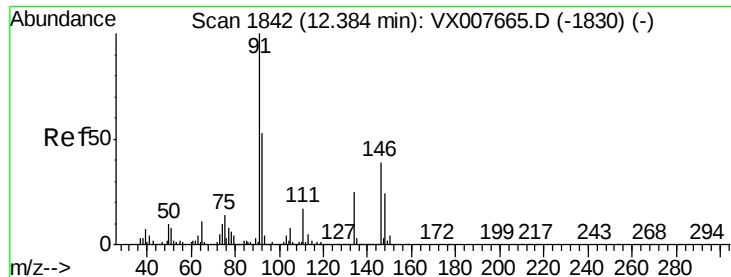
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#88
 1,4-Dichlorobenzene
 Concen: 47.654 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	64.3	32.3	96.9





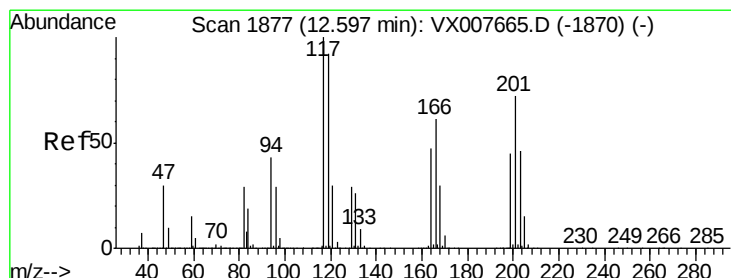
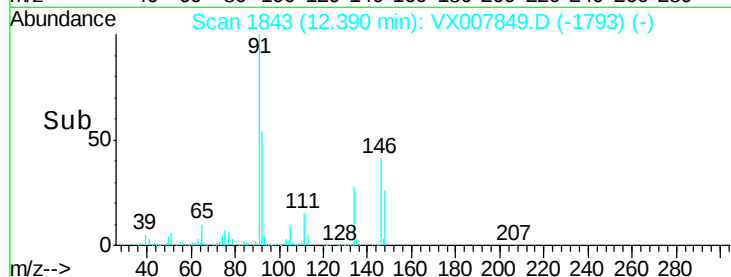
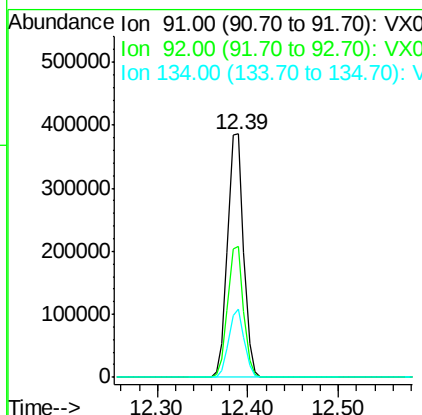
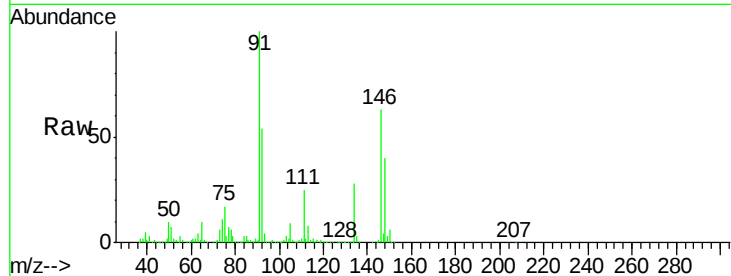
#89
n-Butylbenzene
Concen: 47.305 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.3	78.9
134	27.1	13.9	41.6

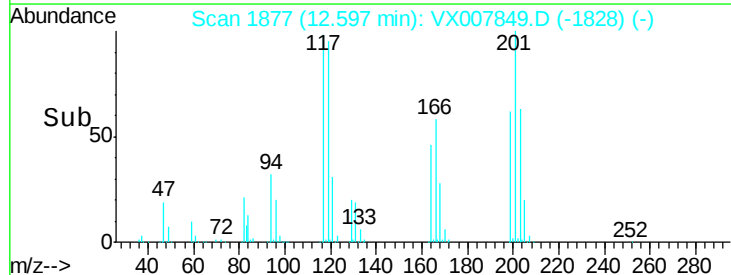
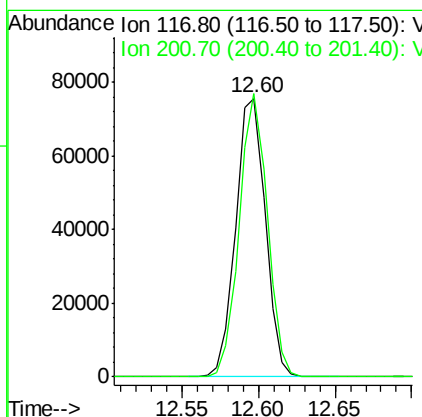
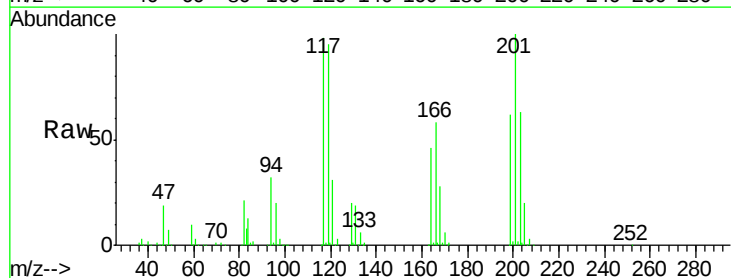
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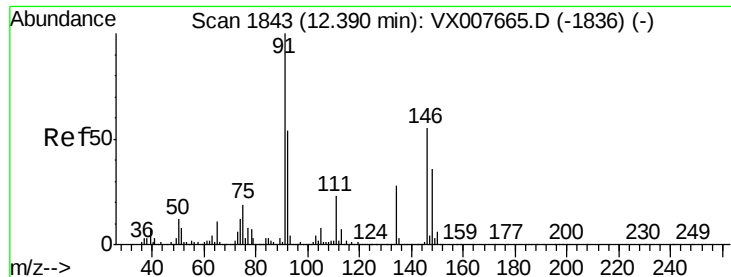
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#90
Hexachloroethane
Concen: 53.726 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007849.D
Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.3	44.9	134.7





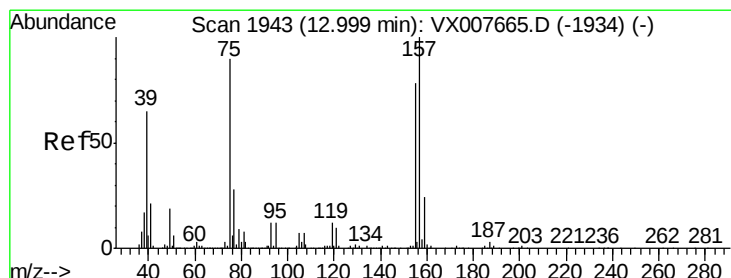
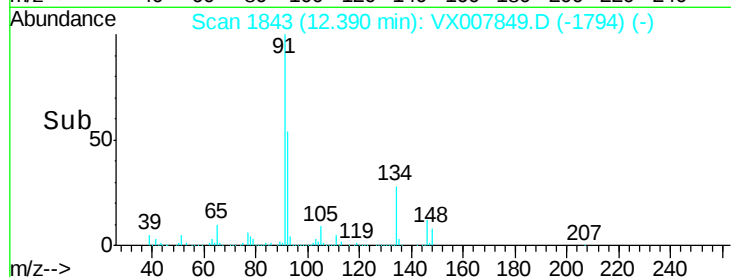
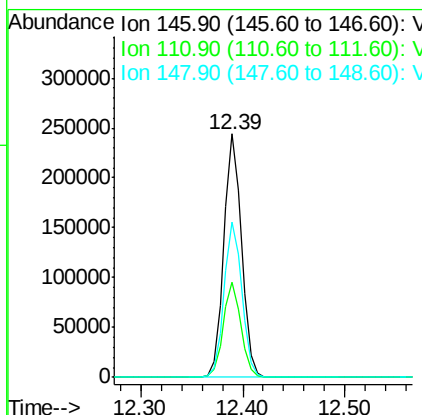
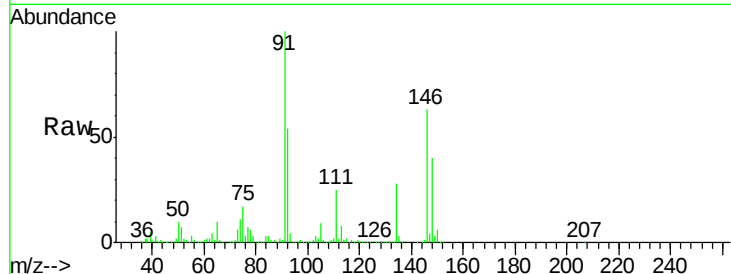
#91
 1,2-Dichlorobenzene
 Concen: 48.998 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.3
148	64.1	32.1	96.3

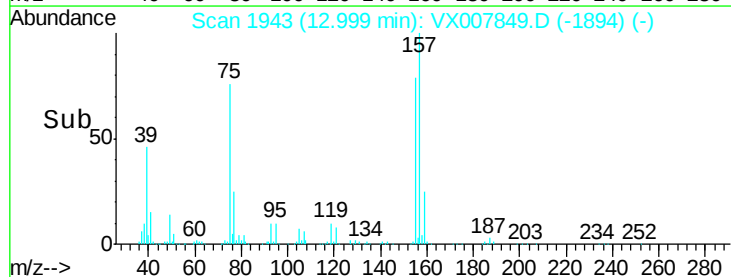
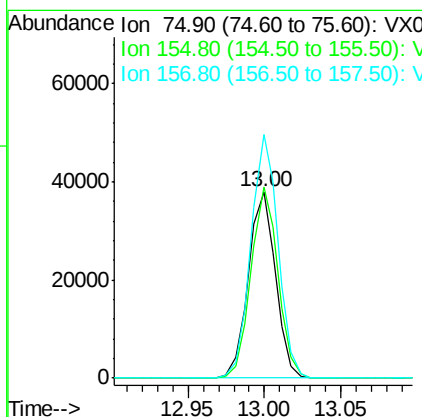
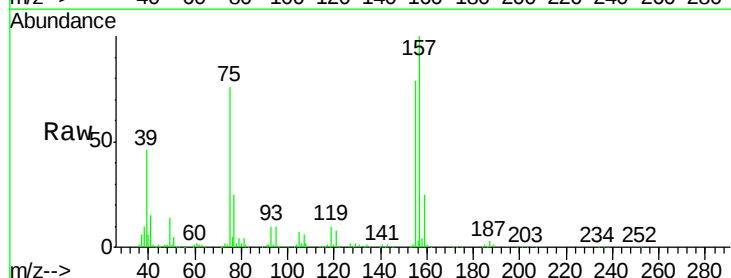
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.932 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.8	49.6	149.0
157	131.1	65.1	195.3





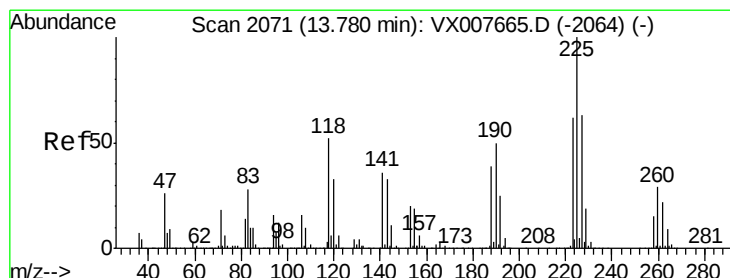
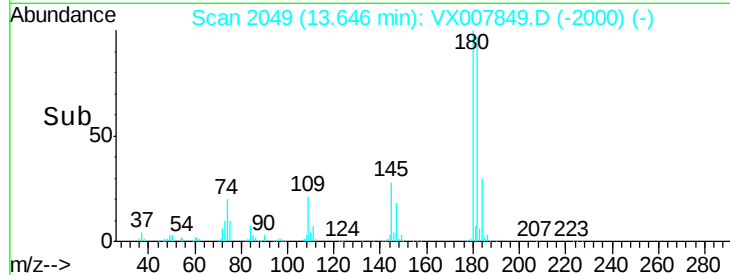
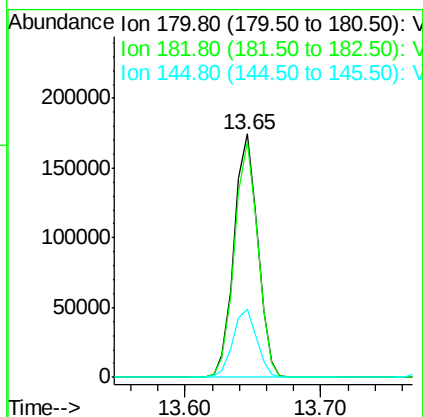
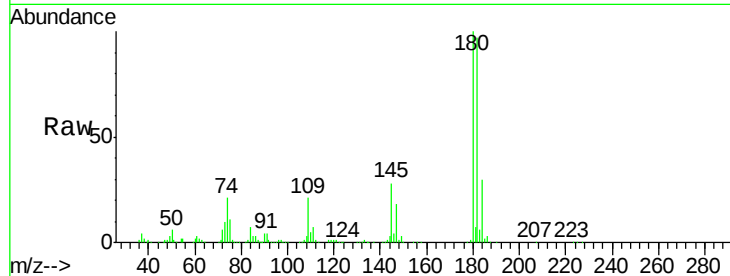
#93
 1,2,4-Trichlorobenzene
 Concen: 57.654 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	212006		
182	95.8	47.8	143.3	
145	28.3	14.1	42.2	

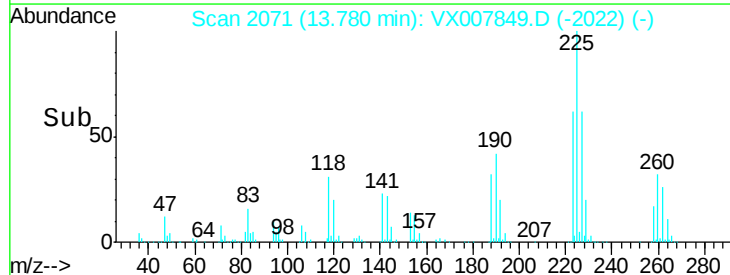
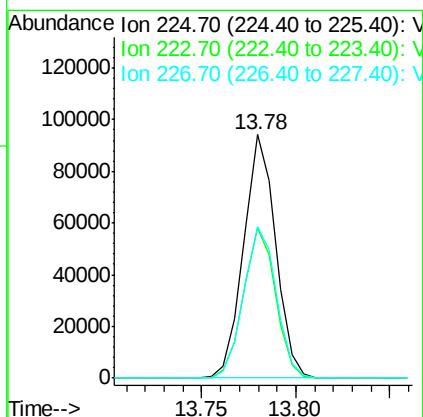
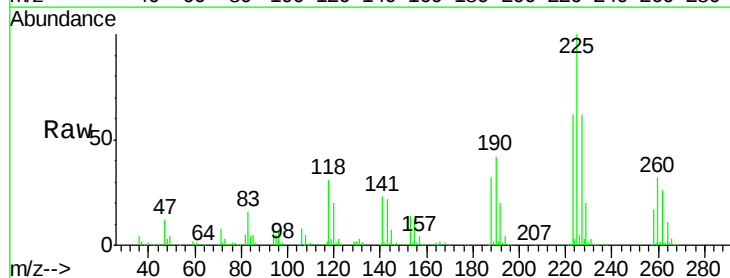
Manual Integrations
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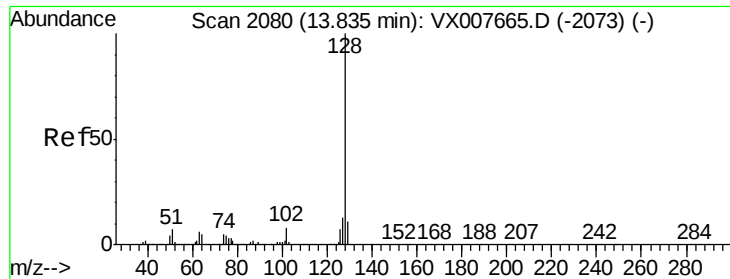
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#94
 Hexachlorobutadiene
 Concen: 65.916 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007849.D
 Acq: 05 Mar 2019 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	110884		
223	62.0	31.6	94.8	
227	63.5	32.1	96.3	





#95

Naphthalene

Concen: 53.354 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Instrument :

MSVOA_X

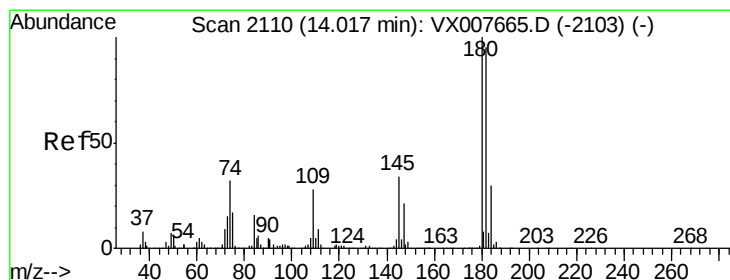
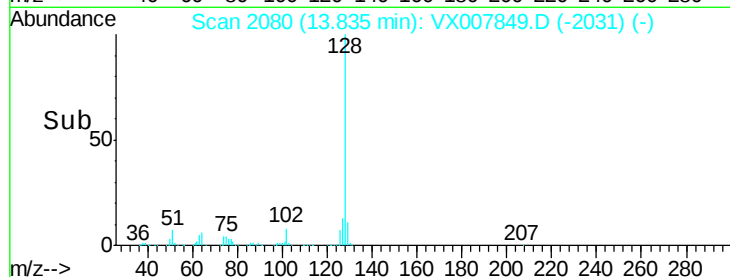
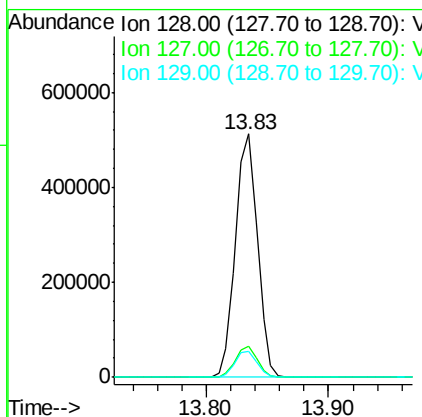
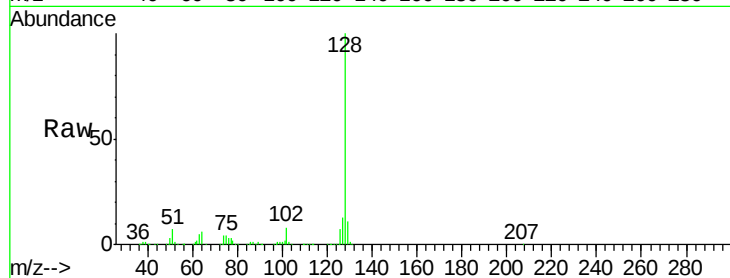
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	635639
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:49:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 57.762 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007849.D

Acq: 05 Mar 2019 20:34

Tgt Ion:	180	Resp:	213274
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.5	142.6
145	29.8	14.9	44.5

