

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008281.D
 Acq On : 21 Mar 2019 08:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 2:51:11 PM

Quant Time: Mar 22 08:30:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	228674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397026	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164955	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	178931	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.90%		
35) Dibromofluoromethane	5.50	113	138454	52.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.18%		
50) Toluene-d8	8.71	98	512091	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.64%		
62) 4-Bromofluorobenzene	11.13	95	178770	51.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.04%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	144828	52.238	ug/l	99
3) Chloromethane	1.33	50	158921	45.682	ug/l	100
4) Vinyl Chloride	1.41	62	171021	49.306	ug/l	94
5) Bromomethane	1.64	94	168155	56.913	ug/l	99
6) Chloroethane	1.72	64	198196	91.134	ug/l	92
7) Trichlorofluoromethane	1.93	101	222279	50.215	ug/l	98
8) Diethyl Ether	2.19	74	126340	55.474	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	148542	50.542	ug/l	91
10) Methyl Iodide	2.51	142	223257	59.661	ug/l	96
11) Tert butyl alcohol	3.05	59	218665	296.583	ug/l	99
12) 1,1-Dichloroethene	2.37	96	153838	55.445	ug/l	91
13) Acrolein	2.30	56	37507	64.496	ug/l	98
14) Allyl chloride	2.73	41	325280	53.855	ug/l	94
15) Acrylonitrile	3.15	53	548079	281.049	ug/l	98
16) Acetone	2.45	43	492664	252.217	ug/l	97
17) Carbon Disulfide	2.57	76	477930	52.733	ug/l	99
18) Methyl Acetate	2.78	43	275357	60.891	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	577376	57.552	ug/l	100
20) Methylene Chloride	2.86	84	175555	53.897	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	162786	54.308	ug/l	94
22) Diisopropyl ether	3.86	45	667606	56.436	ug/l	90
23) Vinyl Acetate	3.82	43	2923600	288.269	ug/l	98
24) 1,1-Dichloroethane	3.70	63	343484	56.456	ug/l	99
25) 2-Butanone	4.68	43	809789	280.846	ug/l	99
26) 2,2-Dichloropropane	4.59	77	159079	34.708	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	188634	55.204	ug/l	95
28) Bromochloromethane	5.02	49	144019	52.716	ug/l	84
29) Tetrahydrofuran	5.13	42	534815	296.708	ug/l	98
30) Chloroform	5.21	83	326099	57.299	ug/l	100
31) Cyclohexane	5.59	56	305430	53.460	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	272744	57.611	ug/l	97
36) 1,1-Dichloropropene	5.80	75	242313	52.421	ug/l	97
37) Ethyl Acetate	4.84	43	309398	56.623	ug/l	98
38) Carbon Tetrachloride	5.79	117	239639	58.185	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	265835	47.790	ug/l	94
40) Benzene	6.15	78	735736	53.776	ug/l	100
41) Methacrylonitrile	5.04	41	171914	56.089	ug/l	98
42) 1,2-Dichloroethane	6.20	62	272195	54.310	ug/l	95
43) Isopropyl Acetate	6.45	43	500582	57.154	ug/l	97
44) Trichloroethene	7.21	130	184682	55.207	ug/l	91
45) 1,2-Dichloropropane	7.52	63	206261	53.855	ug/l	99
46) Dibromomethane	7.66	93	126966	54.752	ug/l	87
47) Bromodichloromethane	7.90	83	264122	59.765	ug/l	99
48) Methyl methacrylate	7.77	41	257442	55.281	ug/l	94
49) 1,4-Dioxane	7.74	88	94078	1144.770	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	1610985	284.511	ug/l	98
52) Toluene	8.79	92	436885	53.826	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	273052	49.355	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	294470	53.690	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	185448	56.549	ug/l	97
56) Ethyl methacrylate	9.18	69	303896	52.801	ug/l #	92
57) 1,3-Dichloropropane	9.37	76	324339	55.908	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	654423	243.559	ug/l	94
59) 2-Hexanone	9.49	43	1225872	281.210	ug/l	96
60) Dibromochloromethane	9.59	129	201272	63.862	ug/l	100
61) 1,2-Dibromoethane	9.67	107	193138	56.403	ug/l	100
64) Tetrachloroethene	9.34	164	149183	47.396	ug/l	96
65) Chlorobenzene	10.14	112	459686	53.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	176616	59.007	ug/l	98
67) Ethyl Benzene	10.25	91	824508	54.503	ug/l	97
68) m/p-Xylenes	10.36	106	606638	109.165	ug/l	94
69) o-Xylene	10.70	106	297957	55.179	ug/l	96
70) Styrene	10.71	104	487643	55.568	ug/l	96
71) Bromoform	10.85	173	154056	59.307	ug/l #	99
73) Isopropylbenzene	11.02	105	786507	53.492	ug/l	99
74) N-amyl acetate	10.90	43	433870	56.321	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	296687	56.273	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	244827m	52.770	ug/l	
77) Bromobenzene	11.26	156	189393	53.275	ug/l	86
78) n-propylbenzene	11.36	91	918025	53.757	ug/l	96
79) 2-Chlorotoluene	11.42	91	543477	53.022	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	645204	53.115	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	84094	46.316	ug/l	96
82) 4-Chlorotoluene	11.51	91	628662	52.707	ug/l	95
83) tert-Butylbenzene	11.77	119	656123	56.575	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	662301	53.781	ug/l	98
85) sec-Butylbenzene	11.94	105	762248	53.074	ug/l	97
86) p-Isopropyltoluene	12.06	119	654984	52.686	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	334139	52.593	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	332883	50.654	ug/l	98
89) n-Butylbenzene	12.38	91	588018	50.395	ug/l	97
90) Hexachloroethane	12.60	117	129134	60.991	ug/l	86
91) 1,2-Dichlorobenzene	12.39	146	339784	53.042	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	68560	58.547	ug/l	79

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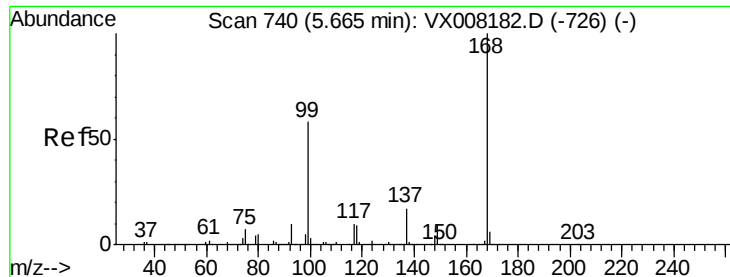
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	220239	52.195	ug/l	99
94) Hexachlorobutadiene	13.78	225	103941	50.508	ug/l	99
95) Naphthalene	13.83	128	759120	57.001	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	226051	54.445	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: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 228674

Ion Ratio Lower Upper

168 100

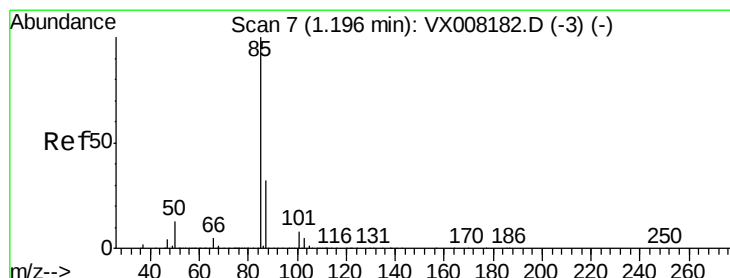
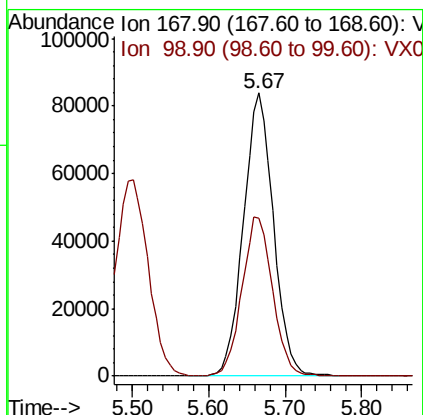
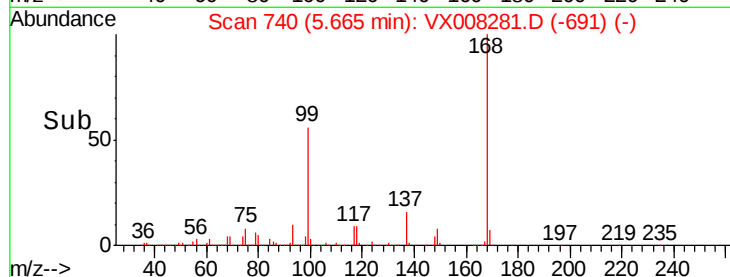
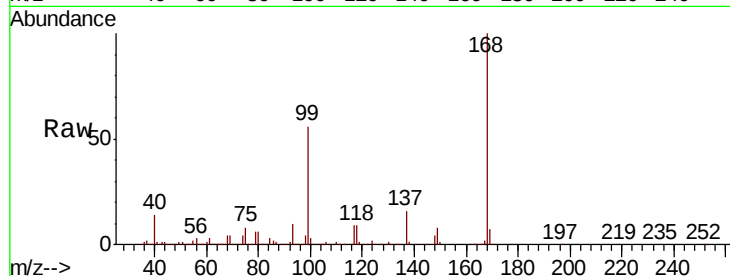
99 55.5 37.6 56.4

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#2

Dichlorodifluoromethane

Concen: 52.238 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008281.D

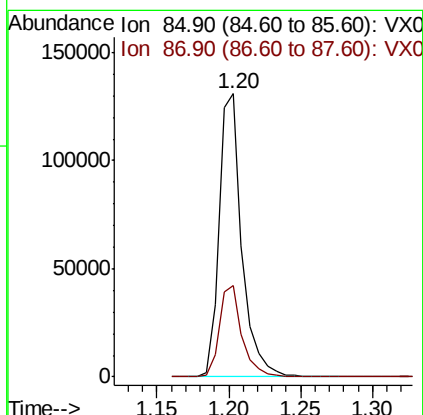
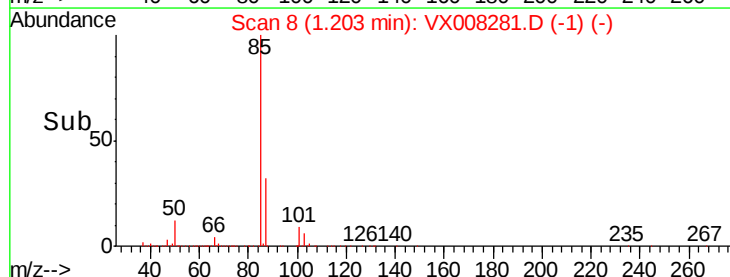
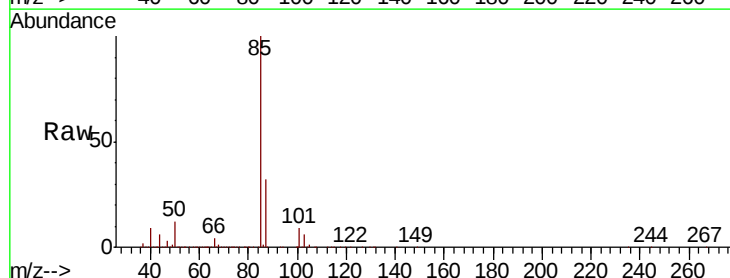
Acq: 21 Mar 2019 08:15

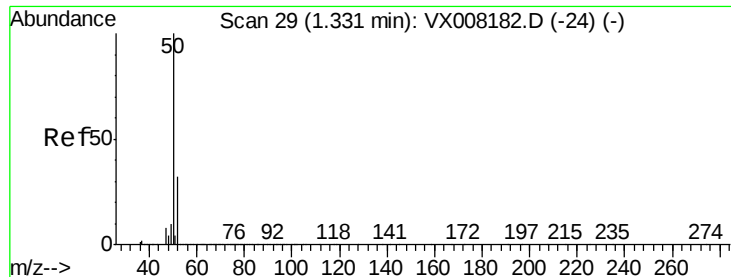
Tgt Ion: 85 Resp: 144828

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1





#3

Chloromethane

Concen: 45.682 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 158921

Ion Ratio Lower Upper

50 100

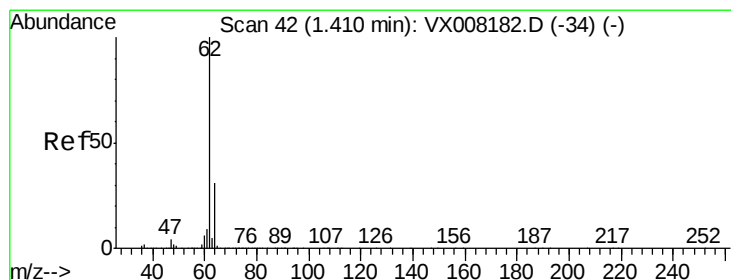
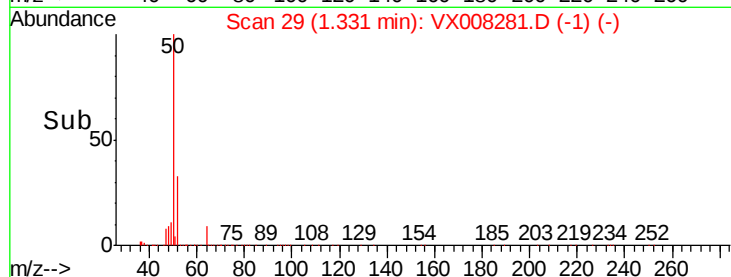
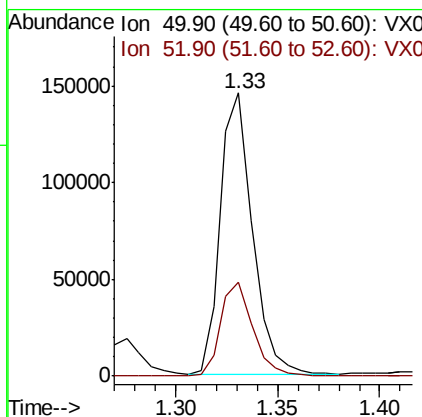
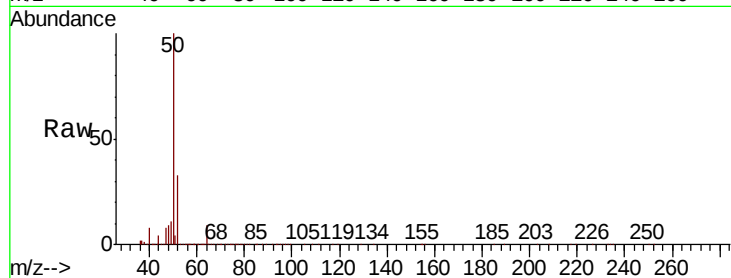
52 33.2 26.5 39.7

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#4

Vinyl Chloride

Concen: 49.306 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008281.D

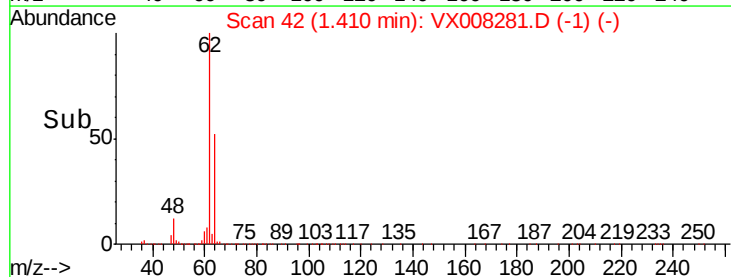
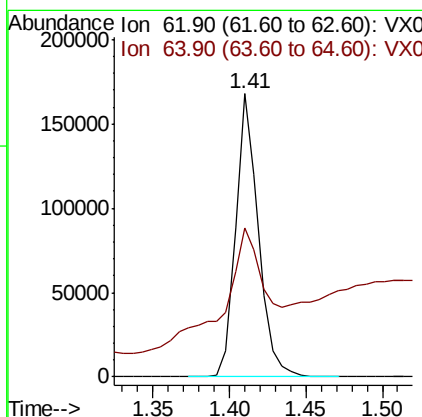
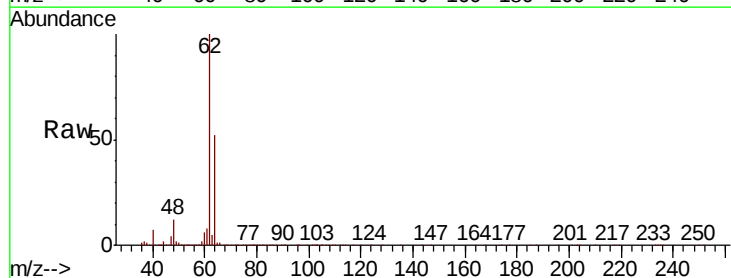
Acq: 21 Mar 2019 08:15

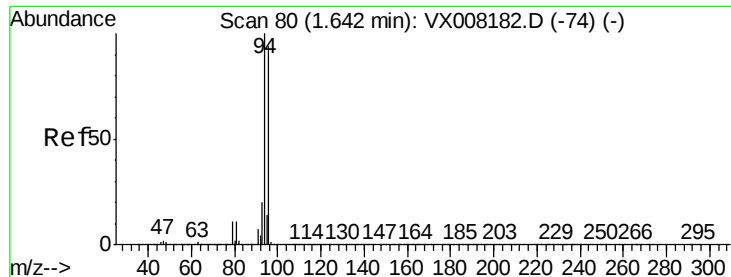
Tgt Ion: 62 Resp: 171021

Ion Ratio Lower Upper

62 100

64 35.0 25.3 37.9





#5

Bromomethane

Concen: 56.913 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 168155

Ion Ratio Lower Upper

94 100

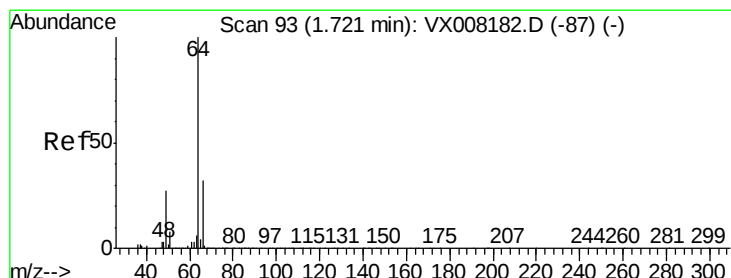
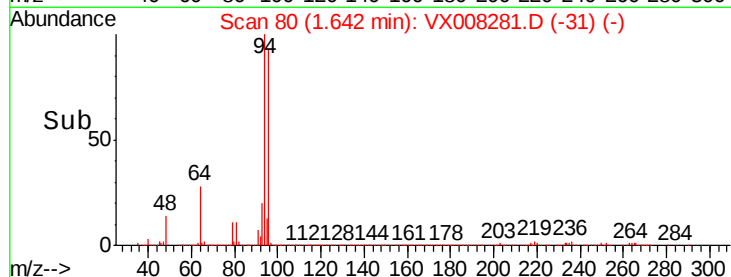
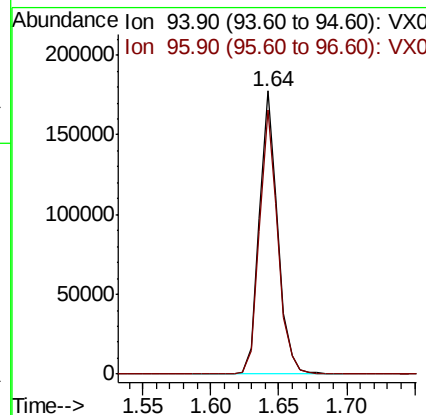
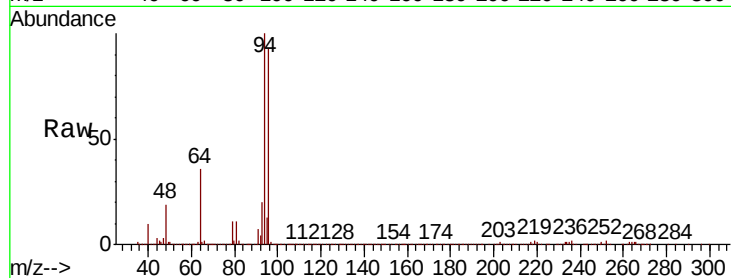
96 93.0 75.5 113.3

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#6

Chloroethane

Concen: 91.134 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008281.D

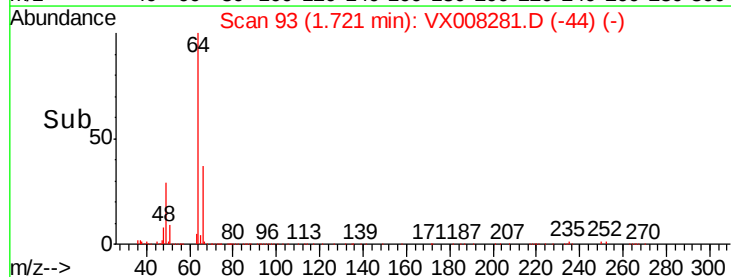
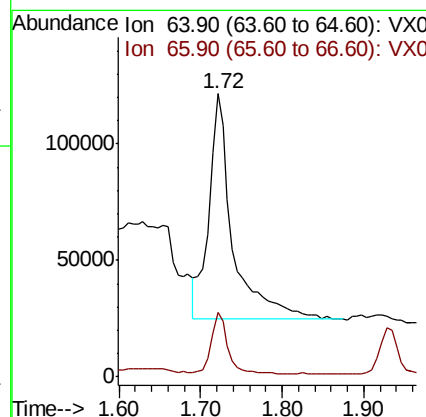
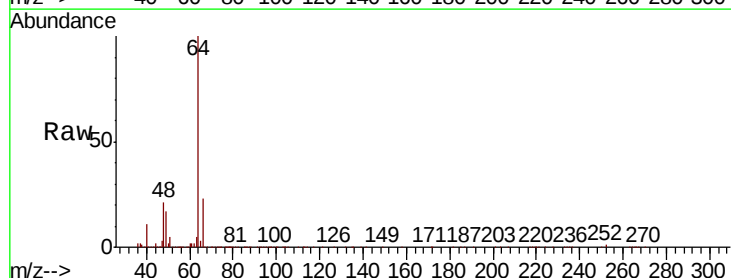
Acq: 21 Mar 2019 08:15

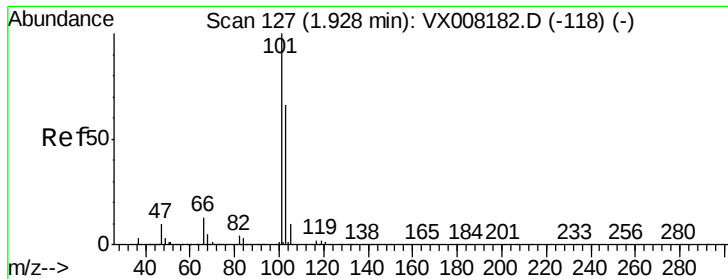
Tgt Ion: 64 Resp: 198196

Ion Ratio Lower Upper

64 100

66 27.3 25.2 37.8





#7

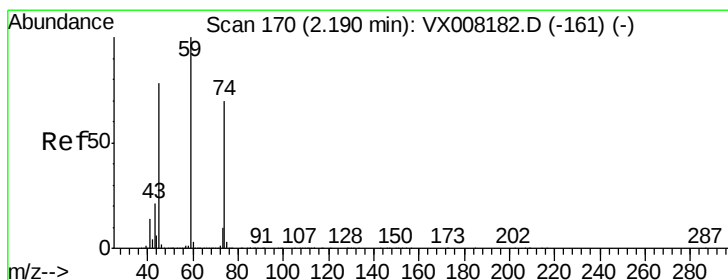
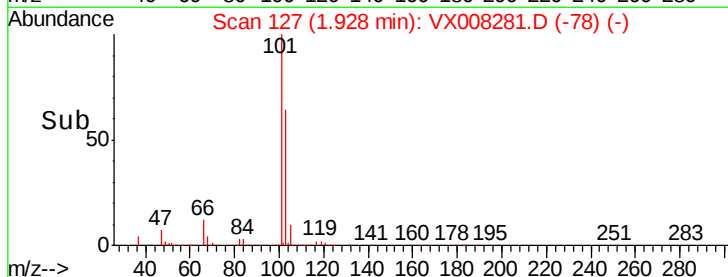
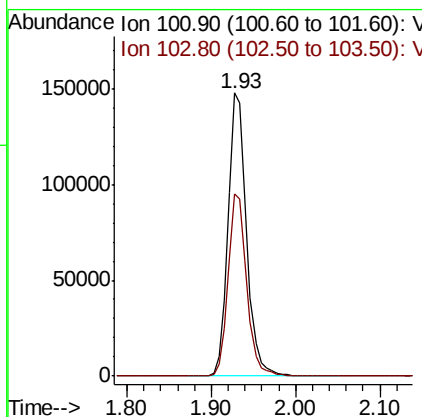
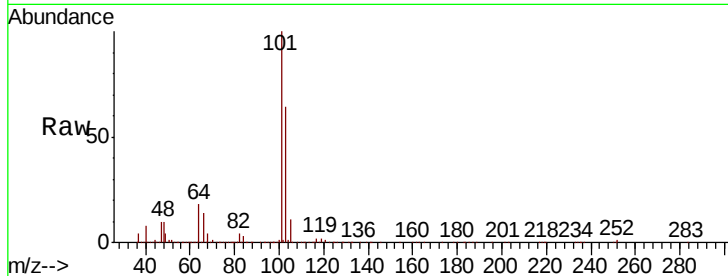
Trichlorofluoromethane
Concen: 50.215 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.4	75.6

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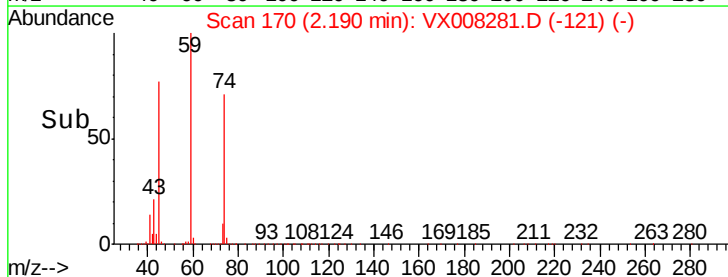
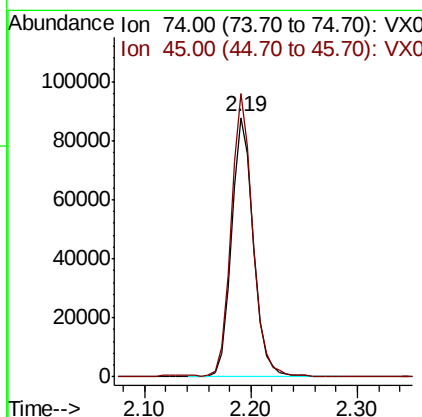
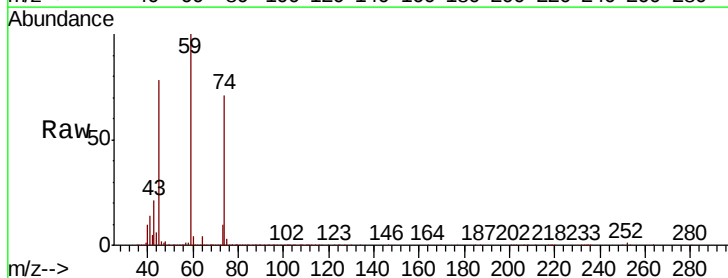
MMDadoda
3/22/2019 2:51:11 PM

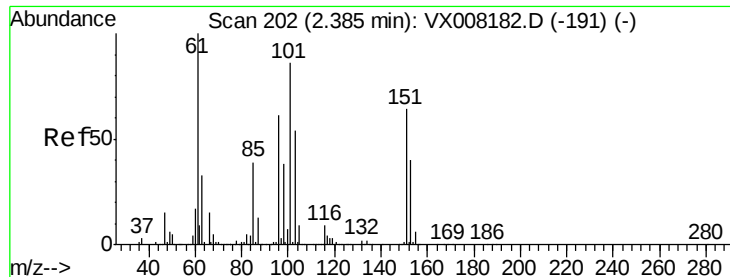


#8

Diethyl Ether
Concen: 55.474 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.1	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.542 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

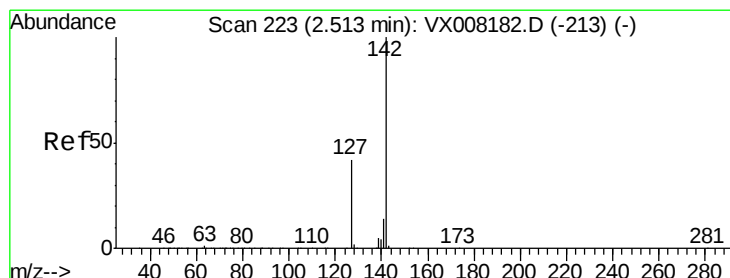
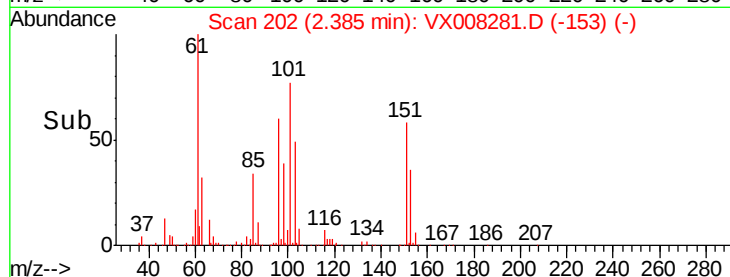
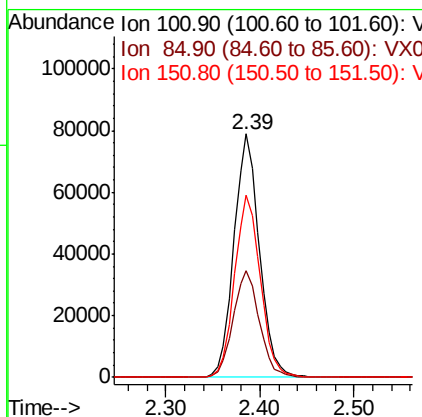
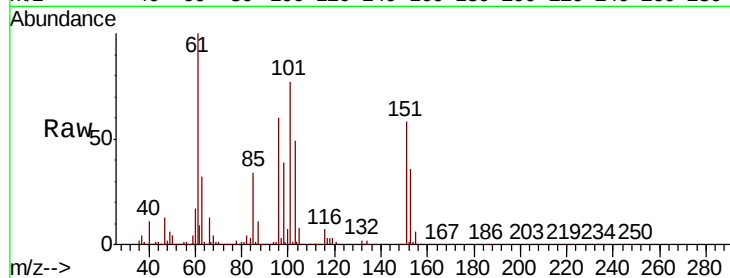
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	148542
Ion Ratio	Lower	Upper	
101	100		
85	45.0	33.8	50.6
151	75.9	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 59.661 ug/l

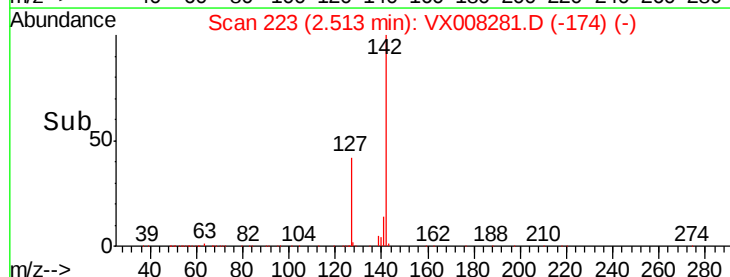
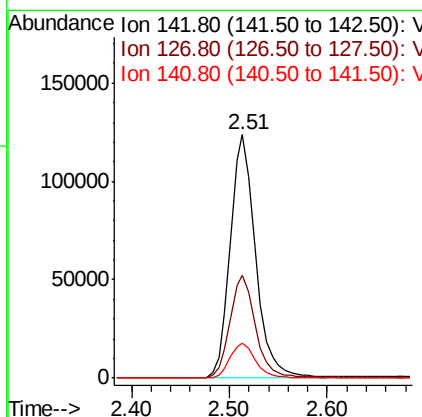
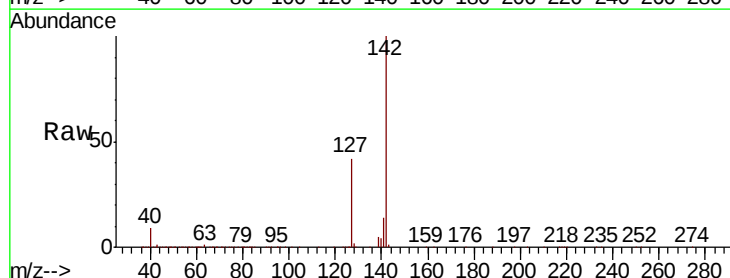
RT: 2.51 min Scan# 223

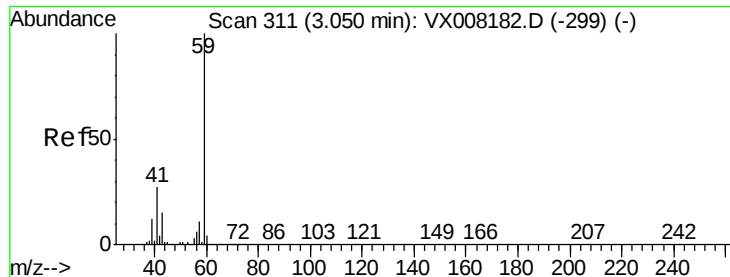
Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Tgt Ion:	142	Resp:	223257
Ion Ratio	Lower	Upper	
142	100		
127	42.9	32.1	48.1
141	14.6	11.4	17.2





#11

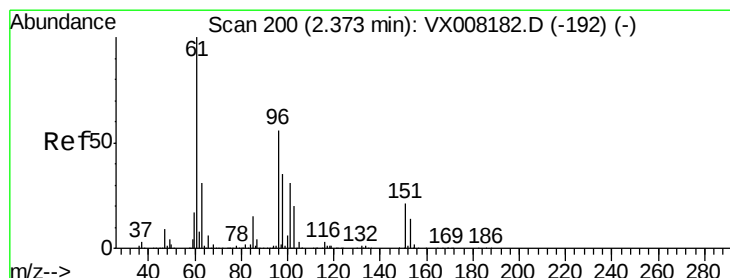
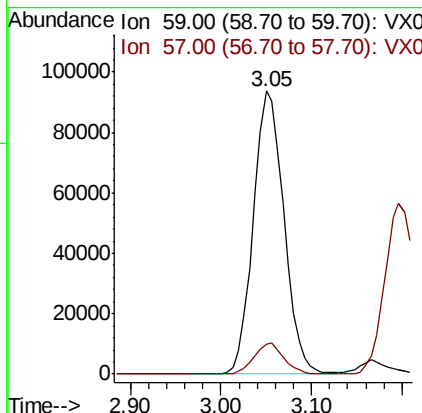
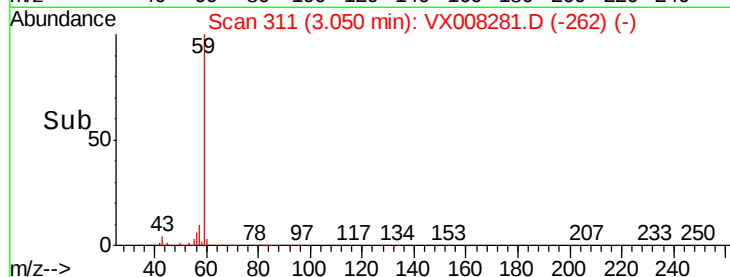
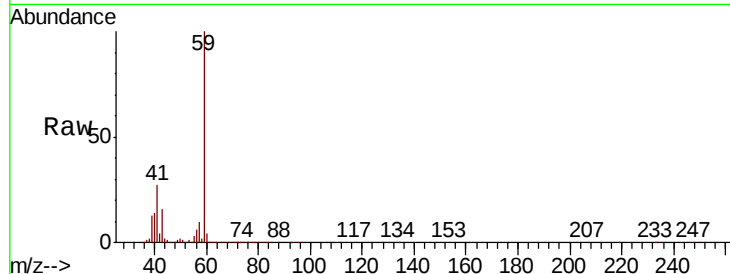
Tert butyl alcohol
Concen: 296.583 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.7	8.2	12.2

Manual Integrations
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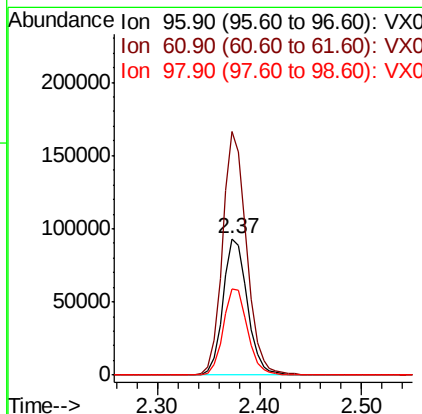
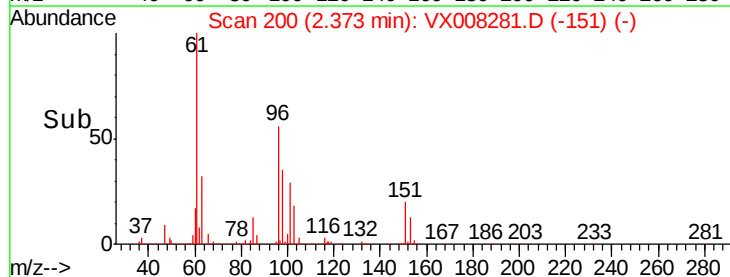
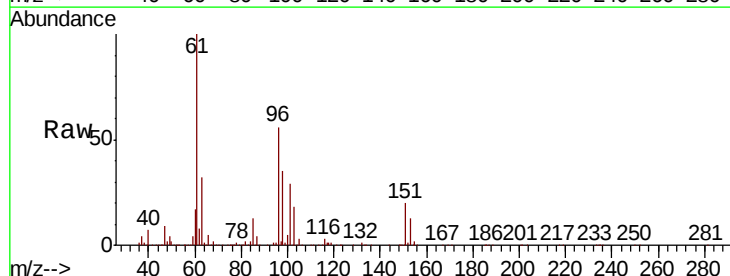
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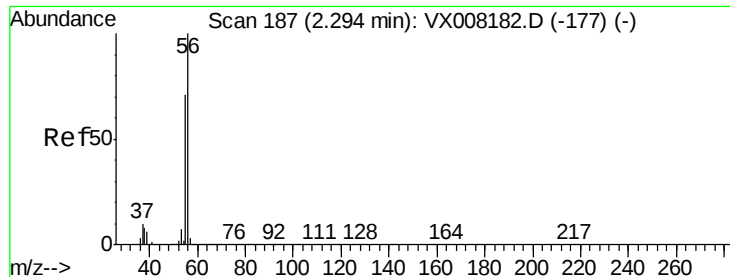


#12

1,1-Dichloroethene
Concen: 55.445 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	178.1	129.8	194.6
98	98	62.8	51.0	76.6





#13

Acrolein

Concen: 64.496 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 37507

Ion Ratio Lower Upper

56 100

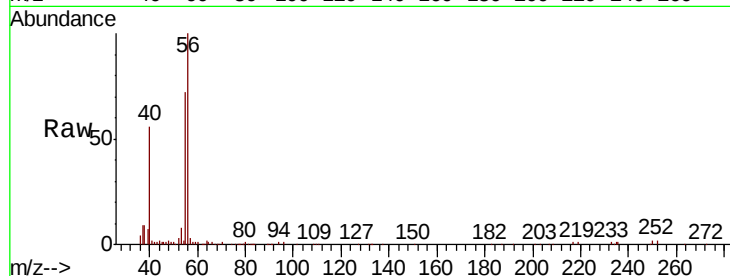
55 70.7 57.8 86.6

Manual Integrations

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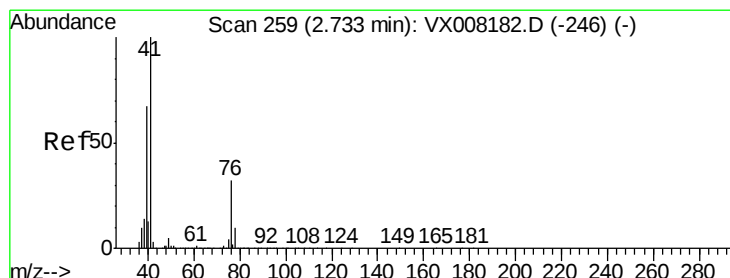
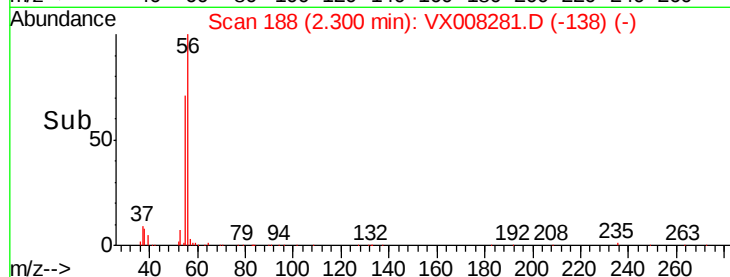
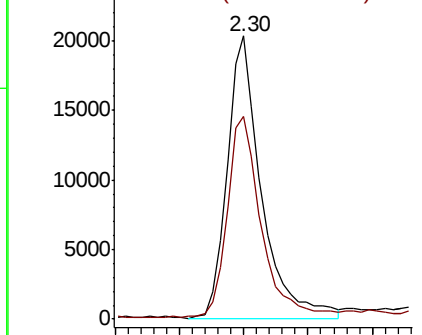
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 53.855 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

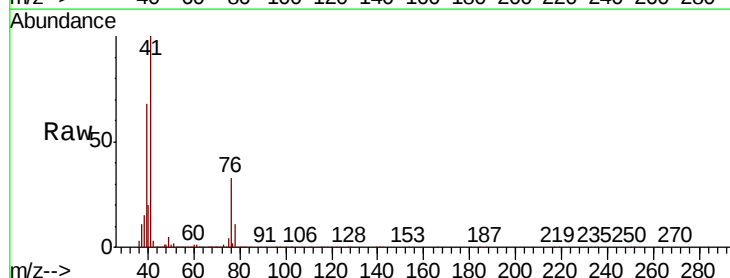
Tgt Ion: 41 Resp: 325280

Ion Ratio Lower Upper

41 100

39 64.3 46.1 69.1

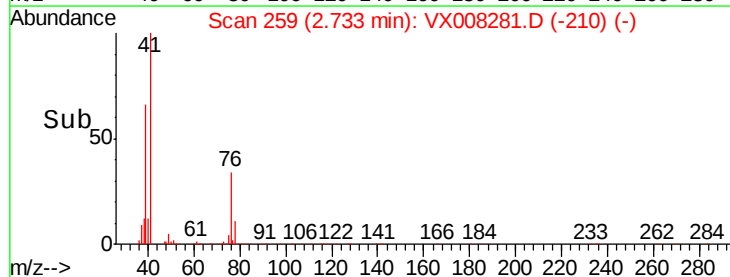
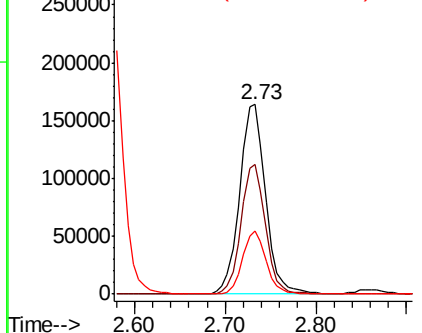
76 29.8 24.0 36.0

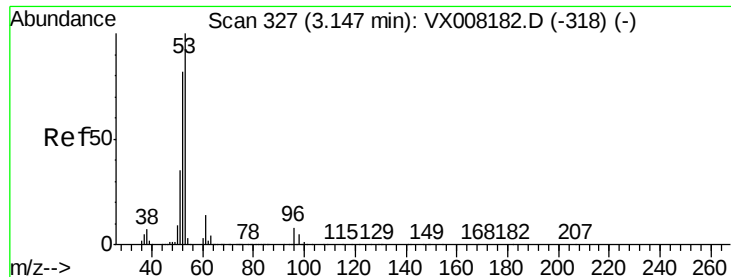


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





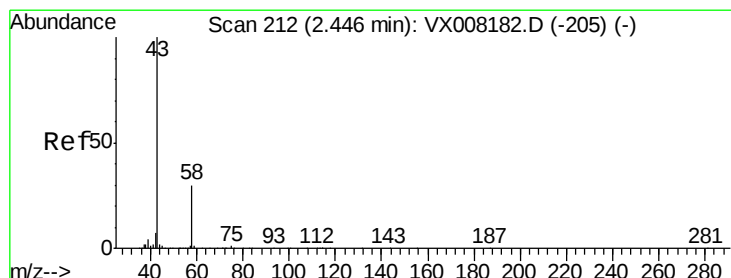
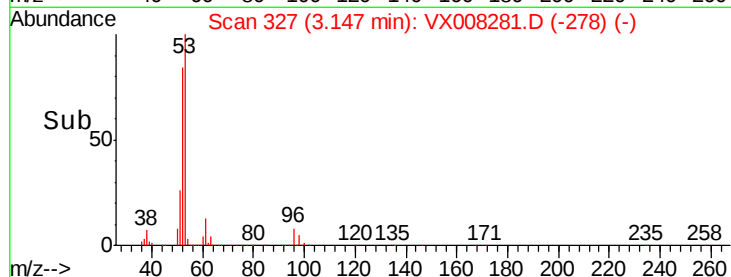
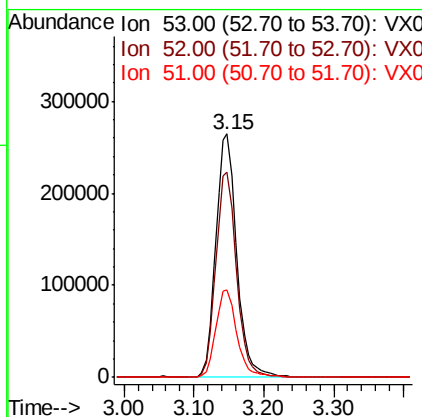
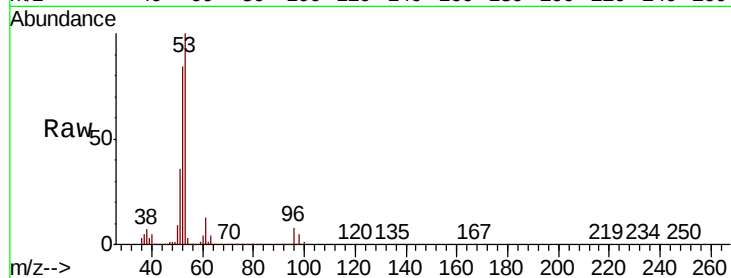
#15
 Acrylonitrile
 Concen: 281.049 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	53	Resp	548079
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.0	99.0
51	36.4	28.0	42.0

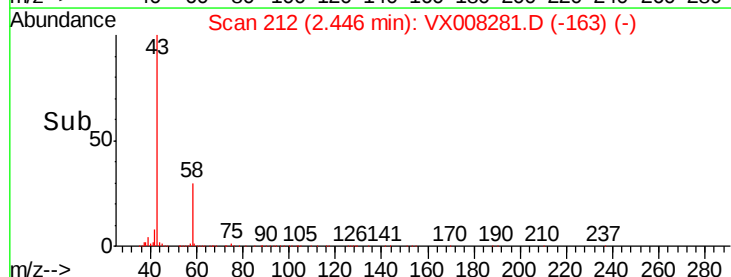
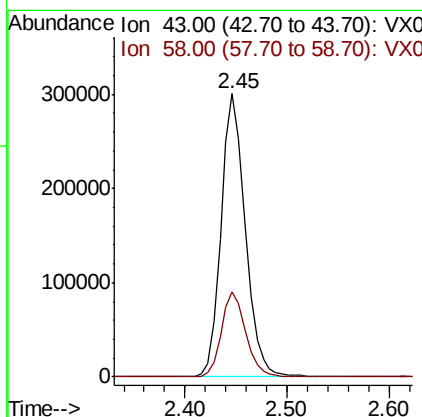
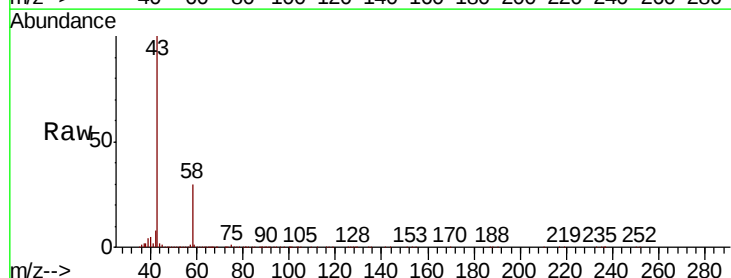
Manual Integrations
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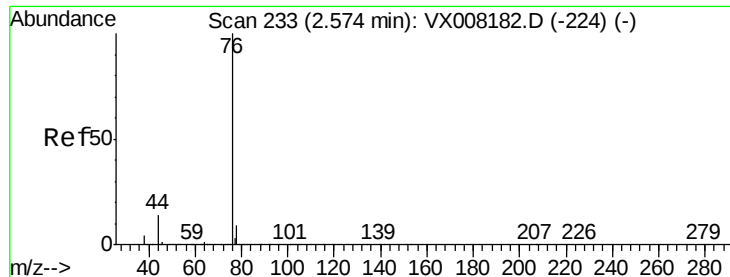
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#16
 Acetone
 Concen: 252.217 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Tgt Ion	43	Resp	492664
Ion	Ratio	Lower	Upper
43	100		
58	30.0	25.5	38.3





#17

Carbon Disulfide

Concen: 52.733 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 477930

Ion Ratio Lower Upper

76 100

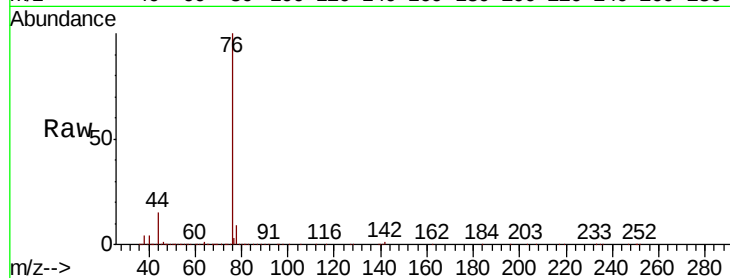
78 9.3 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300000

250000

200000

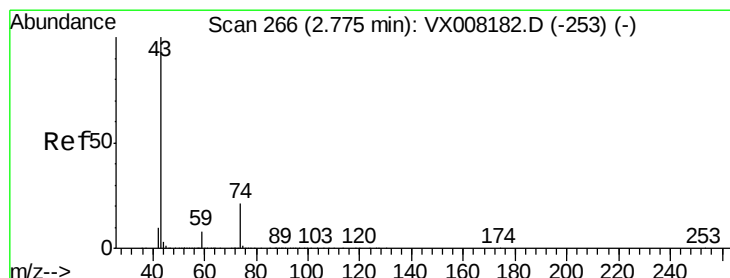
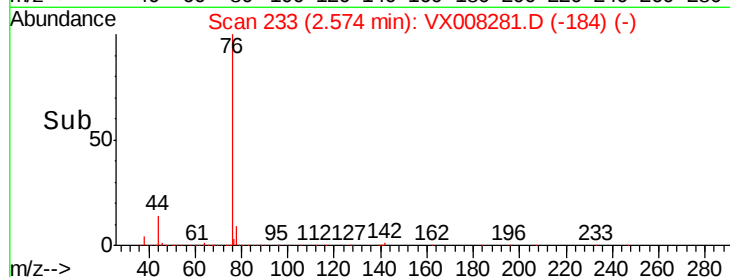
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 60.891 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008281.D

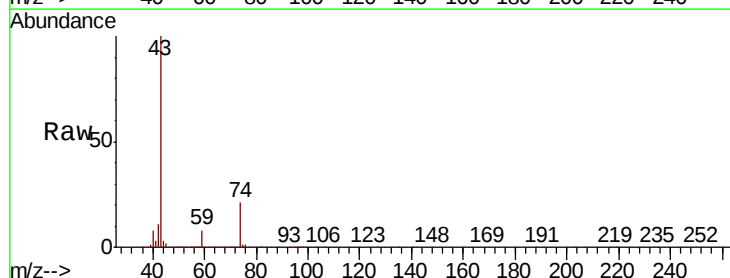
Acq: 21 Mar 2019 08:15

Tgt Ion: 43 Resp: 275357

Ion Ratio Lower Upper

43 100

74 21.7 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

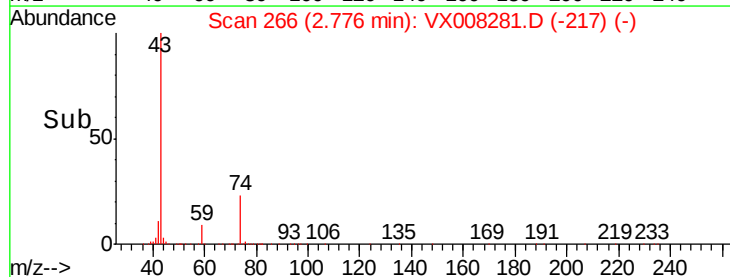
150000

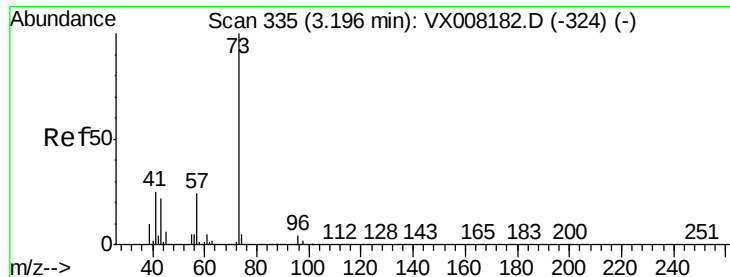
100000

50000

0

Time-->





#19

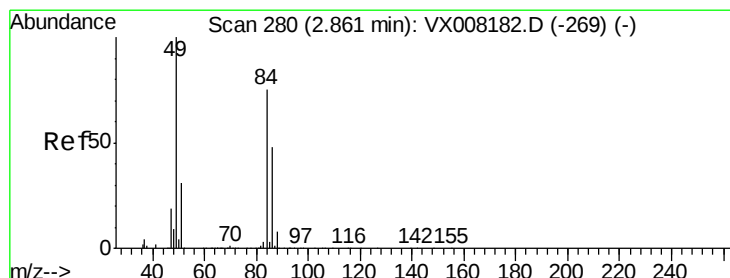
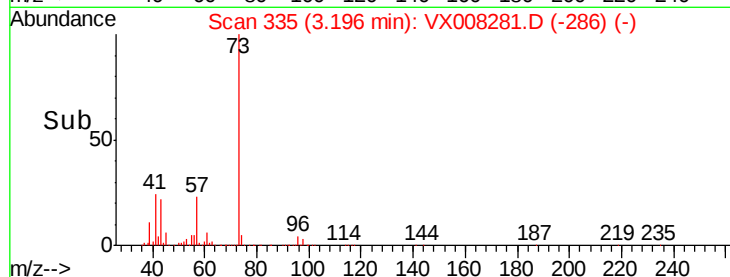
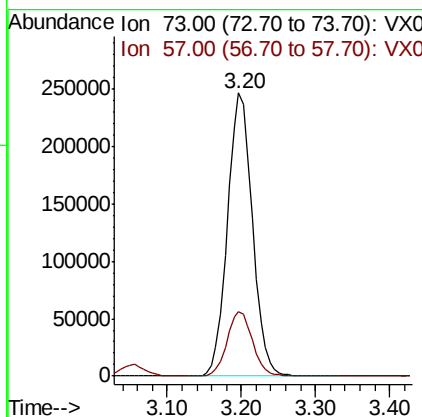
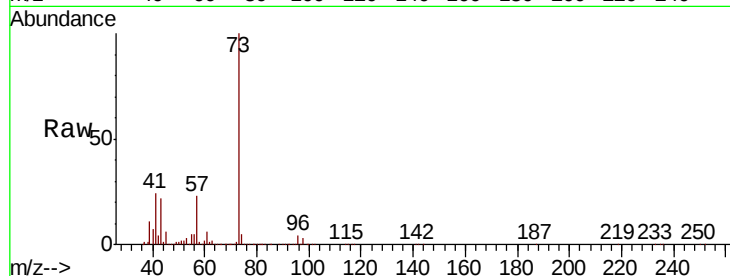
Methyl tert-butyl Ether
 Concen: 57.552 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.2	27.4

Manual Integrations
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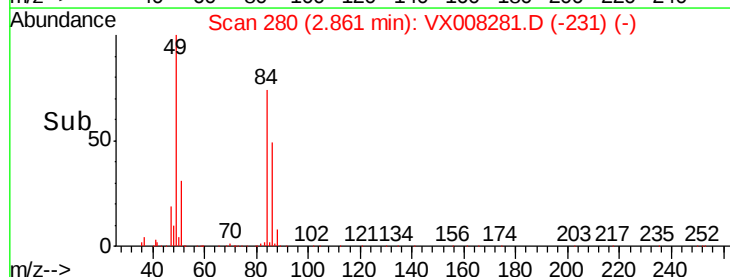
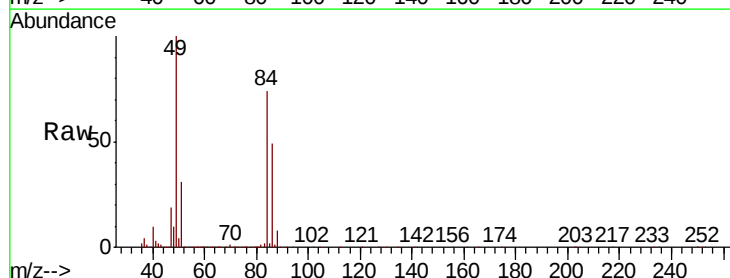
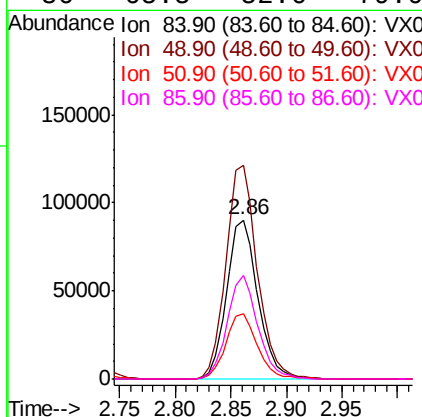
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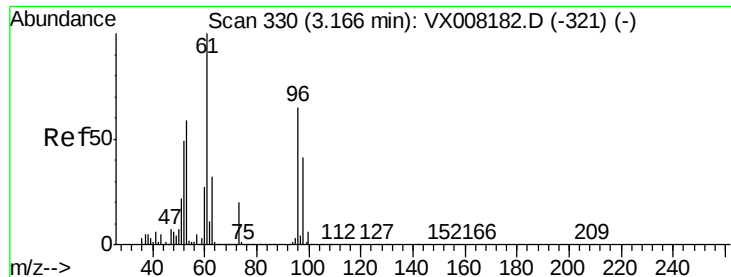


#20

Methylene Chloride
 Concen: 53.897 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.3	99.3	148.9
51	40.9	31.3	46.9
86	65.5	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 54.308 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 162786

Ion Ratio Lower Upper

96 100

61 152.3 114.4 171.6

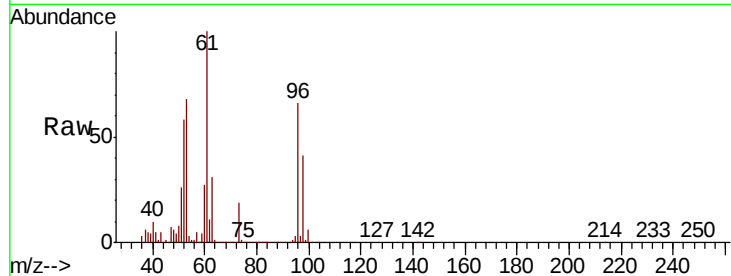
98 63.0 51.1 76.7

Manual Integrations

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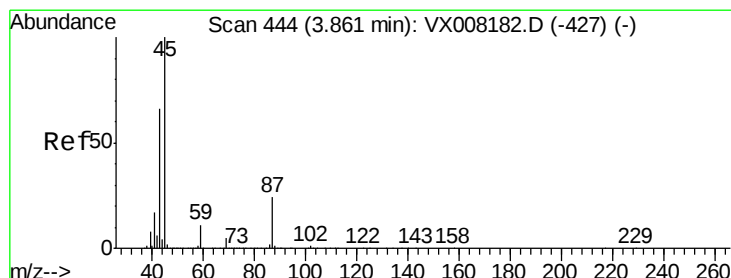
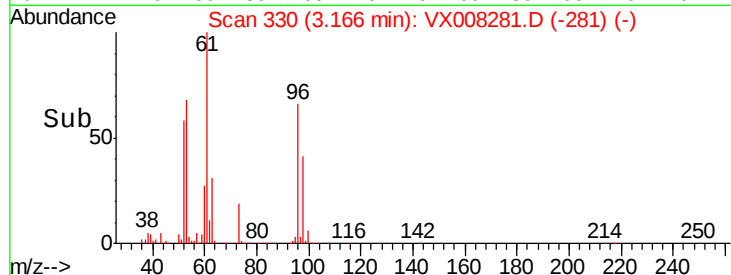
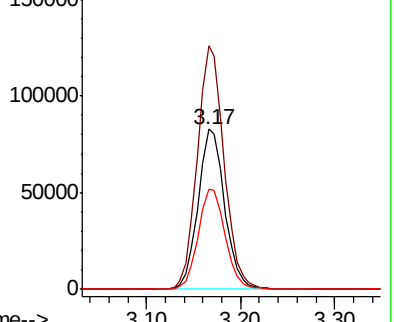
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 56.436 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Tgt Ion: 45 Resp: 667606

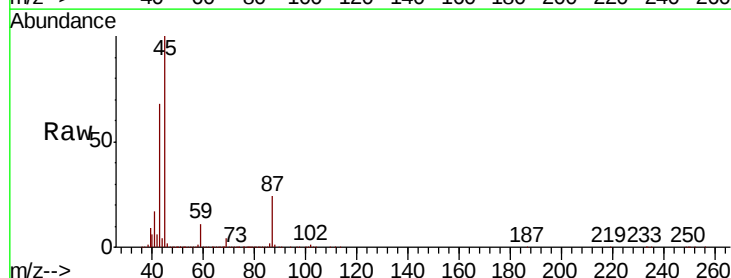
Ion Ratio Lower Upper

45 100

43 67.4 45.3 67.9

87 24.3 21.4 32.0

59 11.4 9.5 14.3

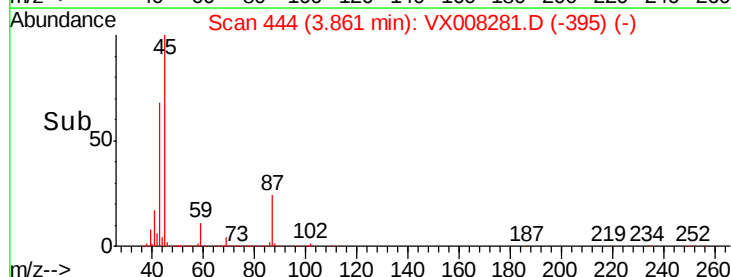
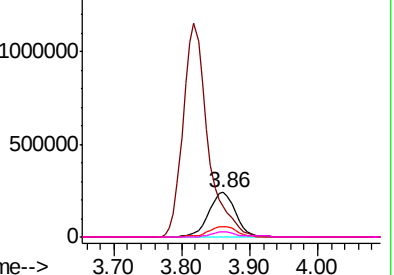


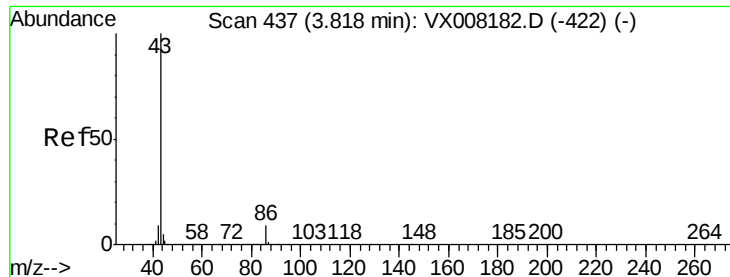
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 288.269 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Tot Ion: 43 Resp: 2923600

Ion Ratio Lower Upper

43 100

86 9.1 7.9 11.9

Instrument :

MSVOA_X

ClientSampleId :

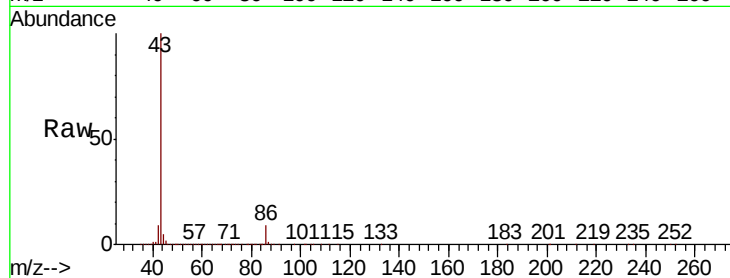
VSTDCCC050EC

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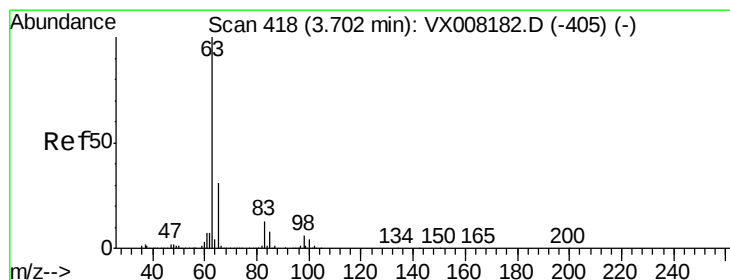
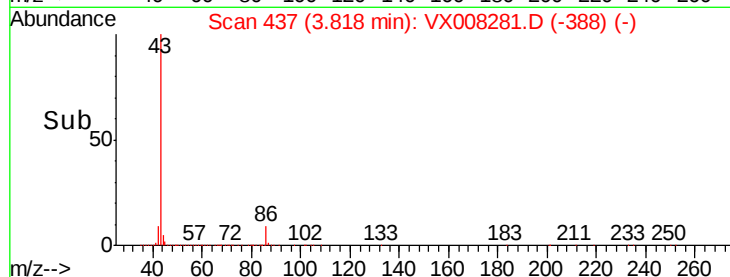
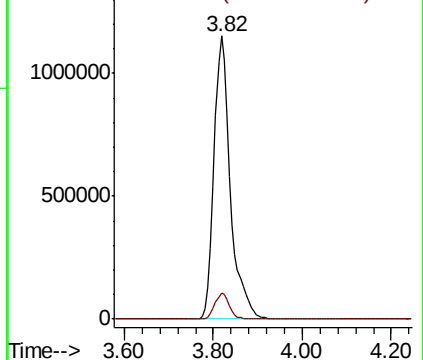
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 56.456 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

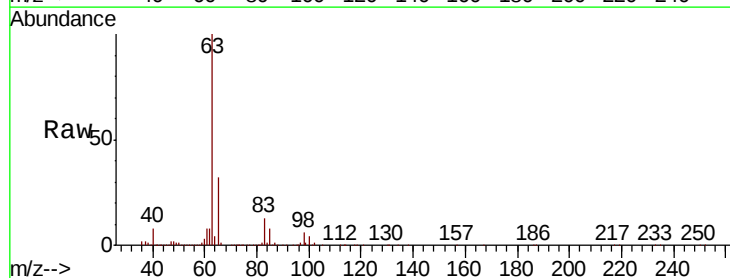
Tgt Ion: 63 Resp: 343484

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

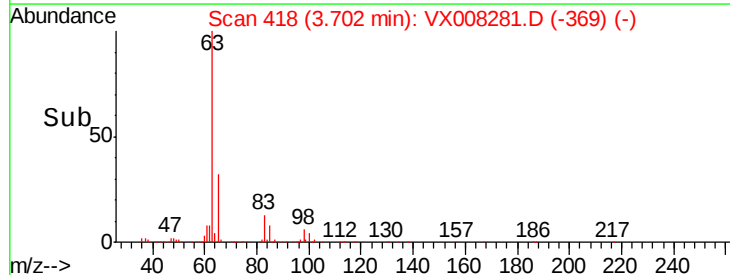
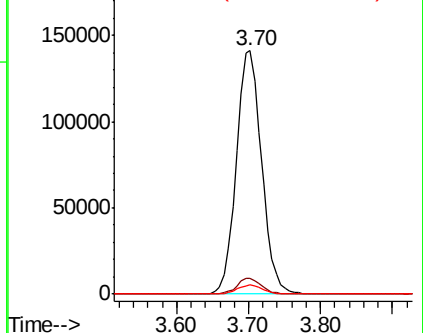
100 4.0 2.3 6.8

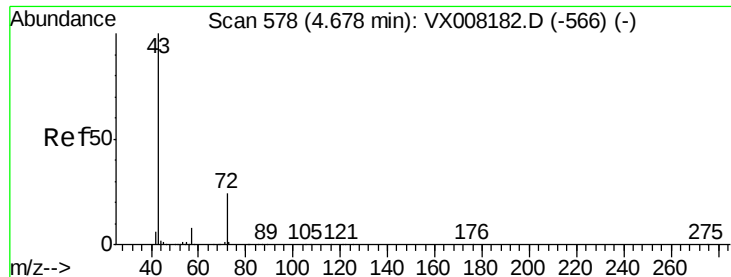


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 280.846 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 809789

Ion Ratio Lower Upper

43 100

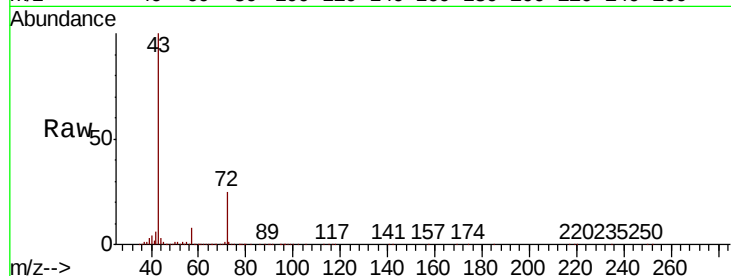
72 24.6 19.9 29.9

Manual Integrations

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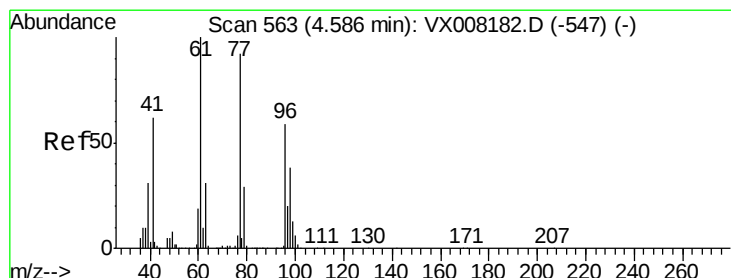
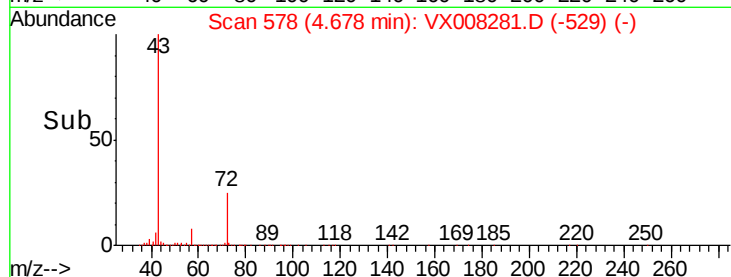
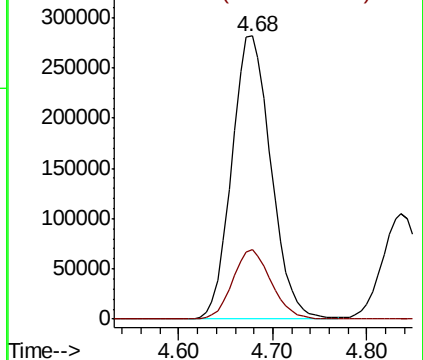
MMDadoda

3/22/2019 2:51:11 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 34.708 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008281.D

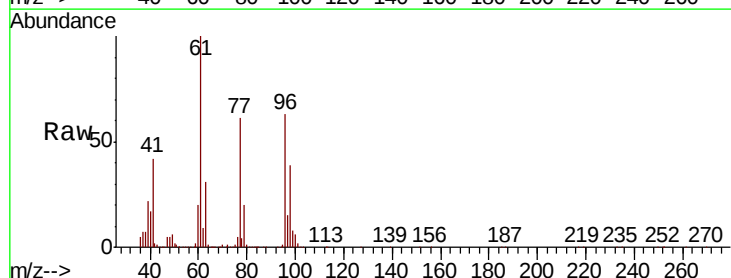
Acq: 21 Mar 2019 08:15

Tgt Ion: 77 Resp: 159079

Ion Ratio Lower Upper

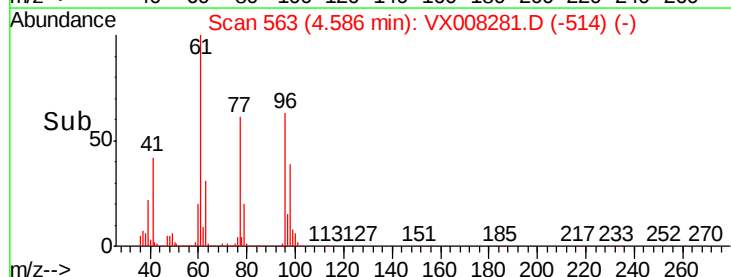
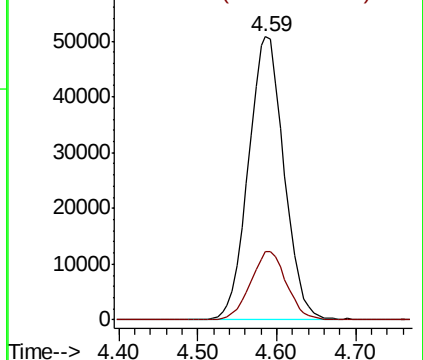
77 100

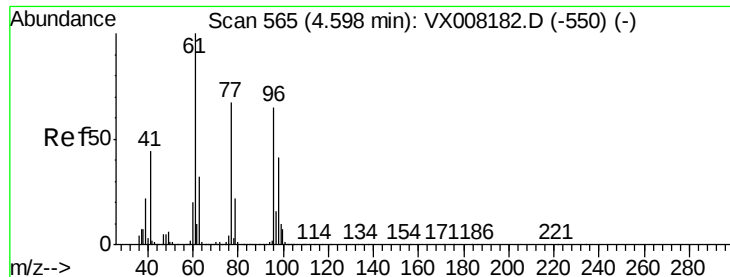
97 24.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

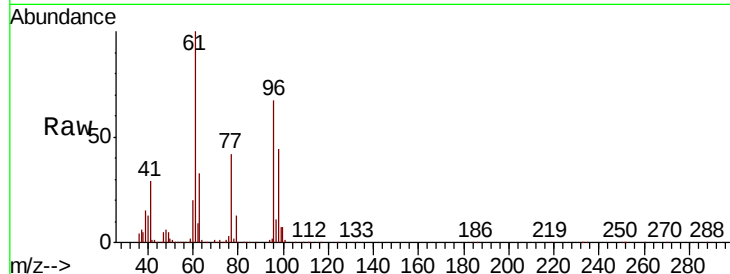
cis-1,2-Dichloroethene
Concen: 55.204 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

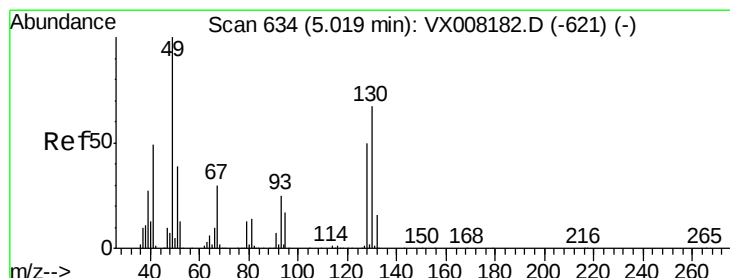
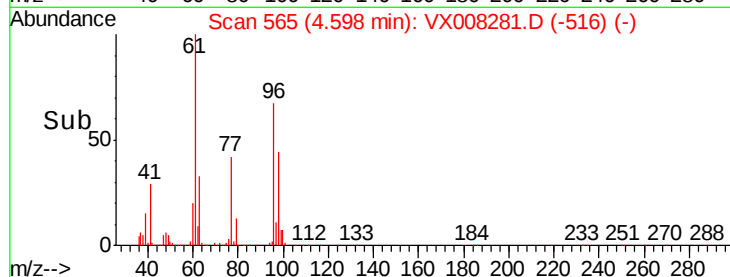
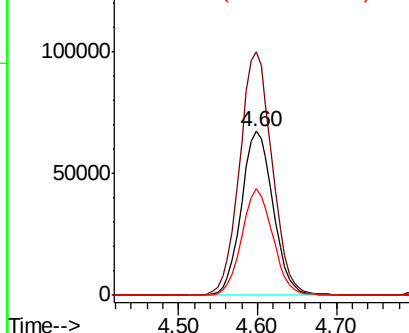
Tot Ion	Ratio	Resp	Lower	Upper
96	100	188634		
61	152.8	0.0	288.0	
98	63.7	0.0	129.0	

Manual Integrations
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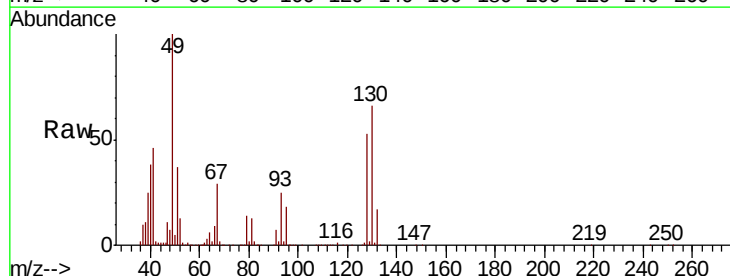
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



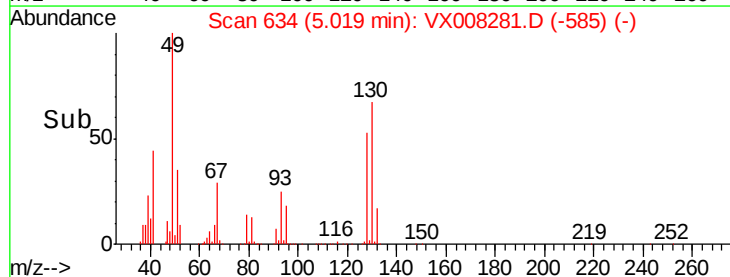
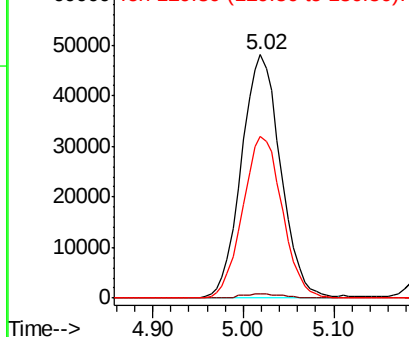
#28

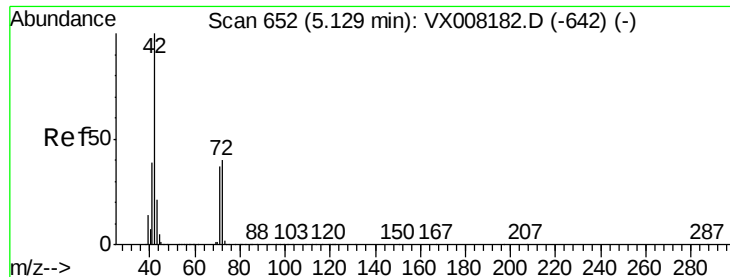
Bromochloromethane
Concen: 52.716 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	144019		
129	1.9	0.0	4.0	
130	67.1	65.0	97.4	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





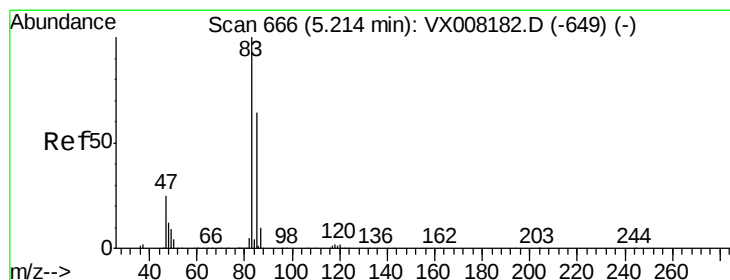
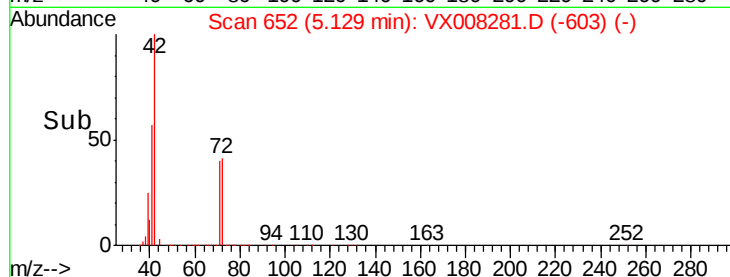
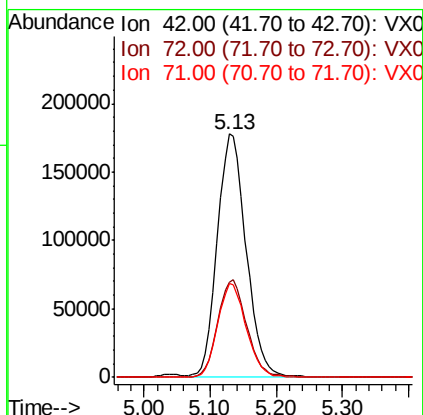
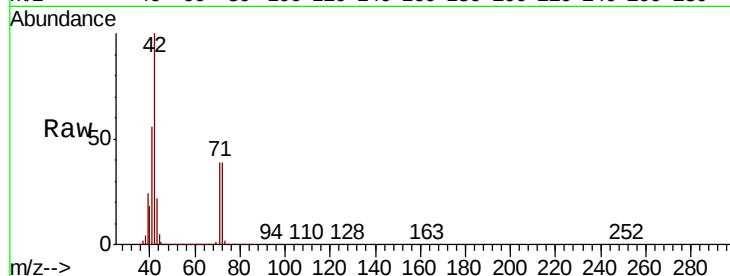
#29
Tetrahydrofuran
Concen: 296.708 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	33.8	50.6
71	38.4	31.5	47.3

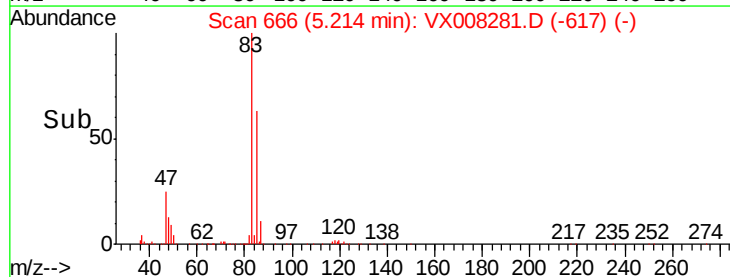
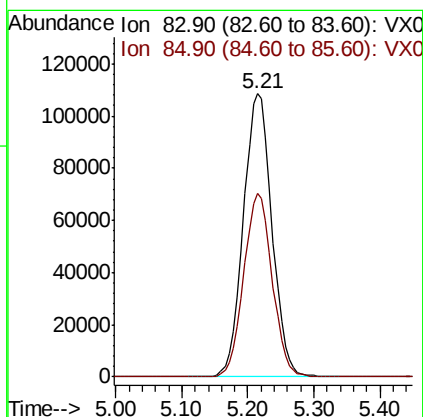
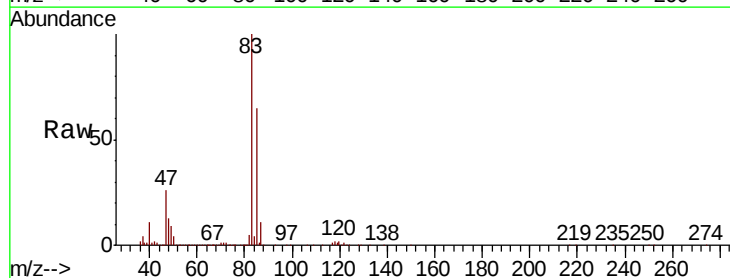
Manual Integrations
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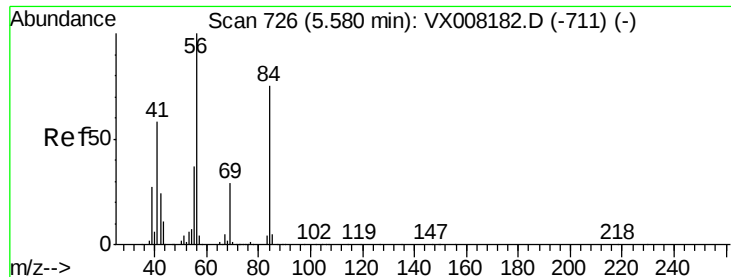
MMDadoda
3/22/2019 2:51:11 PM



#30
Chloroform
Concen: 57.299 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.6





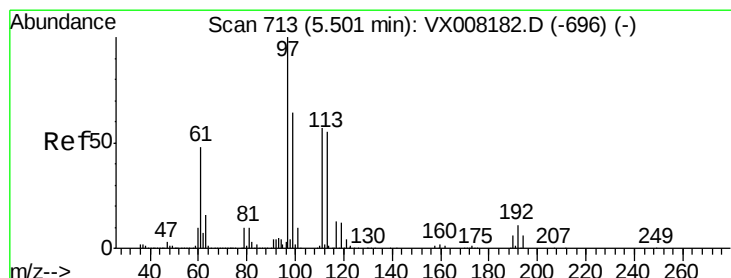
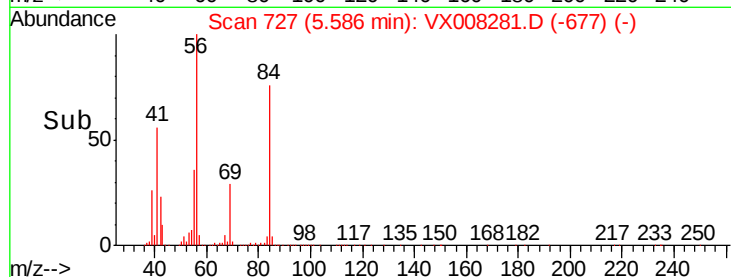
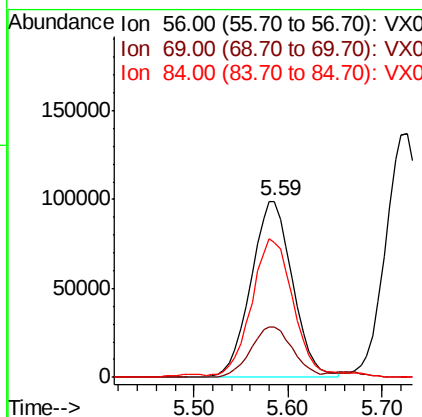
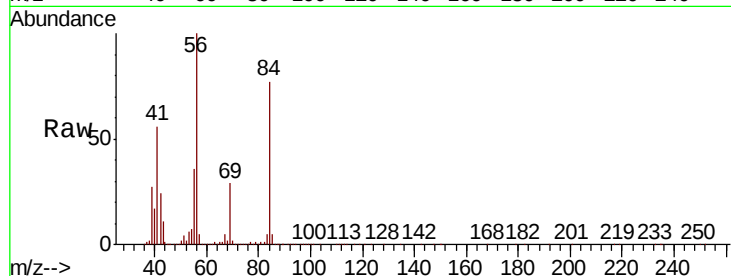
#31
Cyclohexane
Concen: 53.460 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.0	36.0
84	75.2	65.3	97.9

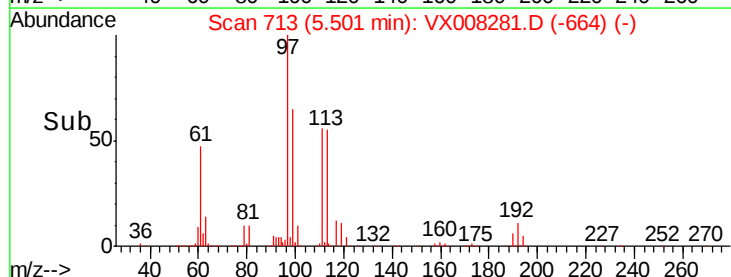
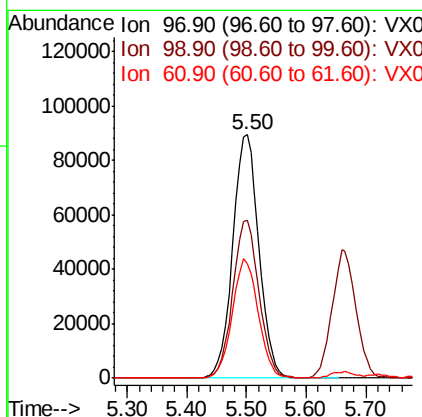
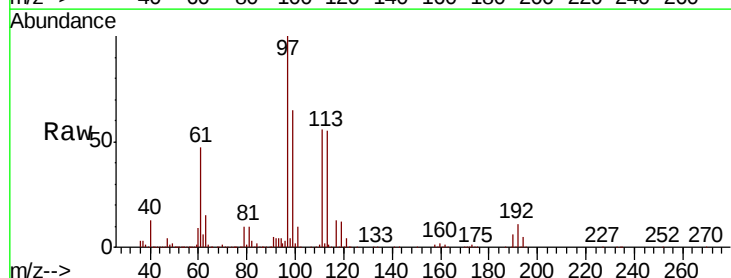
Manual Integrations
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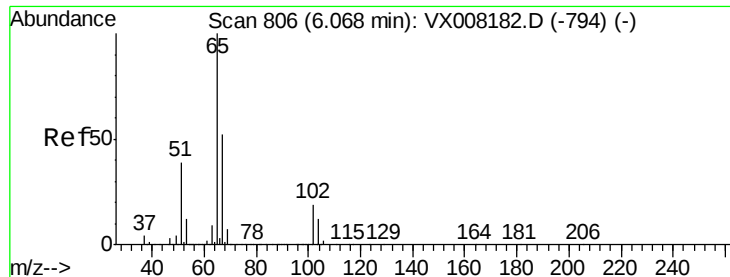
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#32
1,1,1-Trichloroethane
Concen: 57.611 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.2	78.2
61	48.4	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 51.954 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 178931

Ion Ratio Lower Upper

65 100

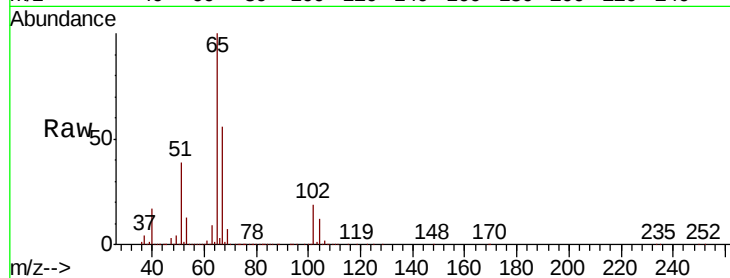
67 53.2 0.0 110.0

Manual Integrations

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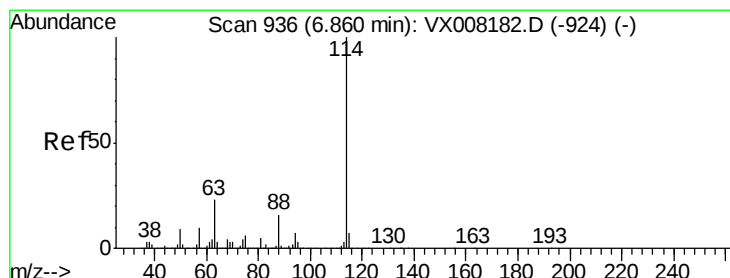
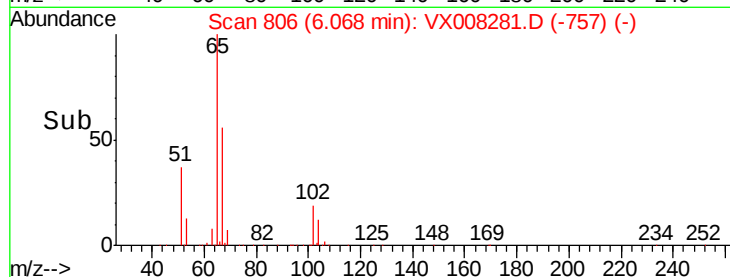
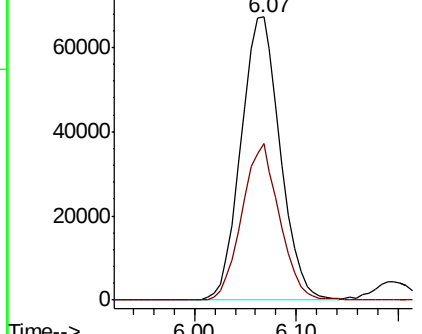
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

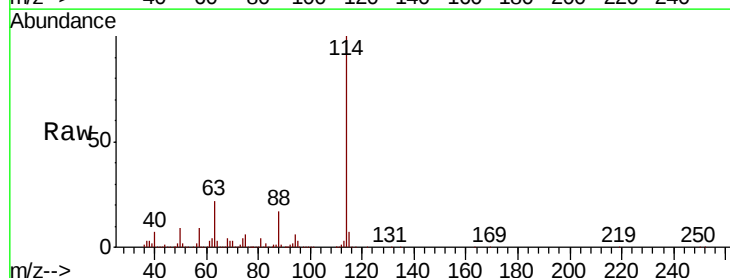
Tgt Ion: 114 Resp: 397026

Ion Ratio Lower Upper

114 100

63 22.4 0.0 39.8

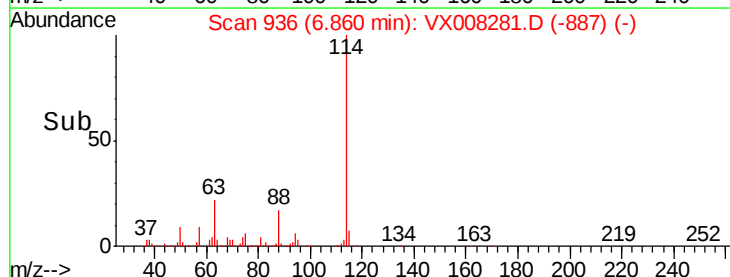
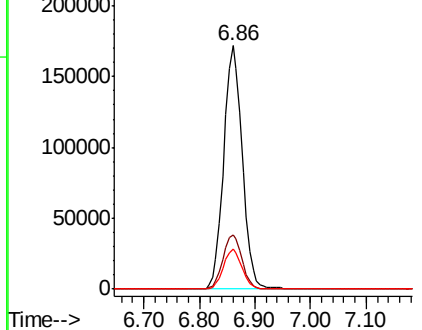
88 16.6 0.0 31.4

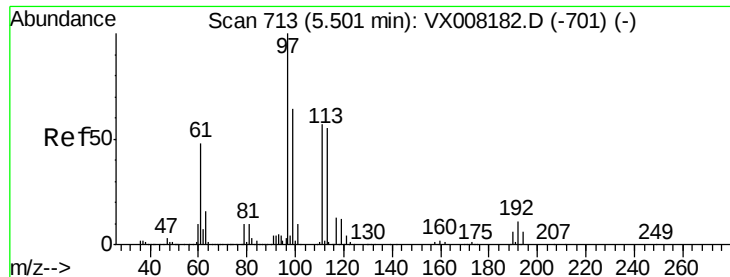


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





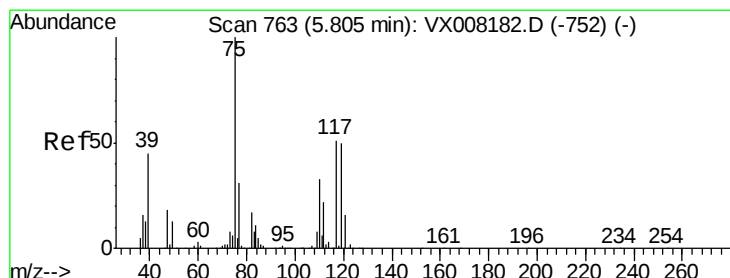
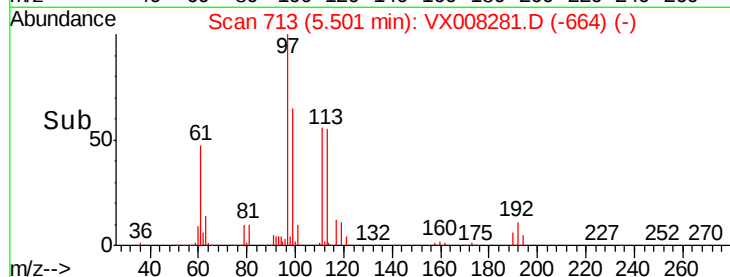
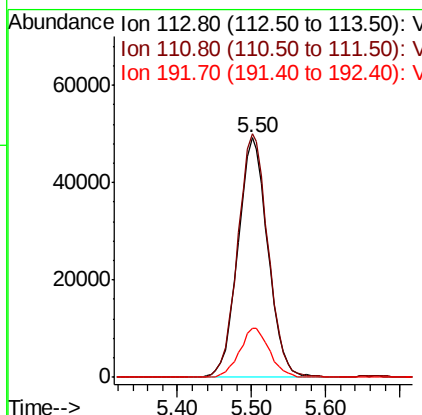
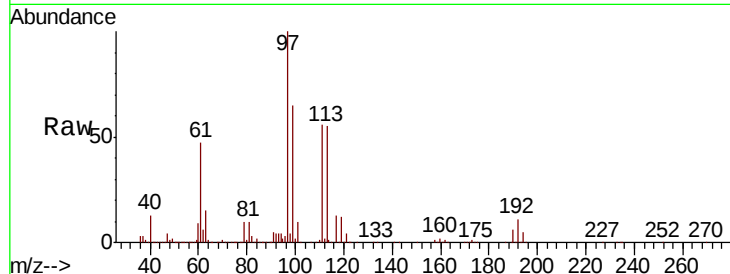
#35
 Dibromofluoromethane
 Concen: 52.093 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138454		
111	103.1	81.4	122.0	
192	20.6	19.4	29.0	

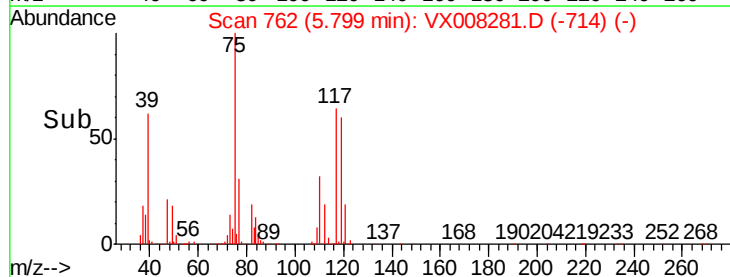
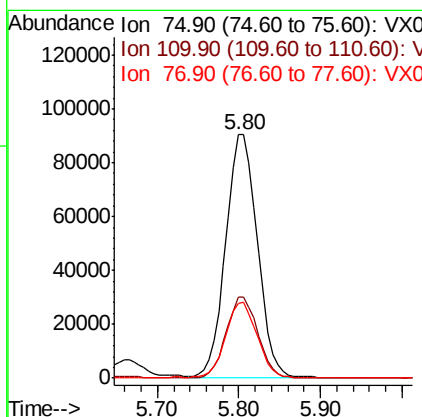
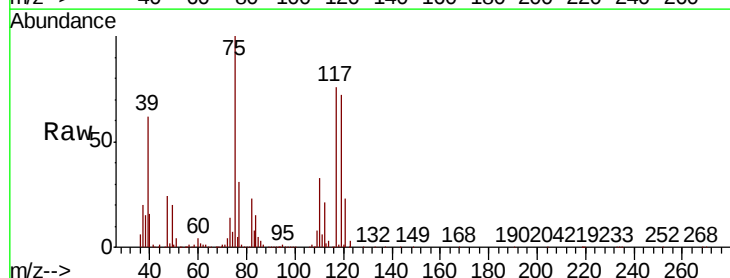
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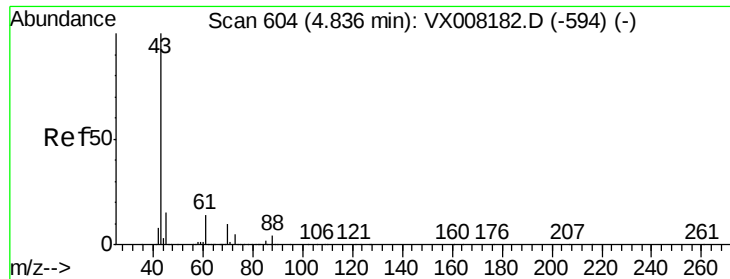
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#36
 1,1-Dichloropropene
 Concen: 52.421 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	242313		
110	33.5	18.4	55.0	
77	30.7	25.0	37.4	





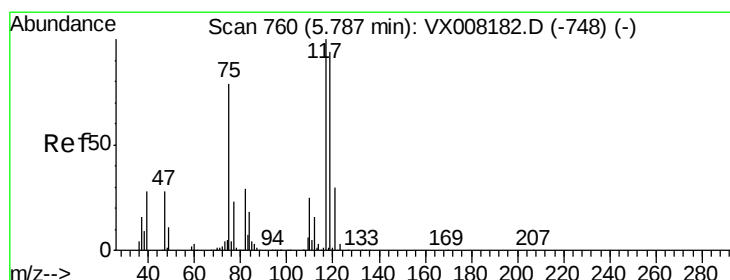
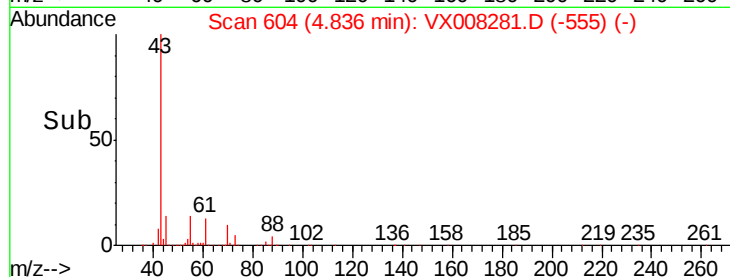
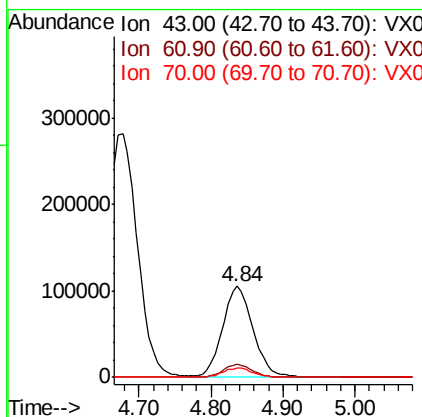
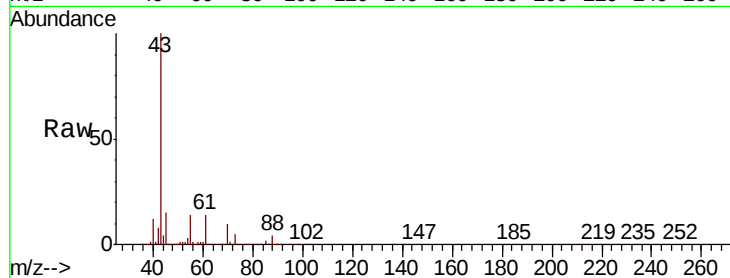
#37
Ethyl Acetate
Concen: 56.623 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	309398
Ion Ratio	Lower	Upper	
43	100		
61	13.3	11.3	16.9
70	10.0	8.5	12.7

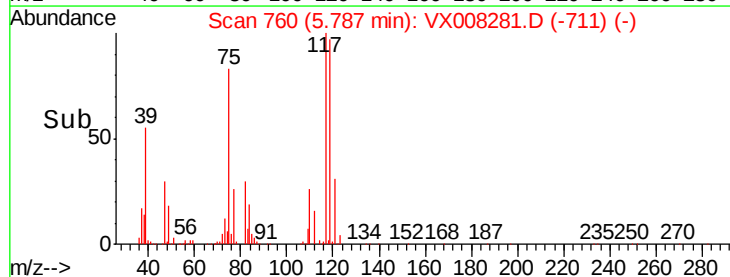
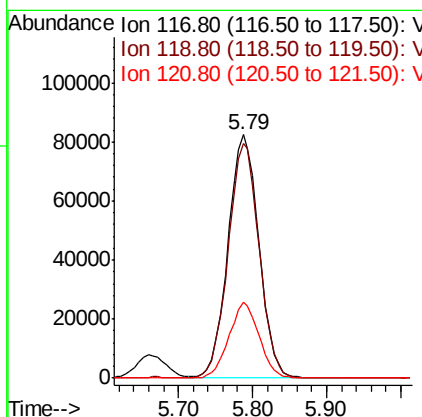
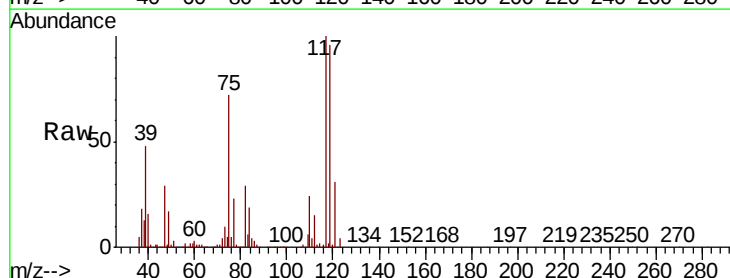
Manual Integrations
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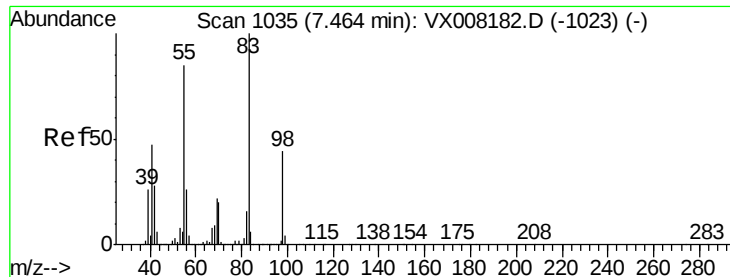
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#38
Carbon Tetrachloride
Concen: 58.185 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	117	Resp	239639
Ion Ratio	Lower	Upper	
117	100		
119	96.2	76.2	114.2
121	31.2	24.6	36.8





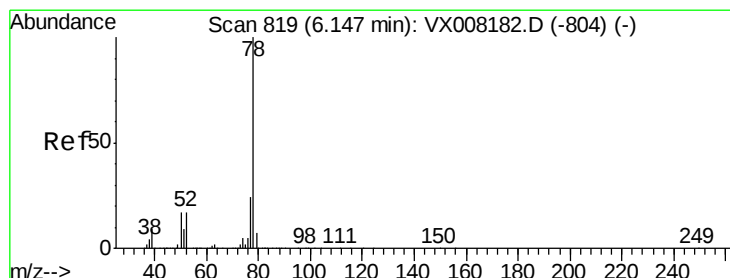
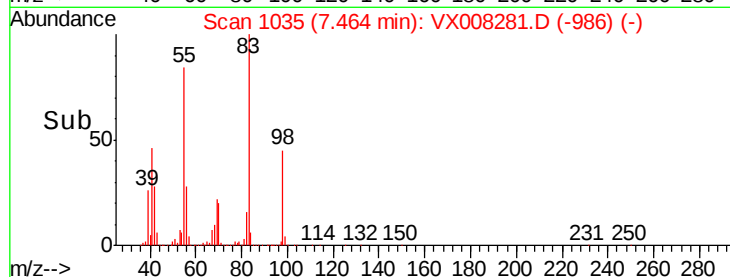
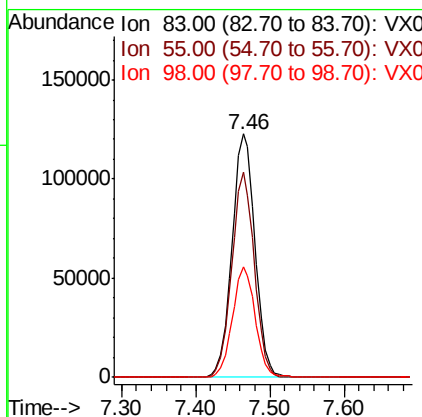
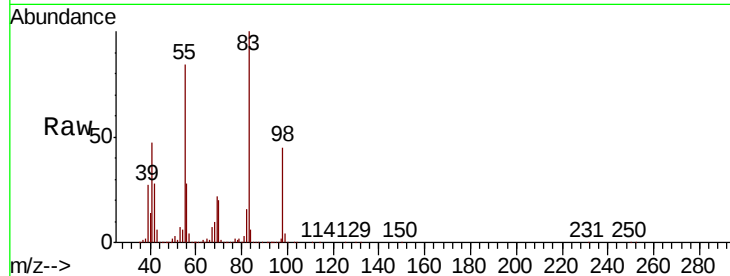
#39
Methvlcvclohexane
Concen: 47.790 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.0	60.4	90.6
98	45.2	36.5	54.7

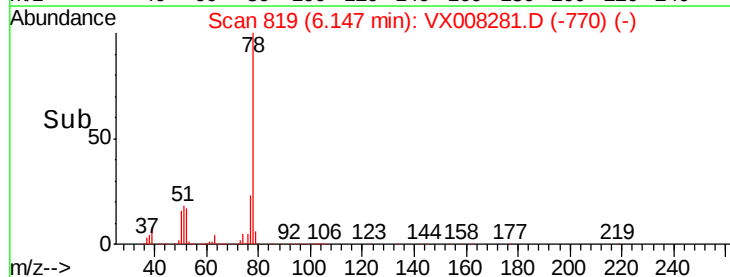
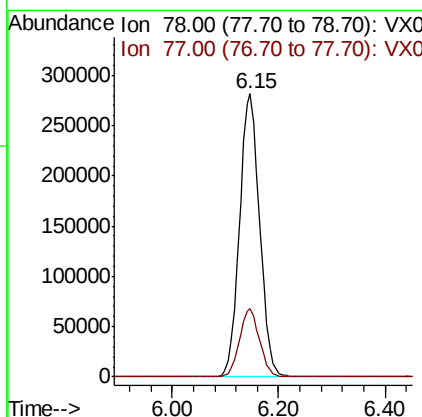
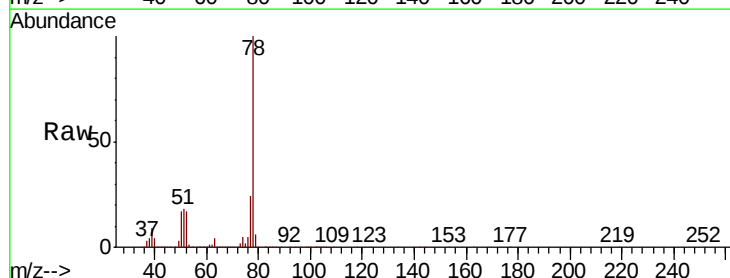
Manual Integrations
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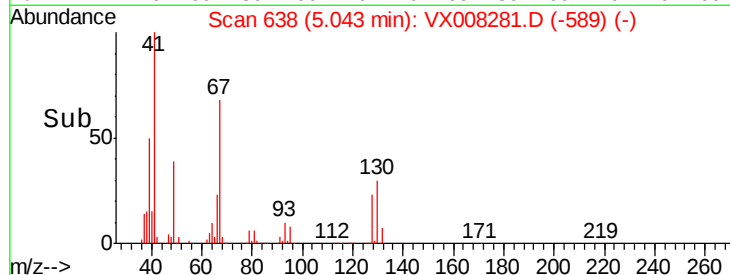
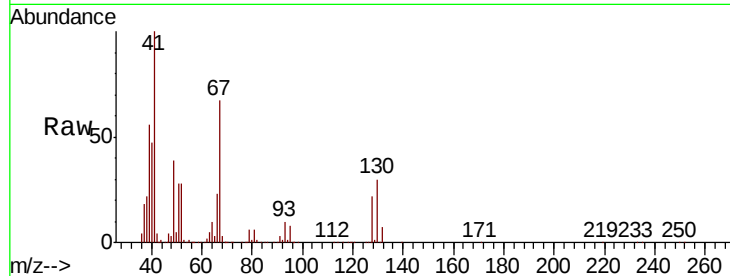
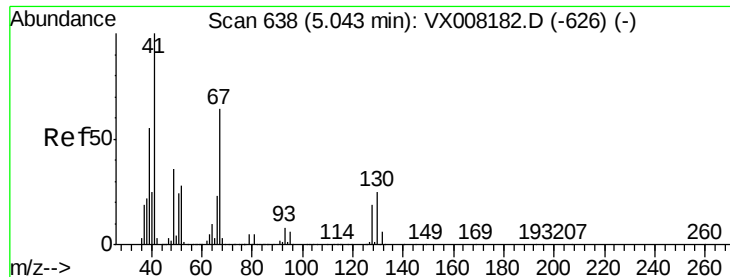
MMDadoda
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#40
Benzene
Concen: 53.776 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





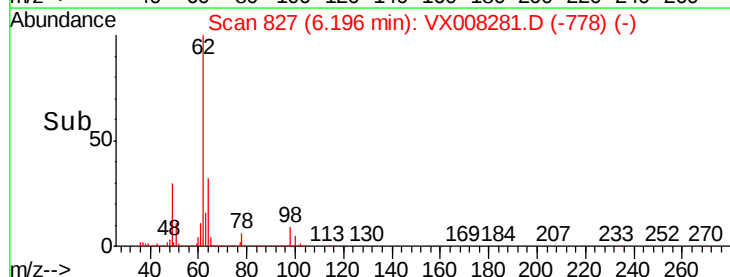
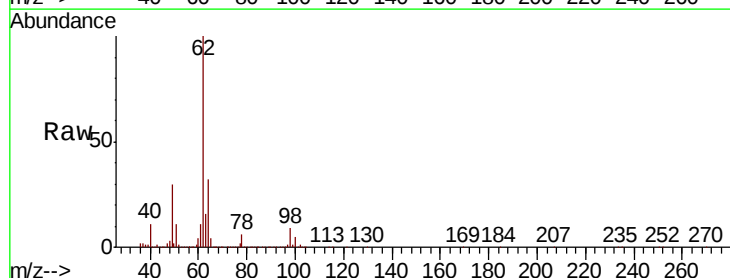
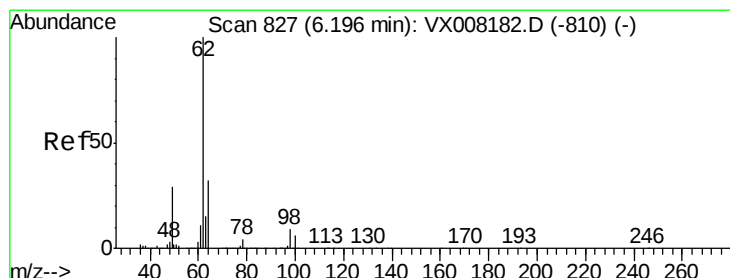
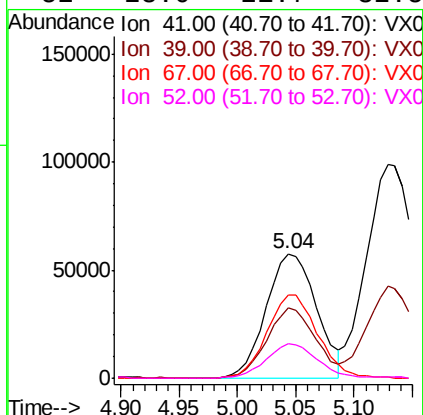
#41
Methacrylonitrile
Concen: 56.089 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	54.3	41.6	62.4
67	67	68.0	55.8	83.6
52	52	28.0	21.7	32.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

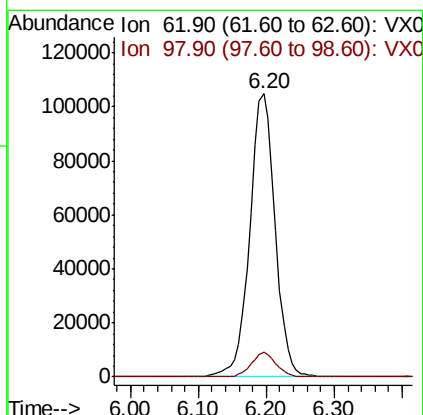
Manual Integrations
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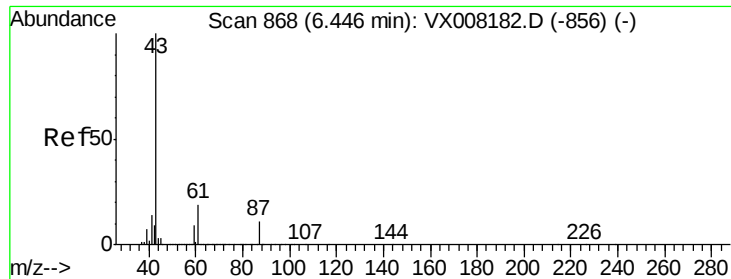
MMDadoda
3/22/2019 2:51:11 PM



#42
1,2-Dichloroethane
Concen: 54.310 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	8.5	0.0	20.4





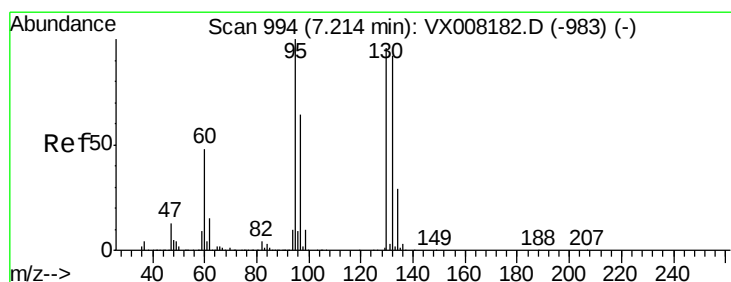
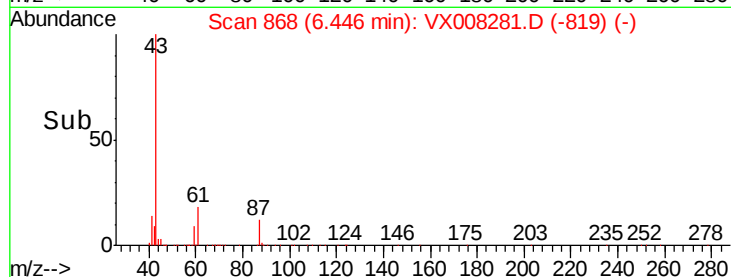
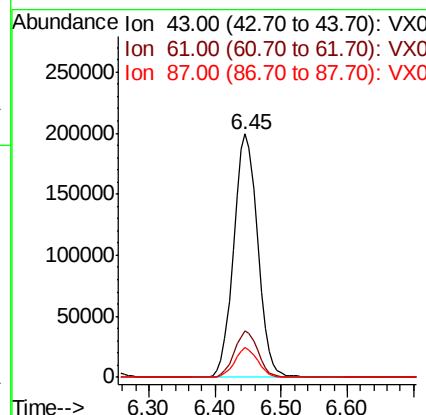
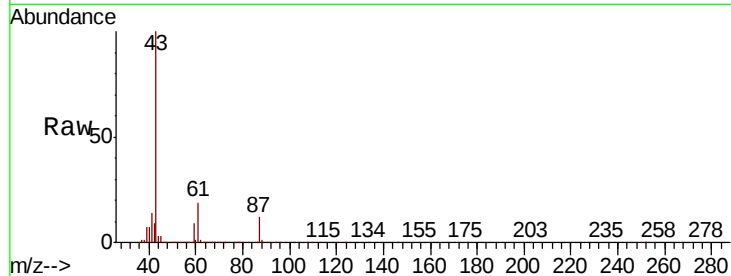
#43
Isopropyl Acetate
Concen: 57.154 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	16.3	24.5
87	11.8	10.5	15.7

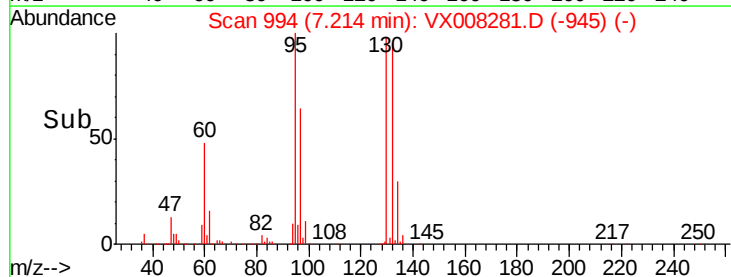
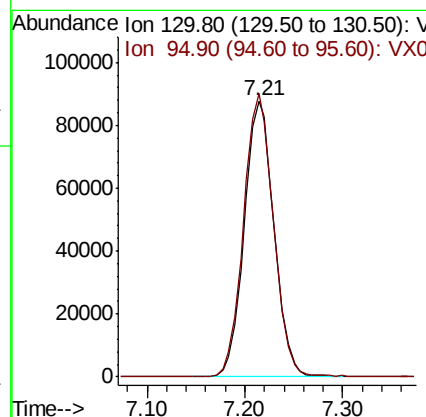
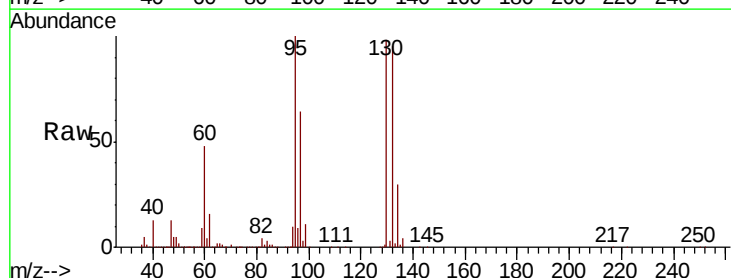
Manual Integrations
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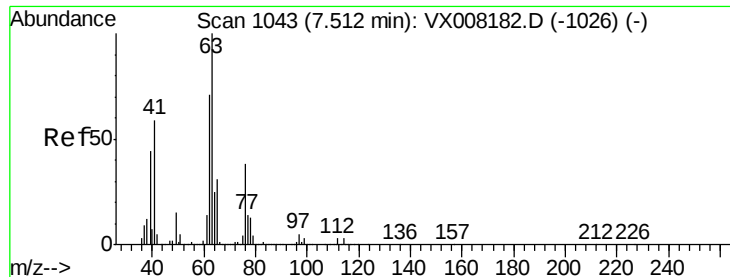
MMDadoda
3/22/2019 2:51:11 PM



#44
Trichloroethene
Concen: 55.207 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	188.0





#45

1,2-Dichloropropane

Concen: 53.855 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 206261

Ion Ratio Lower Upper

63 100

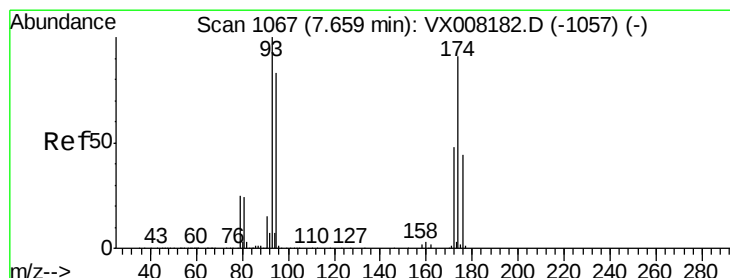
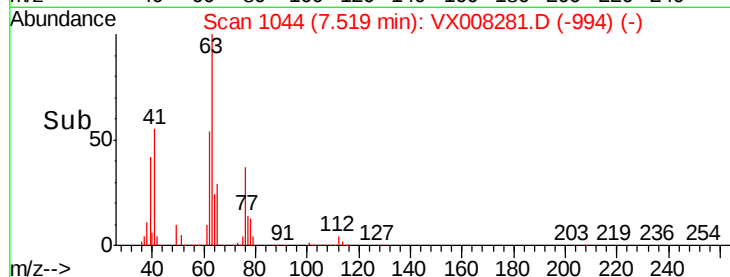
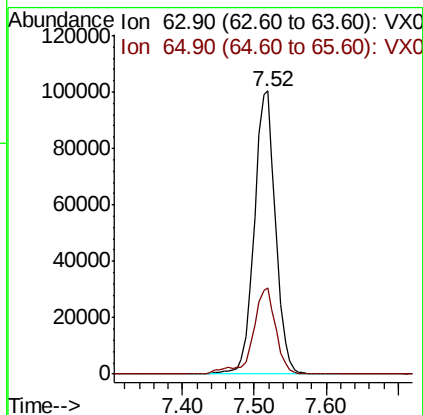
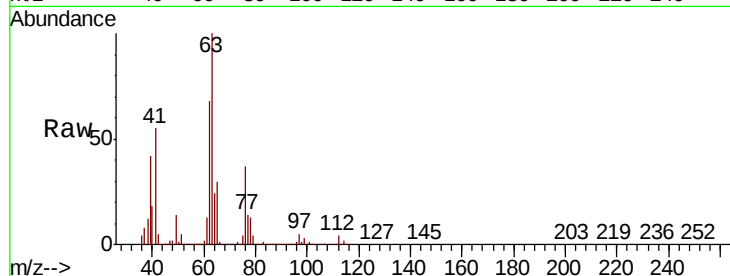
65 30.3 24.7 37.1

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#46

Dibromomethane

Concen: 54.752 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

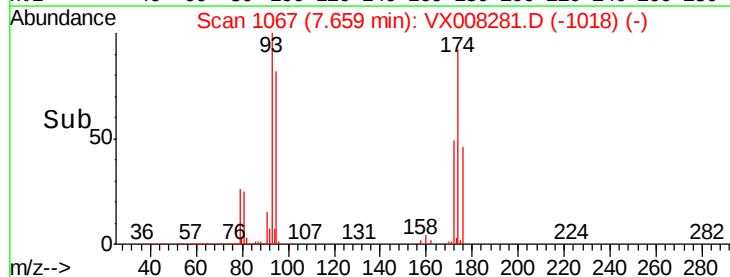
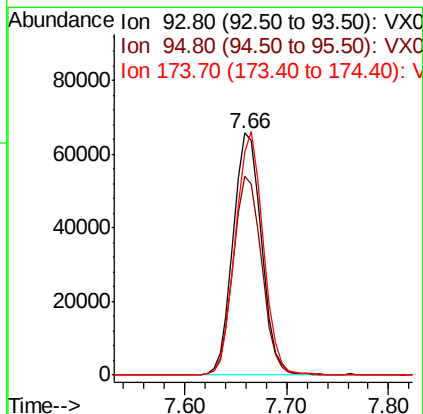
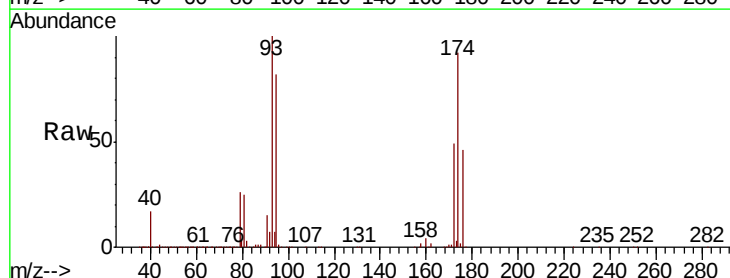
Tgt Ion: 93 Resp: 126966

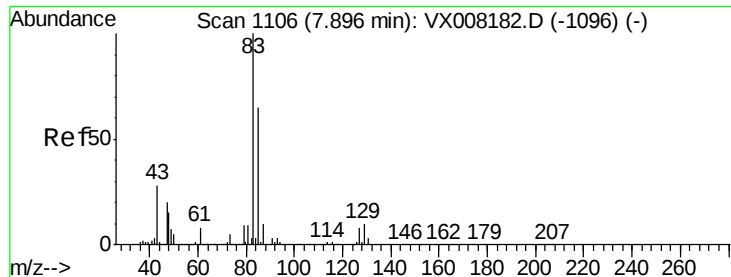
Ion Ratio Lower Upper

93 100

95 82.5 66.8 100.2

174 98.3 97.3 145.9





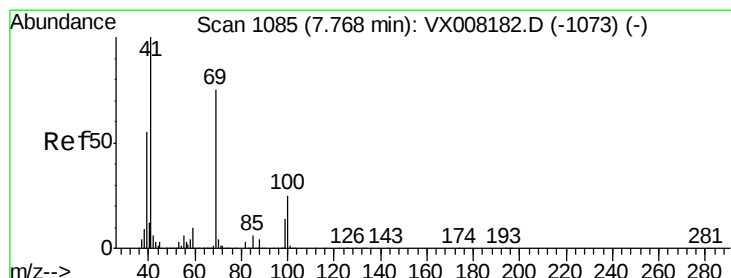
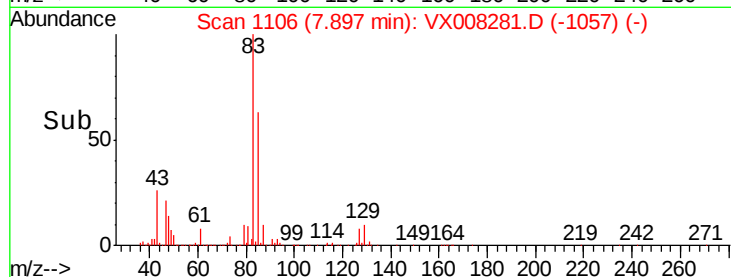
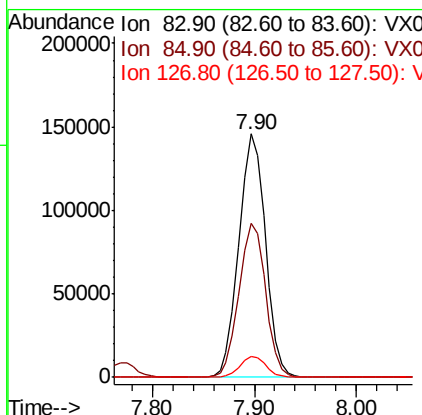
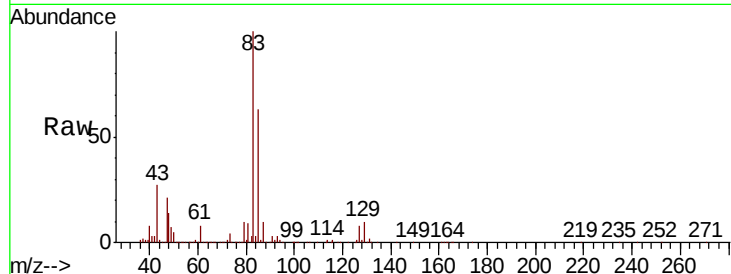
#47
 Bromodichloromethane
 Concen: 59.765 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.9	76.3
127	8.3	7.4	11.0

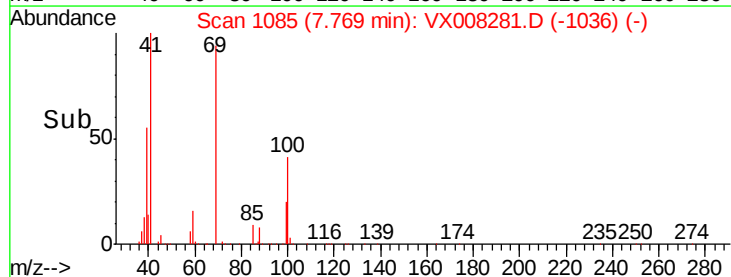
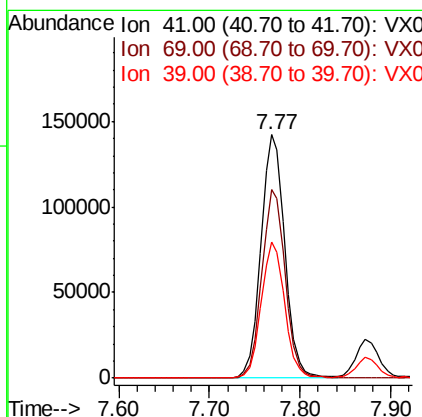
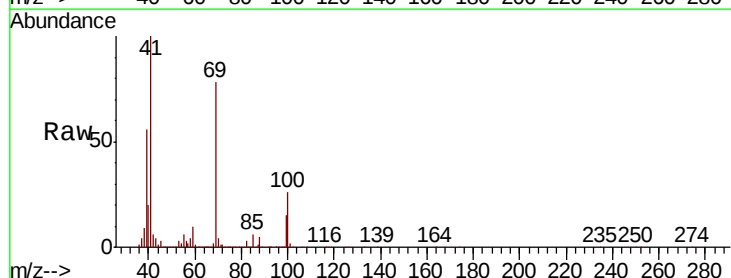
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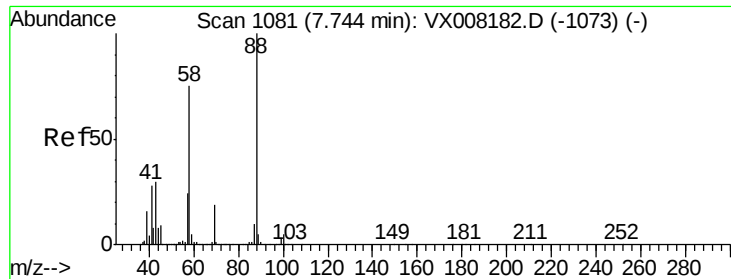
MMDadoda
 3/22/2019 2:51:11 PM



#48
 Methyl methacrylate
 Concen: 55.281 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.8	65.2	97.8
39	54.9	39.4	59.2





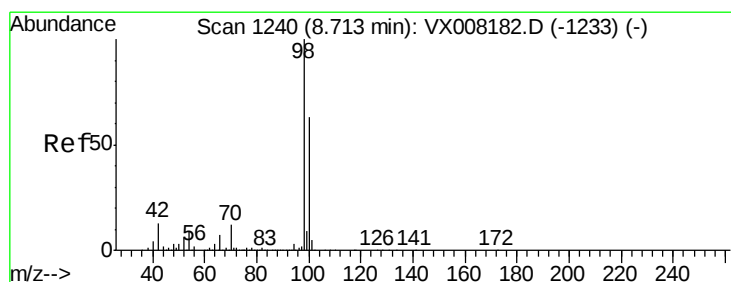
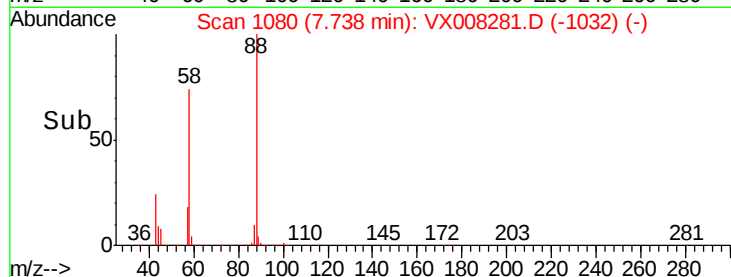
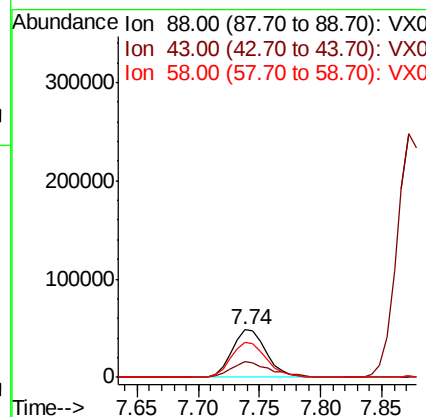
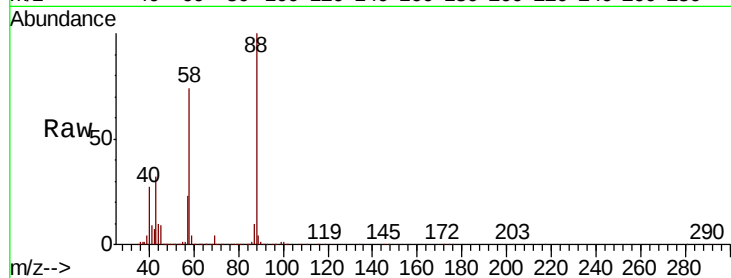
#49
 1,4-Dioxane
 Concen: 1144.770 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	25.1	37.7
58	77.1	57.8	86.6

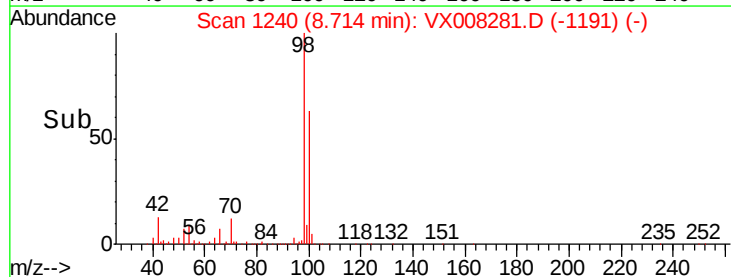
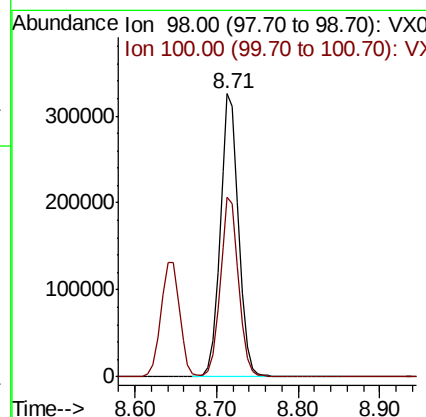
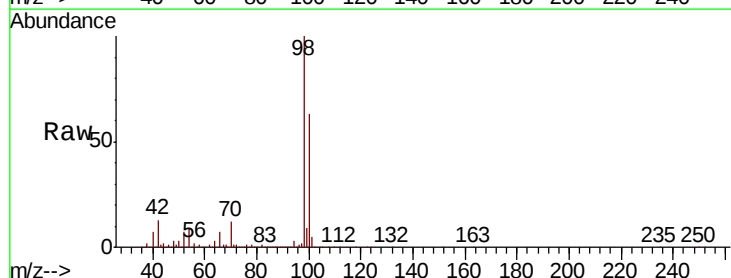
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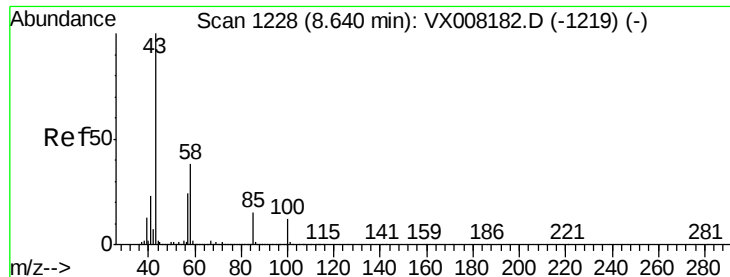
MMDadoda
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#50
 Toluene-d8
 Concen: 50.819 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 284.511 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1610985

Ion Ratio Lower Upper

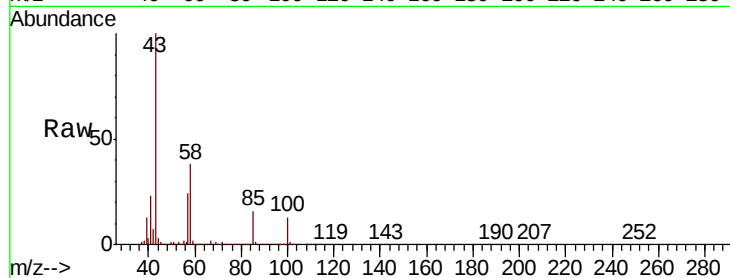
43 100

58 38.2 31.3 46.9

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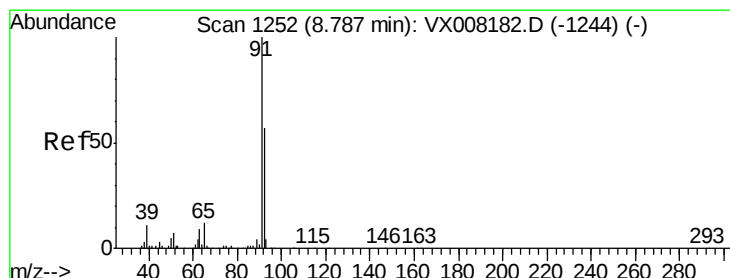
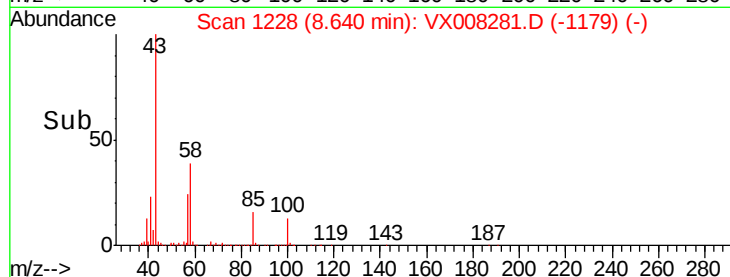
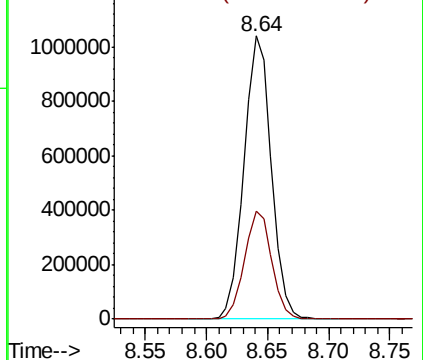
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.826 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008281.D

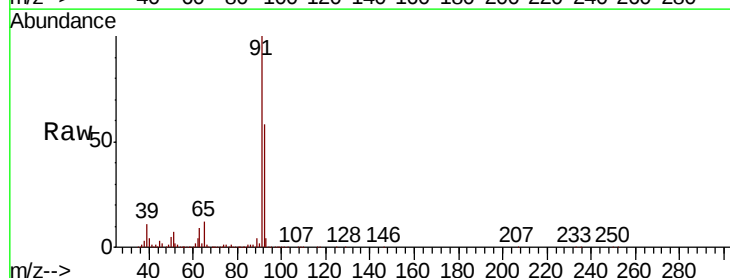
Acq: 21 Mar 2019 08:15

Tgt Ion: 92 Resp: 436885

Ion Ratio Lower Upper

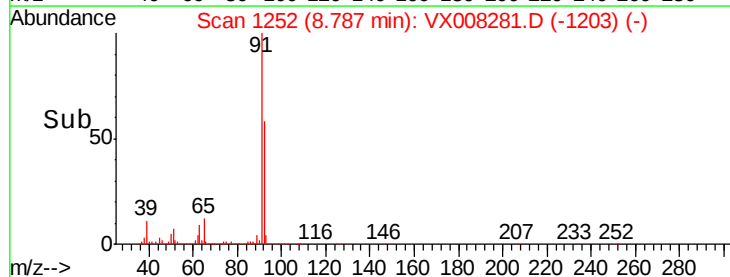
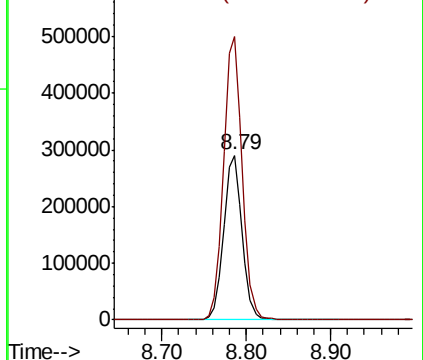
92 100

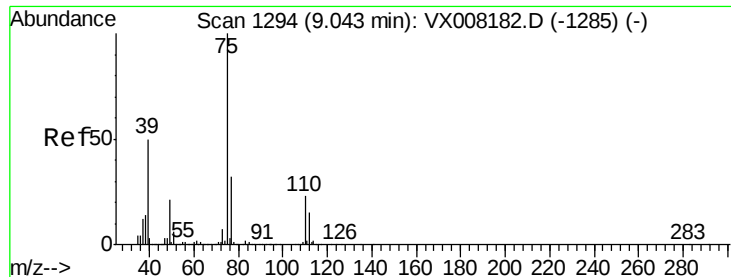
91 173.9 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 49.355 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 273052

Ion Ratio Lower Upper

75 100

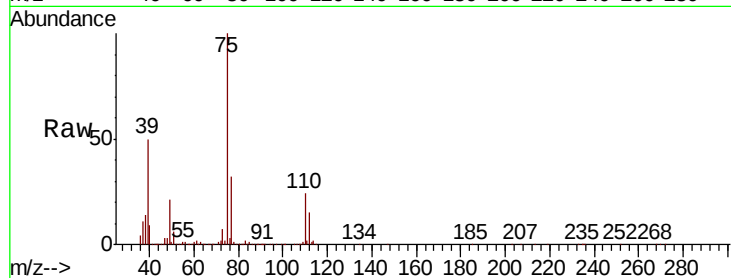
77 32.5 25.4 38.0

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

200000

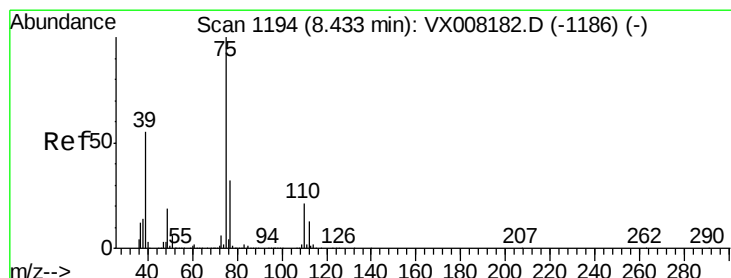
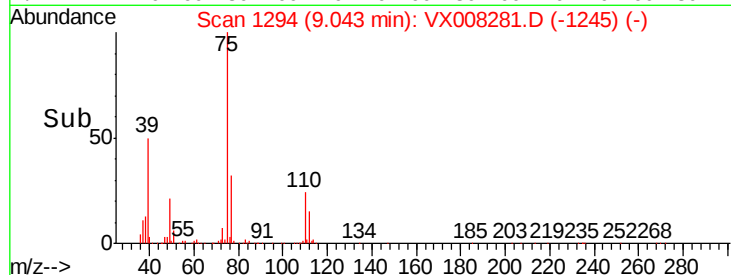
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.690 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

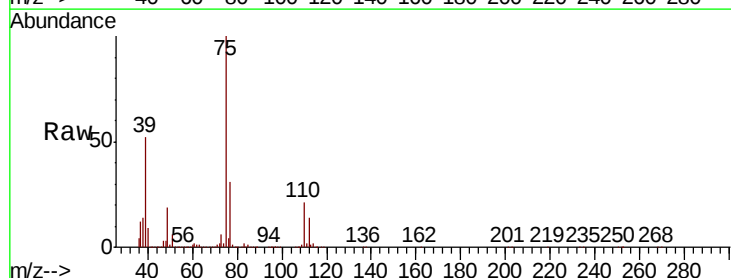
Tgt Ion: 75 Resp: 294470

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.6

39 52.3 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

250000

200000

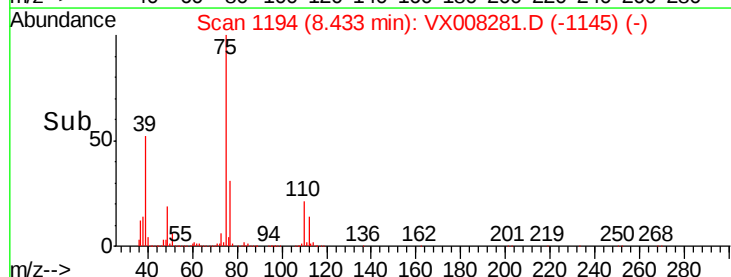
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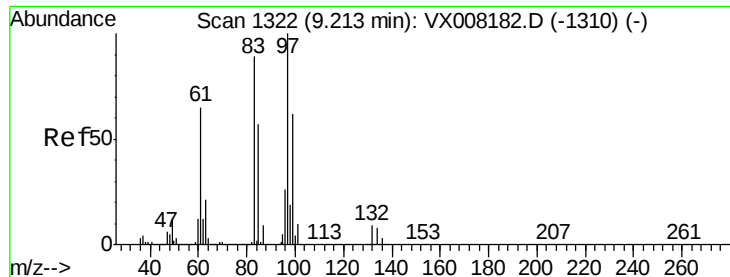
100000

50000

0

Time-->





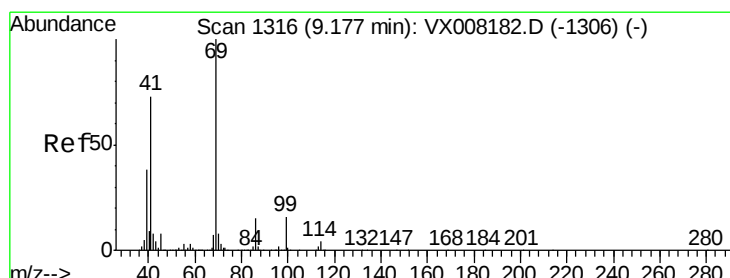
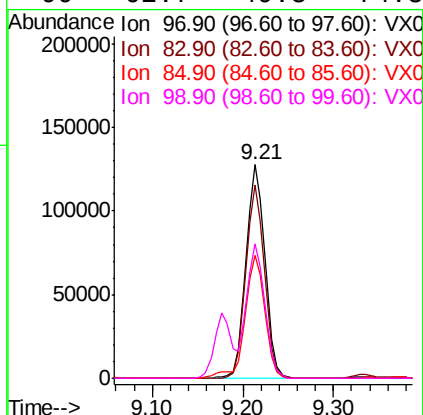
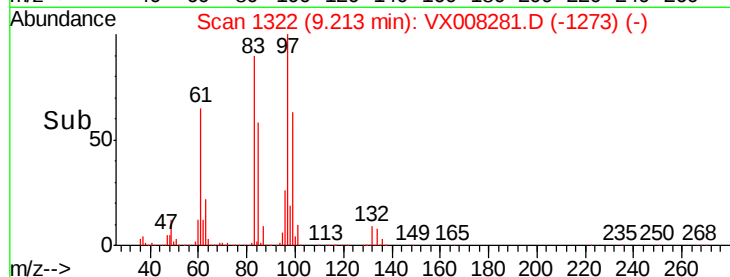
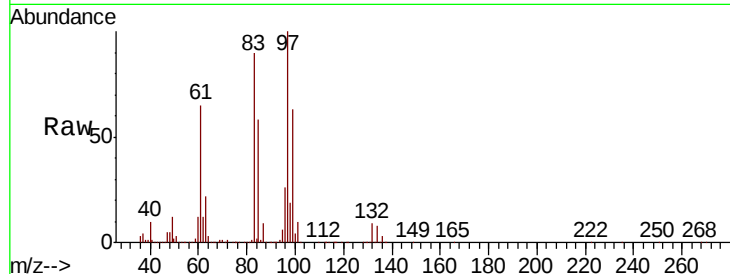
#55
 1,1,2-Trichloroethane
 Concen: 56.549 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		185448		
83	90.3		69.1	103.7	
85	57.7		44.3	66.5	
99	62.7		49.8	74.8	

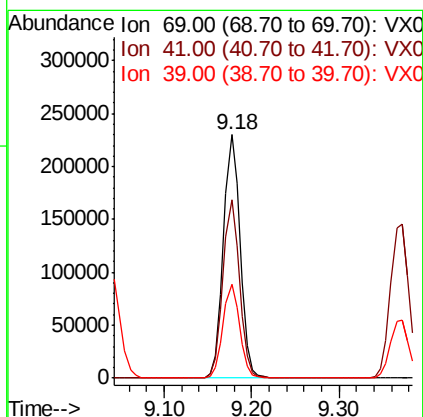
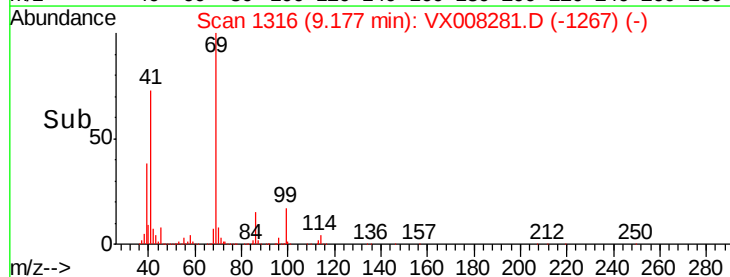
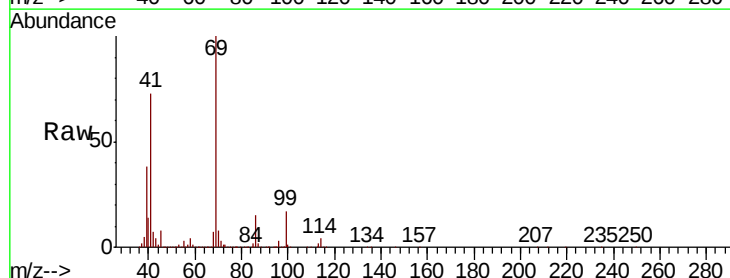
Manual Integrations
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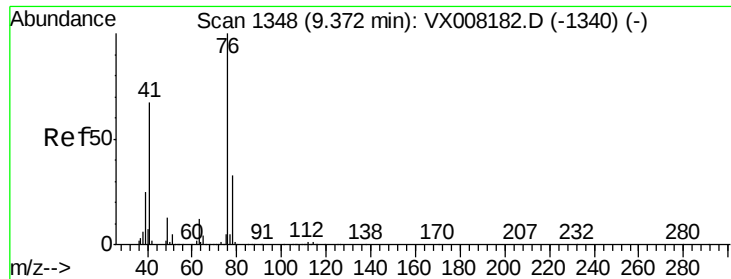
MMDadoda
 3/22/2019 2:51:11 PM



#56
 Ethyl methacrylate
 Concen: 52.801 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		303896		
41	72.3		54.2	81.4	
39	38.3		25.0	37.4#	





#57

1,3-Dichloropropane

Concen: 55.908 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 324339

Ion Ratio Lower Upper

76 100

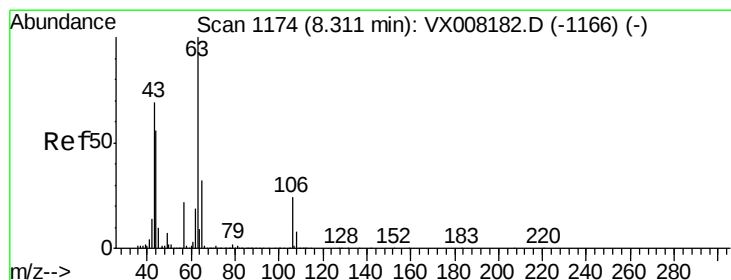
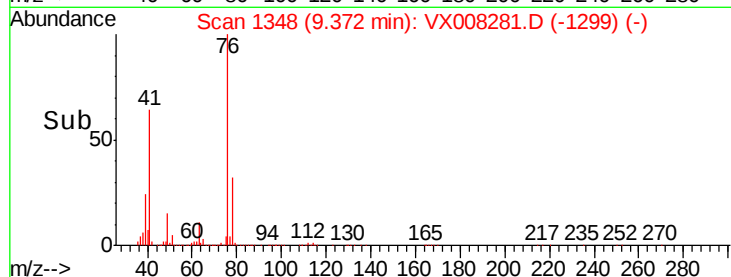
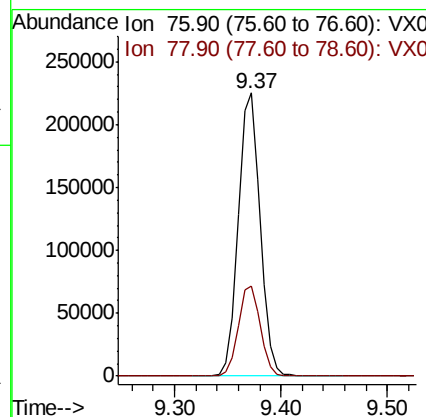
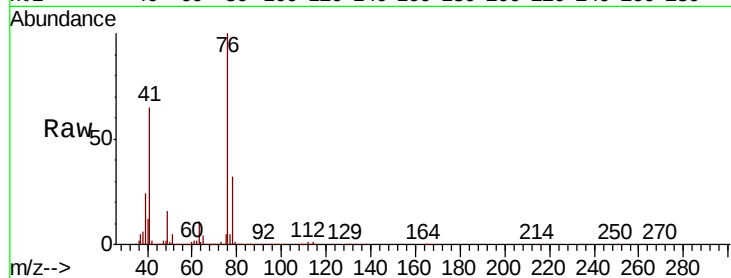
78 32.1 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 243.559 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008281.D

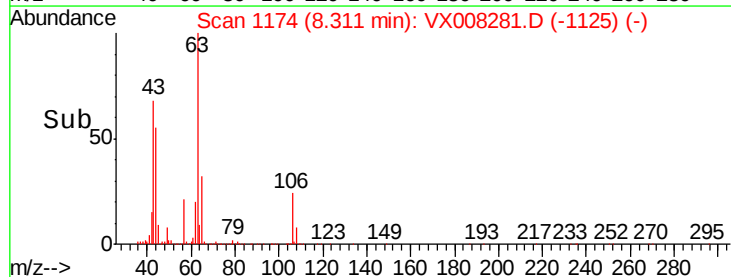
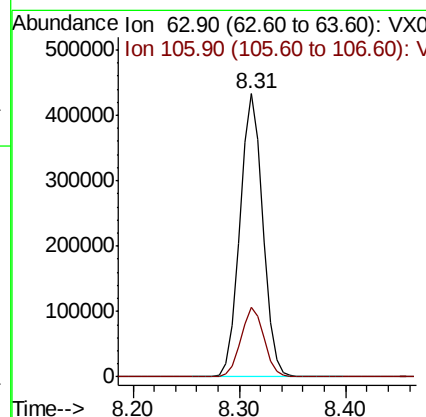
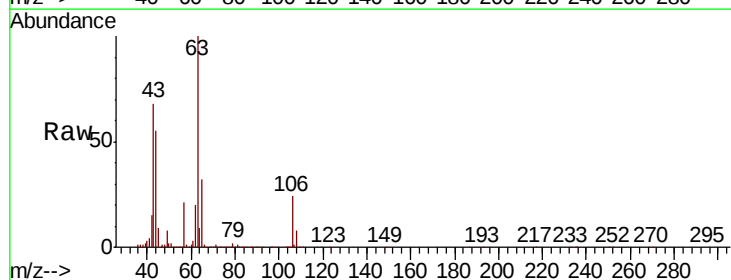
Acq: 21 Mar 2019 08:15

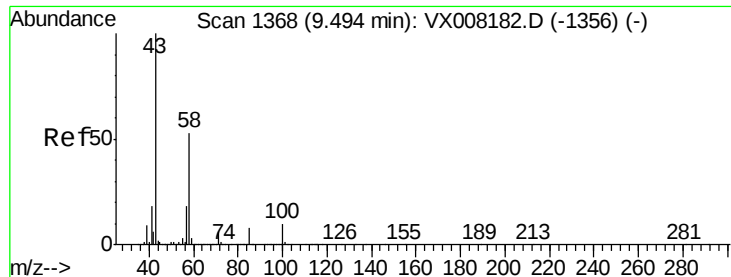
Tgt Ion: 63 Resp: 654423

Ion Ratio Lower Upper

63 100

106 24.7 22.2 33.2





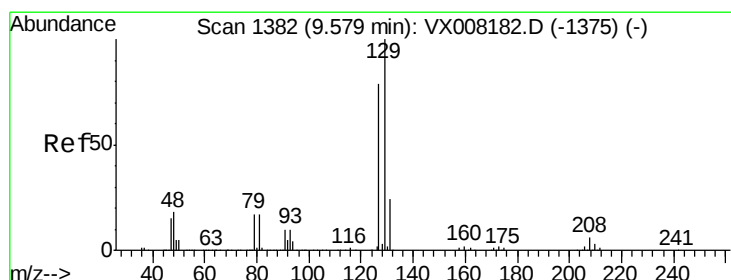
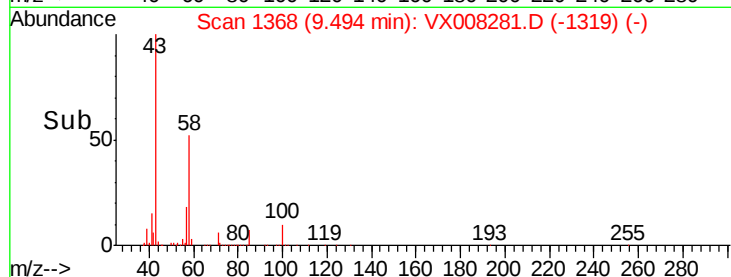
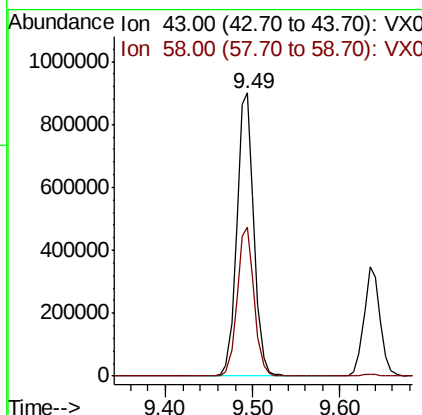
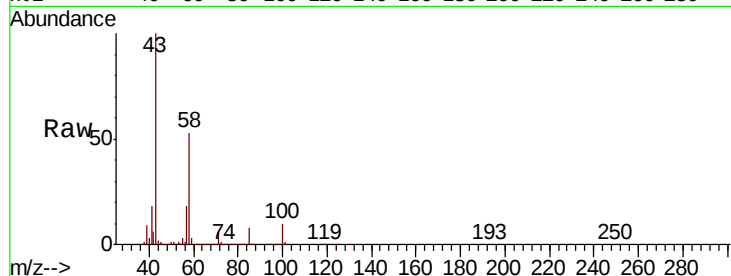
#59
2-Hexanone
Concen: 281.210 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1225872
Ion Ratio Lower Upper
43 100
58 52.4 27.6 82.7

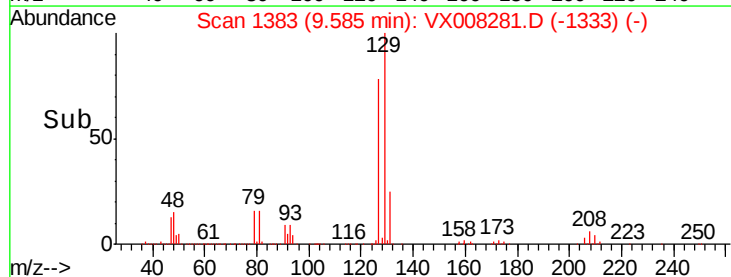
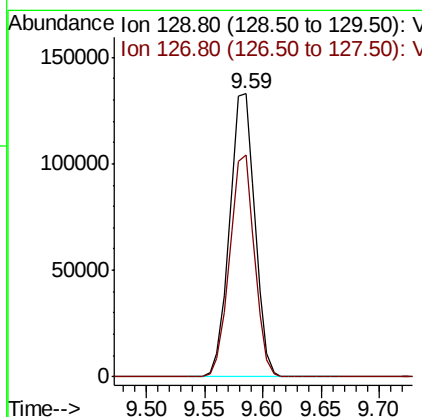
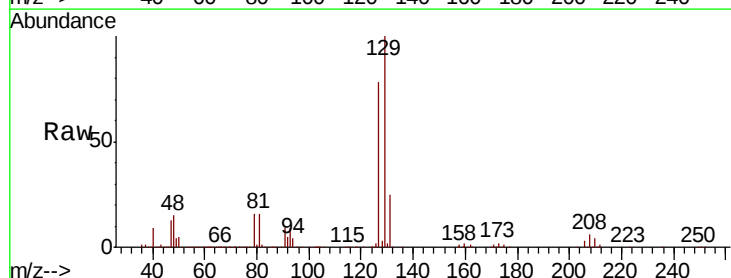
Manual Integrations
APPROVED

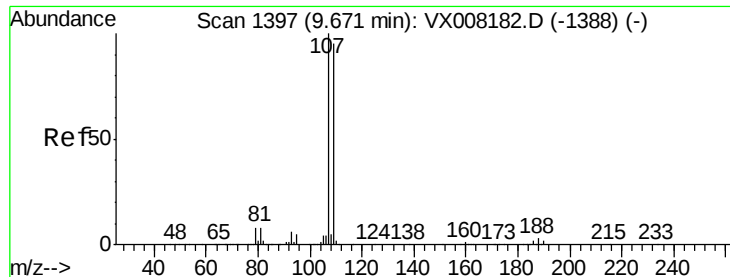
MMDadoda
3/22/2019 2:51:11 PM



#60
Dibromochloromethane
Concen: 63.862 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion: 129 Resp: 201272
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





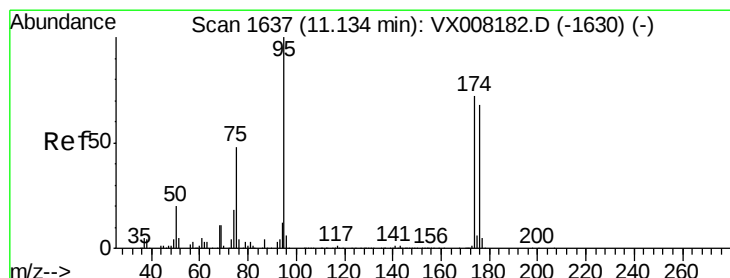
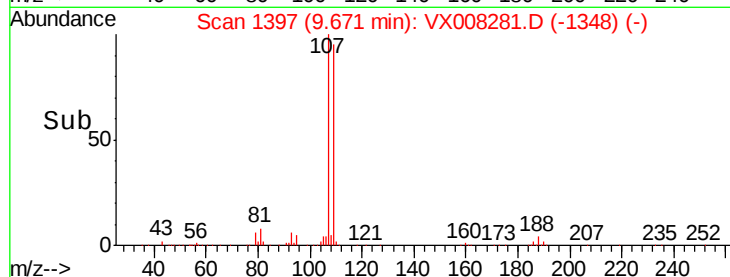
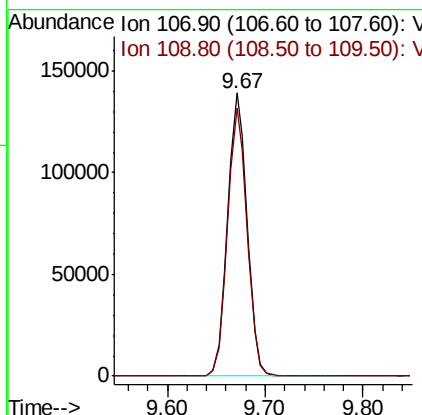
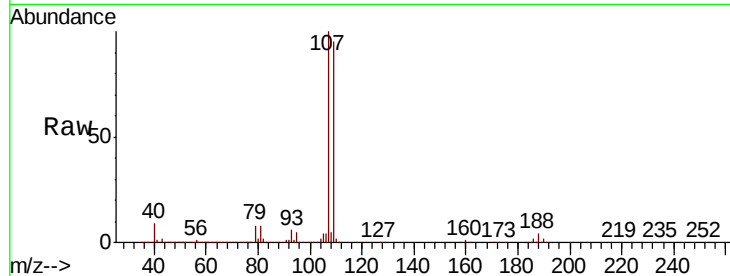
#61
 1,2-Dibromoethane
 Concen: 56.403 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.8	113.8

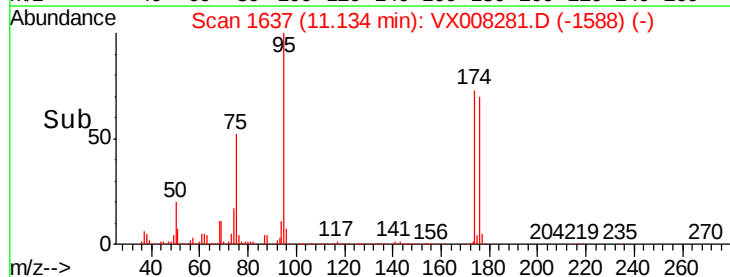
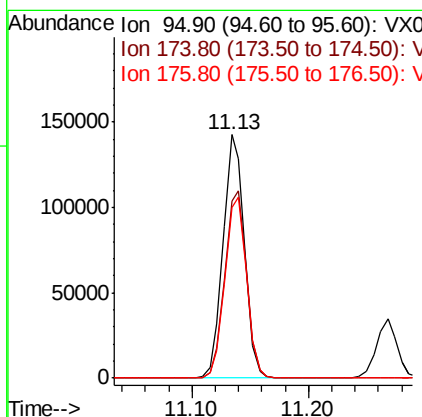
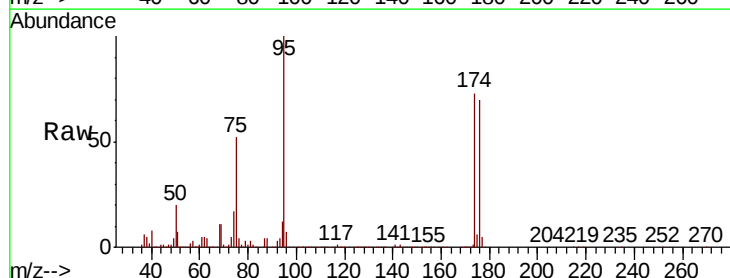
Manual Integrations
 APPROVED

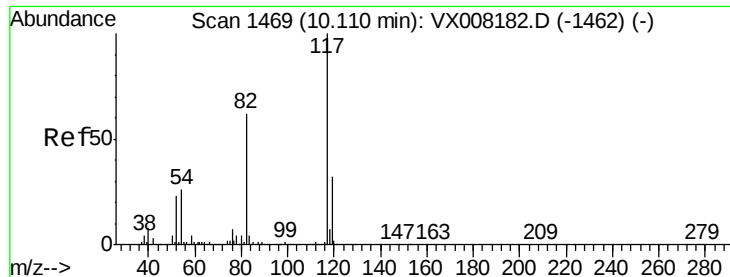
MMDadoda
 3/22/2019 2:51:11 PM



#62
 4-Bromofluorobenzene
 Concen: 51.524 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	182.8
176	76.4	0.0	178.0





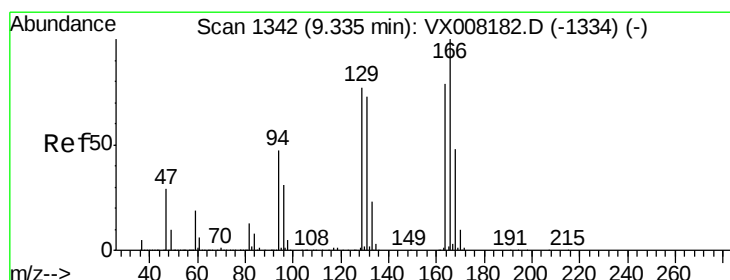
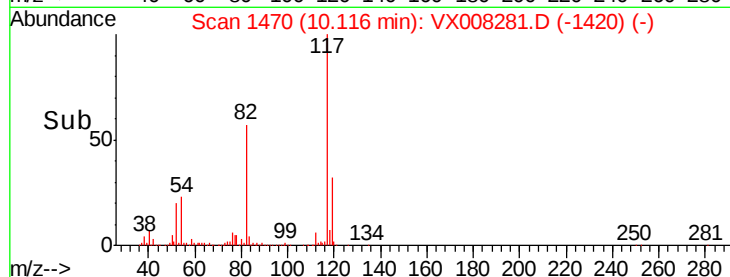
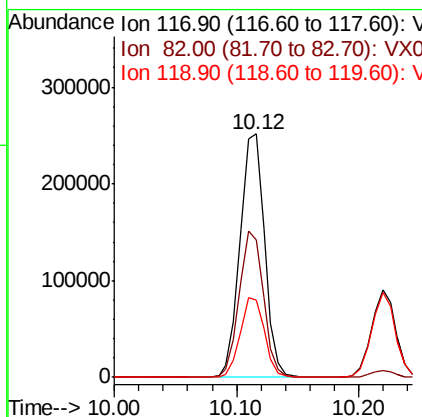
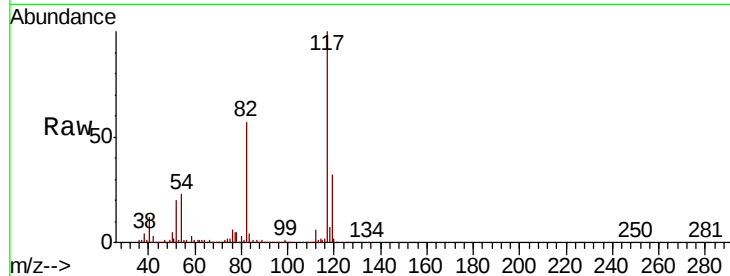
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.3	66.5
119	31.7	25.3	37.9

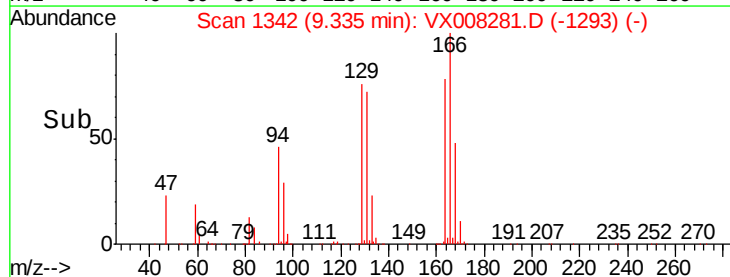
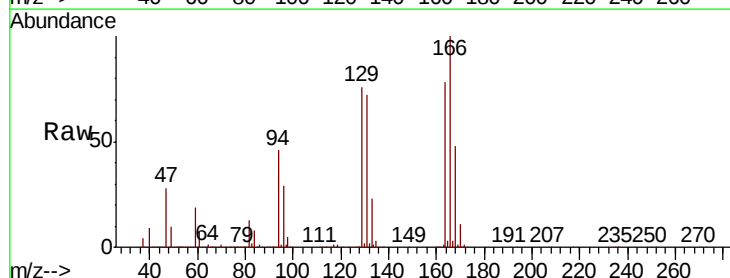
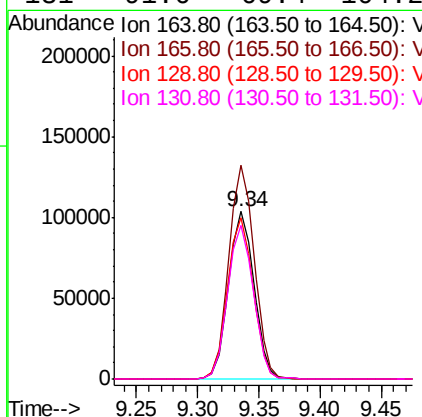
Manual Integrations
APPROVED

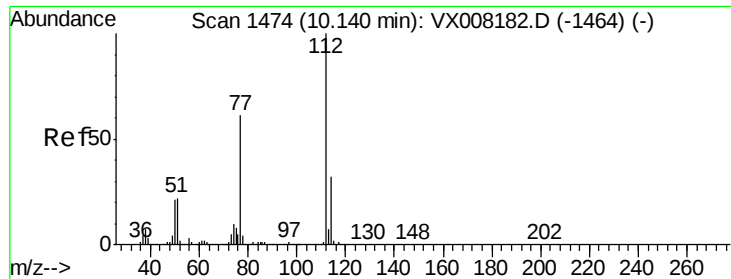
MMDadoda
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#64
Tetrachloroethene
Concen: 47.396 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.4	155.0
129	96.4	72.2	108.4
131	91.6	69.4	104.2





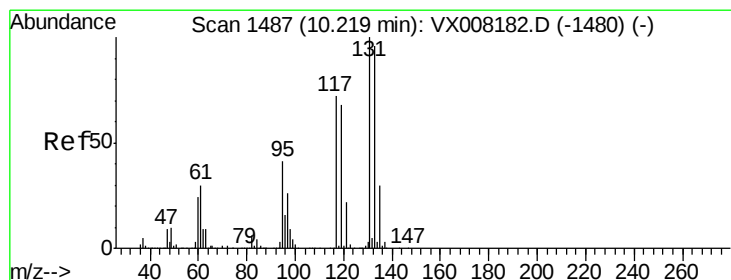
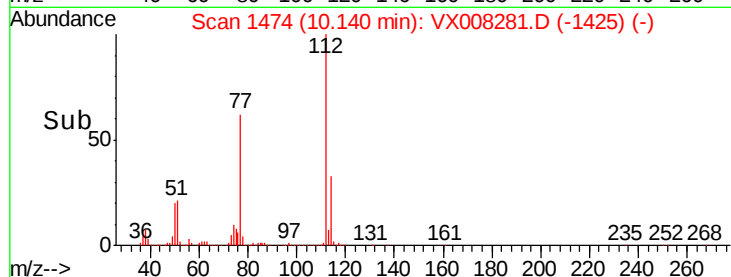
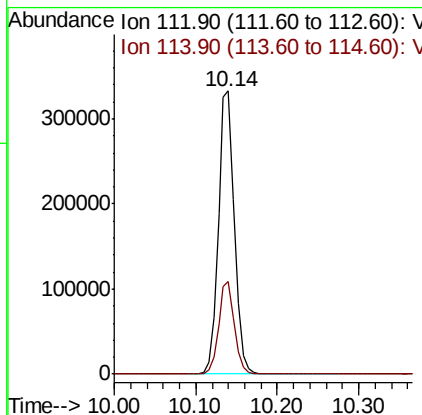
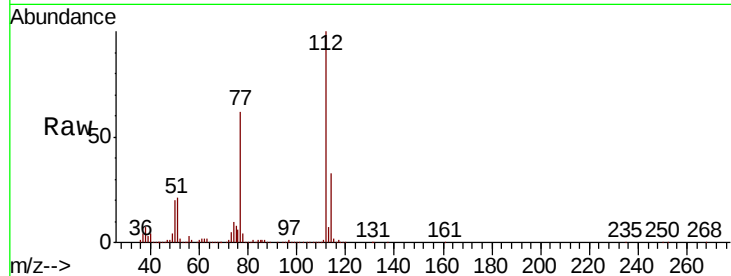
#65
Chlorobenzene
Concen: 53.548 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 459686
Ion Ratio Lower Upper
112 100
114 32.7 26.0 39.0

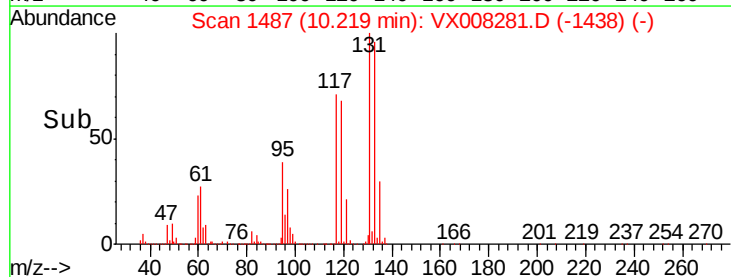
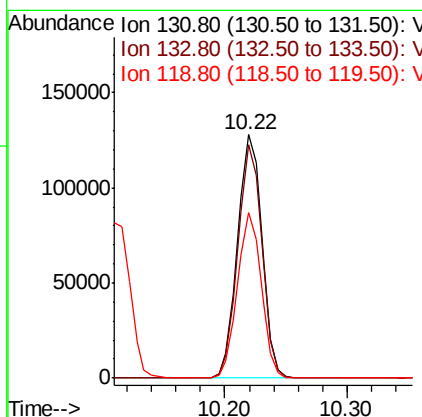
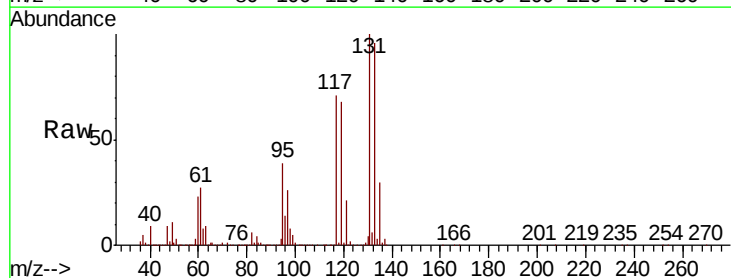
Manual Integrations
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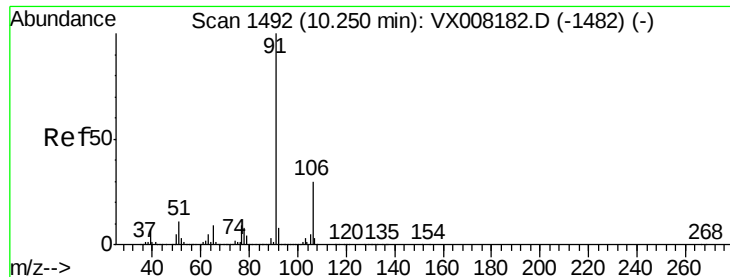
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.007 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion:131 Resp: 176616
Ion Ratio Lower Upper
131 100
133 94.4 47.8 143.3
119 66.8 32.5 97.5





#67

Ethyl Benzene

Concen: 54.503 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 824508

Ion Ratio Lower Upper

91 100

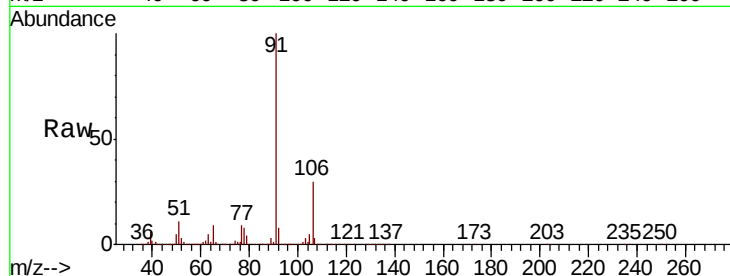
106 29.9 25.2 37.8

Manual Integrations

APPROVED

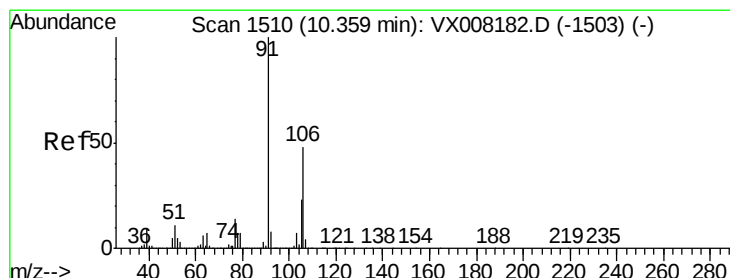
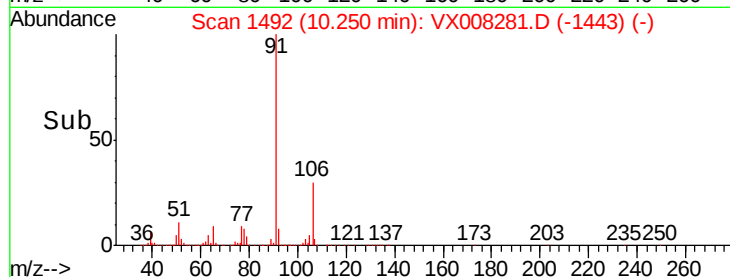
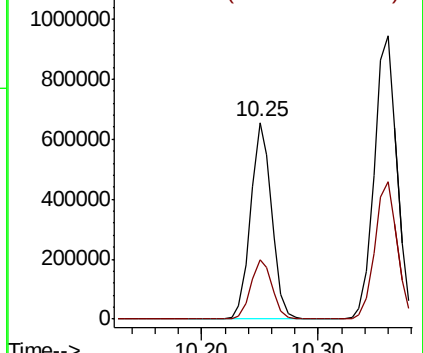
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 109.165 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008281.D

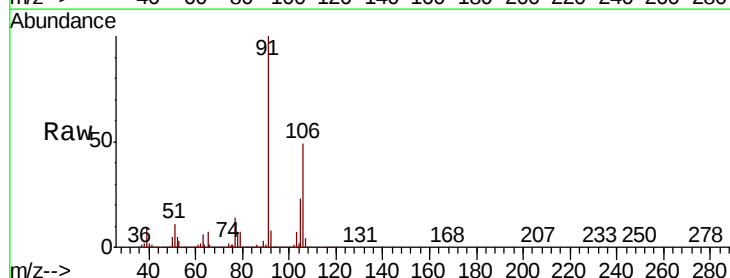
Acq: 21 Mar 2019 08:15

Tgt Ion: 106 Resp: 606638

Ion Ratio Lower Upper

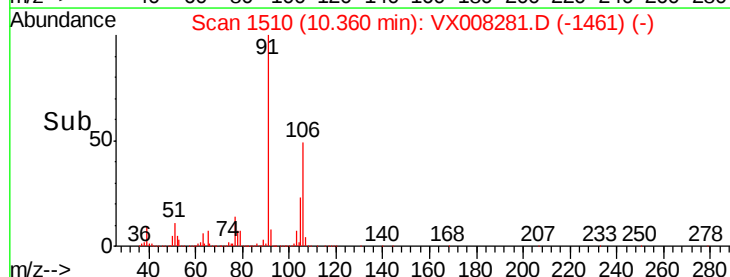
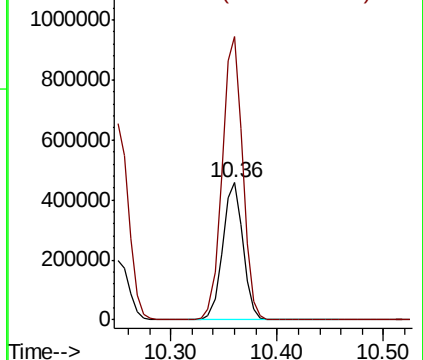
106 100

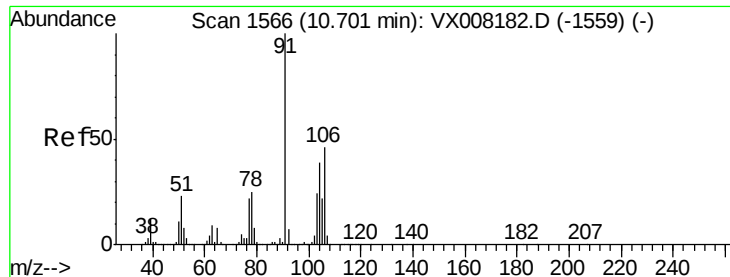
91 208.8 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





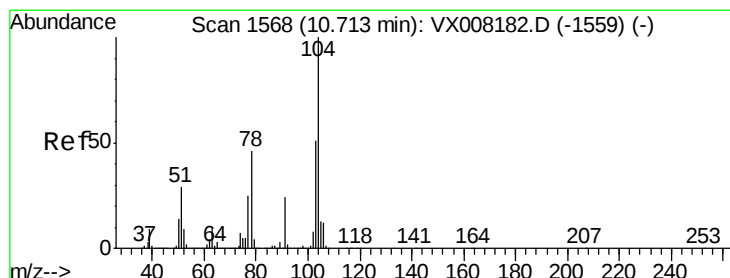
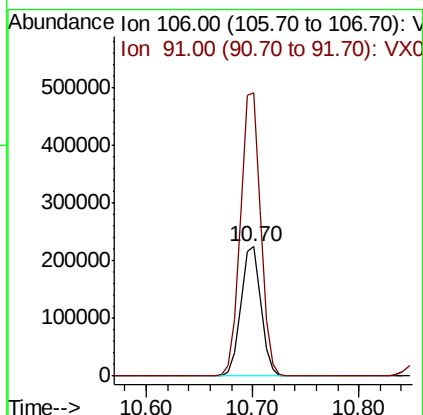
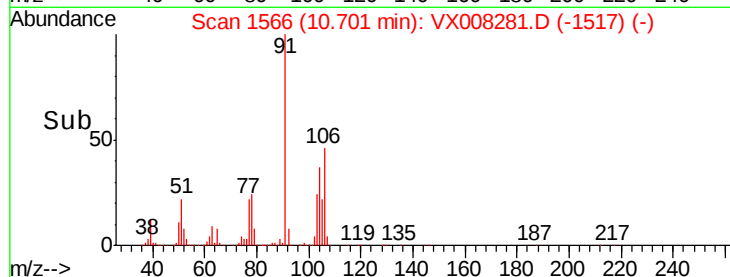
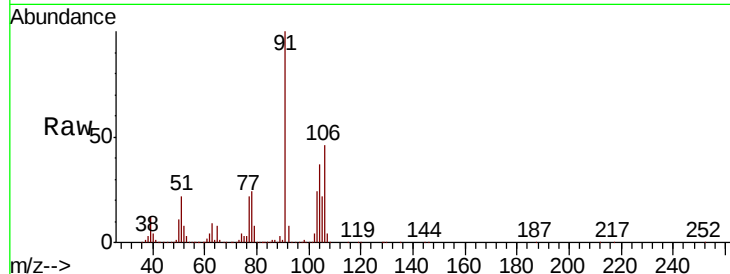
#69
o-Xylene
Concen: 55.179 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.6	106.3	318.9	

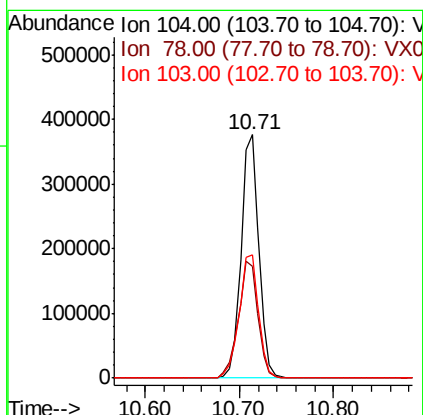
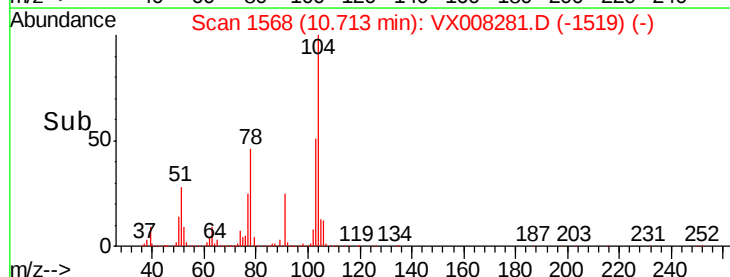
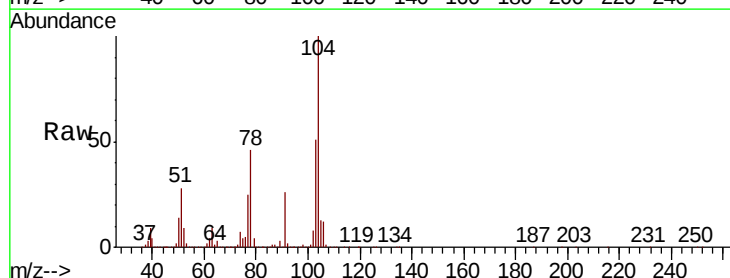
Manual Integrations
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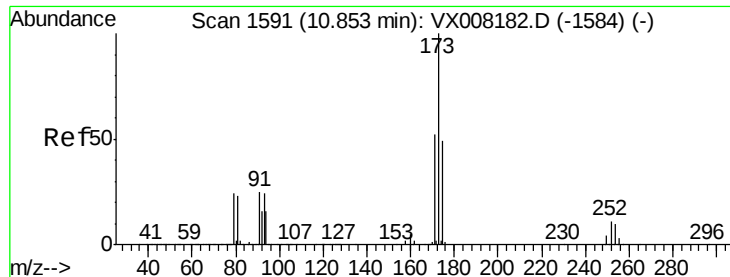
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#70
Styrene
Concen: 55.568 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.8	38.5	57.7	
103	55.8	44.1	66.1	





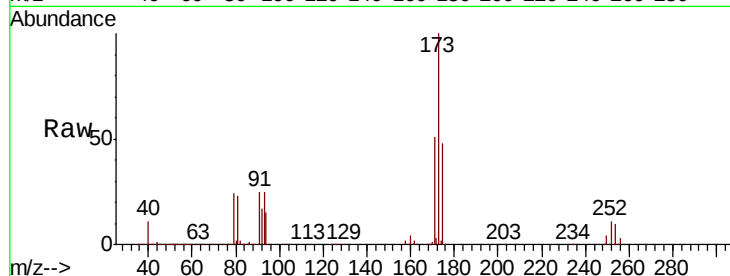
#71
Bromoform
Concen: 59.307 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

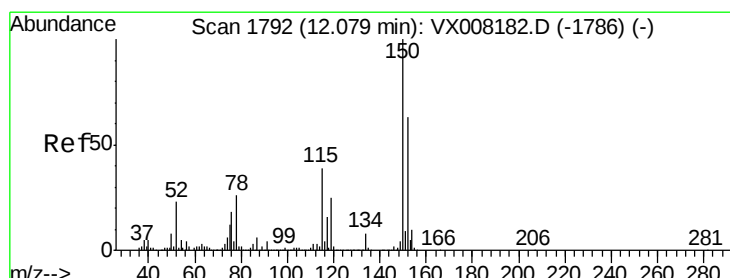
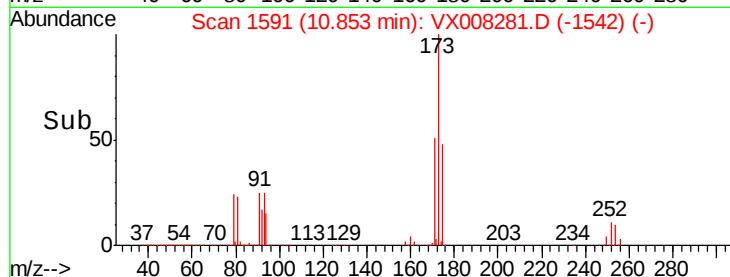
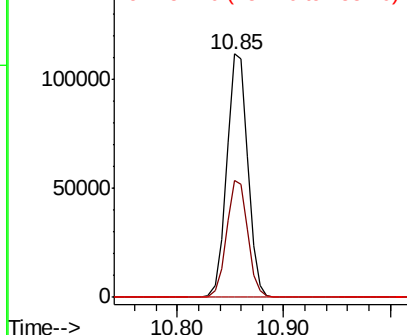
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.9
254	0.2	0.1	0.1#

Manual Integrations
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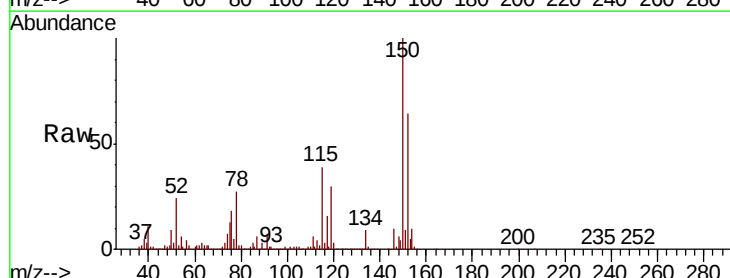


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

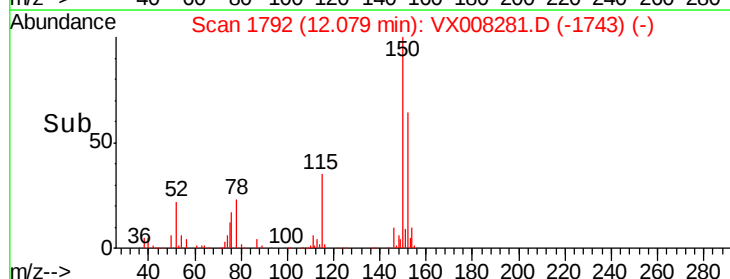
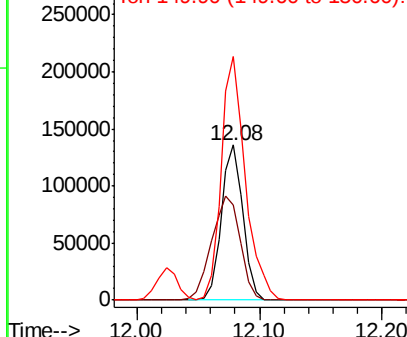


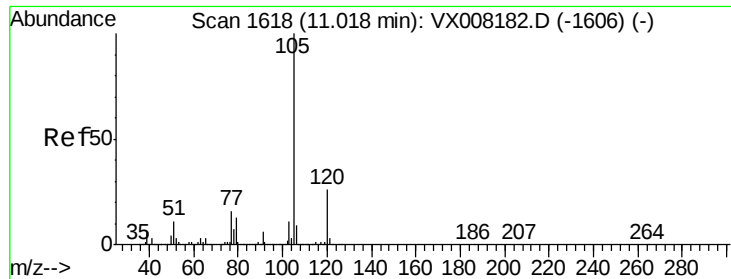
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	89.3	38.6	115.7
150	177.0	0.0	348.4



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





#73

Isopropylbenzene

Concen: 53.492 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 786507

Ion Ratio Lower Upper

105 100

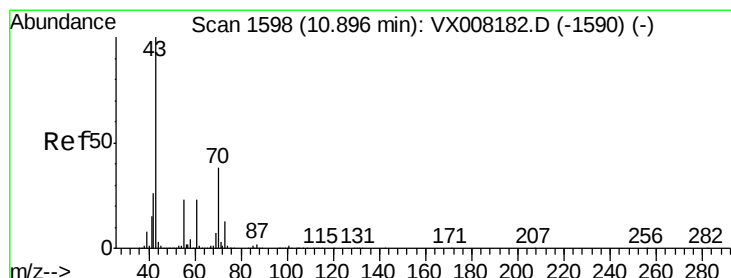
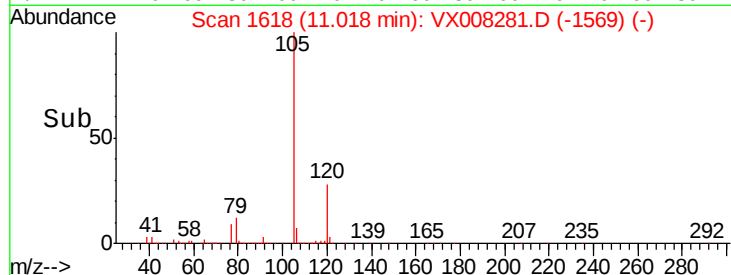
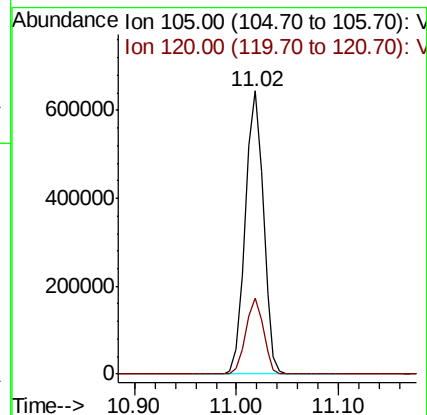
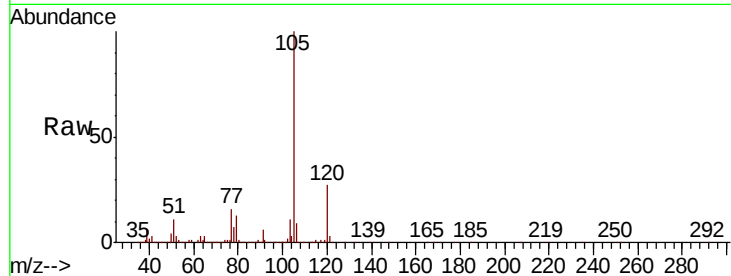
120 26.2 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 56.321 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Tgt Ion: 43 Resp: 433870

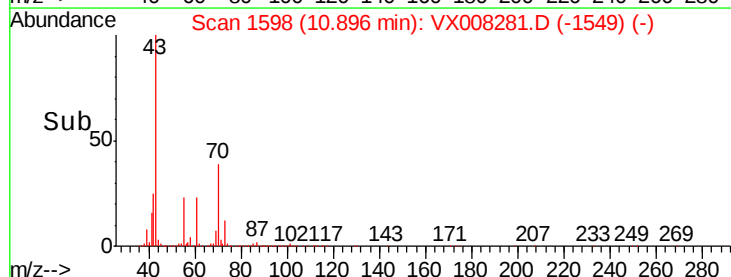
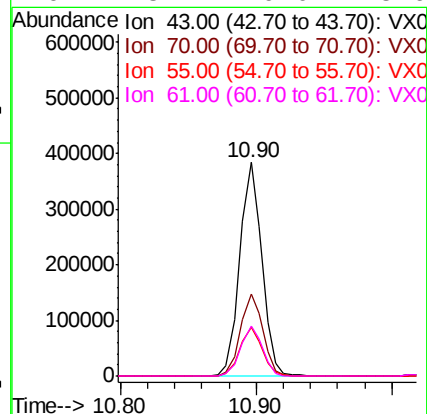
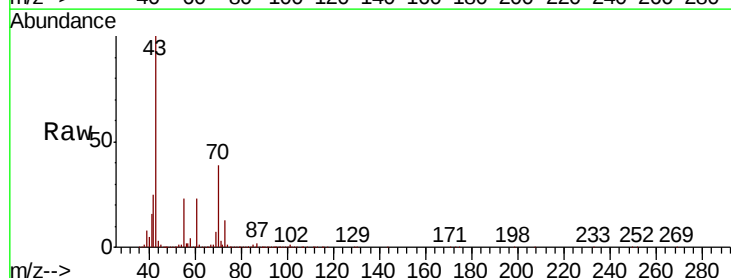
Ion Ratio Lower Upper

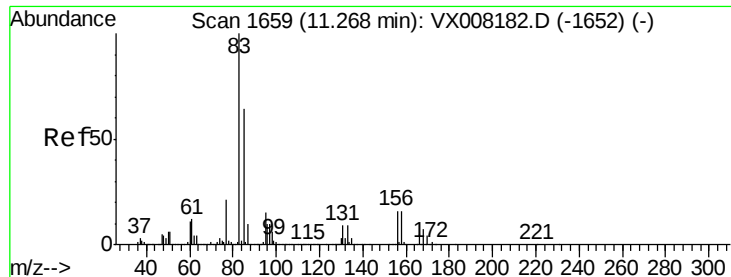
43 100

70 38.8 33.5 50.3

55 23.1 19.2 28.8

61 23.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 56.273 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 296687

Ion Ratio Lower Upper

83 100

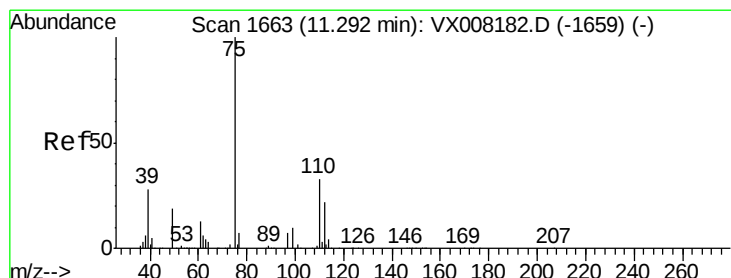
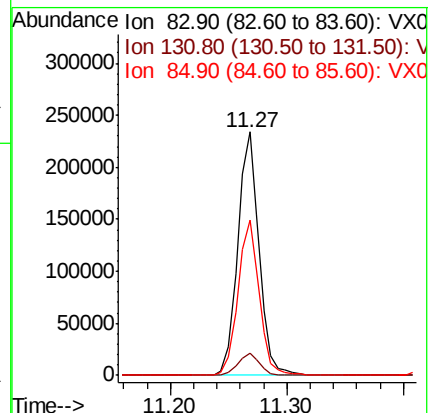
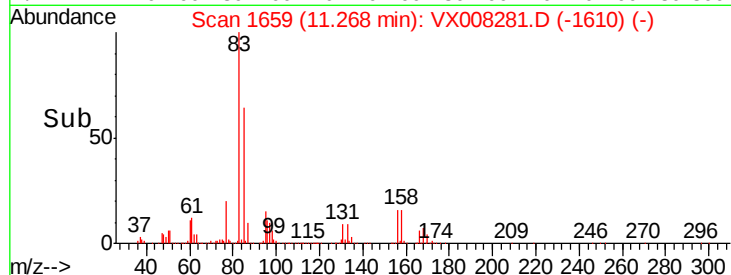
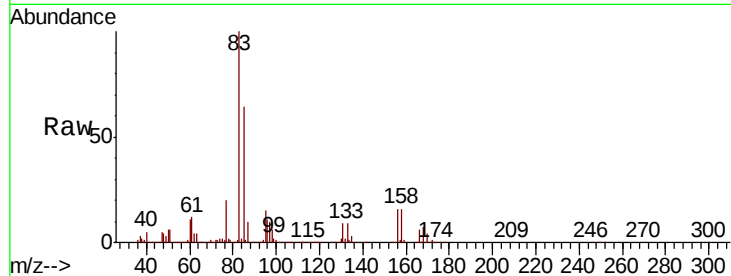
131 9.4 5.4 16.2

85 63.9 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 52.770 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008281.D

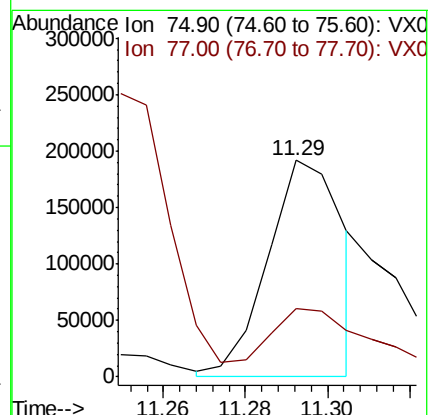
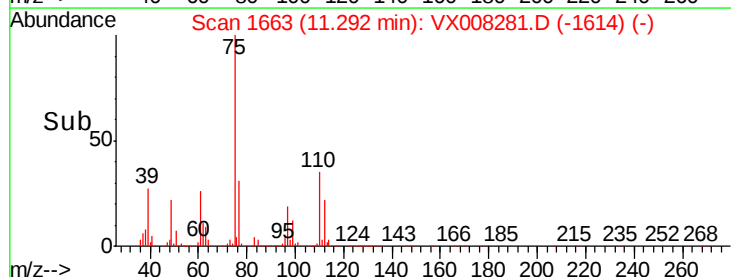
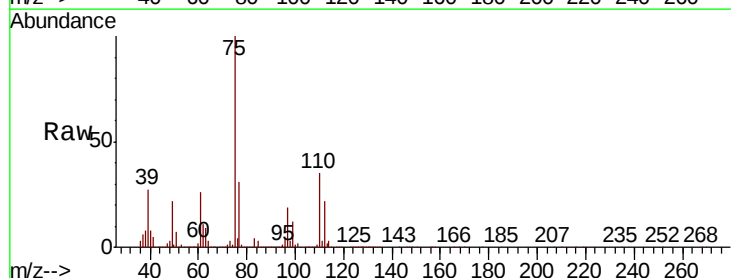
Acq: 21 Mar 2019 08:15

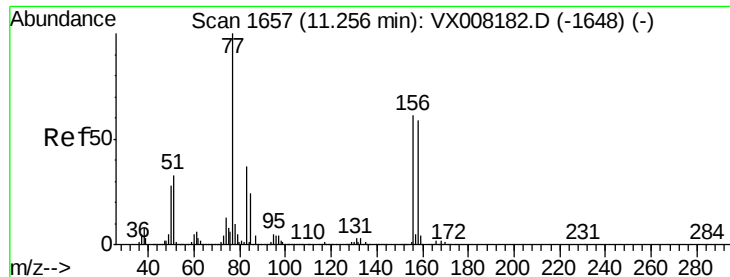
Tgt Ion: 75 Resp: 244827

Ion Ratio Lower Upper

75 100

77 44.0 18.9 56.7





#77

Bromobenzene

Concen: 53.275 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 189393

Ion Ratio Lower Upper

156 100

77 172.9

158 98.1

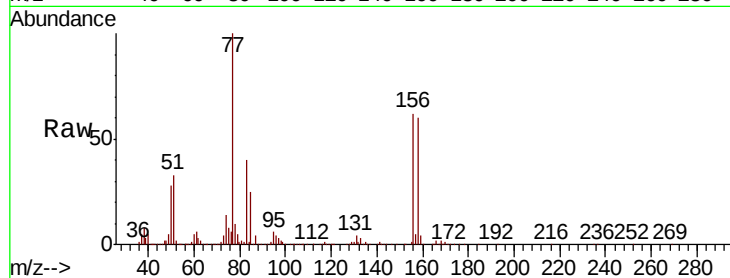
72.0 215.9

48.6 145.9

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

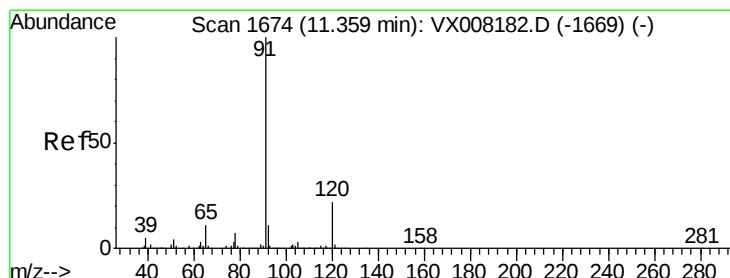
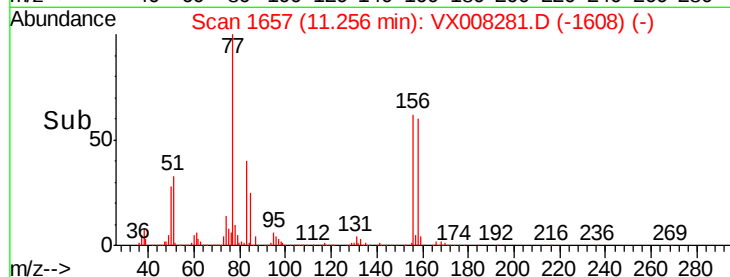
11.26

200000

100000

0

Time-->



#78

n-propylbenzene

Concen: 53.757 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

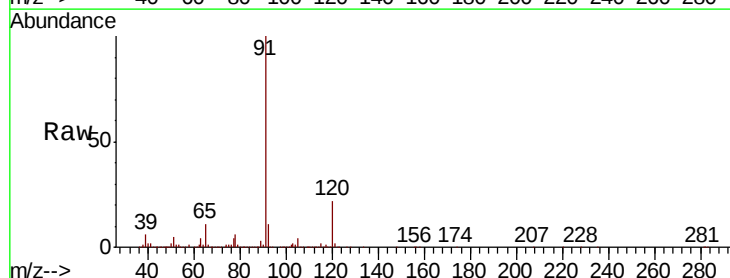
Tgt Ion: 91 Resp: 918025

Ion Ratio Lower Upper

91 100

120 22.0

12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

800000

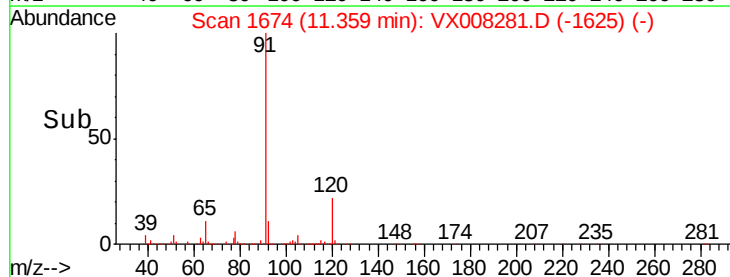
600000

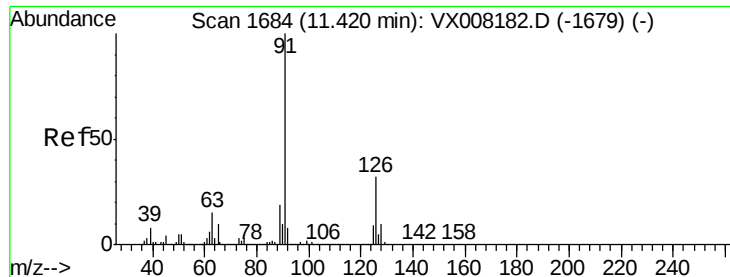
400000

200000

0

Time-->





#79

2-Chlorotoluene

Concen: 53.022 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 543477

Ion Ratio Lower Upper

91 100

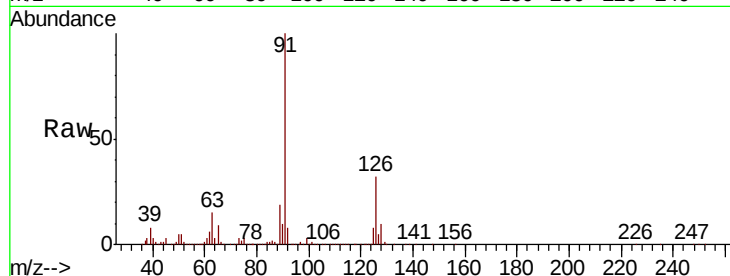
126 32.4 17.5 52.6

Manual Integrations

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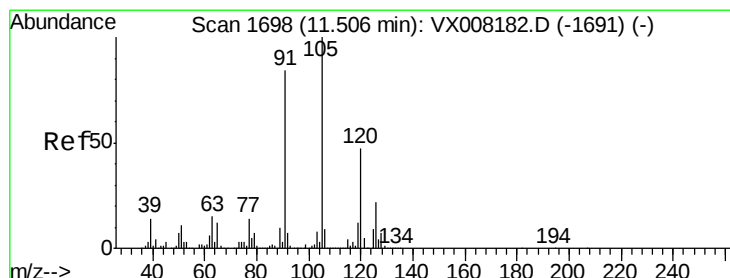
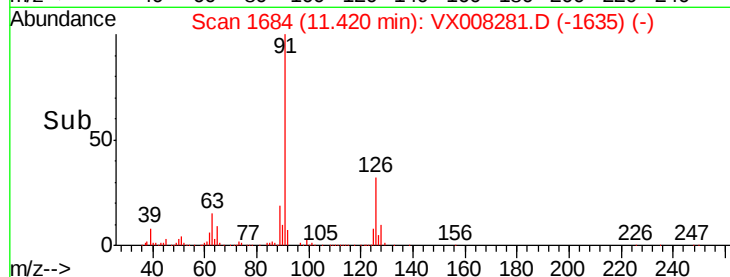
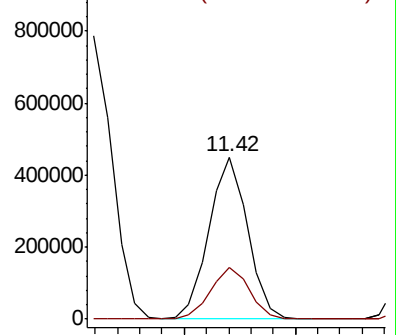
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.115 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008281.D

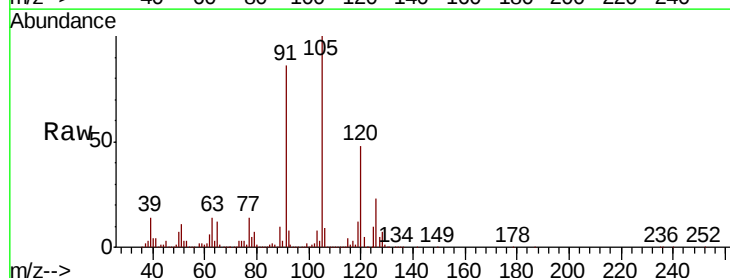
Acq: 21 Mar 2019 08:15

Tgt Ion:105 Resp: 645204

Ion Ratio Lower Upper

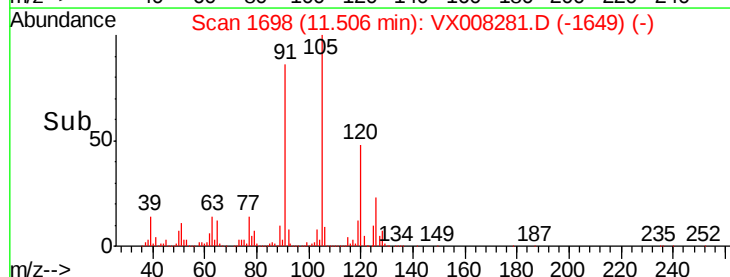
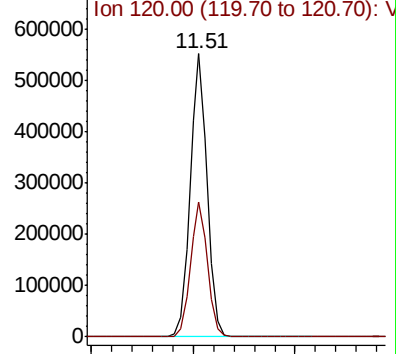
105 100

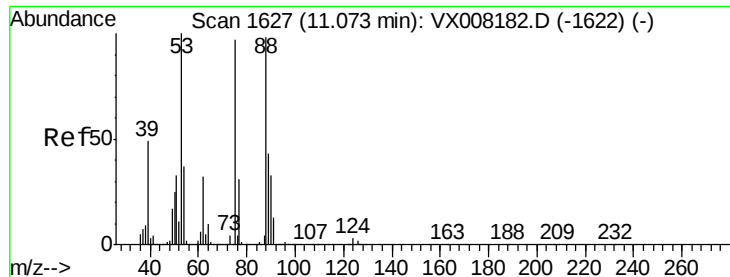
120 47.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





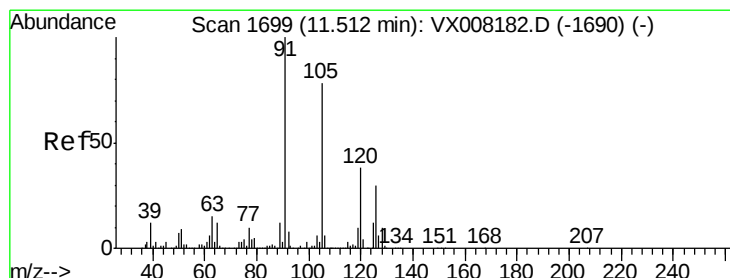
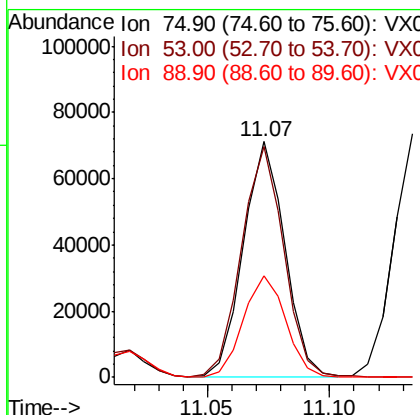
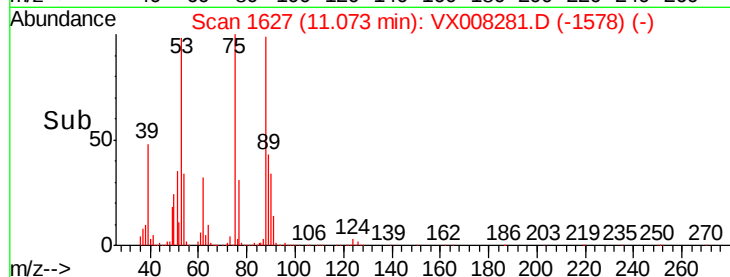
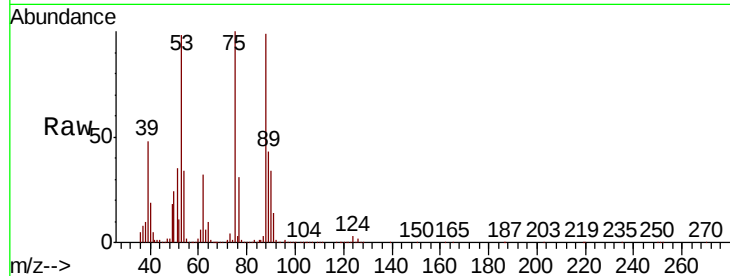
#81
trans-1,4-Dichloro-2-butene
Concen: 46.316 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.5	76.1	114.1
89	44.5	36.3	54.5

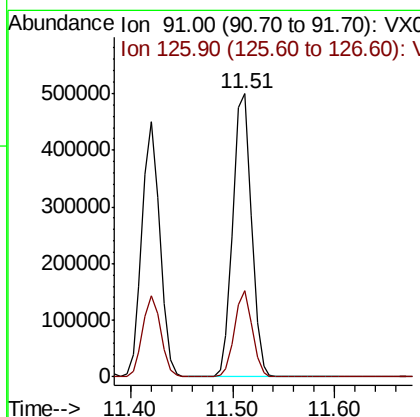
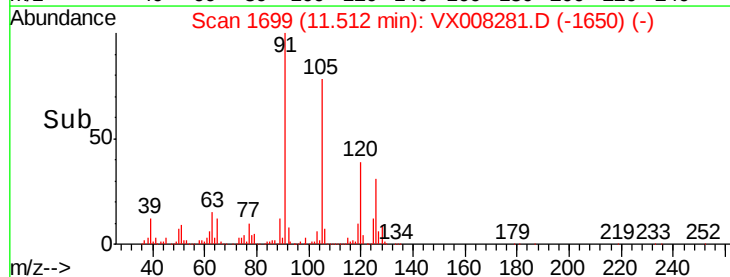
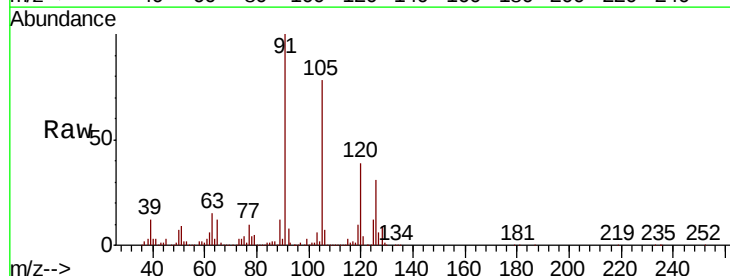
Manual Integrations
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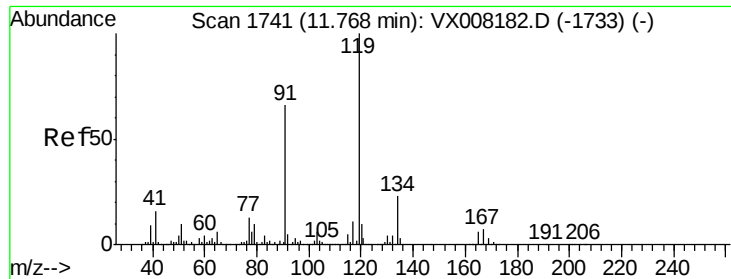
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.707 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	15.6	46.8





#83

tert-Butylbenzene

Concen: 56.575 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

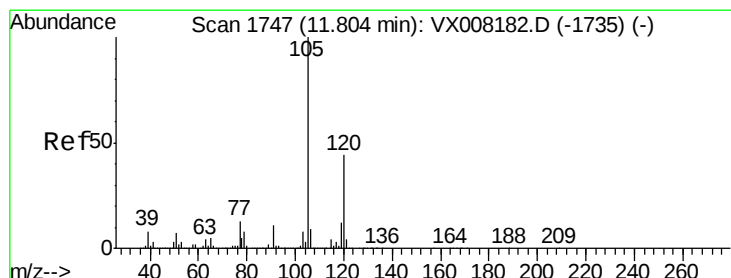
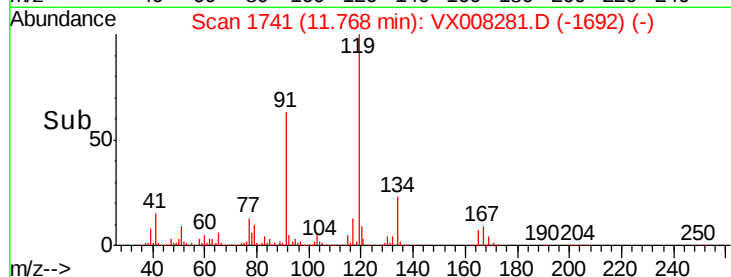
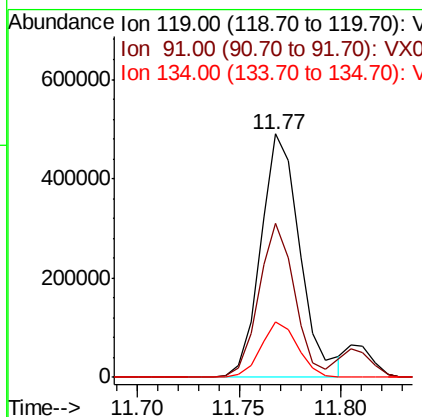
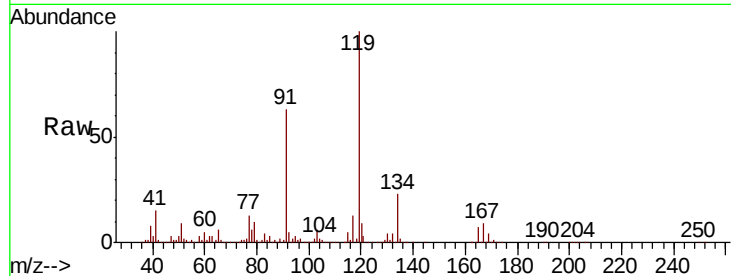
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	656123
Ion Ratio	Lower	Upper	
119	100		
91	57.9	27.1	81.3
134	21.6	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 53.781 ug/l

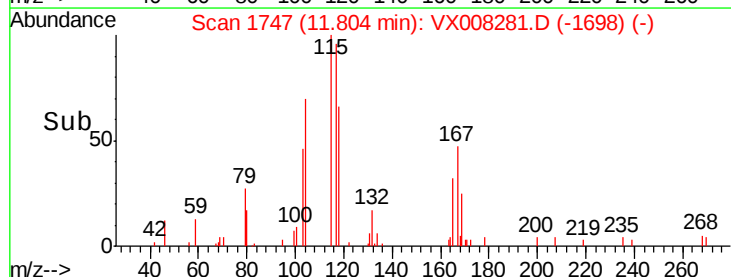
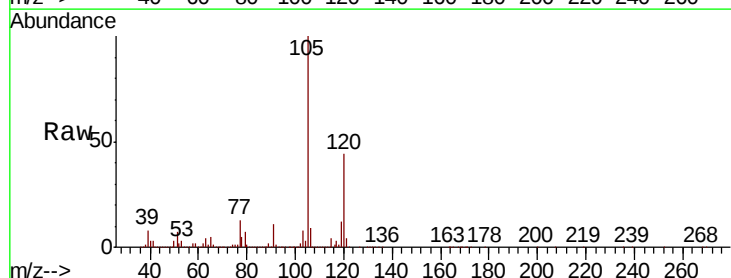
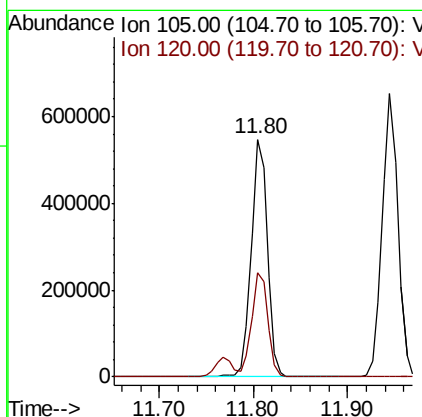
RT: 11.80 min Scan# 1747

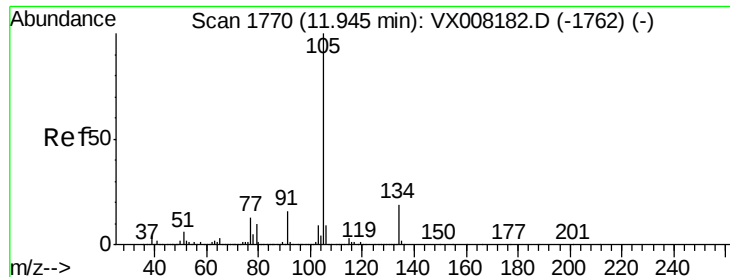
Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Tgt Ion:	105	Resp:	662301
Ion Ratio	Lower	Upper	
105	100		
120	43.6	22.6	67.7





#85

sec-Butylbenzene

Concen: 53.074 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 762248

Ion Ratio Lower Upper

105 100

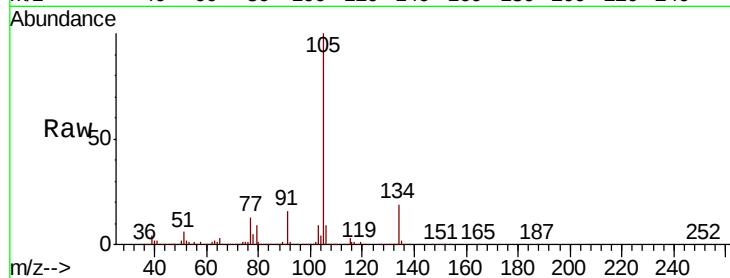
134 19.5 10.4 31.2

Manual Integrations

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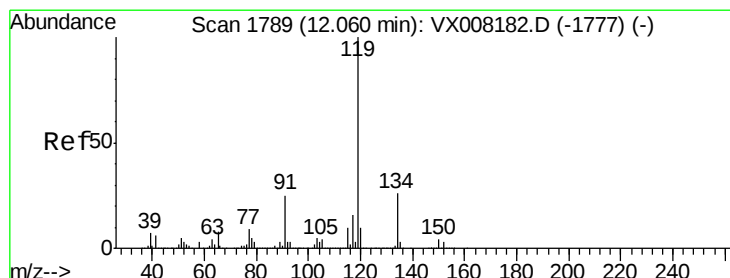
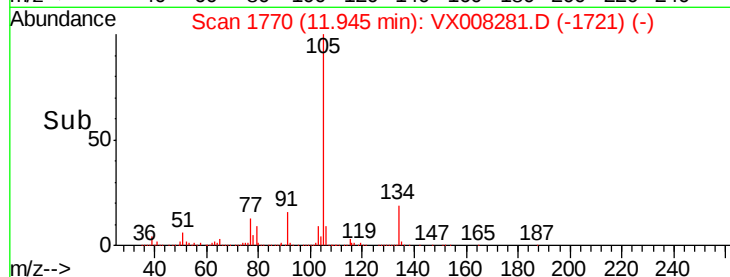
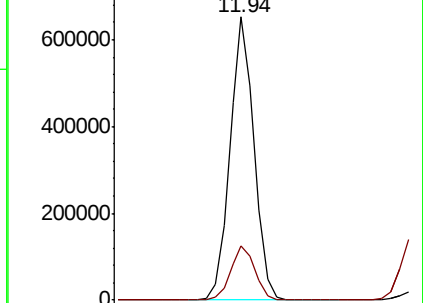
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.686 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

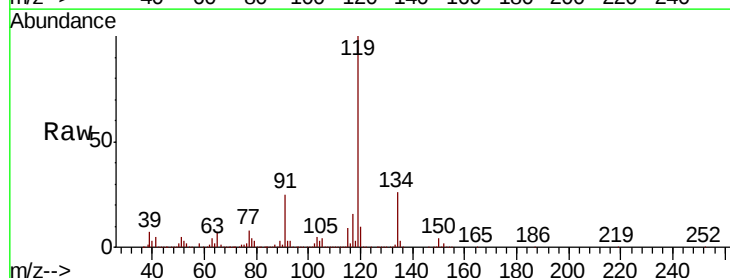
Tgt Ion:119 Resp: 654984

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.9

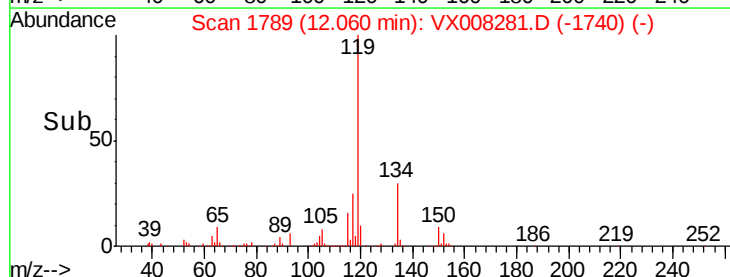
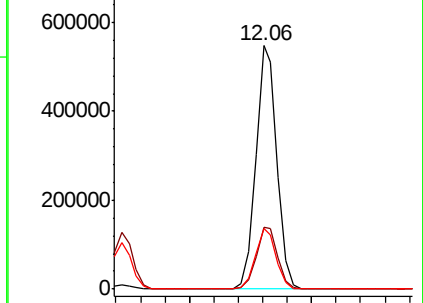
91 24.6 10.9 32.7

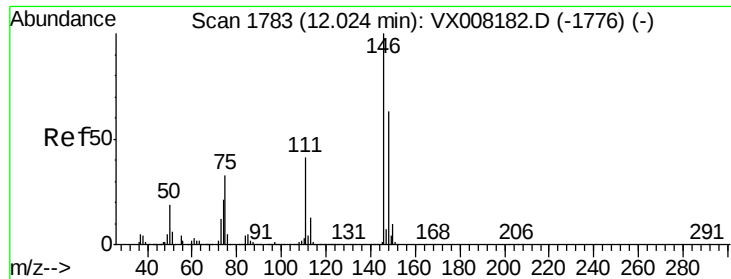


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





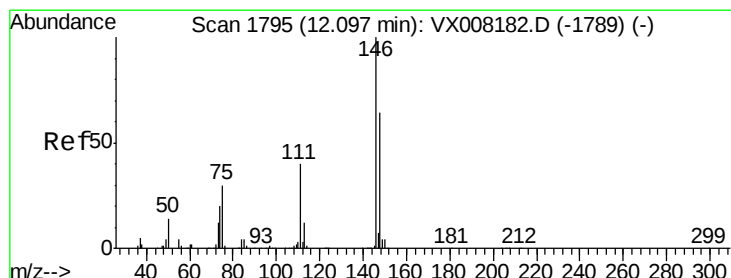
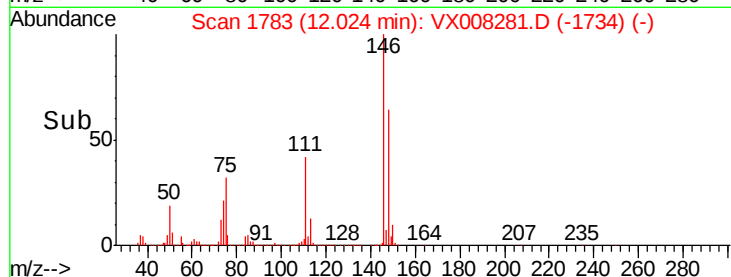
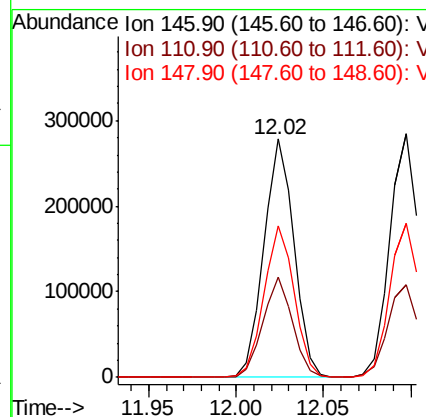
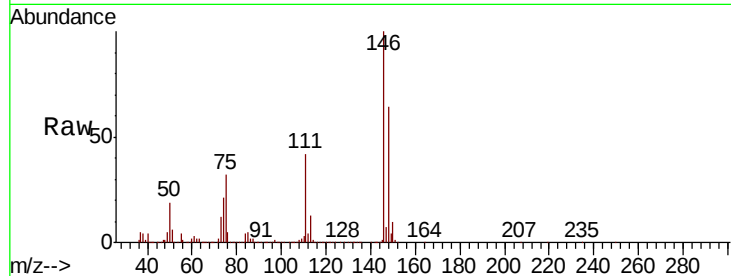
#87
 1,3-Dichlorobenzene
 Concen: 52.593 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.9	56.7
148	63.4	31.7	95.1

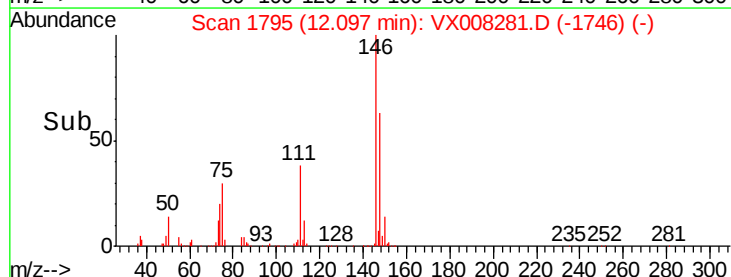
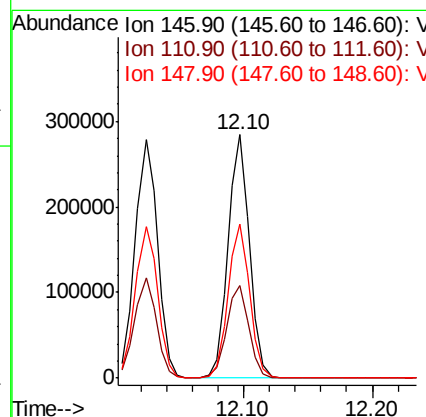
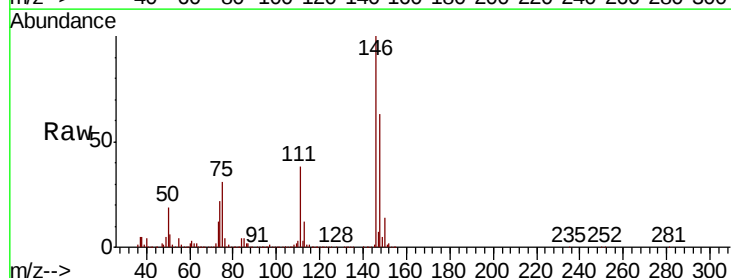
Manual Integrations
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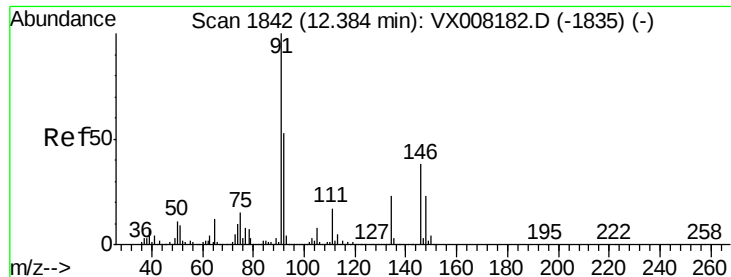
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#88
 1,4-Dichlorobenzene
 Concen: 50.654 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.4	55.0
148	64.0	32.2	96.6





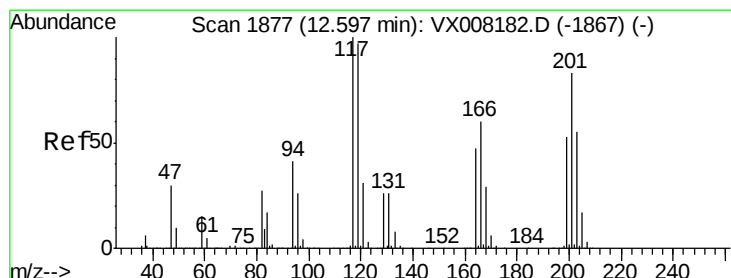
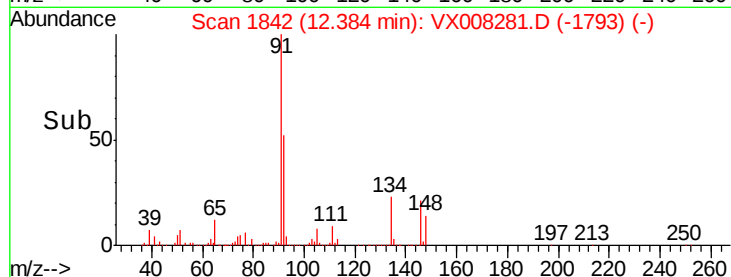
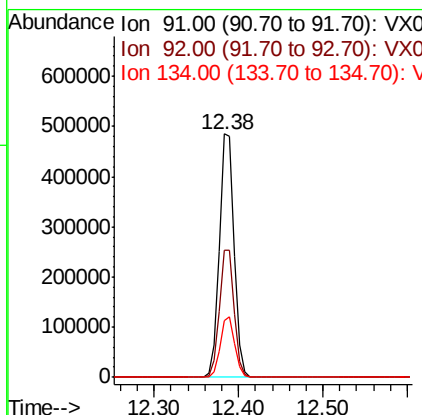
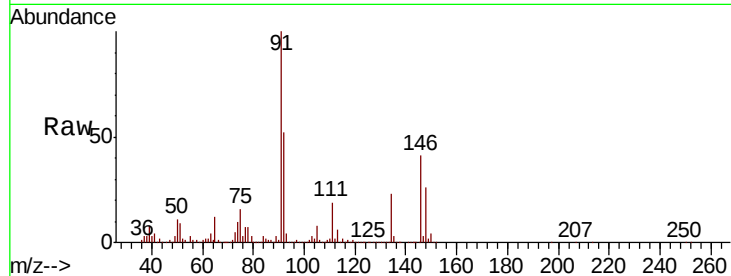
#89
n-Butylbenzene
Concen: 50.395 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.0	80.8
134	24.3	13.7	41.0

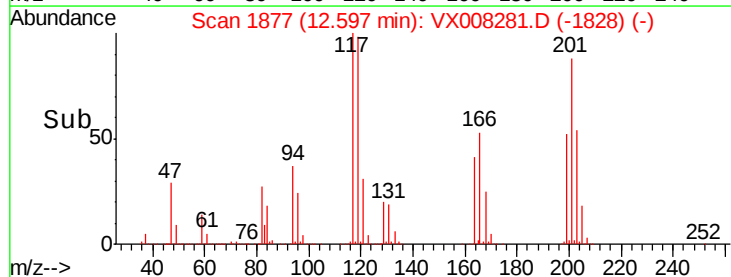
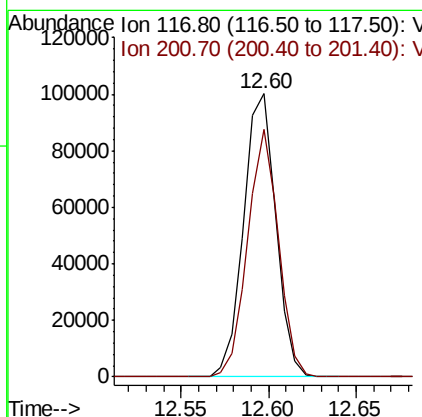
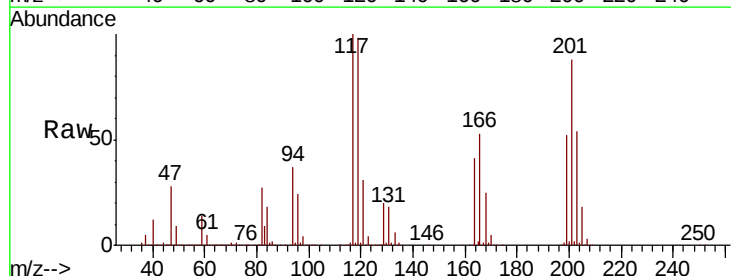
Manual Integrations
APPROVED

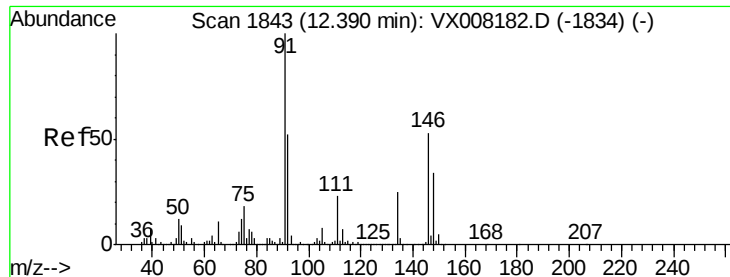
MMDadoda
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#90
Hexachloroethane
Concen: 60.991 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008281.D
Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	48.9	146.7





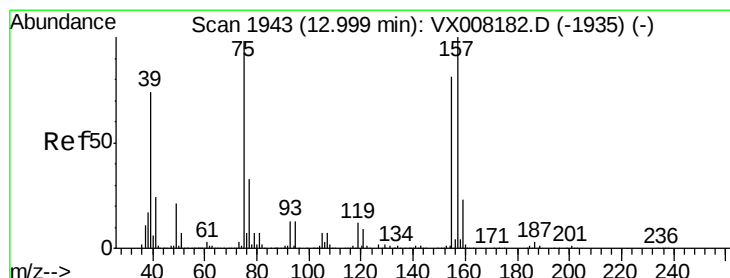
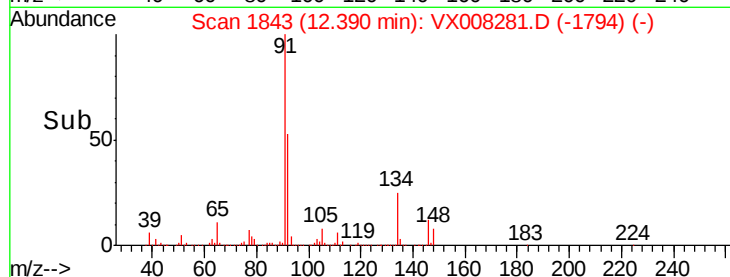
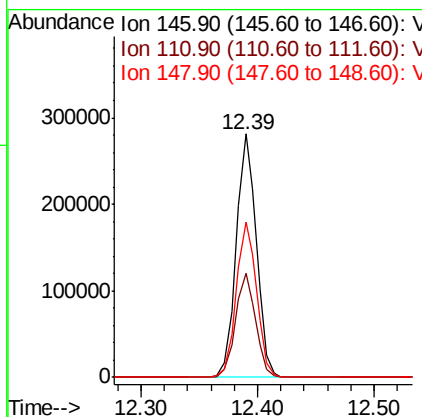
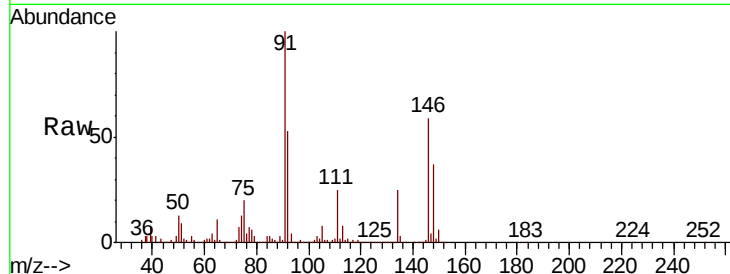
#91
 1,2-Dichlorobenzene
 Concen: 53.042 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	19.6	58.8
148	64.4	31.9	95.5

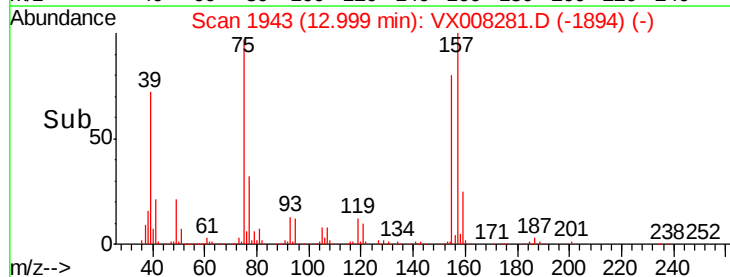
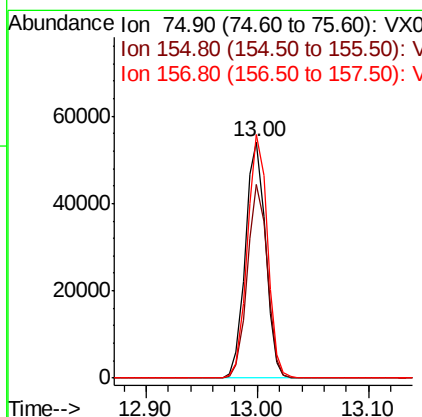
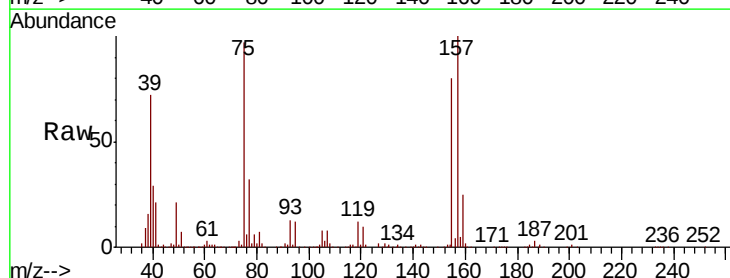
Manual Integrations
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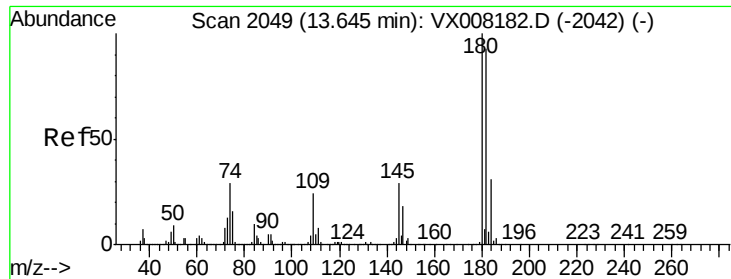
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.547 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	49.7	149.1
157	101.7	63.8	191.4





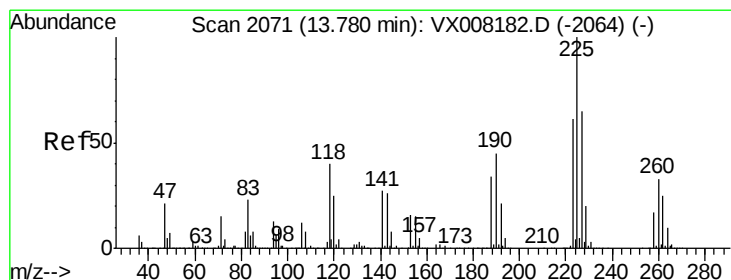
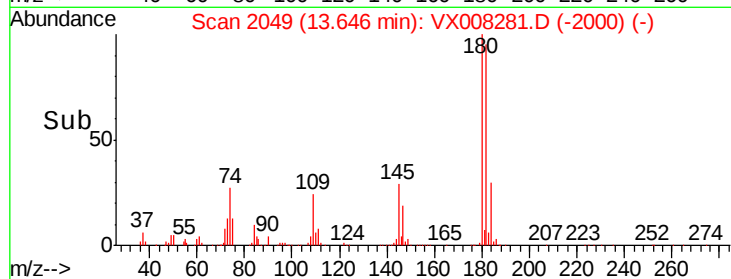
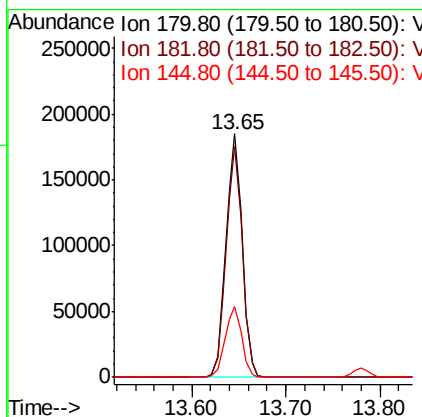
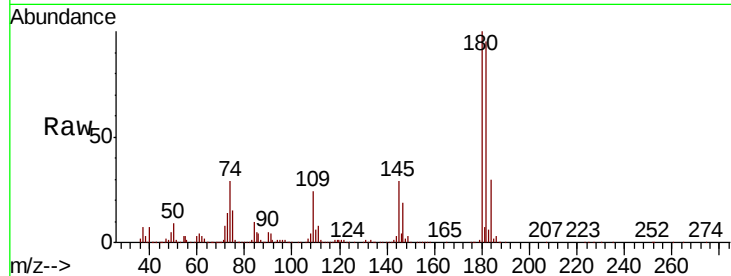
#93
 1,2,4-Trichlorobenzene
 Concen: 52.195 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	220239		
182	95.2	47.9	143.7	
145	30.0	14.1	42.4	

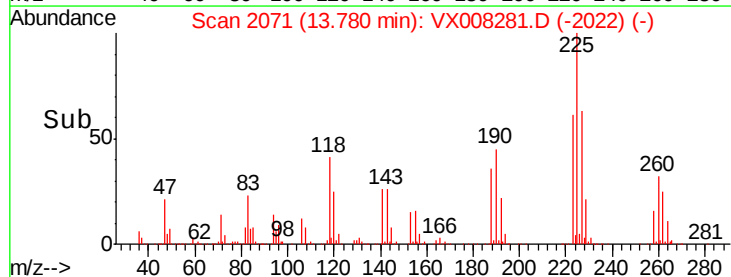
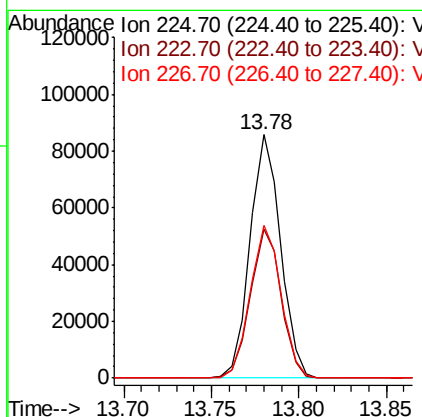
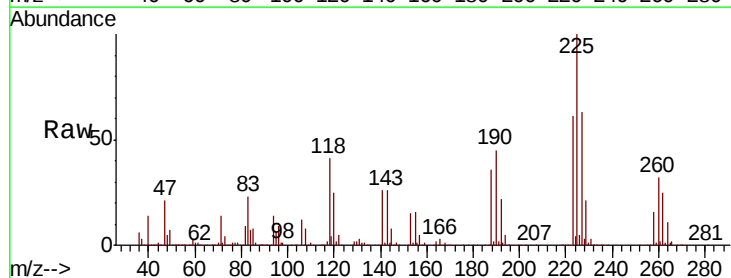
Manual Integrations
 APPROVED

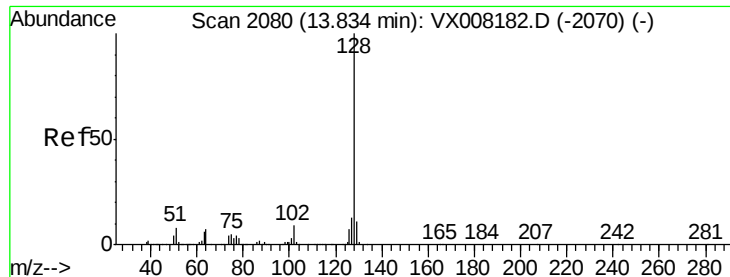
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 50.508 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008281.D
 Acq: 21 Mar 2019 08:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	103941		
223	61.6	31.1	93.2	
227	63.5	32.0	96.0	





#95

Naphthalene

Concen: 57.001 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Instrument :

MSVOA_X

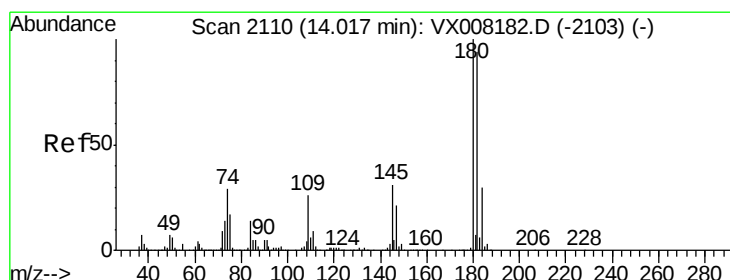
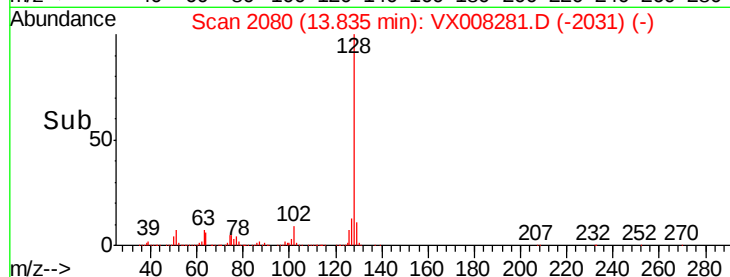
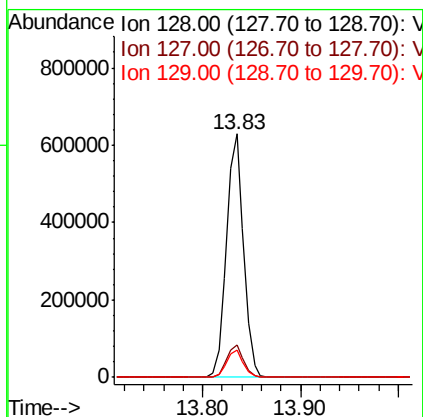
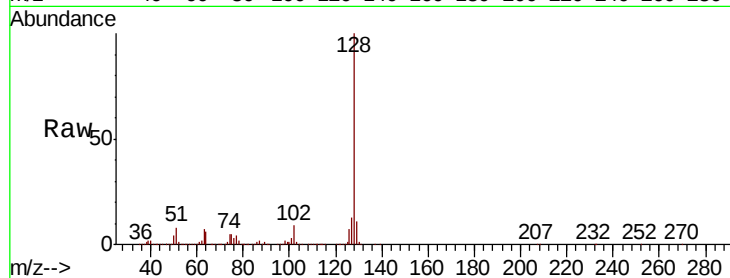
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	759120
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 54.445 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008281.D

Acq: 21 Mar 2019 08:15

Tgt Ion:	180	Resp:	226051
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.5	142.5
145	31.7	14.8	44.3

