

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061973.D
 Acq On : 16 Mar 2019 11:11
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:18:46 PM

Quant Time: Mar 22 03:13:24 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	271420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	413374	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	357267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	193423	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	18813	9.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.26%	
35) Dibromofluoromethane	4.11	113	28417	10.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.48%	
50) Toluene-d8	7.56	98	87911	10.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.66%	
62) 4-Bromofluorobenzene	11.41	95	36098	11.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.40%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.96	85	33543	11.593	ug/l	100
3) Chloromethane	1.10	50	32784	11.150	ug/l	96
4) Vinyl Chloride	1.14	62	33580	11.808	ug/l	97
5) Bromomethane	1.31	94	23604	11.815	ug/l	94
6) Chloroethane	1.38	64	16752	11.411	ug/l	91
7) Trichlorofluoromethane	1.48	101	39070	10.370	ug/l	85
8) Diethyl Ether	1.63	74	9375	11.193	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	29262	11.024	ug/l	96
10) Methyl Iodide	1.90	142	50832m	10.941	ug/l	
11) Tert butyl alcohol	2.58	59	6122	51.207	ug/l #	79
12) 1,1-Dichloroethene	1.79	96	26334	11.496	ug/l	84
13) Acrolein	2.00	56	7605	58.925	ug/l	89
14) Allyl chloride	2.09	41	29614	10.127	ug/l	90
15) Acrylonitrile	2.94	53	19570	53.829	ug/l	99
16) Acetone	2.23	43	23339	53.197	ug/l	99
17) Carbon Disulfide	1.82	76	73892	11.153	ug/l #	93
18) Methyl Acetate	2.35	43	9993	10.723	ug/l	92
19) Methyl tert-butyl Ether	2.43	73	43163	10.398	ug/l	97
20) Methylene Chloride	2.17	84	24500m	10.847	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	25635	10.723	ug/l	95
22) Diisopropyl ether	2.80	45	74874	10.645	ug/l #	96
23) Vinyl Acetate	3.19	43	142826	51.511	ug/l	99
24) 1,1-Dichloroethane	2.87	63	46088	11.269	ug/l #	98
25) 2-Butanone	4.34	43	47292	54.428	ug/l	96
26) 2,2-Dichloropropane	3.59	77	20663	10.711	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	32203	10.688	ug/l	99
28) Bromochloromethane	3.72	49	18423	10.856	ug/l	97
29) Tetrahydrofuran	4.07	42	20308	53.742	ug/l	92
30) Chloroform	3.86	83	48521	10.471	ug/l	99
31) Cyclohexane	3.69	56	44158m	11.020	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	28842	9.372	ug/l	90
36) 1,1-Dichloropropene	4.27	75	39059	10.463	ug/l	97
37) Ethyl Acetate	4.10	43	18609	11.102	ug/l	96
38) Carbon Tetrachloride	3.99	117	28397	10.409	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	46933	10.709	ug/l	94
40) Benzene	4.64	78	106574	10.774	ug/l	97
41) Methacrylonitrile	4.75	41	10168	11.354	ug/l #	74
42) 1,2-Dichloroethane	4.94	62	24661	10.015	ug/l	94
43) Isopropyl Acetate	6.96	43	20883	10.530	ug/l #	97
44) Trichloroethene	5.49	130	33061	10.911	ug/l	97
45) 1,2-Dichloropropane	6.22	63	23177	9.901	ug/l #	88
46) Dibromomethane	6.09	93	14018	10.066	ug/l #	81
47) Bromodichloromethane	6.38	83	35892	10.933	ug/l #	98
48) Methyl methacrylate	6.72	41	14211	11.088	ug/l	94
49) 1,4-Dioxane	6.71	88	2194	192.445	ug/l #	62
51) 4-Methyl-2-Pentanone	8.27	43	71649	50.878	ug/l	100
52) Toluene	7.62	92	62605	10.359	ug/l	93
53) t-1,3-Dichloropropene	8.27	75	28452	10.265	ug/l	93
54) cis-1,3-Dichloropropene	7.30	75	37865	10.470	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	18166	10.770	ug/l	92
56) Ethyl methacrylate	8.62	69	19651	10.248	ug/l	91
57) 1,3-Dichloropropane	8.86	76	29352	10.432	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	16698	48.078	ug/l #	84
59) 2-Hexanone	9.50	43	56168	55.112	ug/l	94
60) Dibromochloromethane	8.72	129	22729	9.706	ug/l	99
61) 1,2-Dibromoethane	8.98	107	19104	10.559	ug/l	100
64) Tetrachloroethene	8.16	164	26282	10.120	ug/l	93
65) Chlorobenzene	9.79	112	68936	10.364	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	26585	10.311	ug/l	95
67) Ethyl Benzene	9.90	91	119801	10.519	ug/l	98
68) m/p-Xylenes	10.13	106	90478	21.122	ug/l	83
69) o-Xylene	10.71	106	50904	11.106	ug/l	98
70) Styrene	10.79	104	69237	10.903	ug/l	96
71) Bromoform	10.77	173	13136	10.073	ug/l	99
73) Isopropylbenzene	11.12	105	139973	10.475	ug/l	96
74) N-amyl acetate	11.37	43	31548	10.303	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.70	83	22445	10.176	ug/l	89
76) 1,2,3-Trichloropropane	11.80	75	16903	10.959	ug/l	97
77) Bromobenzene	11.50	156	31364	10.135	ug/l	94
78) n-propylbenzene	11.60	91	167386	10.894	ug/l	100
79) 2-Chlorotoluene	11.72	91	95059	10.960	ug/l	92
80) 1,3,5-Trimethylbenzene	11.82	105	115686	10.717	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	6667m	9.771	ug/l	
82) 4-Chlorotoluene	11.90	91	96009	10.947	ug/l	97
83) tert-Butylbenzene	12.13	119	117591	10.417	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	120156	11.113	ug/l	91
85) sec-Butylbenzene	12.31	105	166070	10.888	ug/l	100
86) p-Isopropyltoluene	12.46	119	139724	10.979	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	67212	11.051	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	60685	10.366	ug/l	97
89) n-Butylbenzene	12.84	91	128068	10.709	ug/l	94
90) Hexachloroethane	12.92	117	28645	9.863	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	61124	10.851	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	3596	10.160	ug/l	83

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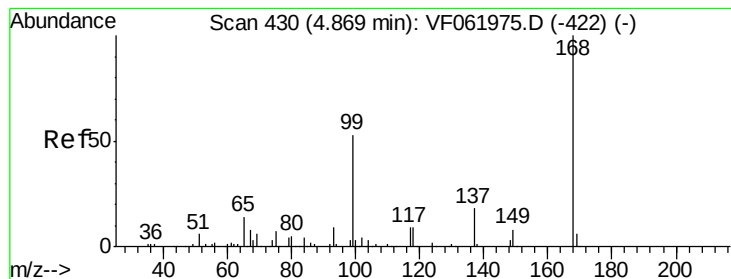
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	42297	10.783	ug/l	91
94) Hexachlorobutadiene	14.19	225	27461	10.545	ug/l	96
95) Naphthalene	14.46	128	68779	9.749	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	36451	10.100	ug/l	96

(#) = 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: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 271420

Ion Ratio Lower Upper

168 100

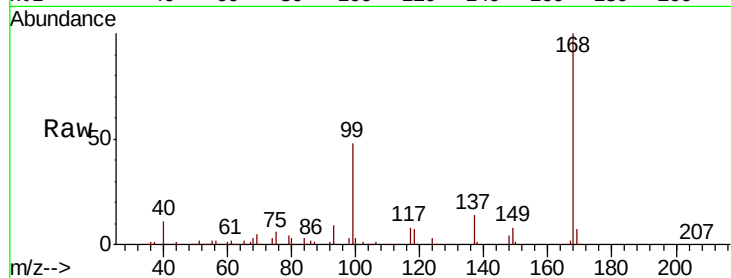
99 48.2 42.4 63.6

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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

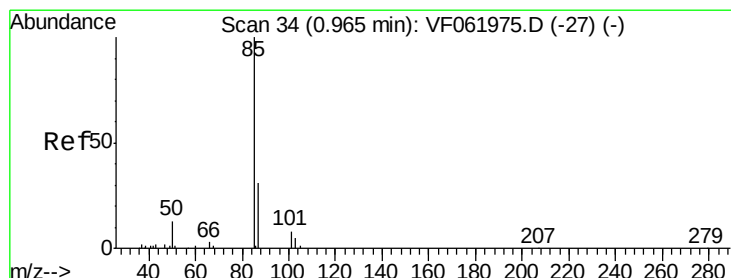
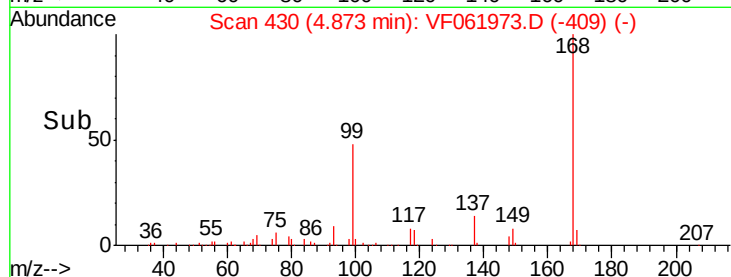
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 11.593 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061973.D

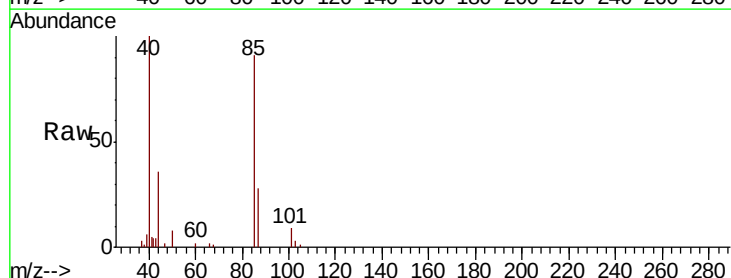
Acq: 16 Mar 2019 11:11

Tgt Ion: 85 Resp: 33543

Ion Ratio Lower Upper

85 100

87 31.0 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

12000

10000

8000

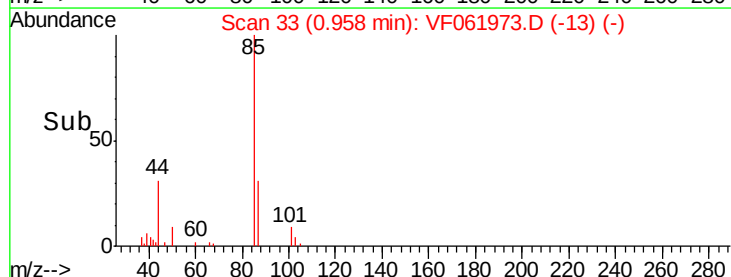
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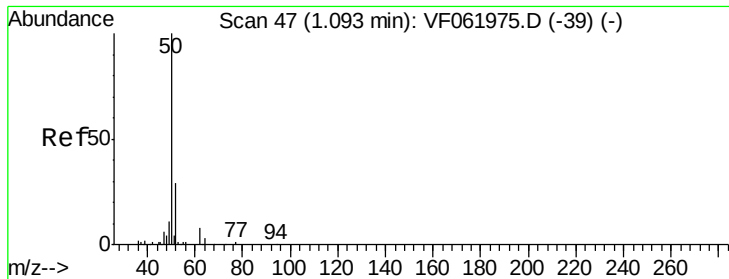
4000

2000

0

Time--> 0.90 1.00 1.10





#3

Chloromethane

Concen: 11.150 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 32784

Ion Ratio Lower Upper

50 100

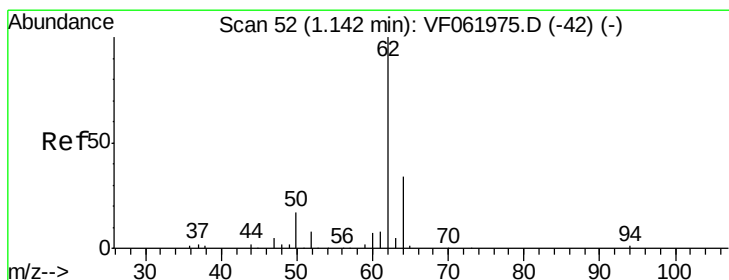
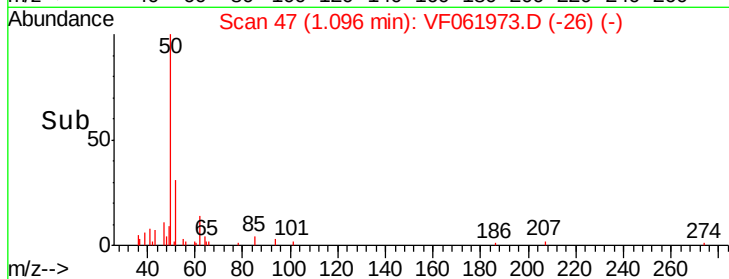
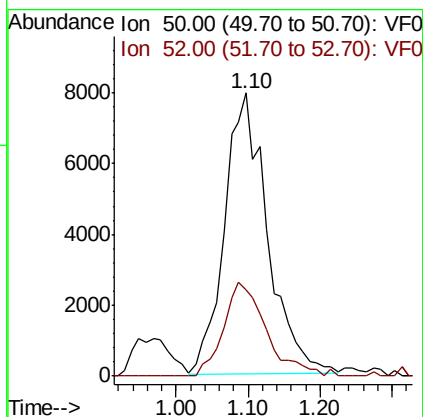
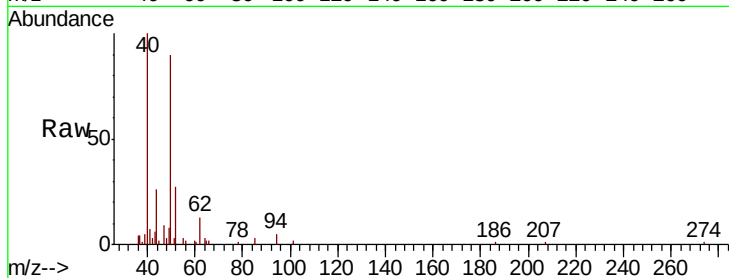
52 30.5 22.6 34.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 11.808 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061973.D

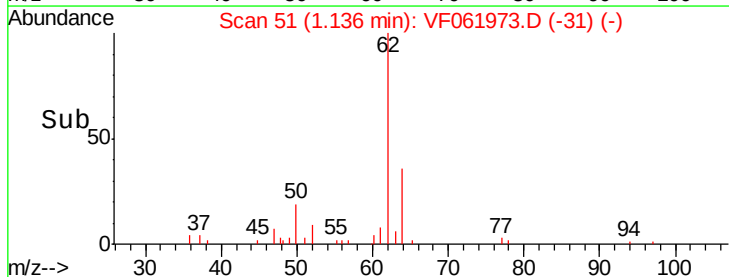
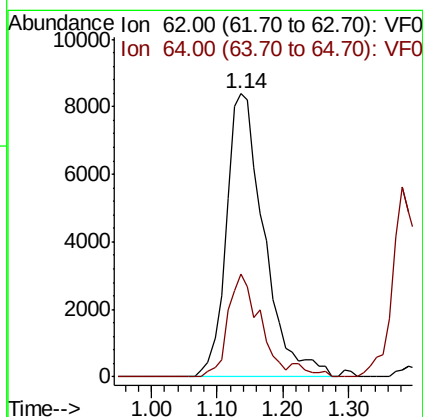
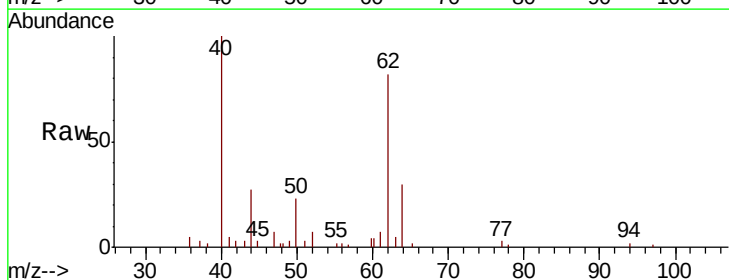
Acq: 16 Mar 2019 11:11

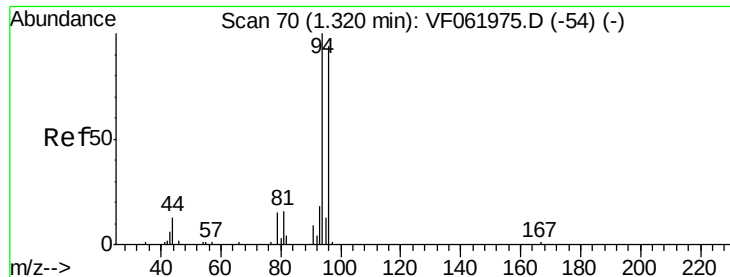
Tgt Ion: 62 Resp: 33580

Ion Ratio Lower Upper

62 100

64 36.2 27.4 41.2





#5

Bromomethane

Concen: 11.815 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 23604

Ion Ratio Lower Upper

94 100

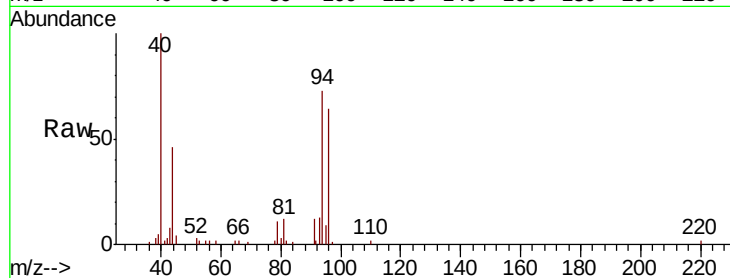
96 87.8 75.0 112.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

6000

5000

4000

3000

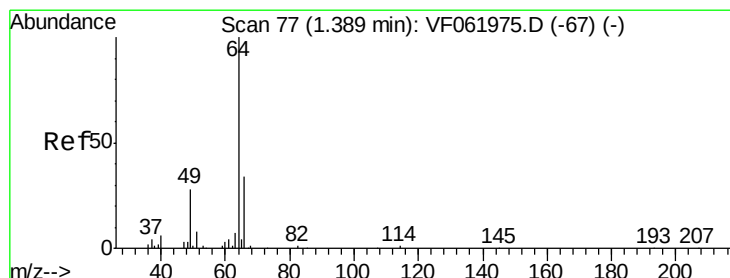
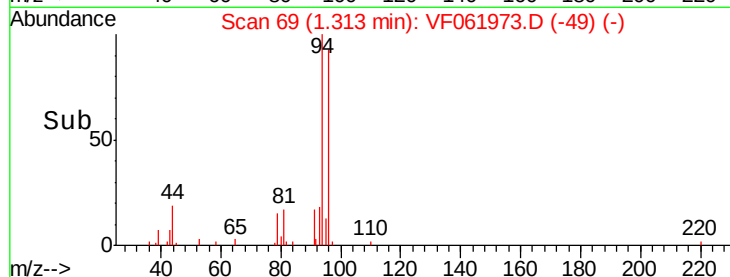
2000

1000

0

1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 11.411 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061973.D

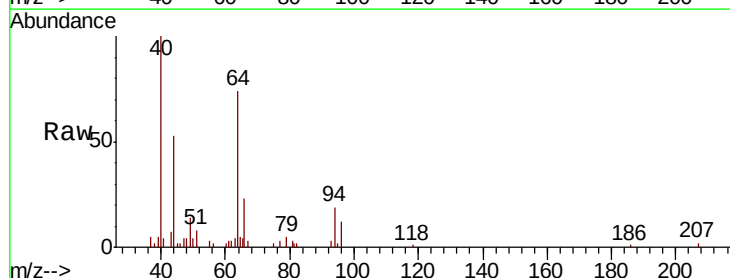
Acq: 16 Mar 2019 11:11

Tgt Ion: 64 Resp: 16752

Ion Ratio Lower Upper

64 100

66 29.3 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

6000

5000

4000

3000

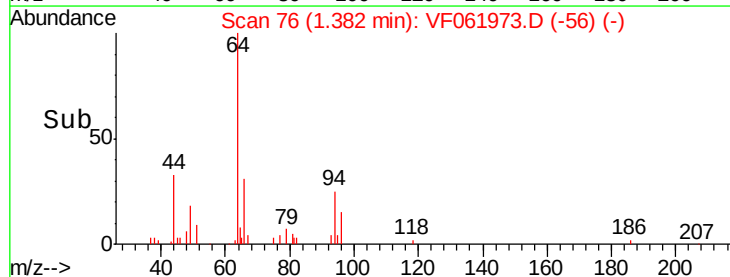
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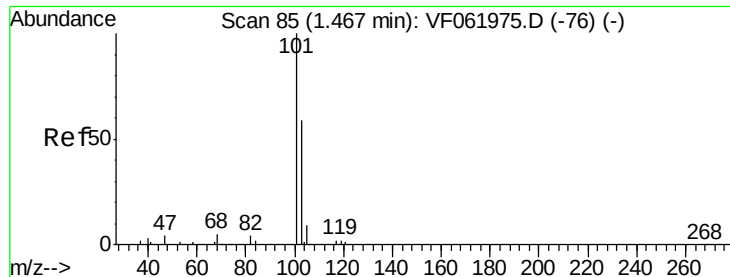
1000

0

1.30 1.40 1.50

Time-->





#7

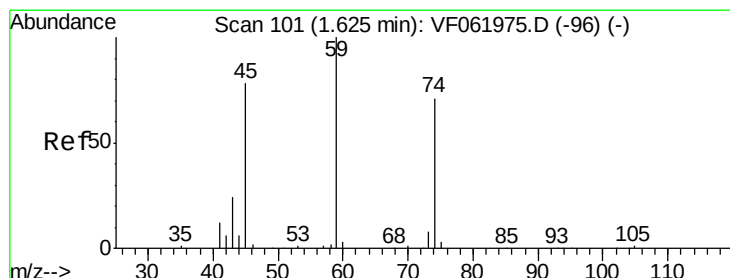
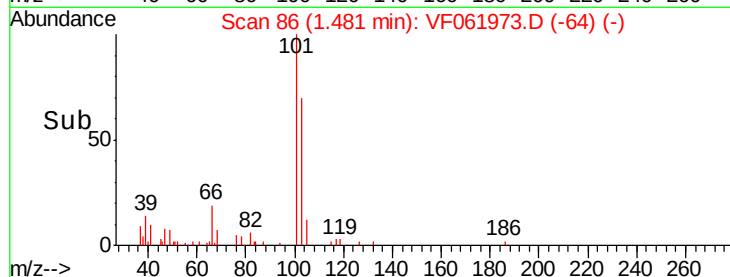
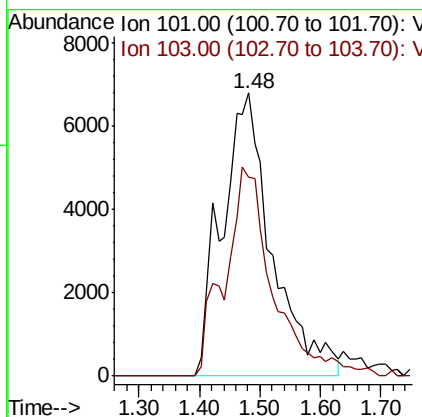
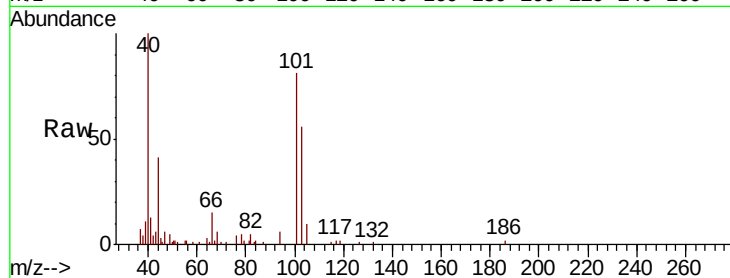
Trichlorofluoromethane
Concen: 10.370 ug/l
RT: 1.48 min Scan# 86
Delta R.T. 0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	70.2	47.3	70.9

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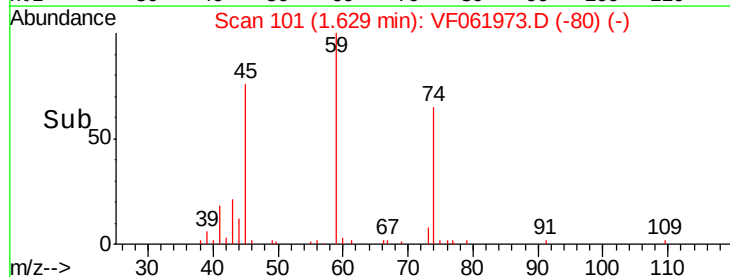
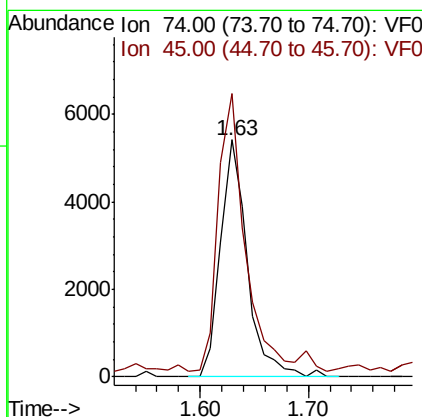
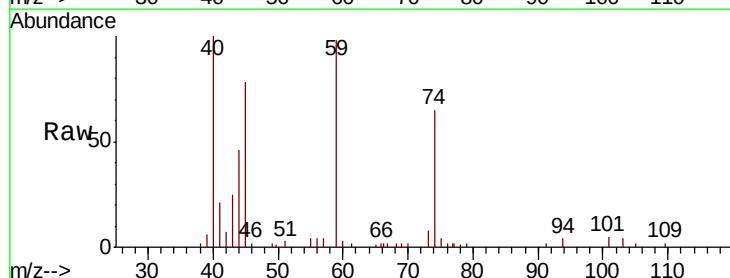
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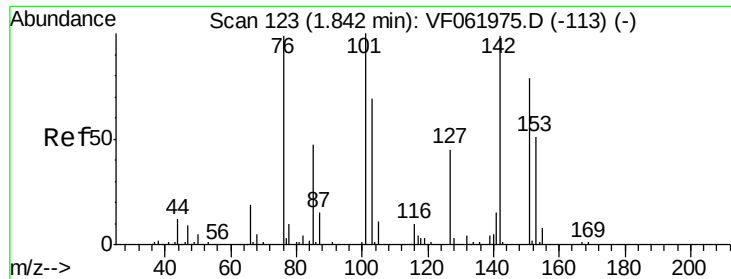


#8

Diethyl Ether
Concen: 11.193 ug/l
RT: 1.63 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.6	56.3	168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.024 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

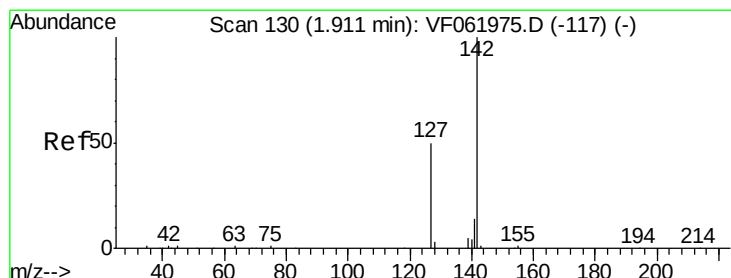
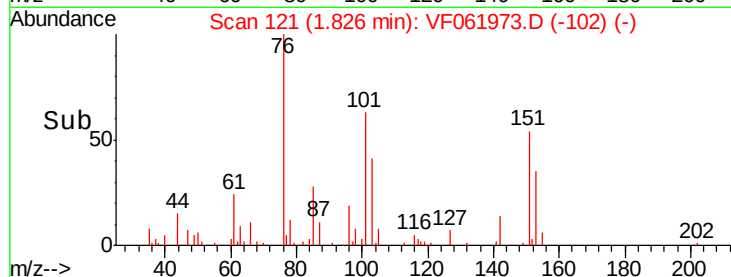
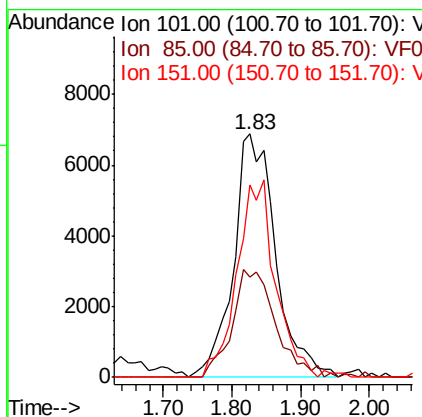
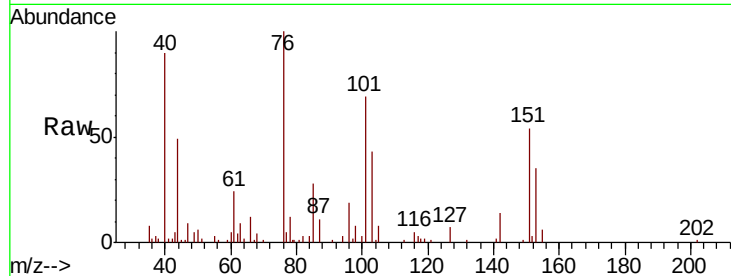
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	29262
Ion Ratio	Lower	Upper	
101	100		
85	40.9	36.8	55.2
151	78.8	62.2	93.2

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#10

Methyl Iodide

Concen: 10.941 ug/l m

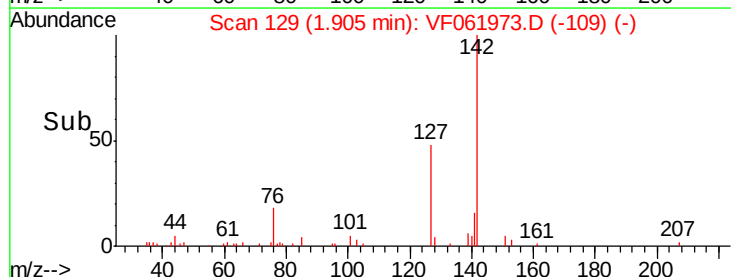
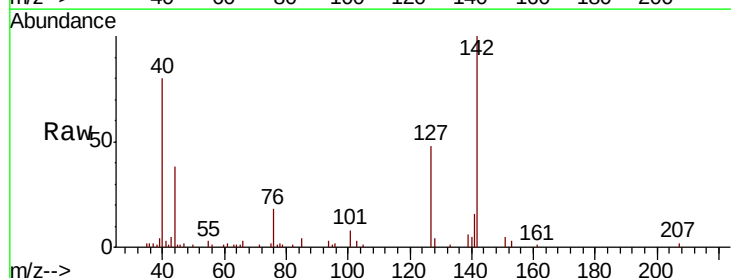
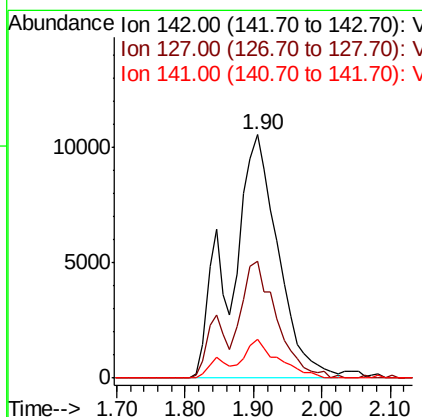
RT: 1.90 min Scan# 129

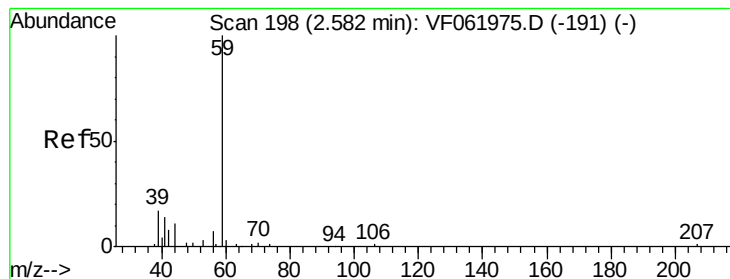
Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion:	142	Resp:	50832
Ion Ratio	Lower	Upper	
142	100		
127	47.9	39.7	59.5
141	15.8	10.8	16.2





#11

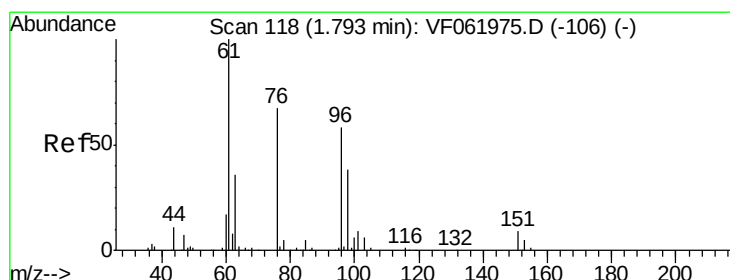
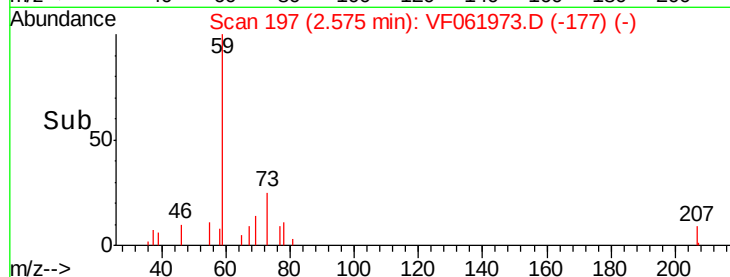
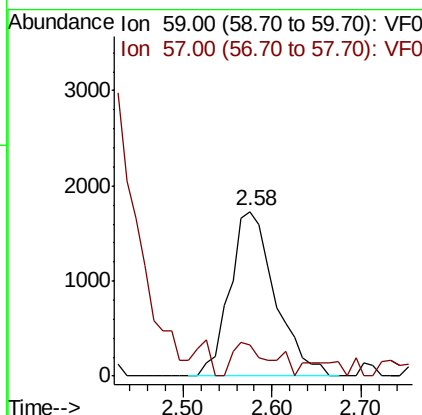
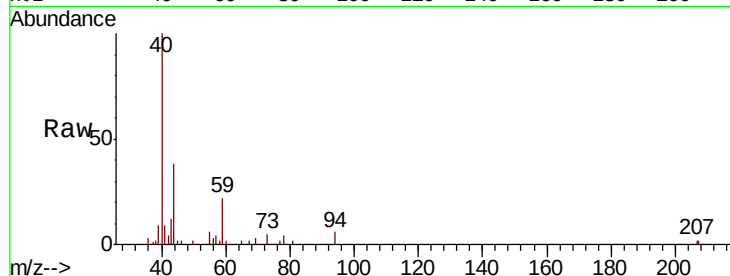
Tert butyl alcohol
Concen: 51.207 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 6122
Ion Ratio Lower Upper
59 100
57 19.0 8.7 13.1#

Manual Integrations
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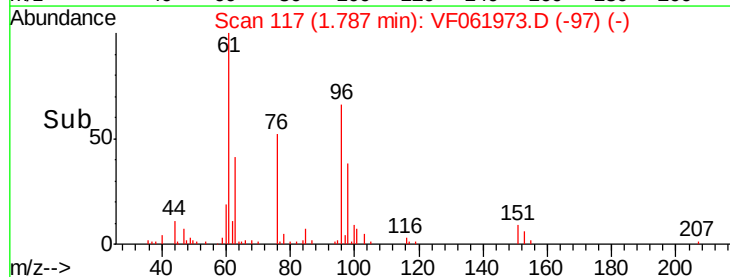
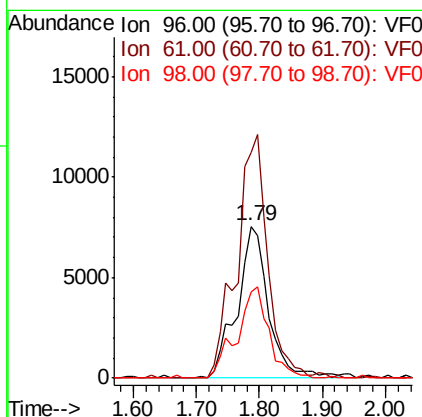
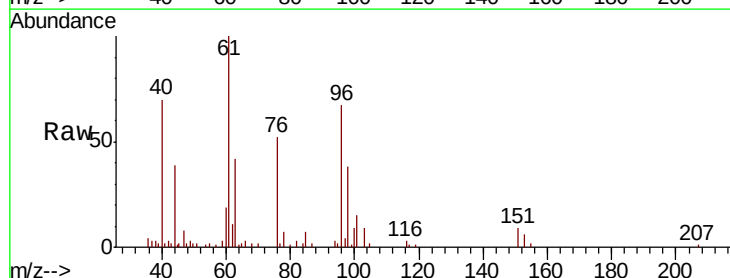
MMDadoda
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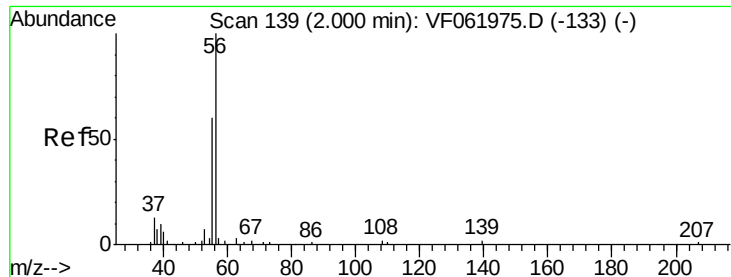


#12

1,1-Dichloroethene
Concen: 11.496 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion: 96 Resp: 26334
Ion Ratio Lower Upper
96 100
61 149.2 138.6 208.0
98 56.7 53.2 79.8





#13

Acrolein

Concen: 58.925 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 7605

Ion Ratio Lower Upper

56 100

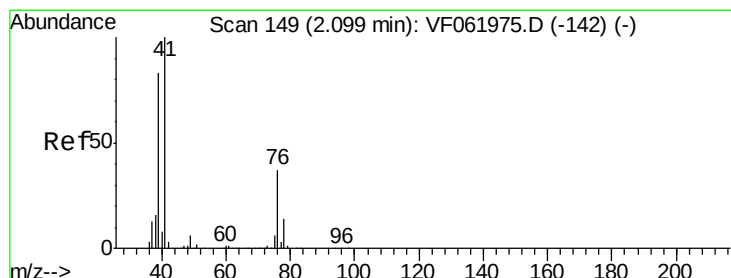
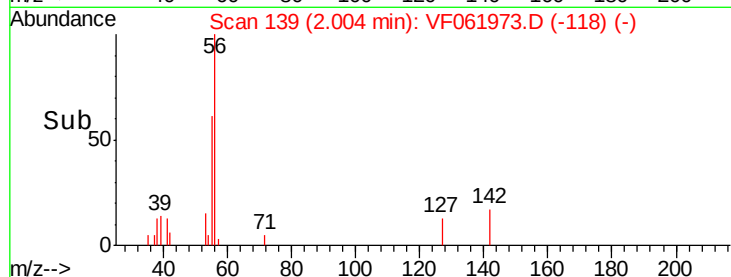
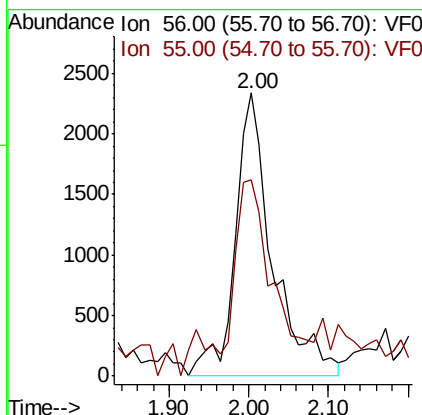
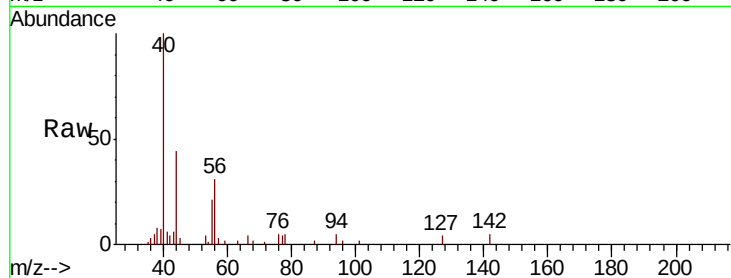
55 69.5 49.1 73.7

Manual Integrations

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#14

Allyl chloride

Concen: 10.127 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

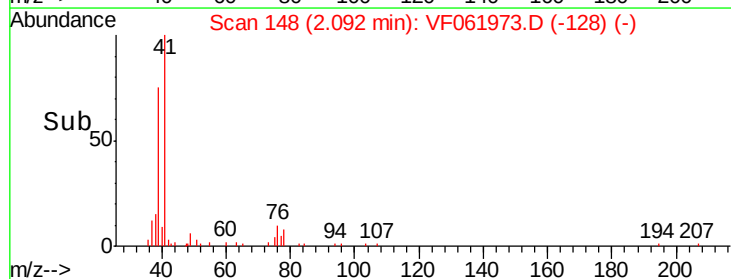
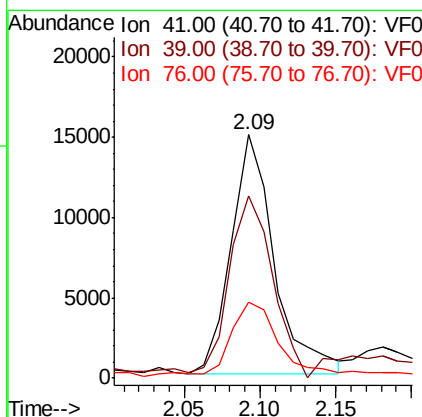
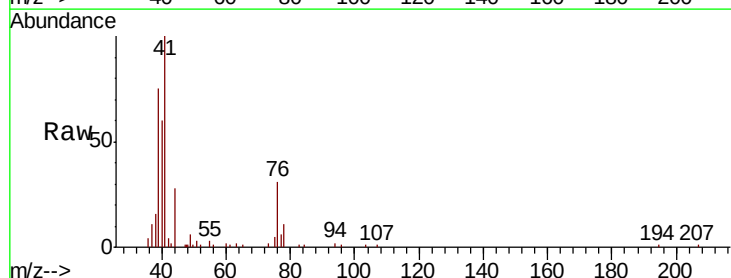
Tgt Ion: 41 Resp: 29614

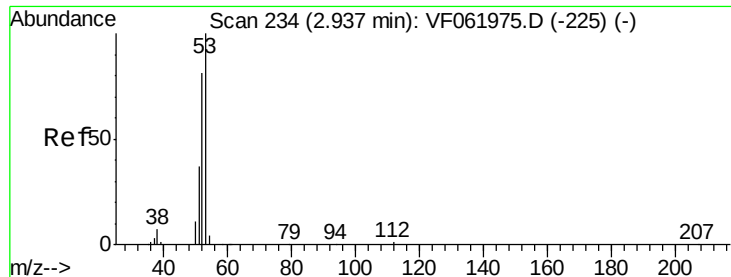
Ion Ratio Lower Upper

41 100

39 75.0 66.8 100.2

76 31.4 31.1 46.7





#15

Acrylonitrile

Concen: 53.829 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

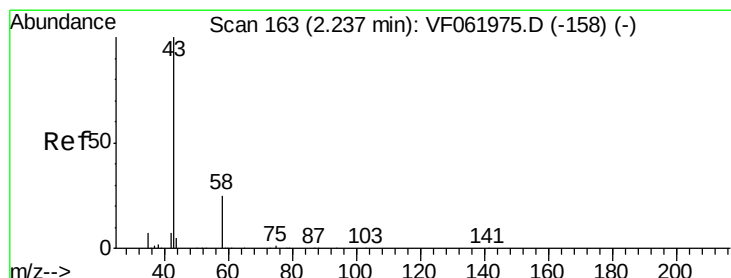
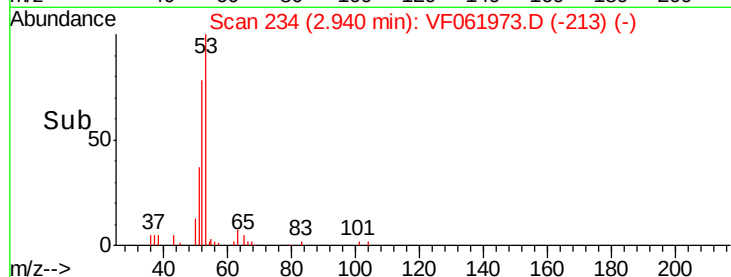
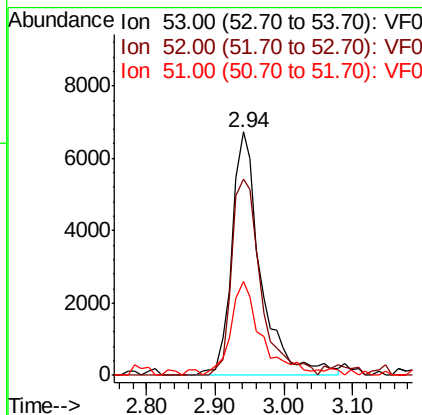
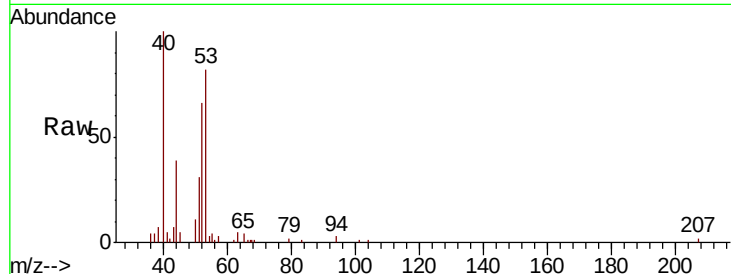
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	19570
Ion	Ratio	Lower	Upper
53	100		
52	80.8	64.4	96.6
51	38.5	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 53.197 ug/l

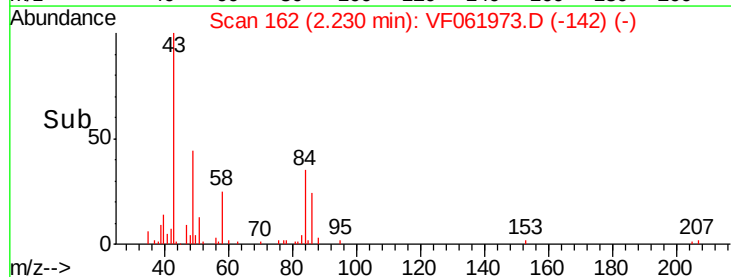
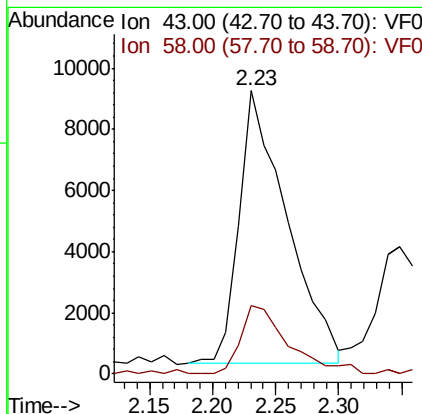
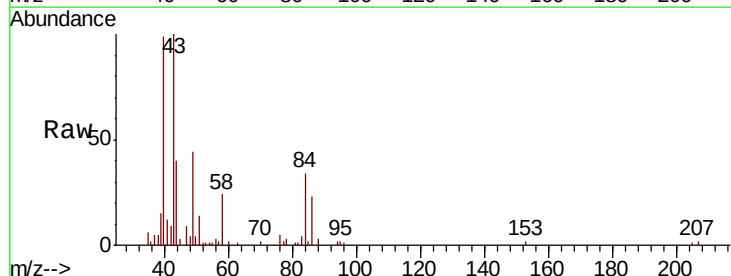
RT: 2.23 min Scan# 162

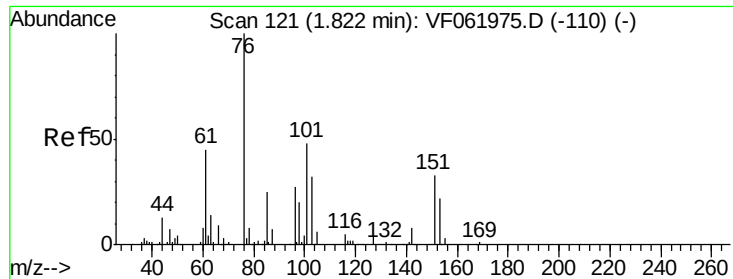
Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion:	43	Resp:	23339
Ion	Ratio	Lower	Upper
43	100		
58	24.2	19.9	29.9





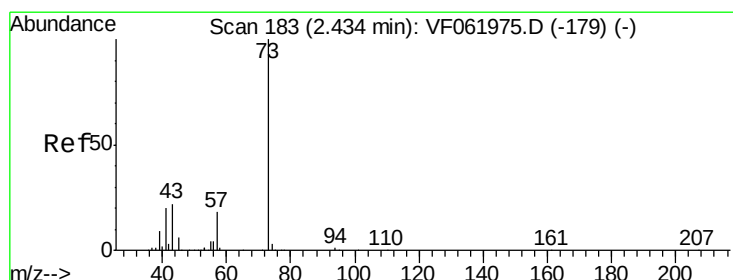
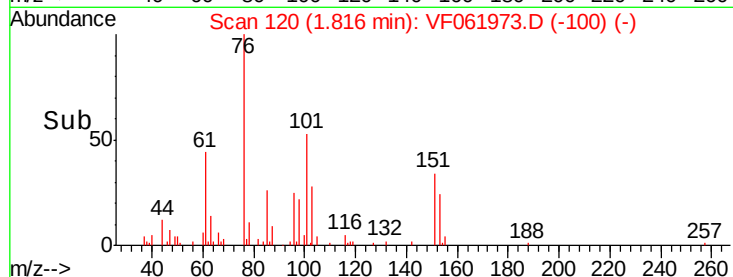
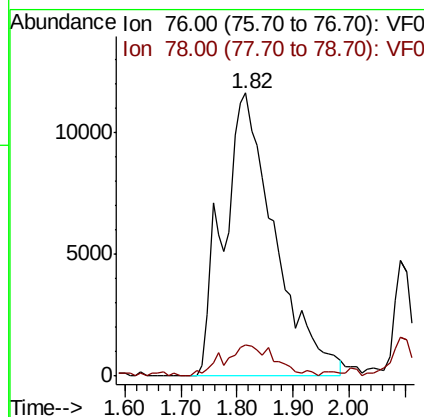
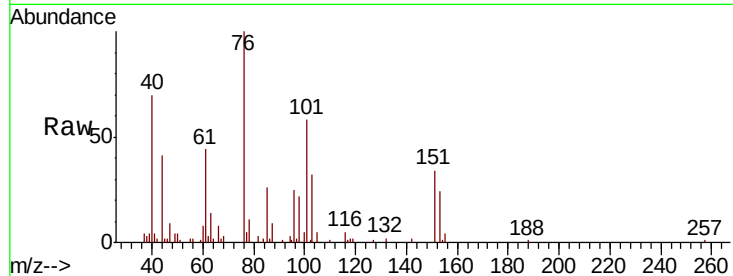
#17
Carbon Disulfide
Concen: 11.153 ug/l
RT: 1.82 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion: 76 Resp: 73892
Ion Ratio Lower Upper
76 100
78 11.0 6.8 10.2#

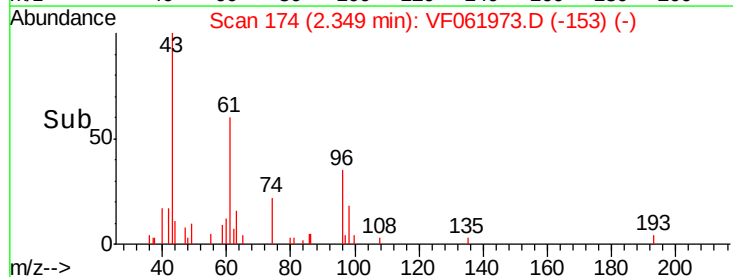
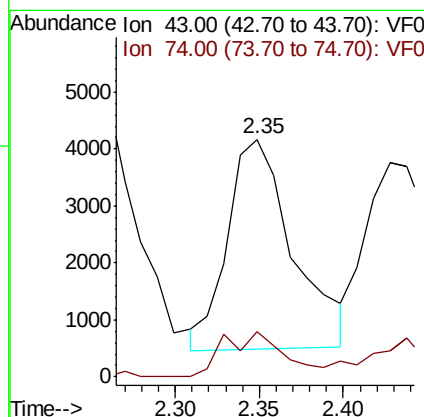
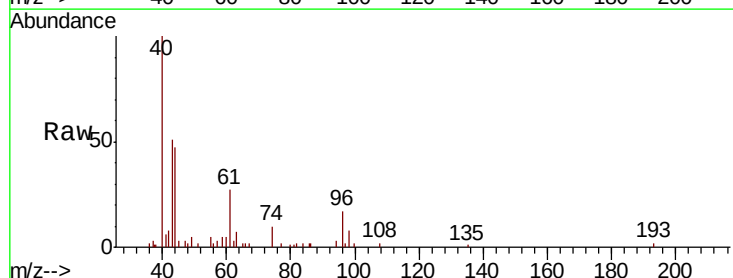
Manual Integrations
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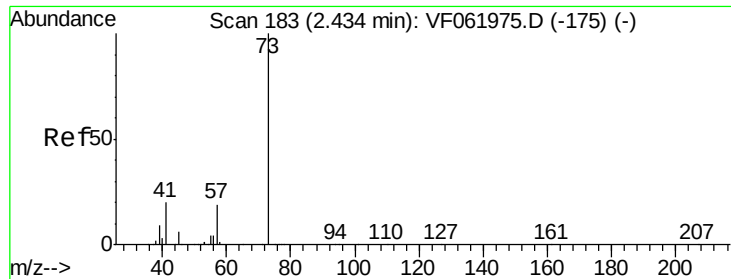
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#18
Methyl Acetate
Concen: 10.723 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion: 43 Resp: 9993
Ion Ratio Lower Upper
43 100
74 19.1 18.3 27.5





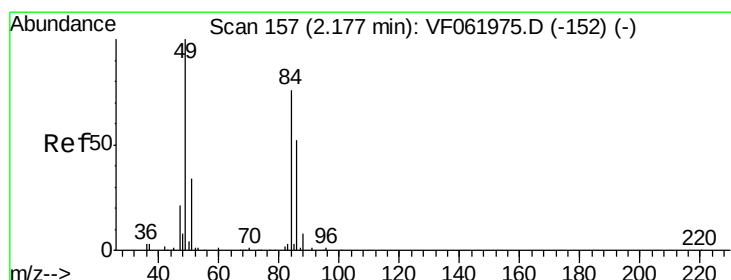
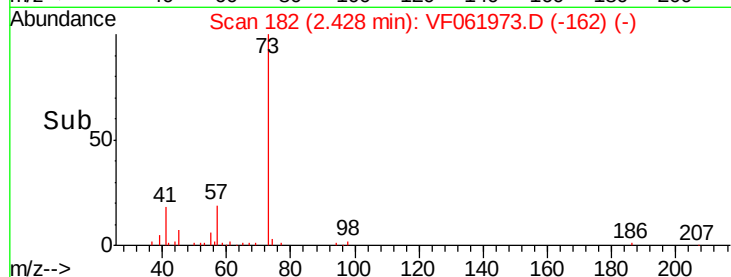
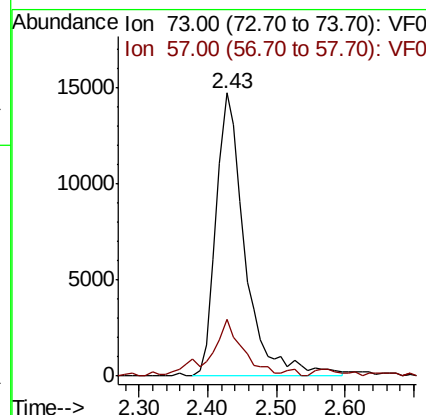
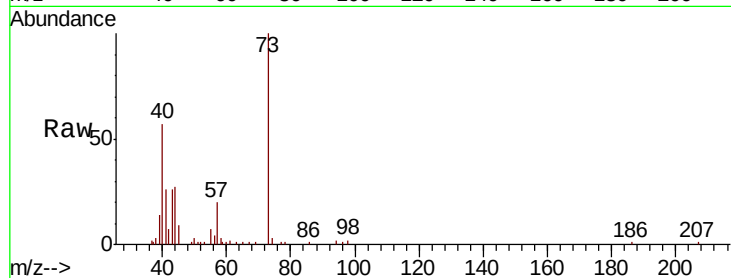
#19
Methyl tert-butyl Ether
Concen: 10.398 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 43163
Ion Ratio Lower Upper
73 100
57 20.2 15.3 22.9

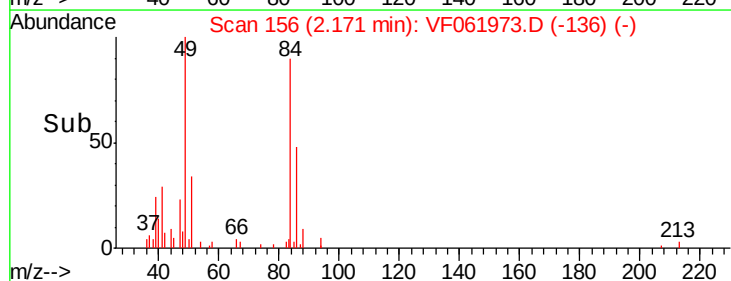
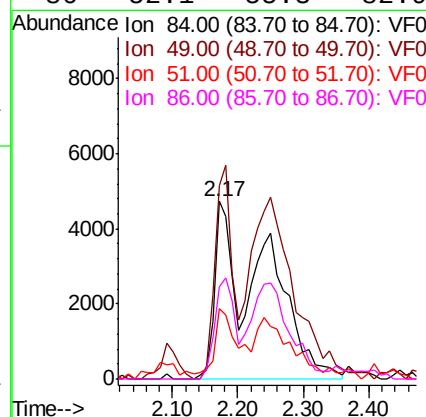
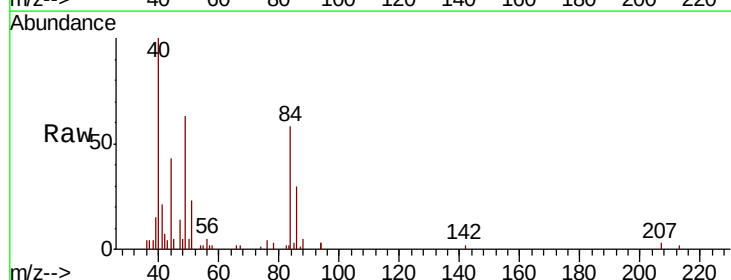
Manual Integrations
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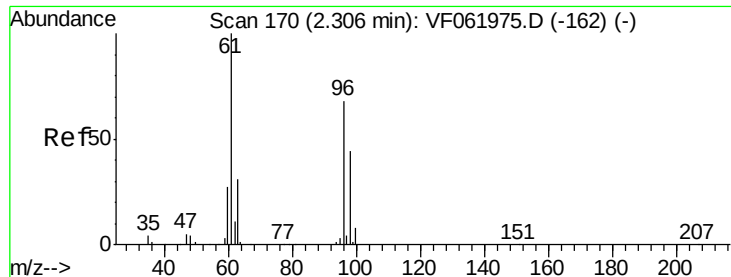
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#20
Methylene Chloride
Concen: 10.847 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion: 84 Resp: 24500
Ion Ratio Lower Upper
84 100
49 109.1 107.0 160.6
51 39.6 37.2 55.8
86 52.1 55.3 82.9#





#21

trans-1,2-Dichloroethene

Concen: 10.723 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

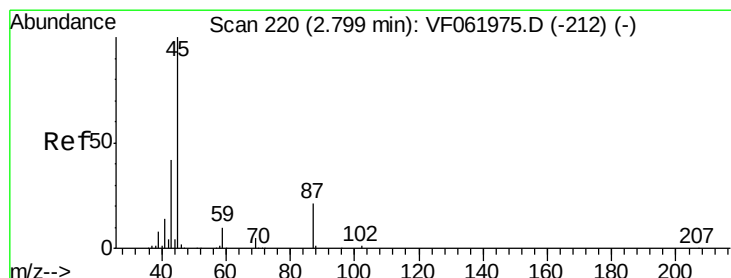
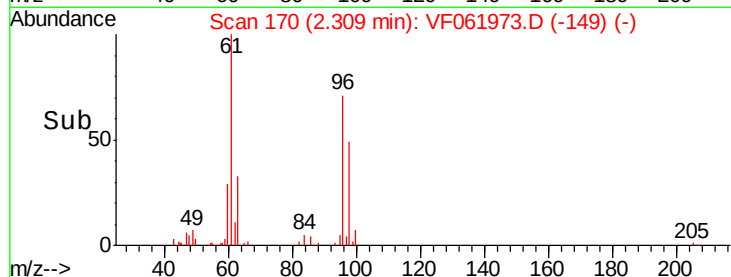
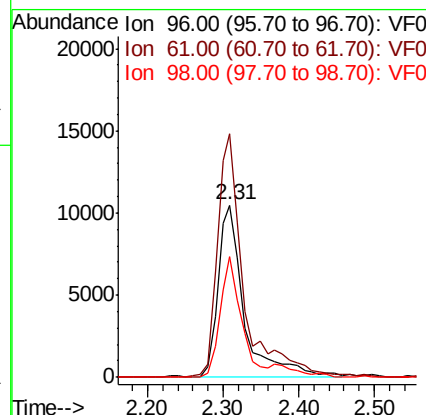
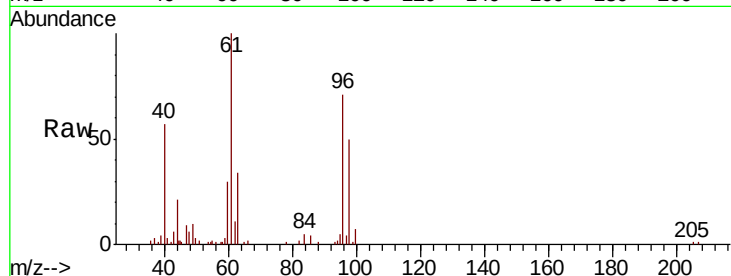
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	25635
Ion	Ratio	Lower	Upper
96	100		
61	141.5	117.4	176.2
98	70.3	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.645 ug/l

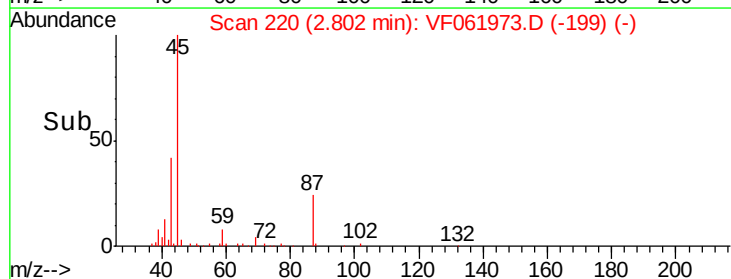
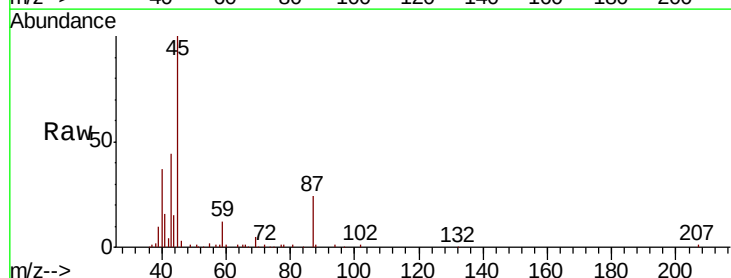
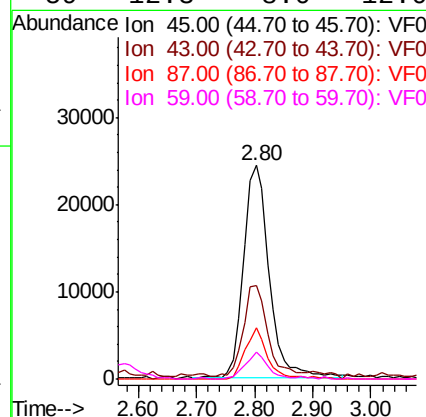
RT: 2.80 min Scan# 220

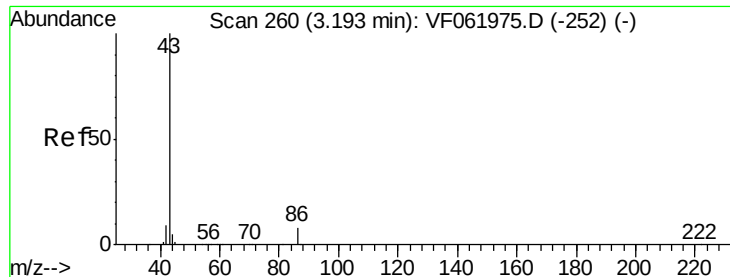
Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion:	45	Resp:	74874
Ion	Ratio	Lower	Upper
45	100		
43	43.9	33.7	50.5
87	24.3	17.1	25.7
59	12.3	8.0	12.0#





#23

Vinyl Acetate

Concen: 51.511 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 142826

Ion Ratio Lower Upper

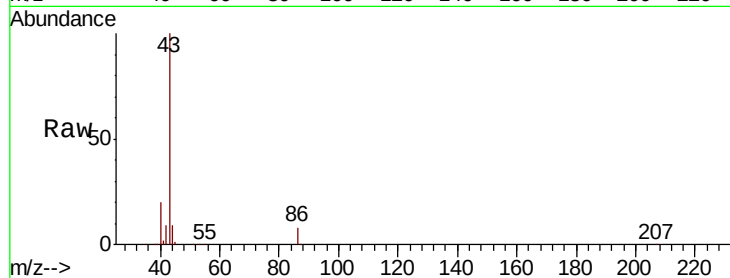
43 100

86 7.7 6.5 9.7

Manual Integrations
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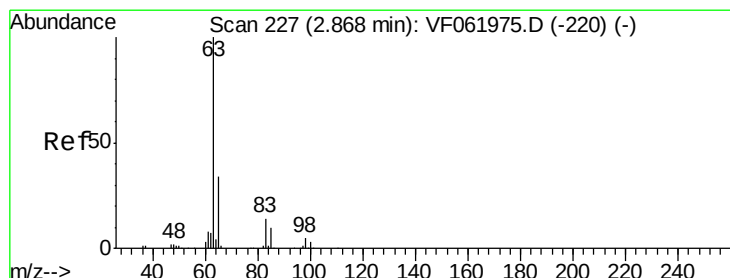
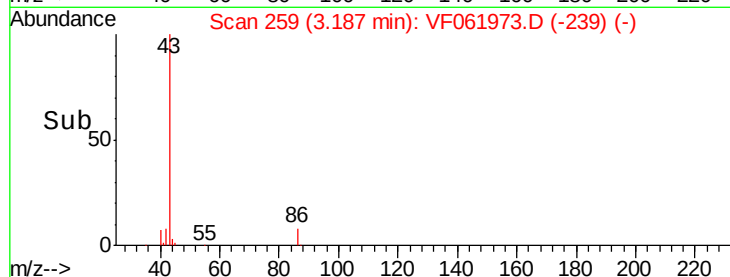
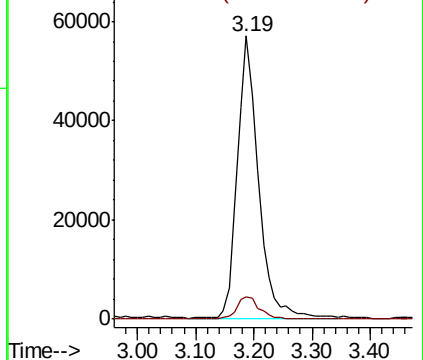
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 11.269 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

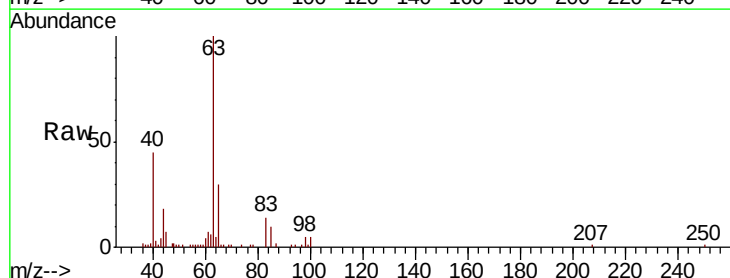
Tgt Ion: 63 Resp: 46088

Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

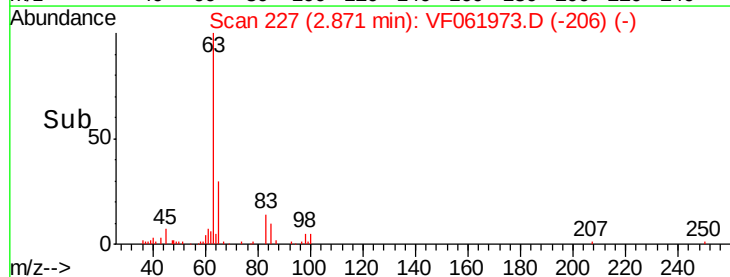
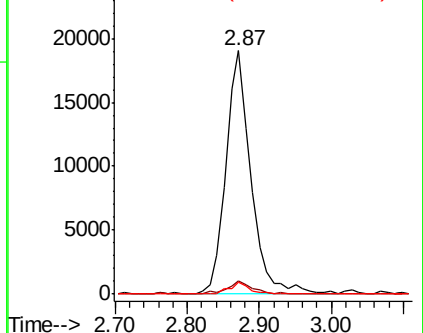
100 5.0 1.7 5.0#

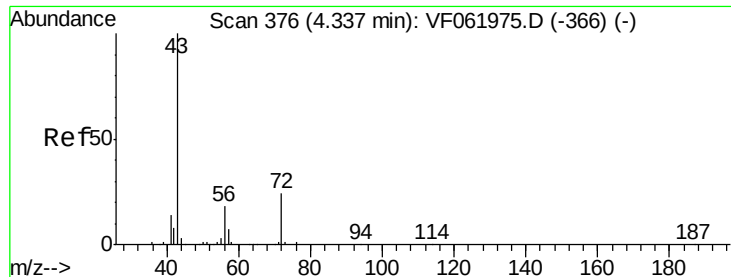


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 54.428 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 47292

Ion Ratio Lower Upper

43 100

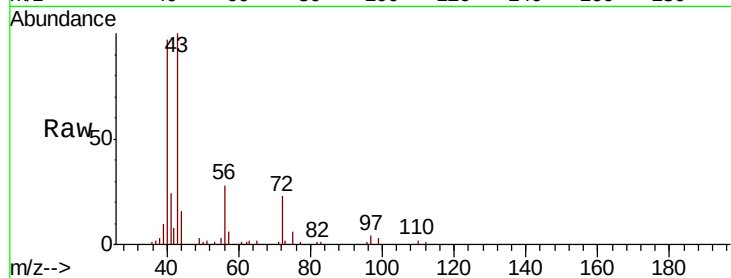
72 22.6 19.8 29.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

12000

10000

8000

6000

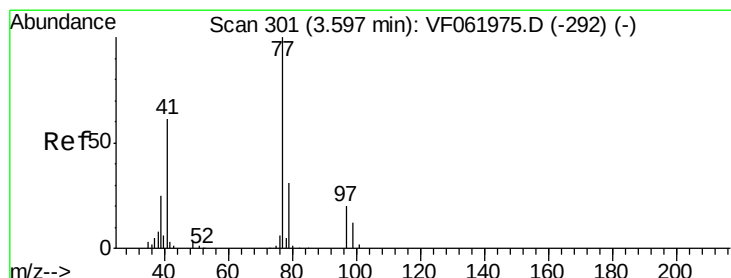
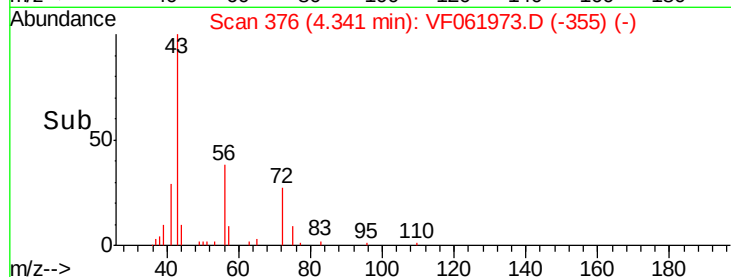
4000

2000

0

4.20 4.30 4.40 4.50

Time-->



#26

2,2-Dichloropropane

Concen: 10.711 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF061973.D

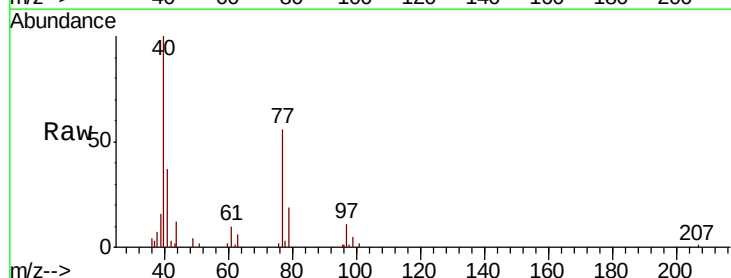
Acq: 16 Mar 2019 11:11

Tgt Ion: 77 Resp: 20663

Ion Ratio Lower Upper

77 100

97 19.0 10.8 32.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

6000

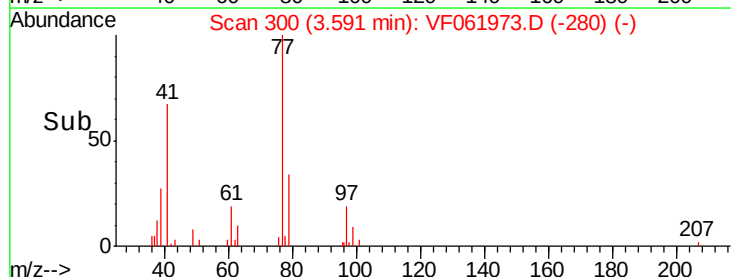
4000

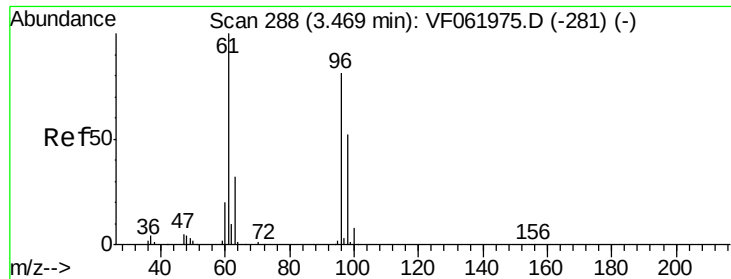
2000

0

3.50 3.60 3.70 3.80

Time-->





#27

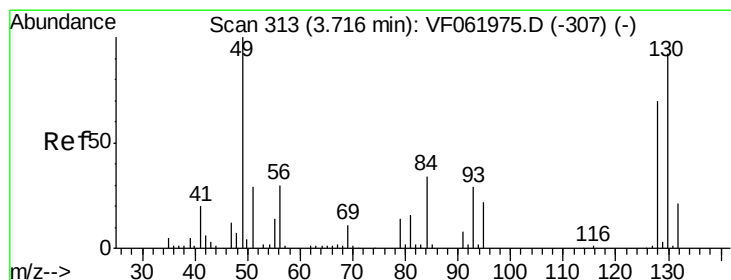
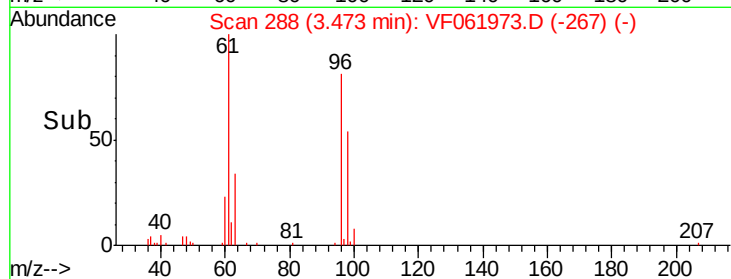
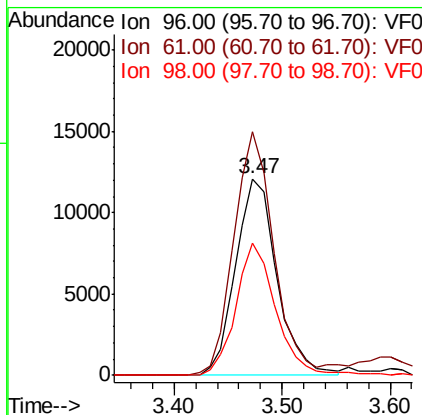
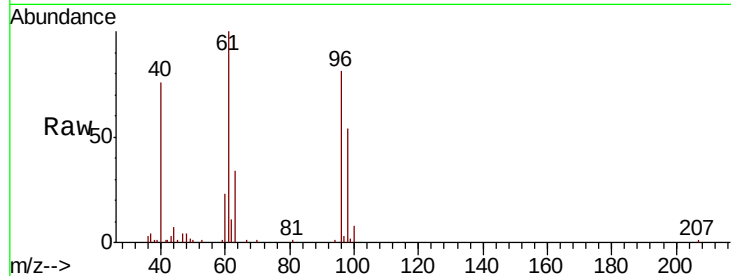
cis-1,2-Dichloroethene
 Concen: 10.688 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	246.6
98	67.3	0.0	129.2

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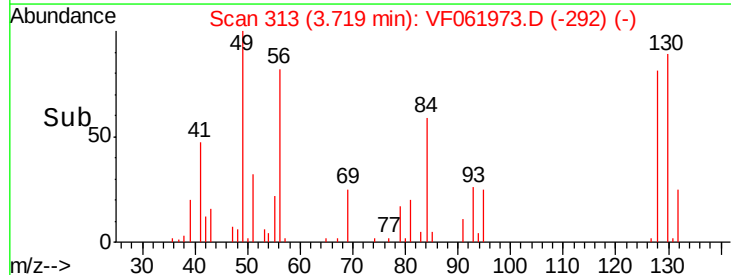
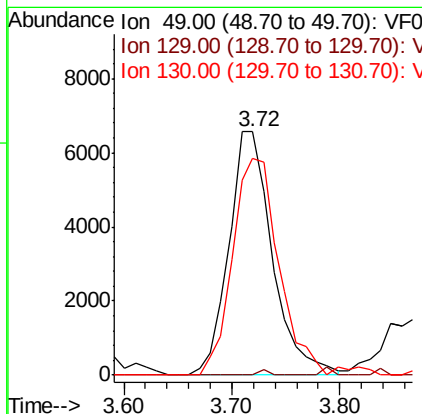
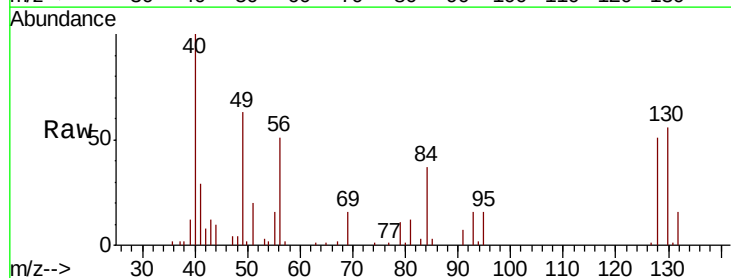
MMDadoda
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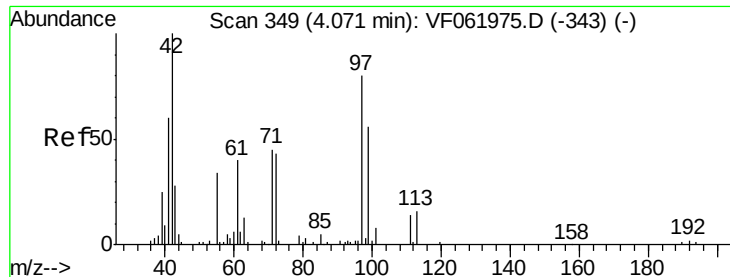


#28

Bromochloromethane
 Concen: 10.856 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.8
130	88.9	73.1	109.7





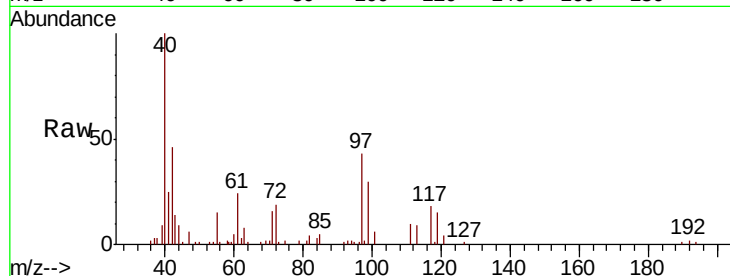
#29
Tetrahydrofuran
Concen: 53.742 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

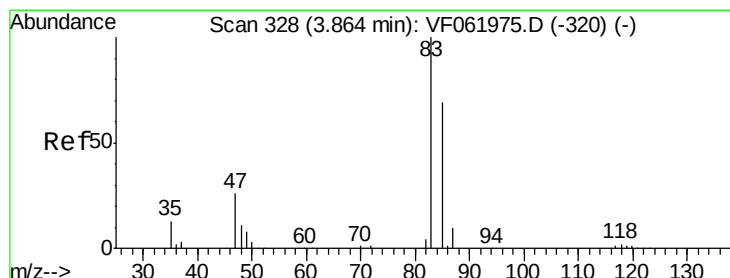
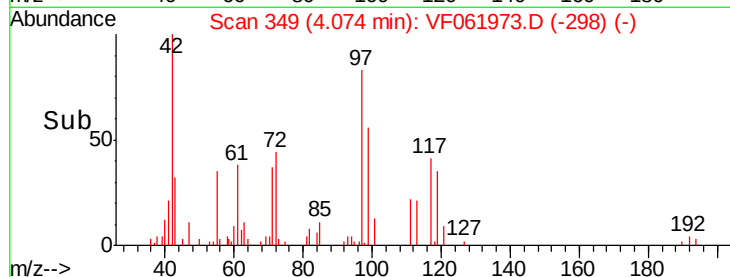
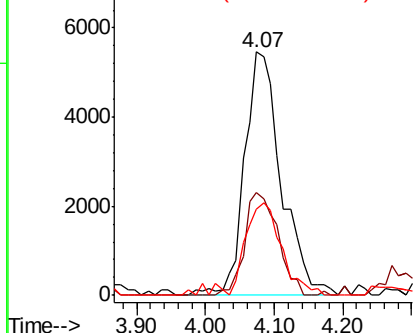
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	34.0	51.0
71	36.9	34.2	51.4

Manual Integrations
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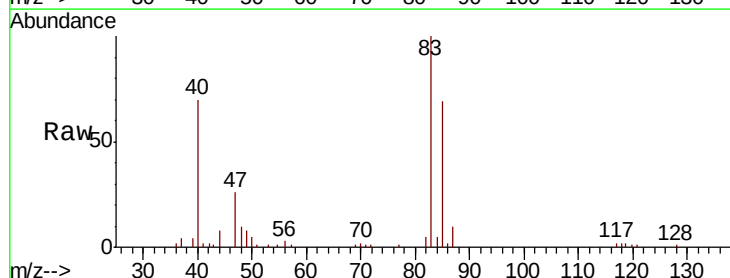


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

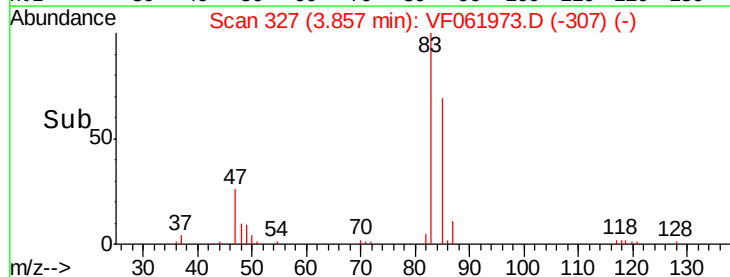
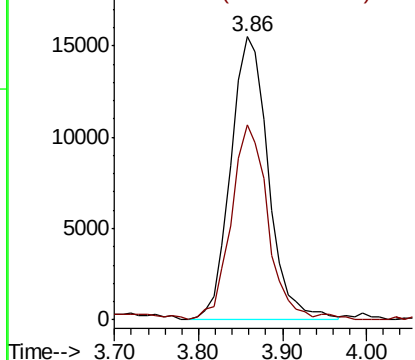


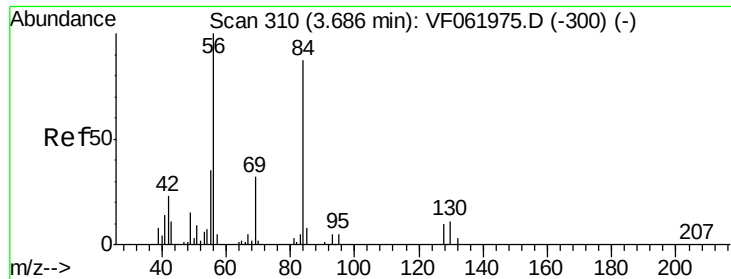
#30
Chloroform
Concen: 10.471 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.0	55.5	83.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





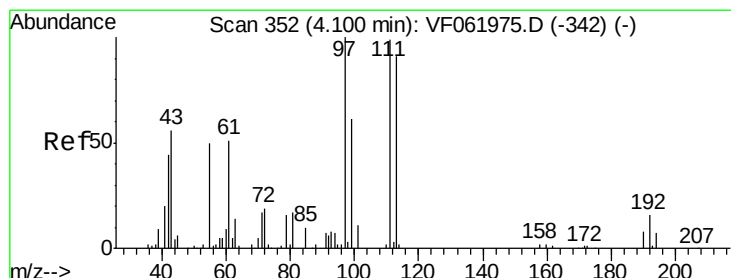
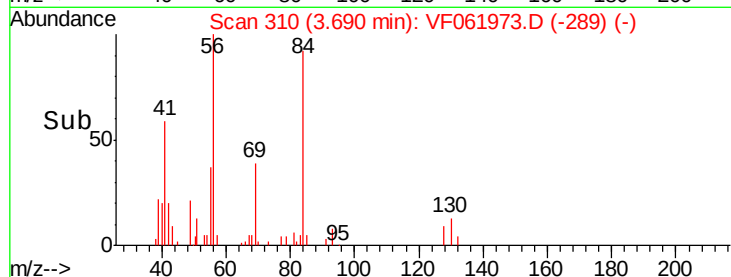
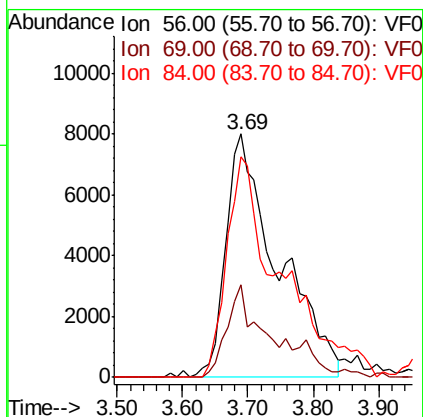
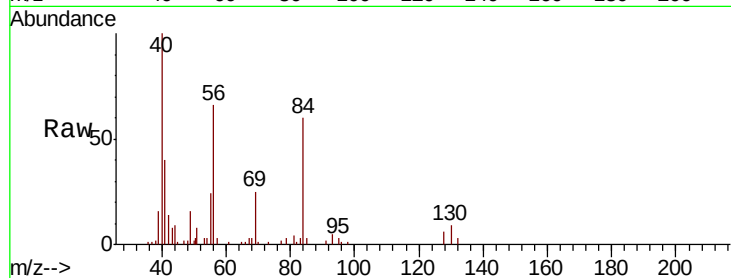
#31
Cyclohexane
Concen: 11.020 ug/l m
RT: 3.69 min Scan# 310
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	25.8	38.8
84	90.6	69.5	104.3

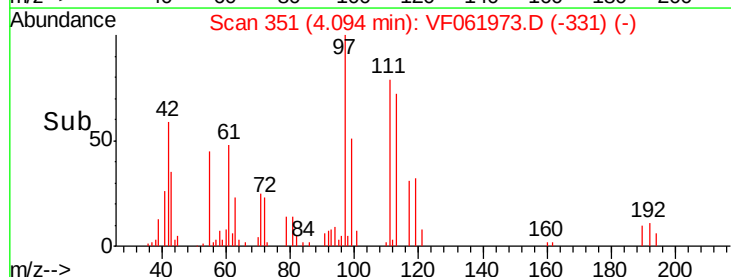
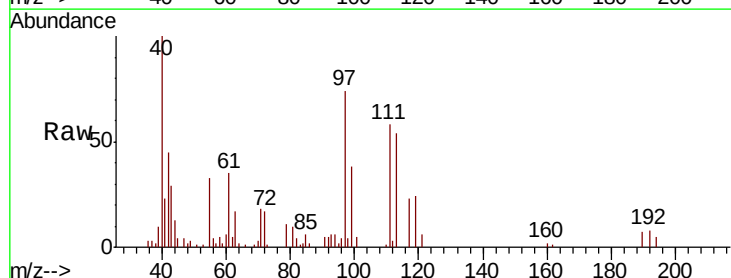
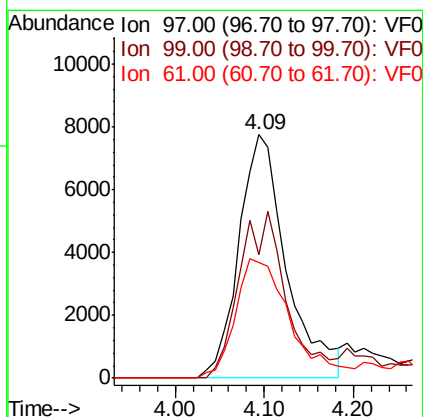
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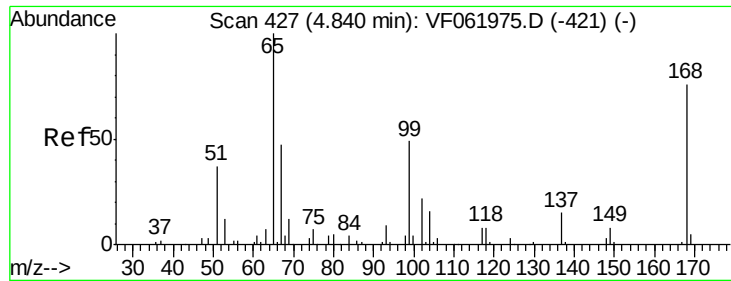
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#32
1,1,1-Trichloroethane
Concen: 9.372 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	50.9	49.0	73.4
61	47.7	41.4	62.0





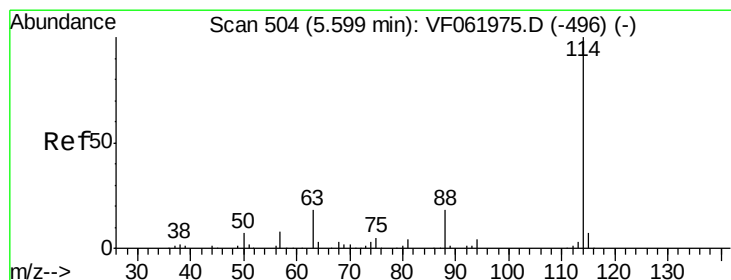
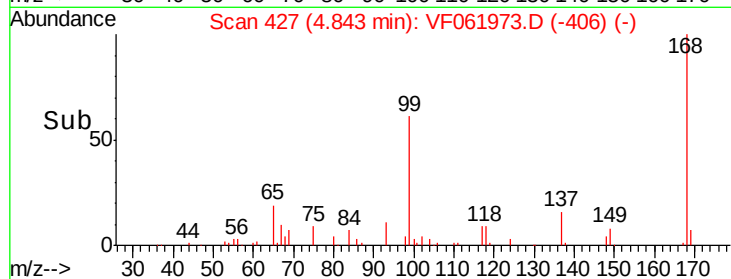
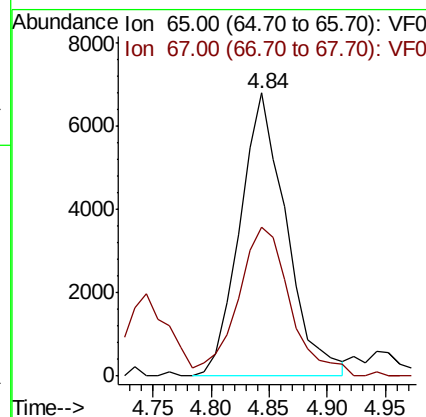
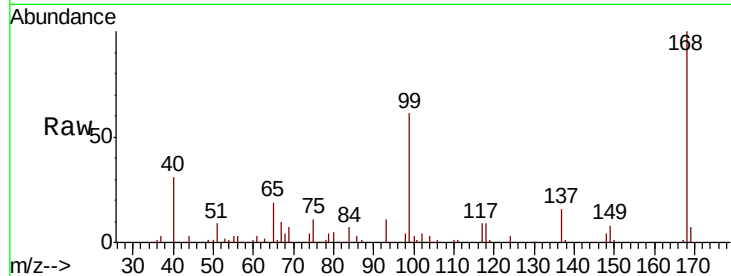
#33
 1,2-Dichloroethane-d4
 Concen: 9.629 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	18813		
67	52.6	0.0	109.4	

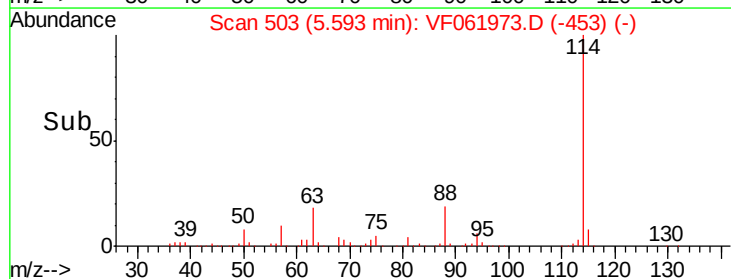
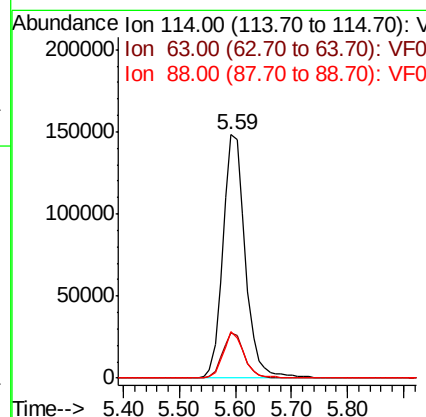
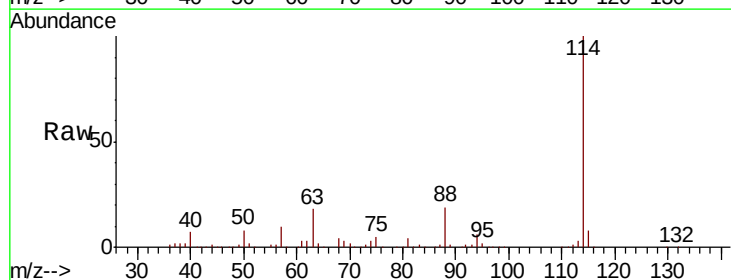
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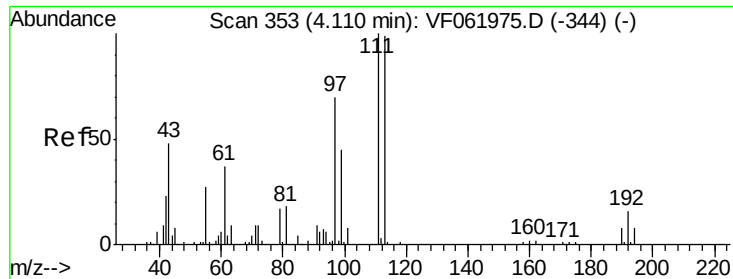
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	413374		
63	18.4	0.0	36.4	
88	19.3	0.0	36.4	





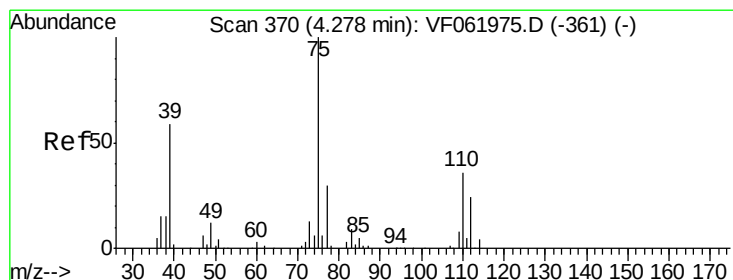
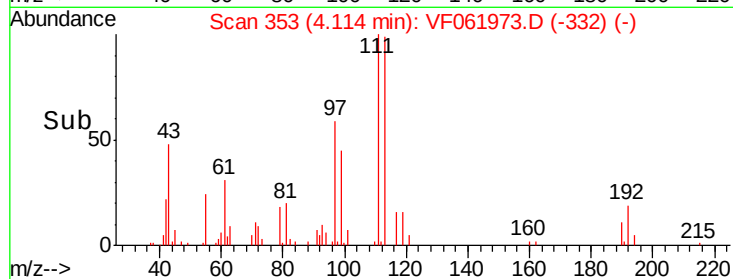
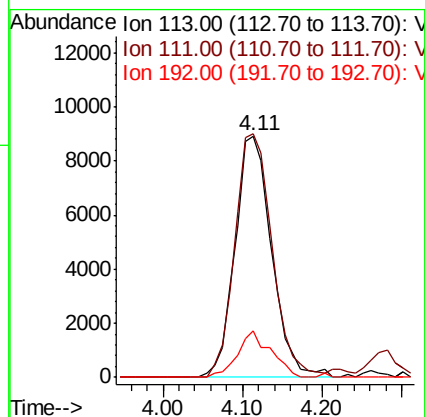
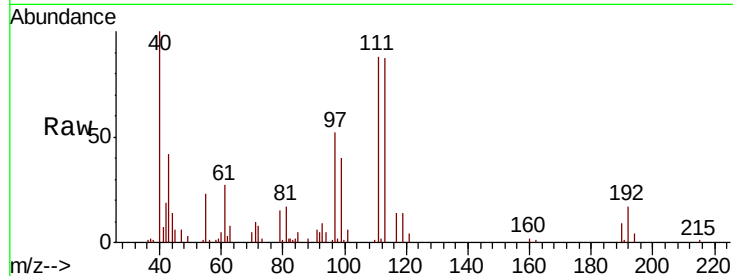
#35
 Dibromofluoromethane
 Concen: 10.237 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	80.8	121.2
192	19.4	13.0	19.6

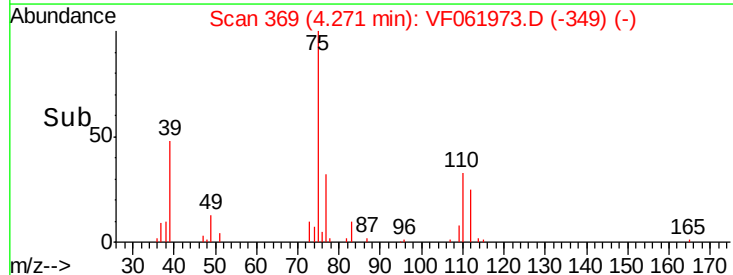
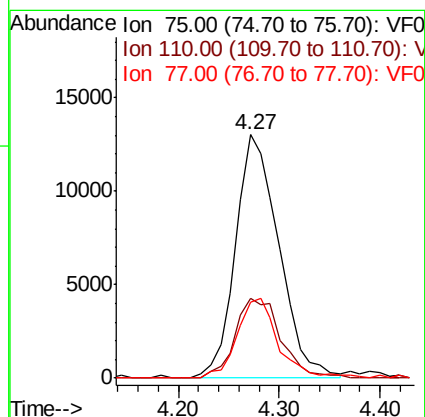
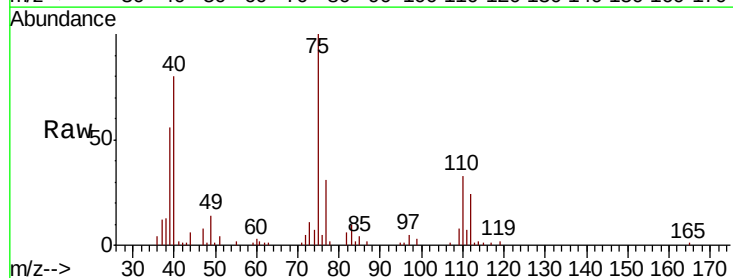
Manual Integrations
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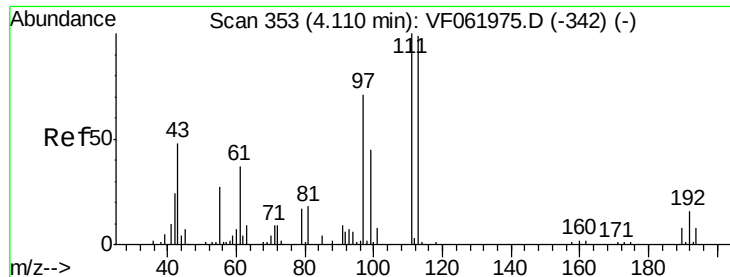
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#36
 1,1-Dichloropropene
 Concen: 10.463 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	17.8	53.3
77	31.2	24.2	36.2





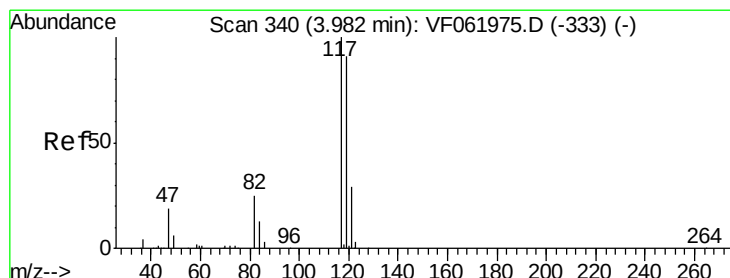
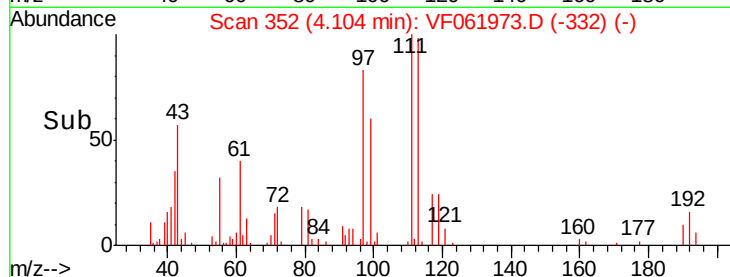
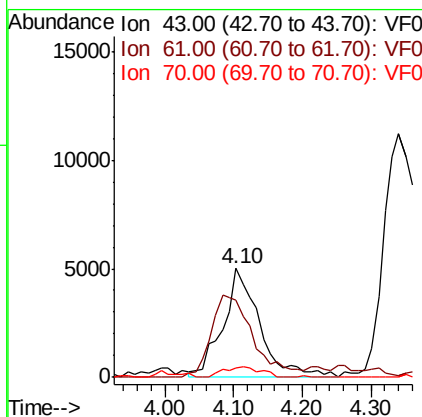
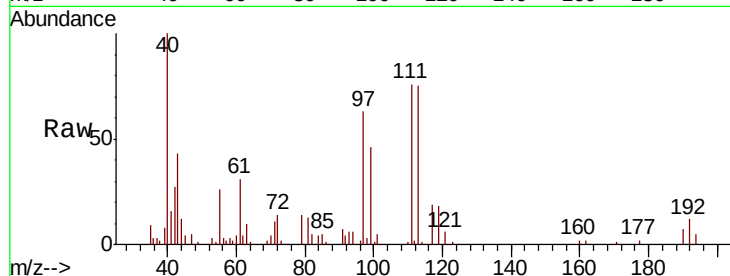
#37
Ethyl Acetate
Concen: 11.102 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	71.2	59.8	89.6
70	8.9	7.8	11.8

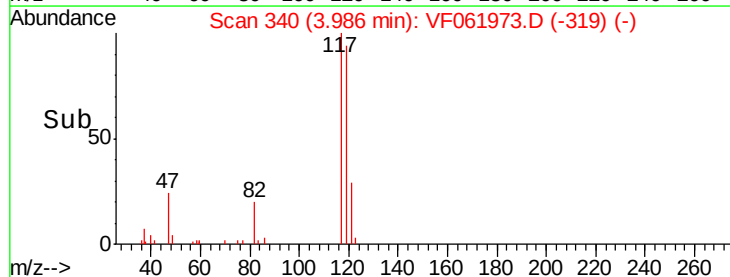
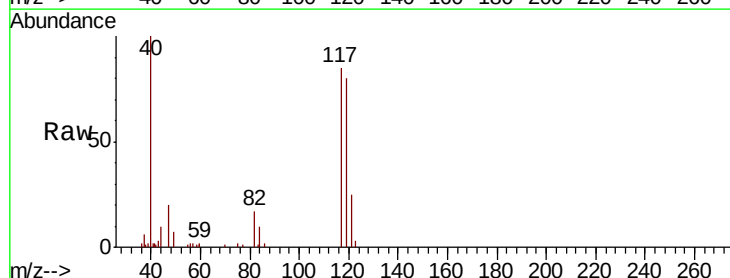
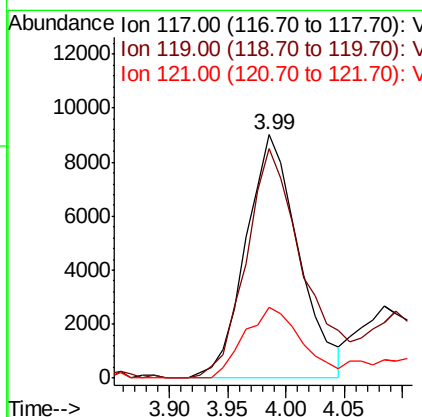
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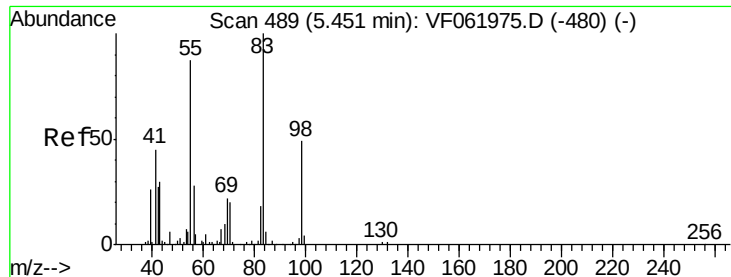
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#38
Carbon Tetrachloride
Concen: 10.409 ug/l
RT: 3.99 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.0	109.4
121	29.3	23.0	34.6





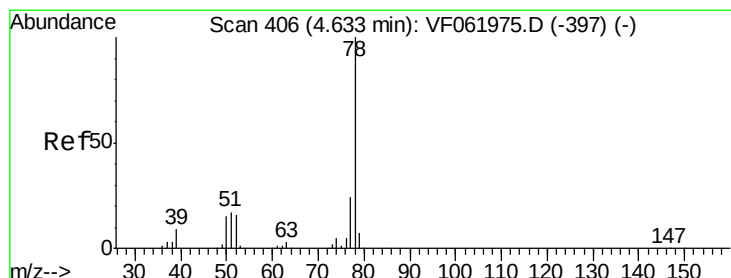
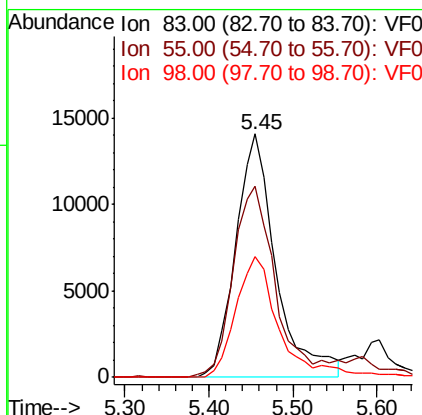
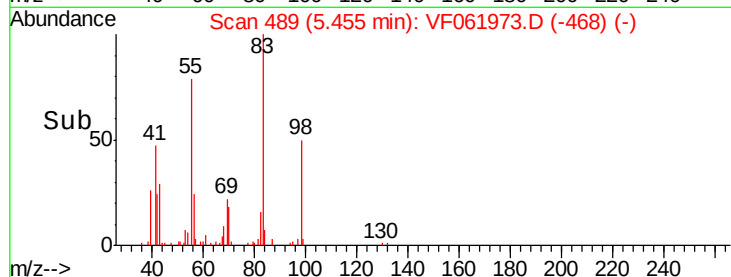
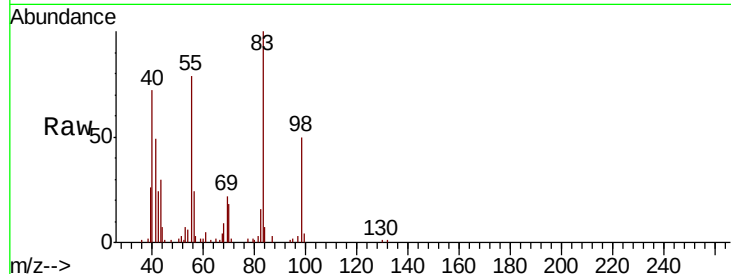
#39
Methylvlcyclohexane
Concen: 10.709 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	69.7	104.5
98	49.8	39.4	59.0

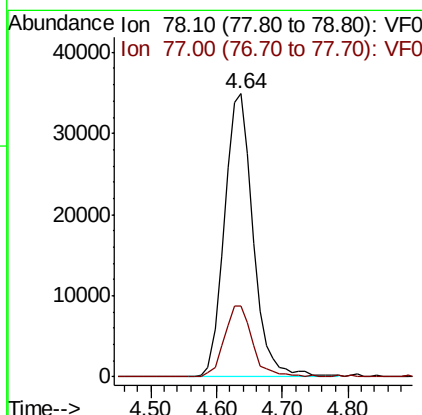
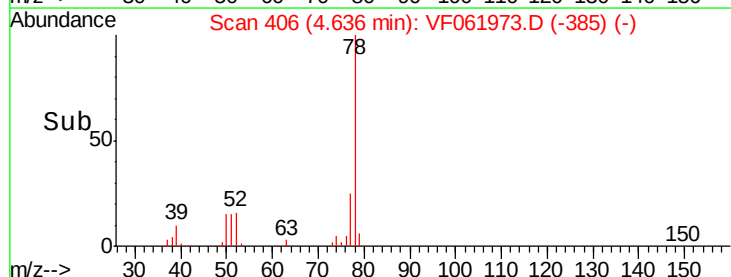
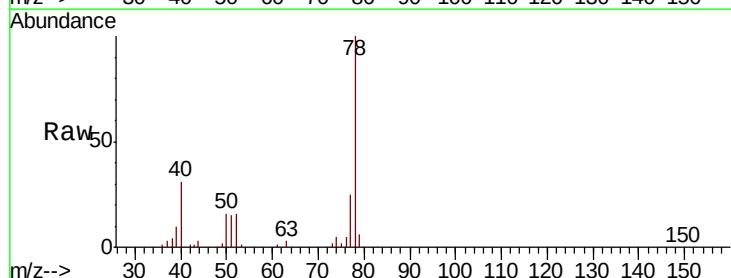
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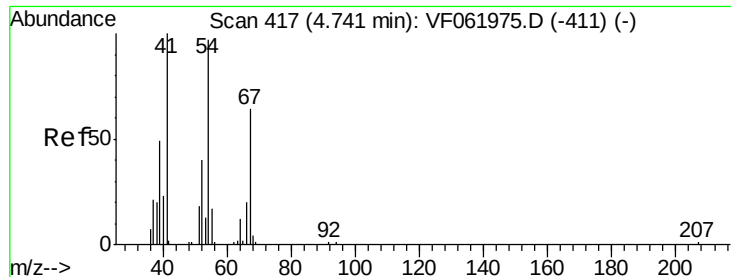
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#40
Benzene
Concen: 10.774 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.0	28.4





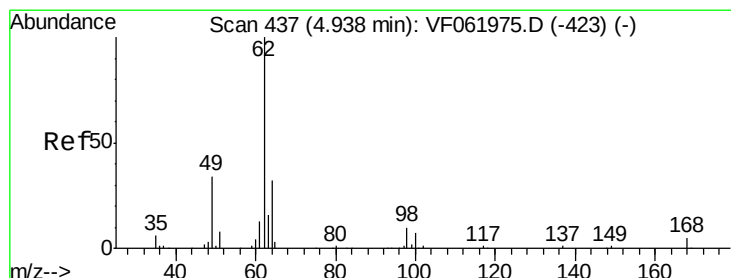
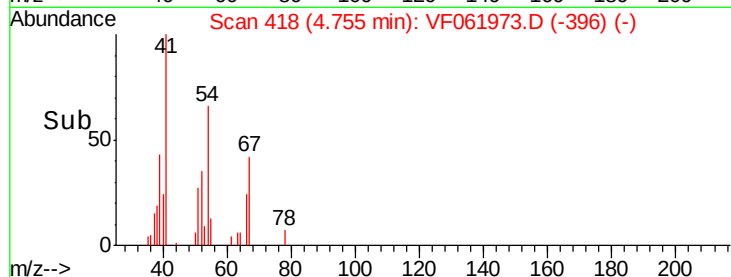
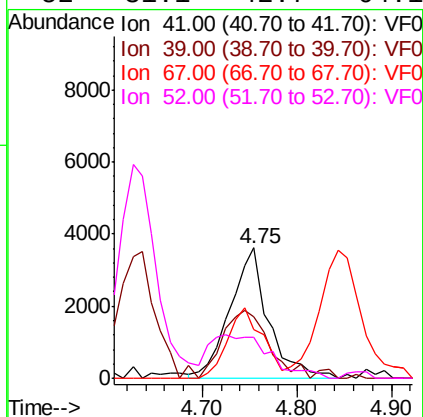
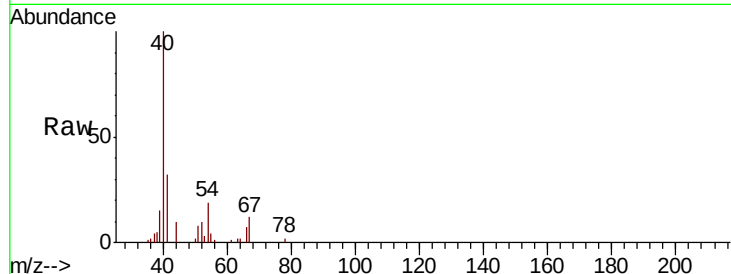
#41
Methacrylonitrile
Concen: 11.354 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	47.0	46.2	69.4	
67	37.4	49.8	74.8	
52	31.1	42.7	64.1	

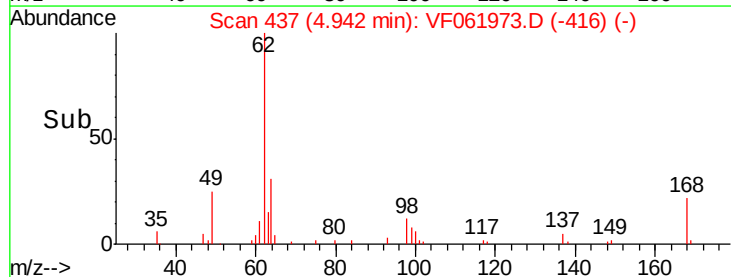
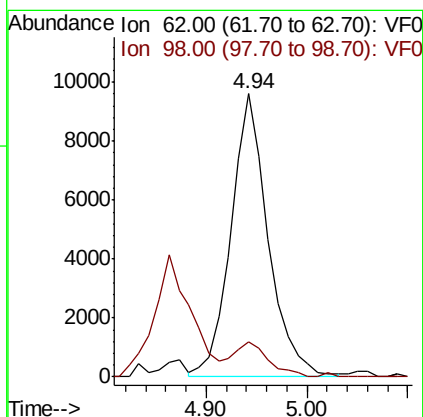
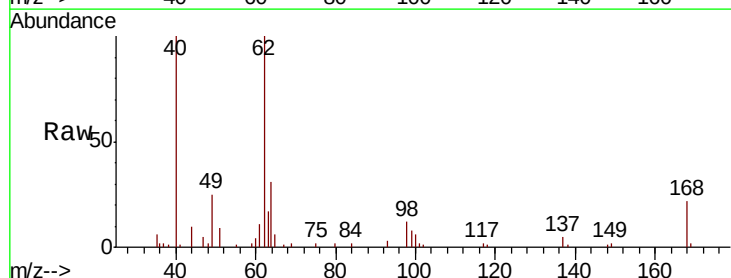
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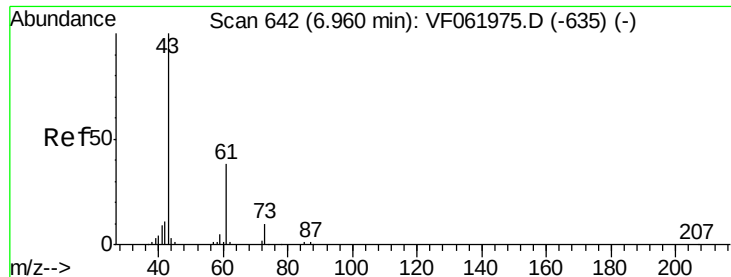
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#42
1,2-Dichloroethane
Concen: 10.015 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	12.3	0.0	19.8	





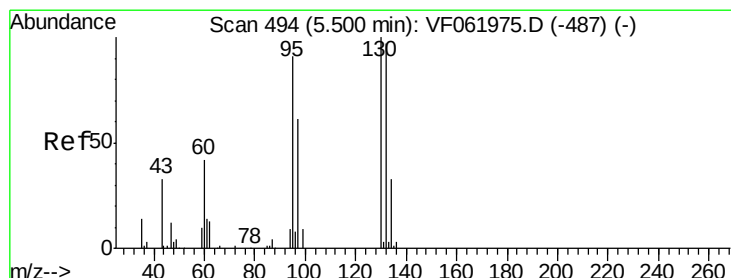
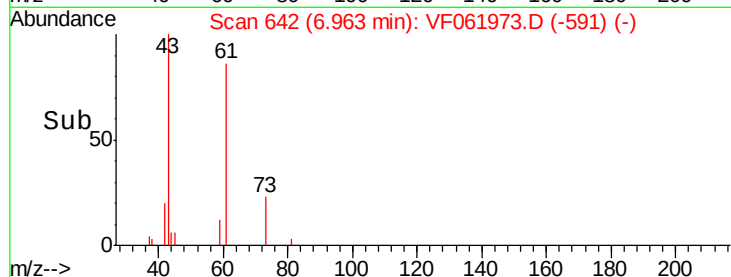
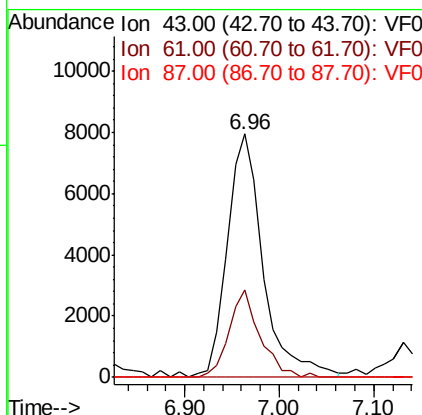
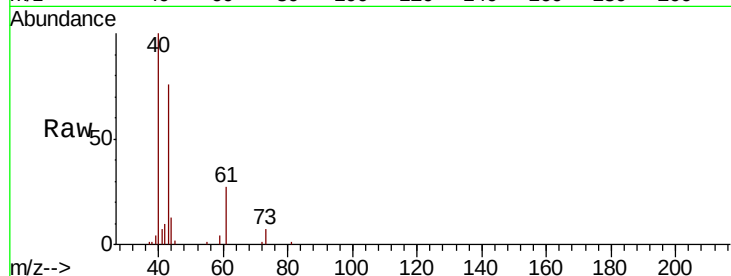
#43
Isopropyl Acetate
Concen: 10.530 ug/l
RT: 6.96 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.9	30.1	45.1
87	0.0	0.4	0.6

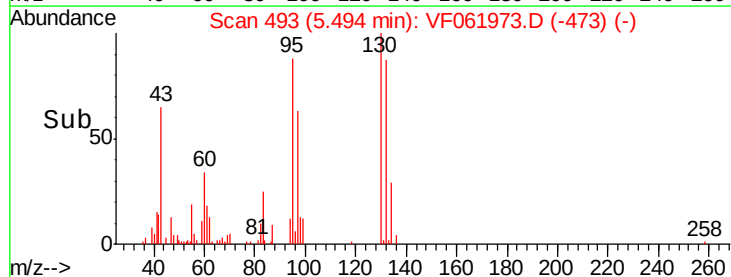
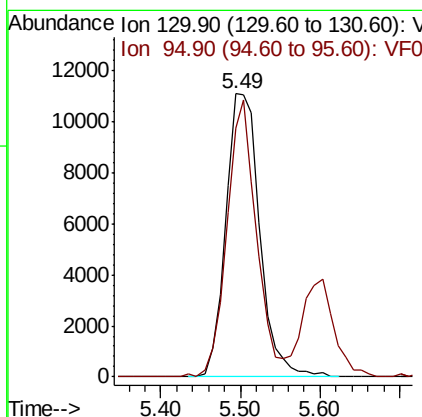
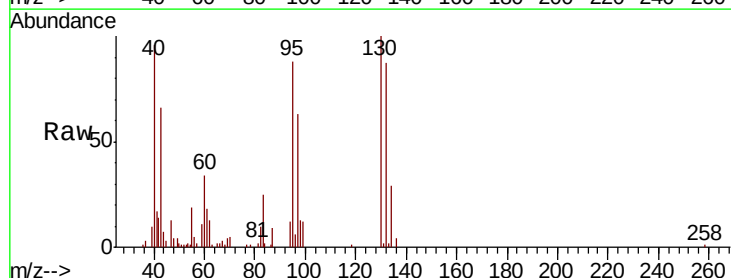
Manual Integrations
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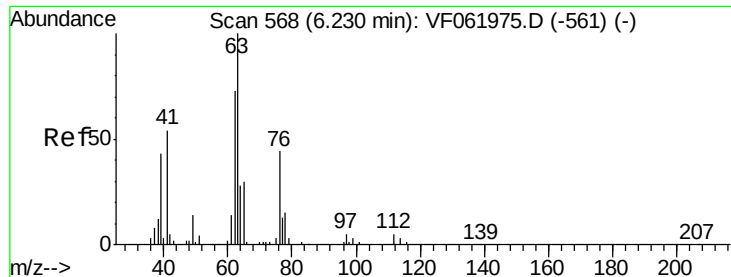
MMDadoda
3/22/2019 6:18:46 PM



#44
Trichloroethene
Concen: 10.911 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.1	0.0	181.4





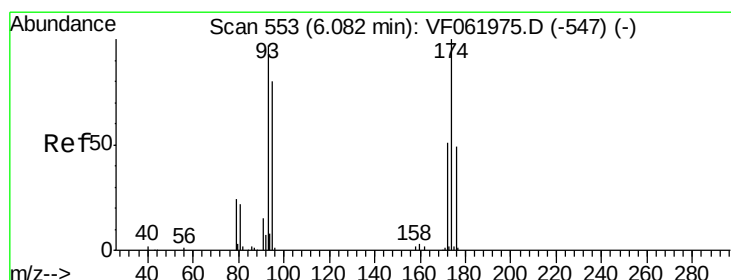
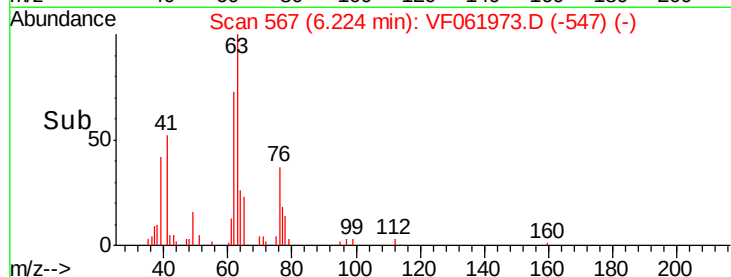
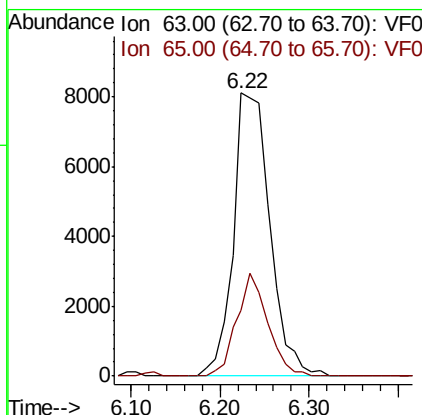
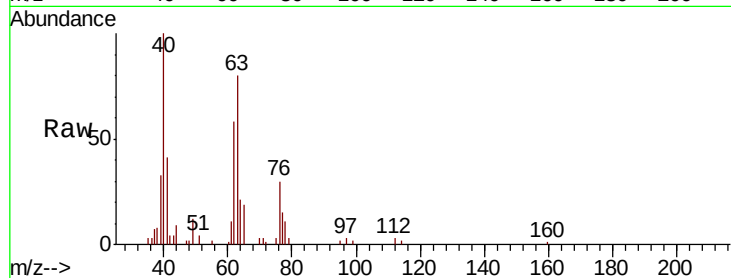
#45
 1,2-Dichloropropane
 Concen: 9.901 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	23.2	23.7	35.5#

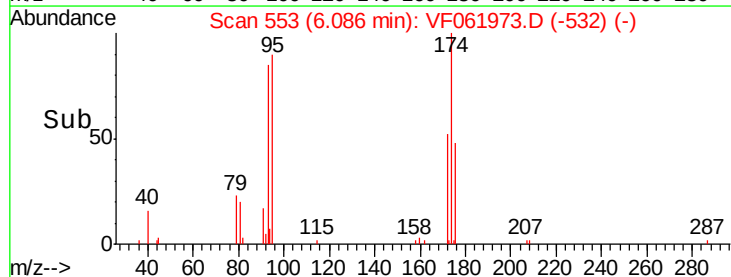
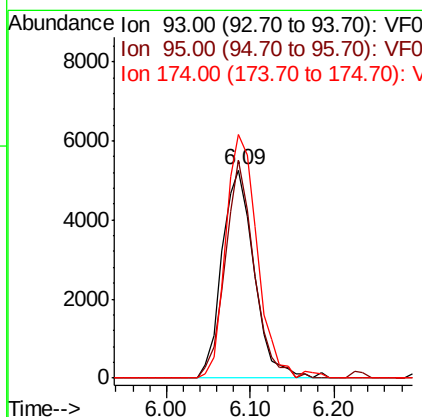
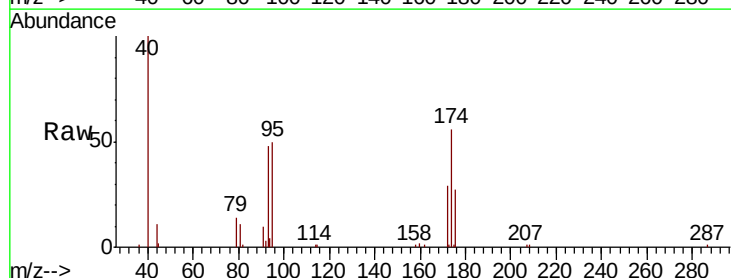
Manual Integrations
 APPROVED

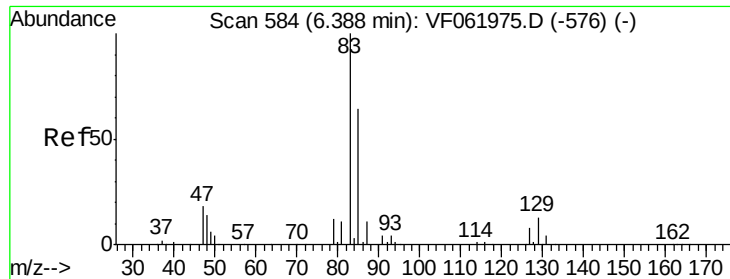
MMDadoda
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#46
 Dibromomethane
 Concen: 10.066 ug/l
 RT: 6.09 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	105.1	65.7	98.5#
174	117.2	82.2	123.4





#47

Bromodichloromethane

Concen: 10.933 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

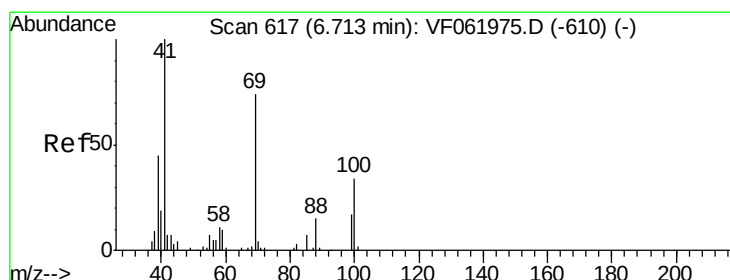
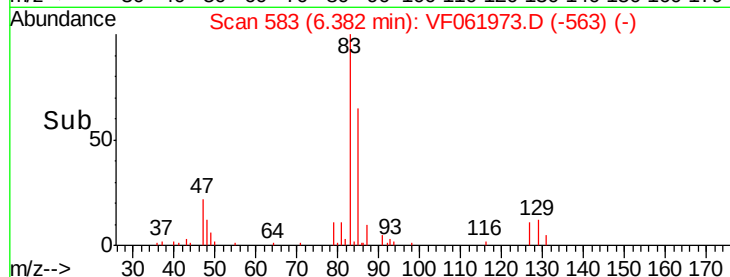
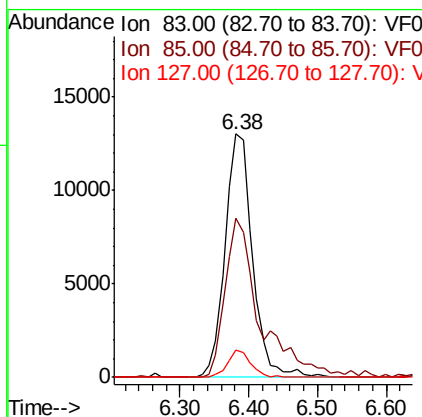
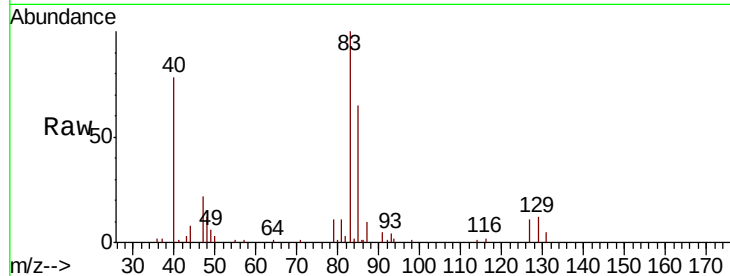
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	35892
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.4	77.2
127	11.0	6.5	9.7#

Manual Integrations
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#48

Methyl methacrylate

Concen: 11.088 ug/l

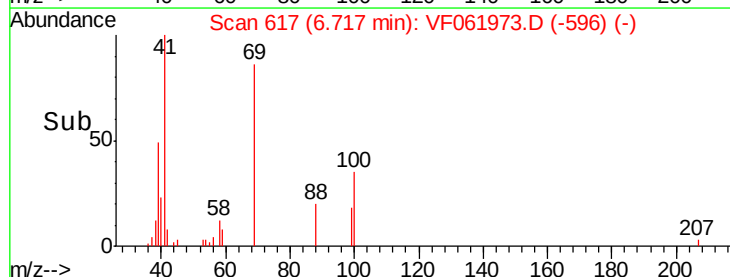
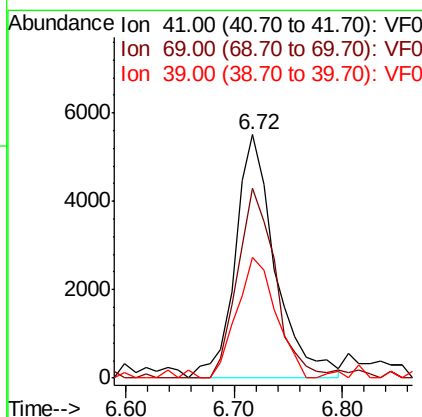
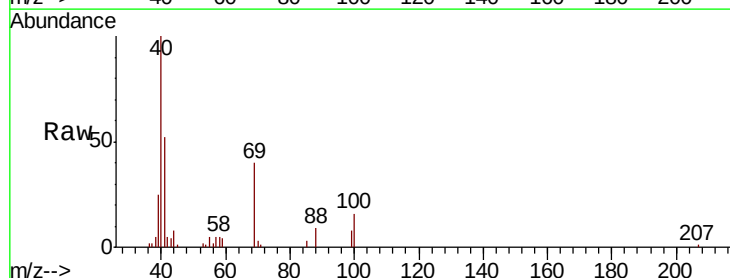
RT: 6.72 min Scan# 617

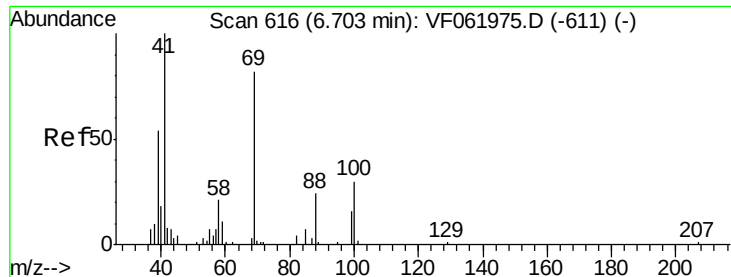
Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion:	41	Resp:	14211
Ion Ratio	Lower	Upper	
41	100		
69	78.0	59.0	88.6
39	49.5	35.6	53.4





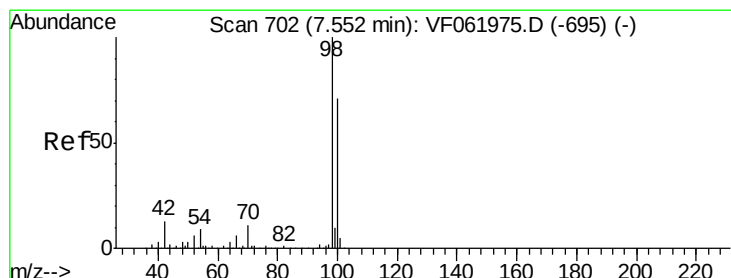
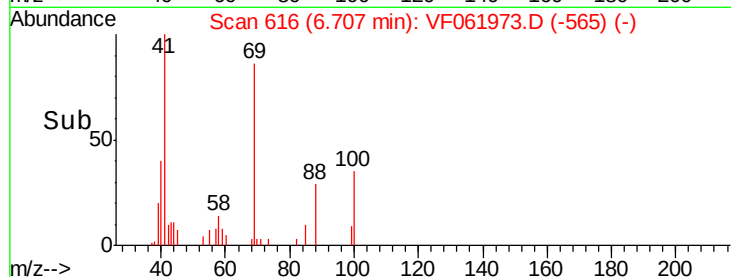
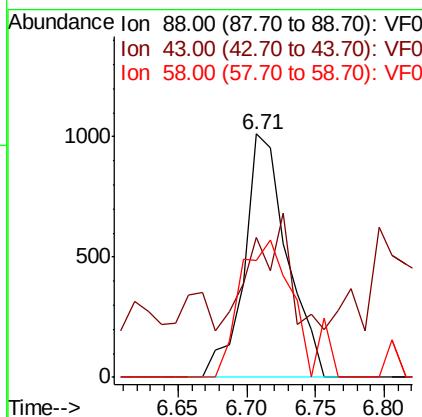
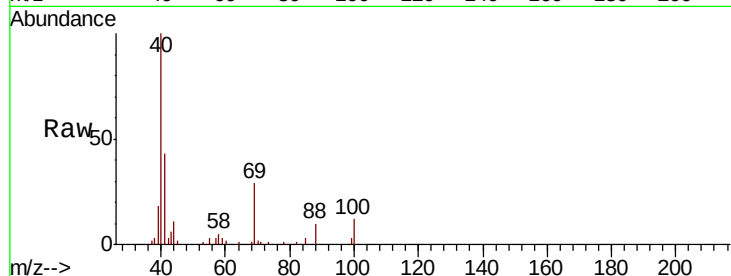
#49
1,4-Dioxane
Concen: 192.445 ug/l
RT: 6.71 min Scan# 616
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	57.3	31.2	46.8#
58	48.2	69.9	104.9#

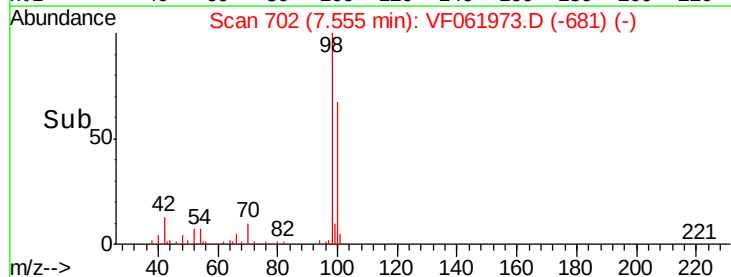
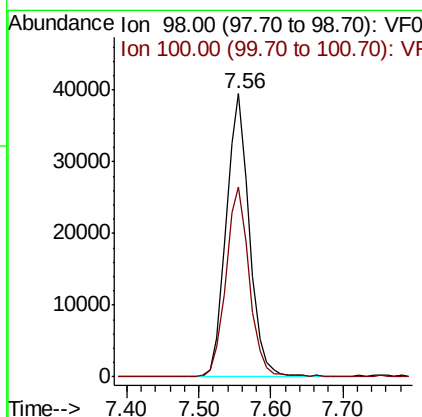
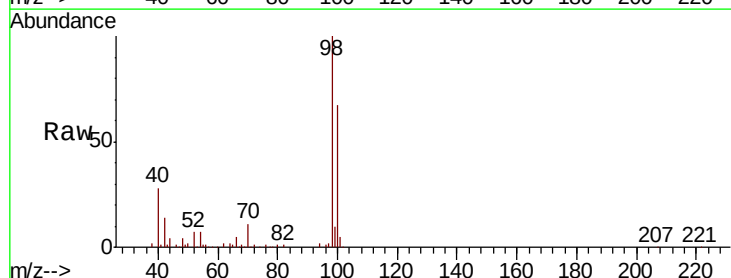
Manual Integrations
APPROVED

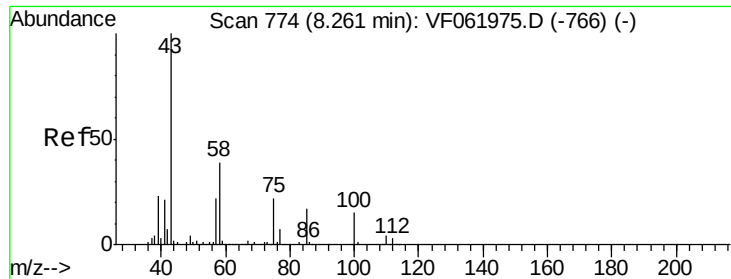
MMDadoda
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#50
Toluene-d8
Concen: 10.834 ug/l
RT: 7.56 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	56.8	85.2





#51

4-Methyl-2-Pentanone

Concen: 50.878 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 71649

Ion Ratio Lower Upper

43 100

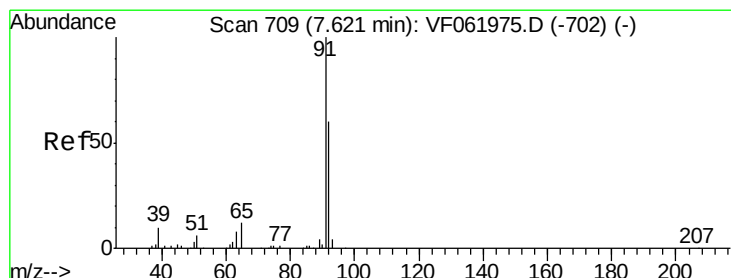
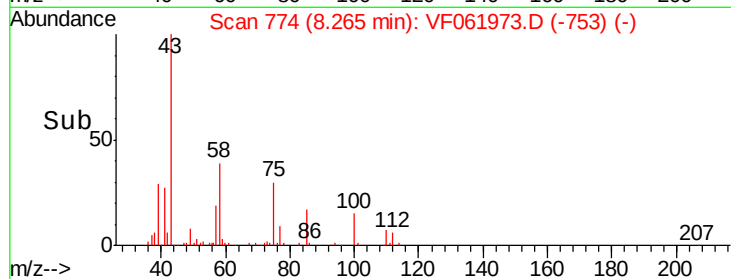
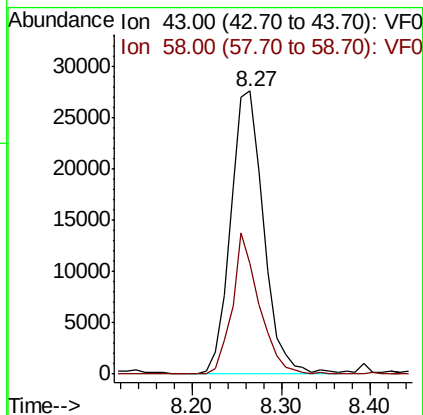
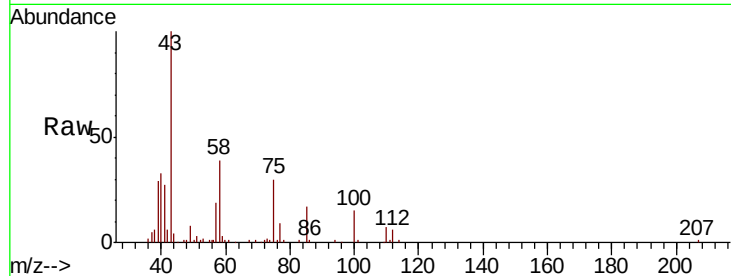
58 39.2 31.1 46.7

Manual Integrations

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#52

Toluene

Concen: 10.359 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061973.D

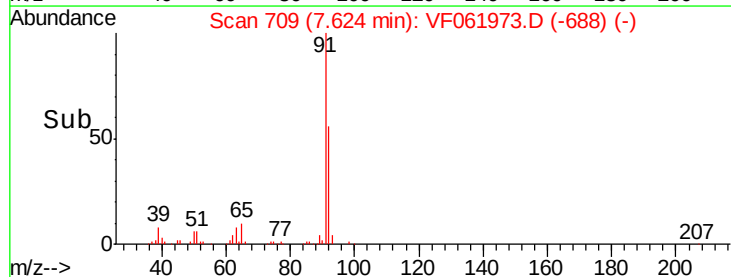
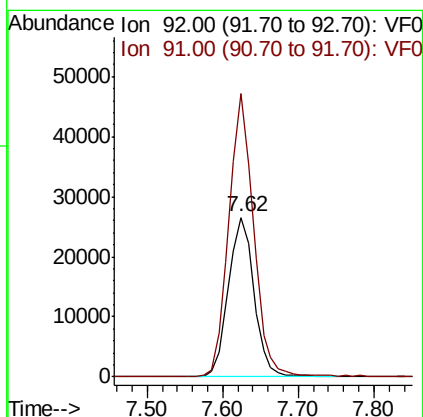
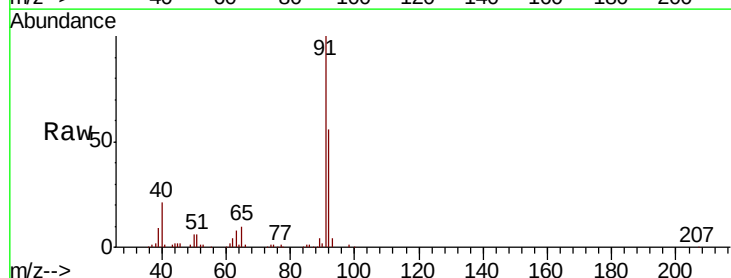
Acq: 16 Mar 2019 11:11

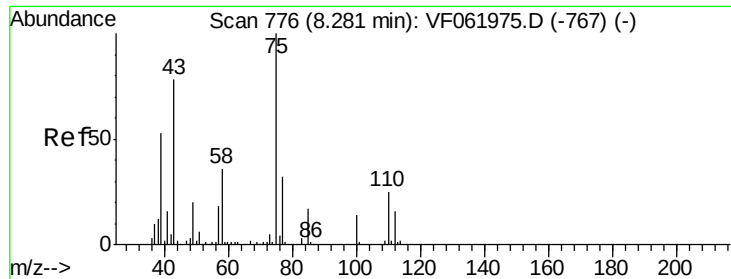
Tgt Ion: 92 Resp: 62605

Ion Ratio Lower Upper

92 100

91 177.3 134.0 201.0





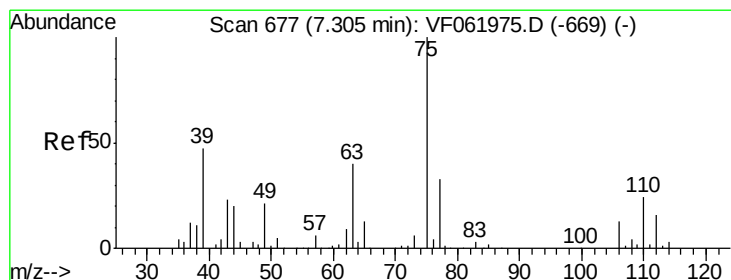
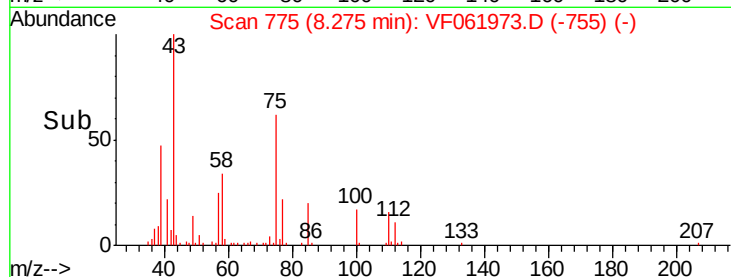
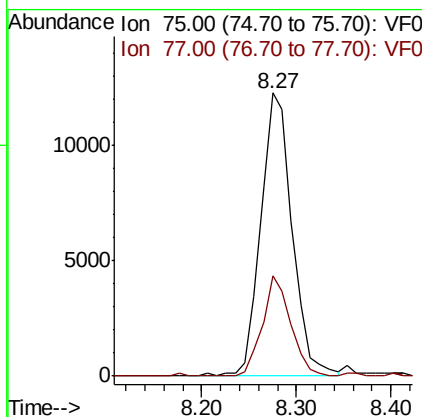
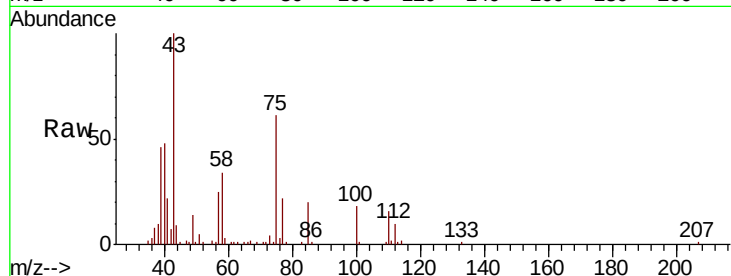
#53
 t-1,3-Dichloropropene
 Concen: 10.265 ug/l
 RT: 8.27 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.7	25.5	38.3

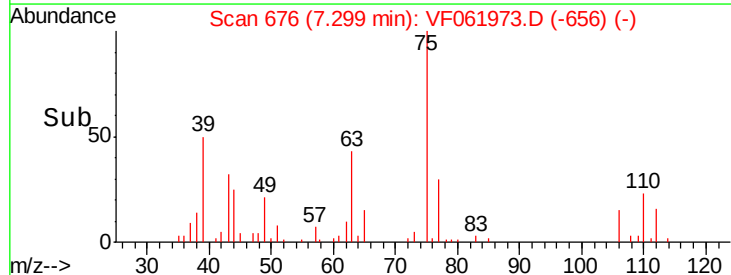
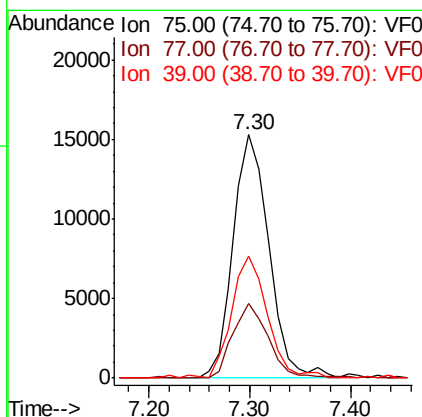
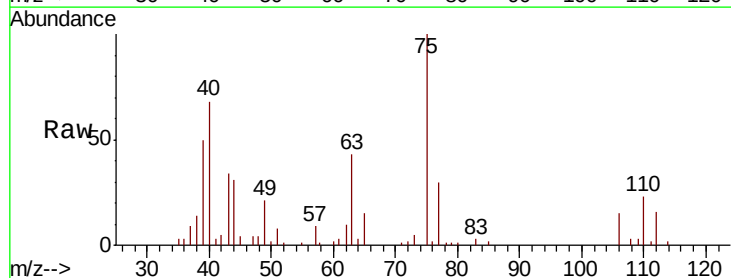
Manual Integrations
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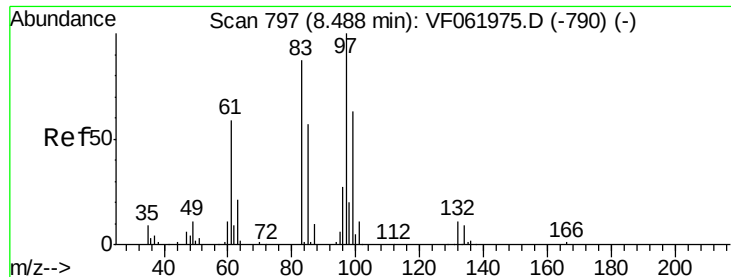
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 10.470 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.4	39.6
39	50.0	38.0	57.0





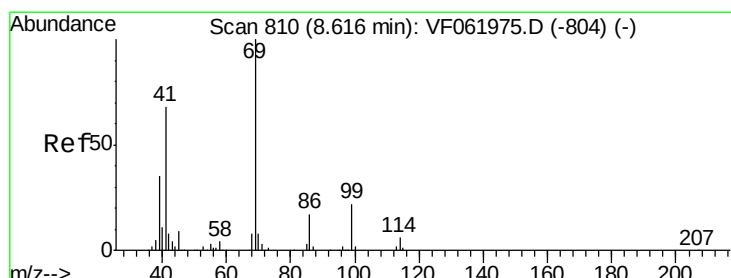
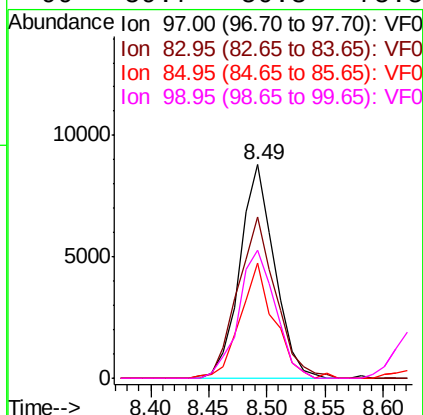
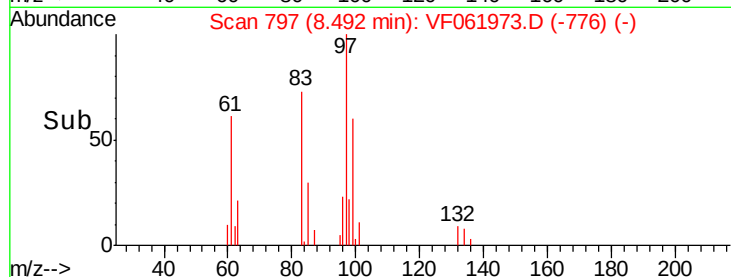
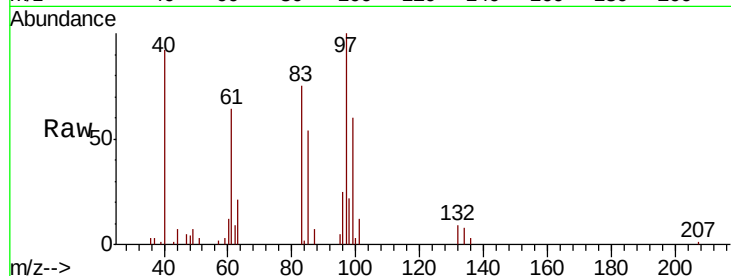
#55
 1,1,2-Trichloroethane
 Concen: 10.770 ug/l
 RT: 8.49 min Scan# 797
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	75.4	69.7	104.5
85	54.1	45.8	68.6
99	59.7	50.3	75.5

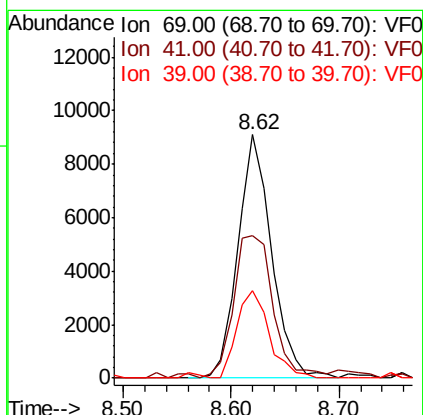
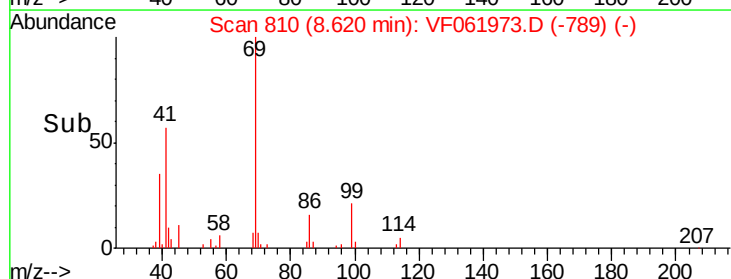
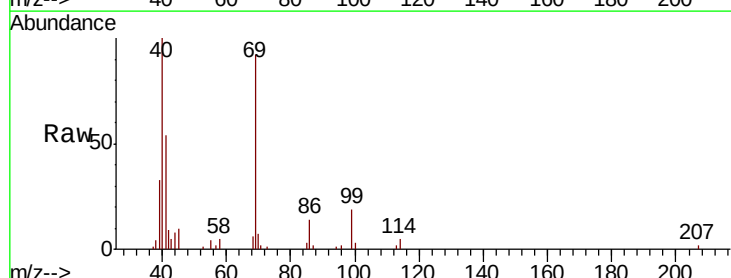
Manual Integrations
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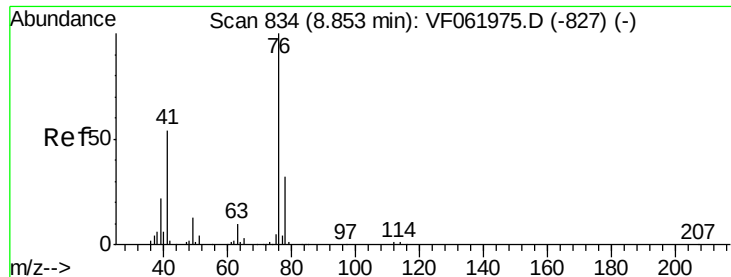
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 10.248 ug/l
 RT: 8.62 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.6	54.7	82.1
39	36.1	27.9	41.9





#57

1,3-Dichloropropane

Concen: 10.432 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 29352

Ion Ratio Lower Upper

76 100

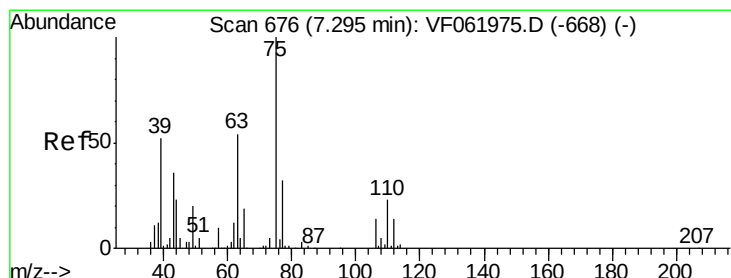
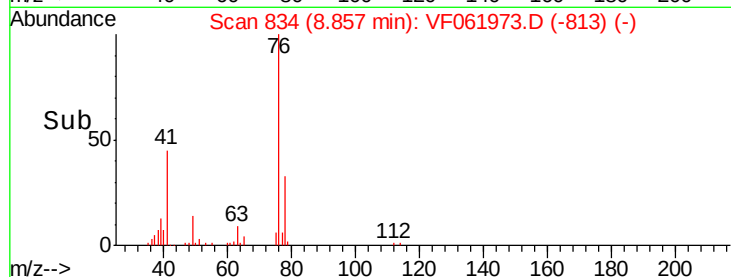
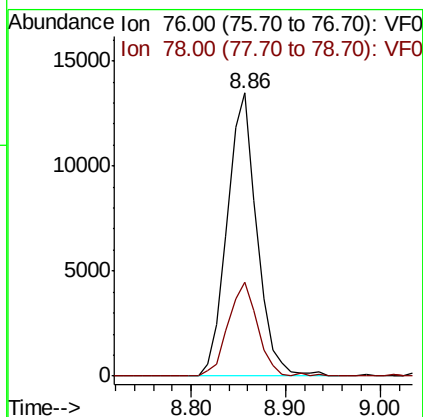
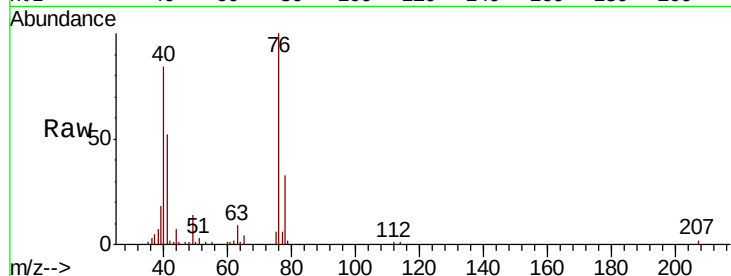
78 34.6 25.4 38.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 48.078 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061973.D

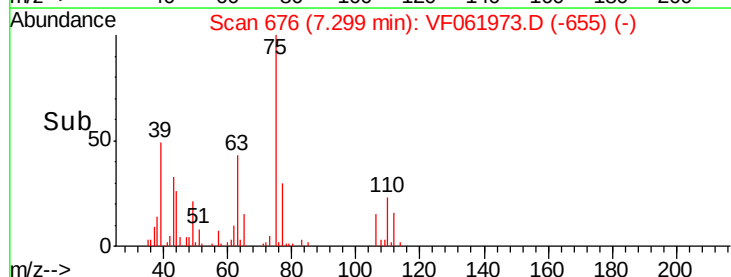
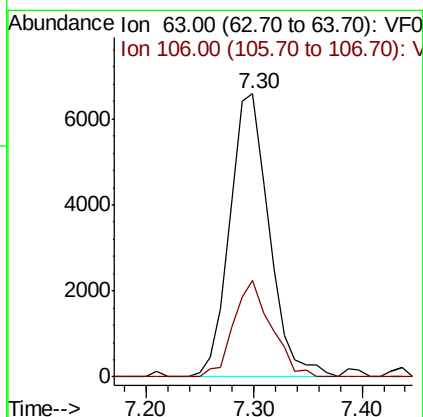
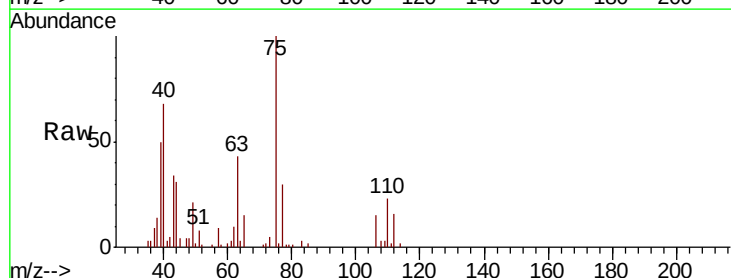
Acq: 16 Mar 2019 11:11

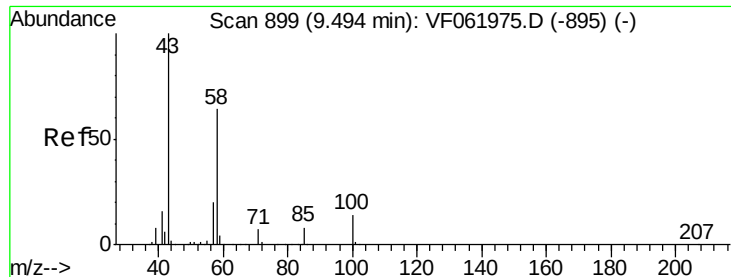
Tgt Ion: 63 Resp: 16698

Ion Ratio Lower Upper

63 100

106 34.2 20.9 31.3#





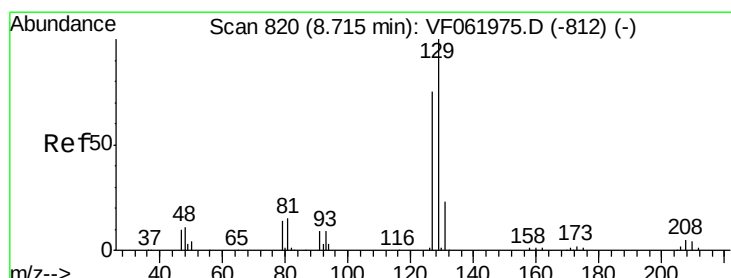
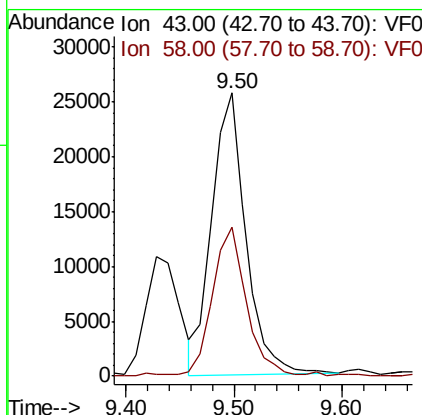
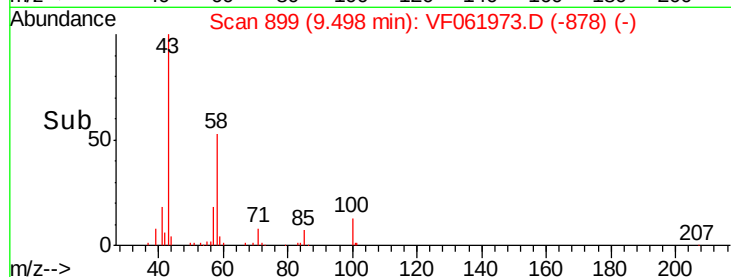
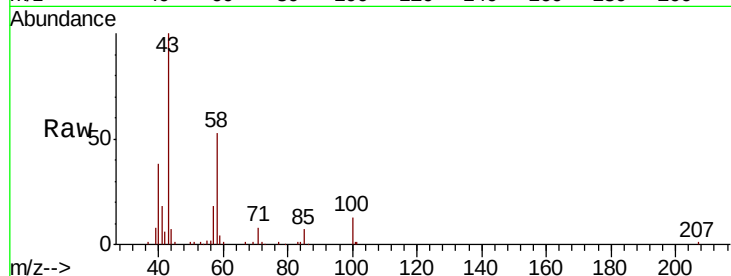
#59
2-Hexanone
Concen: 55.112 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.5	28.4	85.2

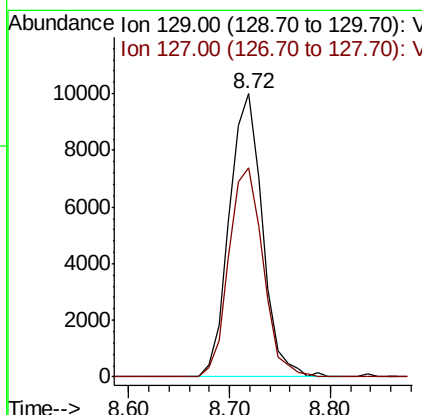
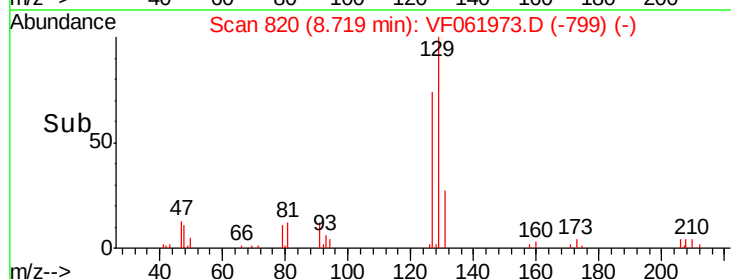
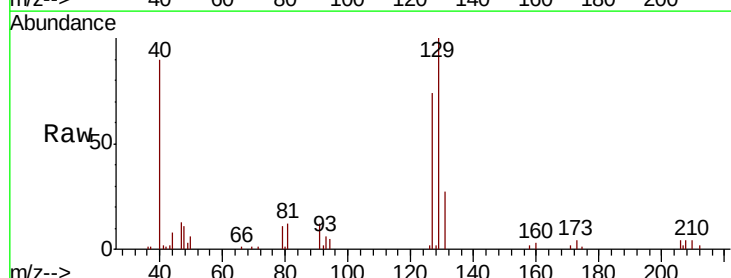
Manual Integrations
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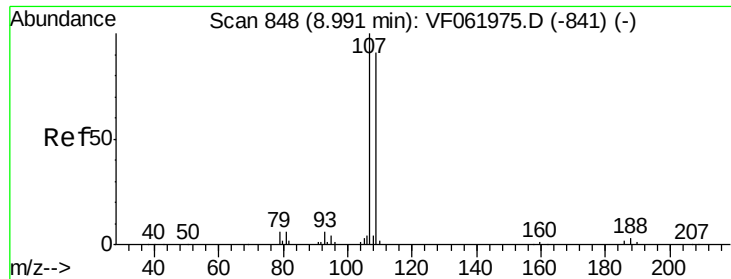
MMDadoda
3/22/2019 6:18:46 PM



#60
Dibromochloromethane
Concen: 9.706 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.7	37.3	111.8





#61

1,2-Dibromoethane

Concen: 10.559 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 19104

Ion Ratio Lower Upper

107 100

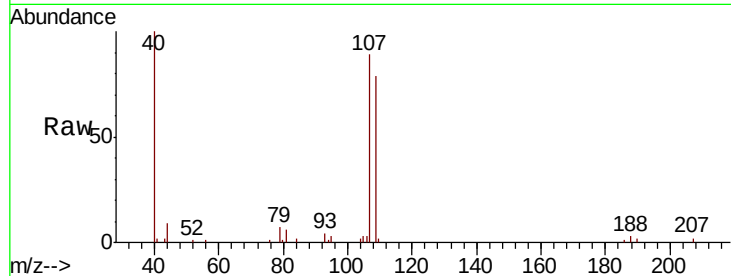
109 91.5 72.8 109.2

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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

10000

8000

6000

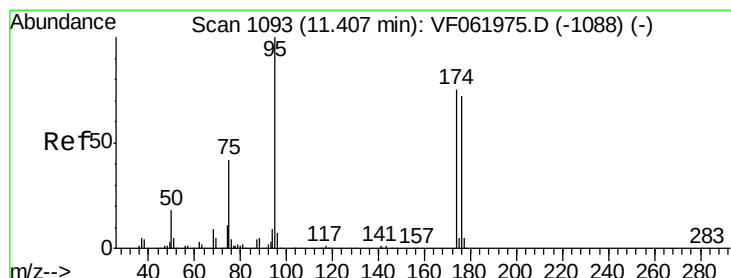
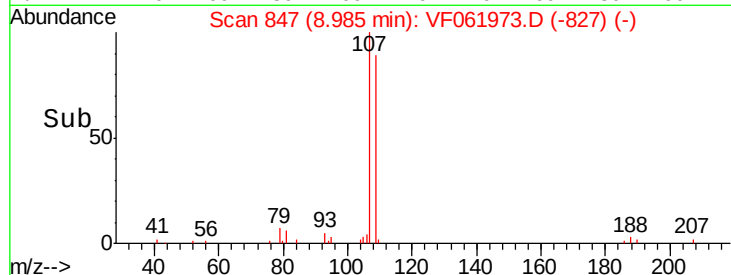
4000

2000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 11.198 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

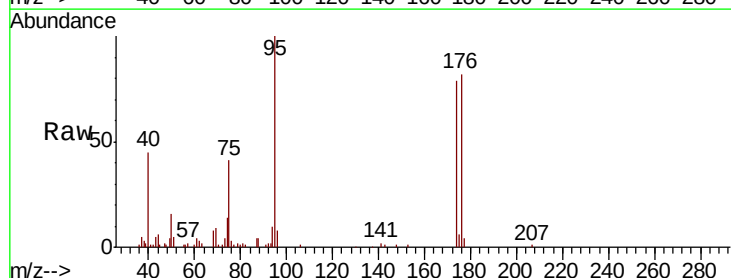
Tgt Ion: 95 Resp: 36098

Ion Ratio Lower Upper

95 100

174 79.3 0.0 149.4

176 82.5 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

25000

20000

15000

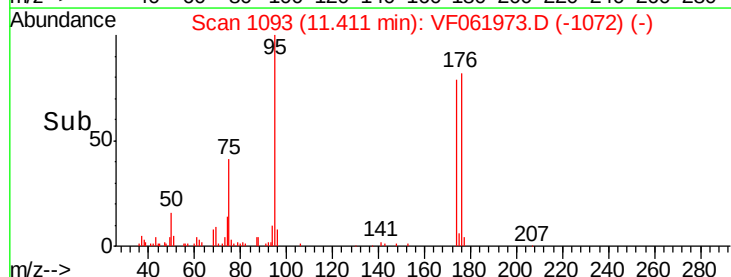
10000

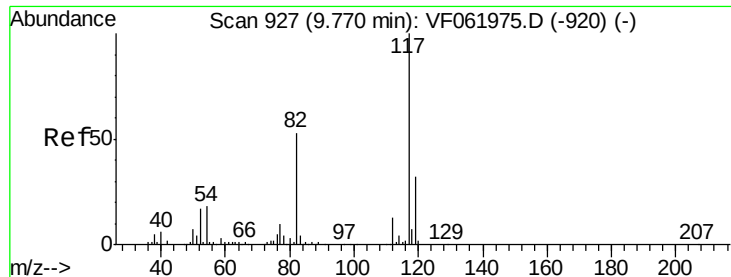
5000

0

Time-->

11.30 11.40 11.50 11.60





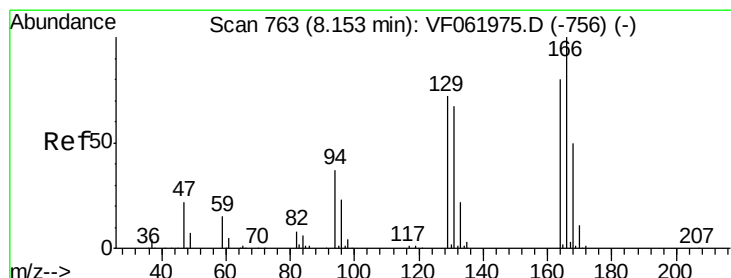
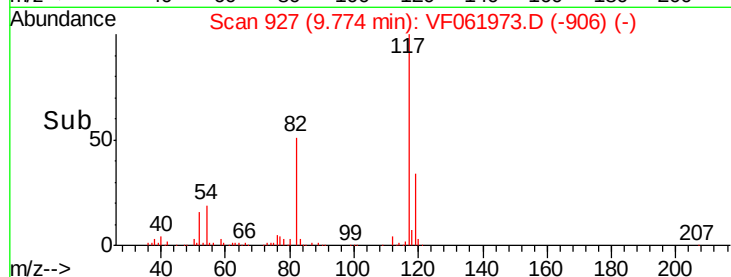
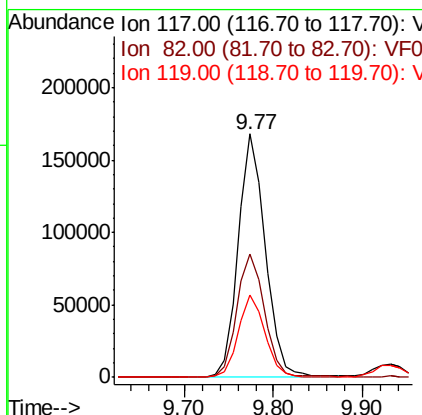
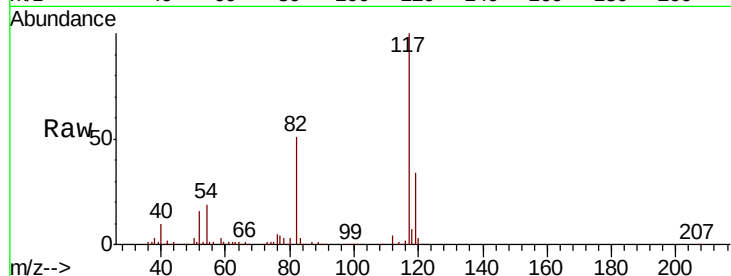
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:	117	Resp:	357267
Ion Ratio	Lower	Upper	
117	100		
82	50.8	42.5	63.7
119	33.7	25.4	38.0

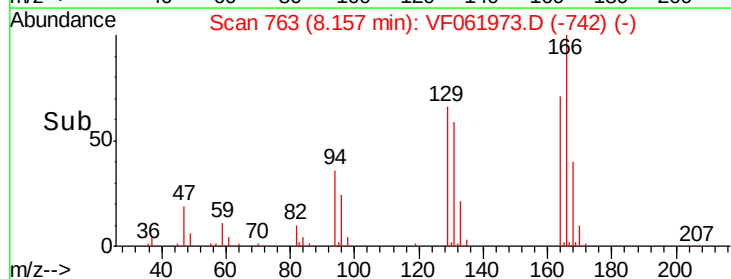
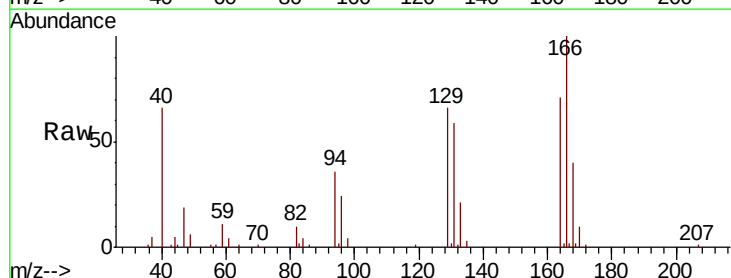
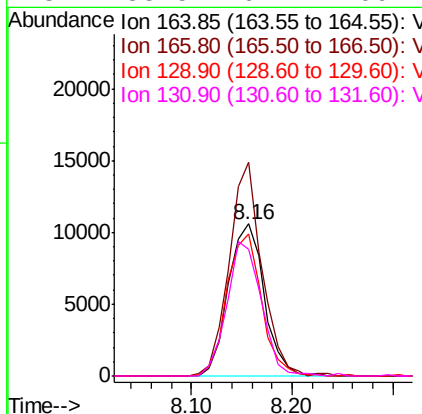
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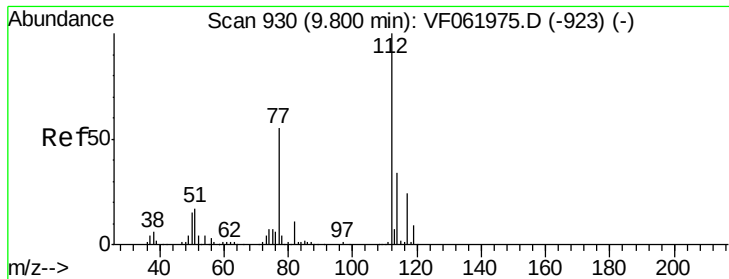
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#64
Tetrachloroethene
Concen: 10.120 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion:	164	Resp:	26282
Ion Ratio	Lower	Upper	
164	100		
166	140.6	100.0	150.0
129	93.2	72.4	108.6
131	83.5	67.1	100.7





#65

Chlorobenzene

Concen: 10.364 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 68936

Ion Ratio Lower Upper

112 100

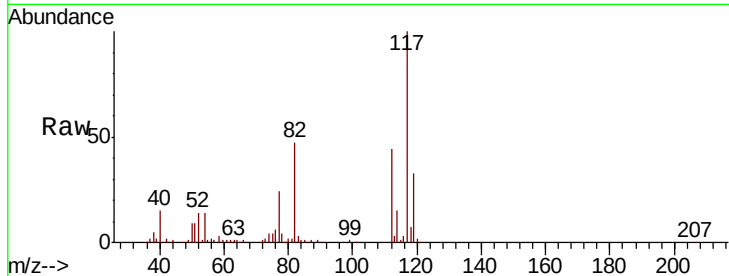
114 34.6 26.9 40.3

Manual Integrations

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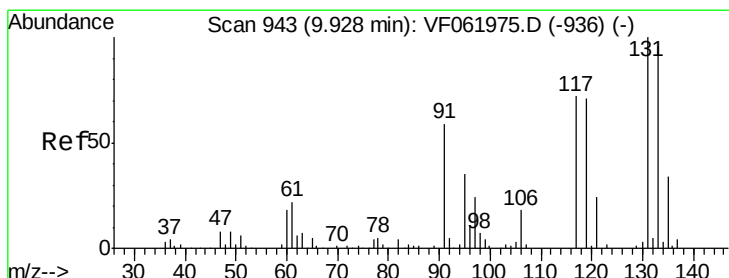
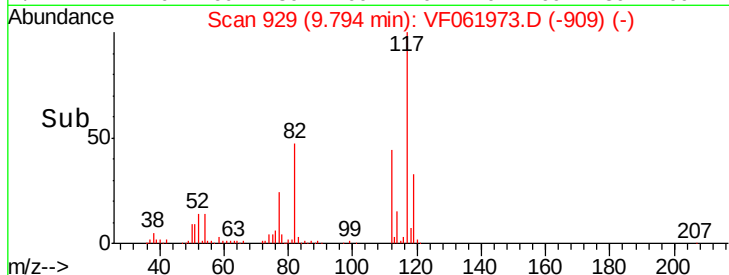
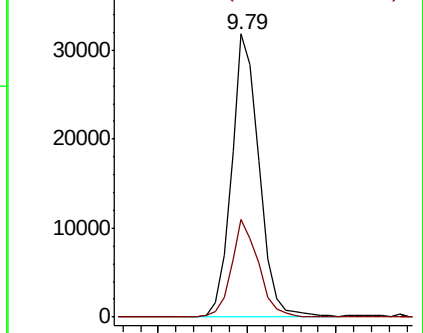
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.311 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

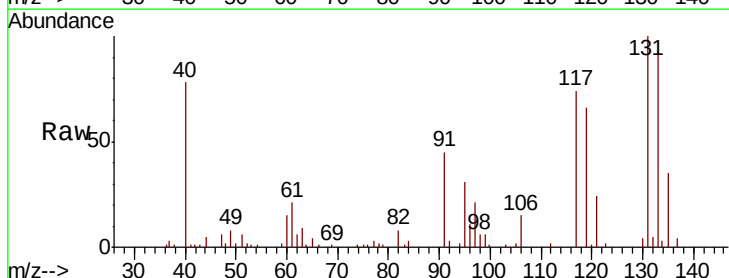
Tgt Ion:131 Resp: 26585

Ion Ratio Lower Upper

131 100

133 93.4 48.0 144.2

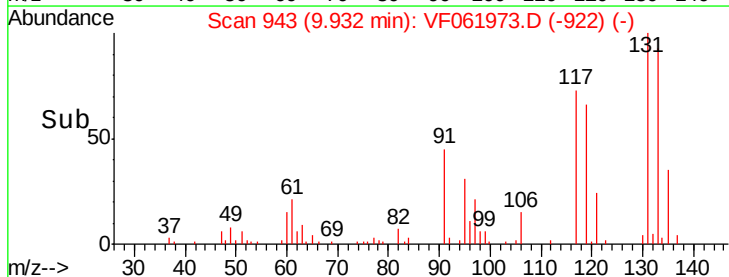
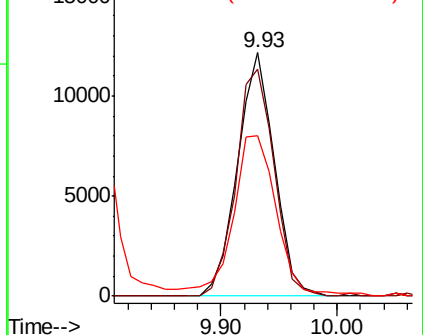
119 65.8 35.9 107.7

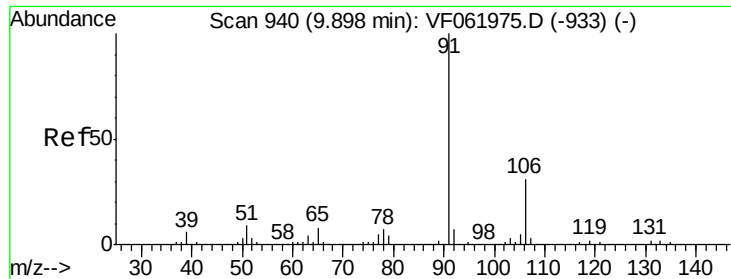


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





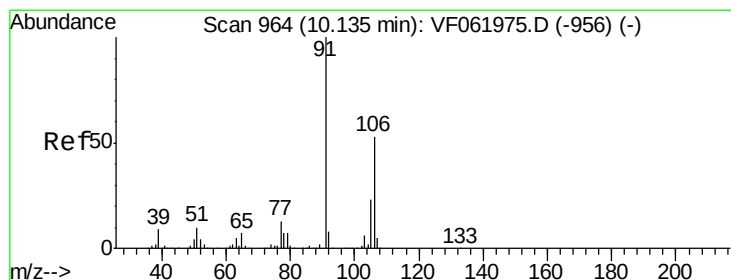
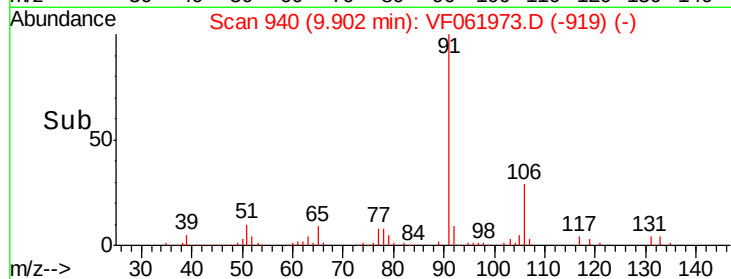
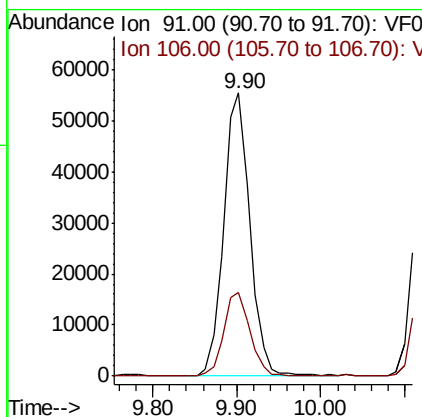
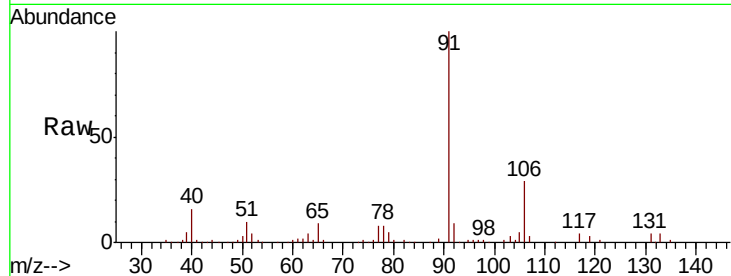
#67
Ethyl Benzene
Concen: 10.519 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 119801
Ion Ratio Lower Upper
91 100
106 29.4 24.4 36.6

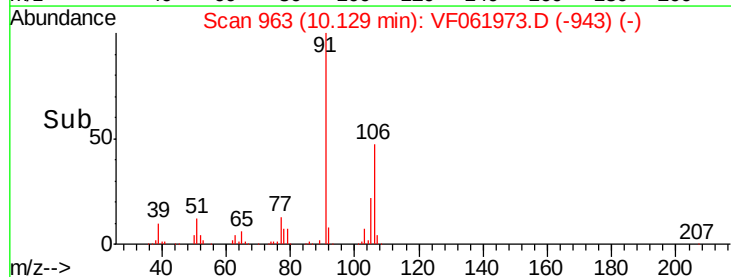
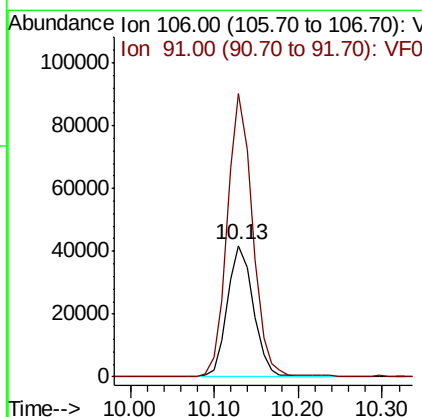
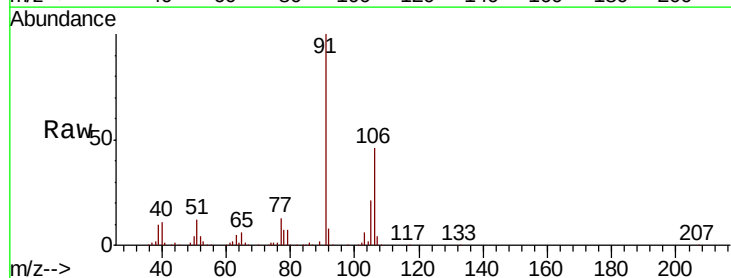
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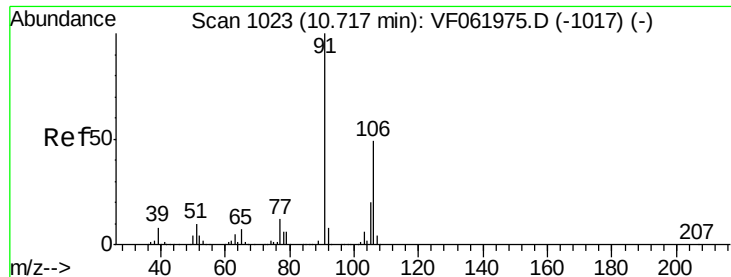
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#68
m/p-Xylenes
Concen: 21.122 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion: 106 Resp: 90478
Ion Ratio Lower Upper
106 100
91 215.4 151.9 227.9





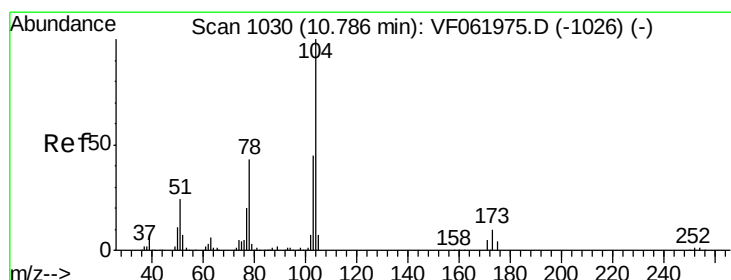
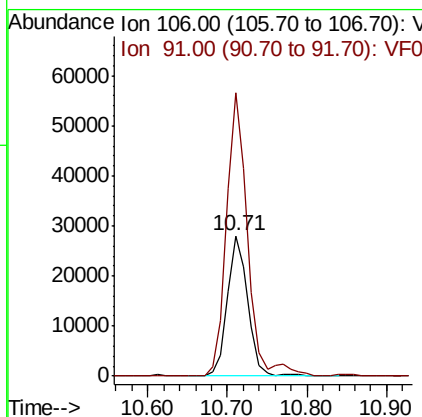
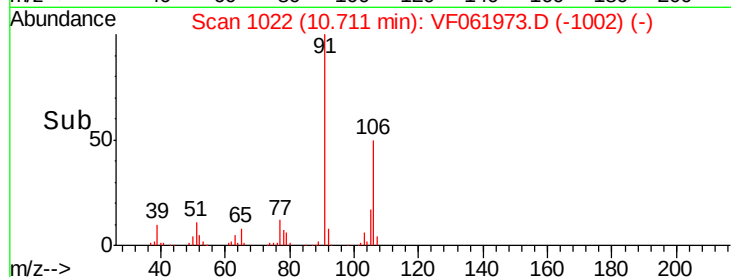
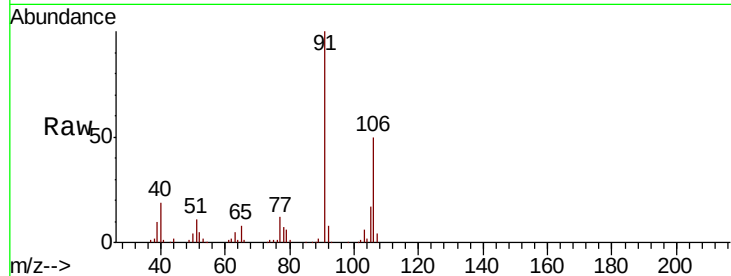
#69
o-Xylene
Concen: 11.106 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 50904
Ion Ratio Lower Upper
106 100
91 201.5 102.3 306.8

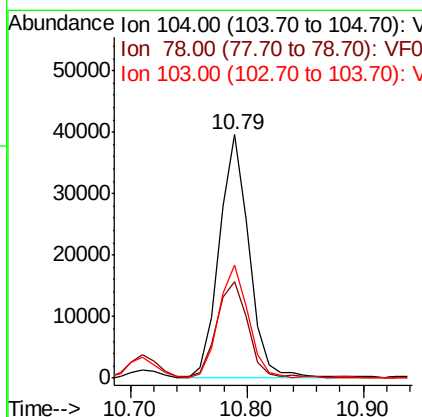
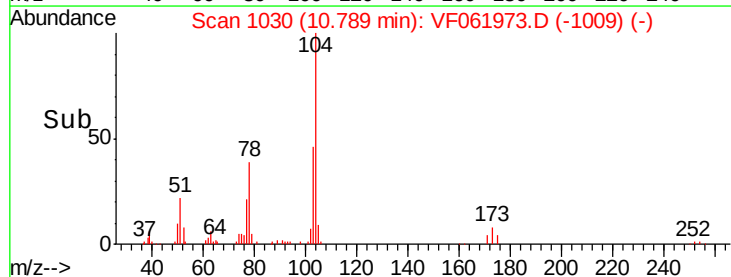
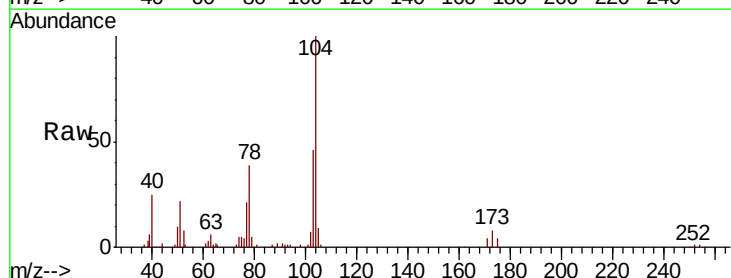
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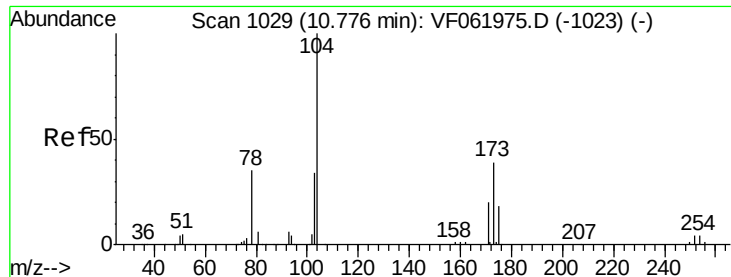
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#70
Styrene
Concen: 10.903 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion:104 Resp: 69237
Ion Ratio Lower Upper
104 100
78 39.5 34.7 52.1
103 46.4 36.6 54.8





#71

Bromoform

Concen: 10.073 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

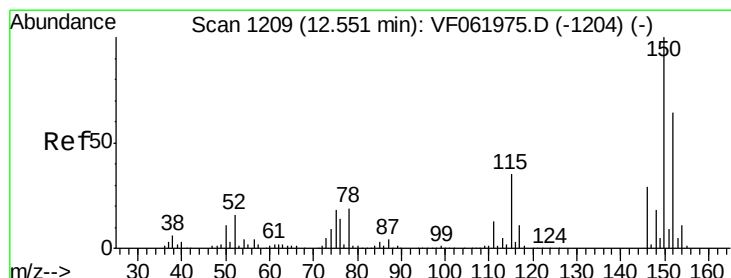
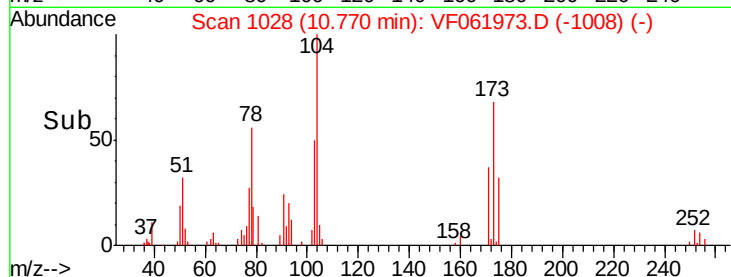
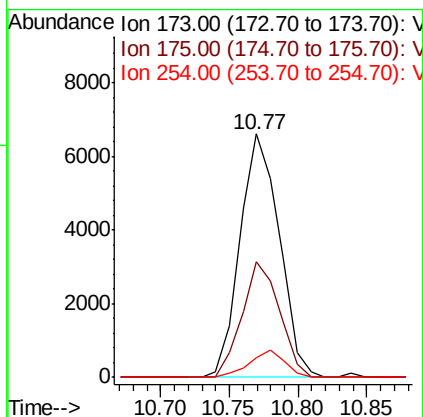
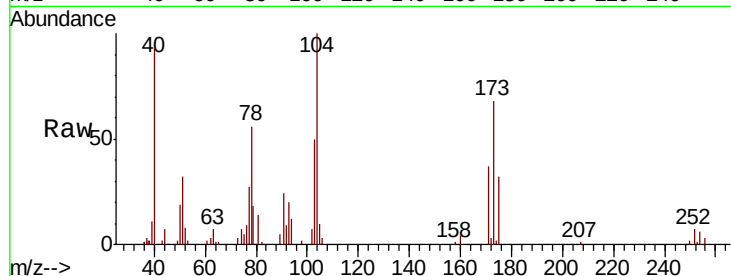
ClientSampleId :

VSTDIC010

Tot Ion:	173	Resp:	13136
Ion Ratio	Lower	Upper	
173	100		
175	47.4	23.7	71.1
254	8.2	7.8	11.8

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

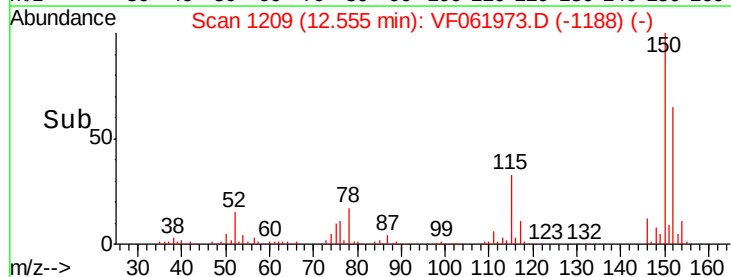
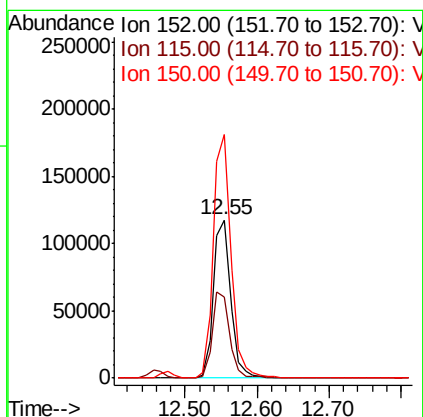
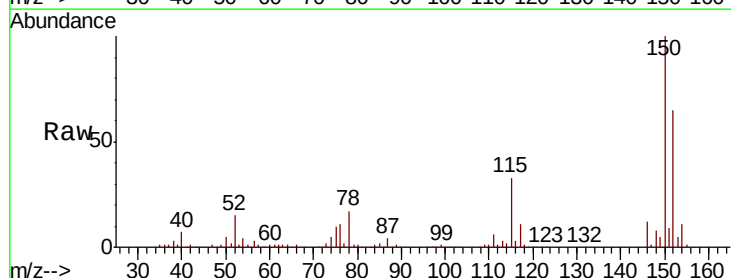
RT: 12.55 min Scan# 1209

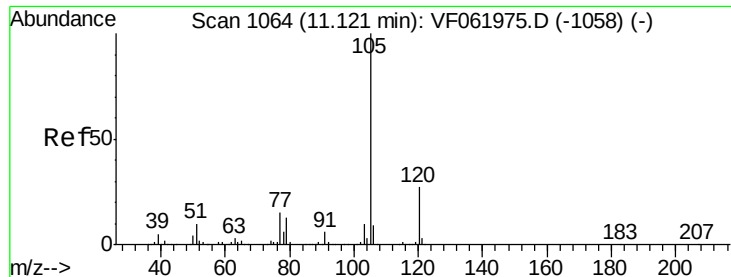
Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion:	152	Resp:	193423
Ion Ratio	Lower	Upper	
152	100		
115	51.1	27.3	81.9
150	153.8	0.0	316.2





#73

Isopropylbenzene

Concen: 10.475 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 139973

Ion Ratio Lower Upper

105 100

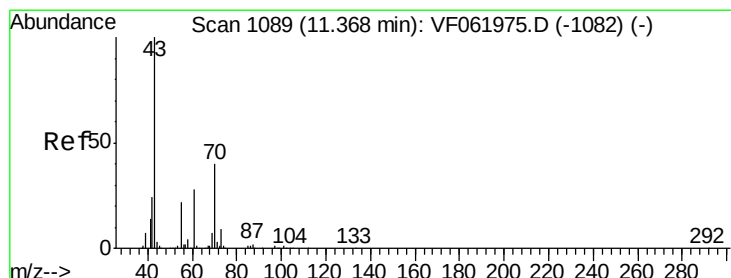
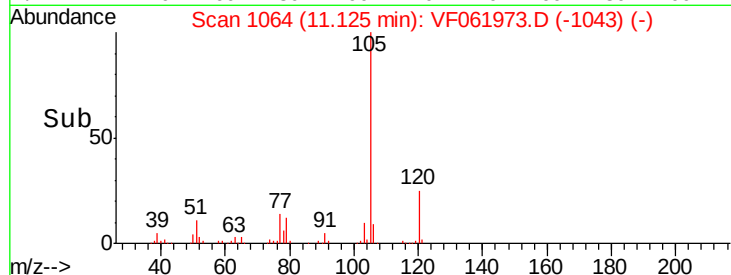
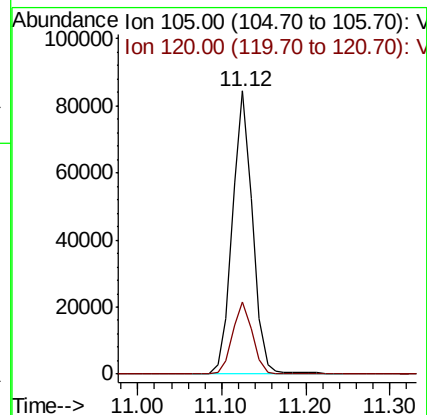
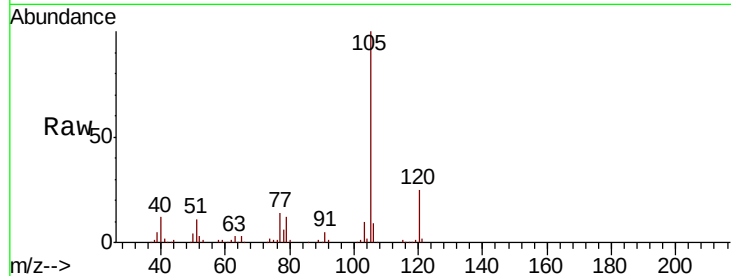
120 25.3 13.8 41.3

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#74

N-ethyl acetate

Concen: 10.303 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion: 43 Resp: 31548

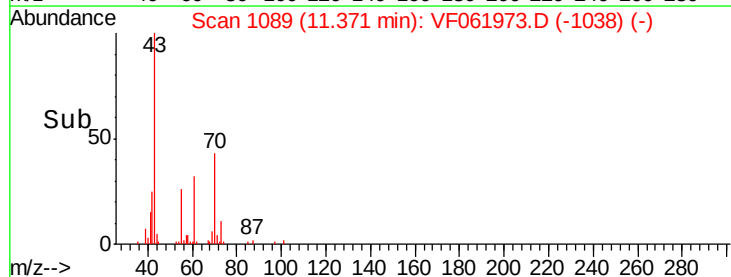
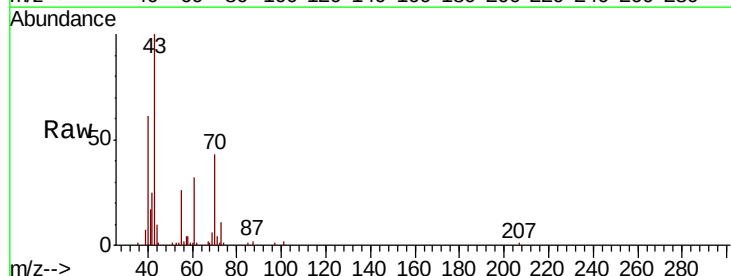
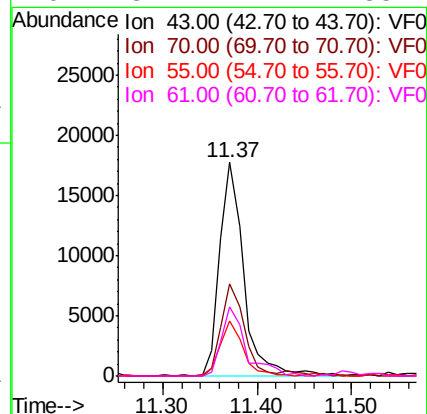
Ion Ratio Lower Upper

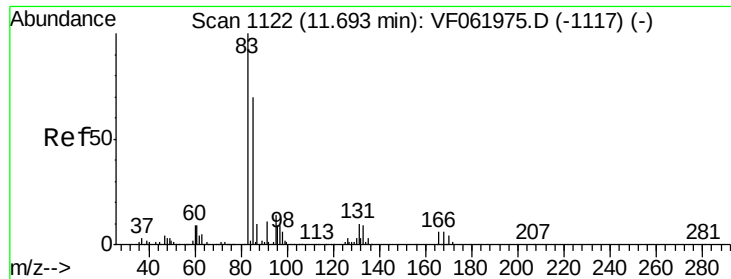
43 100

70 43.2 31.9 47.9

55 26.0 17.9 26.9

61 32.2 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 10.176 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

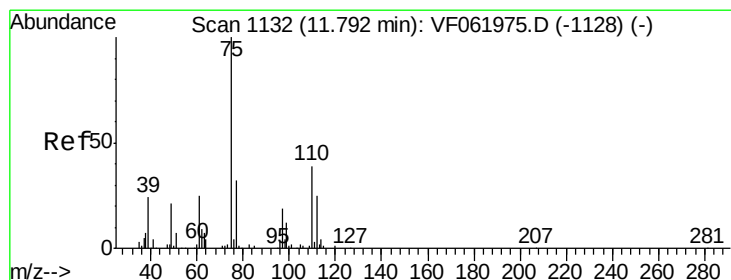
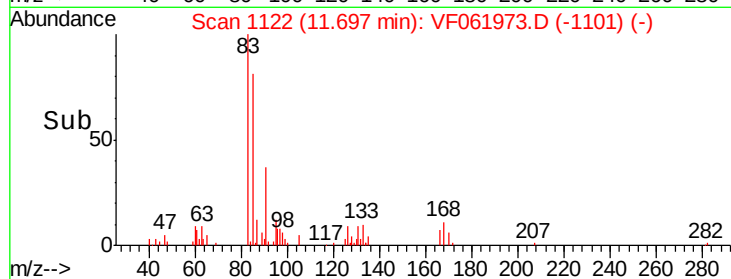
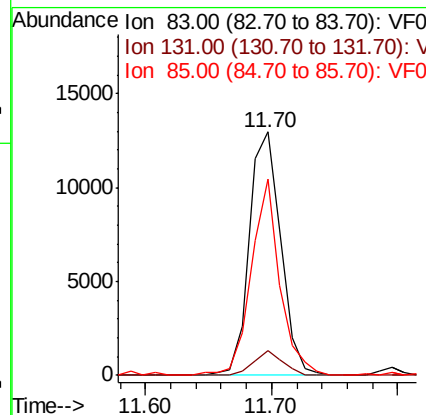
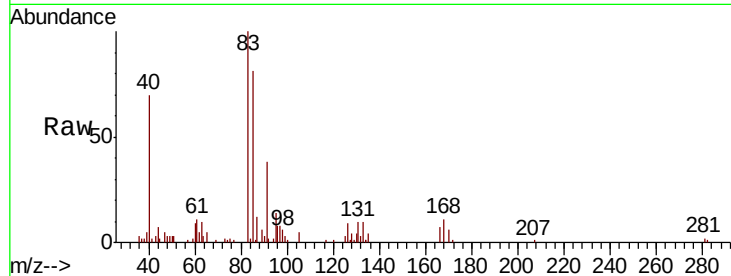
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	22445
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	80.6	35.3	105.9

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#76

1,2,3-Trichloropropane

Concen: 10.959 ug/l

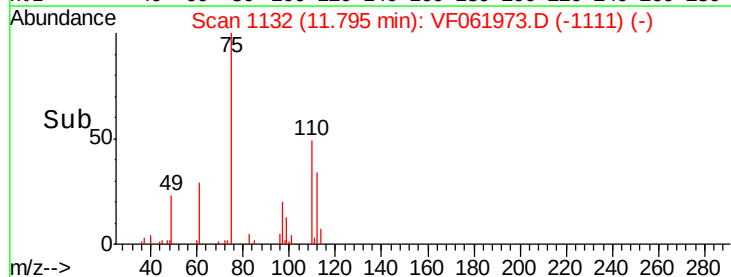
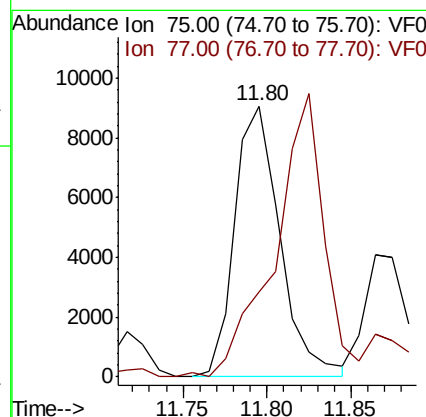
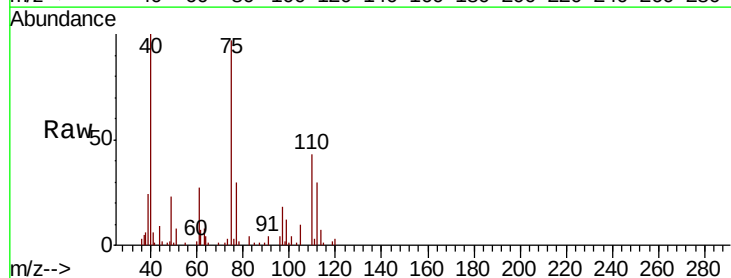
RT: 11.80 min Scan# 1132

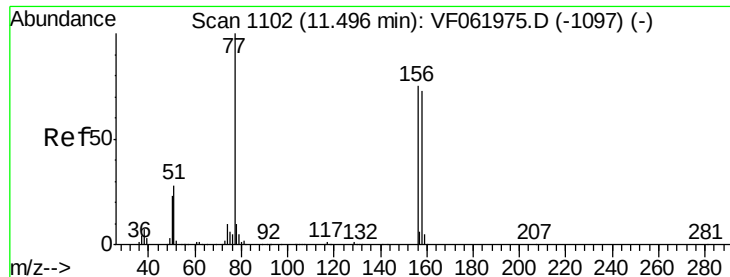
Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion:	75	Resp:	16903
Ion Ratio	Lower	Upper	
75	100		
77	31.4	16.4	49.2





#77

Bromobenzene

Concen: 10.135 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

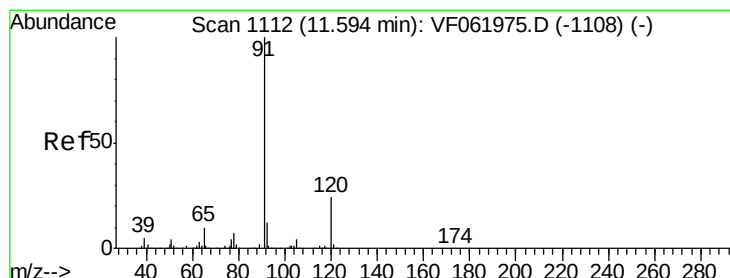
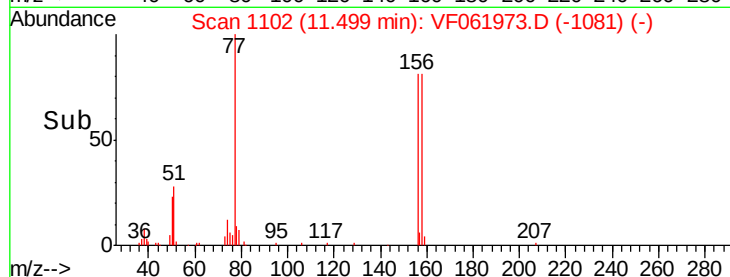
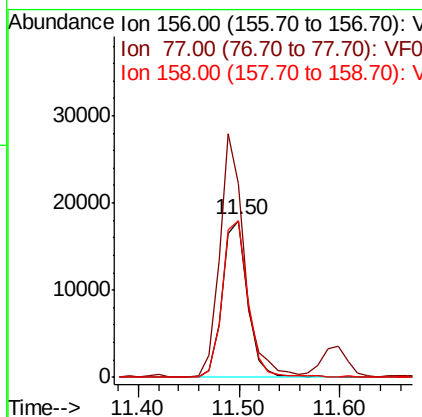
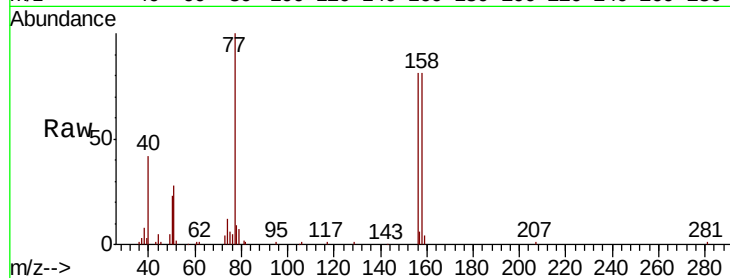
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	31364
Ion Ratio	Lower	Upper	
156	100		
77	123.1	67.0	201.0
158	100.0	48.9	146.7

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#78

n-propylbenzene

Concen: 10.894 ug/l

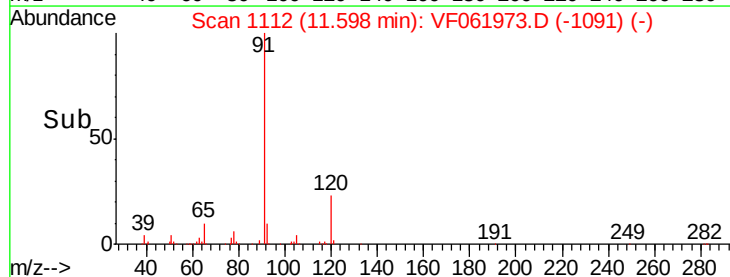
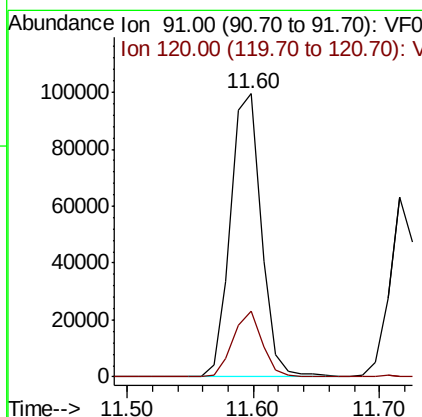
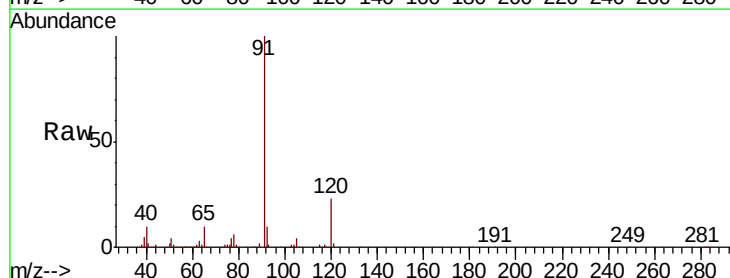
RT: 11.60 min Scan# 1112

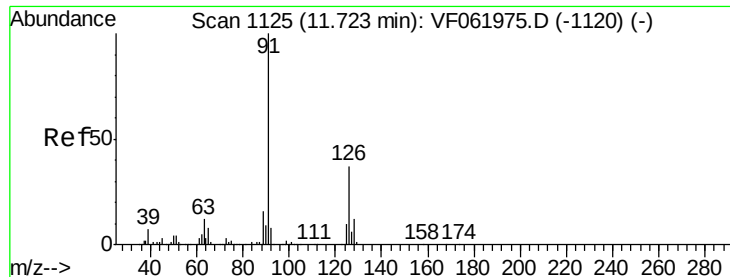
Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion:	91	Resp:	167386
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.8	35.3





#79

2-Chlorotoluene

Concen: 10.960 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 95059

Ion Ratio Lower Upper

91 100

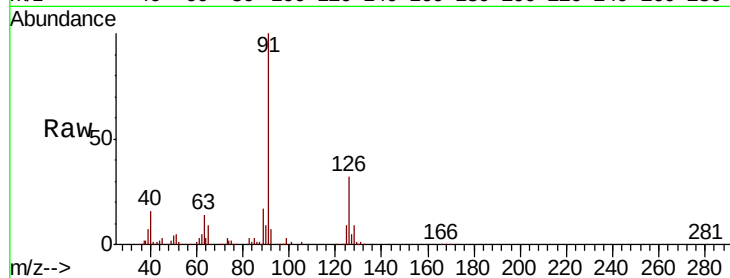
126 32.1 18.4 55.2

Manual Integrations

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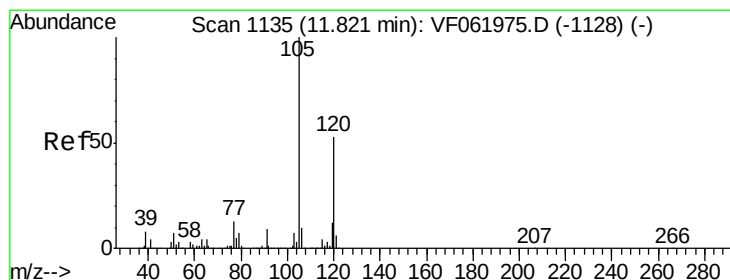
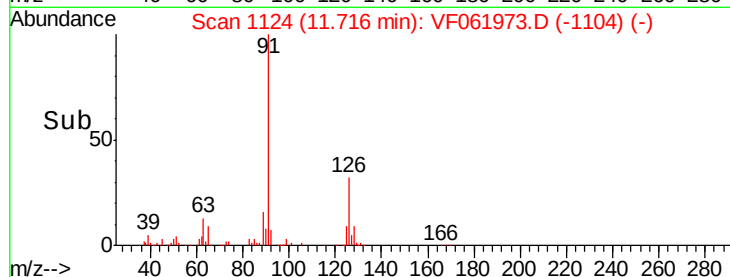
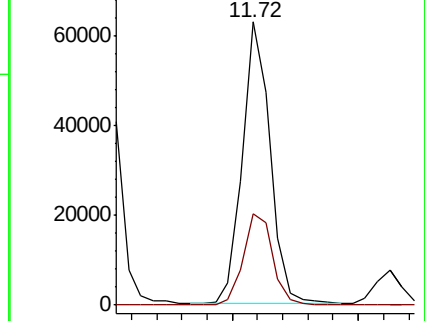
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 10.717 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061973.D

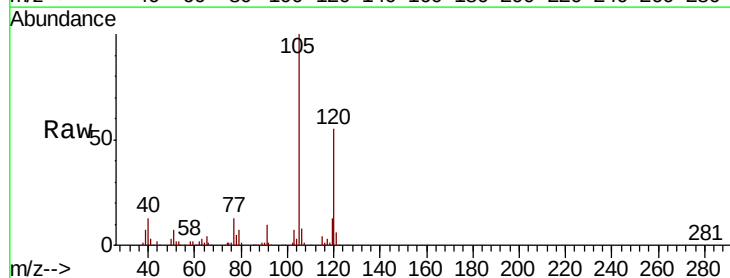
Acq: 16 Mar 2019 11:11

Tgt Ion:105 Resp: 115686

Ion Ratio Lower Upper

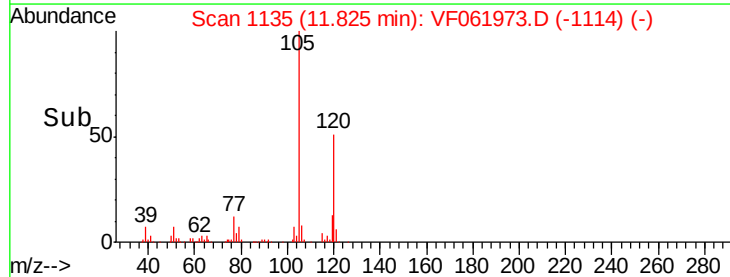
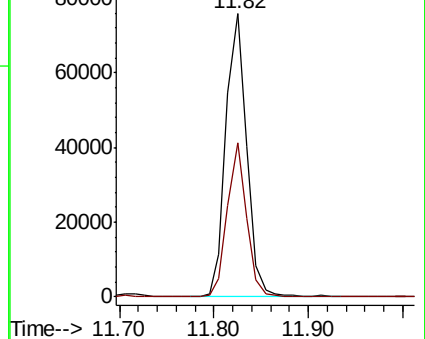
105 100

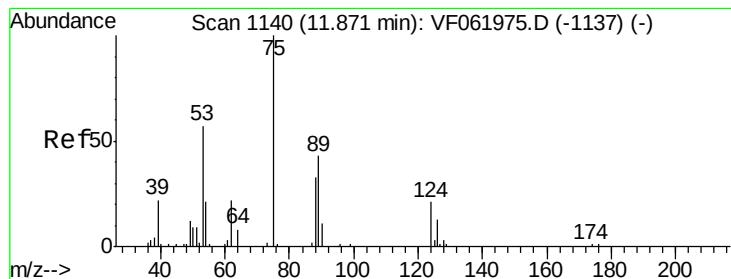
120 54.6 26.6 79.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 9.771 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

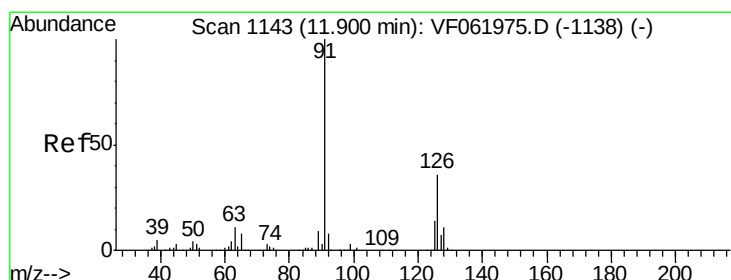
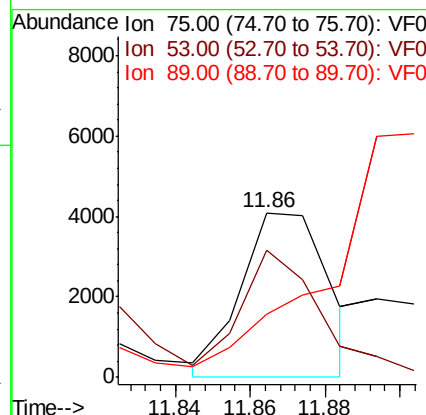
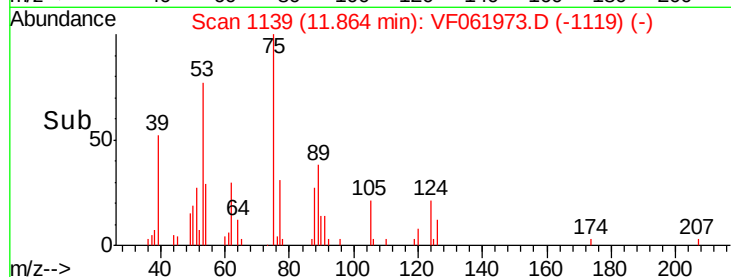
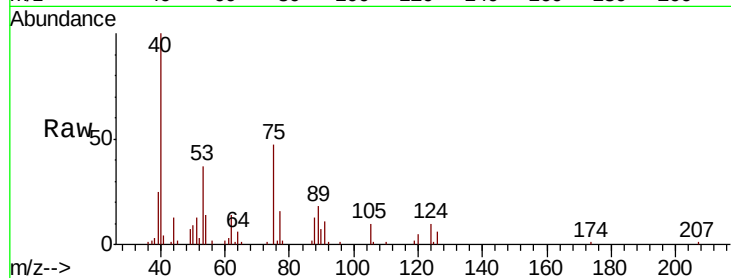
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	6667
Ion	Ratio	Lower	Upper
75	100		
53	77.1	49.0	73.6#
89	38.0	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 10.947 ug/l

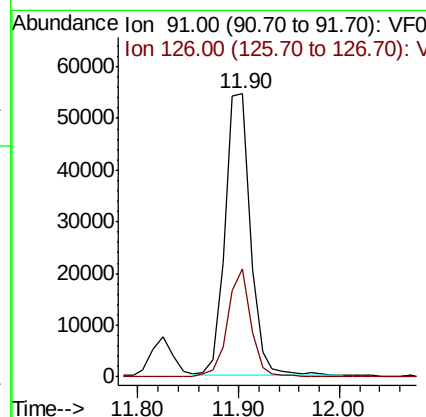
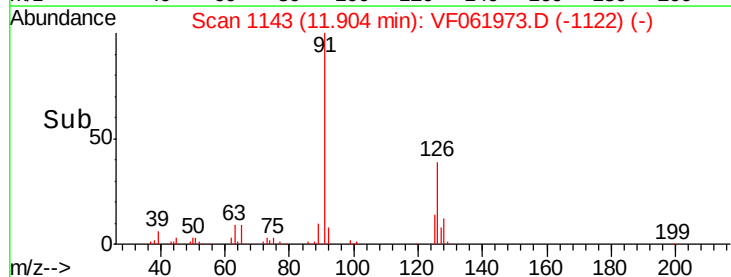
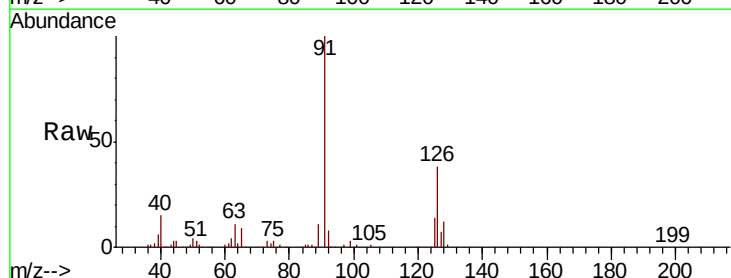
RT: 11.90 min Scan# 1143

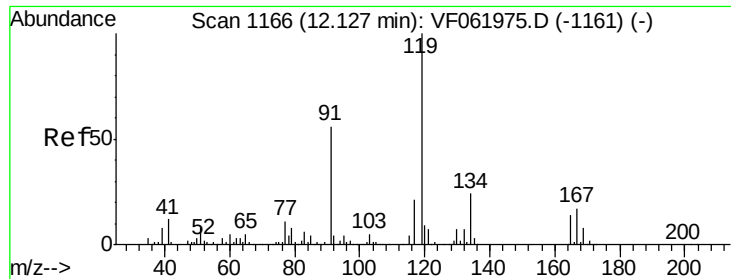
Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion:	91	Resp:	96009
Ion	Ratio	Lower	Upper
91	100		
126	37.9	18.1	54.1





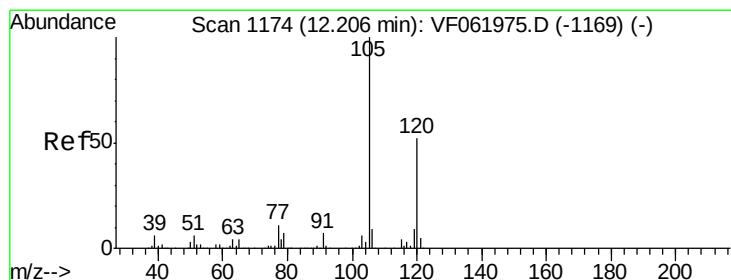
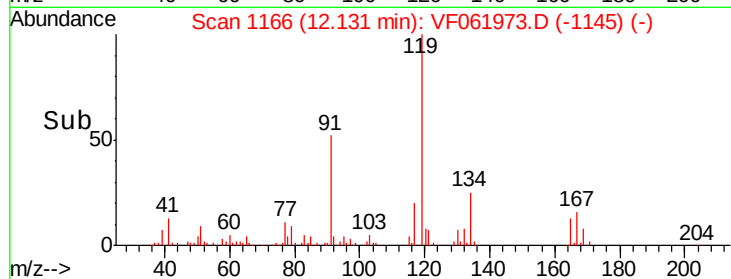
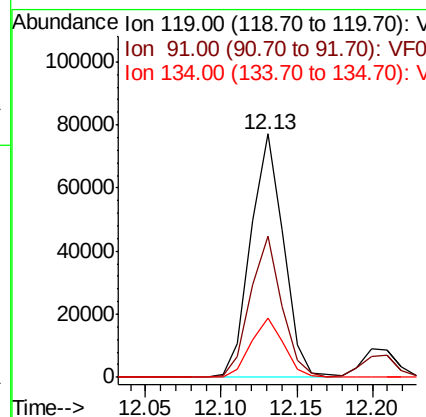
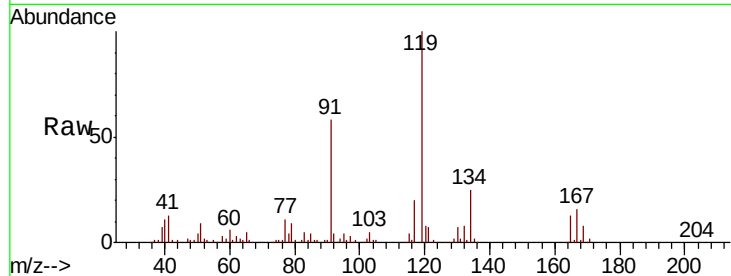
#83
 tert-Butylbenzene
 Concen: 10.417 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	117591		
91	58.3	27.9	83.6	
134	24.6	12.3	36.8	

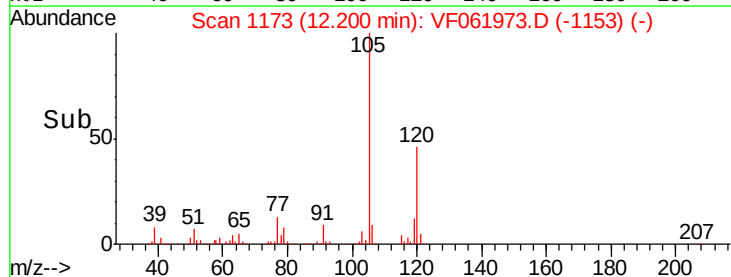
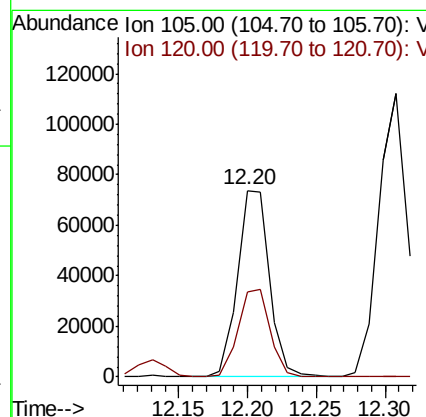
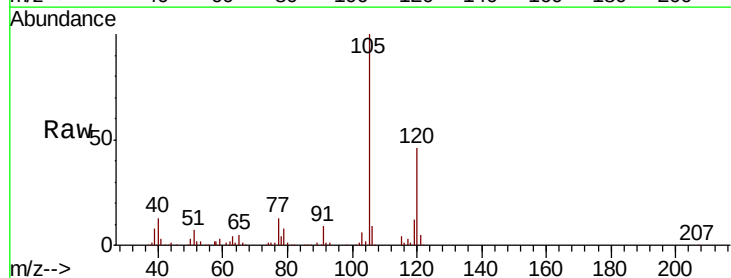
Manual Integrations
 APPROVED

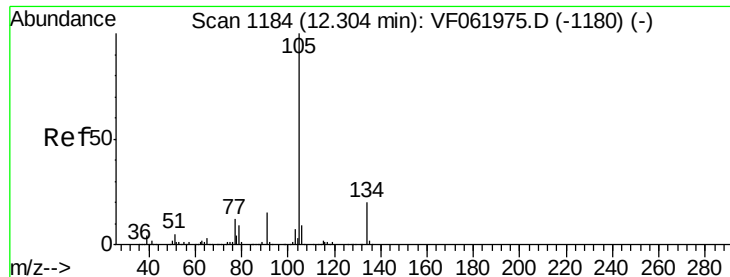
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#84
 1,2,4-Trimethylbenzene
 Concen: 11.113 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	120156		
120	45.8	25.9	77.8	





#85

sec-Butylbenzene

Concen: 10.888 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 166070

Ion Ratio Lower Upper

105 100

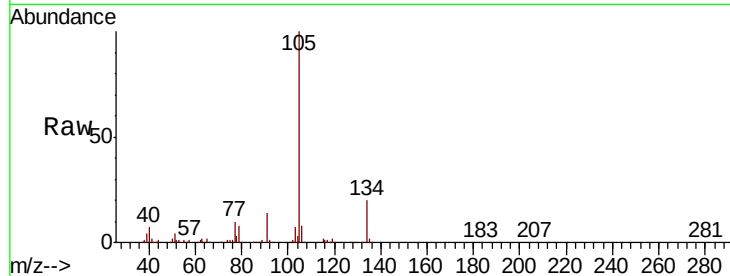
134 20.1 10.0 29.8

Manual Integrations

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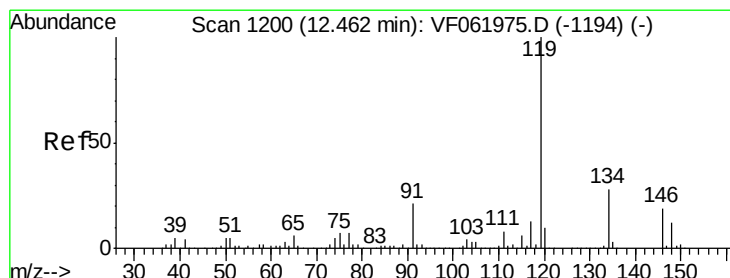
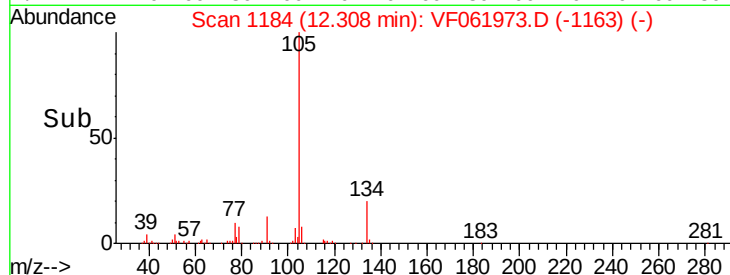
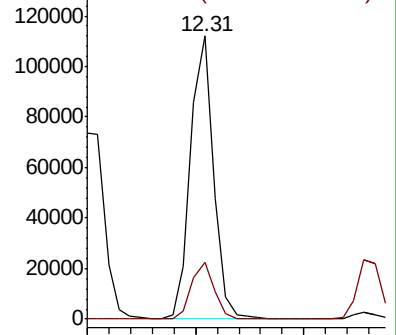
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.979 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

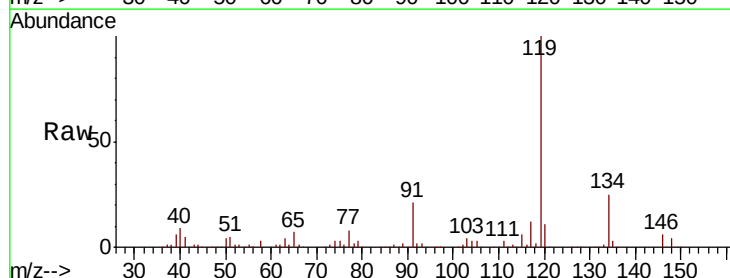
Tgt Ion:119 Resp: 139724

Ion Ratio Lower Upper

119 100

134 24.6 13.9 41.7

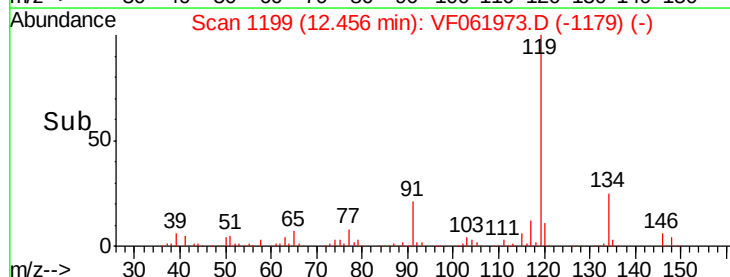
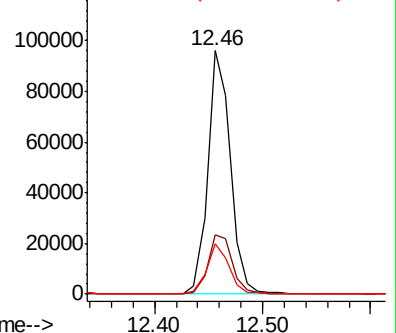
91 20.8 10.4 31.1

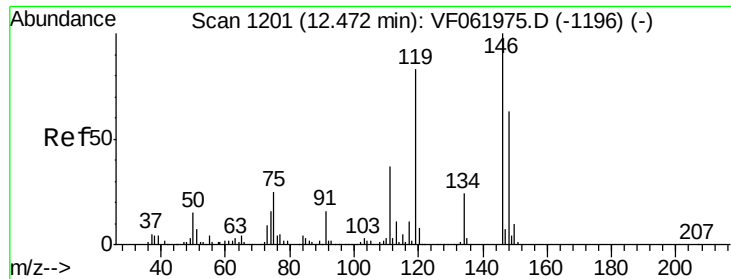


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





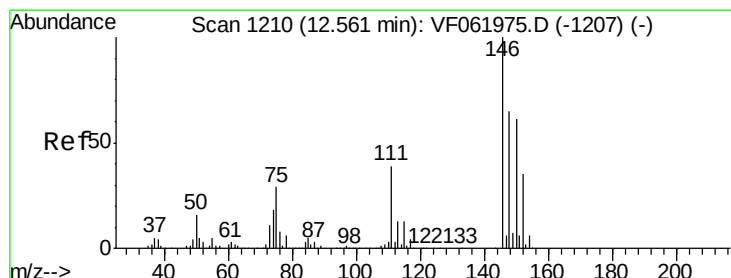
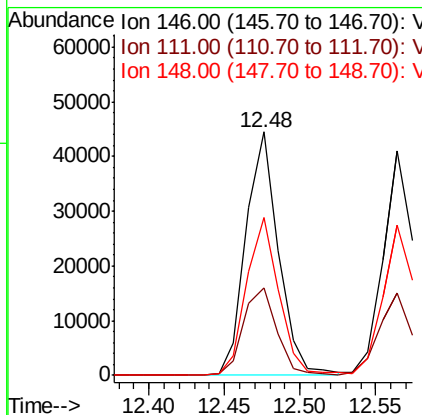
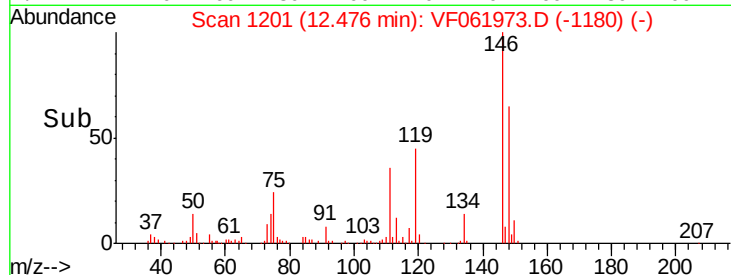
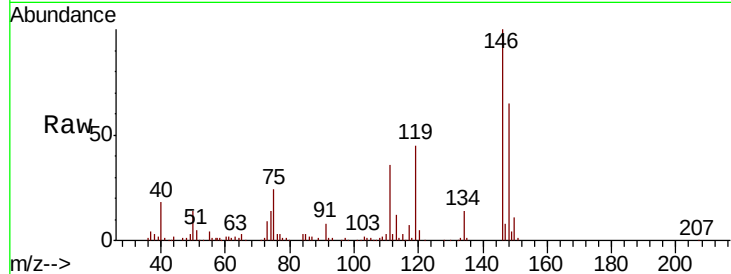
#87
 1,3-Dichlorobenzene
 Concen: 11.051 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.6	55.8
148	64.8	31.3	93.9

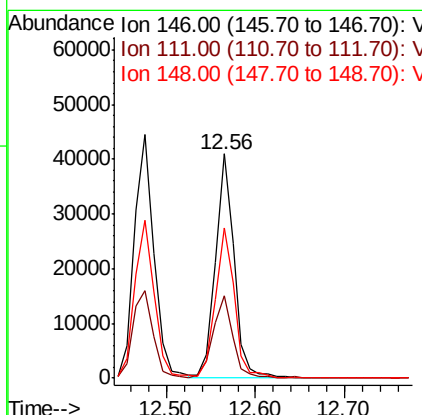
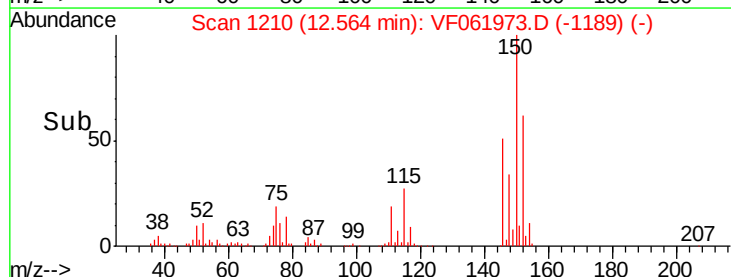
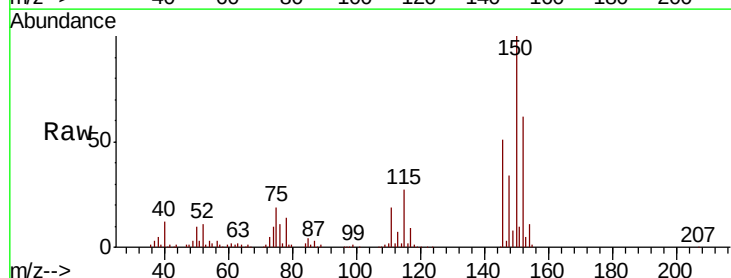
Manual Integrations
 APPROVED

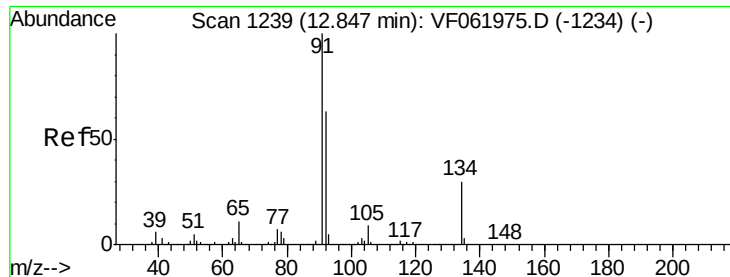
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#88
 1,4-Dichlorobenzene
 Concen: 10.366 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.4	58.1
148	67.0	32.4	97.0





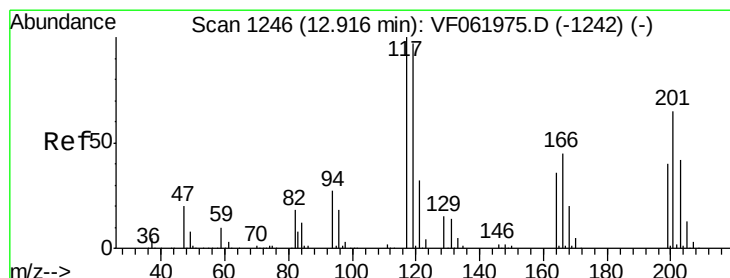
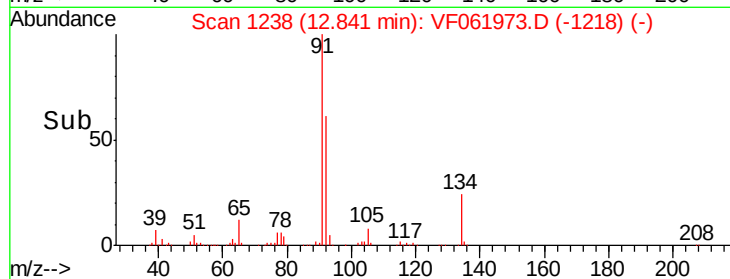
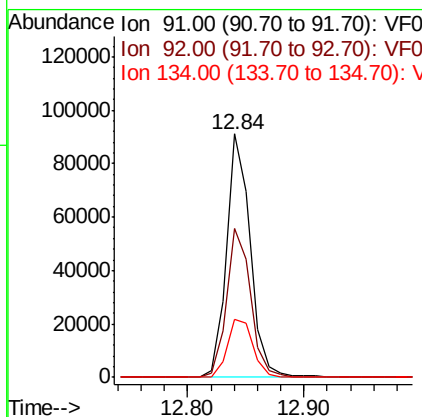
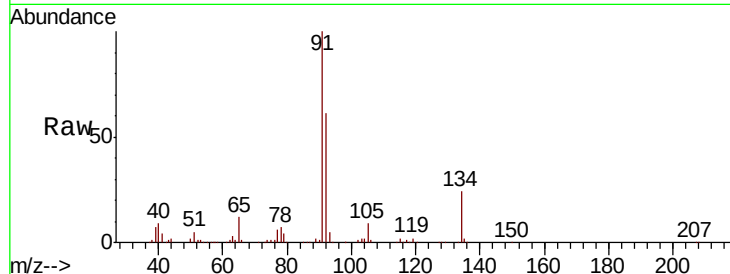
#89
n-Butylbenzene
Concen: 10.709 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.1	31.7	95.1
134	24.1	15.1	45.3

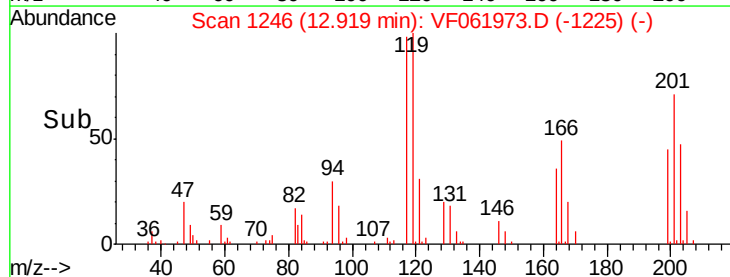
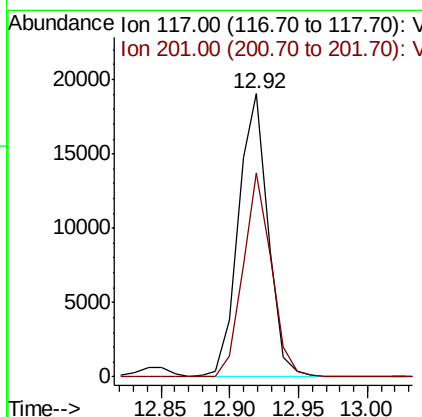
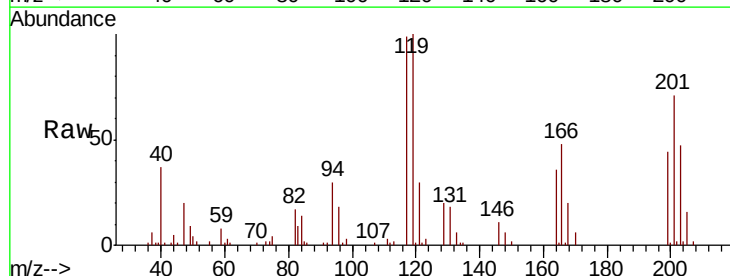
Manual Integrations
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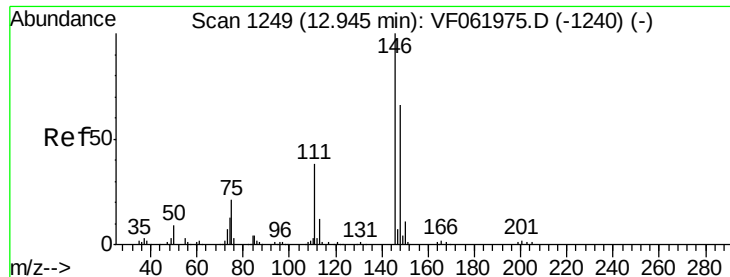
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#90
Hexachloroethane
Concen: 9.863 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.9	32.5	97.5





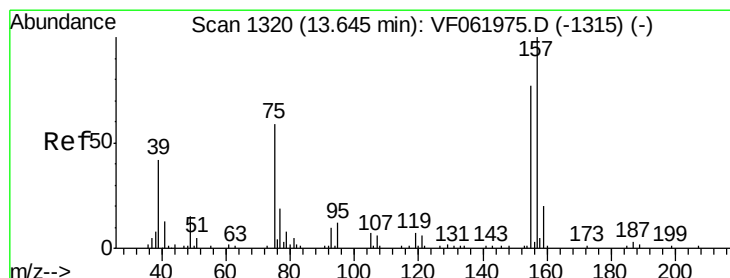
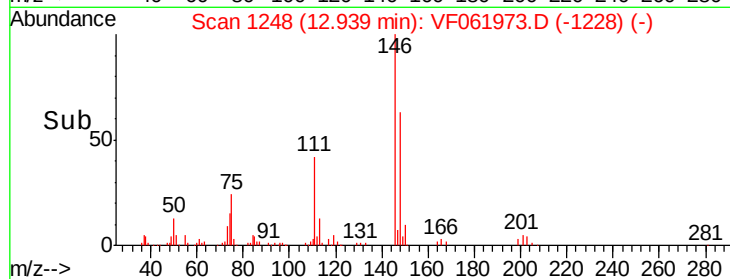
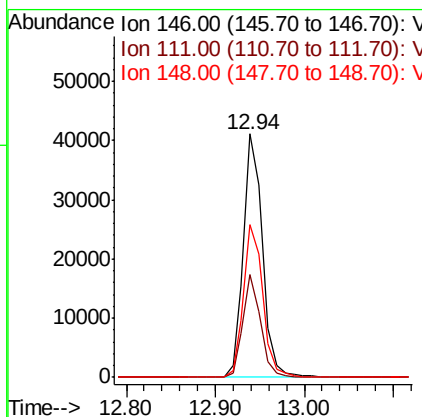
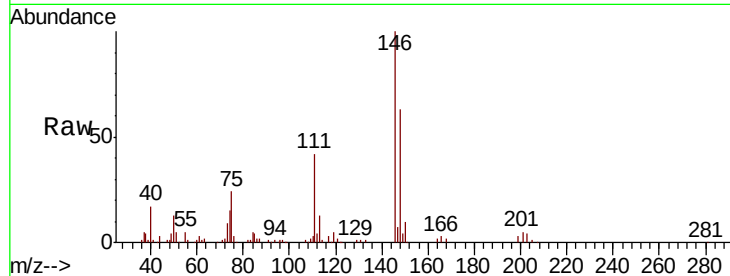
#91
 1,2-Dichlorobenzene
 Concen: 10.851 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	18.9	56.5
148	62.9	32.9	98.6

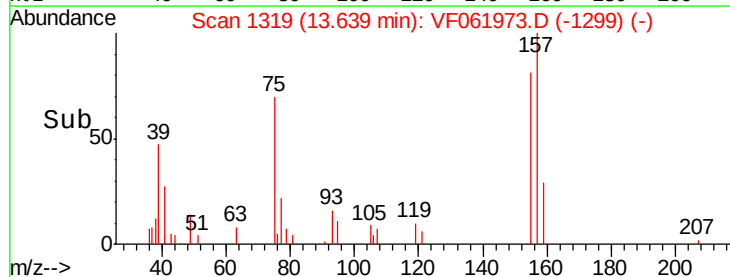
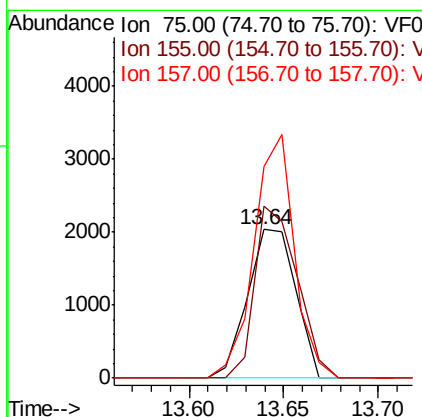
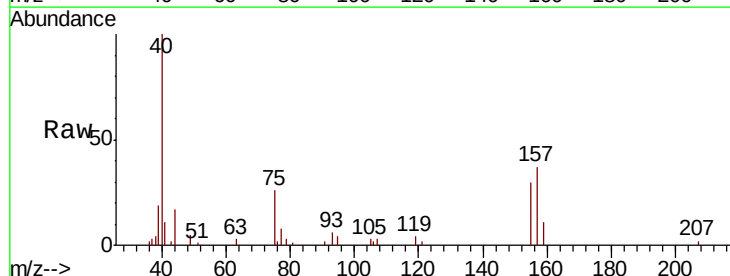
Manual Integrations
 APPROVED

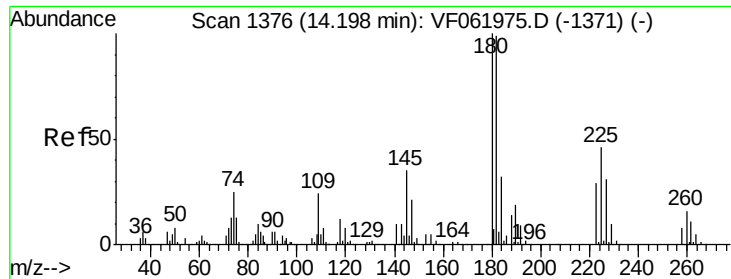
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.160 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	115.8	65.0	195.1
157	142.3	84.7	254.0





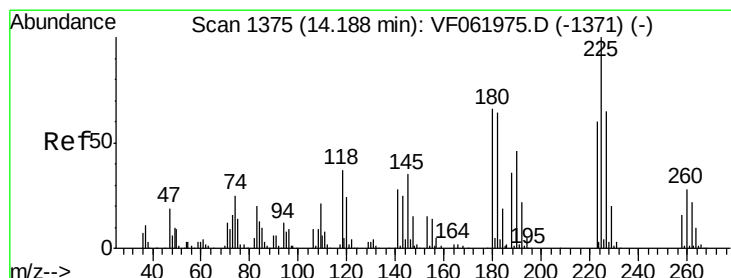
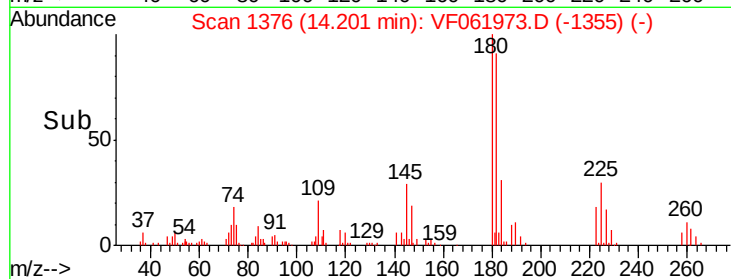
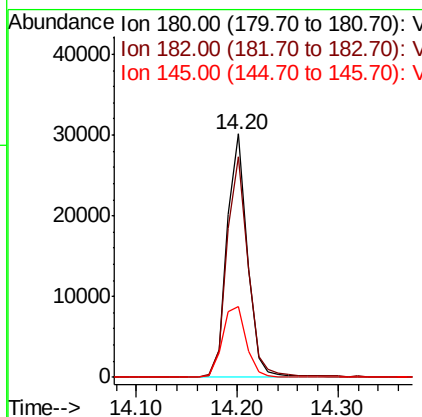
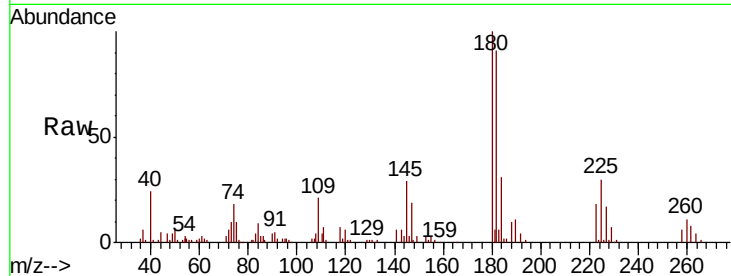
#93
 1,2,4-Trichlorobenzene
 Concen: 10.783 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.8	49.6	149.0
145	28.8	17.5	52.5

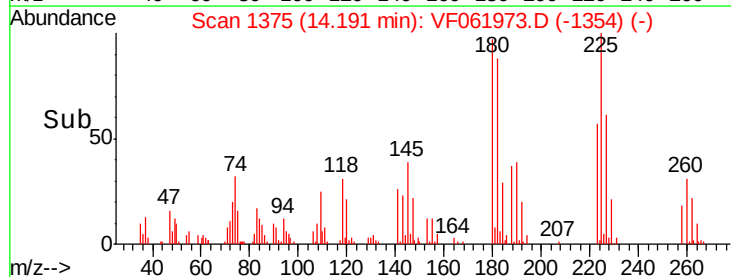
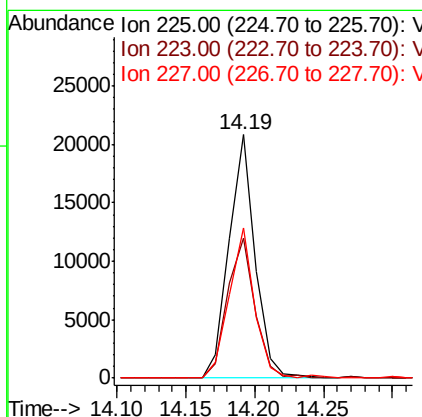
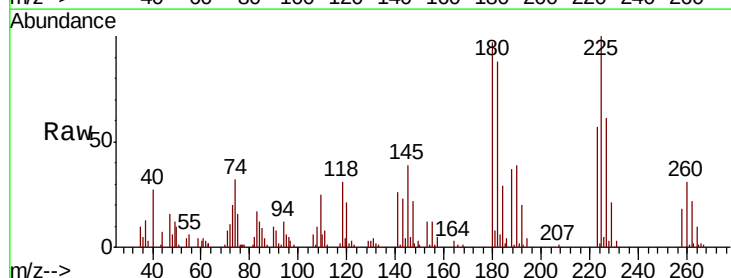
Manual Integrations
 APPROVED

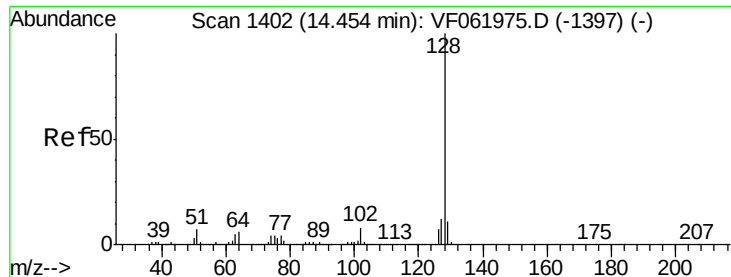
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 3/22/2019 6:18:46 PM



#94
 Hexachlorobutadiene
 Concen: 10.545 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.5	29.9	89.7
227	61.5	32.4	97.2





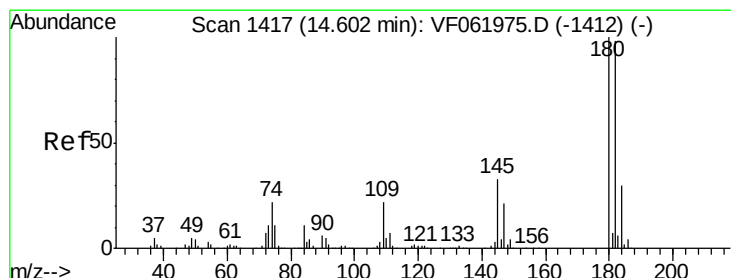
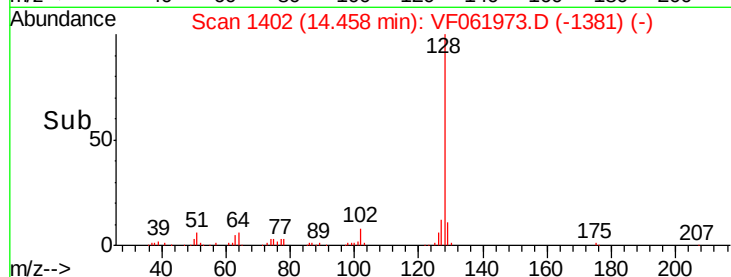
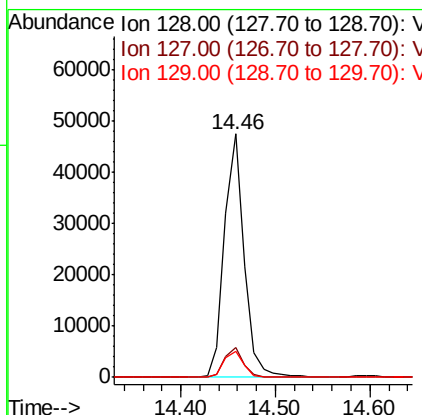
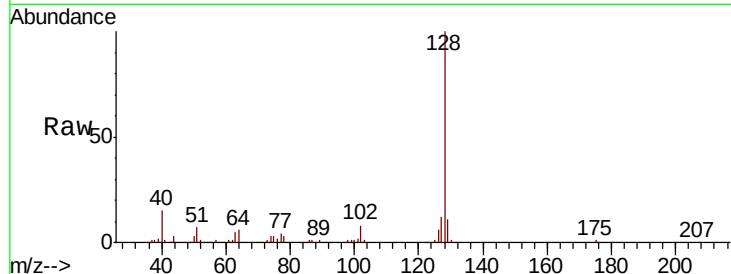
#95
Naphthalene
Concen: 9.749 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.3	13.9
129	10.8	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
3/22/2019 6:18:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 10.100 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.9	146.8
145	32.3	16.7	50.1

