

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\
 Data File : VX009176.D
 Acq On : 25 Apr 2019 20:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:05:46 AM

Quant Time: Apr 26 06:55:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	184589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	304613	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	275960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	123926	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
35) Dibromofluoromethane	5.49	113	92459	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	8.71	98	365779	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
62) 4-Bromofluorobenzene	11.13	95	135699	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	101754	47.859	ug/l	97
3) Chloromethane	1.32	50	131649	50.437	ug/l	100
4) Vinyl Chloride	1.40	62	123099	48.455	ug/l	99
5) Bromomethane	1.64	94	76382	48.166	ug/l	97
6) Chloroethane	1.71	64	78449	52.513	ug/l	97
7) Trichlorofluoromethane	1.92	101	140598	47.401	ug/l	98
8) Diethyl Ether	2.19	74	66561	49.068	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	86717	45.725	ug/l	99
10) Methyl Iodide	2.51	142	100463	48.587	ug/l	100
11) Tert butyl alcohol	3.06	59	167671	290.371	ug/l	99
12) 1,1-Dichloroethene	2.37	96	92090	46.522	ug/l	99
13) Acrolein	2.29	56	111467	223.413	ug/l	99
14) Allyl chloride	2.73	41	218368	50.564	ug/l	99
15) Acrylonitrile	3.14	53	386198	263.470	ug/l	100
16) Acetone	2.45	43	335808	248.928	ug/l	99
17) Carbon Disulfide	2.56	76	260816	44.967	ug/l	100
18) Methyl Acetate	2.78	43	177024	52.579	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	348650	49.431	ug/l	99
20) Methylene Chloride	2.85	84	109467	47.450	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	96949	45.918	ug/l	94
22) Diisopropyl ether	3.86	45	422252	50.316	ug/l	89
23) Vinyl Acetate	3.82	43	1908536	258.720	ug/l	99
24) 1,1-Dichloroethane	3.70	63	205889	48.874	ug/l	99
25) 2-Butanone	4.68	43	578837	268.438	ug/l	99
26) 2,2-Dichloropropane	4.58	77	128083	40.562	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	112848	47.075	ug/l	100
28) Bromochloromethane	5.02	49	86084	49.166	ug/l	100
29) Tetrahydrofuran	5.13	42	382794	265.228	ug/l	99
30) Chloroform	5.21	83	186108	49.370	ug/l	98
31) Cyclohexane	5.58	56	195957	47.295	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	154200	49.355	ug/l	99
36) 1,1-Dichloropropene	5.80	75	141038	44.769	ug/l	100
37) Ethyl Acetate	4.84	43	212636	52.454	ug/l	100
38) Carbon Tetrachloride	5.78	117	127599	47.776	ug/l	100

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MMDadoda
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	173051	45.116	ug/l	99
40) Benzene	6.14	78	443301	47.699	ug/l	100
41) Methacrylonitrile	5.04	41	119785	51.485	ug/l	99
42) 1,2-Dichloroethane	6.20	62	158799	48.235	ug/l	99
43) Isopropyl Acetate	6.45	43	335596	51.372	ug/l	99
44) Trichloroethene	7.21	130	103341	45.382	ug/l	99
45) 1,2-Dichloropropane	7.51	63	126813	49.184	ug/l	98
46) Dibromomethane	7.66	93	71419	47.596	ug/l	99
47) Bromodichloromethane	7.90	83	143013	48.593	ug/l	100
48) Methyl methacrylate	7.77	41	169616	52.547	ug/l	99
49) 1,4-Dioxane	7.74	88	68303	1130.550	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1140216	273.970	ug/l	99
52) Toluene	8.79	92	267507	48.027	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	166140	49.051	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	181948	47.975	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	108637	49.212	ug/l	98
56) Ethyl methacrylate	9.18	69	205503	51.917	ug/l	99
57) 1,3-Dichloropropane	9.37	76	193500	49.231	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	503824	236.366	ug/l	100
59) 2-Hexanone	9.49	43	893443	278.446	ug/l	99
60) Dibromochloromethane	9.59	129	108391	51.231	ug/l	99
61) 1,2-Dibromoethane	9.67	107	112160	49.228	ug/l	99
64) Tetrachloroethene	9.34	164	91844	43.810	ug/l	99
65) Chlorobenzene	10.14	112	273188	46.901	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	99836	48.653	ug/l	100
67) Ethyl Benzene	10.25	91	512617	48.142	ug/l	99
68) m/p-Xylenes	10.36	106	374815	96.859	ug/l	99
69) o-Xylene	10.70	106	184963	49.123	ug/l	99
70) Styrene	10.71	104	327166	50.141	ug/l	100
71) Bromoform	10.85	173	82882	50.699	ug/l #	98
73) Isopropylbenzene	11.02	105	487887	47.796	ug/l	100
74) N-amyl acetate	10.90	43	306857	52.355	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	187001	50.138	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	185018m	56.265	ug/l	
77) Bromobenzene	11.26	156	121983	47.363	ug/l	99
78) n-propylbenzene	11.36	91	560310	47.824	ug/l	99
79) 2-Chlorotoluene	11.42	91	339118	48.032	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	414468	48.386	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	61688	48.161	ug/l	98
82) 4-Chlorotoluene	11.51	91	388395	47.368	ug/l	100
83) tert-Butylbenzene	11.77	119	405134	49.262	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	416221	47.735	ug/l	100
85) sec-Butylbenzene	11.94	105	471254	48.045	ug/l	100
86) p-Isopropyltoluene	12.06	119	429100	47.584	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	212228	47.081	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	212127	46.423	ug/l	100
89) n-Butylbenzene	12.39	91	384476	45.780	ug/l	100
90) Hexachloroethane	12.60	117	73326	49.294	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	216976	48.746	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43846	51.632	ug/l	98

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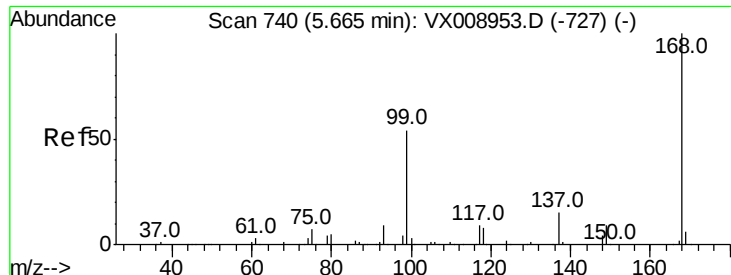
Manual Integrations
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MMdadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	150438	46.819	ug/l	99
94) Hexachlorobutadiene	13.78	225	73085	45.605	ug/l	99
95) Naphthalene	13.83	128	510400	49.580	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	150810	47.569	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 184589

Ion Ratio Lower Upper

168 100

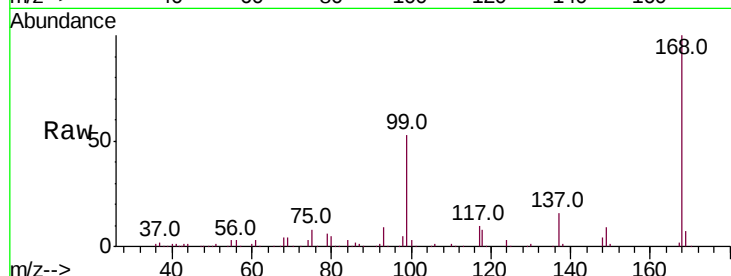
99 53.4 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

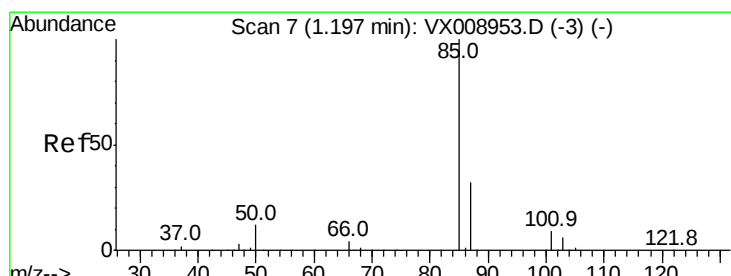
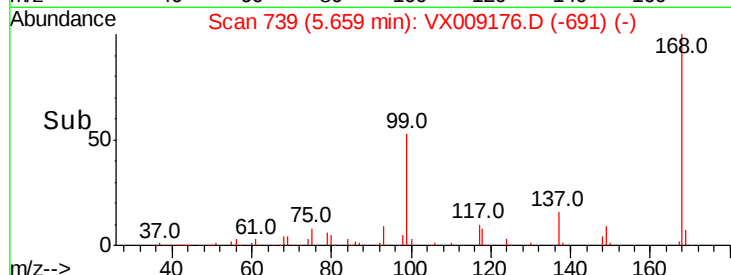
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.859 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009176.D

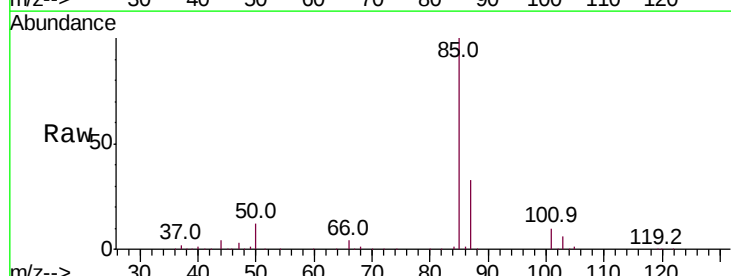
Acq: 25 Apr 2019 20:37

Tgt Ion: 85 Resp: 101754

Ion Ratio Lower Upper

85 100

87 33.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

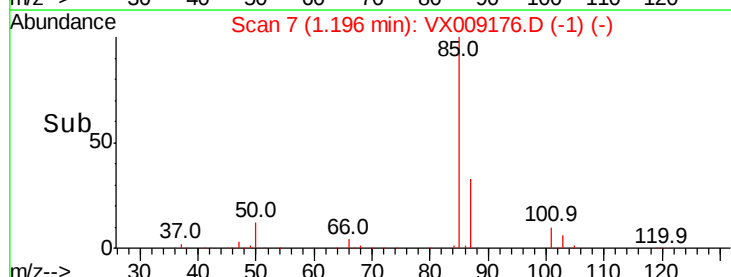
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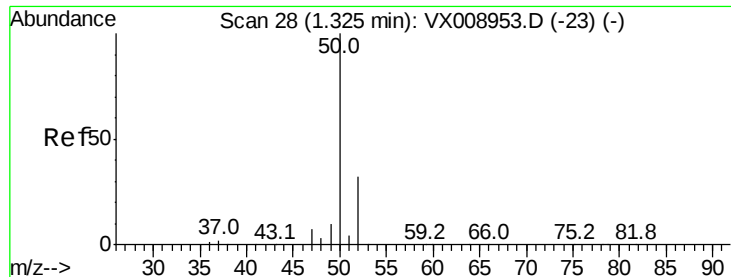
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20000

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Time-->





#3

Chloromethane

Concen: 50.437 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 131649

Ion Ratio Lower Upper

50 100

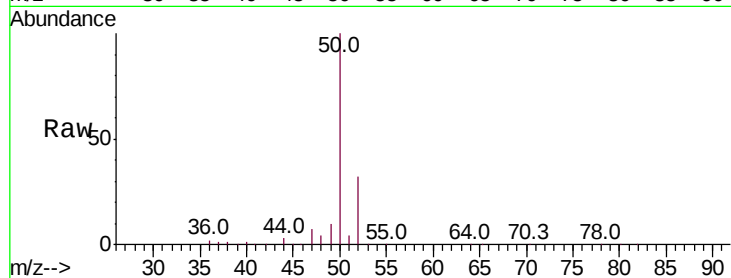
52 32.1 25.5 38.3

Manual Integrations

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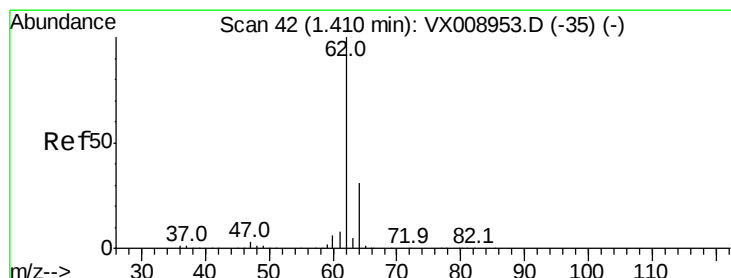
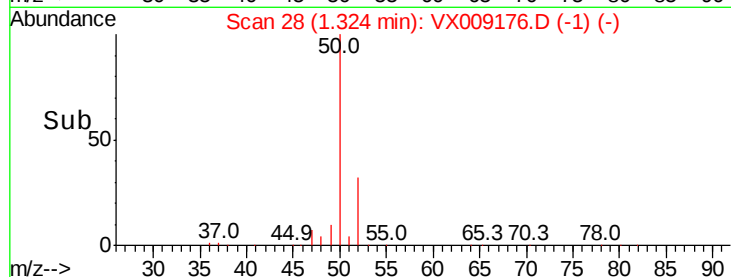
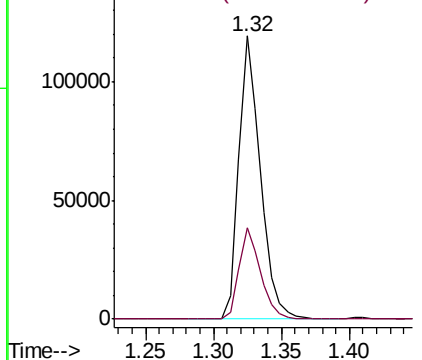
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.455 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009176.D

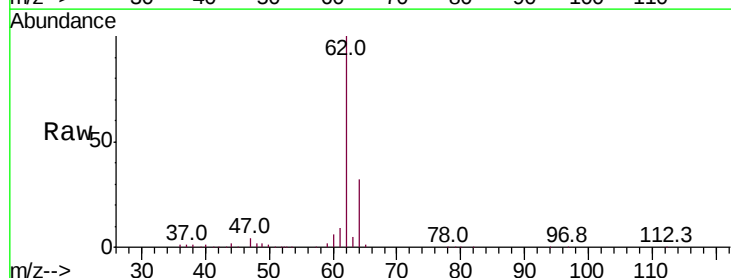
Acq: 25 Apr 2019 20:37

Tgt Ion: 62 Resp: 123099

Ion Ratio Lower Upper

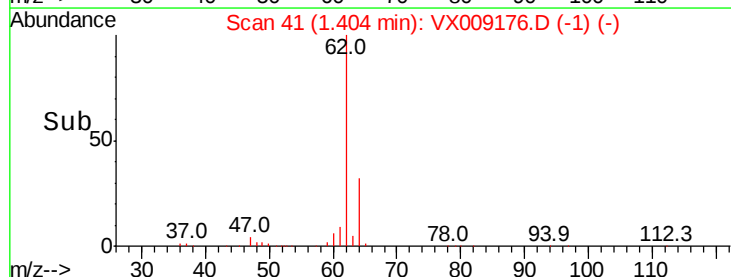
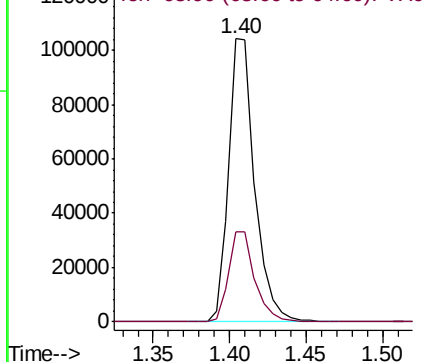
62 100

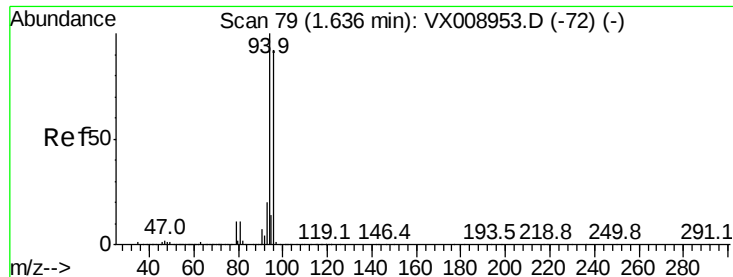
64 31.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 48.166 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Tot Ion: 94 Resp: 76382

Ion Ratio Lower Upper

94 100

96 94.9 73.9 110.9

Instrument :

MSVOA_X

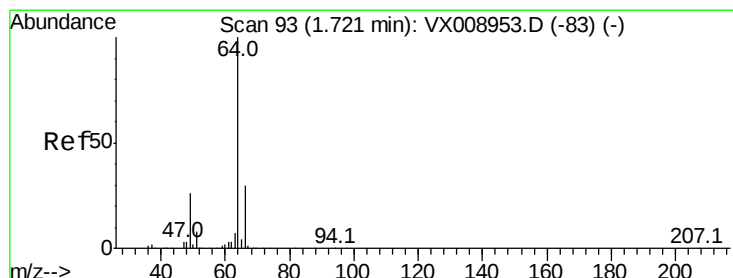
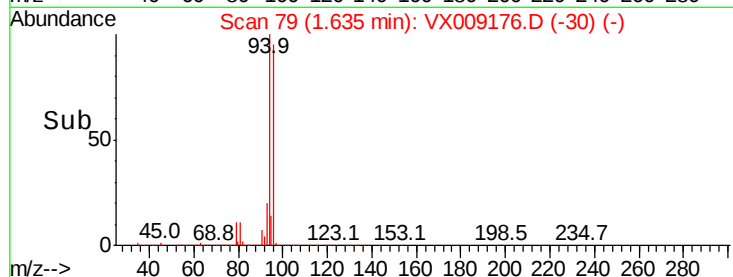
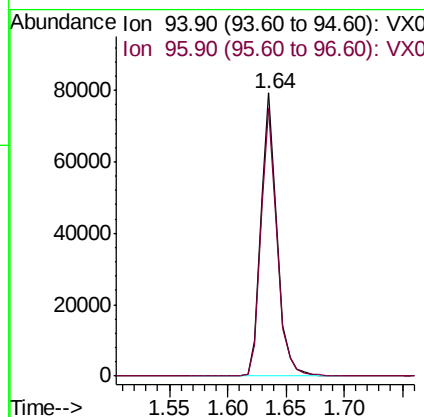
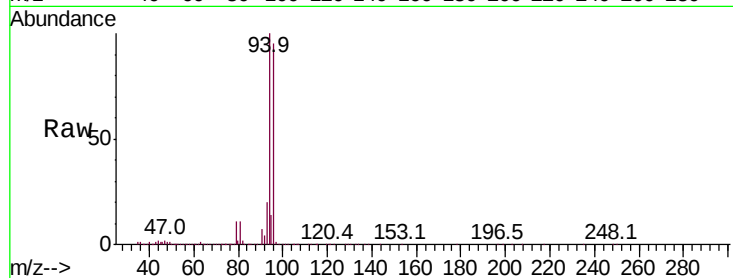
ClientSampleId :

VSTDCCC050EC

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#6

Chloroethane

Concen: 52.513 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009176.D

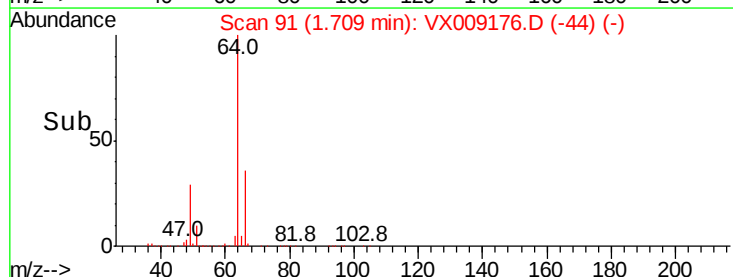
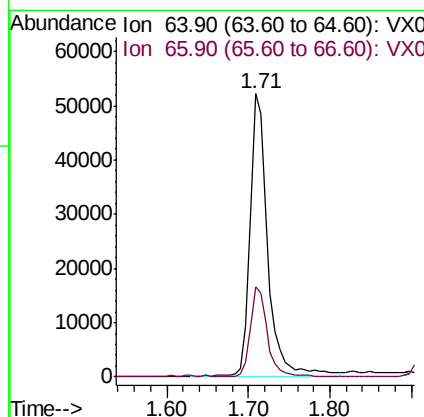
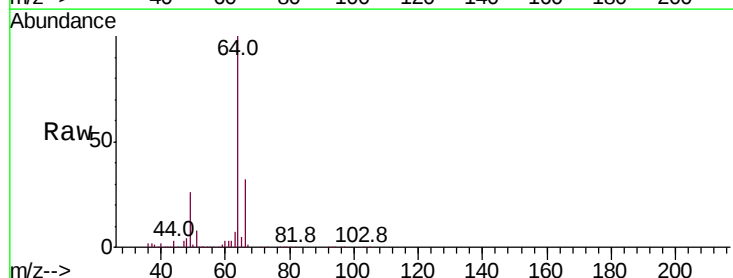
Acq: 25 Apr 2019 20:37

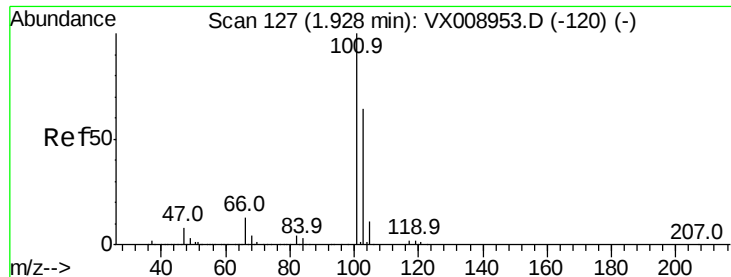
Tgt Ion: 64 Resp: 78449

Ion Ratio Lower Upper

64 100

66 31.6 24.2 36.2





#7

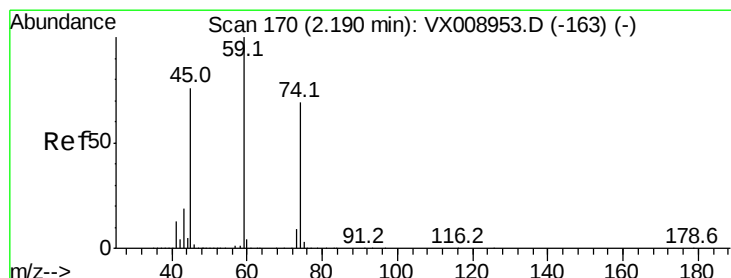
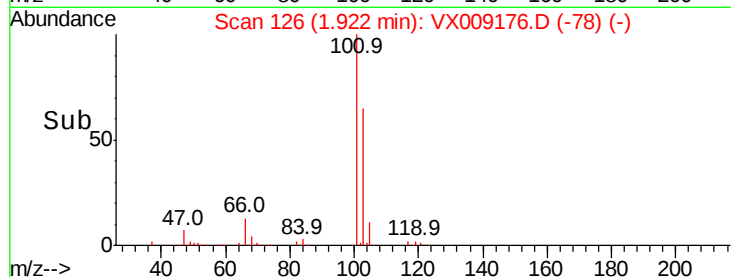
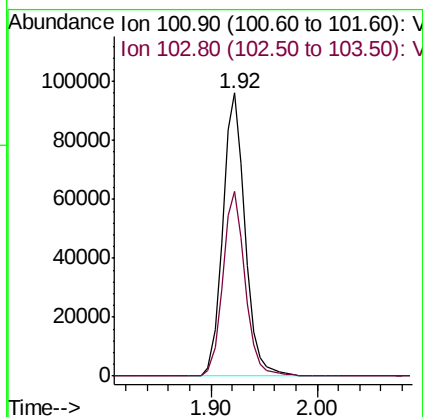
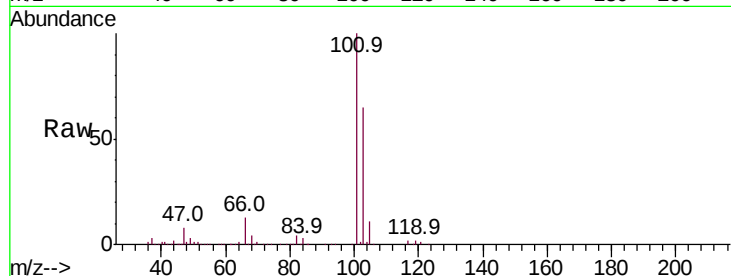
Trichlorofluoromethane
Concen: 47.401 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	140598		
103	65.5	51.0	76.6	

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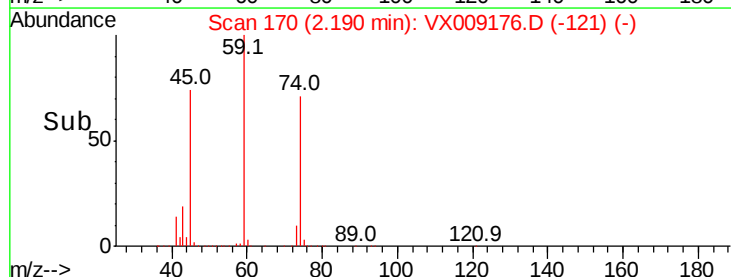
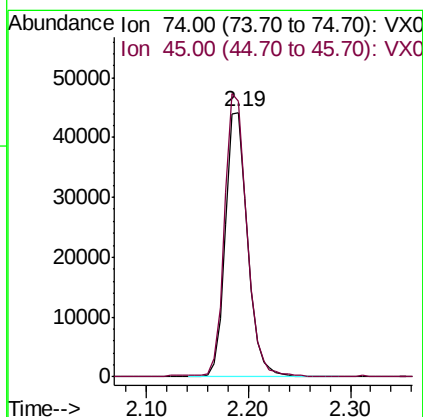
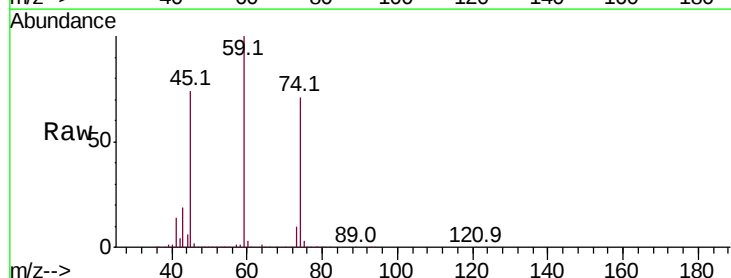
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4/26/2019 10:05:46 AM

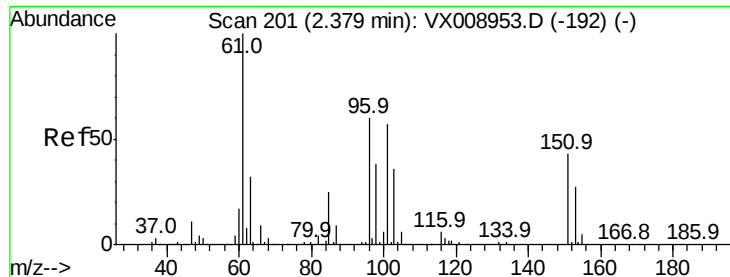


#8

Diethyl Ether
Concen: 49.068 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	66561		
45	106.8	54.9	164.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.725 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

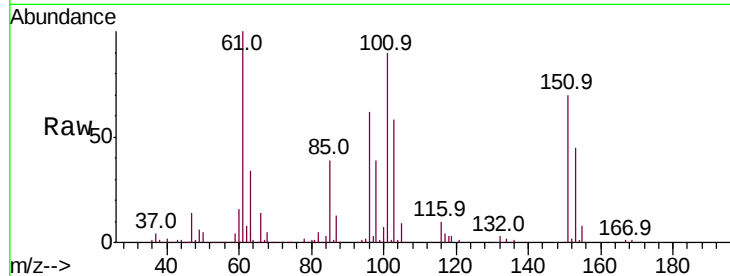
ClientSampleId :

VSTDCCC050EC

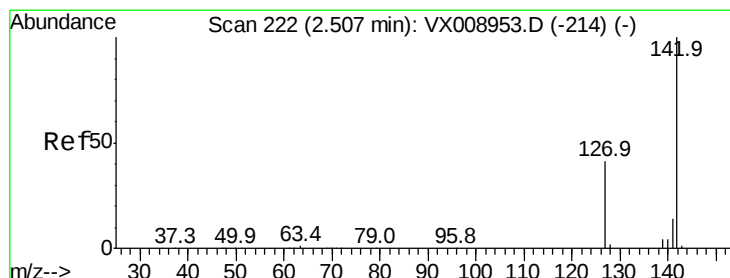
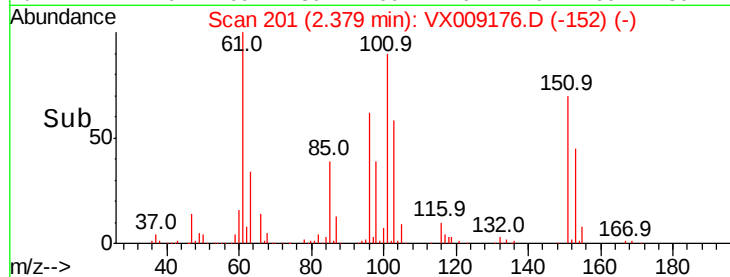
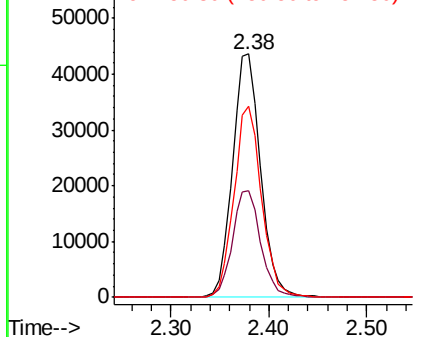
Tot Ion:	101	Resp:	86717
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.7	53.5
151	77.7	62.7	94.1

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.587 ug/l

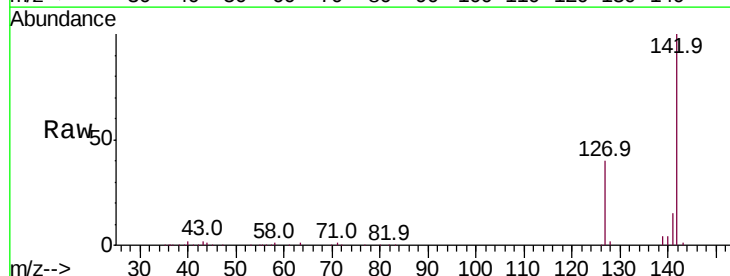
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

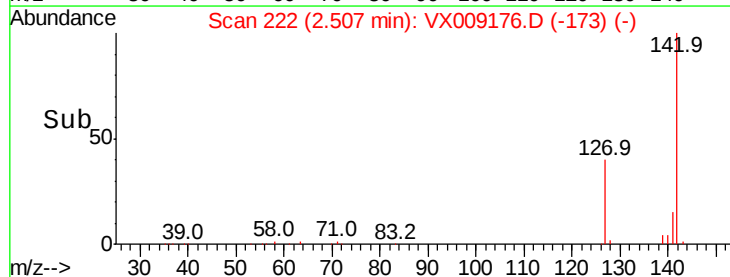
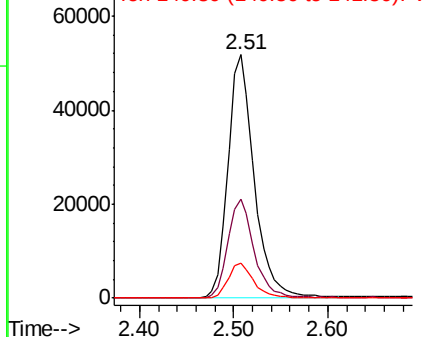
Lab File: VX009176.D

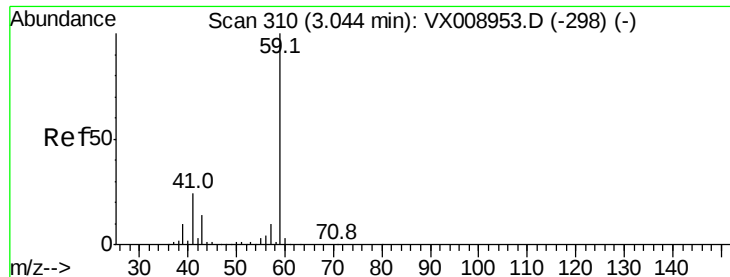
Acq: 25 Apr 2019 20:37

Tgt Ion:	142	Resp:	100463
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.8	49.2
141	14.2	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

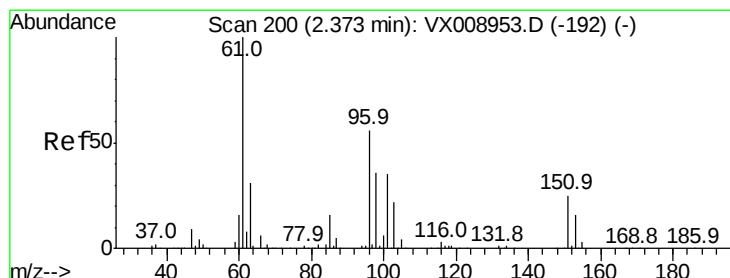
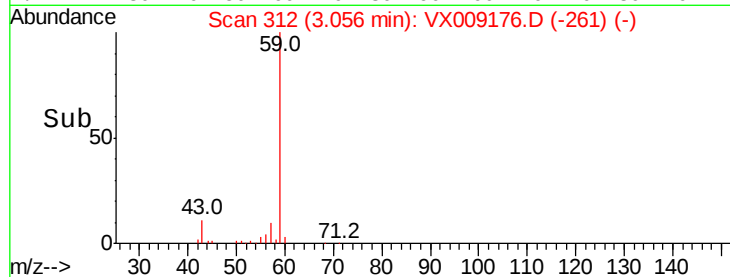
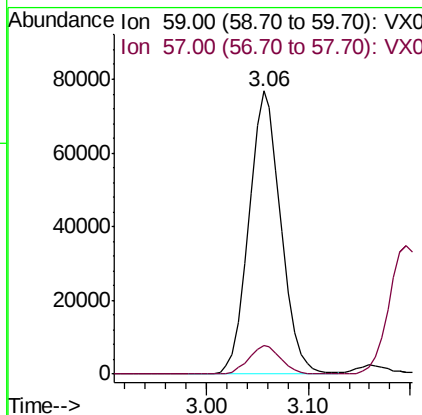
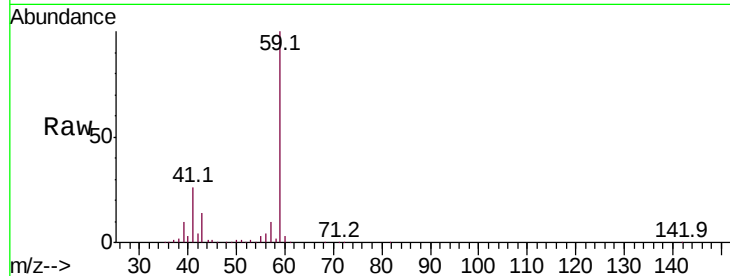
Tert butyl alcohol
Concen: 290.371 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Ratio	100	Resp	167671
Ion	59	100		Lower	Upper
	57	10.2		8.4	12.6

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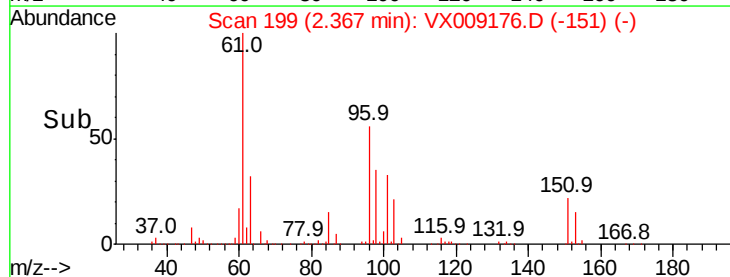
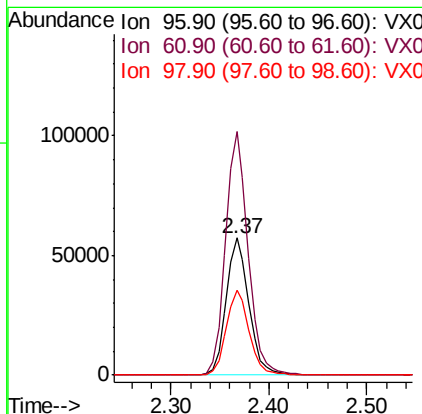
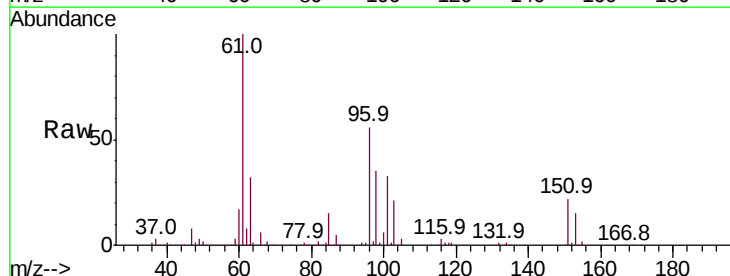
MMDadoda
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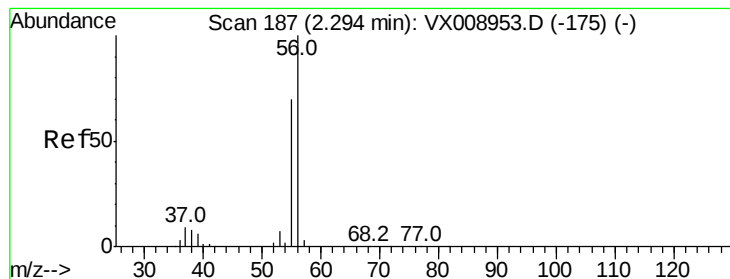


#12

1,1-Dichloroethene
Concen: 46.522 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion	96	Ratio	100	Resp	92090
Ion	96	100		Lower	Upper
	61	177.3		142.2	213.2
	98	62.2		50.9	76.3





#13

Acrolein

Concen: 223.413 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 111467

Ion Ratio Lower Upper

56 100

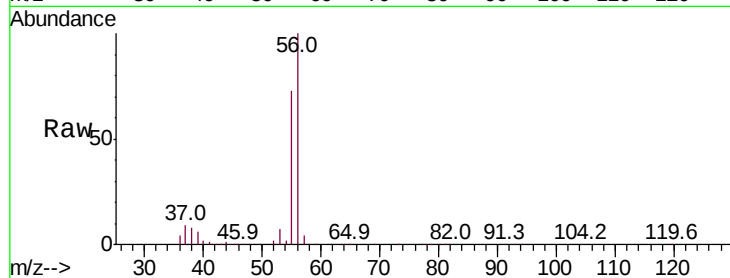
55 71.9 56.6 84.8

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

80000

60000

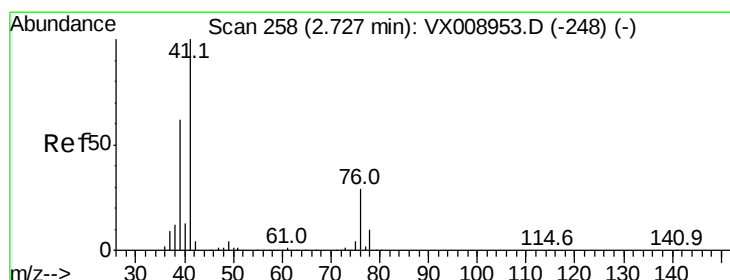
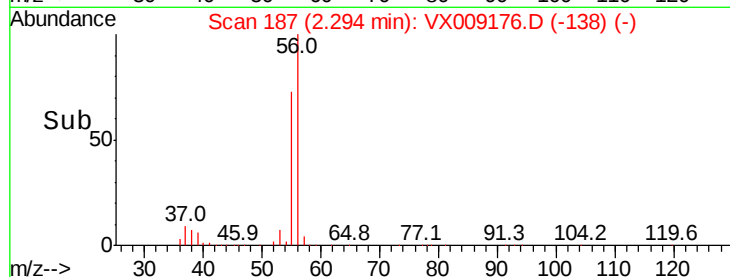
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 50.564 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

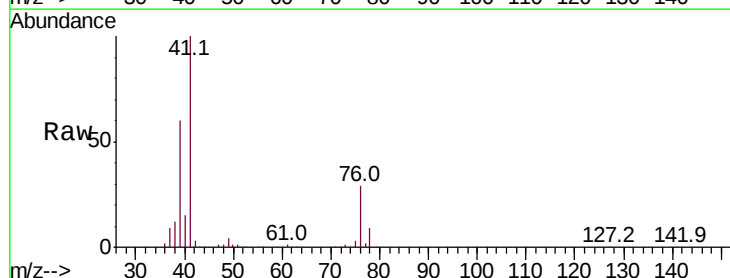
Tgt Ion: 41 Resp: 218368

Ion Ratio Lower Upper

41 100

39 57.4 46.7 70.1

76 26.8 22.0 33.0



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

2.73

150000

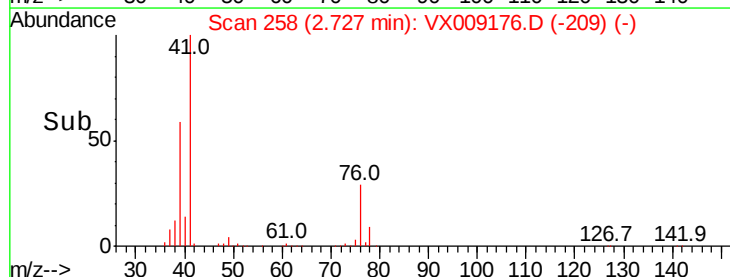
100000

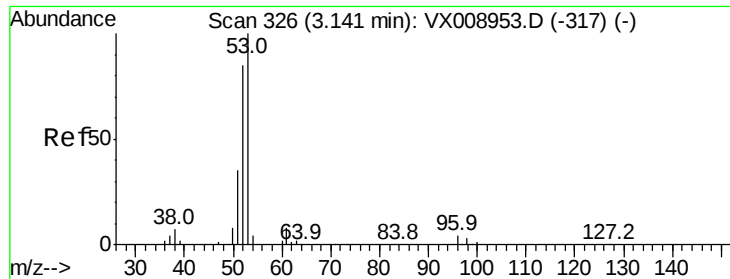
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 263.470 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

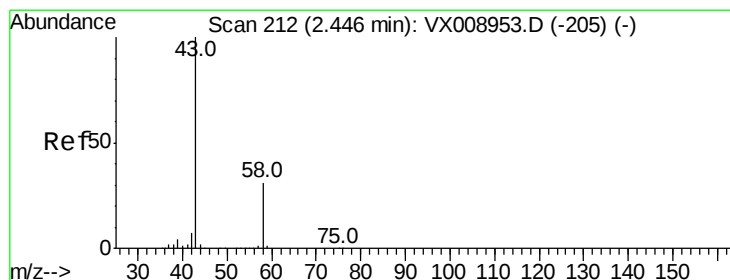
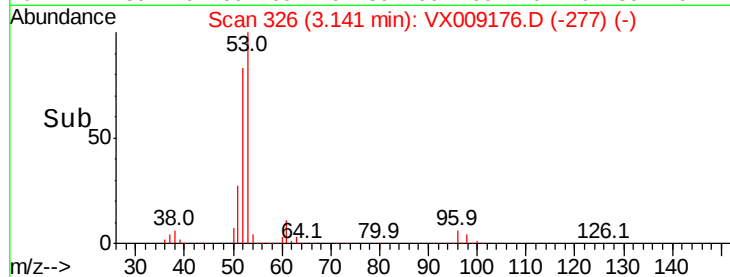
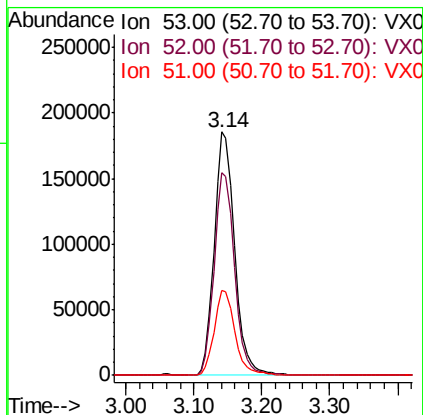
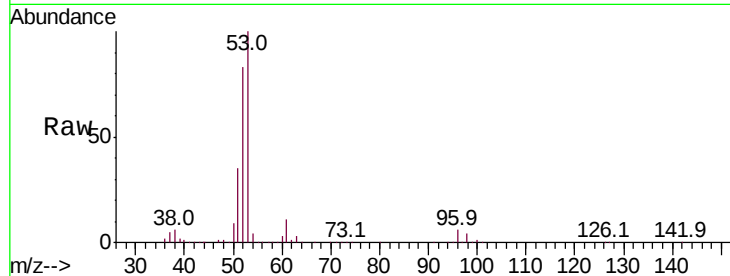
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	386198
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.6	100.0
51	35.4	28.3	42.5

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#16

Acetone

Concen: 248.928 ug/l

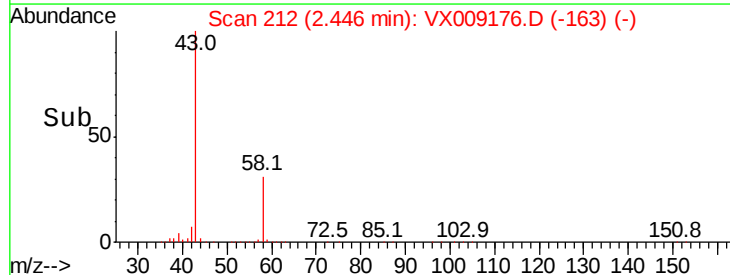
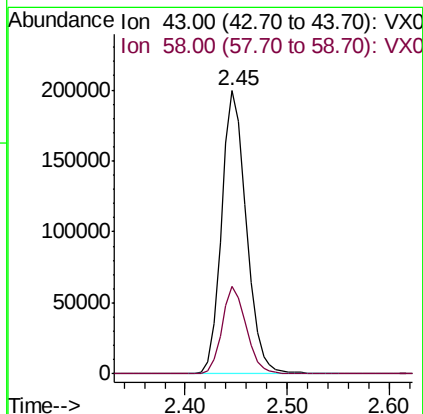
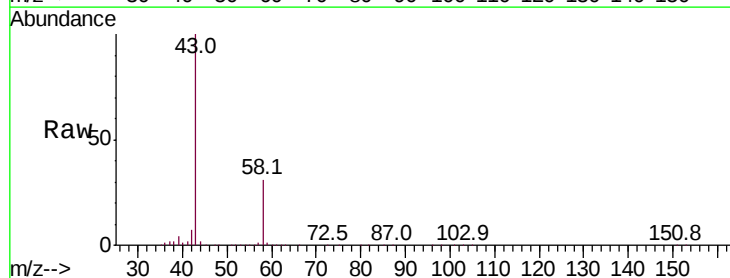
RT: 2.45 min Scan# 212

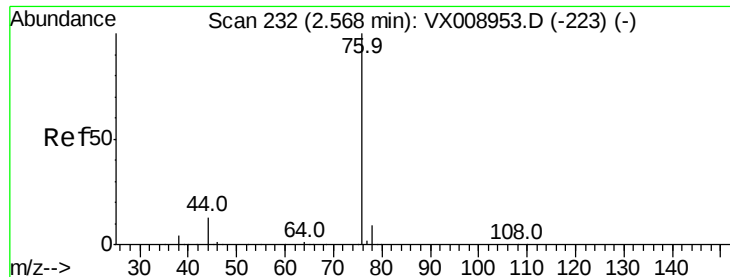
Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Tgt Ion:	43	Resp:	335808
Ion Ratio	Lower	Upper	
43	100		
58	30.7	24.8	37.2





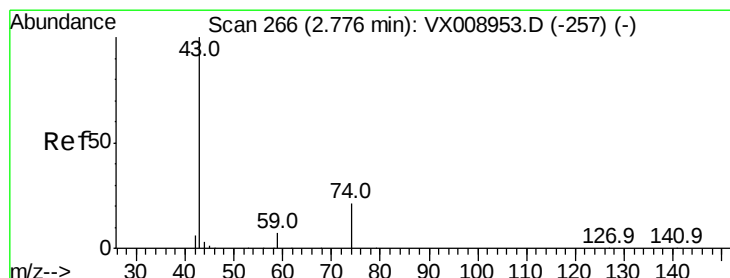
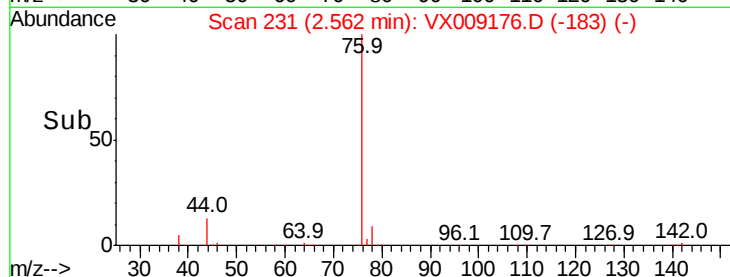
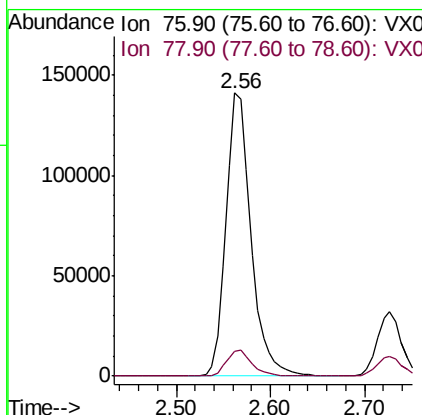
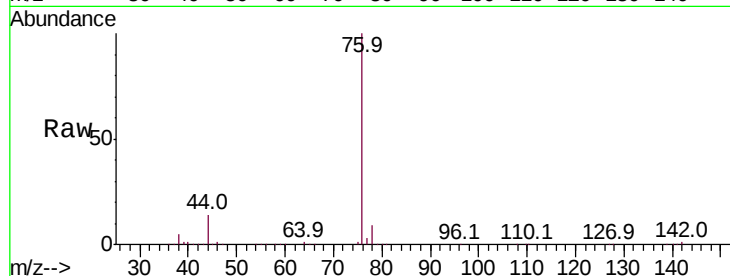
#17
Carbon Disulfide
Concen: 44.967 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

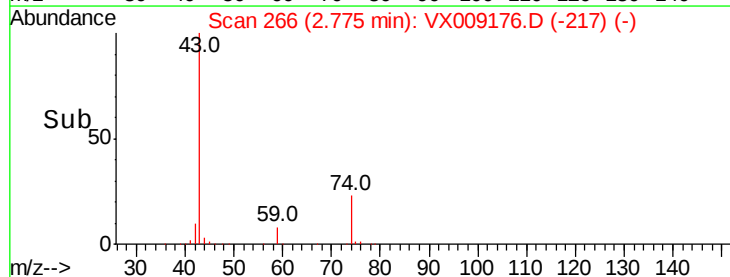
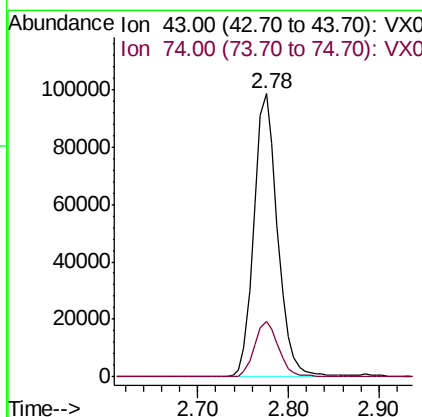
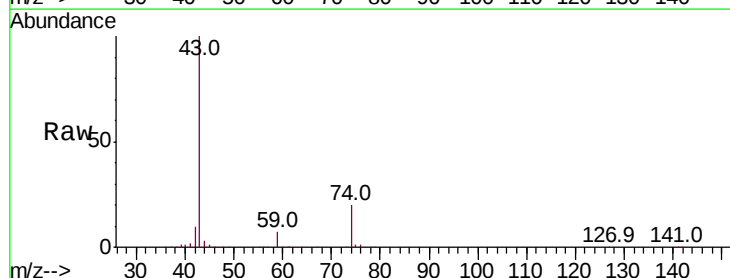
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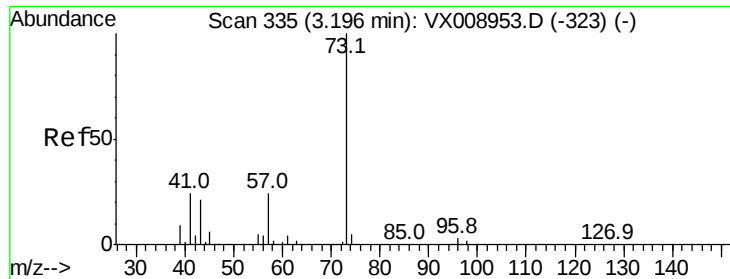
MMDadoda
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#18
Methyl Acetate
Concen: 52.579 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	16.6	25.0





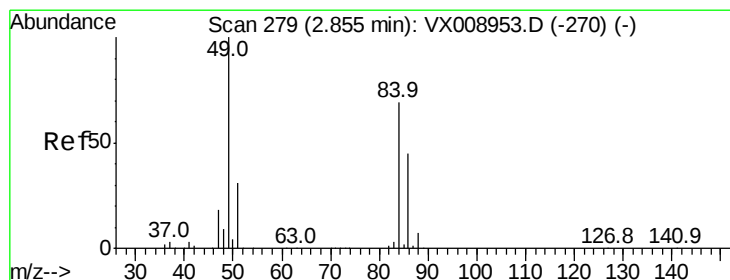
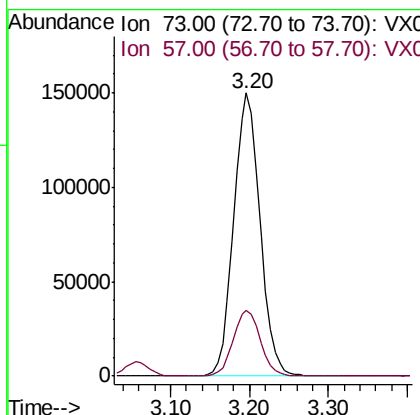
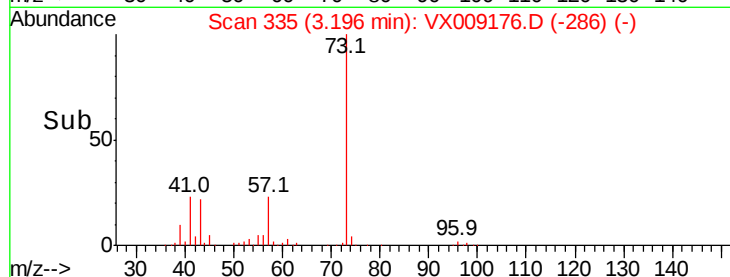
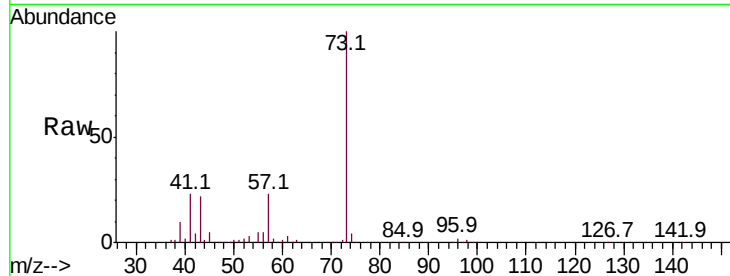
#19
Methyl tert-butyl Ether
Concen: 49.431 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	19.2	28.8

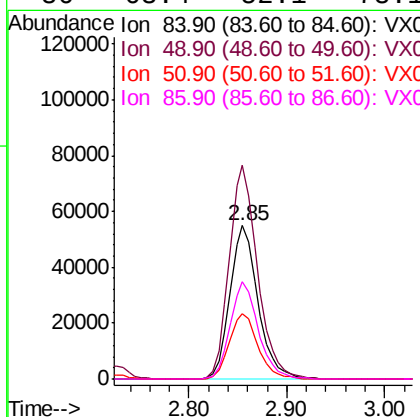
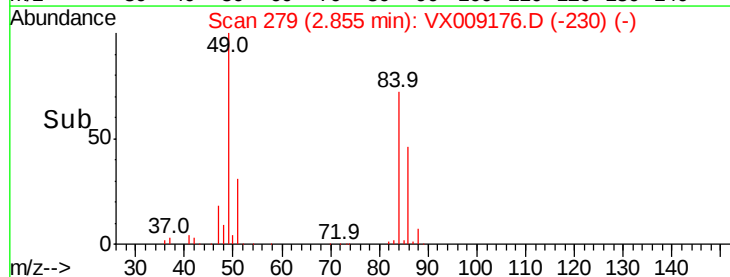
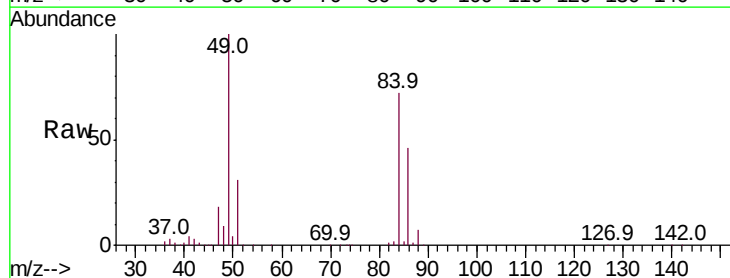
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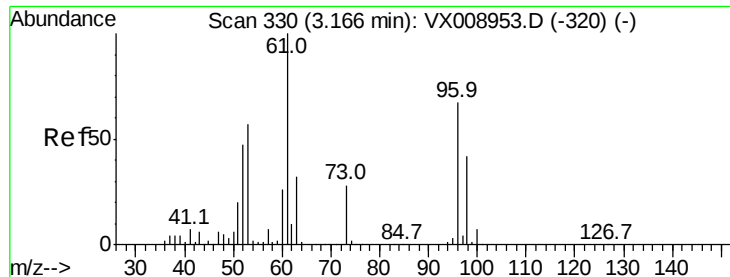
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#20
Methylene Chloride
Concen: 47.450 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.0	115.4	173.0
51	42.6	35.8	53.6
86	63.4	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 45.918 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 96949

Ion Ratio Lower Upper

96 100

61 161.2 120.3 180.5

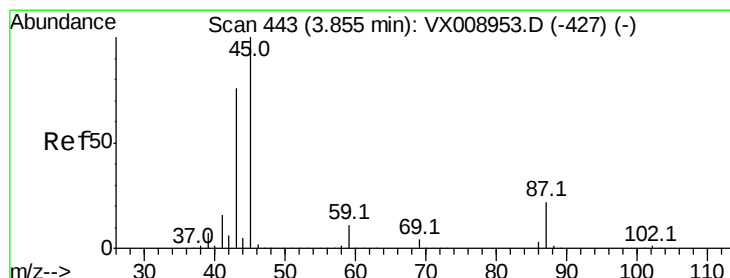
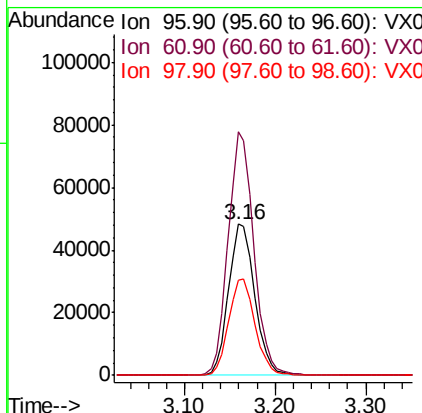
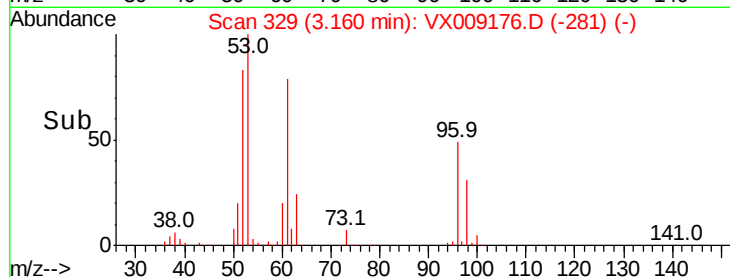
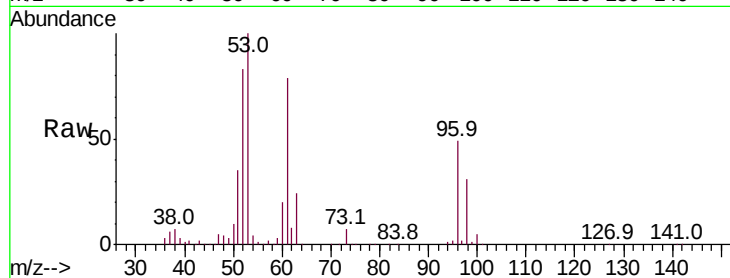
98 63.3 50.2 75.2

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#22

Diisopropyl ether

Concen: 50.316 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Tgt Ion: 45 Resp: 422252

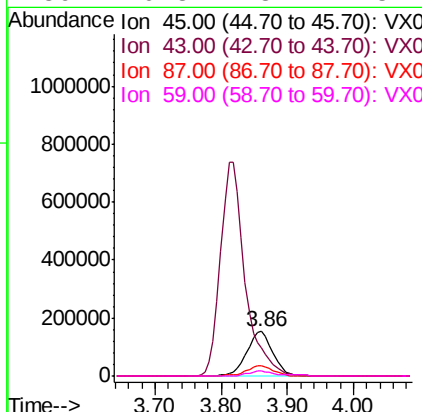
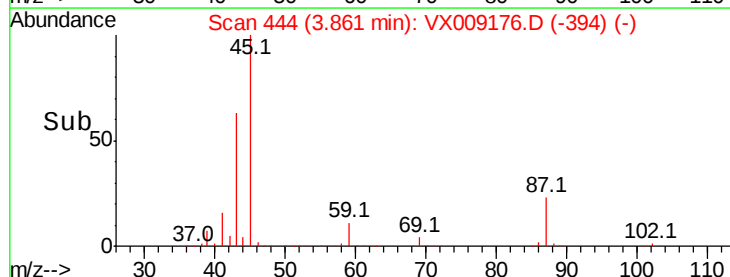
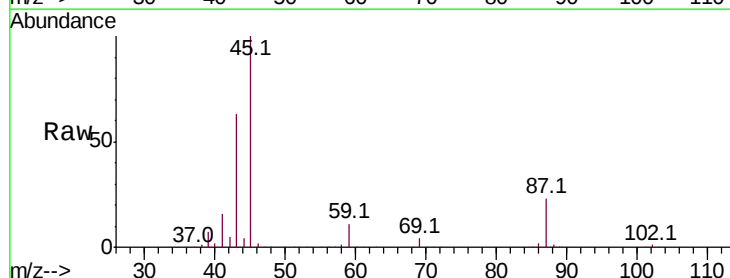
Ion Ratio Lower Upper

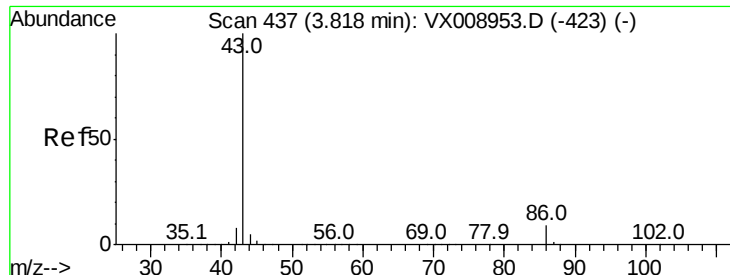
45 100

43 62.7 60.6 91.0

87 22.7 17.8 26.8

59 10.8 8.7 13.1





#23

Vinyl Acetate

Concen: 258.720 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1908536

Ion Ratio Lower Upper

43 100

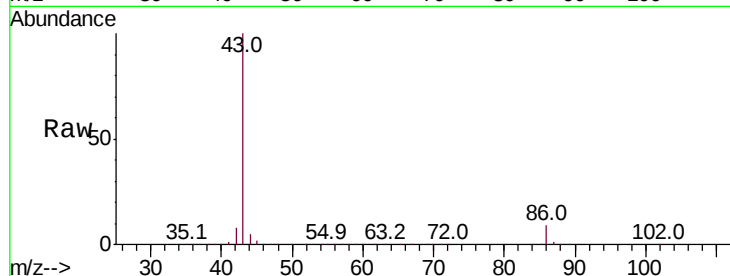
86 8.6 7.1 10.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

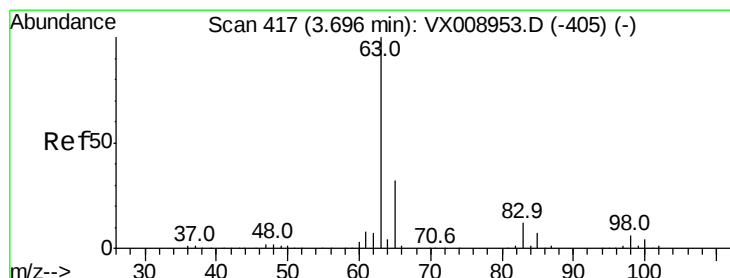
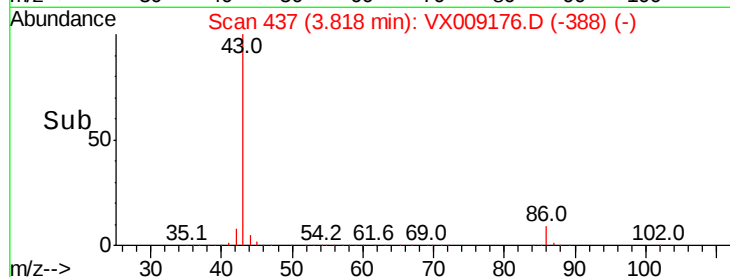
400000

200000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 48.874 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

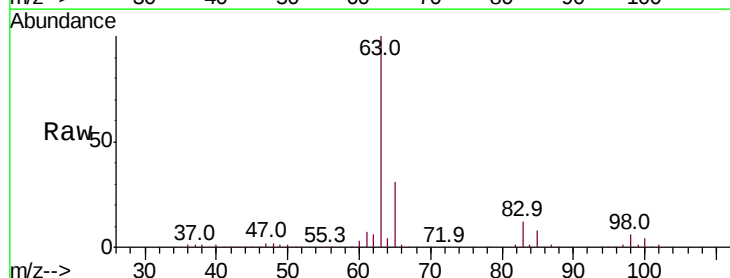
Tgt Ion: 63 Resp: 205889

Ion Ratio Lower Upper

63 100

98 5.8 3.1 9.3

100 3.6 1.9 5.7



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

100000

80000

60000

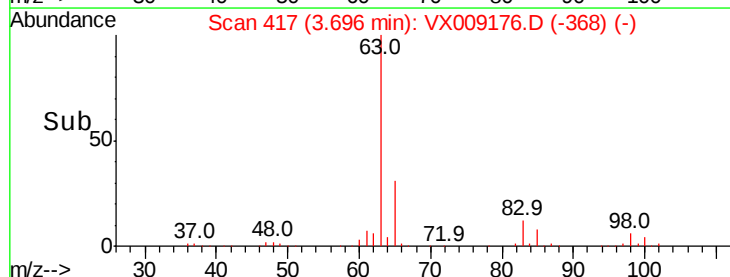
40000

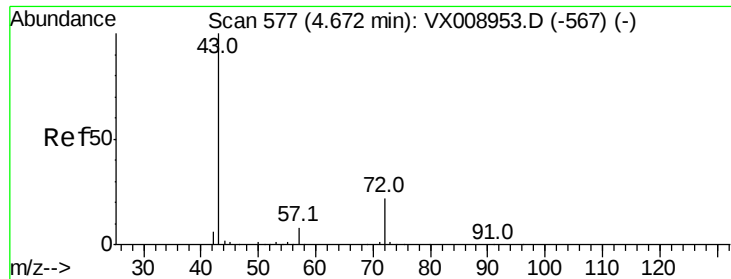
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 268.438 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Tot Ion: 43 Resp: 578837

Ion Ratio Lower Upper

43 100

72 22.3 17.5 26.3

Instrument :

MSVOA_X

ClientSampleId :

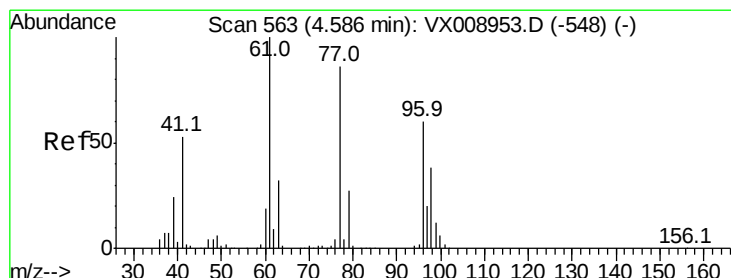
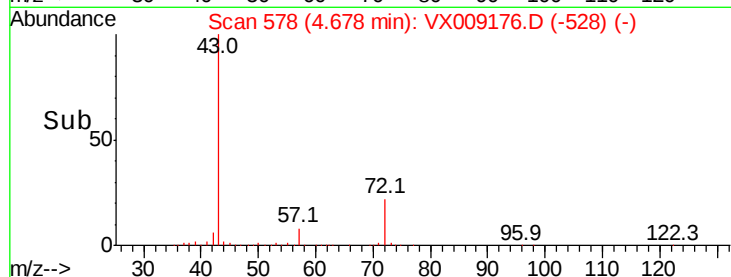
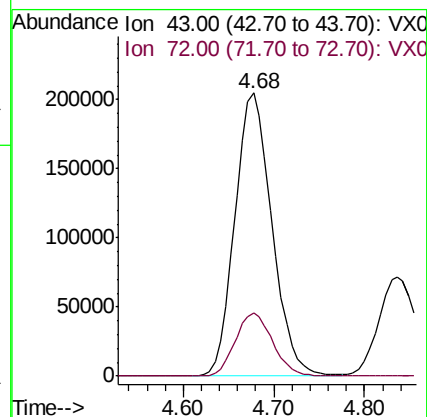
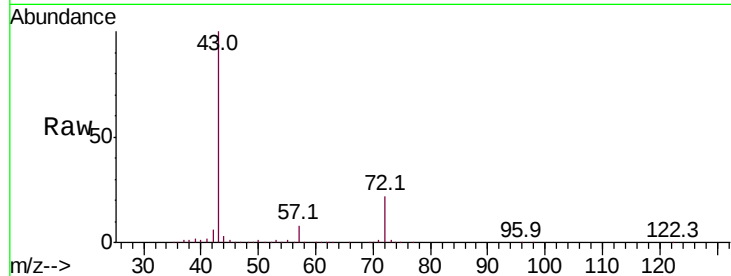
VSTDCCC050EC

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#26

2,2-Dichloropropane

Concen: 40.562 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009176.D

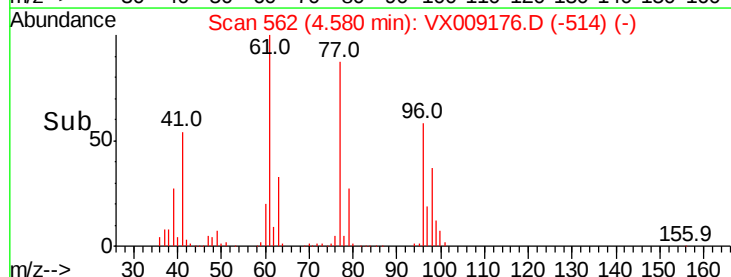
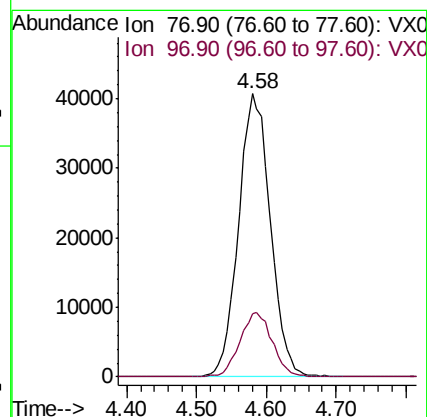
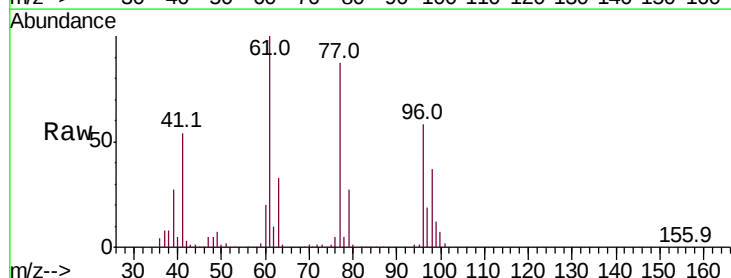
Acq: 25 Apr 2019 20:37

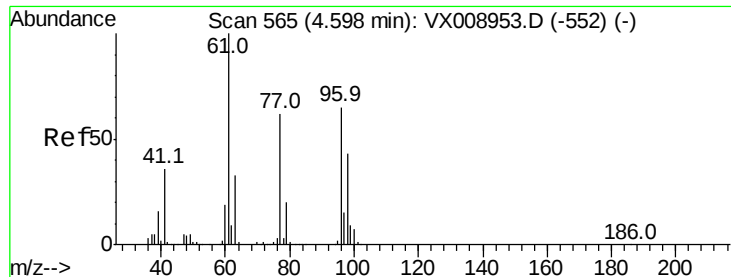
Tgt Ion: 77 Resp: 128083

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0





#27

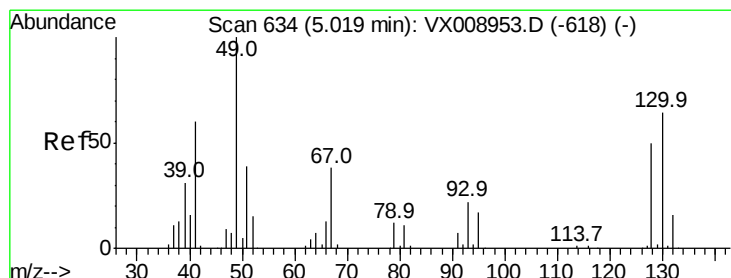
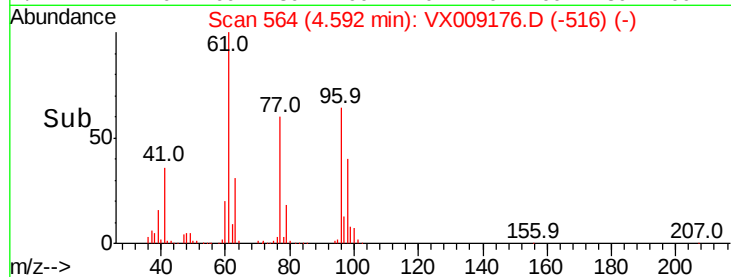
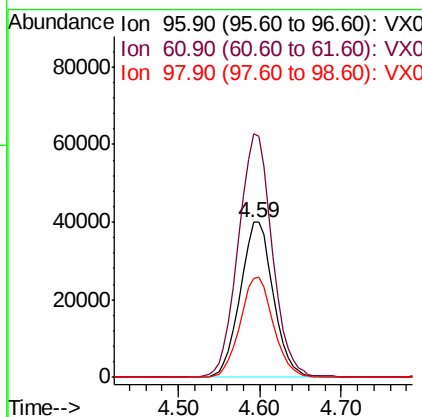
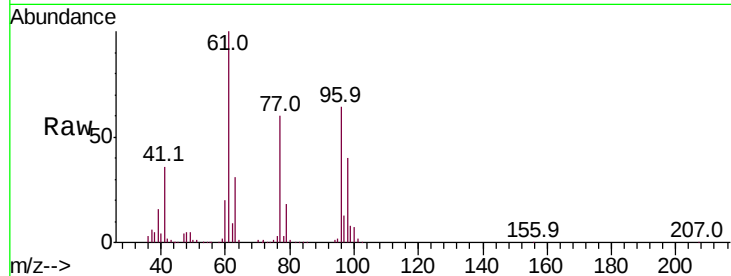
cis-1,2-Dichloroethene
 Concen: 47.075 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX009176.D
 Acq: 25 Apr 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	112848		
61	161.0	0.0	322.0	
98	64.7	0.0	128.4	

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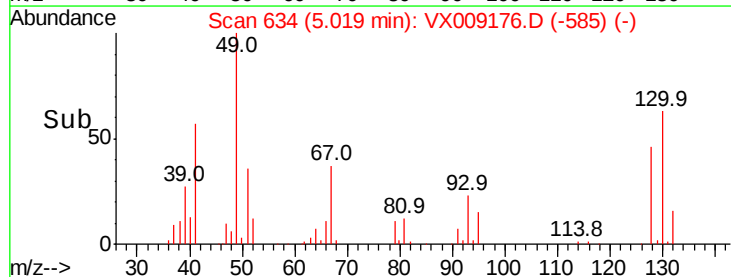
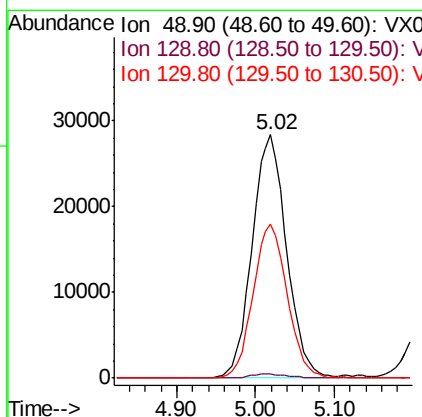
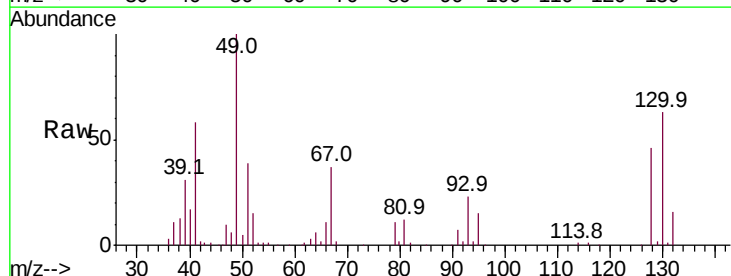
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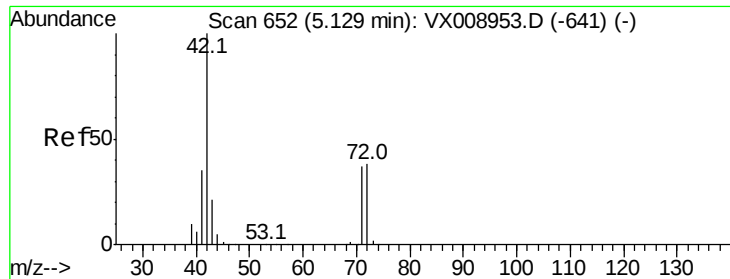


#28

Bromochloromethane
 Concen: 49.166 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX009176.D
 Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	86084		
129	1.8	0.0	3.6	
130	62.7	50.4	75.6	





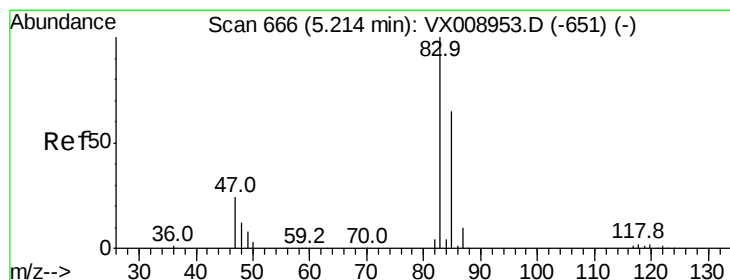
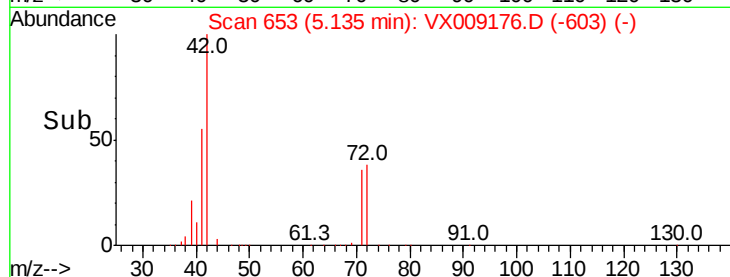
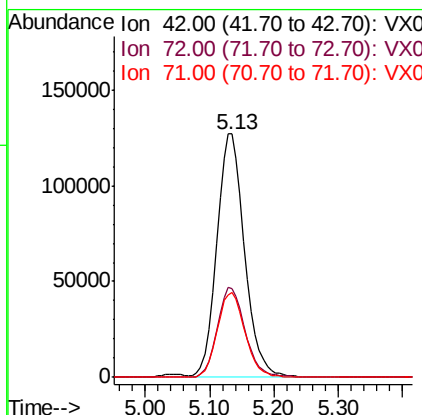
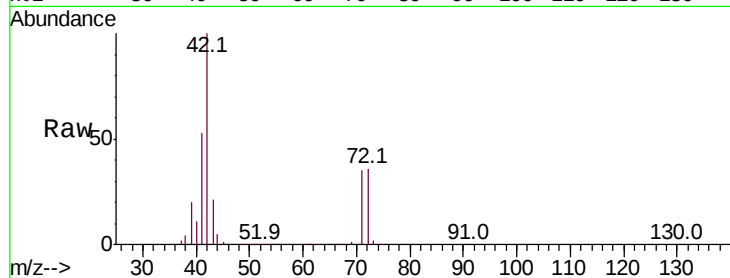
#29
Tetrahydrofuran
Concen: 265.228 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.6	45.8
71	35.4	28.8	43.2

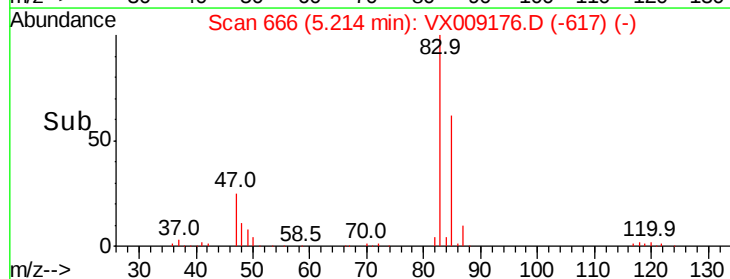
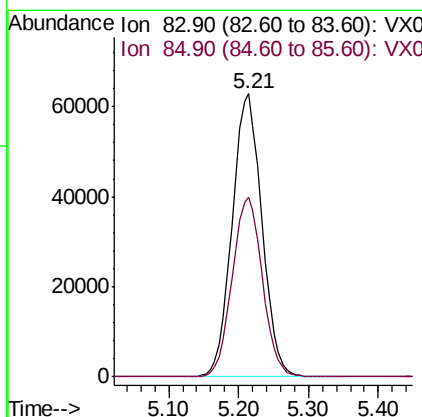
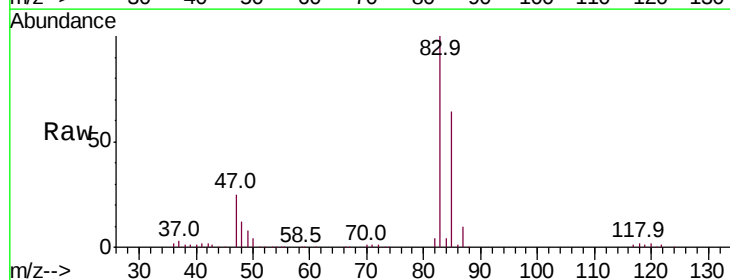
Manual Integrations
APPROVED

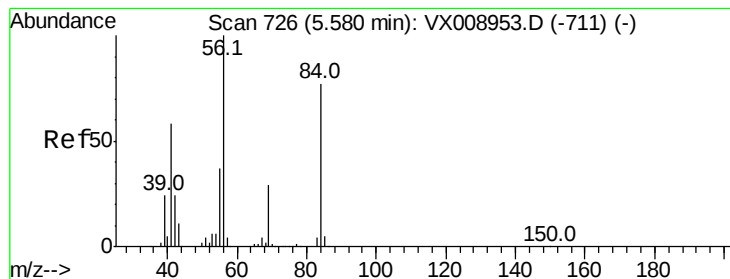
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#30
Chloroform
Concen: 49.370 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.9	77.9





#31

Cyclohexane

Concen: 47.295 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

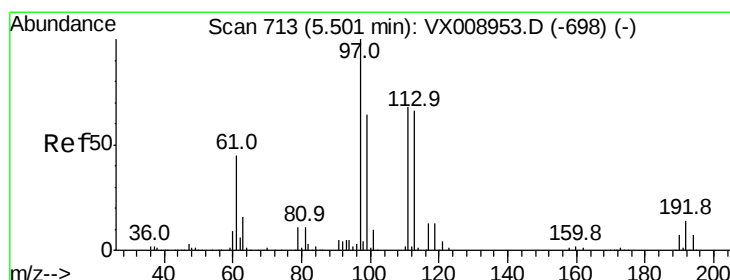
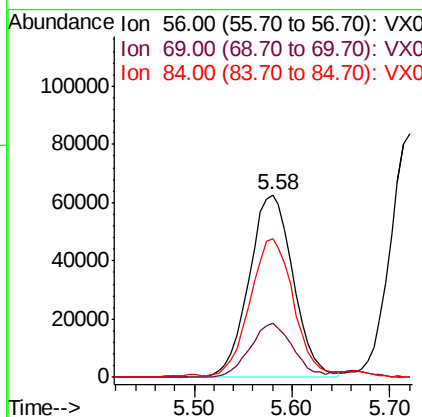
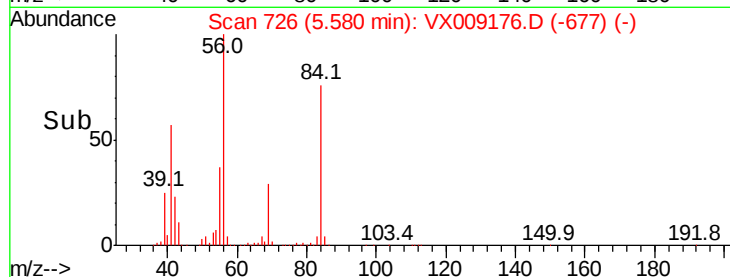
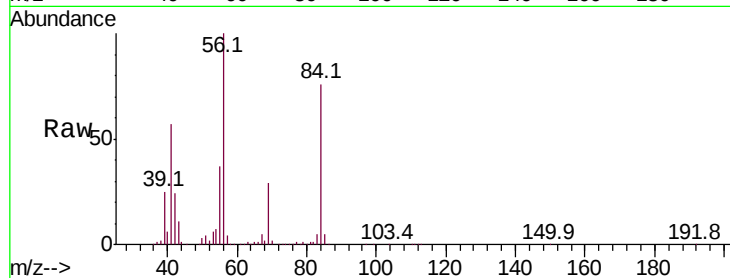
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	195957
Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.3	34.9
84	74.9	61.7	92.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.355 ug/l

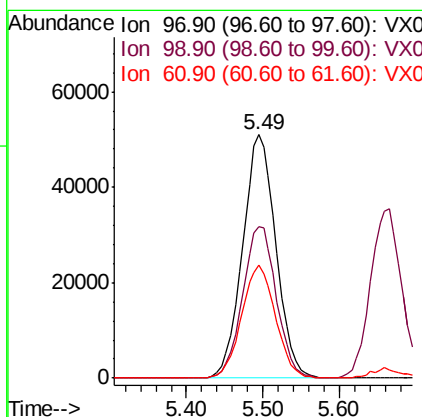
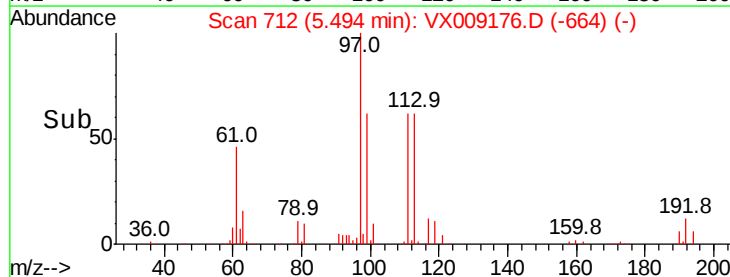
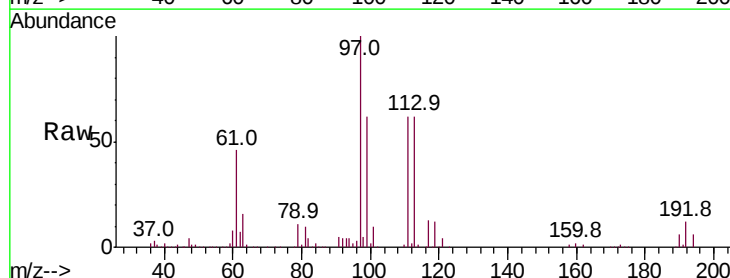
RT: 5.49 min Scan# 712

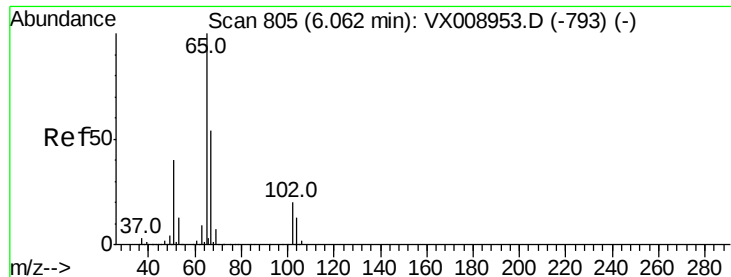
Delta R.T. -0.01 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Tgt Ion:	97	Resp:	154200
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.6	77.4
61	47.1	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 47.639 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 123926

Ion Ratio Lower Upper

65 100

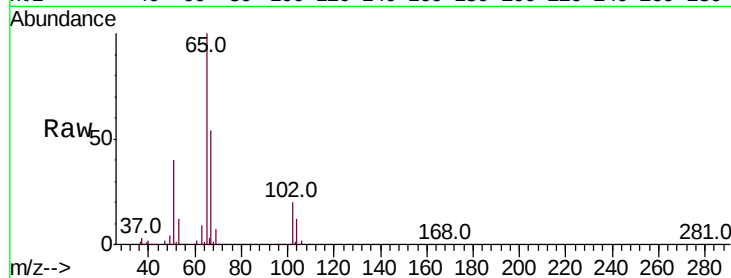
67 54.6 0.0 108.6

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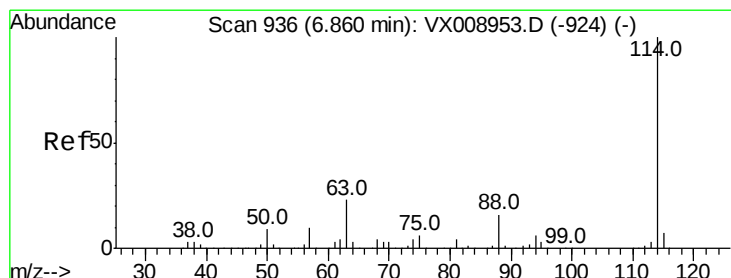
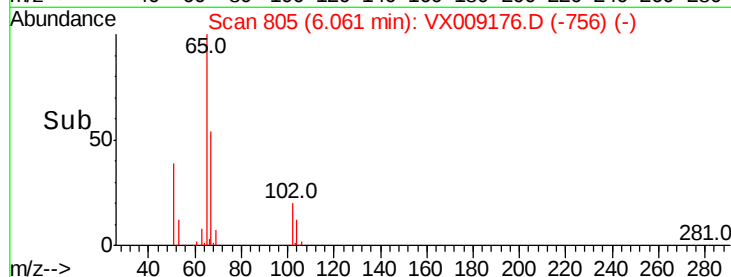
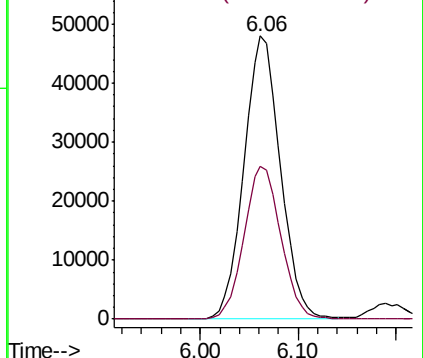
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Abundance Ion 64.90 (64.60 to 65.60): VX0

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: VX009176.D

Acq: 25 Apr 2019 20:37

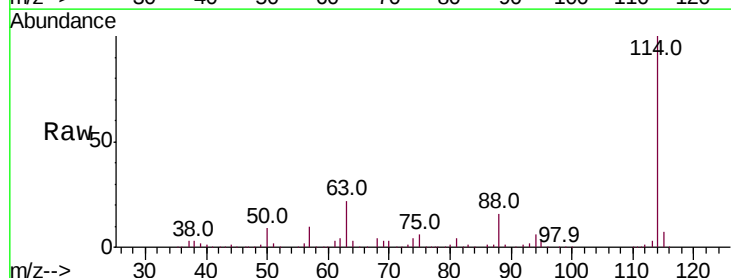
Tgt Ion: 114 Resp: 304613

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.0

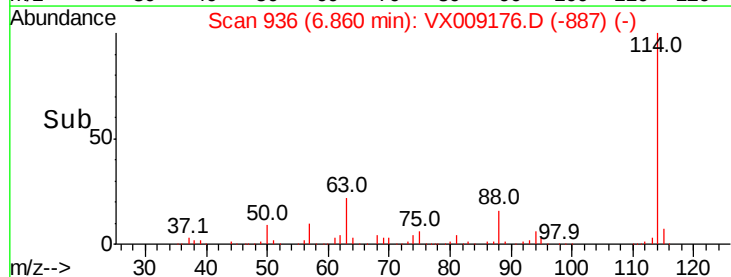
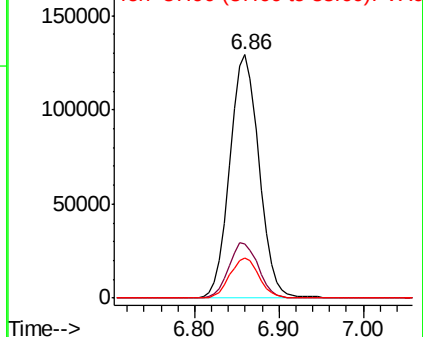
88 16.5 0.0 32.6

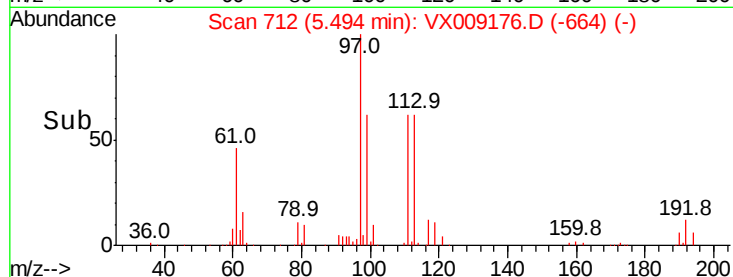
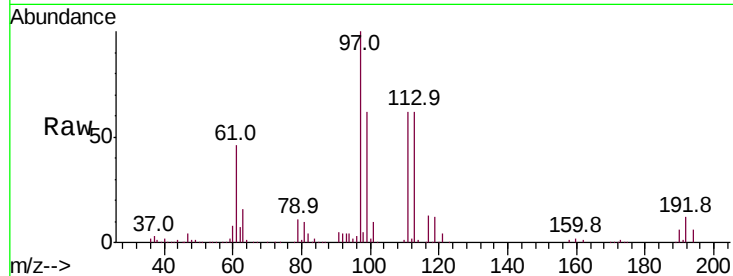
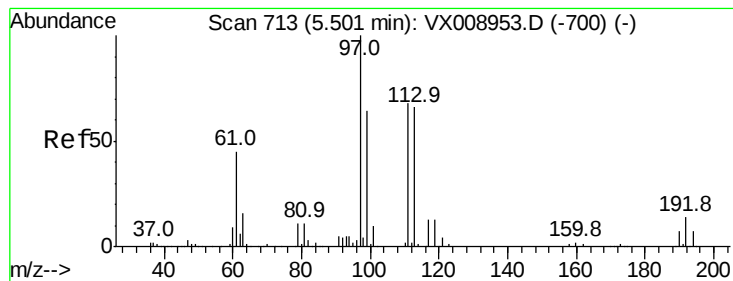


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.295 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Tot Ion:	113	Resp:	92459
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	21.5	17.4	26.0

Instrument :

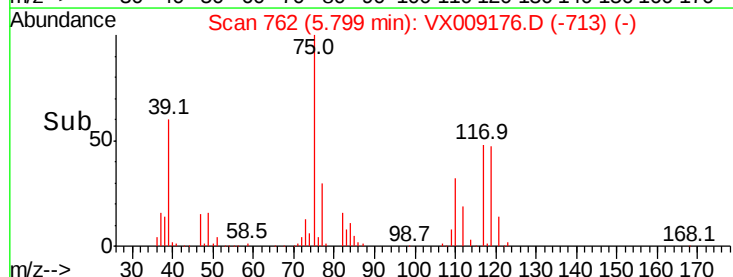
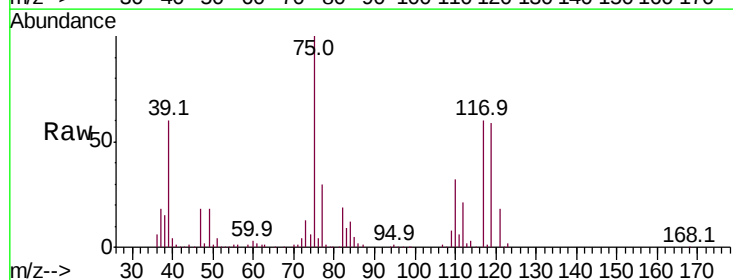
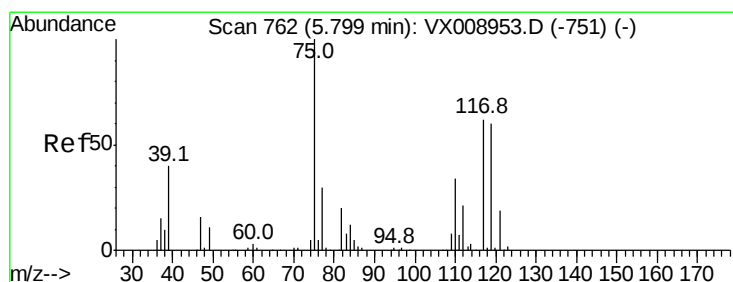
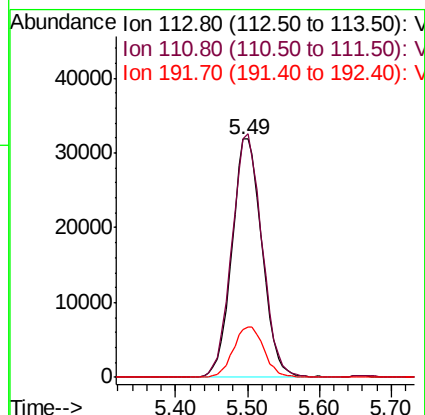
MSVOA_X

ClientSampleId :

VSTDCCC050EC

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#36

1,1-Dichloropropene

Concen: 44.769 ug/l

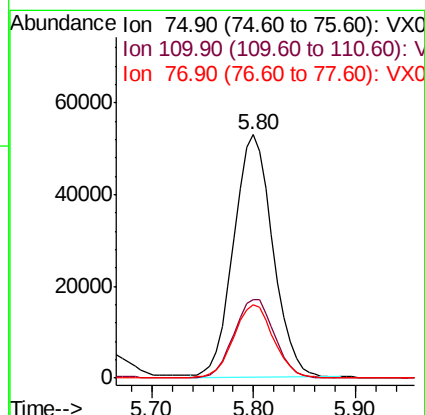
RT: 5.80 min Scan# 762

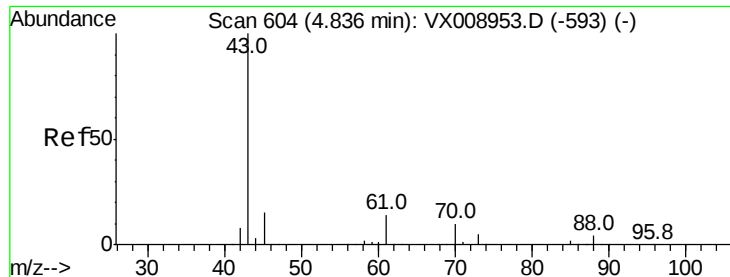
Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Tgt Ion:	75	Resp:	141038
Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	31.5	25.0	37.4





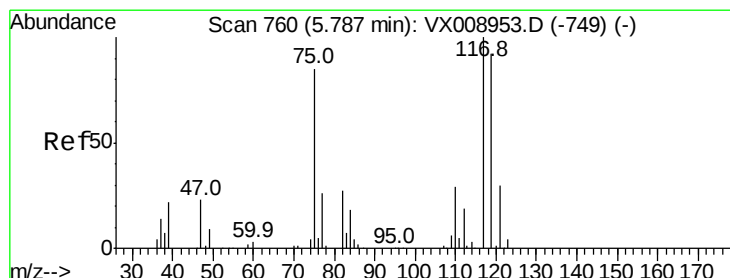
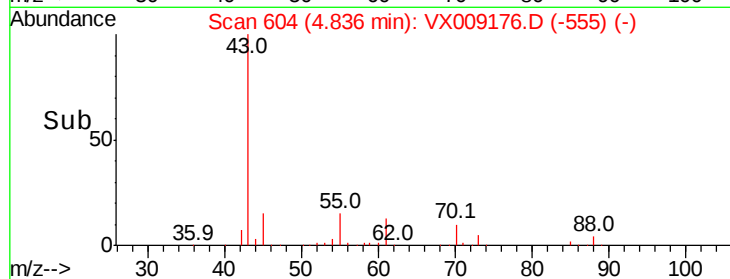
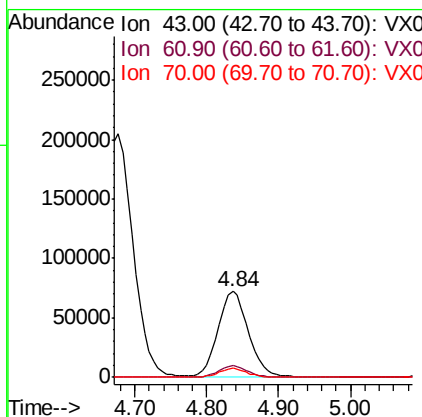
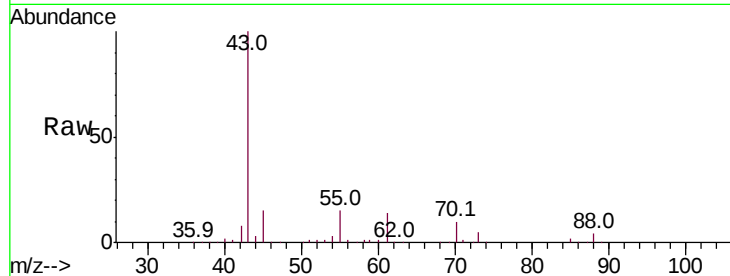
#37
Ethyl Acetate
Concen: 52.454 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.6	15.8
70	9.6	7.7	11.5

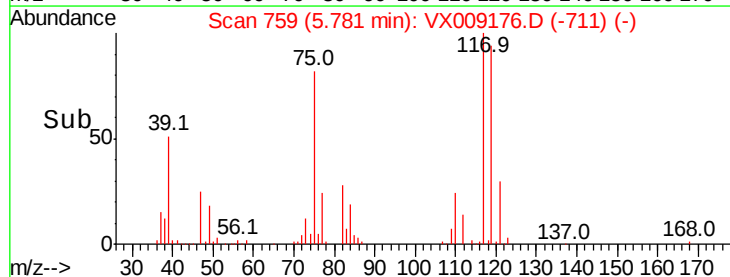
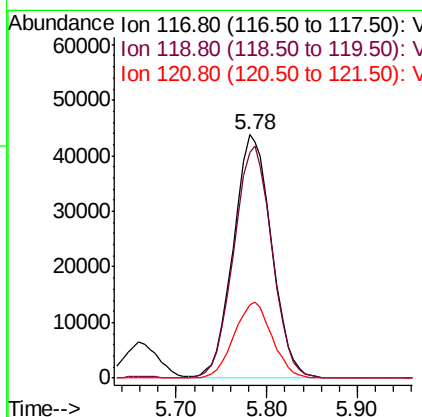
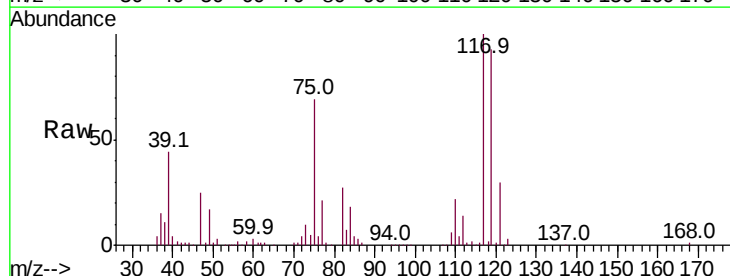
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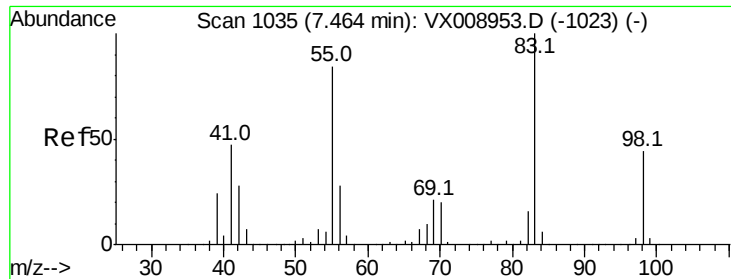
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#38
Carbon Tetrachloride
Concen: 47.776 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	73.8	110.8
121	30.0	23.6	35.4





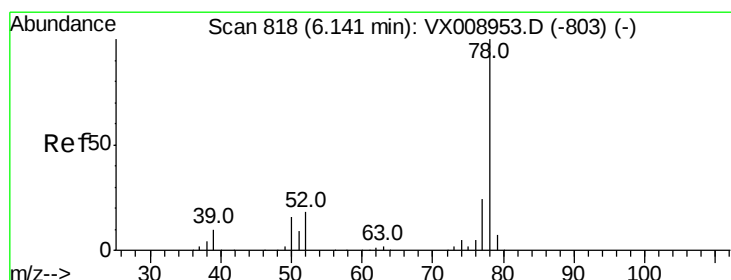
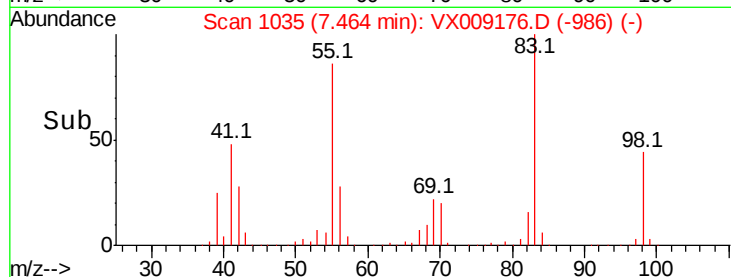
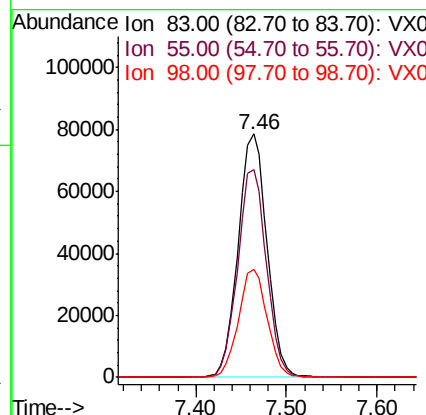
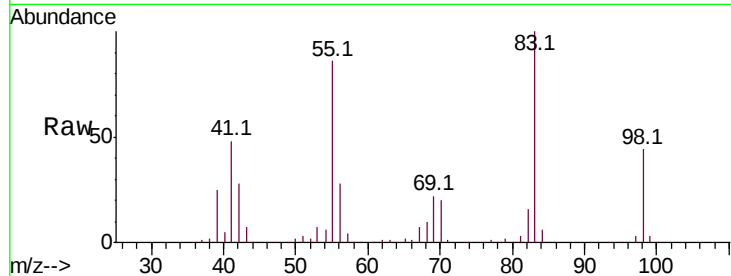
#39
Methvlcvclohexane
Concen: 45.116 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	67.1	100.7
98	44.3	35.1	52.7

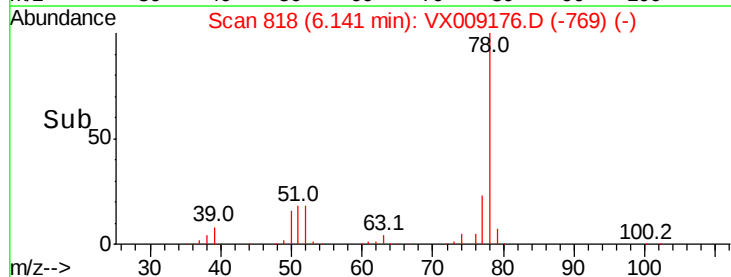
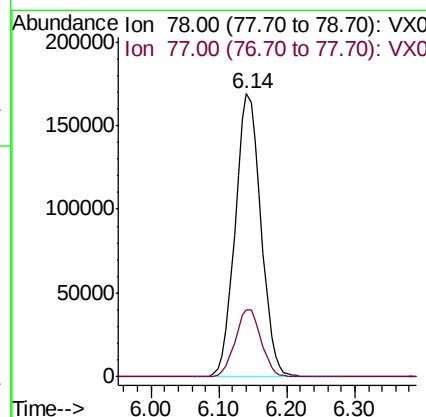
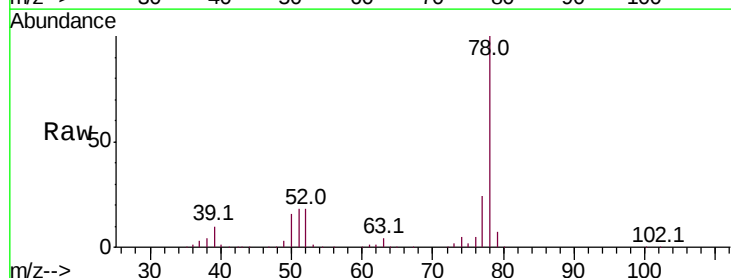
Manual Integrations
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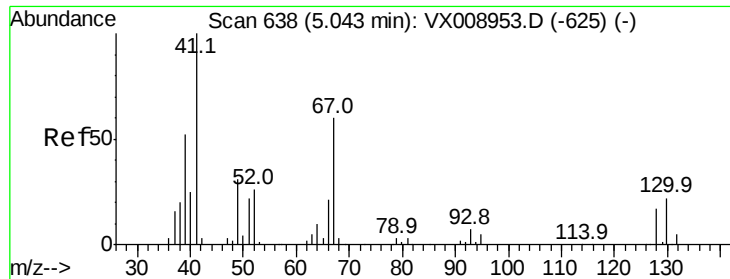
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#40
Benzene
Concen: 47.699 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





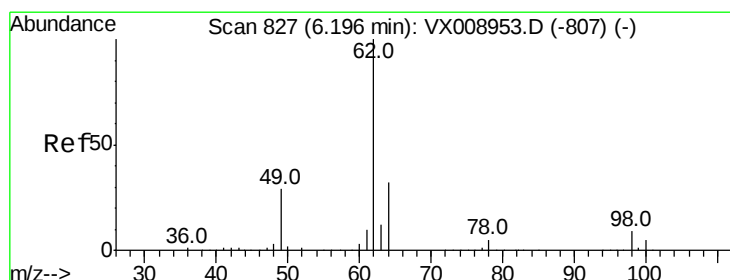
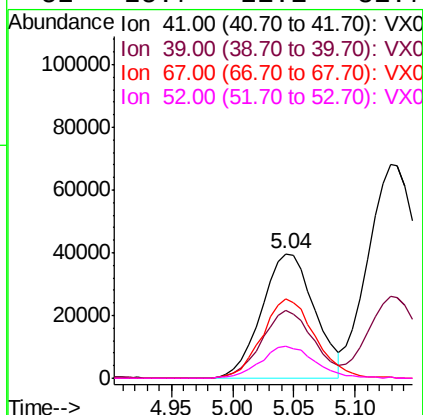
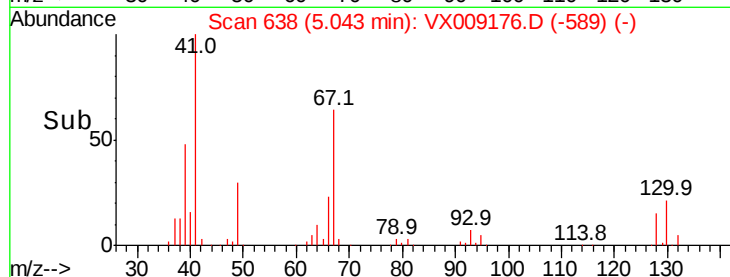
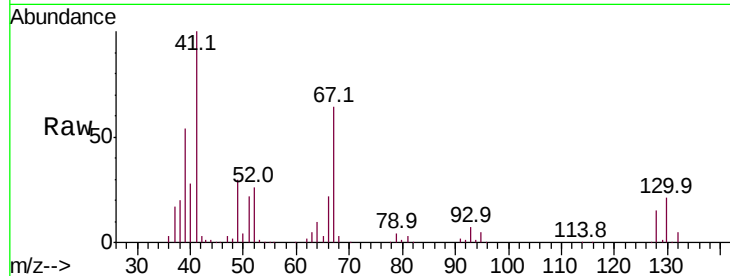
#41
Methacrylonitrile
Concen: 51.485 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	41.8	62.6	
67	63.6	50.2	75.4	
52	25.7	21.1	31.7	

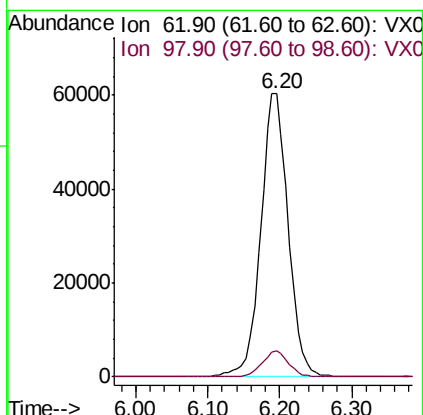
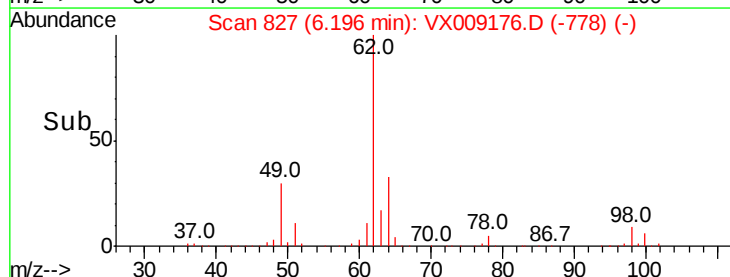
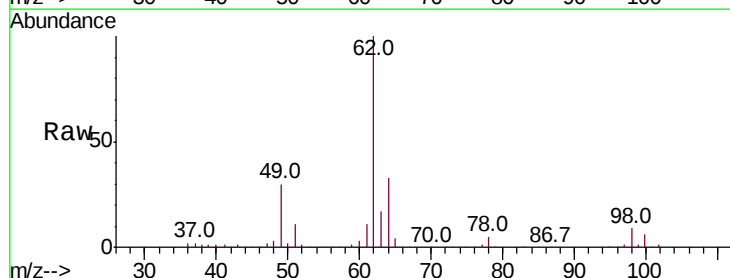
Manual Integrations
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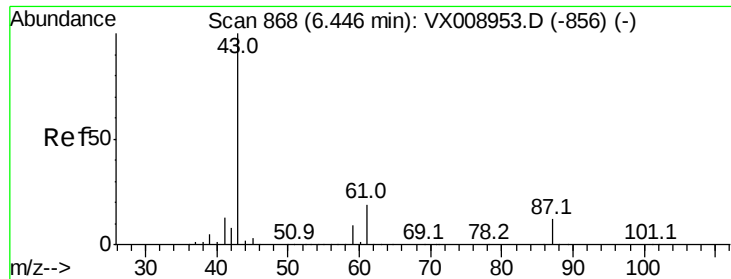
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#42
1,2-Dichloroethane
Concen: 48.235 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.4	





#43

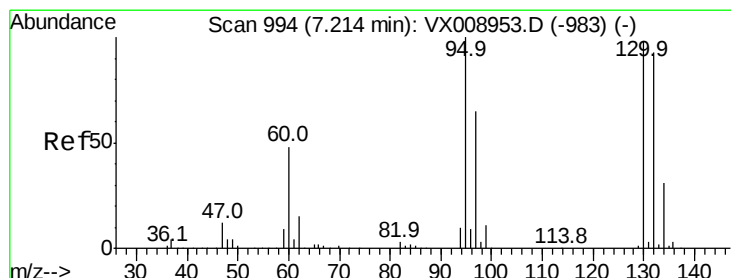
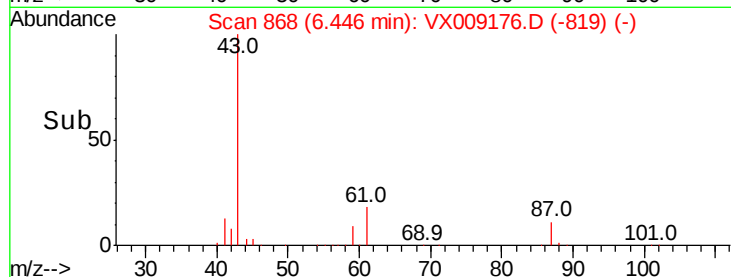
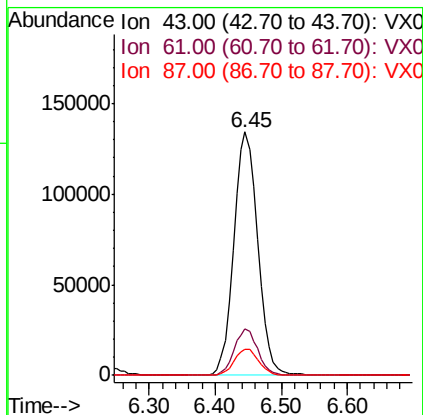
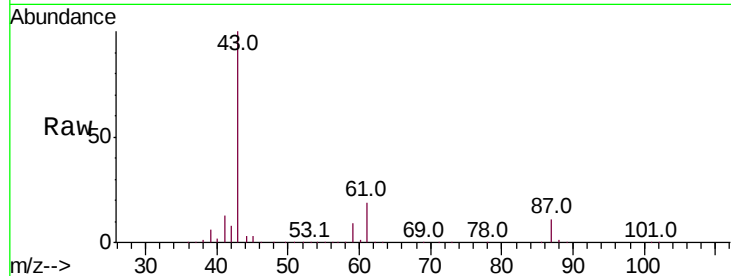
Isopropyl Acetate
 Concen: 51.372 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009176.D
 Acq: 25 Apr 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	43	Resp:	335596
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.4	23.0
87	11.2	9.0	13.4

Manual Integrations
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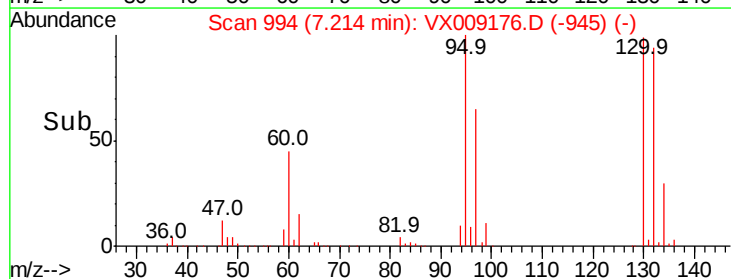
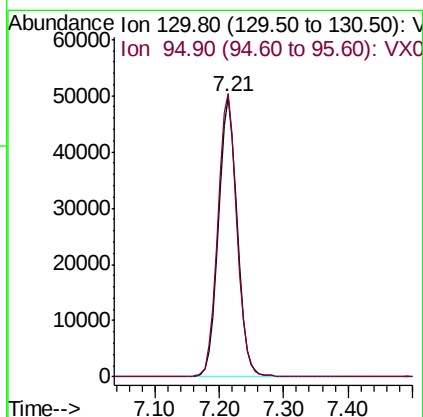
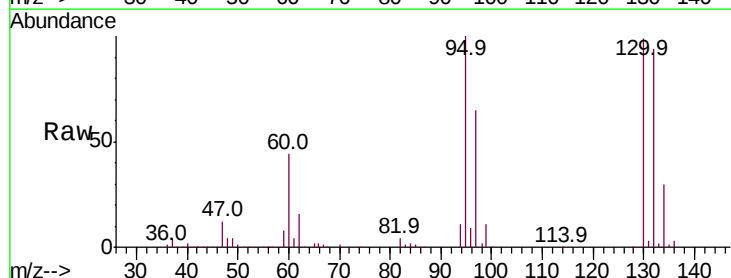
MMDadoda
 4/26/2019 10:05:46 AM

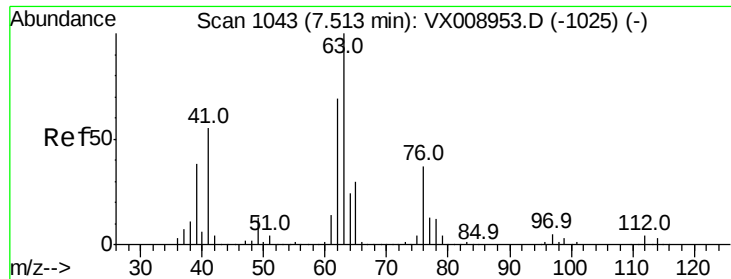


#44

Trichloroethene
 Concen: 45.382 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009176.D
 Acq: 25 Apr 2019 20:37

Tgt Ion:	130	Resp:	103341
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	203.2





#45

1,2-Dichloropropane

Concen: 49.184 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 126813

Ion Ratio Lower Upper

63 100

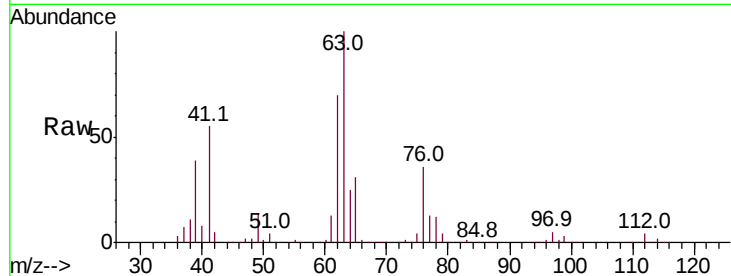
65 31.4 24.1 36.1

Manual Integrations

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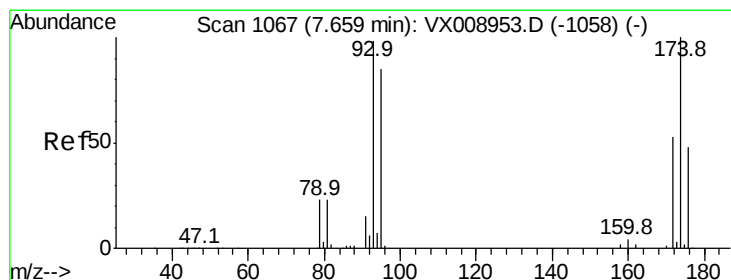
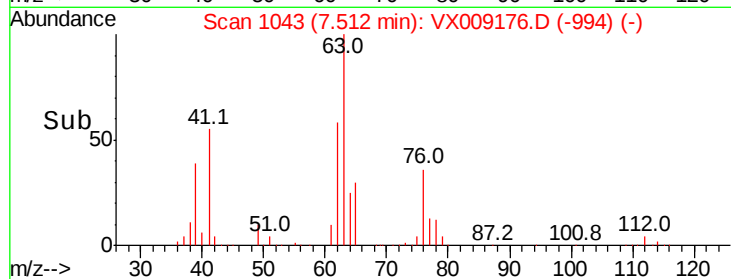
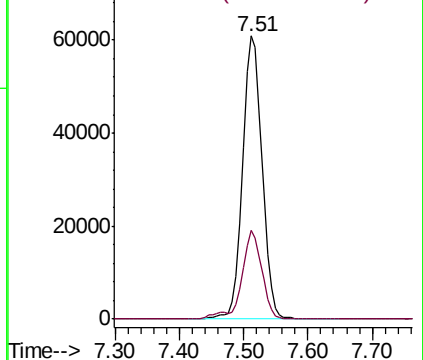
MMdadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.596 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

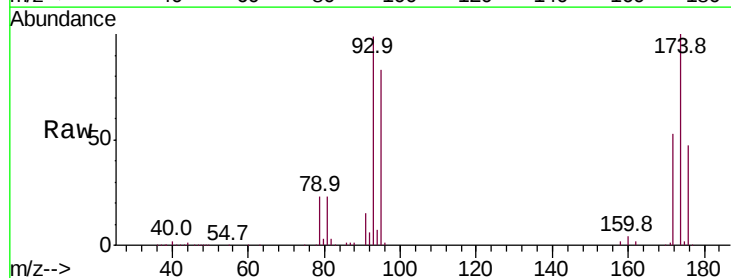
Tgt Ion: 93 Resp: 71419

Ion Ratio Lower Upper

93 100

95 82.5 67.0 100.4

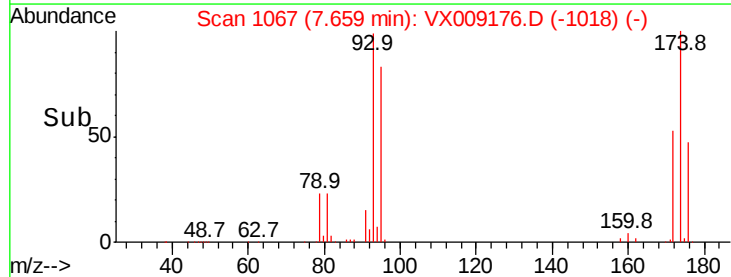
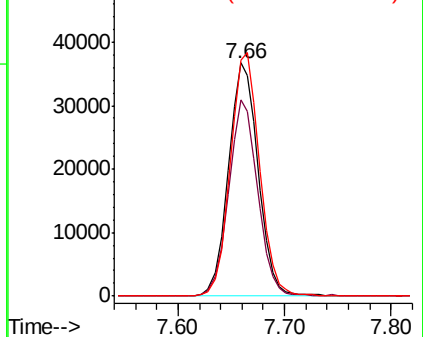
174 103.4 81.6 122.4

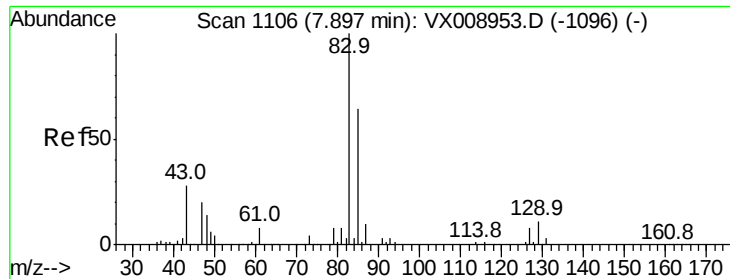


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.593 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

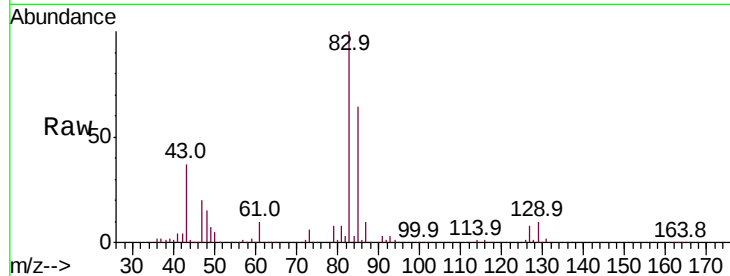
ClientSampleId :

VSTDCCC050EC

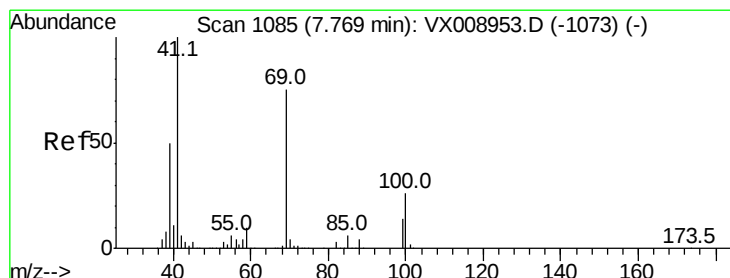
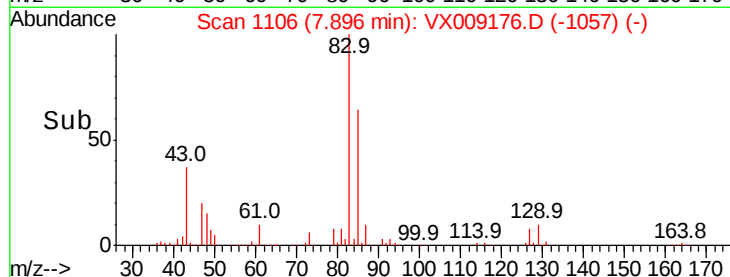
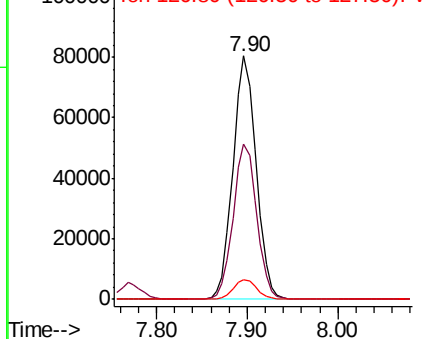
Tot Ion:	83	Resp:	143013
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.8	76.2
127	8.1	6.4	9.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.547 ug/l

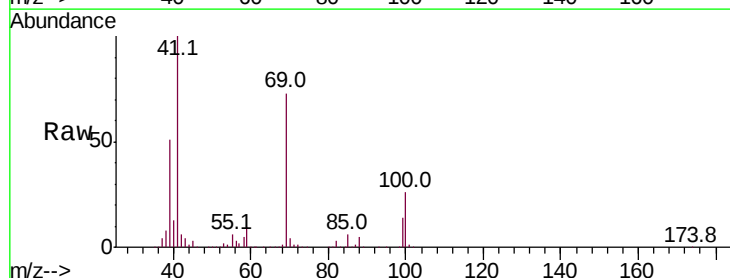
RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

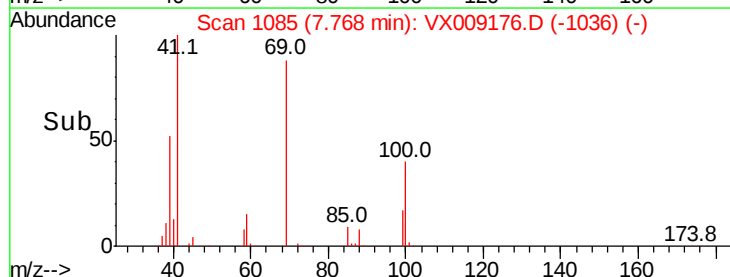
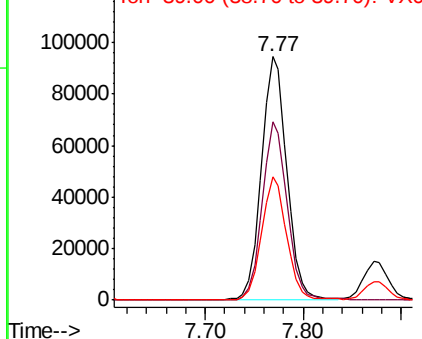
Lab File: VX009176.D

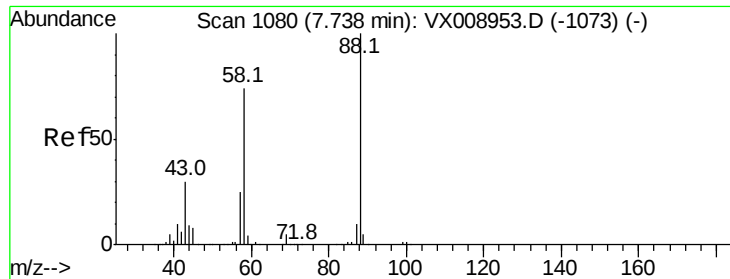
Acq: 25 Apr 2019 20:37

Tgt Ion:	41	Resp:	169616
Ion Ratio	Lower	Upper	
41	100		
69	72.4	59.4	89.2
39	49.7	39.8	59.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





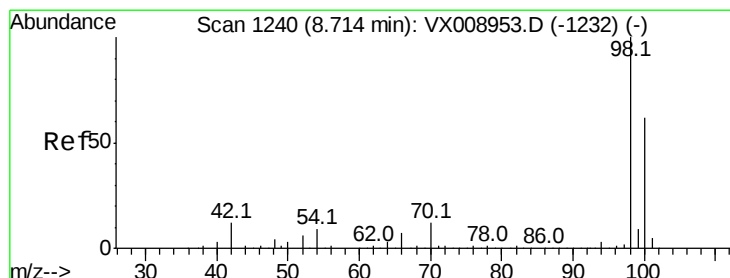
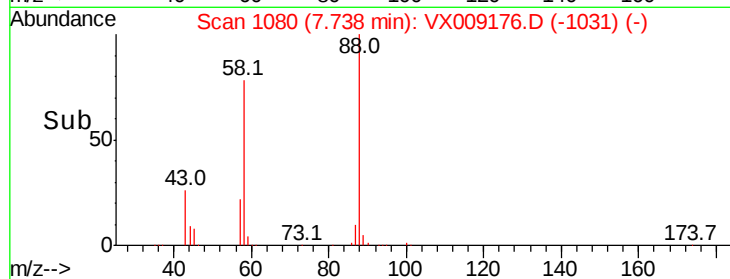
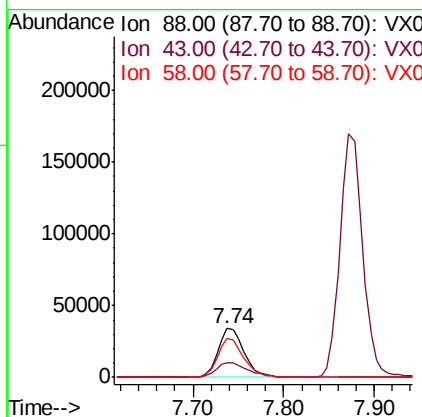
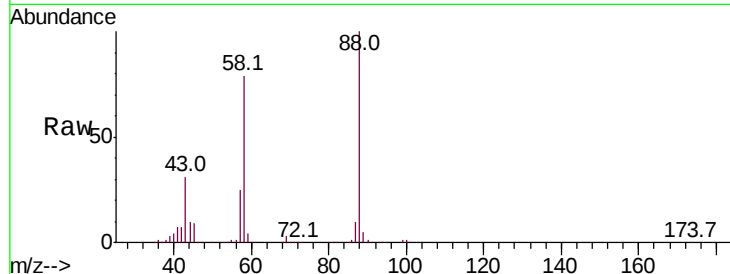
#49
1,4-Dioxane
Concen: 1130.550 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	29.3	43.9
58	80.0	62.6	93.8

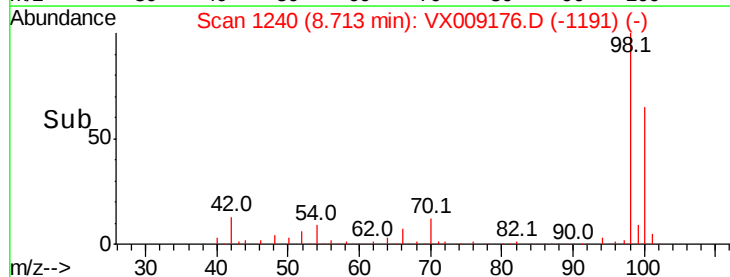
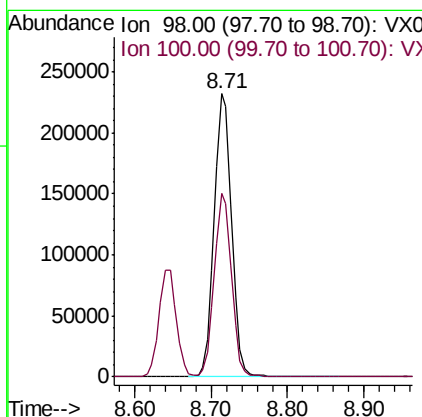
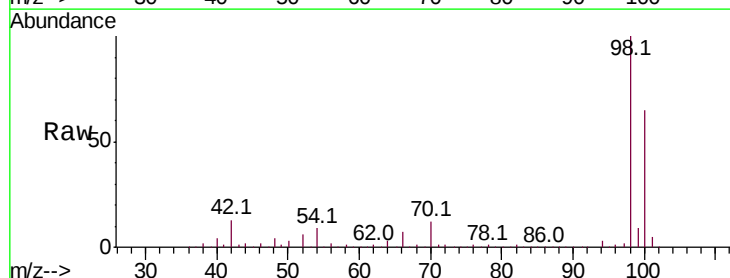
Manual Integrations
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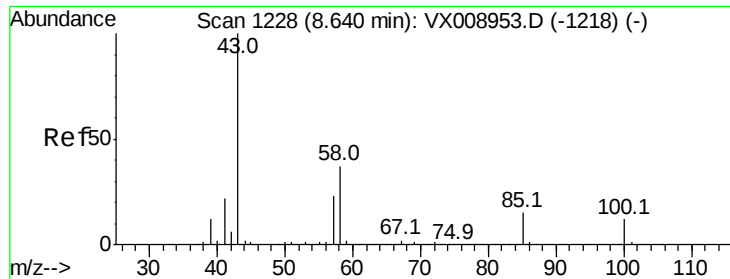
MMdadoda
4/26/2019 10:05:46 AM



#50
Toluene-d8
Concen: 46.916 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 273.970 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1140216

Ion Ratio Lower Upper

43 100

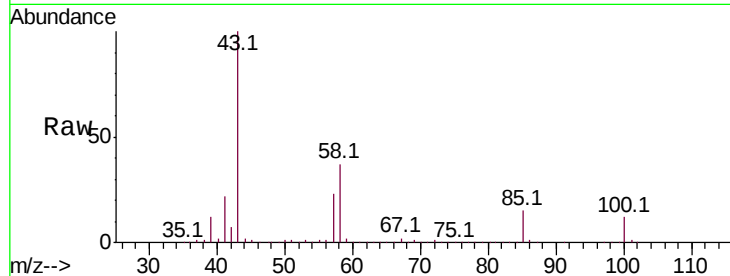
58 36.5 29.8 44.6

Manual Integrations

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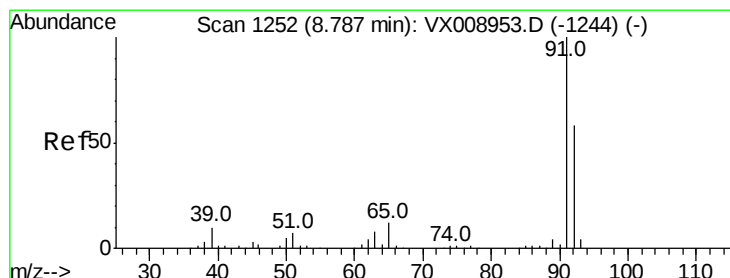
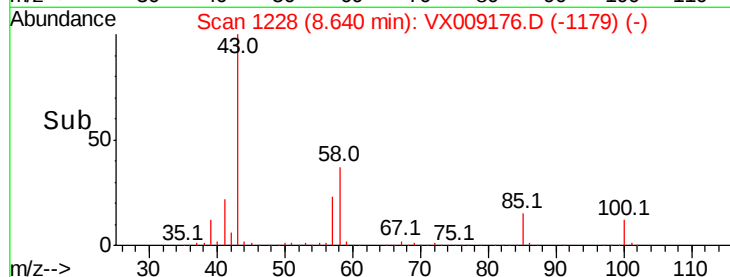
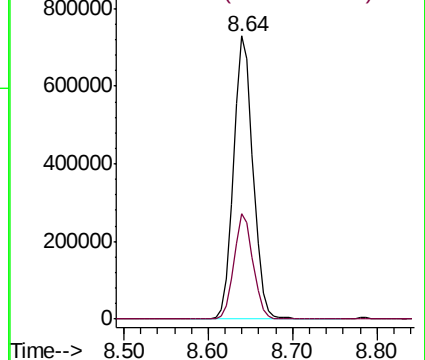
MMdadoda

4/26/2019 10:05:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.027 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009176.D

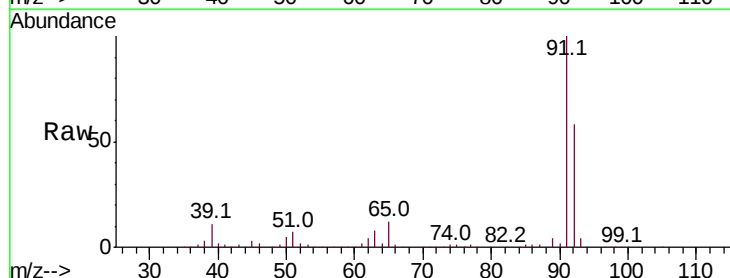
Acq: 25 Apr 2019 20:37

Tgt Ion: 92 Resp: 267507

Ion Ratio Lower Upper

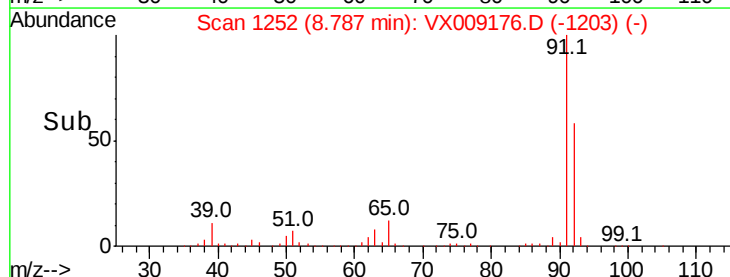
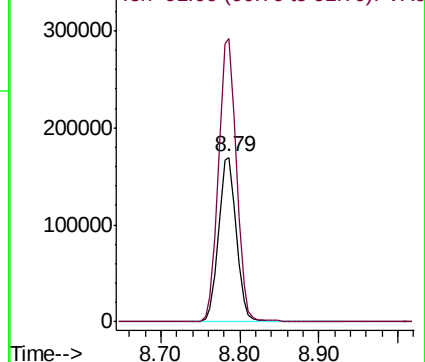
92 100

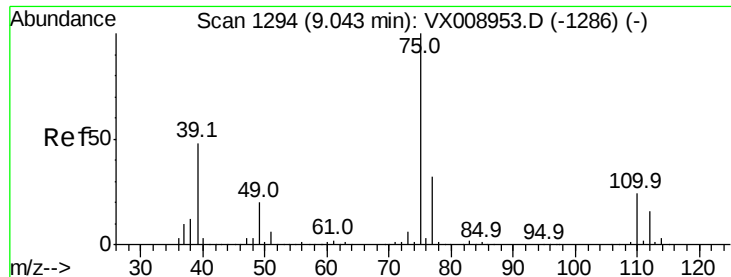
91 174.3 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





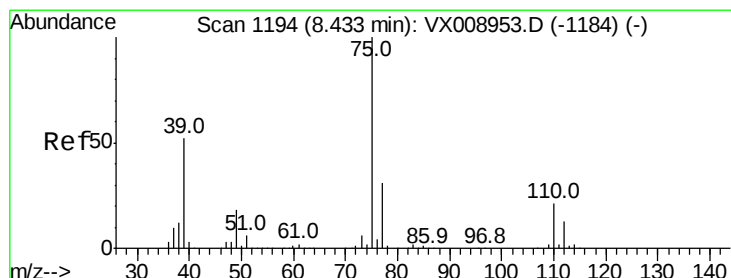
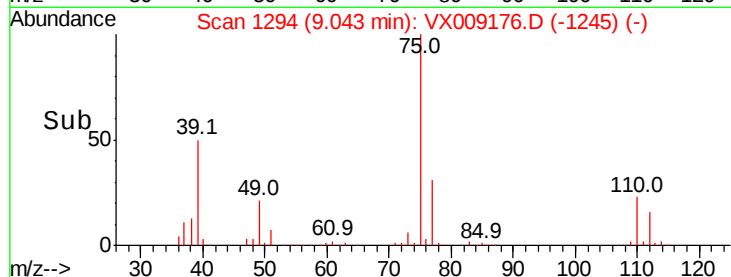
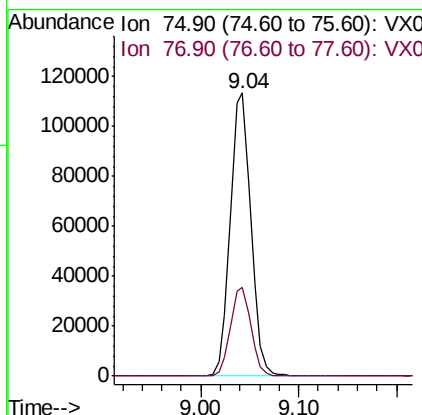
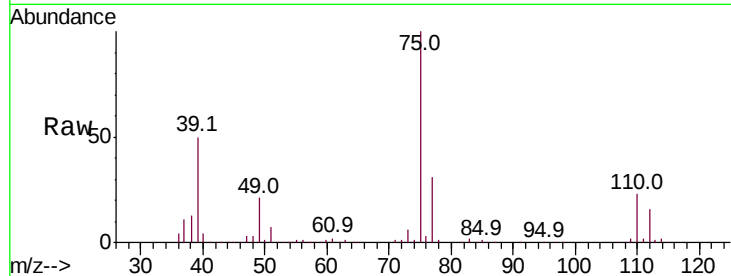
#53
t-1,3-Dichloropropene
Concen: 49.051 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 166140
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

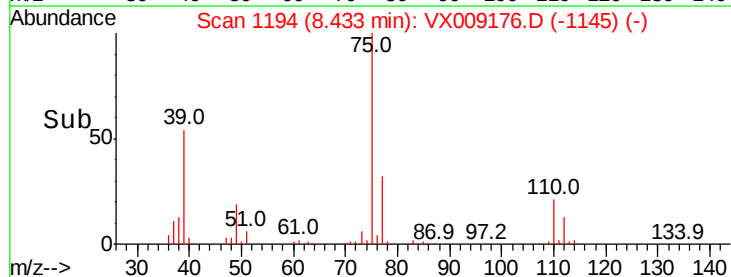
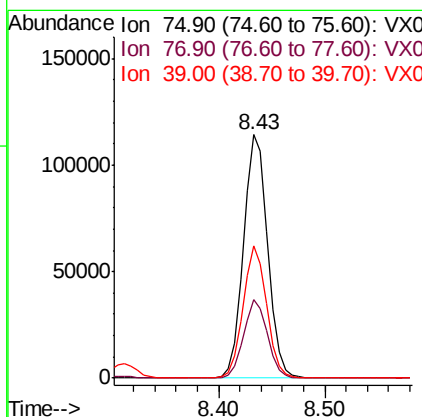
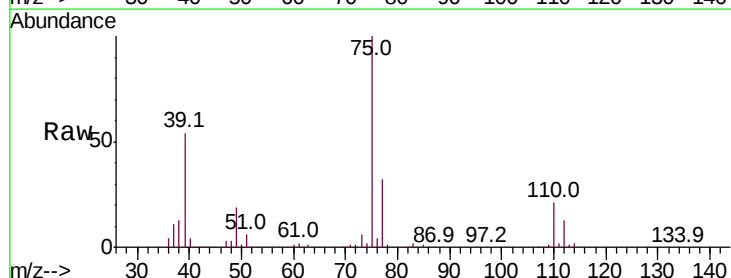
Manual Integrations
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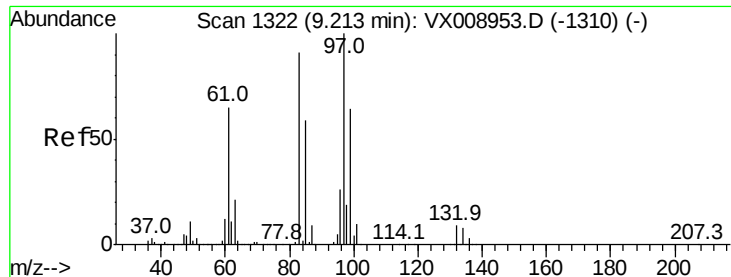
MMdadoda
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#54
cis-1,3-Dichloropropene
Concen: 47.975 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion: 75 Resp: 181948
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 54.3 41.8 62.6





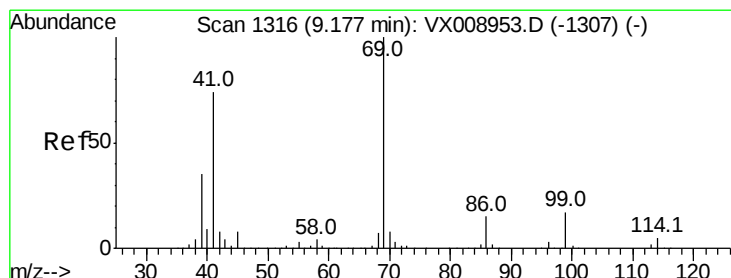
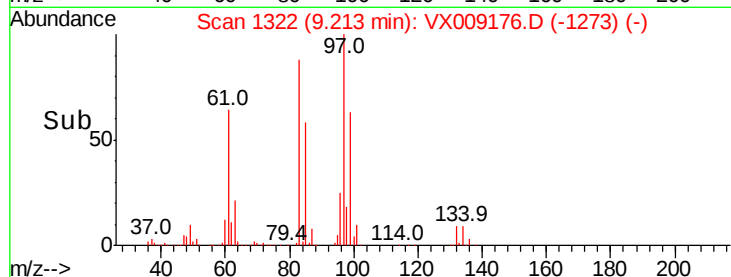
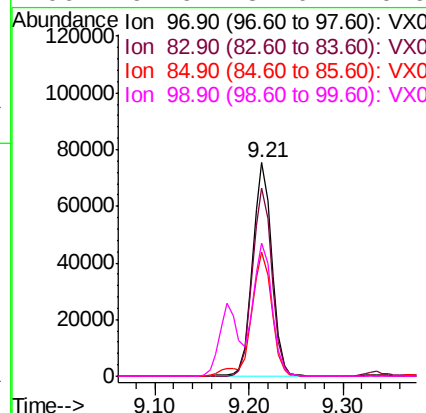
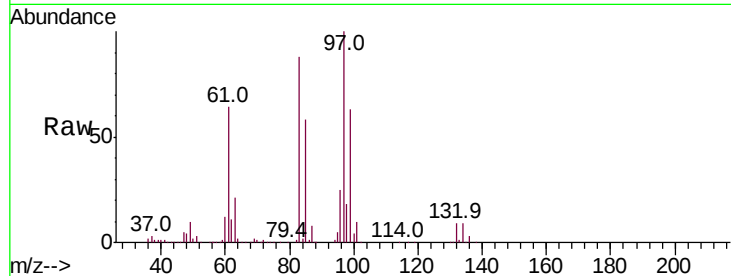
#55
 1,1,2-Trichloroethane
 Concen: 49.212 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009176.D
 Acq: 25 Apr 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	108637		
83	88.2	72.6	108.8	
85	58.4	46.9	70.3	
99	62.6	51.0	76.6	

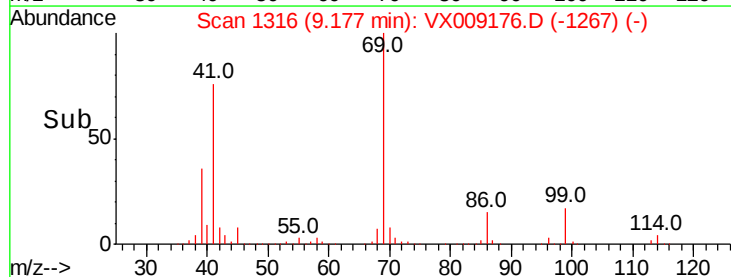
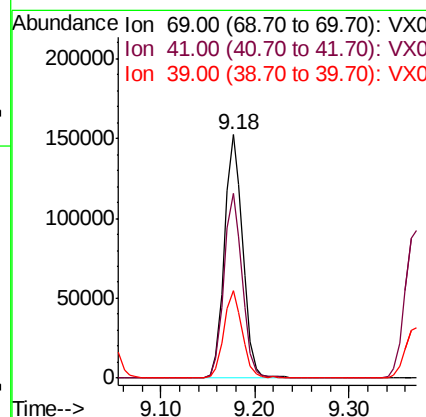
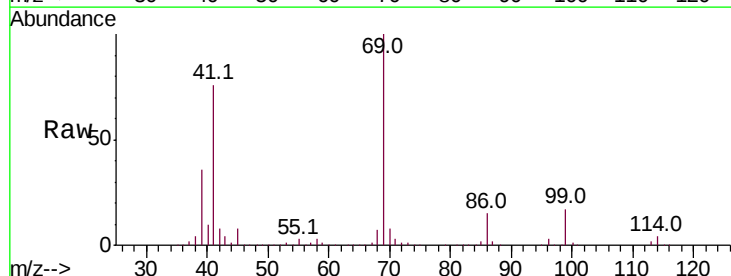
Manual Integrations
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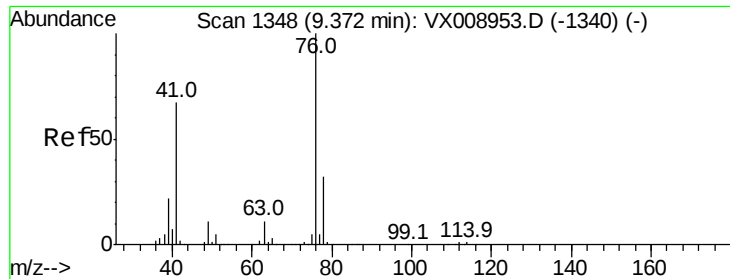
MMdadoda
 4/26/2019 10:05:46 AM



#56
 Ethyl methacrylate
 Concen: 51.917 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009176.D
 Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	205503		
41	76.0	60.2	90.2	
39	35.6	27.9	41.9	





#57

1,3-Dichloropropane

Concen: 49.231 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 193500

Ion Ratio Lower Upper

76 100

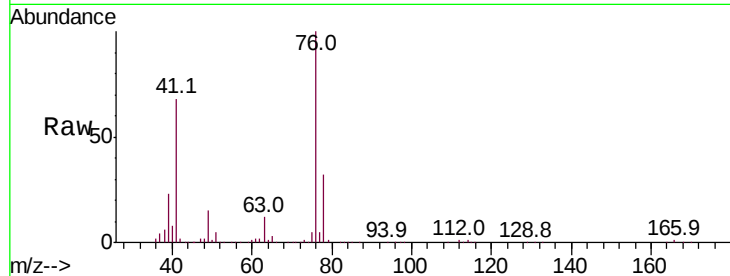
78 32.4 25.7 38.5

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

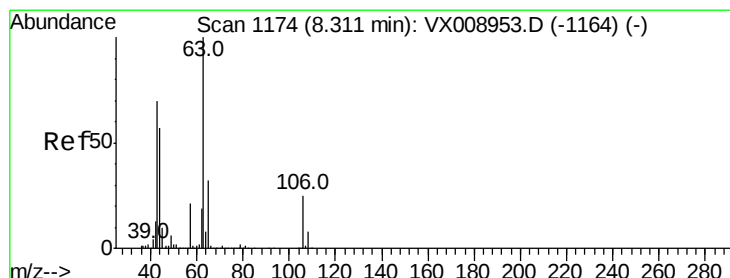
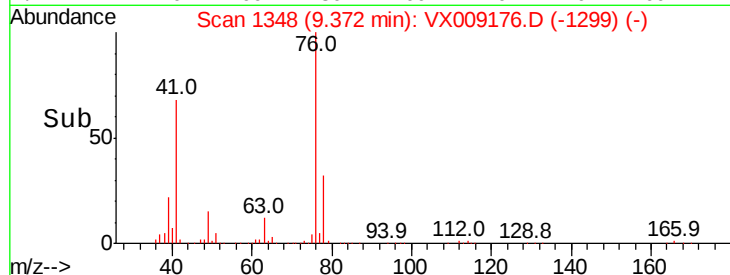
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 236.366 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009176.D

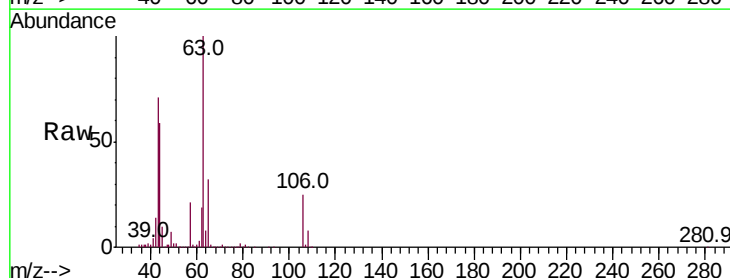
Acq: 25 Apr 2019 20:37

Tgt Ion: 63 Resp: 503824

Ion Ratio Lower Upper

63 100

106 24.5 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

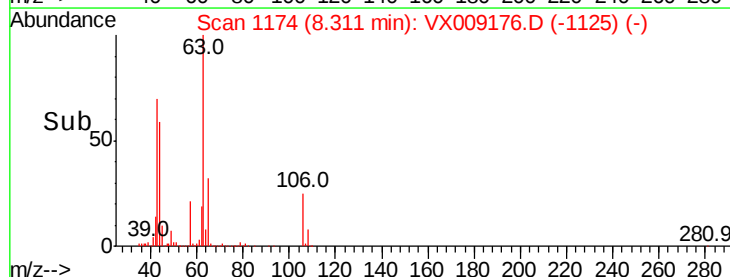
300000

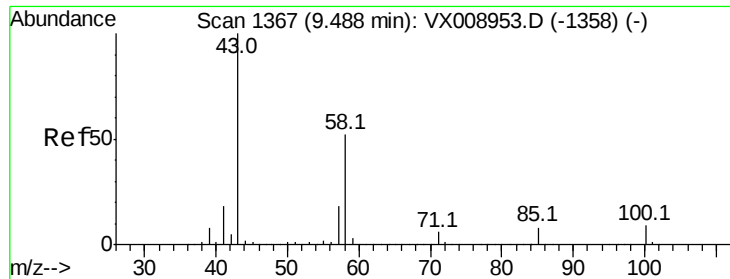
200000

100000

0

Time-->





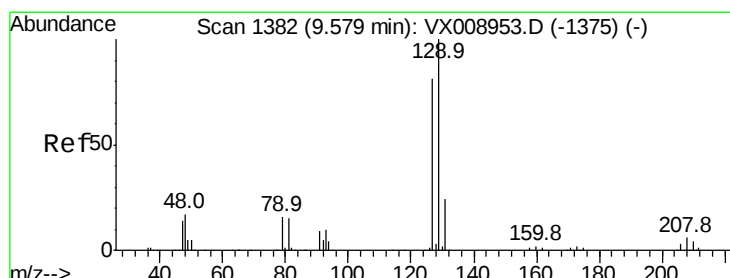
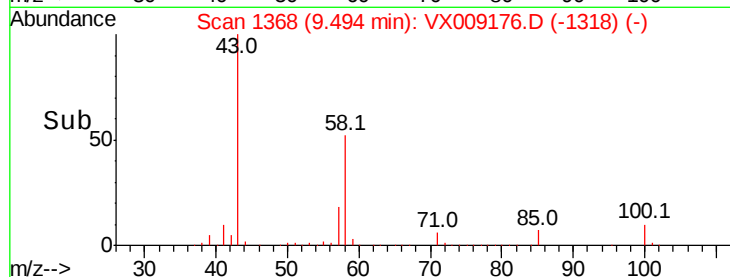
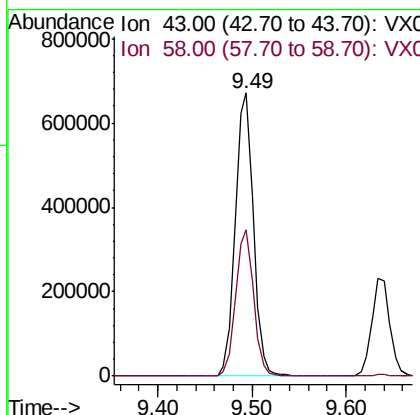
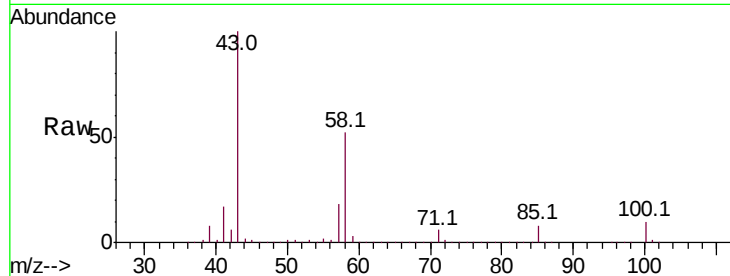
#59
2-Hexanone
Concen: 278.446 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 893443
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.8

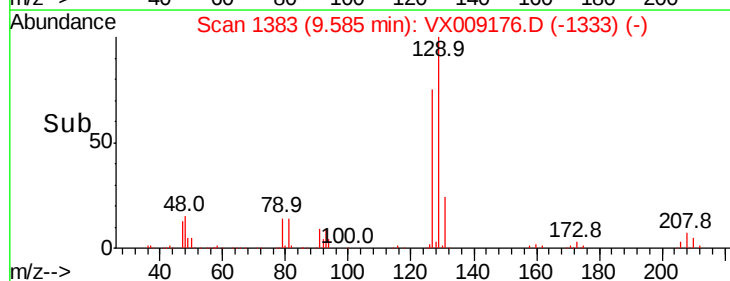
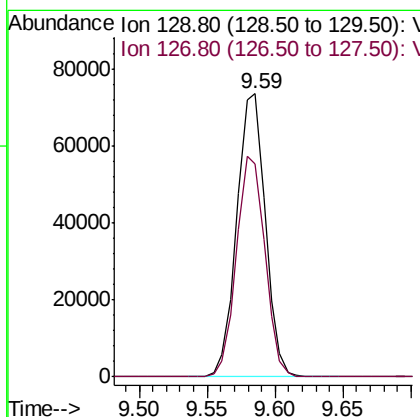
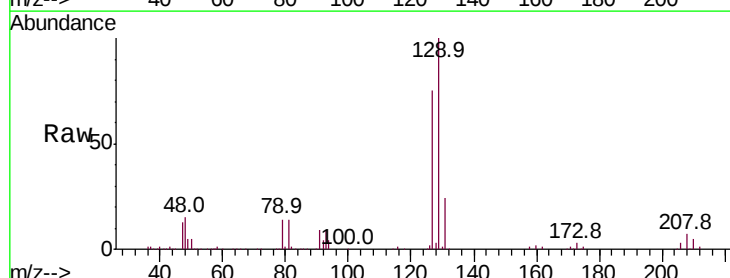
Manual Integrations
APPROVED

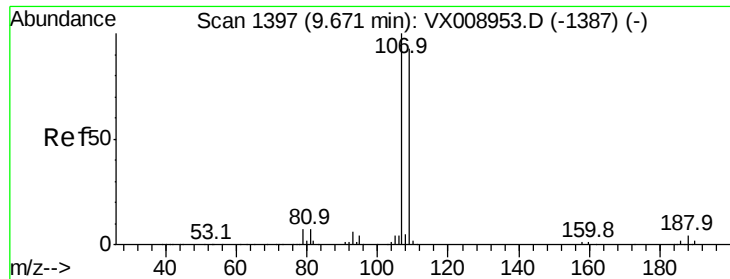
MMdadoda
4/26/2019 10:05:46 AM



#60
Dibromochloromethane
Concen: 51.231 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion:129 Resp: 108391
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 49.228 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 112160

Ion Ratio Lower Upper

107 100

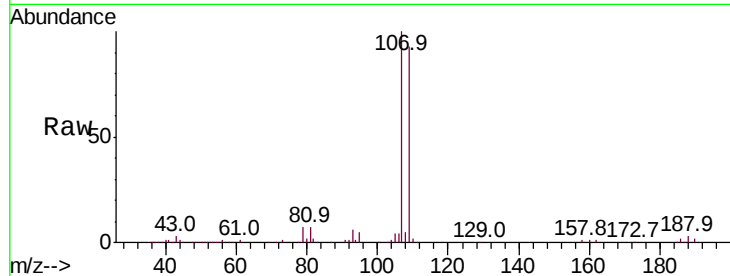
109 94.1 74.4 111.6

Manual Integrations

APPROVED

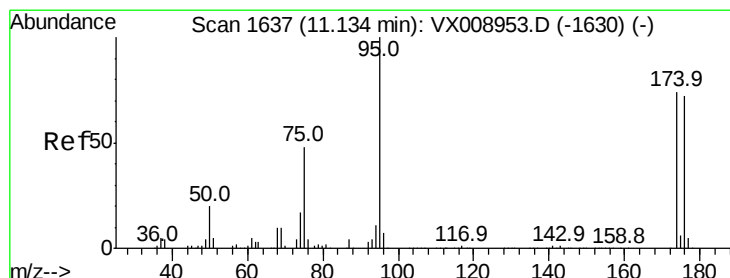
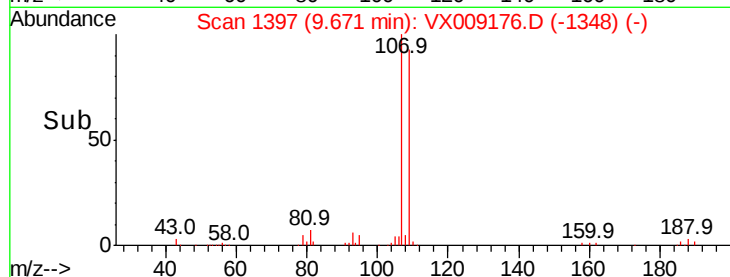
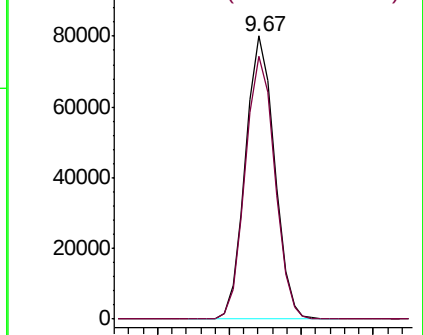
MMdadoda

4/26/2019 10:05:46 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.307 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

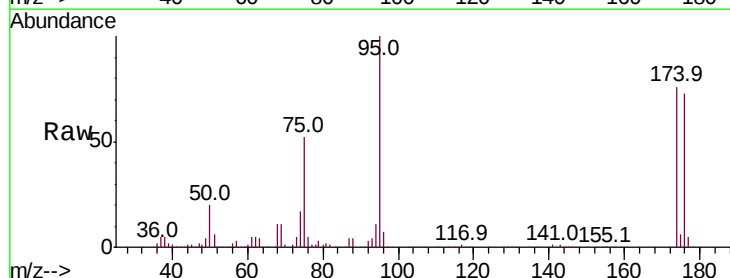
Tgt Ion: 95 Resp: 135699

Ion Ratio Lower Upper

95 100

174 80.3 0.0 159.6

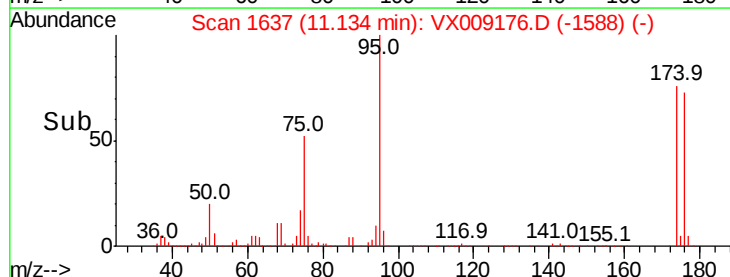
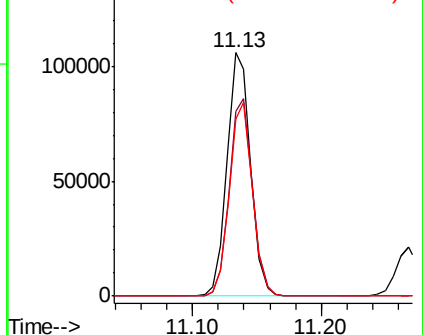
176 78.3 0.0 154.8

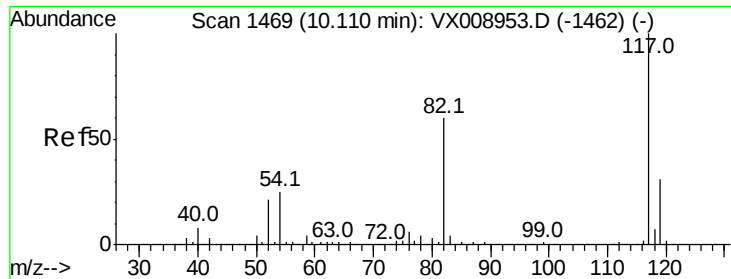


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





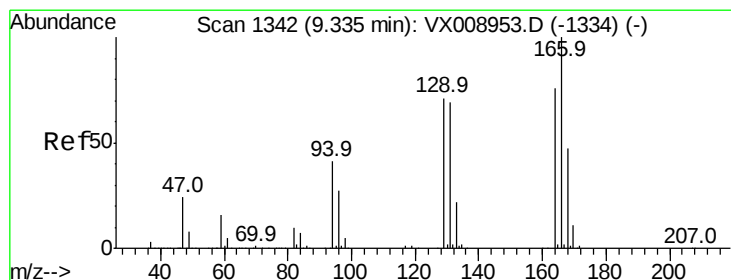
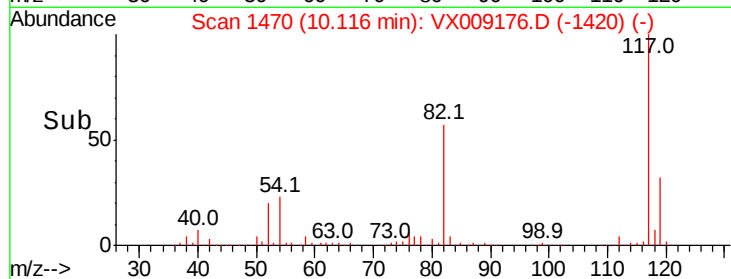
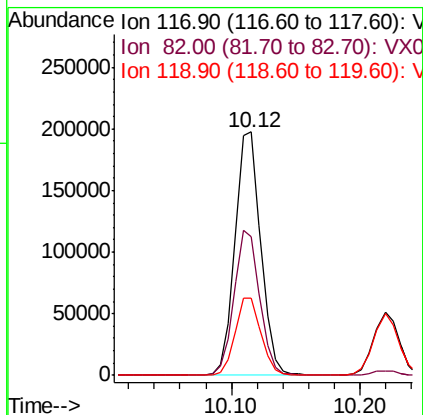
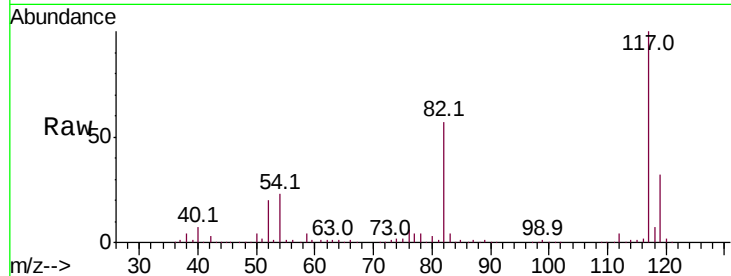
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	48.2	72.4
119	31.8	25.0	37.6

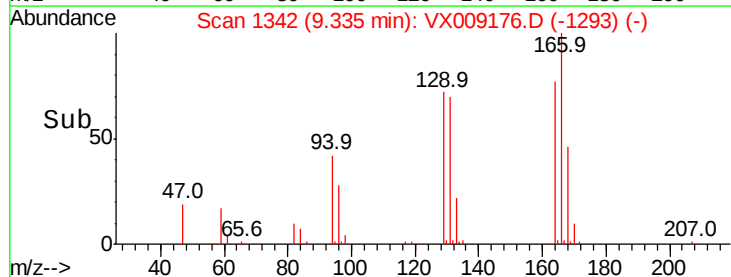
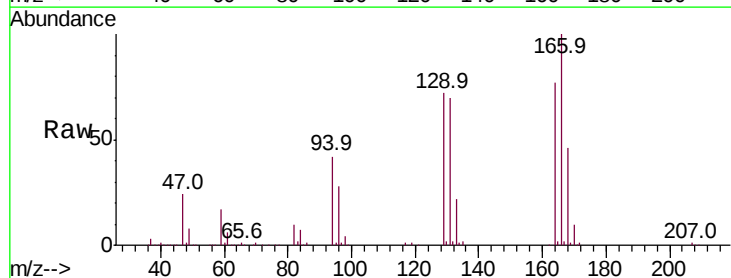
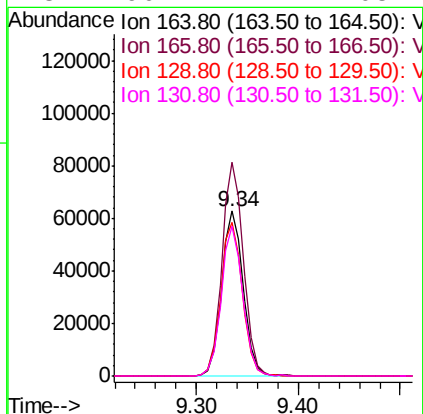
Manual Integrations
APPROVED

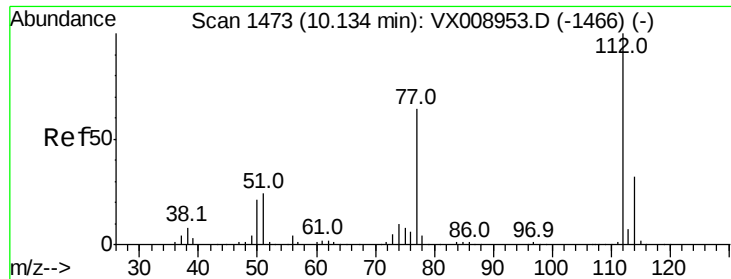
MMDadoda
4/26/2019 10:05:46 AM



#64
Tetrachloroethene
Concen: 43.810 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	105.0	157.4
129	93.5	74.2	111.4
131	90.7	72.2	108.2





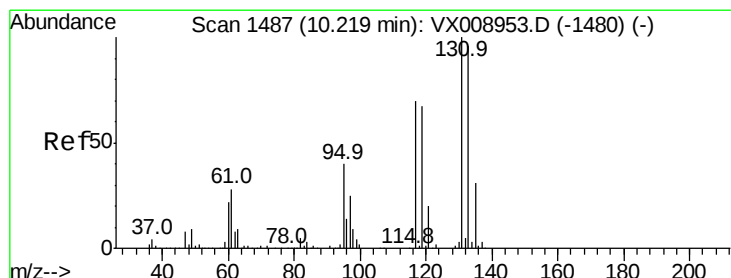
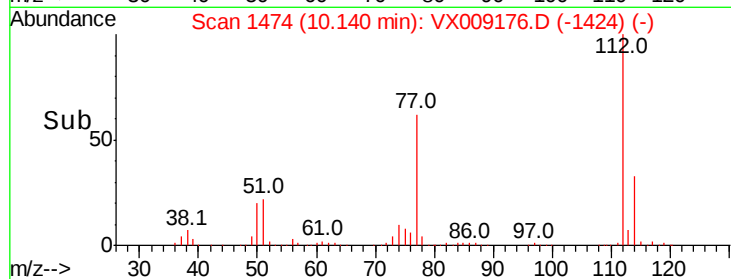
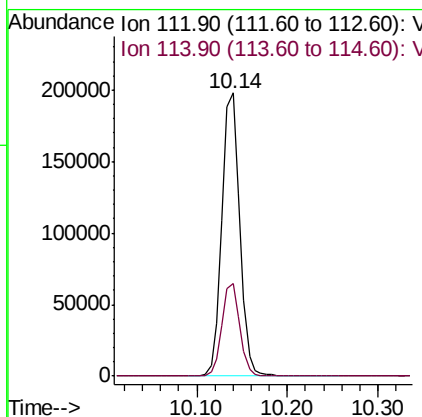
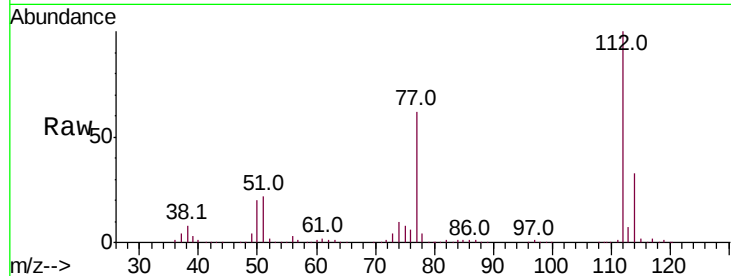
#65
Chlorobenzene
Concen: 46.901 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 273188
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0

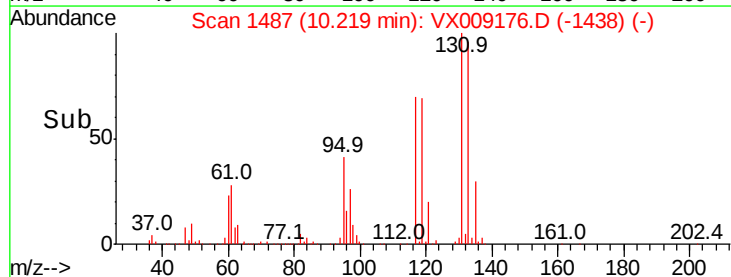
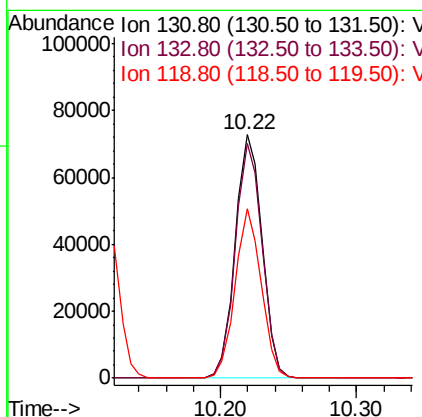
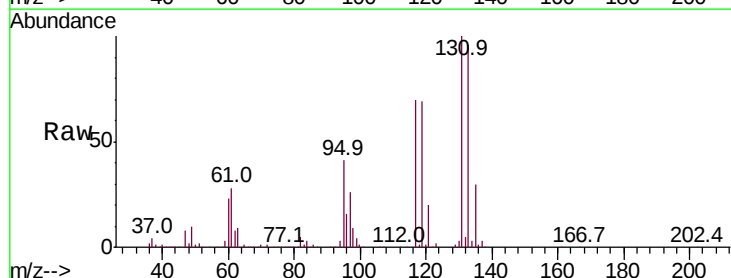
Manual Integrations
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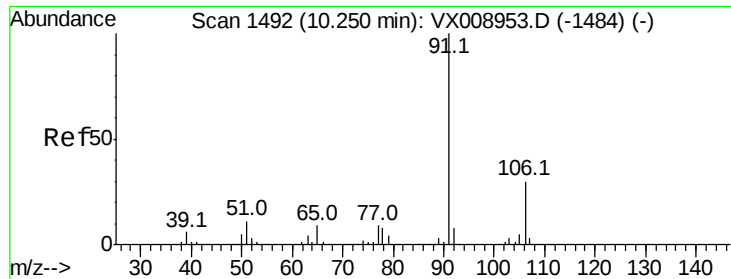
MMdadoda
4/26/2019 10:05:46 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.653 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion:131 Resp: 99836
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.2
119 67.8 33.7 101.1





#67

Ethyl Benzene

Concen: 48.142 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 512617

Ion Ratio Lower Upper

91 100

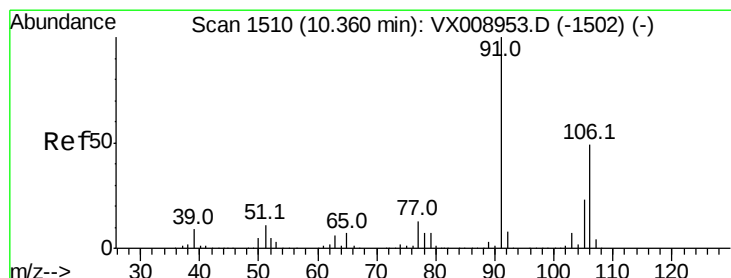
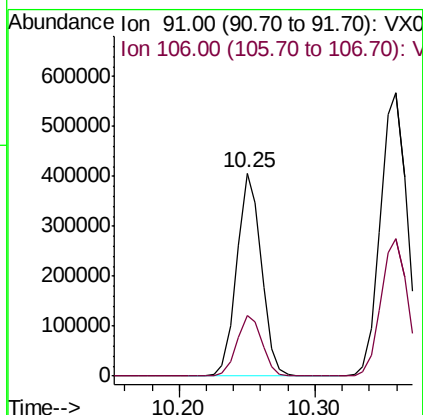
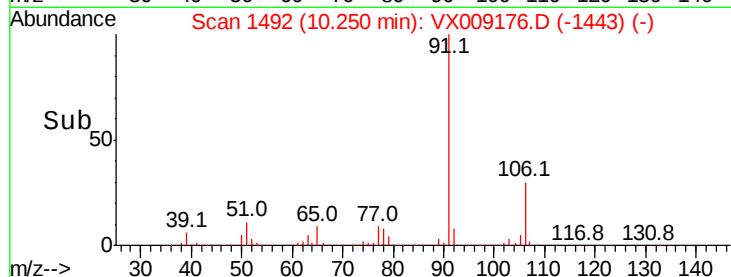
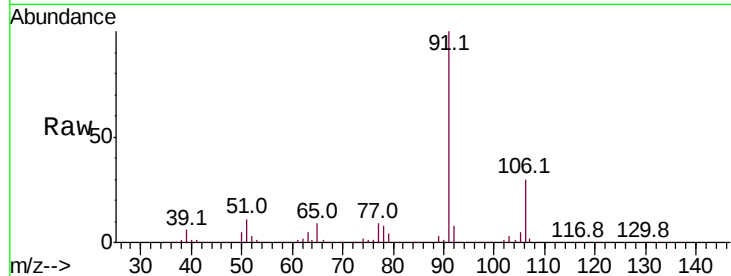
106 29.6 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

4/26/2019 10:05:46 AM



#68

m/p-Xylenes

Concen: 96.859 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009176.D

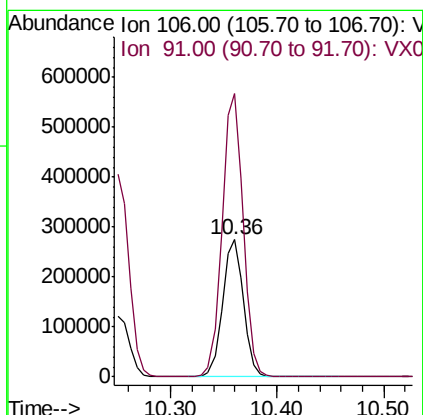
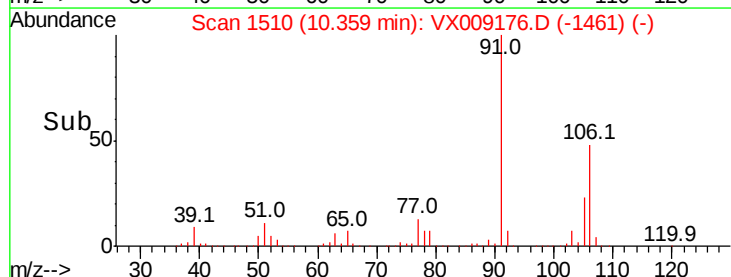
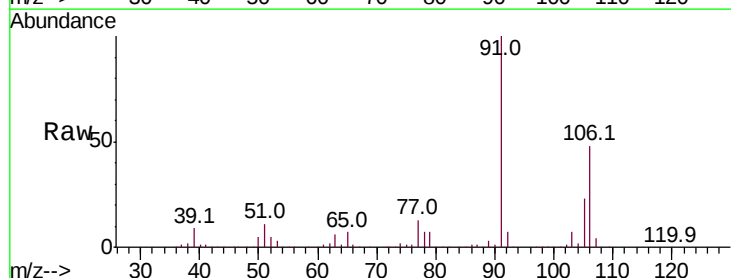
Acq: 25 Apr 2019 20:37

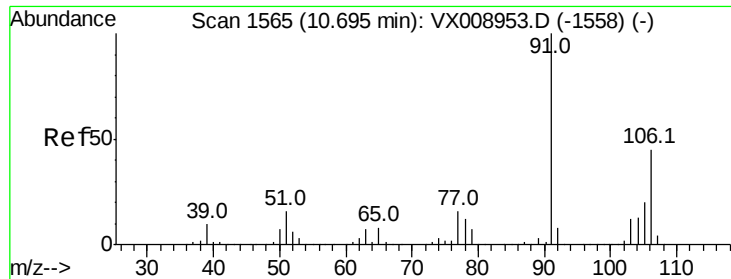
Tgt Ion: 106 Resp: 374815

Ion Ratio Lower Upper

106 100

91 208.2 165.4 248.2





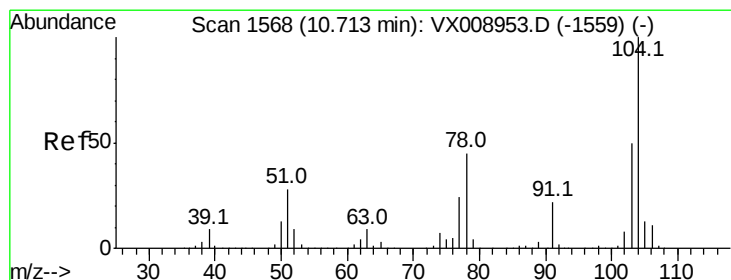
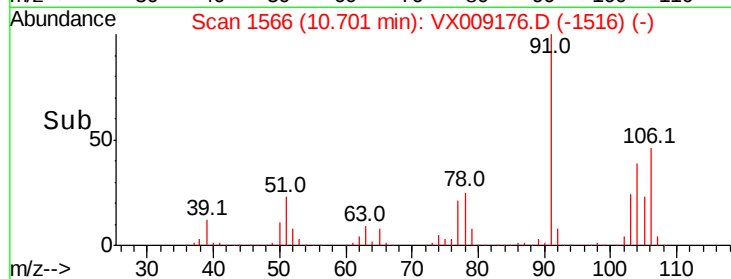
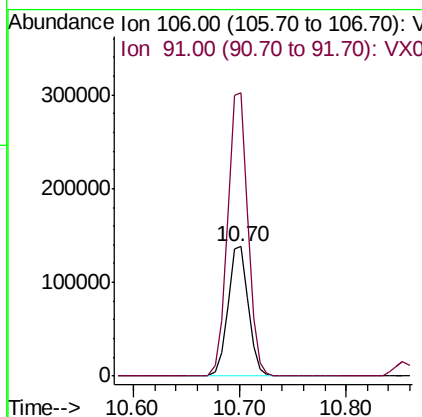
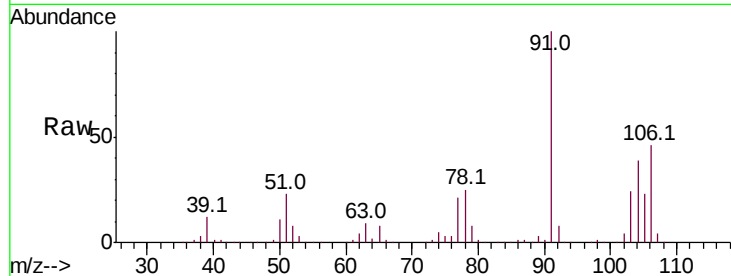
#69
o-Xylene
Concen: 49.123 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 184963
Ion Ratio Lower Upper
106 100
91 218.9 108.9 326.7

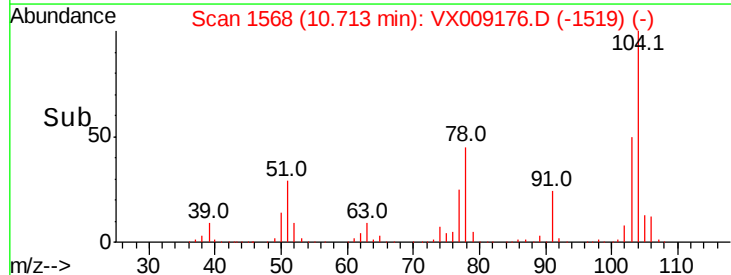
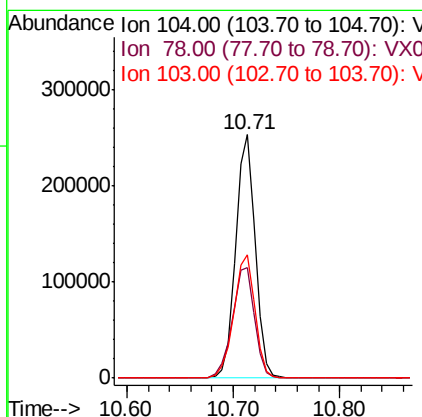
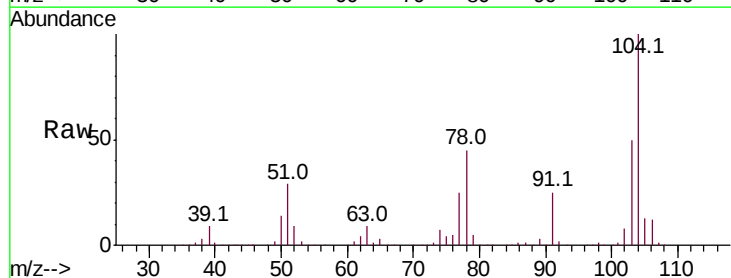
Manual Integrations
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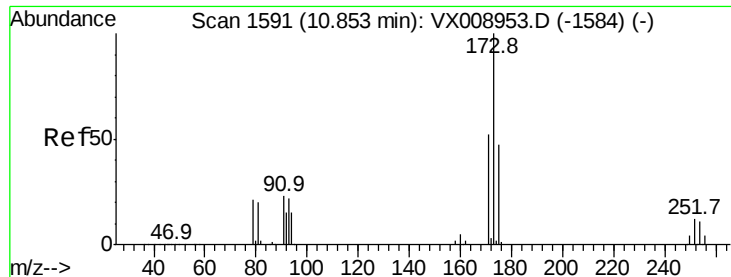
MMdadoda
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#70
Styrene
Concen: 50.141 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion:104 Resp: 327166
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 54.9 43.9 65.9





#71

Bromoform

Concen: 50.699 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 82882

Ion Ratio Lower Upper

173 100

175 48.9 23.9 71.8

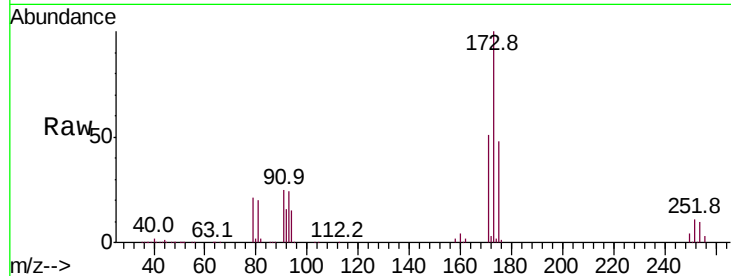
254 0.0 0.2 0.4#

Manual Integrations

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MMdadoda

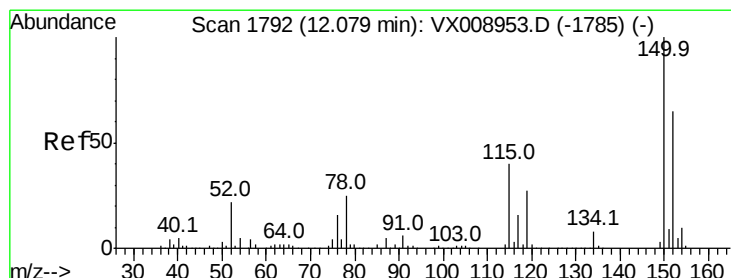
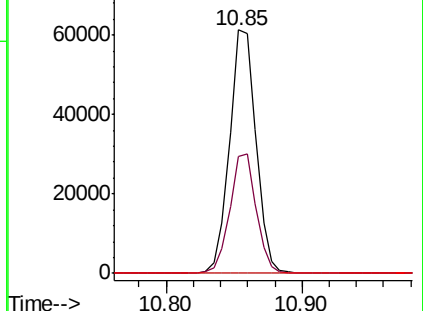
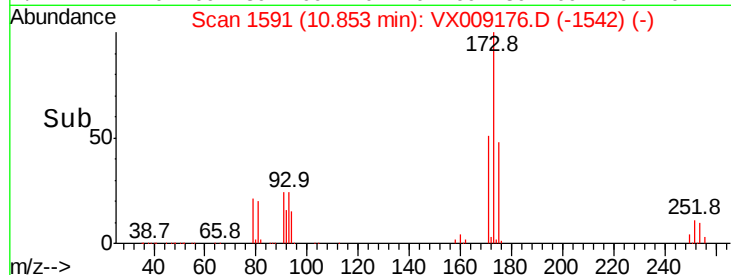
4/26/2019 10:05:46 AM



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: VX009176.D

Acq: 25 Apr 2019 20:37

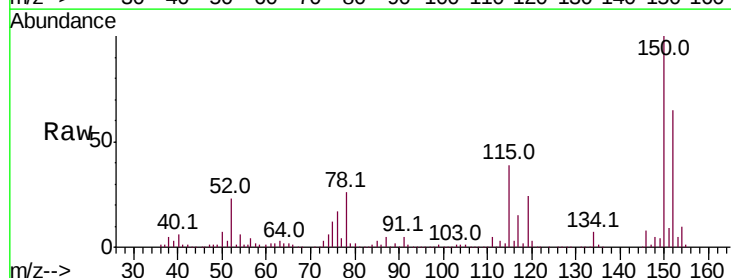
Tgt Ion:152 Resp: 134669

Ion Ratio Lower Upper

152 100

115 81.6 41.4 124.2

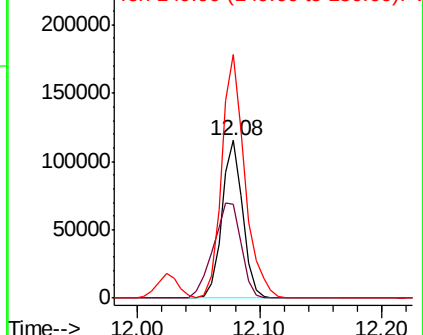
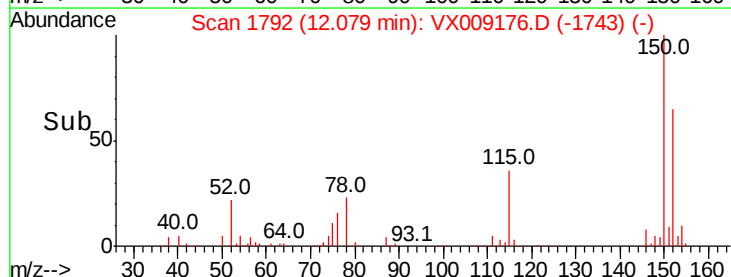
150 172.2 0.0 349.8

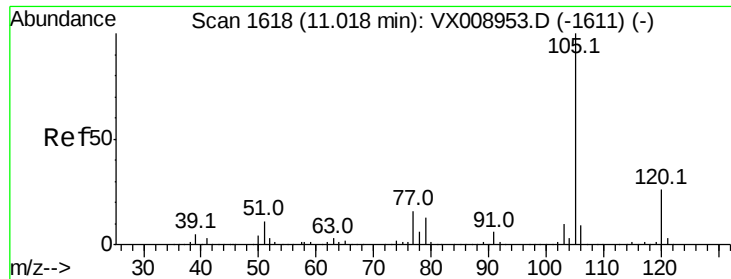


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





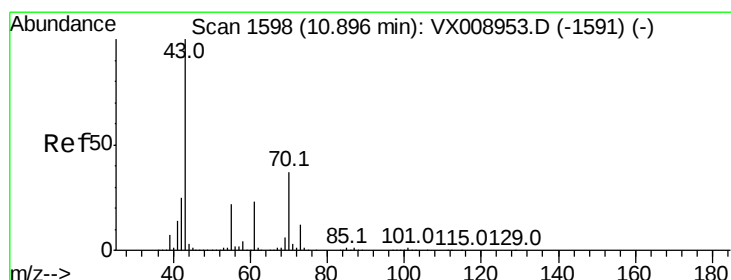
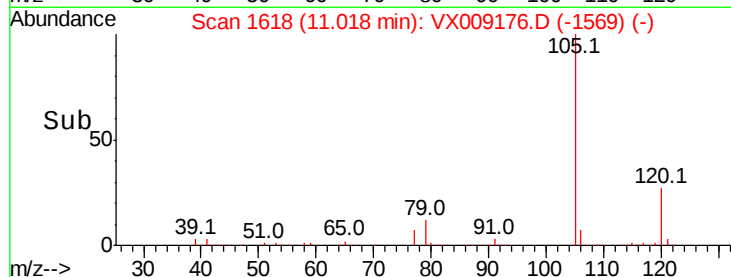
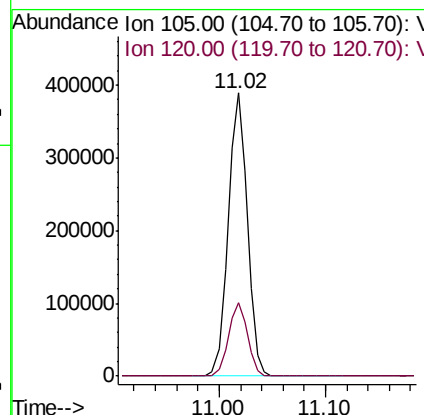
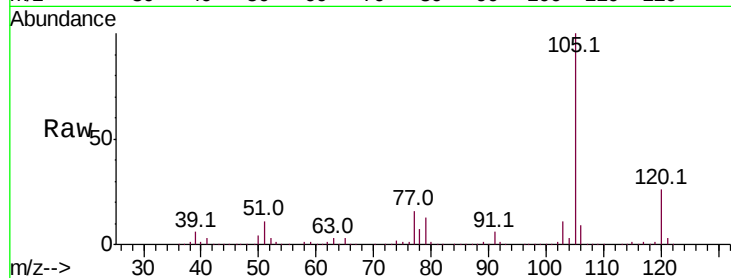
#73
Isopropylbenzene
Concen: 47.796 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 487887
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.7

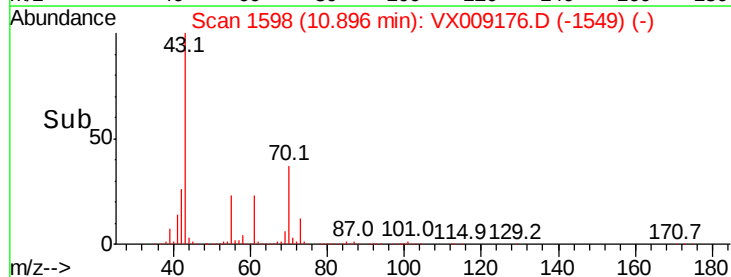
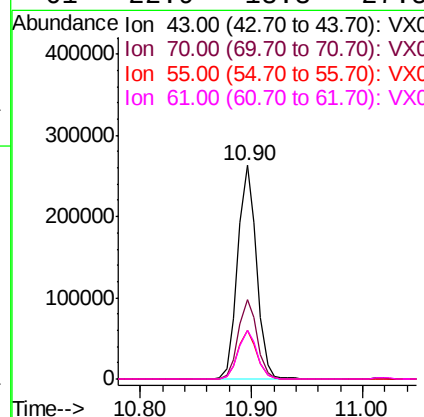
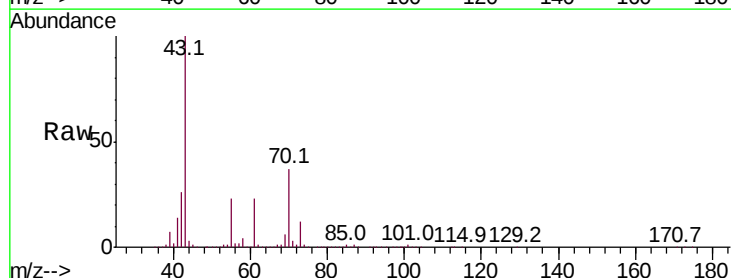
Manual Integrations
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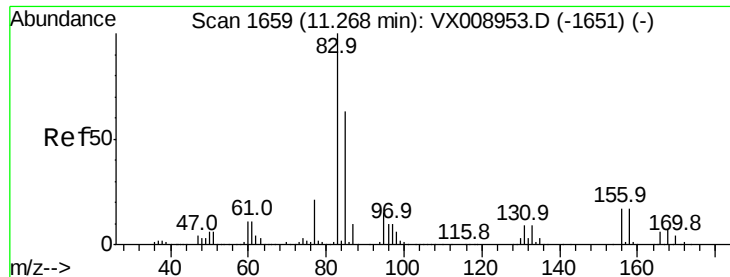
MMdadoda
4/26/2019 10:05:46 AM



#74
N-ethyl acetate
Concen: 52.355 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion: 43 Resp: 306857
Ion Ratio Lower Upper
43 100
70 37.2 29.9 44.9
55 22.8 17.8 26.8
61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.138 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

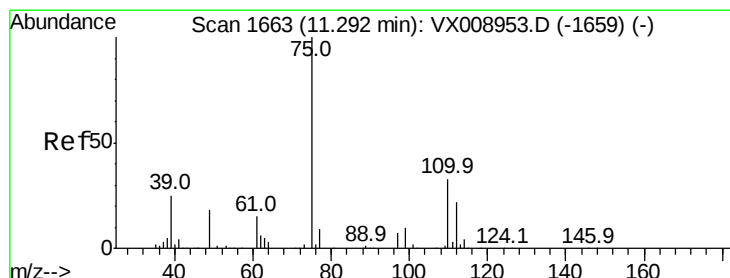
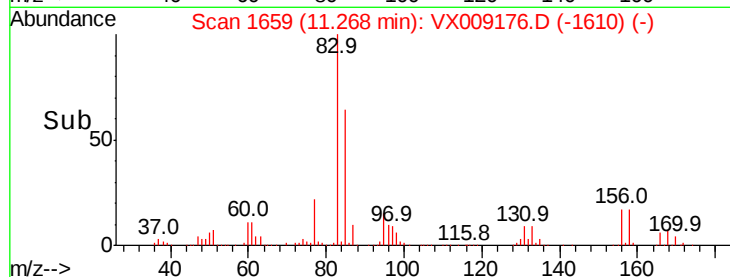
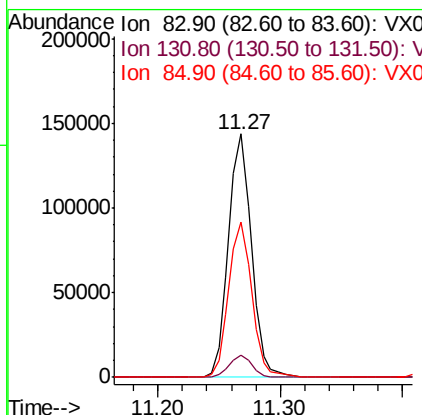
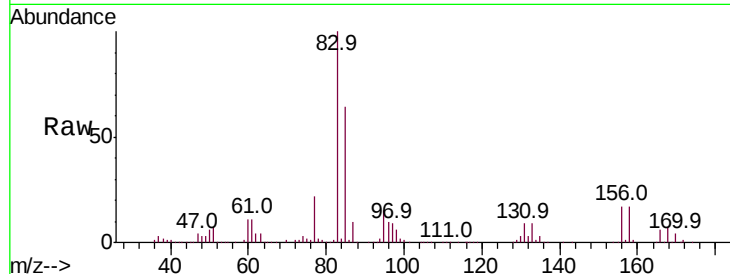
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	187001
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.7	14.0
85	64.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.265 ug/l m

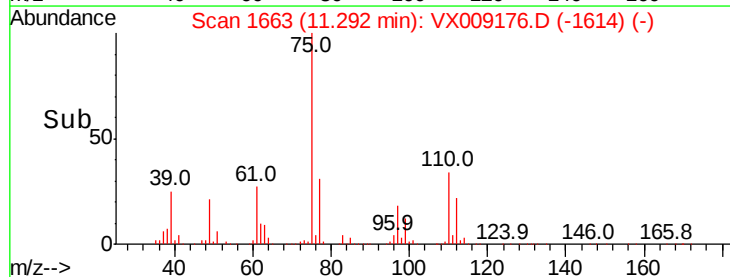
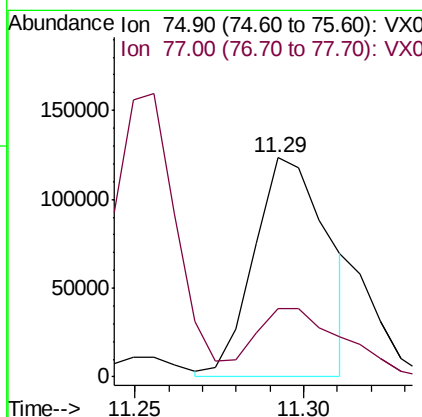
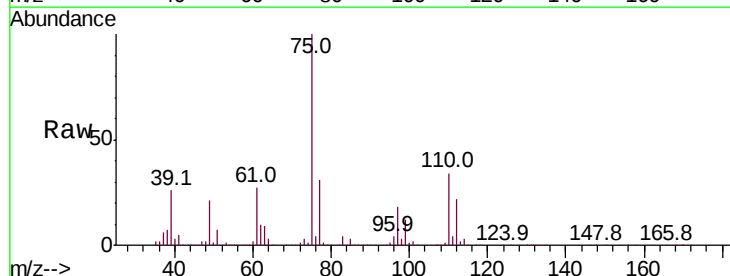
RT: 11.29 min Scan# 1663

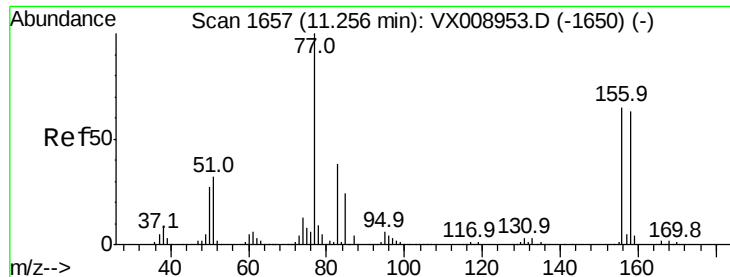
Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Tgt Ion:	75	Resp:	185018
Ion Ratio	Lower	Upper	
75	100		
77	38.5	22.7	68.0





#77

Bromobenzene

Concen: 47.363 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 121983

Ion Ratio Lower Upper

156 100

77 170.2 85.4 256.1

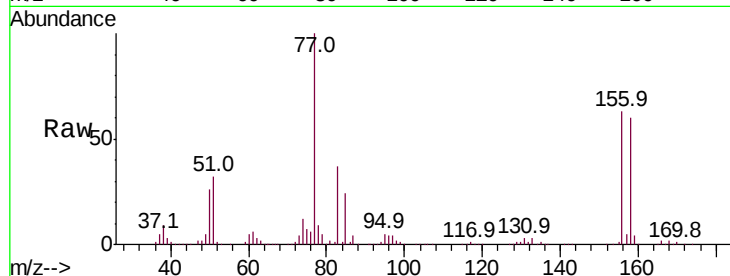
158 96.8 48.8 146.4

Manual Integrations

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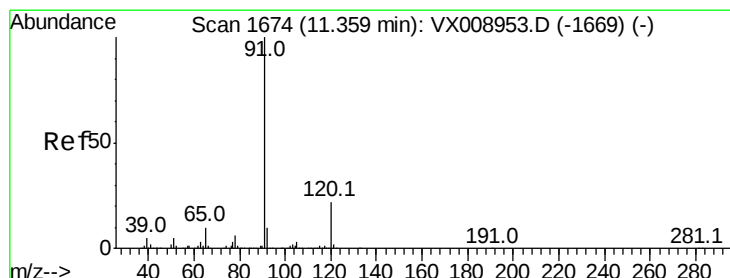
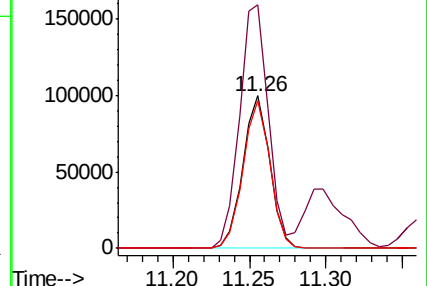
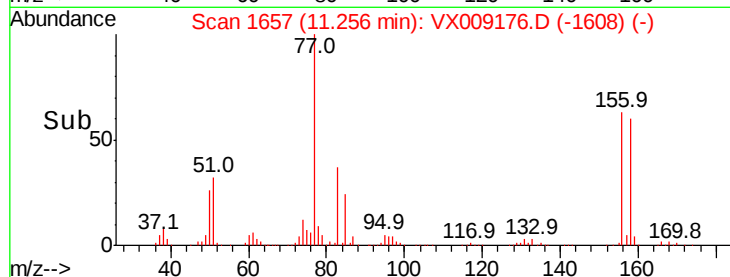
4/26/2019 10:05:46 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.824 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009176.D

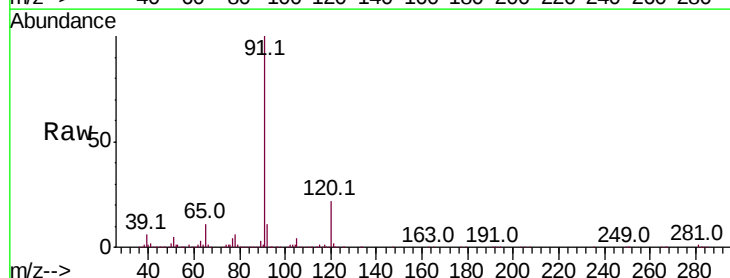
Acq: 25 Apr 2019 20:37

Tgt Ion: 91 Resp: 560310

Ion Ratio Lower Upper

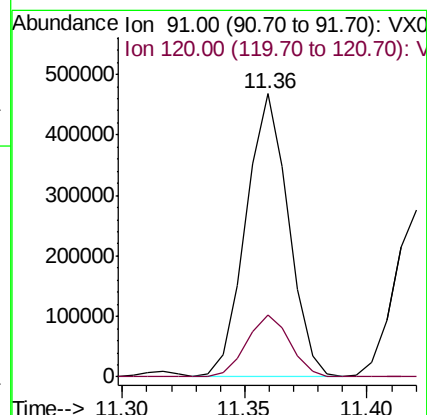
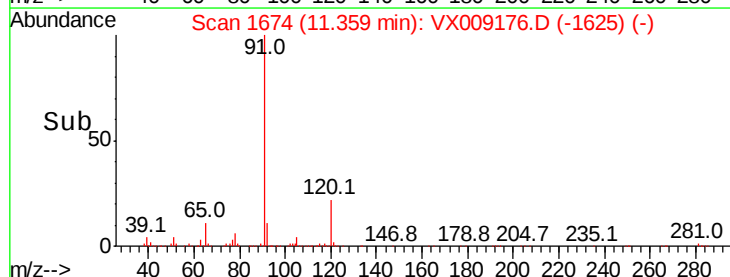
91 100

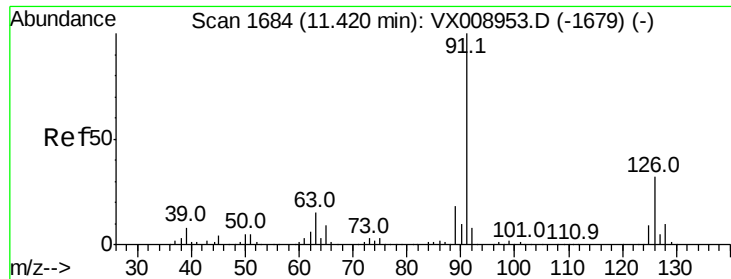
120 22.2 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





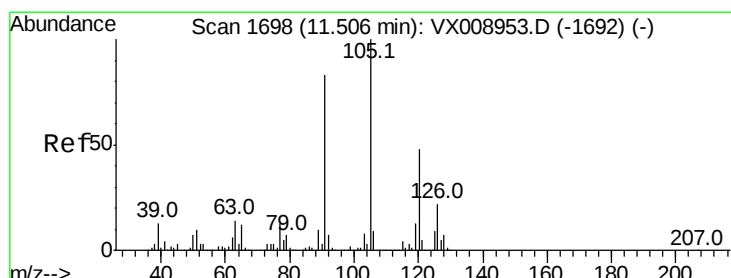
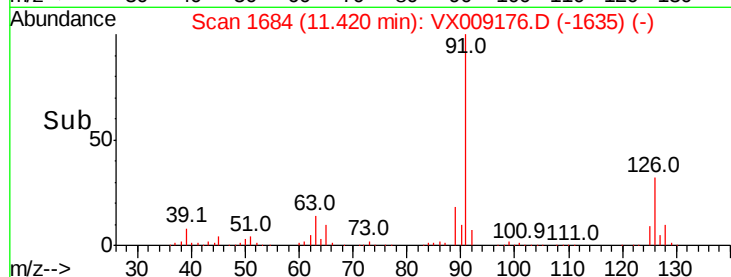
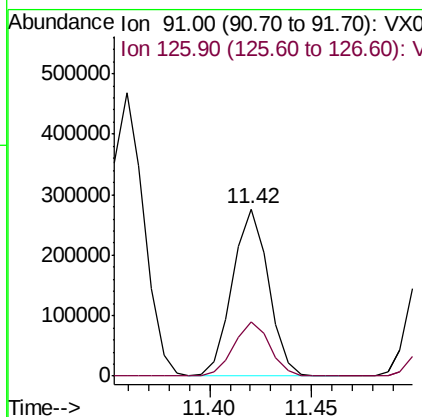
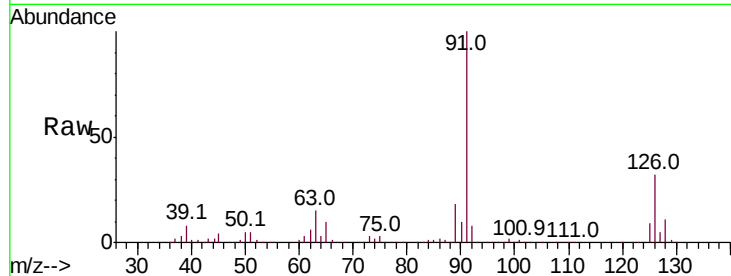
#79
2-Chlorotoluene
Concen: 48.032 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 339118
Ion Ratio Lower Upper
91 100
126 32.2 16.3 48.9

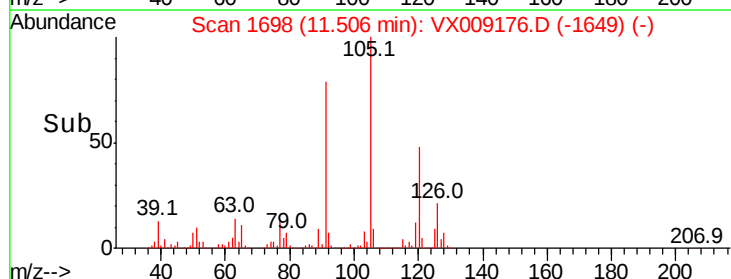
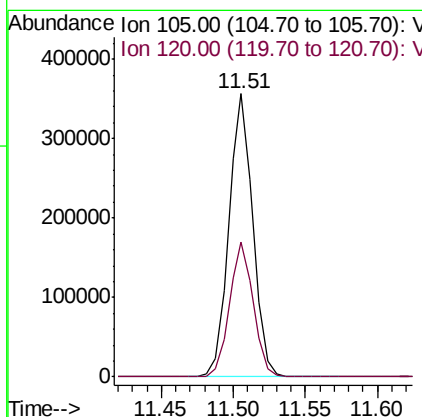
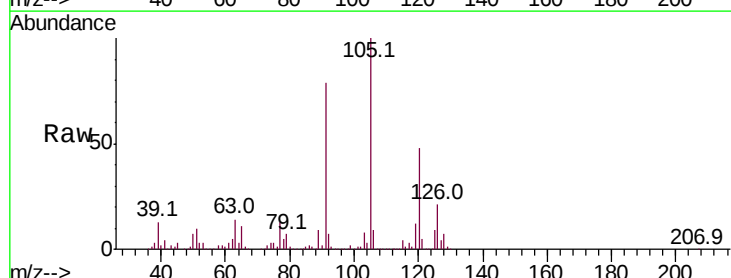
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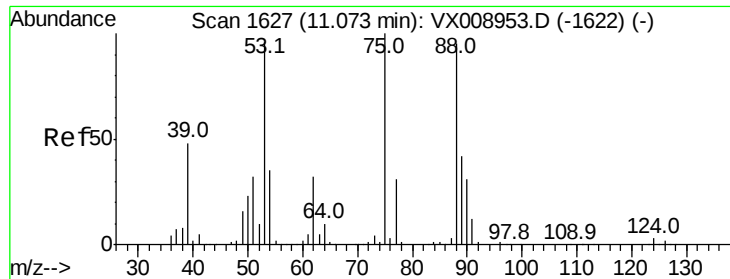
MMdadoda
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#80
1,3,5-Trimethylbenzene
Concen: 48.386 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion:105 Resp: 414468
Ion Ratio Lower Upper
105 100
120 47.5 24.1 72.3





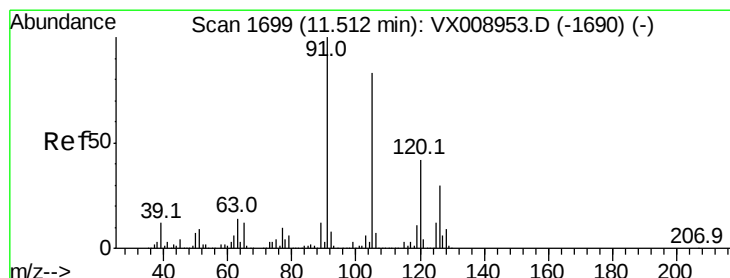
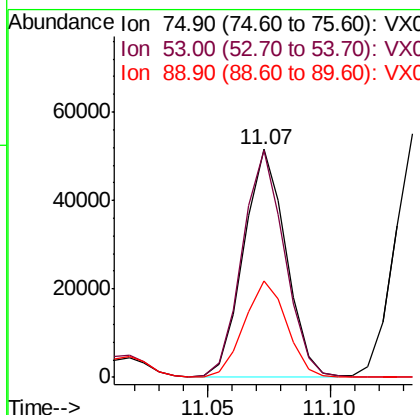
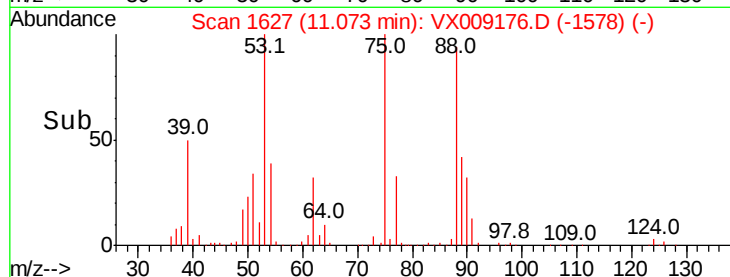
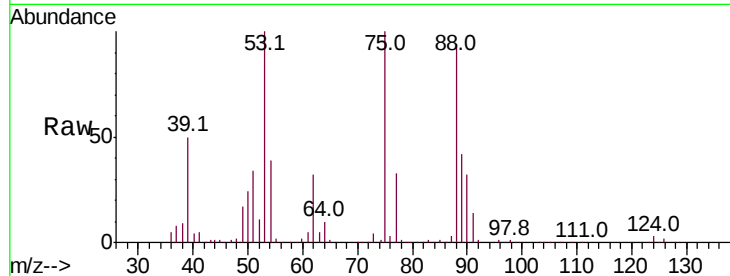
#81
trans-1,4-Dichloro-2-butene
Concen: 48.161 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.4	78.2	117.4
89	43.0	36.0	54.0

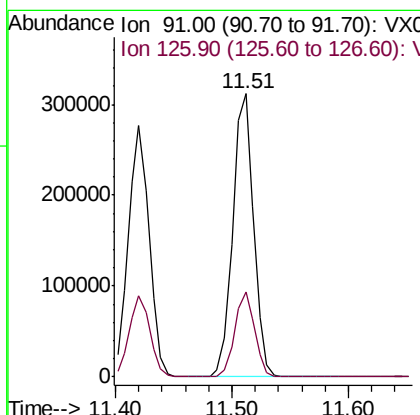
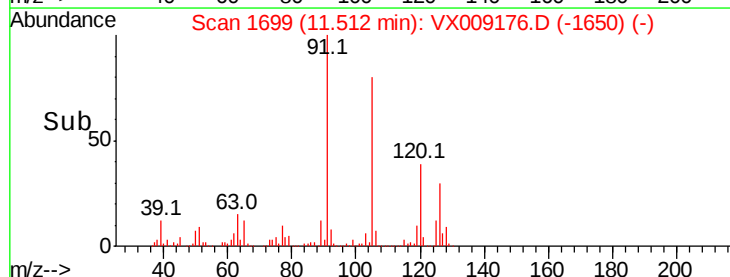
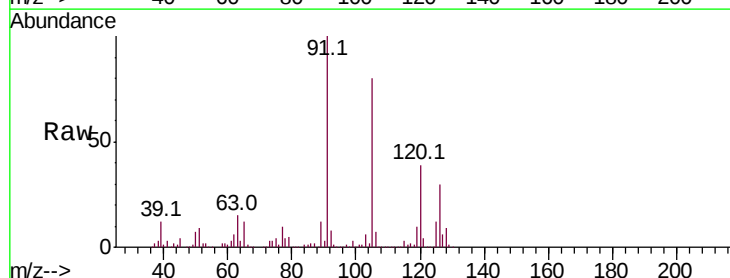
Manual Integrations
APPROVED

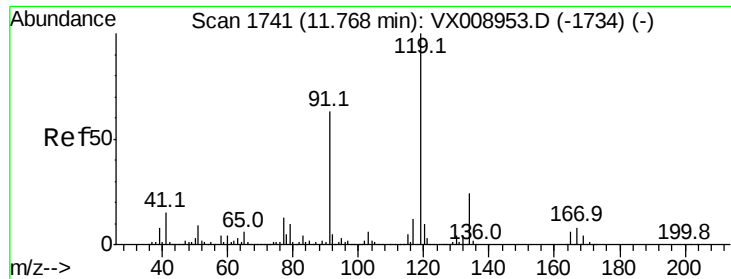
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#82
4-Chlorotoluene
Concen: 47.368 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.3	42.9





#83

tert-Butylbenzene

Concen: 49.262 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

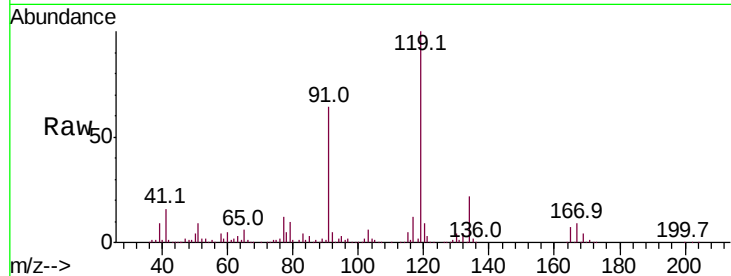
ClientSampleId :

VSTDCCC050EC

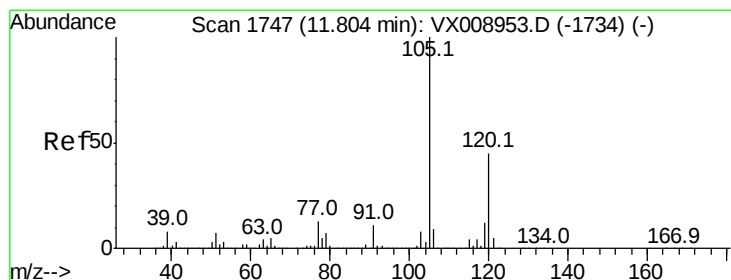
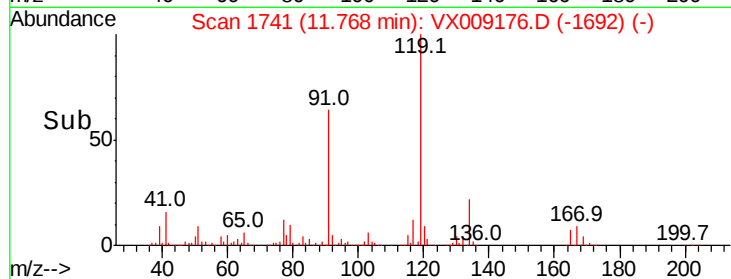
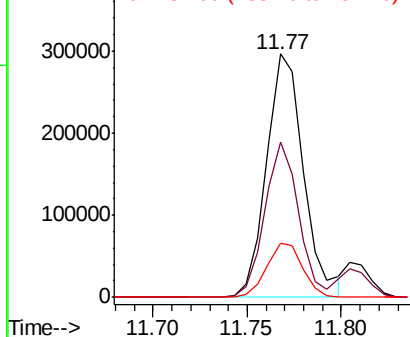
Tot Ion:	119	Resp:	405134
Ion Ratio	Lower	Upper	
119	100		
91	58.1	29.7	89.1
134	21.6	11.2	33.5

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.735 ug/l

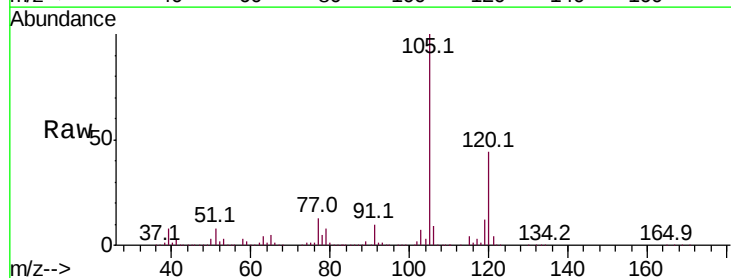
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

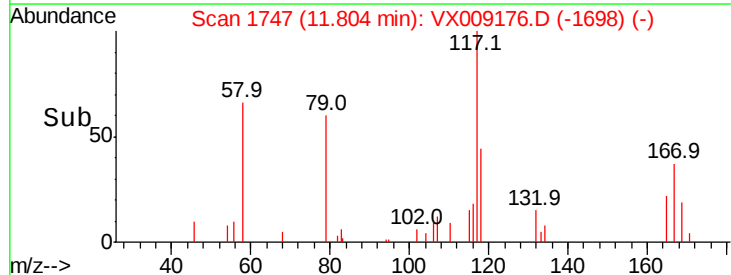
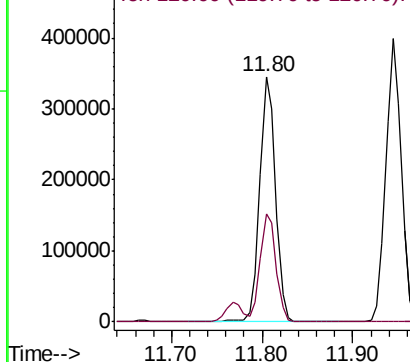
Lab File: VX009176.D

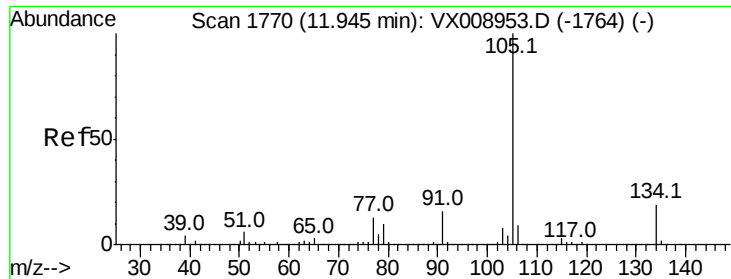
Acq: 25 Apr 2019 20:37

Tgt Ion:	105	Resp:	416221
Ion Ratio	Lower	Upper	
105	100		
120	44.1	21.9	65.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.045 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 471254

Ion Ratio Lower Upper

105 100

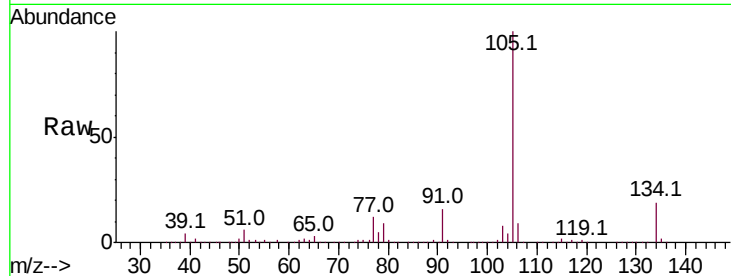
134 19.3 9.6 28.6

Manual Integrations

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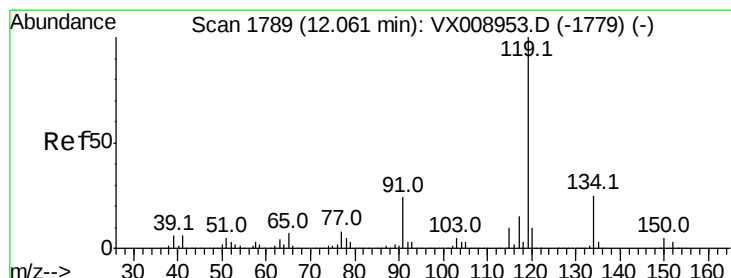
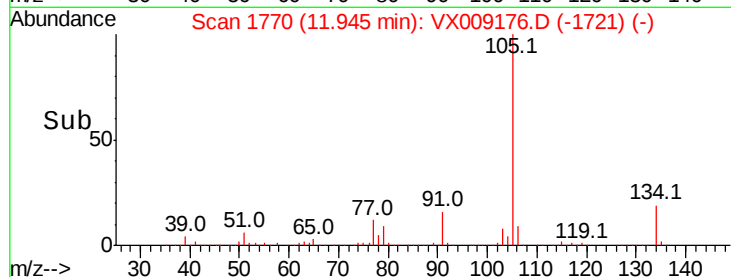
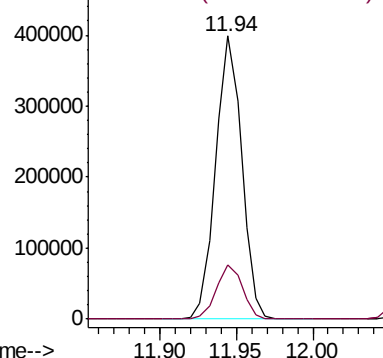
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.584 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

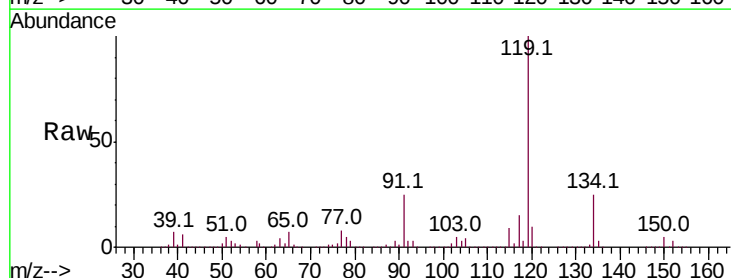
Tgt Ion:119 Resp: 429100

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

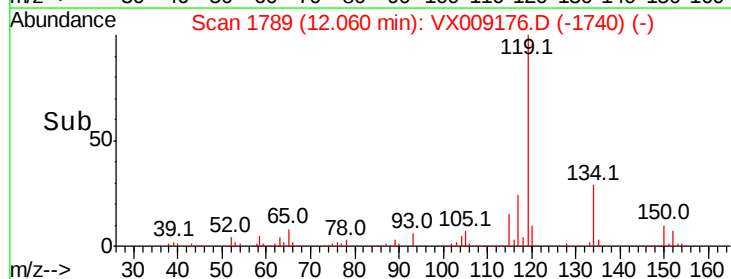
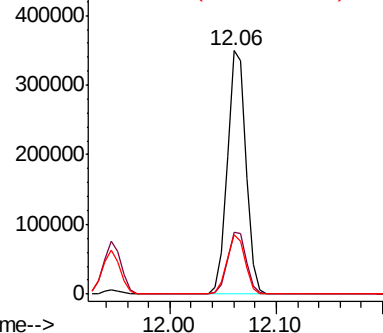
91 23.9 11.9 35.5

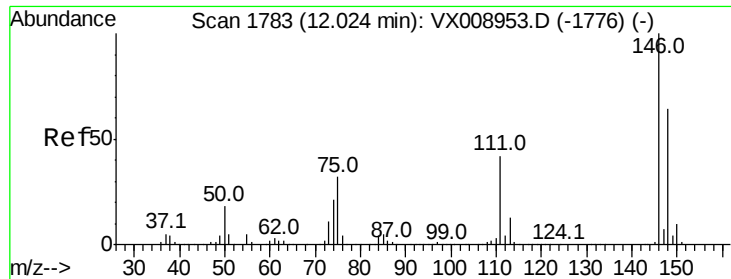


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





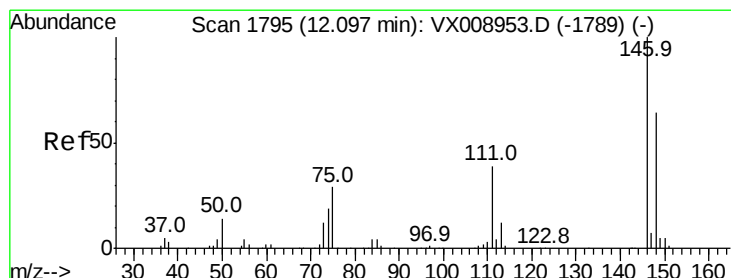
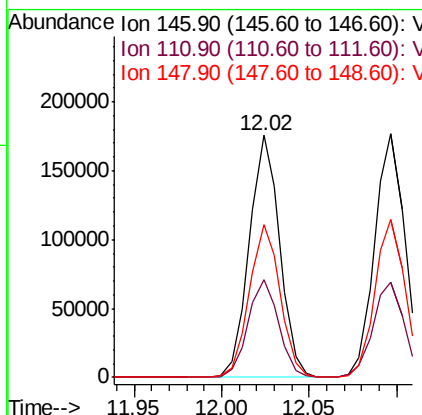
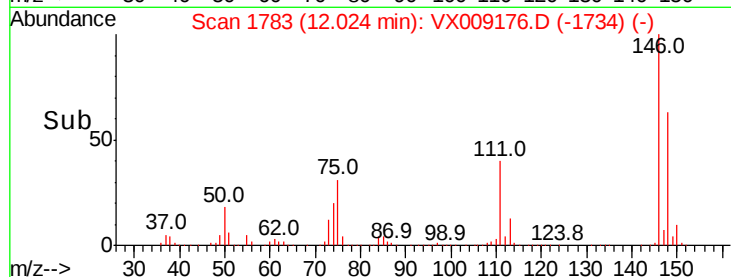
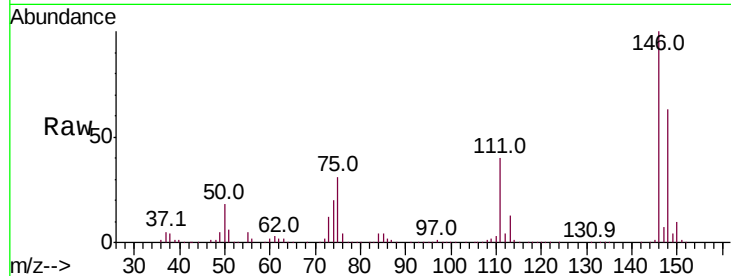
#87
 1,3-Dichlorobenzene
 Concen: 47.081 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009176.D
 Acq: 25 Apr 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.6
148	63.7	32.2	96.6

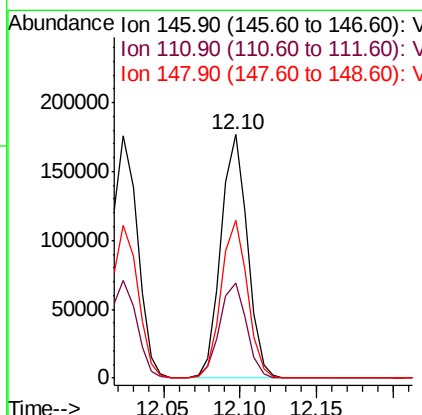
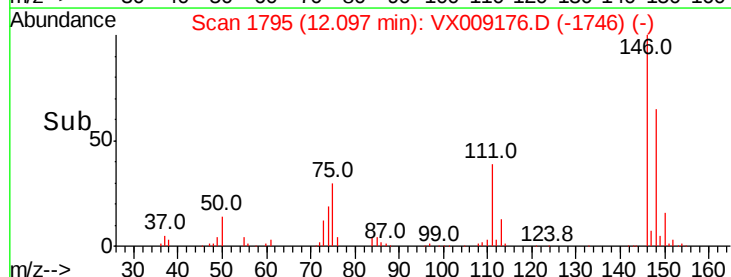
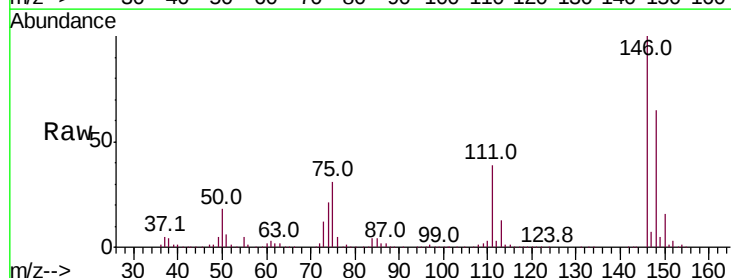
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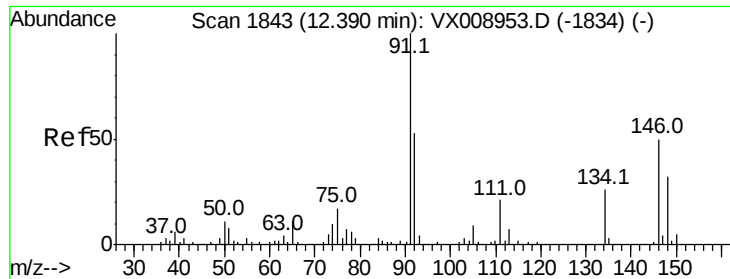
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#88
 1,4-Dichlorobenzene
 Concen: 46.423 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009176.D
 Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.7	32.2	96.6





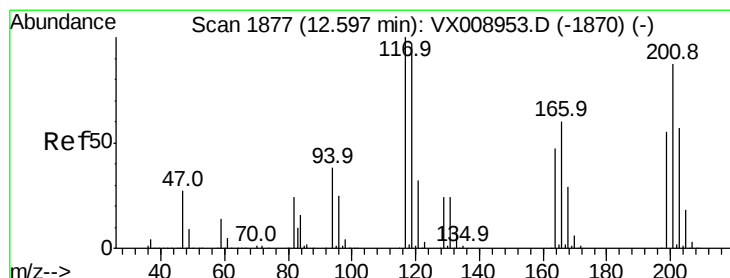
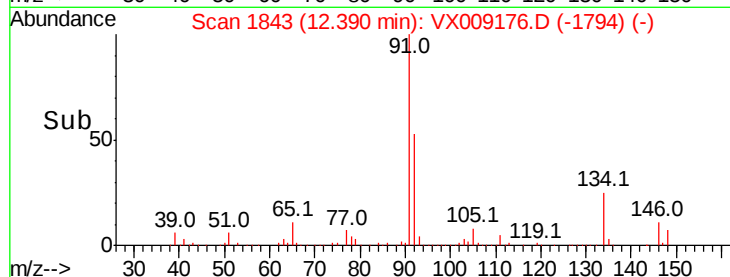
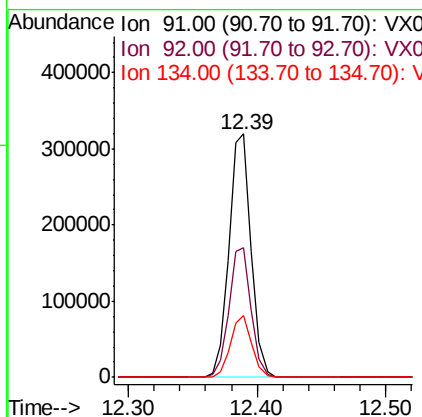
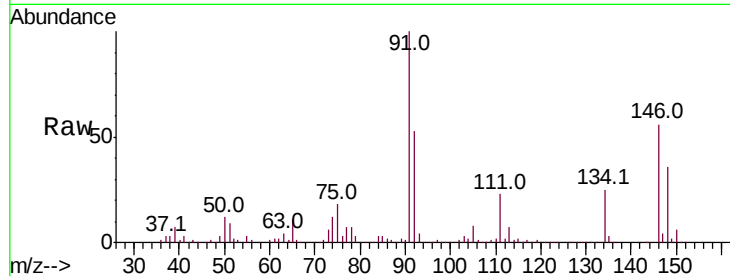
#89
n-Butylbenzene
Concen: 45.780 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	24.6	12.4	37.2

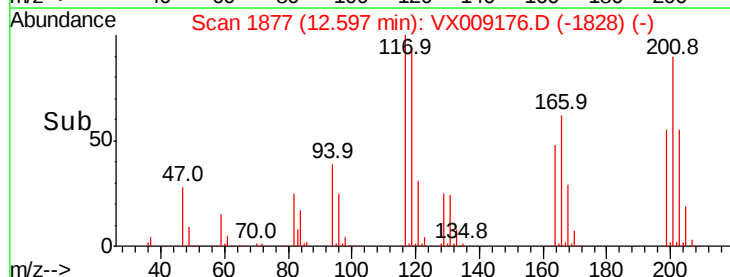
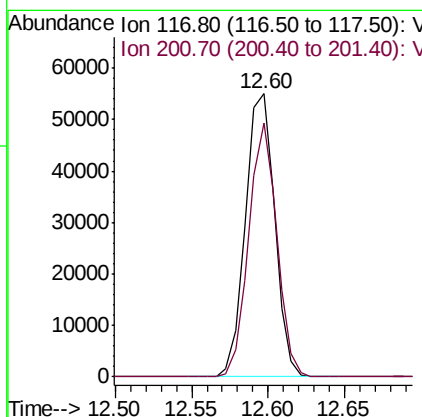
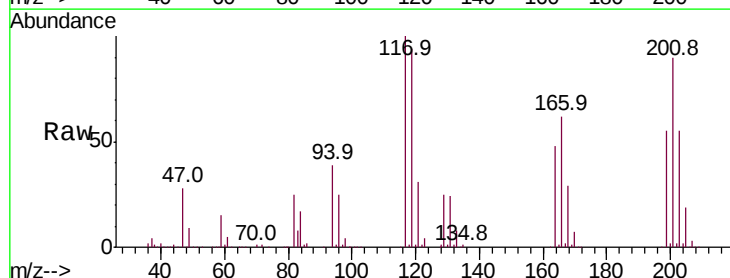
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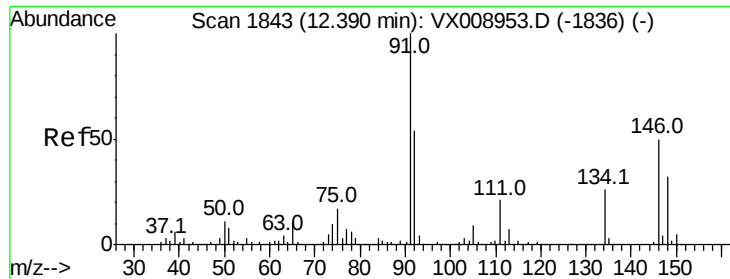
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#90
Hexachloroethane
Concen: 49.294 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009176.D
Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	43.0	129.0





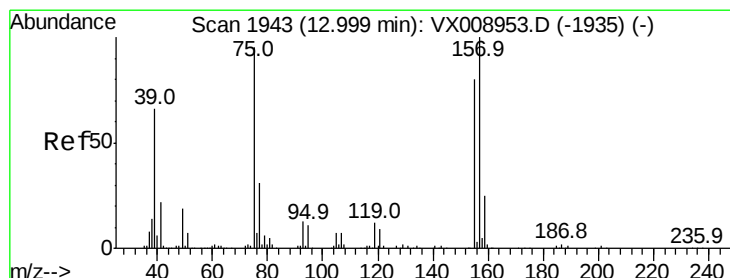
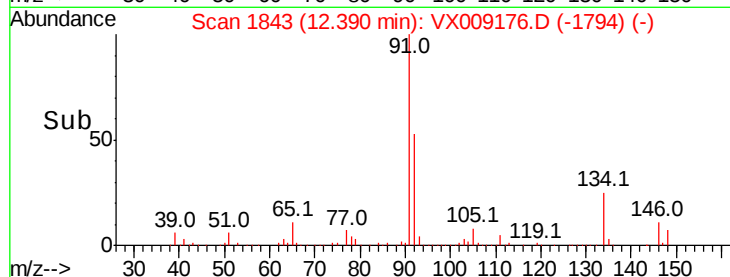
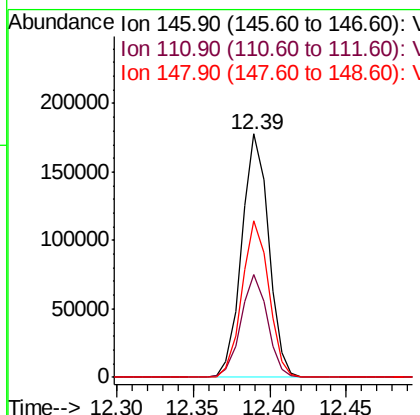
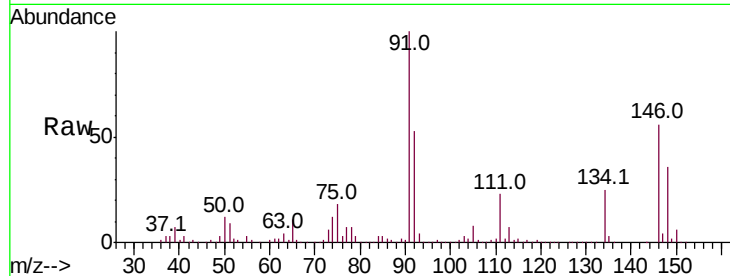
#91
 1,2-Dichlorobenzene
 Concen: 48.746 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009176.D
 Acq: 25 Apr 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.9
148	64.1	32.0	96.2

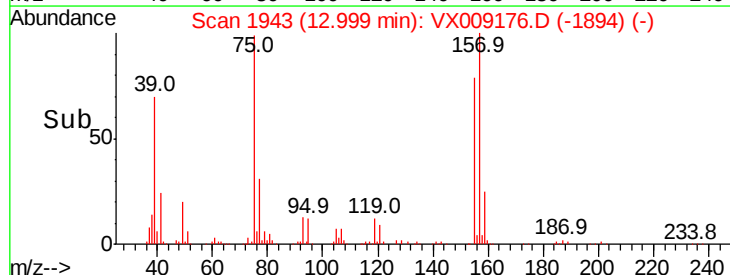
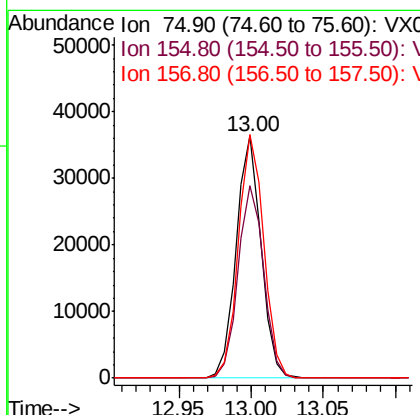
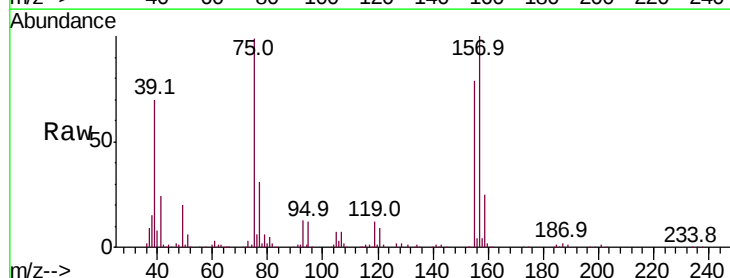
Manual Integrations
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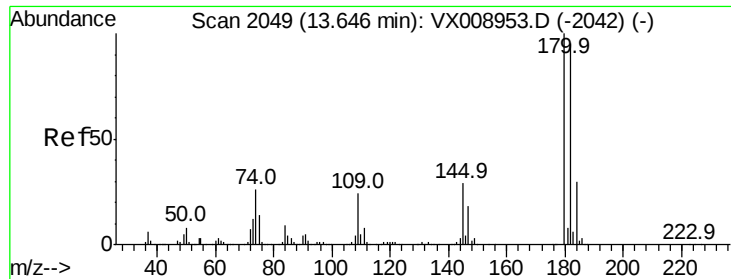
MMDadoda
 4/26/2019 10:05:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.632 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009176.D
 Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	41.2	123.6
157	102.0	52.5	157.6





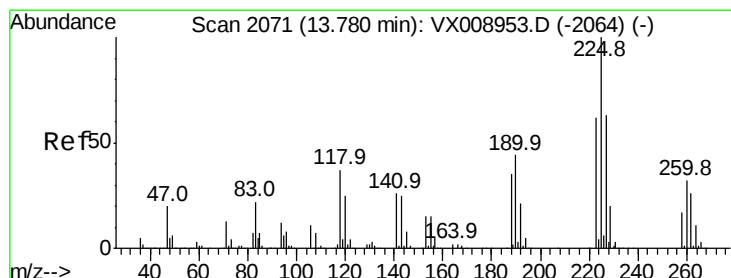
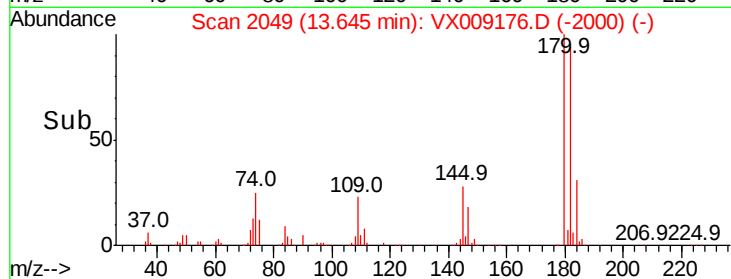
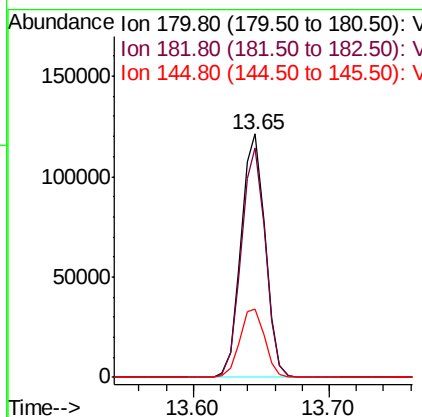
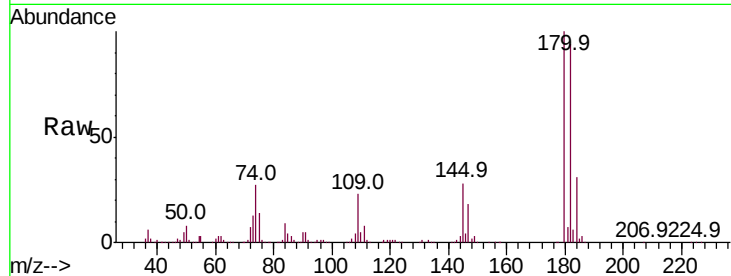
#93
 1,2,4-Trichlorobenzene
 Concen: 46.819 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009176.D
 Acq: 25 Apr 2019 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	47.6	142.9	
145	28.8	14.8	44.4	

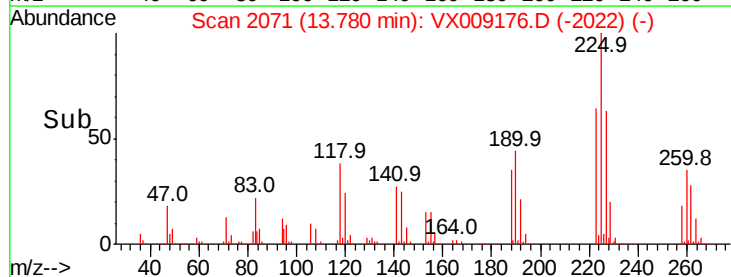
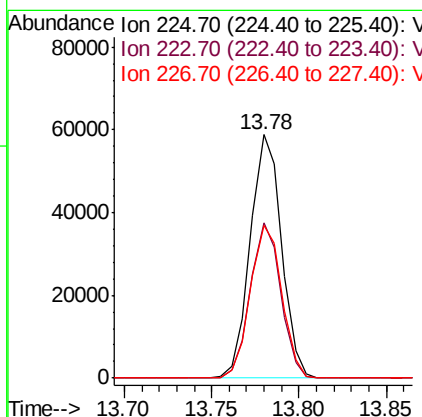
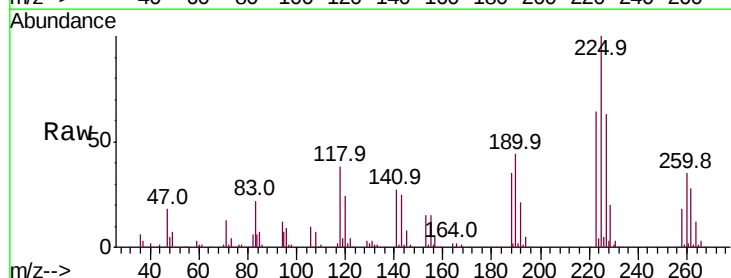
Manual Integrations
 APPROVED

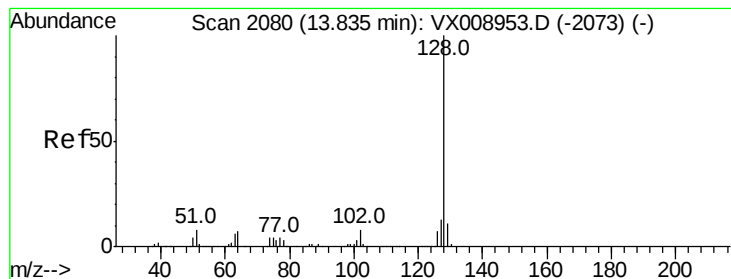
MMDadoda
 4/26/2019 10:05:46 AM



#94
 Hexachlorobutadiene
 Concen: 45.605 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009176.D
 Acq: 25 Apr 2019 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.1	93.2	
227	63.3	32.0	96.2	





#95

Naphthalene

Concen: 49.580 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Instrument :

MSVOA_X

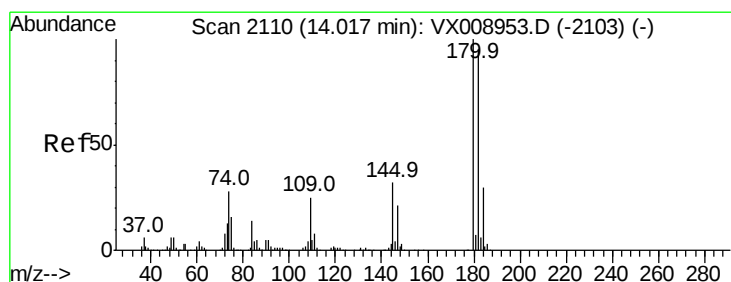
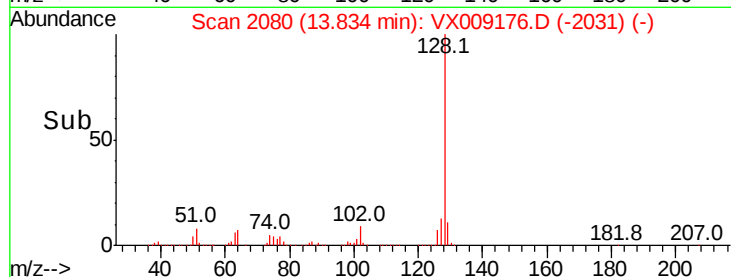
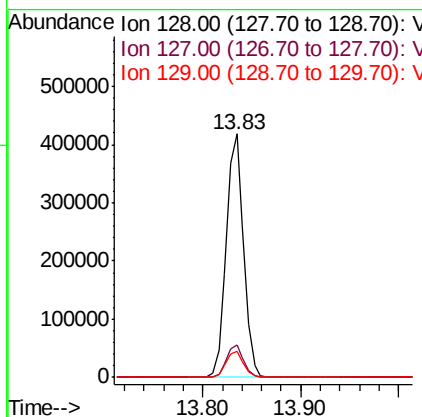
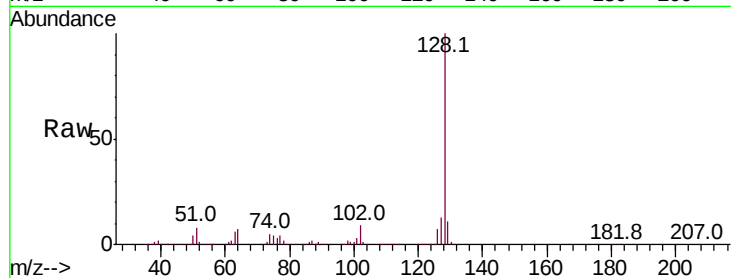
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	510400
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/26/2019 10:05:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.569 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009176.D

Acq: 25 Apr 2019 20:37

Tgt Ion:	180	Resp:	150810
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.8	143.4
145	31.5	15.8	47.3

