

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060533.D
 Acq On : 29 Oct 2018 17:24
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 10/30/2018 2:07:18 PM

Quant Time: Oct 30 04:45:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	311097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	486109	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	434350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	256282	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	88615	14.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	29.74%	
35) Dibromofluoromethane	4.31	113	96944	17.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	34.46%	
50) Toluene-d8	7.72	98	242306	20.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.34%	
62) 4-Bromofluorobenzene	11.52	95	110183	17.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	34.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	154453	19.259	ug/l	100
3) Chloromethane	1.15	50	81234	21.031	ug/l	100
4) Vinyl Chloride	1.18	62	80770	18.469	ug/l	89
5) Bromomethane	1.36	94	59344	13.842	ug/l	83
6) Chloroethane	1.43	64	38516	14.548	ug/l	93
7) Trichlorofluoromethane	1.55	101	187793	13.933	ug/l	100
8) Diethyl Ether	1.71	74	20113	15.354	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.90	101	91191	15.669	ug/l	95
10) Methyl Iodide	1.98	142	137817m	16.530	ug/l	
11) Tert butyl alcohol	2.69	59	18952	60.671	ug/l	98
12) 1,1-Dichloroethene	1.87	96	72454	17.125	ug/l	100
13) Acrolein	2.09	56	18503	71.548	ug/l	91
14) Allyl chloride	2.20	41	111502	16.422	ug/l	85
15) Acrylonitrile	3.09	53	47503	95.340	ug/l	93
16) Acetone	2.35	43	105239	75.429	ug/l	100
17) Carbon Disulfide	1.89	76	207655	17.546	ug/l #	88
18) Methyl Acetate	2.46	43	19307m	9.843	ug/l	
19) Methyl tert-butyl Ether	2.55	73	152812	14.521	ug/l	99
20) Methylene Chloride	2.29	84	69735m	16.329	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	72200	17.577	ug/l	93
22) Diisopropyl ether	2.93	45	204474	16.869	ug/l	98
23) Vinyl Acetate	3.34	43	382467	96.413	ug/l	99
24) 1,1-Dichloroethane	3.01	63	151943	16.676	ug/l	100
25) 2-Butanone	4.53	43	133966	119.658	ug/l	94
26) 2,2-Dichloropropane	3.77	77	95405	15.741	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	90664	22.209	ug/l	96
28) Bromochloromethane	3.90	49	49164	17.377	ug/l #	98
29) Tetrahydrofuran	4.26	42	39483	90.068	ug/l	98
30) Chloroform	4.05	83	188490	17.494	ug/l	99
31) Cyclohexane	3.88	56	110063	22.706	ug/l	96
32) 1,1,1-Trichloroethane	4.29	97	163792	16.739	ug/l	98
36) 1,1-Dichloropropene	4.47	75	132383	18.774	ug/l	95
37) Ethyl Acetate	4.30	43	36550	15.714	ug/l #	86
38) Carbon Tetrachloride	4.18	117	159095	15.498	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	134044	22.582	ug/l	95
40) Benzene	4.82	78	257547	21.476	ug/l	99
41) Methacrylonitrile	4.93	41	23288	19.450	ug/l #	93
42) 1,2-Dichloroethane	5.13	62	118075	16.136	ug/l	95
43) Isopropyl Acetate	7.12	43	46288	18.456	ug/l #	93
44) Trichloroethene	5.69	130	85880	20.893	ug/l	87
45) 1,2-Dichloropropane	6.42	63	65241	21.710	ug/l	99
46) Dibromomethane	6.26	93	49487	17.919	ug/l	94
47) Bromodichloromethane	6.57	83	125452	16.446	ug/l	99
48) Methyl methacrylate	6.89	41	35148	18.927	ug/l	88
49) 1,4-Dioxane	6.88	88	6903	422.034	ug/l #	63
51) 4-Methyl-2-Pentanone	8.42	43	182477	95.585	ug/l	90
52) Toluene	7.79	92	167047	21.156	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	102725	18.002	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	119351	19.977	ug/l	94
55) 1,1,2-Trichloroethane	8.66	97	50452	20.562	ug/l	88
56) Ethyl methacrylate	8.77	69	52727	19.668	ug/l #	90
57) 1,3-Dichloropropane	9.01	76	83383	19.199	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	28768	83.152	ug/l	100
59) 2-Hexanone	9.64	43	131479	92.468	ug/l	88
60) Dibromochloromethane	8.87	129	80328	17.627	ug/l	90
61) 1,2-Dibromoethane	9.15	107	55858	19.253	ug/l	90
64) Tetrachloroethene	8.32	164	77092	20.606	ug/l	96
65) Chlorobenzene	9.96	112	179400	19.466	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.09	131	86188	18.724	ug/l	94
67) Ethyl Benzene	10.05	91	362972	19.579	ug/l	100
68) m/p-Xylenes	10.28	106	242812	41.370	ug/l	100
69) o-Xylene	10.84	106	135212	20.332	ug/l	95
70) Styrene	10.91	104	201853	21.707	ug/l	95
71) Bromoform	10.89	173	41087	16.571	ug/l #	95
73) Isopropylbenzene	11.24	105	419867	20.631	ug/l	99
74) N-amyl acetate	11.48	43	76916	20.816	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	65741	21.771	ug/l	92
76) 1,2,3-Trichloropropane	11.89	75	52493	20.459	ug/l	96
77) Bromobenzene	11.60	156	91381	21.345	ug/l	87
78) n-propylbenzene	11.69	91	532280	22.429	ug/l	94
79) 2-Chlorotoluene	11.82	91	314428	21.868	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	386180	21.679	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	24234m	22.488	ug/l	
82) 4-Chlorotoluene	12.00	91	308615	20.274	ug/l	99
83) tert-Butylbenzene	12.23	119	364798	20.548	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	381586	21.639	ug/l	97
85) sec-Butylbenzene	12.39	105	517728	21.492	ug/l	98
86) p-Isopropyltoluene	12.55	119	422387	20.734	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	192620	22.230	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	169370	20.301	ug/l	94
89) n-Butylbenzene	12.92	91	462128	21.294	ug/l	96
90) Hexachloroethane	13.00	117	104936	19.689	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	173955	20.943	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.72	75	12578	17.148	ug/l	90

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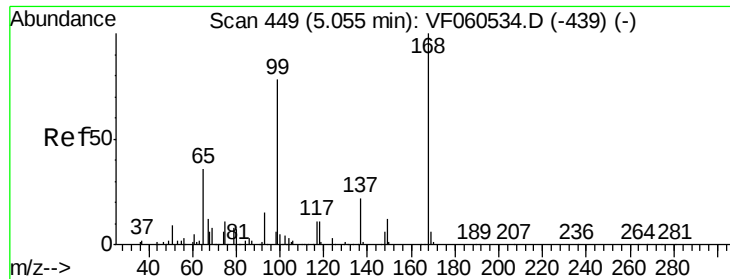
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	132445	19.923	ug/l	95
94) Hexachlorobutadiene	14.27	225	96580	19.715	ug/l	96
95) Naphthalene	14.53	128	218697	20.462	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	127494	20.819	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 449

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 311097

Ion Ratio Lower Upper

168 100

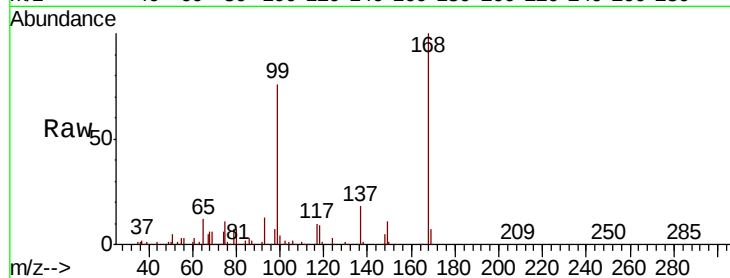
99 76.5 62.6 93.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

100000

80000

60000

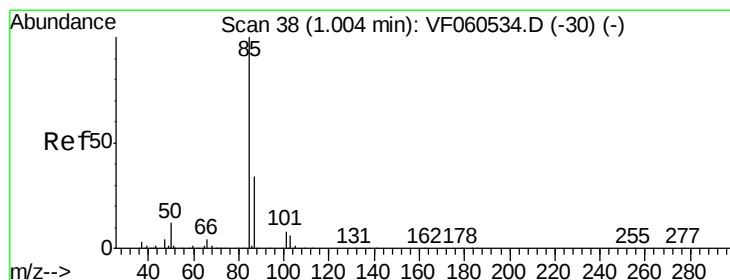
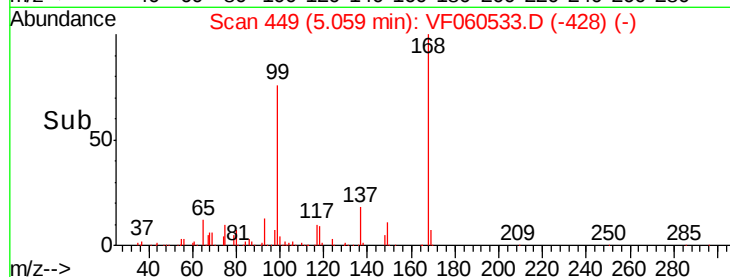
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 19.259 ug/l

RT: 1.00 min Scan# 37

Delta R.T. -0.01 min

Lab File: VF060533.D

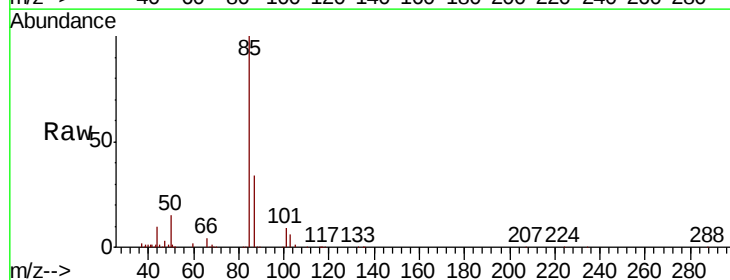
Acq: 29 Oct 2018 17:24

Tgt Ion: 85 Resp: 154453

Ion Ratio Lower Upper

85 100

87 33.7 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

50000

40000

30000

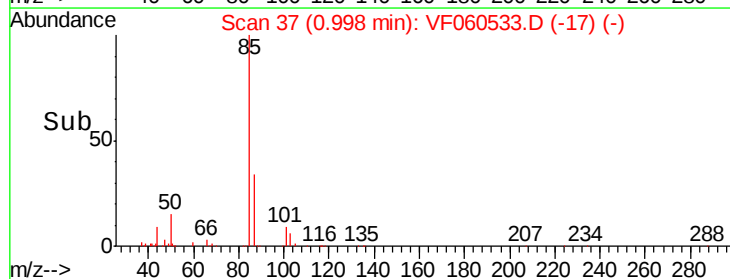
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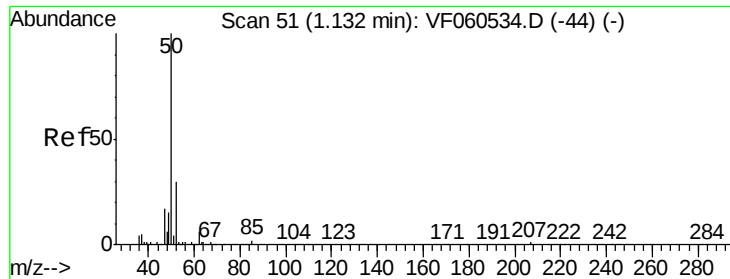
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 21.031 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 81234

Ion Ratio Lower Upper

50 100

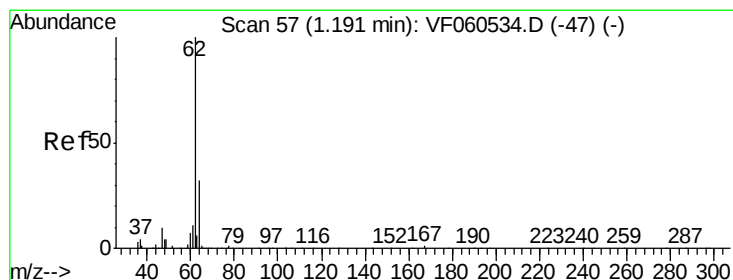
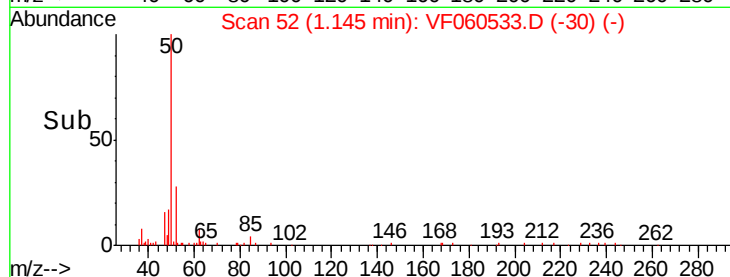
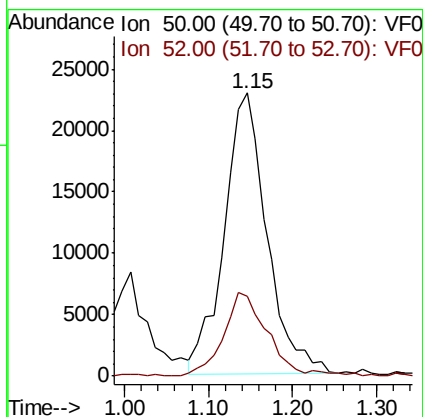
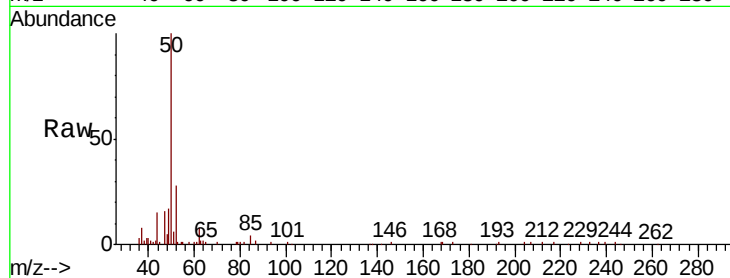
52 28.4 22.8 34.2

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#4

Vinyl Chloride

Concen: 18.469 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF060533.D

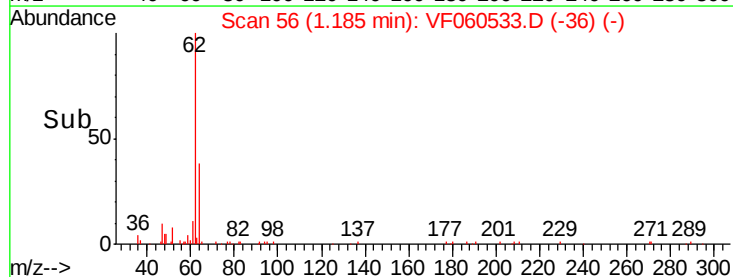
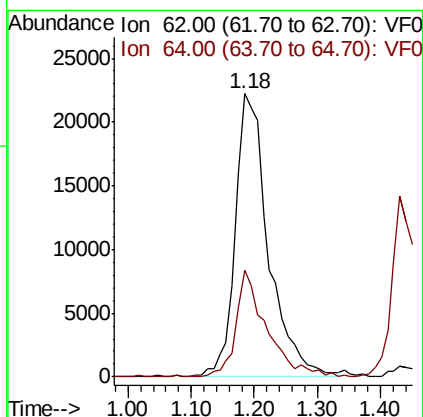
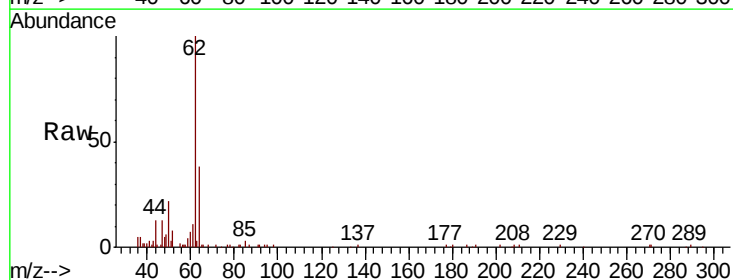
Acq: 29 Oct 2018 17:24

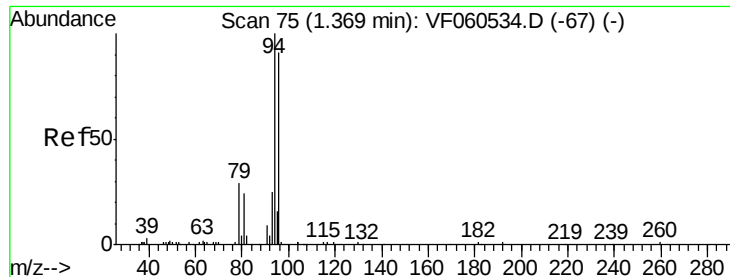
Tgt Ion: 62 Resp: 80770

Ion Ratio Lower Upper

62 100

64 37.8 25.3 37.9





#5

Bromomethane

Concen: 13.842 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

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MSVOA_F

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Tot Ion: 94 Resp: 59344

Ion Ratio Lower Upper

94 100

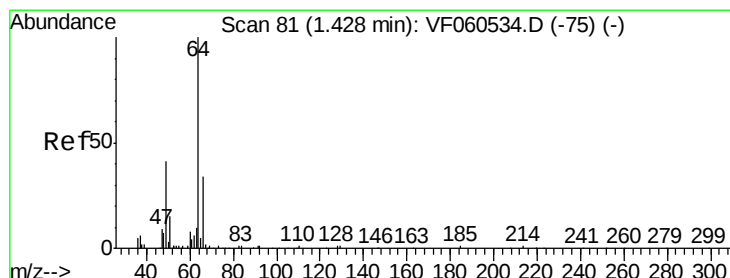
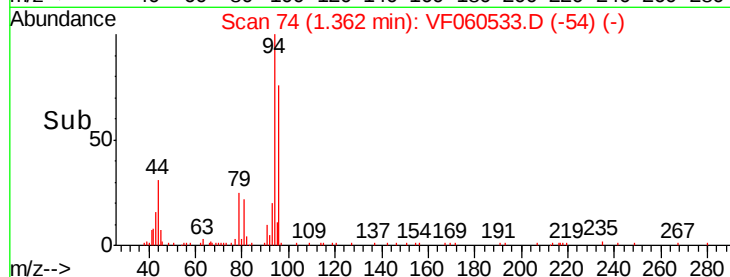
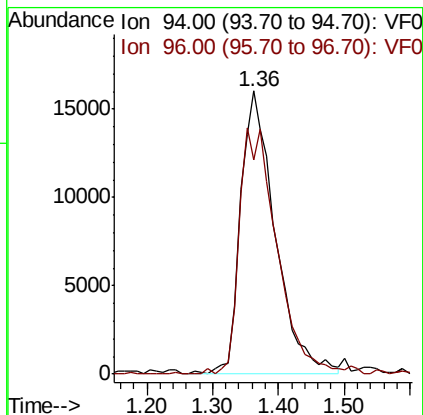
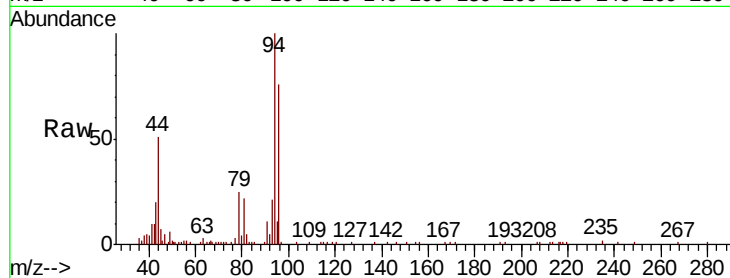
96 75.6 73.2 109.8

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#6

Chloroethane

Concen: 14.548 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060533.D

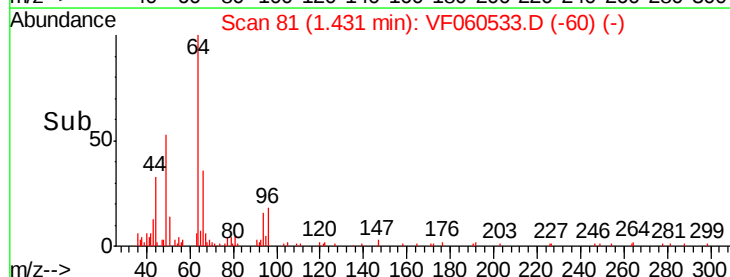
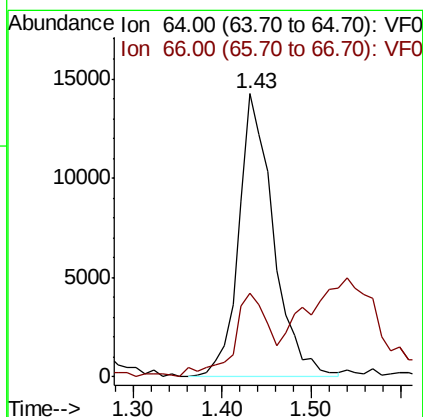
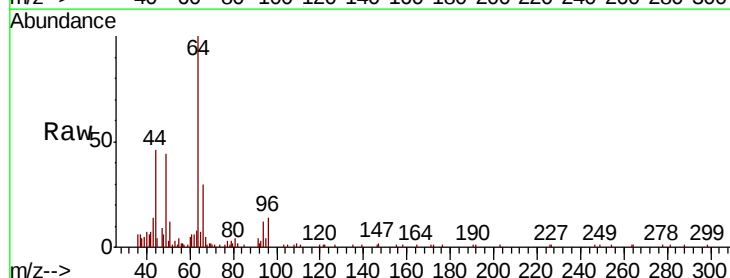
Acq: 29 Oct 2018 17:24

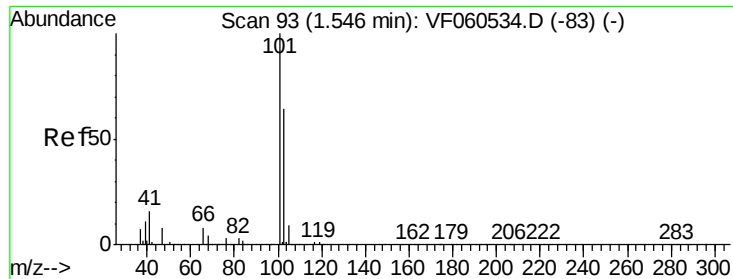
Tgt Ion: 64 Resp: 38516

Ion Ratio Lower Upper

64 100

66 29.7 27.1 40.7





#7

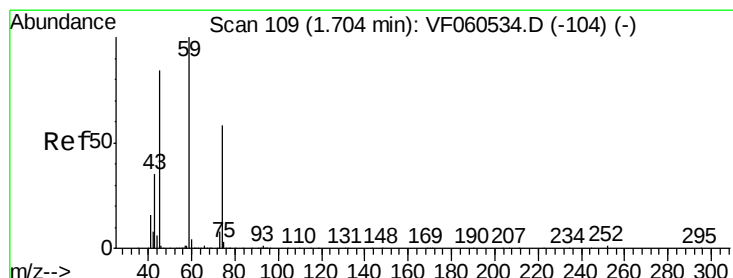
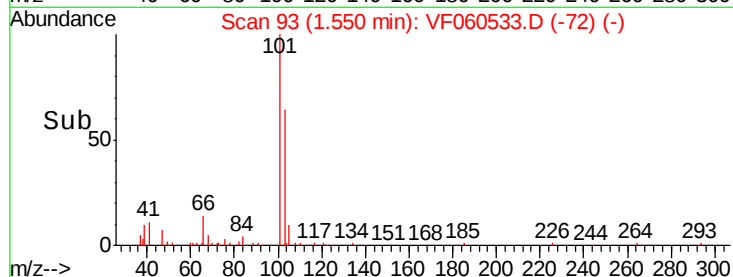
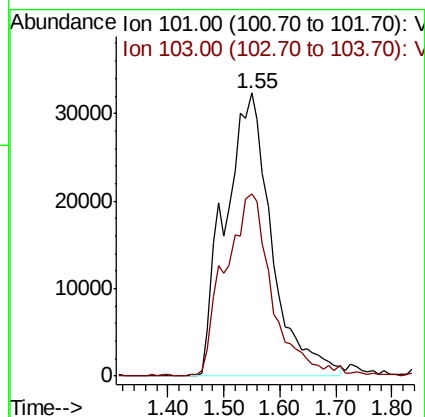
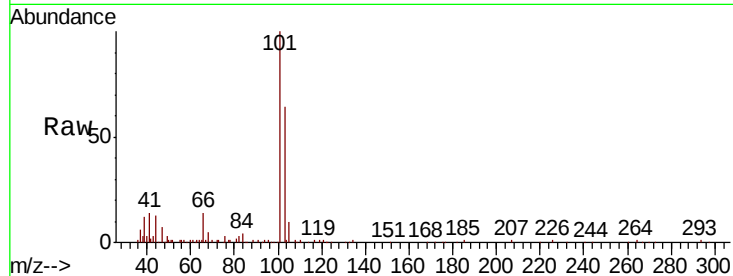
Trichlorofluoromethane
 Concen: 13.933 ug/l
 RT: 1.55 min Scan# 93
 Delta R.T. 0.00 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

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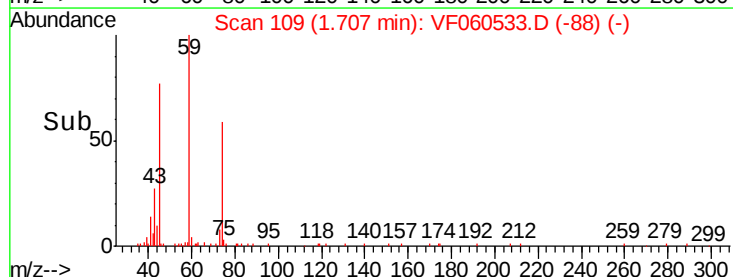
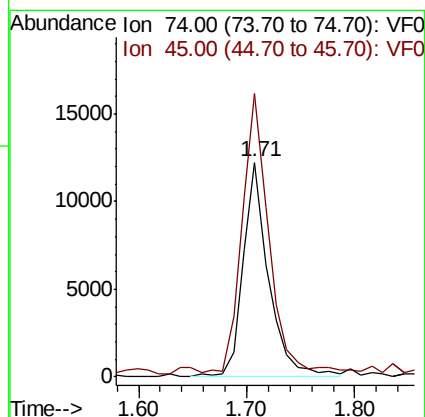
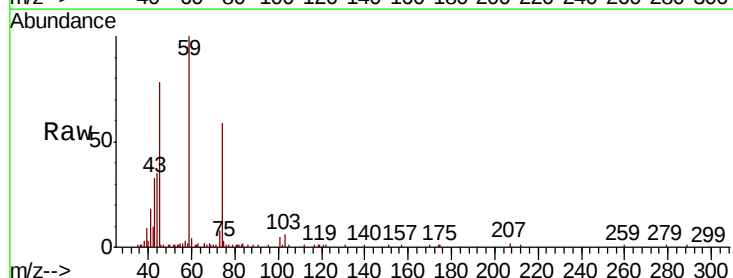
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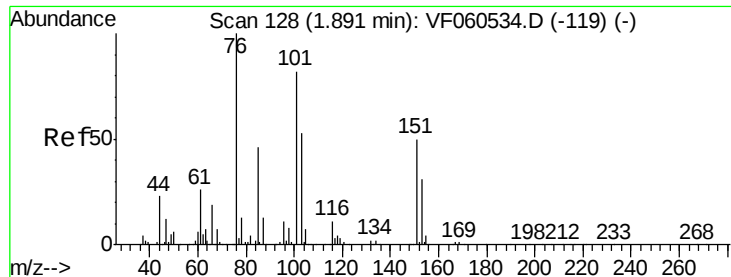


#8

Diethyl Ether
 Concen: 15.354 ug/l
 RT: 1.71 min Scan# 109
 Delta R.T. 0.00 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.0	72.9	218.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.669 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

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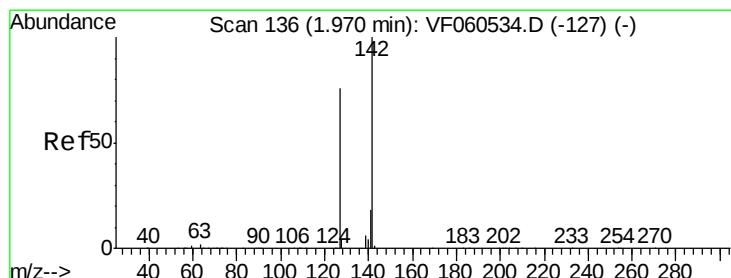
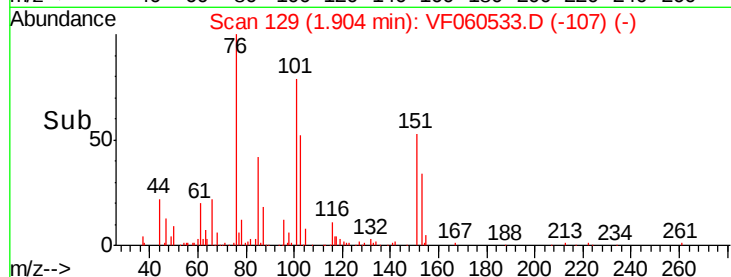
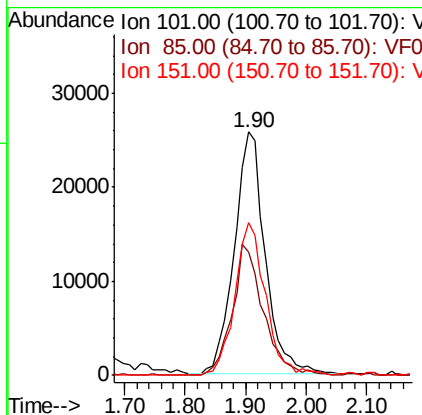
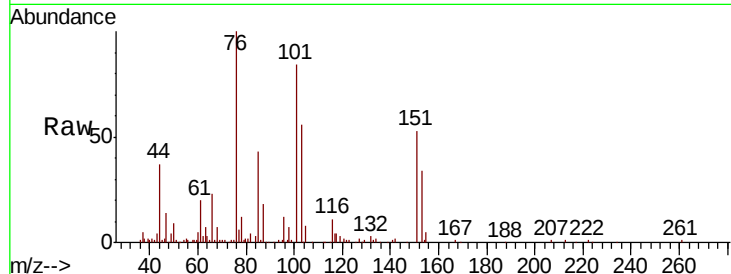
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	91191
Ion Ratio	Lower	Upper	
101	100		
85	50.7	44.6	67.0
151	62.5	48.4	72.6

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#10

Methyl Iodide

Concen: 16.530 ug/l m

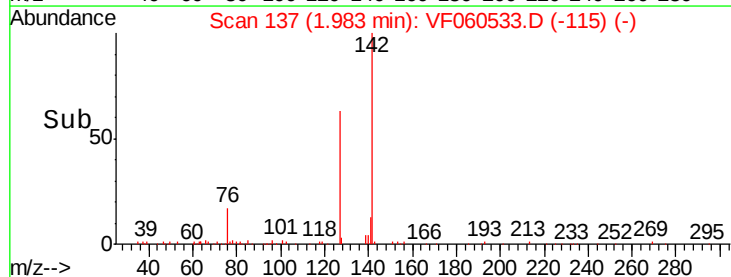
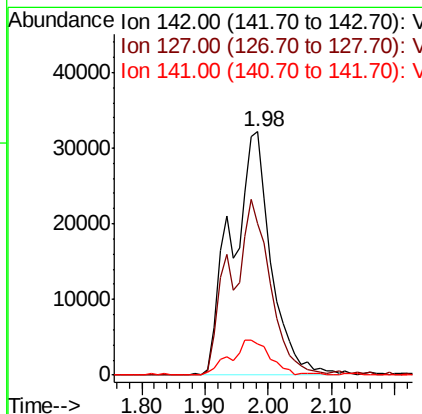
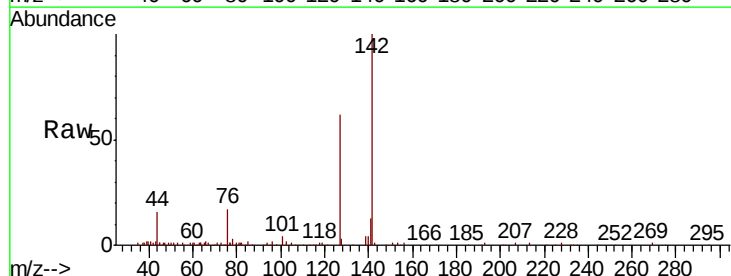
RT: 1.98 min Scan# 137

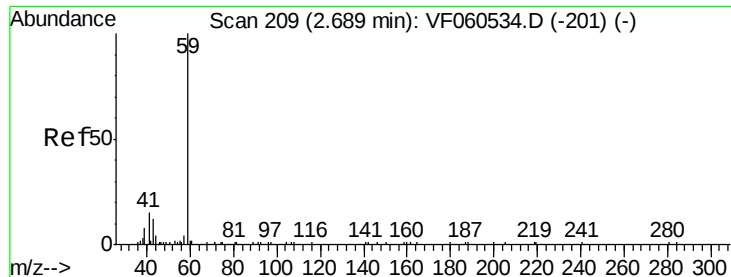
Delta R.T. 0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Tgt Ion:	142	Resp:	137817
Ion Ratio	Lower	Upper	
142	100		
127	62.4	61.2	91.8
141	12.9	14.0	21.0#





#11

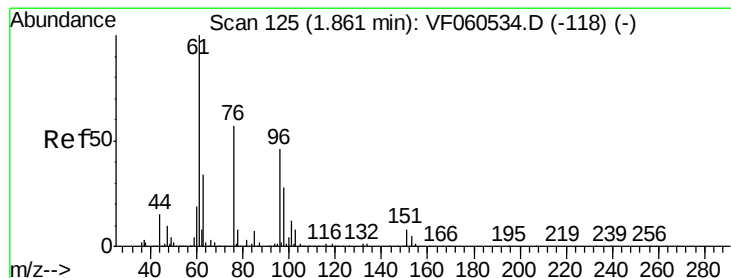
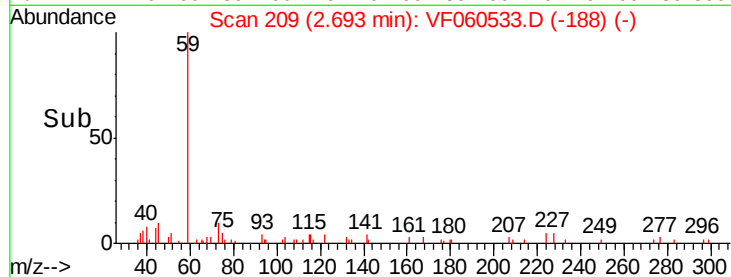
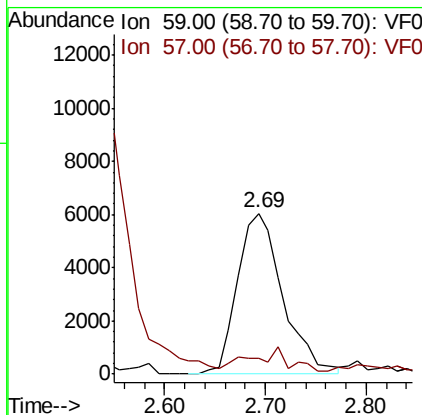
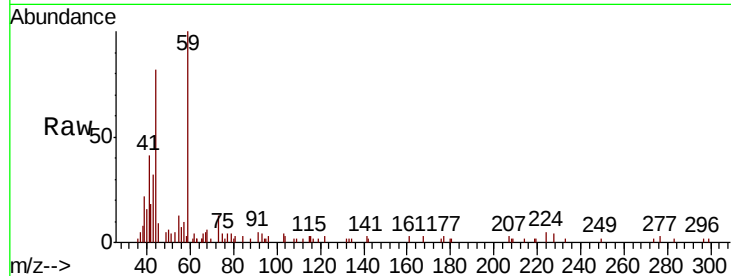
Tert butyl alcohol
 Concen: 60.671 ug/l
 RT: 2.69 min Scan# 209
 Delta R.T. 0.00 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	59	57	Ratio	100	10.2	Resp	18952	Lower	8.9	Upper	13.3
Ion	59	57	Ratio	100	10.2	Resp	18952	Lower	8.9	Upper	13.3

Manual Integrations
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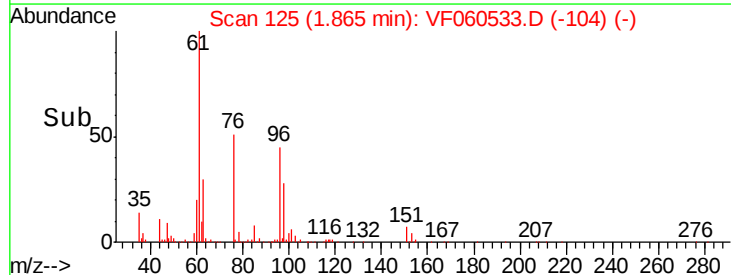
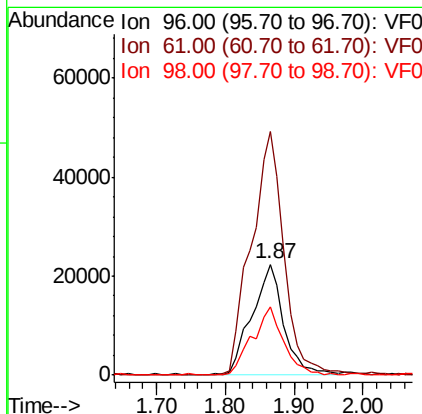
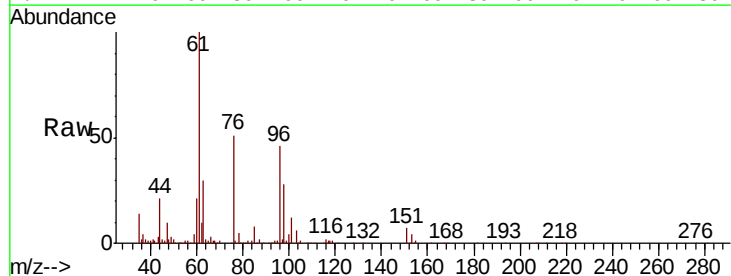
apatel
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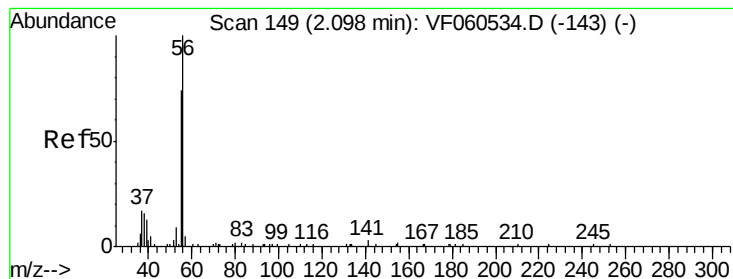


#12

1,1-Dichloroethene
 Concen: 17.125 ug/l
 RT: 1.87 min Scan# 125
 Delta R.T. 0.00 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Tgt Ion	96	61	98	Ratio	100	219.8	61.6	Resp	72454	Lower	175.4	48.9	Upper	263.2	73.3
Ion	96	61	98	Ratio	100	219.8	61.6	Resp	72454	Lower	175.4	48.9	Upper	263.2	73.3





#13

Acrolein

Concen: 71.548 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 18503

Ion Ratio Lower Upper

56 100

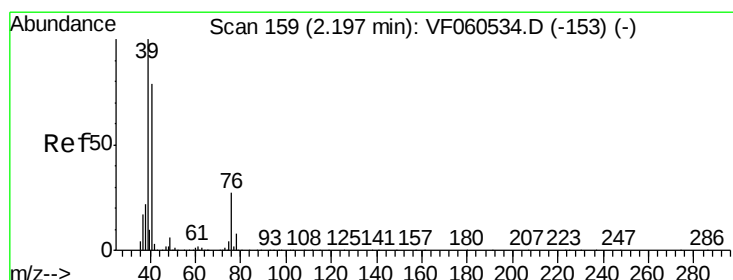
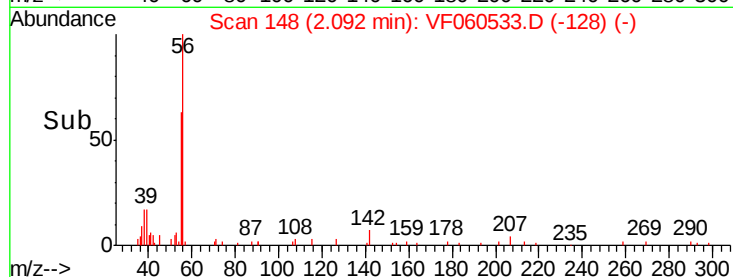
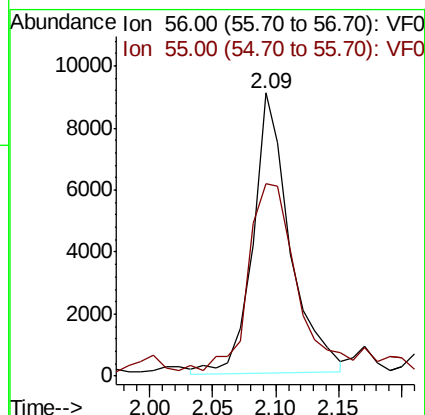
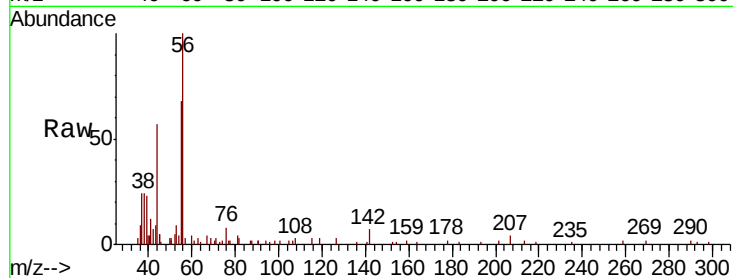
55 67.9 60.4 90.6

Manual Integrations

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#14

Allyl chloride

Concen: 16.422 ug/l

RT: 2.20 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

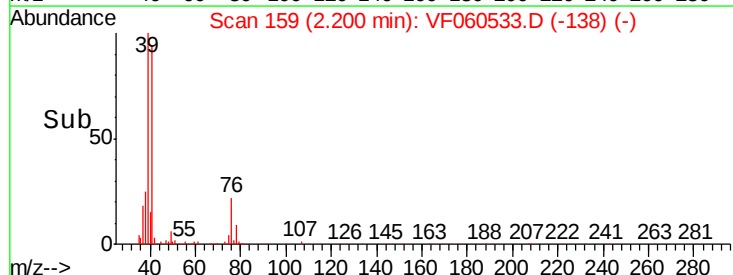
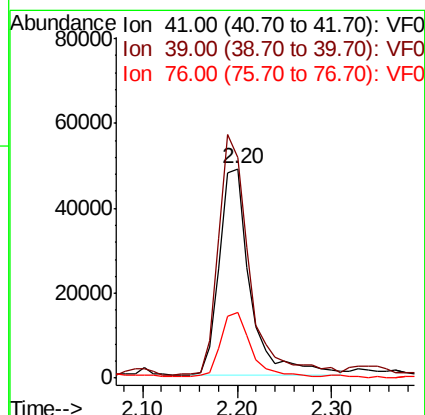
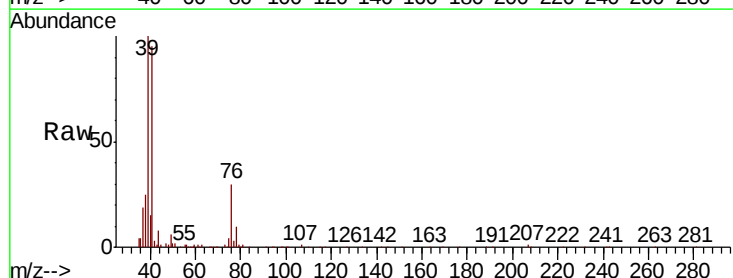
Tgt Ion: 41 Resp: 111502

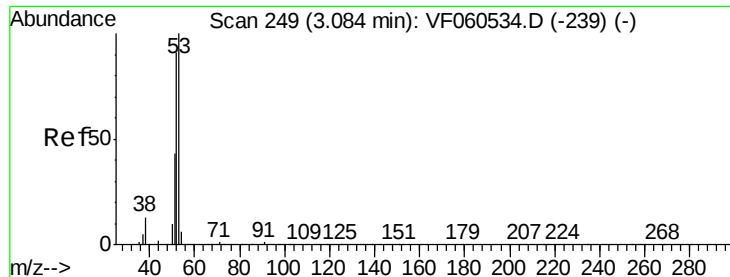
Ion Ratio Lower Upper

41 100

39 105.8 100.6 151.0

76 31.6 27.6 41.4





#15

Acrylonitrile

Concen: 95.340 ug/l

RT: 3.09 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

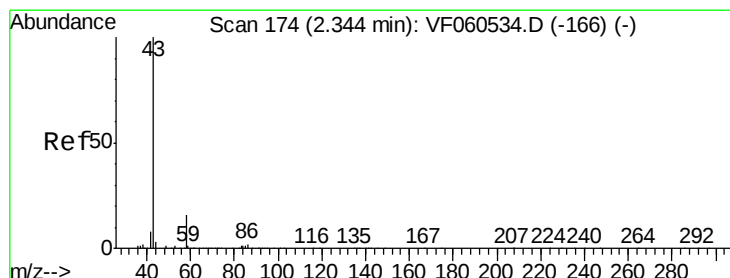
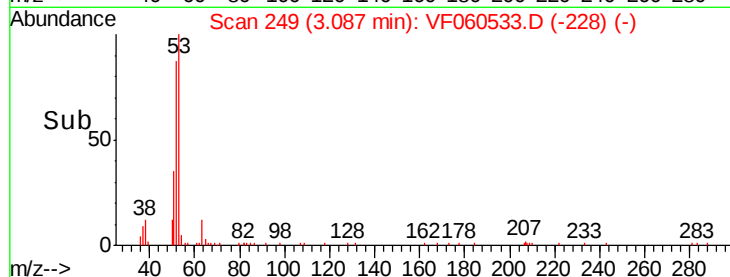
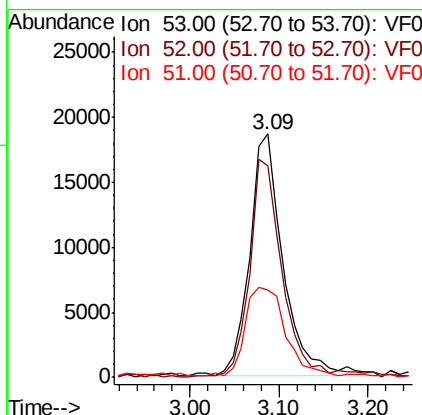
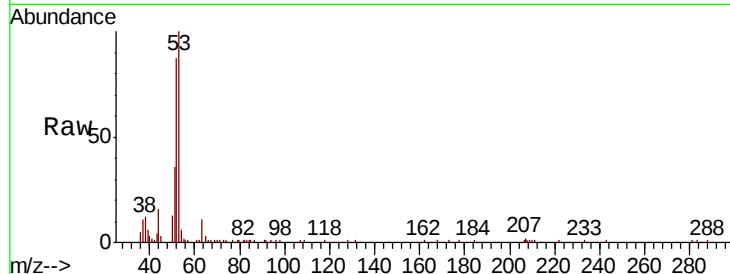
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	47503
Ion	Ratio	Lower	Upper
53	100		
52	87.0	73.2	109.8
51	35.7	35.0	52.4

Manual Integrations
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#16

Acetone

Concen: 75.429 ug/l

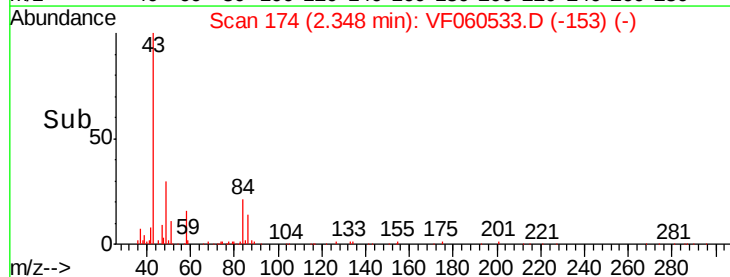
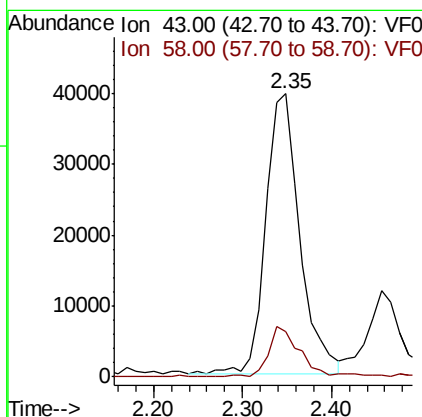
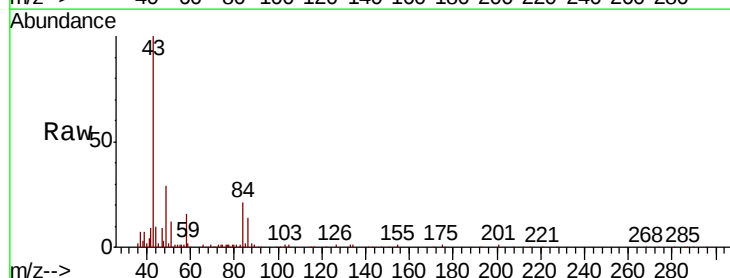
RT: 2.35 min Scan# 174

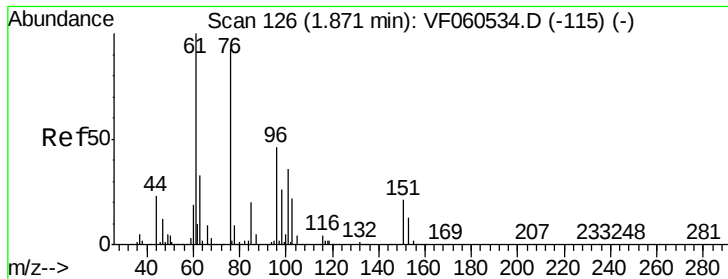
Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Tgt Ion:	43	Resp:	105239
Ion	Ratio	Lower	Upper
43	100		
58	15.9	12.8	19.2





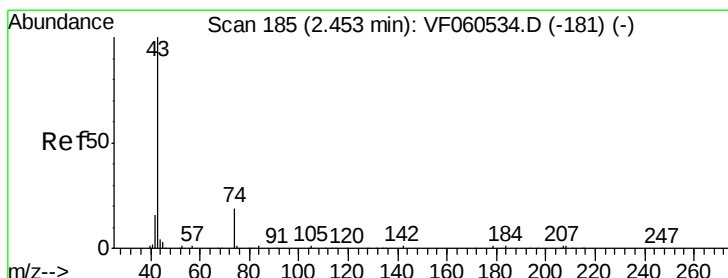
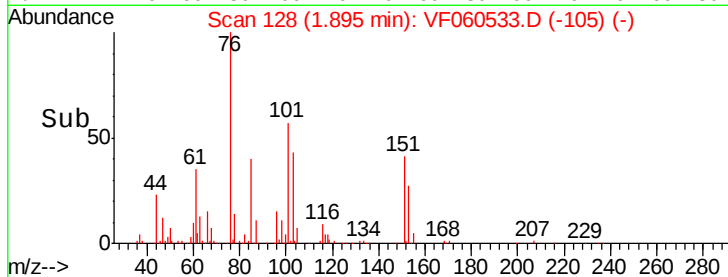
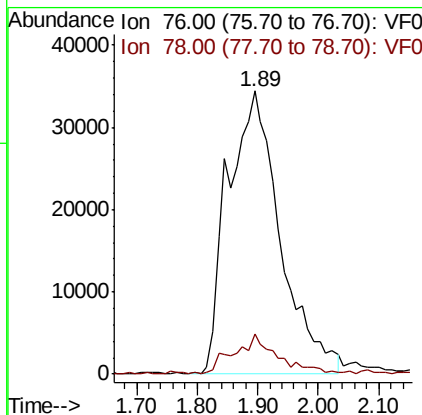
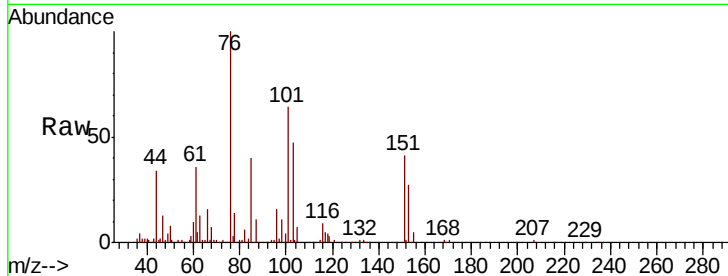
#17
Carbon Disulfide
Concen: 17.546 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.02 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	14.3	8.0	12.0#

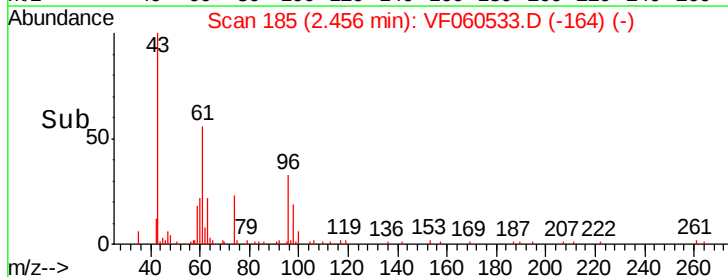
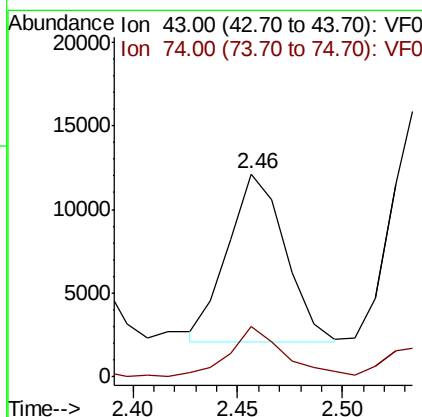
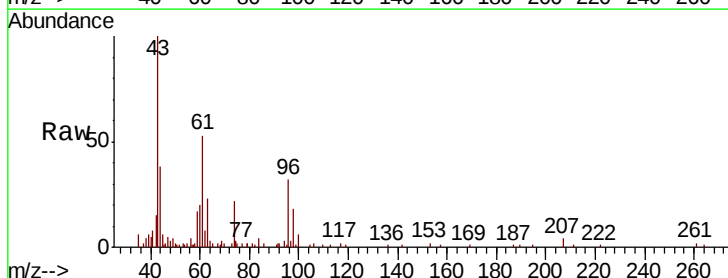
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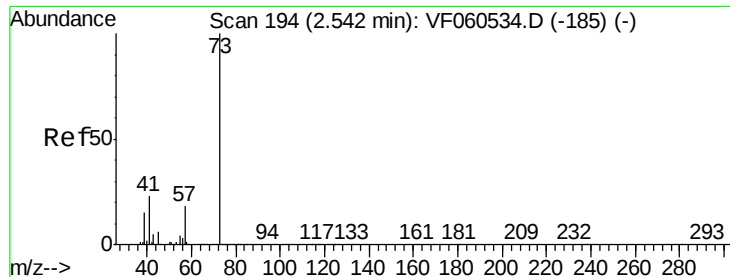
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#18
Methyl Acetate
Concen: 9.843 ug/l m
RT: 2.46 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	13.5	20.3#





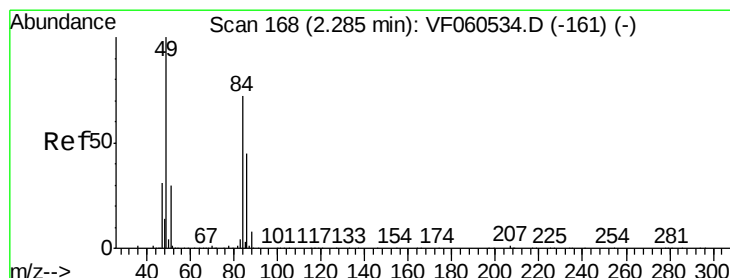
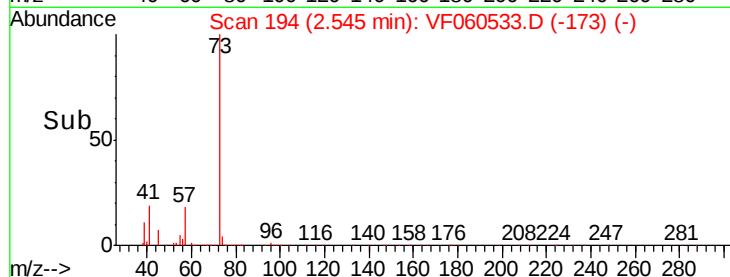
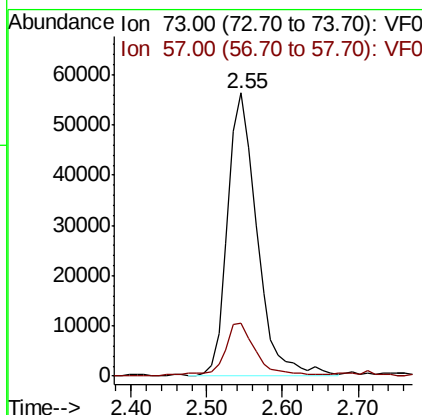
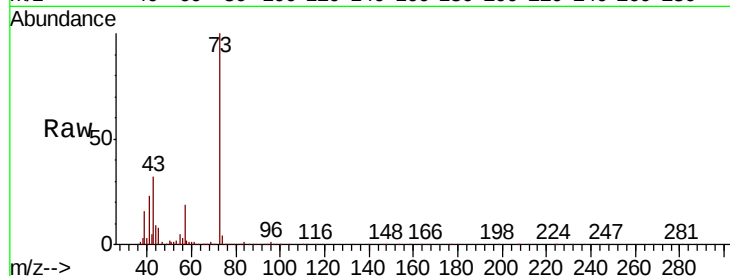
#19
Methyl tert-butyl Ether
Concen: 14.521 ug/l
RT: 2.55 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	14.7	22.1

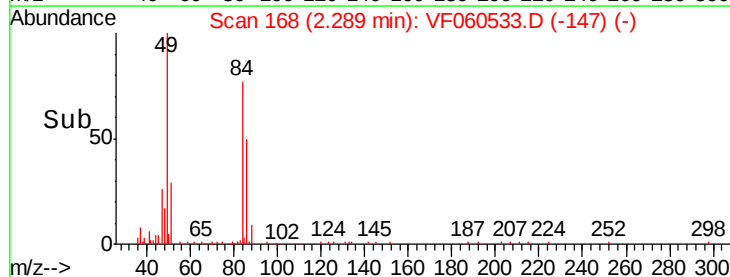
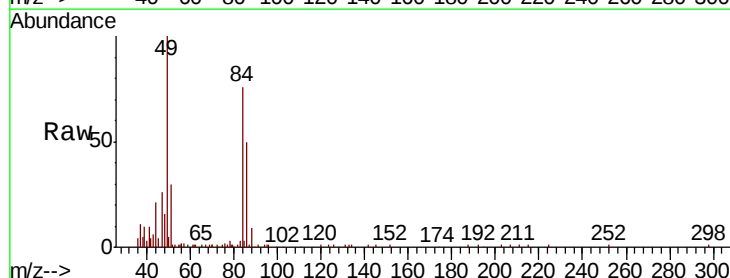
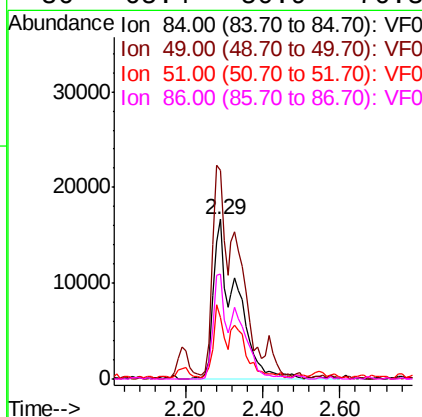
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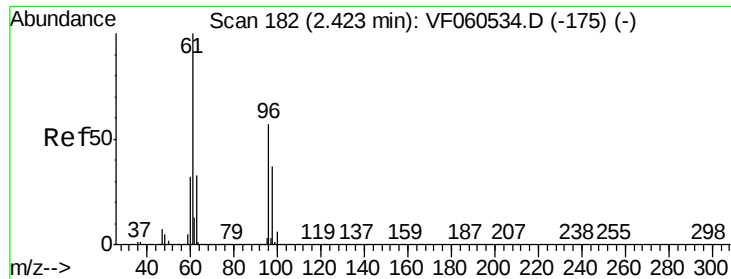
apatel
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#20
Methylene Chloride
Concen: 16.329 ug/l m
RT: 2.29 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.9	115.4	173.0
51	38.7	35.4	53.2
86	65.4	50.9	76.3





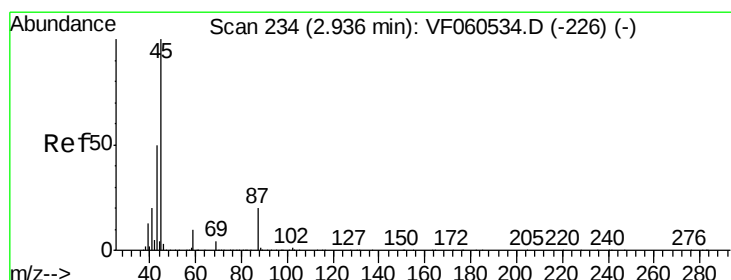
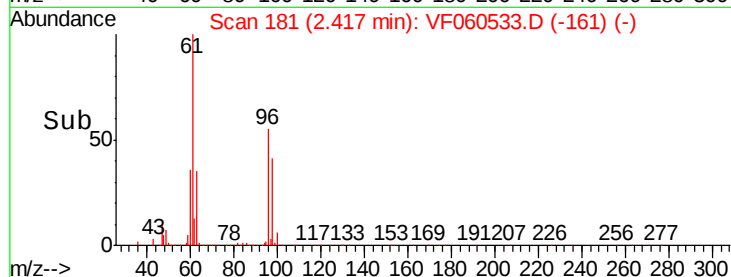
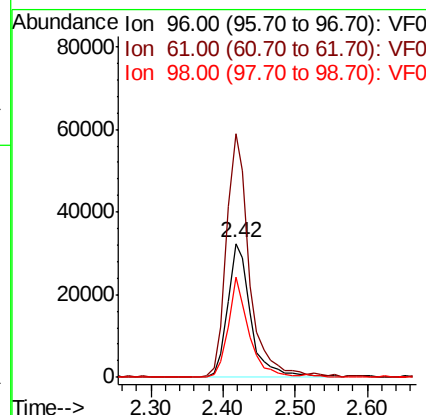
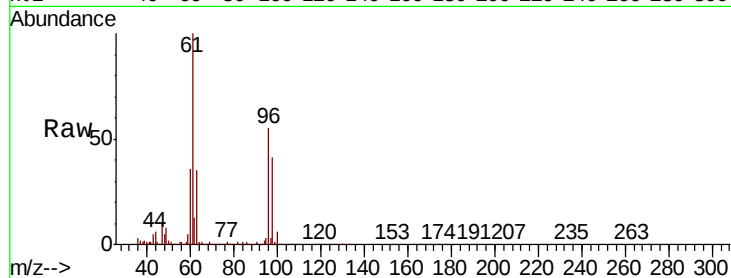
#21
trans-1,2-Dichloroethene
Concen: 17.577 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	181.9	139.8	209.6
98	74.5	52.2	78.4

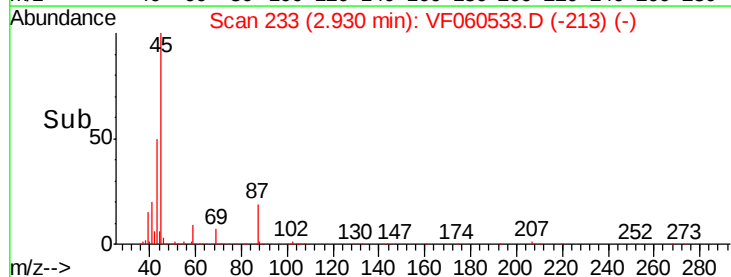
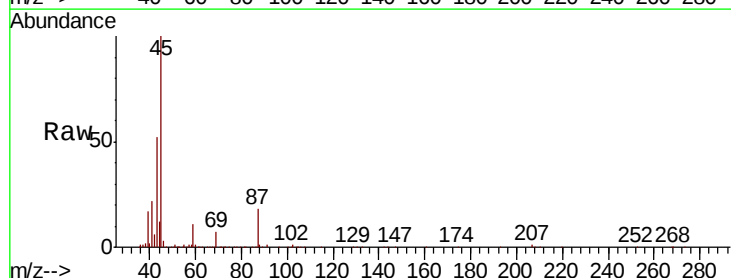
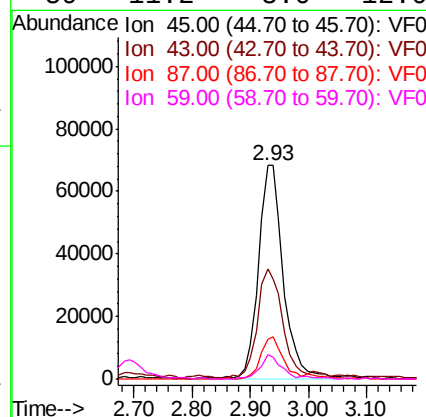
Manual Integrations
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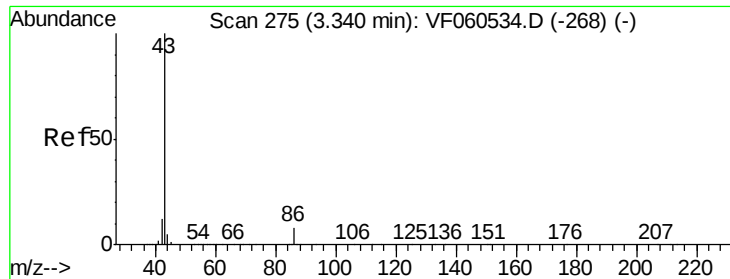
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#22
Diisopropyl ether
Concen: 16.869 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.01 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	51.6	40.6	60.8
87	18.5	15.9	23.9
59	11.2	8.0	12.0





#23

Vinyl Acetate

Concen: 96.413 ug/l

RT: 3.34 min Scan# 275

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 382467

Ion Ratio Lower Upper

43 100

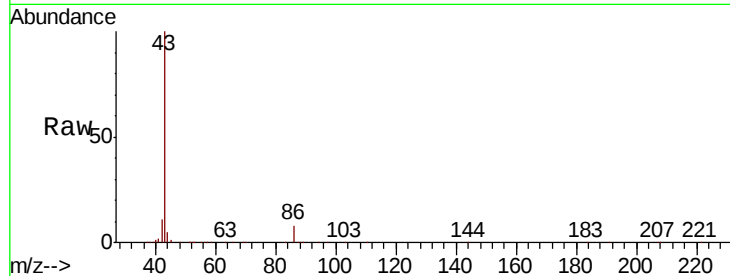
86 7.5 6.2 9.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

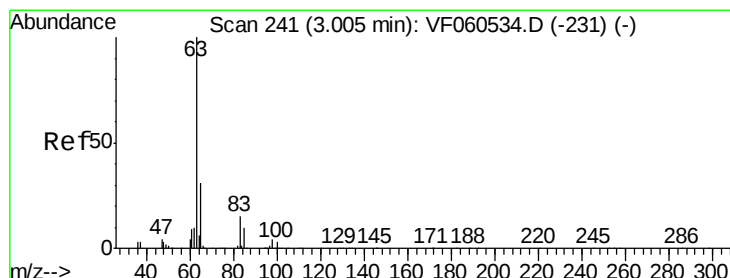
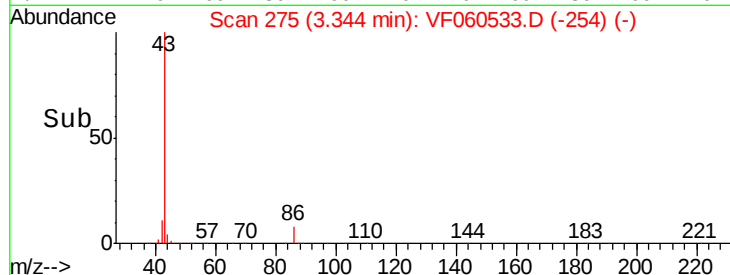
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 16.676 ug/l

RT: 3.01 min Scan# 241

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

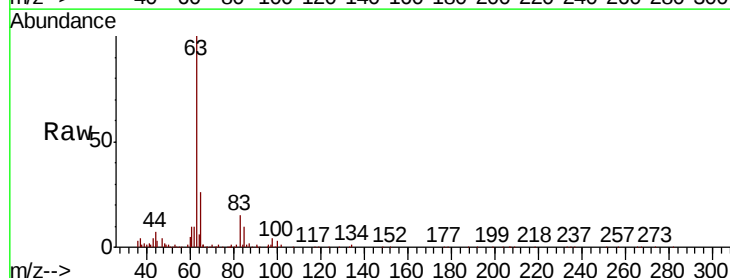
Tgt Ion: 63 Resp: 151943

Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

100 2.7 1.4 4.0



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

3.01

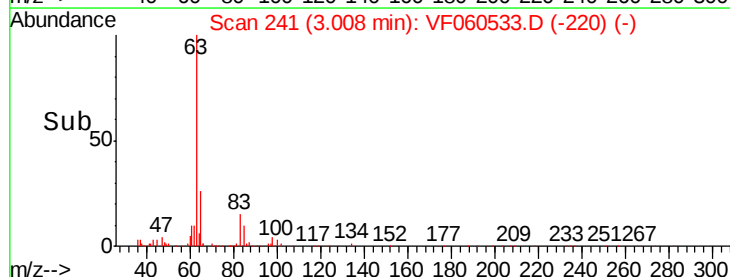
60000

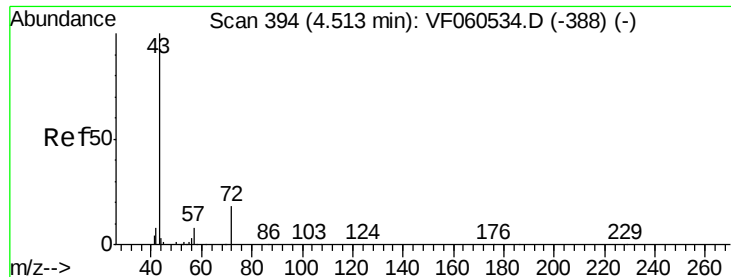
40000

20000

0

Time-->





#25

2-Butanone

Concen: 119.658 ug/l

RT: 4.53 min Scan# 395

Delta R.T. 0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 133966

Ion Ratio Lower Upper

43 100

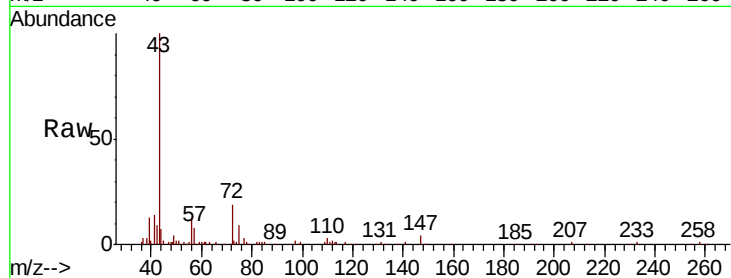
72 18.6 17.4 26.0

Manual Integrations

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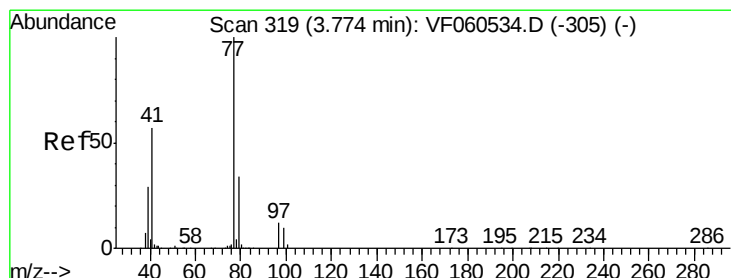
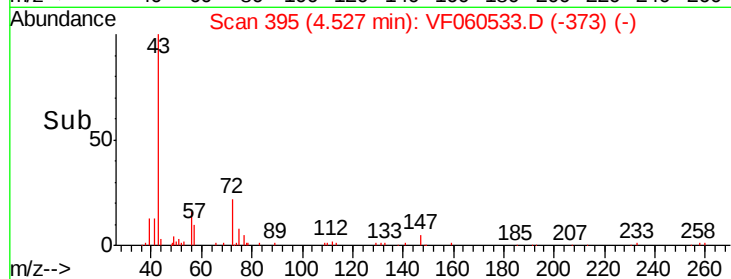
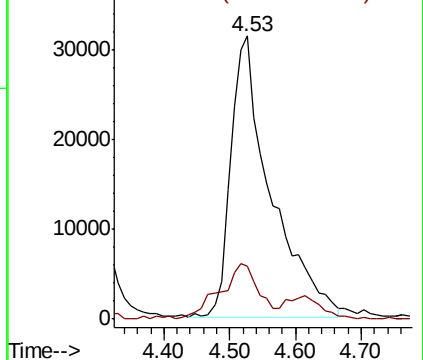
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 15.741 ug/l

RT: 3.77 min Scan# 318

Delta R.T. -0.01 min

Lab File: VF060533.D

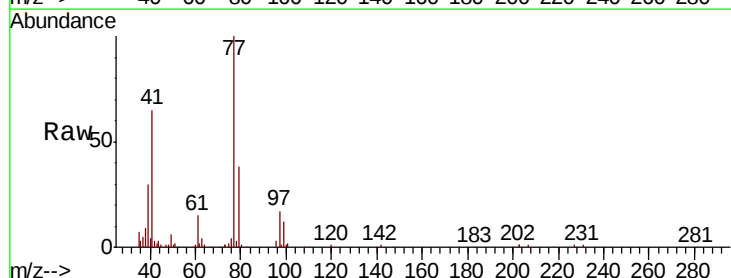
Acq: 29 Oct 2018 17:24

Tgt Ion: 77 Resp: 95405

Ion Ratio Lower Upper

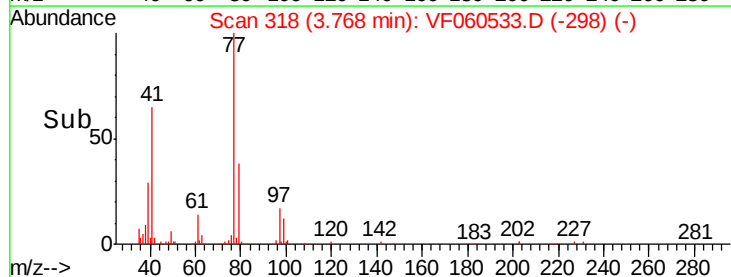
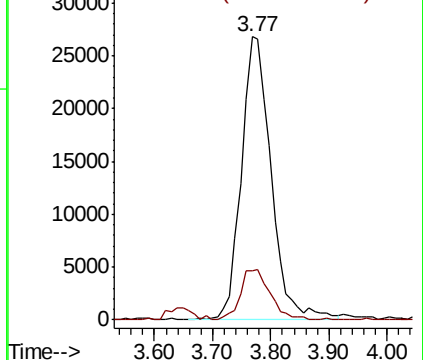
77 100

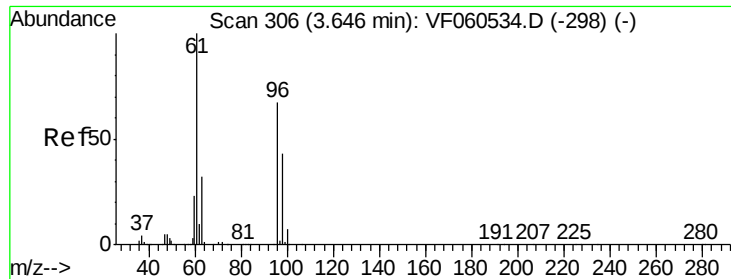
97 17.1 8.5 25.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

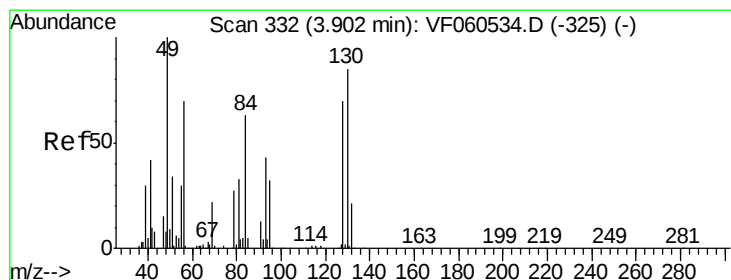
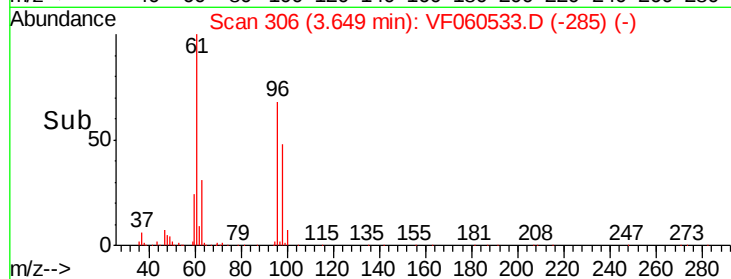
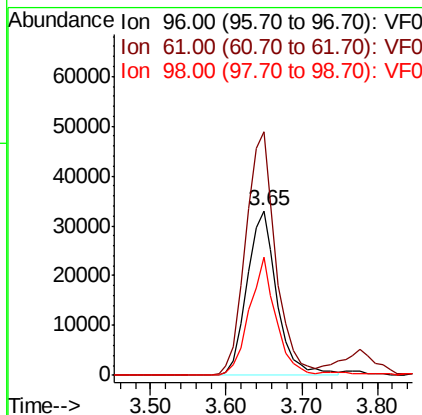
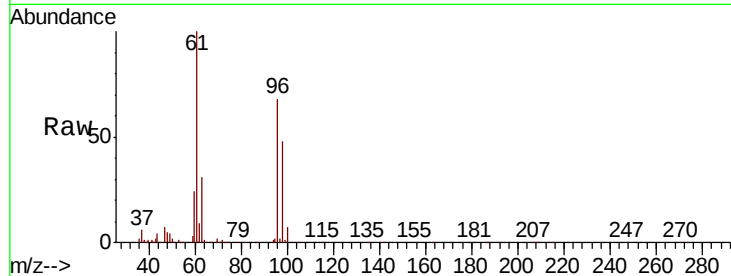
cis-1,2-Dichloroethene
 Concen: 22.209 ug/l
 RT: 3.65 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	300.8
98	71.5	0.0	128.4

Manual Integrations
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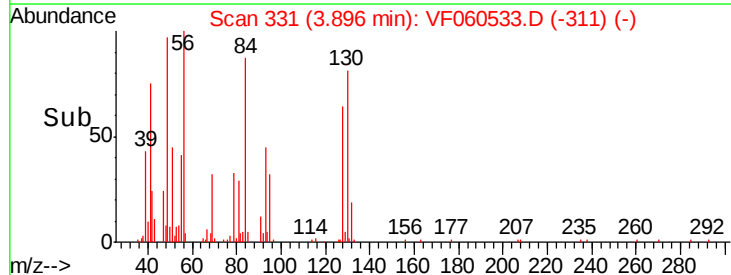
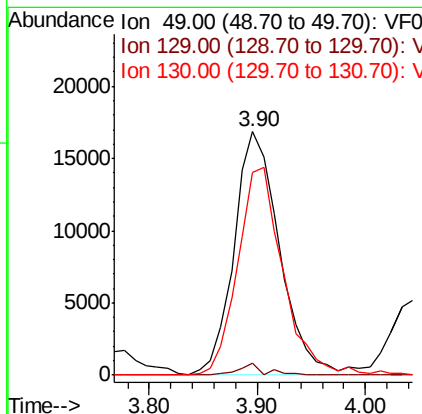
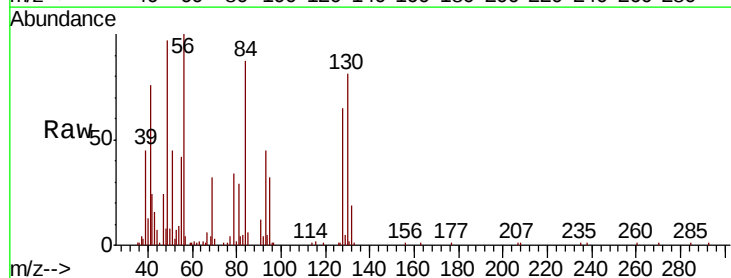
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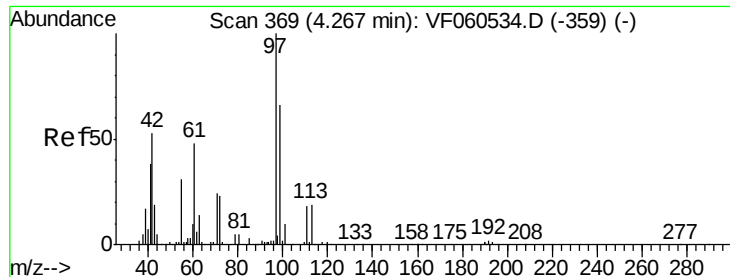


#28

Bromochloromethane
 Concen: 17.377 ug/l
 RT: 3.90 min Scan# 331
 Delta R.T. -0.01 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	5.0	0.0	4.8#
130	83.2	67.5	101.3





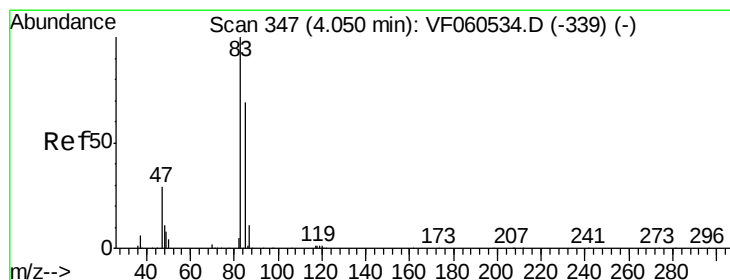
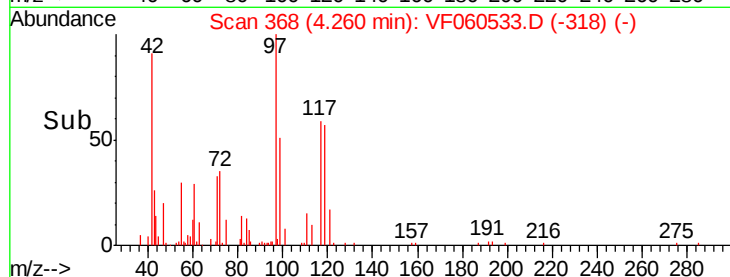
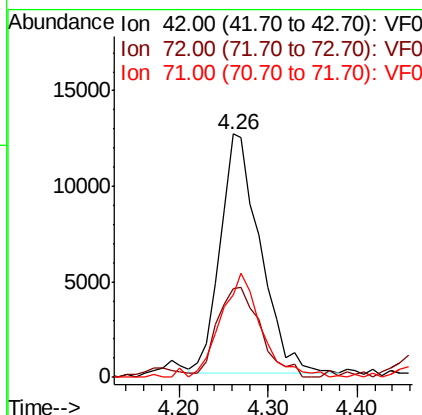
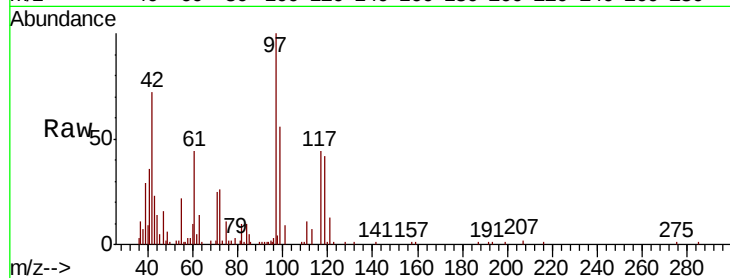
#29
Tetrahydrofuran
Concen: 90.068 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.5	48.7
71	44.6	34.5	51.7

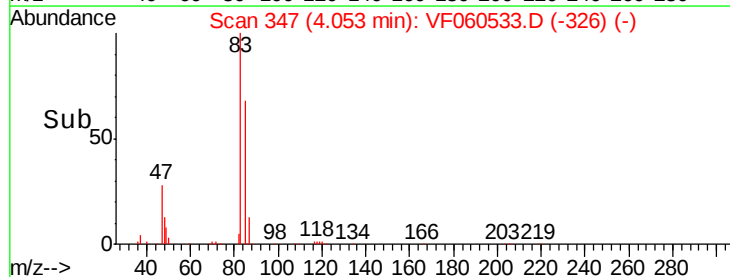
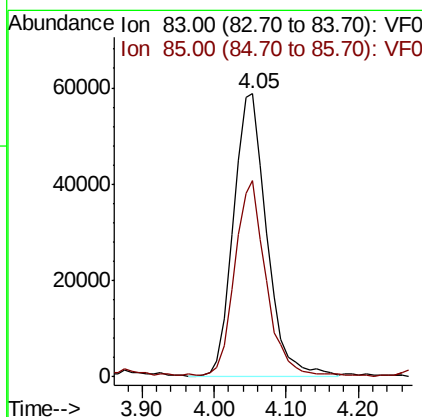
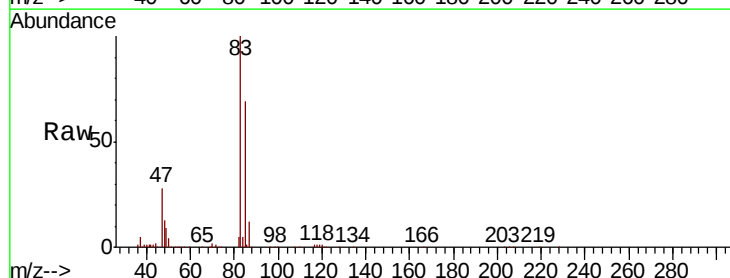
Manual Integrations
APPROVED

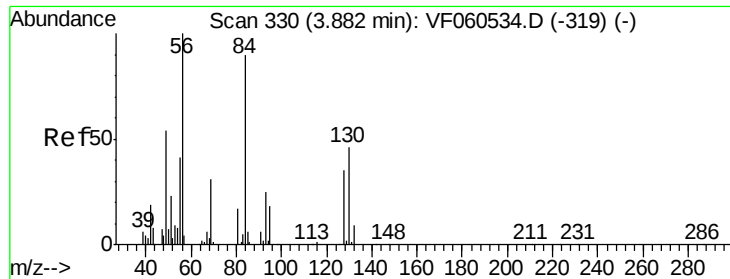
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#30
Chloroform
Concen: 17.494 ug/l
RT: 4.05 min Scan# 347
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.3	55.0	82.4





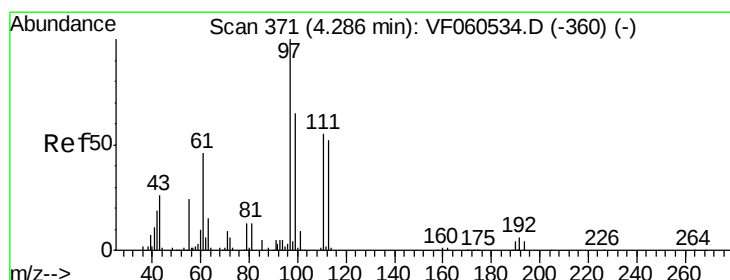
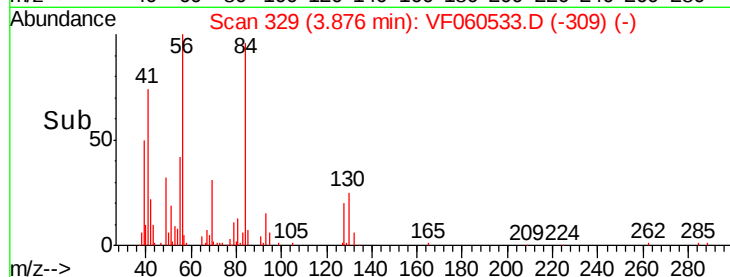
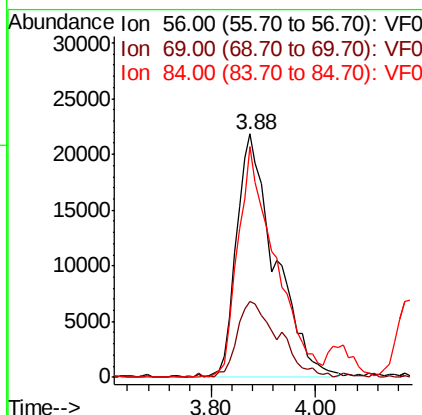
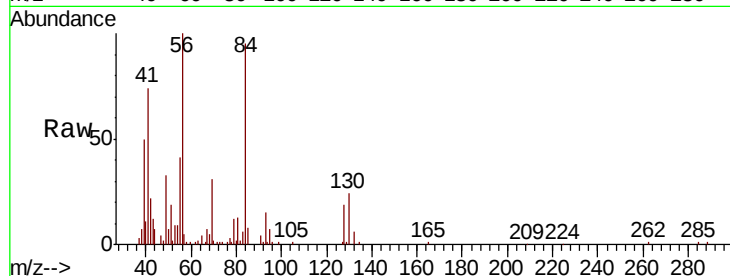
#31
Cyclohexane
Concen: 22.706 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.0	37.6
84	95.1	72.1	108.1

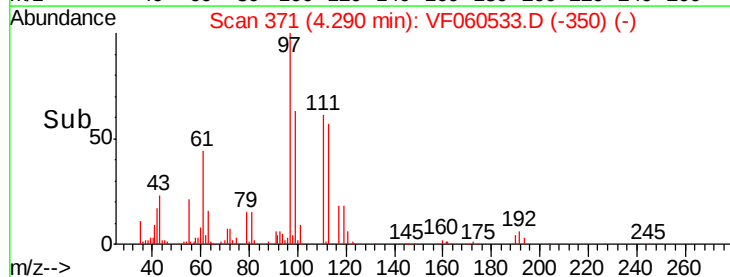
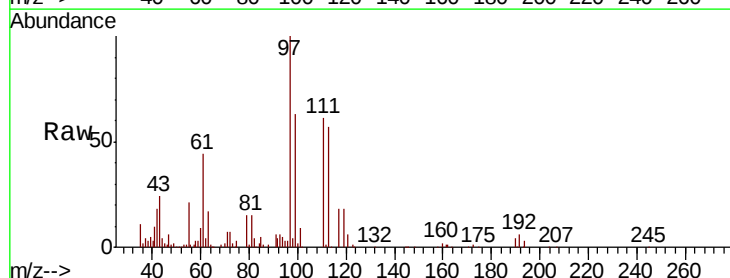
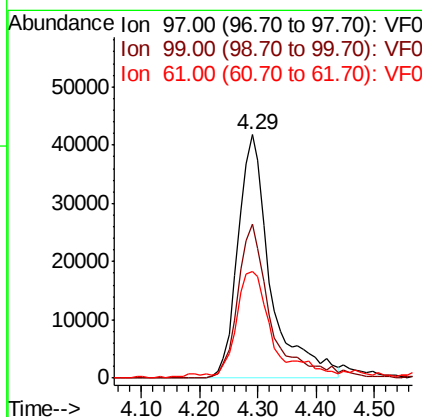
Manual Integrations
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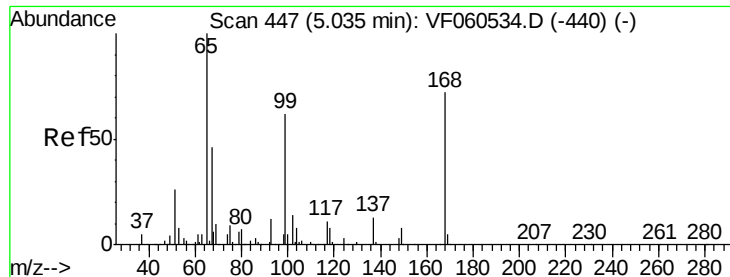
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#32
1,1,1-Trichloroethane
Concen: 16.739 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.7	77.5
61	43.8	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 14.875 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 88615

Ion Ratio Lower Upper

65 100

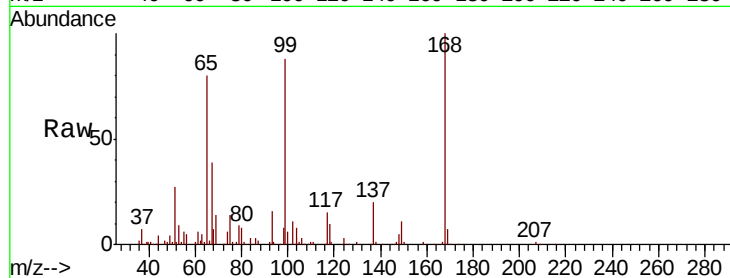
67 47.8 0.0 94.4

Manual Integrations

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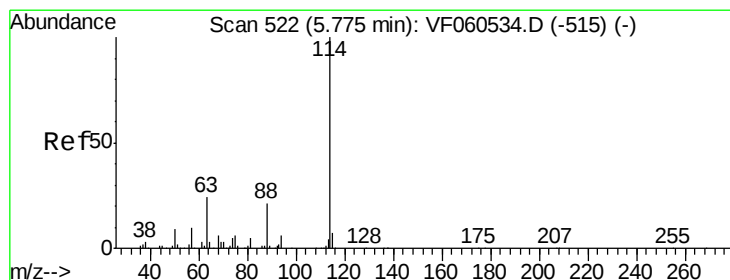
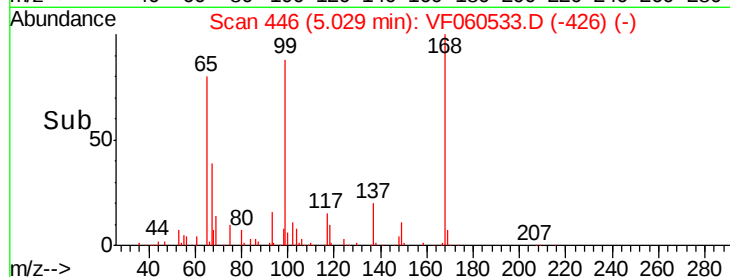
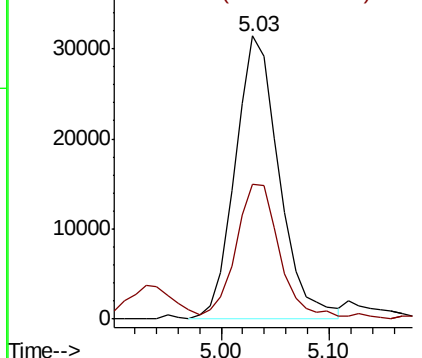
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 522

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

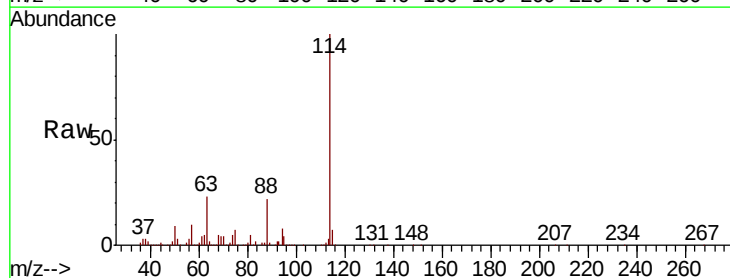
Tgt Ion: 114 Resp: 486109

Ion Ratio Lower Upper

114 100

63 22.7 0.0 48.0

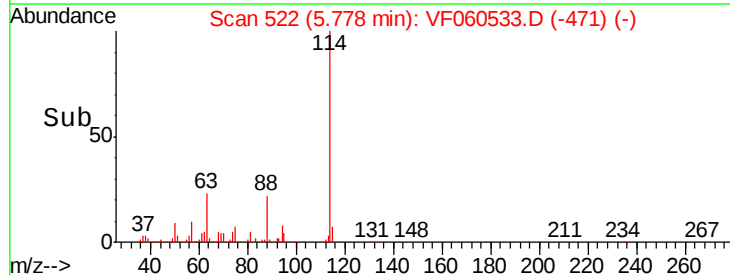
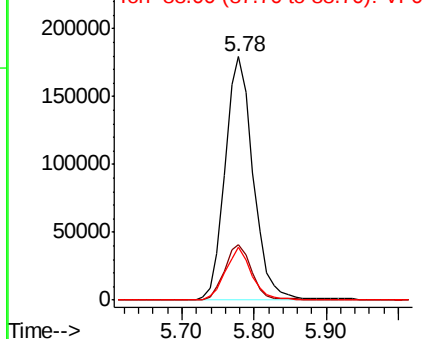
88 21.5 0.0 42.0

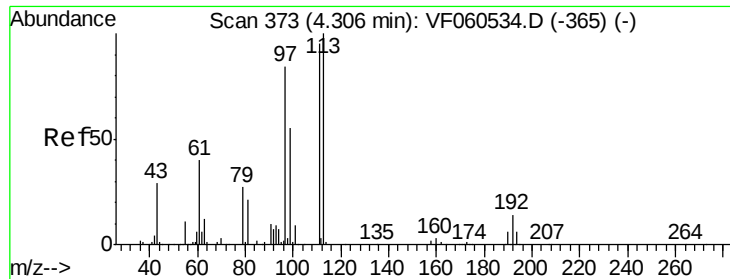


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 17.228 ug/l

RT: 4.31 min Scan# 373

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

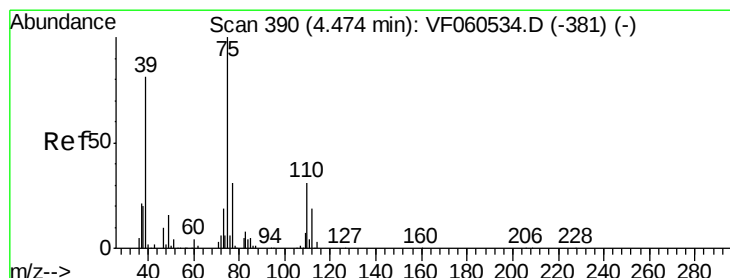
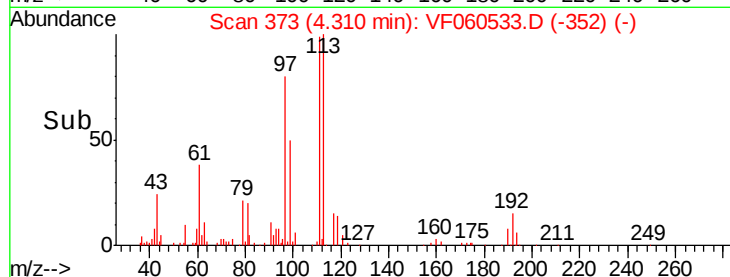
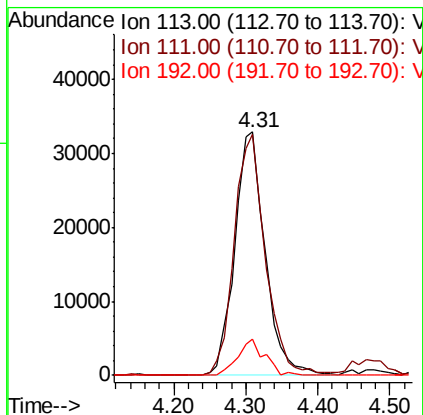
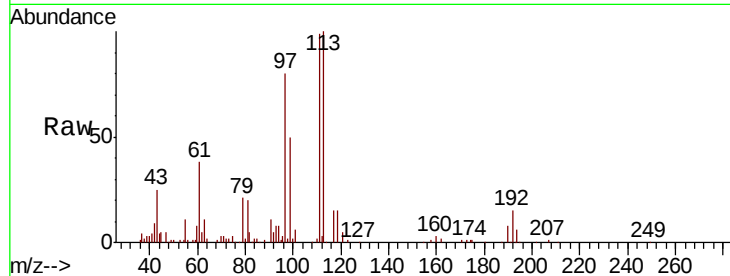
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	96944
Ion	Ratio	Lower	Upper
113	100		
111	98.9	75.9	113.9
192	14.6	11.2	16.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.774 ug/l

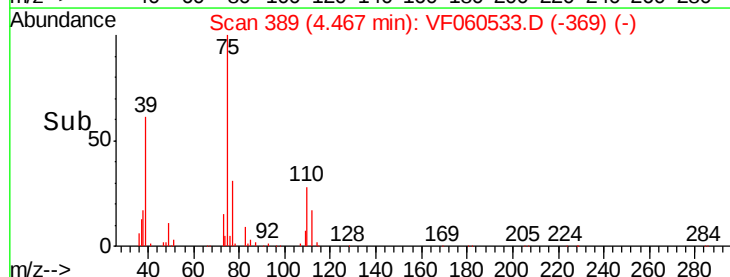
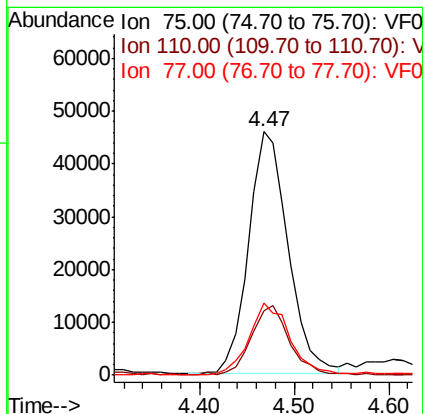
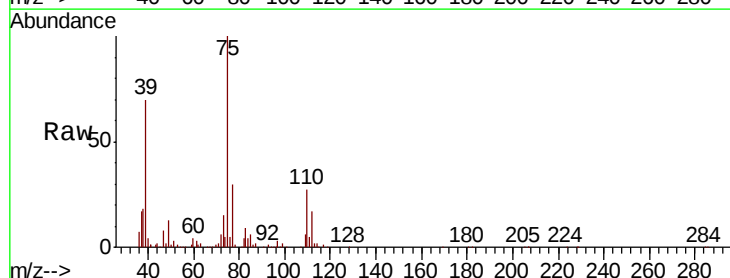
RT: 4.47 min Scan# 389

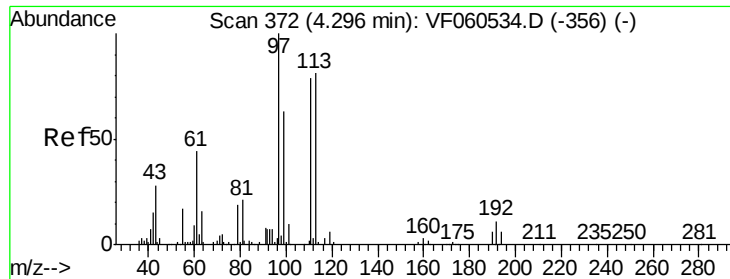
Delta R.T. -0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Tgt Ion:	75	Resp:	132383
Ion	Ratio	Lower	Upper
75	100		
110	26.6	15.3	45.8
77	29.7	24.8	37.2





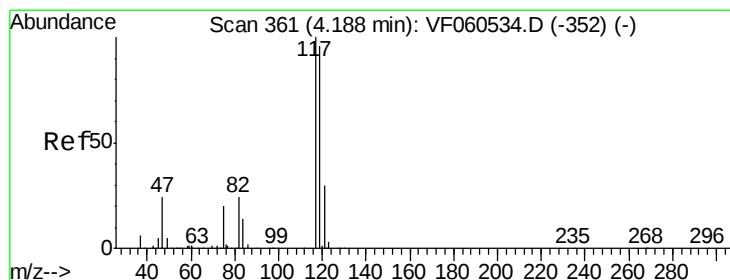
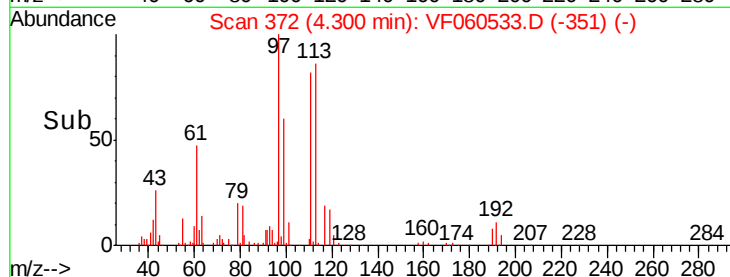
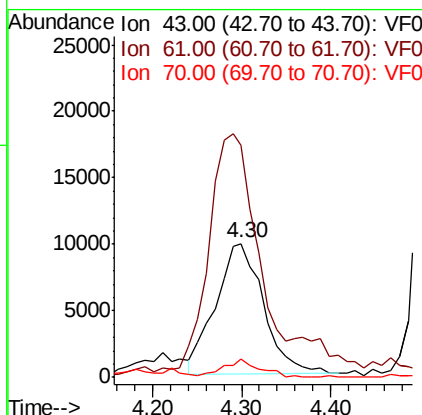
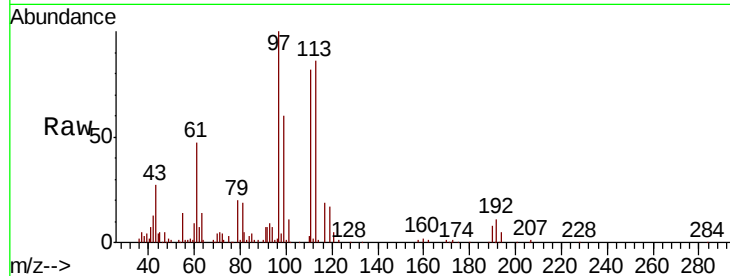
#37
Ethyl Acetate
Concen: 15.714 ug/l
RT: 4.30 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	172.9	123.9	185.9
70	14.1	7.3	10.9

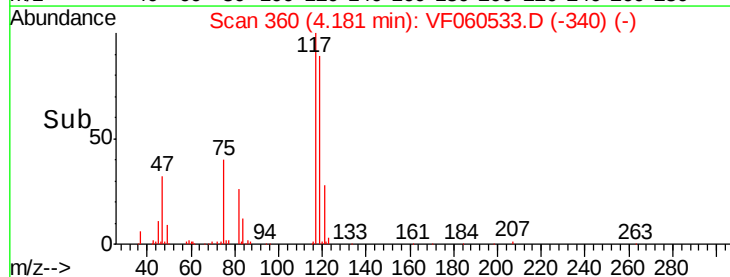
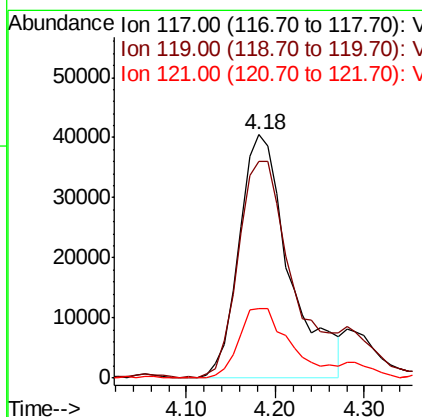
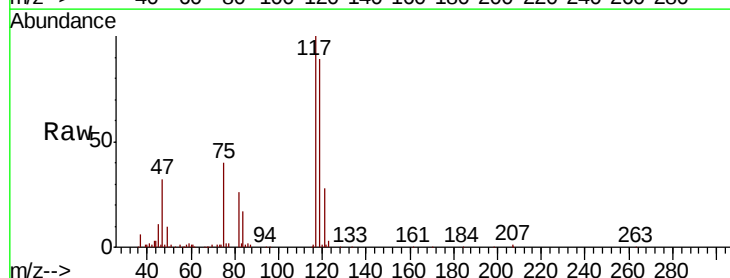
Manual Integrations
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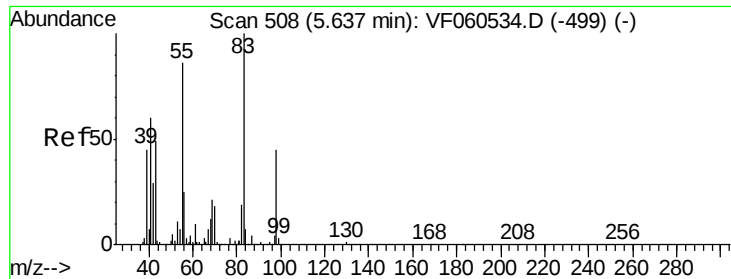
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#38
Carbon Tetrachloride
Concen: 15.498 ug/l
RT: 4.18 min Scan# 360
Delta R.T. -0.01 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.2	76.5	114.7
121	28.8	24.3	36.5





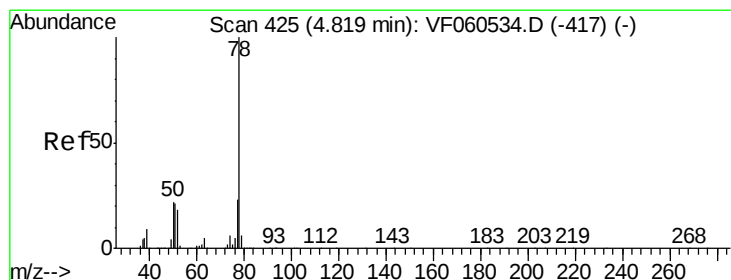
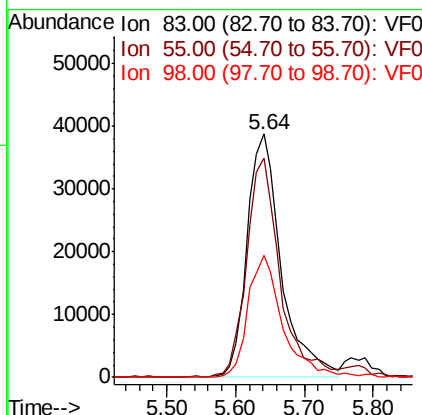
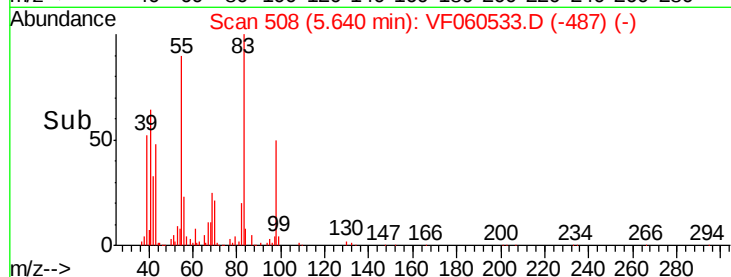
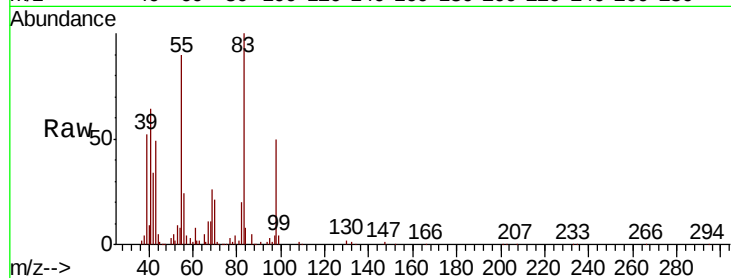
#39
Methvlcvclohexane
Concen: 22.582 ug/l
RT: 5.64 min Scan# 508
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.3	69.0	103.4
98	50.0	36.1	54.1

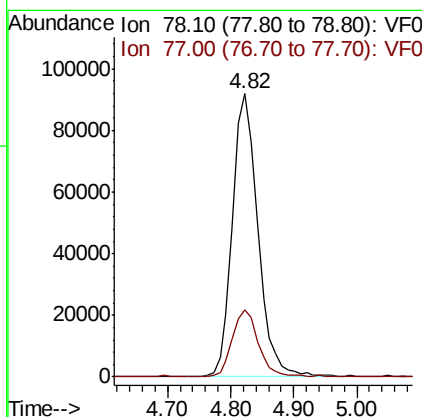
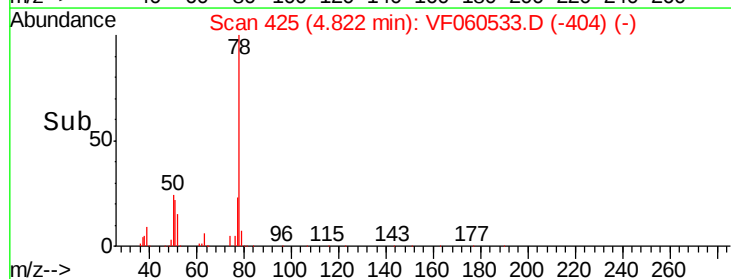
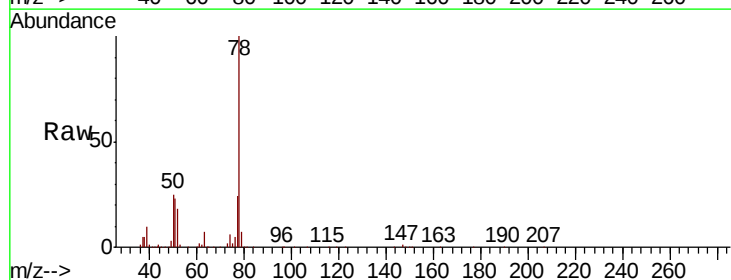
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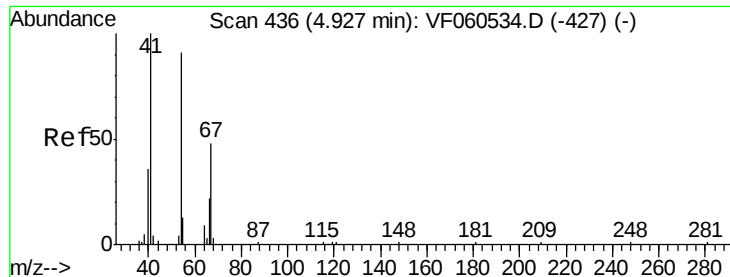
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#40
Benzene
Concen: 21.476 ug/l
RT: 4.82 min Scan# 425
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.5	27.7





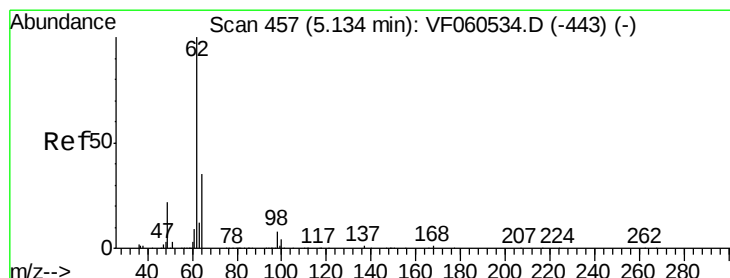
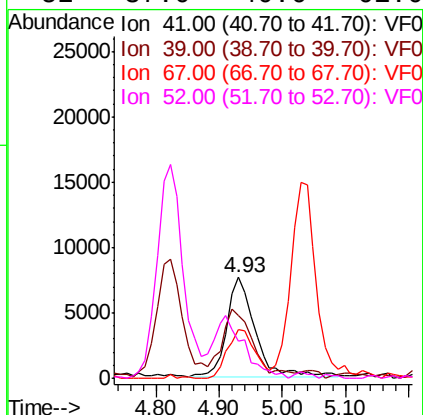
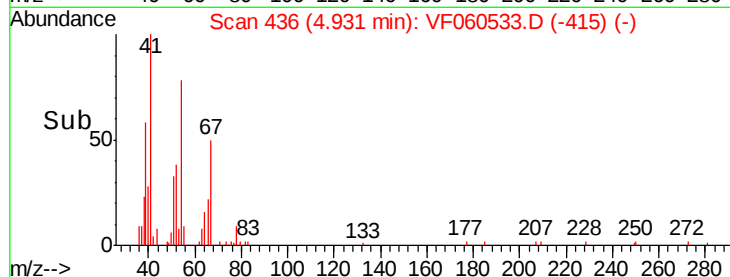
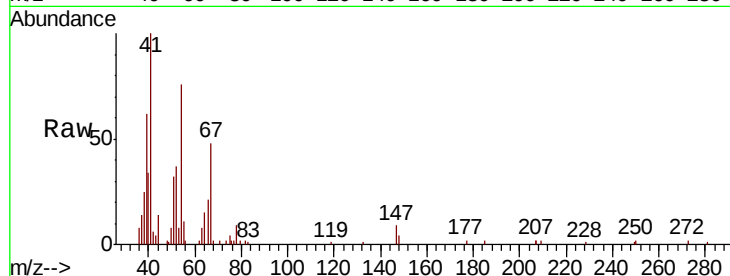
#41
Methacrylonitrile
Concen: 19.450 ug/l
RT: 4.93 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
23288	41	100		
	39	62.2	51.0	76.6
	67	48.4	38.0	57.0
	52	37.0	40.6	61.0

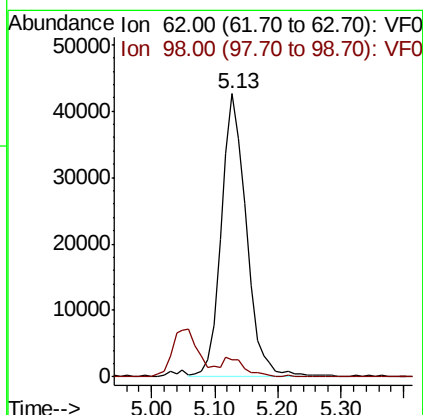
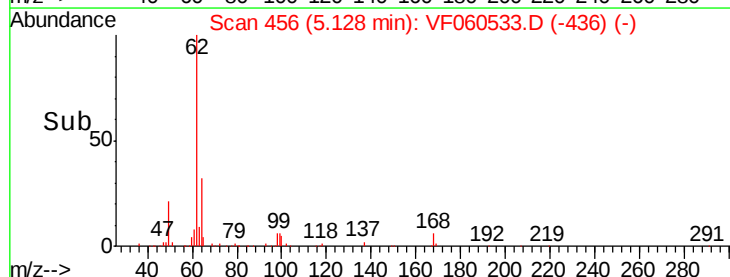
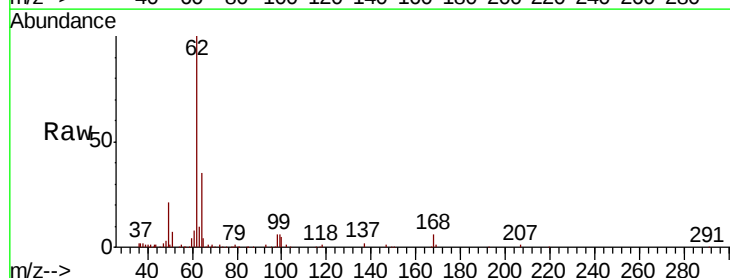
Manual Integrations
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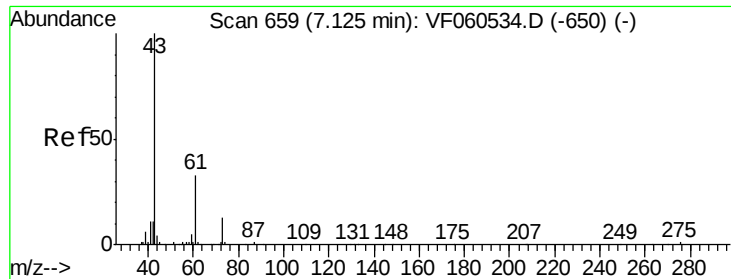
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#42
1,2-Dichloroethane
Concen: 16.136 ug/l
RT: 5.13 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ion	Ratio	Lower	Upper
118075	62	100		
	98	6.1	0.0	15.8





#43

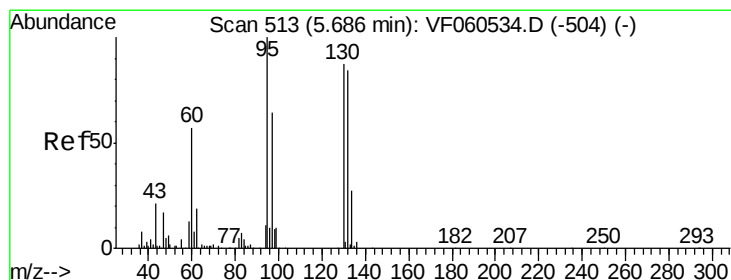
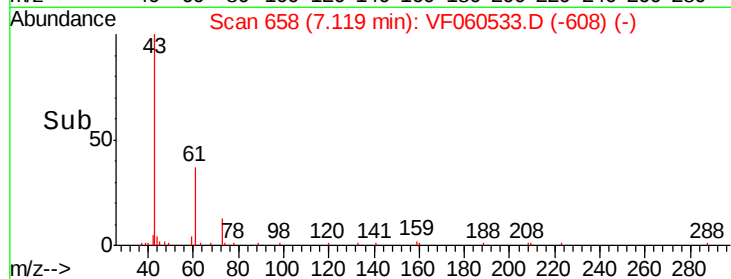
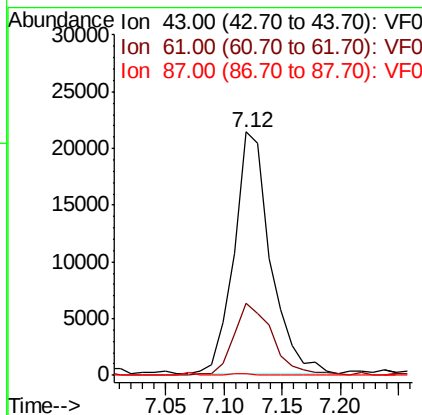
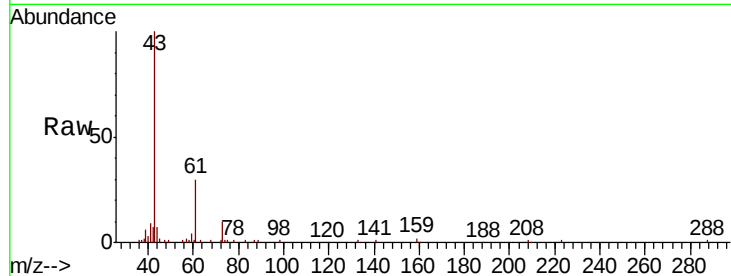
Isopropyl Acetate
 Concen: 18.456 ug/l
 RT: 7.12 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	26.6	40.0
87	0.6	0.6	1.0

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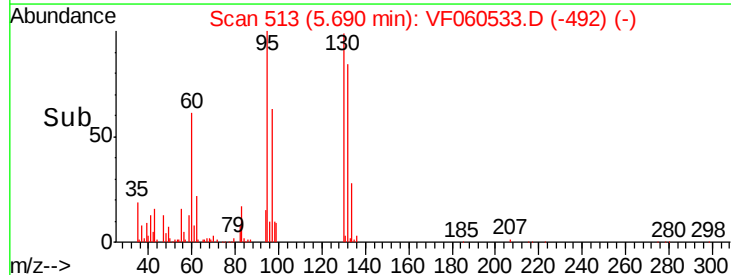
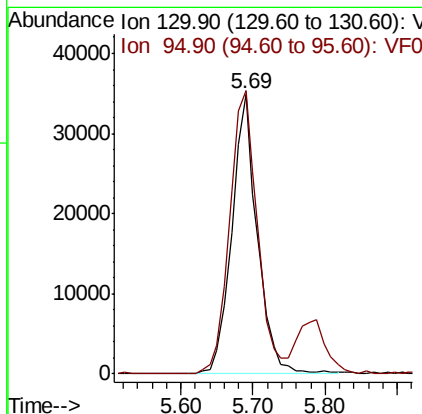
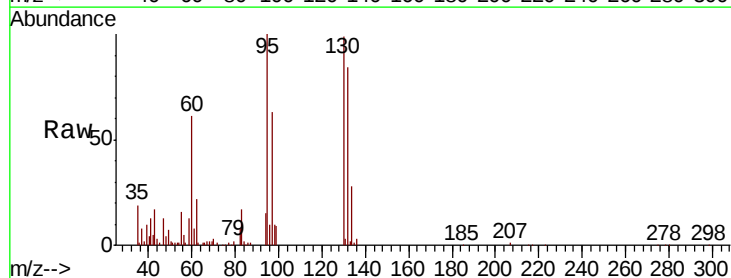
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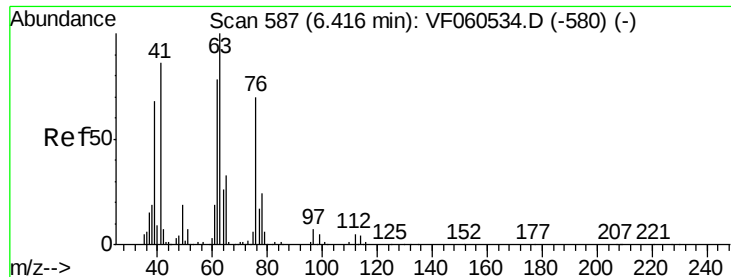


#44

Trichloroethene
 Concen: 20.893 ug/l
 RT: 5.69 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	229.4





#45

1,2-Dichloropropane

Concen: 21.710 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 65241

Ion Ratio Lower Upper

63 100

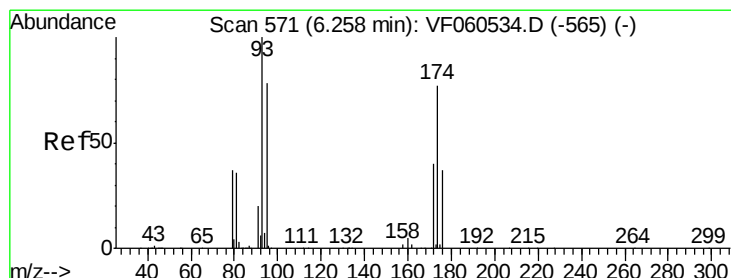
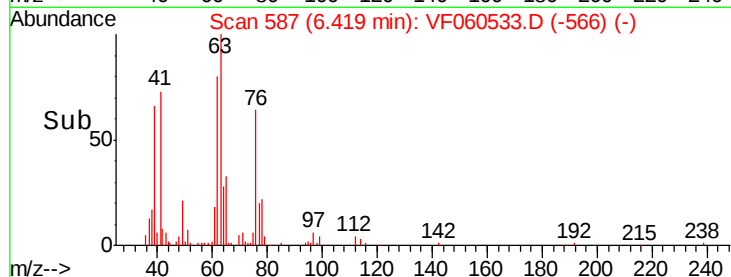
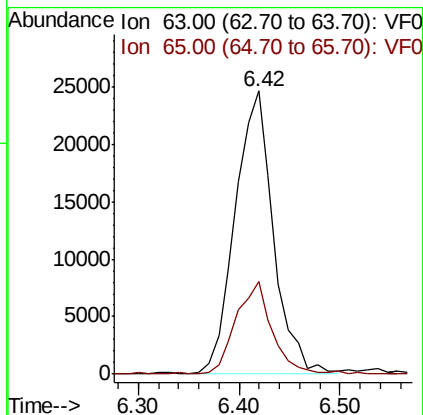
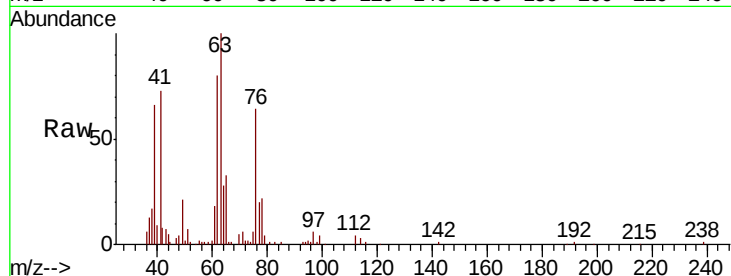
65 32.6 26.5 39.7

Manual Integrations

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#46

Dibromomethane

Concen: 17.919 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

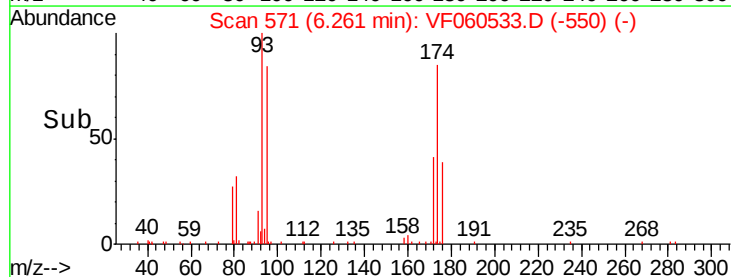
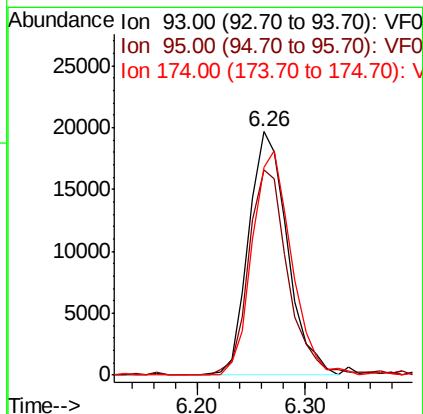
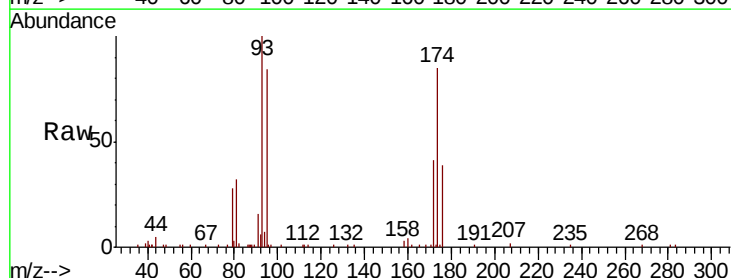
Tgt Ion: 93 Resp: 49487

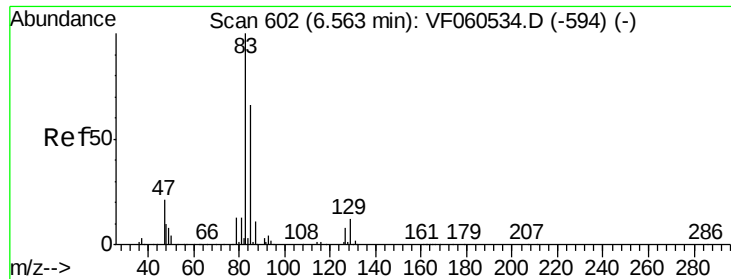
Ion Ratio Lower Upper

93 100

95 84.4 64.3 96.5

174 85.1 63.3 94.9





#47

Bromodichloromethane

Concen: 16.446 ug/l

RT: 6.57 min Scan# 602

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

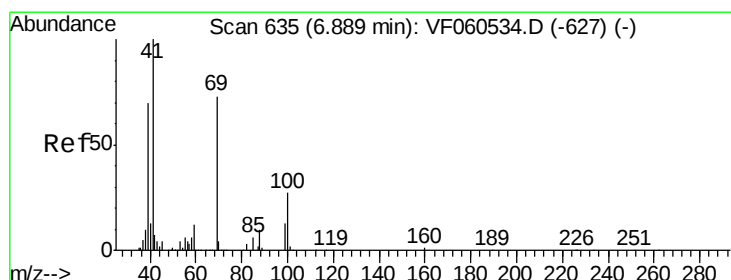
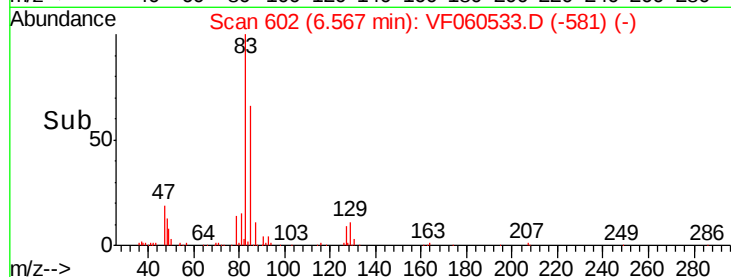
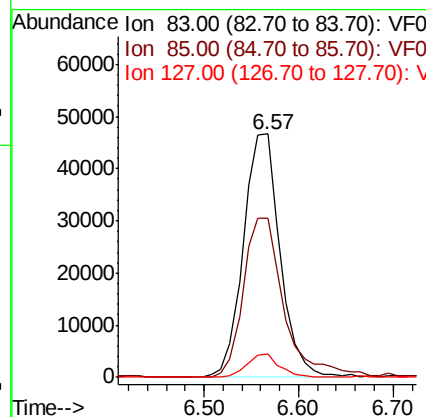
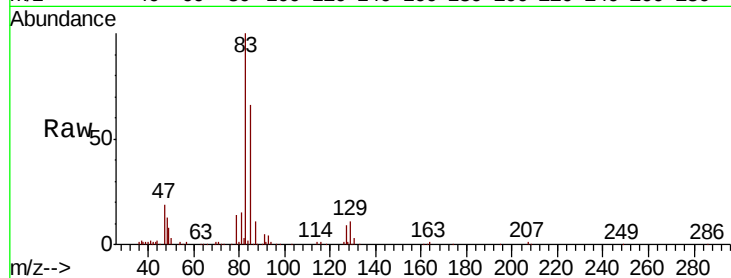
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	125452
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.7	79.1
127	9.5	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.927 ug/l

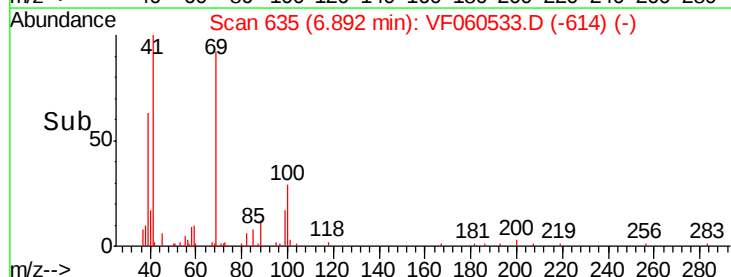
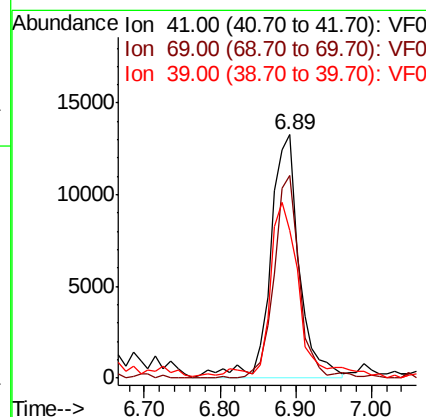
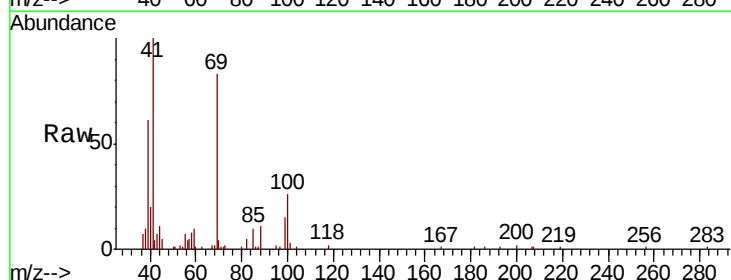
RT: 6.89 min Scan# 635

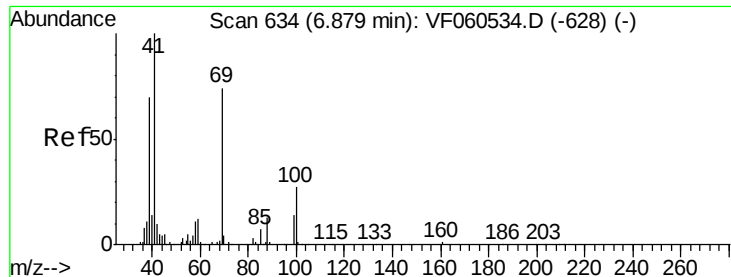
Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Tgt Ion:	41	Resp:	35148
Ion Ratio	Lower	Upper	
41	100		
69	83.1	58.4	87.6
39	60.6	56.4	84.6





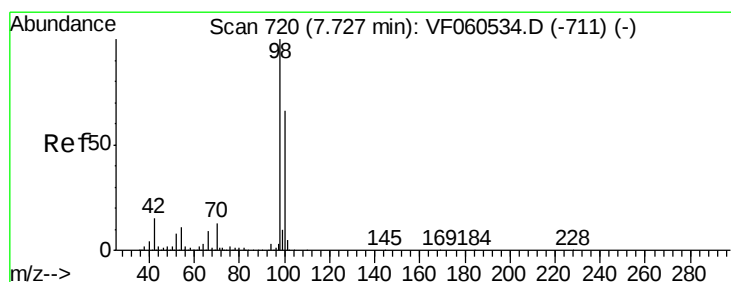
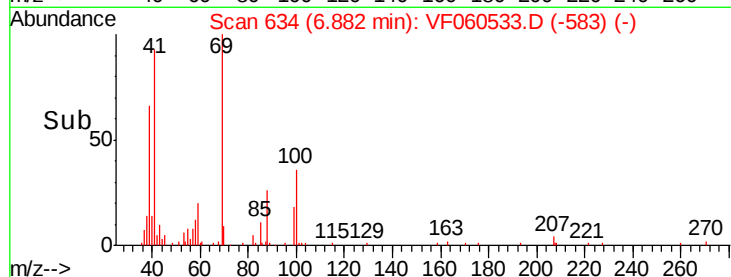
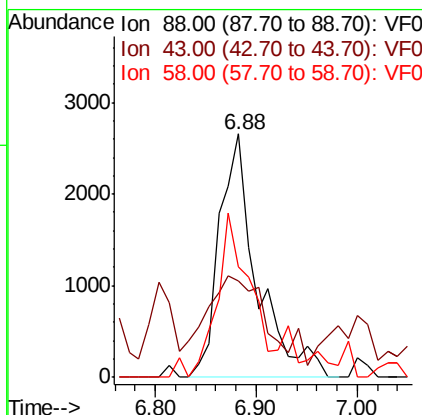
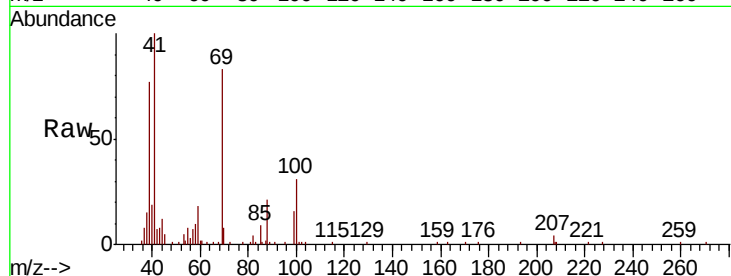
#49
1,4-Dioxane
Concen: 422.034 ug/l
RT: 6.88 min Scan# 634
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	6903
Ion	Ratio	Lower	Upper
88	100		
43	39.5	49.7	74.5#
58	45.6	67.7	101.5#

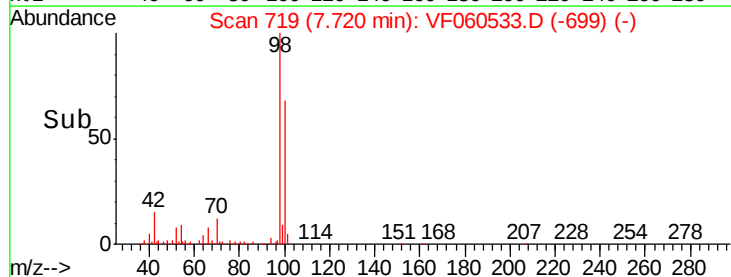
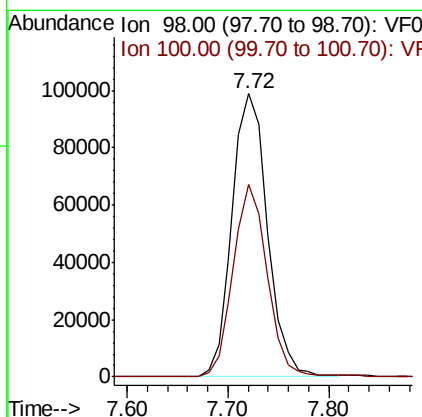
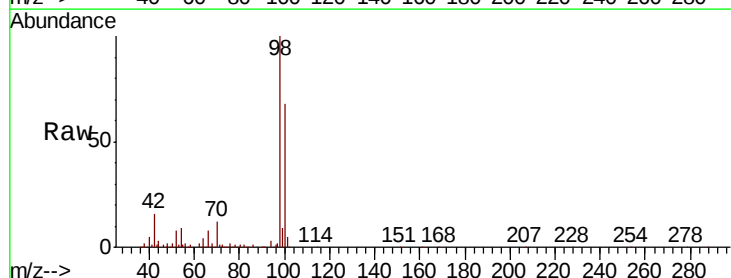
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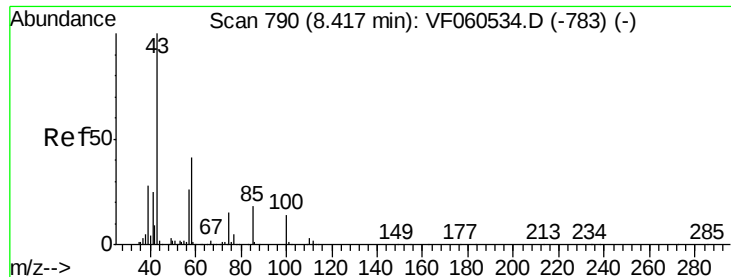
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#50
Toluene-d8
Concen: 20.669 ug/l
RT: 7.72 min Scan# 719
Delta R.T. -0.01 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	98	Resp	242306
Ion	Ratio	Lower	Upper
98	100		
100	68.1	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 95.585 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 182477

Ion Ratio Lower Upper

43 100

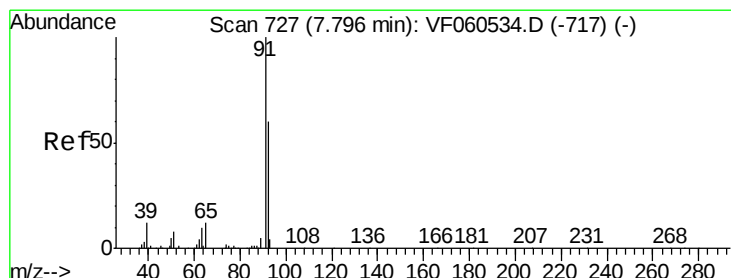
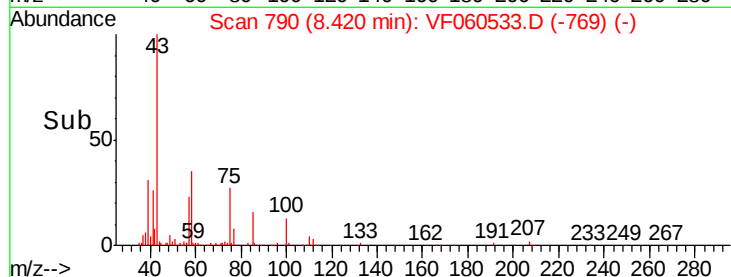
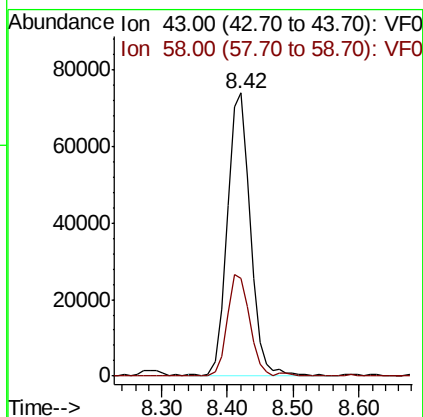
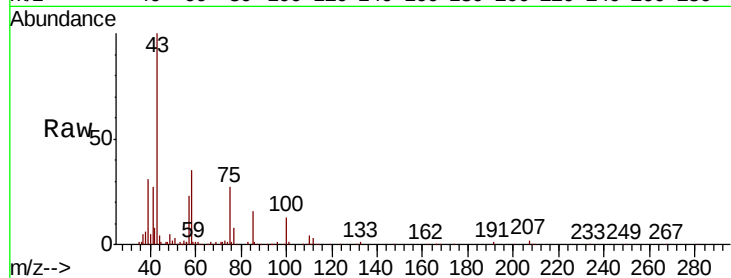
58 34.5 32.6 49.0

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#52

Toluene

Concen: 21.156 ug/l

RT: 7.79 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF060533.D

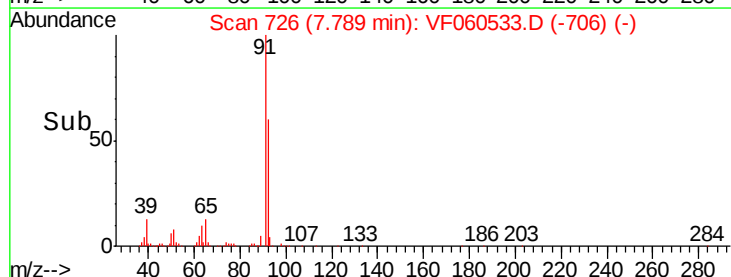
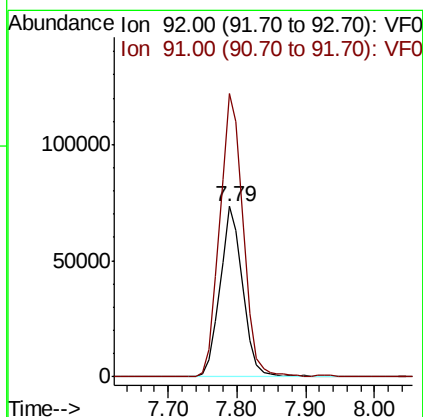
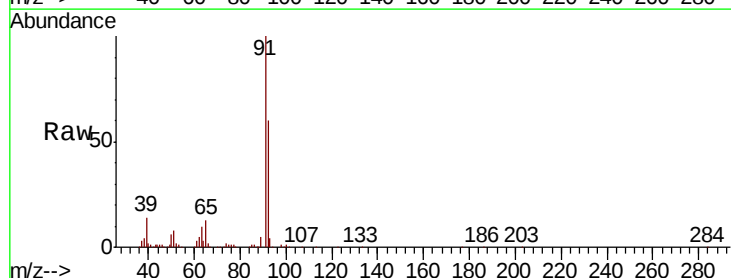
Acq: 29 Oct 2018 17:24

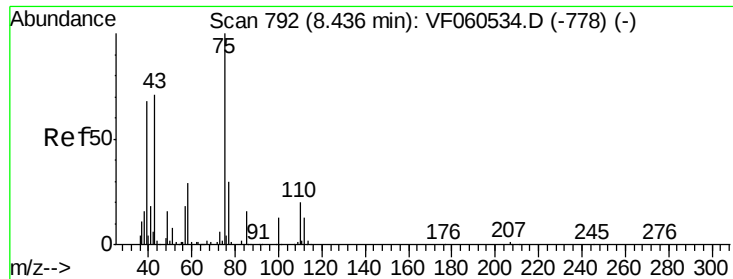
Tgt Ion: 92 Resp: 167047

Ion Ratio Lower Upper

92 100

91 166.1 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 18.002 ug/l

RT: 8.44 min Scan# 792

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 102725

Ion Ratio Lower Upper

75 100

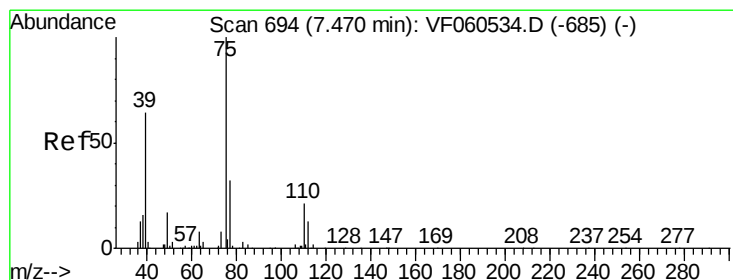
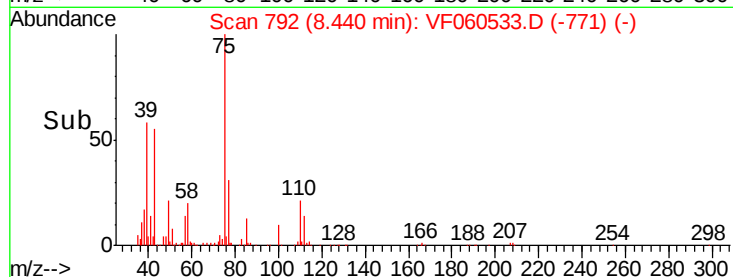
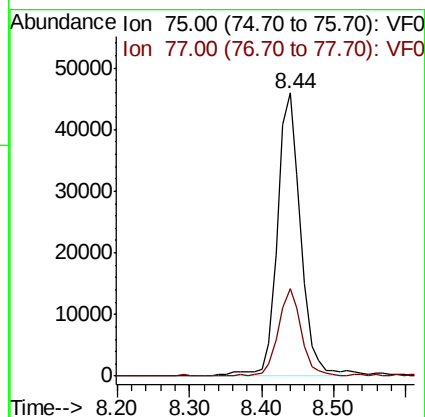
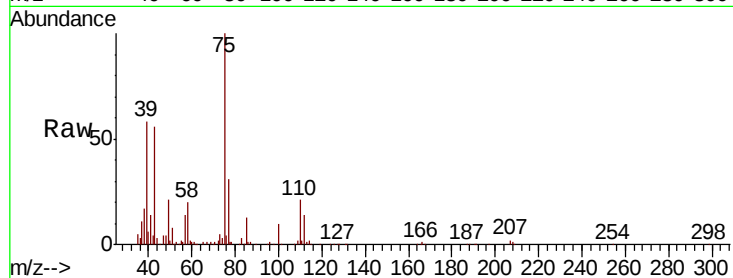
77 31.1 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 19.977 ug/l

RT: 7.47 min Scan# 694

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

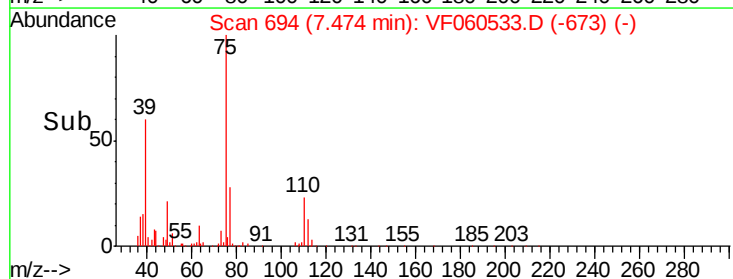
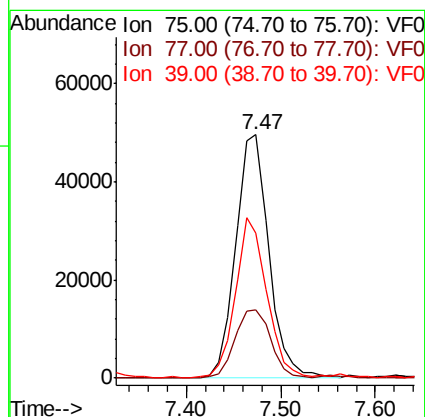
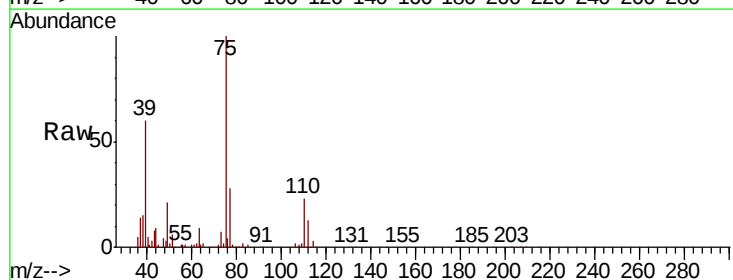
Tgt Ion: 75 Resp: 119351

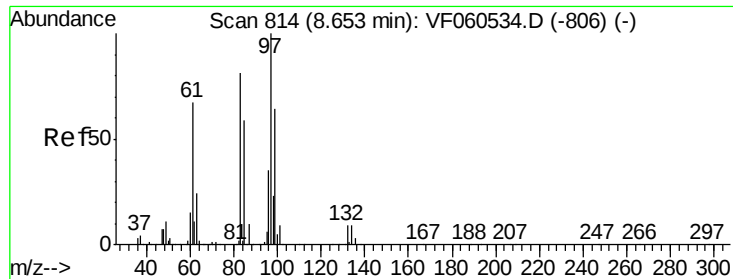
Ion Ratio Lower Upper

75 100

77 28.2 25.7 38.5

39 59.6 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 20.562 ug/l

RT: 8.66 min Scan# 814

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

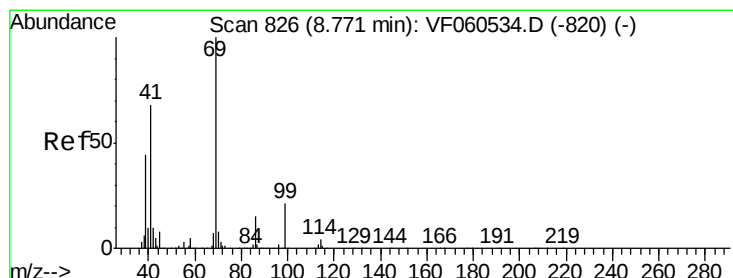
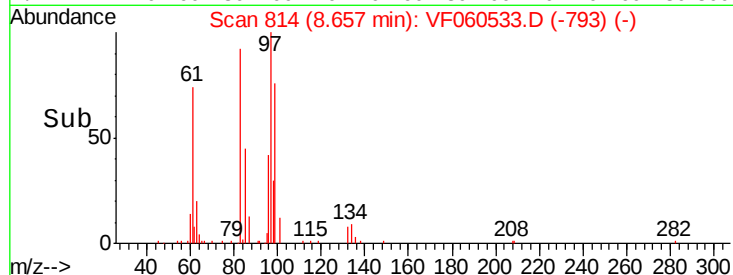
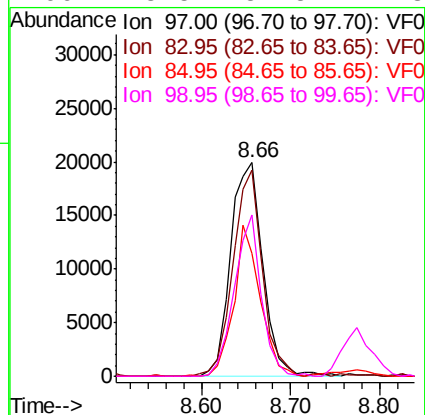
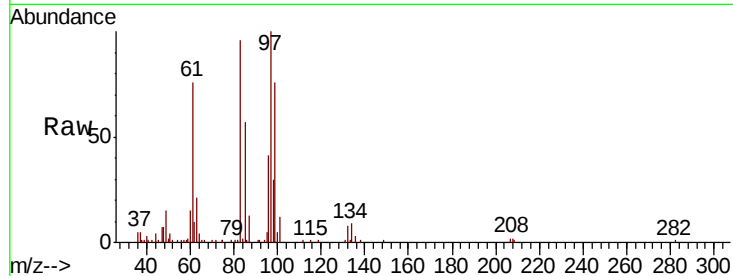
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	50452
Ion	Ratio	Lower	Upper
97	100		
83	96.3	65.3	97.9
85	57.4	47.6	71.4
99	75.5	51.5	77.3

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#56

Ethyl methacrylate

Concen: 19.668 ug/l

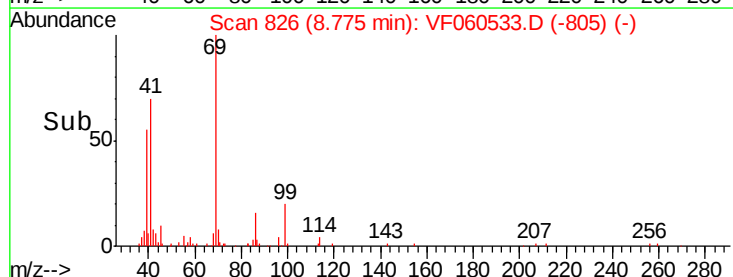
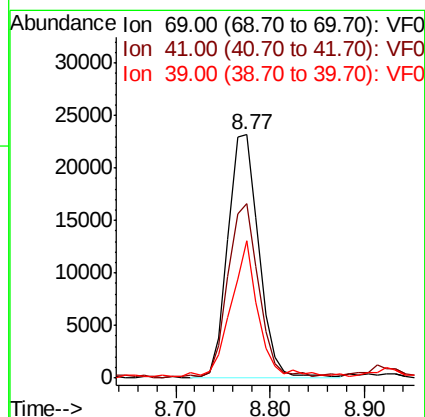
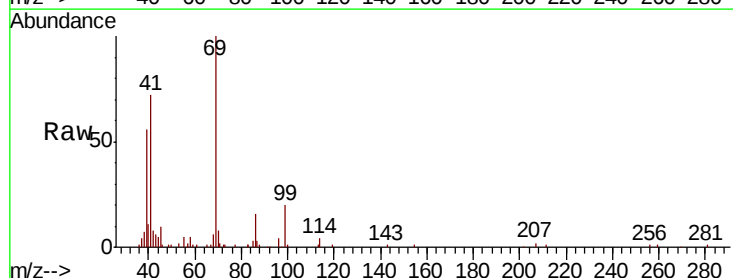
RT: 8.77 min Scan# 826

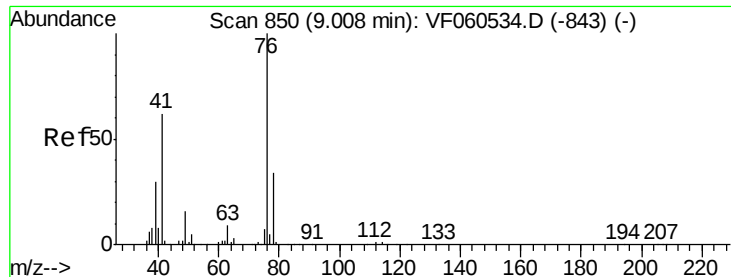
Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Tgt Ion:	69	Resp:	52727
Ion	Ratio	Lower	Upper
69	100		
41	71.8	55.0	82.6
39	56.4	35.1	52.7#





#57

1,3-Dichloropropane

Concen: 19.199 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 83383

Ion Ratio Lower Upper

76 100

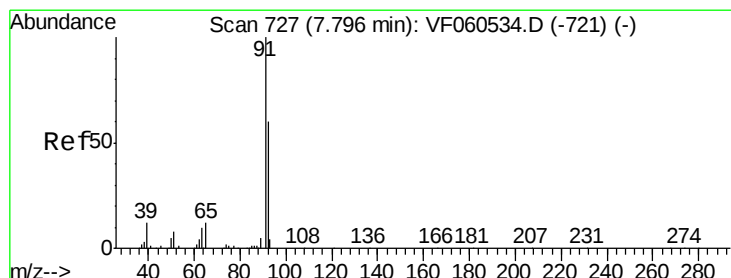
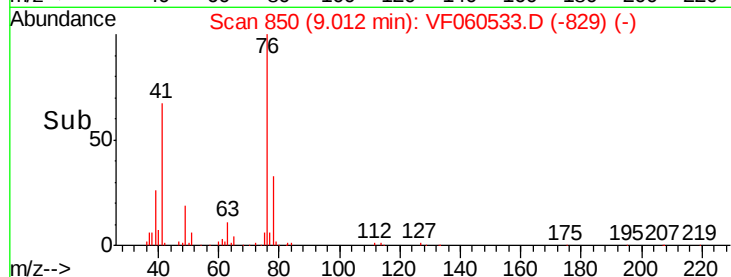
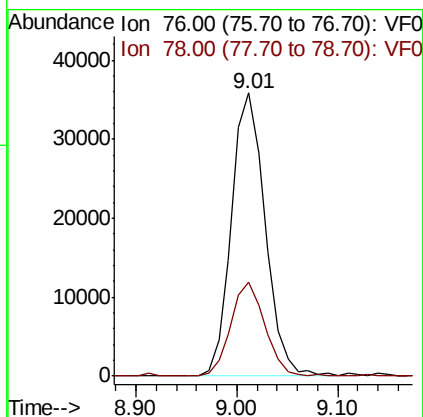
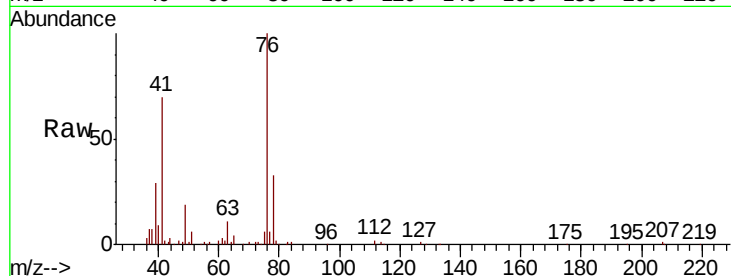
78 33.3 27.3 40.9

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#58

2-Chloroethyl Vinyl ether

Concen: 83.152 ug/l

RT: 7.79 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF060533.D

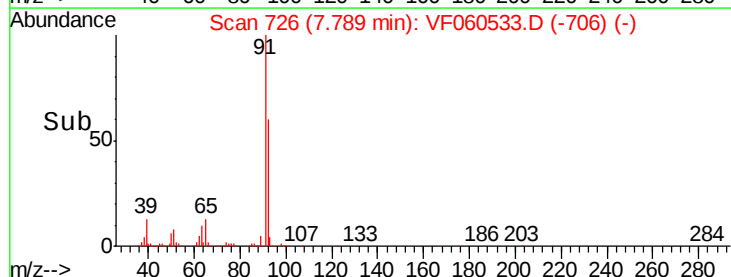
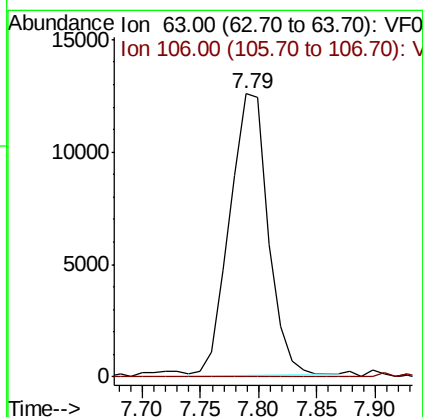
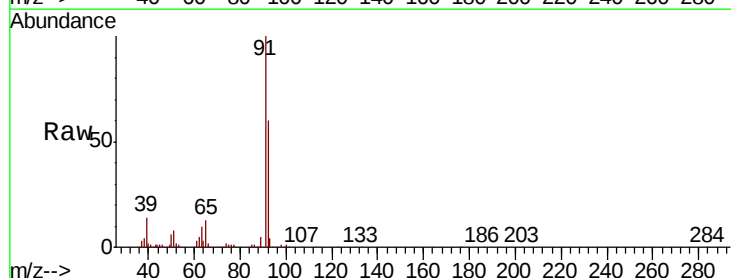
Acq: 29 Oct 2018 17:24

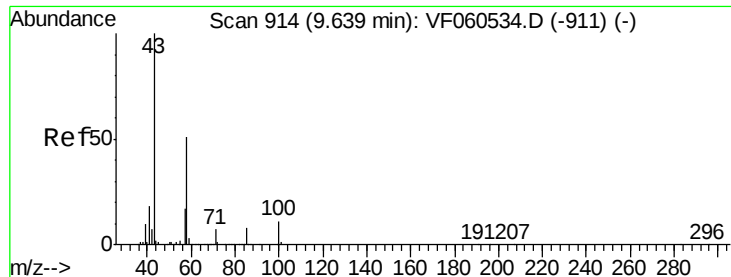
Tgt Ion: 63 Resp: 28768

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





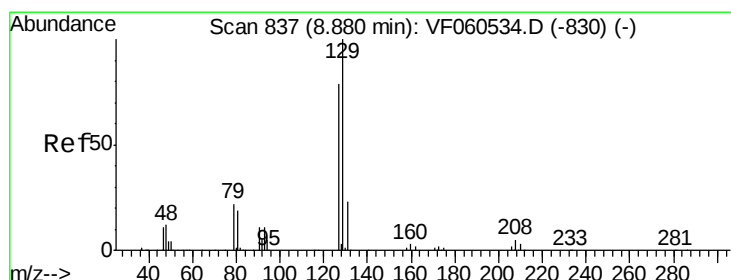
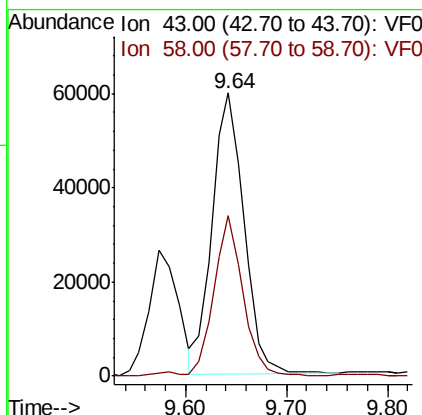
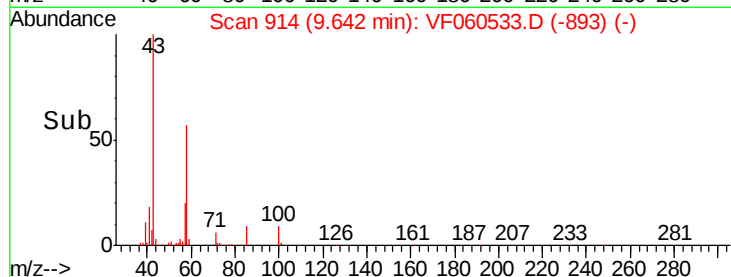
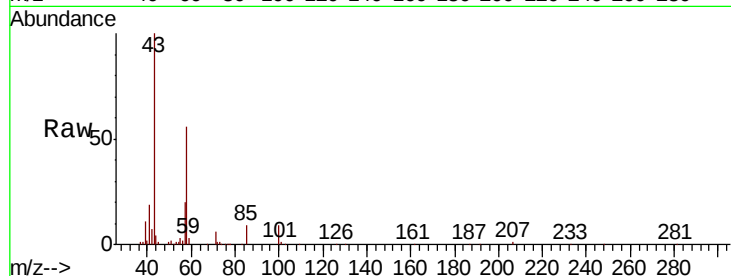
#59
2-Hexanone
Concen: 92.468 ug/l
RT: 9.64 min Scan# 914
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 131479
Ion Ratio Lower Upper
43 100
58 56.5 24.1 72.3

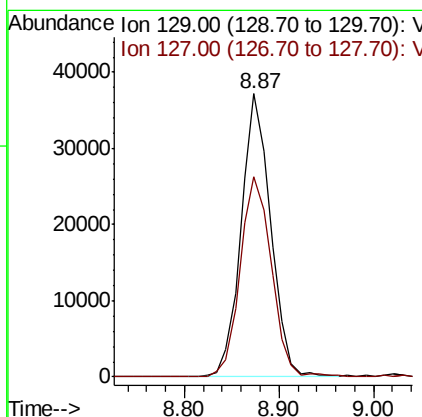
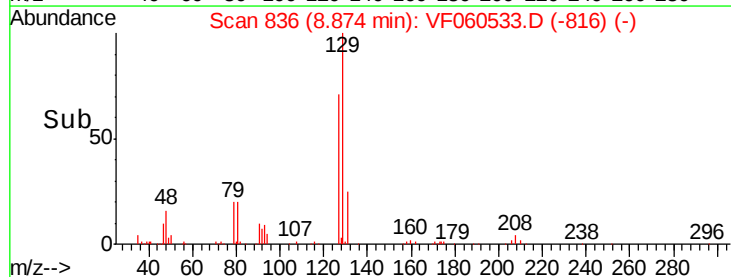
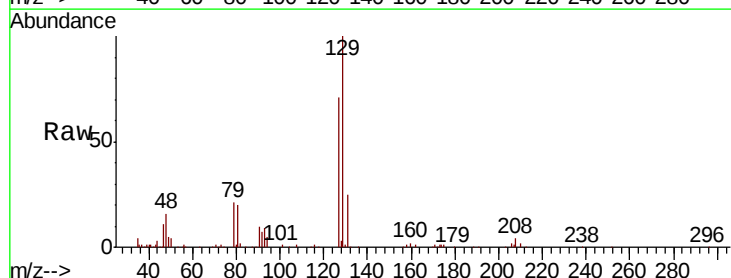
Manual Integrations
APPROVED

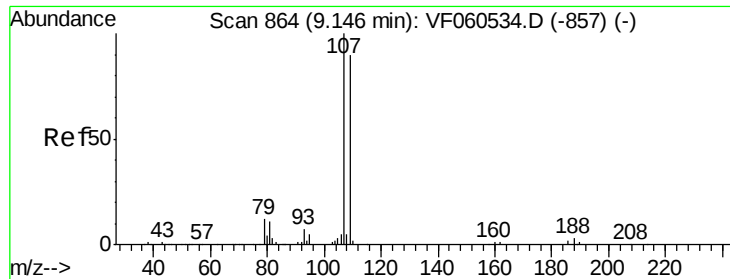
apatel
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#60
Dibromochloromethane
Concen: 17.627 ug/l
RT: 8.87 min Scan# 836
Delta R.T. -0.01 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion: 129 Resp: 80328
Ion Ratio Lower Upper
129 100
127 70.6 39.6 119.0





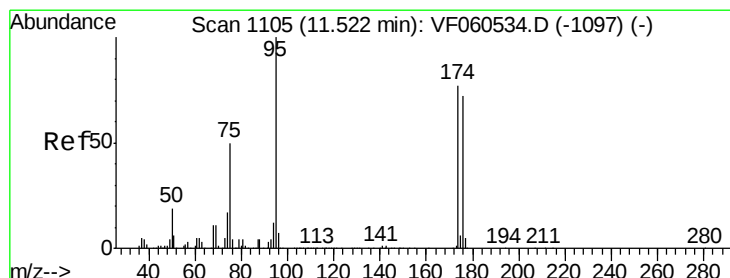
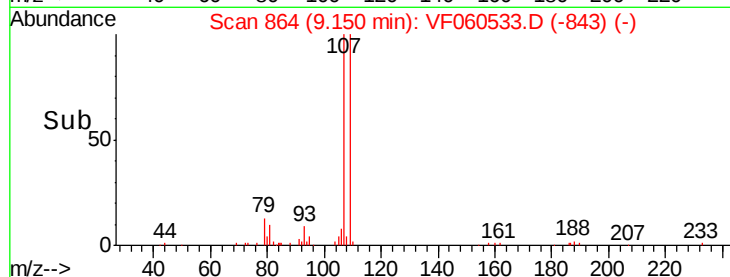
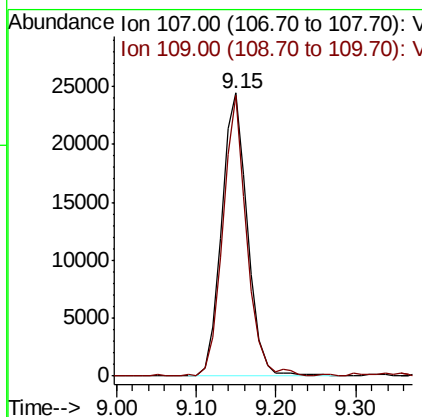
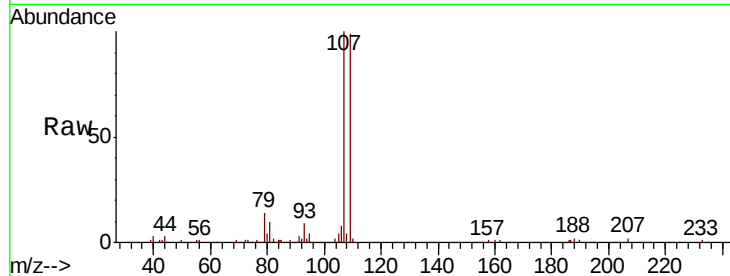
#61
 1,2-Dibromoethane
 Concen: 19.253 ug/l
 RT: 9.15 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.4	72.2	108.2

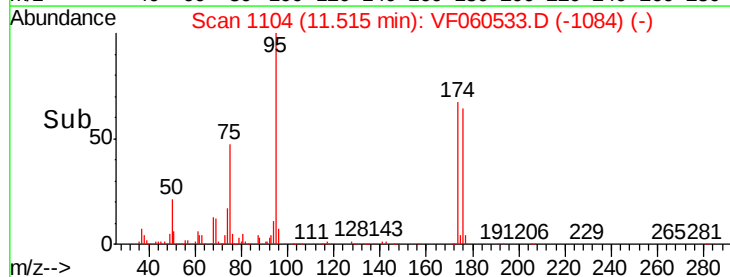
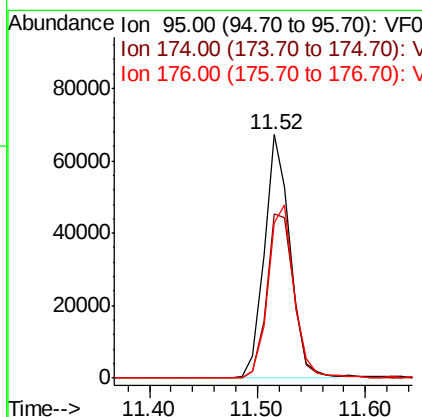
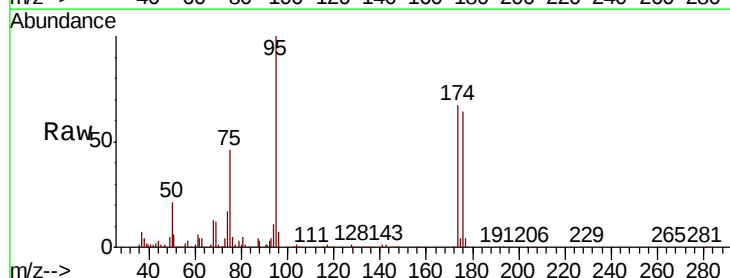
Manual Integrations
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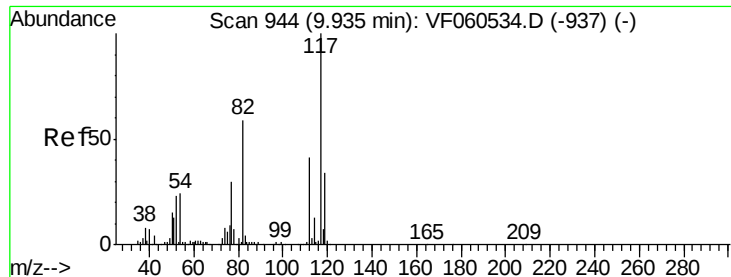
apatel
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#62
 4-Bromofluorobenzene
 Concen: 17.367 ug/l
 RT: 11.52 min Scan# 1104
 Delta R.T. -0.01 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.2	0.0	153.8
176	63.6	0.0	143.6





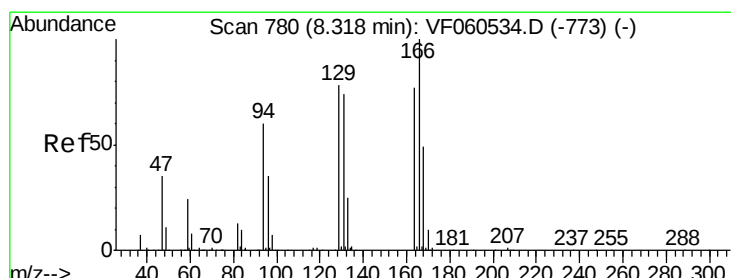
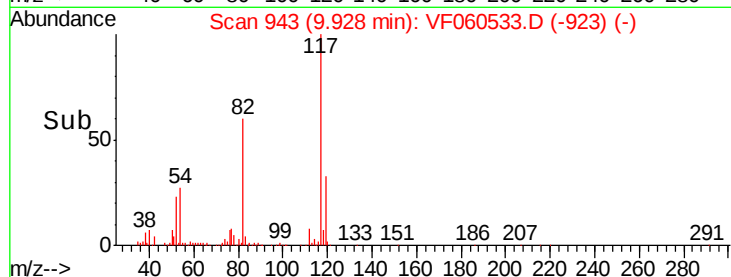
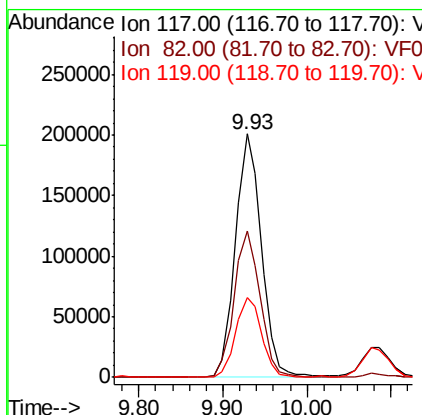
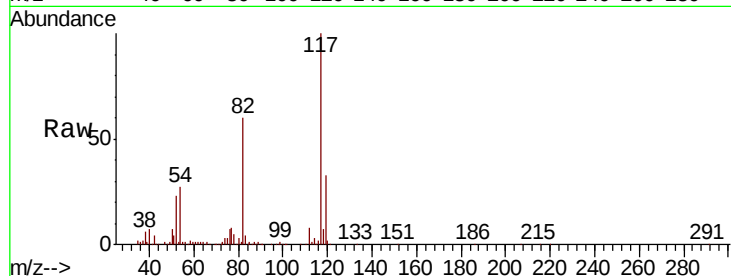
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	47.6	71.4
119	32.7	27.3	40.9

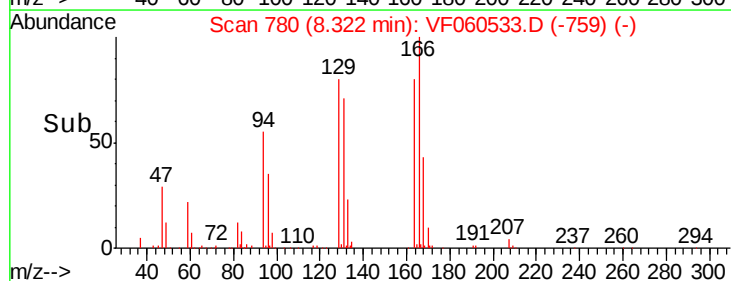
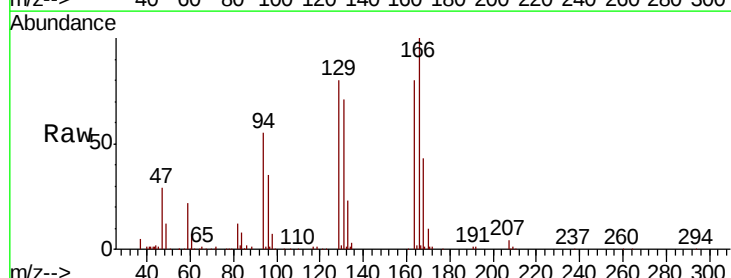
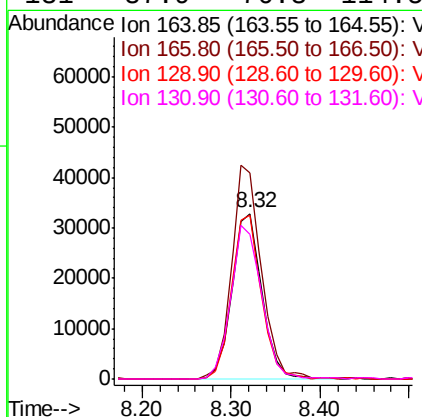
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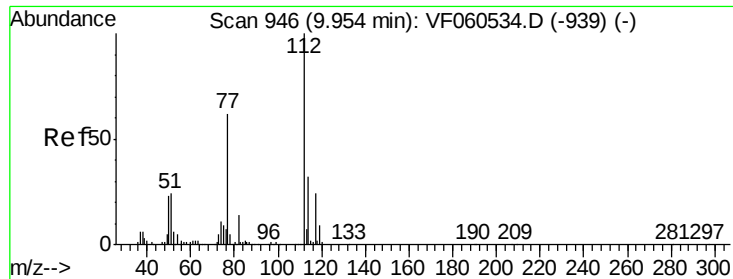
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#64
Tetrachloroethene
Concen: 20.606 ug/l
RT: 8.32 min Scan# 780
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	103.4	155.2
129	99.3	80.7	121.1
131	87.9	76.3	114.5





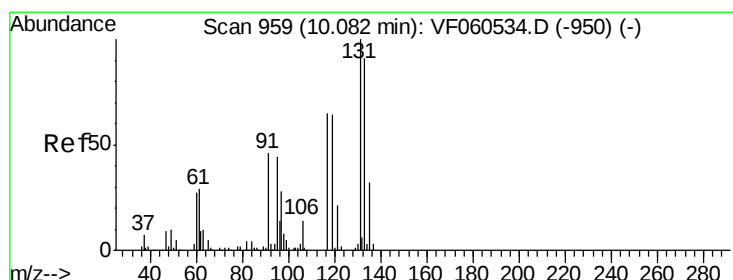
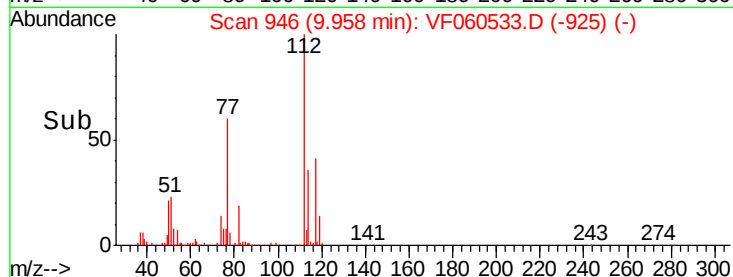
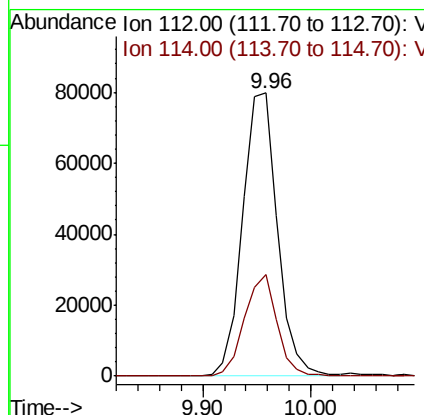
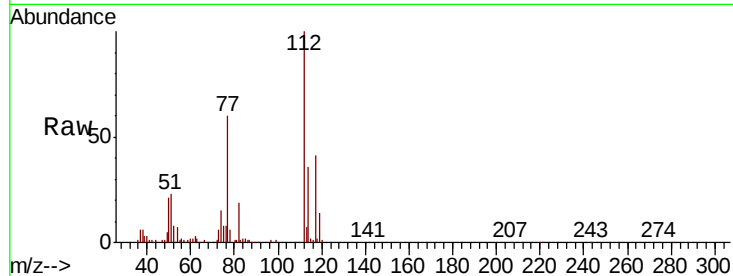
#65
Chlorobenzene
Concen: 19.466 ug/l
RT: 9.96 min Scan# 946
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 179400
Ion Ratio Lower Upper
112 100
114 35.8 25.5 38.3

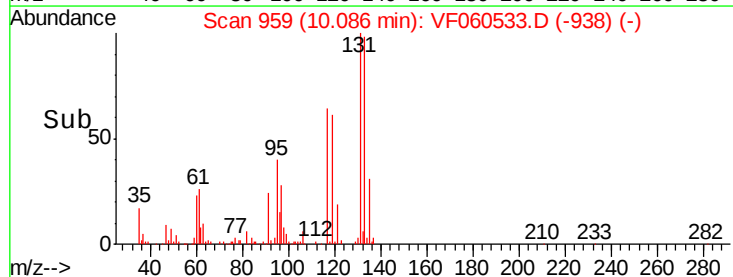
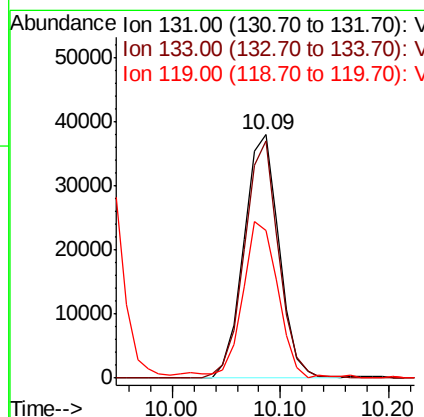
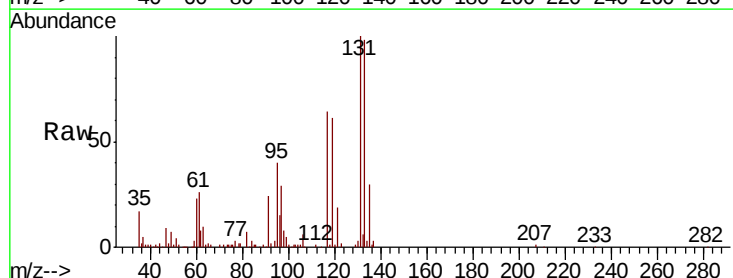
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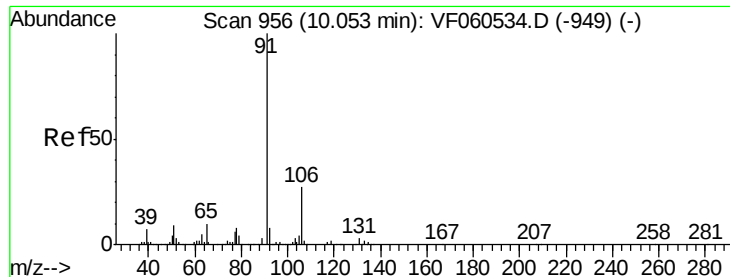
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.724 ug/l
RT: 10.09 min Scan# 959
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion:131 Resp: 86188
Ion Ratio Lower Upper
131 100
133 97.5 45.8 137.3
119 60.7 32.4 97.0





#67

Ethyl Benzene

Concen: 19.579 ug/l

RT: 10.05 min Scan# 955

Delta R.T. -0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 362972

Ion Ratio Lower Upper

91 100

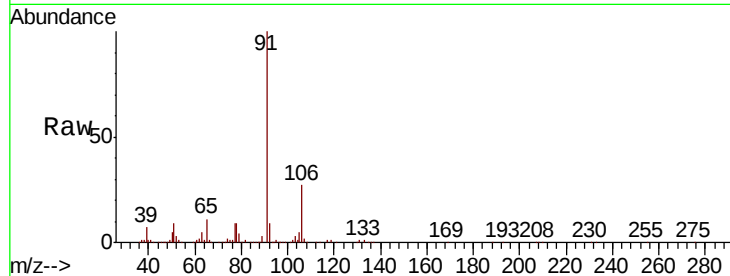
106 27.4 21.9 32.9

Manual Integrations

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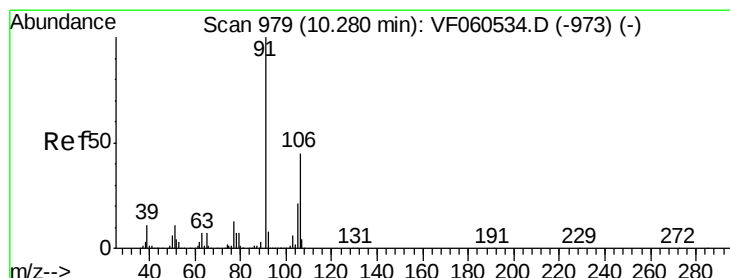
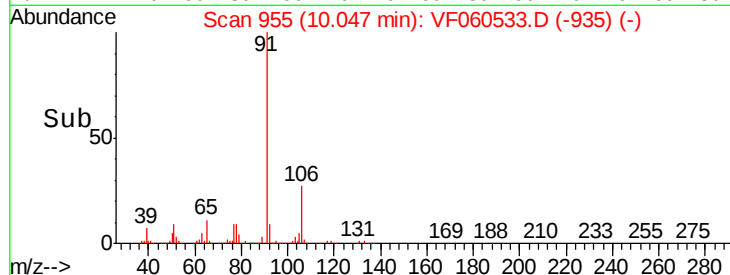
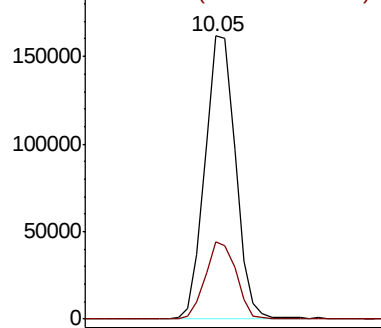
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.370 ug/l

RT: 10.28 min Scan# 979

Delta R.T. 0.00 min

Lab File: VF060533.D

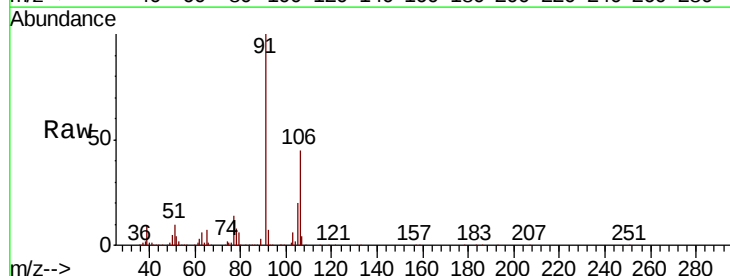
Acq: 29 Oct 2018 17:24

Tgt Ion: 106 Resp: 242812

Ion Ratio Lower Upper

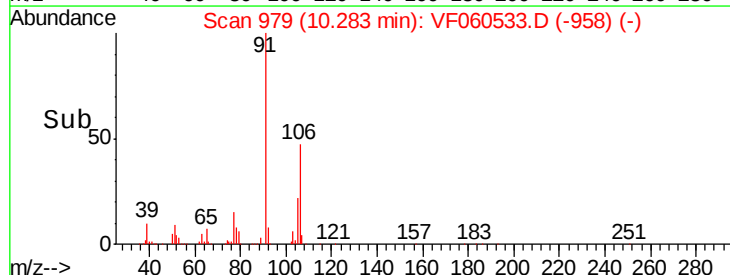
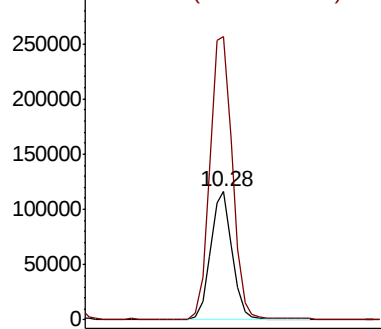
106 100

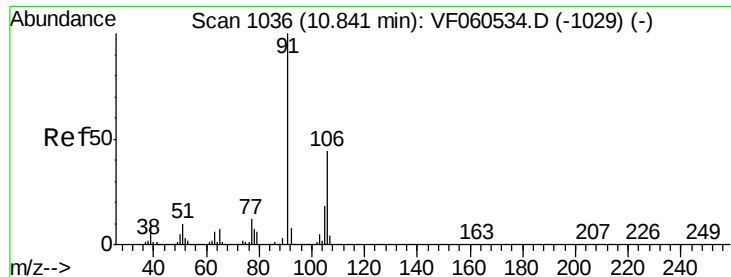
91 220.7 176.2 264.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





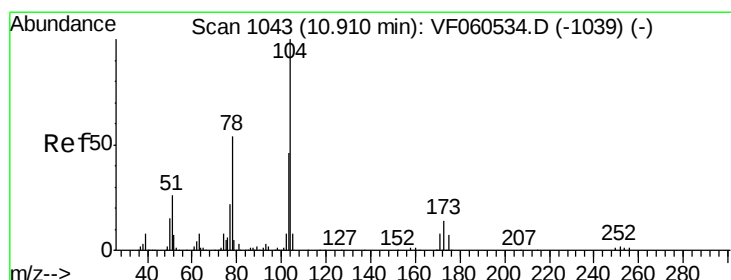
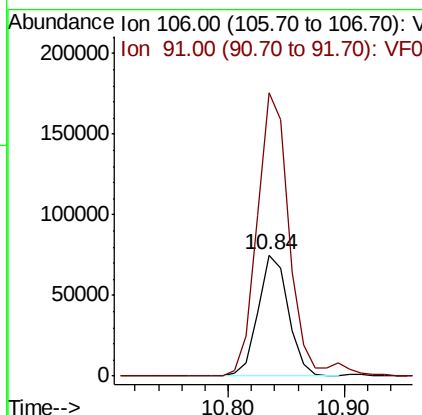
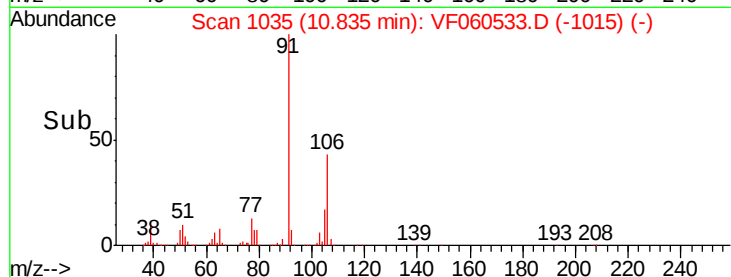
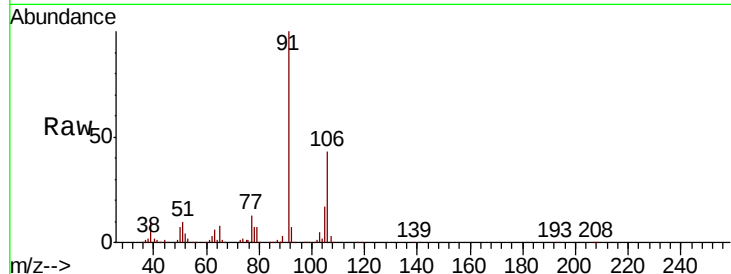
#69
o-Xylene
Concen: 20.332 ug/l
RT: 10.84 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	233.4	112.9	338.8

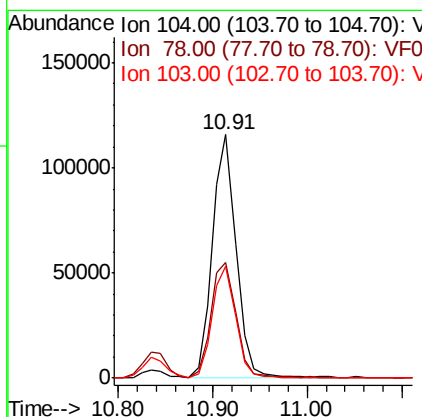
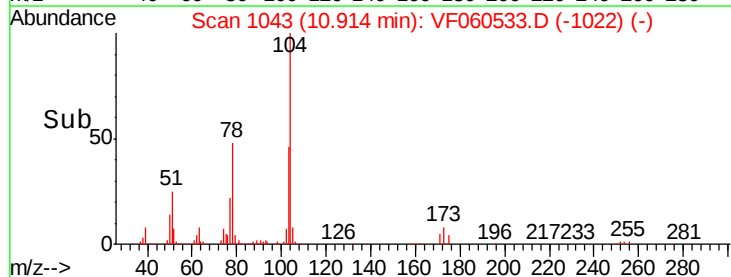
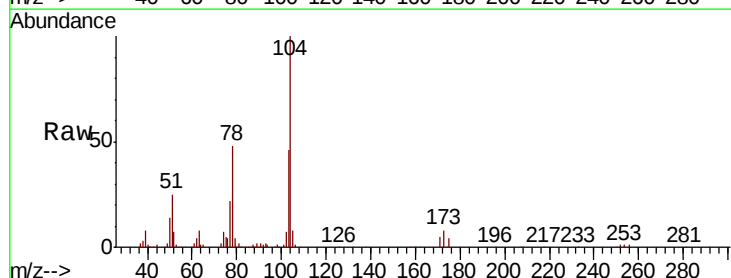
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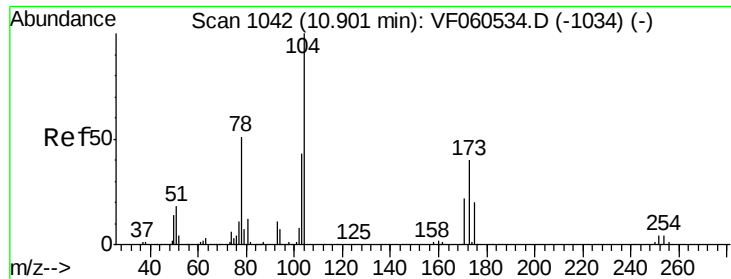
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#70
Styrene
Concen: 21.707 ug/l
RT: 10.91 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	43.4	65.2
103	46.1	36.9	55.3





#71

Bromoform

Concen: 16.571 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 41087

Ion Ratio Lower Upper

173 100

175 50.7 25.7 77.0

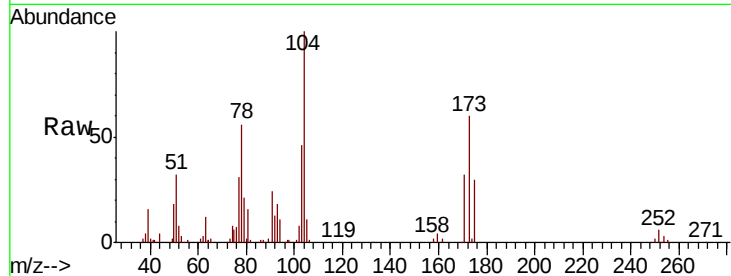
254 0.0 7.8 11.6#

Manual Integrations

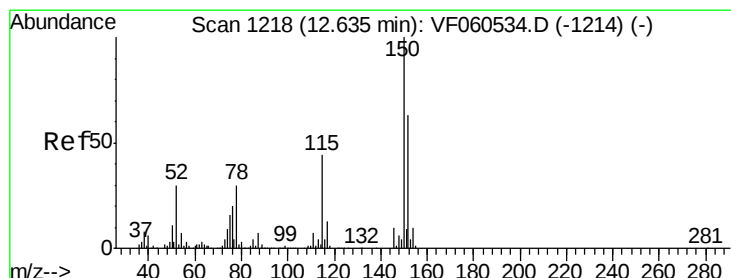
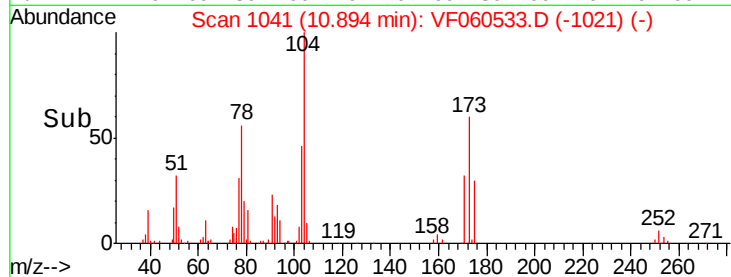
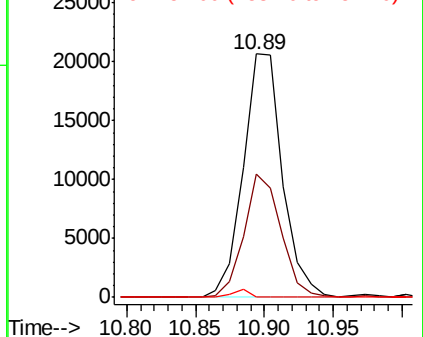
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

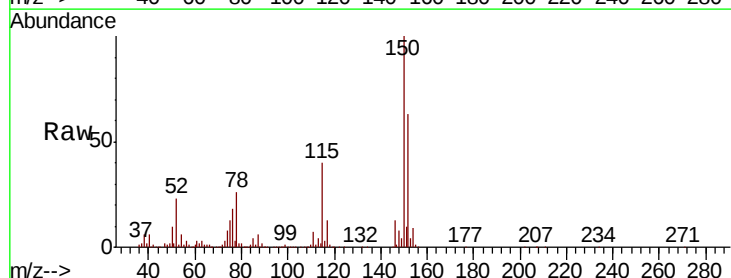
Tgt Ion:152 Resp: 256282

Ion Ratio Lower Upper

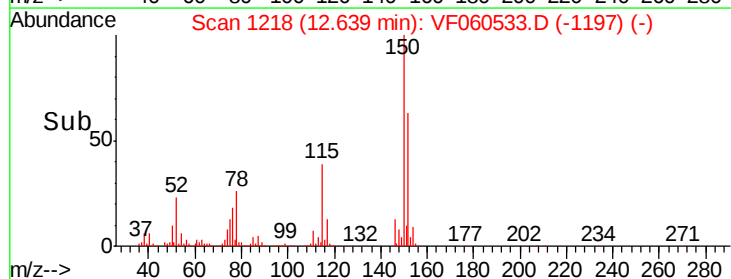
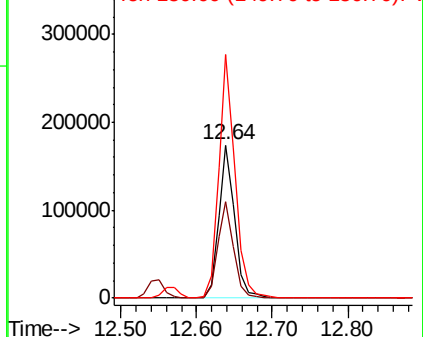
152 100

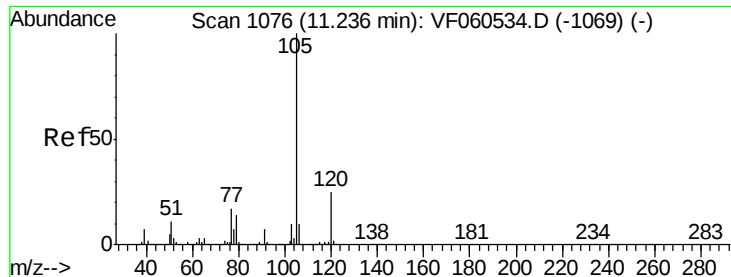
115 62.8 34.7 104.1

150 158.9 0.0 318.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.631 ug/l

RT: 11.24 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 419867

Ion Ratio Lower Upper

105 100

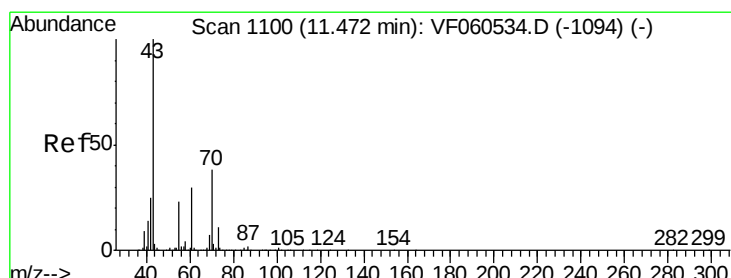
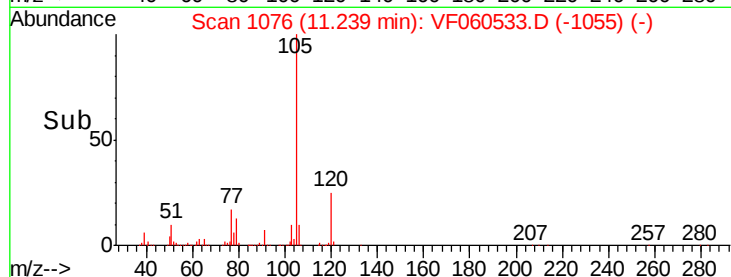
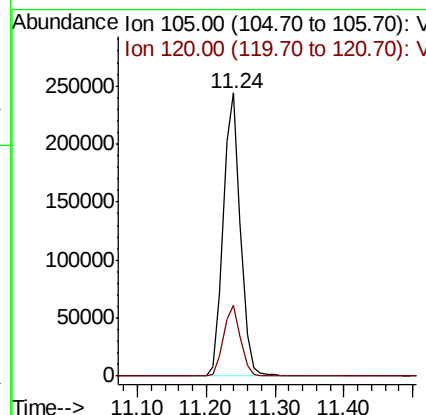
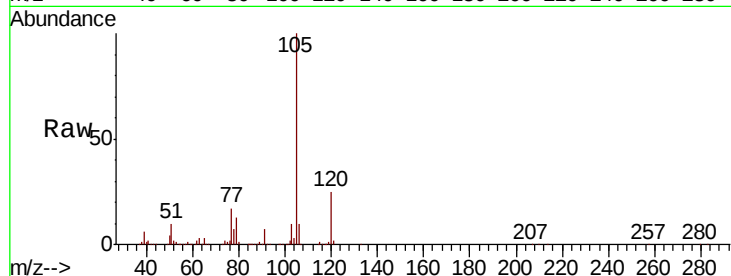
120 25.0 12.3 36.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.816 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Tgt Ion: 43 Resp: 76916

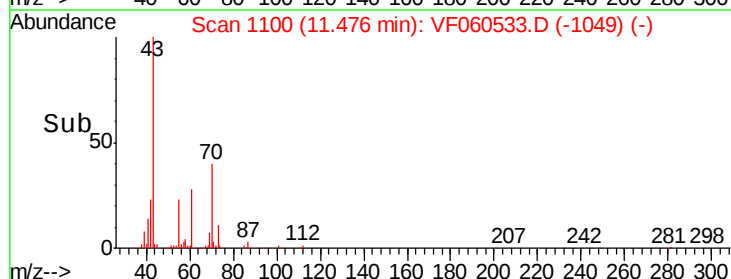
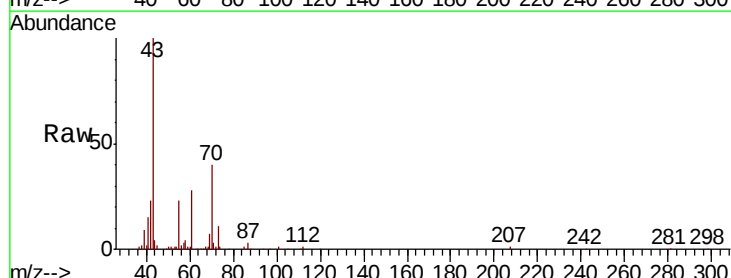
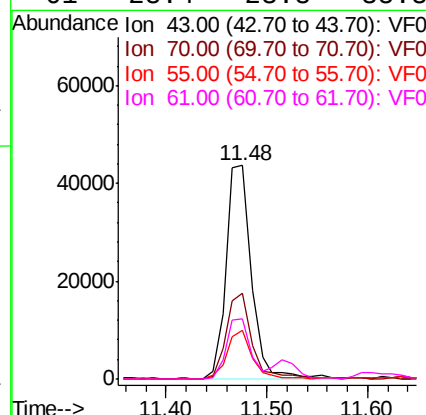
Ion Ratio Lower Upper

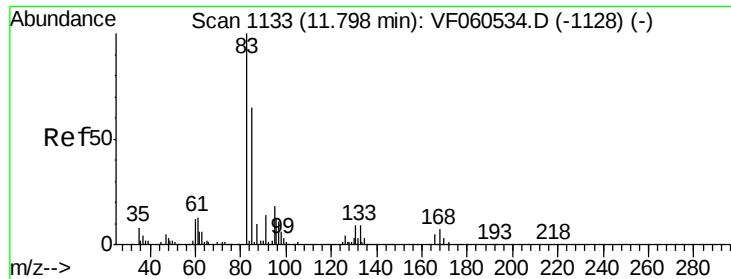
43 100

70 40.1 30.8 46.2

55 22.8 18.2 27.4

61 28.4 23.8 35.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.771 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

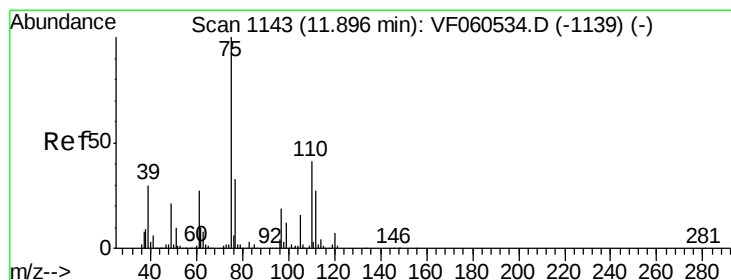
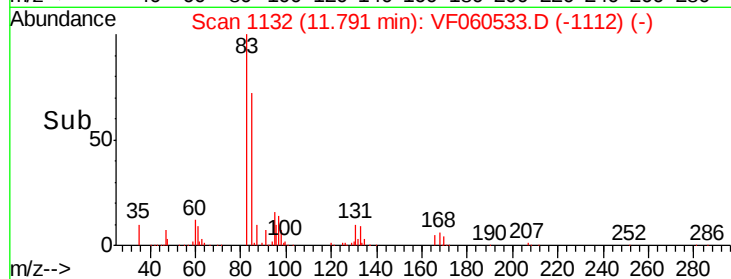
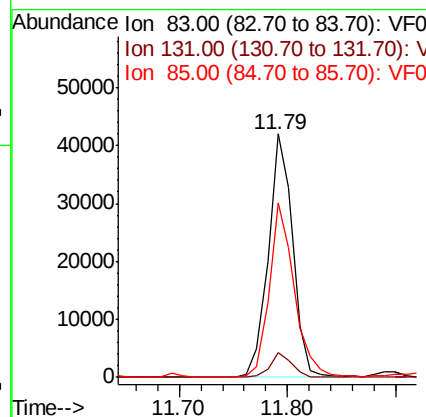
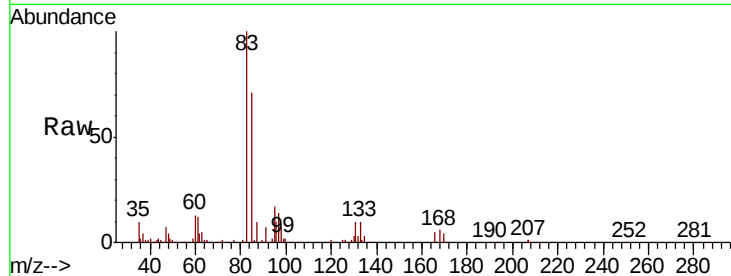
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	65741
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.7	14.0
85	71.5	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.459 ug/l

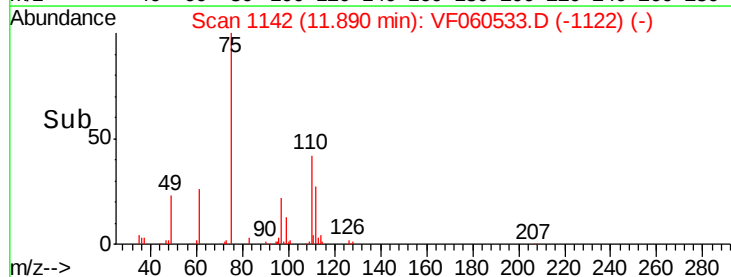
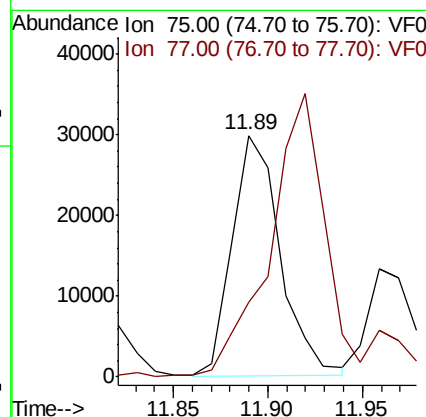
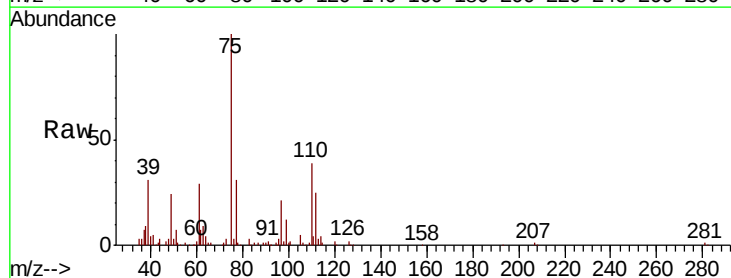
RT: 11.89 min Scan# 1142

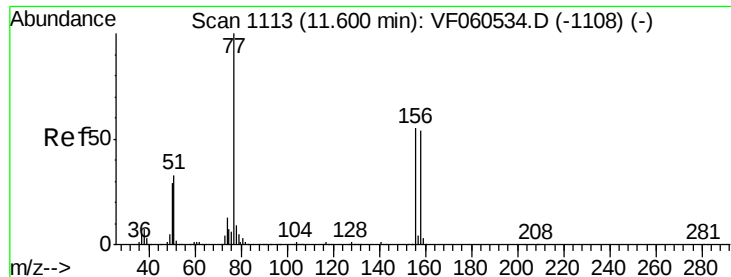
Delta R.T. -0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Tgt Ion:	75	Resp:	52493
Ion Ratio	Lower	Upper	
75	100		
77	30.8	16.7	50.1





#77

Bromobenzene

Concen: 21.345 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

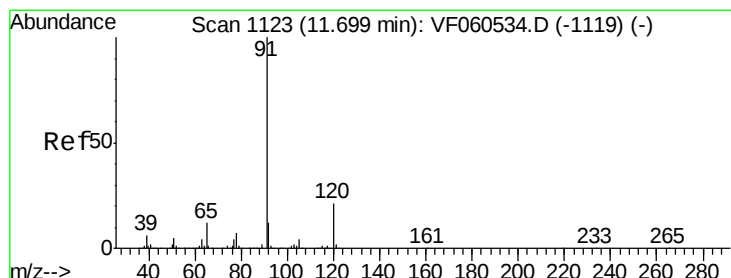
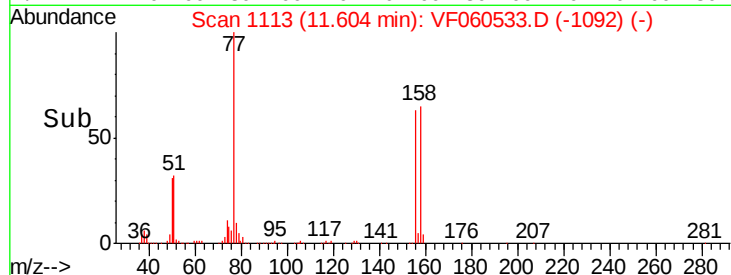
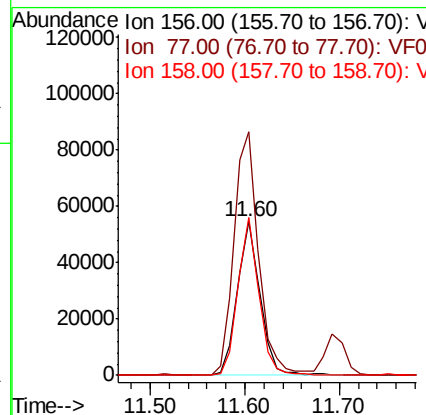
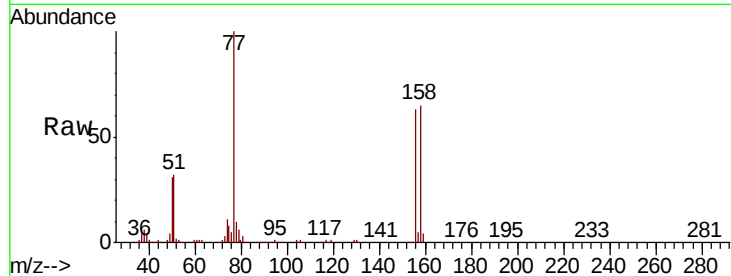
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.3	91.3	274.1
158	102.9	49.3	147.9

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#78

n-propylbenzene

Concen: 22.429 ug/l

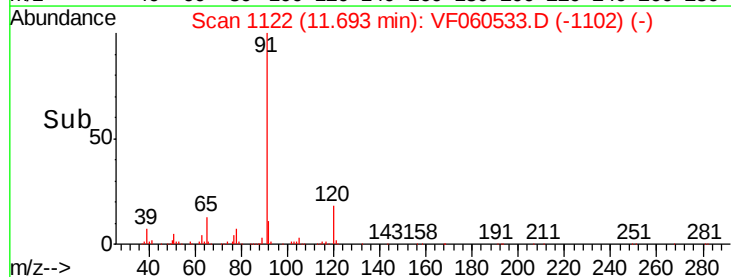
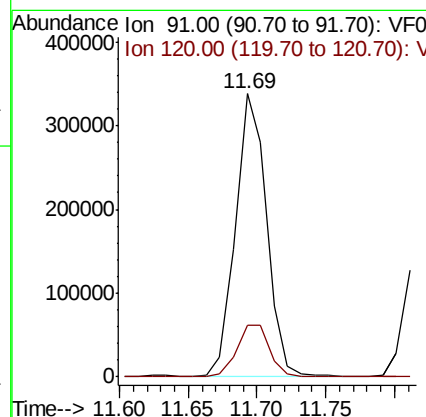
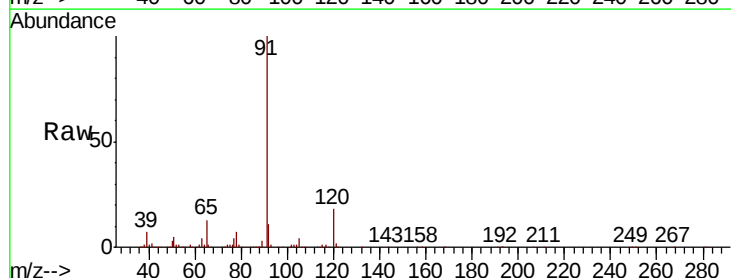
RT: 11.69 min Scan# 1122

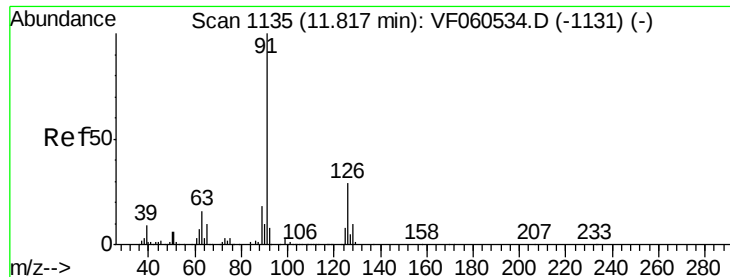
Delta R.T. -0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.4	10.7	32.1





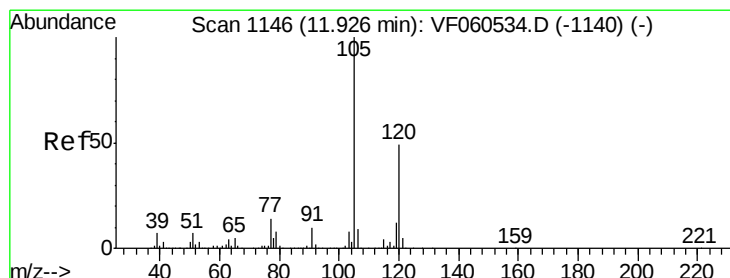
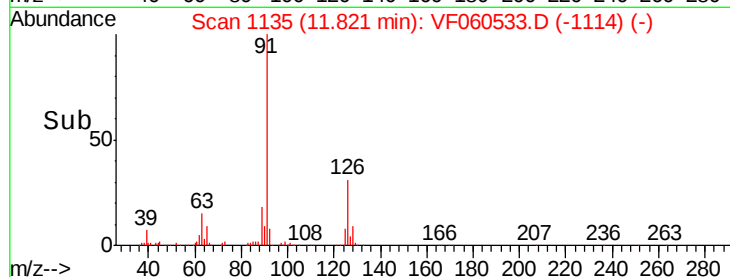
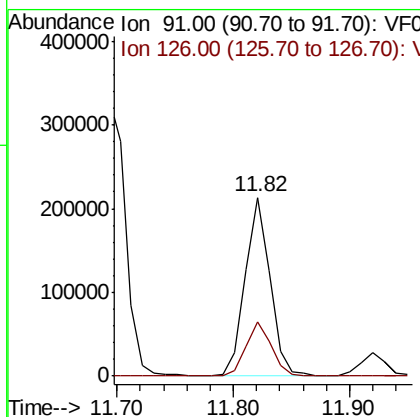
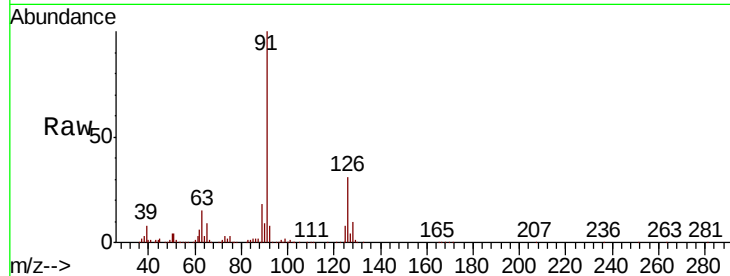
#79
 2-Chlorotoluene
 Concen: 21.868 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 314428
 Ion Ratio Lower Upper
 91 100
 126 30.6 14.2 42.8

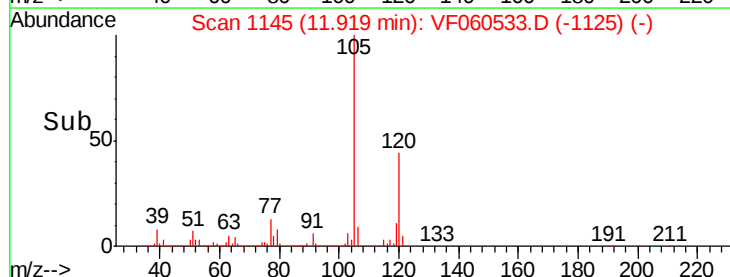
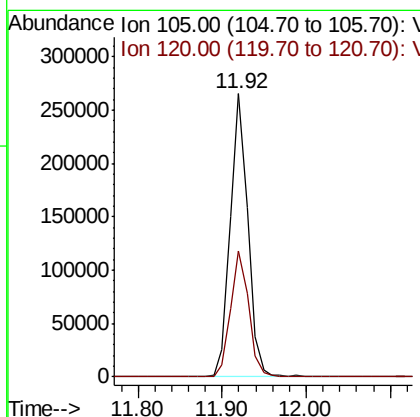
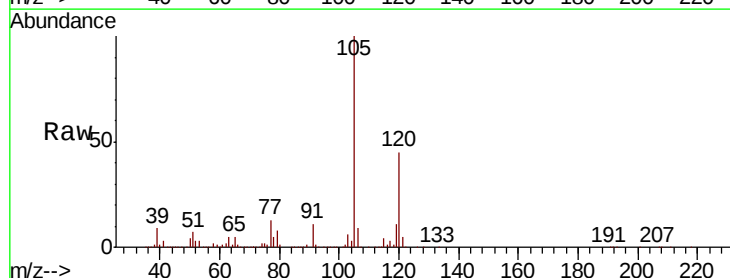
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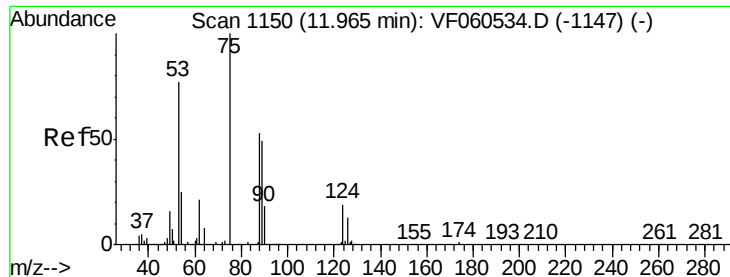
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.679 ug/l
 RT: 11.92 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Tgt Ion: 105 Resp: 386180
 Ion Ratio Lower Upper
 105 100
 120 44.7 24.3 73.0





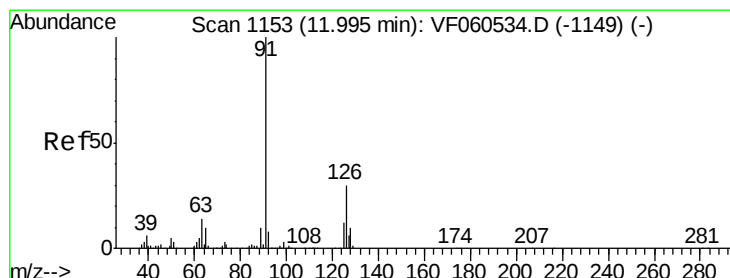
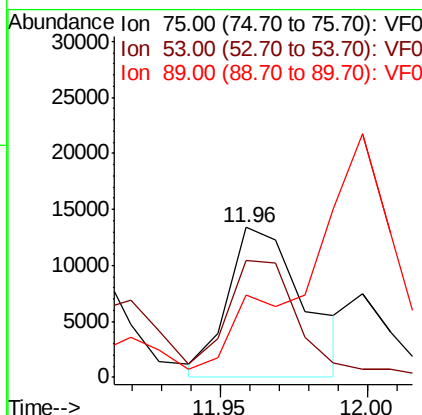
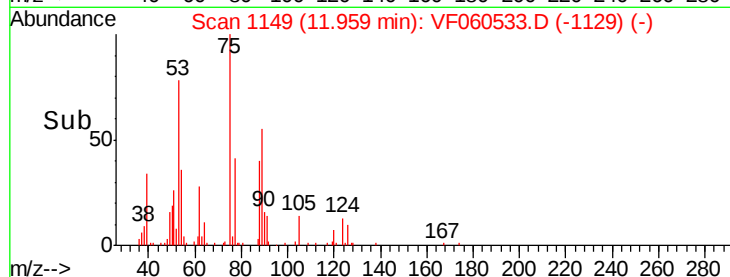
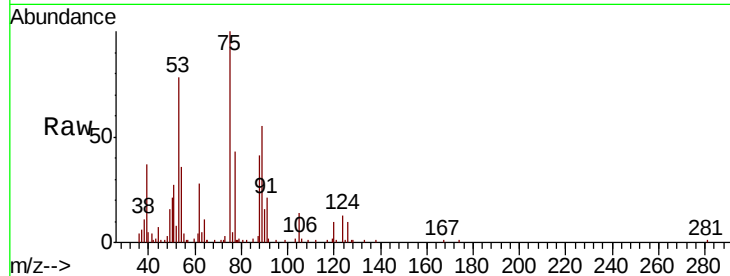
#81
trans-1,4-Dichloro-2-butene
Concen: 22.488 ug/l m
RT: 11.96 min Scan# 1149
Delta R.T. -0.01 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	77.9	65.8	98.6
89	55.1	44.0	66.0

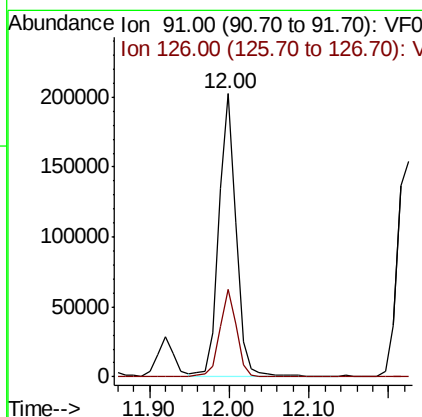
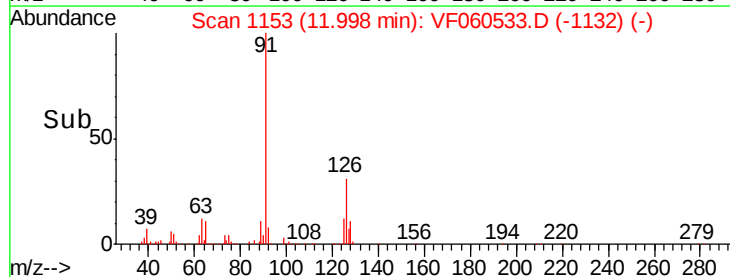
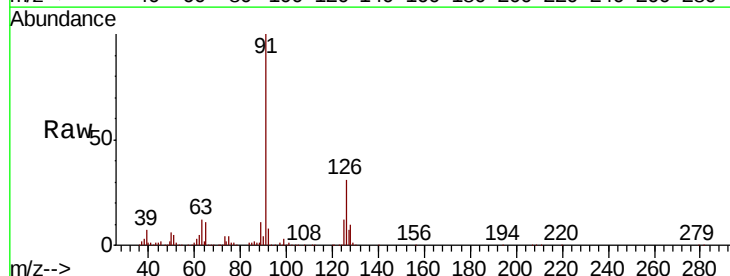
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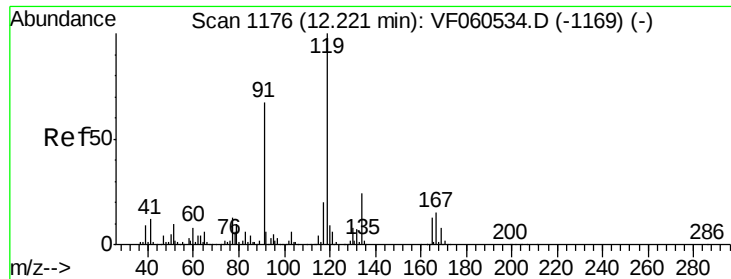
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#82
4-Chlorotoluene
Concen: 20.274 ug/l
RT: 12.00 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.1	45.3





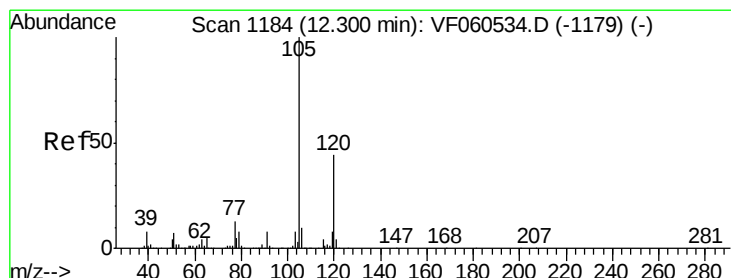
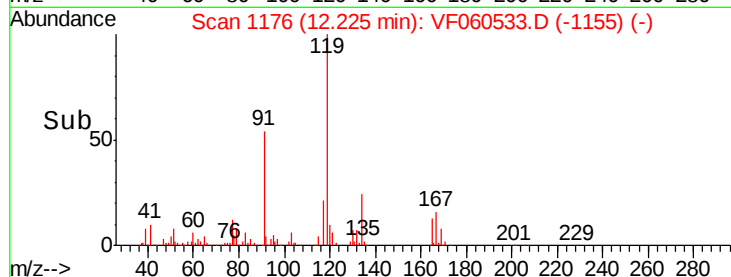
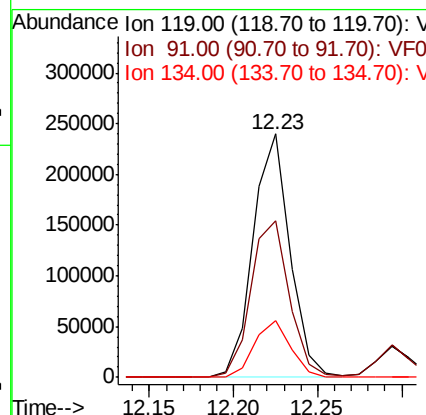
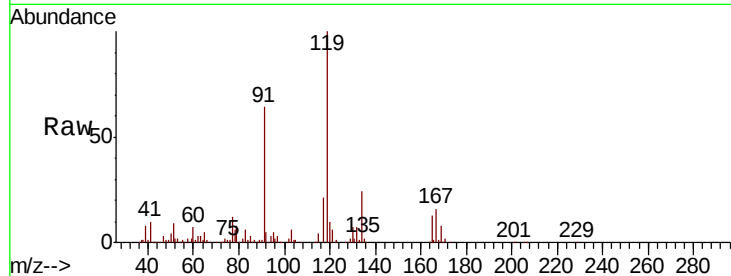
#83
 tert-Butylbenzene
 Concen: 20.548 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	33.6	100.8
134	23.5	12.0	36.0

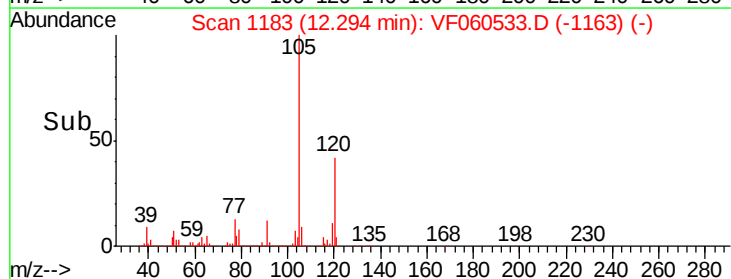
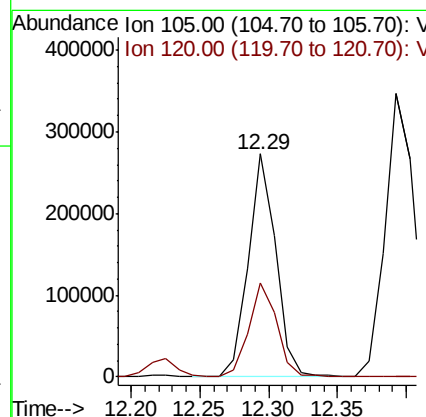
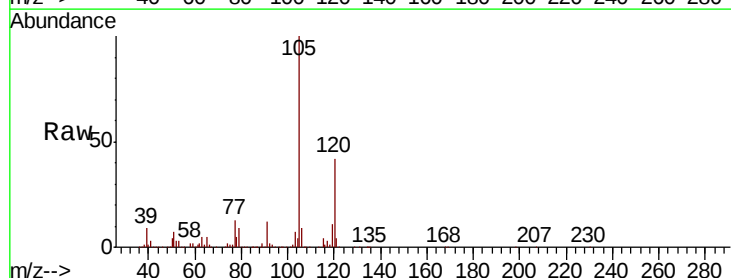
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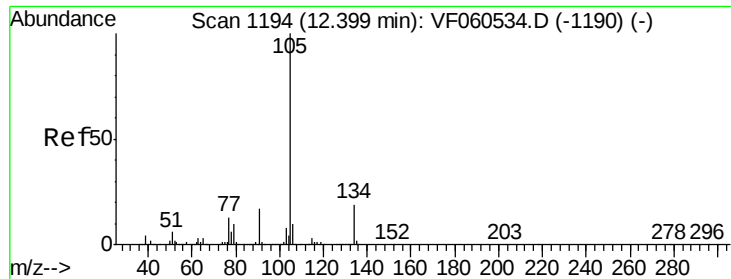
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.639 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.4	22.0	66.0





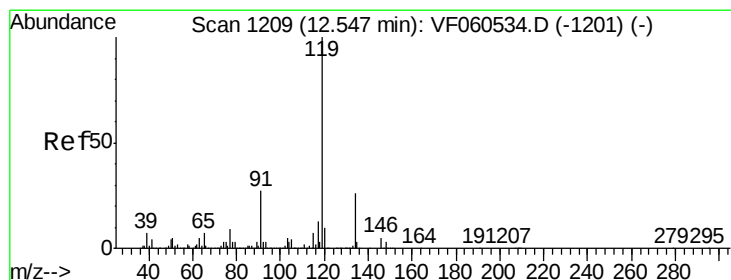
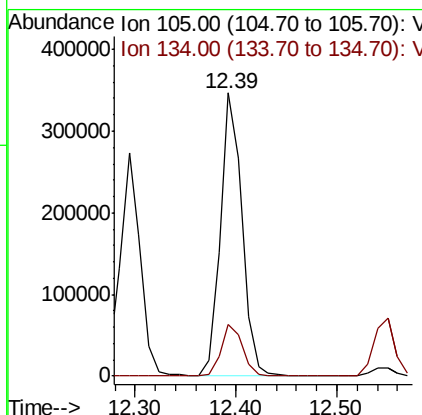
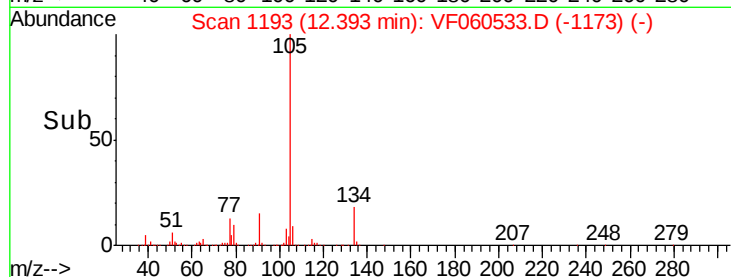
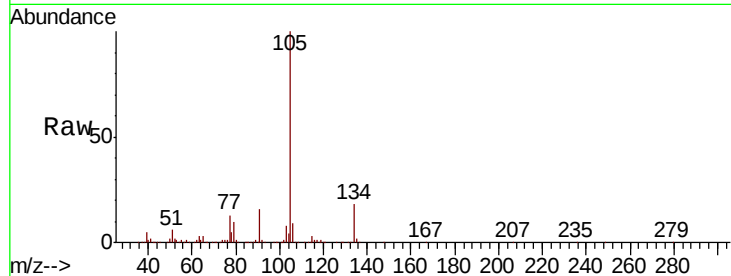
#85
 sec-Butylbenzene
 Concen: 21.492 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	517728		
134	18.1	9.6	28.6	

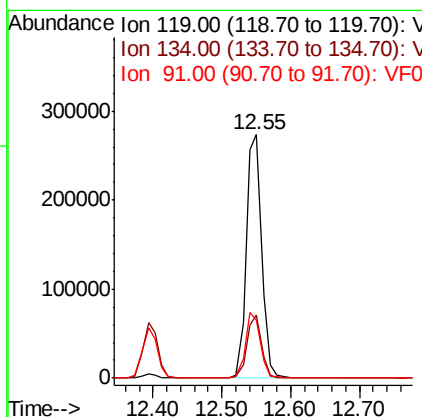
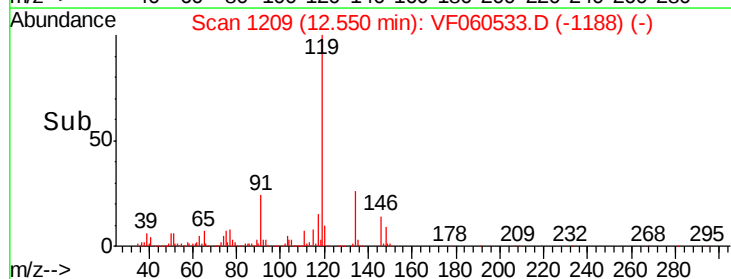
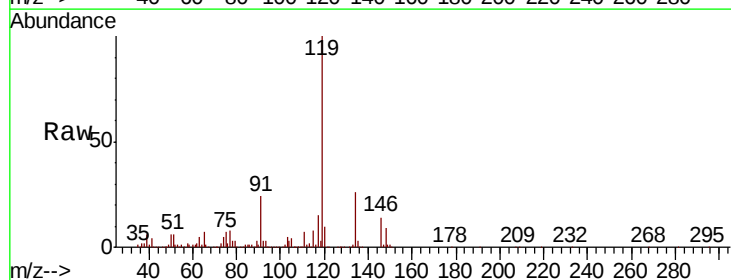
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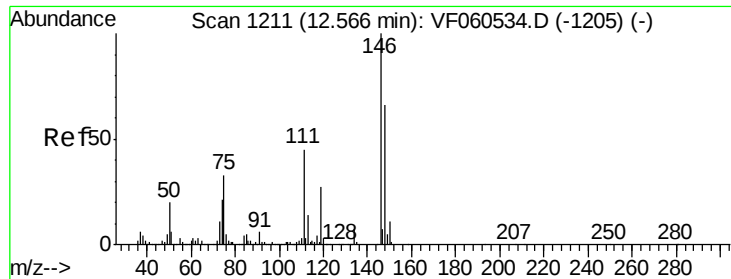
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#86
 p-Isopropyltoluene
 Concen: 20.734 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	422387		
134	25.9	13.1	39.1	
91	24.0	13.5	40.4	





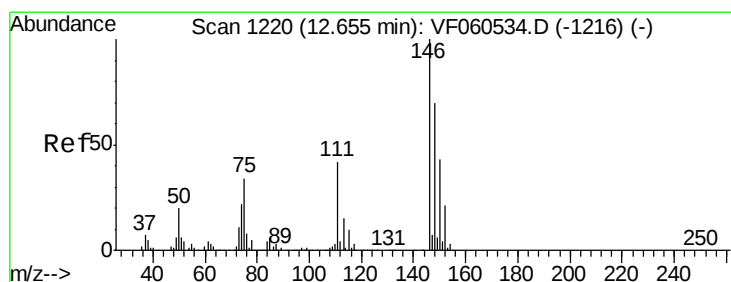
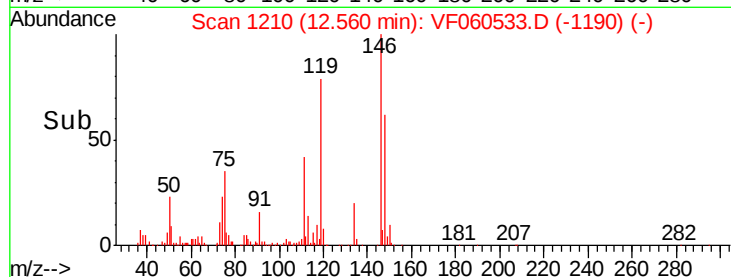
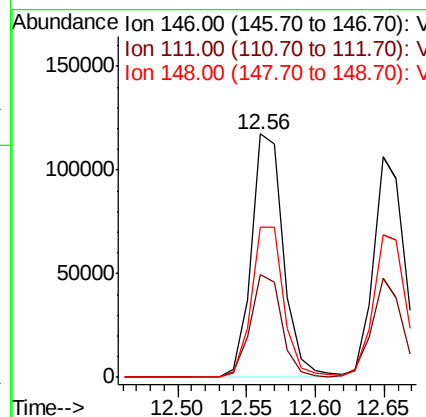
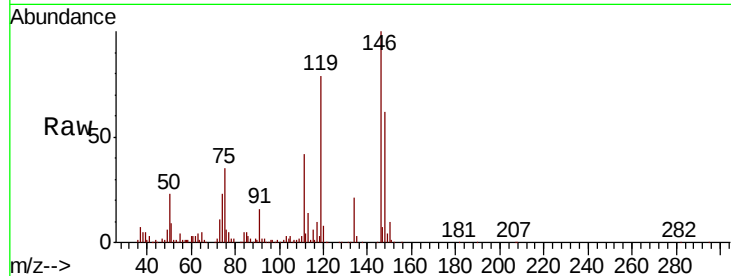
#87
 1,3-Dichlorobenzene
 Concen: 22.230 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.6	67.7
148	61.8	33.1	99.3

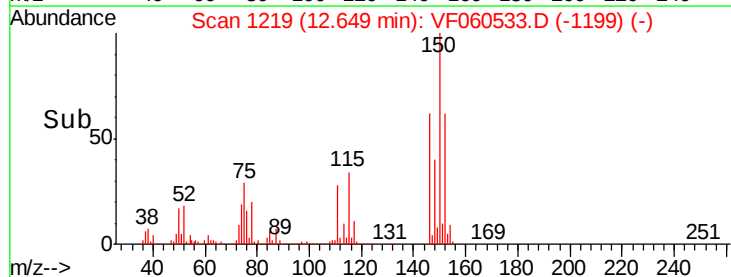
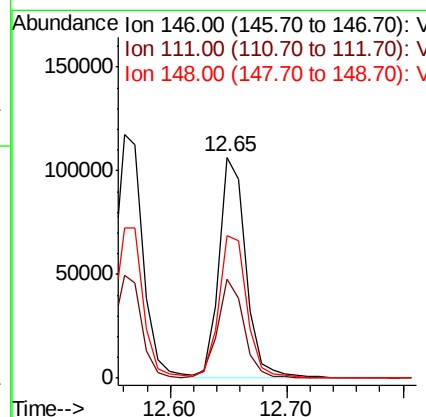
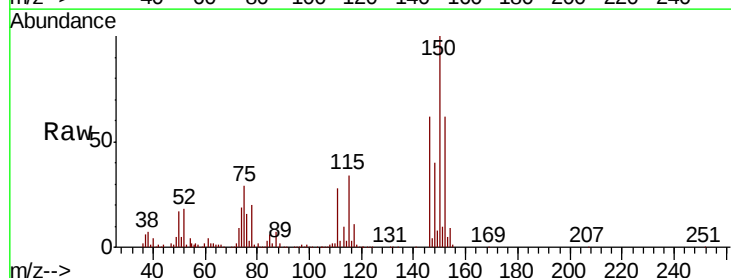
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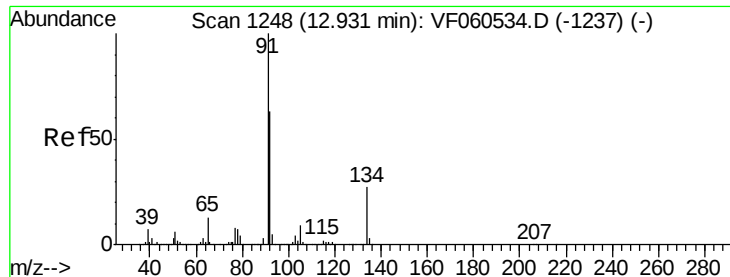
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#88
 1,4-Dichlorobenzene
 Concen: 20.301 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.2	63.6
148	64.3	35.1	105.5





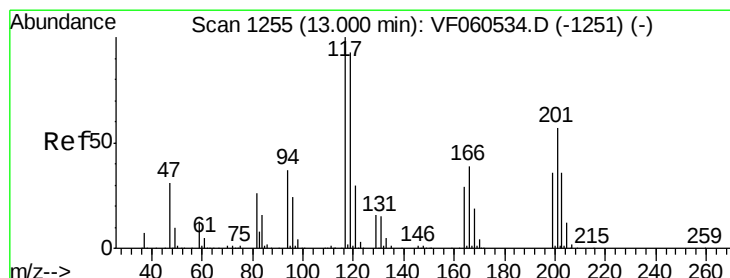
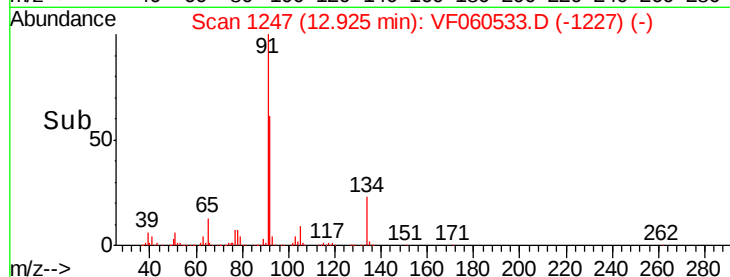
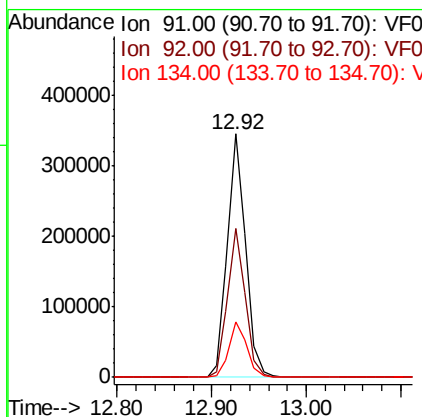
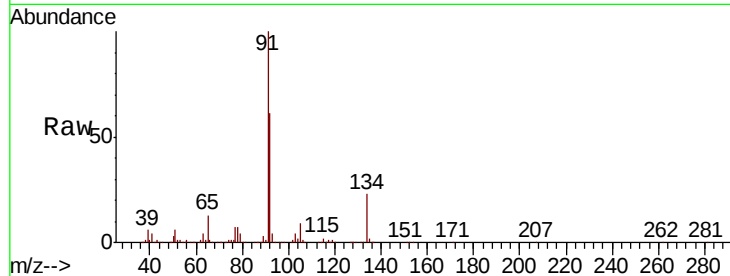
#89
n-Butylbenzene
Concen: 21.294 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.1	31.3	93.9
134	22.9	13.3	39.8

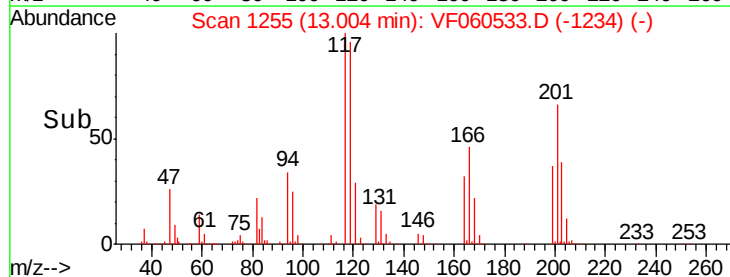
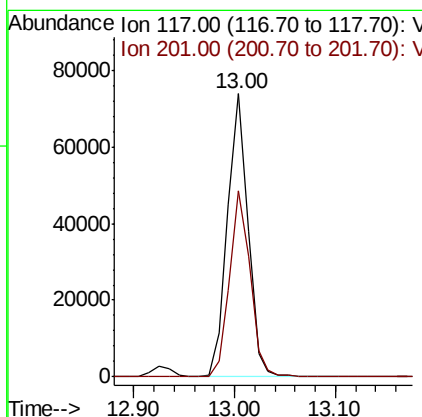
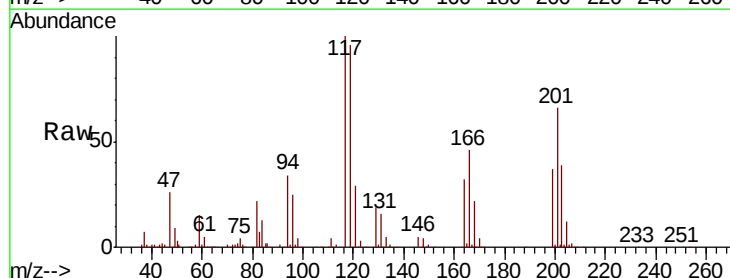
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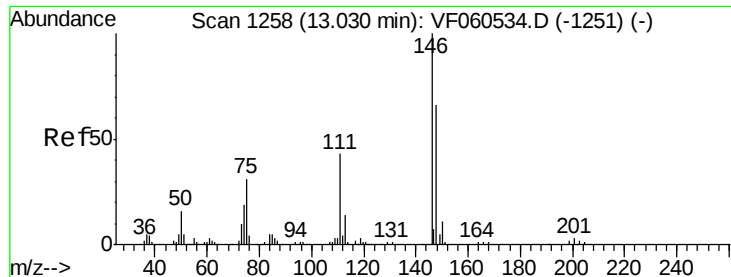
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#90
Hexachloroethane
Concen: 19.689 ug/l
RT: 13.00 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.6	28.2	84.7





#91

1,2-Dichlorobenzene

Concen: 20.943 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_F

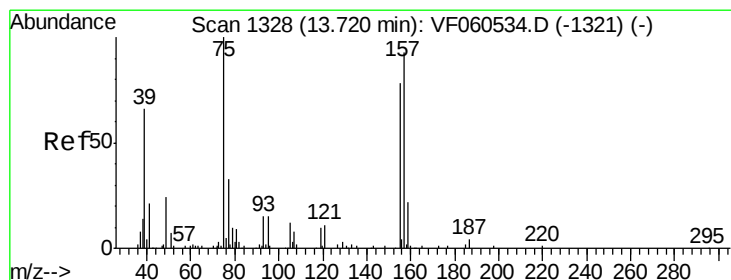
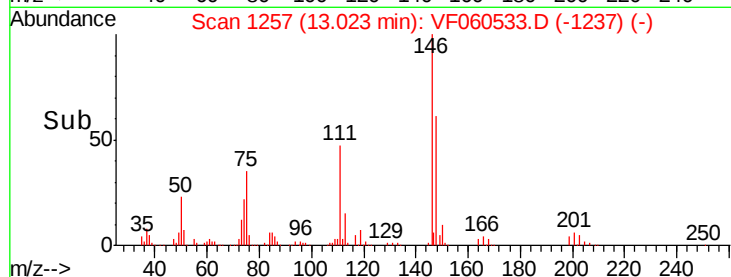
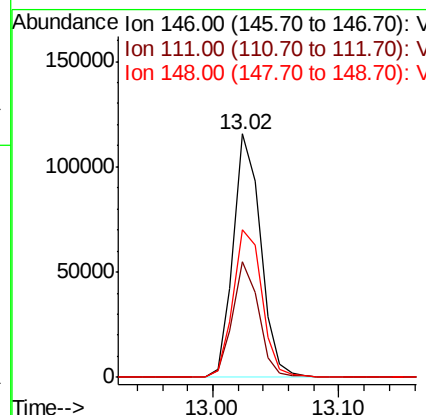
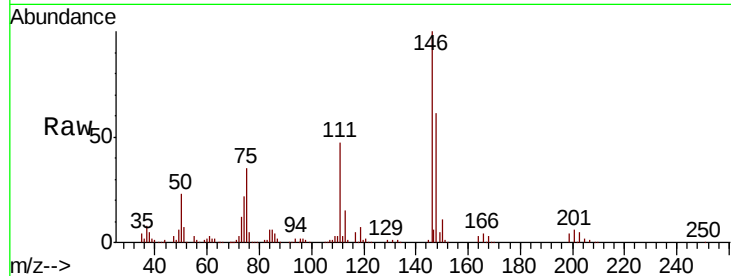
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	173955
Ion Ratio	Lower	Upper	
146	100		
111	47.3	21.5	64.5
148	60.7	33.1	99.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.148 ug/l

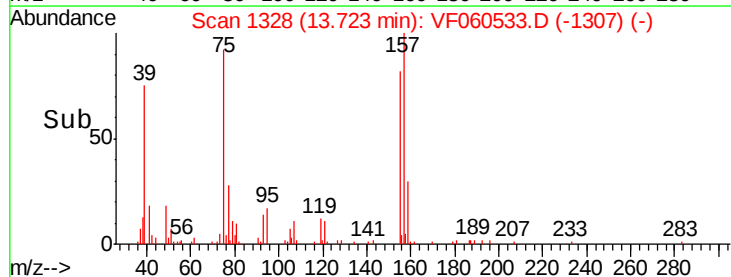
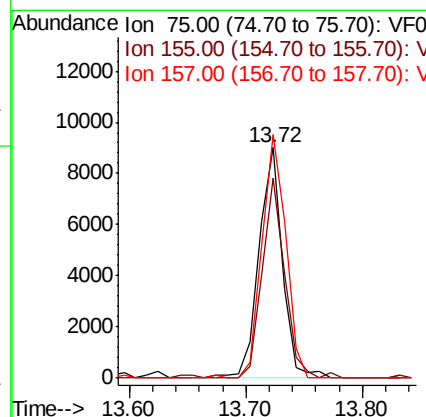
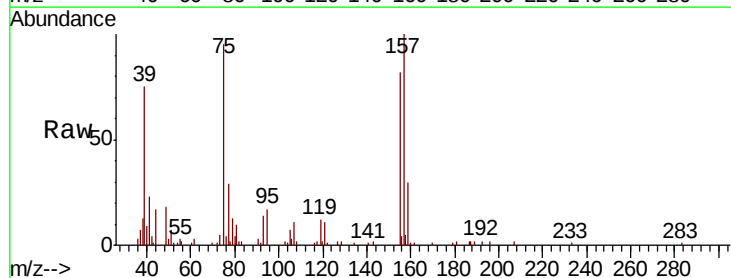
RT: 13.72 min Scan# 1328

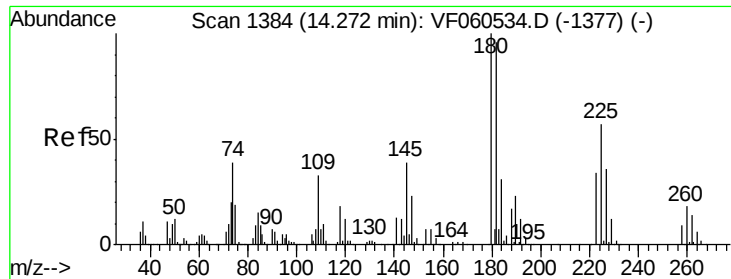
Delta R.T. 0.00 min

Lab File: VF060533.D

Acq: 29 Oct 2018 17:24

Tgt Ion:	75	Resp:	12578
Ion Ratio	Lower	Upper	
75	100		
155	86.6	40.8	122.5
157	105.6	46.5	139.5





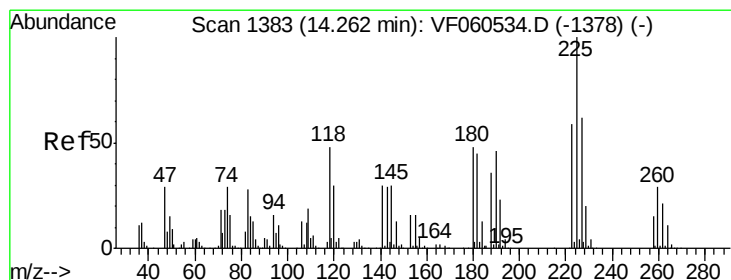
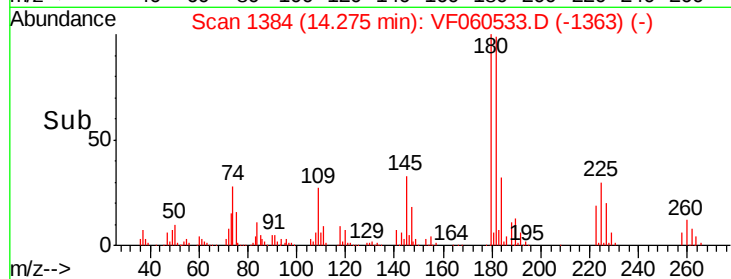
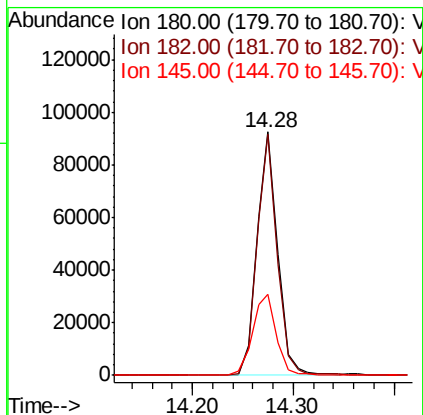
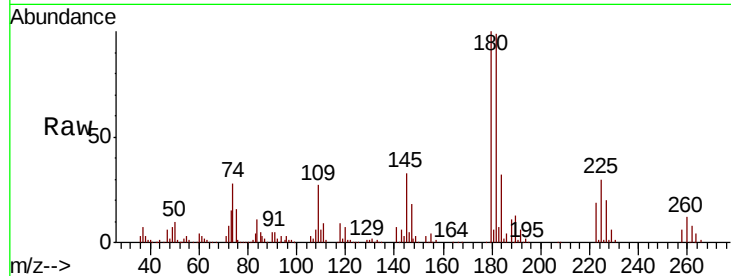
#93
 1,2,4-Trichlorobenzene
 Concen: 19.923 ug/l
 RT: 14.28 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132445		
182	99.0	48.1	144.3	
145	33.4	19.5	58.5	

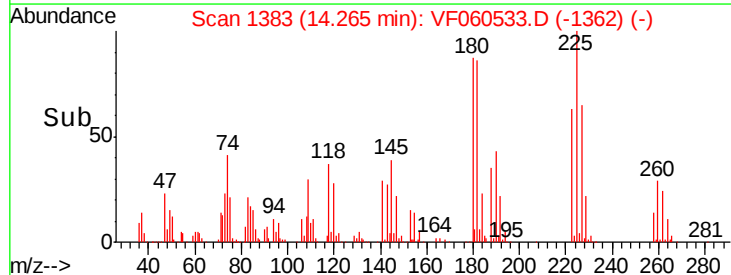
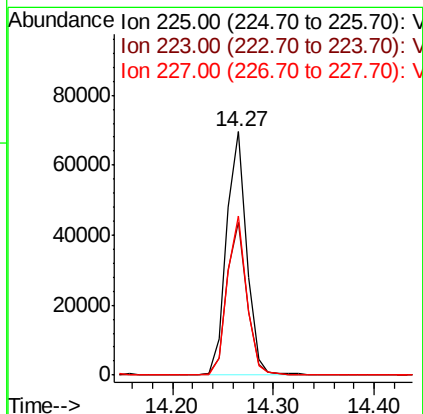
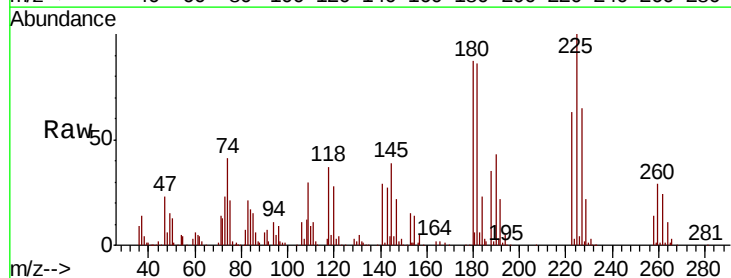
Manual Integrations
 APPROVED

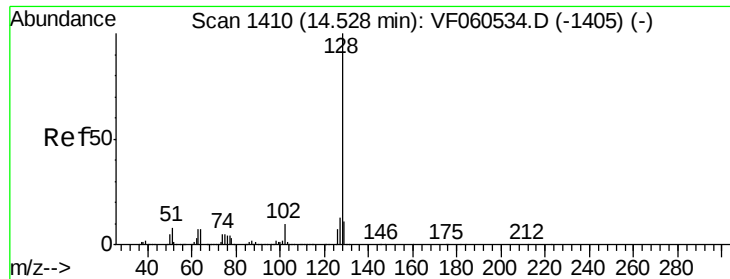
apatel
 10/30/2018 2:07:18 PM



#94
 Hexachlorobutadiene
 Concen: 19.715 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060533.D
 Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96580		
223	62.7	29.5	88.5	
227	65.2	31.3	93.8	





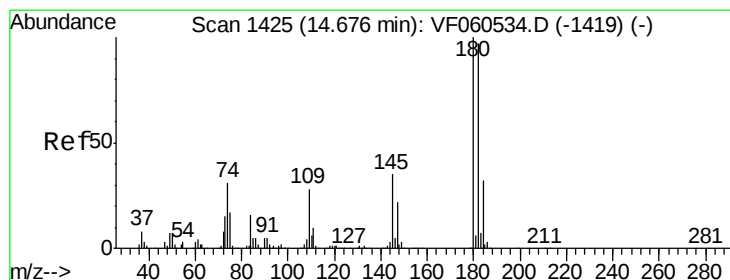
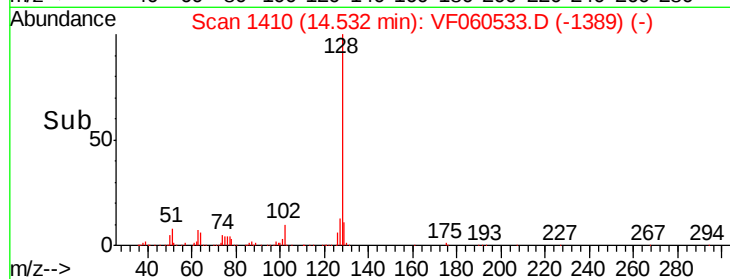
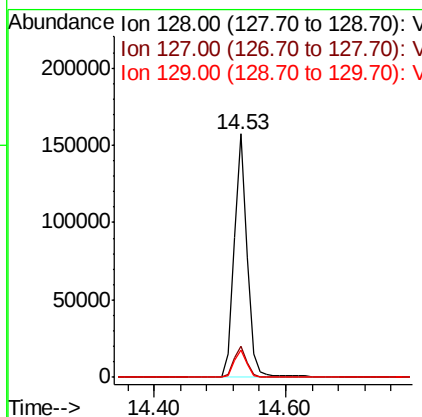
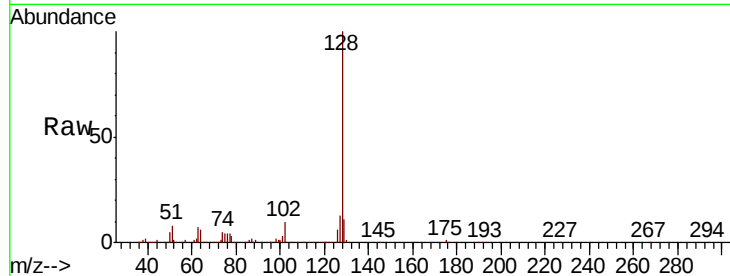
#95
Naphthalene
Concen: 20.462 ug/l
RT: 14.53 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	218697		
127	12.9		10.1	15.1
129	11.4		8.7	13.1

Manual Integrations
APPROVED

apatel
10/30/2018 2:07:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.819 ug/l
RT: 14.68 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VF060533.D
Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	127494		
182	99.0		48.7	146.1
145	33.3		17.3	52.0

