

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061976.D
 Acq On : 16 Mar 2019 13:22
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:19:03 PM

Quant Time: Mar 22 03:17:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	262173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	415330	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	355360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	185924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	146859	77.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.64%	
35) Dibromofluoromethane	4.11	113	195993	70.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.54%	
50) Toluene-d8	7.55	98	576553	70.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.44%	
62) 4-Bromofluorobenzene	11.41	95	227978	70.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	175449	62.776	ug/l	99
3) Chloromethane	1.10	50	188387	66.329	ug/l #	87
4) Vinyl Chloride	1.14	62	185644	67.583	ug/l	98
5) Bromomethane	1.32	94	120958	62.683	ug/l	99
6) Chloroethane	1.39	64	95072	67.044	ug/l	100
7) Trichlorofluoromethane	1.48	101	244350	67.144	ug/l	98
8) Diethyl Ether	1.63	74	53887	66.608	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.83	101	164169	64.028	ug/l	95
10) Methyl Iodide	1.91	142	303815m	67.701	ug/l	
11) Tert butyl alcohol	2.57	59	42698	369.741	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	138794	62.725	ug/l	93
13) Acrolein	2.00	56	37098	297.582	ug/l	88
14) Allyl chloride	2.10	41	193795	68.611	ug/l	95
15) Acrylonitrile	2.94	53	126046	358.930	ug/l	95
16) Acetone	2.24	43	168594	397.830	ug/l	100
17) Carbon Disulfide	1.80	76	413413m	64.602	ug/l	
18) Methyl Acetate	2.35	43	67915	75.446	ug/l	93
19) Methyl tert-butyl Ether	2.44	73	275364	68.677	ug/l	100
20) Methylene Chloride	2.18	84	143907m	65.958	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	148381	64.258	ug/l	98
22) Diisopropyl ether	2.80	45	447945	65.932	ug/l	97
23) Vinyl Acetate	3.18	43	977766	365.074	ug/l	98
24) 1,1-Dichloroethane	2.87	63	264376	66.923	ug/l	100
25) 2-Butanone	4.33	43	300343	357.854	ug/l	97
26) 2,2-Dichloropropane	3.60	77	123747	66.410	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	197863	67.983	ug/l	99
28) Bromochloromethane	3.72	49	117217	71.509	ug/l	97
29) Tetrahydrofuran	4.07	42	120856	331.110	ug/l	98
30) Chloroform	3.86	83	292373	65.320	ug/l	96
31) Cyclohexane	3.69	56	249626m	64.496	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	195124	65.642	ug/l	92
36) 1,1-Dichloropropene	4.28	75	242344	64.614	ug/l	98
37) Ethyl Acetate	4.11	43	105832	62.843	ug/l	87
38) Carbon Tetrachloride	3.98	117	177923	64.910	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	274652	62.376	ug/l	95
40) Benzene	4.63	78	626180	63.007	ug/l	98
41) Methacrylonitrile	4.74	41	59395	66.012	ug/l	94
42) 1,2-Dichloroethane	4.94	62	164311	66.415	ug/l	97
43) Isopropyl Acetate	6.95	43	127771	64.125	ug/l #	92
44) Trichloroethene	5.50	130	185221	60.839	ug/l	96
45) 1,2-Dichloropropane	6.23	63	153915	65.441	ug/l	94
46) Dibromomethane	6.08	93	95127	67.990	ug/l	95
47) Bromodichloromethane	6.38	83	215242	65.253	ug/l	96
48) Methyl methacrylate	6.71	41	81717	63.457	ug/l #	90
49) 1,4-Dioxane	6.71	88	16602	1449.374	ug/l #	81
51) 4-Methyl-2-Pentanone	8.25	43	472110	333.666	ug/l	93
52) Toluene	7.62	92	380381	62.642	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	181177	65.059	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	246834	67.930	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	106930	63.094	ug/l	98
56) Ethyl methacrylate	8.62	69	122399	63.533	ug/l	96
57) 1,3-Dichloropropane	8.85	76	180967	64.012	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.30	63	134639	385.839	ug/l	90
59) 2-Hexanone	9.49	43	349171	340.993	ug/l	97
60) Dibromochloromethane	8.72	129	159579	67.826	ug/l	91
61) 1,2-Dibromoethane	8.98	107	118894	65.402	ug/l	94
64) Tetrachloroethene	8.15	164	159675	61.816	ug/l	97
65) Chlorobenzene	9.79	112	434990	65.747	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	170749	66.580	ug/l	99
67) Ethyl Benzene	9.90	91	707733	62.474	ug/l	99
68) m/p-Xylenes	10.13	106	509703	119.629	ug/l	97
69) o-Xylene	10.71	106	276607	60.672	ug/l	99
70) Styrene	10.79	104	385361	61.012	ug/l	98
71) Bromoform	10.77	173	87703	67.611	ug/l	97
73) Isopropylbenzene	11.12	105	782127	60.891	ug/l	99
74) N-amyl acetate	11.37	43	219835	74.693	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	140715	66.370	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	96872	65.341	ug/l	97
77) Bromobenzene	11.50	156	192030	64.557	ug/l	96
78) n-propylbenzene	11.60	91	882858	59.775	ug/l	98
79) 2-Chlorotoluene	11.71	91	530983	63.692	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	619944	59.749	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	48906m	74.567	ug/l	
82) 4-Chlorotoluene	11.90	91	516738	61.293	ug/l	98
83) tert-Butylbenzene	12.13	119	683418	62.981	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	631494	60.763	ug/l	97
85) sec-Butylbenzene	12.31	105	916013	62.480	ug/l	96
86) p-Isopropyltoluene	12.45	119	753315	61.578	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	349534	59.787	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	360543	64.073	ug/l	99
89) n-Butylbenzene	12.84	91	724401	63.016	ug/l	97
90) Hexachloroethane	12.92	117	186205	66.697	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	348681	64.394	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	23996	70.529	ug/l	72

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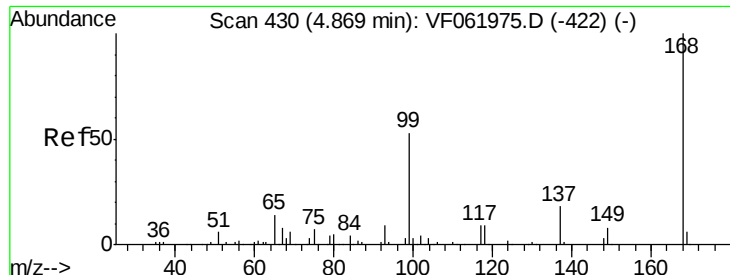
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	244392	64.814	ug/l	97
94) Hexachlorobutadiene	14.19	225	158624	63.368	ug/l	97
95) Naphthalene	14.46	128	488114	71.976	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	241577	69.638	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 262173

Ion Ratio Lower Upper

168 100

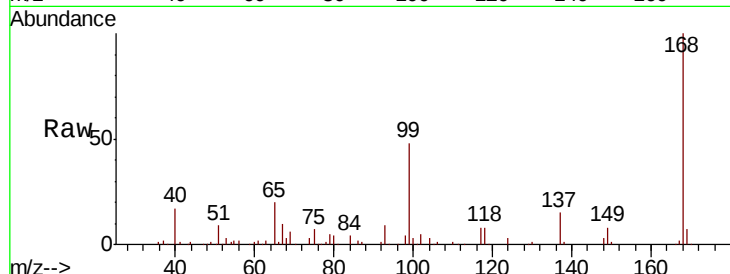
99 48.3 42.4 63.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

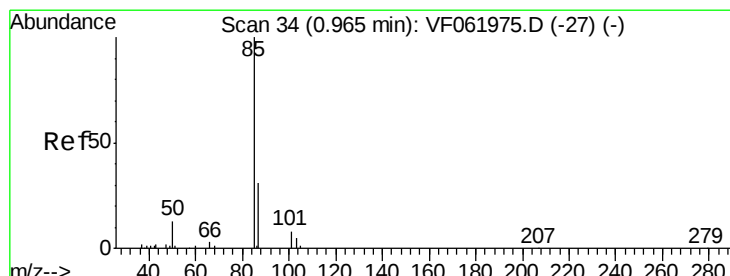
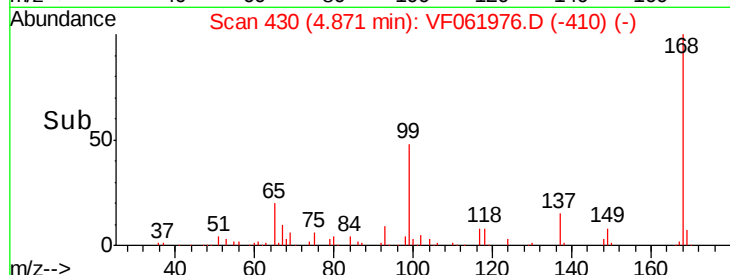
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 62.776 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061976.D

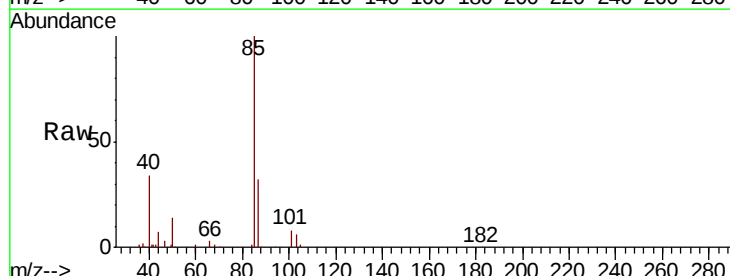
Acq: 16 Mar 2019 13:22

Tgt Ion: 85 Resp: 175449

Ion Ratio Lower Upper

85 100

87 31.6 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

50000

40000

30000

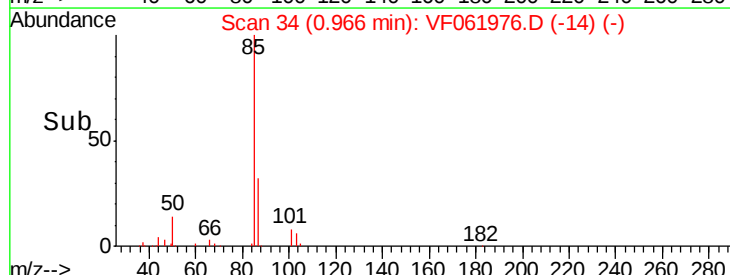
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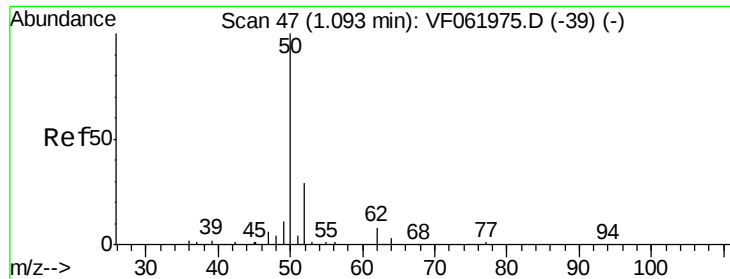
10000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 66.329 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 188387

Ion Ratio Lower Upper

50 100

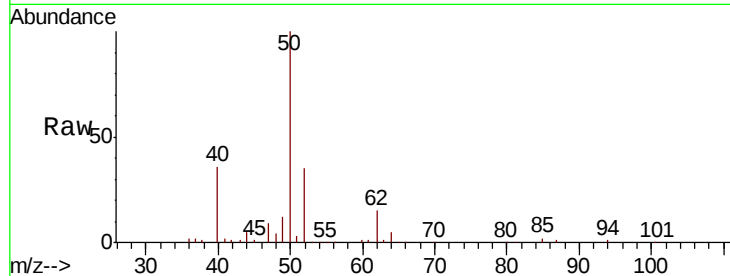
52 35.4 22.6 34.0#

Manual Integrations

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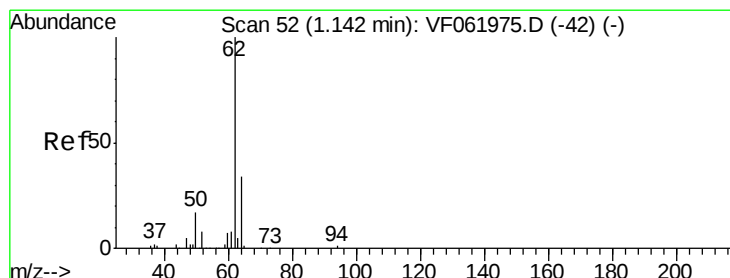
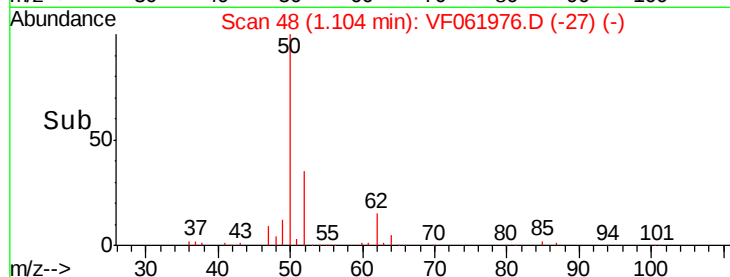
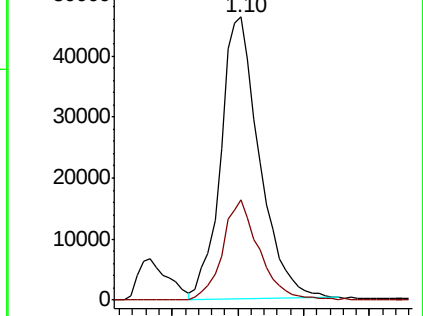
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 67.583 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061976.D

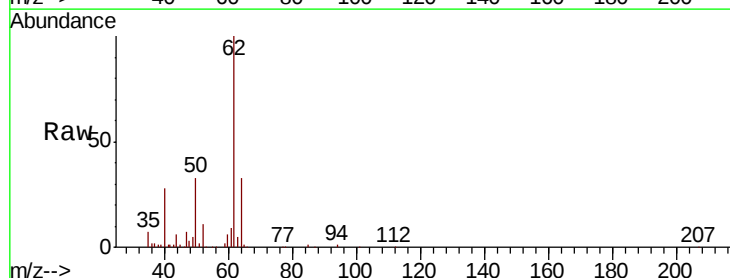
Acq: 16 Mar 2019 13:22

Tgt Ion: 62 Resp: 185644

Ion Ratio Lower Upper

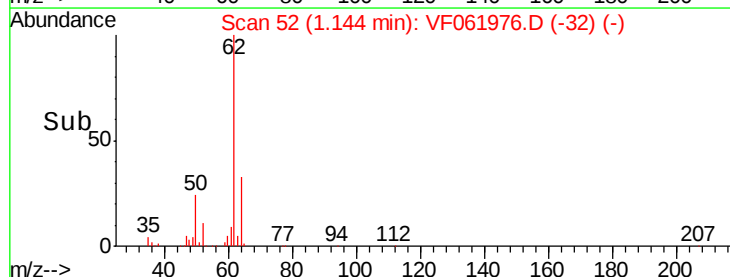
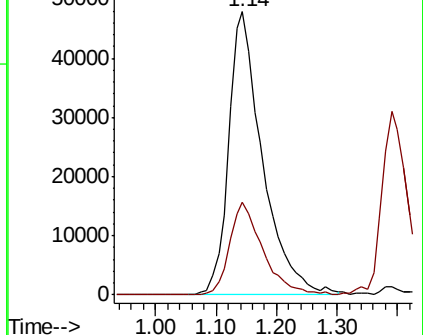
62 100

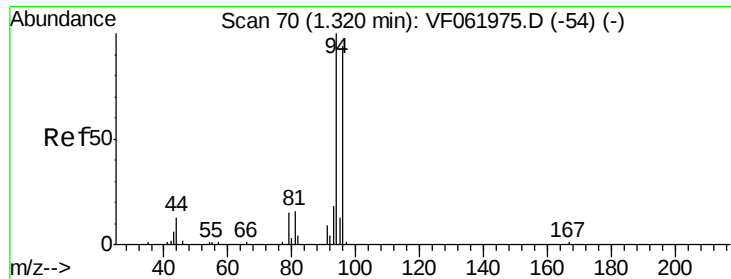
64 32.9 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 62.683 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 120958

Ion Ratio Lower Upper

94 100

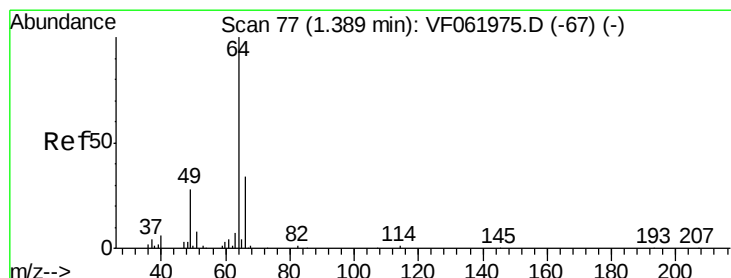
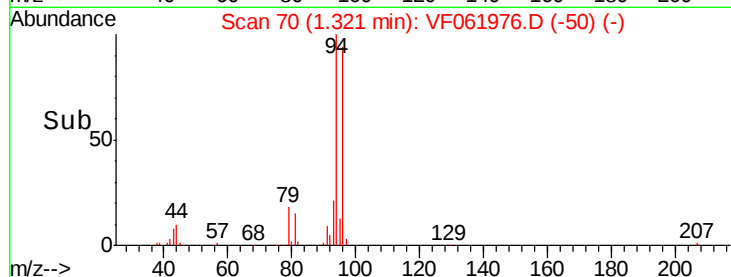
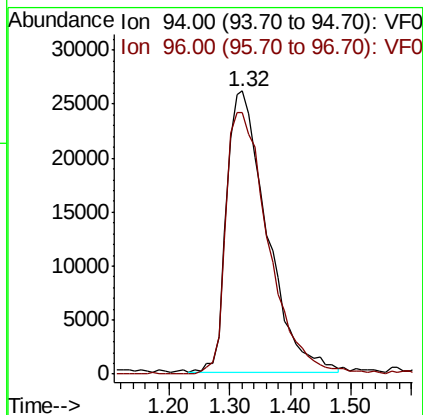
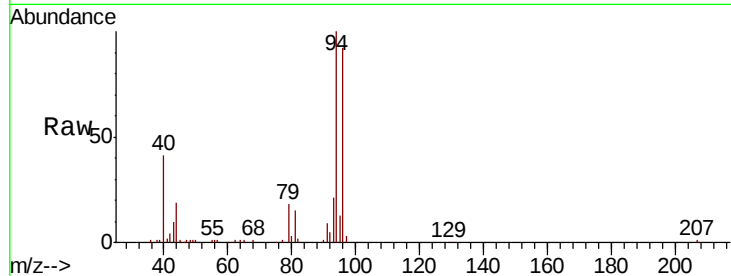
96 92.5 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 67.044 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061976.D

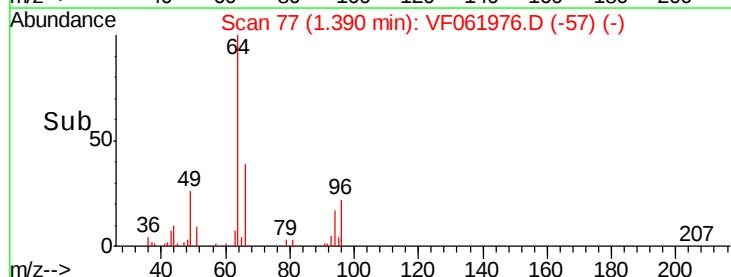
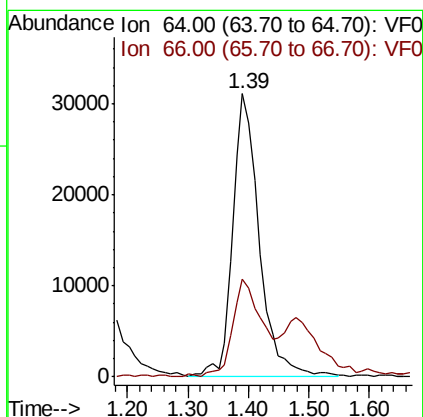
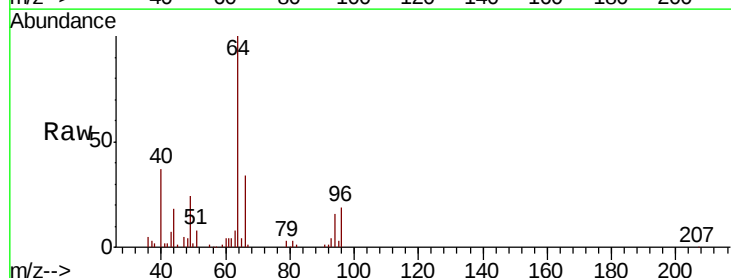
Acq: 16 Mar 2019 13:22

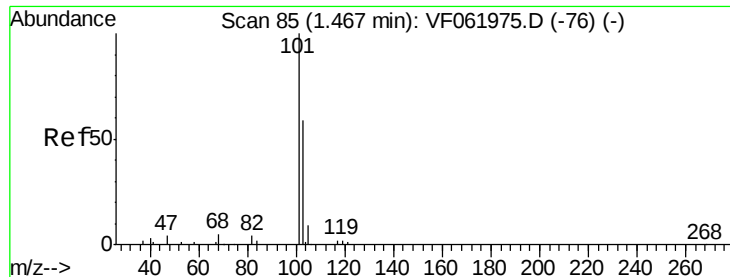
Tgt Ion: 64 Resp: 95072

Ion Ratio Lower Upper

64 100

66 34.4 27.6 41.4





#7

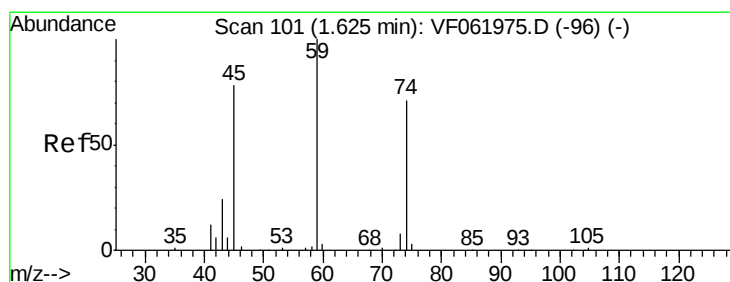
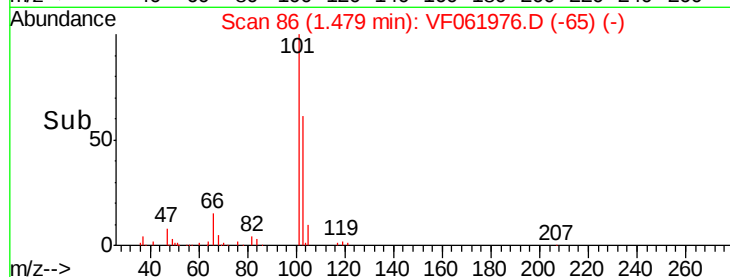
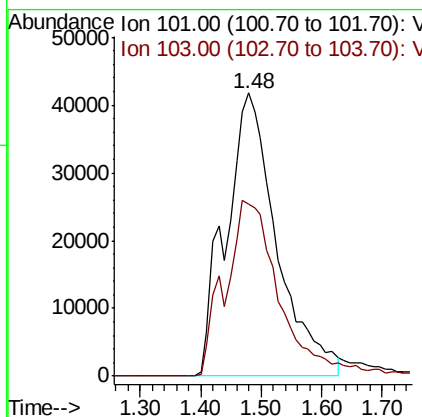
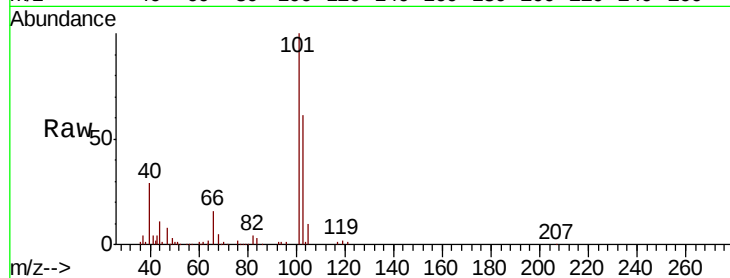
Trichlorofluoromethane
Concen: 67.144 ug/l
RT: 1.48 min Scan# 86
Delta R.T. 0.01 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

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MSVOA_F
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VSTDIC075

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	47.3	70.9

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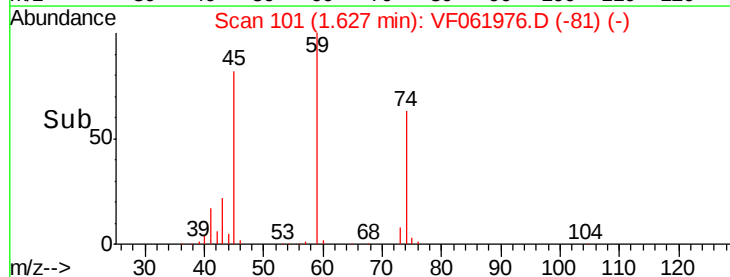
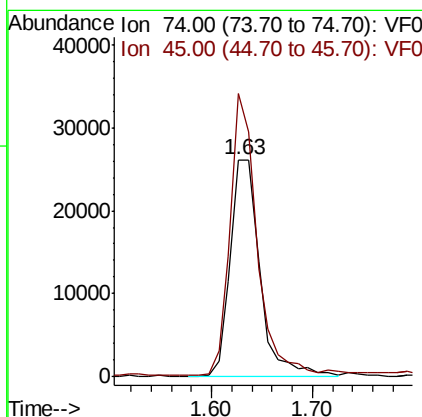
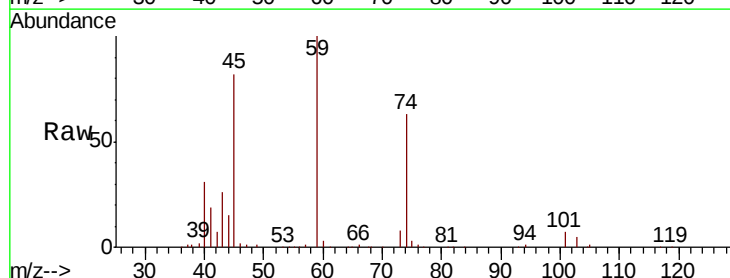
MMDadoda
3/22/2019 6:19:03 PM

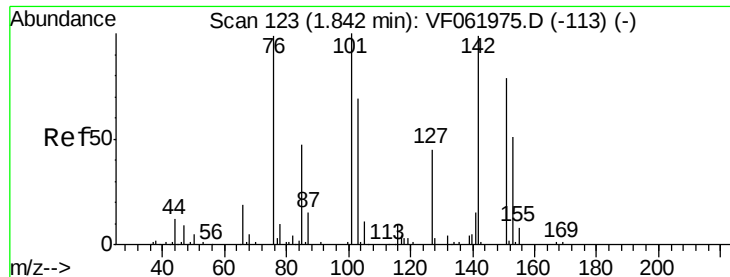


#8

Diethyl Ether
Concen: 66.608 ug/l
RT: 1.63 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	130.2	56.3	168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.028 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

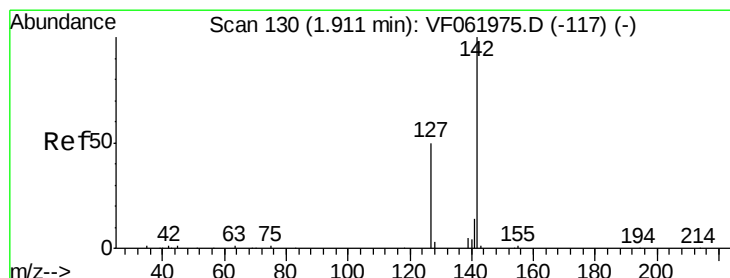
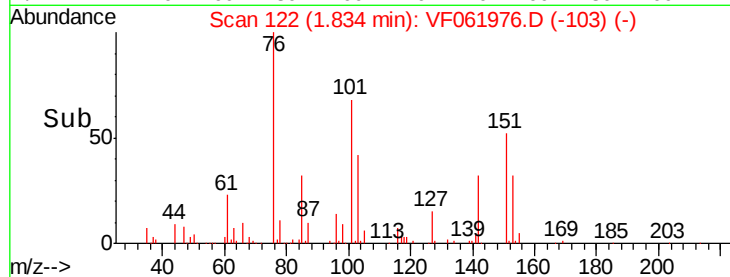
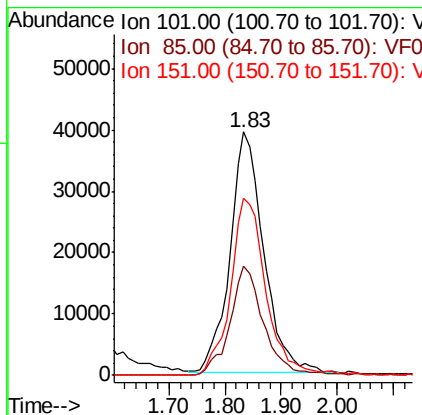
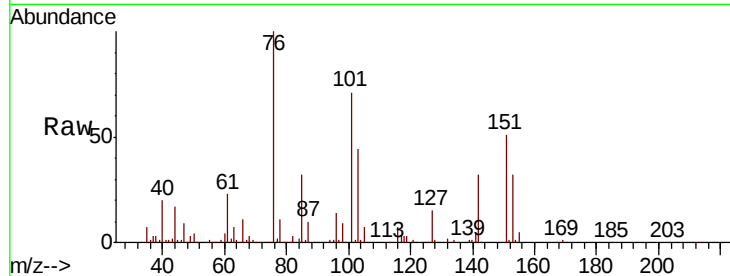
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	164169
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.8	55.2
151	72.5	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 67.701 ug/l m

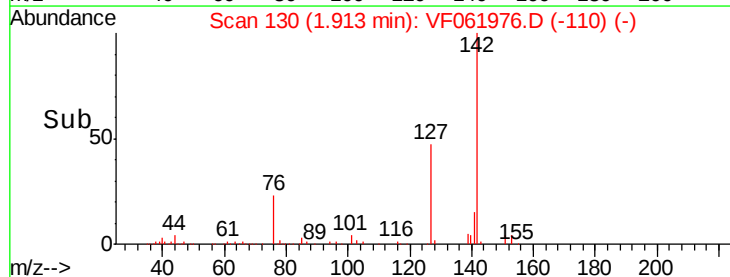
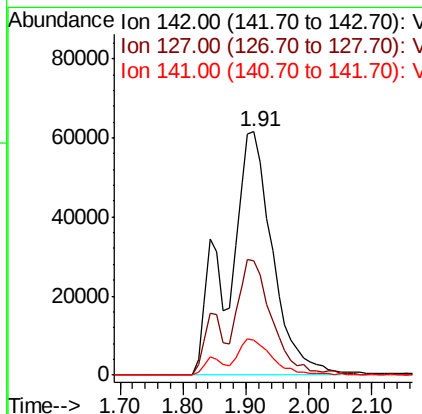
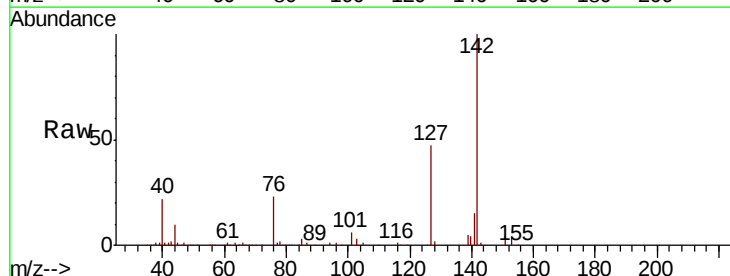
RT: 1.91 min Scan# 130

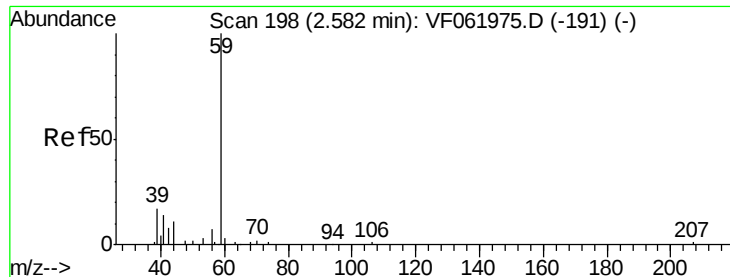
Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion:	142	Resp:	303815
Ion Ratio	Lower	Upper	
142	100		
127	46.8	39.7	59.5
141	14.5	10.8	16.2





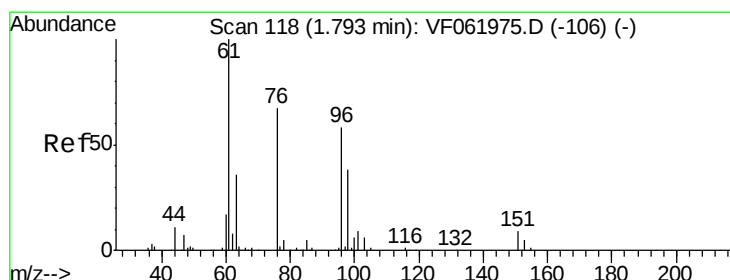
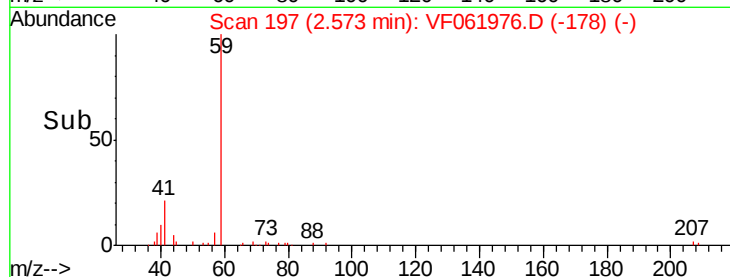
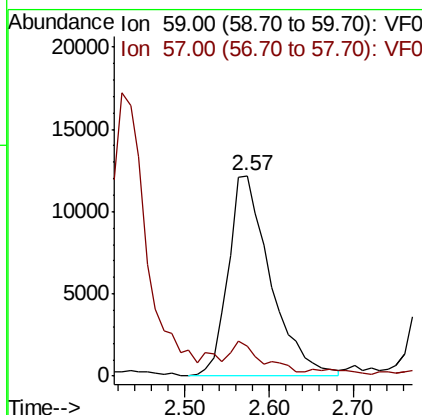
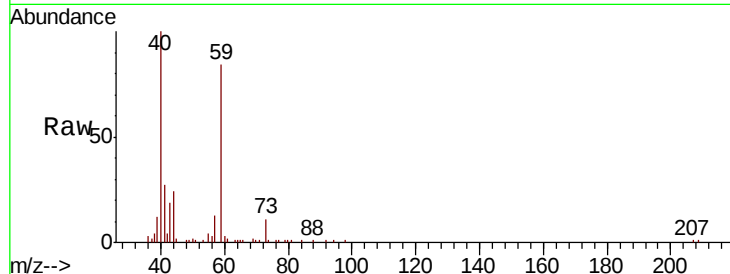
#11
Tert butyl alcohol
Concen: 369.741 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 59 Resp: 42698
Ion Ratio Lower Upper
59 100
57 15.1 8.7 13.1#

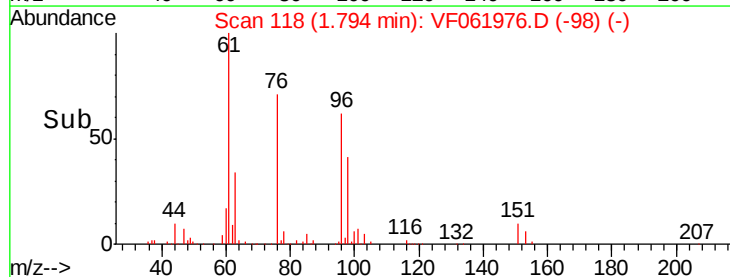
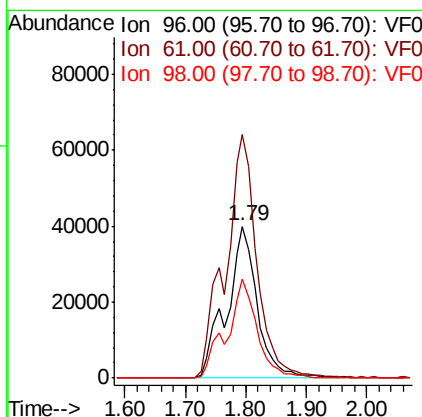
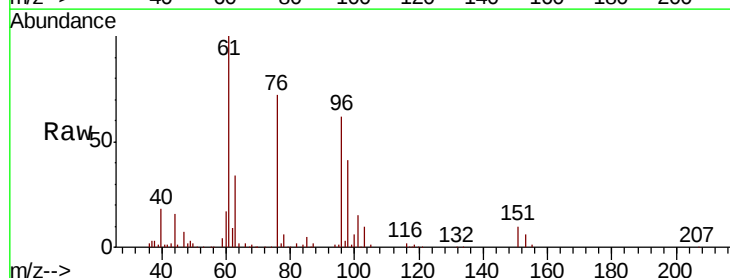
Manual Integrations
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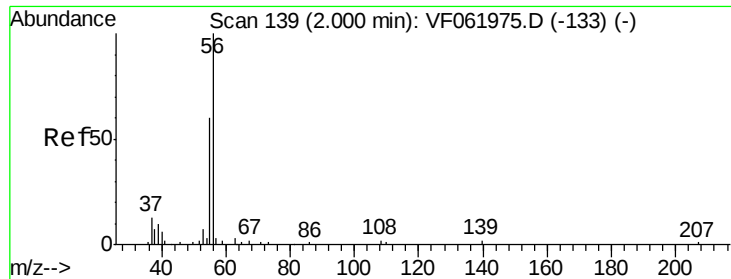
MMDadoda
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#12
1,1-Dichloroethene
Concen: 62.725 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion: 96 Resp: 138794
Ion Ratio Lower Upper
96 100
61 160.1 138.6 208.0
98 65.5 53.2 79.8





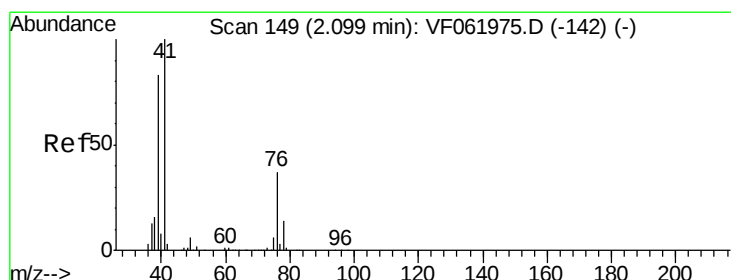
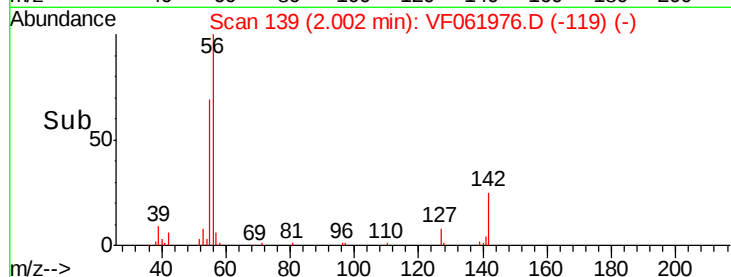
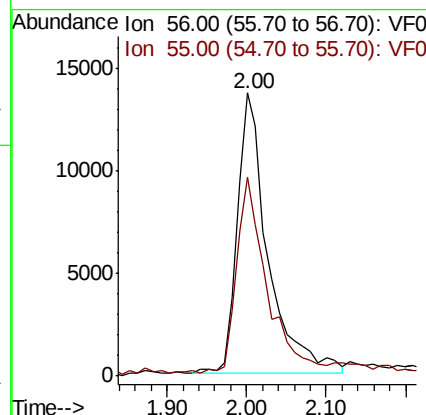
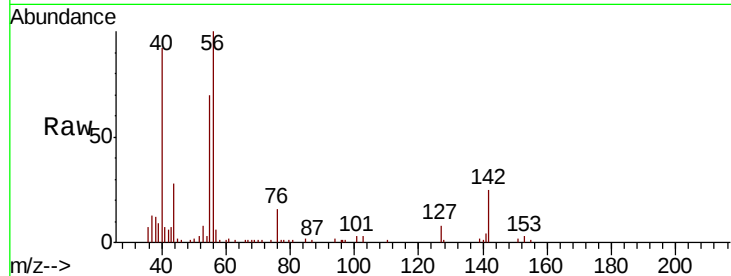
#13
Acrolein
Concen: 297.582 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	56	Resp	37098
Ion Ratio	100	Lower	Upper
55	70.5	49.1	73.7

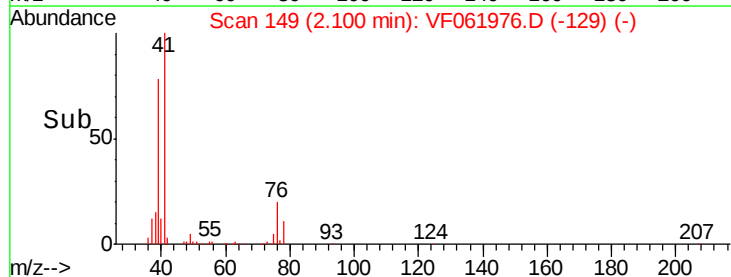
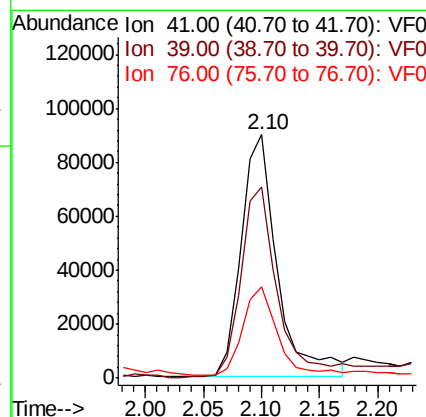
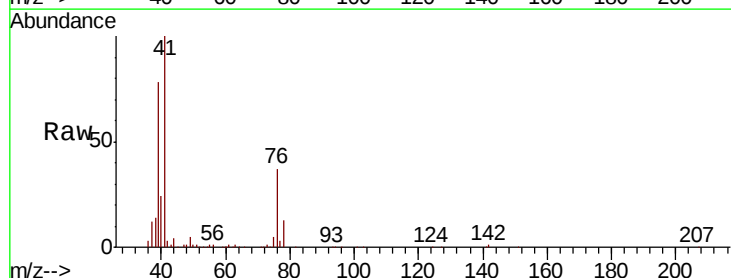
Manual Integrations
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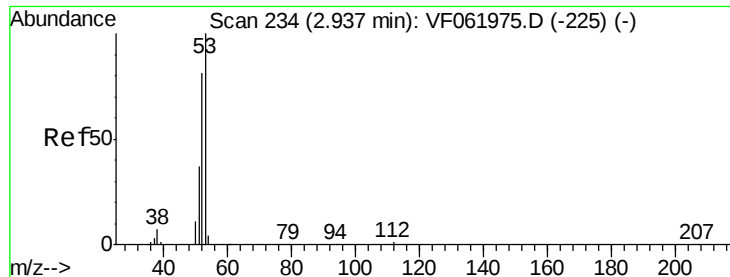
MMDadoda
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#14
Allyl chloride
Concen: 68.611 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	41	Resp	193795
Ion Ratio	100	Lower	Upper
39	78.5	66.8	100.2
76	37.4	31.1	46.7





#15

Acrylonitrile

Concen: 358.930 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

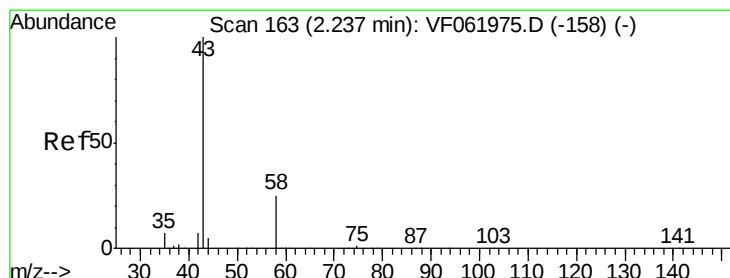
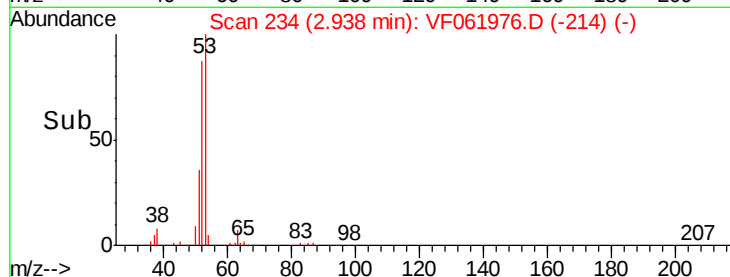
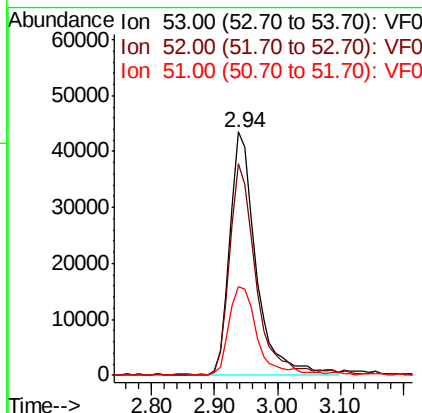
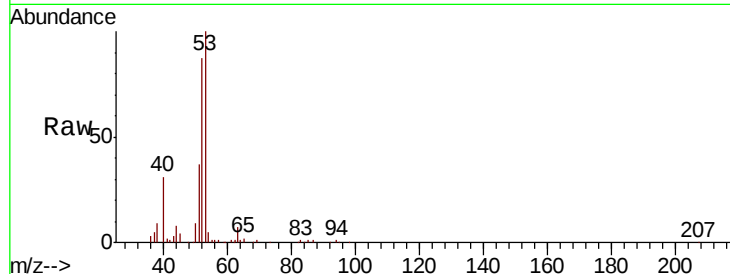
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	126046
Ion	Ratio	Lower	Upper
53	100		
52	86.7	64.4	96.6
51	36.5	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 397.830 ug/l

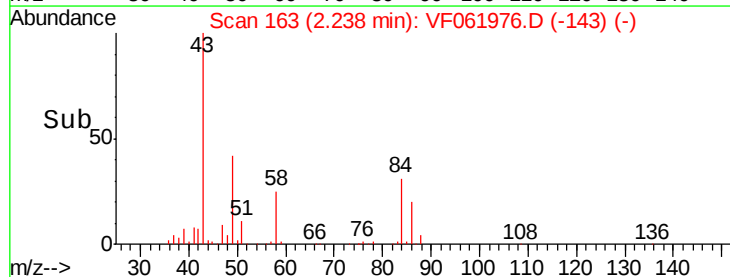
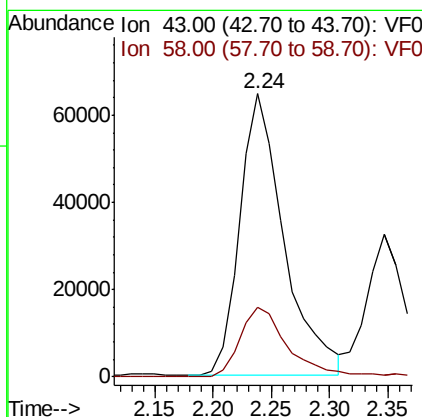
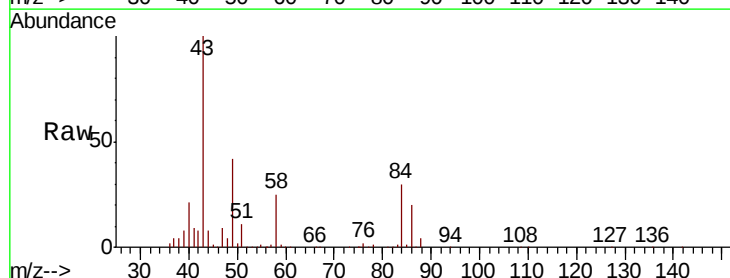
RT: 2.24 min Scan# 163

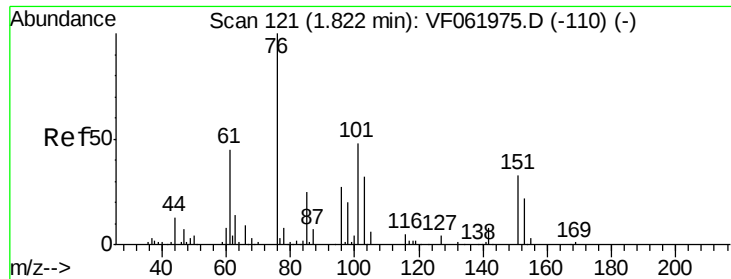
Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion:	43	Resp:	168594
Ion	Ratio	Lower	Upper
43	100		
58	24.7	19.9	29.9





#17

Carbon Disulfide

Concen: 64.602 ug/l m

RT: 1.80 min Scan# 119

Delta R.T. -0.02 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 413413

Ion Ratio Lower Upper

76 100

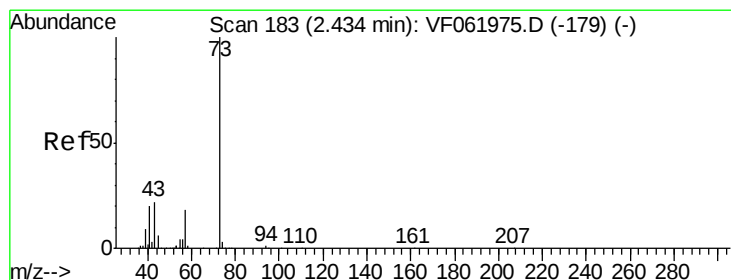
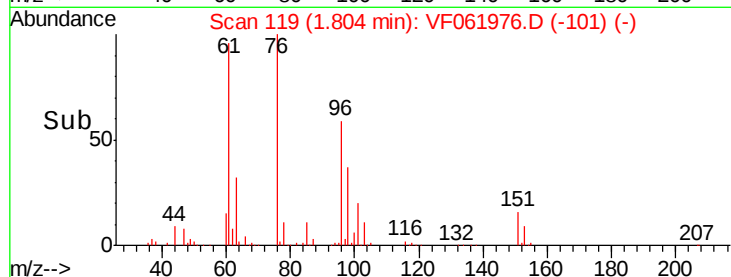
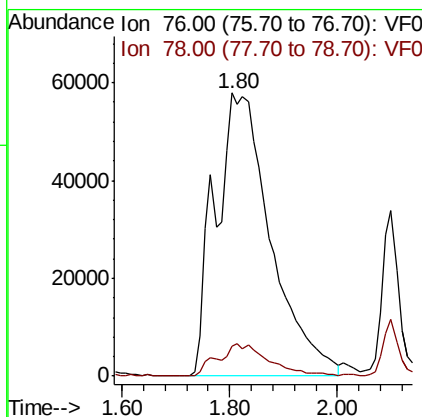
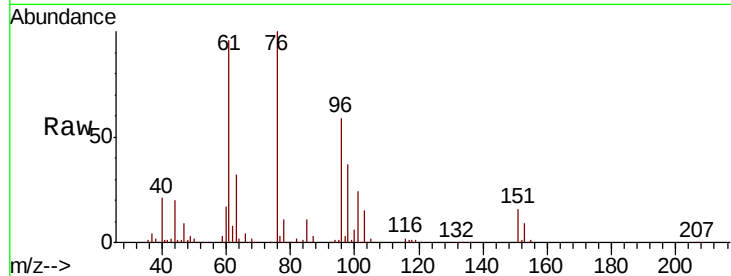
78 10.6 6.8 10.2#

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#18

Methyl Acetate

Concen: 75.446 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF061976.D

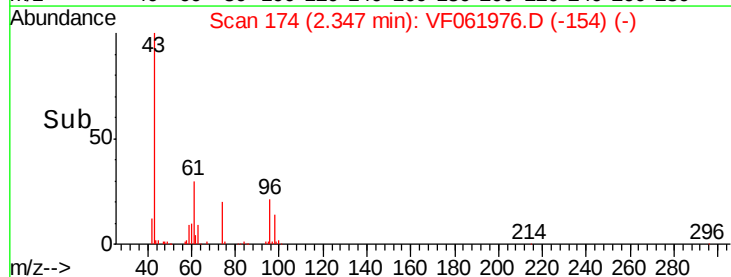
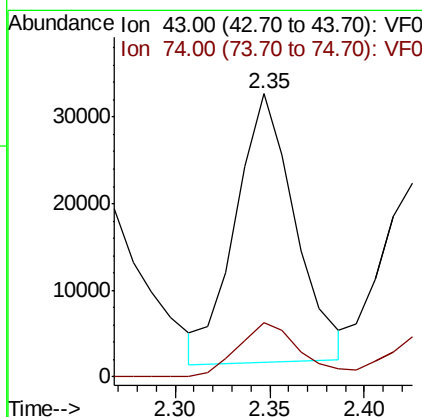
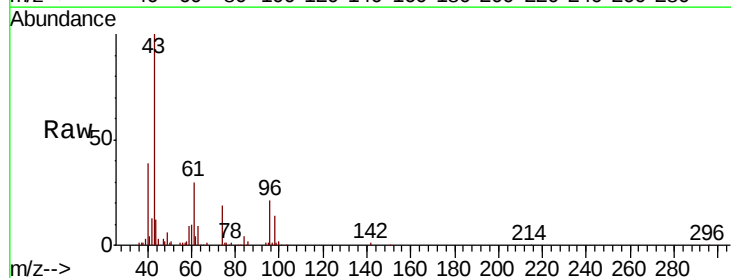
Acq: 16 Mar 2019 13:22

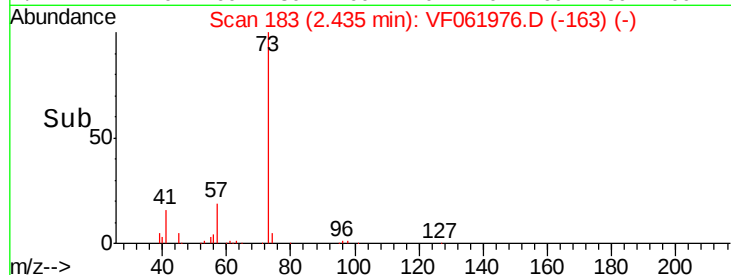
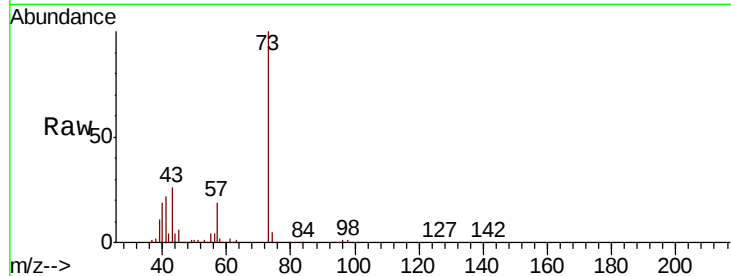
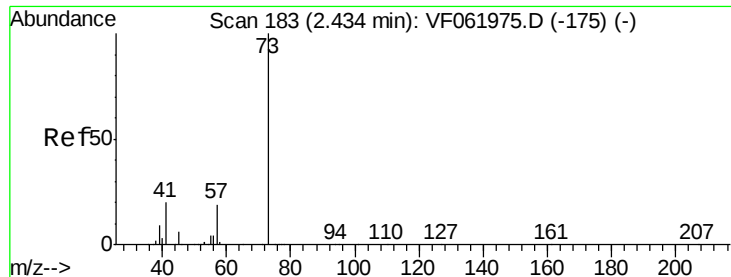
Tgt Ion: 43 Resp: 67915

Ion Ratio Lower Upper

43 100

74 19.3 18.3 27.5





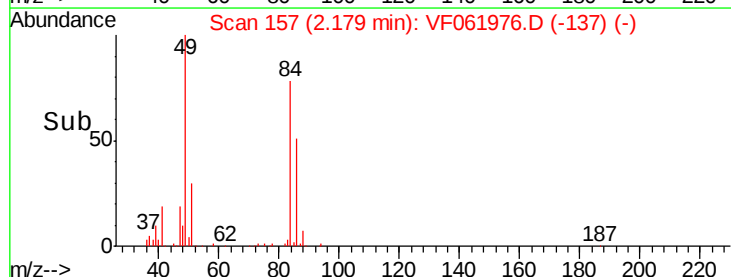
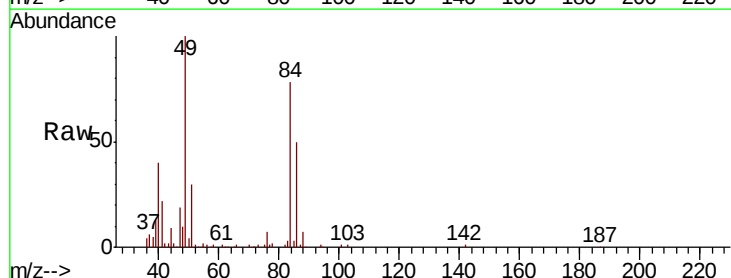
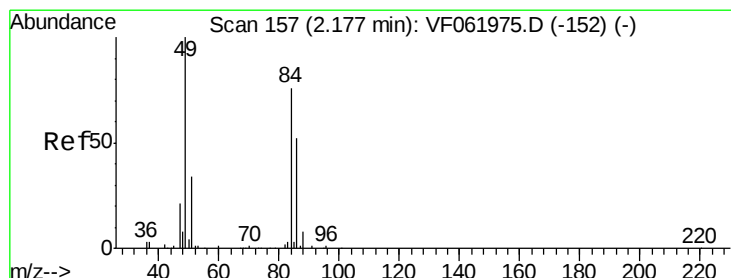
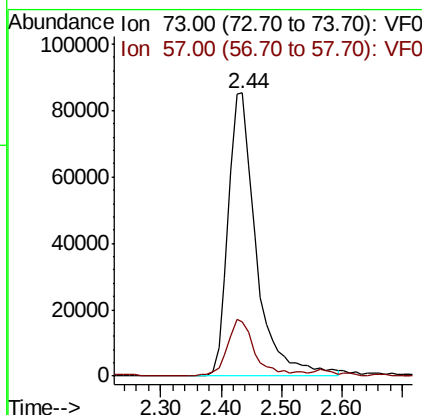
#19
Methyl tert-butyl Ether
Concen: 68.677 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	15.3	22.9

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

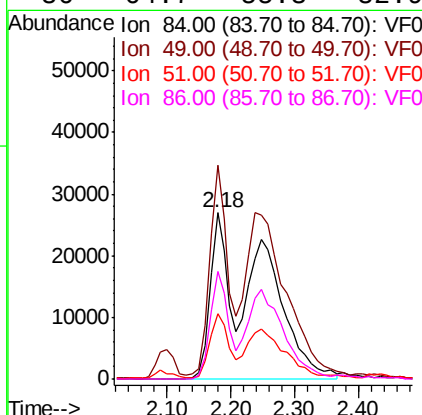
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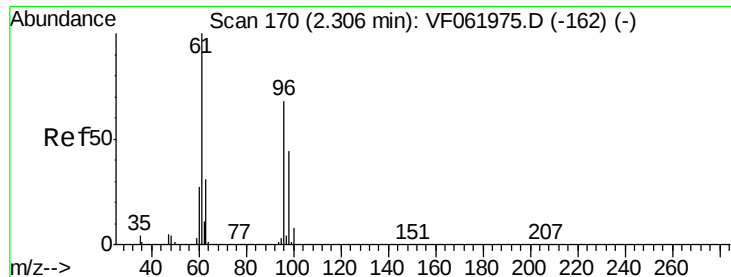
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#20
Methylene Chloride
Concen: 65.958 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.6	107.0	160.6
51	39.0	37.2	55.8
86	64.7	55.3	82.9





#21

trans-1,2-Dichloroethene

Concen: 64.258 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

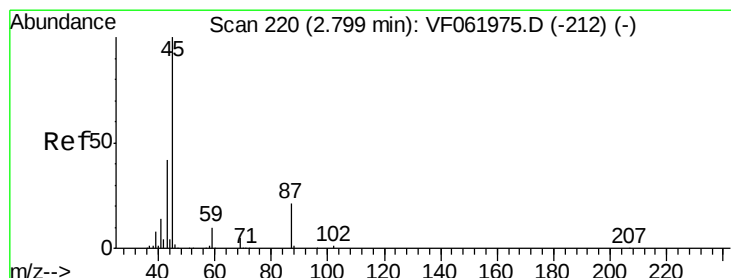
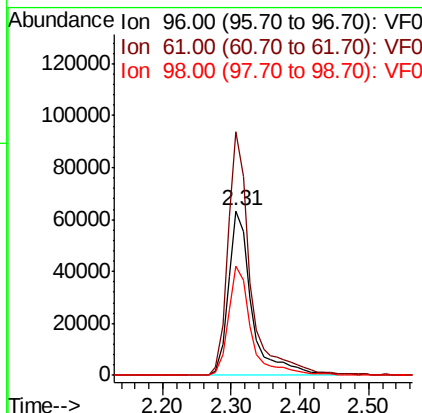
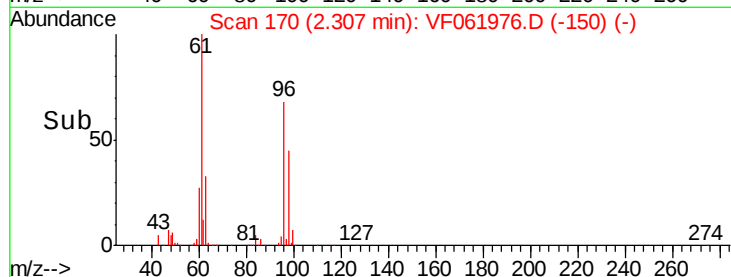
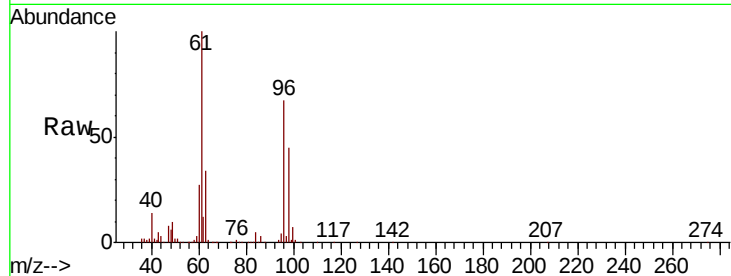
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	148381
Ion	Ratio	Lower	Upper
96	100		
61	148.2	117.4	176.2
98	66.3	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 65.932 ug/l

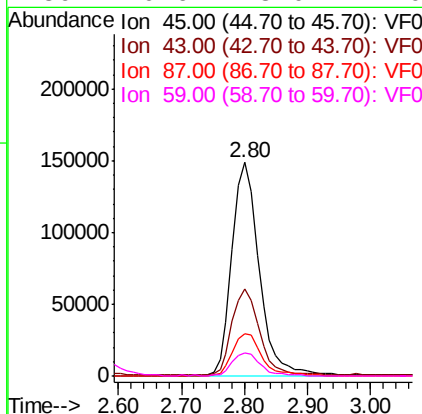
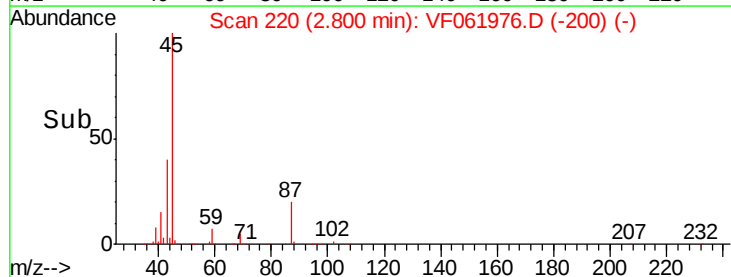
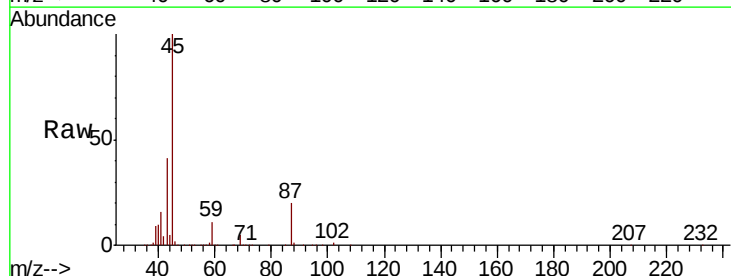
RT: 2.80 min Scan# 220

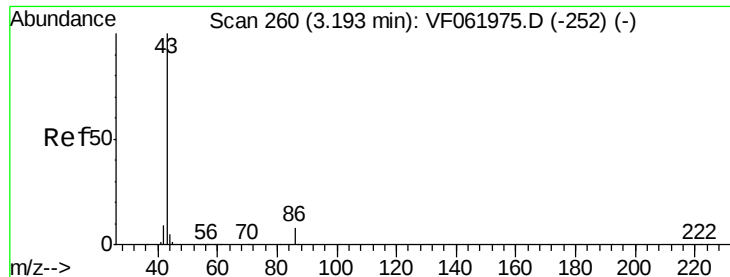
Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion:	45	Resp:	447945
Ion	Ratio	Lower	Upper
45	100		
43	40.6	33.7	50.5
87	19.9	17.1	25.7
59	10.6	8.0	12.0





#23

Vinyl Acetate

Concen: 365.074 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 977766

Ion Ratio Lower Upper

43 100

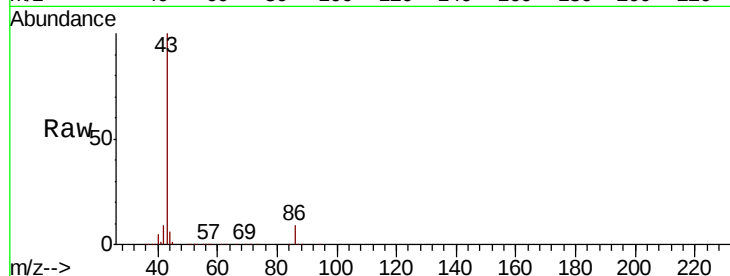
86 8.9 6.5 9.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

400000

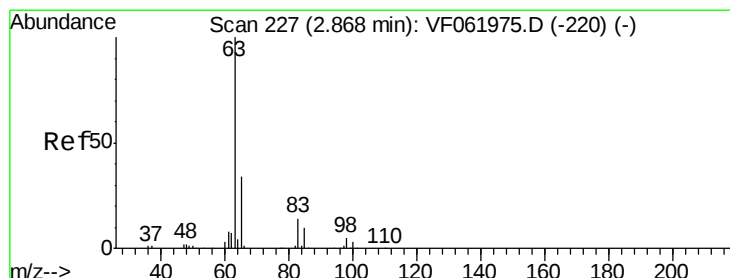
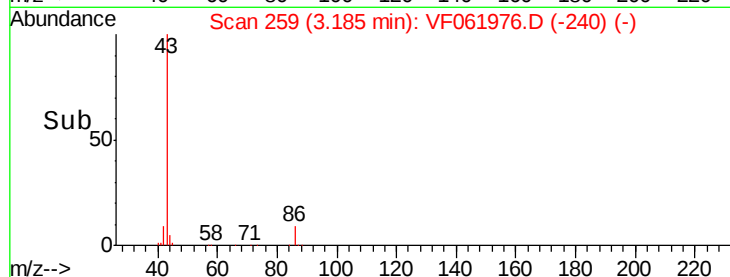
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 66.923 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

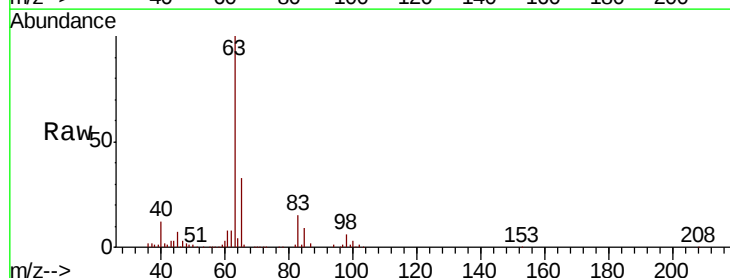
Tgt Ion: 63 Resp: 264376

Ion Ratio Lower Upper

63 100

98 5.5 2.7 8.1

100 3.3 1.7 5.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

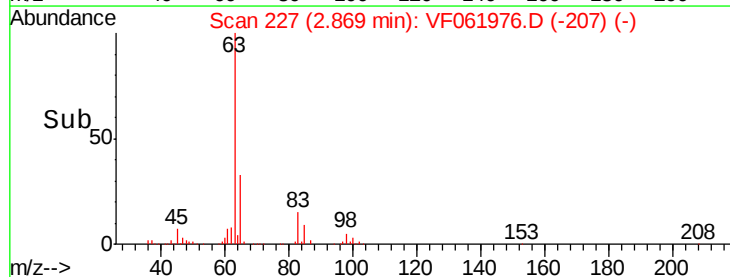
2.87

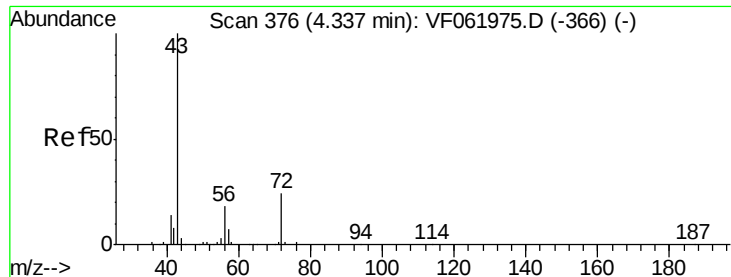
100000

50000

0

Time-->





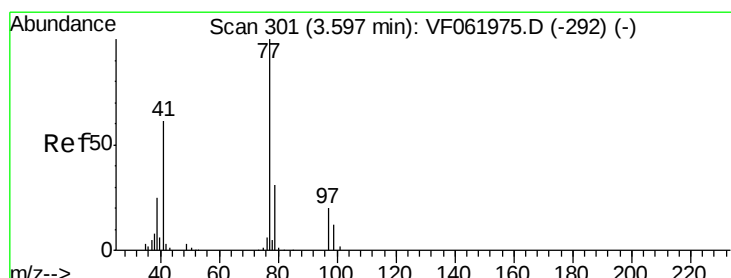
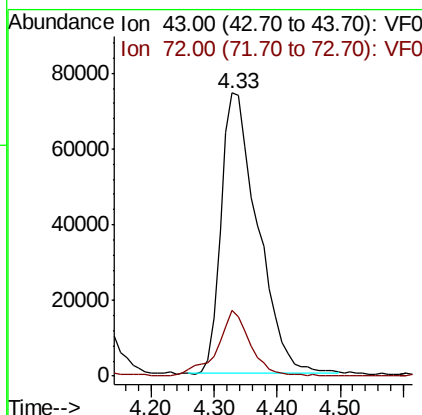
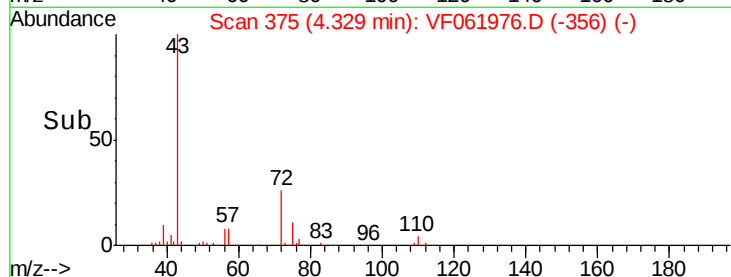
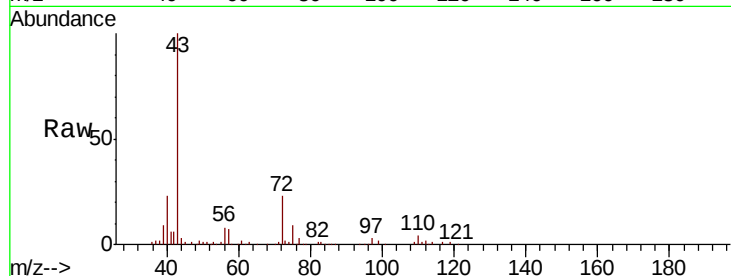
#25
2-Butanone
Concen: 357.854 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.01 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 300343
Ion Ratio Lower Upper
43 100
72 23.3 19.8 29.6

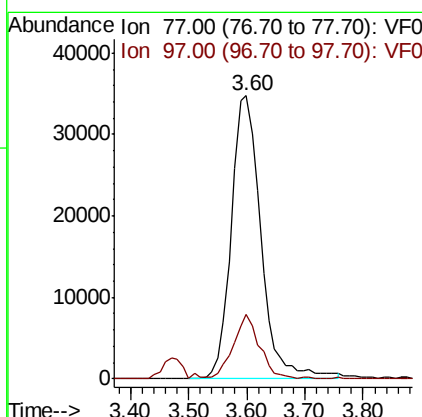
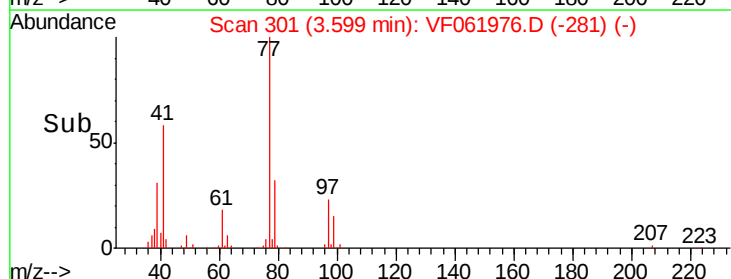
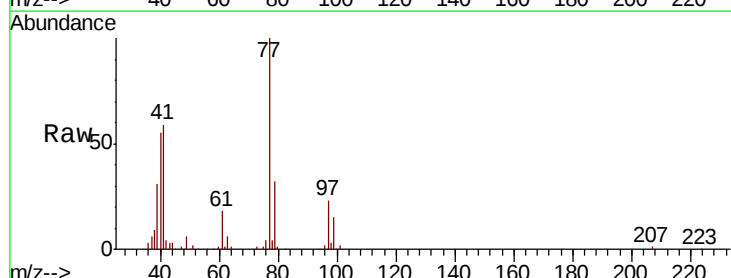
Manual Integrations
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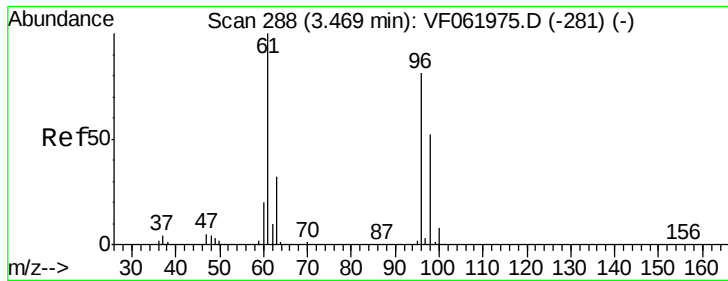
MMDadoda
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#26
2,2-Dichloropropane
Concen: 66.410 ug/l
RT: 3.60 min Scan# 301
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion: 77 Resp: 123747
Ion Ratio Lower Upper
77 100
97 22.6 10.8 32.4





#27

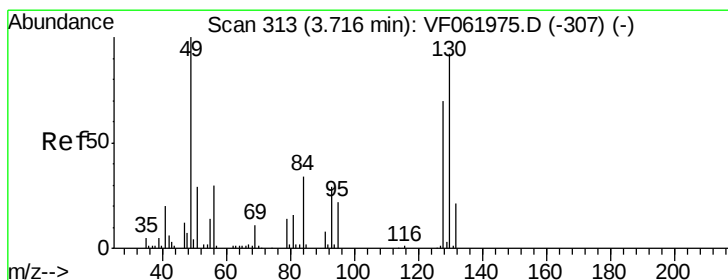
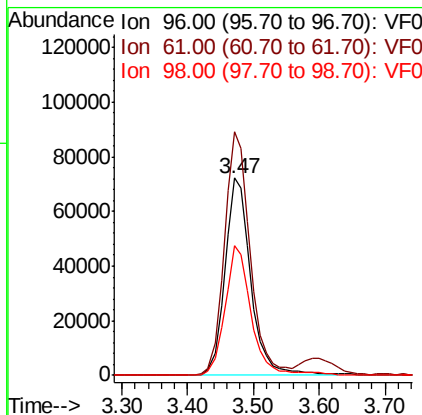
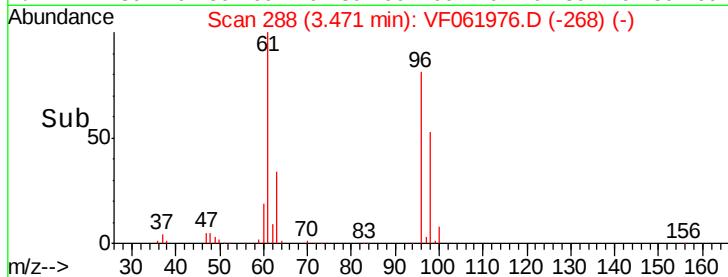
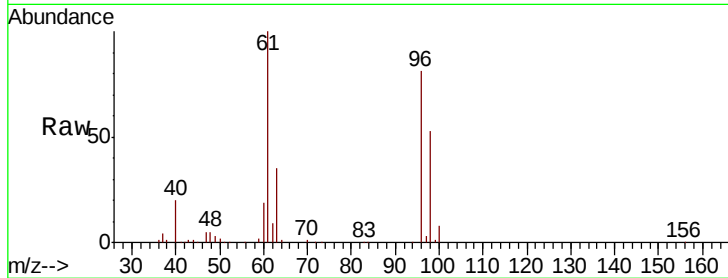
cis-1,2-Dichloroethene
Concen: 67.983 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	197863		
61	123.6	0.0	246.6	
98	65.6	0.0	129.2	

Manual Integrations
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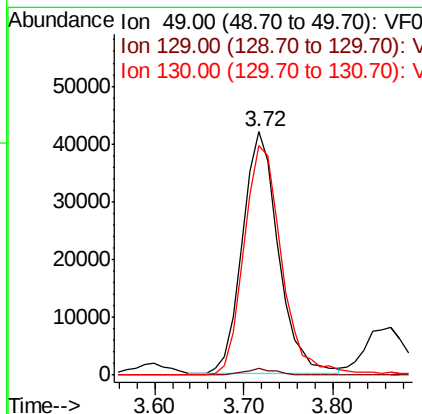
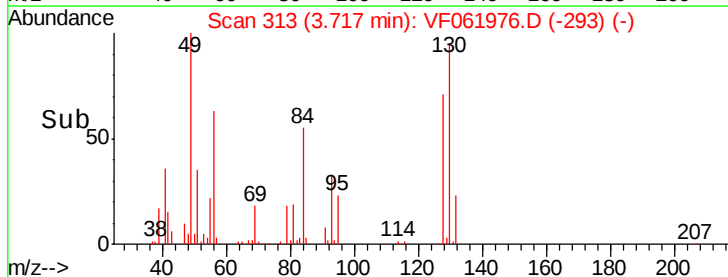
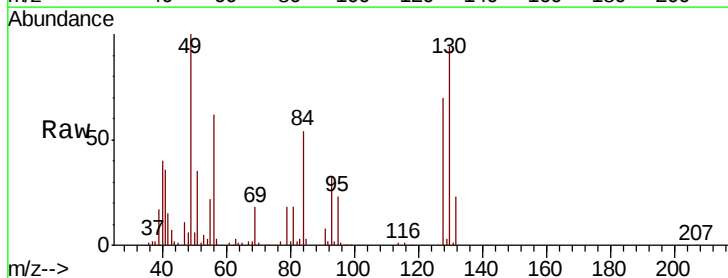
MMDadoda
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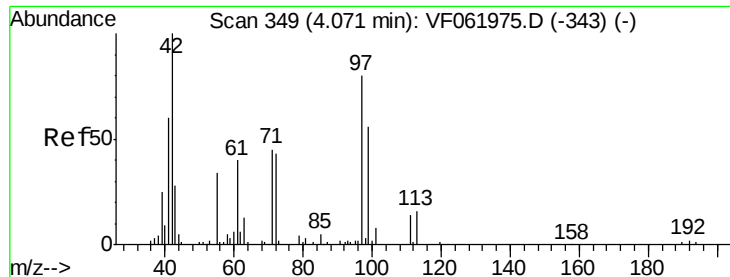


#28

Bromochloromethane
Concen: 71.509 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	117217		
129	3.0	0.0	5.8	
130	94.2	73.1	109.7	





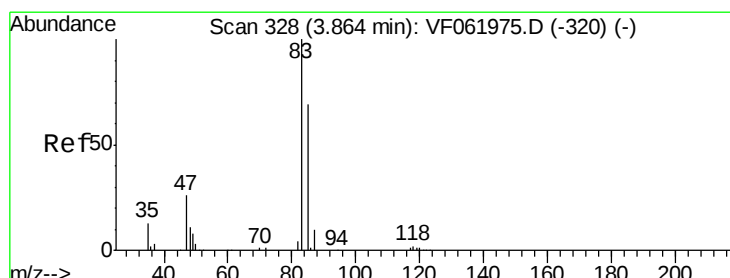
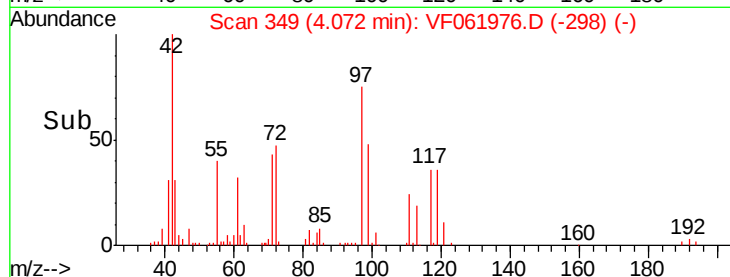
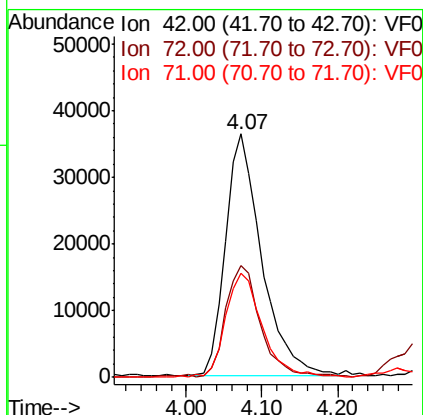
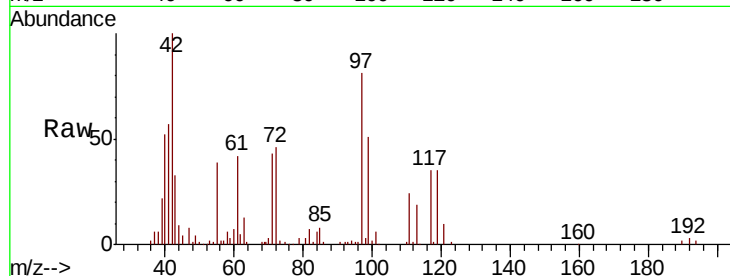
#29
Tetrahydrofuran
Concen: 331.110 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	34.0	51.0
71	43.8	34.2	51.4

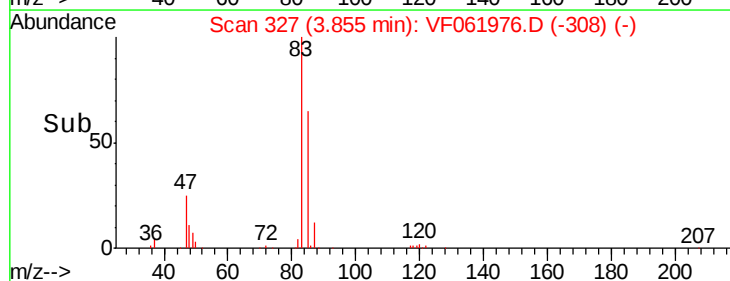
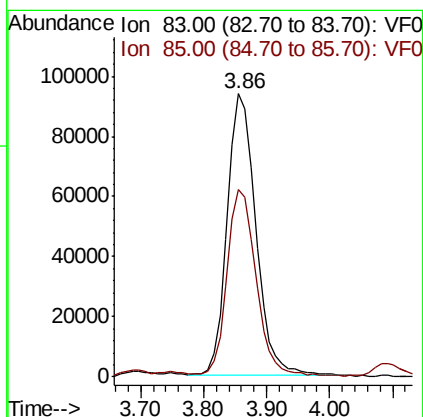
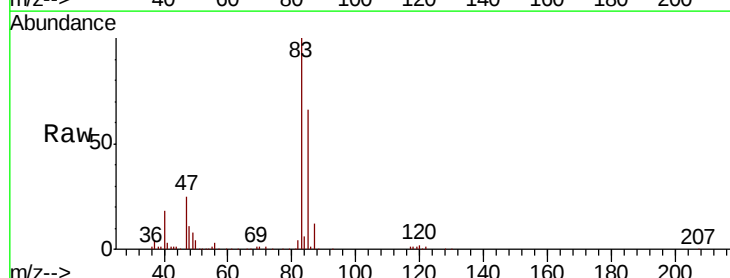
Manual Integrations
APPROVED

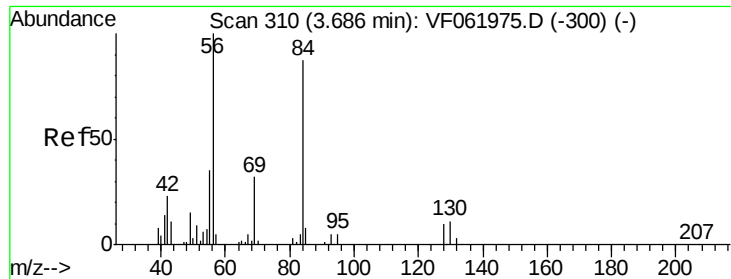
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#30
Chloroform
Concen: 65.320 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	55.5	83.3





#31

Cyclohexane

Concen: 64.496 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

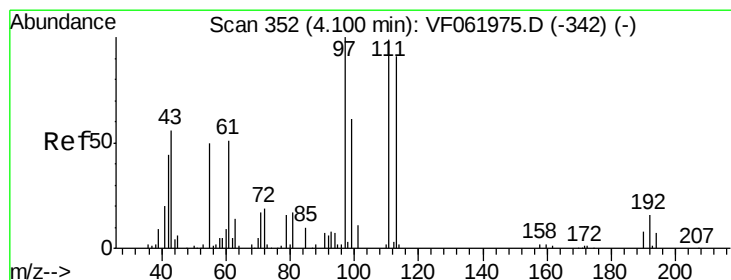
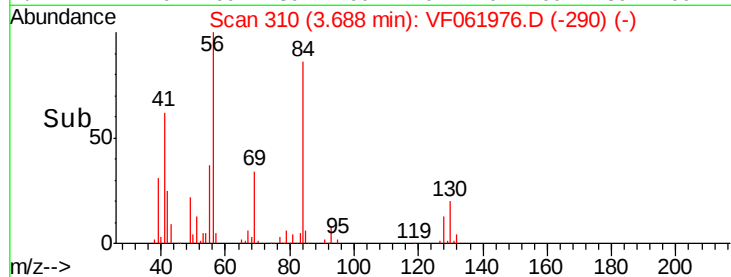
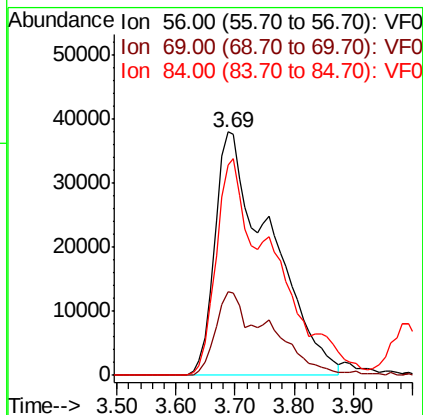
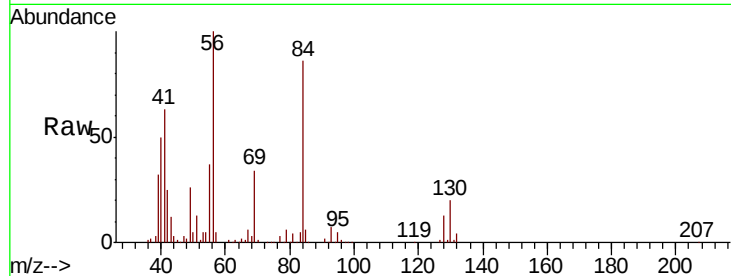
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	249626
Ion	Ratio	Lower	Upper
56	100		
69	34.2	25.8	38.8
84	86.4	69.5	104.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 65.642 ug/l

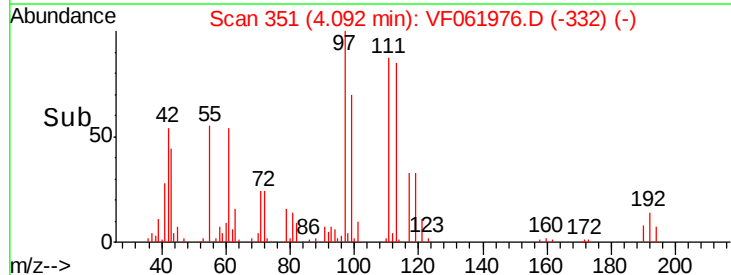
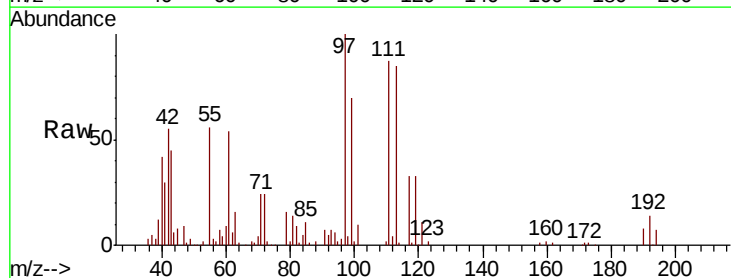
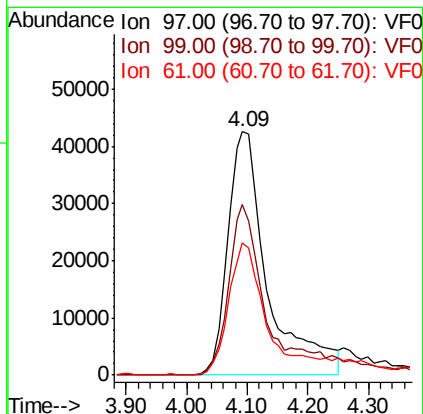
RT: 4.09 min Scan# 351

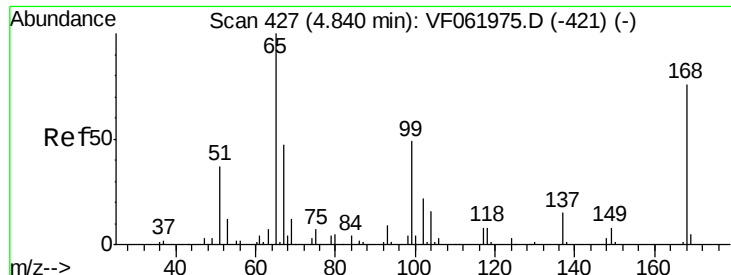
Delta R.T. -0.01 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion:	97	Resp:	195124
Ion	Ratio	Lower	Upper
97	100		
99	69.9	49.0	73.4
61	54.1	41.4	62.0





#33

1,2-Dichloroethane-d4

Concen: 77.817 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tot Ion: 65 Resp: 146859

Ion Ratio Lower Upper

65 100

67 55.7 0.0 109.4

Instrument :

MSVOA_F

ClientSampleId :

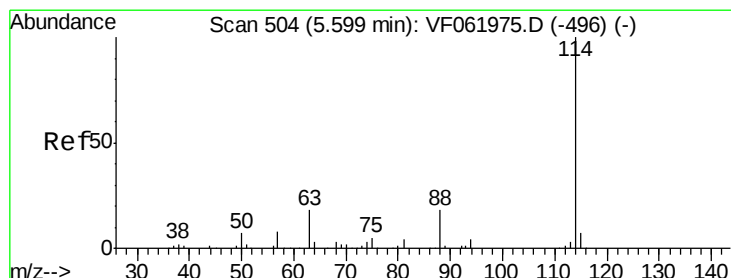
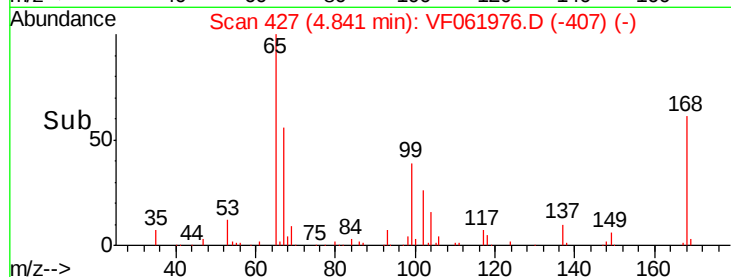
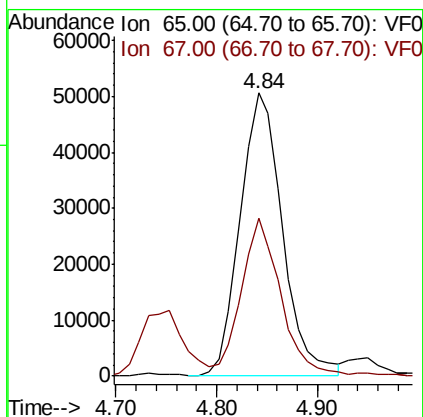
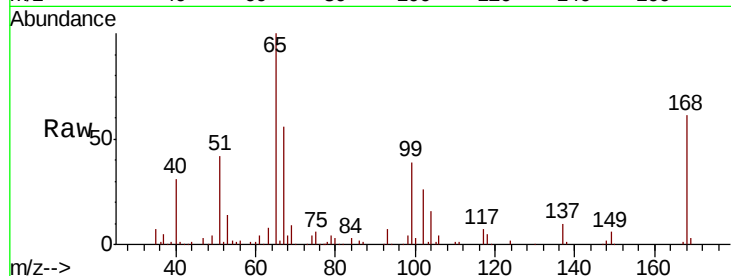
VSTDIC075

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

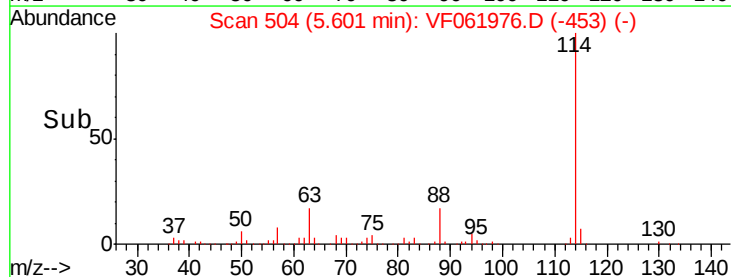
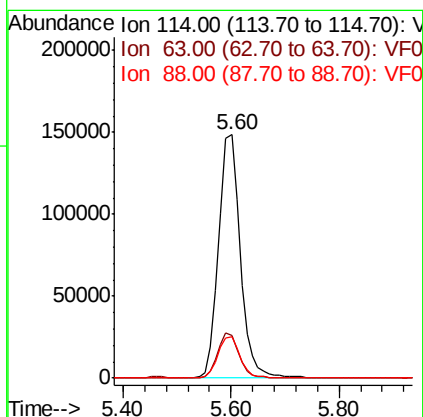
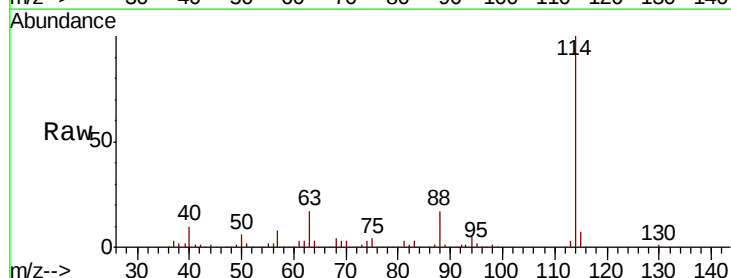
Tgt Ion: 114 Resp: 415330

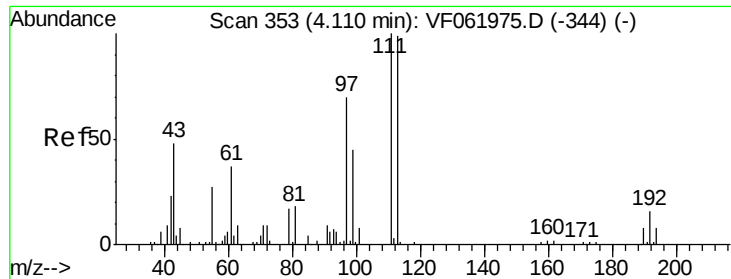
Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.4

88 17.0 0.0 36.4





#35

Dibromofluoromethane

Concen: 70.273 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

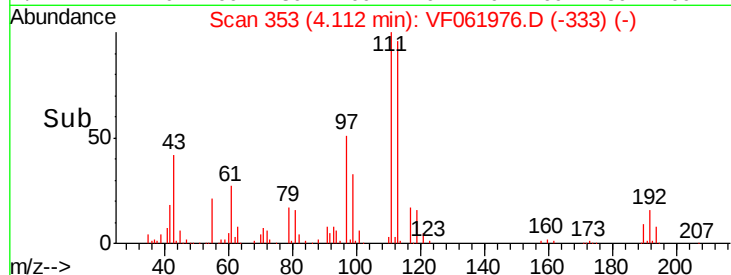
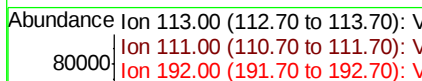
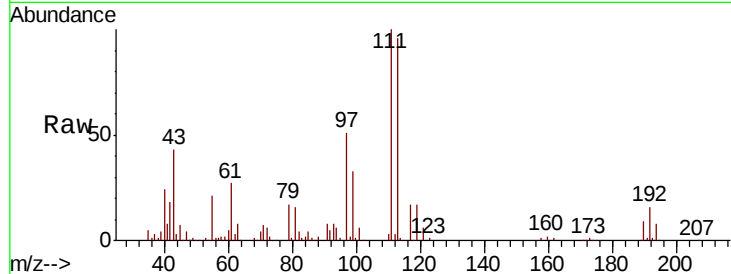
ClientSampleId :

VSTDIC075

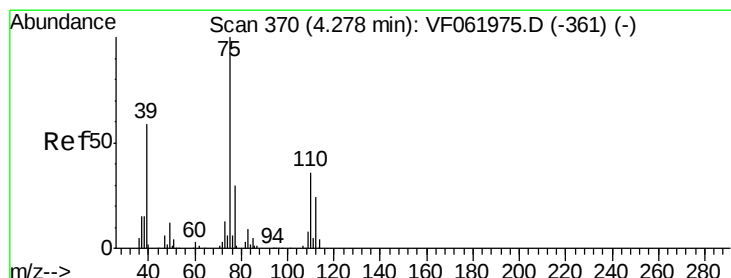
Tot Ion:	113	Resp:	195993
Ion Ratio	Lower	Upper	
113	100		
111	104.6	80.8	121.2
192	17.2	13.0	19.6

Manual Integrations
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Time-->



#36

1,1-Dichloropropene

Concen: 64.614 ug/l

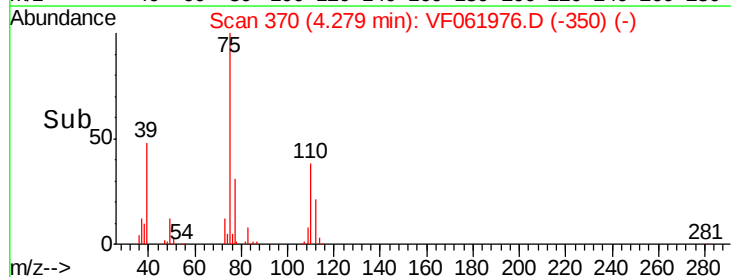
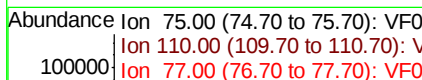
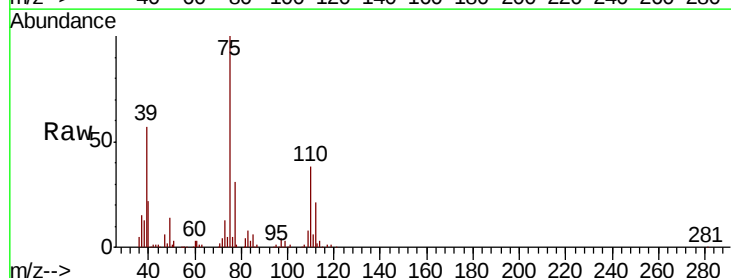
RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

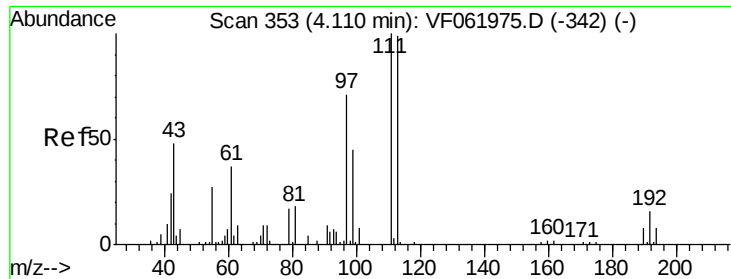
Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion:	75	Resp:	242344
Ion Ratio	Lower	Upper	
75	100		
110	37.6	17.8	53.3
77	30.7	24.2	36.2



Time-->



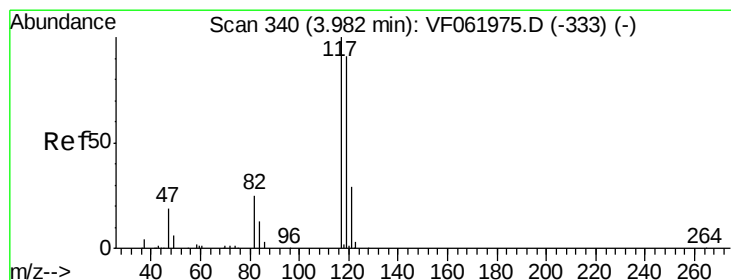
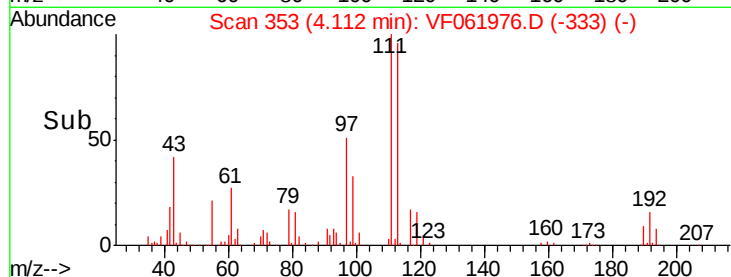
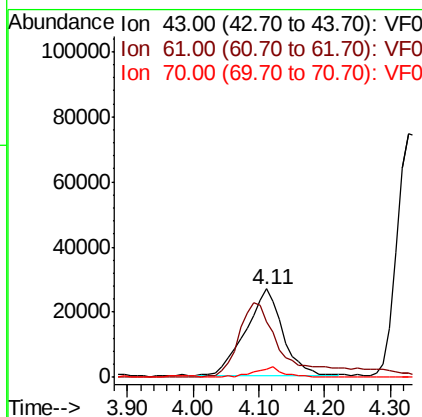
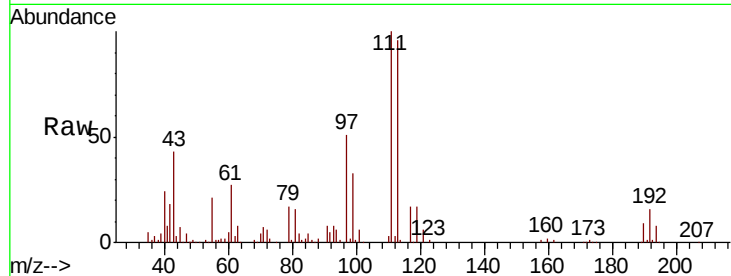
#37
Ethyl Acetate
Concen: 62.843 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampled :
VSTDIC075

Tot Ion	43	61	70	Ratio	Lower	Upper
105832	100	62.7	9.1		59.8	11.8

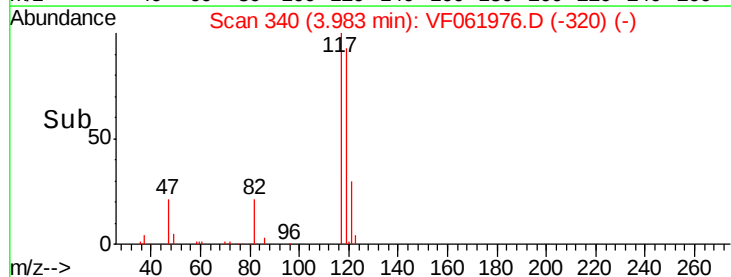
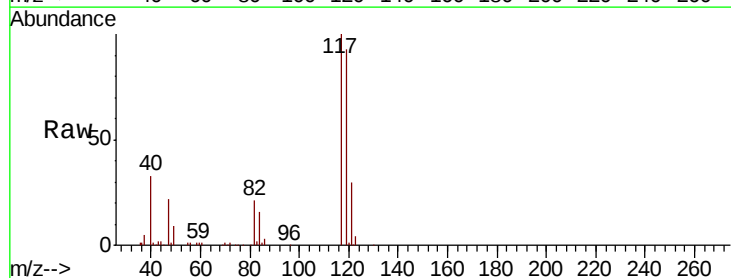
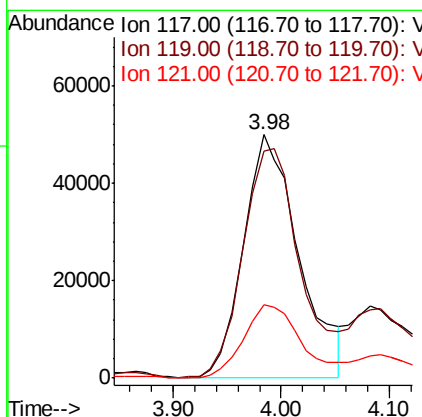
Manual Integrations
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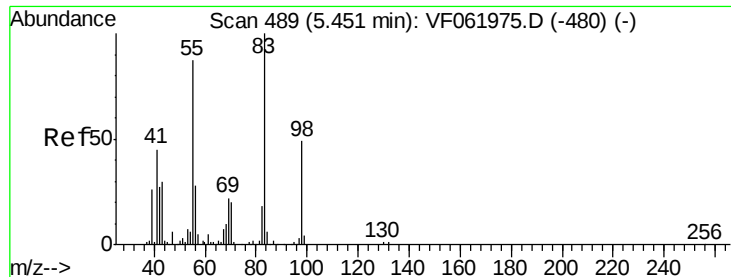
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#38
Carbon Tetrachloride
Concen: 64.910 ug/l
RT: 3.98 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	117	119	121	Ratio	Lower	Upper
177923	100	93.1	30.3		73.0	34.6





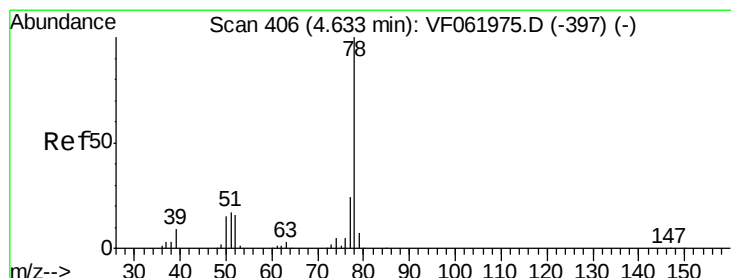
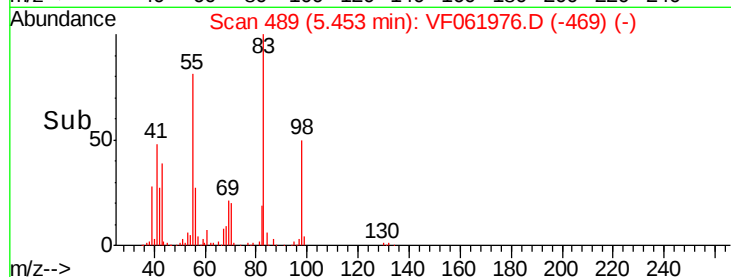
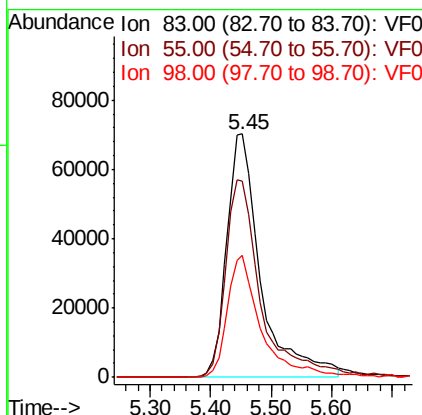
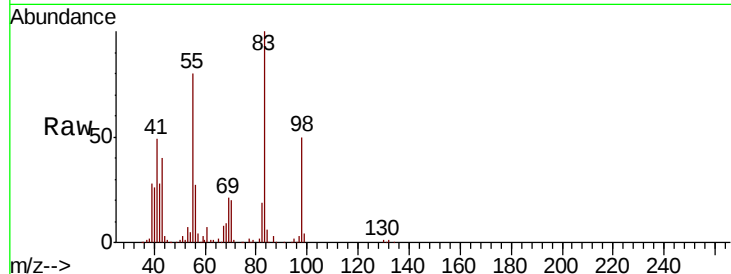
#39
Methvlcvclohexane
Concen: 62.376 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	69.7	104.5
98	50.1	39.4	59.0

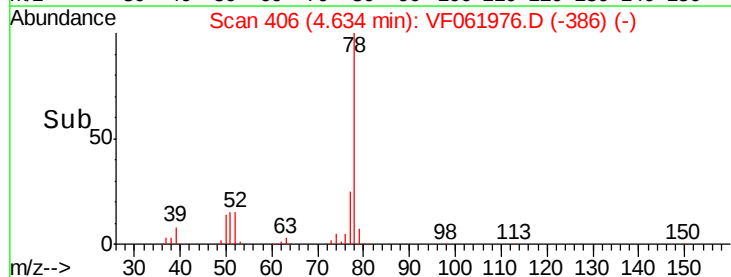
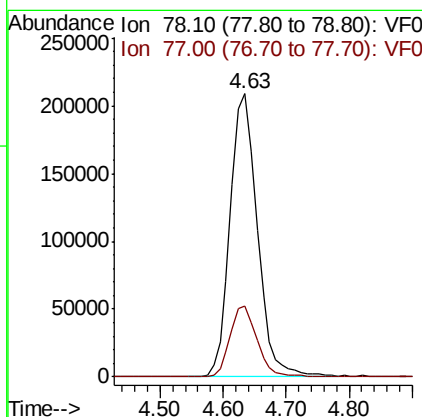
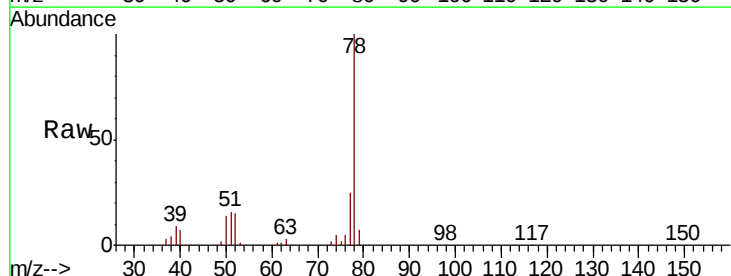
Manual Integrations
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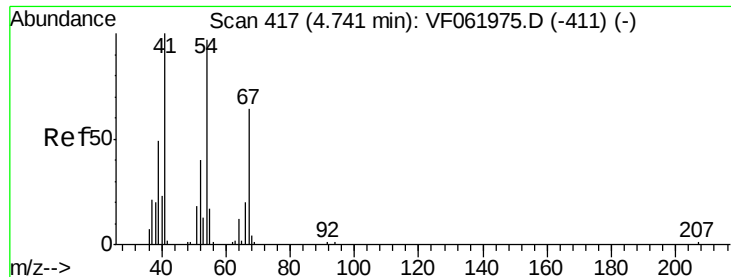
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#40
Benzene
Concen: 63.007 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.4





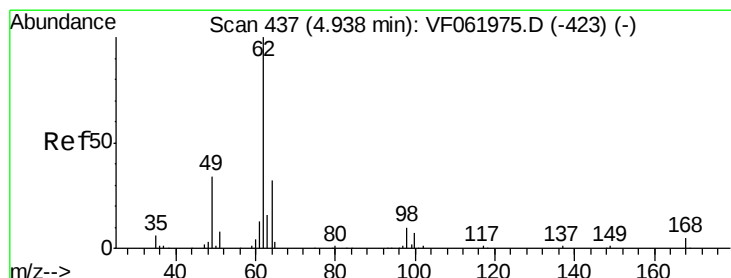
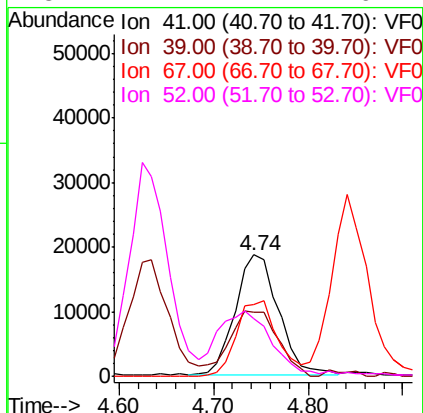
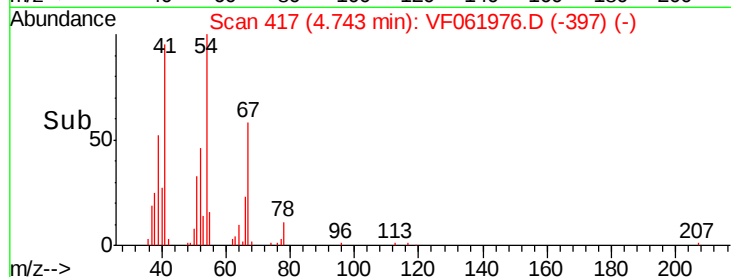
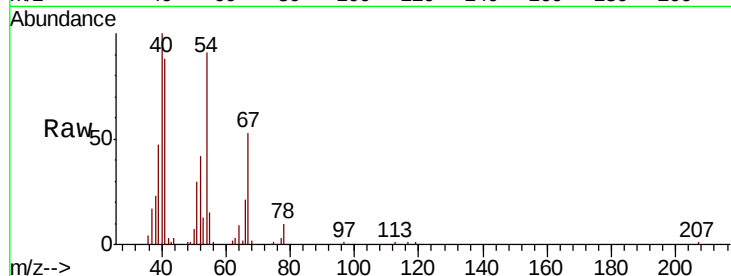
#41
Methacrylonitrile
Concen: 66.012 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	46.2	69.4	
67	59.6	49.8	74.8	
52	47.4	42.7	64.1	

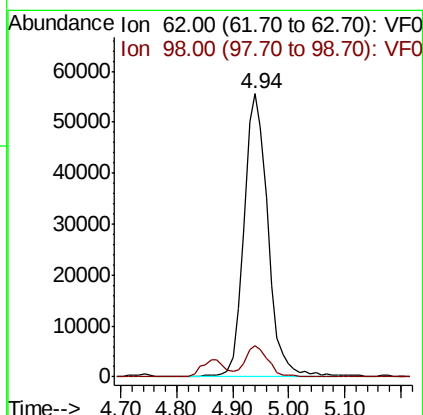
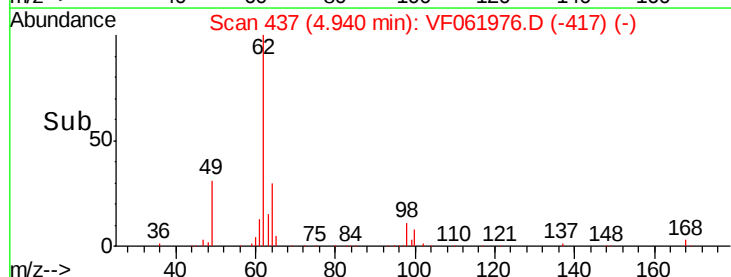
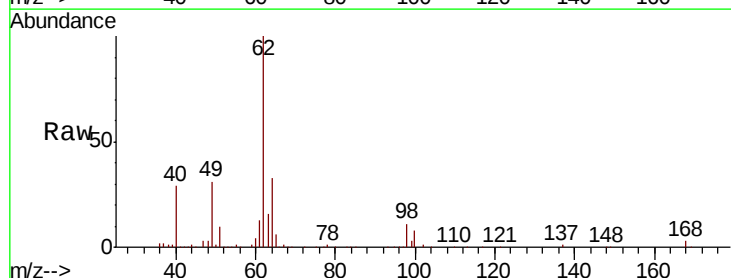
Manual Integrations
APPROVED

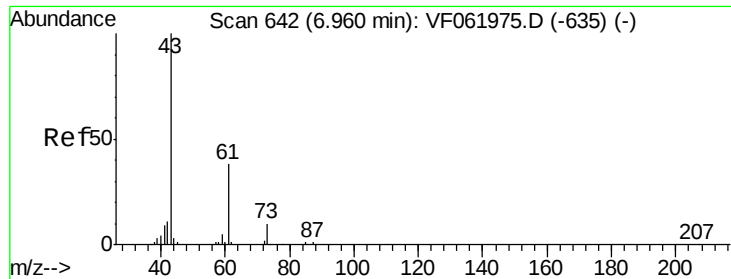
MMDadoda
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#42
1,2-Dichloroethane
Concen: 66.415 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.0	0.0	19.8	





#43

Isopropyl Acetate

Concen: 64.125 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

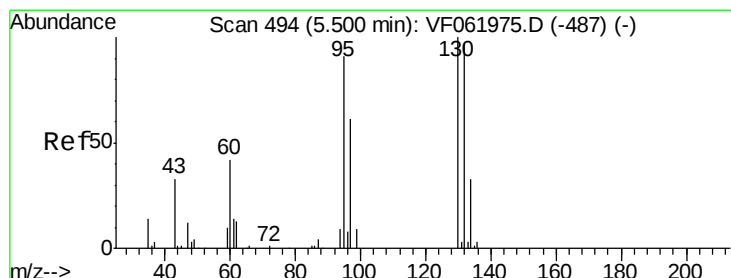
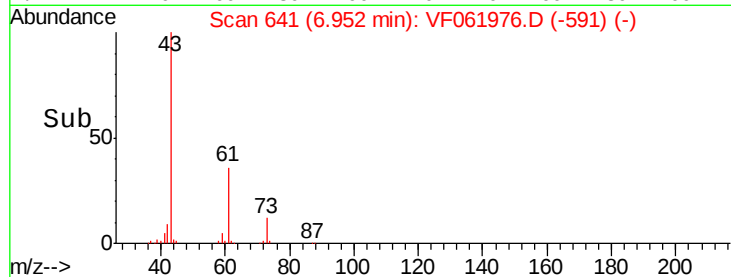
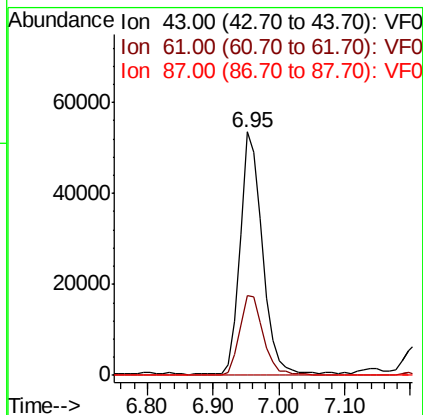
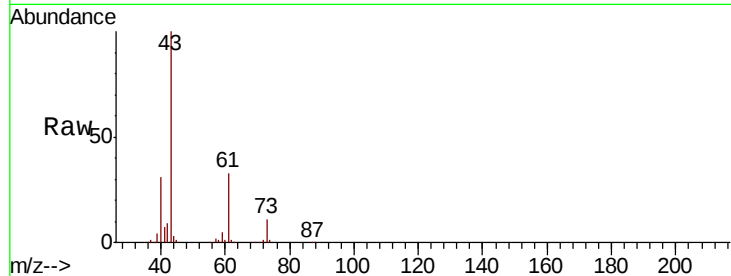
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	127771
Ion	Ratio	Lower	Upper
43	100		
61	32.8	30.1	45.1
87	0.3	0.4	0.6

Manual Integrations
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#44

Trichloroethene

Concen: 60.839 ug/l

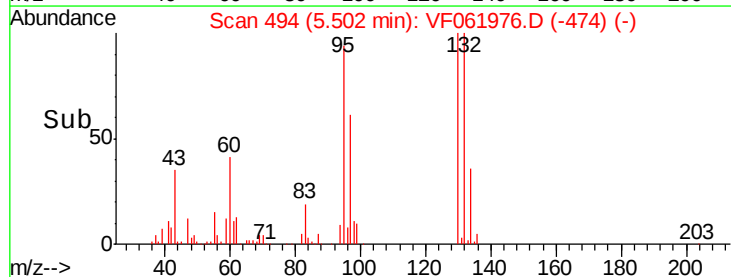
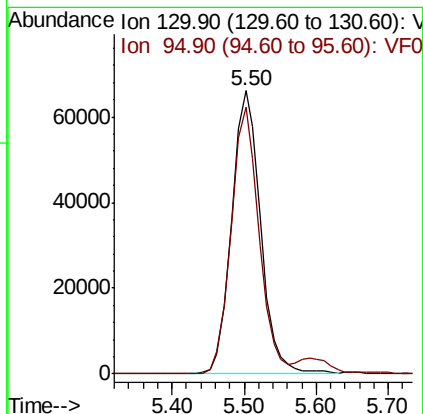
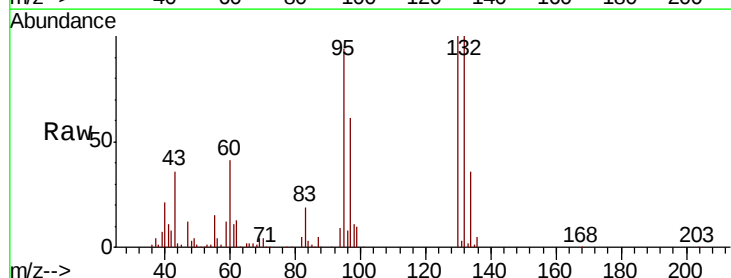
RT: 5.50 min Scan# 494

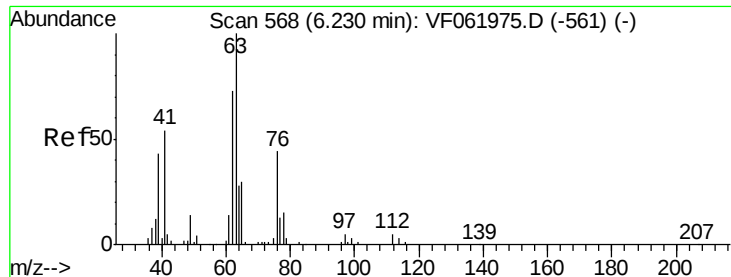
Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion:	130	Resp:	185221
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	181.4





#45

1,2-Dichloropropane

Concen: 65.441 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 153915

Ion Ratio Lower Upper

63 100

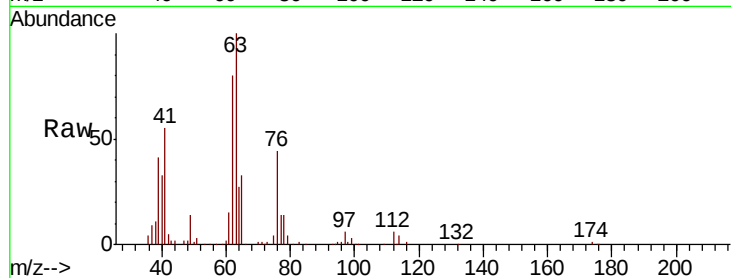
65 32.9 23.7 35.5

Manual Integrations

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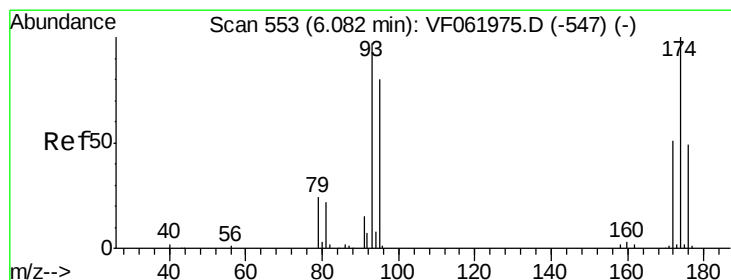
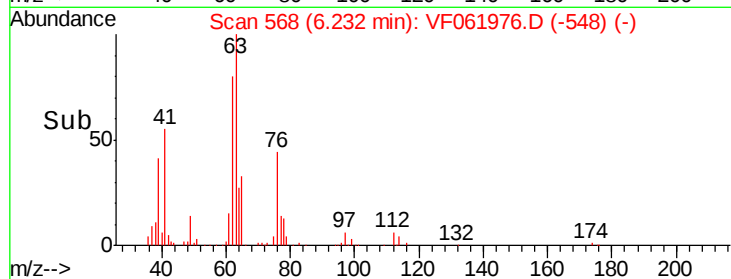
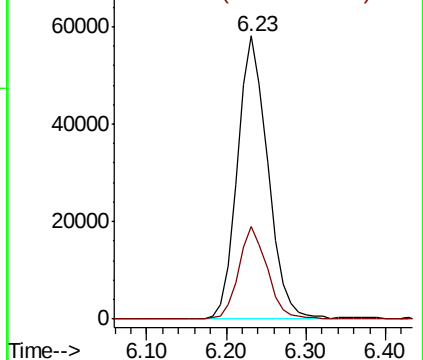
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 67.990 ug/l

RT: 6.08 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

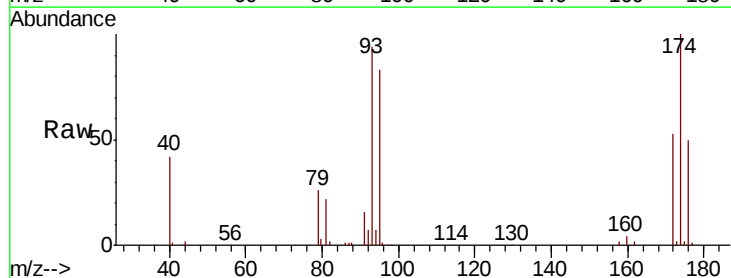
Tgt Ion: 93 Resp: 95127

Ion Ratio Lower Upper

93 100

95 88.3 65.7 98.5

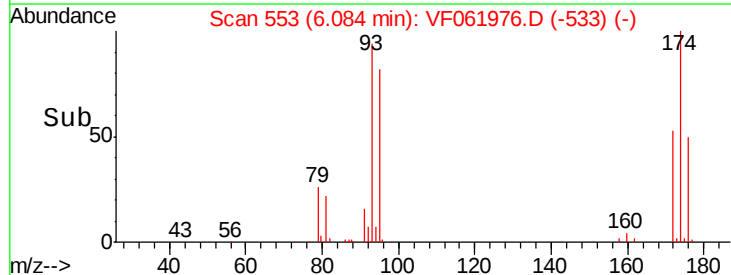
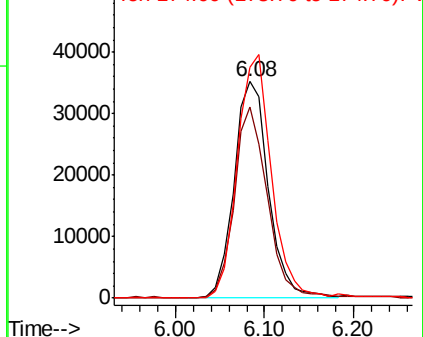
174 106.7 82.2 123.4

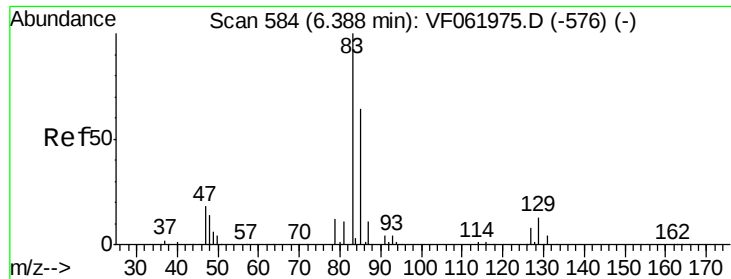


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 65.253 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

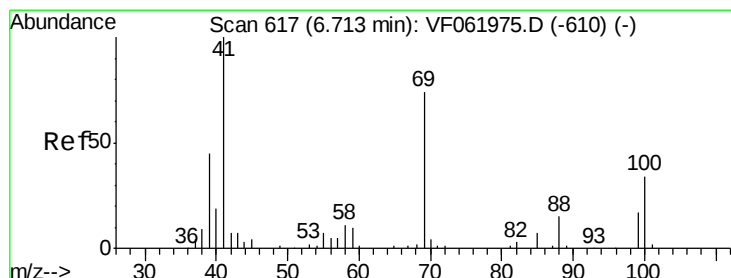
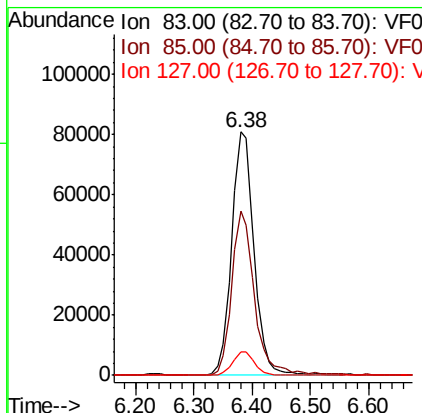
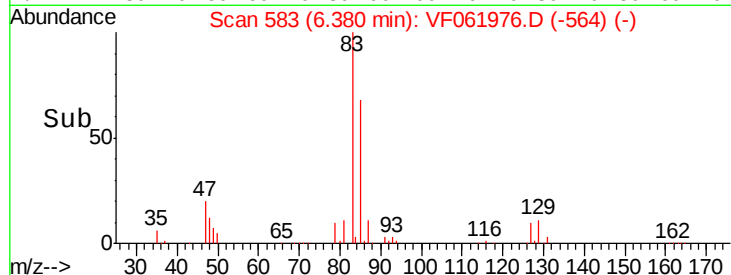
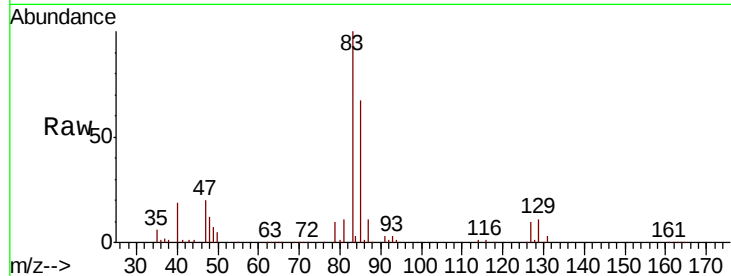
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	215242
Ion Ratio	Lower	Upper	
83	100		
85	67.5	51.4	77.2
127	9.6	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 63.457 ug/l

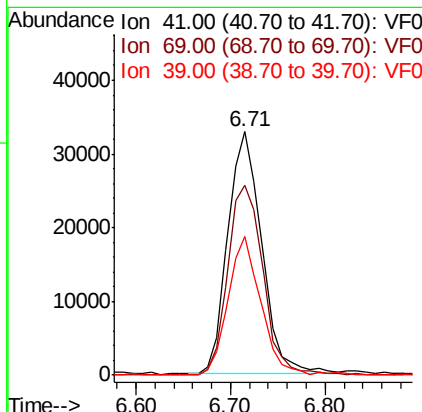
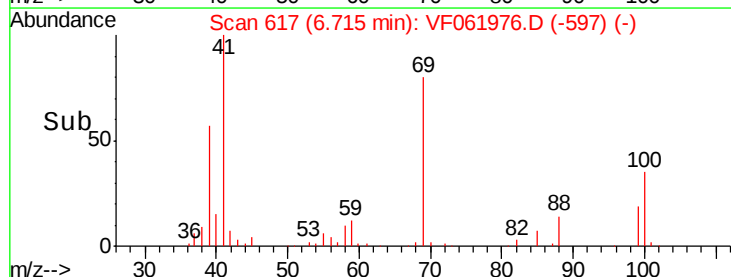
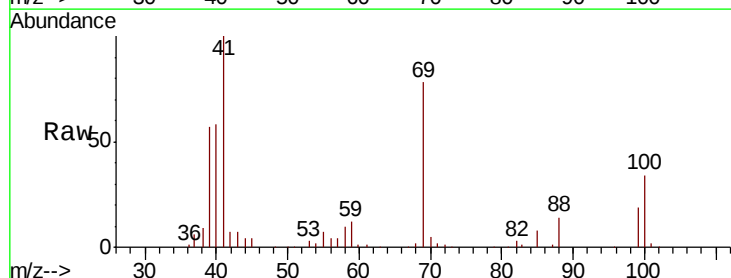
RT: 6.71 min Scan# 617

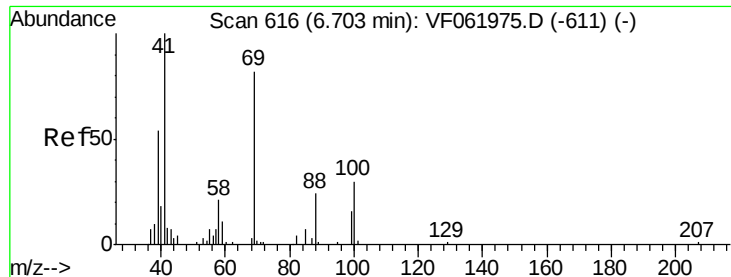
Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion:	41	Resp:	81717
Ion Ratio	Lower	Upper	
41	100		
69	78.0	59.0	88.6
39	56.7	35.6	53.4#





#49

1,4-Dioxane

Concen: 1449.374 ug/l

RT: 6.71 min Scan# 616

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

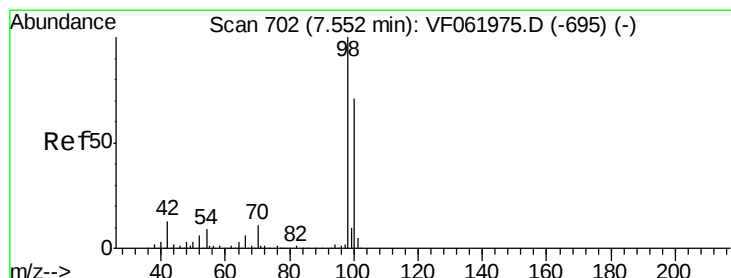
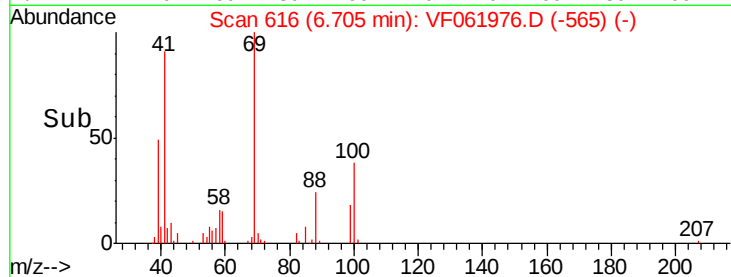
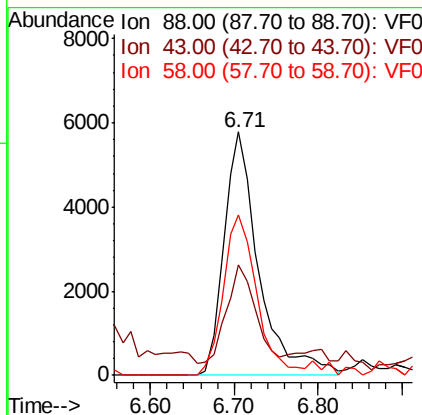
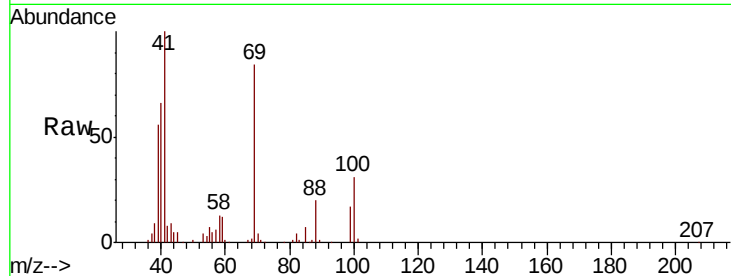
ClientSampleId :

VSTDIC075

Tot Ion:	88	Resp:	16602
Ion	Ratio	Lower	Upper
88	100		
43	45.6	31.2	46.8
58	65.8	69.9	104.9#

Manual Integrations
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#50

Toluene-d8

Concen: 70.716 ug/l

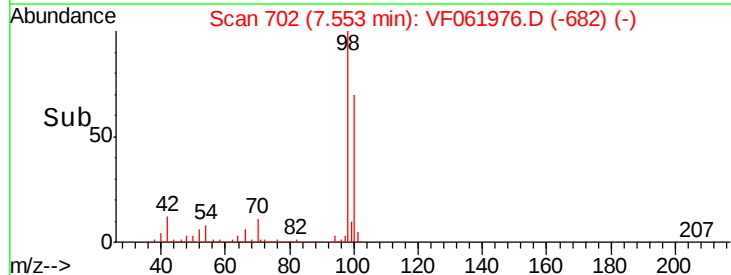
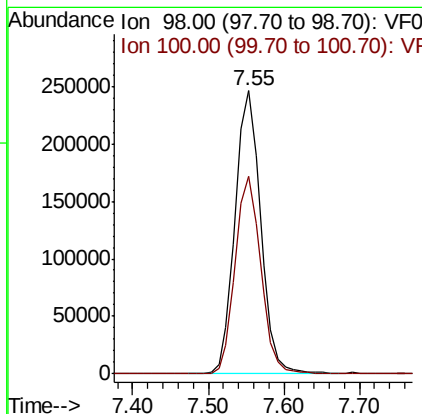
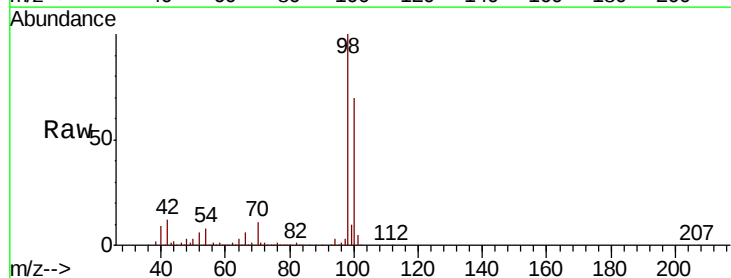
RT: 7.55 min Scan# 702

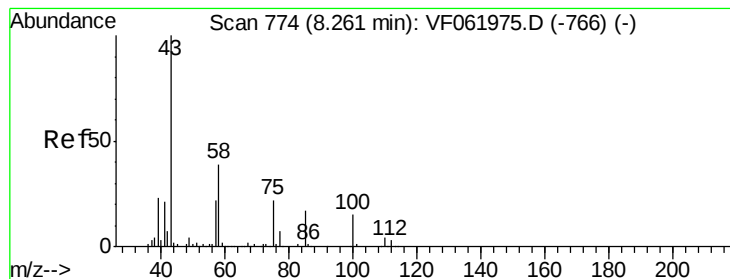
Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion:	98	Resp:	576553
Ion	Ratio	Lower	Upper
98	100		
100	69.9	56.8	85.2





#51

4-Methyl-2-Pentanone

Concen: 333.666 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 472110

Ion Ratio Lower Upper

43 100

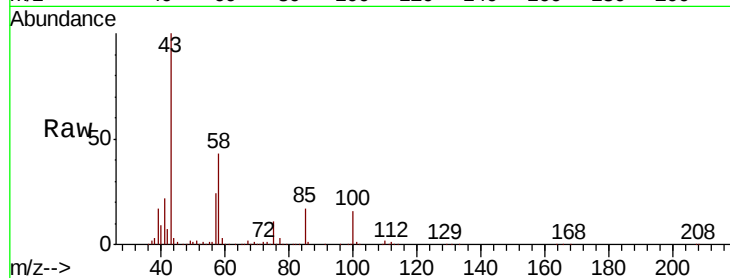
58 43.1 31.1 46.7

Manual Integrations

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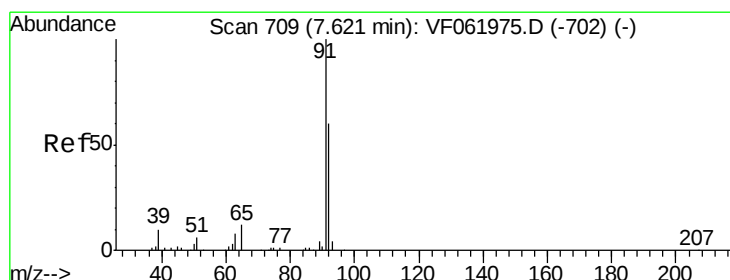
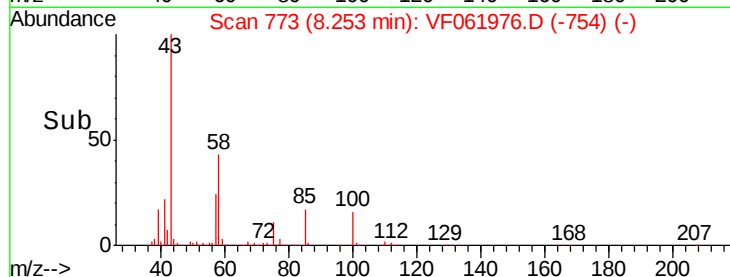
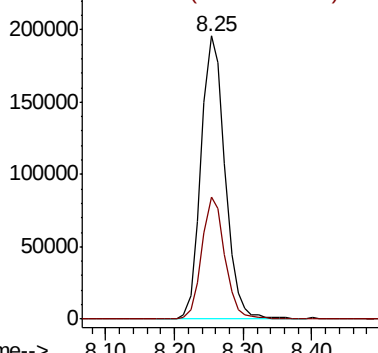
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 62.642 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061976.D

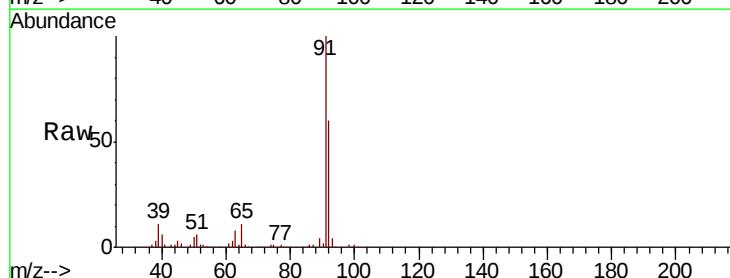
Acq: 16 Mar 2019 13:22

Tgt Ion: 92 Resp: 380381

Ion Ratio Lower Upper

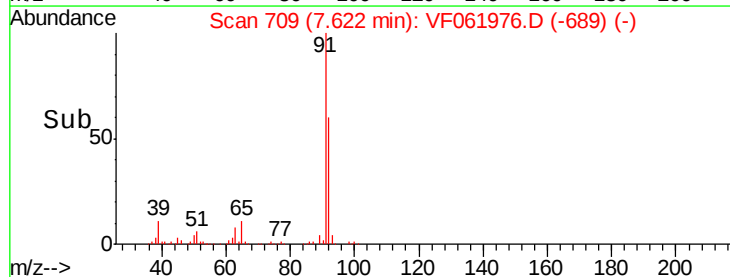
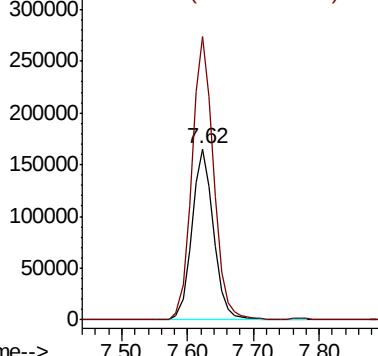
92 100

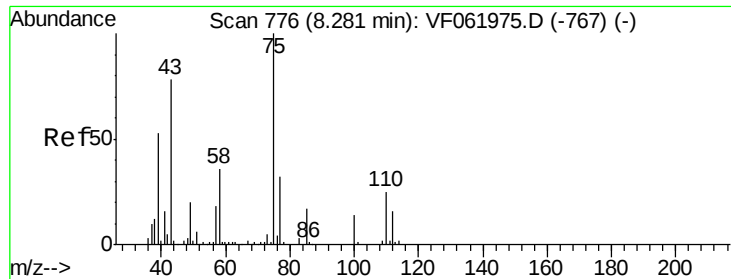
91 165.4 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 65.059 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 181177

Ion Ratio Lower Upper

75 100

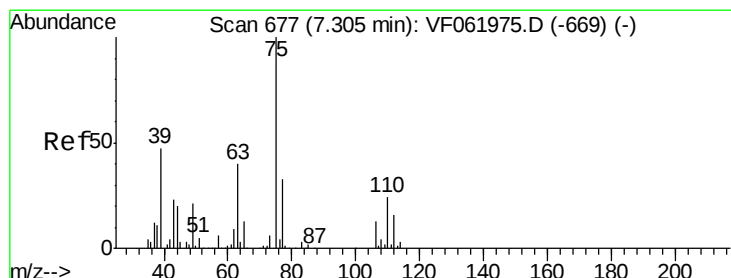
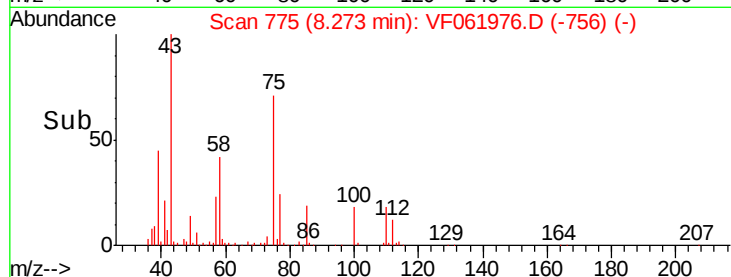
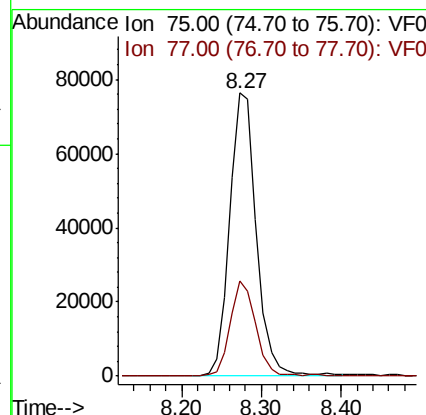
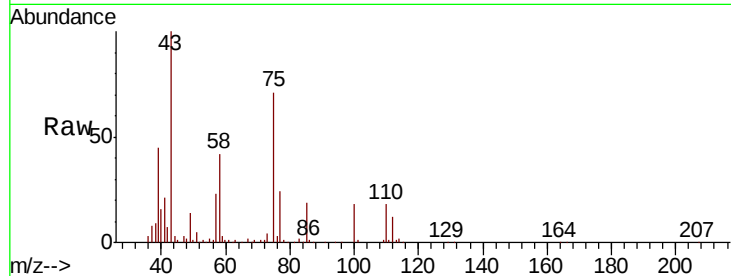
77 33.5 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 67.930 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

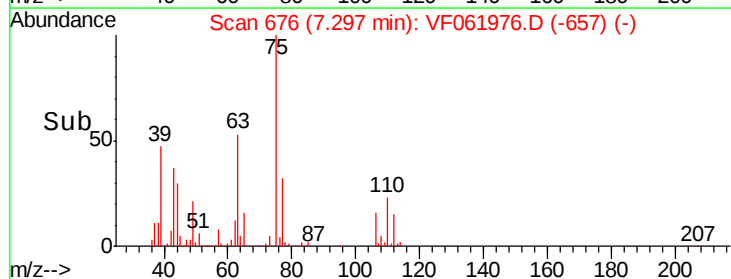
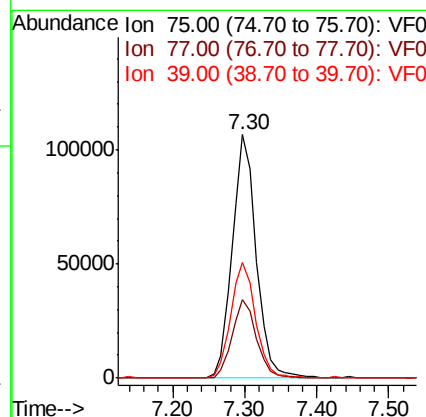
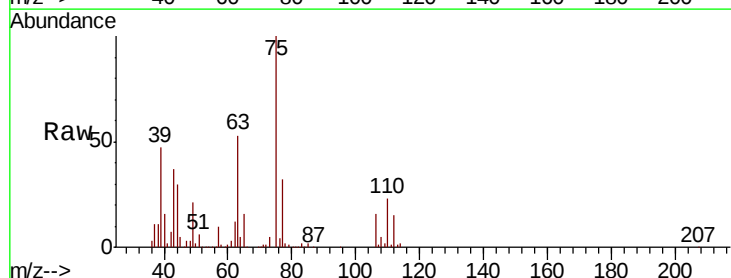
Tgt Ion: 75 Resp: 246834

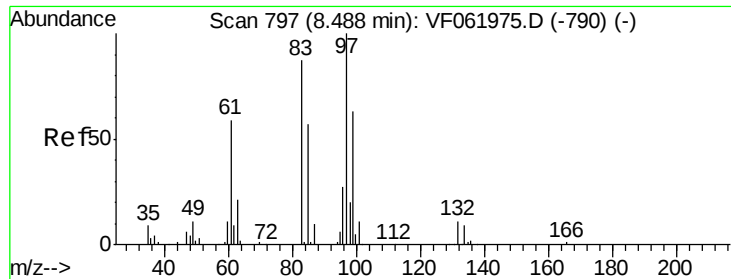
Ion Ratio Lower Upper

75 100

77 32.4 26.4 39.6

39 47.4 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 63.094 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

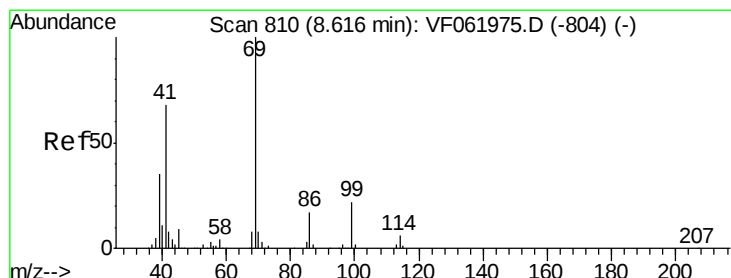
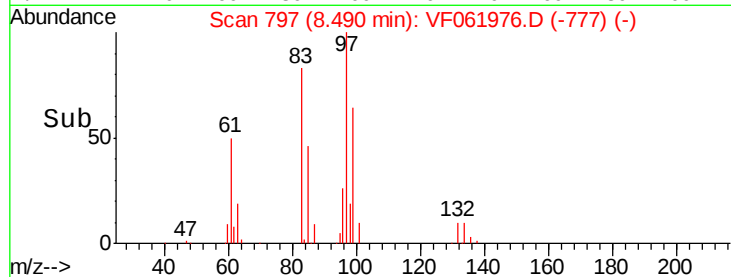
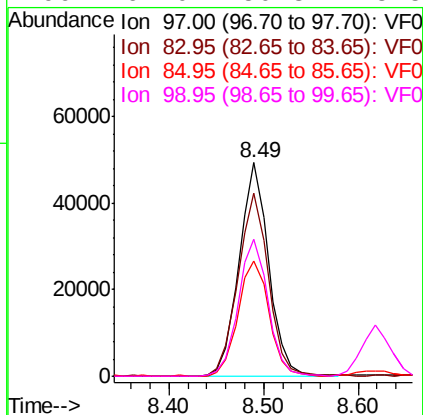
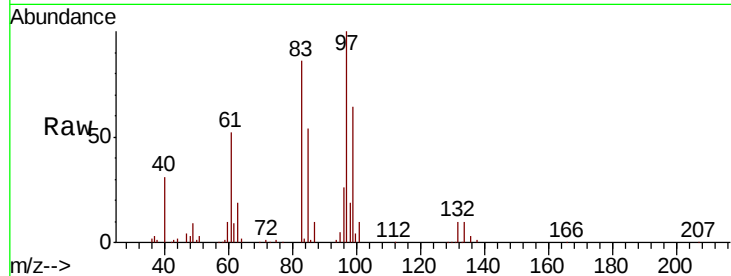
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	106930
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.7	104.5
85	54.1	45.8	68.6
99	64.0	50.3	75.5

Manual Integrations
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#56

Ethyl methacrylate

Concen: 63.533 ug/l

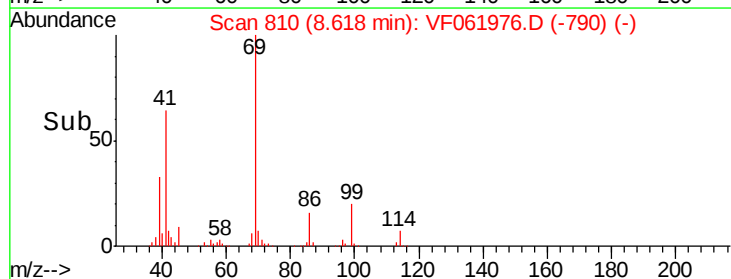
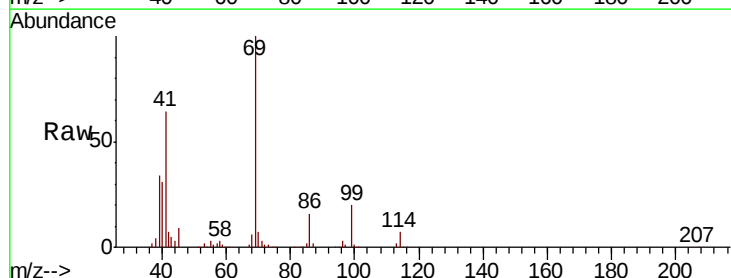
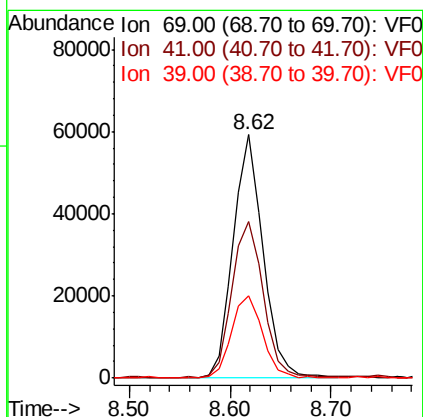
RT: 8.62 min Scan# 810

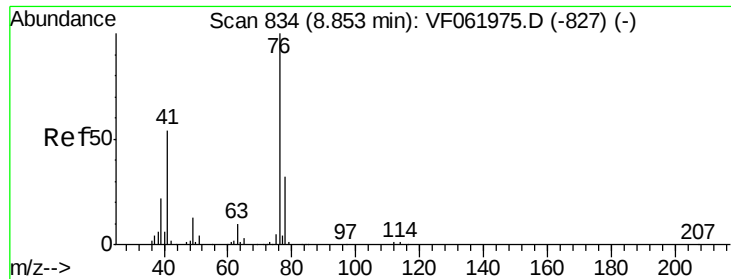
Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion:	69	Resp:	122399
Ion	Ratio	Lower	Upper
69	100		
41	64.1	54.7	82.1
39	33.7	27.9	41.9





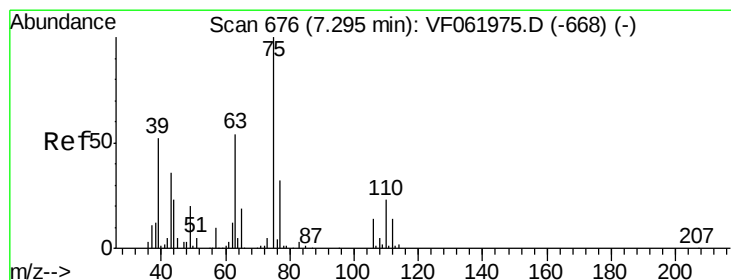
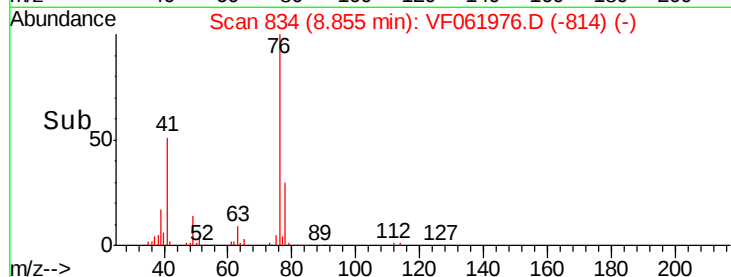
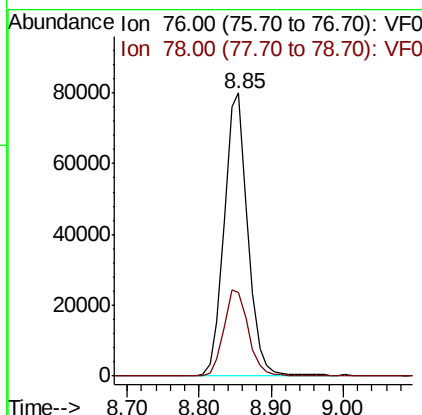
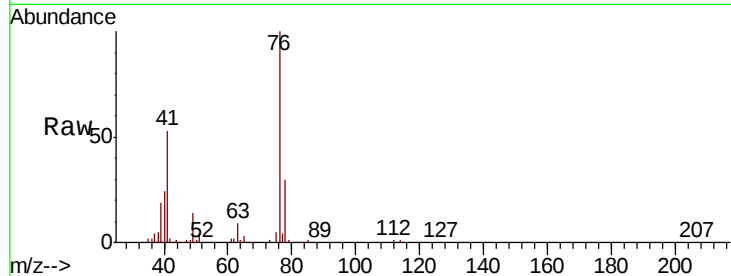
#57
 1,3-Dichloropropane
 Concen: 64.012 ug/l
 RT: 8.85 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VF061976.D
 Acq: 16 Mar 2019 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	29.7	25.4	38.2

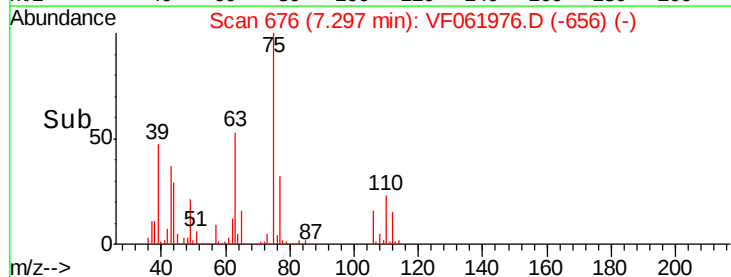
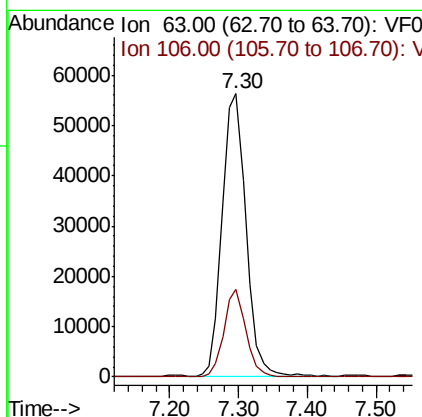
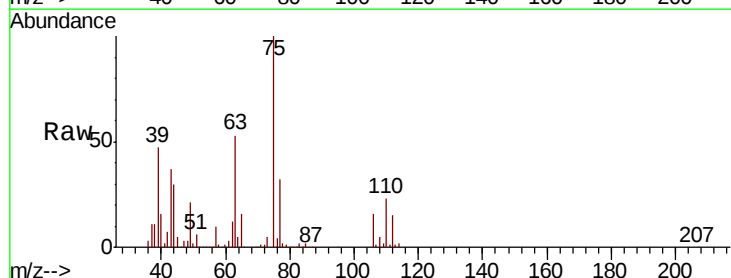
Manual Integrations
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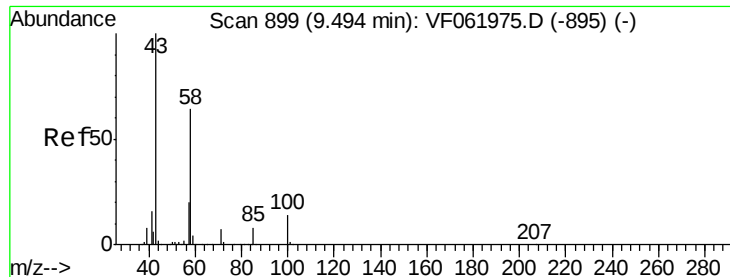
MMDadoda
 3/22/2019 6:19:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 385.839 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VF061976.D
 Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.1	20.9	31.3





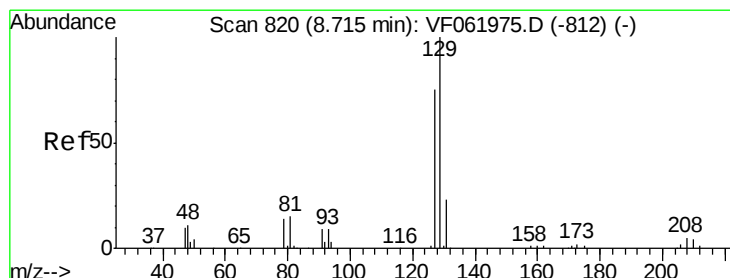
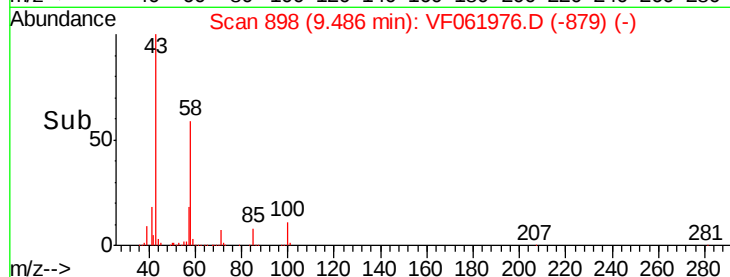
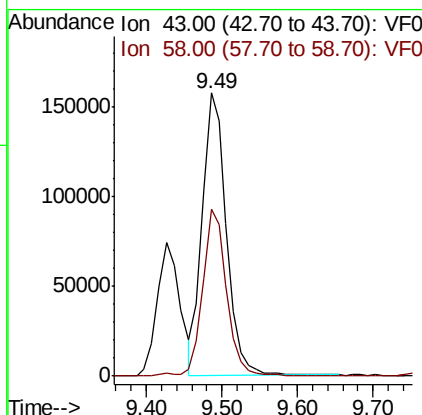
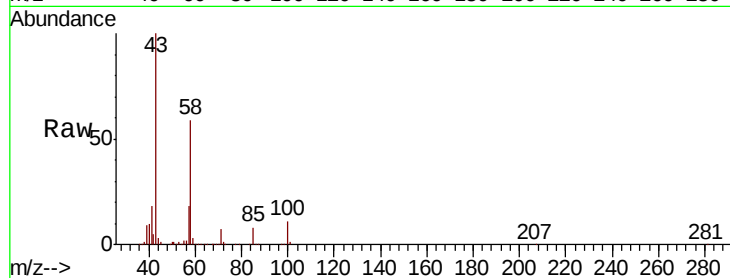
#59
2-Hexanone
Concen: 340.993 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 349171
Ion Ratio Lower Upper
43 100
58 59.0 28.4 85.2

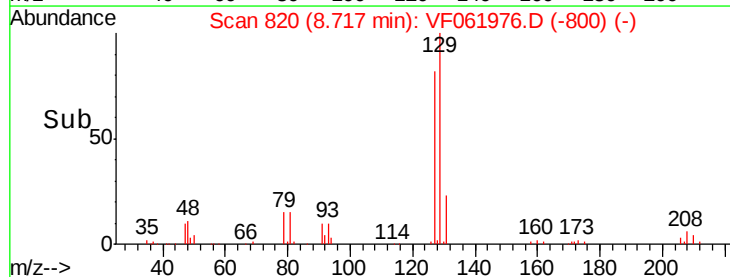
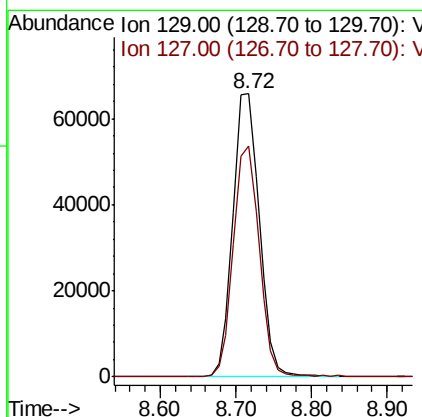
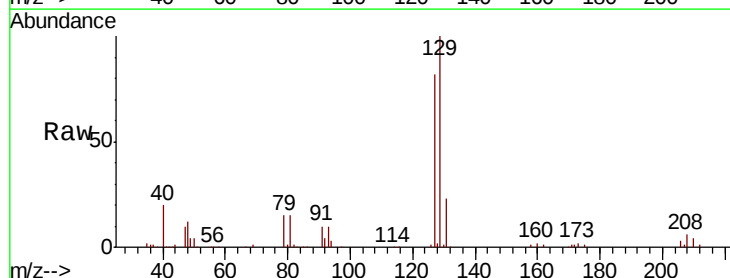
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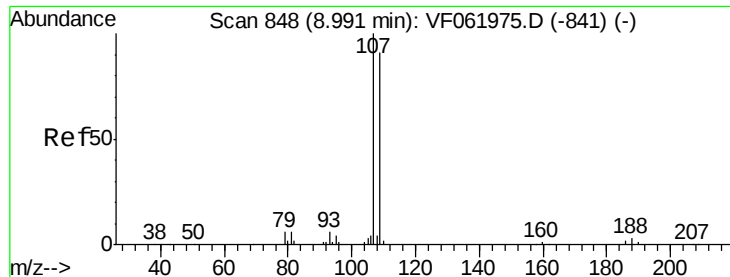
MMDadoda
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#60
Dibromochloromethane
Concen: 67.826 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion: 129 Resp: 159579
Ion Ratio Lower Upper
129 100
127 81.8 37.3 111.8





#61

1,2-Dibromoethane

Concen: 65.402 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:107 Resp: 118894

Ion Ratio Lower Upper

107 100

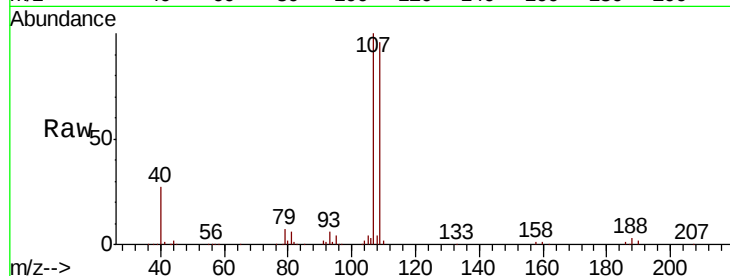
109 96.2 72.8 109.2

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.98

60000

50000

40000

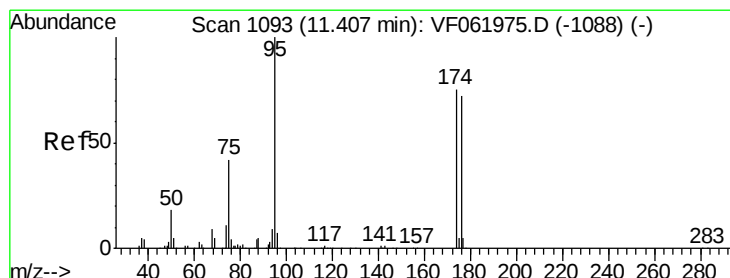
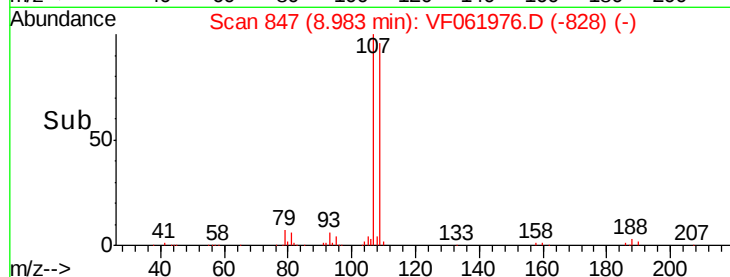
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 70.387 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

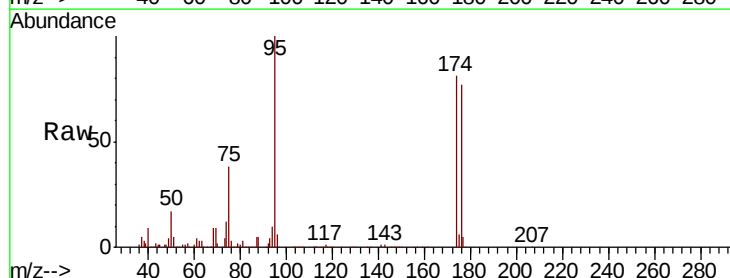
Tgt Ion: 95 Resp: 227978

Ion Ratio Lower Upper

95 100

174 80.6 0.0 149.4

176 76.5 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.41

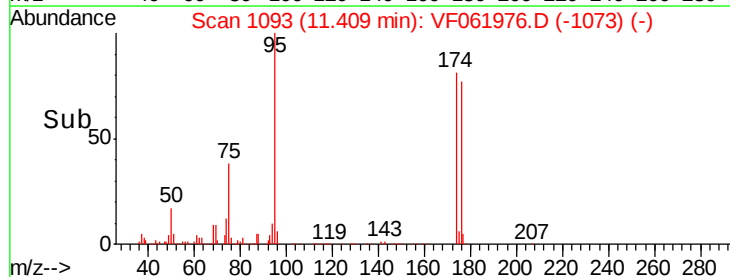
150000

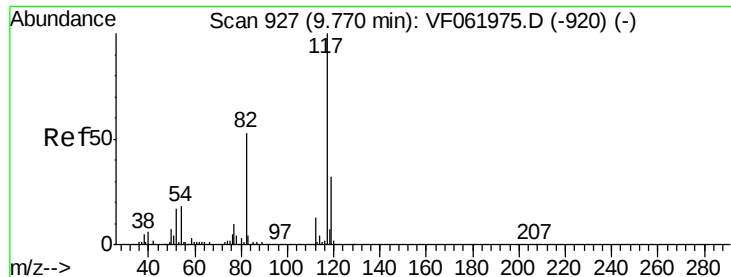
100000

50000

0

Time-->





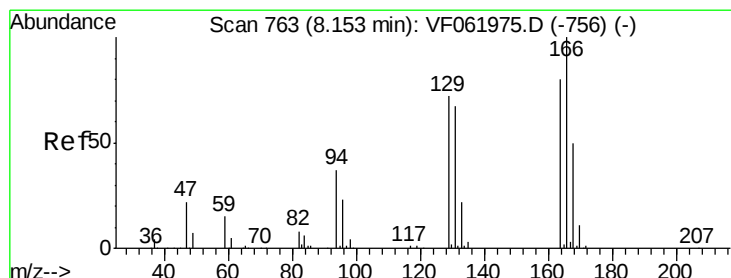
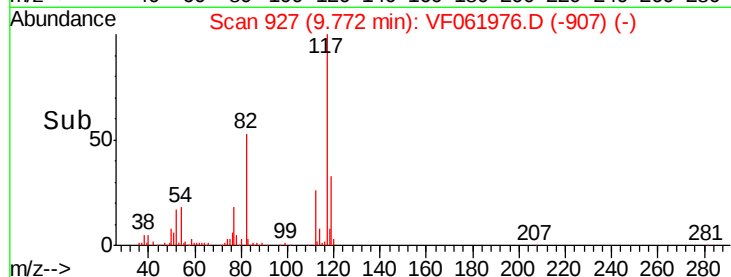
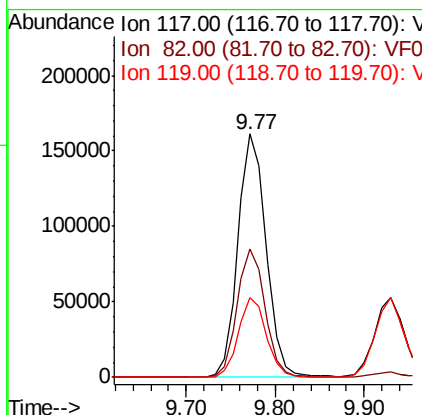
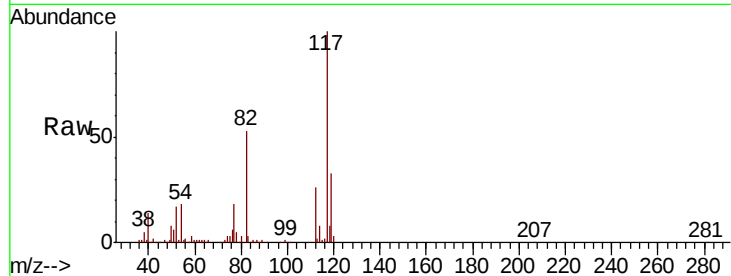
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.5	63.7
119	33.0	25.4	38.0

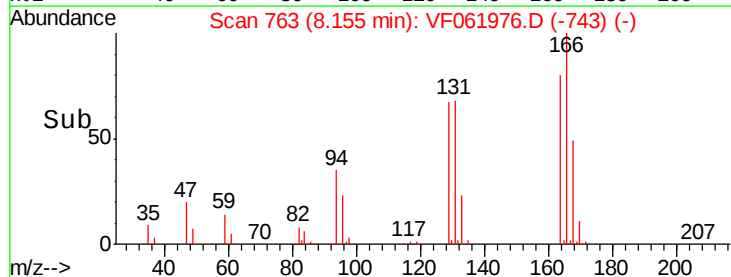
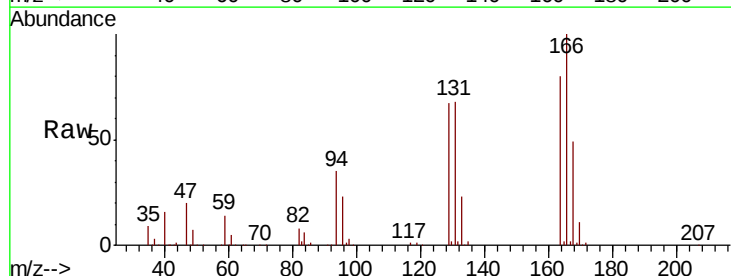
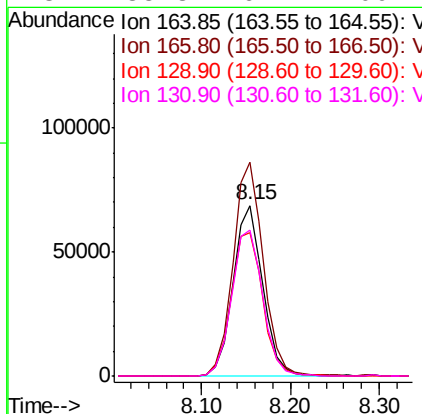
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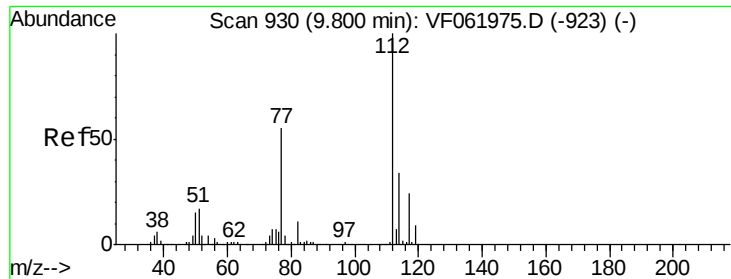
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#64
Tetrachloroethene
Concen: 61.816 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.0	150.0
129	83.9	72.4	108.6
131	85.3	67.1	100.7





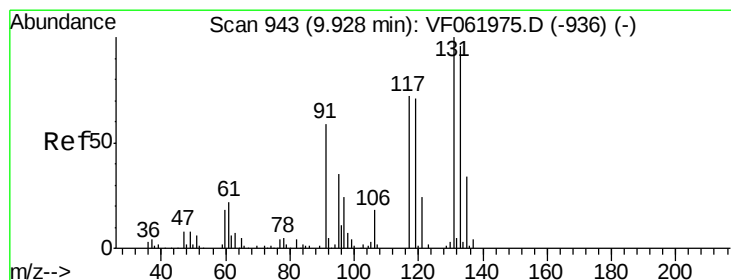
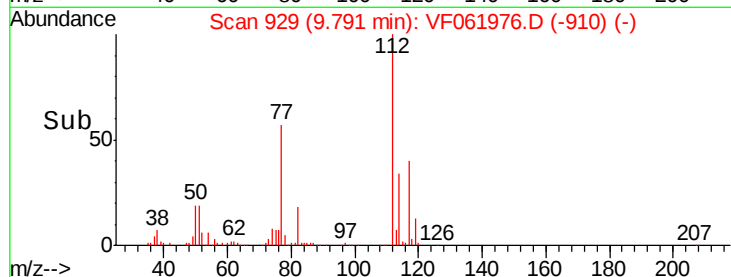
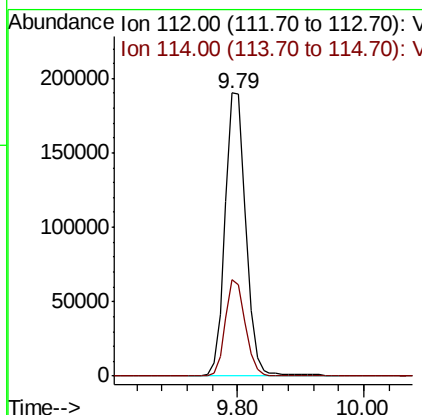
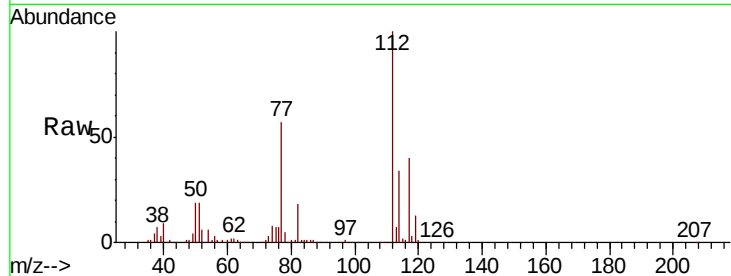
#65
Chlorobenzene
Concen: 65.747 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
112	100	434990		
114	34.0	26.9	40.3	

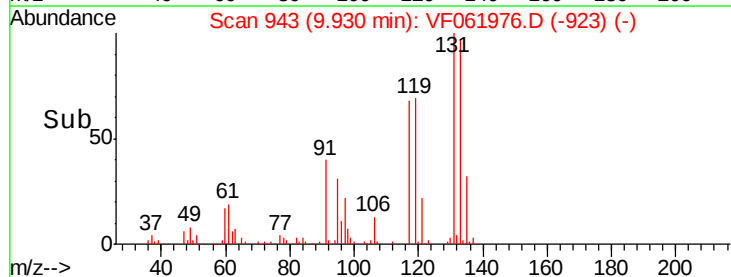
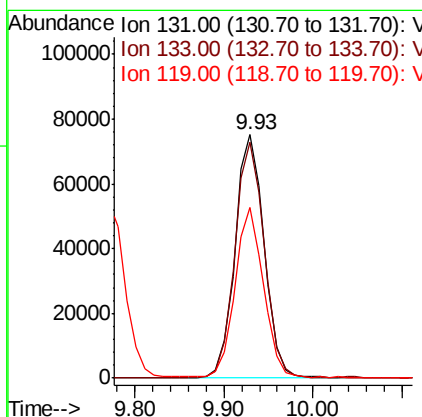
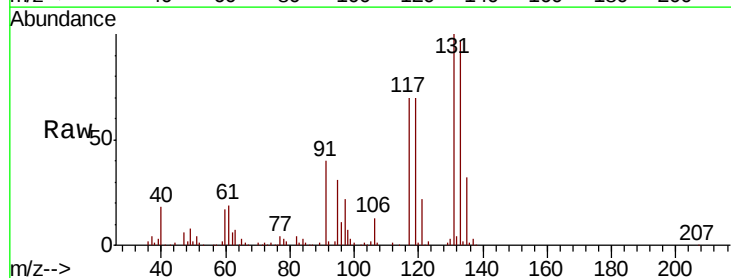
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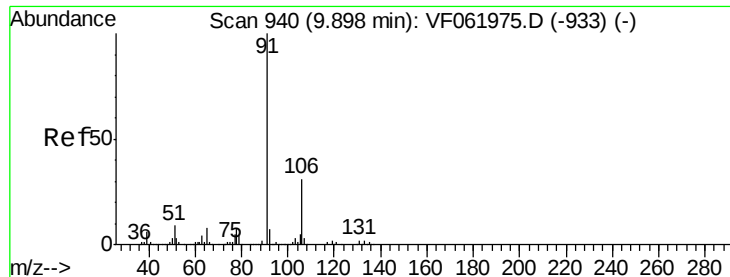
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 66.580 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	170749		
133	97.0	48.0	144.2	
119	70.0	35.9	107.7	





#67

Ethyl Benzene

Concen: 62.474 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 707733

Ion Ratio Lower Upper

91 100

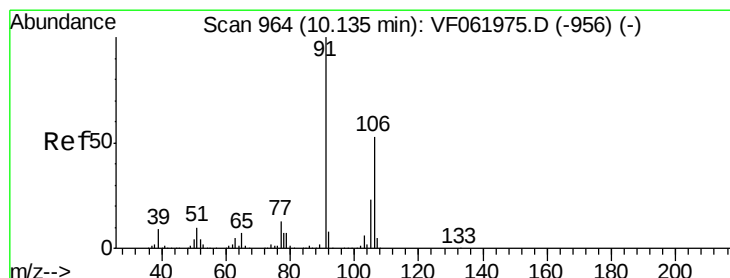
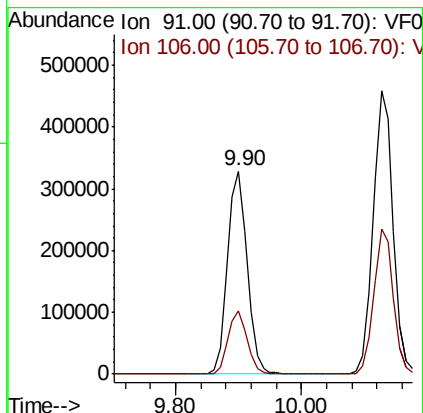
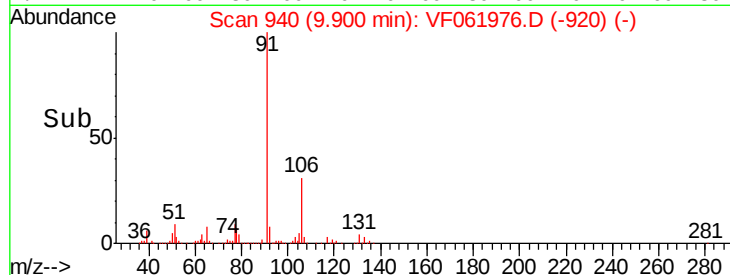
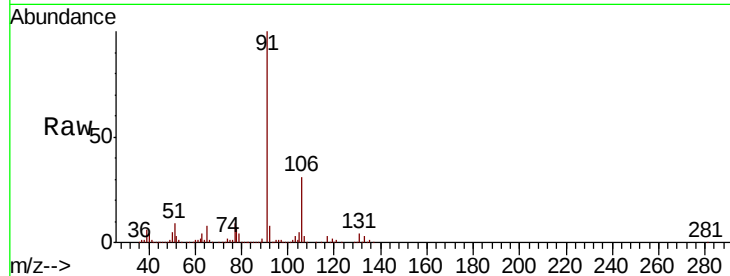
106 30.9 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 119.629 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061976.D

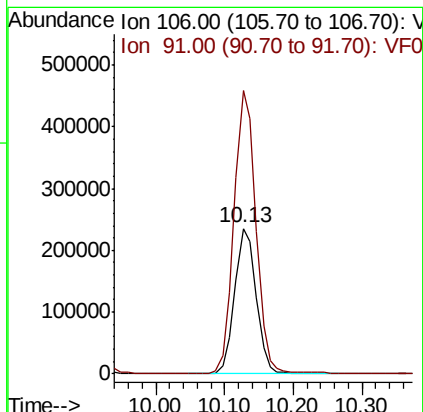
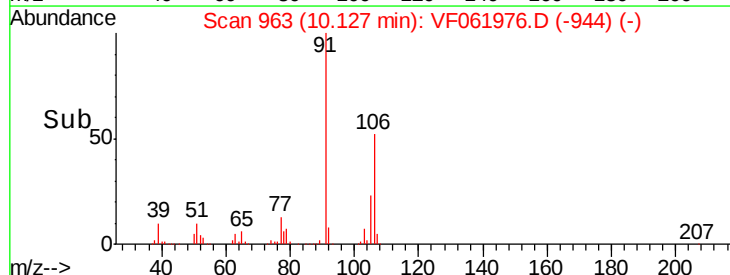
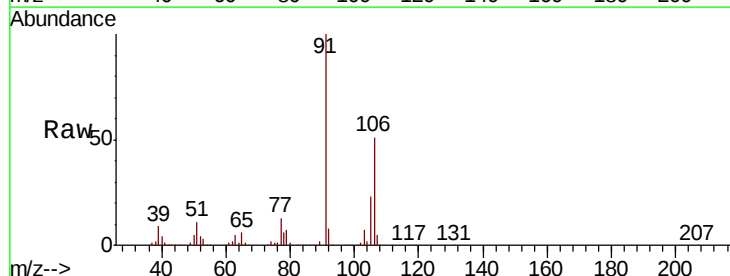
Acq: 16 Mar 2019 13:22

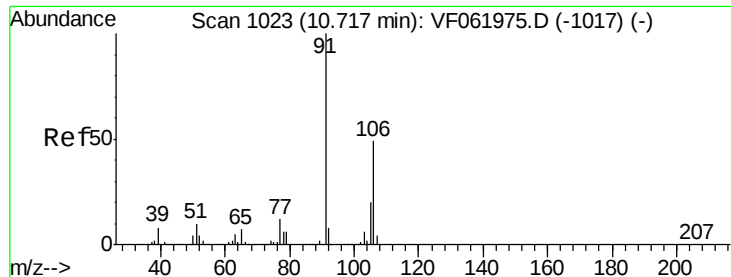
Tgt Ion: 106 Resp: 509703

Ion Ratio Lower Upper

106 100

91 194.8 151.9 227.9





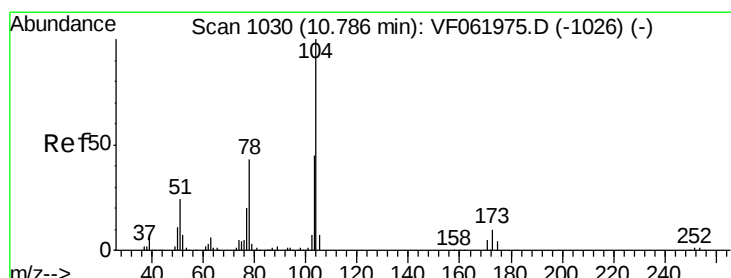
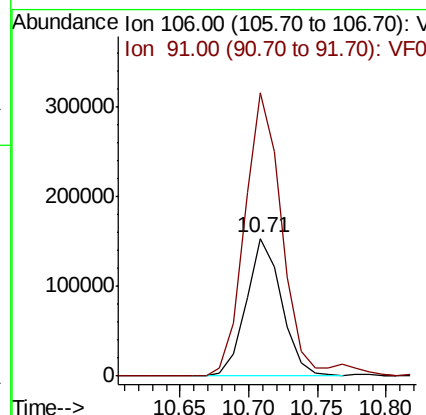
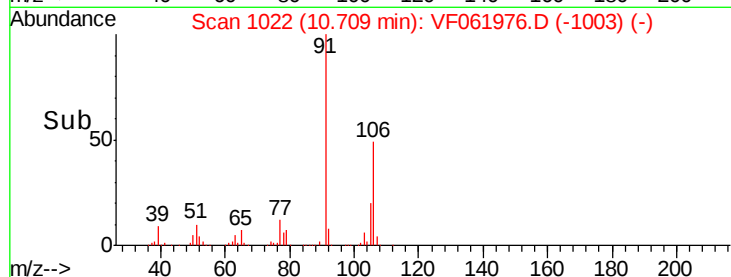
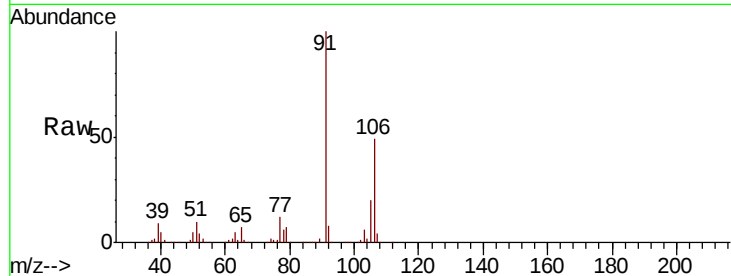
#69
o-Xylene
Concen: 60.672 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.8	102.3	306.8

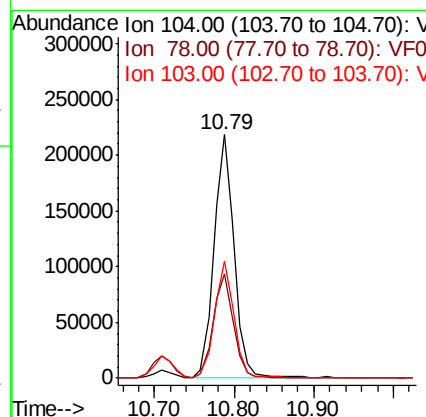
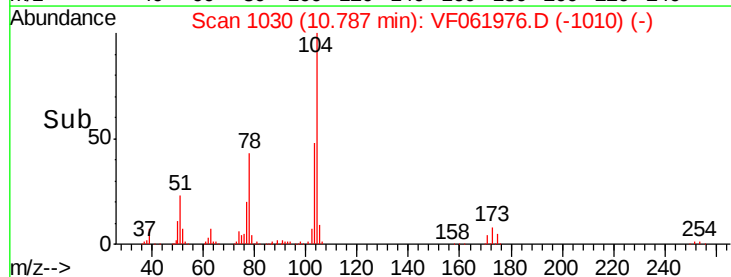
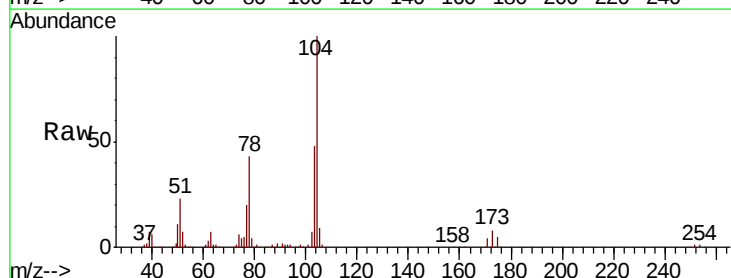
Manual Integrations
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#70
Styrene
Concen: 61.012 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	42.8	34.7	52.1
103	47.9	36.6	54.8





#71

Bromoform

Concen: 67.611 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

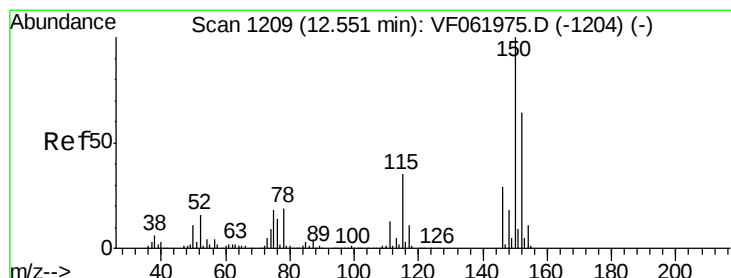
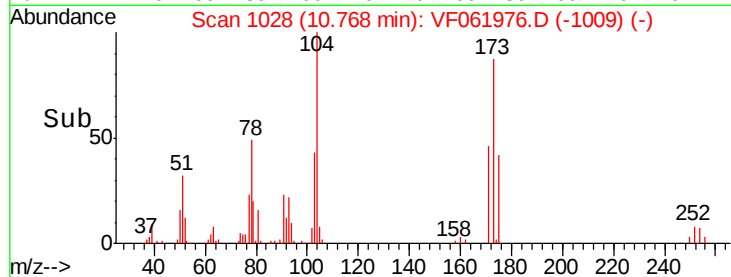
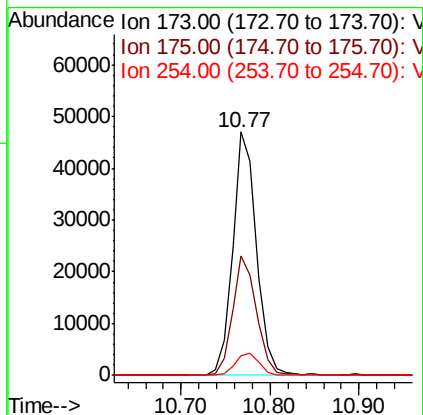
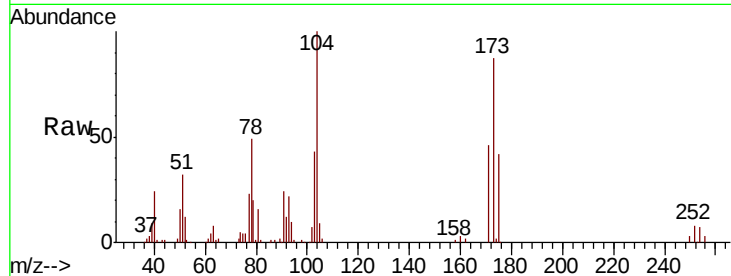
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.7	71.1
254	8.1	7.8	11.8

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

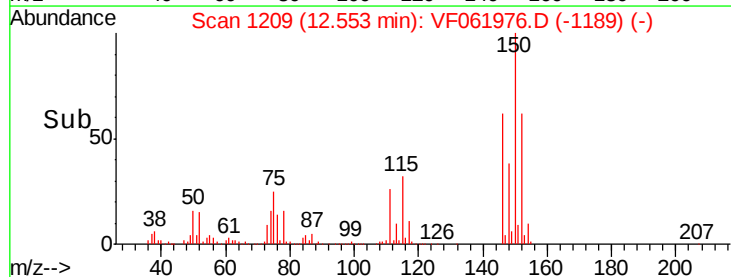
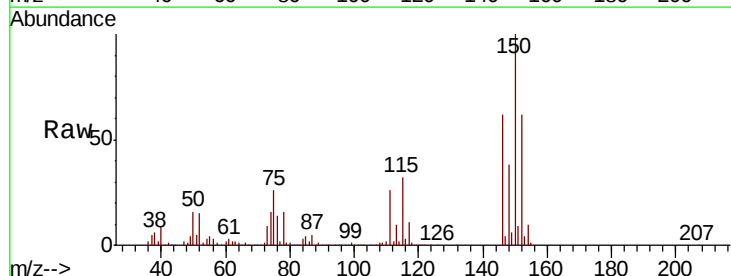
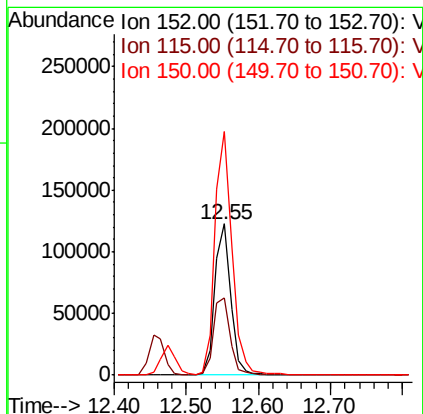
RT: 12.55 min Scan# 1209

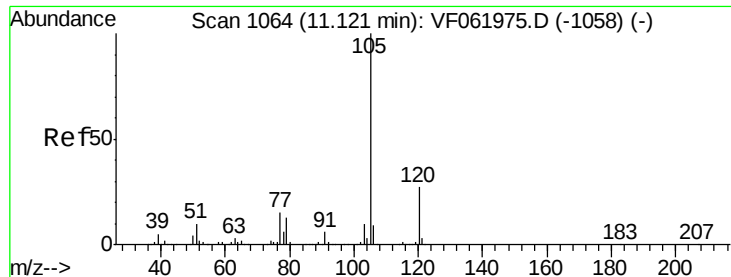
Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.0	27.3	81.9
150	161.0	0.0	316.2





#73

Isopropylbenzene

Concen: 60.891 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 782127

Ion Ratio Lower Upper

105 100

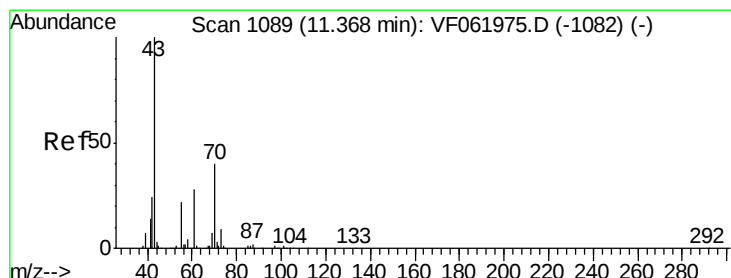
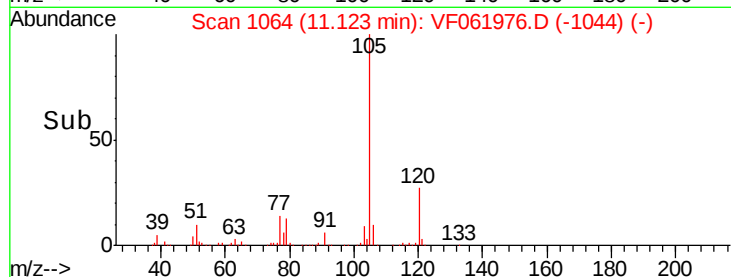
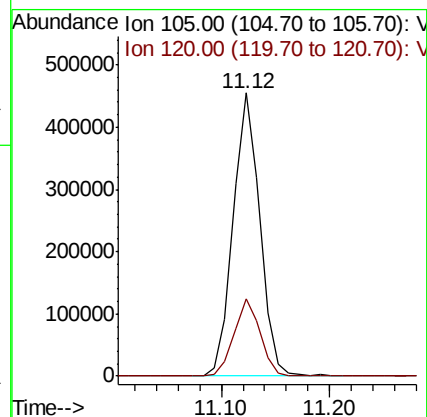
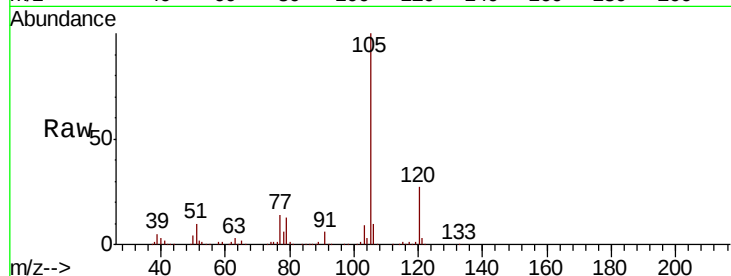
120 27.2 13.8 41.3

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#74

N-ethyl acetate

Concen: 74.693 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion: 43 Resp: 219835

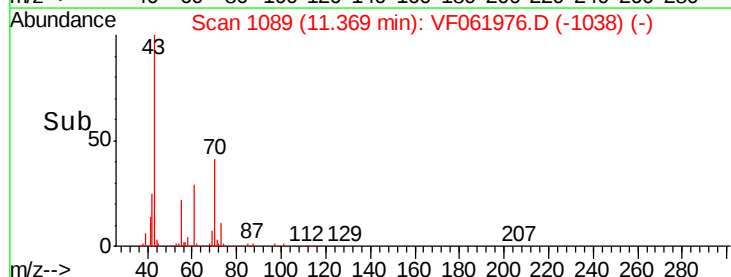
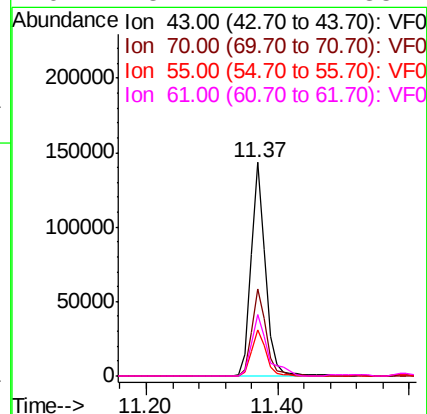
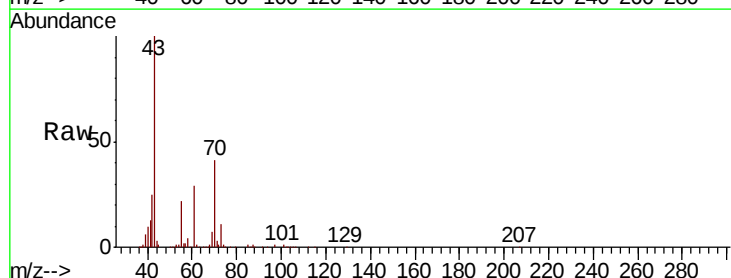
Ion Ratio Lower Upper

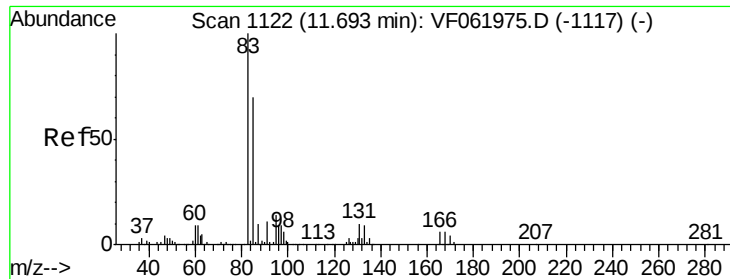
43 100

70 40.5 31.9 47.9

55 21.6 17.9 26.9

61 28.7 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 66.370 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

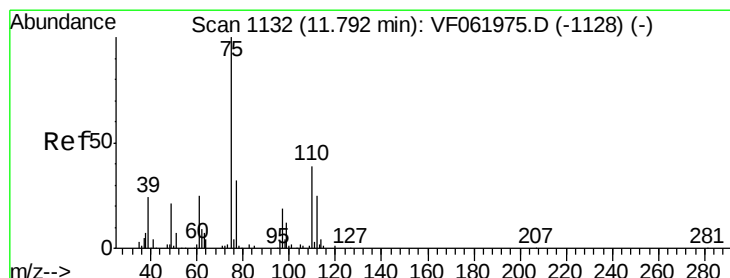
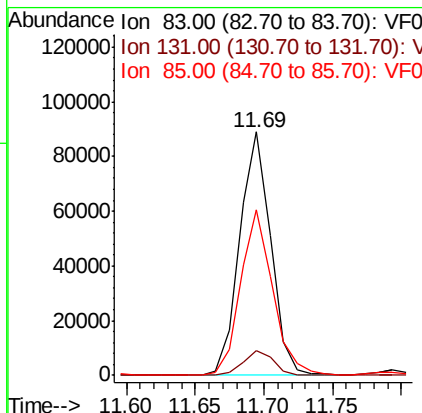
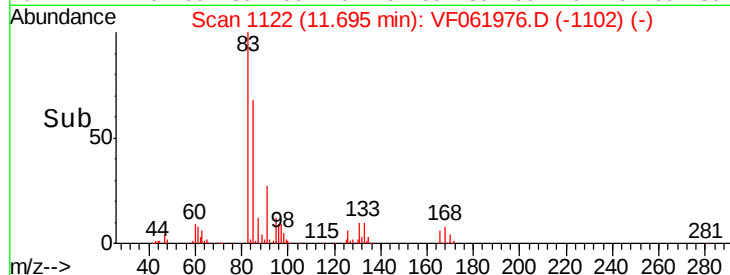
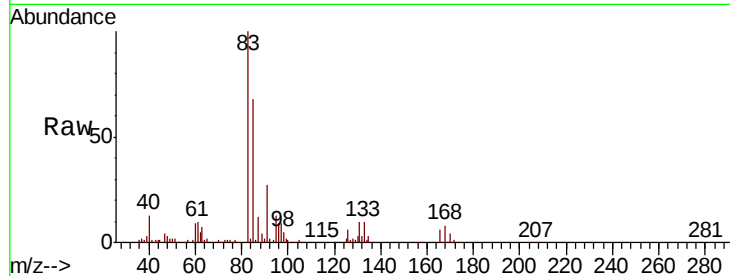
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	140715
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	68.0	35.3	105.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 65.341 ug/l

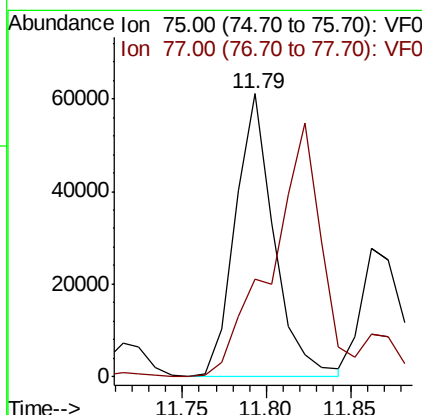
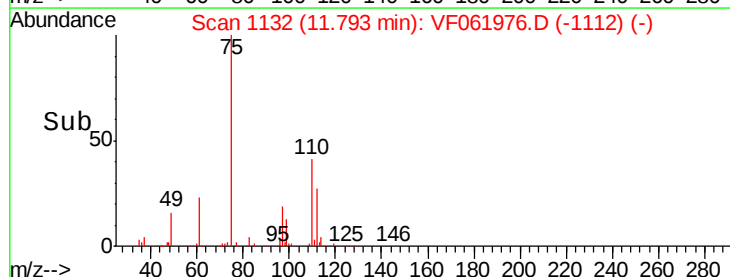
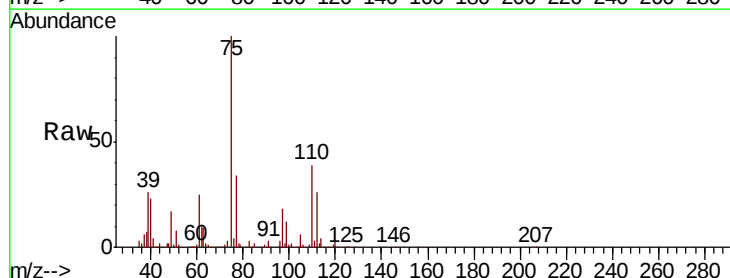
RT: 11.79 min Scan# 1132

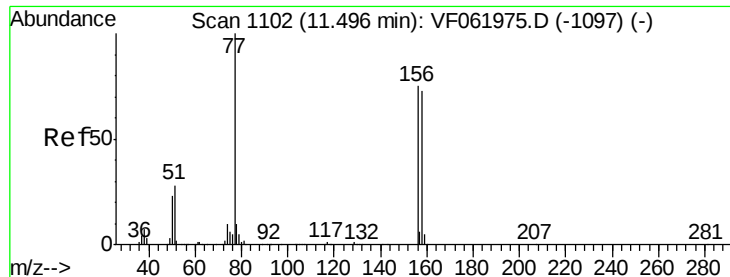
Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion:	75	Resp:	96872
Ion Ratio	Lower	Upper	
75	100		
77	34.4	16.4	49.2





#77

Bromobenzene

Concen: 64.557 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

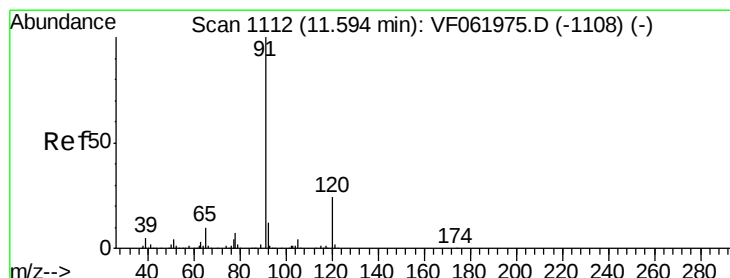
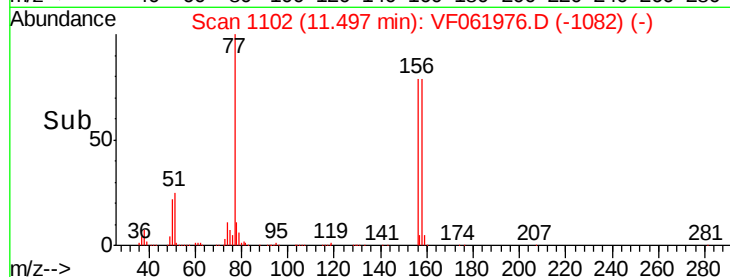
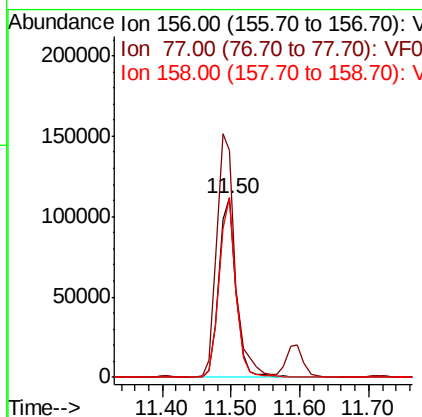
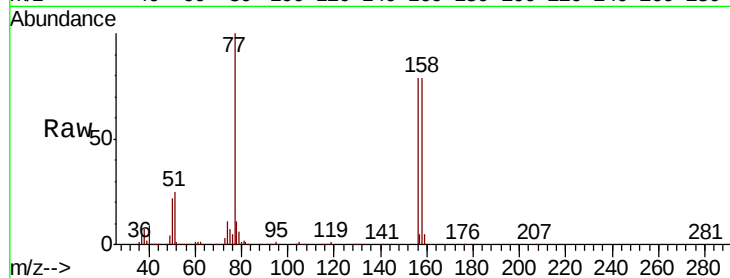
ClientSampleId :

VSTDIC075

Tot Ion:	156	Resp:	192030
Ion Ratio	Lower	Upper	
156	100		
77	126.9	67.0	201.0
158	100.0	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 59.775 ug/l

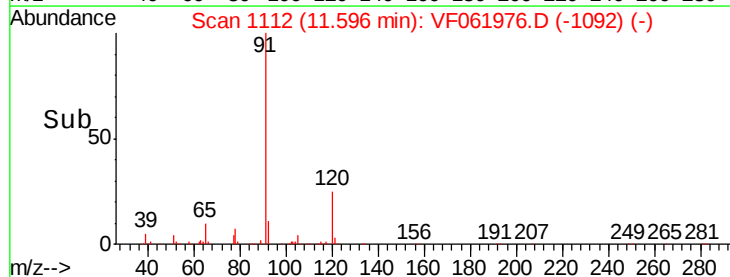
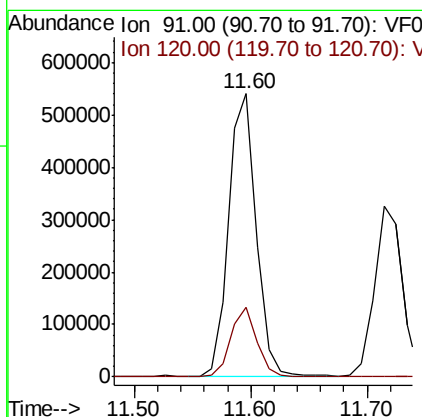
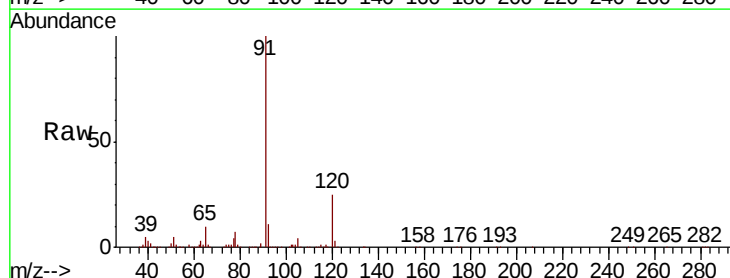
RT: 11.60 min Scan# 1112

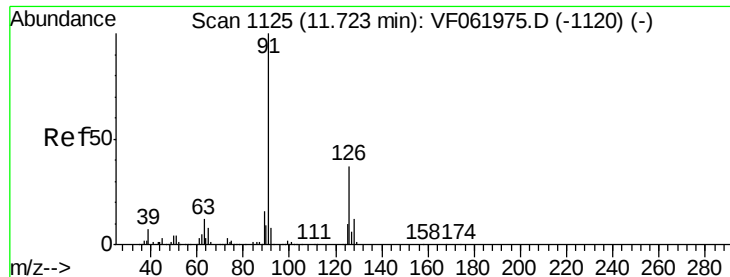
Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion:	91	Resp:	882858
Ion Ratio	Lower	Upper	
91	100		
120	24.6	11.8	35.3





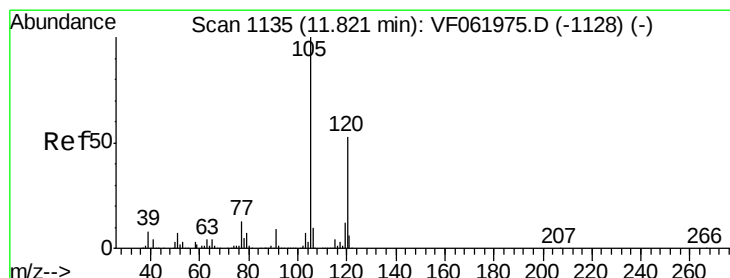
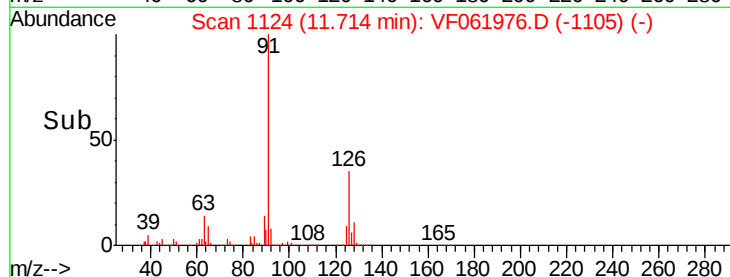
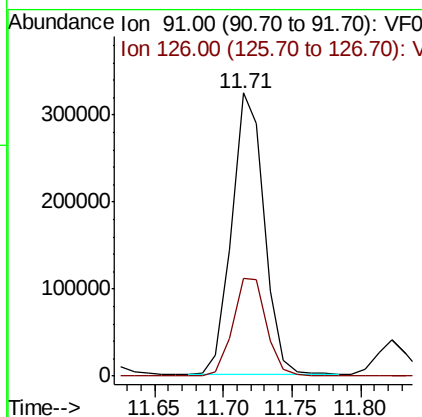
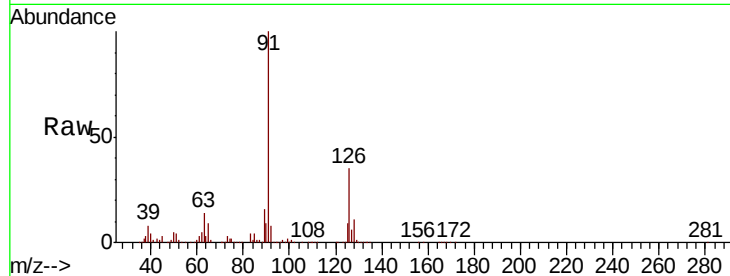
#79
 2-Chlorotoluene
 Concen: 63.692 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF061976.D
 Acq: 16 Mar 2019 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		530983		
126	34.7	18.4	55.2		

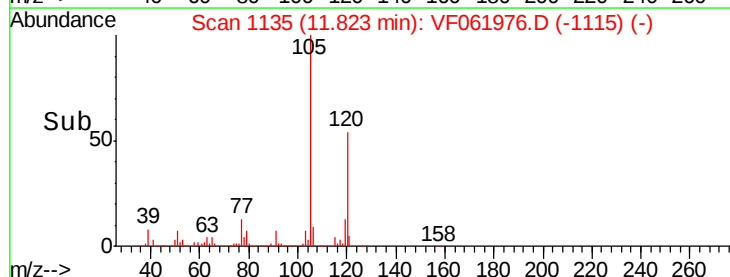
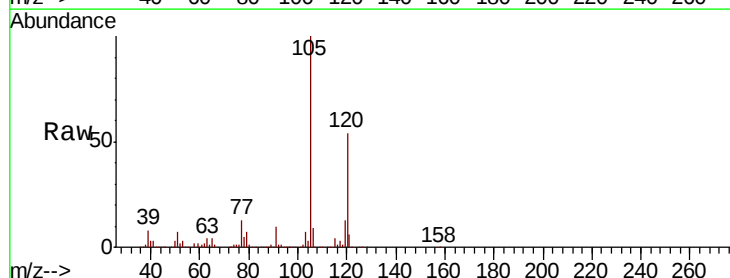
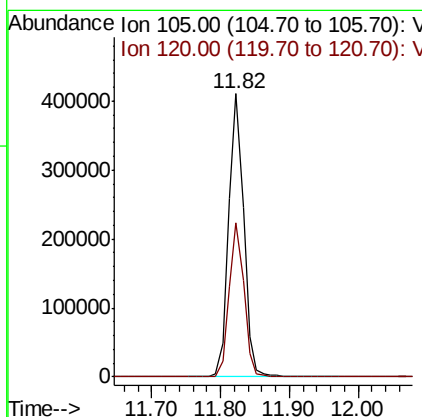
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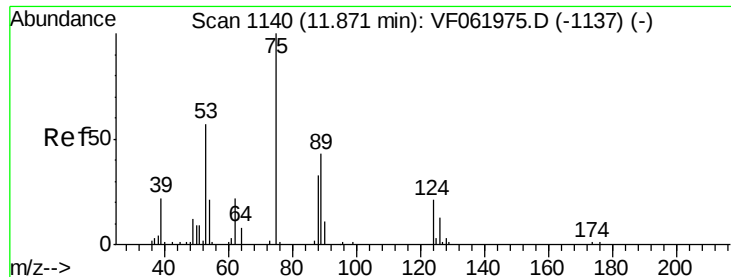
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 3/22/2019 6:19:03 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 59.749 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061976.D
 Acq: 16 Mar 2019 13:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		619944		
120	54.2	26.6	79.7		





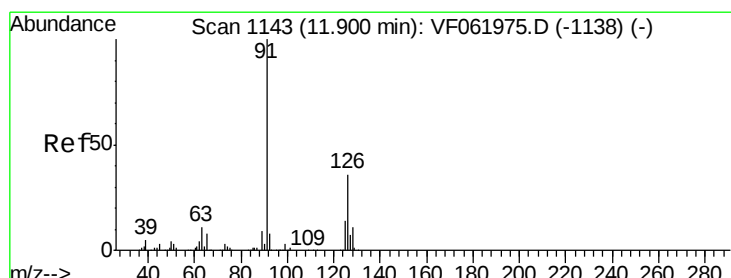
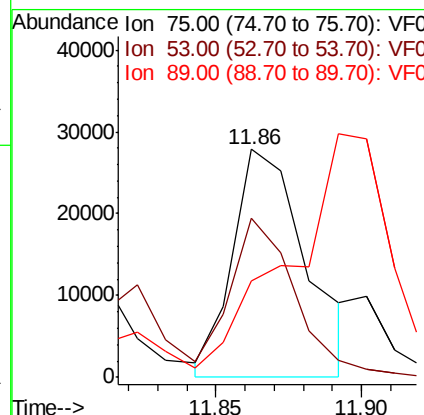
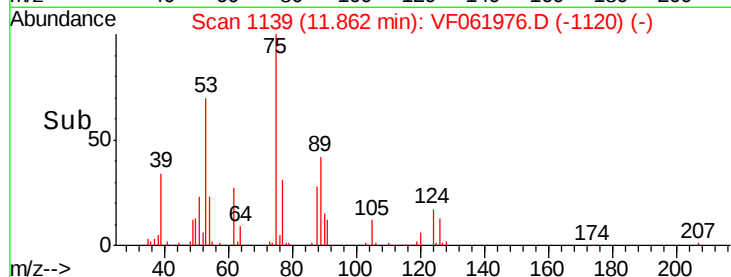
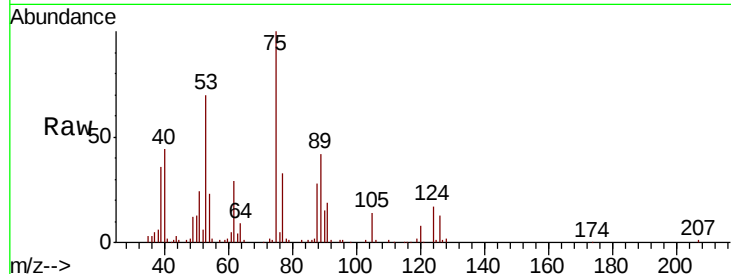
#81
trans-1,4-Dichloro-2-butene
Concen: 74.567 ug/l m
RT: 11.86 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	69.8	49.0	73.6
89	42.3	37.1	55.7

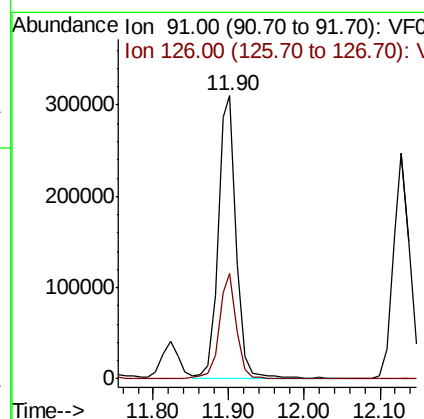
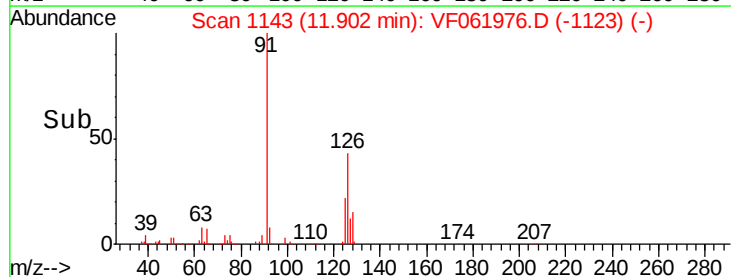
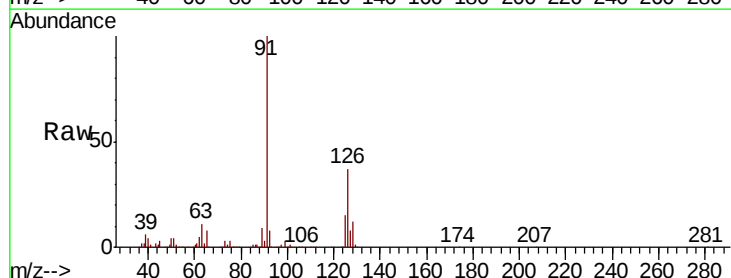
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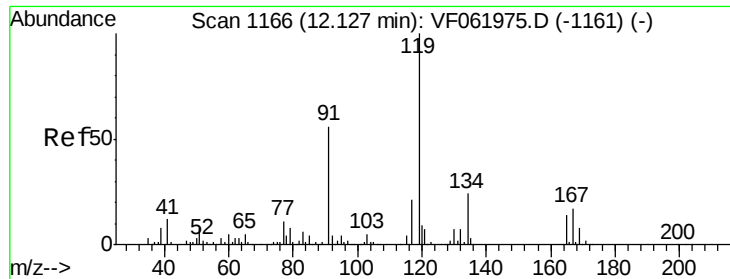
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#82
4-Chlorotoluene
Concen: 61.293 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.1	54.1





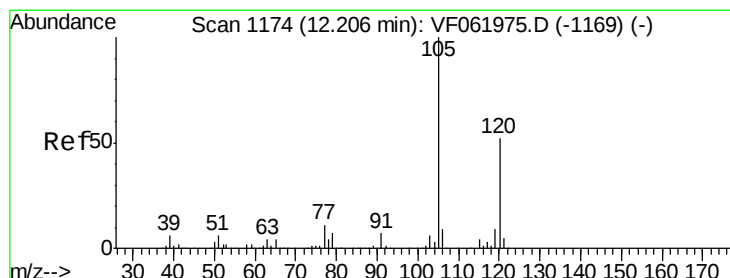
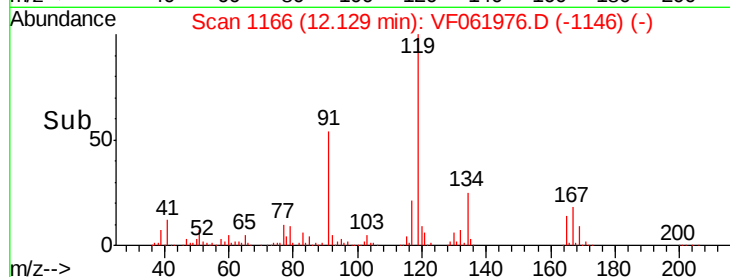
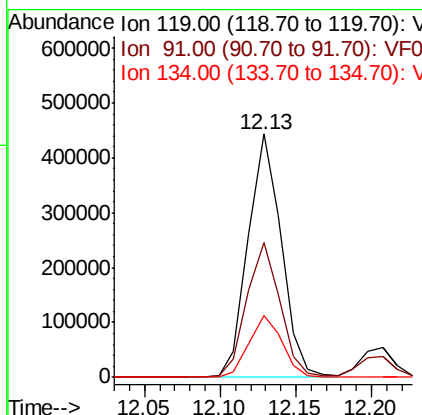
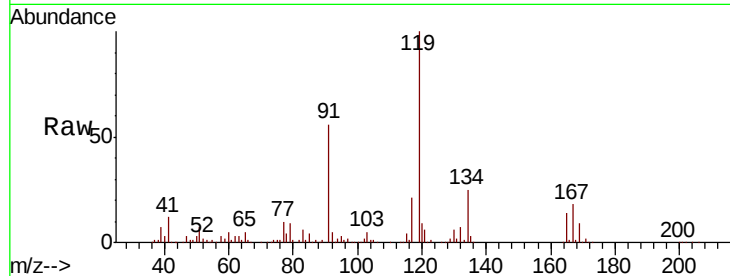
#83
 tert-Butylbenzene
 Concen: 62.981 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061976.D
 Acq: 16 Mar 2019 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
119	100	683418		
91	55.6	27.9	83.6	
134	25.5	12.3	36.8	

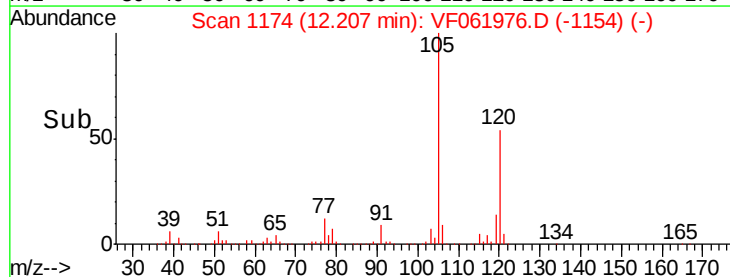
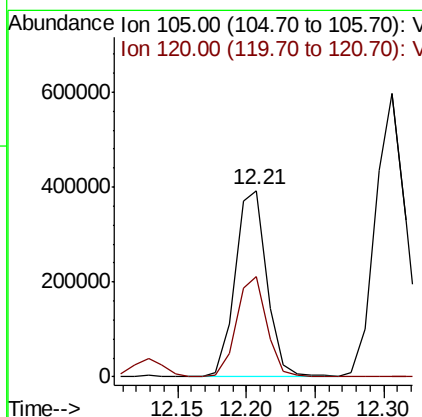
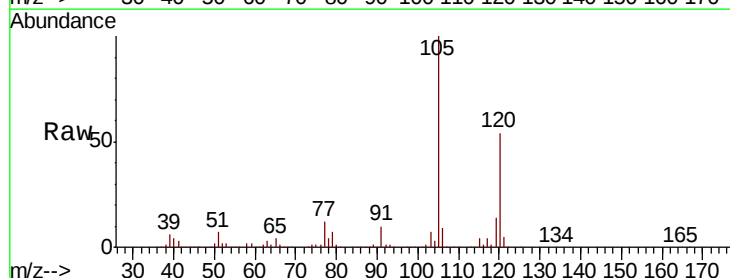
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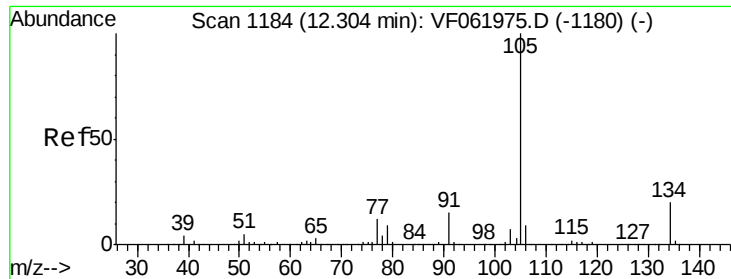
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#84
 1,2,4-Trimethylbenzene
 Concen: 60.763 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF061976.D
 Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	631494		
120	53.8	25.9	77.8	





#85

sec-Butylbenzene

Concen: 62.480 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 916013

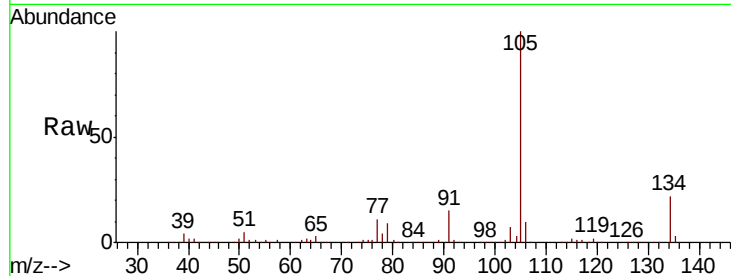
Ion Ratio Lower Upper

105 100

134 21.9 10.0 29.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.31

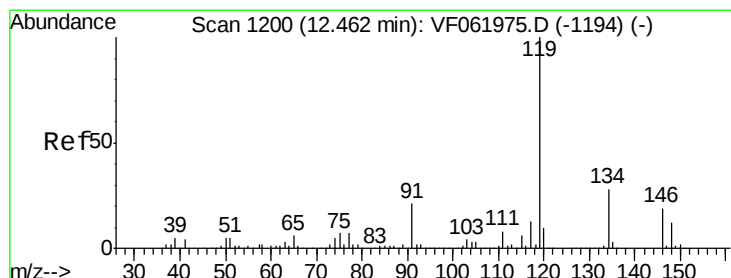
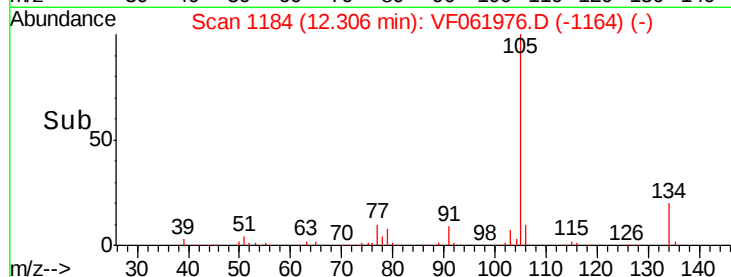
600000

400000

200000

0

Time--> 12.20 12.30 12.40



#86

p-Isopropyltoluene

Concen: 61.578 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

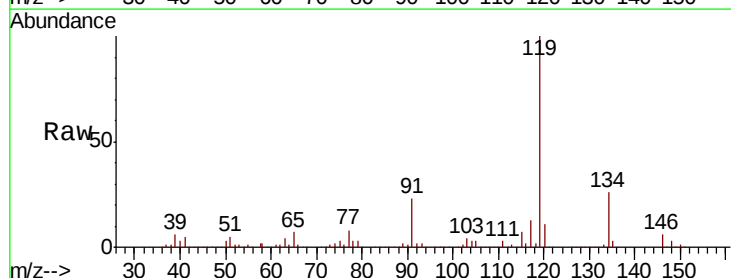
Tgt Ion:119 Resp: 753315

Ion Ratio Lower Upper

119 100

134 26.2 13.9 41.7

91 23.1 10.4 31.1



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): VF0

12.45

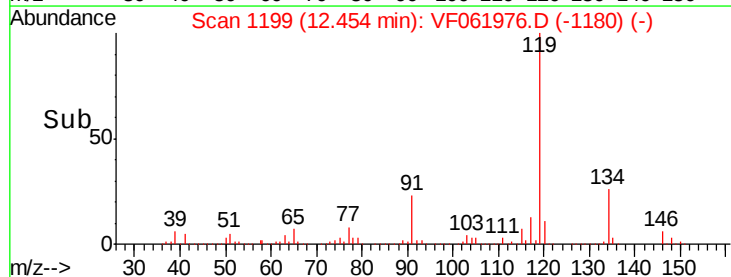
600000

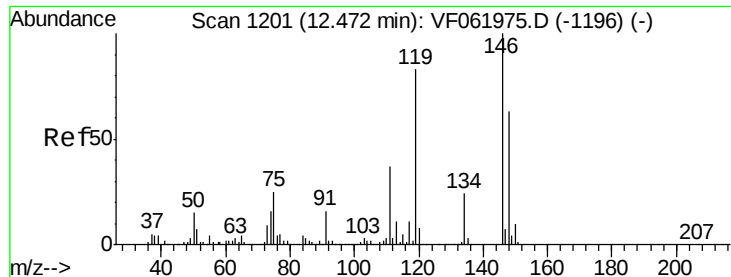
400000

200000

0

Time--> 12.30 12.40 12.50 12.60





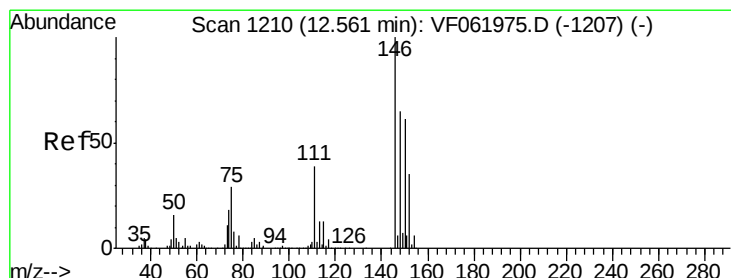
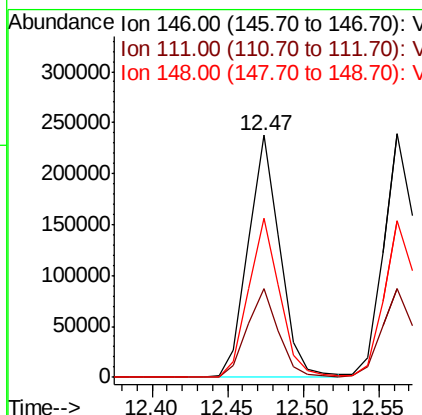
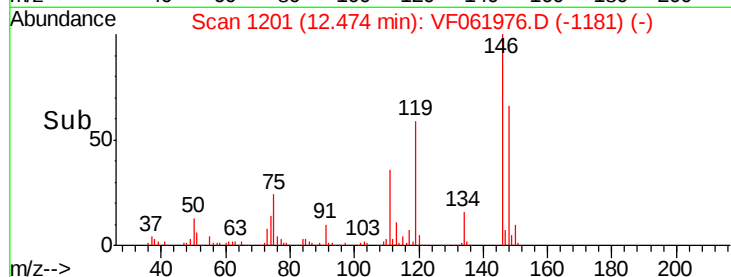
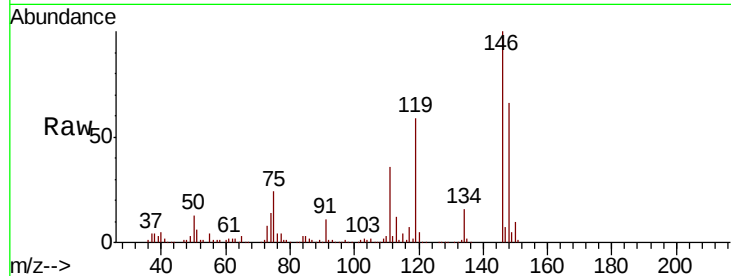
#87
 1,3-Dichlorobenzene
 Concen: 59.787 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061976.D
 Acq: 16 Mar 2019 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	55.8
148	65.9	31.3	93.9

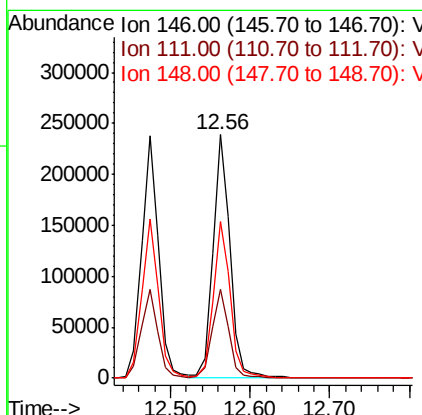
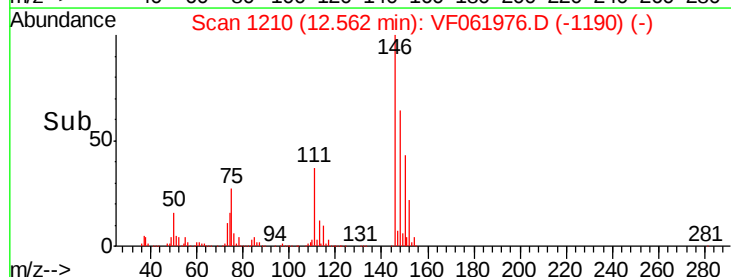
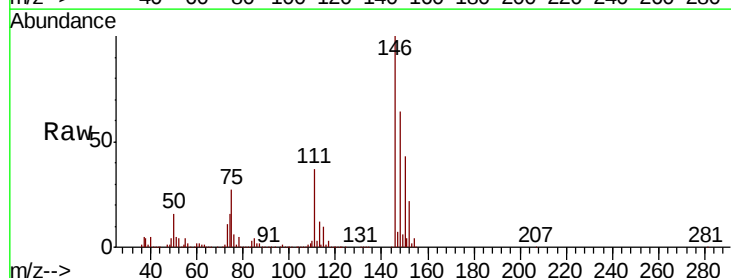
Manual Integrations
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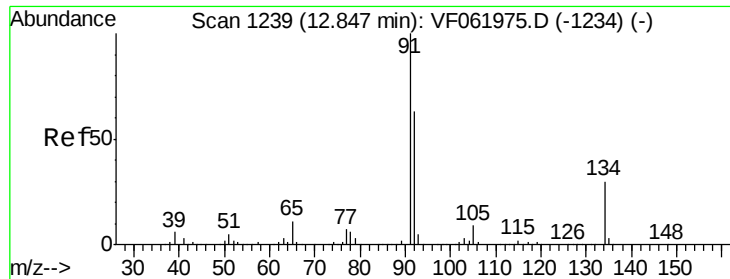
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#88
 1,4-Dichlorobenzene
 Concen: 64.073 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061976.D
 Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.4	58.1
148	64.5	32.4	97.0





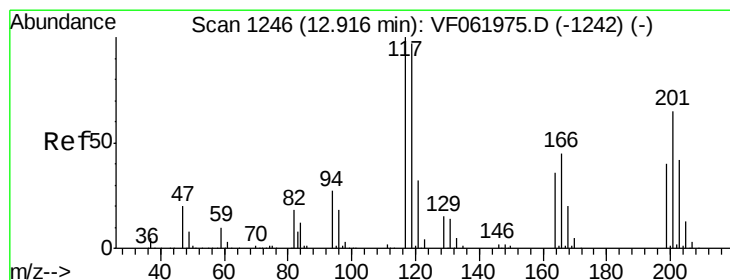
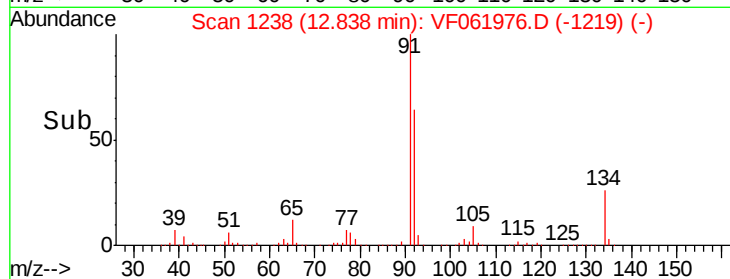
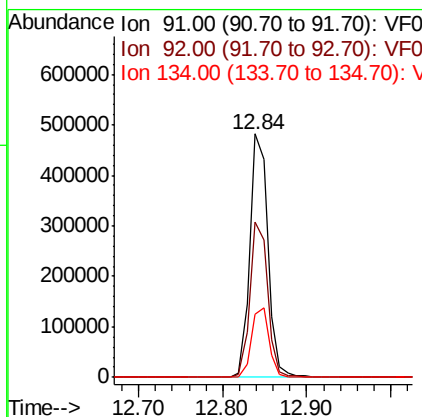
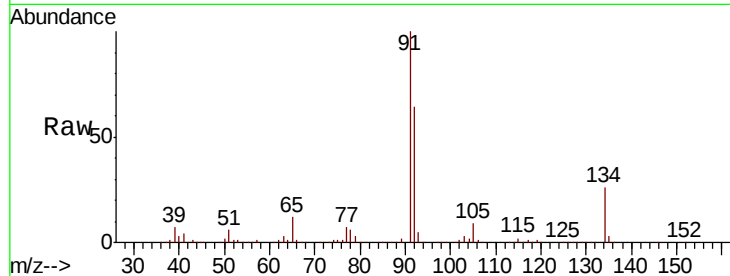
#89
n-Butylbenzene
Concen: 63.016 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.5	31.7	95.1
134	26.1	15.1	45.3

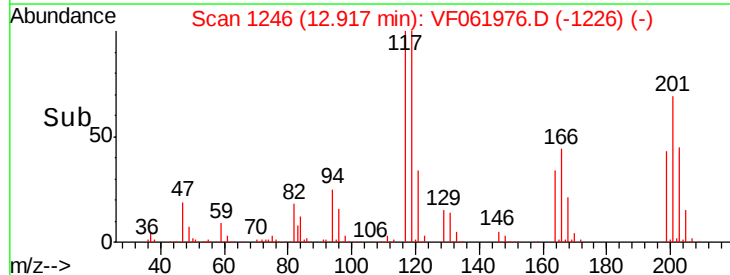
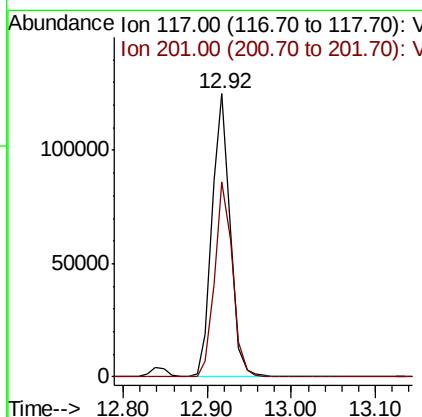
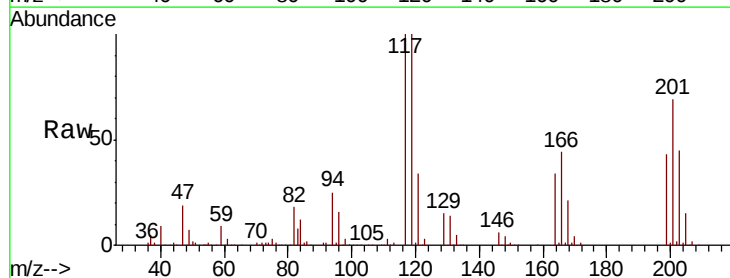
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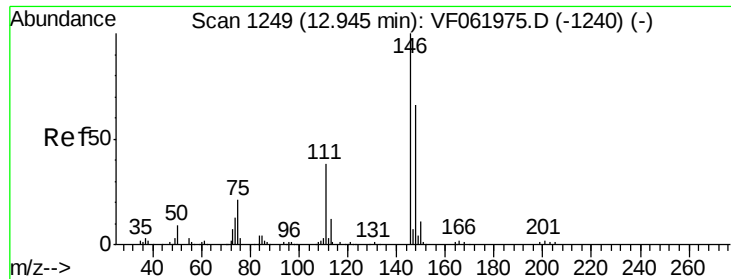
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#90
Hexachloroethane
Concen: 66.697 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061976.D
Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.0	32.5	97.5





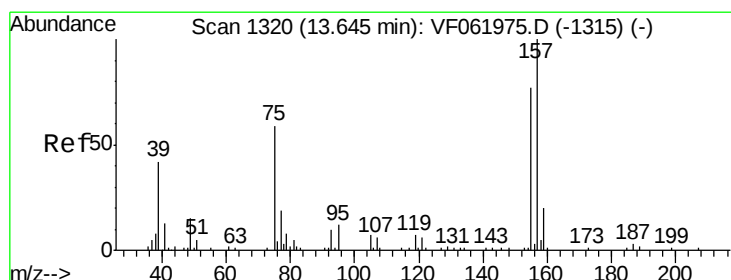
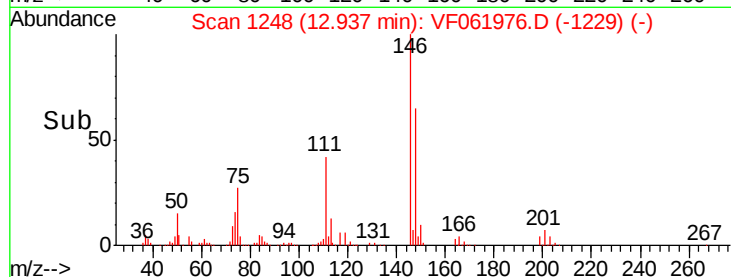
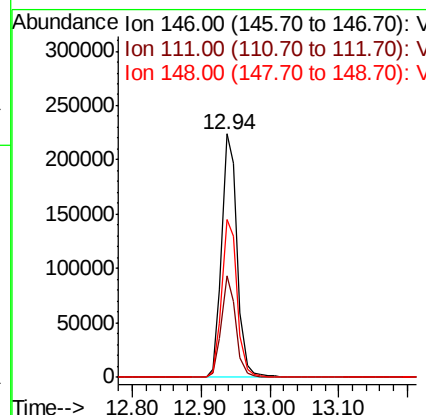
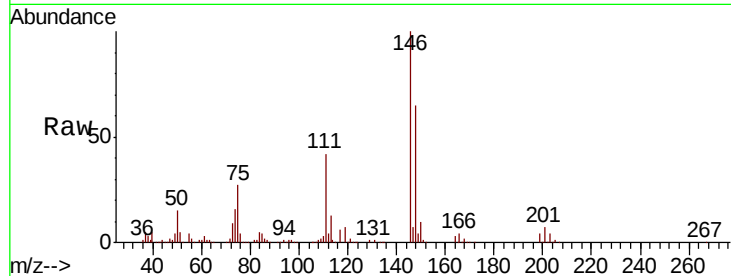
#91
 1,2-Dichlorobenzene
 Concen: 64.394 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061976.D
 Acq: 16 Mar 2019 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	18.9	56.5
148	64.7	32.9	98.6

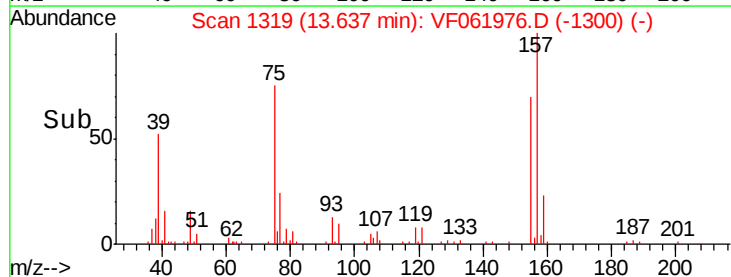
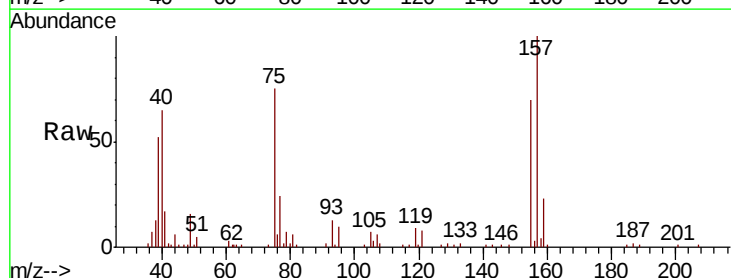
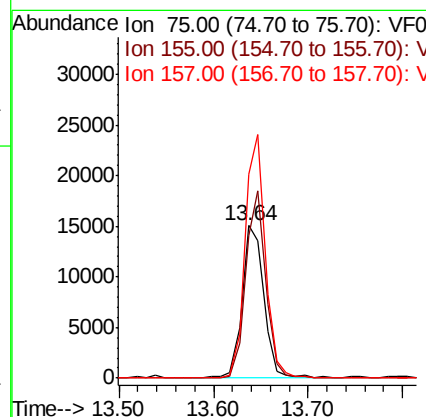
Manual Integrations
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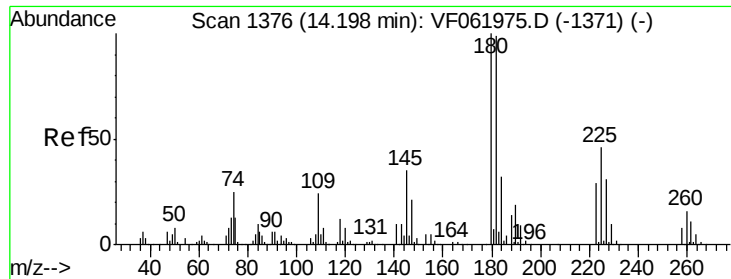
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 70.529 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061976.D
 Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	65.0	195.1
157	133.9	84.7	254.0





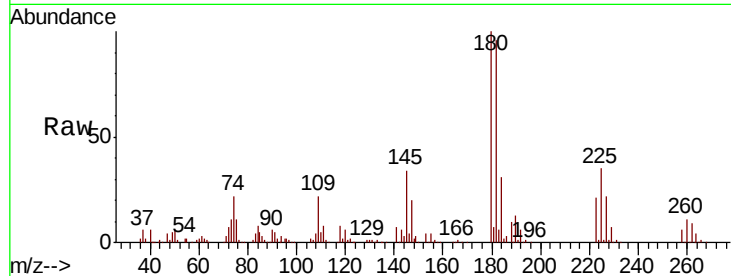
#93
 1,2,4-Trichlorobenzene
 Concen: 64.814 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061976.D
 Acq: 16 Mar 2019 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	244392		
182	96.4	49.6	149.0	
145	34.1	17.5	52.5	

Manual Integrations
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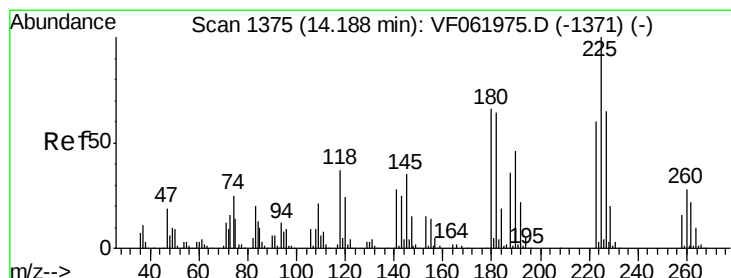
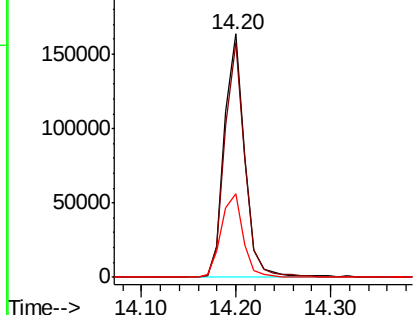
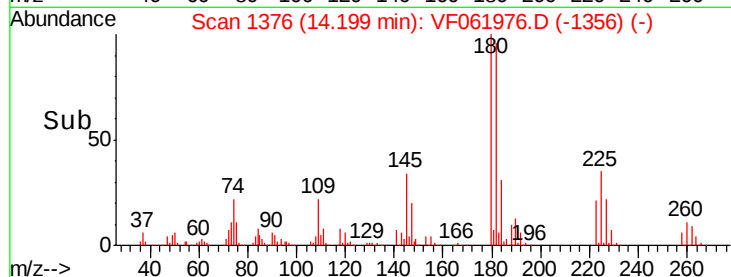


Abundance

Ion 180.00 (179.70 to 180.70): V

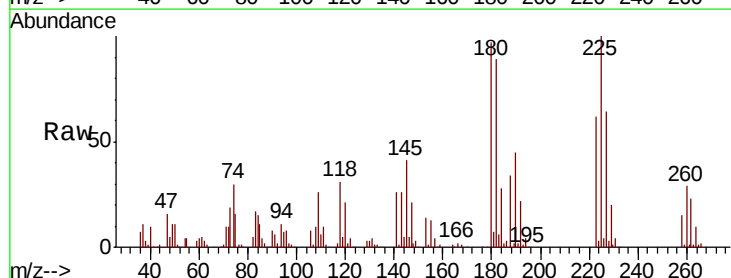
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 63.368 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061976.D
 Acq: 16 Mar 2019 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	158624		
223	62.4	29.9	89.7	
227	63.5	32.4	97.2	

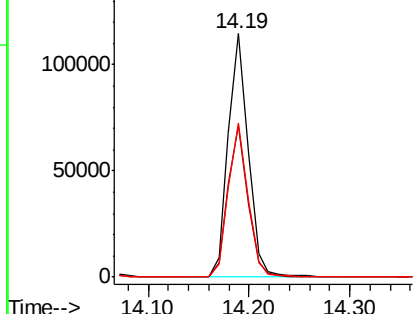
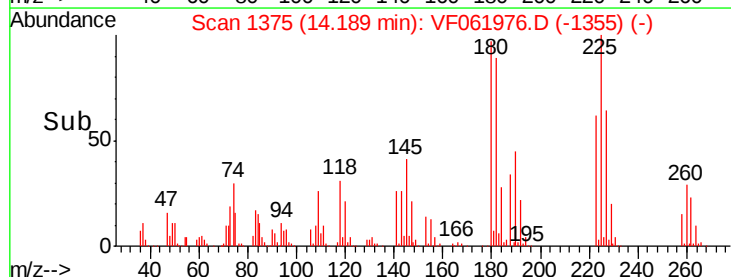


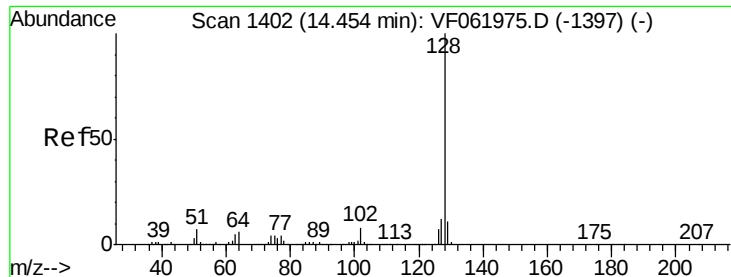
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 71.976 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Instrument :

MSVOA_F

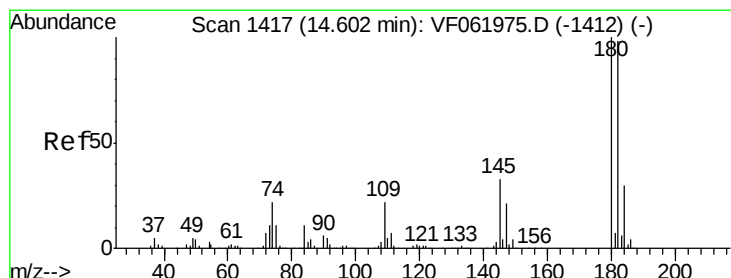
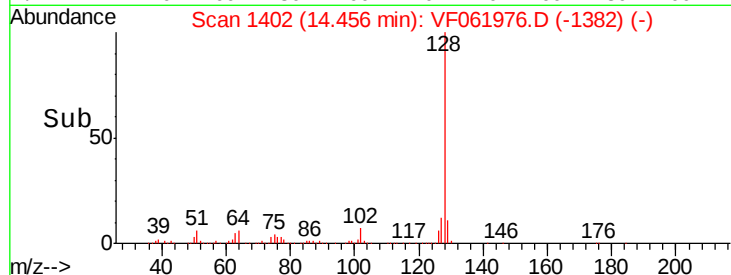
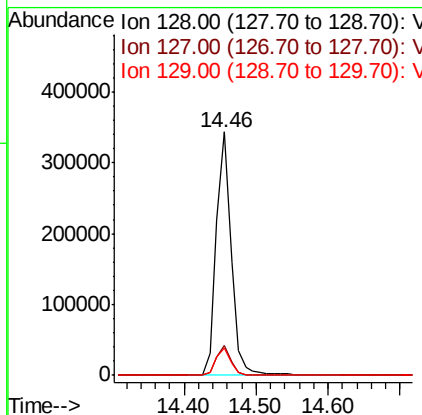
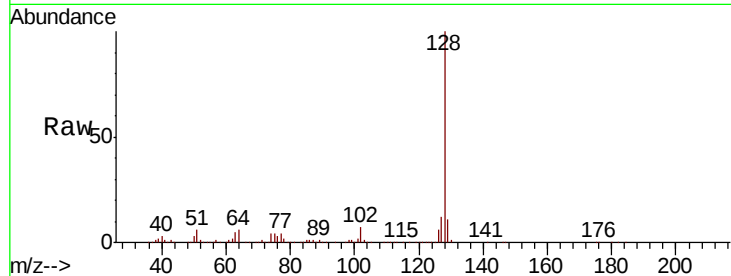
ClientSampleId :

VSTDIC075

Tot Ion:	128	Resp:	488114
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.3	13.9
129	11.1	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
3/22/2019 6:19:03 PM



#96

1,2,3-Trichlorobenzene

Concen: 69.638 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF061976.D

Acq: 16 Mar 2019 13:22

Tgt Ion:	180	Resp:	241577
Ion Ratio	Lower	Upper	
180	100		
182	102.1	48.9	146.8
145	32.8	16.7	50.1

