

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060319\
 Data File : VX010049.D
 Acq On : 03 Jun 2019 20:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 11:29:57 AM

Quant Time: Jun 04 05:30:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	168196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	265139	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123268	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	107992	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
35) Dibromofluoromethane	5.49	113	79445	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
50) Toluene-d8	8.71	98	326030	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	11.13	95	121744	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	105078	51.125	ug/l	100
3) Chloromethane	1.32	50	125328	45.358	ug/l	100
4) Vinyl Chloride	1.41	62	119543	47.993	ug/l	98
5) Bromomethane	1.64	94	58628	38.848	ug/l	98
6) Chloroethane	1.71	64	65654	42.818	ug/l	99
7) Trichlorofluoromethane	1.92	101	126931	46.115	ug/l	98
8) Diethyl Ether	2.19	74	56118	43.386	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	78118	47.008	ug/l	99
10) Methyl Iodide	2.51	142	100991	49.163	ug/l	100
11) Tert butyl alcohol	3.05	59	129472	221.429	ug/l	100
12) 1,1-Dichloroethene	2.37	96	79738	46.812	ug/l	97
13) Acrolein	2.29	56	87259	213.866	ug/l	99
14) Allyl chloride	2.73	41	188758	45.593	ug/l	99
15) Acrylonitrile	3.14	53	316355	224.549	ug/l	99
16) Acetone	2.45	43	291559	212.391	ug/l	98
17) Carbon Disulfide	2.57	76	219455	42.605	ug/l	100
18) Methyl Acetate	2.78	43	152801	47.837	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	305932	47.572	ug/l	100
20) Methylene Chloride	2.85	84	95245	45.308	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	84673	44.675	ug/l	97
22) Diisopropyl ether	3.85	45	368579	46.790	ug/l	95
23) Vinyl Acetate	3.82	43	1630040	230.345	ug/l	99
24) 1,1-Dichloroethane	3.70	63	178040	46.639	ug/l	99
25) 2-Butanone	4.67	43	476028	222.576	ug/l	99
26) 2,2-Dichloropropane	4.58	77	124486	43.108	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	99810	45.621	ug/l	97
28) Bromochloromethane	5.01	49	88396	44.622	ug/l	96
29) Tetrahydrofuran	5.13	42	308452	224.905	ug/l	99
30) Chloroform	5.21	83	163681	47.543	ug/l	97
31) Cyclohexane	5.58	56	171419	47.411	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	136676	48.746	ug/l	99
36) 1,1-Dichloropropene	5.80	75	123823	46.028	ug/l	99
37) Ethyl Acetate	4.84	43	178362	47.584	ug/l	100
38) Carbon Tetrachloride	5.79	117	113307	48.742	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	153181	48.004	ug/l	98
40) Benzene	6.14	78	383981	48.117	ug/l	100
41) Methacrylonitrile	5.04	41	101464	46.324	ug/l	99
42) 1,2-Dichloroethane	6.19	62	138829	47.057	ug/l	99
43) Isopropyl Acetate	6.45	43	287241	47.492	ug/l	99
44) Trichloroethene	7.21	130	92085	47.505	ug/l	99
45) 1,2-Dichloropropane	7.51	63	109805	47.799	ug/l	98
46) Dibromomethane	7.66	93	62326	46.092	ug/l	97
47) Bromodichloromethane	7.90	83	125538	48.821	ug/l	99
48) Methyl methacrylate	7.77	41	144977	48.422	ug/l	99
49) 1,4-Dioxane	7.74	88	46692	838.393	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	945840	240.402	ug/l	99
52) Toluene	8.78	92	235778	48.661	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	148743	48.233	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	163714	48.724	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	95351	48.894	ug/l	99
56) Ethyl methacrylate	9.18	69	177225	51.046	ug/l	99
57) 1,3-Dichloropropane	9.37	76	168465	48.102	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	443438	243.571	ug/l	99
59) 2-Hexanone	9.49	43	727707	240.237	ug/l	99
60) Dibromochloromethane	9.58	129	96128	50.109	ug/l	99
61) 1,2-Dibromoethane	9.67	107	98436	49.132	ug/l	100
64) Tetrachloroethene	9.34	164	82528	48.330	ug/l	97
65) Chlorobenzene	10.14	112	247358	48.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	89348	50.334	ug/l	100
67) Ethyl Benzene	10.25	91	458916	49.940	ug/l	100
68) m/p-Xylenes	10.36	106	336501	99.120	ug/l	98
69) o-Xylene	10.69	106	164520	50.531	ug/l	99
70) Styrene	10.71	104	290829	50.941	ug/l	99
71) Bromoform	10.85	173	73235	50.472	ug/l #	100
73) Isopropylbenzene	11.02	105	438588	48.223	ug/l	100
74) N-amyl acetate	10.90	43	266262	48.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	160173	47.206	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	139223m	47.231	ug/l	
77) Bromobenzene	11.26	156	111405	48.065	ug/l	96
78) n-propylbenzene	11.36	91	509699	48.619	ug/l	100
79) 2-Chlorotoluene	11.42	91	301863	47.129	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	370534	48.359	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	54197	45.490	ug/l	99
82) 4-Chlorotoluene	11.51	91	350614	47.023	ug/l	99
83) tert-Butylbenzene	11.77	119	360855	49.227	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	373228	47.965	ug/l	99
85) sec-Butylbenzene	11.94	105	424754	48.705	ug/l	99
86) p-Isopropyltoluene	12.06	119	390629	49.799	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	196701	47.668	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	197609	46.956	ug/l	99
89) n-Butylbenzene	12.38	91	360187	48.860	ug/l	99
90) Hexachloroethane	12.60	117	64651	48.026	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	195800	48.127	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36202	45.327	ug/l	93

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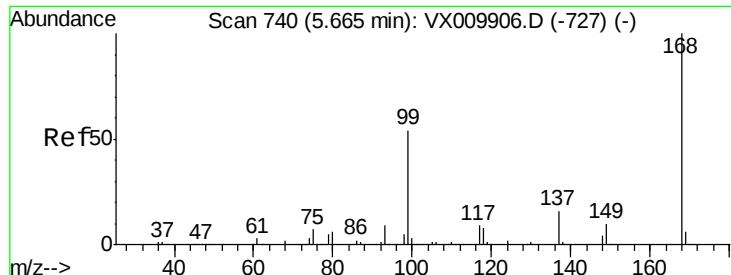
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	140317	48.263	ug/l	99
94) Hexachlorobutadiene	13.78	225	69673	47.778	ug/l	100
95) Naphthalene	13.83	128	449194	49.648	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	140123	48.148	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 168196

Ion Ratio Lower Upper

168 100

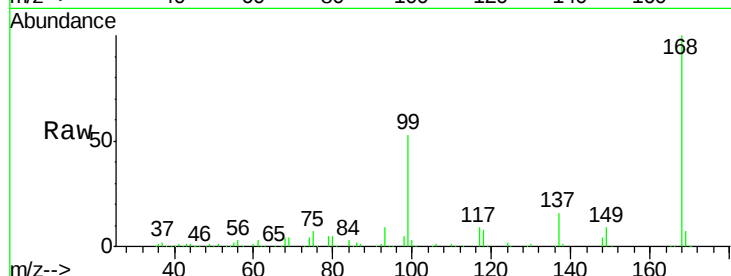
99 53.1 43.0 64.6

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

5.67

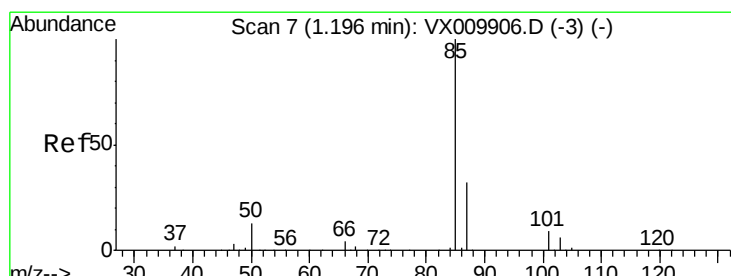
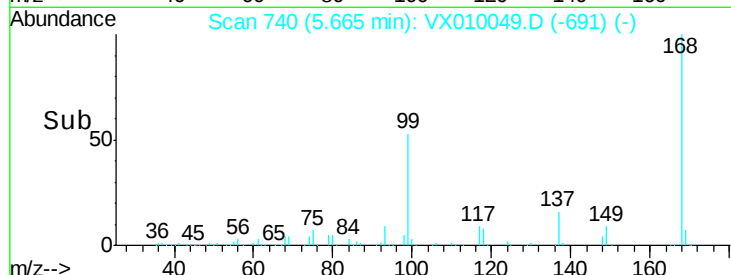
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.125 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010049.D

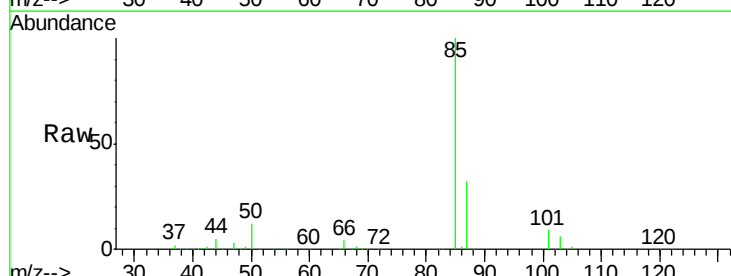
Acq: 03 Jun 2019 20:18

Tgt Ion: 85 Resp: 105078

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

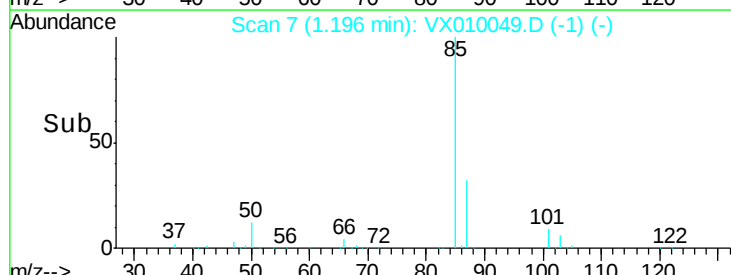
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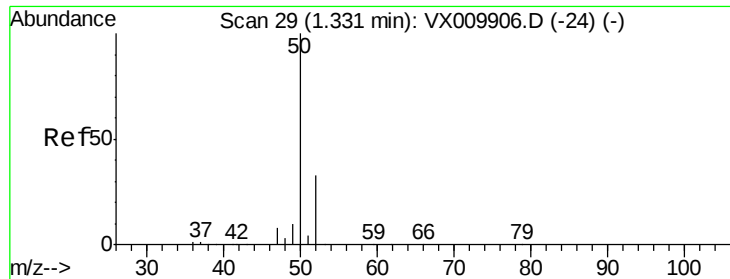
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20000

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Time-->





#3

Chloromethane

Concen: 45.358 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 125328

Ion Ratio Lower Upper

50 100

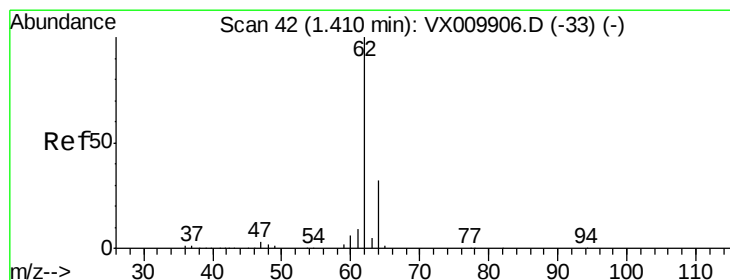
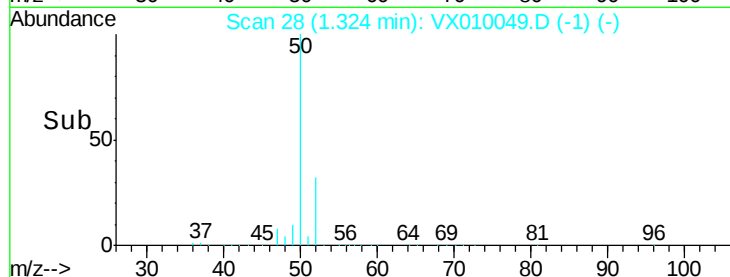
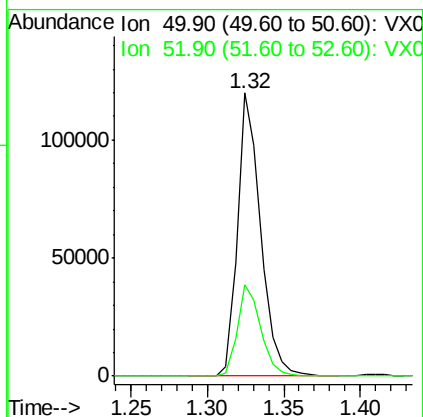
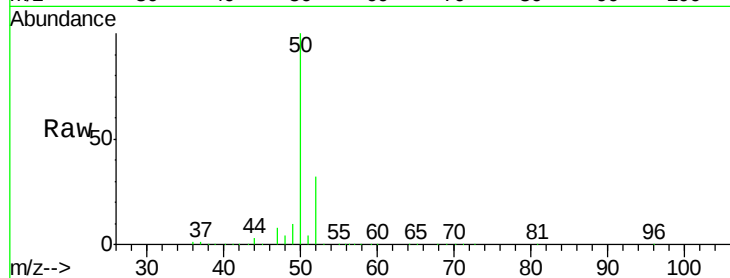
52 32.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.993 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010049.D

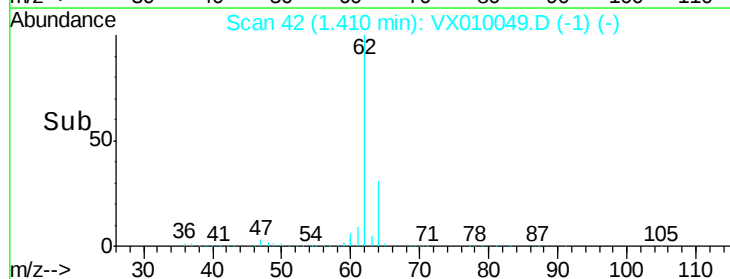
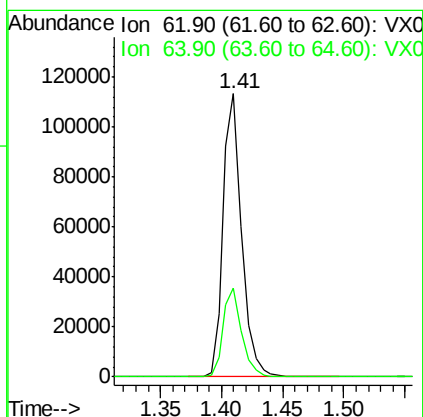
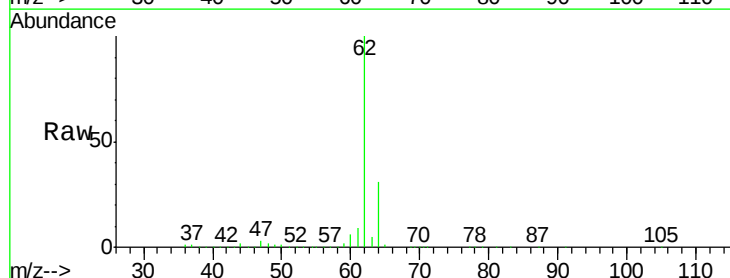
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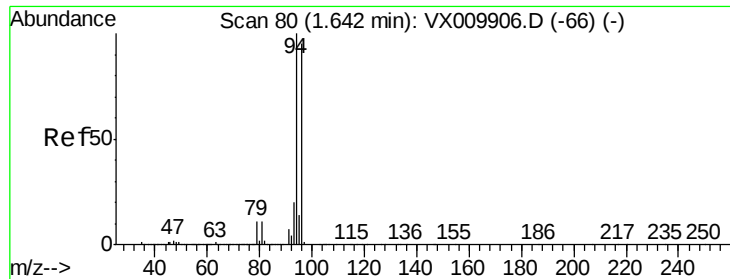
Tgt Ion: 62 Resp: 119543

Ion Ratio Lower Upper

62 100

64 31.2 25.7 38.5





#5

Bromomethane

Concen: 38.848 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 58628

Ion Ratio Lower Upper

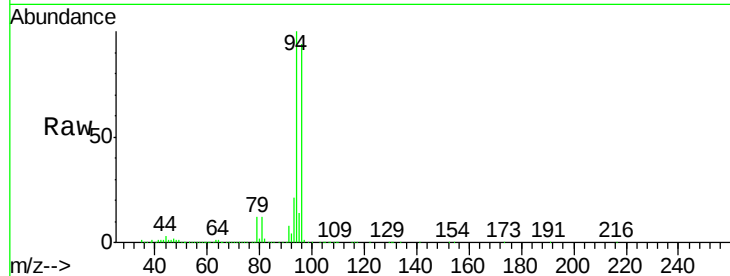
94 100

96 93.4 76.2 114.4

Manual Integrations
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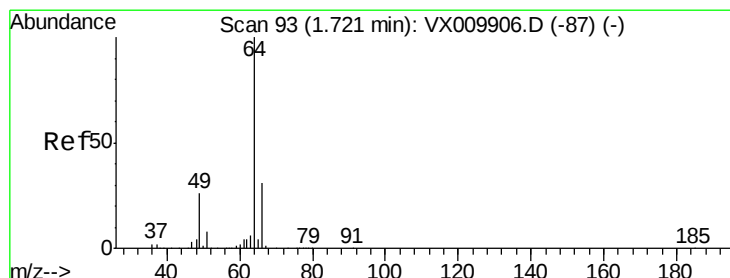
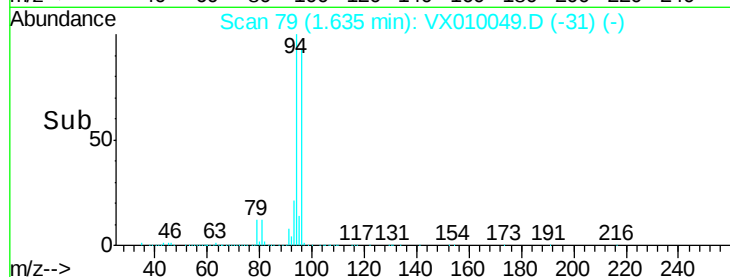
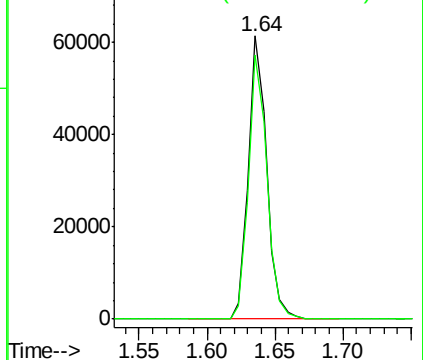
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 42.818 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010049.D

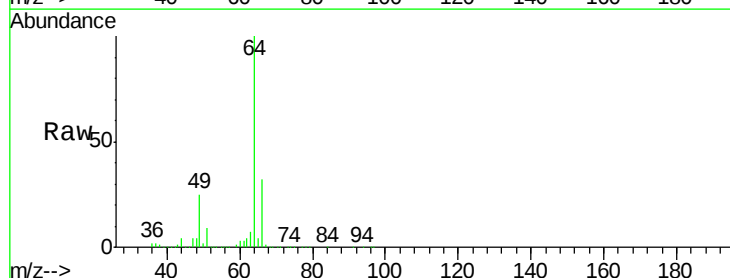
Acq: 03 Jun 2019 20:18

Tgt Ion: 64 Resp: 65654

Ion Ratio Lower Upper

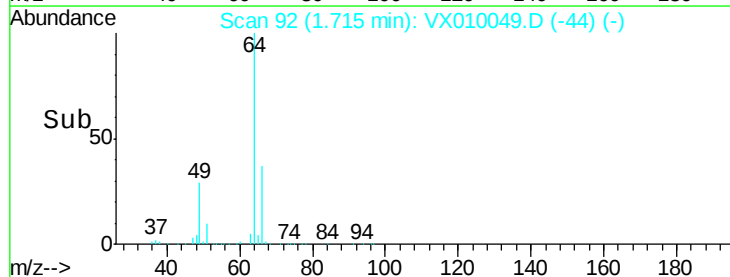
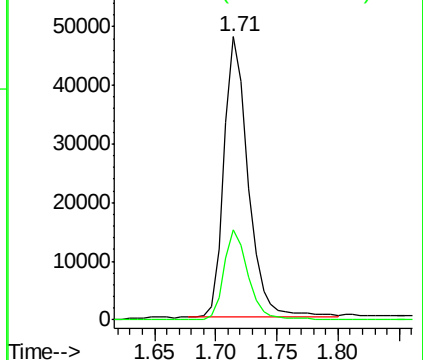
64 100

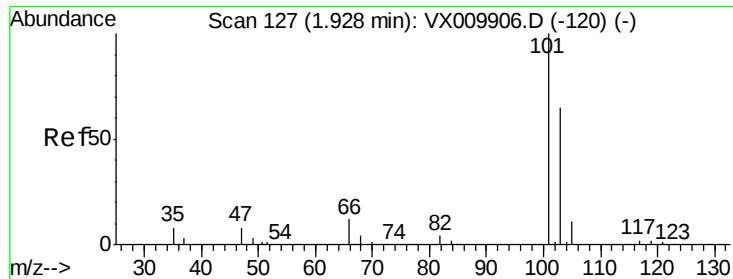
66 32.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

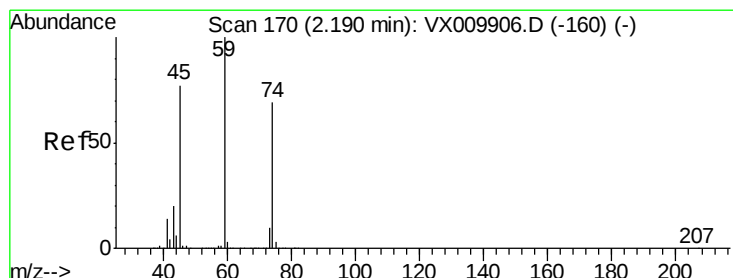
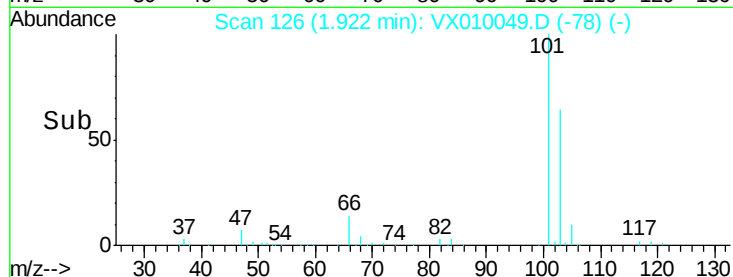
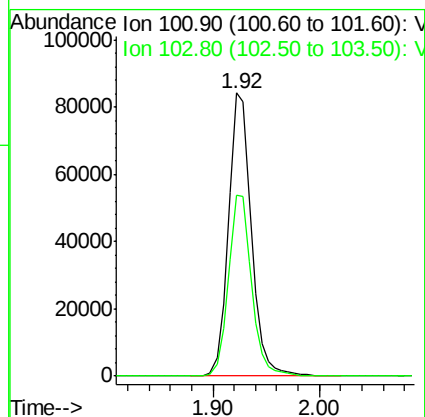
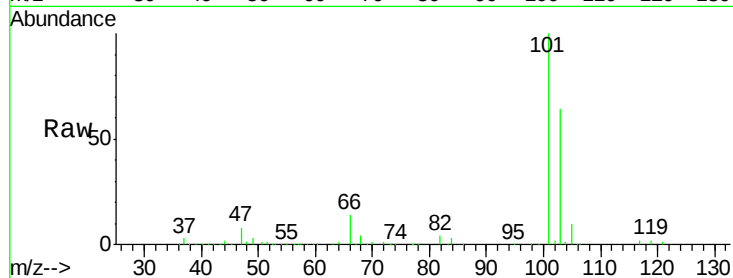
Trichlorofluoromethane
Concen: 46.115 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

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VSTDCCC050EC

Tot Ion:101 Resp: 126931
Ion Ratio Lower Upper
101 100
103 63.8 52.2 78.4

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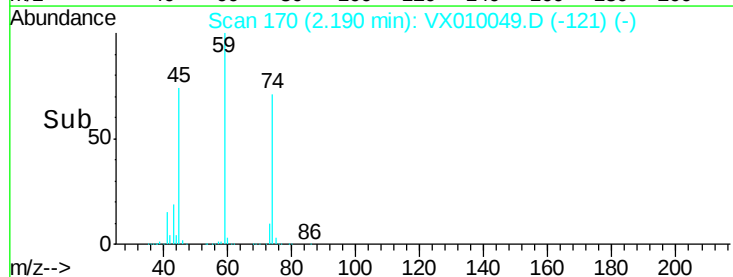
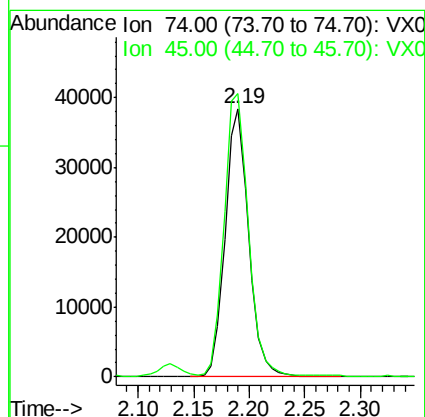
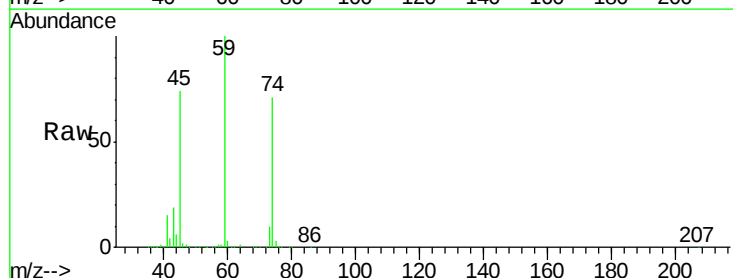
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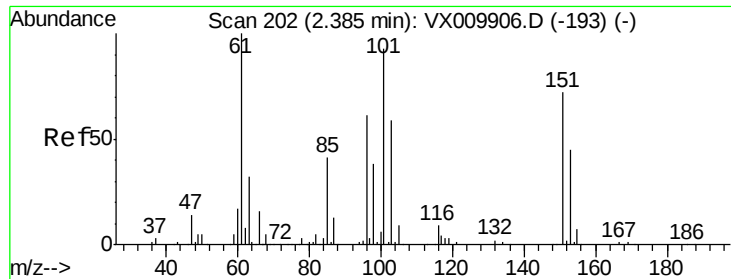


#8

Diethyl Ether
Concen: 43.386 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion: 74 Resp: 56118
Ion Ratio Lower Upper
74 100
45 109.6 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.008 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

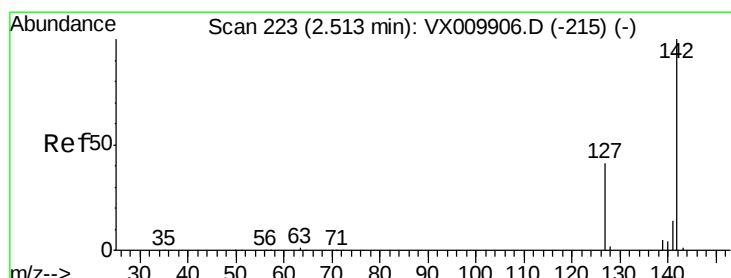
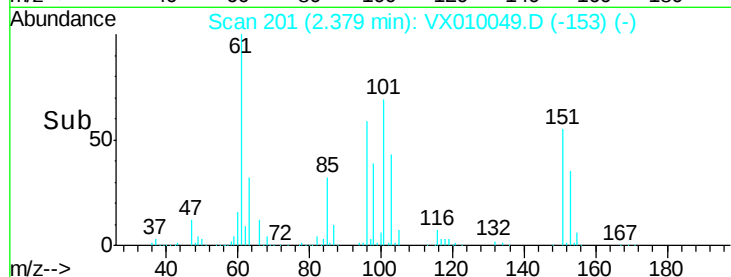
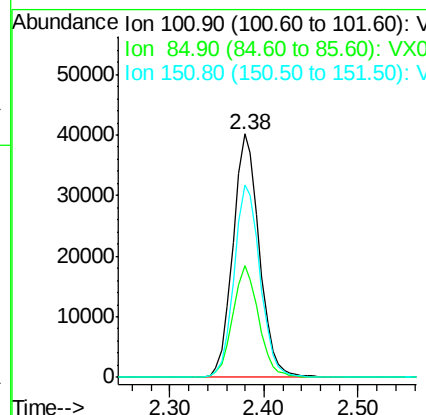
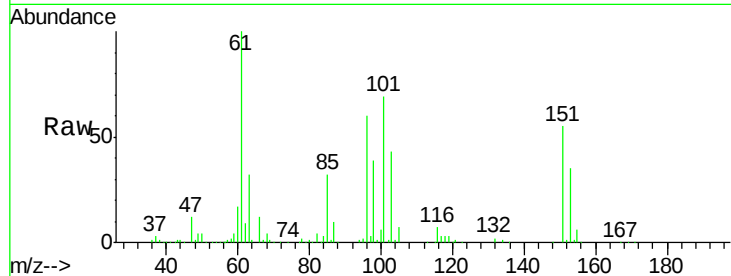
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	78118
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.2	52.8
151	78.5	61.9	92.9

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#10

Methyl Iodide

Concen: 49.163 ug/l

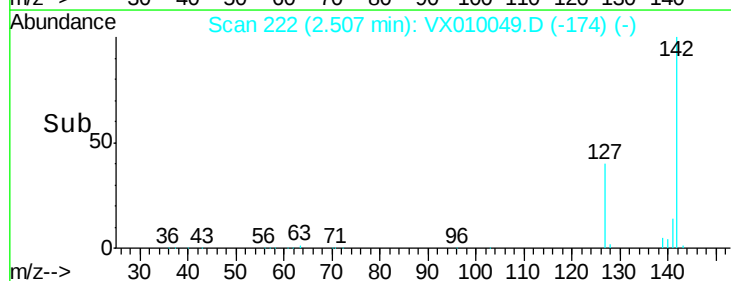
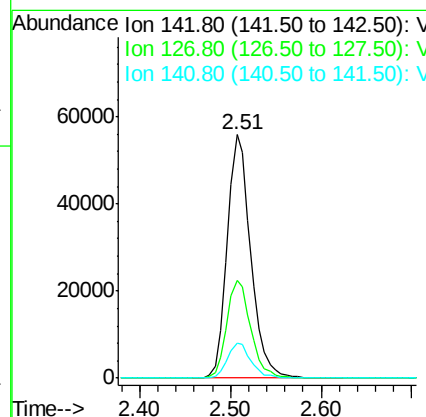
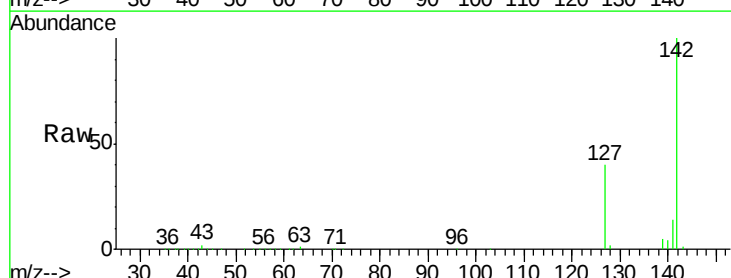
RT: 2.51 min Scan# 222

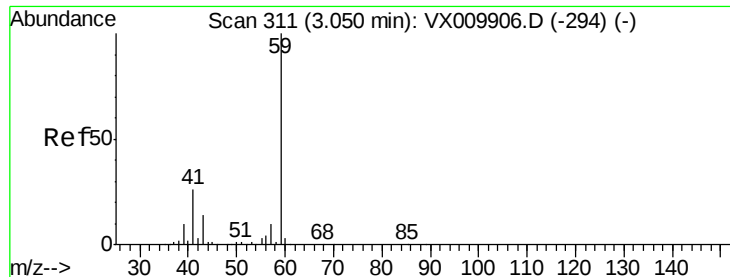
Delta R.T. -0.01 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Tgt Ion:	142	Resp:	100991
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.0	49.4
141	14.3	11.4	17.0





#11

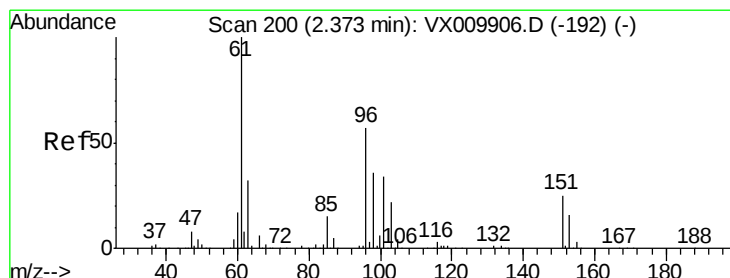
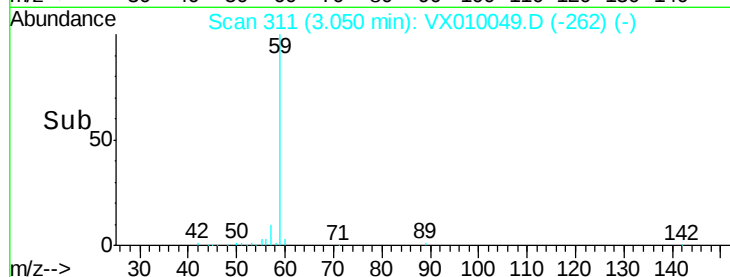
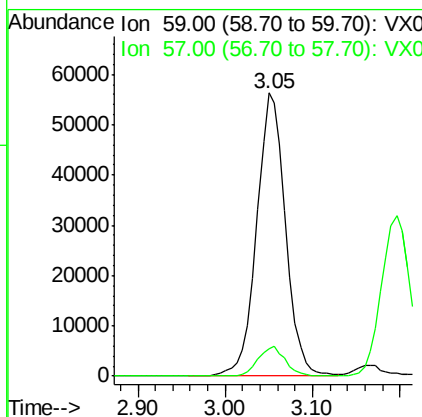
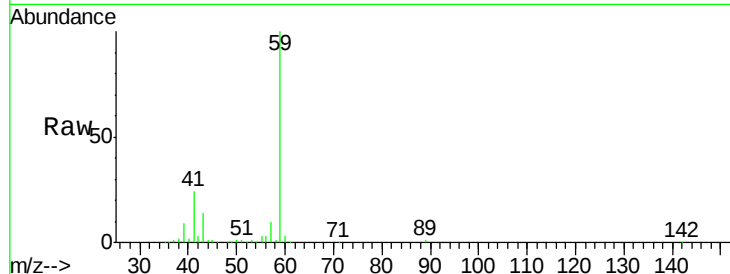
Tert butyl alcohol
Concen: 221.429 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	129472
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.2

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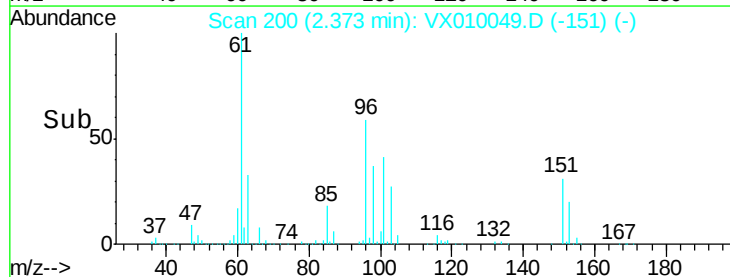
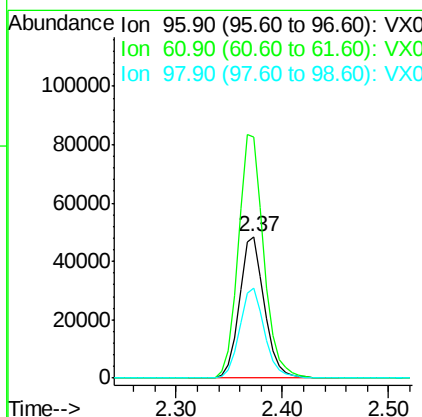
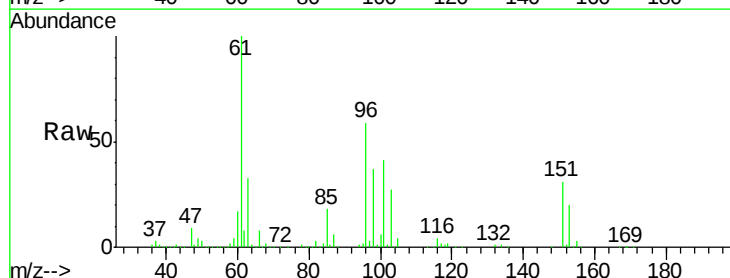
MMDadoda
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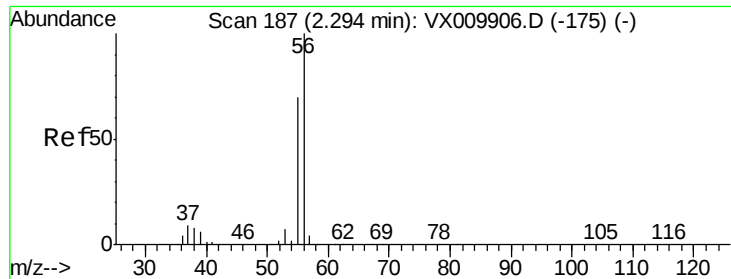


#12

1,1-Dichloroethene
Concen: 46.812 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion	96	Resp	79738
Ion Ratio	100	Lower	Upper
61	170.4	140.7	211.1
98	63.6	50.1	75.1





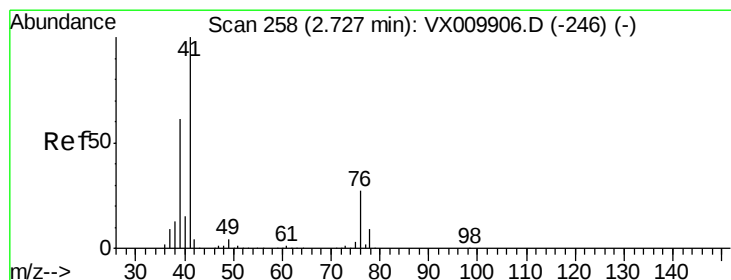
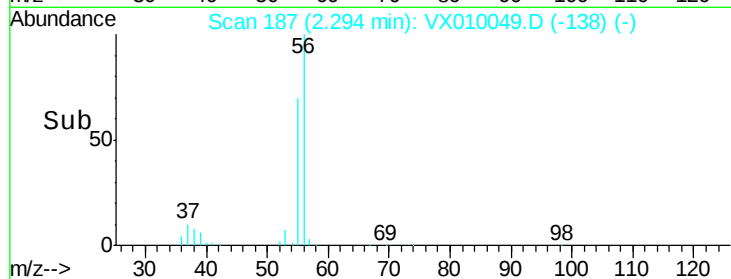
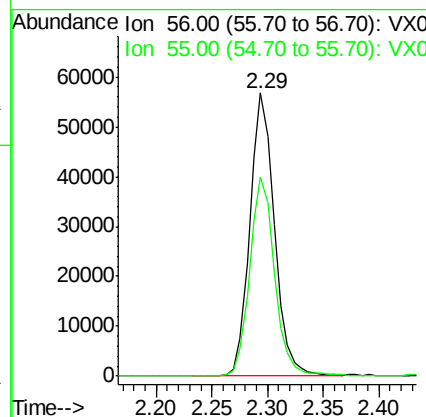
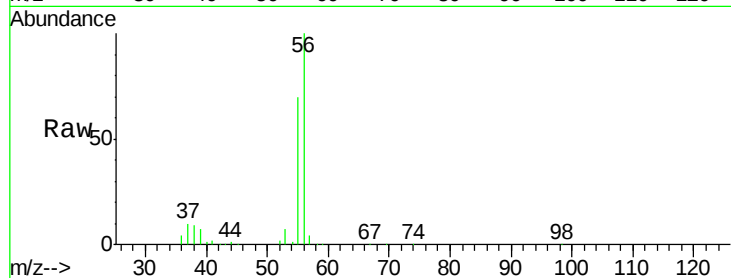
#13
Acrolein
Concen: 213.866 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	87259
Ion Ratio	100	Lower	Upper
56	100		
55	70.6	57.0	85.4

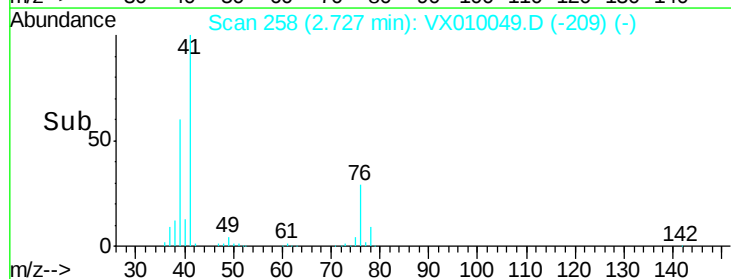
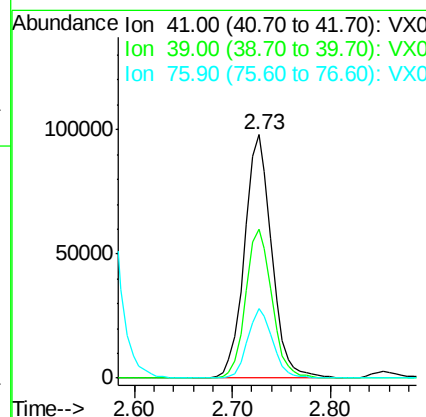
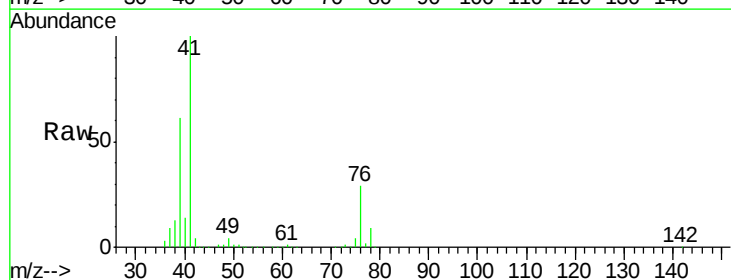
Manual Integrations
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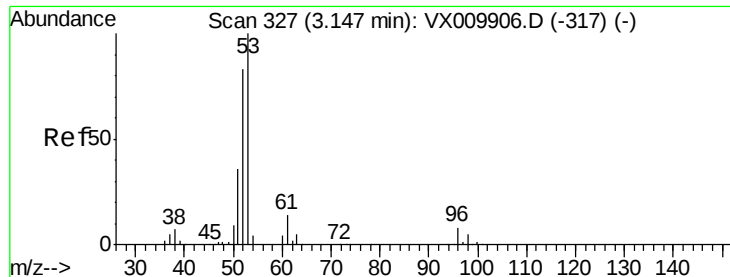
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#14
Allyl chloride
Concen: 45.593 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion	41	Resp	188758
Ion Ratio	100	Lower	Upper
41	100		
39	58.9	46.7	70.1
76	26.2	21.0	31.4





#15

Acrylonitrile

Concen: 224.549 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

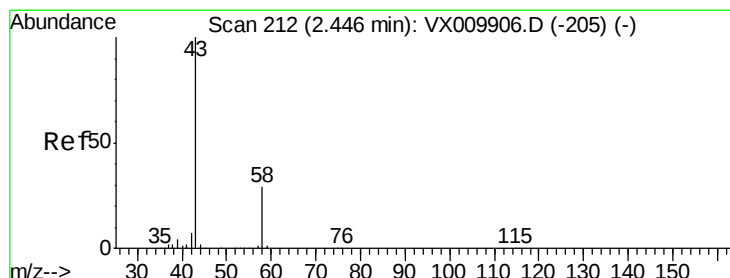
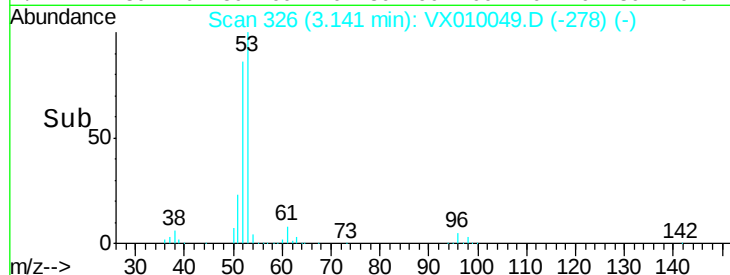
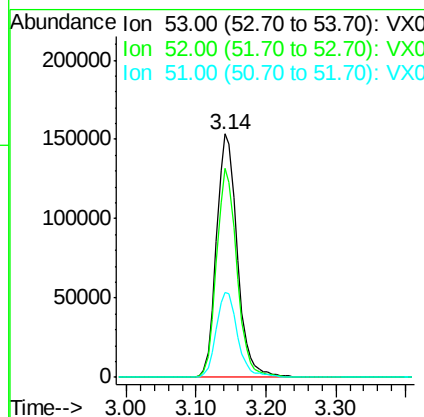
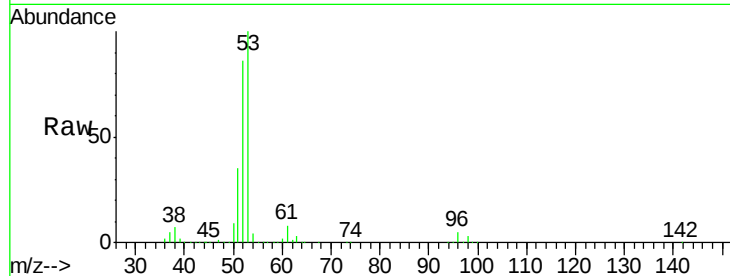
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	316355
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.7	100.1
51	36.0	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 212.391 ug/l

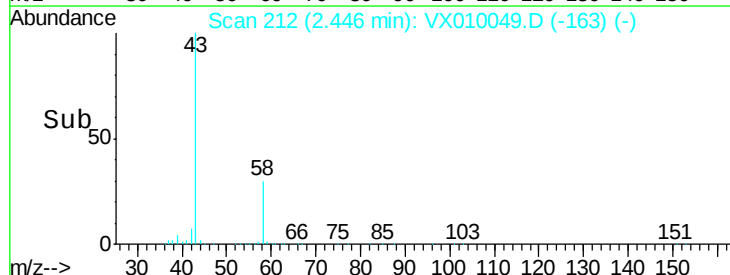
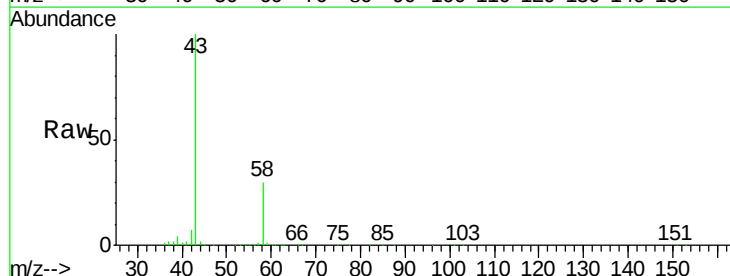
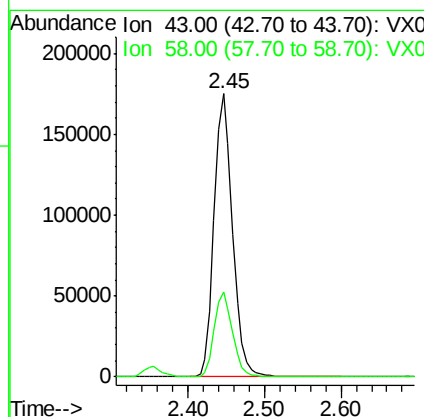
RT: 2.45 min Scan# 212

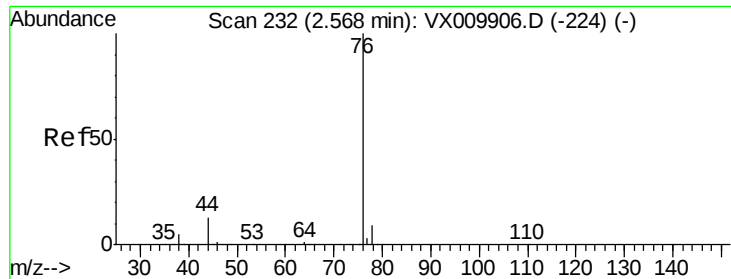
Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Tgt Ion:	43	Resp:	291559
Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.2	34.8





#17

Carbon Disulfide

Concen: 42.605 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 219455

Ion Ratio Lower Upper

76 100

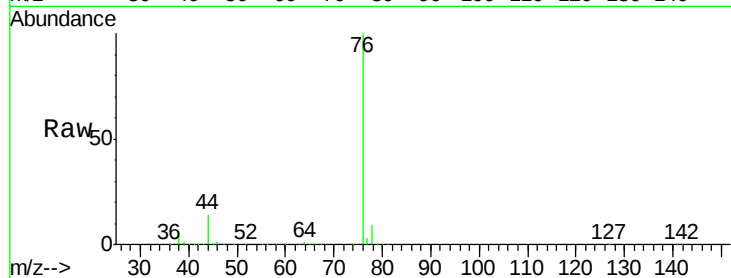
78 8.7 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

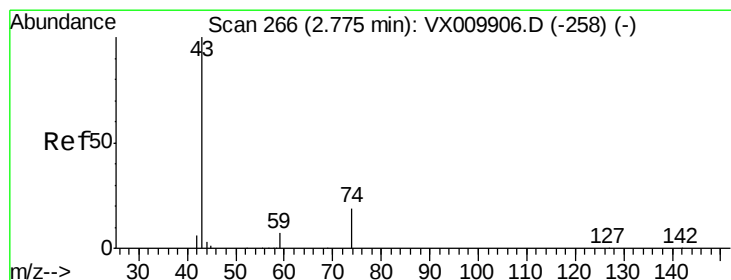
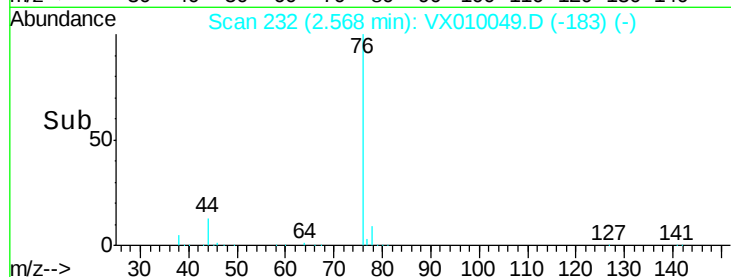
2.57

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.837 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010049.D

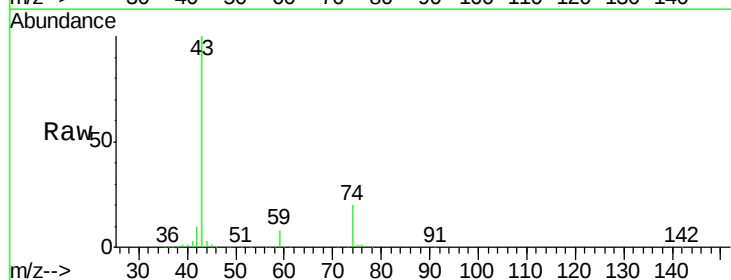
Acq: 03 Jun 2019 20:18

Tgt Ion: 43 Resp: 152801

Ion Ratio Lower Upper

43 100

74 20.1 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

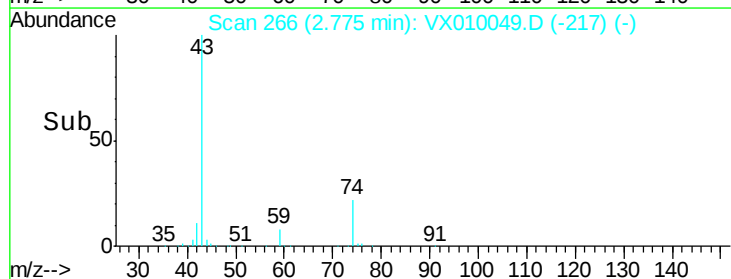
60000

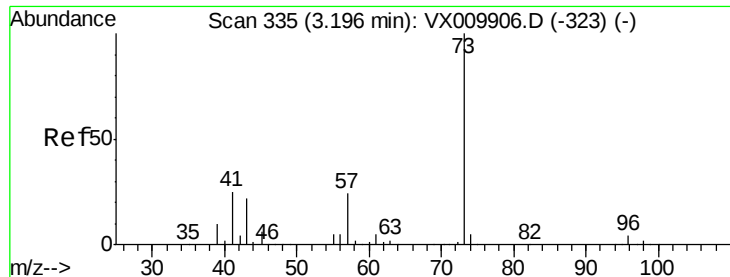
40000

20000

0

Time-->





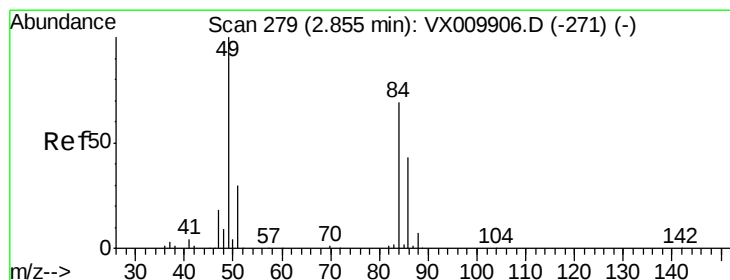
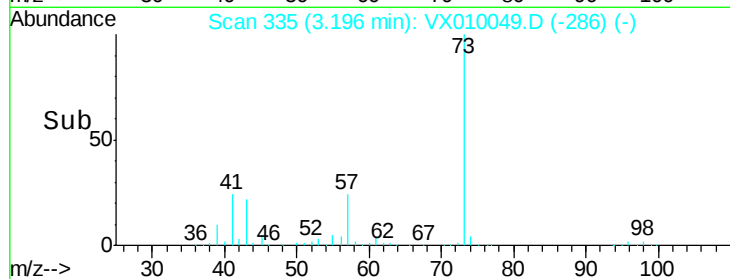
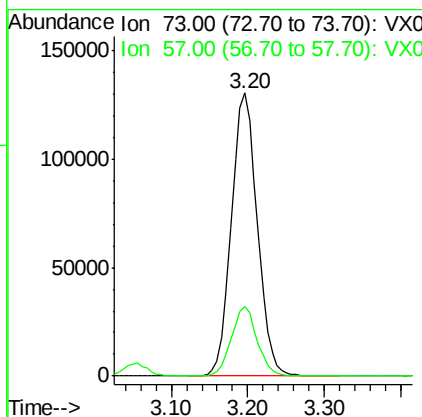
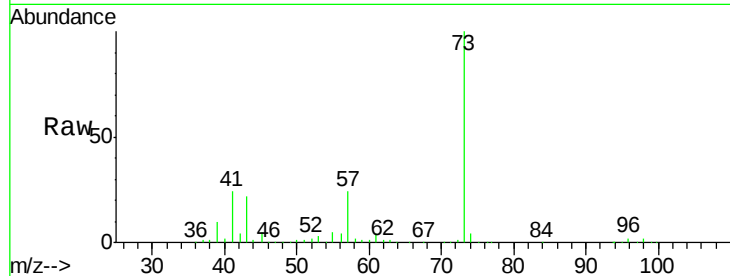
#19
Methvl tert-butvl Ether
Concen: 47.572 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 305932
Ion Ratio Lower Upper
73 100
57 24.4 19.4 29.2

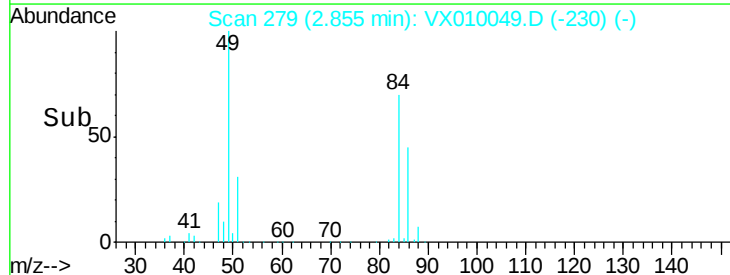
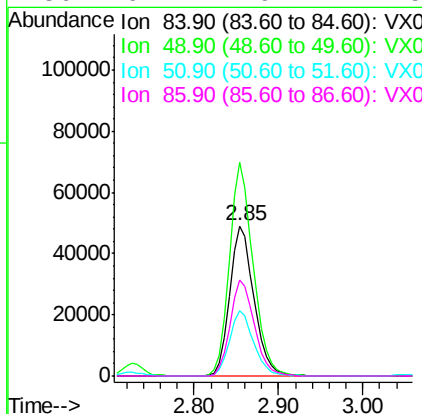
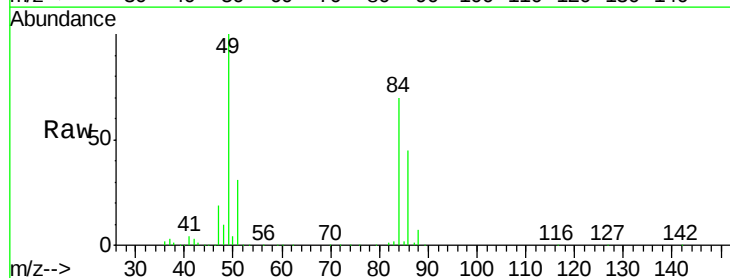
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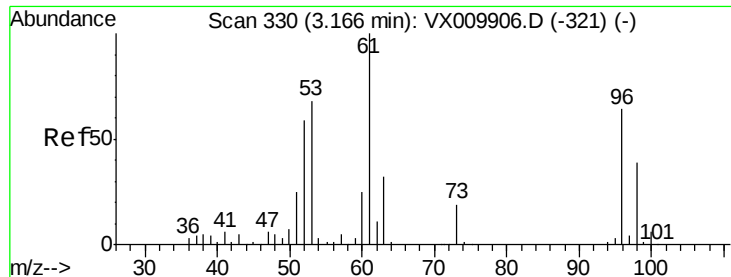
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#20
Methylene Chloride
Concen: 45.308 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion: 84 Resp: 95245
Ion Ratio Lower Upper
84 100
49 142.3 115.8 173.6
51 43.7 34.4 51.6
86 64.4 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 44.675 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 84673

Ion Ratio Lower Upper

96 100

61 153.0 125.7 188.5

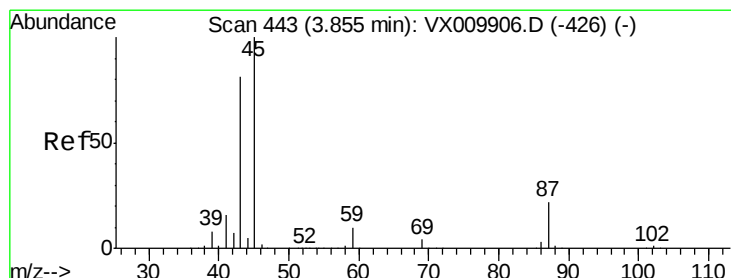
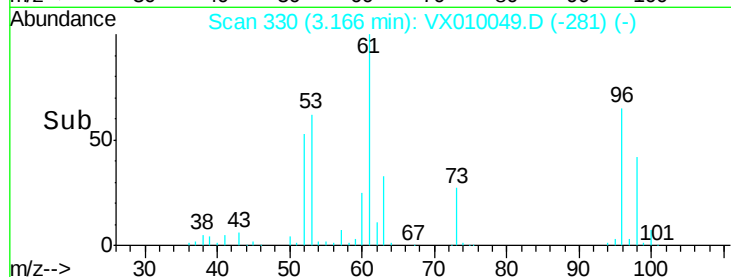
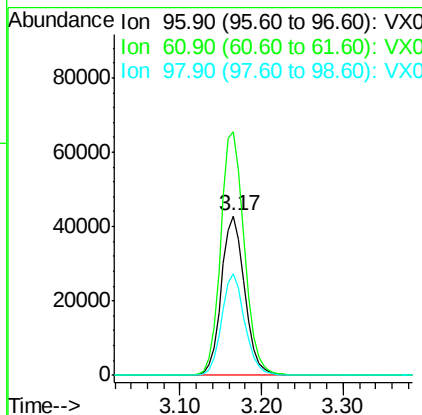
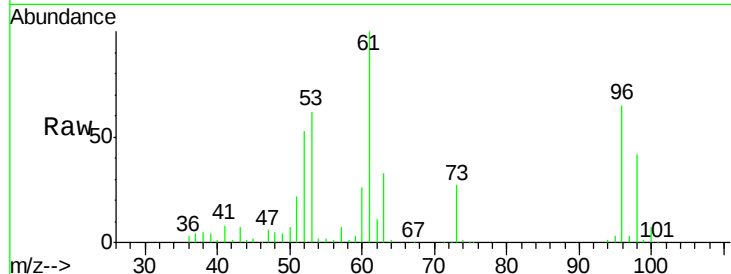
98 64.0 49.0 73.6

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#22

Diisopropyl ether

Concen: 46.790 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Tgt Ion: 45 Resp: 368579

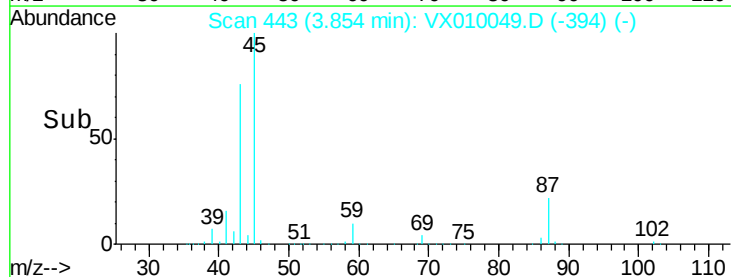
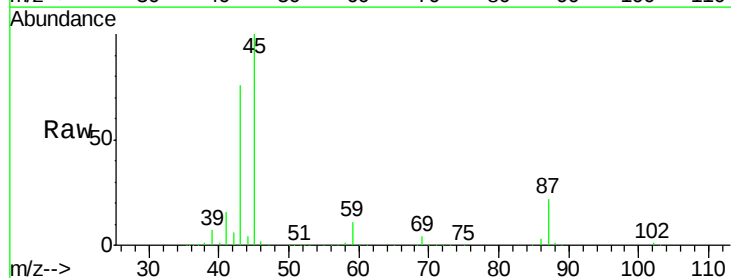
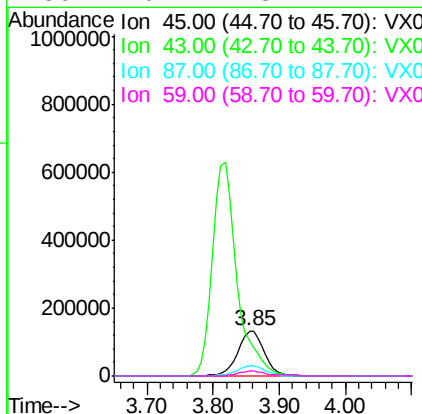
Ion Ratio Lower Upper

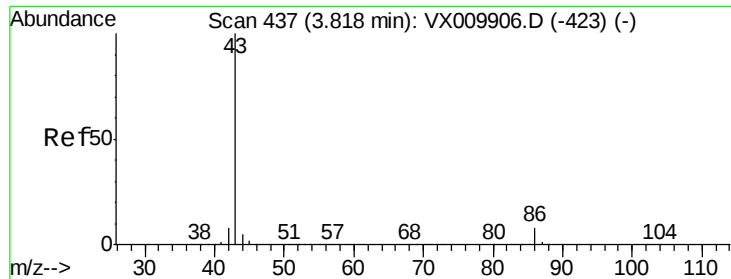
45 100

43 75.2 65.0 97.4

87 22.2 17.3 25.9

59 10.4 8.1 12.1





#23

Vinyl Acetate

Concen: 230.345 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 1630040

Ion Ratio Lower Upper

43 100

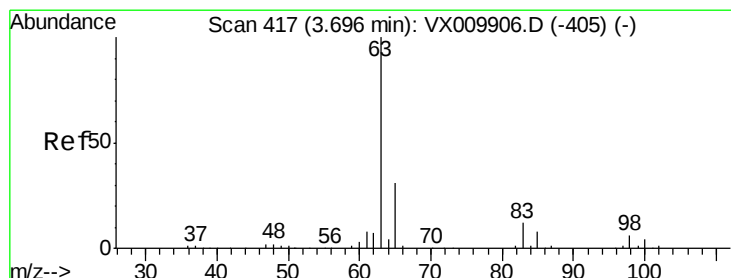
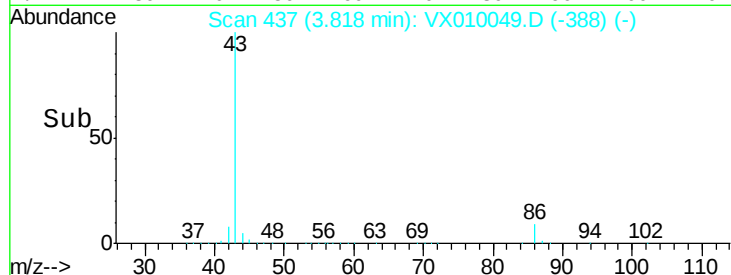
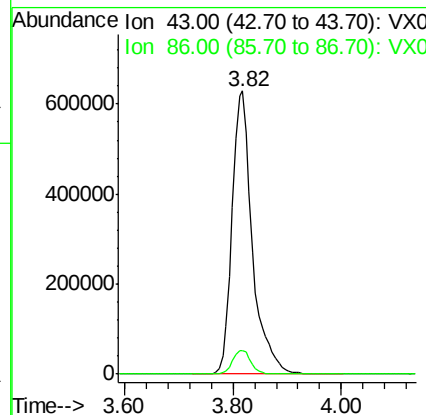
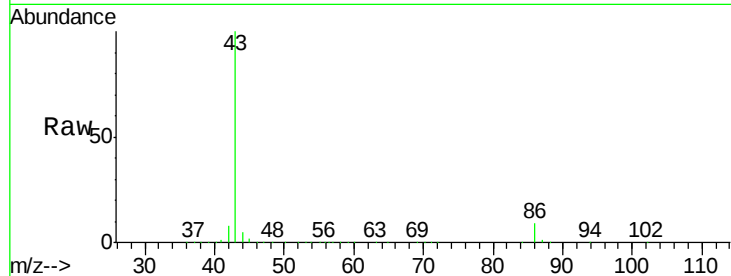
86 8.5 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 46.639 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

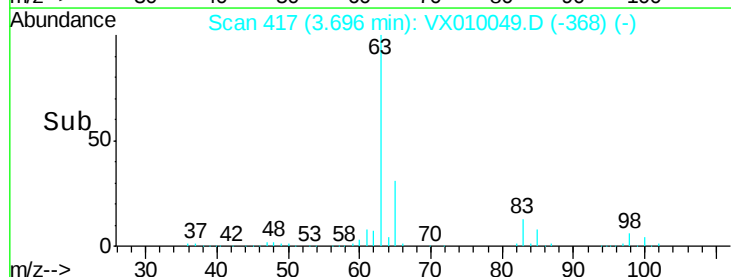
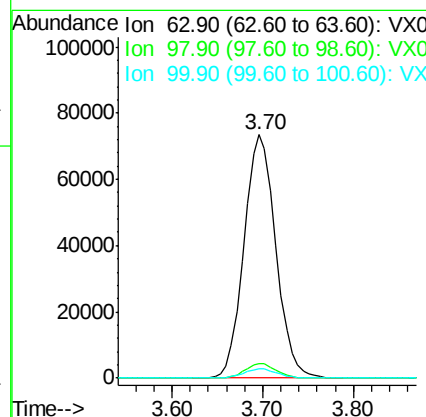
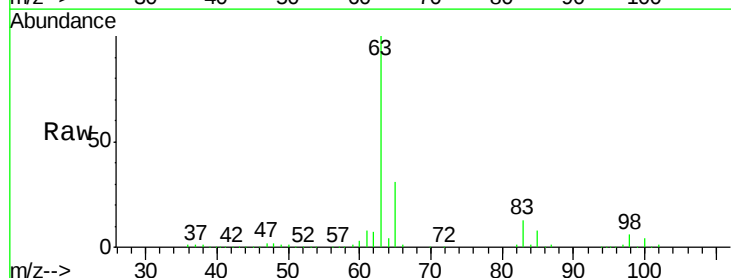
Tgt Ion: 63 Resp: 178040

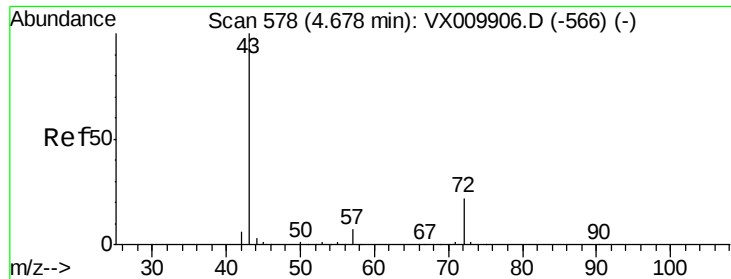
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 4.1 1.8 5.4





#25

2-Butanone

Concen: 222.576 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 476028

Ion Ratio Lower Upper

43 100

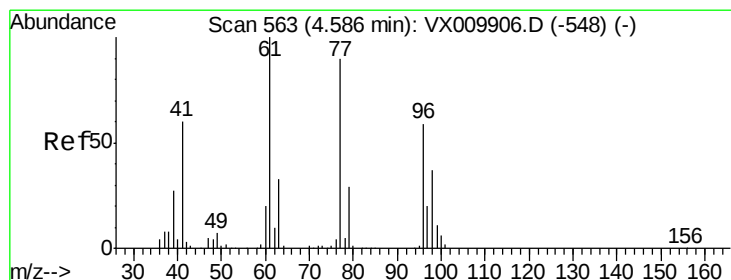
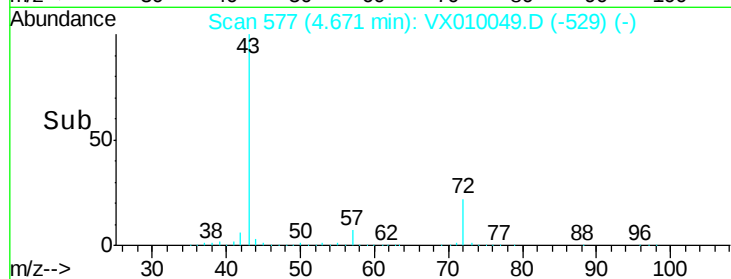
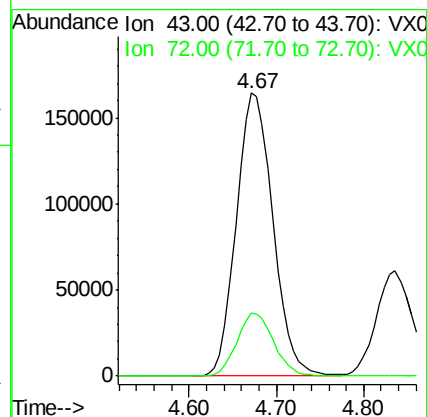
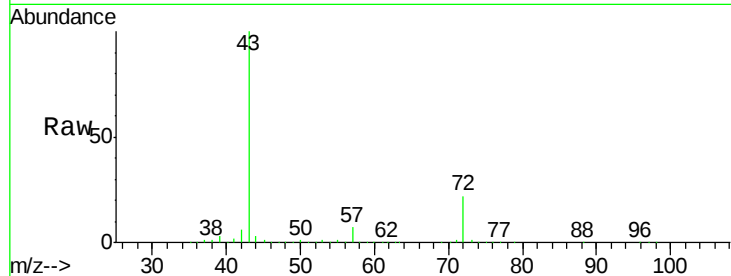
72 22.3 17.5 26.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.108 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX010049.D

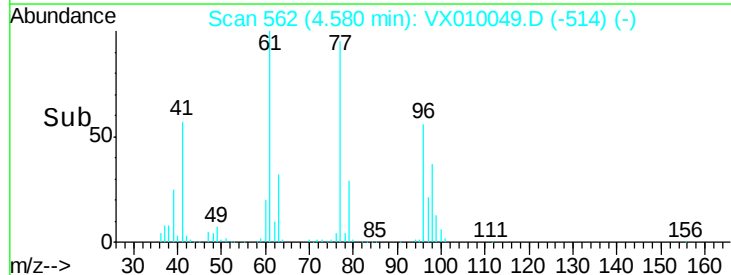
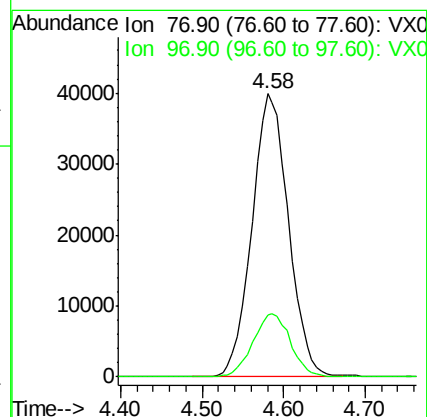
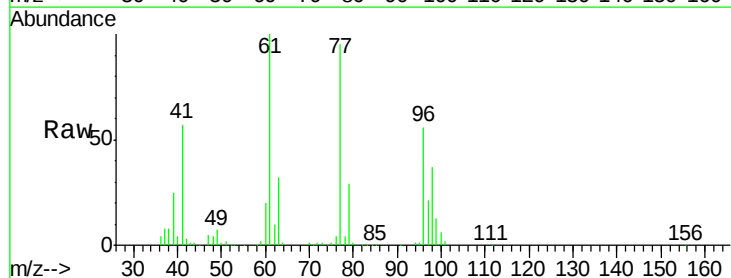
Acq: 03 Jun 2019 20:18

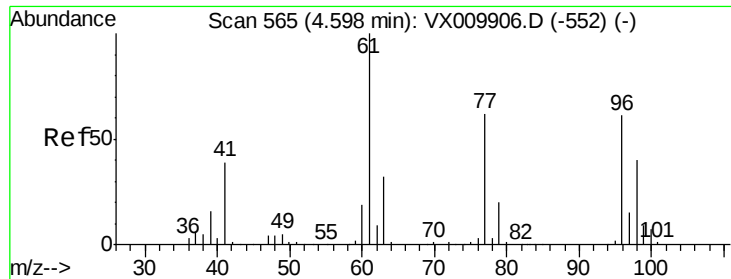
Tgt Ion: 77 Resp: 124486

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2





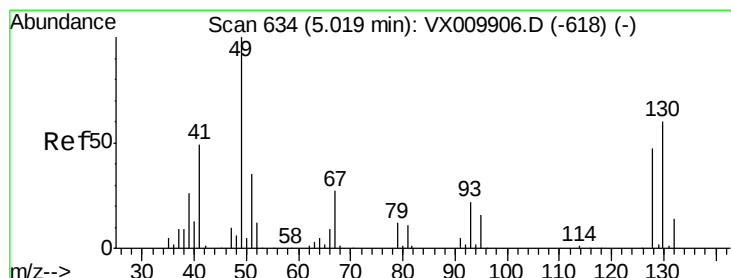
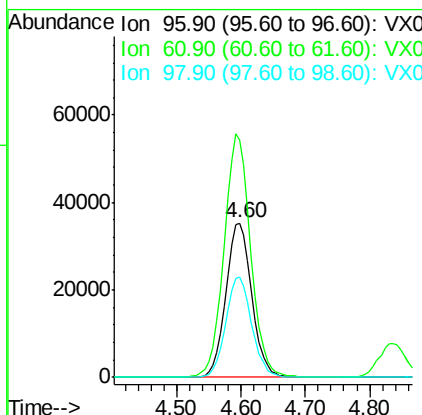
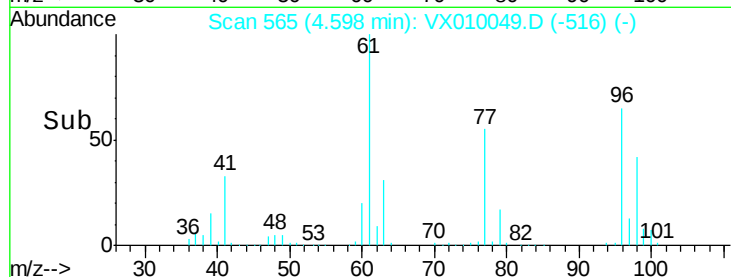
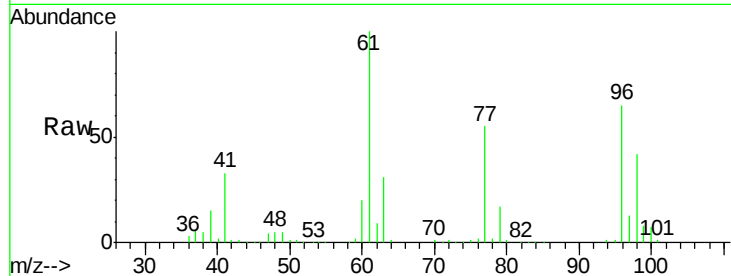
#27
 cis-1,2-Dichloroethene
 Concen: 45.621 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.8	0.0	334.0	
98	65.3	0.0	131.6	

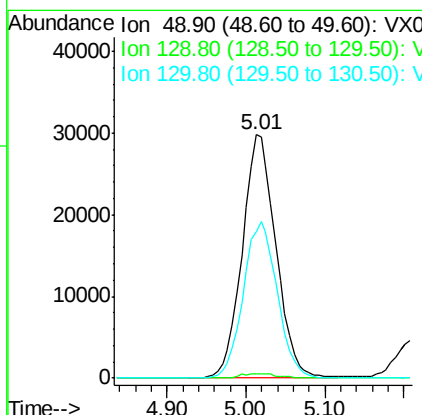
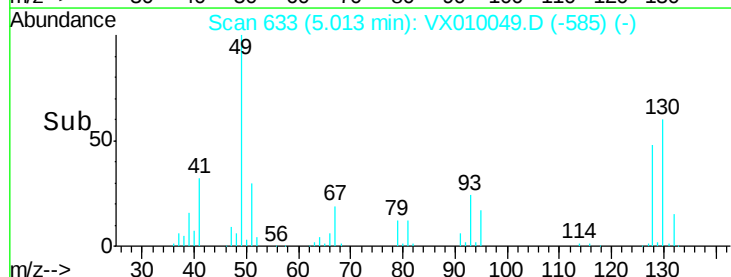
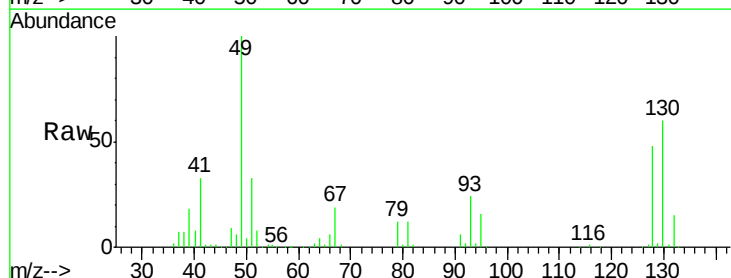
Manual Integrations
 APPROVED

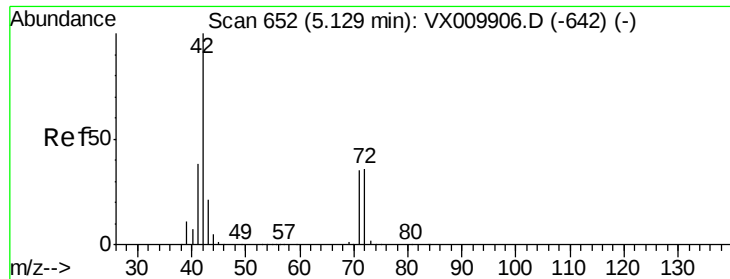
MMDadoda
 6/4/2019 11:29:57 AM



#28
 Bromochloromethane
 Concen: 44.622 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.4	
130	64.8	49.4	74.2	





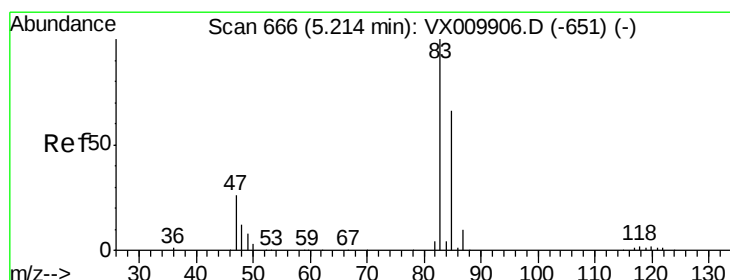
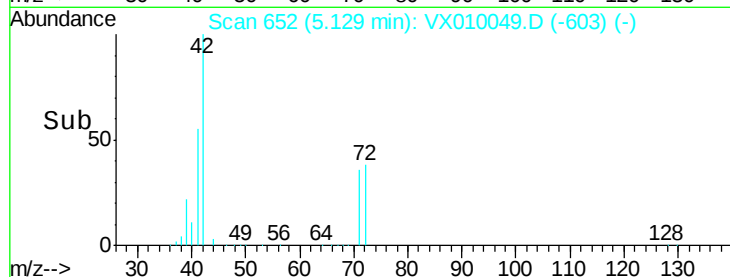
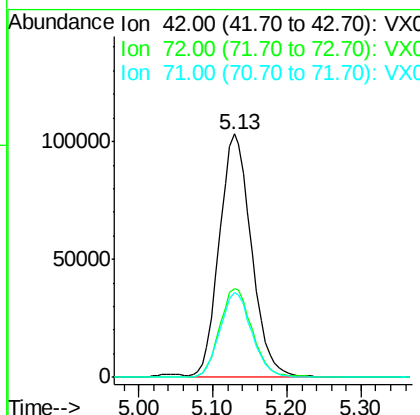
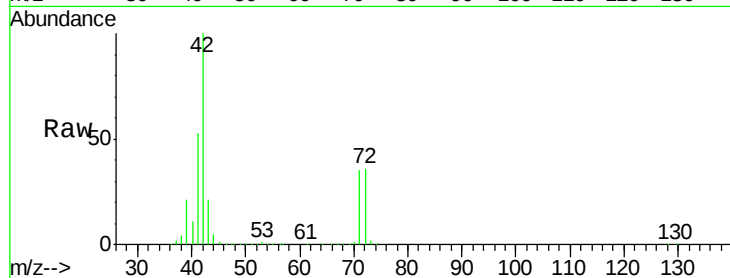
#29
Tetrahydrofuran
Concen: 224.905 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	29.2	43.8
71	35.0	27.6	41.4

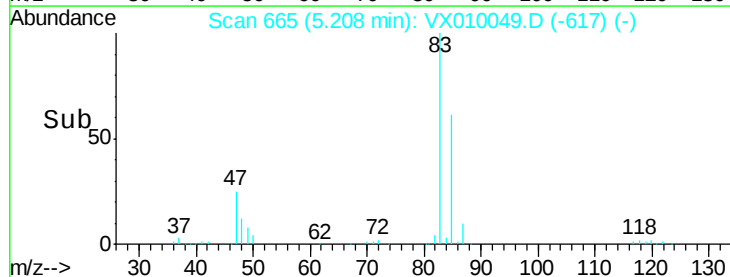
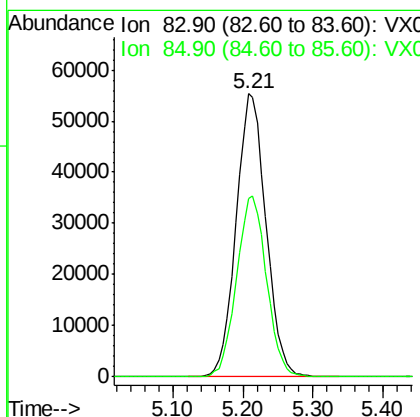
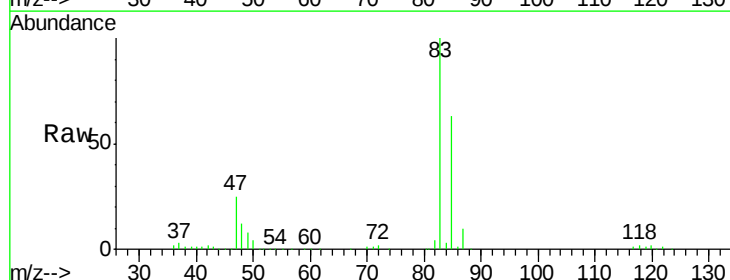
Manual Integrations
APPROVED

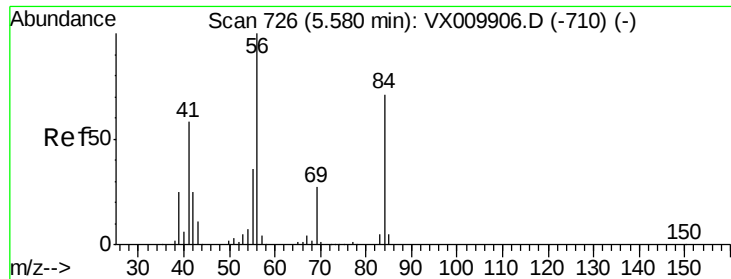
MMDadoda
6/4/2019 11:29:57 AM



#30
Chloroform
Concen: 47.543 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	78.8





#31

Cyclohexane

Concen: 47.411 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

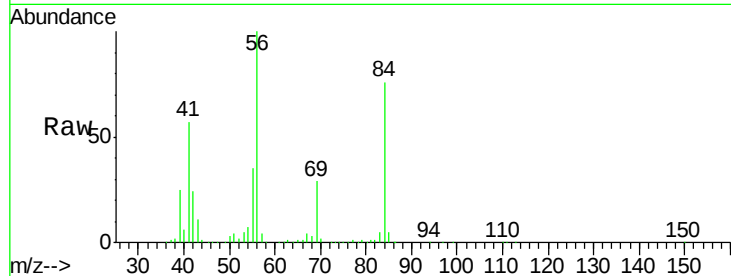
VSTDCCC050EC

Tot Ion: 56 Resp: 171419

Ion	Ratio	Lower	Upper
56	100		
69	28.5	21.6	32.4
84	74.8	56.8	85.2

Manual Integrations
APPROVED

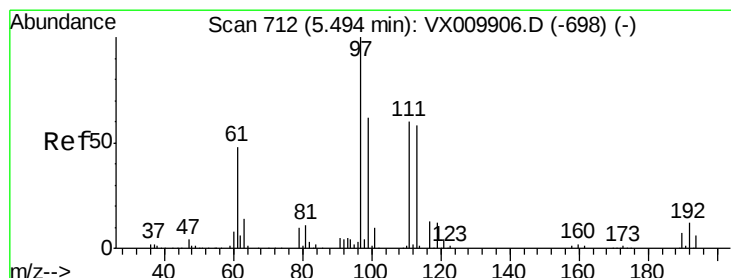
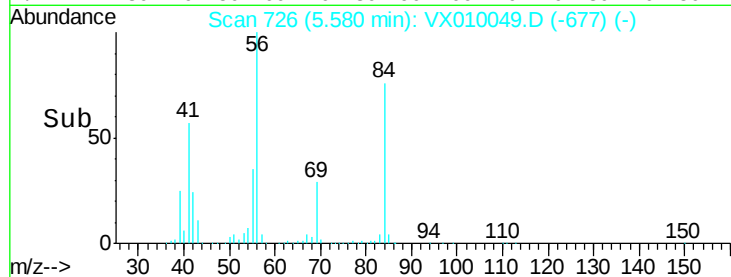
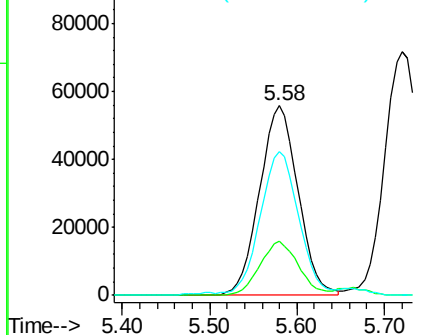
MMDadoda
6/4/2019 11:29:57 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 48.746 ug/l

RT: 5.50 min Scan# 713

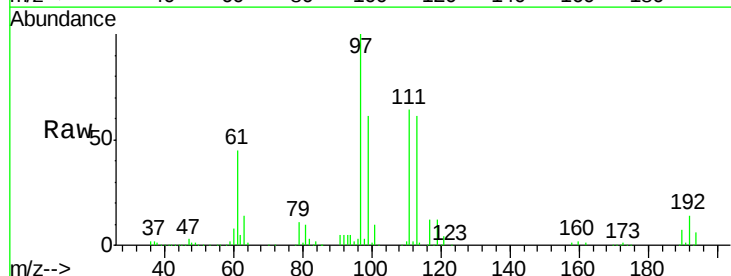
Delta R.T. 0.01 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Tgt Ion: 97 Resp: 136676

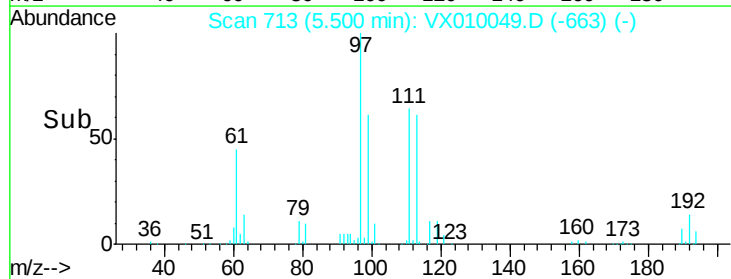
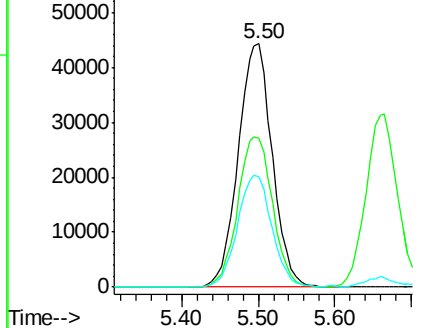
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.4
61	46.8	38.7	58.1

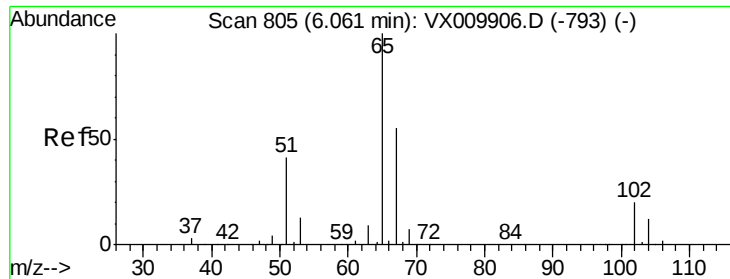


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





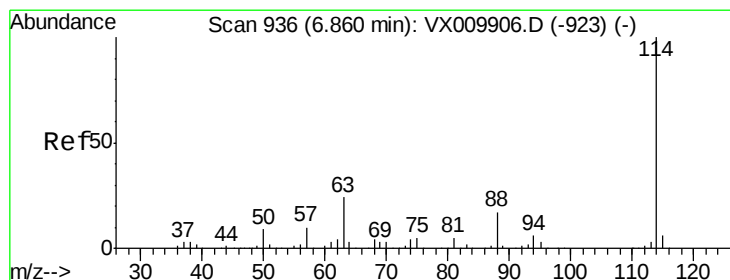
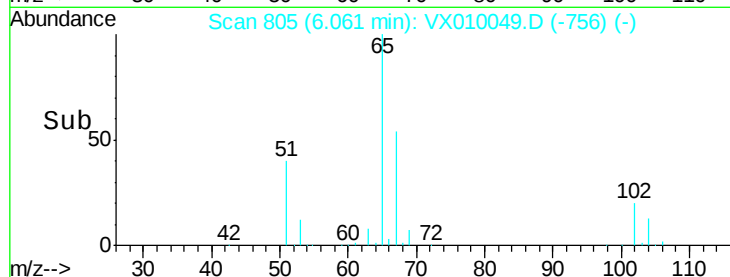
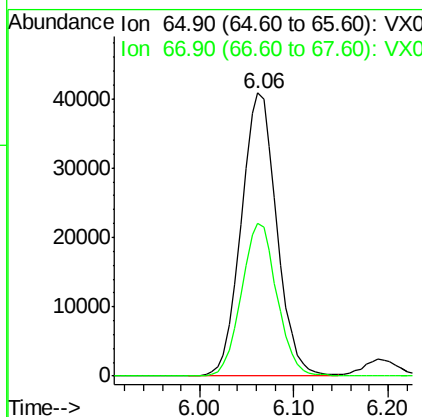
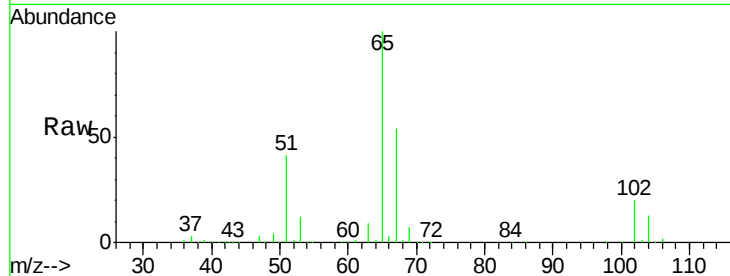
#33
 1,2-Dichloroethane-d4
 Concen: 45.453 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	108.4

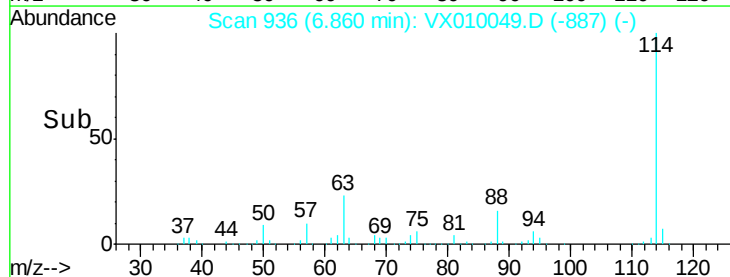
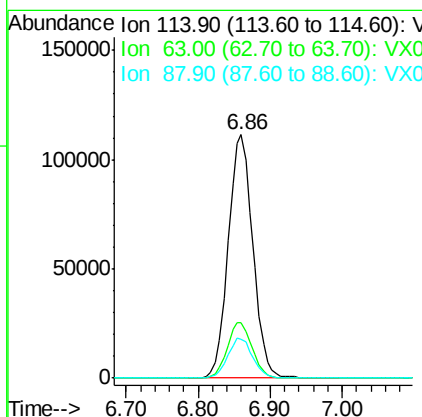
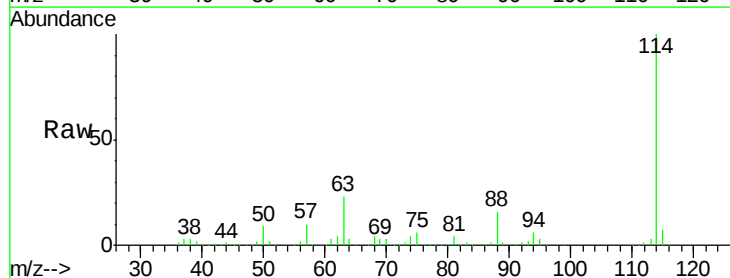
Manual Integrations
 APPROVED

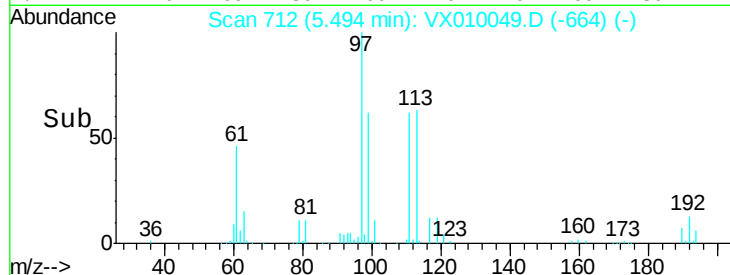
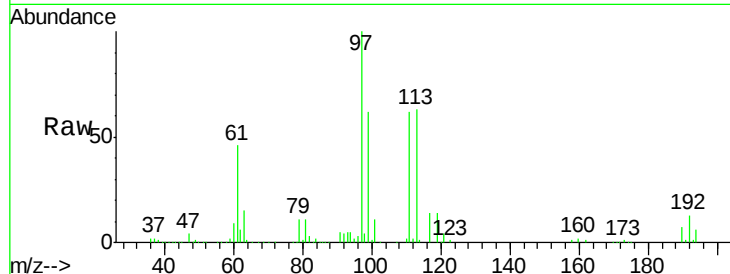
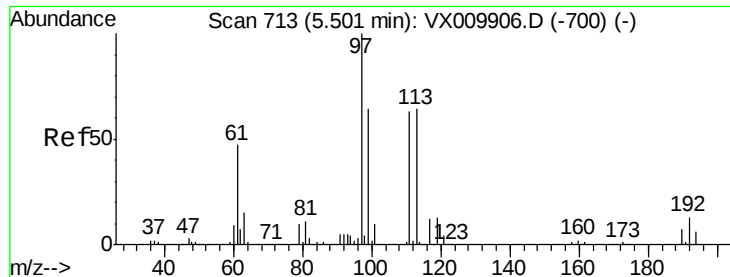
MMDadoda
 6/4/2019 11:29:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	47.4
88	15.9	0.0	33.0





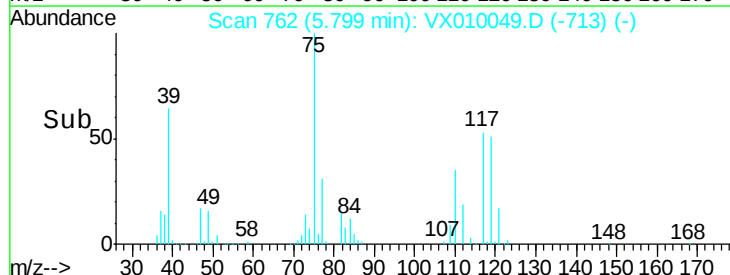
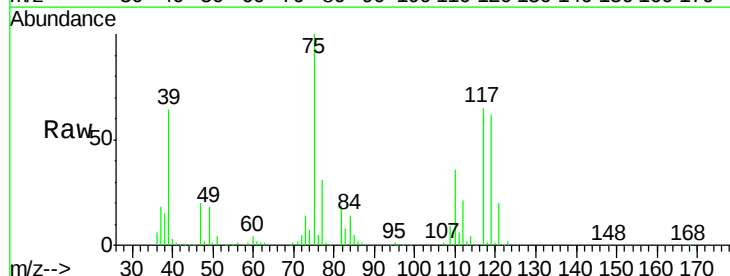
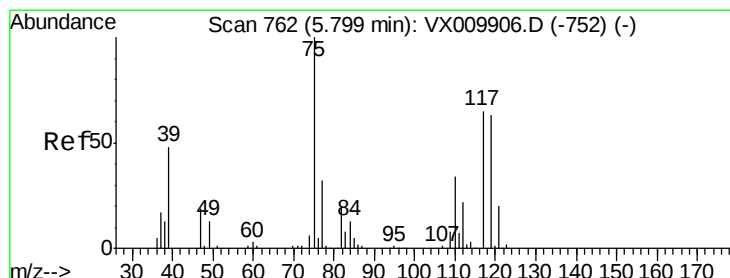
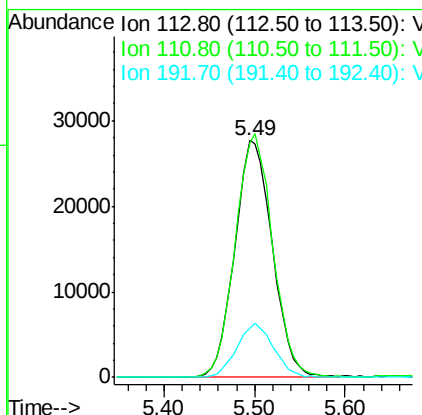
#35
Dibromofluoromethane
Concen: 47.659 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tot Ion	Ratio	Resp	Lower	Upper
113	100	79445		
111	103.0	82.2	123.2	
192	22.3	17.1	25.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

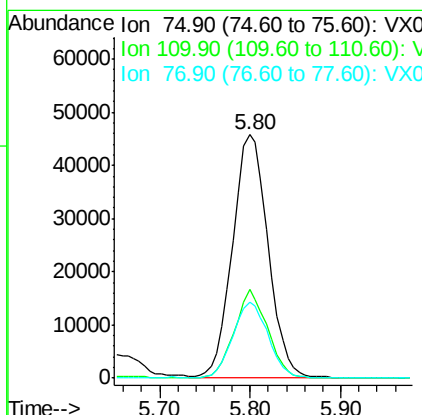
Manual Integrations
APPROVED

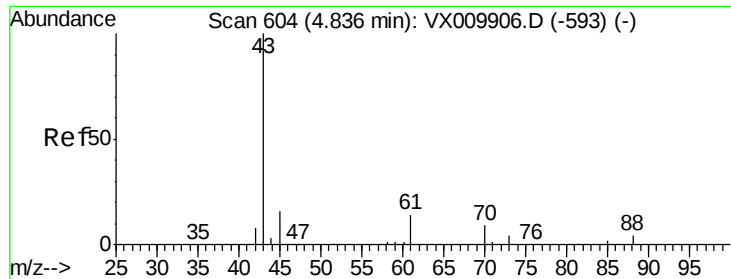
MMDadoda
6/4/2019 11:29:57 AM



#36
1,1-Dichloropropene
Concen: 46.028 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123823		
110	34.0	16.7	50.1	
77	31.0	25.0	37.4	





#37

Ethyl Acetate

Concen: 47.584 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

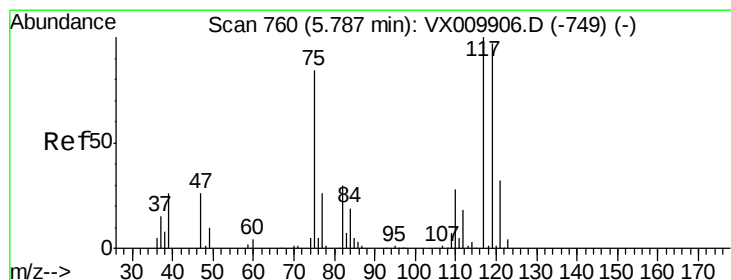
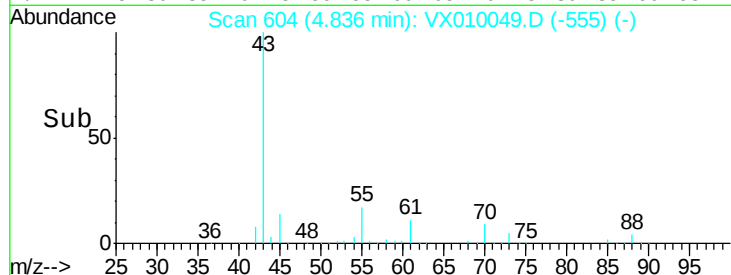
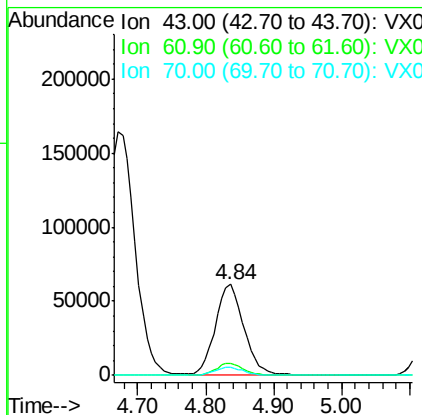
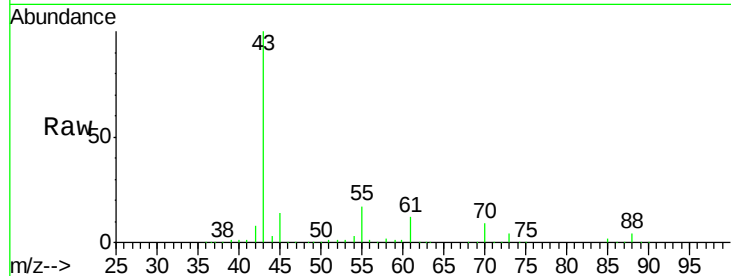
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	178362
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.1	7.4	11.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 48.742 ug/l

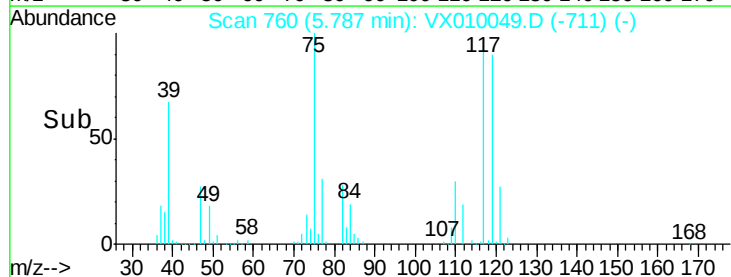
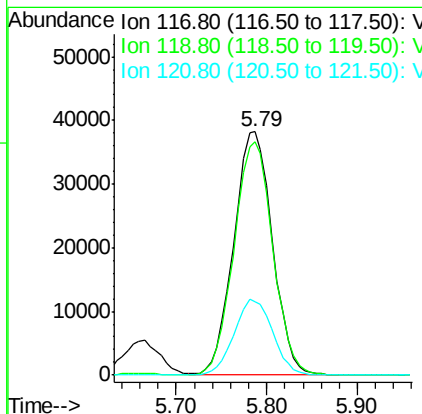
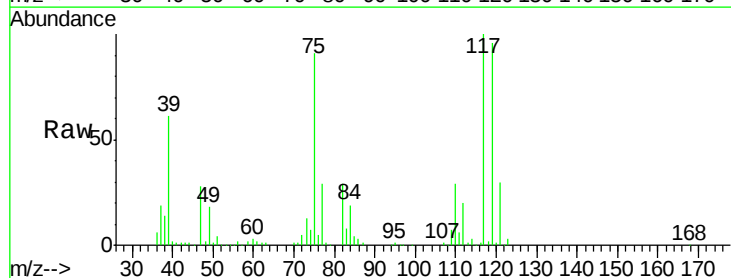
RT: 5.79 min Scan# 760

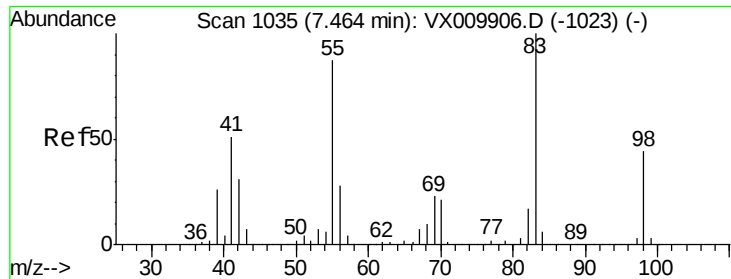
Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Tgt Ion:	117	Resp:	113307
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.3	115.9
121	30.1	25.4	38.0





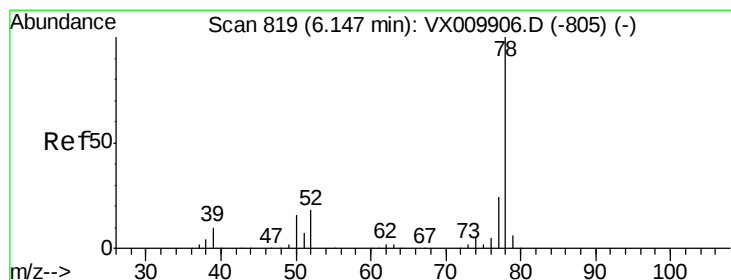
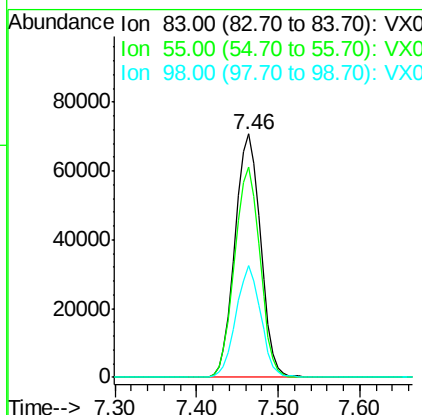
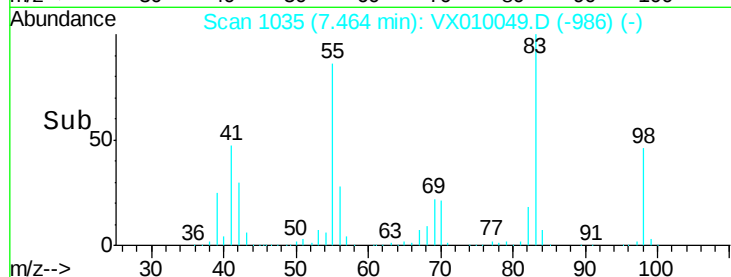
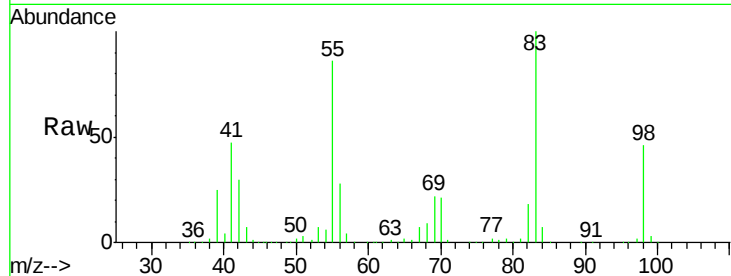
#39
Methvlcvclohexane
Concen: 48.004 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.4	69.9	104.9
98	46.1	35.1	52.7

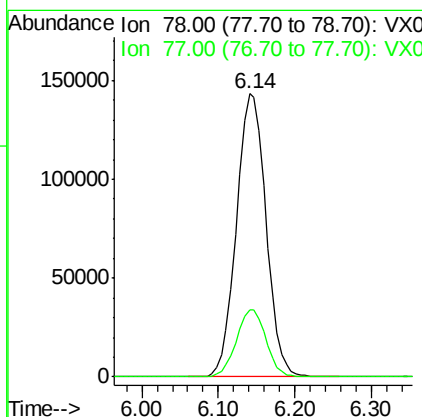
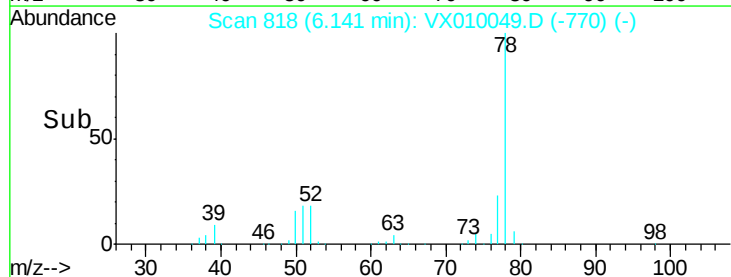
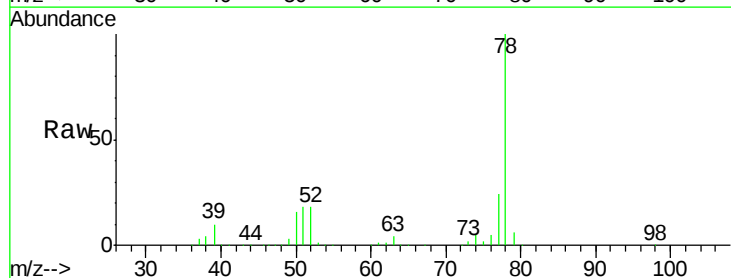
Manual Integrations
APPROVED

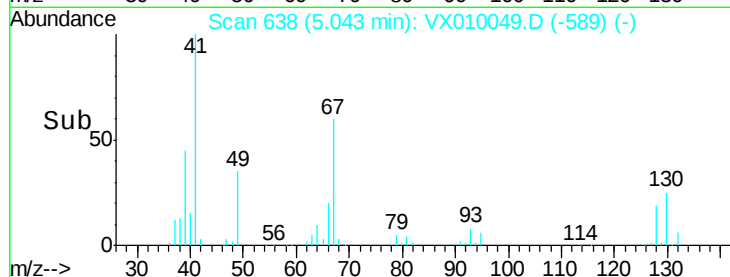
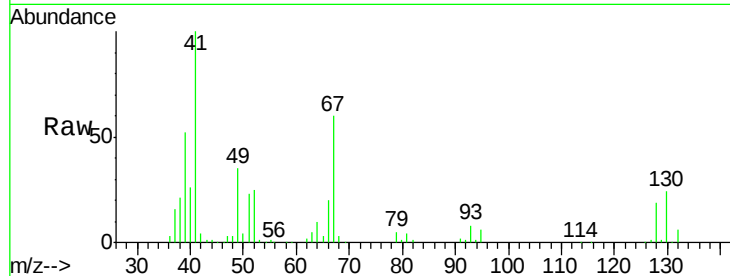
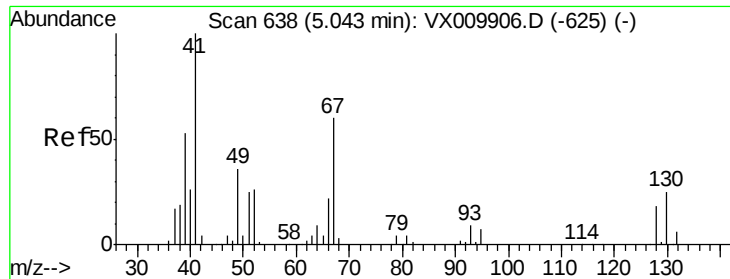
MMDadoda
6/4/2019 11:29:57 AM



#40
Benzene
Concen: 48.117 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





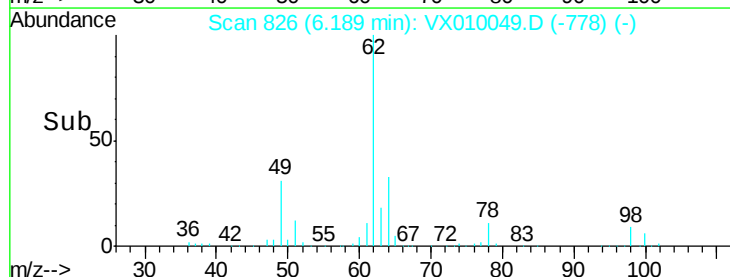
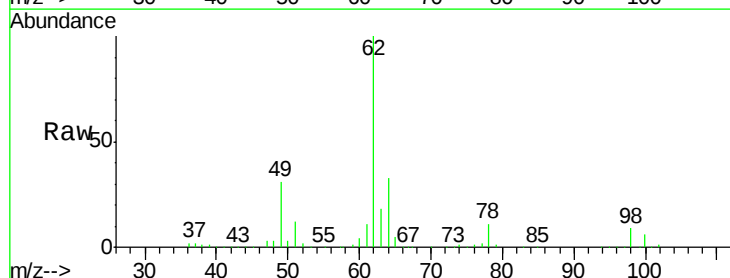
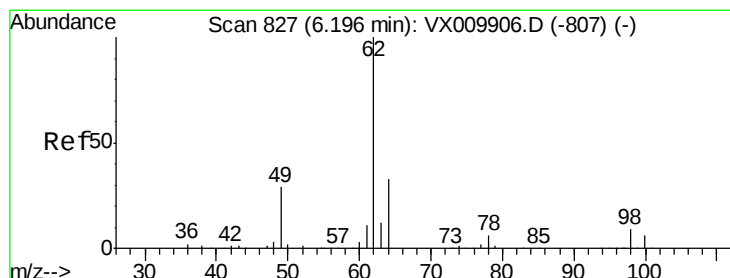
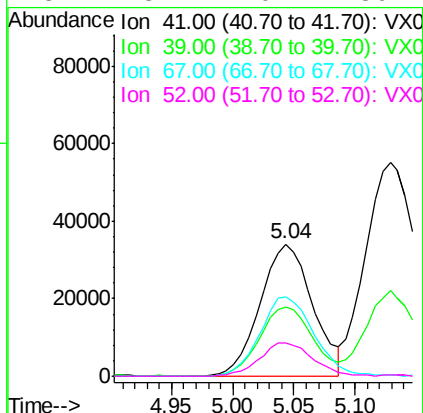
#41
Methacrylonitrile
Concen: 46.324 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.2	63.4	
67	62.4	48.9	73.3	
52	25.7	20.1	30.1	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

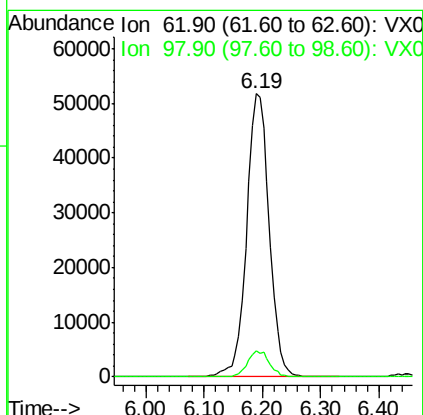
Manual Integrations
APPROVED

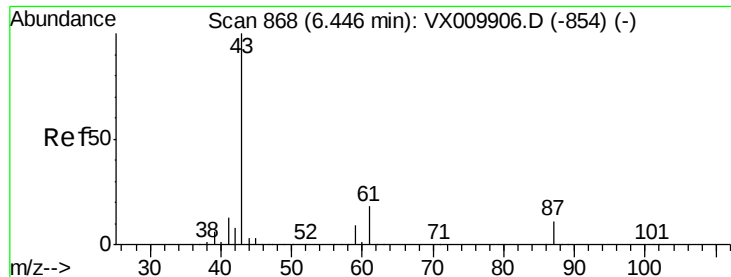
MMDadoda
6/4/2019 11:29:57 AM



#42
1,2-Dichloroethane
Concen: 47.057 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.2	





#43

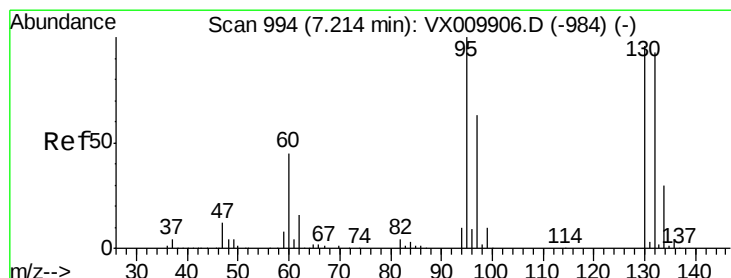
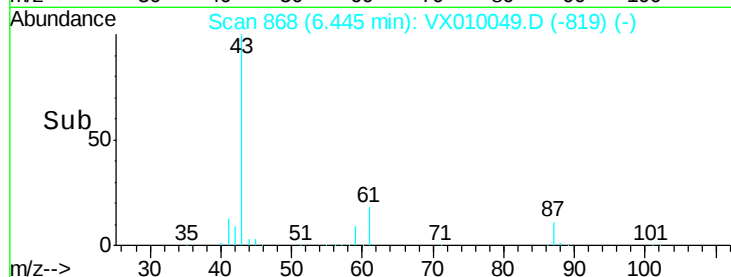
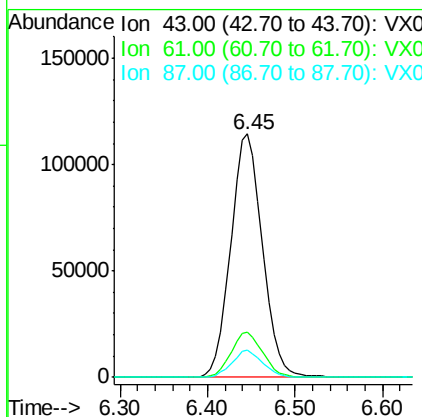
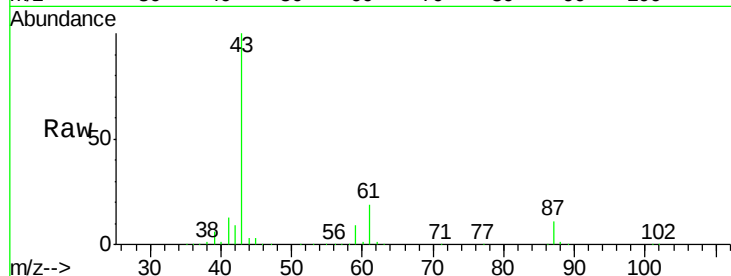
Isopropyl Acetate
 Concen: 47.492 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.6	21.8
87	10.9	8.7	13.1

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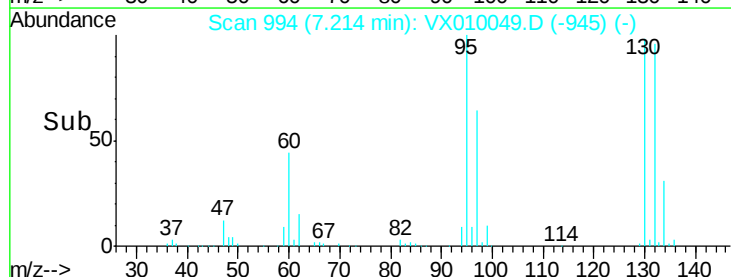
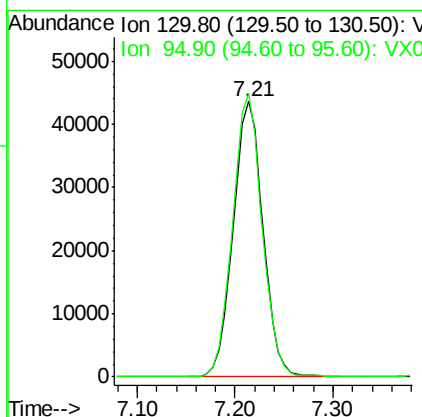
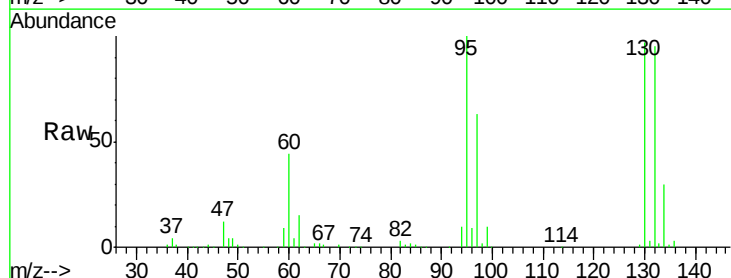
MMDadoda
 6/4/2019 11:29:57 AM

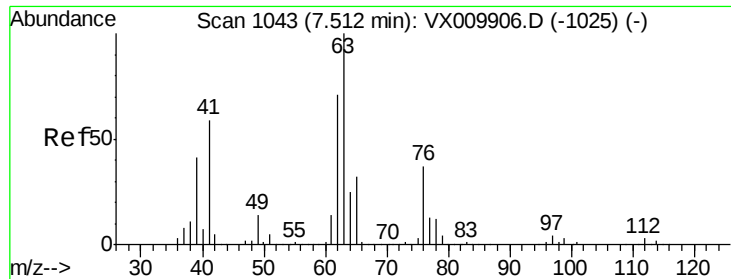


#44

Trichloroethene
 Concen: 47.505 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	207.4





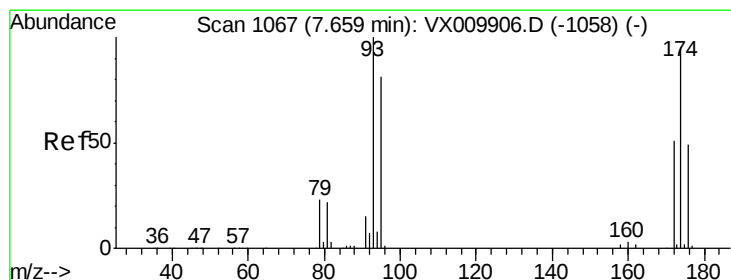
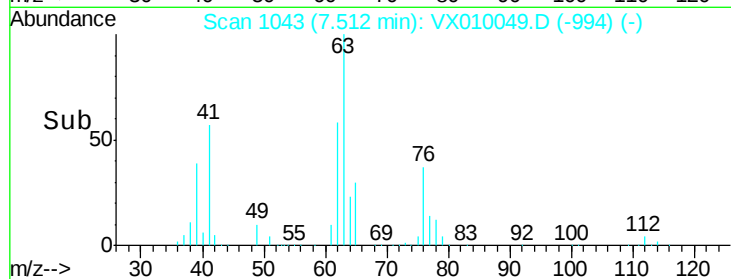
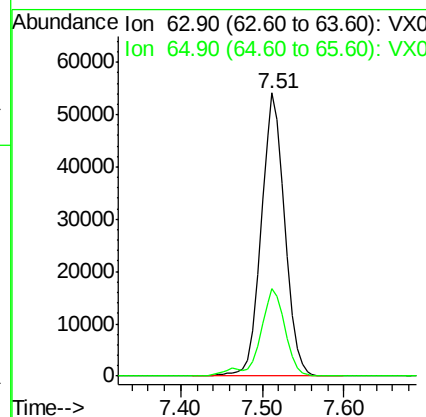
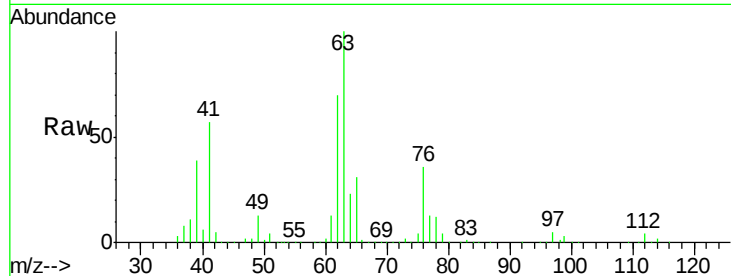
#45
 1,2-Dichloropropane
 Concen: 47.799 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 109805
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.7 38.5

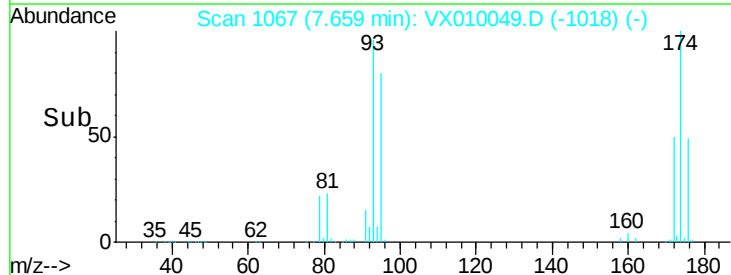
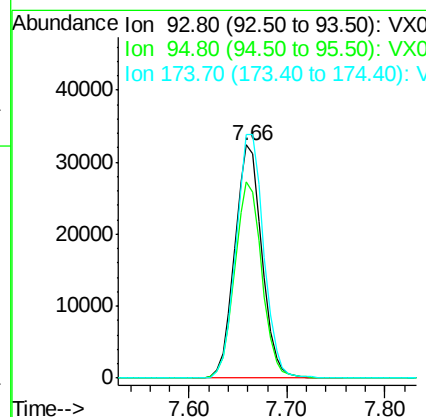
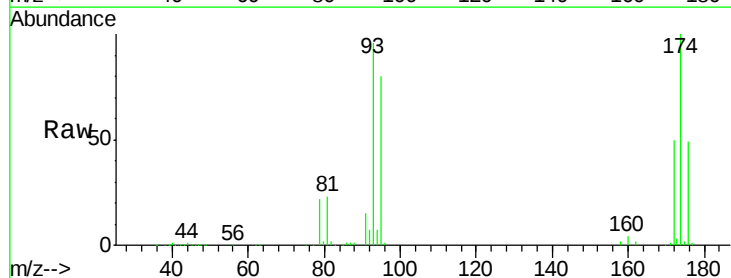
Manual Integrations
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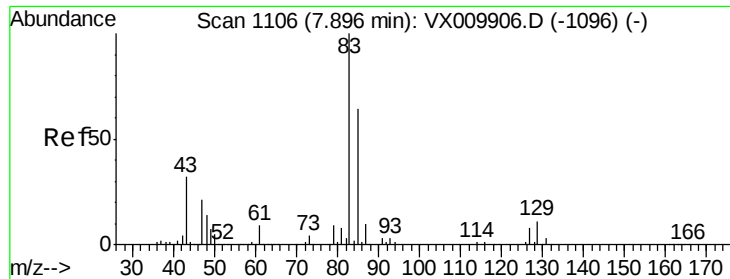
MMDadoda
 6/4/2019 11:29:57 AM



#46
 Dibromomethane
 Concen: 46.092 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Tgt Ion: 93 Resp: 62326
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.8 100.2
 174 106.6 81.9 122.9





#47

Bromodichloromethane

Concen: 48.821 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

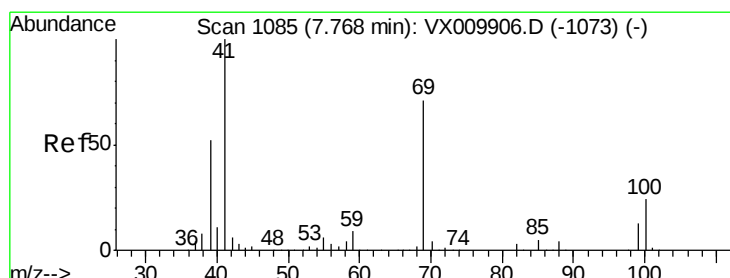
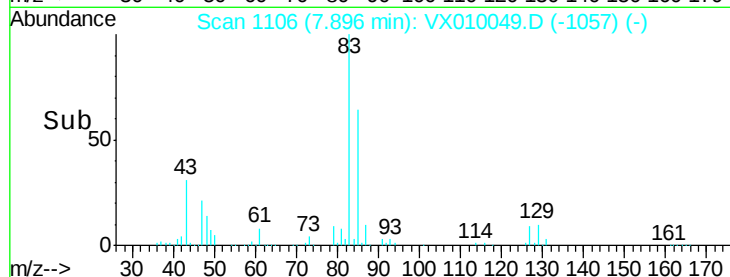
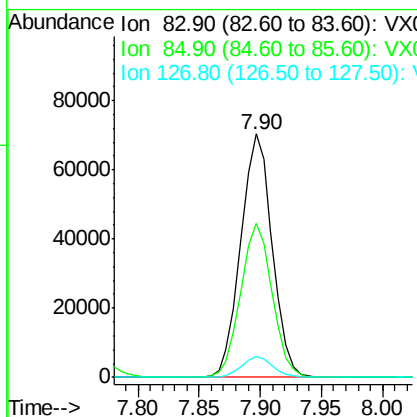
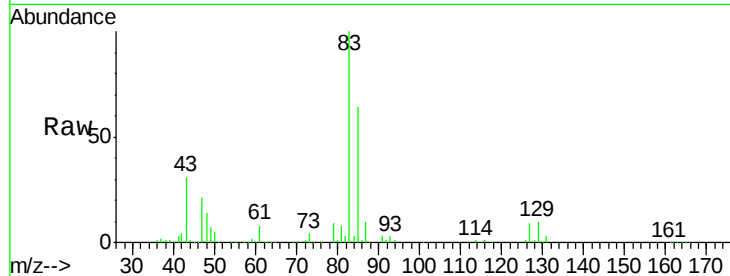
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	125538
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.4	77.2
127	8.8	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.422 ug/l

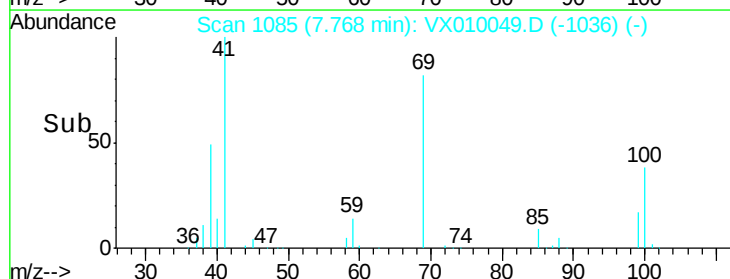
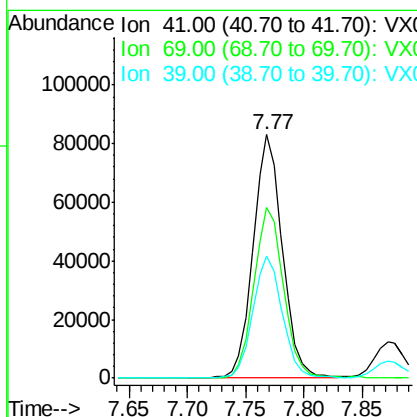
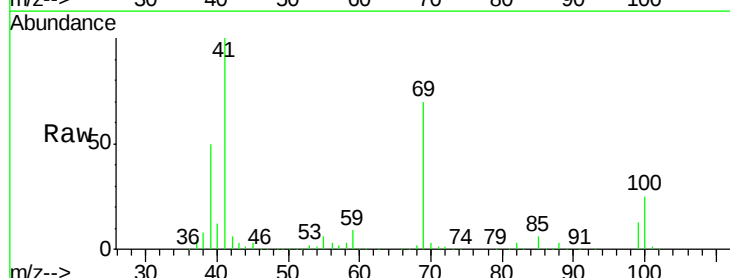
RT: 7.77 min Scan# 1085

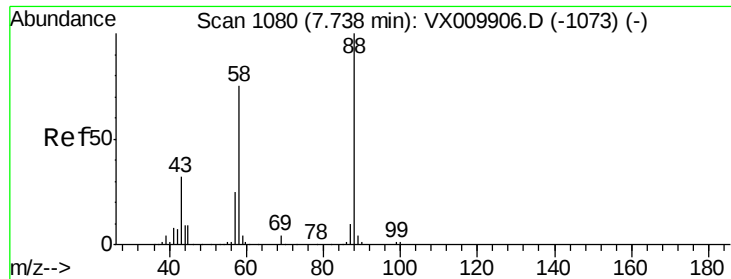
Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Tgt Ion:	41	Resp:	144977
Ion Ratio	Lower	Upper	
41	100		
69	71.8	56.4	84.6
39	51.2	40.6	60.8





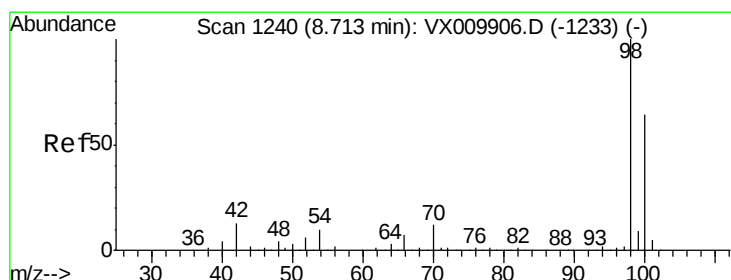
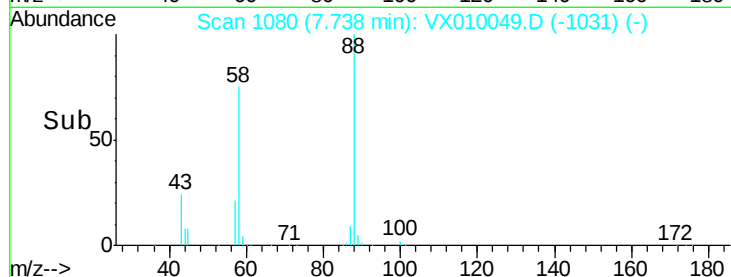
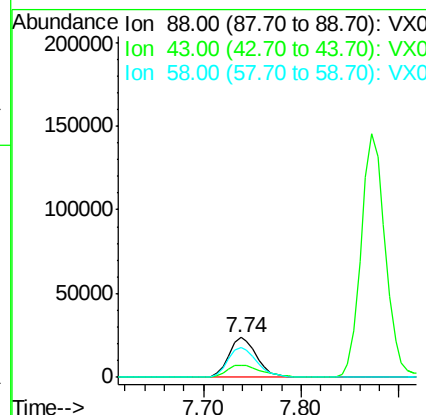
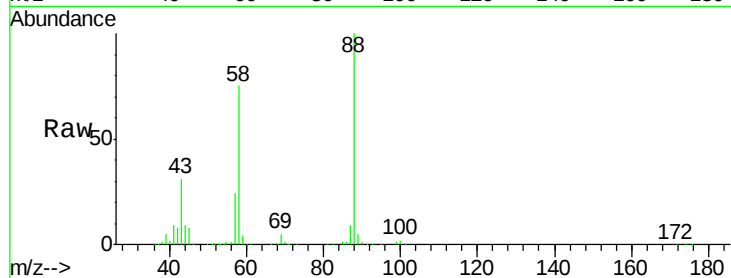
#49
1,4-Dioxane
Concen: 838.393 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	30.2	45.4
58	80.8	64.0	96.0

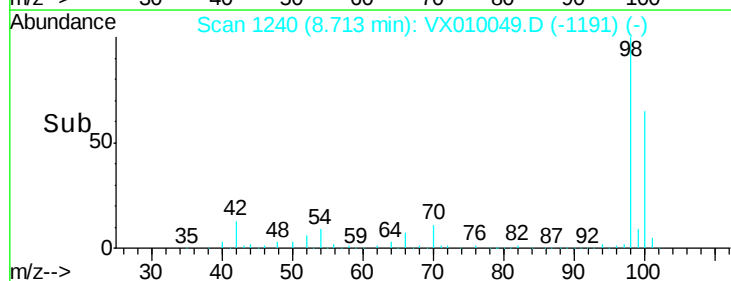
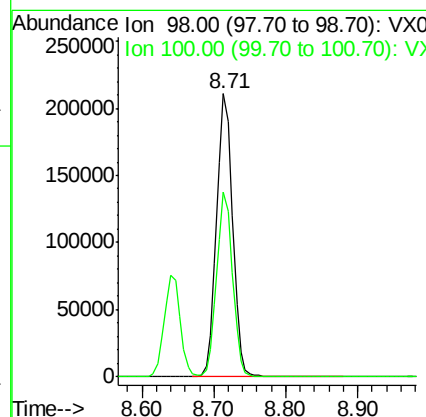
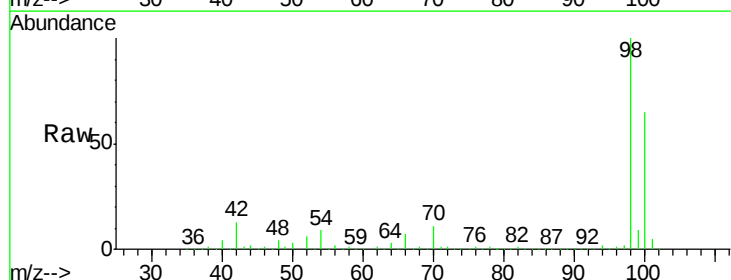
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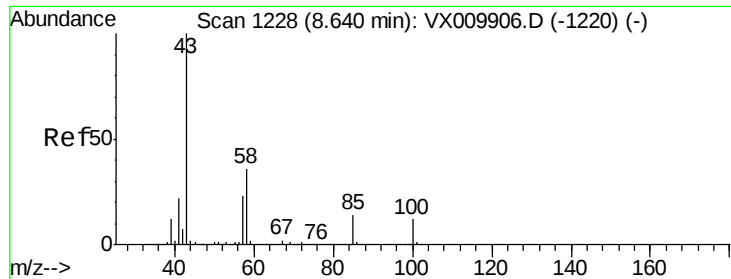
MMDadoda
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#50
Toluene-d8
Concen: 48.165 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 240.402 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 945840

Ion Ratio Lower Upper

43 100

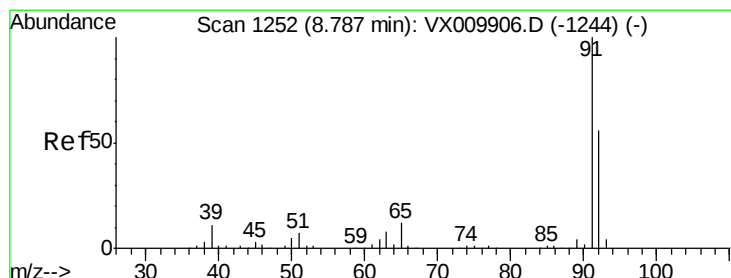
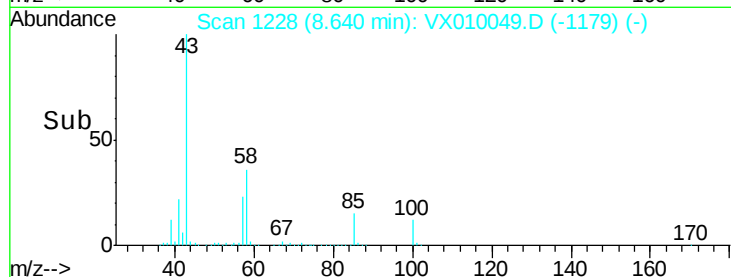
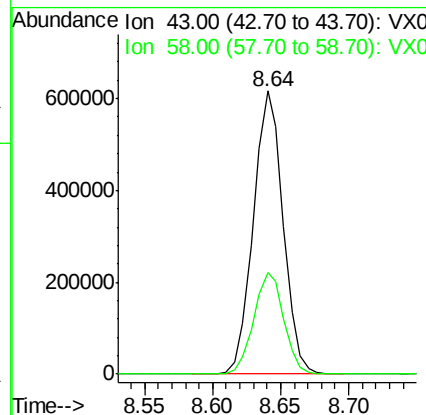
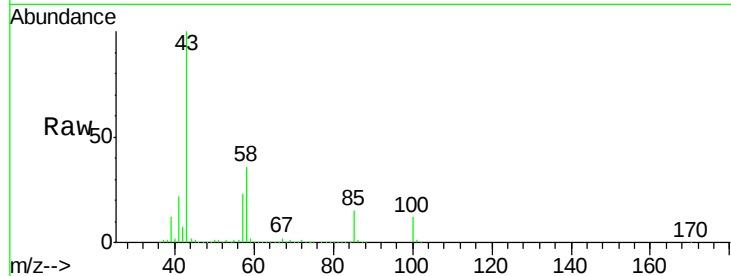
58 36.3 28.8 43.2

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#52

Toluene

Concen: 48.661 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010049.D

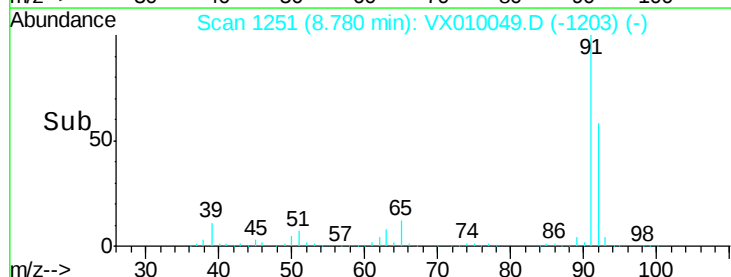
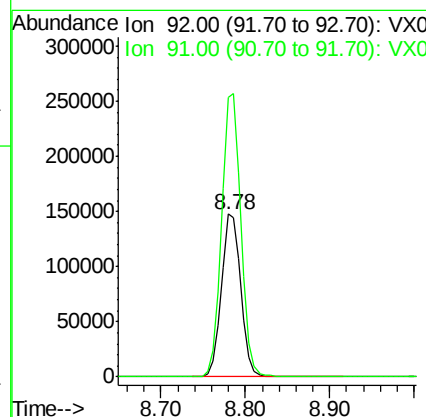
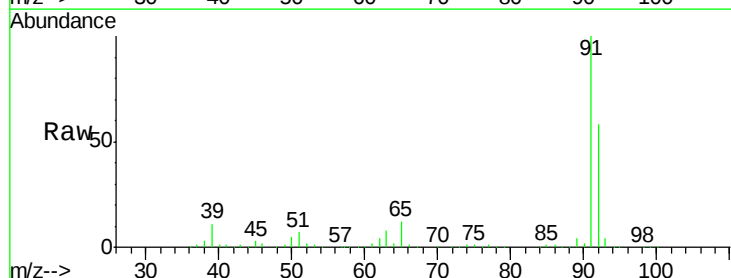
Acq: 03 Jun 2019 20:18

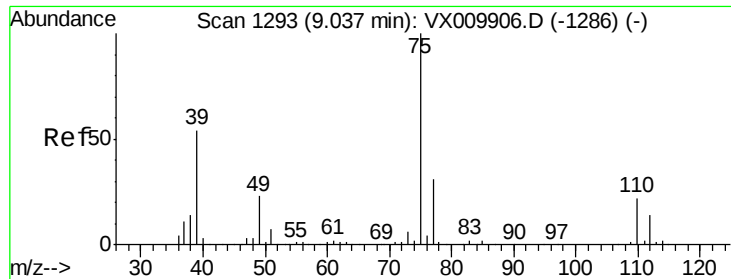
Tgt Ion: 92 Resp: 235778

Ion Ratio Lower Upper

92 100

91 173.3 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 48.233 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Tot Ion: 75 Resp: 148743

Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8

Instrument :

MSVOA_X

ClientSampleId :

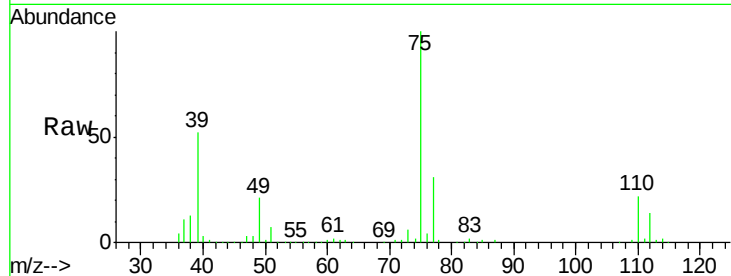
VSTDCCC050EC

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

120000

100000

80000

60000

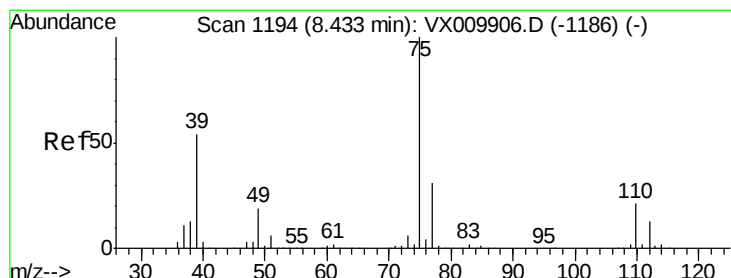
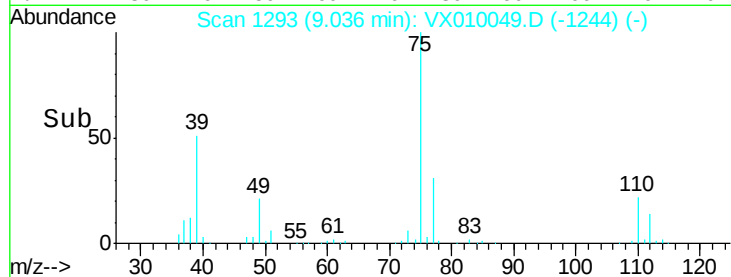
40000

20000

0

9.00 9.10 9.20

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.724 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

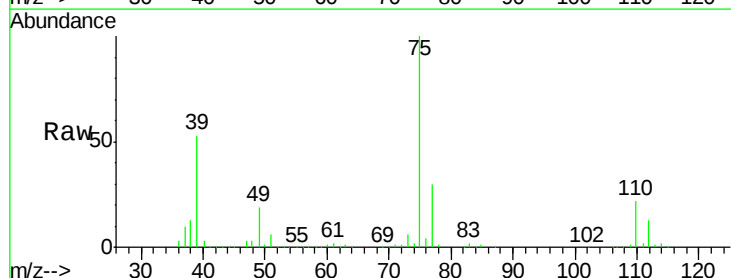
Tgt Ion: 75 Resp: 163714

Ion Ratio Lower Upper

75 100

77 30.5 24.8 37.2

39 53.1 43.4 65.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

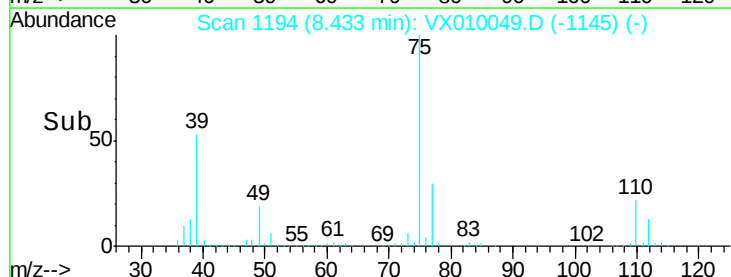
100000

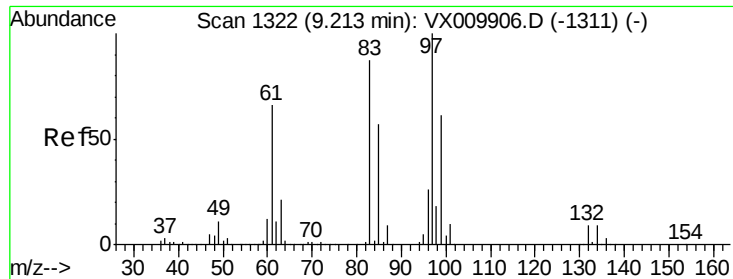
50000

0

8.40 8.50

Time-->





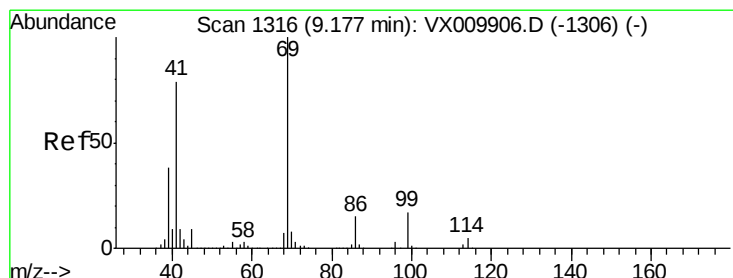
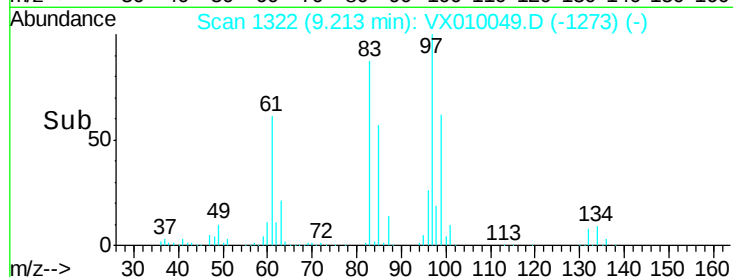
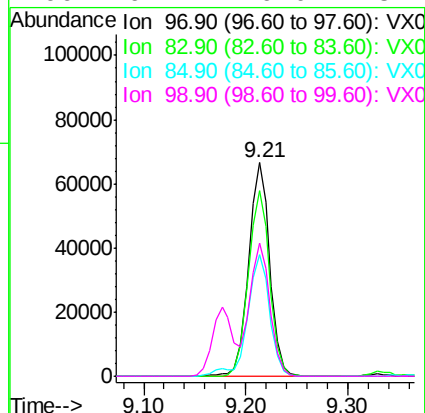
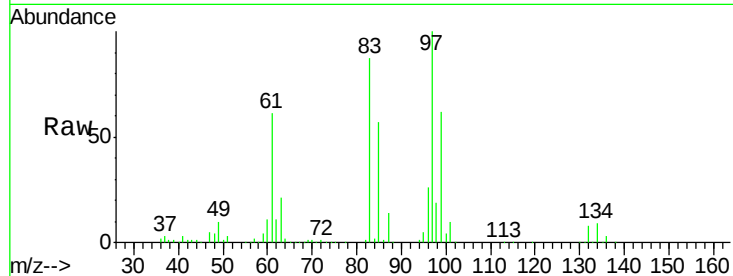
#55
 1,1,2-Trichloroethane
 Concen: 48.894 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	95351
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.8	104.8
85	57.0	45.3	67.9
99	62.4	49.0	73.4

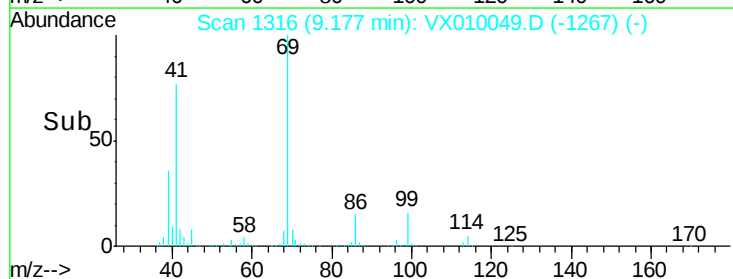
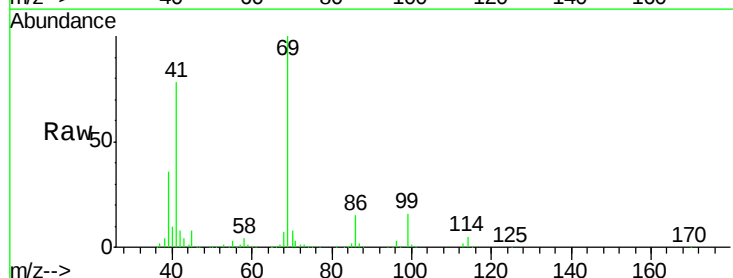
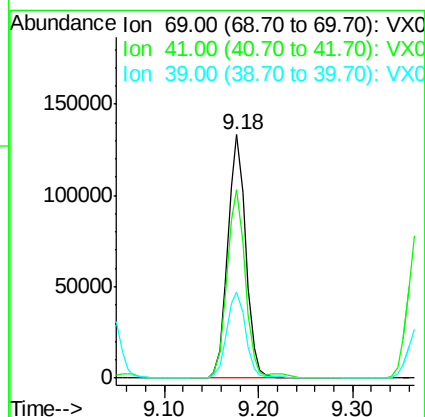
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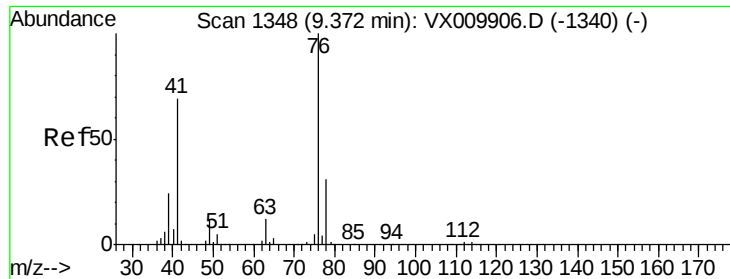
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#56
 Ethyl methacrylate
 Concen: 51.046 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Tgt Ion:	69	Resp:	177225
Ion	Ratio	Lower	Upper
69	100		
41	77.4	62.7	94.1
39	37.3	29.5	44.3





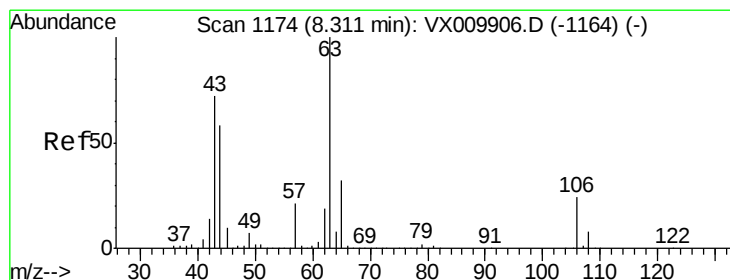
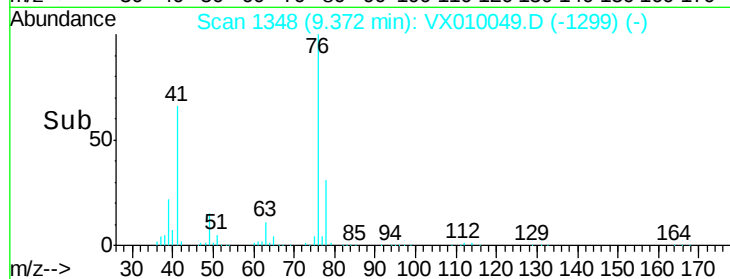
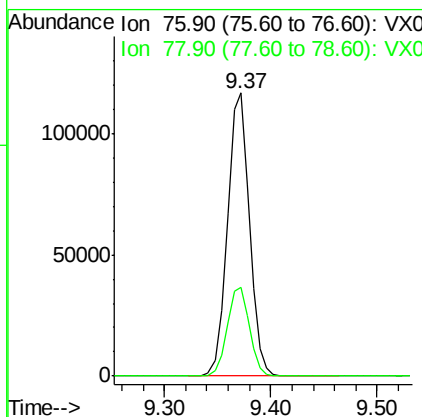
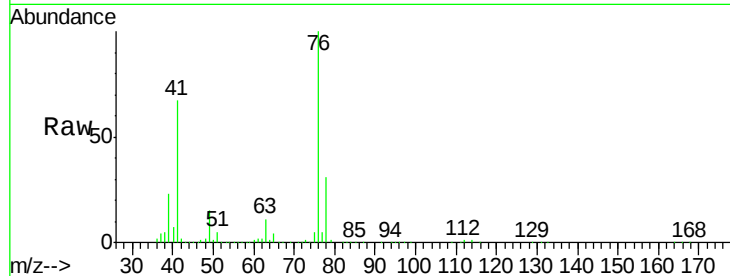
#57
 1,3-Dichloropropane
 Concen: 48.102 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 168465
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.4 38.0

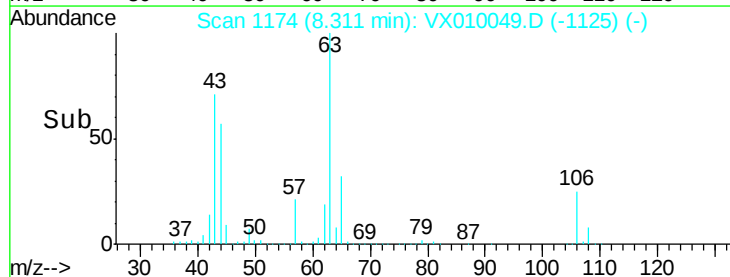
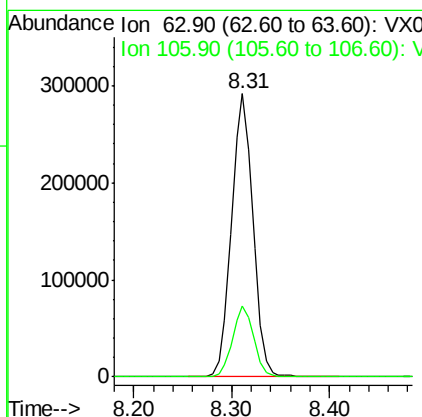
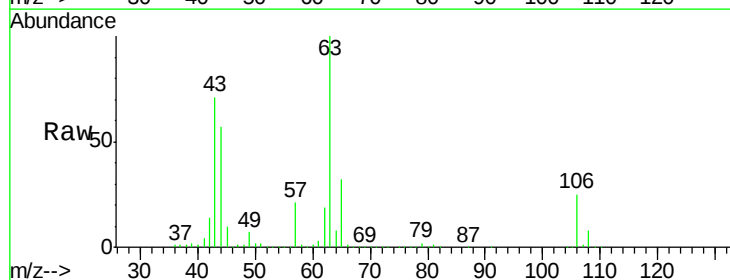
Manual Integrations
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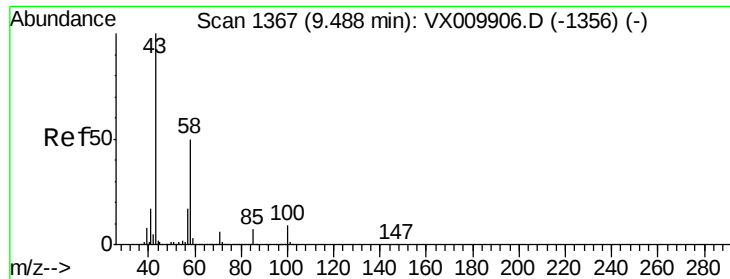
MMDadoda
 6/4/2019 11:29:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.571 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Tgt Ion: 63 Resp: 443438
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.4 29.2





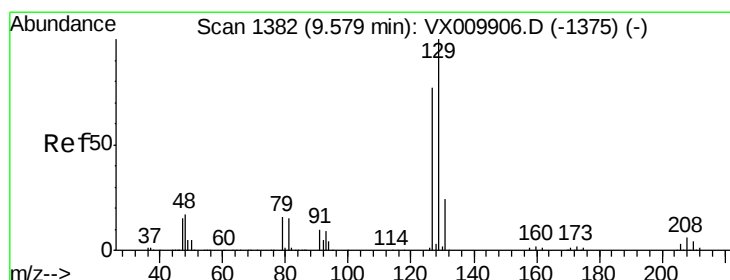
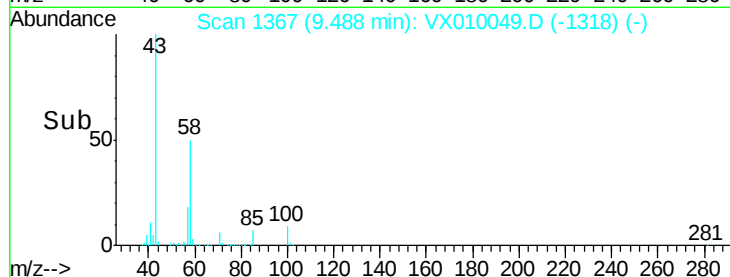
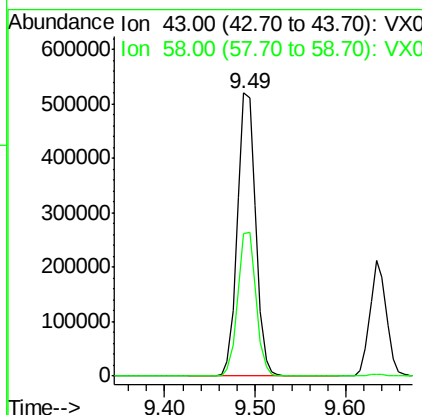
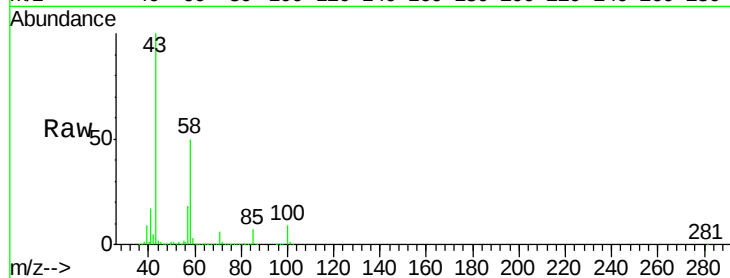
#59
2-Hexanone
Concen: 240.237 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 727707
Ion Ratio Lower Upper
43 100
58 50.9 25.1 75.3

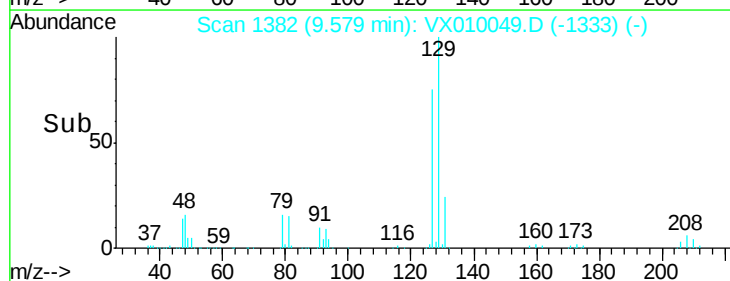
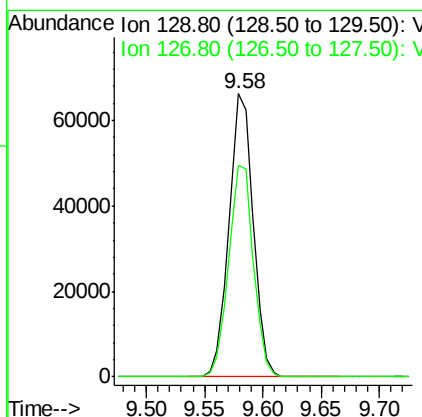
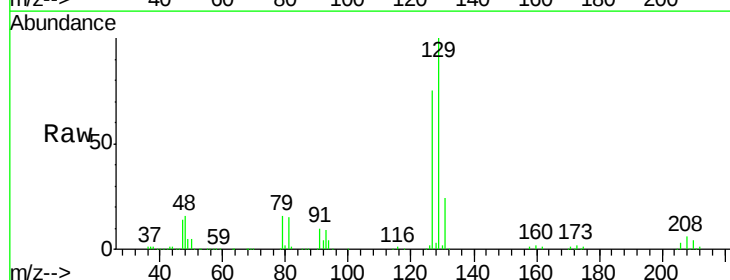
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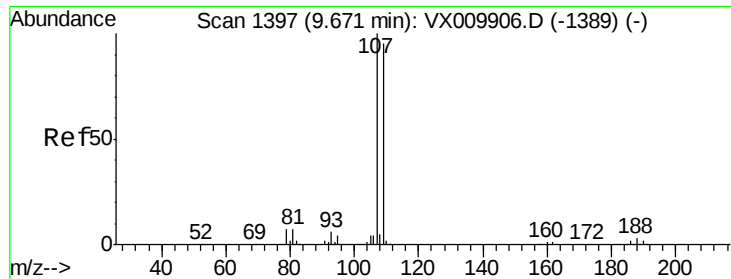
MMDadoda
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#60
Dibromochloromethane
Concen: 50.109 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion:129 Resp: 96128
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.132 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 98436

Ion Ratio Lower Upper

107 100

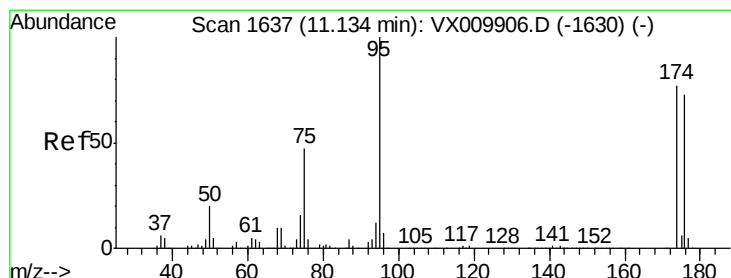
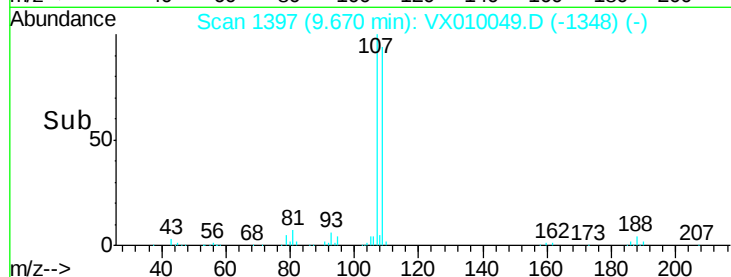
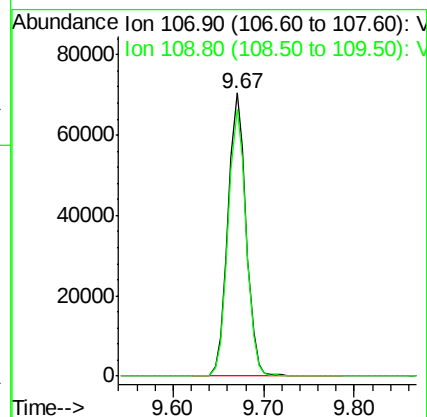
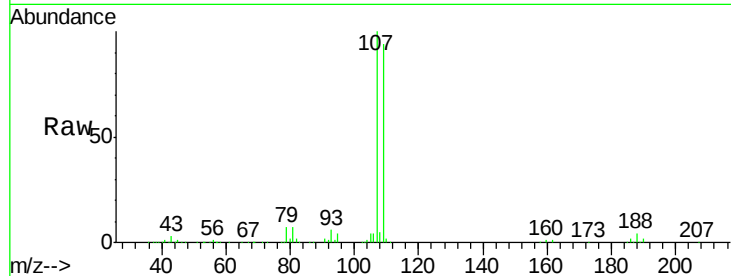
109 94.3 75.4 113.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.073 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

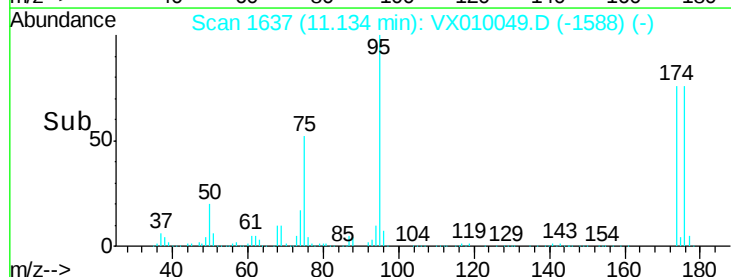
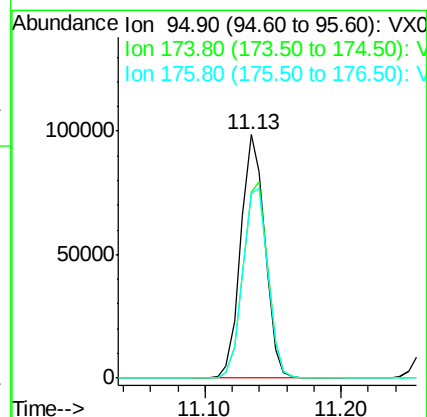
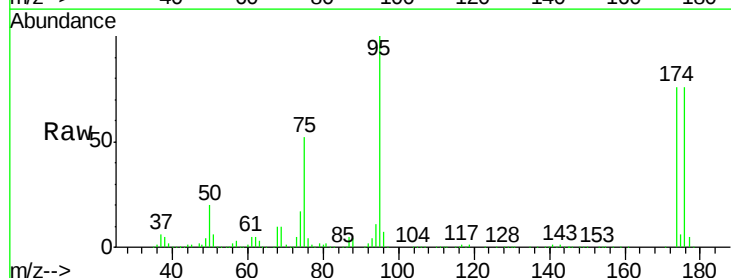
Tgt Ion: 95 Resp: 121744

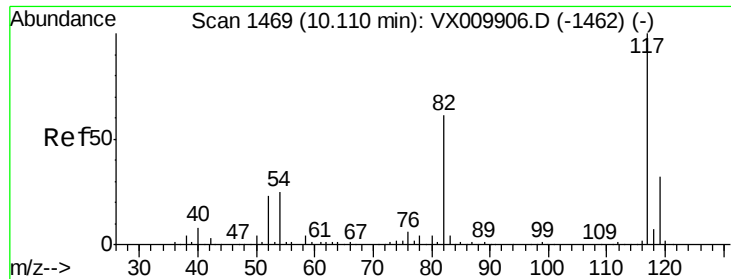
Ion Ratio Lower Upper

95 100

174 82.7 0.0 160.4

176 81.1 0.0 154.6





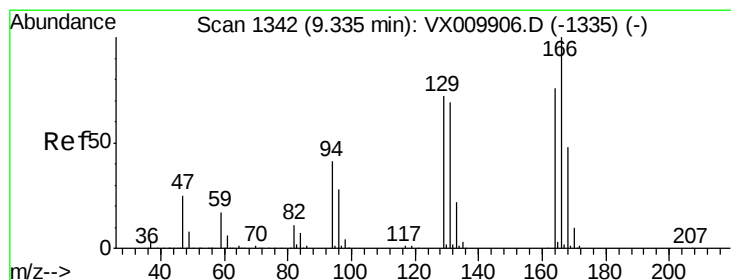
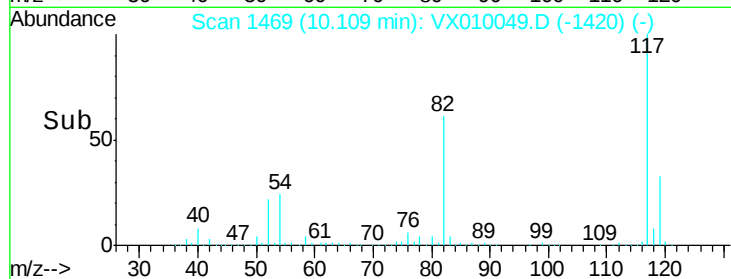
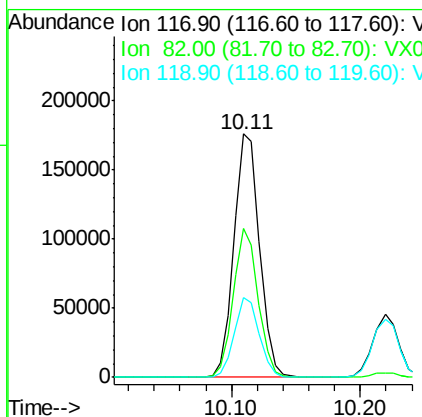
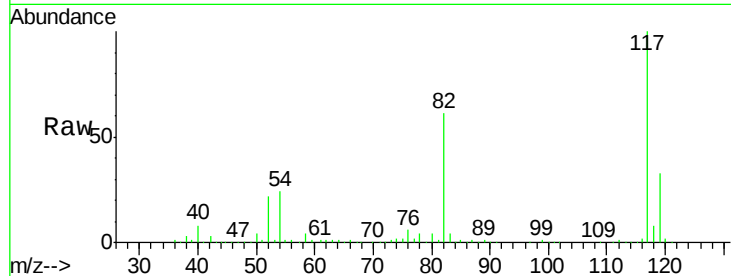
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	49.2	73.8
119	32.6	25.2	37.8

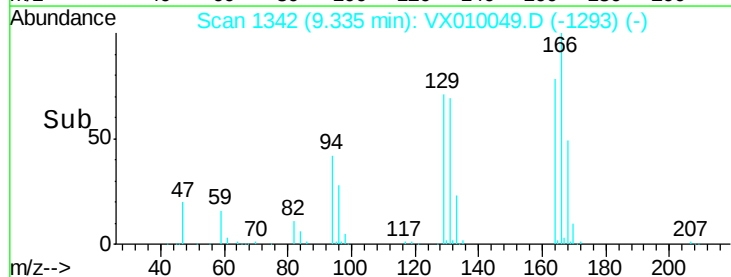
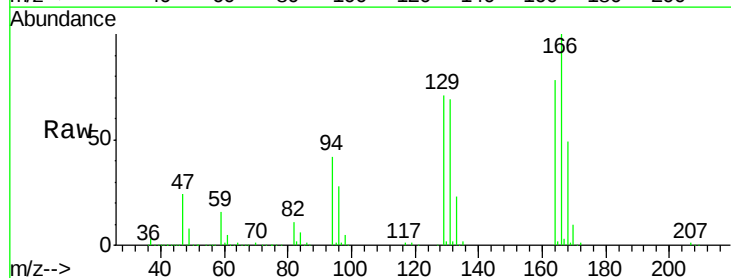
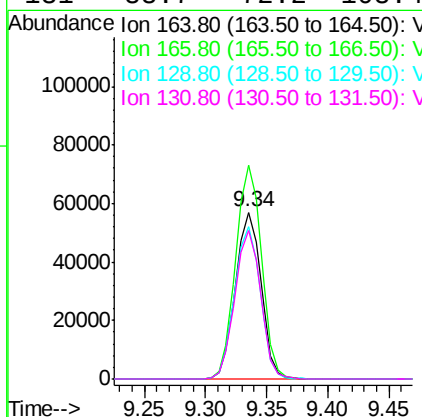
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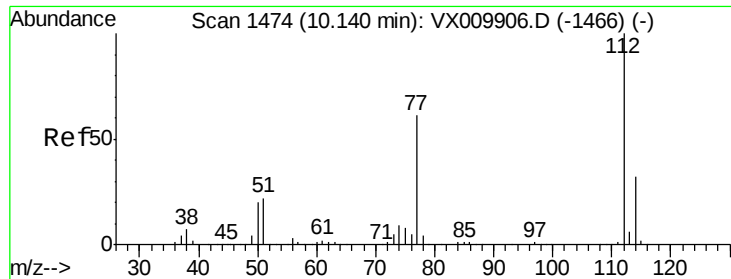
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#64
Tetrachloroethene
Concen: 48.330 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	105.0	157.4
129	90.9	75.1	112.7
131	88.7	72.2	108.4





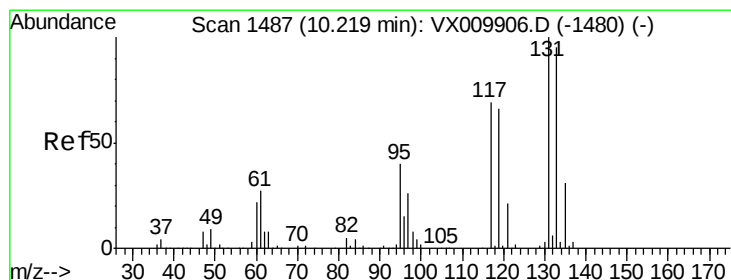
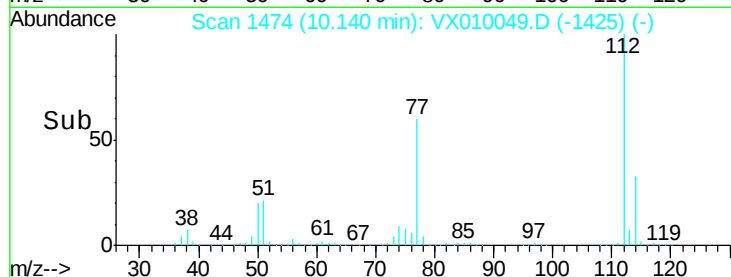
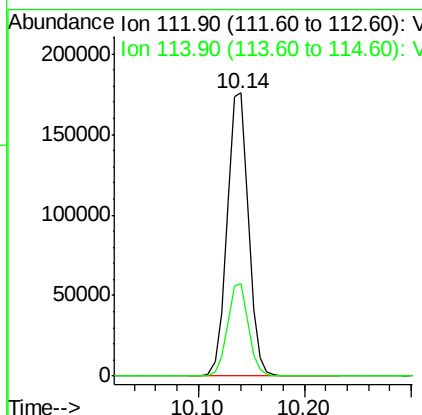
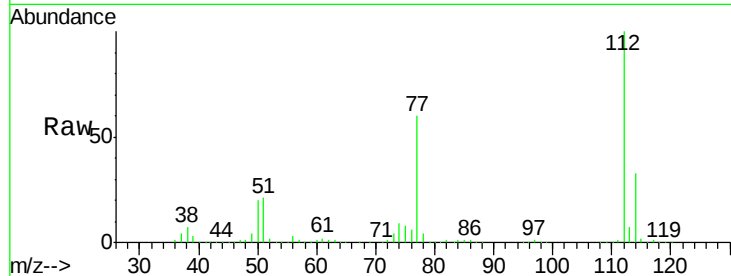
#65
Chlorobenzene
Concen: 48.332 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 247358
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8

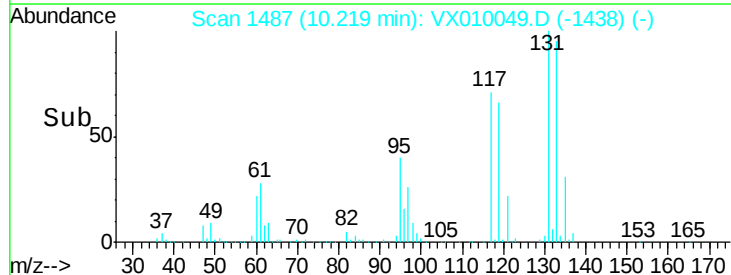
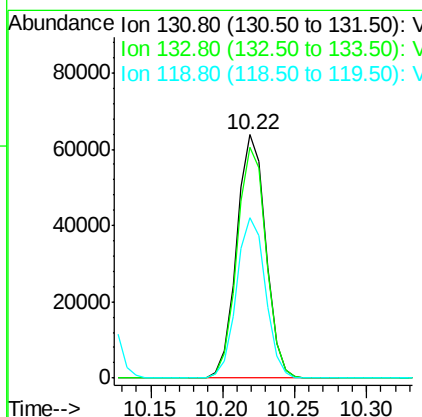
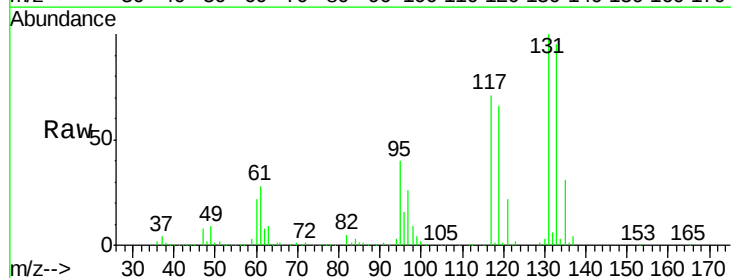
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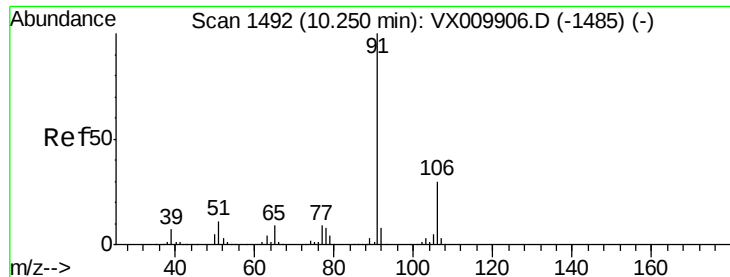
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.334 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion:131 Resp: 89348
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.6
119 66.3 33.4 100.1





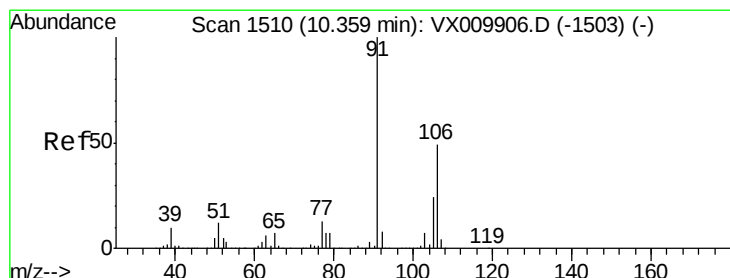
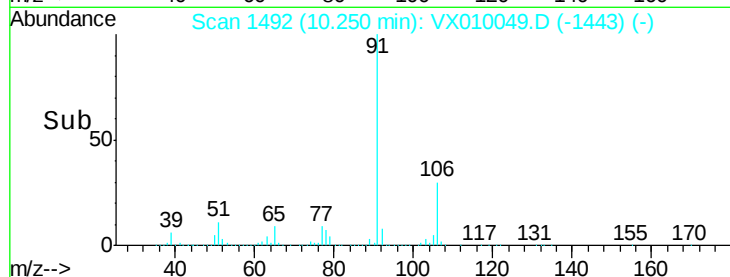
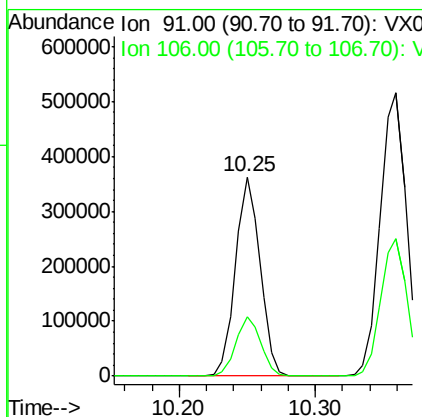
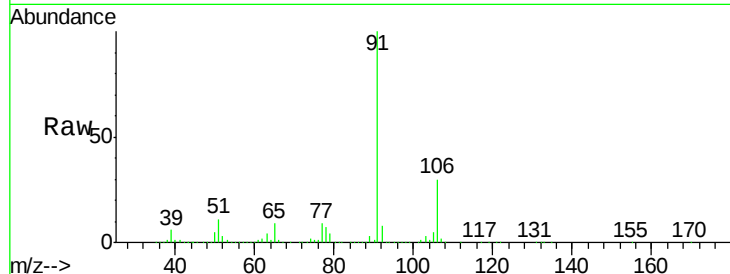
#67
Ethyl Benzene
Concen: 49.940 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 458916
Ion Ratio Lower Upper
91 100
106 29.7 23.9 35.9

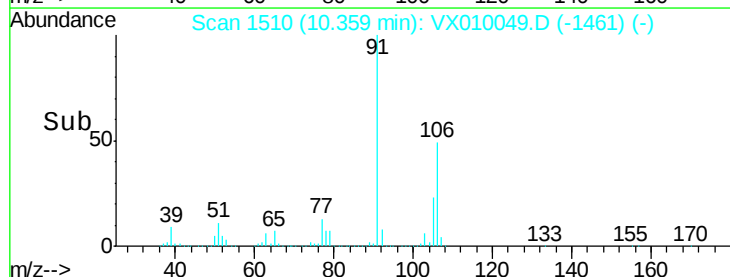
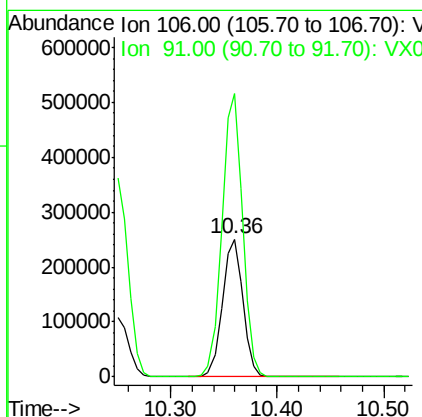
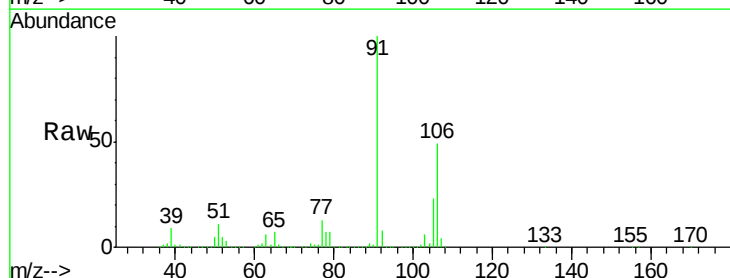
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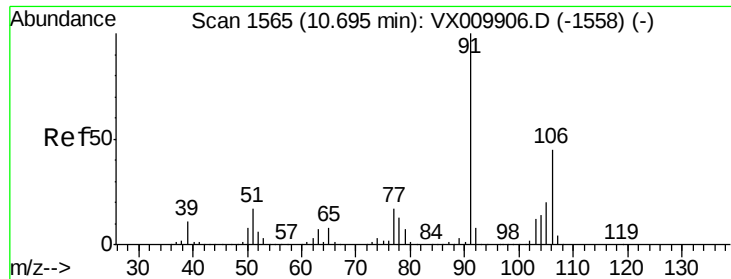
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#68
m/p-Xylenes
Concen: 99.120 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion: 106 Resp: 336501
Ion Ratio Lower Upper
106 100
91 206.6 167.3 250.9





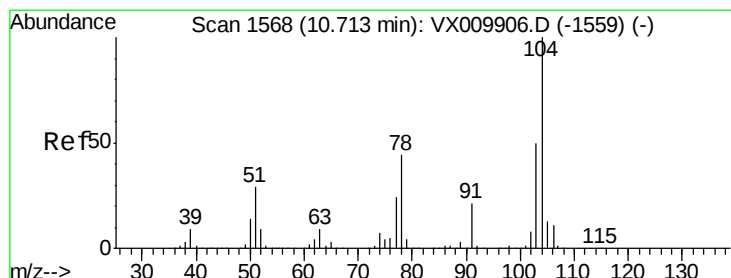
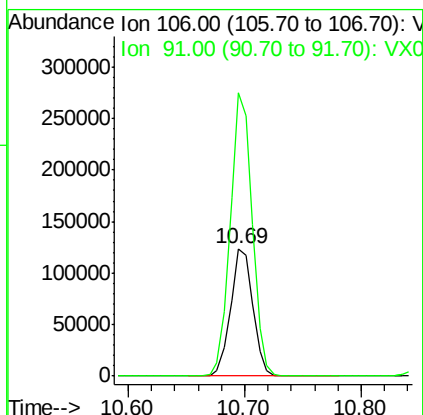
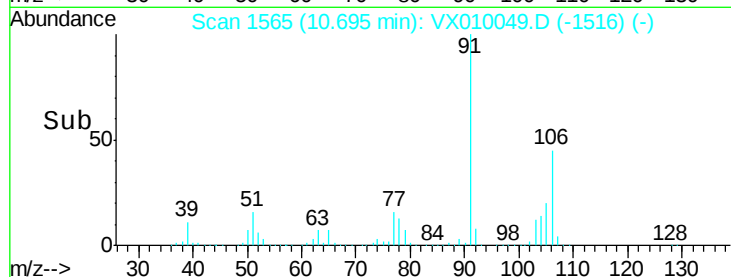
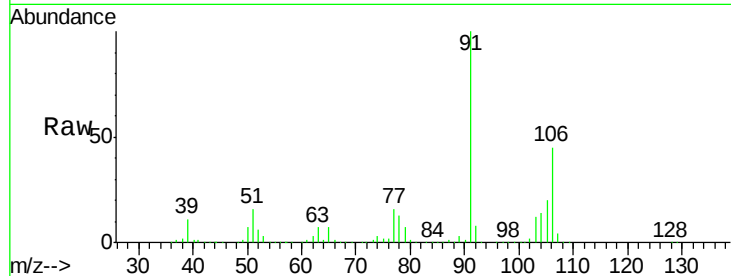
#69
o-Xylene
Concen: 50.531 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 164520
Ion Ratio Lower Upper
106 100
91 218.7 110.4 331.2

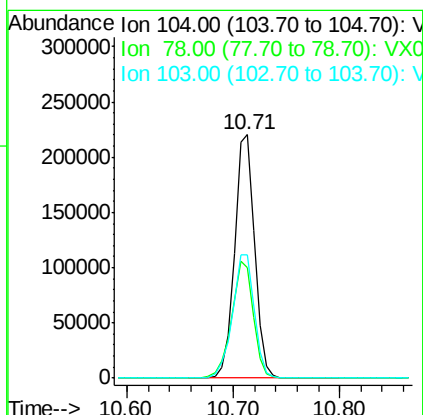
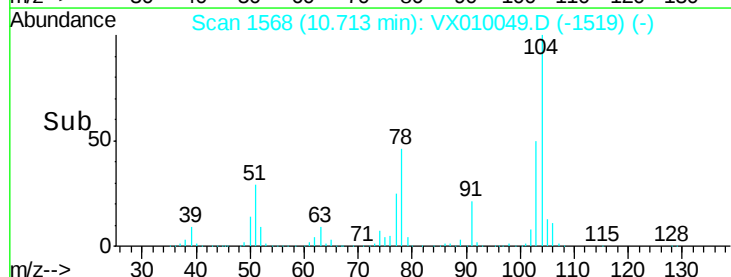
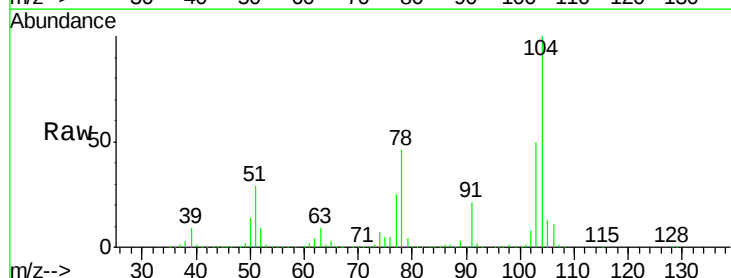
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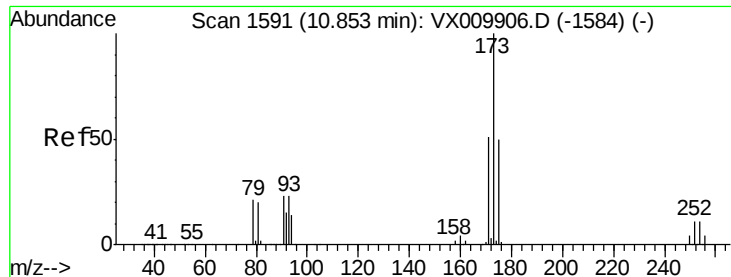
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#70
Styrene
Concen: 50.941 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion:104 Resp: 290829
Ion Ratio Lower Upper
104 100
78 52.1 42.1 63.1
103 55.6 44.1 66.1





#71

Bromoform

Concen: 50.472 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 73235

Ion Ratio Lower Upper

173 100

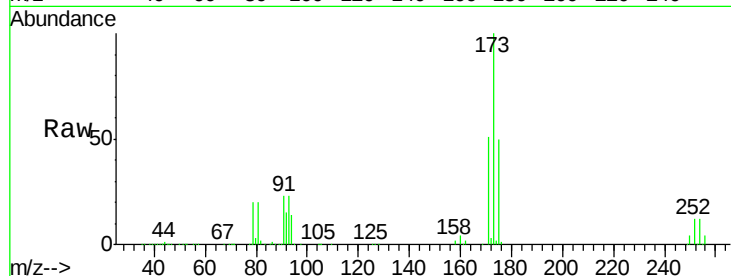
175 50.0 25.0 75.0

254 0.2 0.2 0.2#

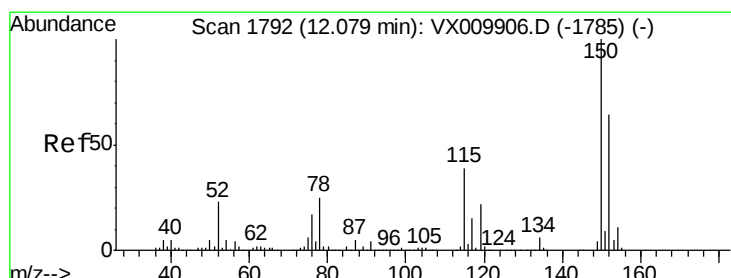
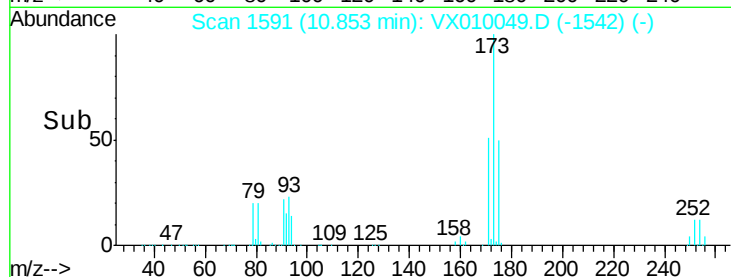
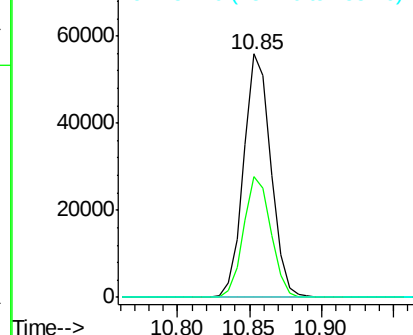
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

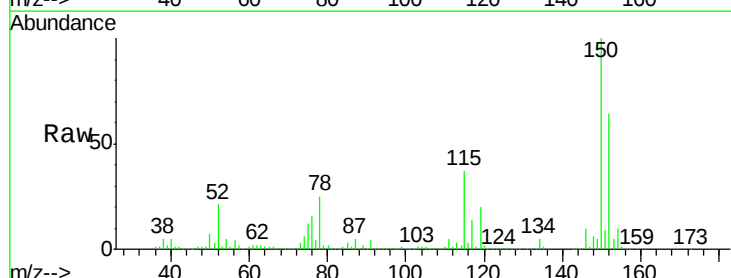
Tgt Ion:152 Resp: 123268

Ion Ratio Lower Upper

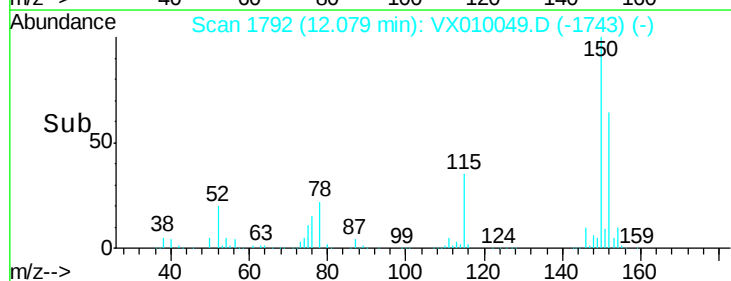
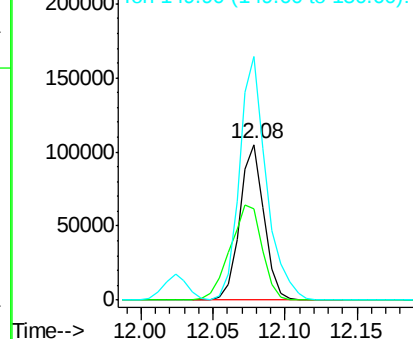
152 100

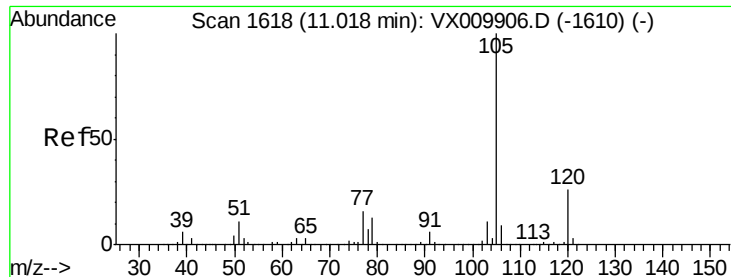
115 80.7 41.4 124.2

150 172.9 0.0 345.2



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





#73

Isopropylbenzene

Concen: 48.223 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 438588

Ion Ratio Lower Upper

105 100

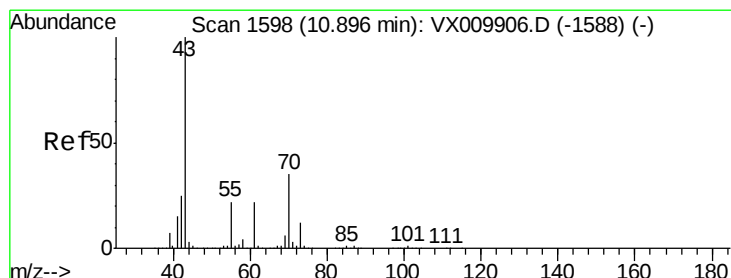
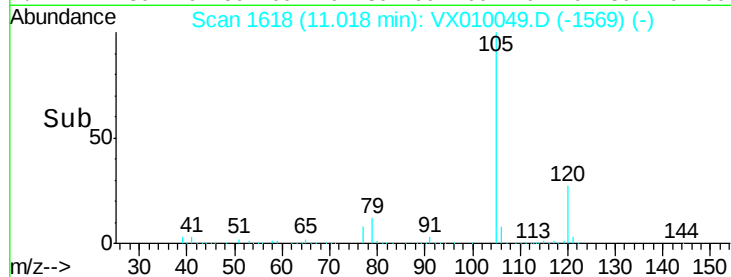
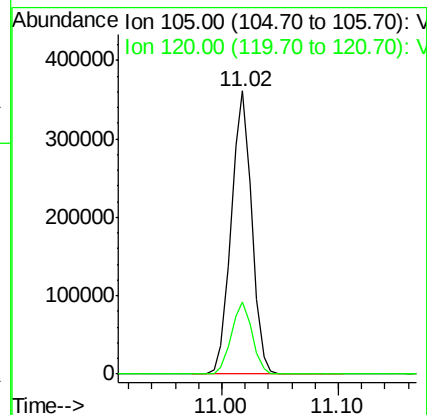
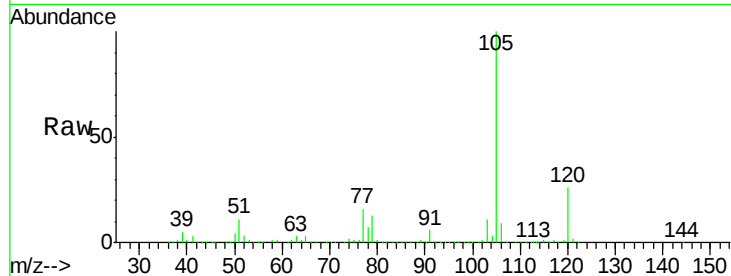
120 25.9 12.8 38.4

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#74

N-ethyl acetate

Concen: 48.993 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Tgt Ion: 43 Resp: 266262

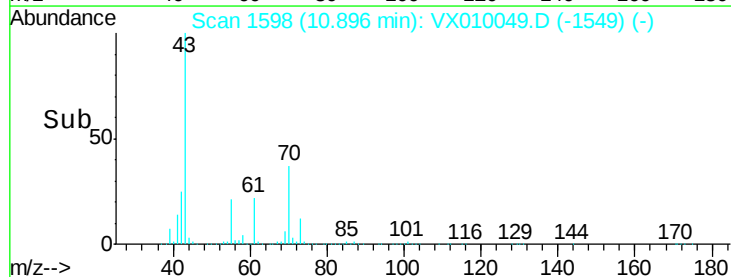
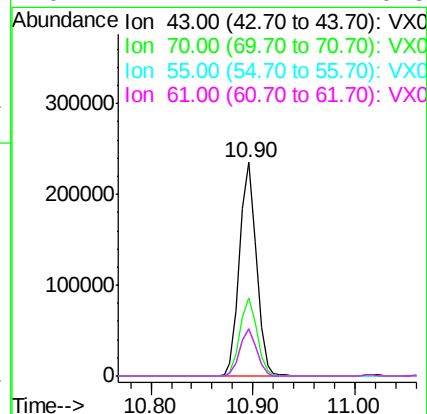
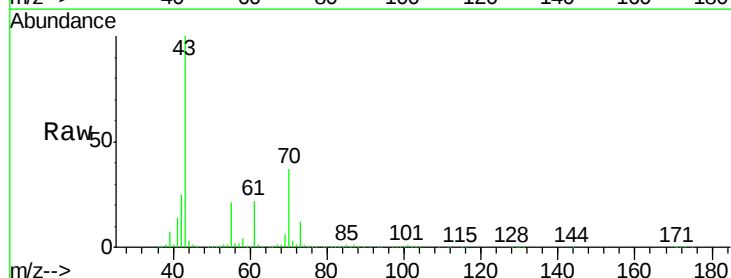
Ion Ratio Lower Upper

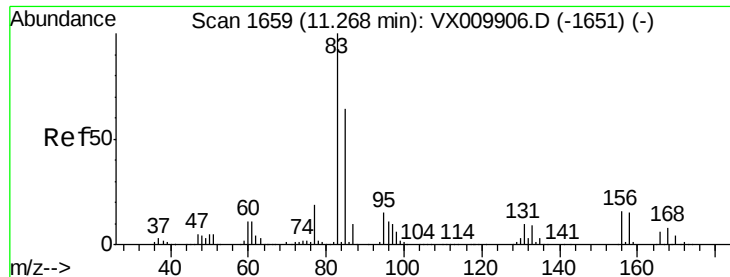
43 100

70 36.8 28.6 43.0

55 21.8 17.8 26.8

61 22.1 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.206 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

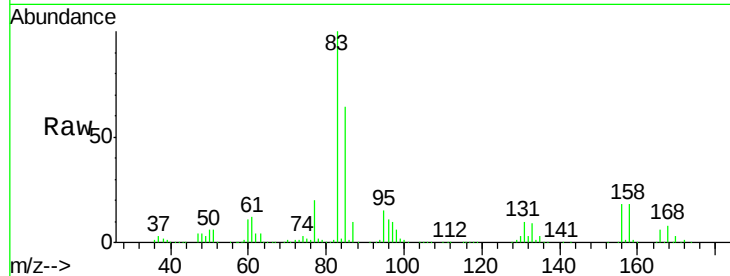
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	160173
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	63.8	31.9	95.9

Manual Integrations
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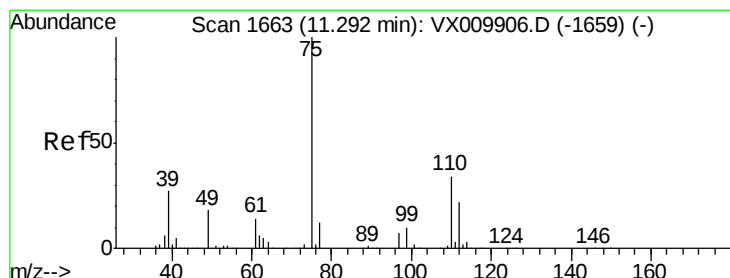
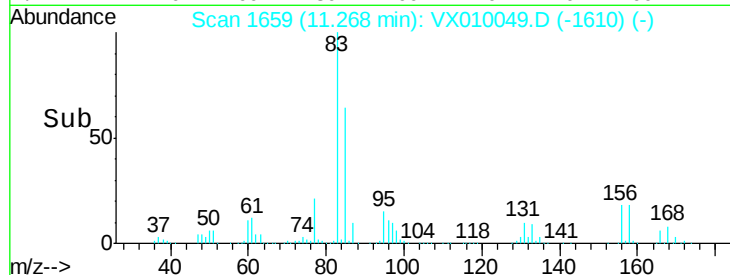
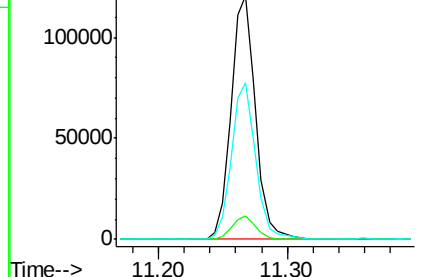
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 47.231 ug/l m

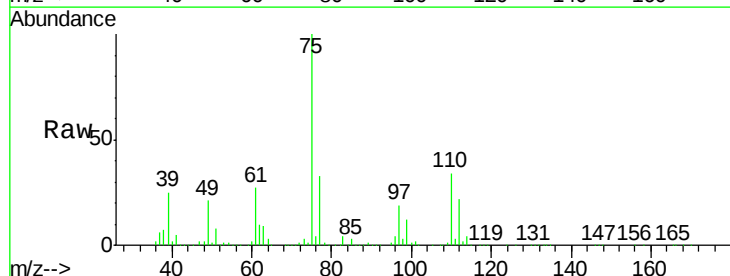
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010049.D

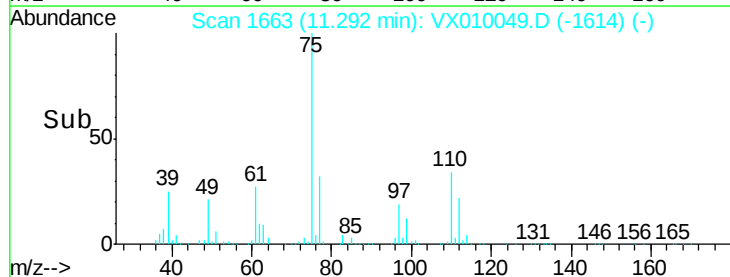
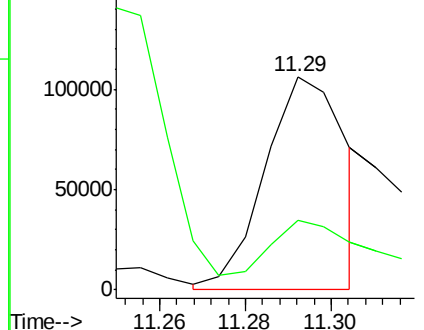
Acq: 03 Jun 2019 20:18

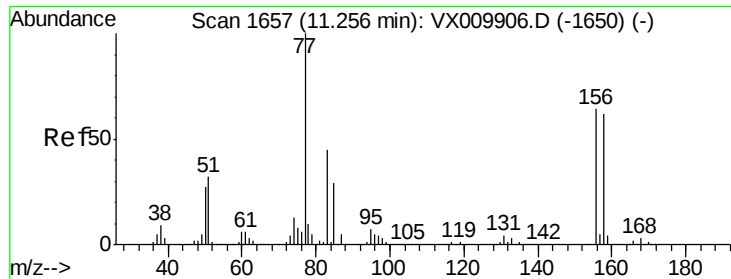
Tgt Ion:	75	Resp:	139223
Ion Ratio	Lower	Upper	
75	100		
77	44.0	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.065 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

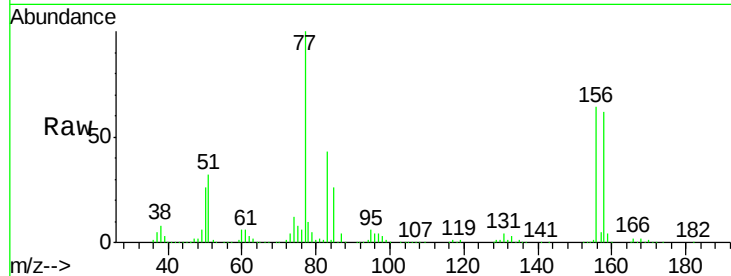
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	111405
Ion Ratio	Lower	Upper	
156	100		
77	167.1	86.8	260.3
158	97.0	49.6	148.8

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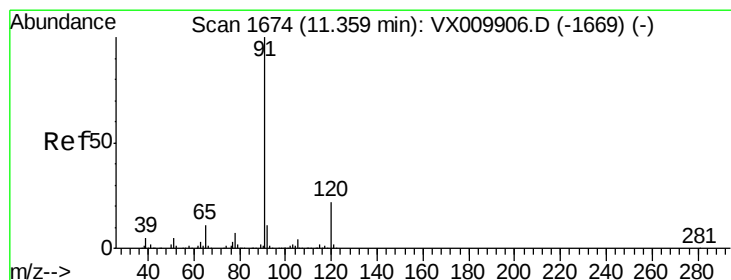
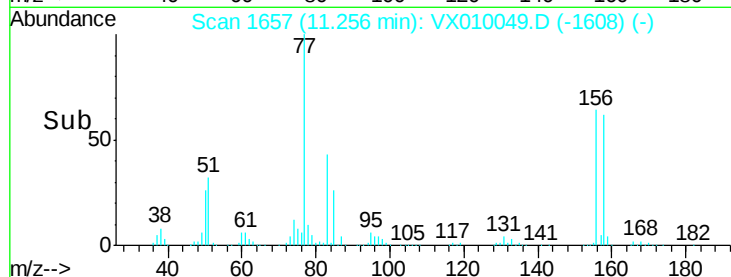
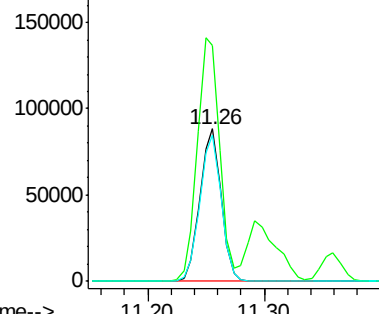
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.619 ug/l

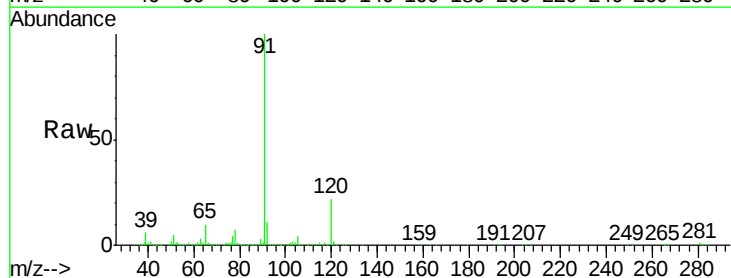
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010049.D

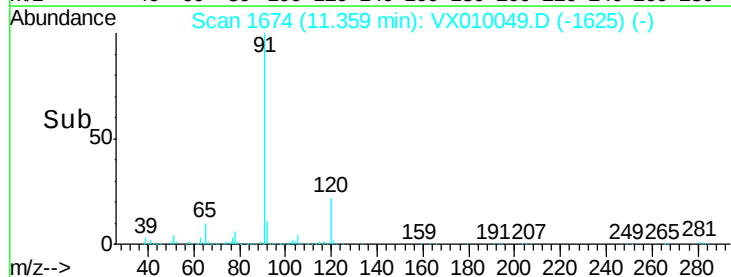
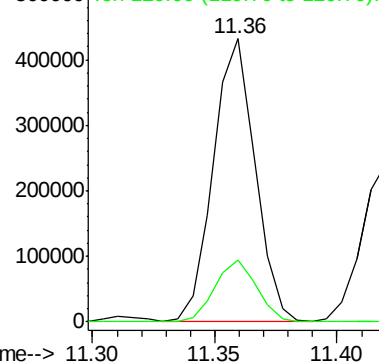
Acq: 03 Jun 2019 20:18

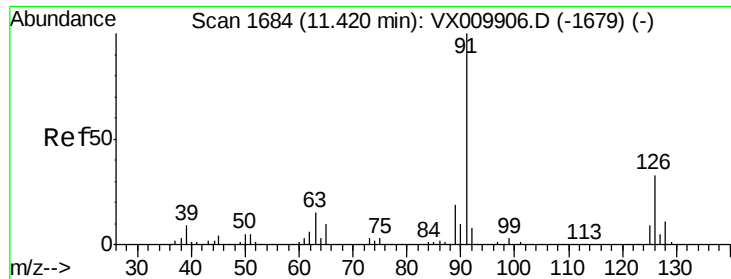
Tgt Ion:	91	Resp:	509699
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.129 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 301863

Ion Ratio Lower Upper

91 100

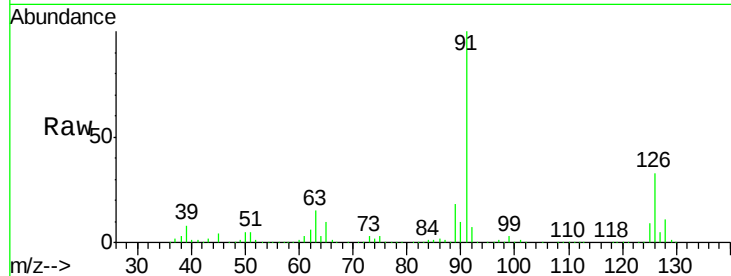
126 33.1 16.1 48.3

Manual Integrations

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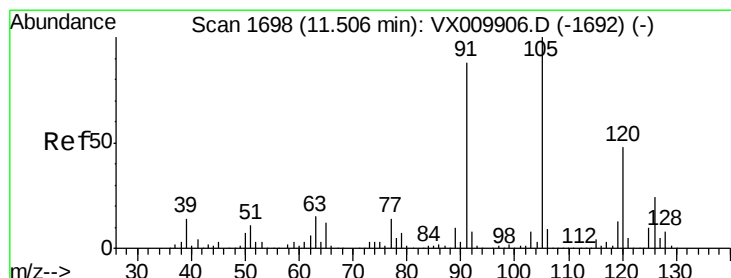
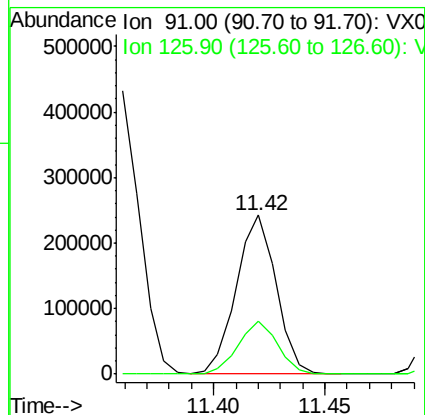
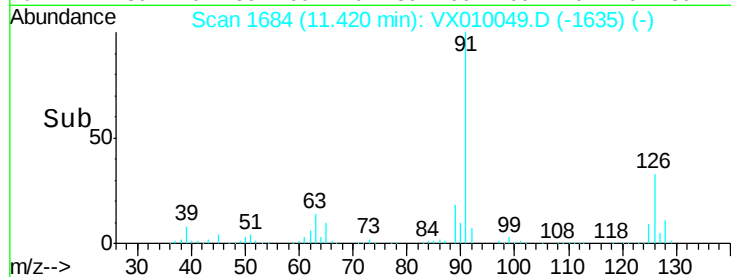
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.359 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010049.D

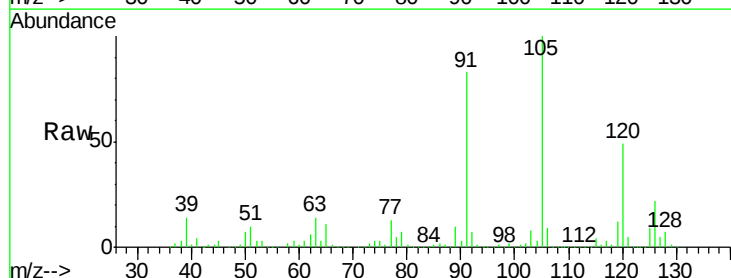
Acq: 03 Jun 2019 20:18

Tgt Ion: 105 Resp: 370534

Ion Ratio Lower Upper

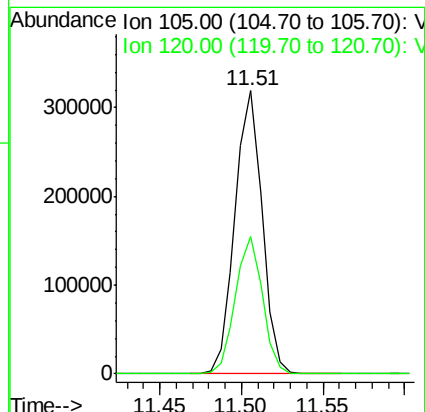
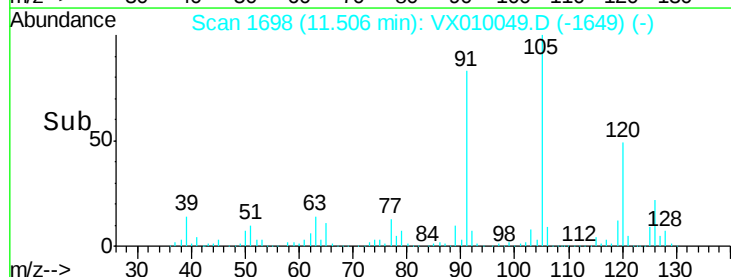
105 100

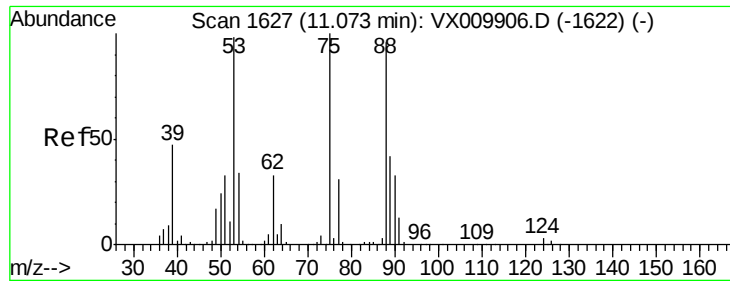
120 48.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.490 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 75 Resp: 54197

Ion Ratio Lower Upper

75 100

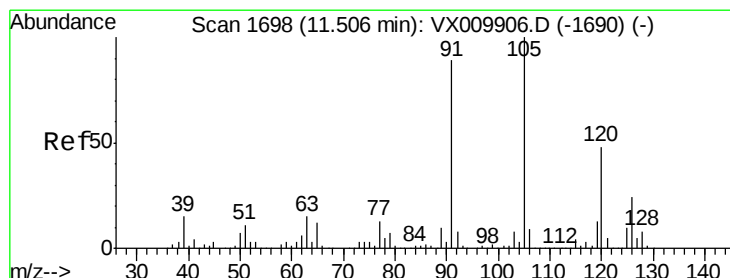
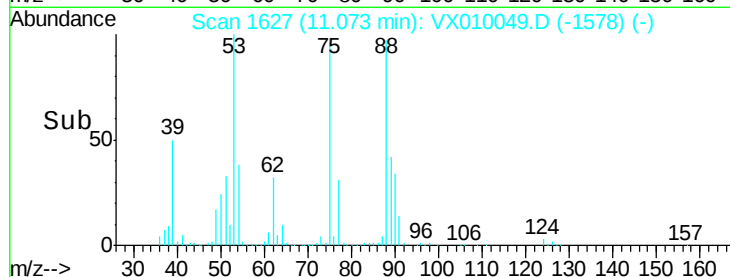
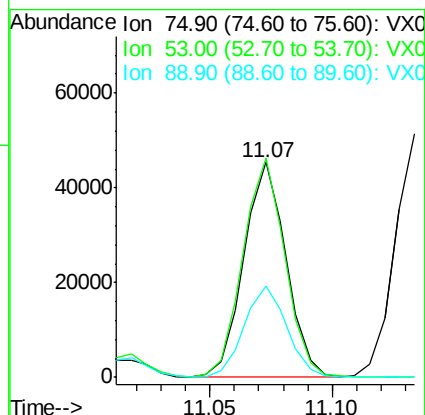
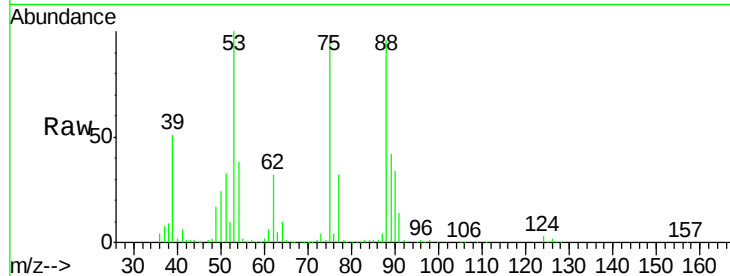
53 101.1 79.8 119.6

89 43.1 34.2 51.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.023 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX010049.D

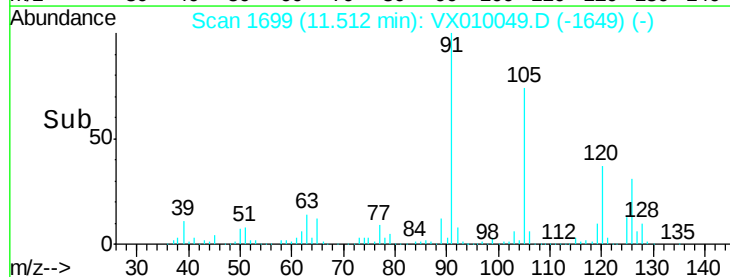
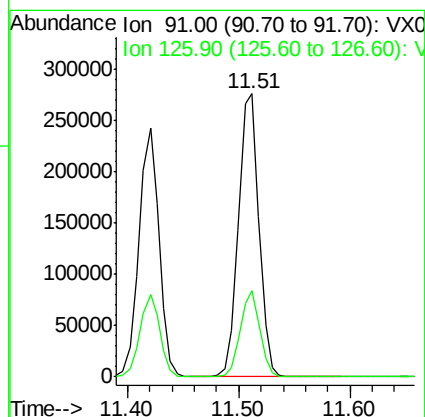
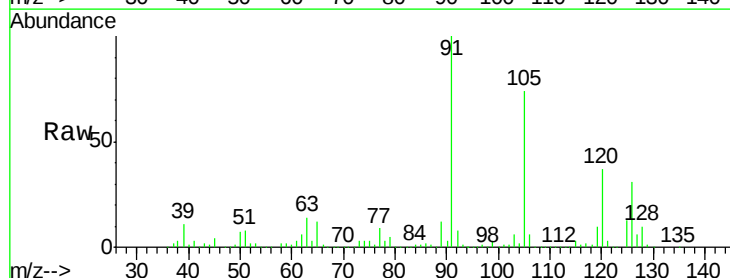
Acq: 03 Jun 2019 20:18

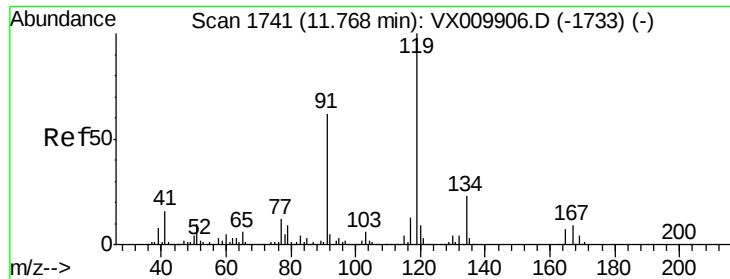
Tgt Ion: 91 Resp: 350614

Ion Ratio Lower Upper

91 100

126 28.9 14.2 42.6





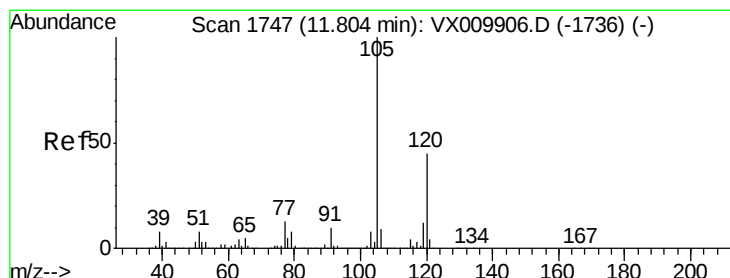
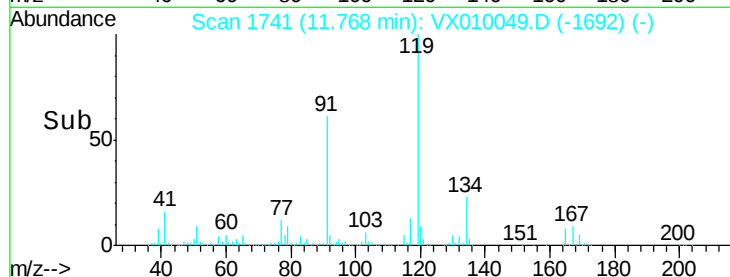
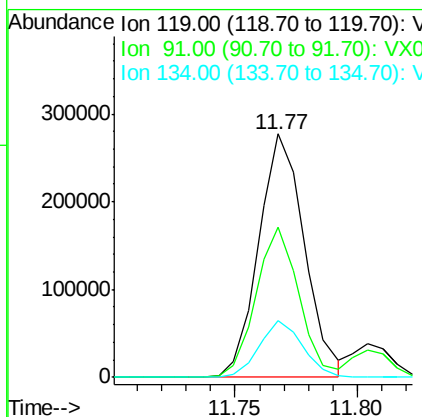
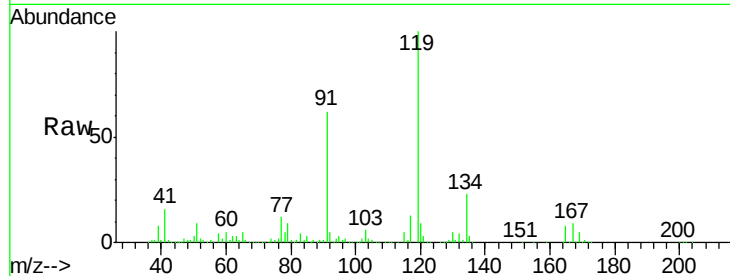
#83
tert-Butylbenzene
Concen: 49.227 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	360855		
91	58.0		30.0	90.0
134	22.2		11.2	33.5

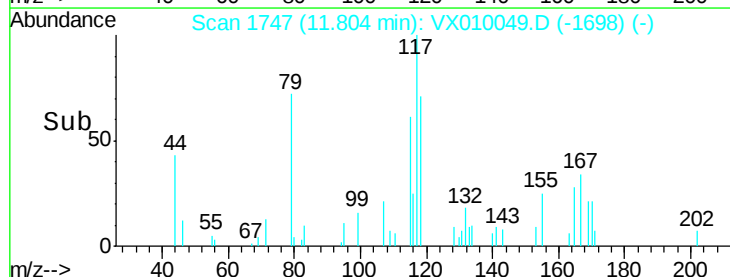
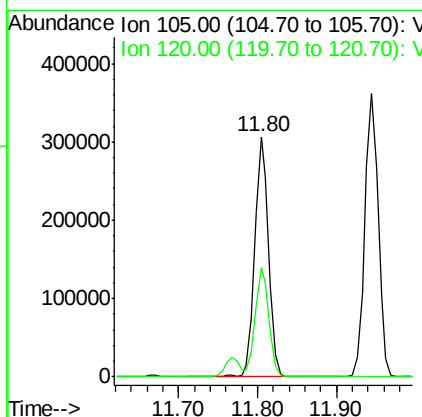
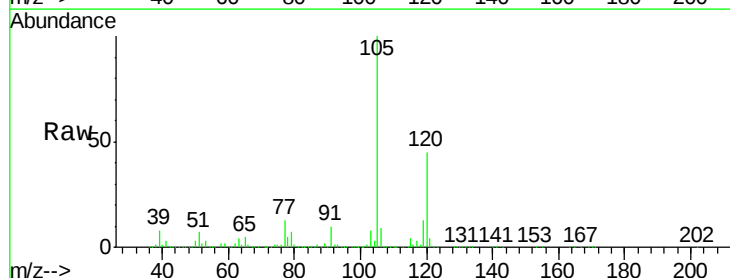
Manual Integrations
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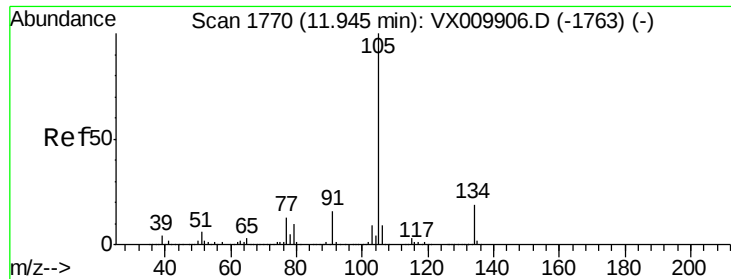
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.965 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010049.D
Acq: 03 Jun 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	373228		
120	44.5		22.1	66.1





#85

sec-Butylbenzene

Concen: 48.705 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 424754

Ion Ratio Lower Upper

105 100

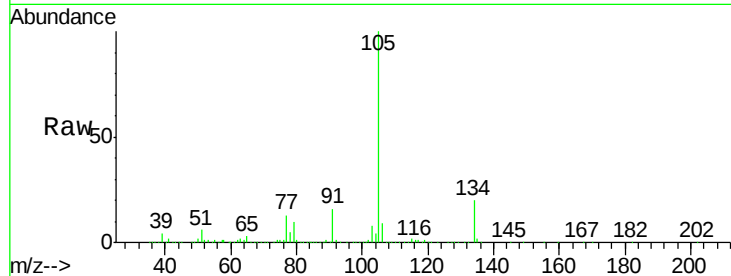
134 19.6 9.7 28.9

Manual Integrations

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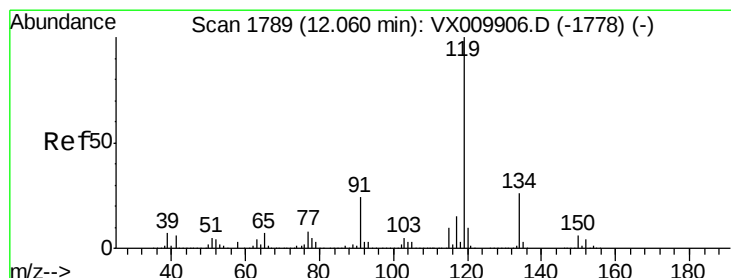
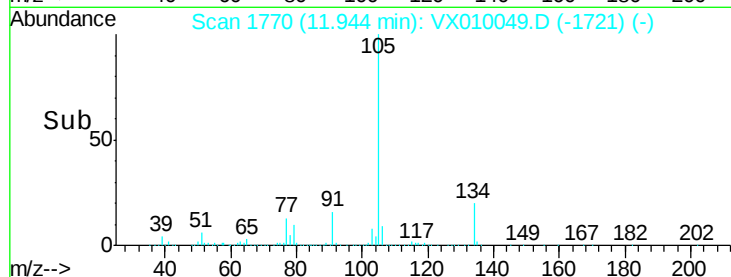
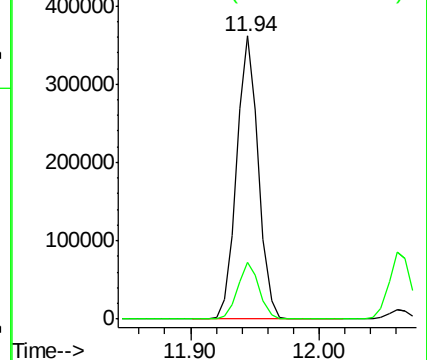
MMDadoda

6/4/2019 11:29:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.799 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

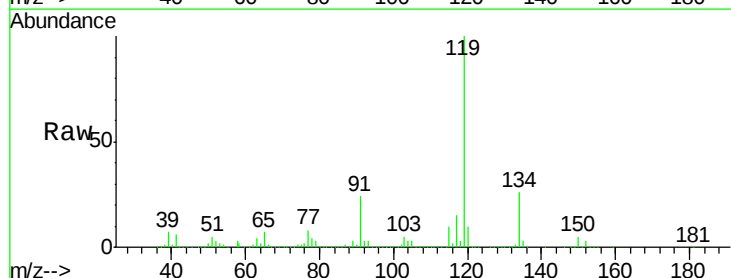
Tgt Ion:119 Resp: 390629

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

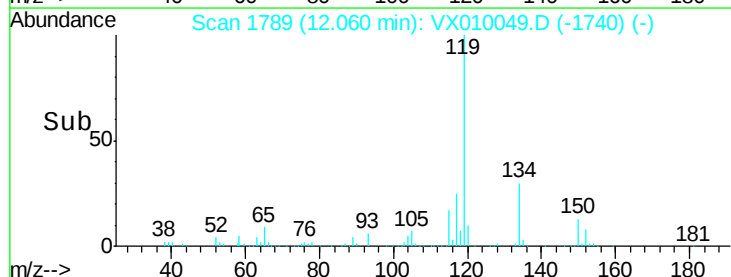
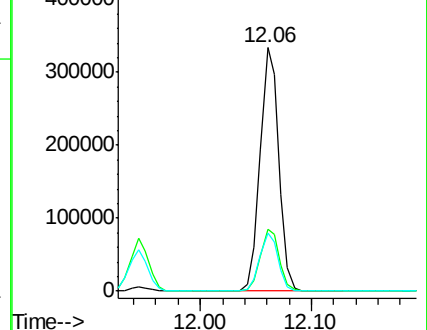
91 23.7 11.9 35.9

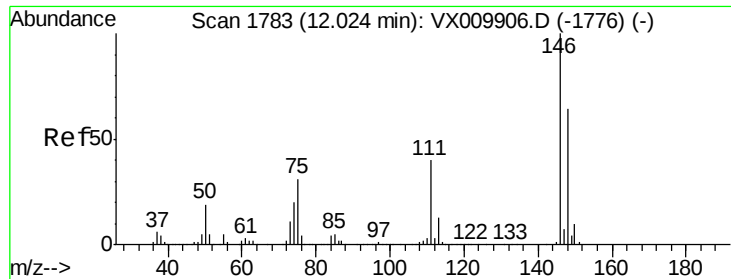


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





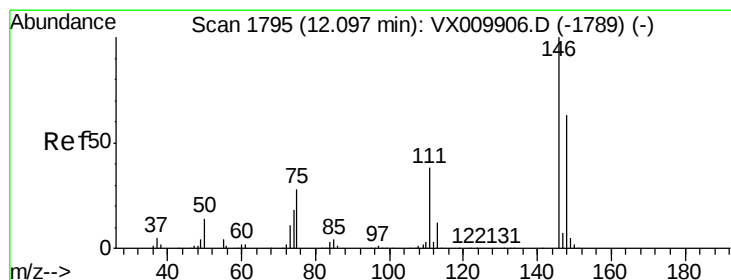
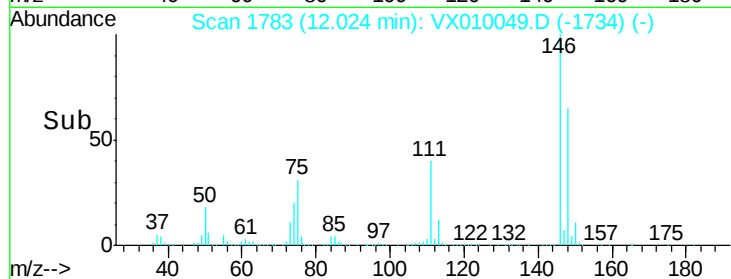
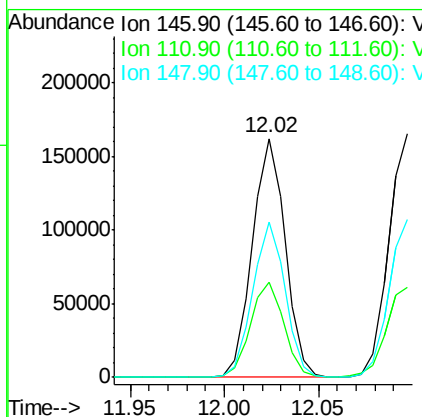
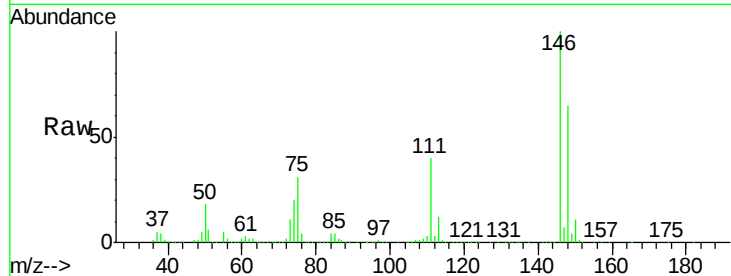
#87
 1,3-Dichlorobenzene
 Concen: 47.668 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.2
148	64.1	31.9	95.5

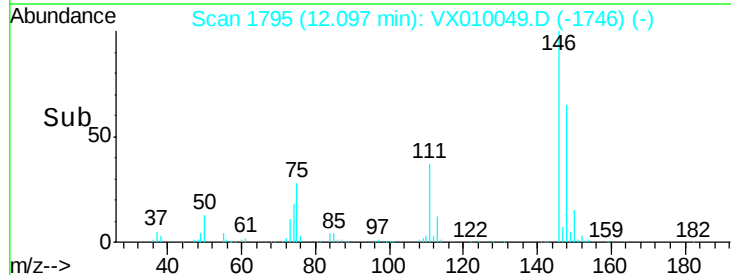
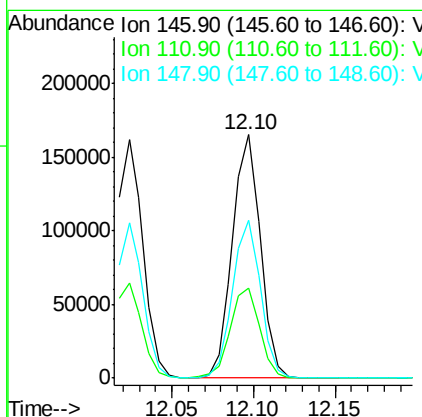
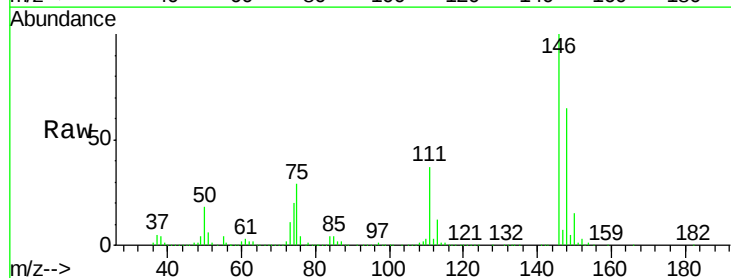
Manual Integrations
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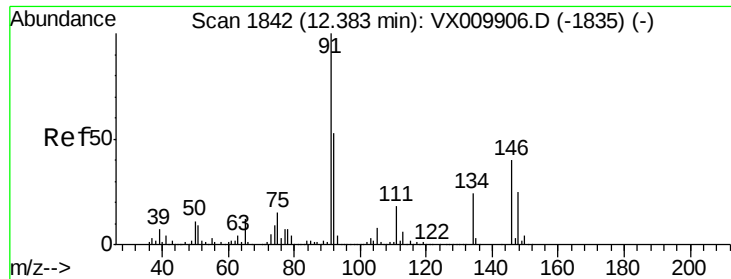
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 6/4/2019 11:29:57 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.956 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.0	59.9
148	64.8	32.3	96.9





#89

n-Butylbenzene

Concen: 48.860 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 360187
Ion Ratio Lower Upper

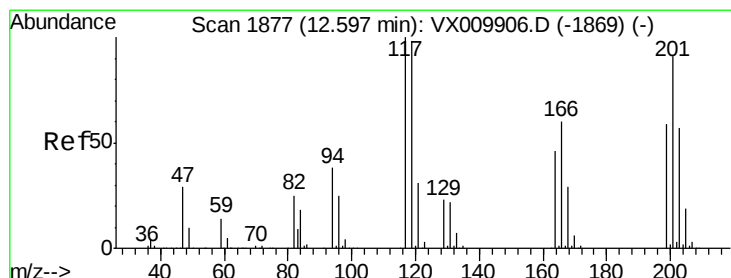
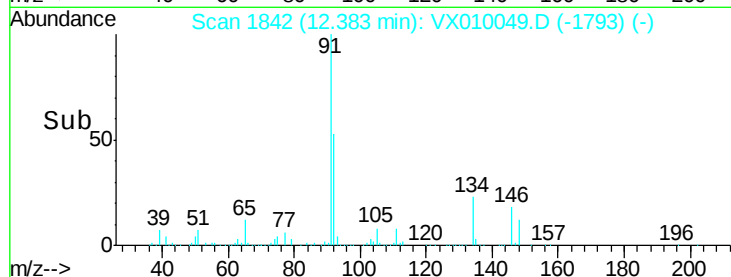
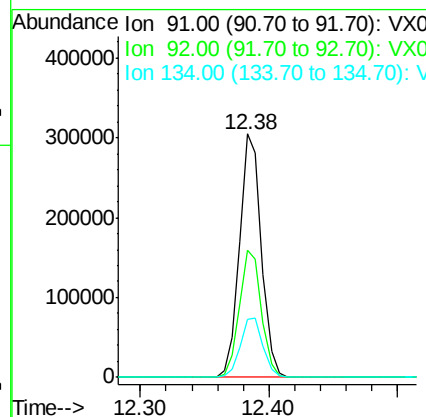
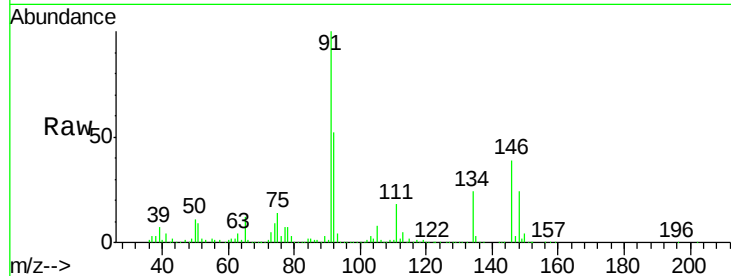
91 100

92 52.8 26.3 78.8

134 25.1 12.3 36.8

Manual Integrations
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6/4/2019 11:29:57 AM



#90

Hexachloroethane

Concen: 48.026 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

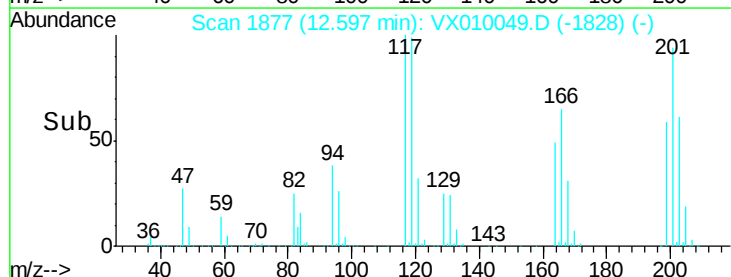
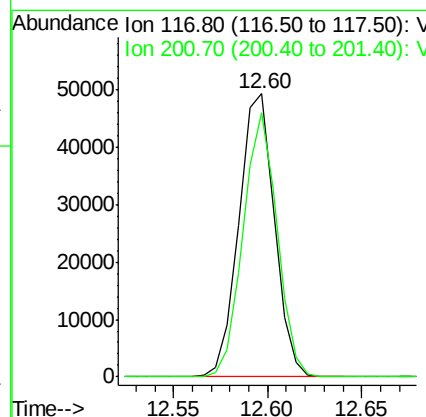
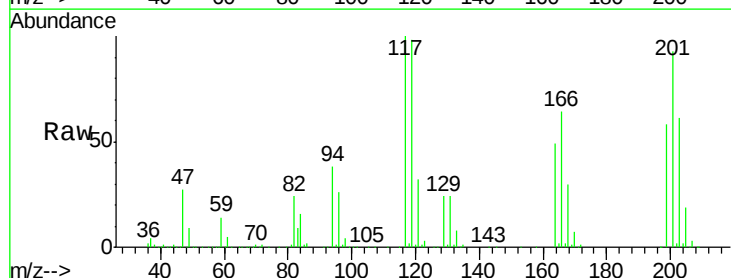
Lab File: VX010049.D

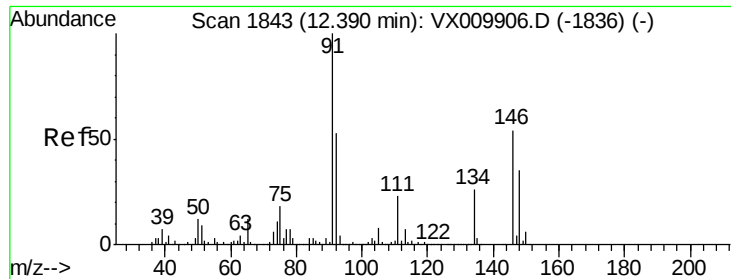
Acq: 03 Jun 2019 20:18

Tgt Ion: 117 Resp: 64651
Ion Ratio Lower Upper

117 100

201 89.2 43.6 130.9





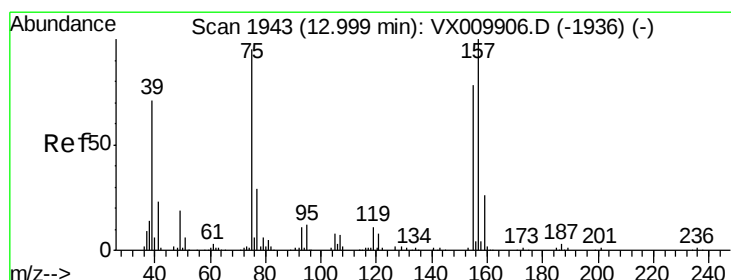
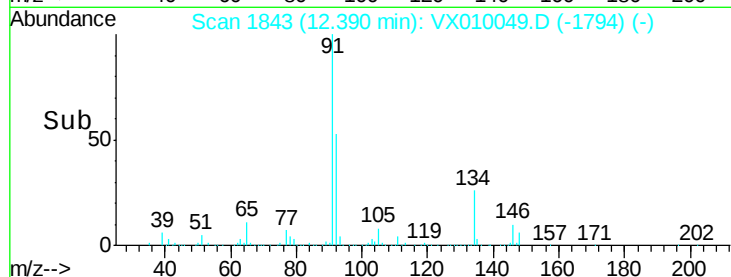
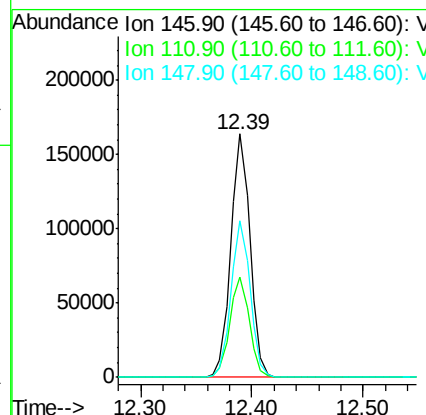
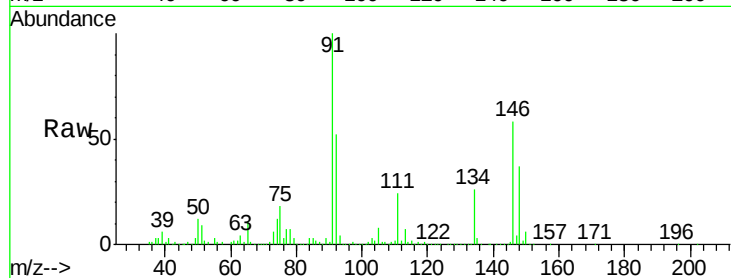
#91
 1,2-Dichlorobenzene
 Concen: 48.127 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	195800		
111	41.8	21.1	63.1	
148	63.9	32.3	96.8	

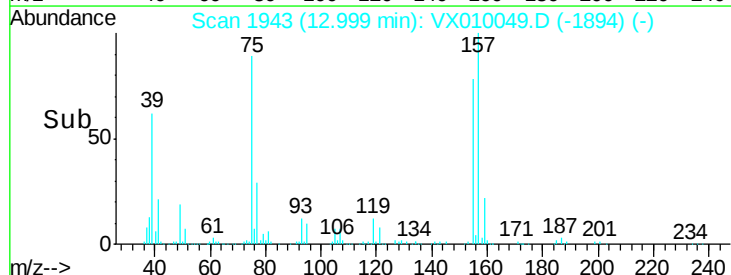
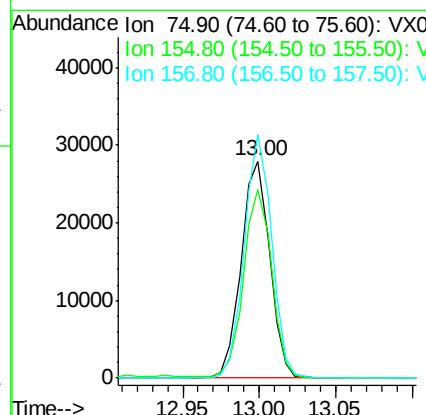
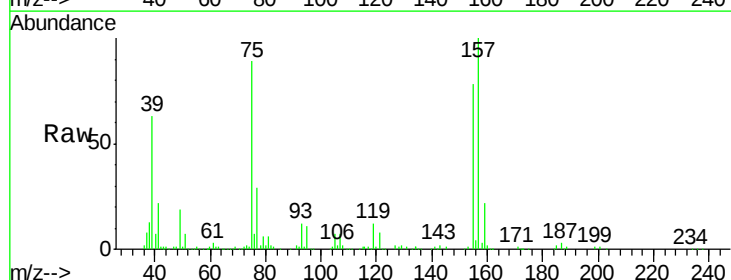
Manual Integrations
 APPROVED

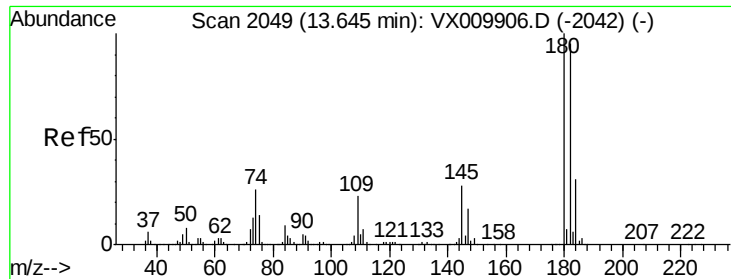
MMDadoda
 6/4/2019 11:29:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.327 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36202		
155	85.8	39.3	117.8	
157	107.7	50.6	151.8	





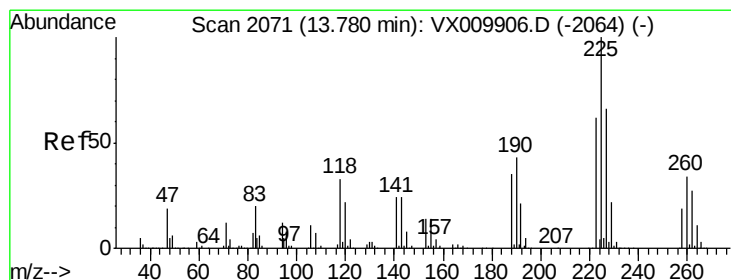
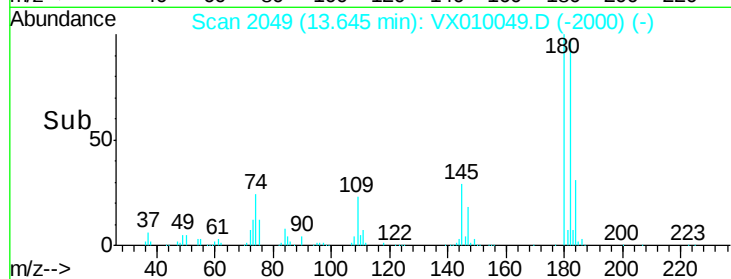
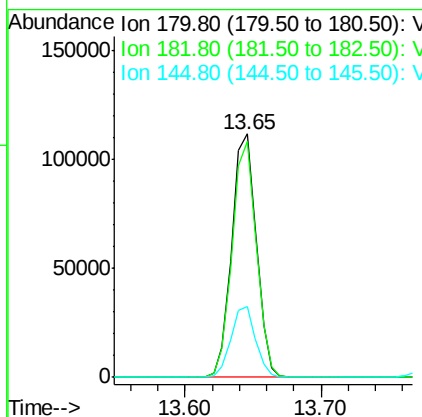
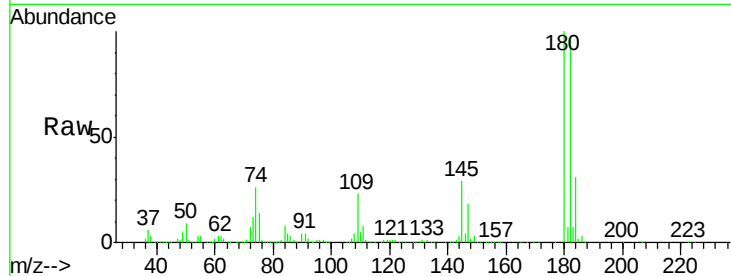
#93
 1,2,4-Trichlorobenzene
 Concen: 48.263 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.2
145	29.2	14.5	43.5

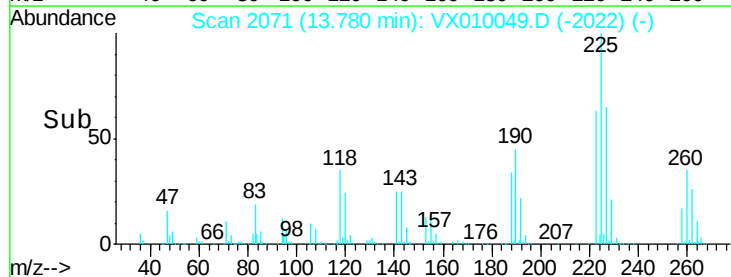
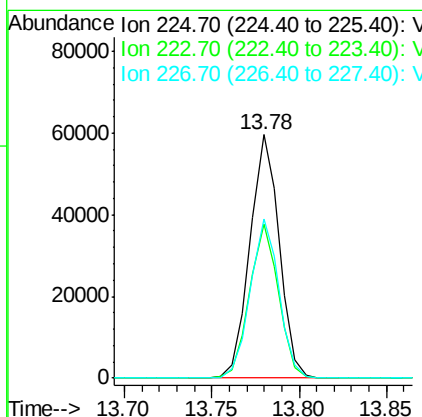
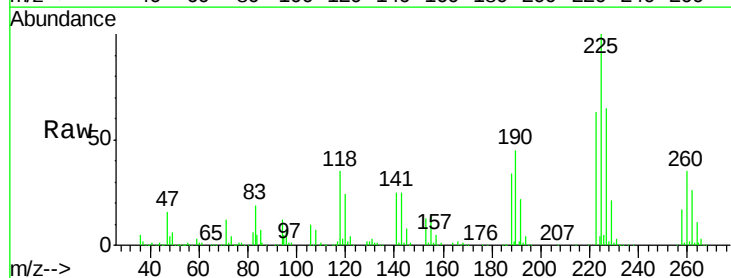
Manual Integrations
 APPROVED

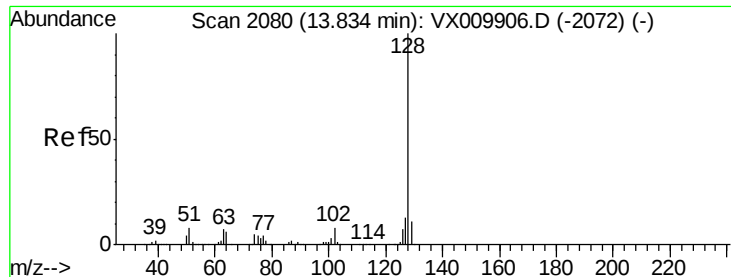
MMDadoda
 6/4/2019 11:29:57 AM



#94
 Hexachlorobutadiene
 Concen: 47.778 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010049.D
 Acq: 03 Jun 2019 20:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.3	93.8
227	64.3	32.3	96.8





#95

Naphthalene

Concen: 49.648 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Instrument :

MSVOA_X

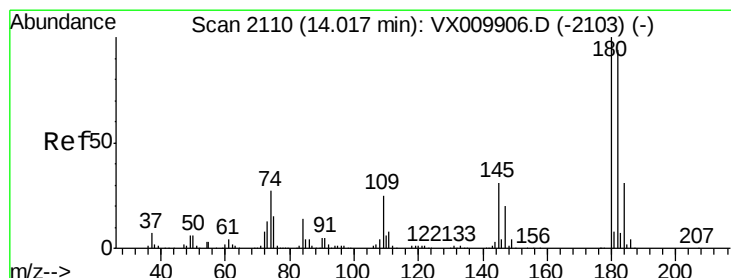
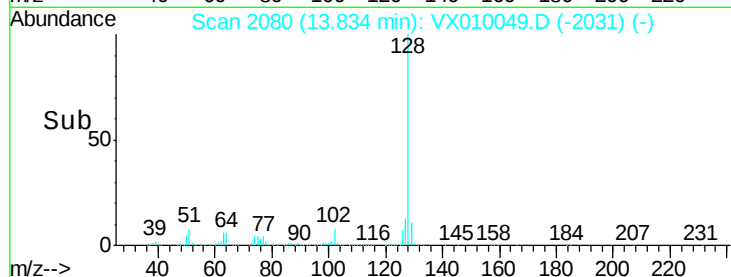
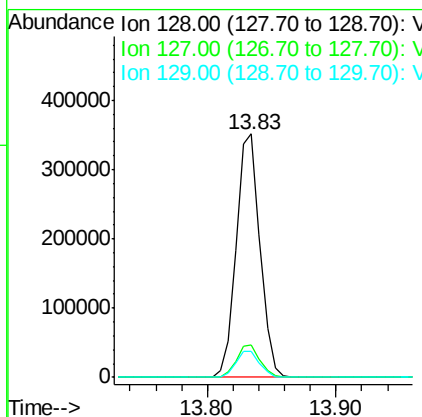
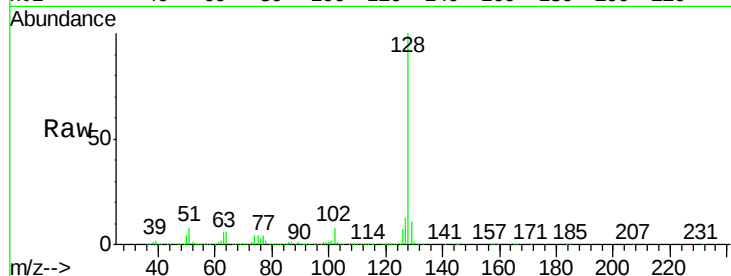
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	449194
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:29:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.148 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010049.D

Acq: 03 Jun 2019 20:18

Tgt Ion:	180	Resp:	140123
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	30.7	15.6	46.7

