

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060277.D
 Acq On : 19 Sep 2018 12:50
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:40:01 AM

Quant Time: Sep 20 02:26:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:18:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	260090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	439783	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	392132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	208438	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	19825	5.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.32%	
35) Dibromofluoromethane	4.28	113	21268	5.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.86%	
50) Toluene-d8	7.70	98	57168	5.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.20%	
62) 4-Bromofluorobenzene	11.50	95	28670	6.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	27335	5.92	ug/l	97
3) Chloromethane	1.12	50	20319m	5.80	ug/l	
4) Vinyl Chloride	1.17	62	21127	5.85	ug/l	98
5) Bromomethane	1.36	94	15112	6.24	ug/l	93
6) Chloroethane	1.42	64	10542	6.13	ug/l #	71
7) Trichlorofluoromethane	1.53	101	38140	5.67	ug/l	96
8) Diethyl Ether	1.69	74	6791	6.07	ug/l	59
9) 1,1,2-Trichlorotrifluoroet	1.88	101	21203	5.92	ug/l	92
10) Methyl Iodide	1.96	142	33270	5.77	ug/l #	79
11) Tert butyl alcohol	2.68	59	6167	27.62	ug/l #	42
12) 1,1-Dichloroethene	1.85	96	17183	5.81	ug/l #	68
13) Acrolein	2.08	56	5170	47.38	ug/l #	68
14) Allyl chloride	2.18	41	27762	5.38	ug/l	96
15) Acrylonitrile	3.06	53	14529	29.37	ug/l #	93
16) Acetone	2.33	43	29635	30.05	ug/l	95
17) Carbon Disulfide	1.87	76	53793	6.02	ug/l	100
18) Methyl Acetate	2.44	43	10186	6.20	ug/l	93
19) Methyl tert-butyl Ether	2.53	73	42389	5.74	ug/l #	87
20) Methylene Chloride	2.28	84	27279m	7.78	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	18218	5.96	ug/l	92
22) Diisopropyl ether	2.92	45	54321	5.57	ug/l #	92
23) Vinyl Acetate	3.32	43	106059	27.71	ug/l	99
24) 1,1-Dichloroethane	2.99	63	37860	5.99	ug/l	98
25) 2-Butanone	4.50	43	36156	27.24	ug/l	96
26) 2,2-Dichloropropane	3.74	77	21117	5.86	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	21754	5.42	ug/l	85
28) Bromochloromethane	3.87	49	14472	5.88	ug/l	89
29) Tetrahydrofuran	4.25	42	14817	30.48	ug/l	98
30) Chloroform	4.02	83	41108	5.39	ug/l	96
31) Cyclohexane	3.85	56	31241	5.85	ug/l	86
32) 1,1,1-Trichloroethane	4.27	97	32775	5.45	ug/l	96
36) 1,1-Dichloropropene	4.44	75	27565	5.02	ug/l	98
37) Ethyl Acetate	4.28	43	12809	5.52	ug/l #	70
38) Carbon Tetrachloride	4.16	117	31380	5.01	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	34248	5.76	ug/l	93
40) Benzene	4.80	78	68269	5.49	ug/l #	89
41) Methacrylonitrile	4.91	41	7762	6.16	ug/l #	88
42) 1,2-Dichloroethane	5.11	62	23427	5.12	ug/l	98
43) Isopropyl Acetate	7.11	43	15987	5.72	ug/l #	94
44) Trichloroethene	5.67	130	20381	5.51	ug/l	93
45) 1,2-Dichloropropane	6.40	63	18415	5.72	ug/l	93
46) Dibromomethane	6.24	93	11839	5.14	ug/l #	85
47) Bromodichloromethane	6.54	83	29933	5.41	ug/l	99
48) Methyl methacrylate	6.87	41	11584	5.91	ug/l	93
49) 1,4-Dioxane	6.86	88	1916	109.33	ug/l #	57
51) 4-Methyl-2-Pentanone	8.40	43	55817	25.92	ug/l	89
52) Toluene	7.77	92	46396	5.90	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	24770	5.55	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	29599	5.27	ug/l #	87
55) 1,1,2-Trichloroethane	8.62	97	12421	5.20	ug/l #	85
56) Ethyl methacrylate	8.75	69	15652	5.43	ug/l #	85
57) 1,3-Dichloropropane	8.99	76	21059	5.33	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	7537	29.56	ug/l	100
59) 2-Hexanone	9.62	43	41963	27.36	ug/l	91
60) Dibromochloromethane	8.86	129	18677	5.25	ug/l	97
61) 1,2-Dibromoethane	9.13	107	14182	5.33	ug/l	90
64) Tetrachloroethene	8.30	164	19915	5.60	ug/l	94
65) Chlorobenzene	9.94	112	48474	5.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	19843	5.38	ug/l	92
67) Ethyl Benzene	10.03	91	93527	5.69	ug/l	98
68) m/p-Xylenes	10.26	106	65140	11.47	ug/l	91
69) o-Xylene	10.82	106	34592	5.43	ug/l	95
70) Styrene	10.90	104	50180	5.59	ug/l	95
71) Bromoform	10.88	173	9745	4.81	ug/l #	99
73) Isopropylbenzene	11.23	105	105115	5.62	ug/l	98
74) N-amyl acetate	11.46	43	20600	5.16	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	16856	5.08	ug/l	84
76) 1,2,3-Trichloropropane	11.89	75	13942	5.87	ug/l	92
77) Bromobenzene	11.59	156	22872	5.67	ug/l	95
78) n-propylbenzene	11.68	91	131375	5.95	ug/l	96
79) 2-Chlorotoluene	11.81	91	69303	5.49	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	85195	5.66	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	6869m	4.49	ug/l	
82) 4-Chlorotoluene	11.99	91	70681	5.57	ug/l	97
83) tert-Butylbenzene	12.21	119	85794	5.62	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	89396	5.84	ug/l	97
85) sec-Butylbenzene	12.38	105	121430	5.74	ug/l	94
86) p-Isopropyltoluene	12.54	119	93058	5.56	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	42646	5.66	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	41377	5.56	ug/l	96
89) n-Butylbenzene	12.91	91	101867	5.76	ug/l	91
90) Hexachloroethane	12.99	117	22857	5.35	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	42107	5.86	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2992	4.81	ug/l	81

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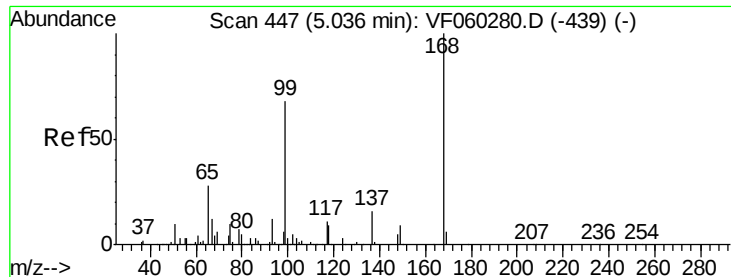
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	30504	5.84	ug/l	89
94) Hexachlorobutadiene	14.25	225	19254	5.45	ug/l	94
95) Naphthalene	14.52	128	47058	5.14	ug/l	95
96) 1,2,3-Trichlorobenzene	14.67	180	24702	5.12	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

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Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 260090

Ion Ratio Lower Upper

168 100

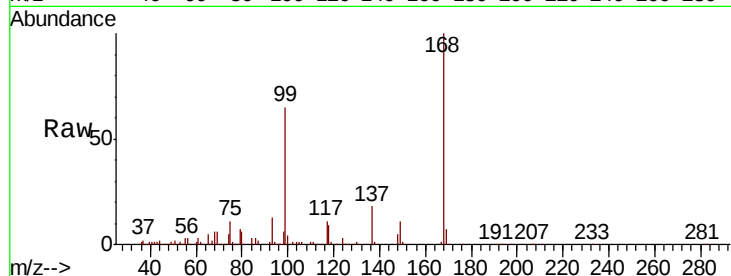
99 65.2 54.8 82.2

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

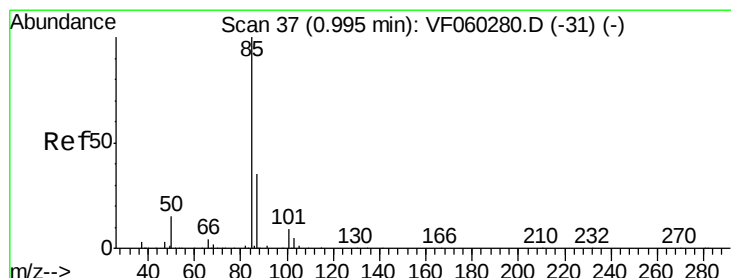
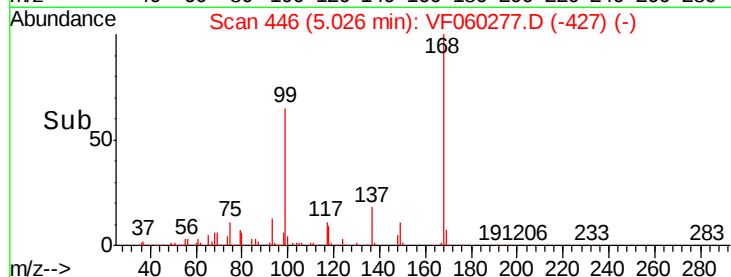
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 5.92 ug/l

RT: 0.98 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060277.D

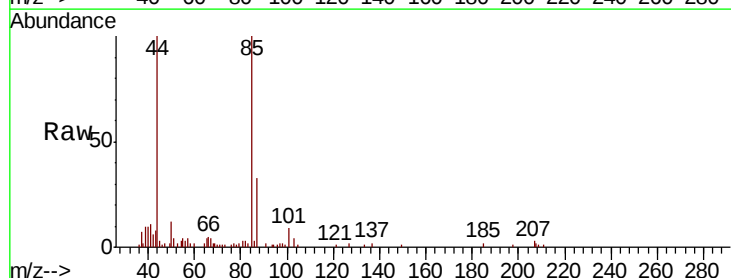
Acq: 19 Sep 2018 12:50

Tgt Ion: 85 Resp: 27335

Ion Ratio Lower Upper

85 100

87 32.9 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

12000

10000

8000

6000

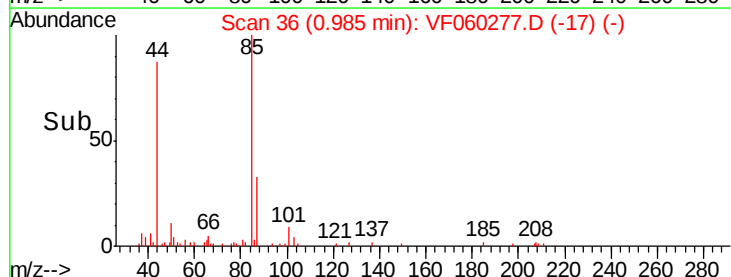
4000

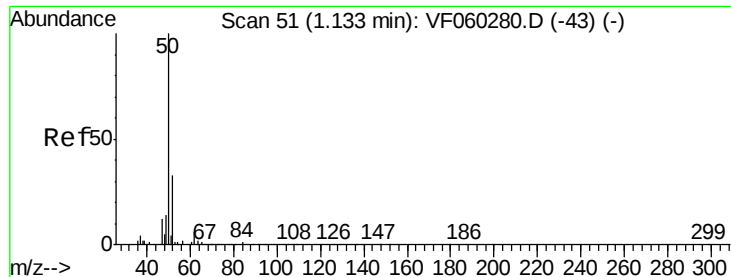
2000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 5.80 ug/l m

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 20319

Ion Ratio Lower Upper

50 100

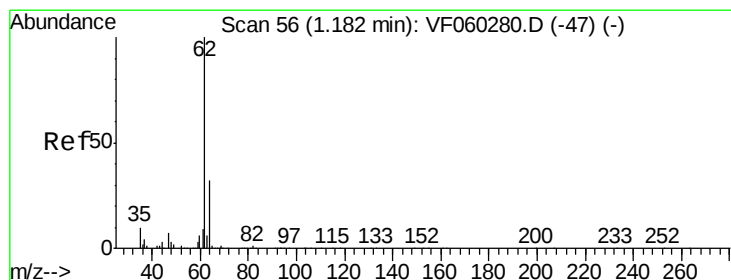
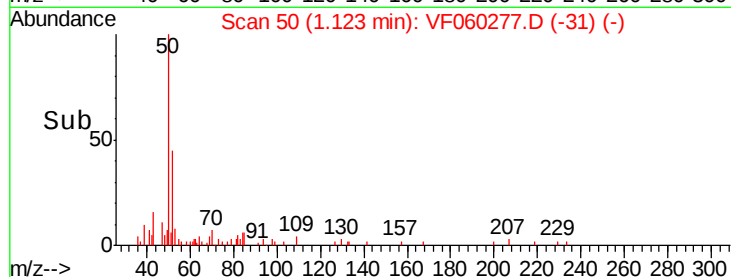
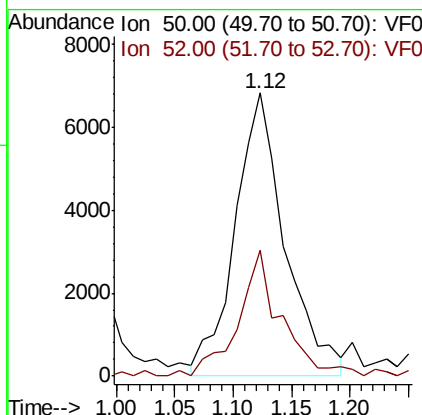
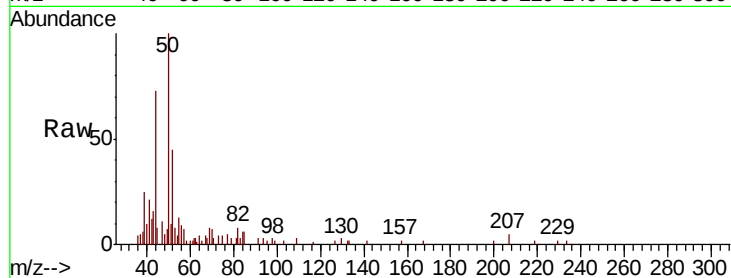
52 44.5 26.5 39.7#

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#4

Vinyl Chloride

Concen: 5.85 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060277.D

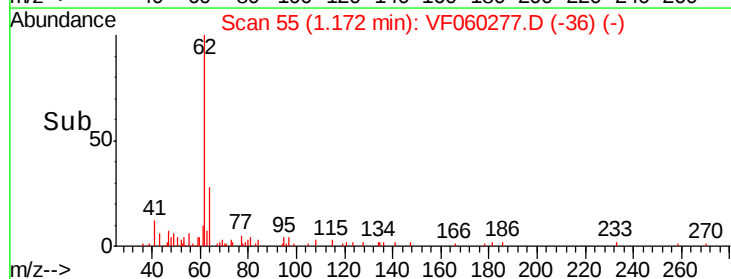
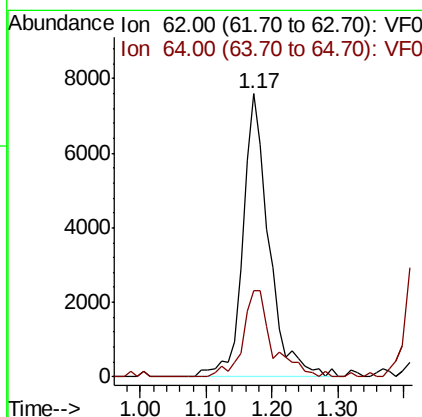
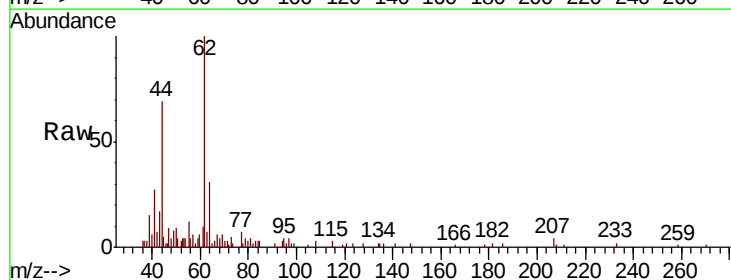
Acq: 19 Sep 2018 12:50

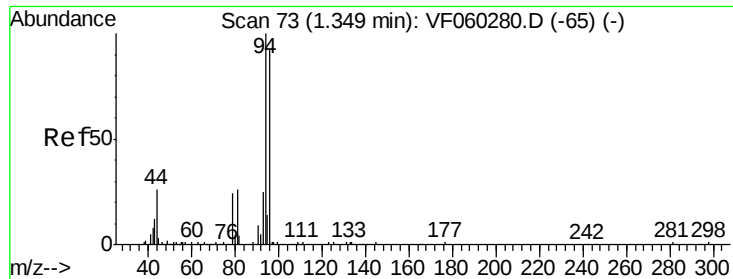
Tgt Ion: 62 Resp: 21127

Ion Ratio Lower Upper

62 100

64 30.5 25.2 37.8





#5

Bromomethane

Concen: 6.24 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

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VSTDIC005

Tot Ion: 94 Resp: 15112

Ion Ratio Lower Upper

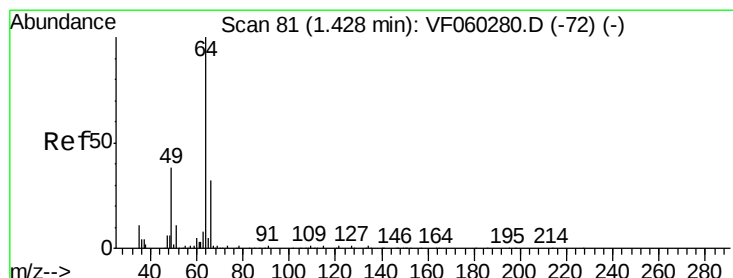
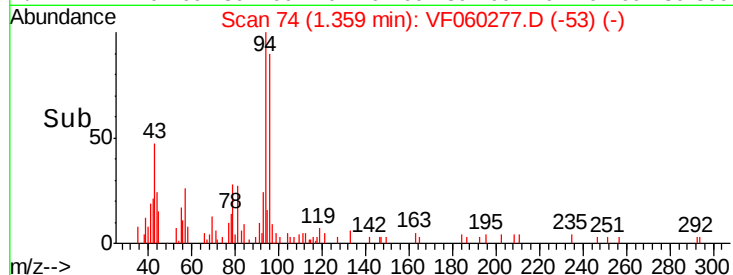
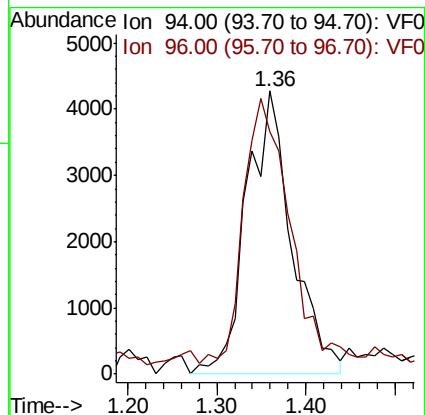
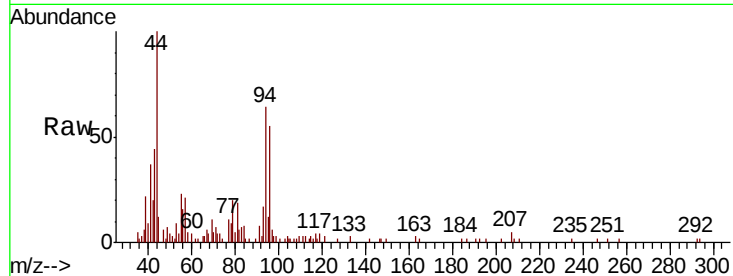
94 100

96 85.9 73.9 110.9

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#6

Chloroethane

Concen: 6.13 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060277.D

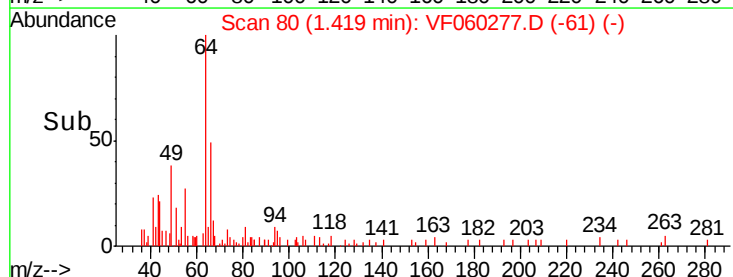
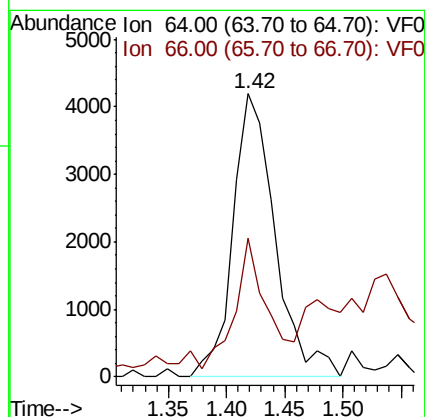
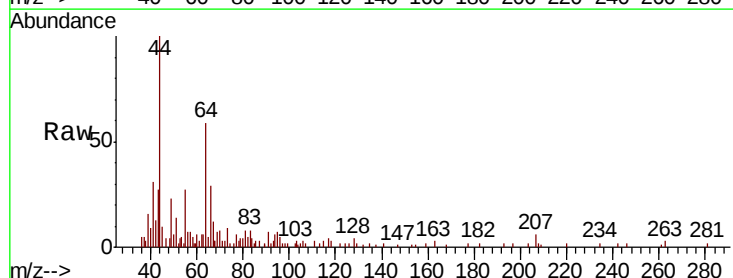
Acq: 19 Sep 2018 12:50

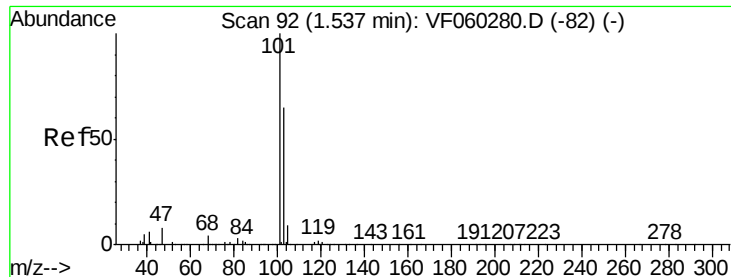
Tgt Ion: 64 Resp: 10542

Ion Ratio Lower Upper

64 100

66 49.2 26.2 39.2#





#7

Trichlorofluoromethane

Concen: 5.67 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

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Tot Ion:101 Resp: 38140

Ion Ratio Lower Upper

101 100

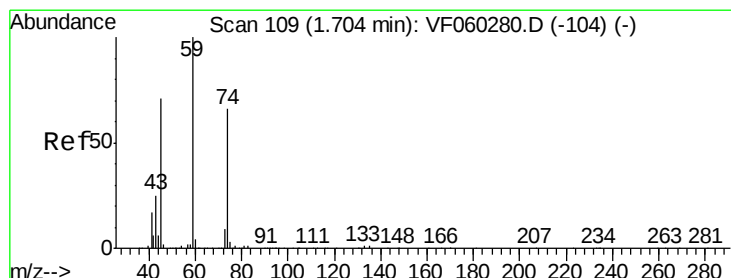
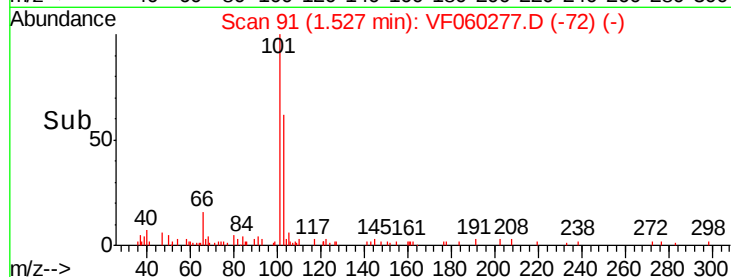
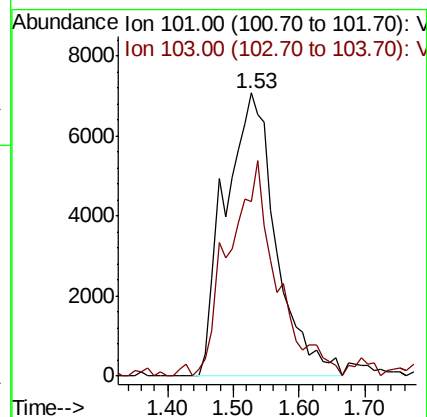
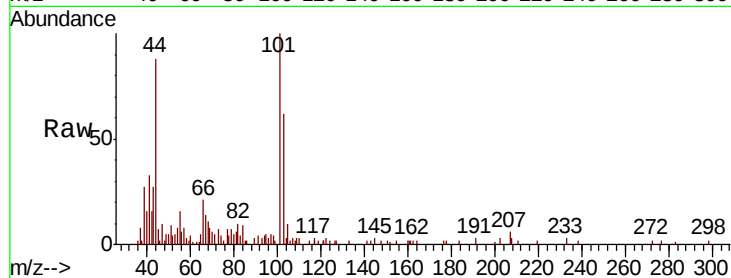
103 61.9 52.0 78.0

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#8

Diethyl Ether

Concen: 6.07 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060277.D

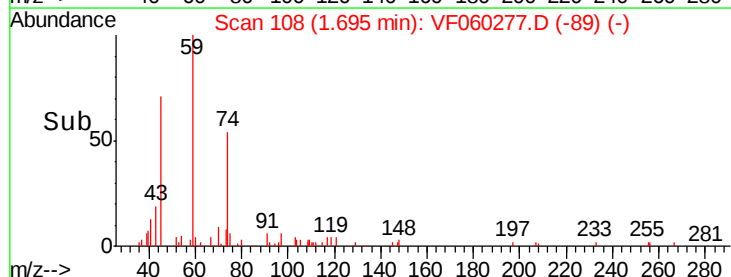
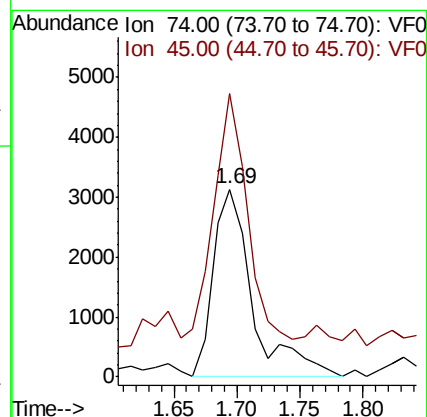
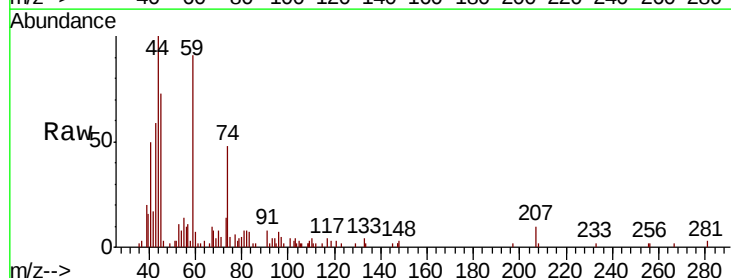
Acq: 19 Sep 2018 12:50

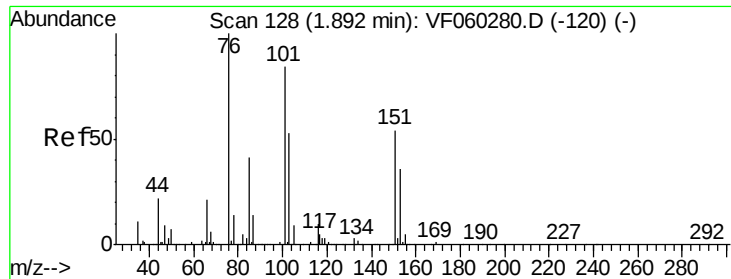
Tgt Ion: 74 Resp: 6791

Ion Ratio Lower Upper

74 100

45 150.8 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.92 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

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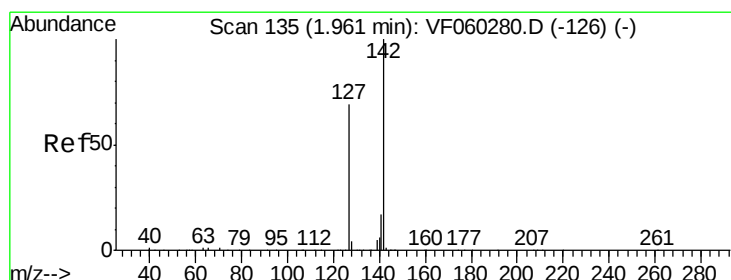
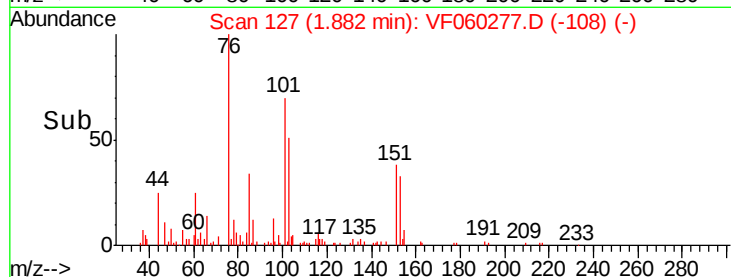
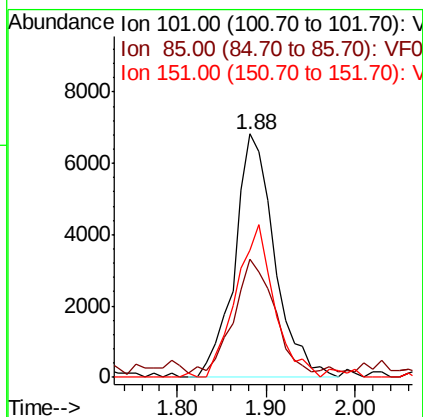
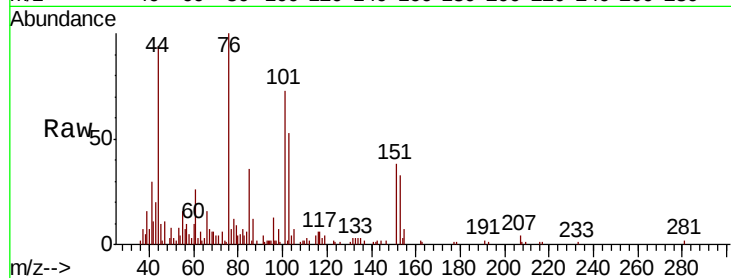
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	21203
Ion Ratio	Lower	Upper	
101	100		
85	48.7	38.7	58.1
151	52.4	50.8	76.2

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#10

Methyl Iodide

Concen: 5.77 ug/l

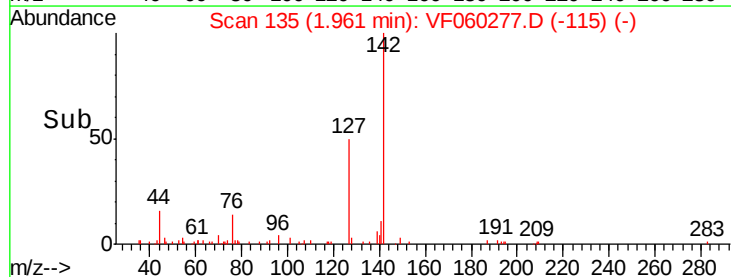
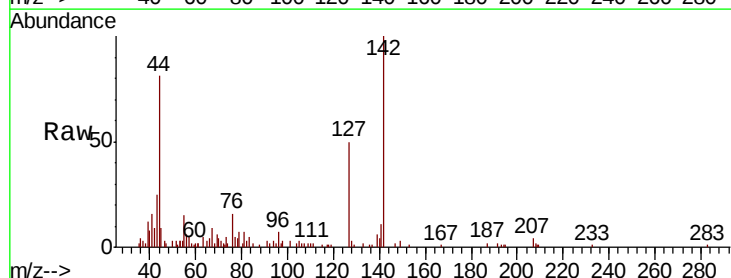
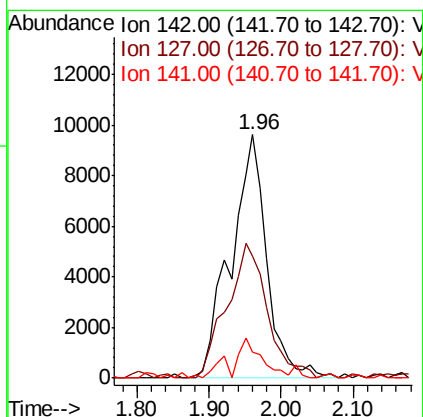
RT: 1.96 min Scan# 135

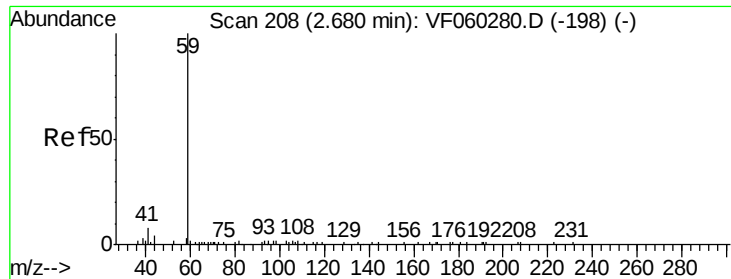
Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Tgt Ion:	142	Resp:	33270
Ion Ratio	Lower	Upper	
142	100		
127	50.2	55.4	83.0#
141	10.9	13.3	19.9#





#11

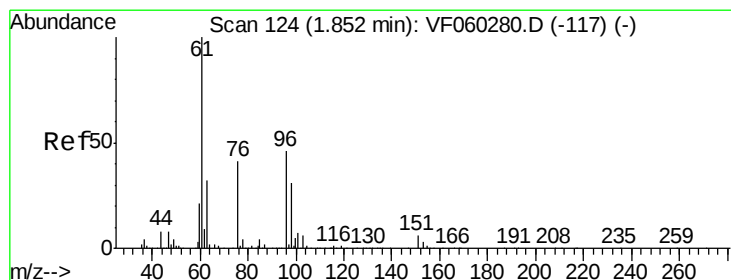
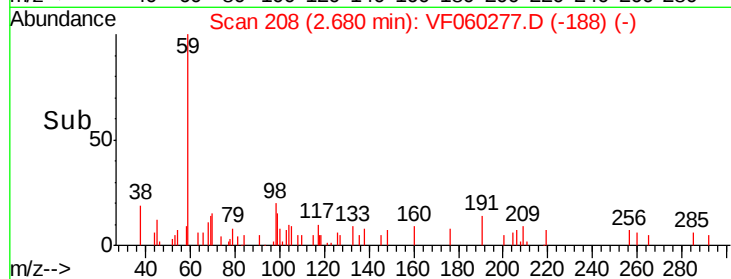
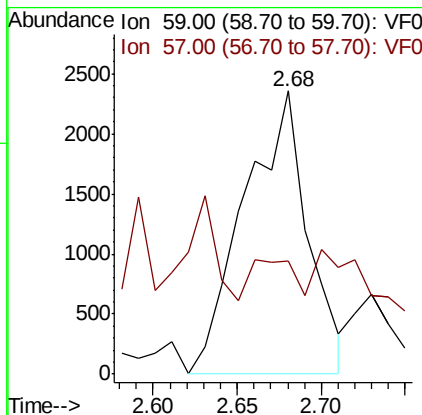
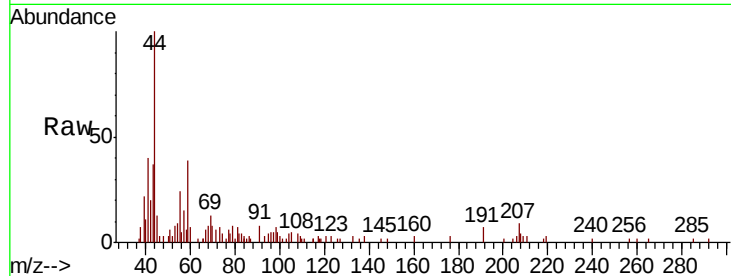
Tert butyl alcohol
 Concen: 27.62 ug/l
 RT: 2.68 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	39.8	12.4	18.6#

Manual Integrations
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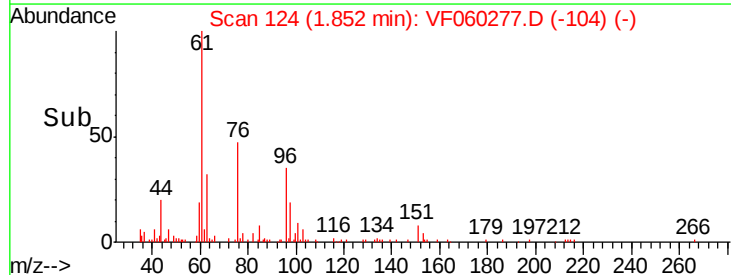
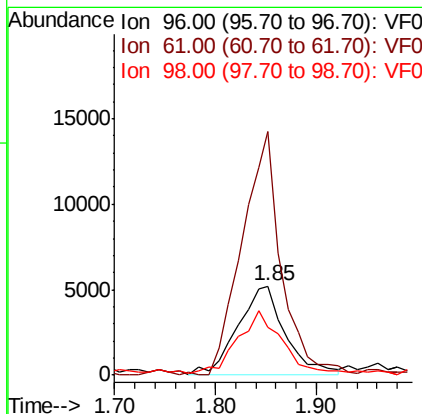
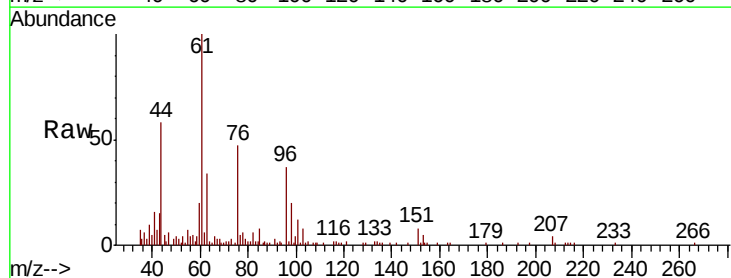
apatel
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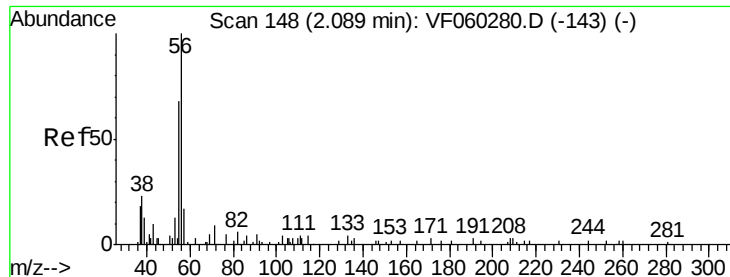


#12

1,1-Dichloroethene
 Concen: 5.81 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	273.1	172.2	258.2#
98	54.1	54.1	81.1





#13

Acrolein

Concen: 47.38 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5170

Ion Ratio Lower Upper

56 100

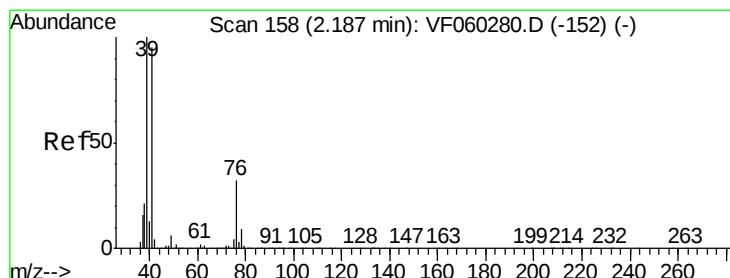
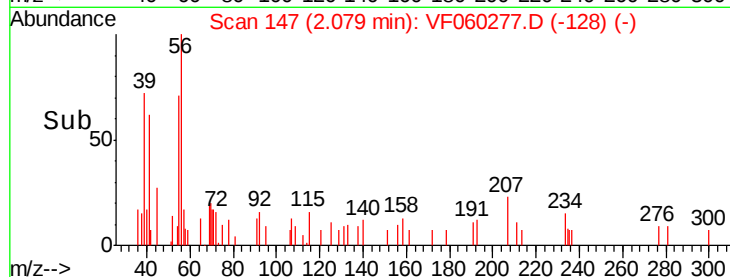
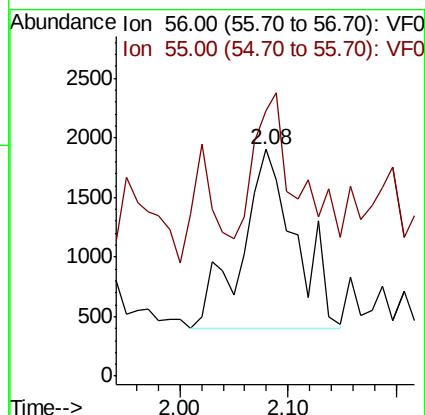
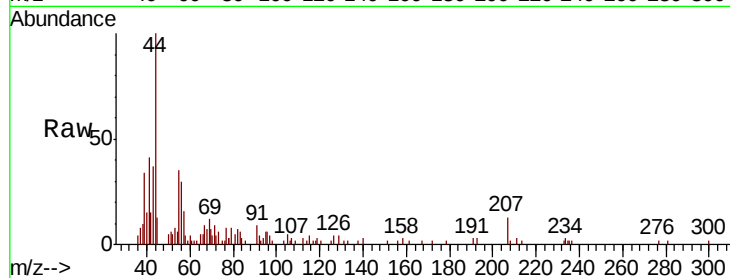
55 117.0 69.9 104.9#

Manual Integrations

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#14

Allyl chloride

Concen: 5.38 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

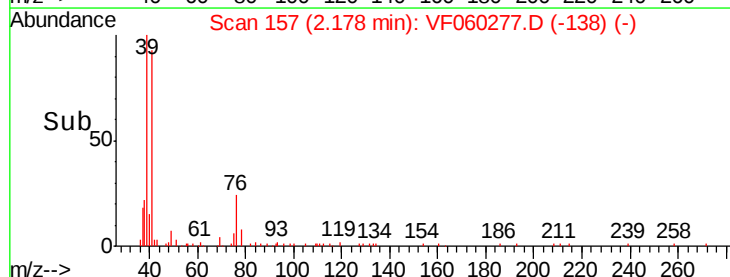
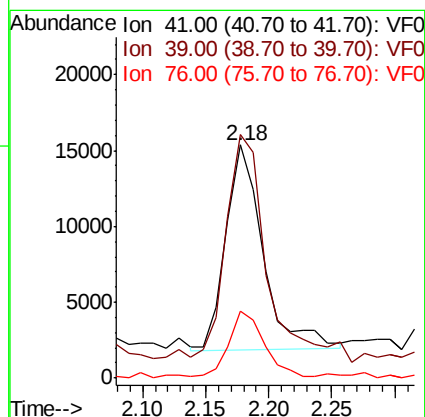
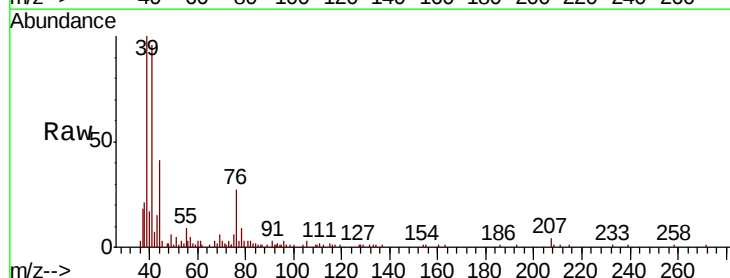
Tgt Ion: 41 Resp: 27762

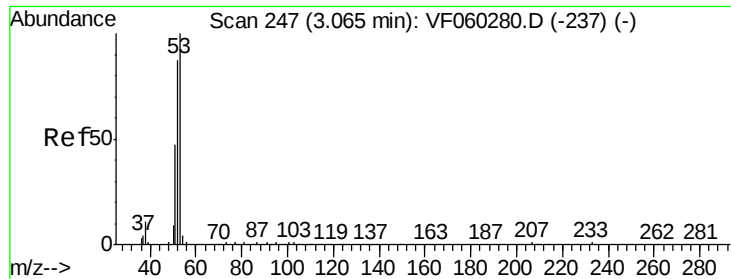
Ion Ratio Lower Upper

41 100

39 104.4 84.8 127.2

76 28.7 27.4 41.2





#15

Acrylonitrile

Concen: 29.37 ug/l

RT: 3.06 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

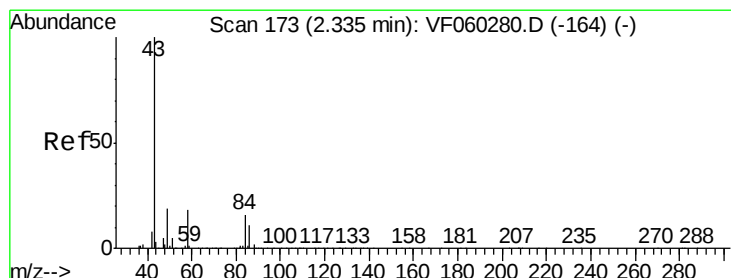
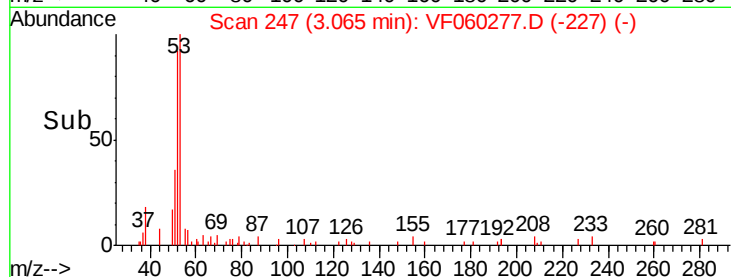
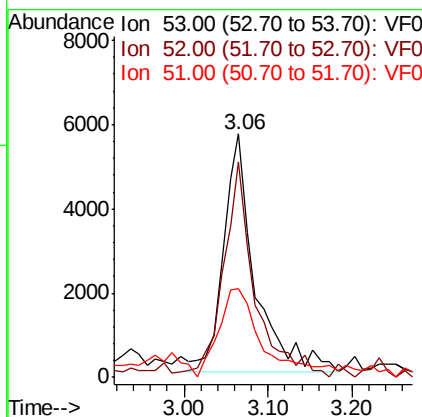
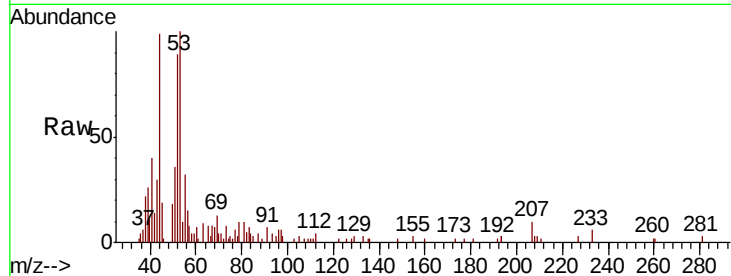
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	14529
Ion	Ratio	Lower	Upper
53	100		
52	88.5	69.5	104.3
51	36.3	38.1	57.1#

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#16

Acetone

Concen: 30.05 ug/l

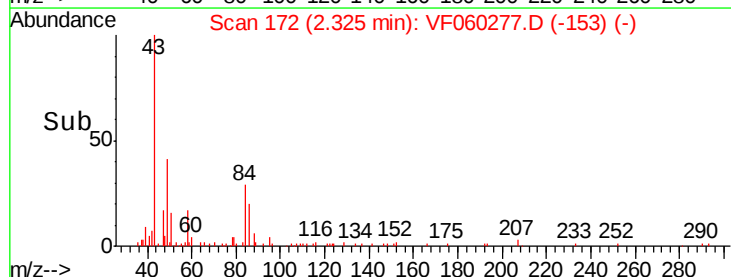
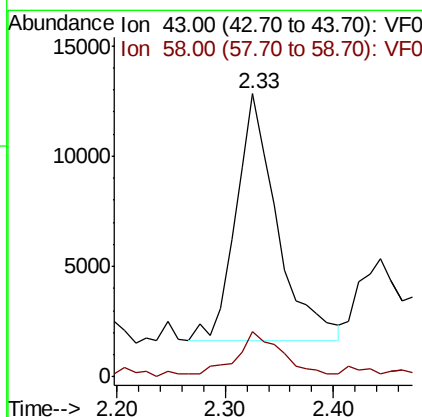
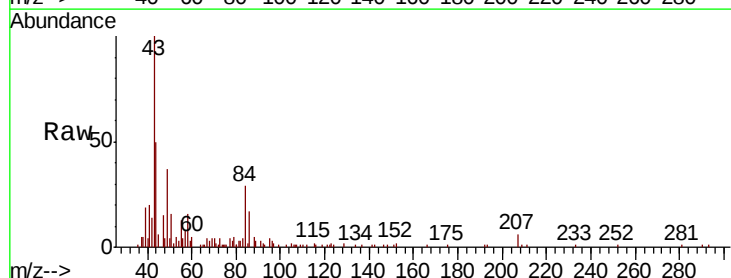
RT: 2.33 min Scan# 172

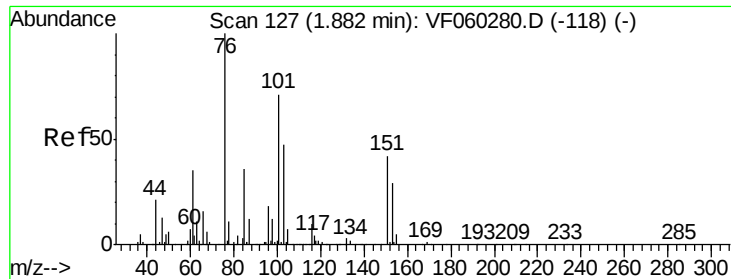
Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Tgt Ion:	43	Resp:	29635
Ion	Ratio	Lower	Upper
43	100		
58	16.0	14.5	21.7





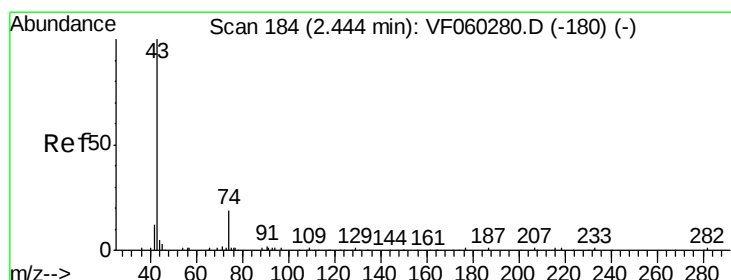
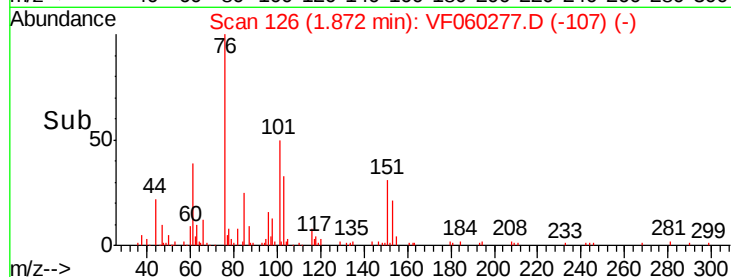
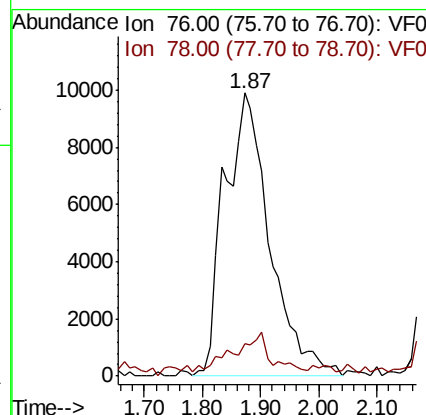
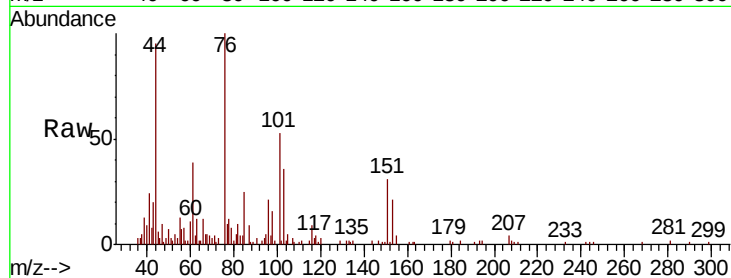
#17
Carbon Disulfide
Concen: 6.02 ug/l
RT: 1.87 min Scan# 126
Delta R.T. -0.01 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 53793
Ion Ratio Lower Upper
76 100
78 11.6 9.4 14.0

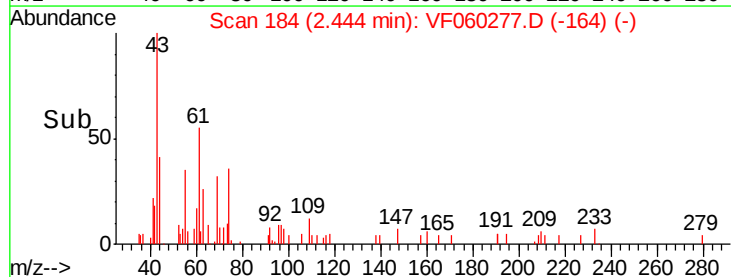
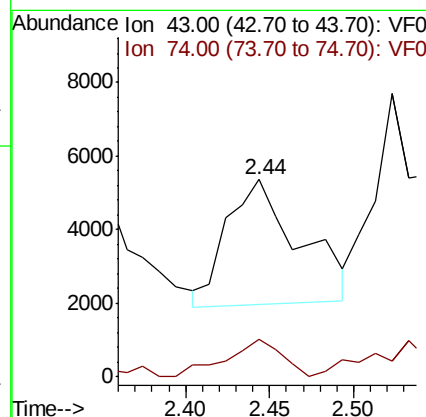
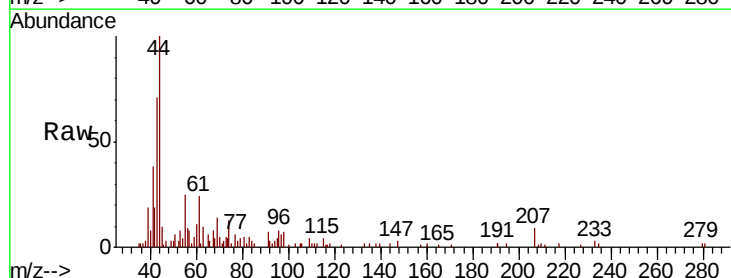
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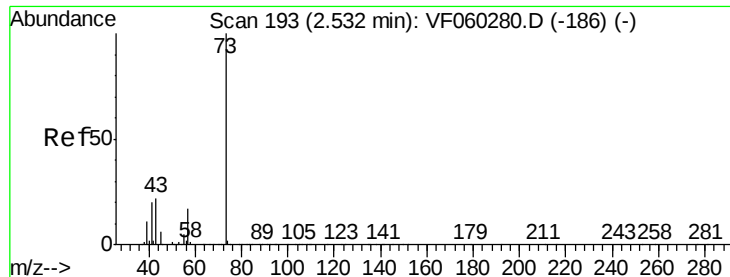
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#18
Methyl Acetate
Concen: 6.20 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion: 43 Resp: 10186
Ion Ratio Lower Upper
43 100
74 18.9 12.7 19.1





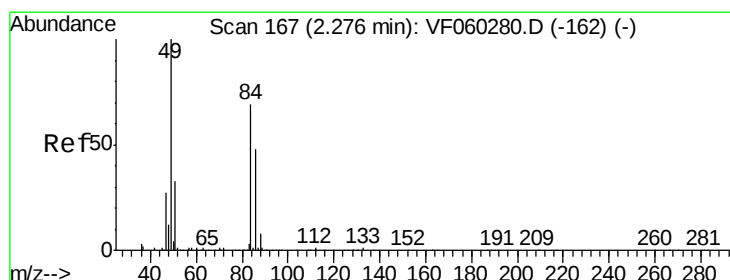
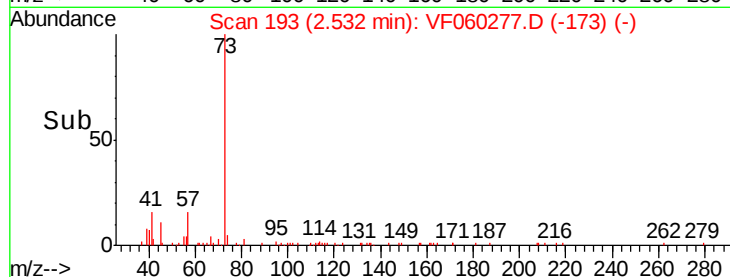
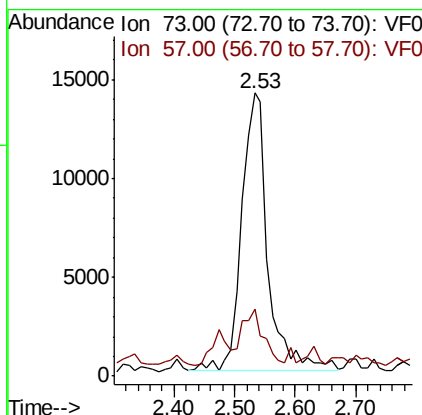
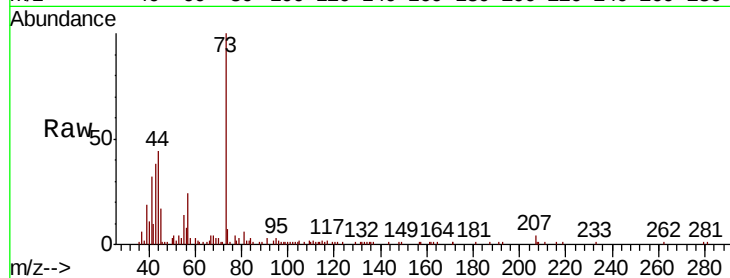
#19
Methyl tert-butyl Ether
Concen: 5.74 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	14.5	21.7#

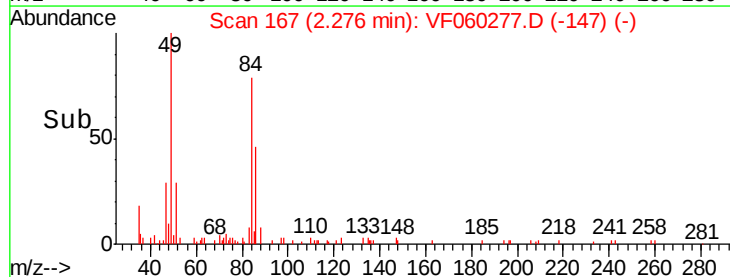
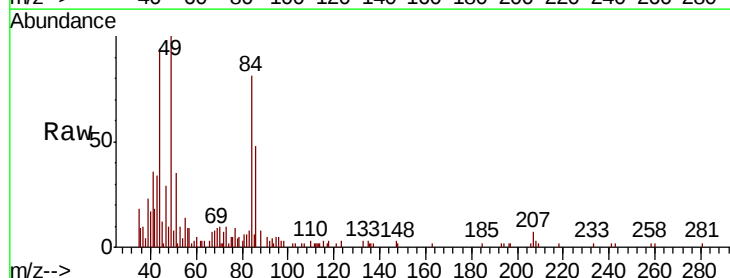
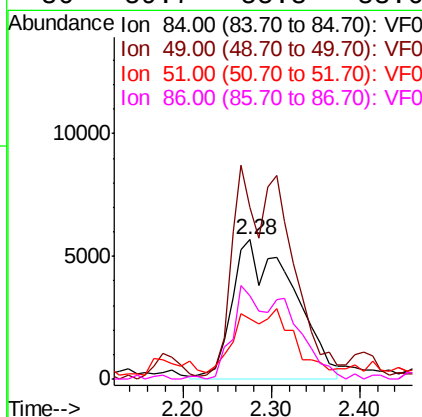
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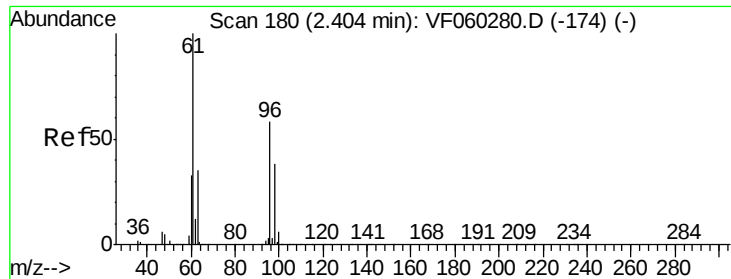
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#20
Methylene Chloride
Concen: 7.78 ug/l m
RT: 2.28 min Scan# 167
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.5	118.3	177.5
51	42.9	38.7	58.1
86	59.7	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 5.96 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

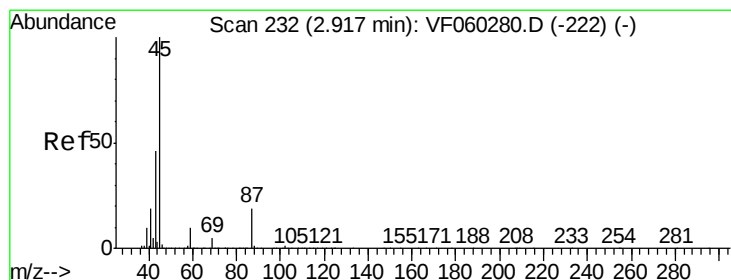
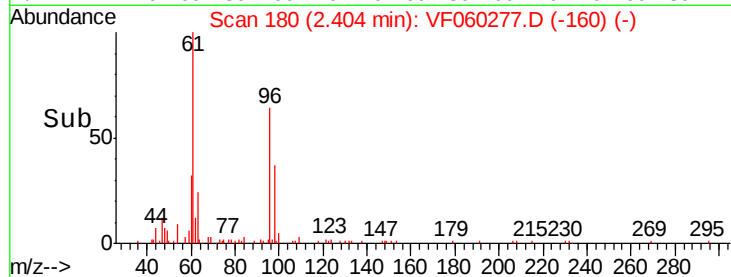
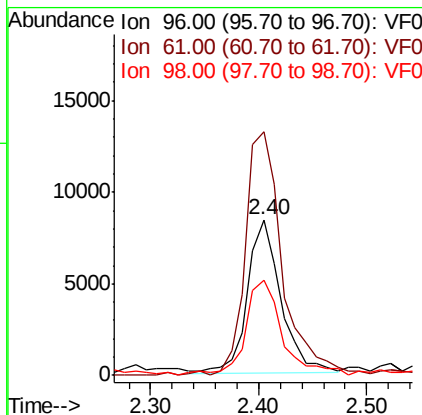
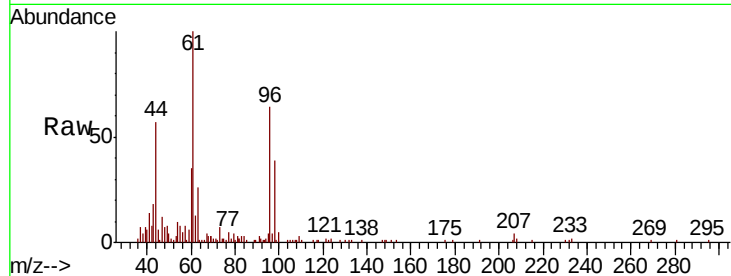
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	18218
Ion	Ratio	Lower	Upper
96	100		
61	156.5	136.4	204.6
98	63.0	51.8	77.6

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#22

Diisopropyl ether

Concen: 5.57 ug/l

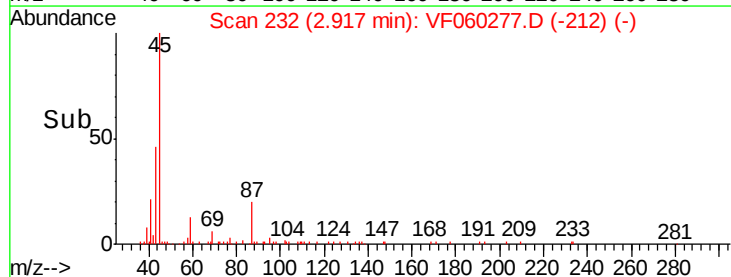
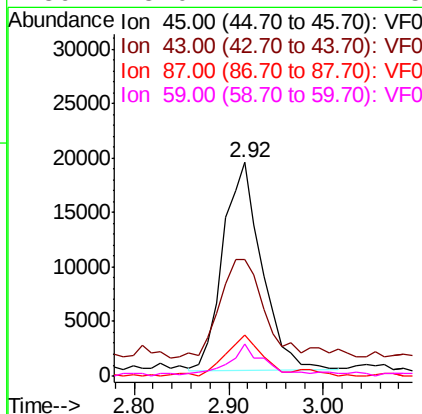
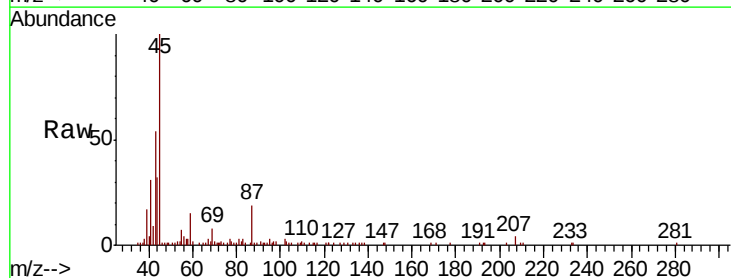
RT: 2.92 min Scan# 232

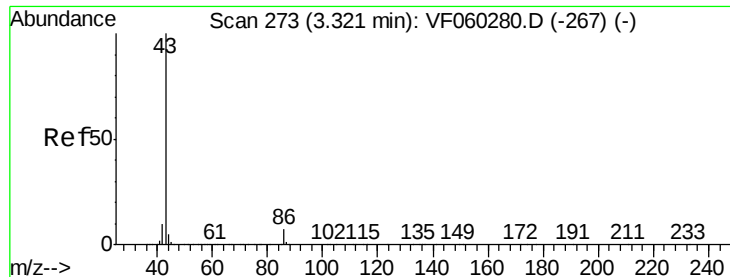
Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Tgt Ion:	45	Resp:	54321
Ion	Ratio	Lower	Upper
45	100		
43	54.4	38.2	57.2
87	19.4	15.5	23.3
59	15.0	7.7	11.5#





#23

Vinyl Acetate

Concen: 27.71 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 106059

Ion Ratio Lower Upper

43 100

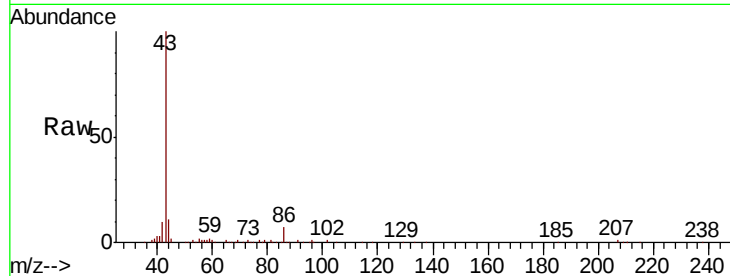
86 7.2 5.9 8.9

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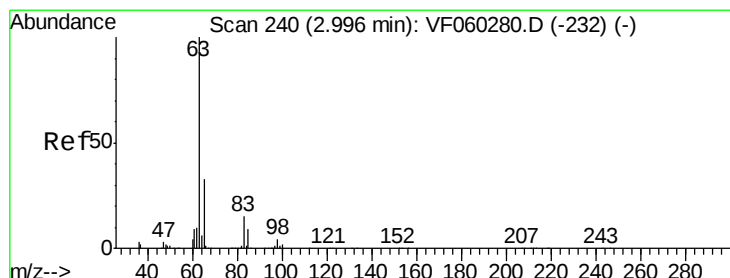
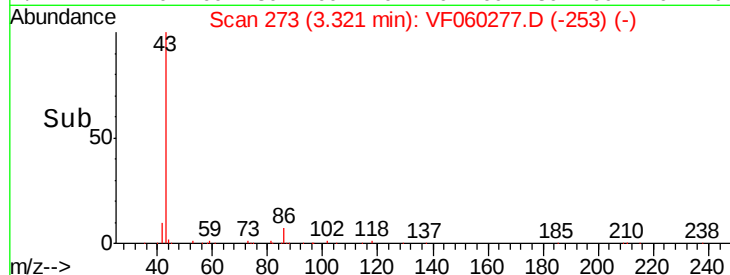
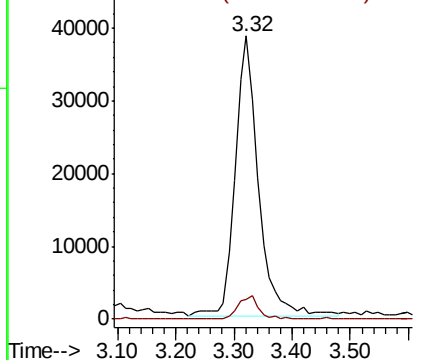
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 5.99 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

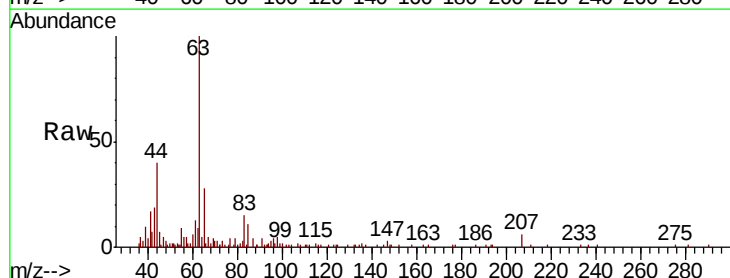
Tgt Ion: 63 Resp: 37860

Ion Ratio Lower Upper

63 100

98 4.9 2.1 6.5

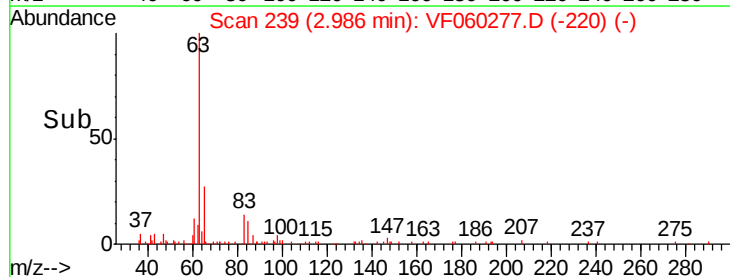
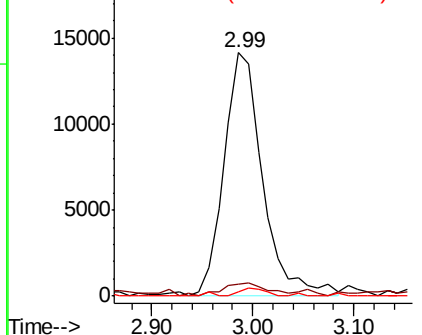
100 1.5 1.1 3.3

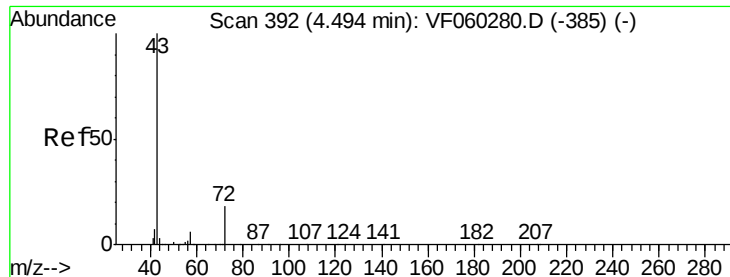


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 27.24 ug/l

RT: 4.50 min Scan# 393

Delta R.T. 0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 36156

Ion Ratio Lower Upper

43 100

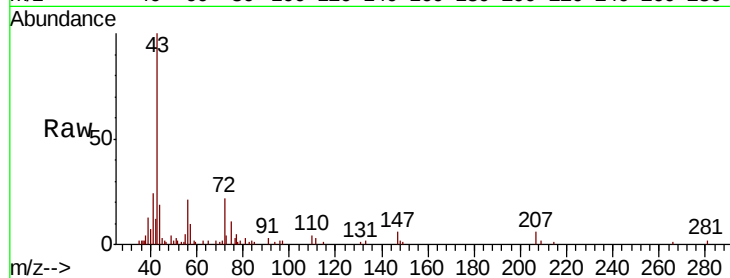
72 21.8 16.2 24.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

10000

8000

6000

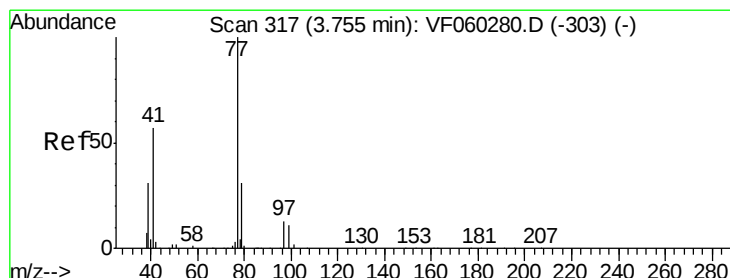
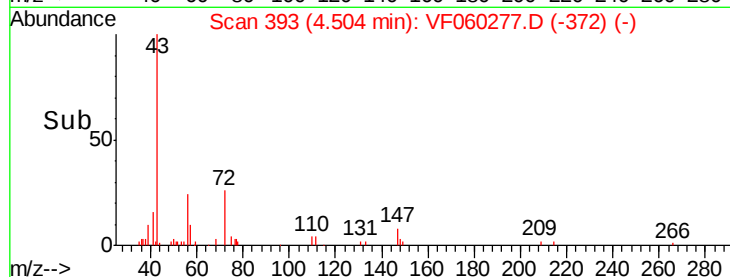
4000

2000

0

4.40 4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 5.86 ug/l

RT: 3.74 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060277.D

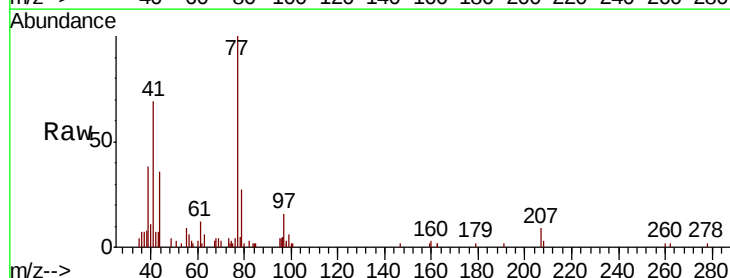
Acq: 19 Sep 2018 12:50

Tgt Ion: 77 Resp: 21117

Ion Ratio Lower Upper

77 100

97 19.2 9.3 27.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

6000

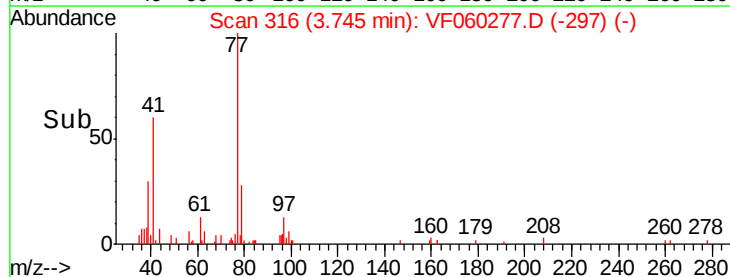
4000

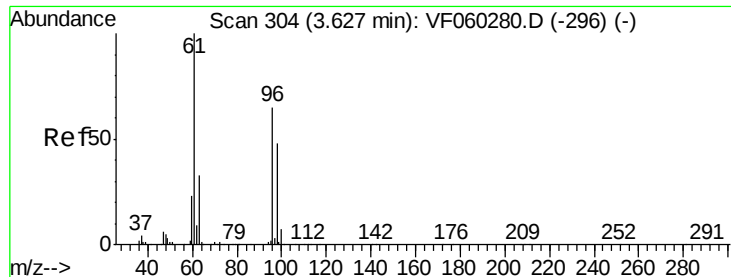
2000

0

3.60 3.70 3.80 3.90

Time-->





#27

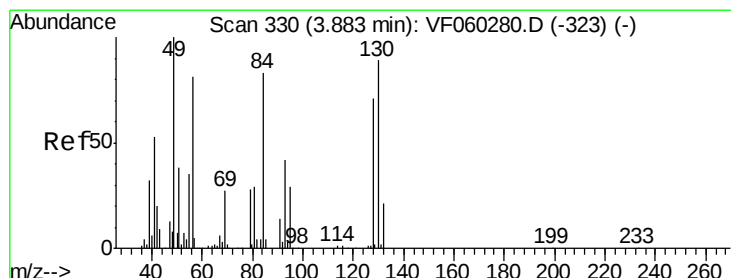
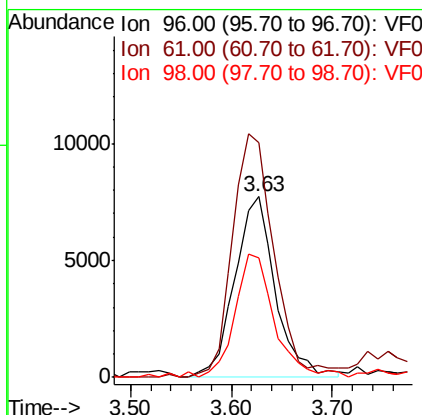
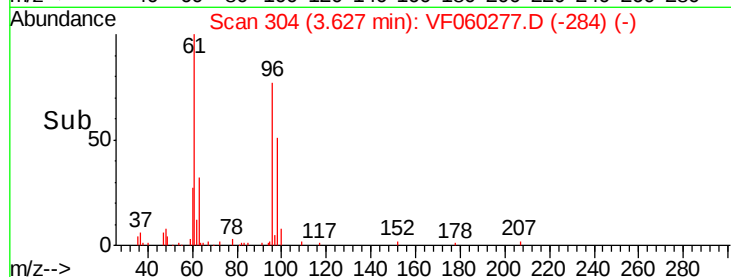
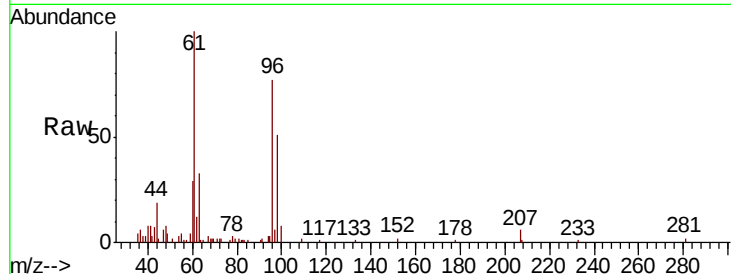
cis-1,2-Dichloroethene
 Concen: 5.42 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	304.8
98	65.9	0.0	146.4

Manual Integrations
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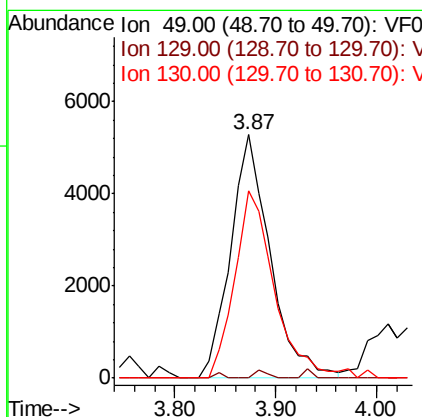
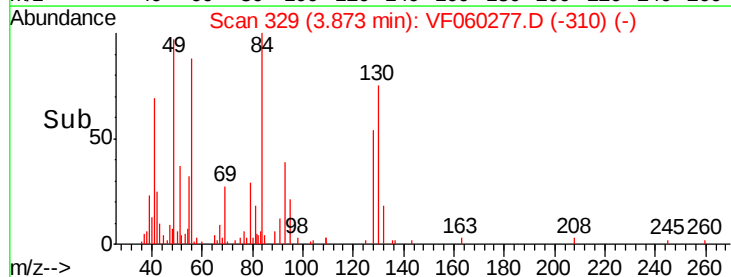
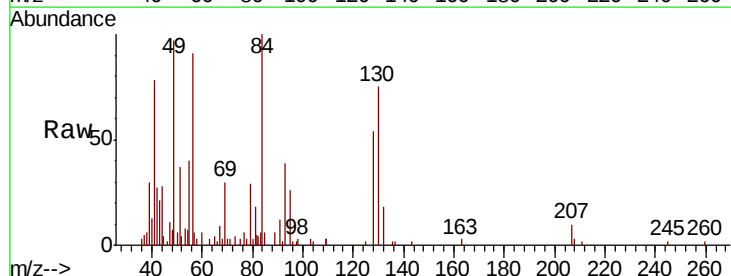
apatel
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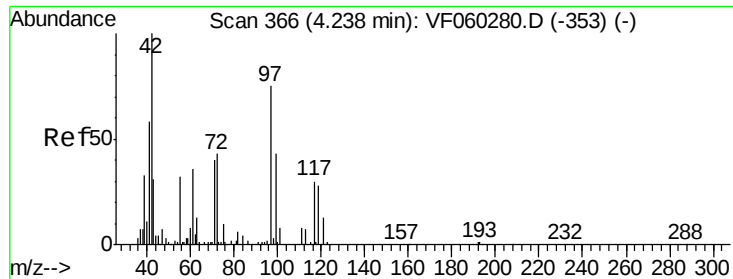


#28

Bromochloromethane
 Concen: 5.88 ug/l
 RT: 3.87 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	77.1	70.3	105.5





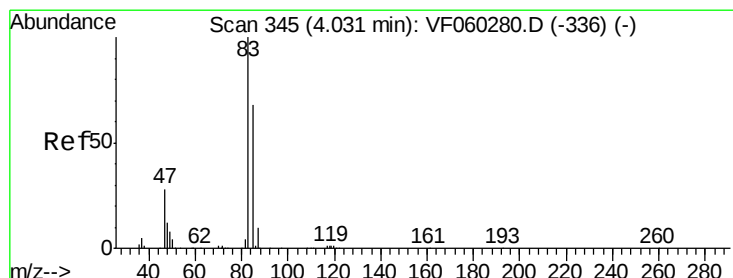
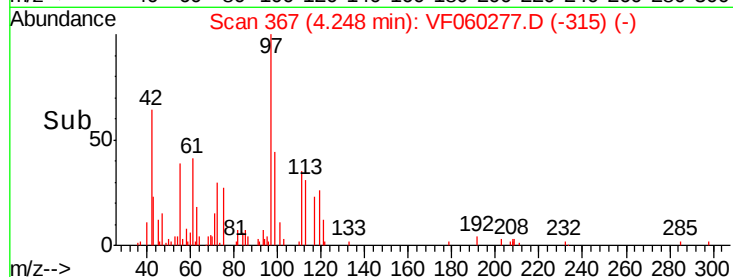
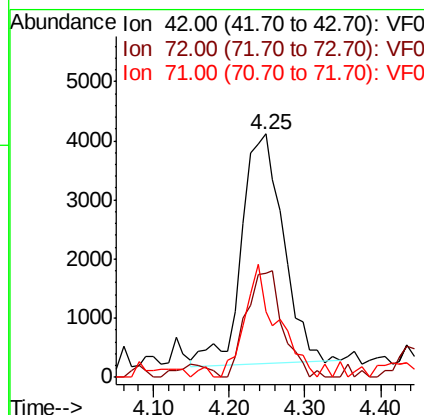
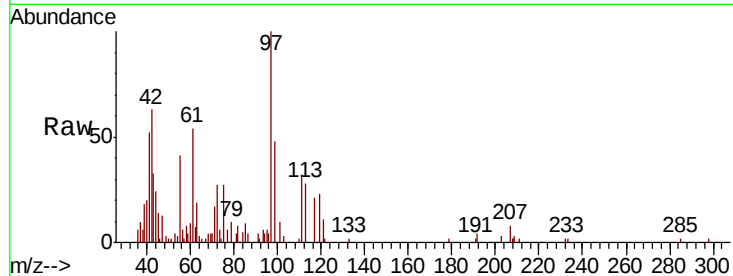
#29
Tetrahydrofuran
Concen: 30.48 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
42	100	14817		
72	40.8		32.6	49.0
71	37.9		32.7	49.1

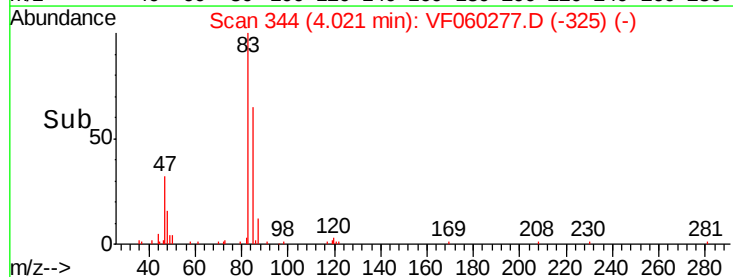
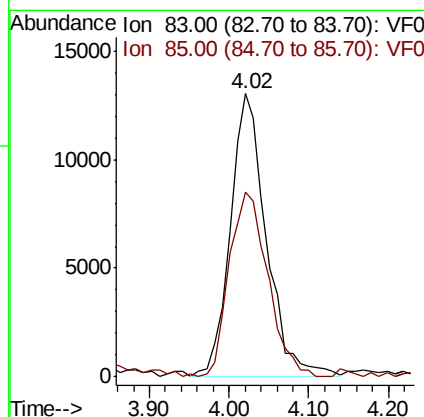
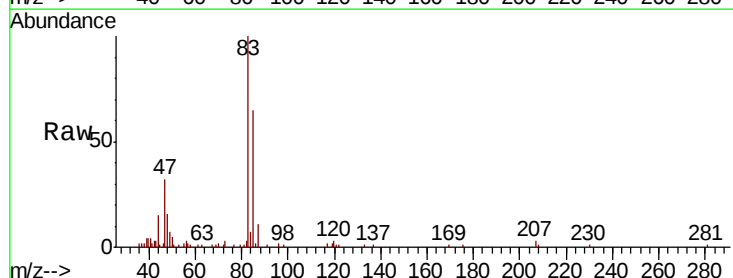
Manual Integrations
APPROVED

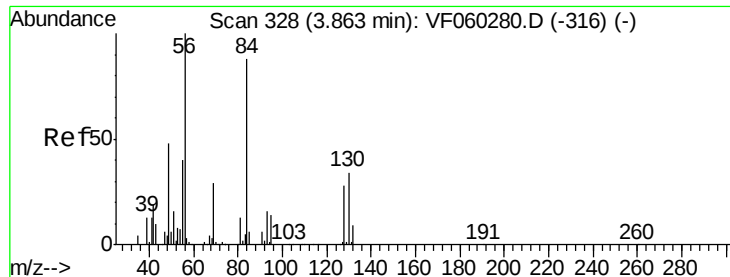
apatel
9/20/2018 11:40:01 AM



#30
Chloroform
Concen: 5.39 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	41108		
85	65.5		54.9	82.3





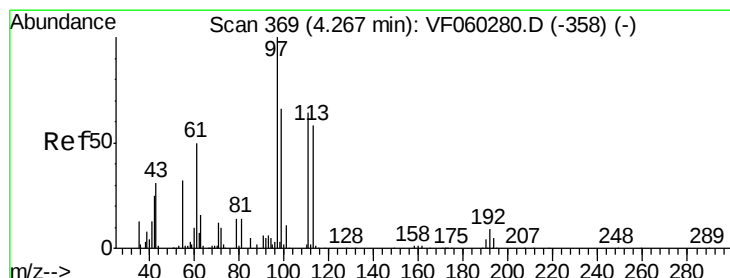
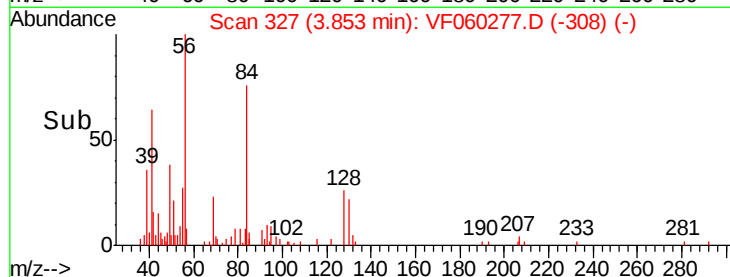
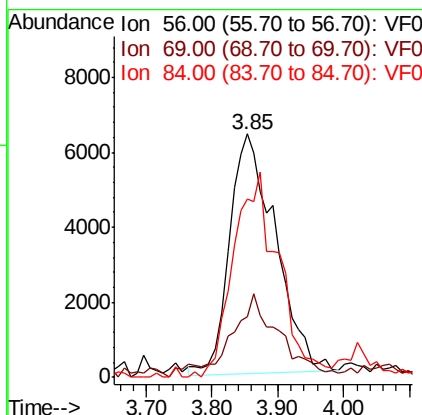
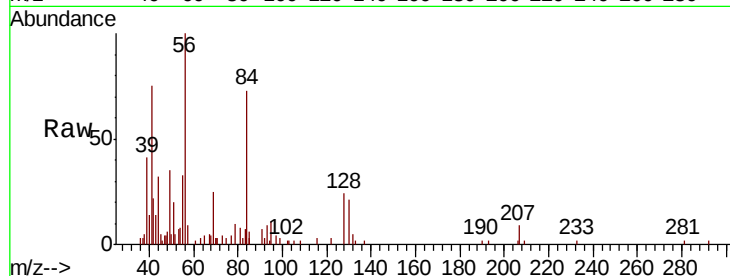
#31
Cyclohexane
Concen: 5.85 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	24.8	23.8	35.6
84	73.3	70.2	105.4

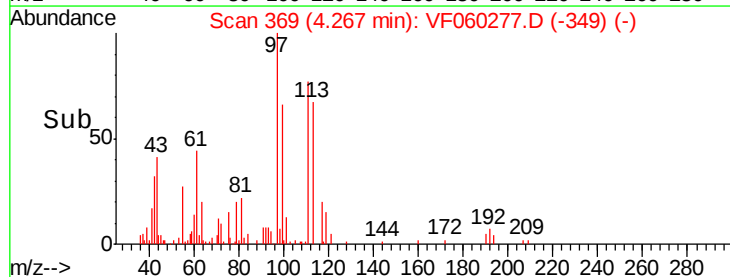
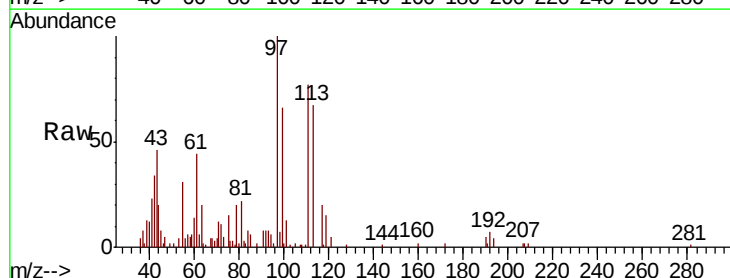
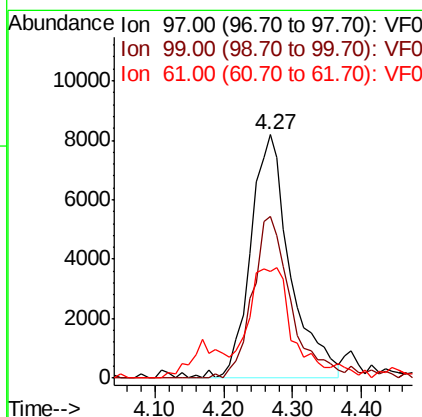
Manual Integrations
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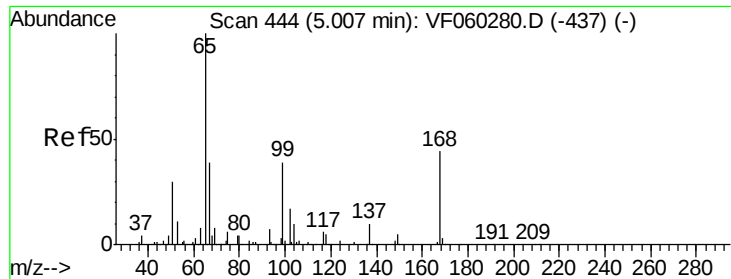
apatel
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#32
1,1,1-Trichloroethane
Concen: 5.45 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	53.0	79.4
61	43.9	40.6	61.0





#33

1,2-Dichloroethane-d4

Concen: 5.66 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 19825

Ion Ratio Lower Upper

65 100

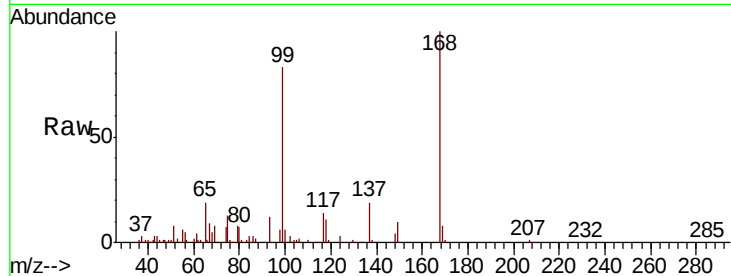
67 48.9 0.0 94.4

Manual Integrations

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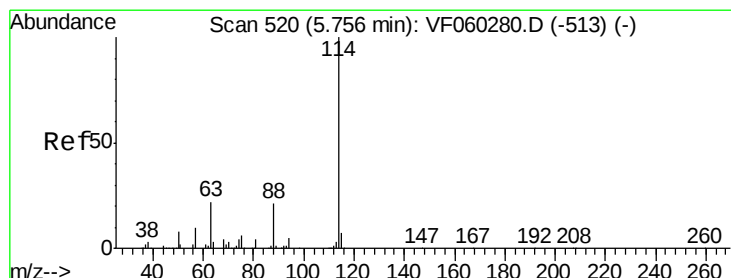
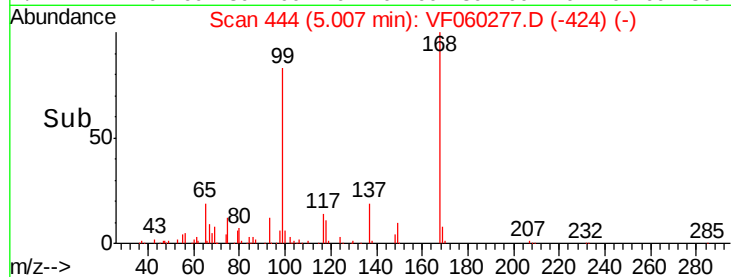
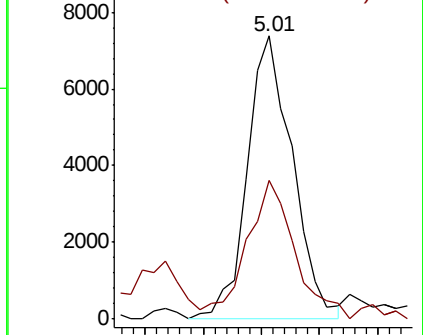
apatel

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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: 50.00 ug/l

RT: 5.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

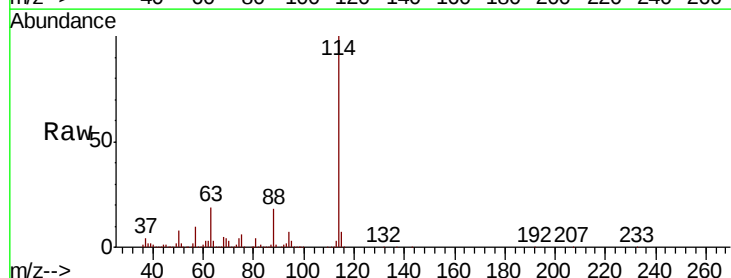
Tgt Ion:114 Resp: 439783

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.8

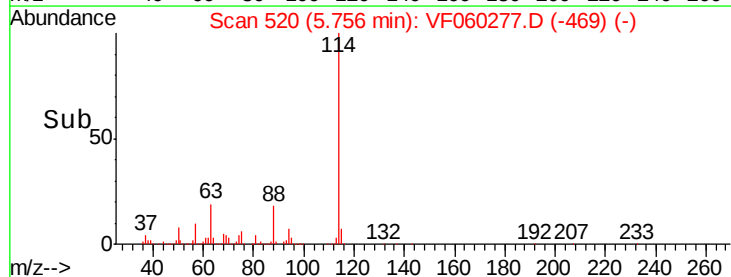
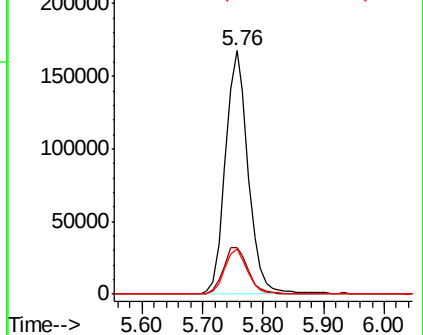
88 18.4 0.0 41.2

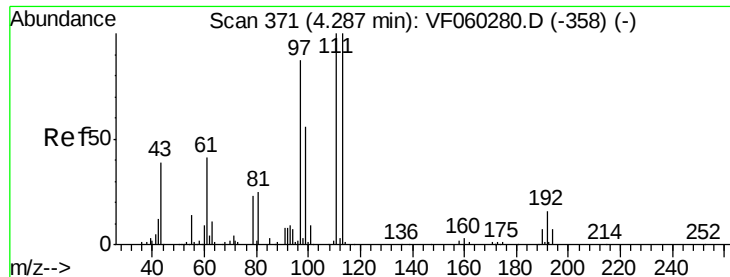


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 5.43 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

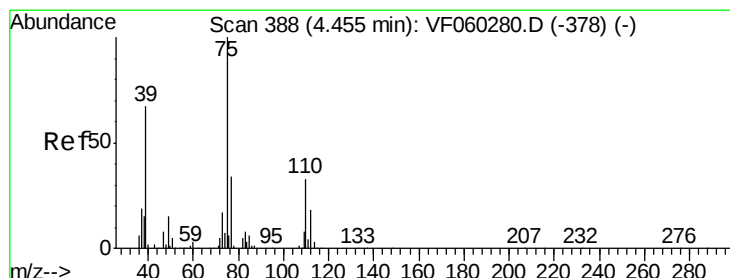
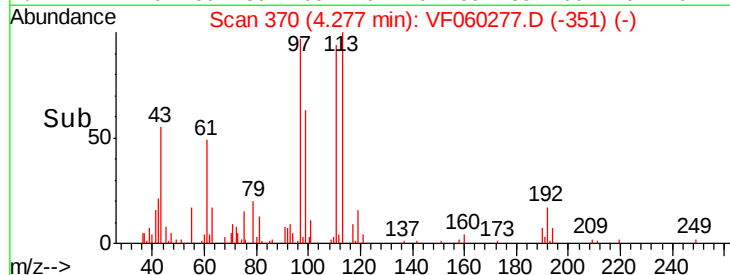
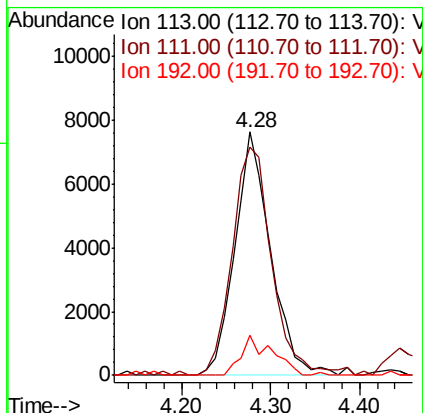
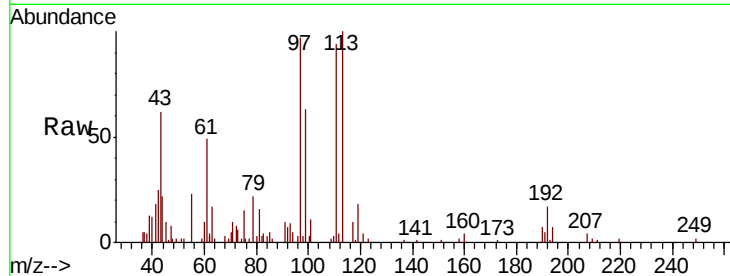
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	21268
Ion Ratio	Lower	Upper	
113	100		
111	93.5	79.6	119.4
192	16.6	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.02 ug/l

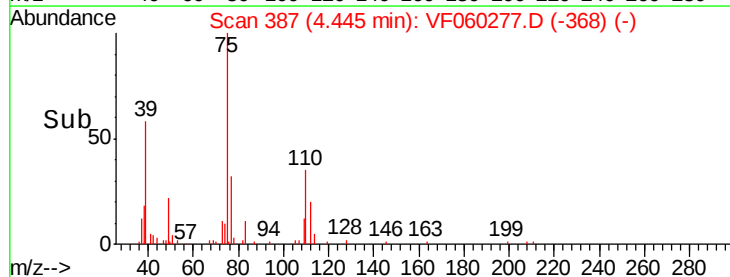
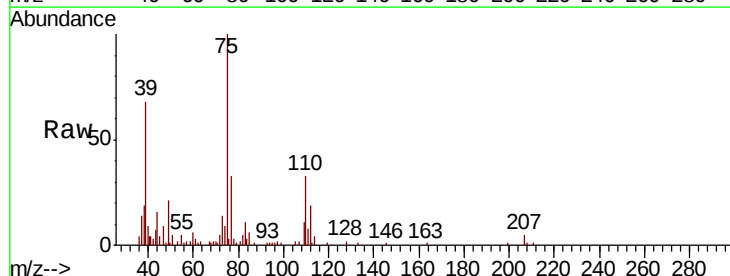
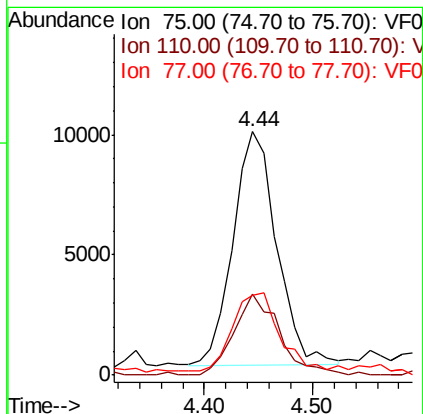
RT: 4.44 min Scan# 387

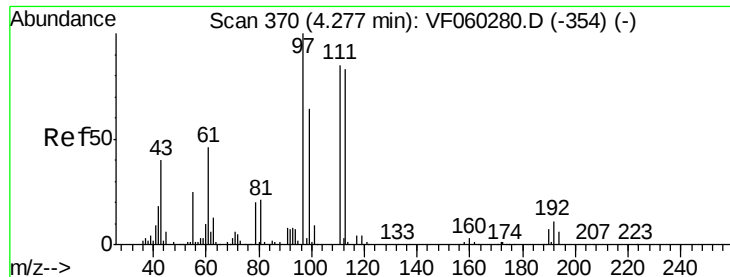
Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Tgt Ion:	75	Resp:	27565
Ion Ratio	Lower	Upper	
75	100		
110	33.4	16.4	49.2
77	32.5	27.3	40.9





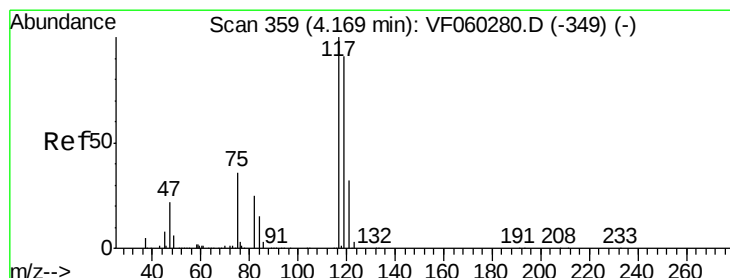
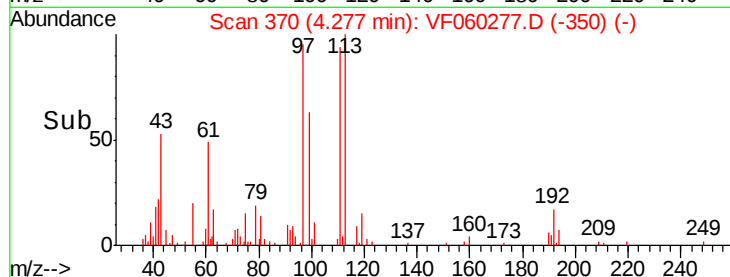
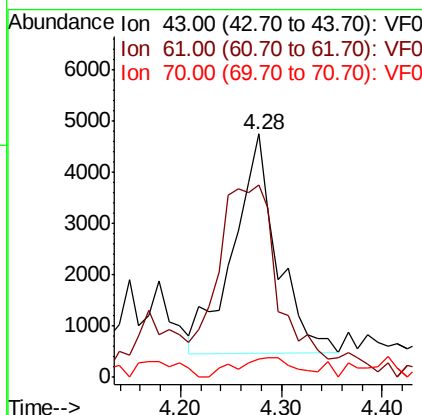
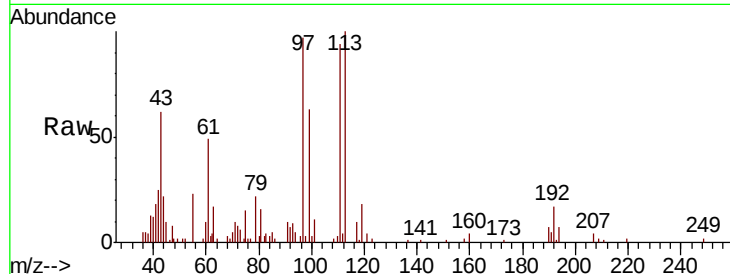
#37
Ethyl Acetate
Concen: 5.52 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70	Ratio	Lower	Upper
12809	100	78.8	7.6			
		91.1	6.9			
		136.7	10.3			

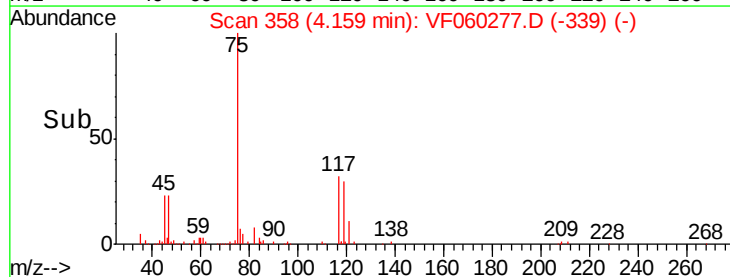
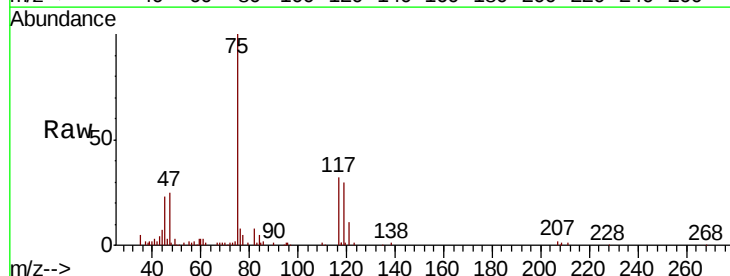
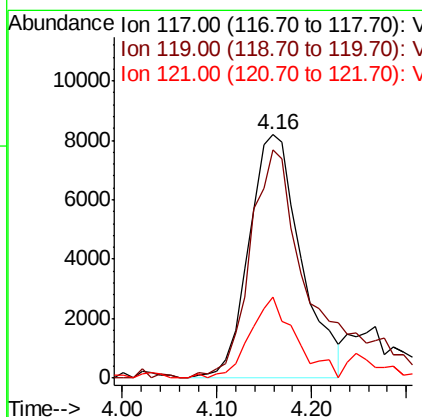
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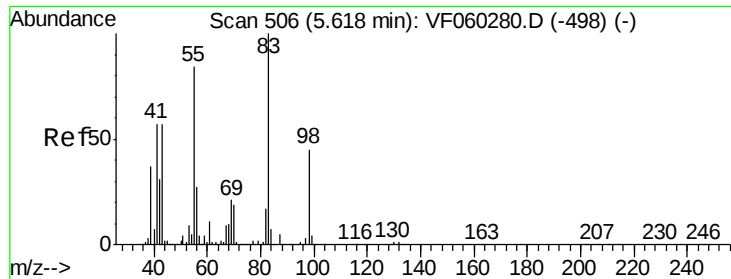
apatel
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#38
Carbon Tetrachloride
Concen: 5.01 ug/l
RT: 4.16 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion	117	119	121	Ratio	Lower	Upper
31380	100	93.6	33.2			
		73.0	25.4			
		109.6	38.2			





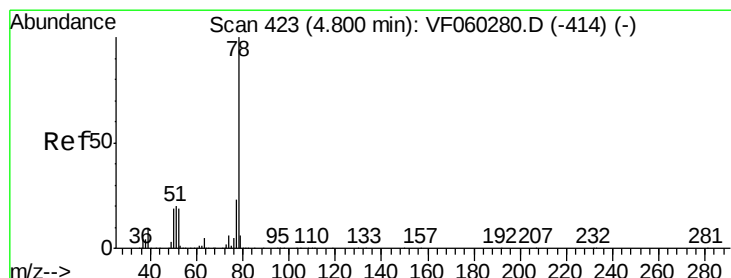
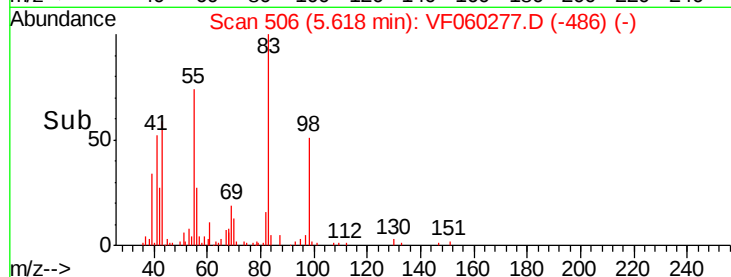
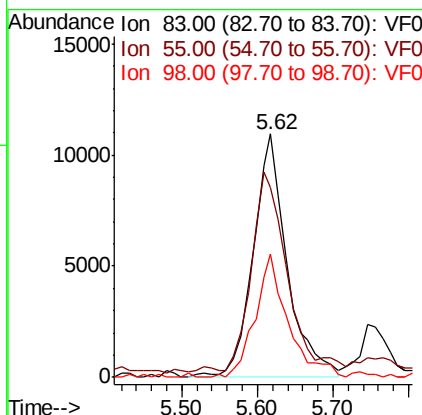
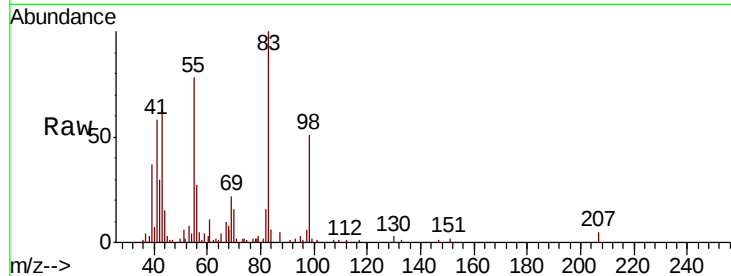
#39
Methvlcvclohexane
Concen: 5.76 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	67.3	100.9
98	50.6	36.1	54.1

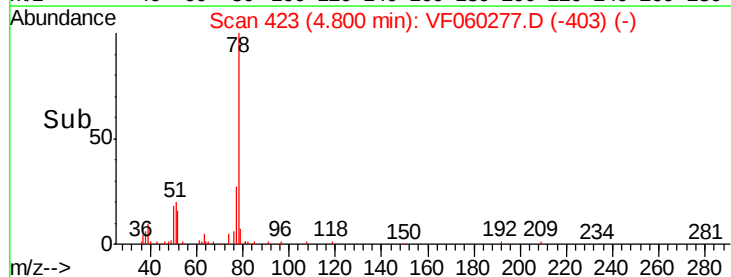
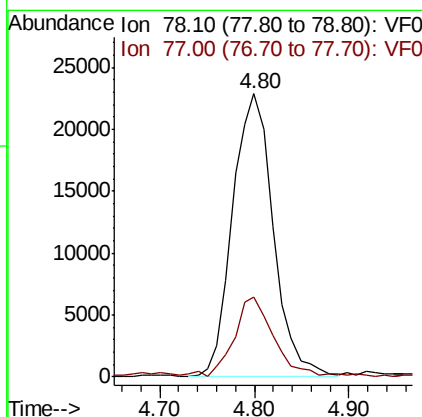
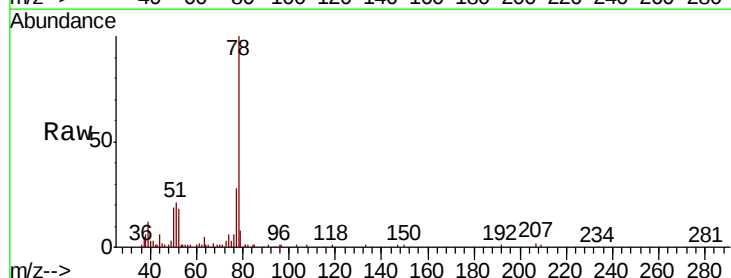
Manual Integrations
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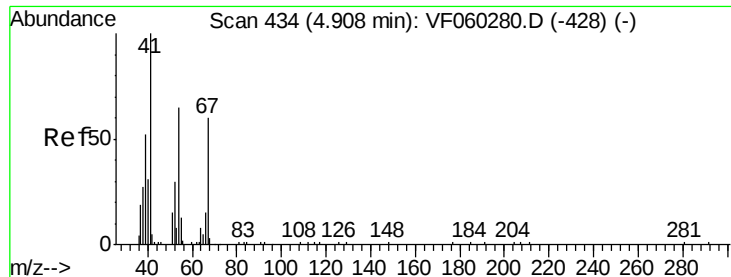
apatel
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#40
Benzene
Concen: 5.49 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	28.3	18.4	27.6#





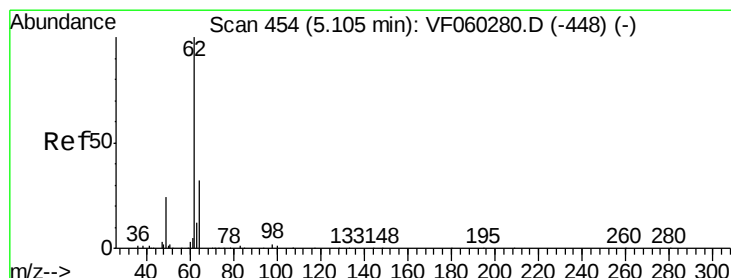
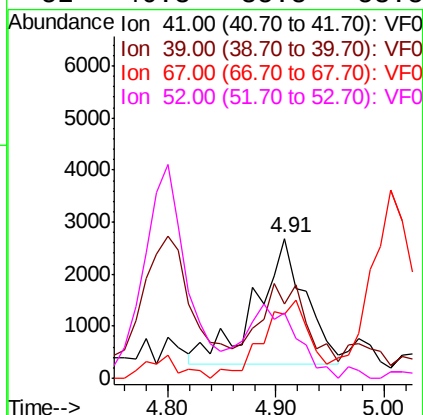
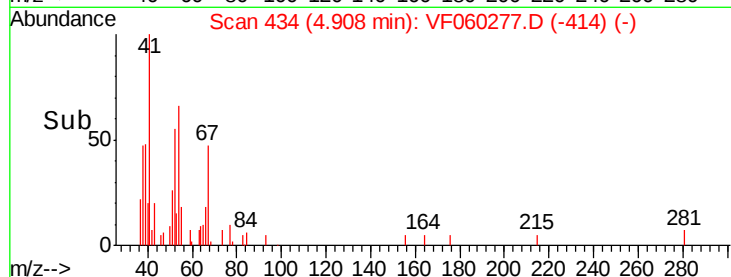
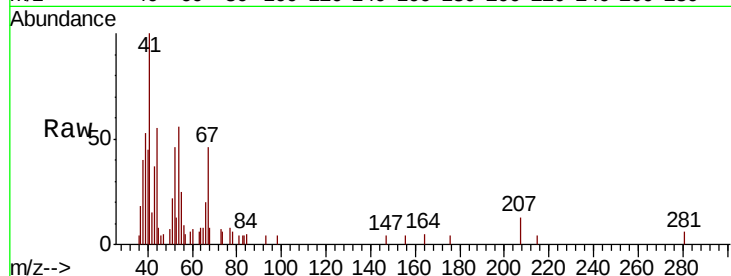
#41
Methacrylonitrile
Concen: 6.16 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	49.1	73.7
67	45.5	48.2	72.4
52	46.3	35.8	53.8

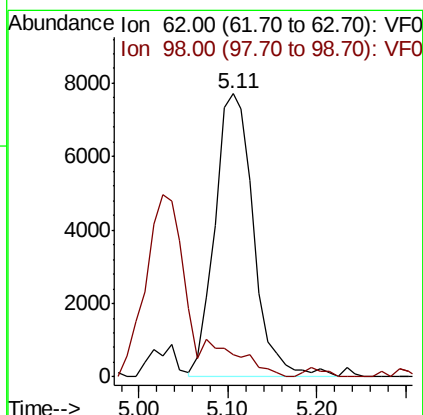
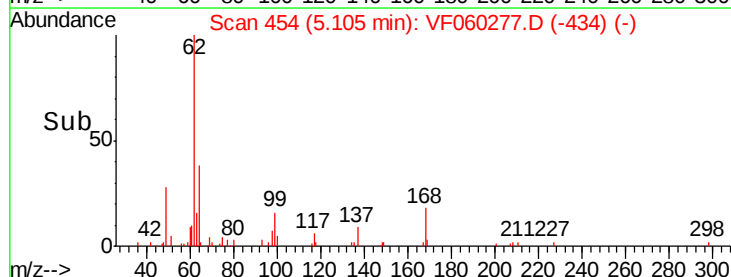
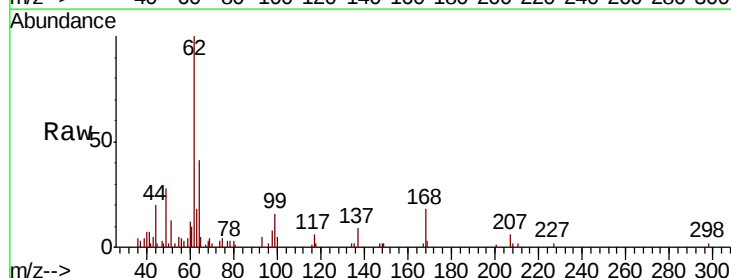
Manual Integrations
APPROVED

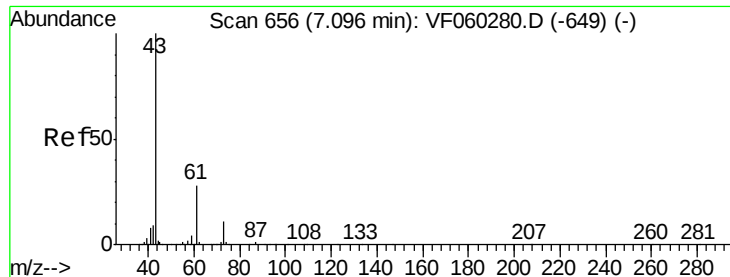
apatel
9/20/2018 11:40:01 AM



#42
1,2-Dichloroethane
Concen: 5.12 ug/l
RT: 5.11 min Scan# 454
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	14.4





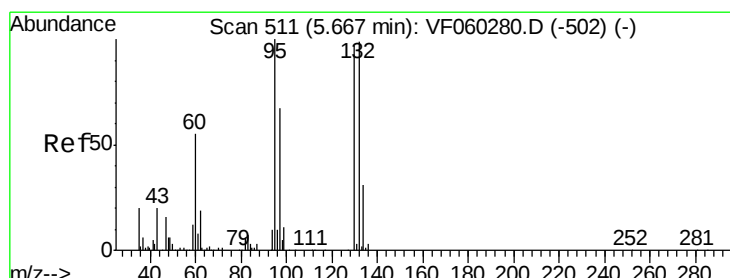
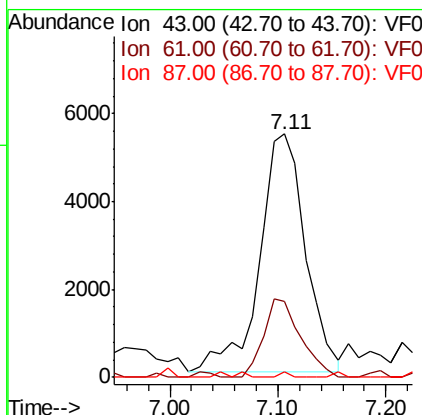
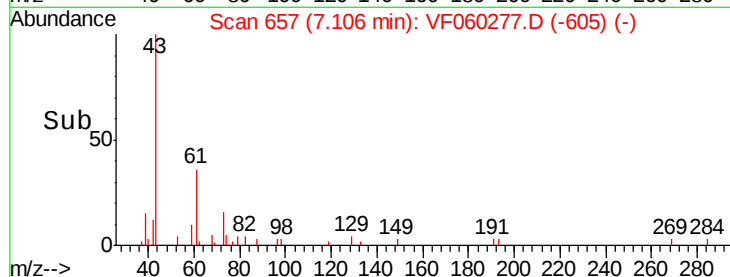
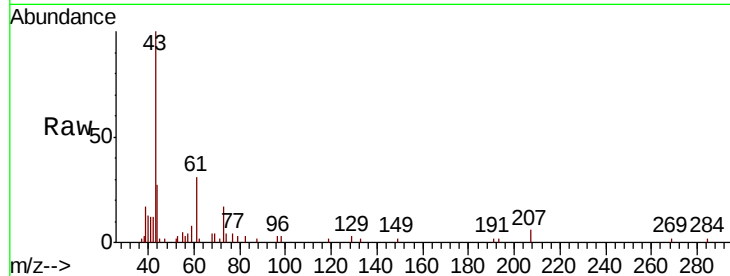
#43
Isopropyl Acetate
Concen: 5.72 ug/l
RT: 7.11 min Scan# 657
Delta R.T. 0.01 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	15987
Ion Ratio	Lower	Upper	
43	100		
61	31.4	22.4	33.6
87	2.1	0.6	0.8#

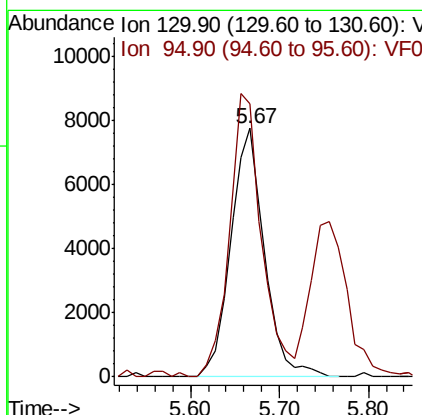
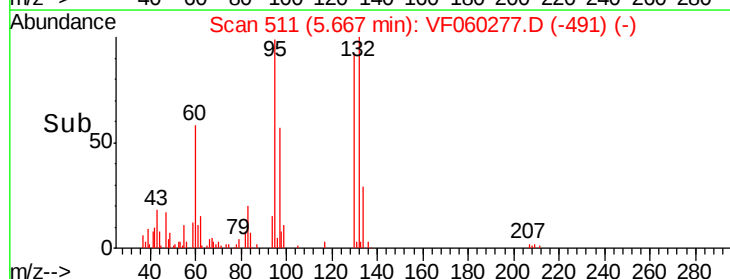
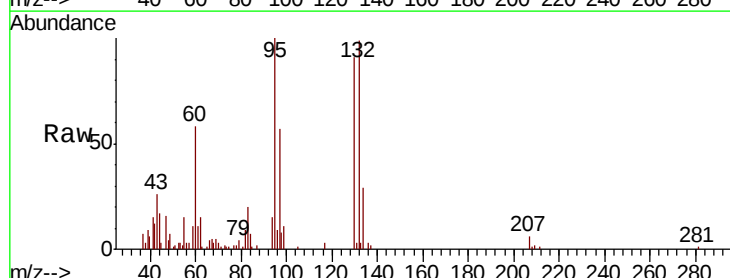
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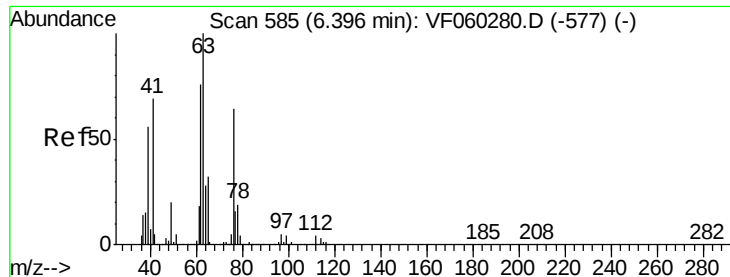
apatel
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#44
Trichloroethene
Concen: 5.51 ug/l
RT: 5.67 min Scan# 511
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion	130	Resp	20381
Ion Ratio	Lower	Upper	
130	100		
95	110.0	0.0	205.6





#45

1,2-Dichloropropane

Concen: 5.72 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 18415

Ion Ratio Lower Upper

63 100

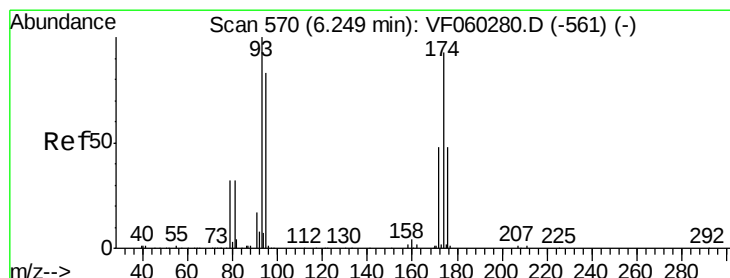
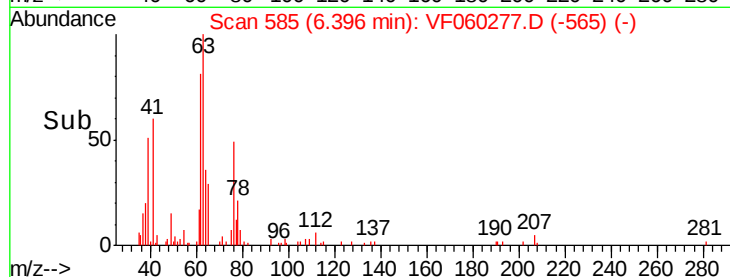
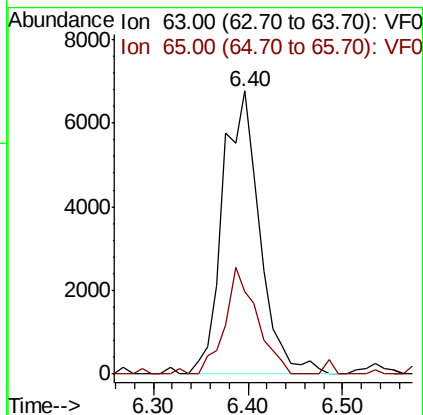
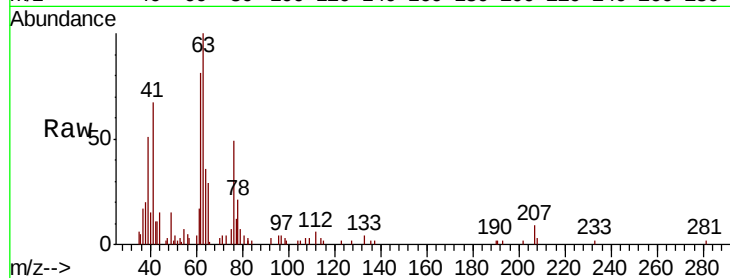
65 28.9 26.2 39.4

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#46

Dibromomethane

Concen: 5.14 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

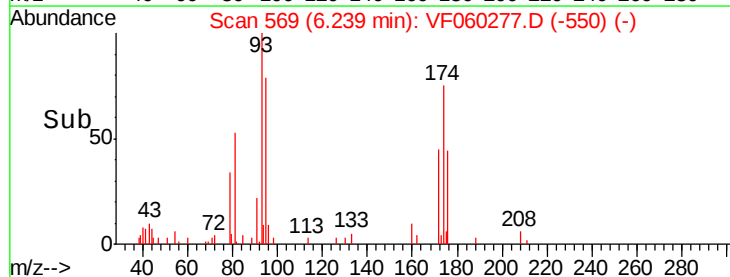
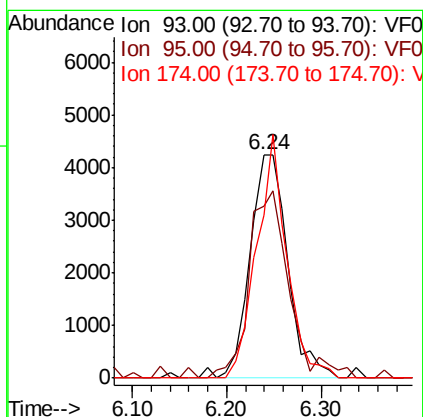
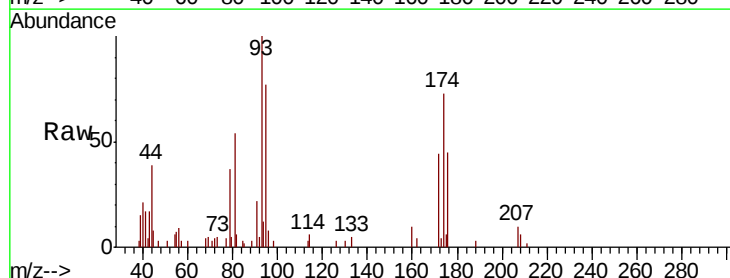
Tgt Ion: 93 Resp: 11839

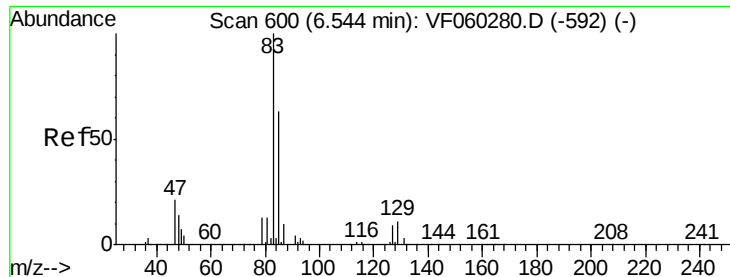
Ion Ratio Lower Upper

93 100

95 76.7 67.0 100.6

174 72.7 74.8 112.2#





#47

Bromodichloromethane

Concen: 5.41 ug/l

RT: 6.54 min Scan# 600

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

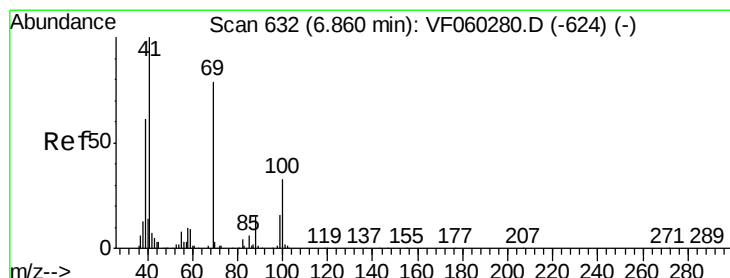
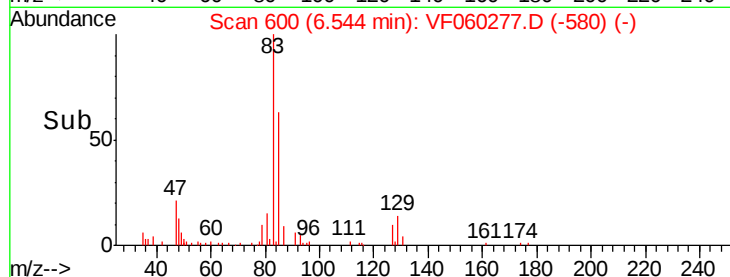
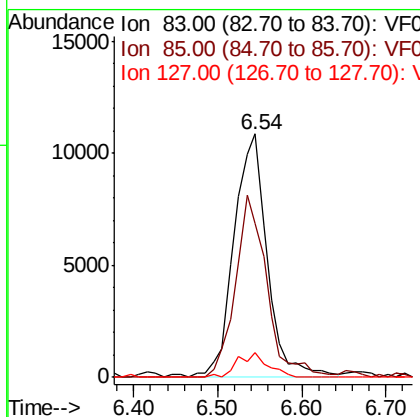
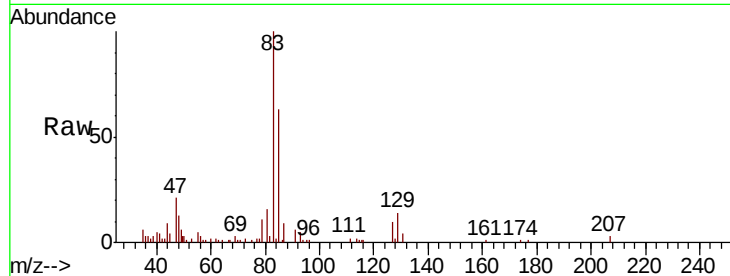
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	29933
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	76.0
127	10.2	7.1	10.7

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#48

Methyl methacrylate

Concen: 5.91 ug/l

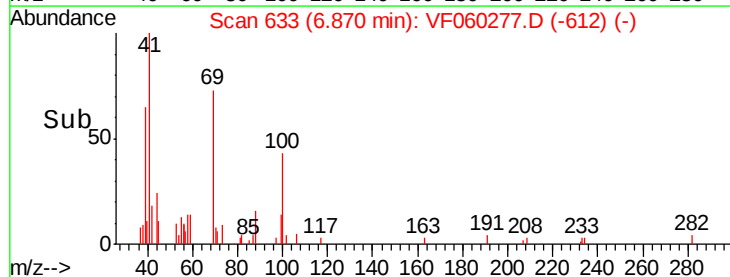
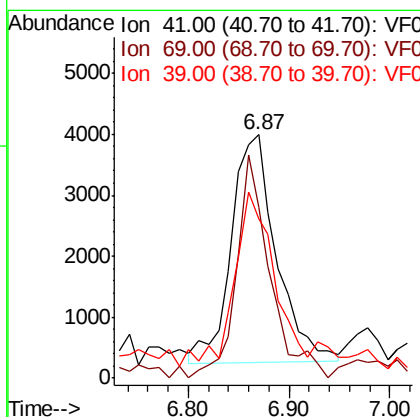
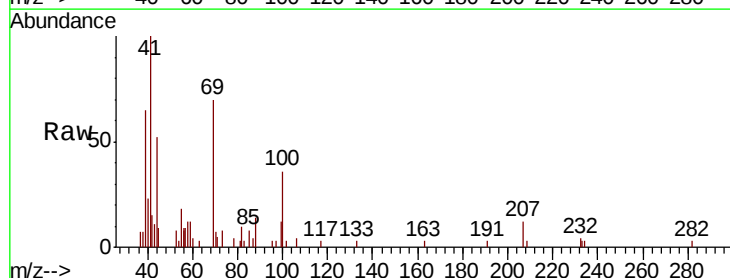
RT: 6.87 min Scan# 633

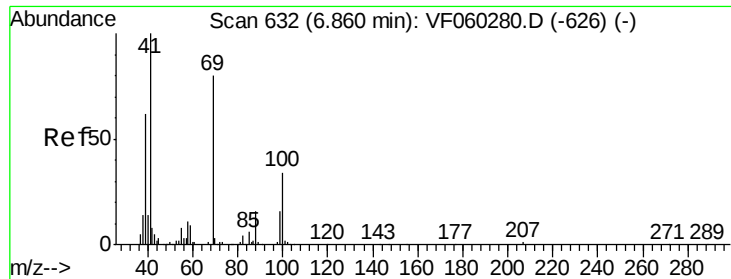
Delta R.T. 0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Tgt Ion:	41	Resp:	11584
Ion	Ratio	Lower	Upper
41	100		
69	70.3	62.6	94.0
39	65.1	49.1	73.7





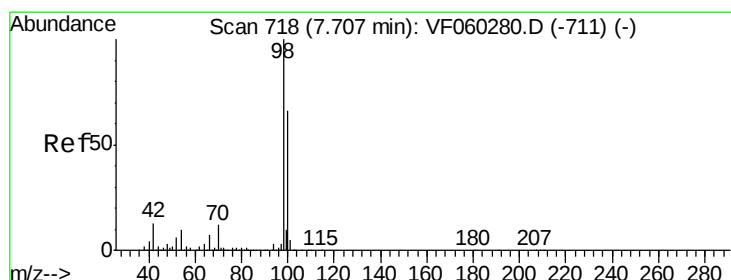
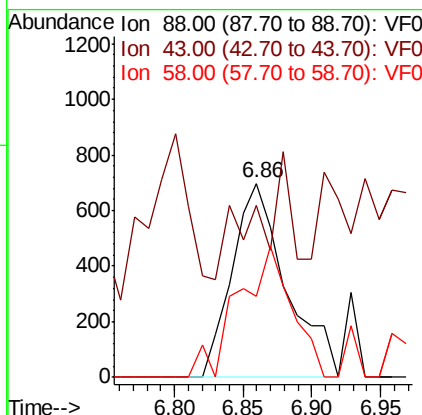
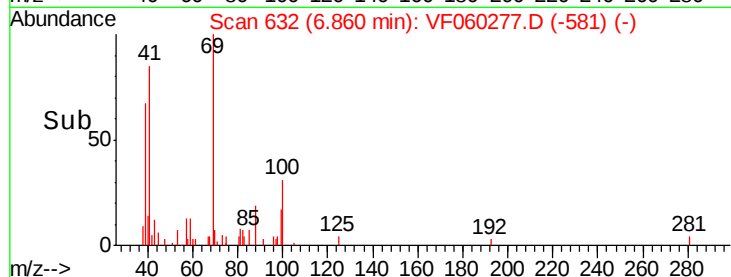
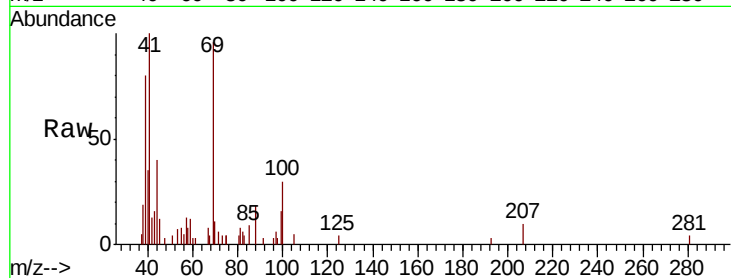
#49
 1,4-Dioxane
 Concen: 109.33 ug/l
 RT: 6.86 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	88.3	40.2	60.4#
58	41.9	56.7	85.1#

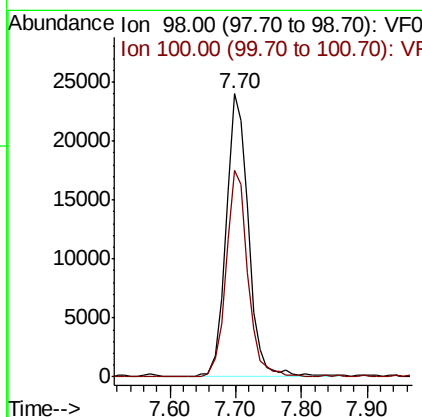
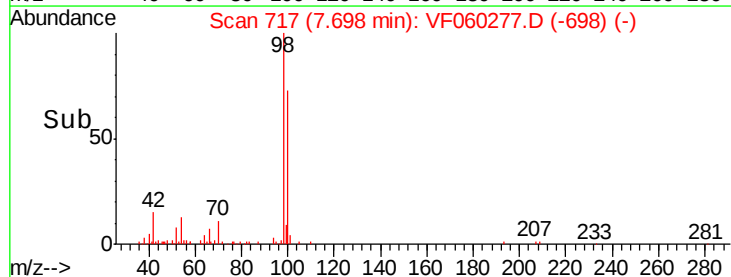
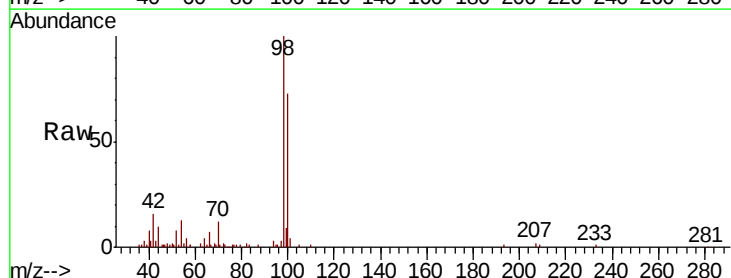
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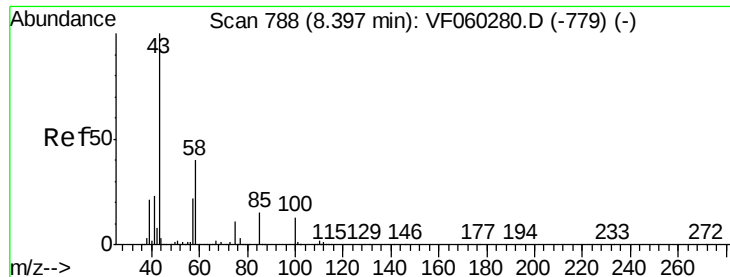
apatel
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#50
 Toluene-d8
 Concen: 5.60 ug/l
 RT: 7.70 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 25.92 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 55817

Ion Ratio Lower Upper

43 100

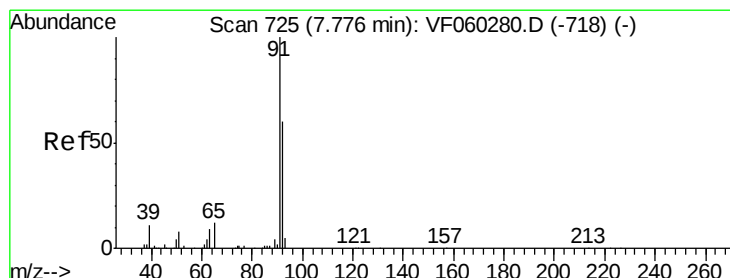
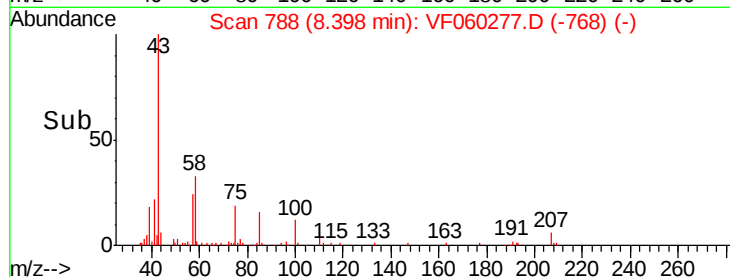
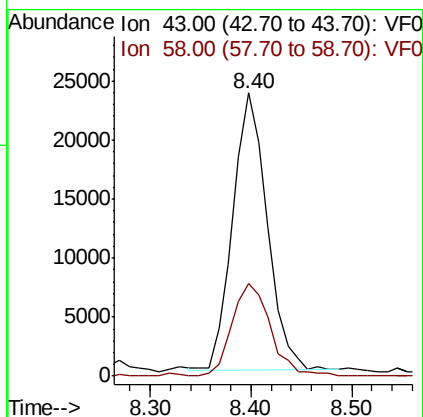
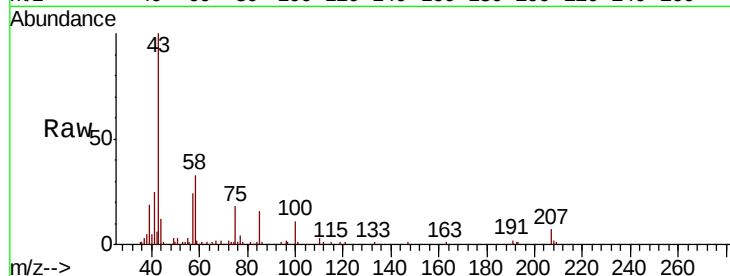
58 32.8 31.8 47.8

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#52

Toluene

Concen: 5.90 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060277.D

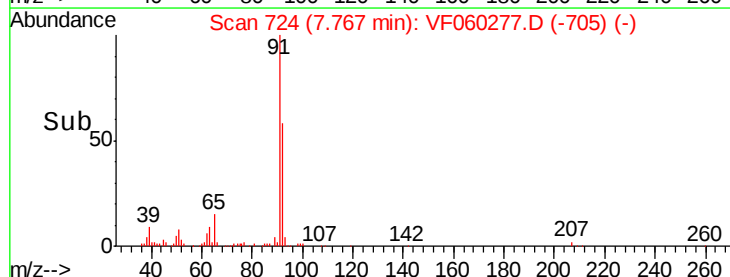
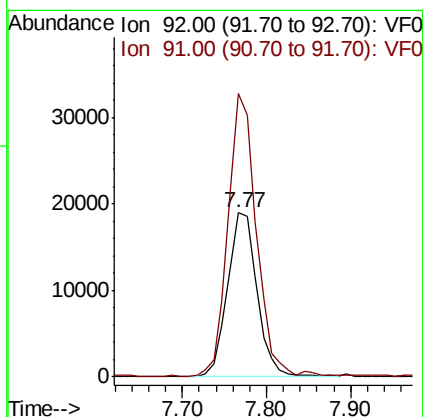
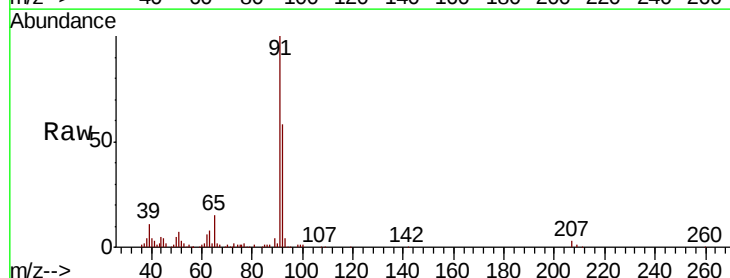
Acq: 19 Sep 2018 12:50

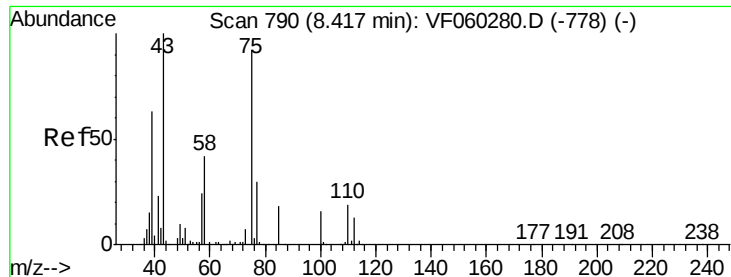
Tgt Ion: 92 Resp: 46396

Ion Ratio Lower Upper

92 100

91 172.8 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 5.55 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 24770

Ion Ratio Lower Upper

75 100

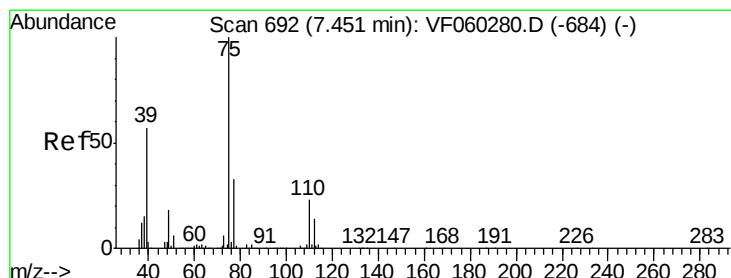
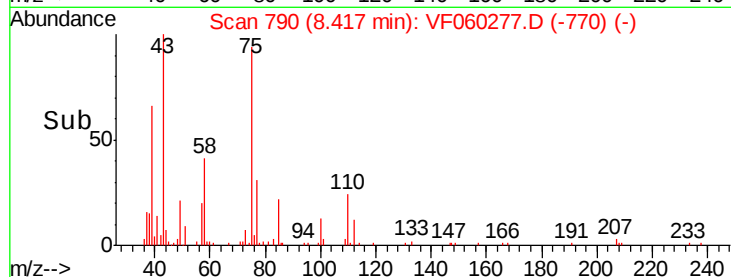
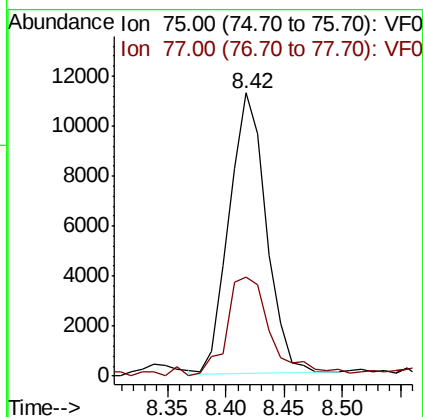
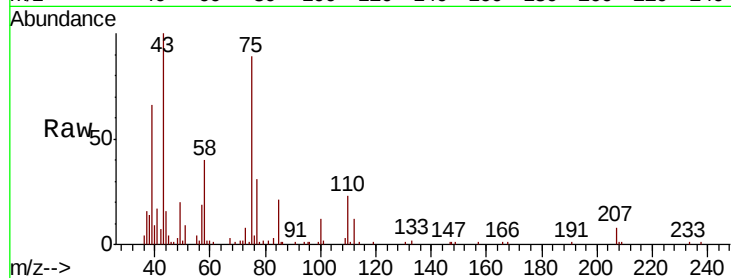
77 34.8 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 5.27 ug/l

RT: 7.45 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

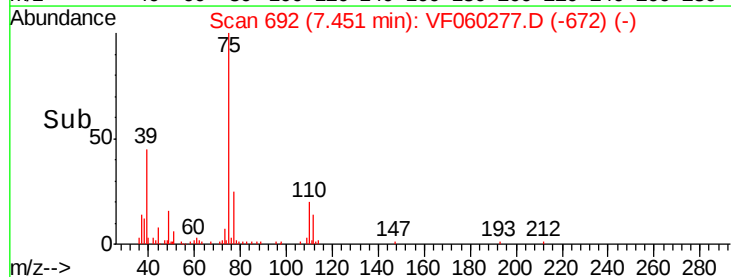
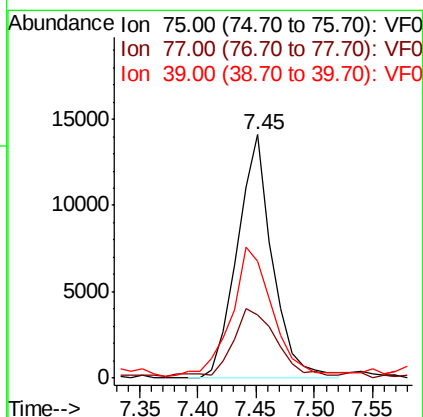
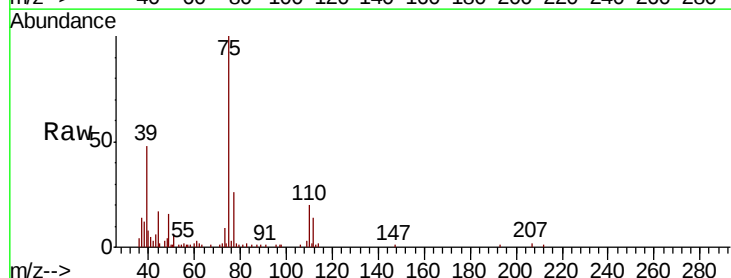
Tgt Ion: 75 Resp: 29599

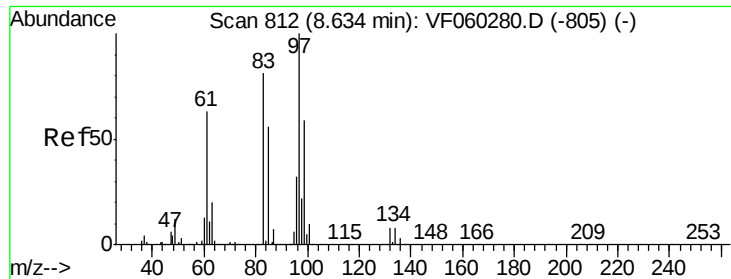
Ion Ratio Lower Upper

75 100

77 25.8 26.3 39.5#

39 47.9 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 5.20 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

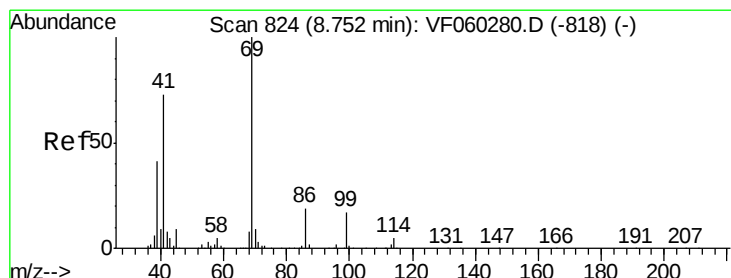
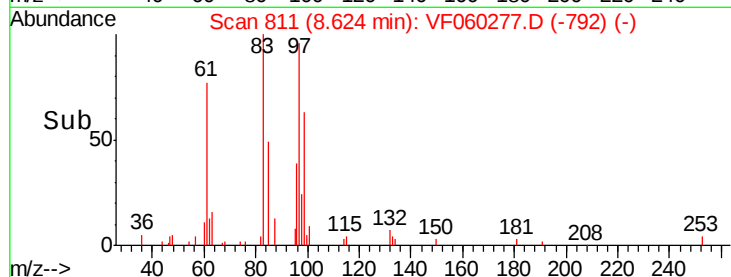
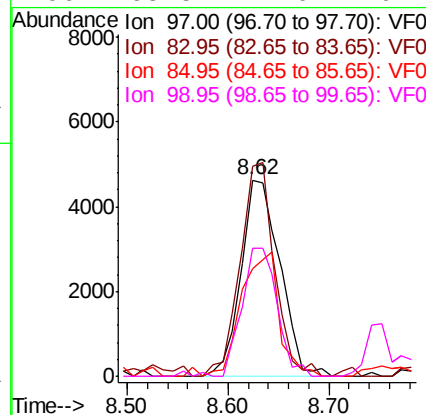
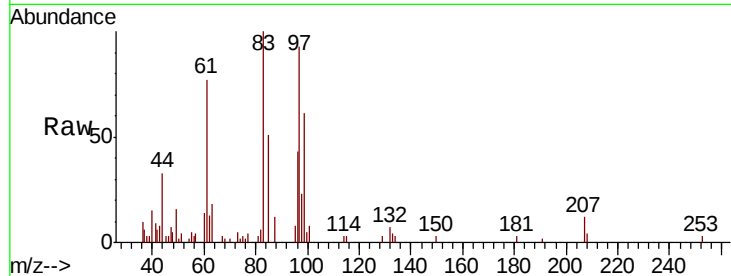
VSTDIC005

Tot Ion:	97	Resp:	12421
Ion	Ratio	Lower	Upper
97	100		
83	107.2	65.3	97.9#
85	54.6	44.7	67.1
99	65.5	47.0	70.4

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#56

Ethyl methacrylate

Concen: 5.43 ug/l

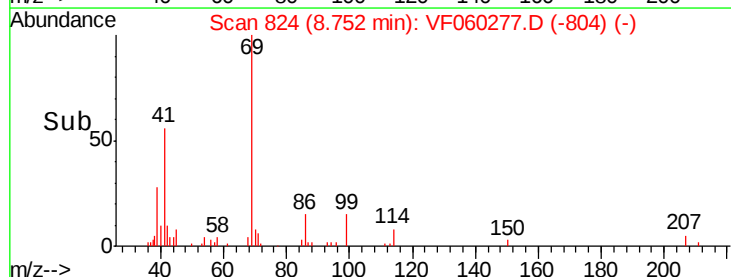
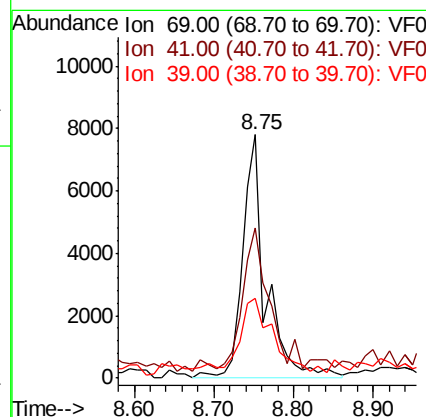
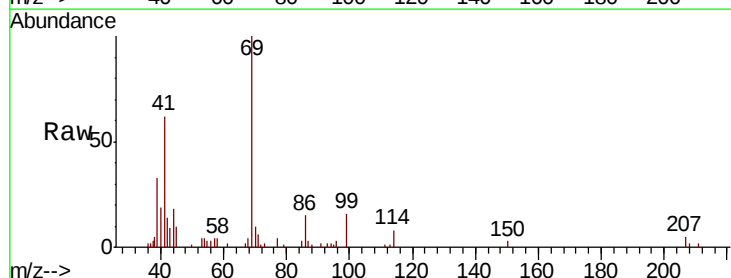
RT: 8.75 min Scan# 824

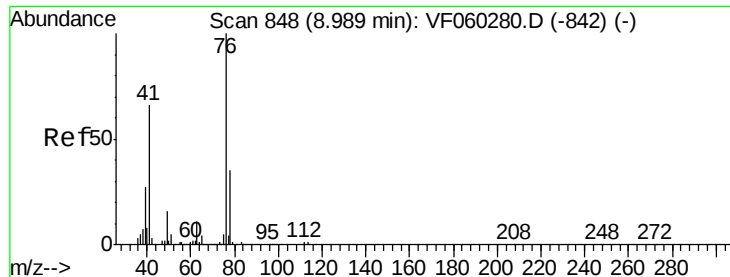
Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Tgt Ion:	69	Resp:	15652
Ion	Ratio	Lower	Upper
69	100		
41	61.7	59.4	89.2
39	32.5	33.5	50.3#





#57

1,3-Dichloropropane

Concen: 5.33 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 21059

Ion Ratio Lower Upper

76 100

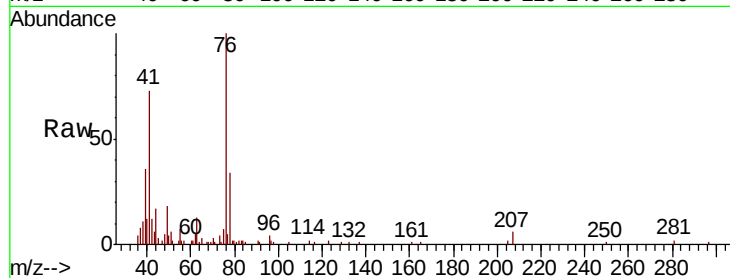
78 33.9 28.2 42.2

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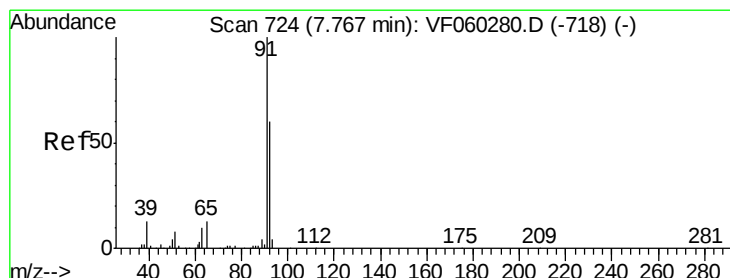
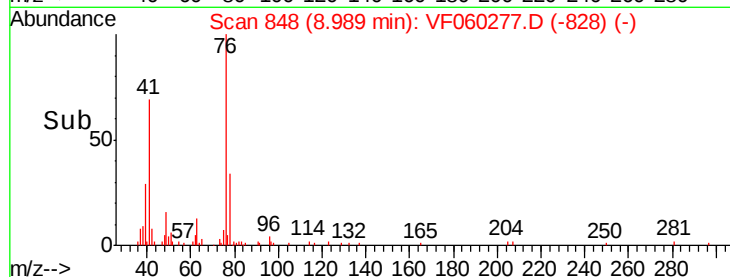
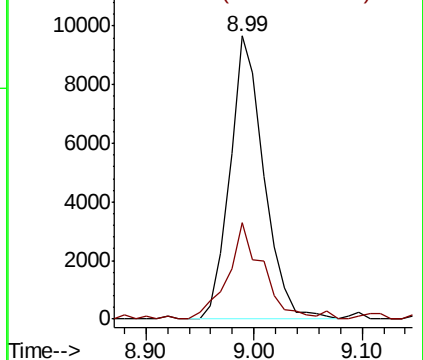
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 29.56 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.01 min

Lab File: VF060277.D

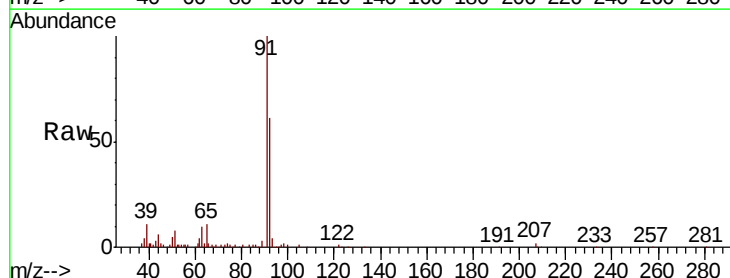
Acq: 19 Sep 2018 12:50

Tgt Ion: 63 Resp: 7537

Ion Ratio Lower Upper

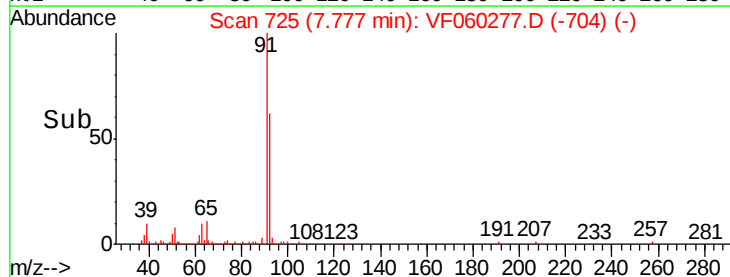
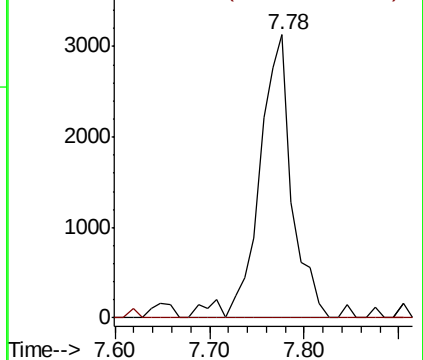
63 100

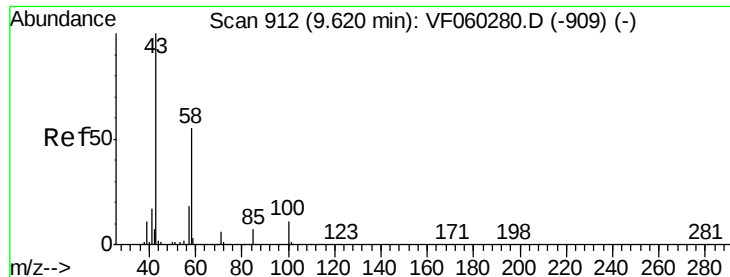
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





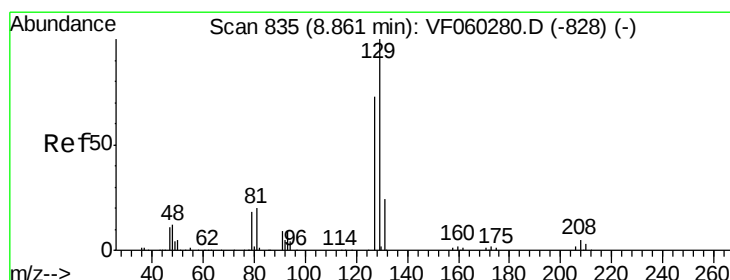
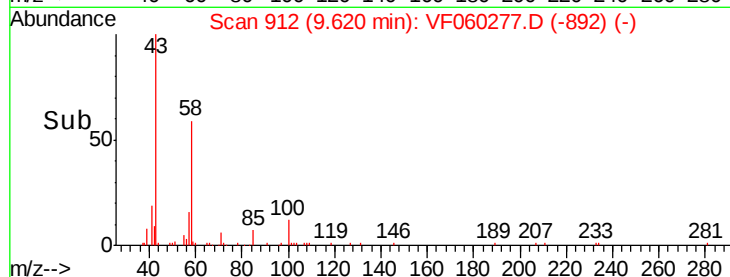
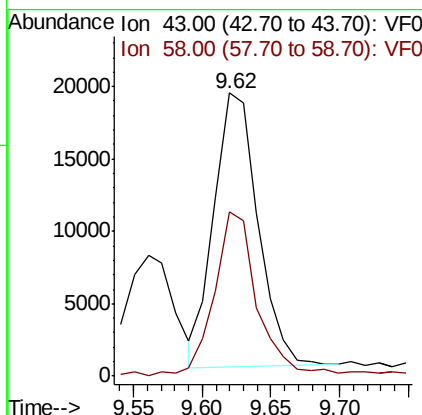
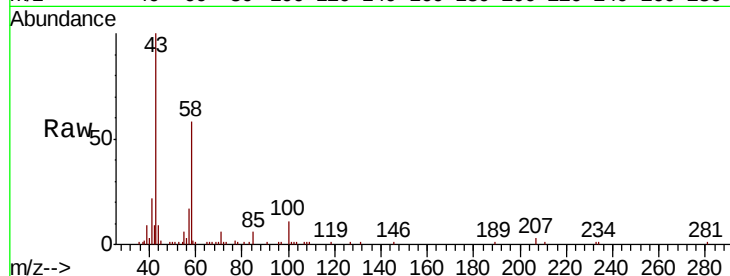
#59
2-Hexanone
Concen: 27.36 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 41963
Ion Ratio Lower Upper
43 100
58 57.9 25.9 77.6

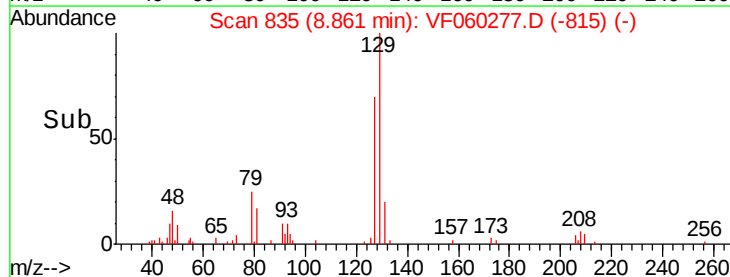
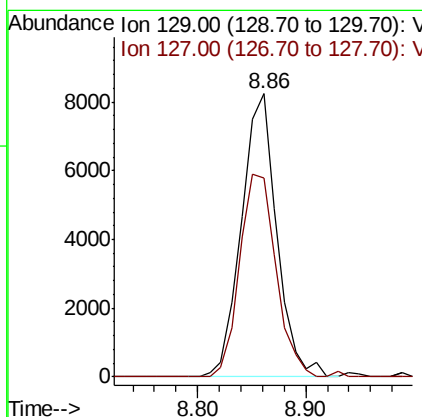
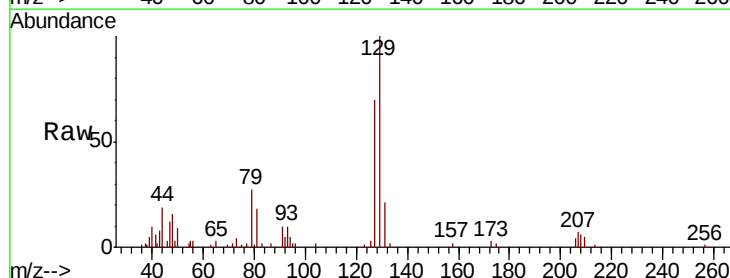
Manual Integrations
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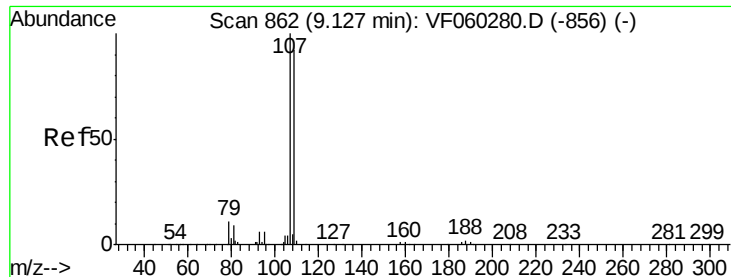
apatel
9/20/2018 11:40:01 AM



#60
Dibromochloromethane
Concen: 5.25 ug/l
RT: 8.86 min Scan# 835
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion: 129 Resp: 18677
Ion Ratio Lower Upper
129 100
127 70.3 36.6 109.8





#61

1,2-Dibromoethane

Concen: 5.33 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 14182

Ion Ratio Lower Upper

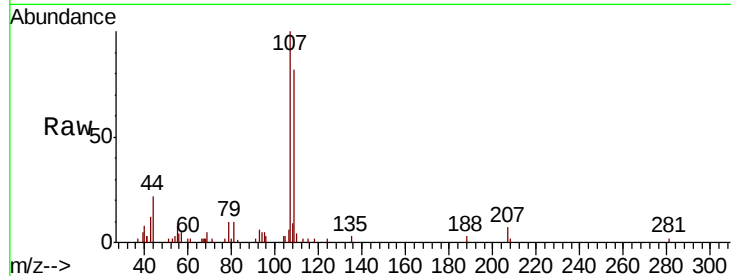
107 100

109 81.7 73.2 109.8

Manual Integrations
APPROVED

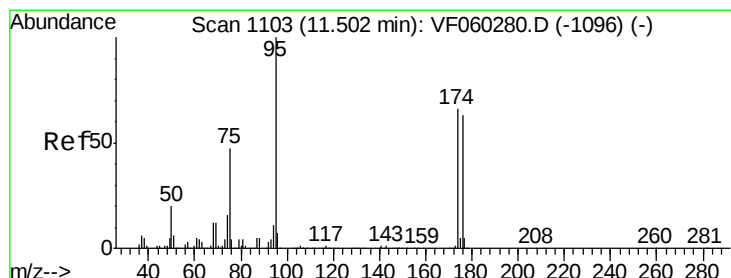
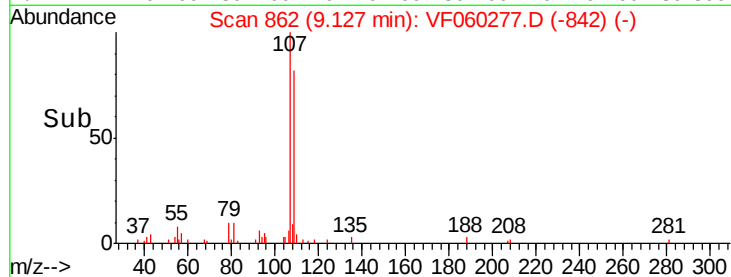
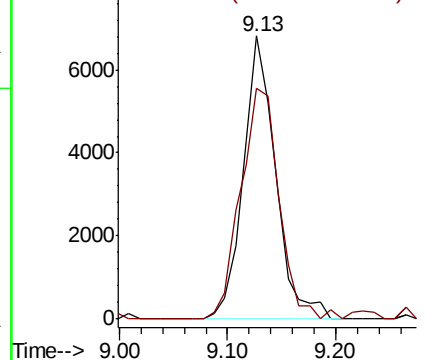
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 6.50 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

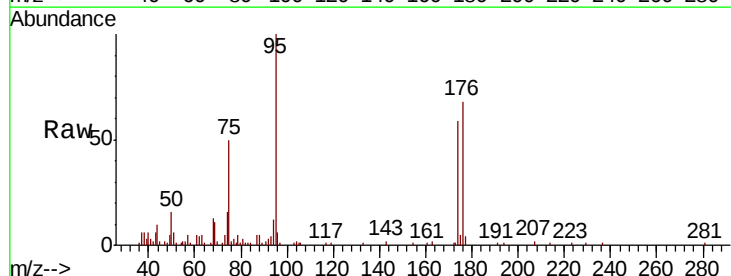
Tgt Ion: 95 Resp: 28670

Ion Ratio Lower Upper

95 100

174 58.9 0.0 131.2

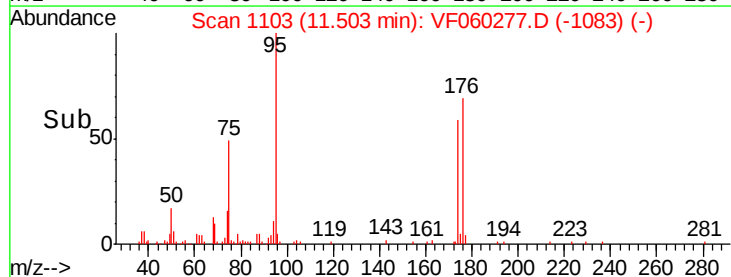
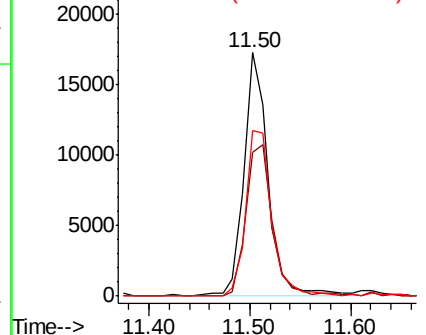
176 68.2 0.0 126.6

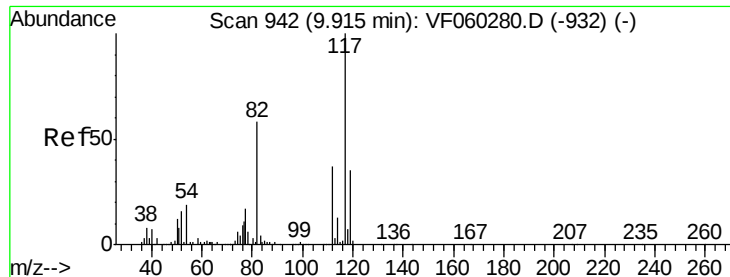


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





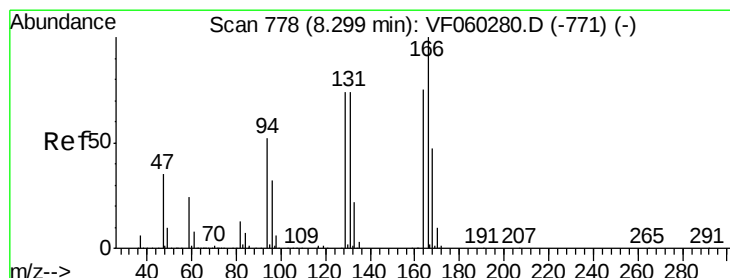
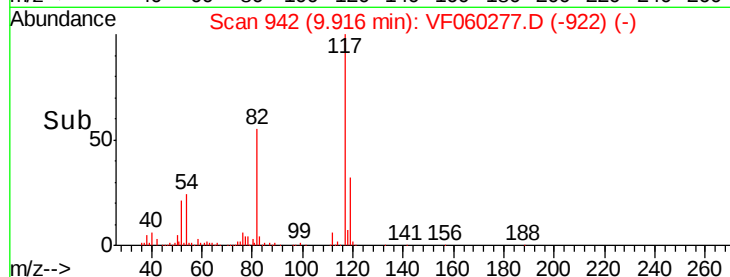
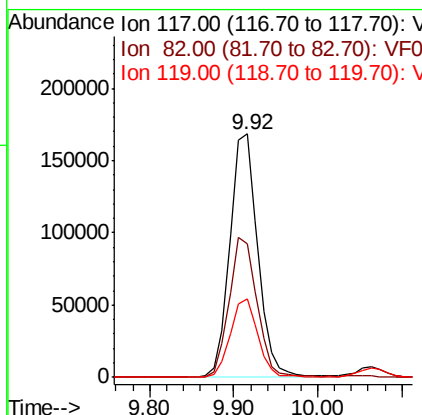
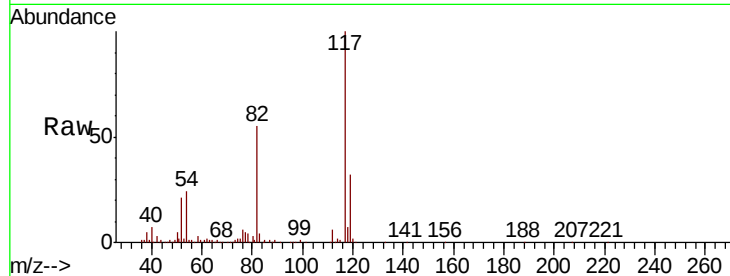
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.2	69.2
119	32.1	27.8	41.6

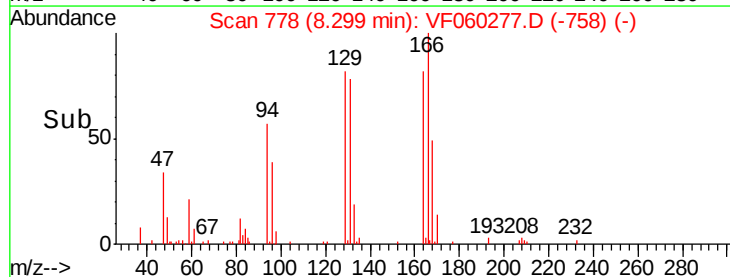
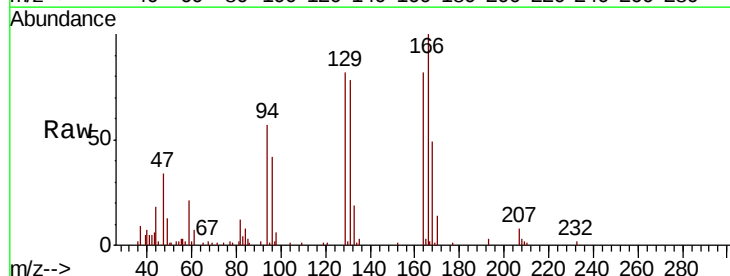
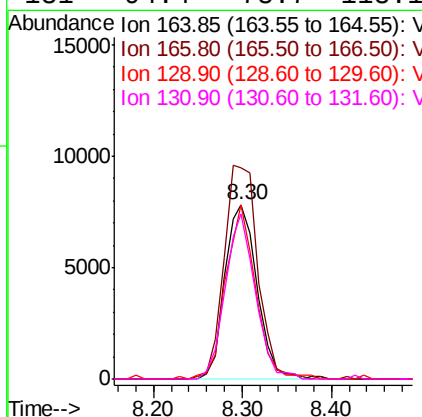
Manual Integrations
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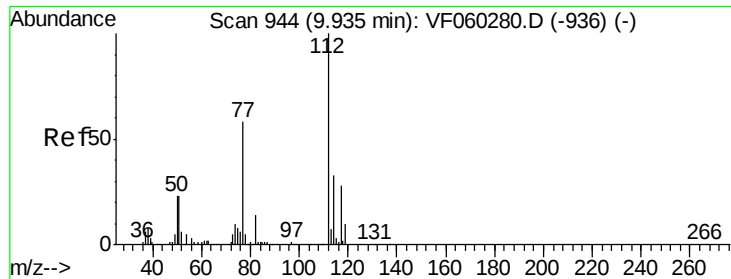
apatel
9/20/2018 11:40:01 AM



#64
Tetrachloroethene
Concen: 5.60 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.4	106.8	160.2
129	99.5	78.8	118.2
131	94.4	78.7	118.1





#65

Chlorobenzene

Concen: 5.45 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 48474

Ion Ratio Lower Upper

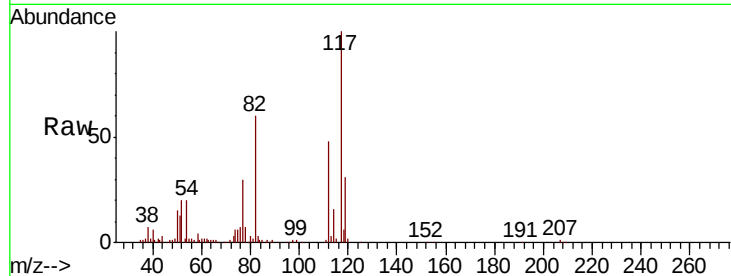
112 100

114 32.8 26.6 40.0

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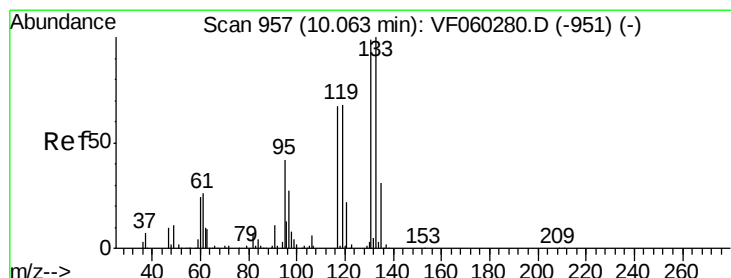
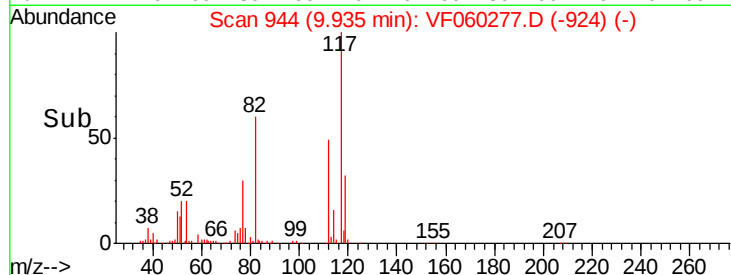
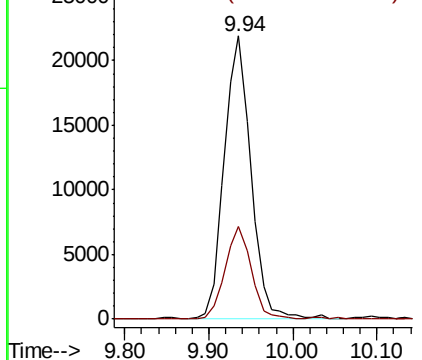
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.38 ug/l

RT: 10.06 min Scan# 957

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

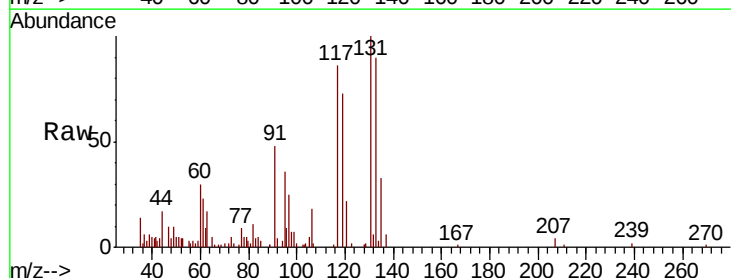
Tgt Ion:131 Resp: 19843

Ion Ratio Lower Upper

131 100

133 90.4 50.4 151.2

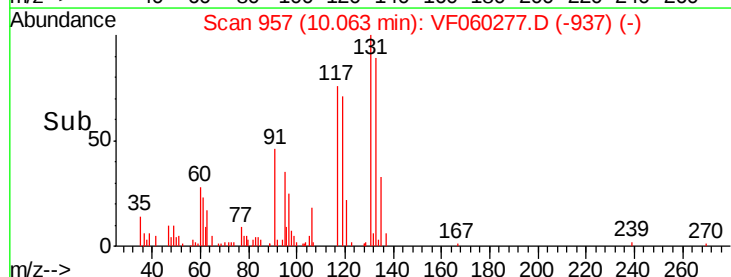
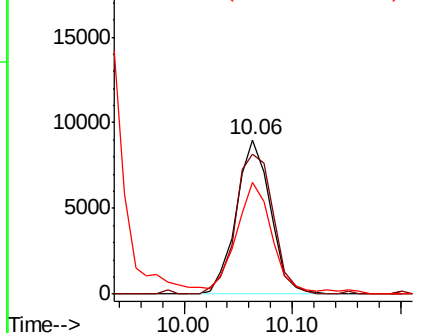
119 72.9 34.8 104.3

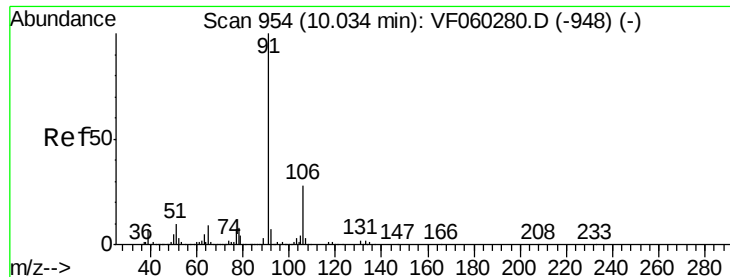


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 5.69 ug/l

RT: 10.03 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 93527

Ion Ratio Lower Upper

91 100

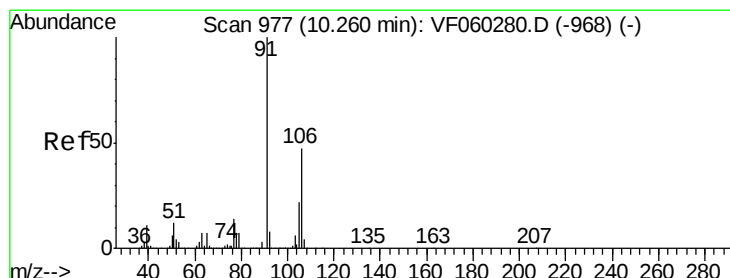
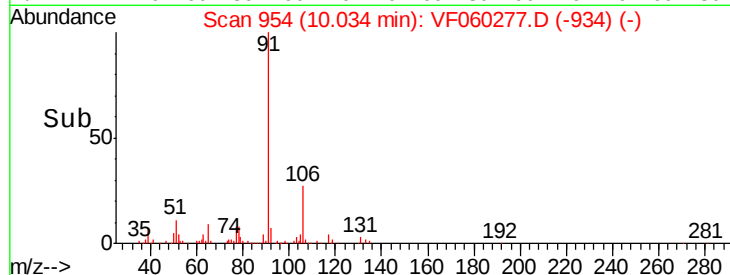
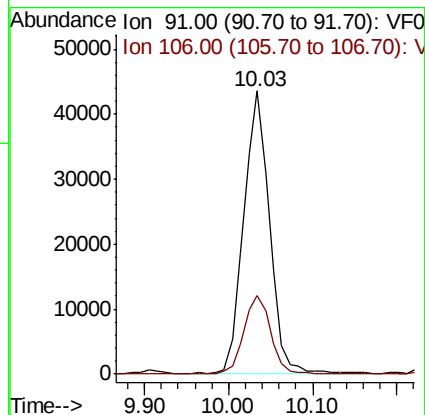
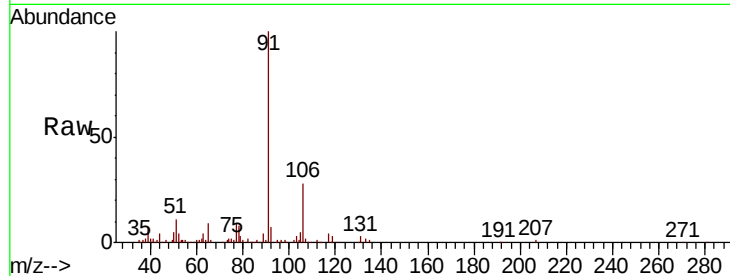
106 27.6 22.7 34.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 11.47 ug/l

RT: 10.26 min Scan# 977

Delta R.T. 0.00 min

Lab File: VF060277.D

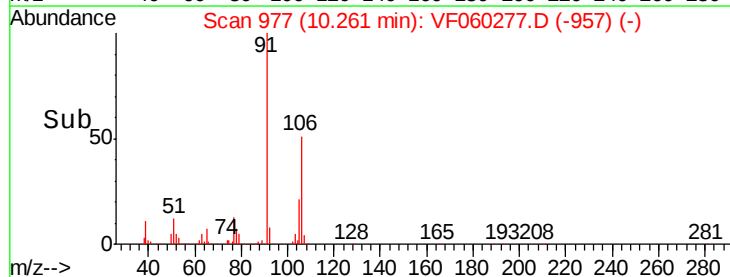
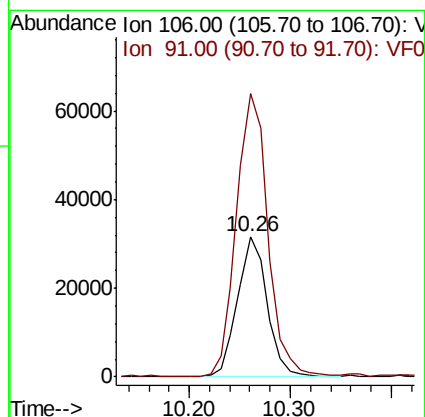
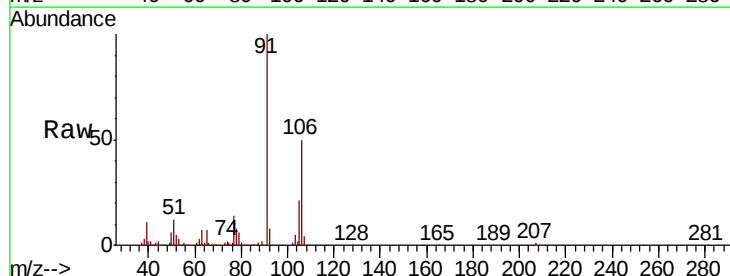
Acq: 19 Sep 2018 12:50

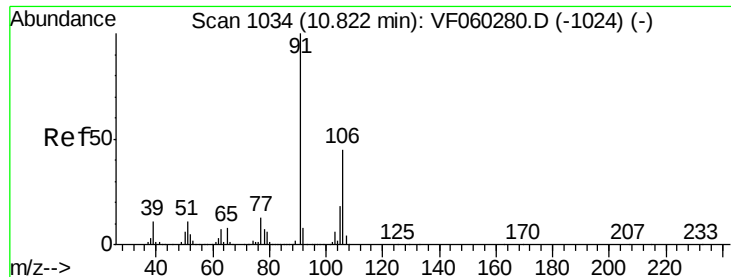
Tgt Ion: 106 Resp: 65140

Ion Ratio Lower Upper

106 100

91 201.8 172.3 258.5





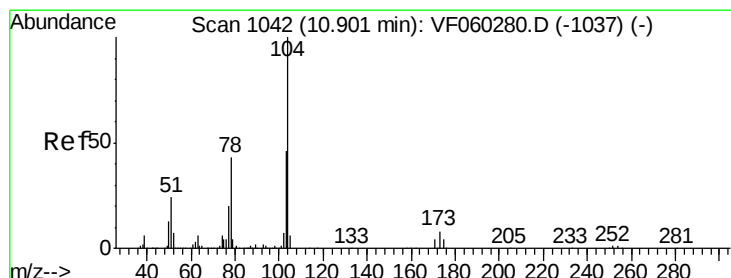
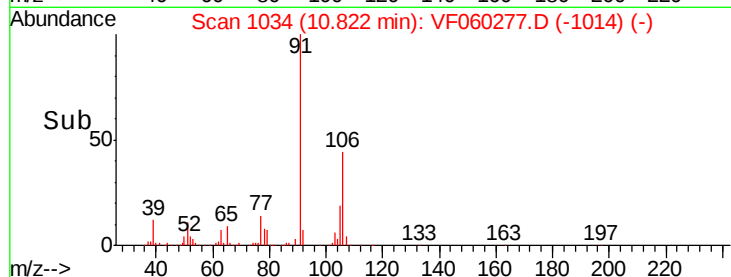
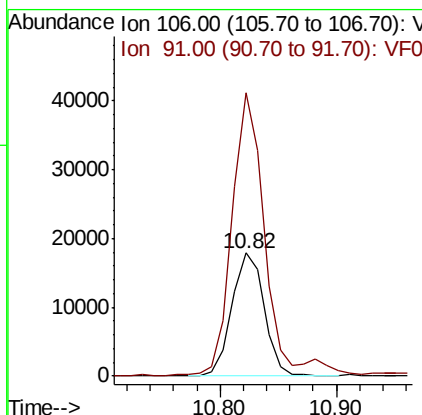
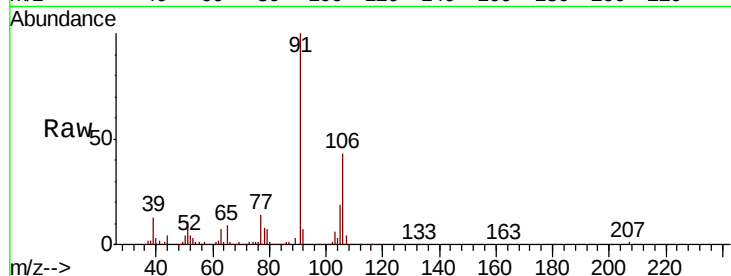
#69
o-Xylene
Concen: 5.43 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 34592
Ion Ratio Lower Upper
106 100
91 230.4 110.9 332.6

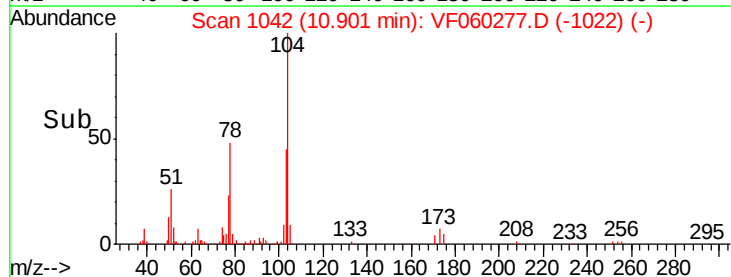
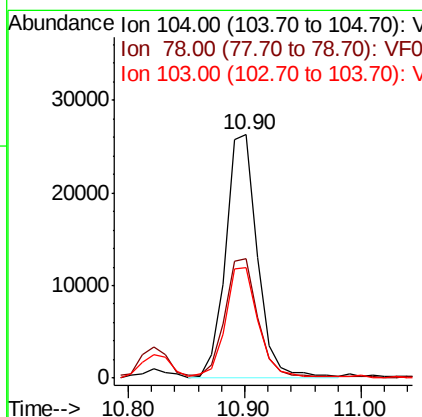
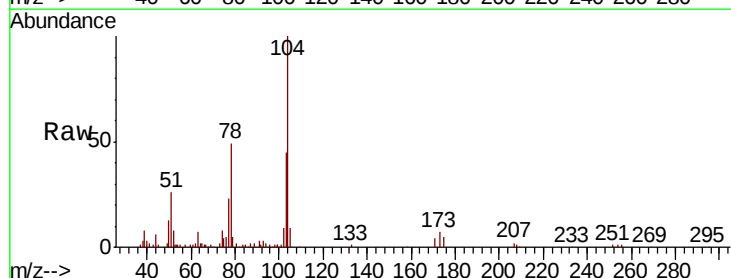
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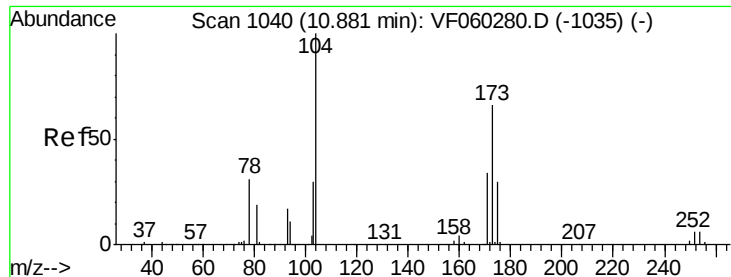
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#70
Styrene
Concen: 5.59 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion:104 Resp: 50180
Ion Ratio Lower Upper
104 100
78 49.1 35.0 52.6
103 45.2 37.4 56.0





#71

Bromoform

Concen: 4.81 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 9745

Ion Ratio Lower Upper

173 100

175 45.3 22.3 66.9

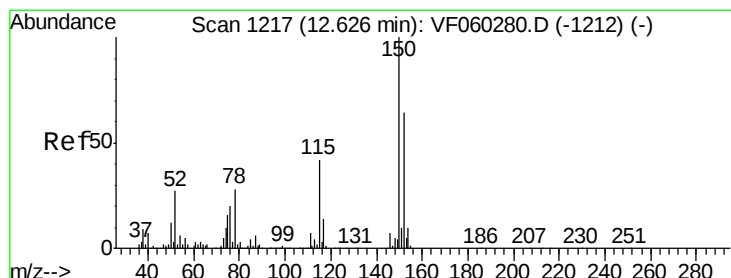
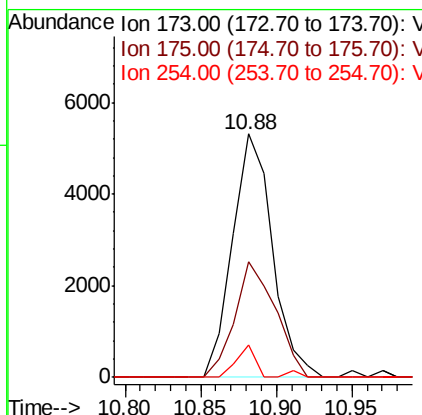
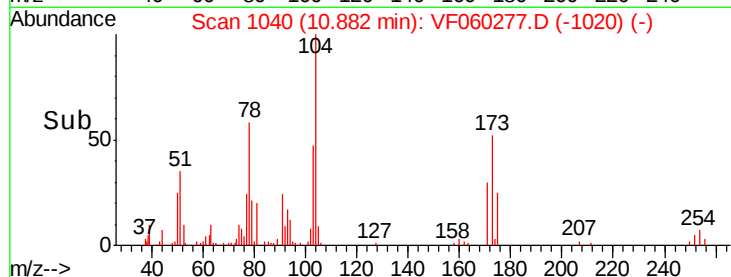
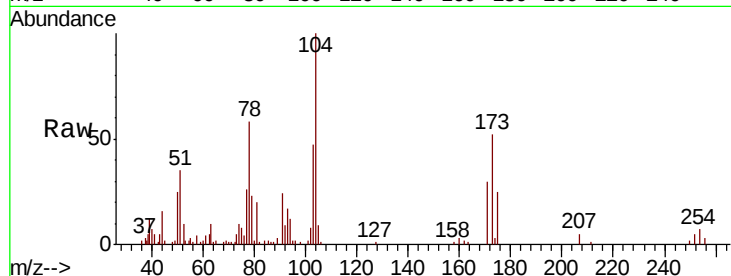
254 12.7 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

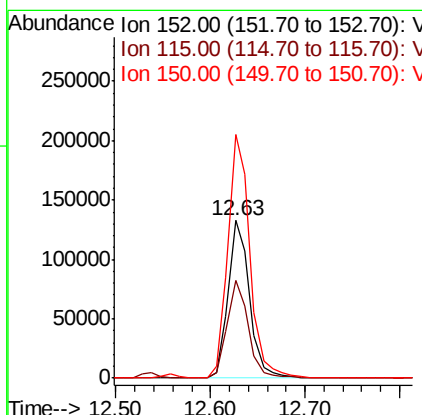
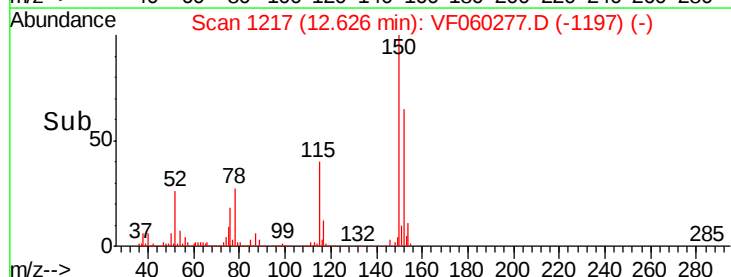
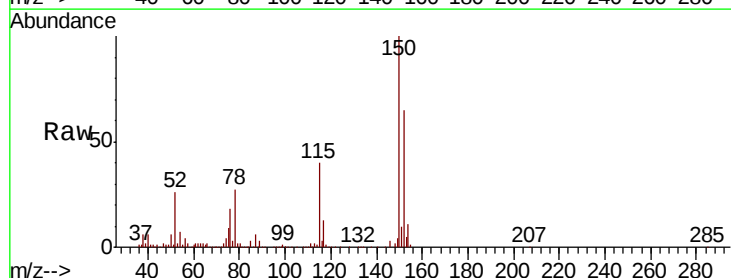
Tgt Ion:152 Resp: 208438

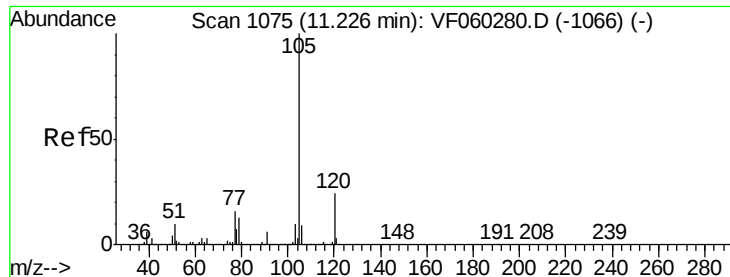
Ion Ratio Lower Upper

152 100

115 62.2 32.6 97.8

150 154.6 0.0 314.2





#73

Isopropylbenzene

Concen: 5.62 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 105115

Ion Ratio Lower Upper

105 100

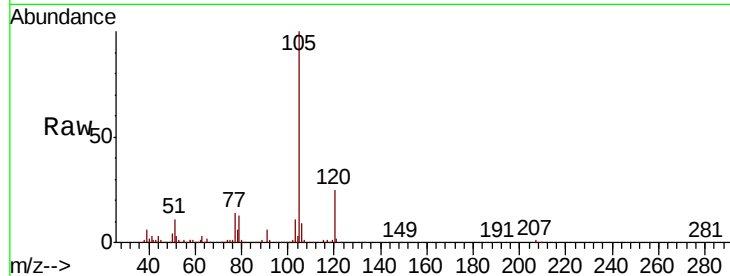
120 25.4 12.2 36.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

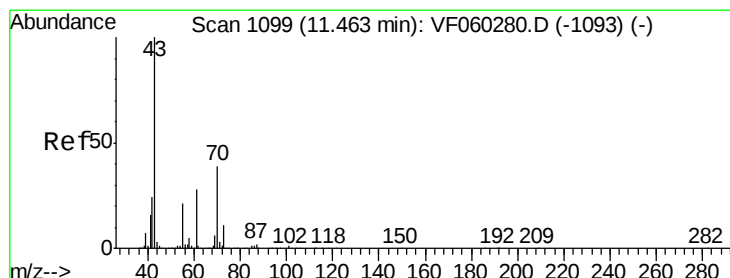
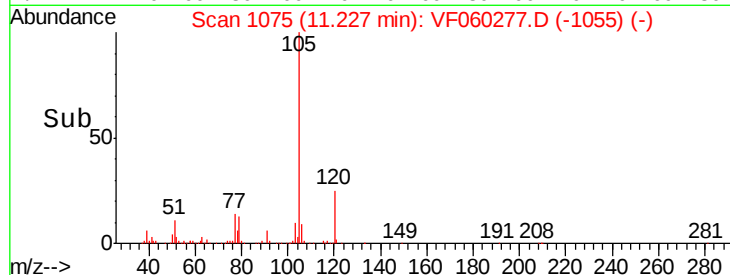
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 5.16 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Tgt Ion: 43 Resp: 20600

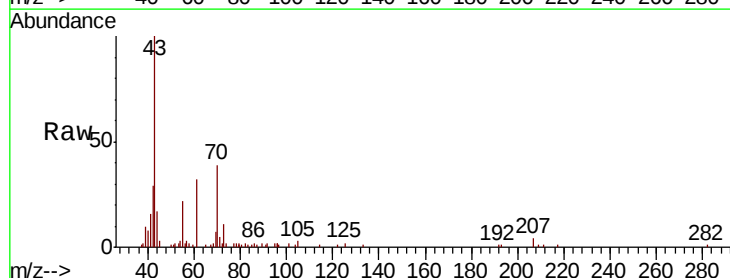
Ion Ratio Lower Upper

43 100

70 38.5 31.4 47.2

55 22.3 16.8 25.2

61 32.3 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.46

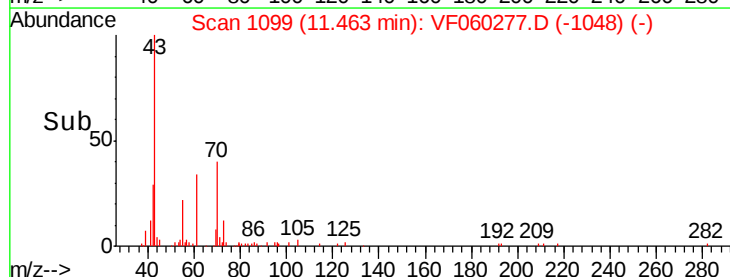
15000

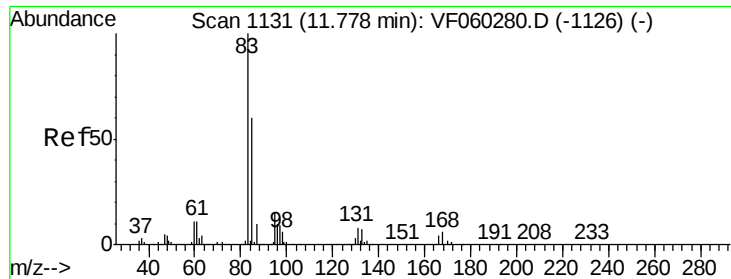
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.08 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

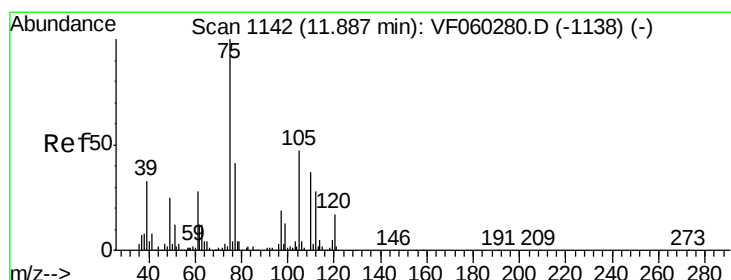
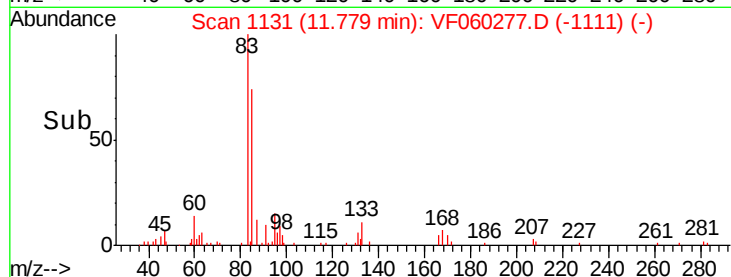
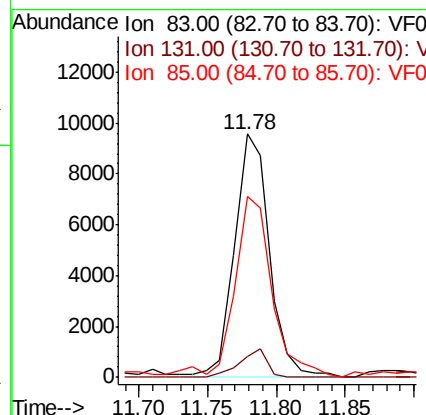
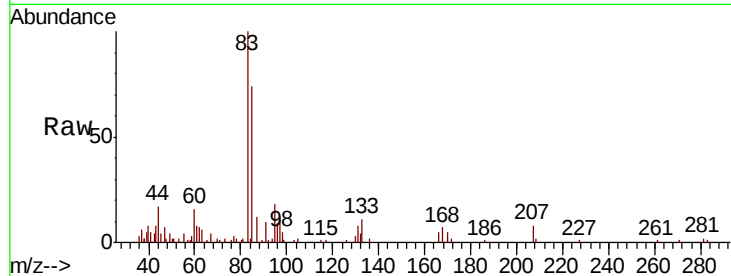
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16856
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.2	12.4
85	74.4	30.1	90.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.87 ug/l

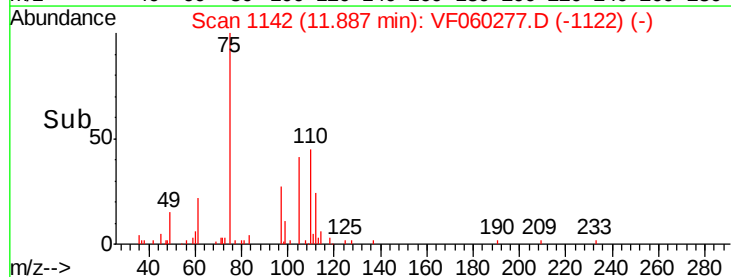
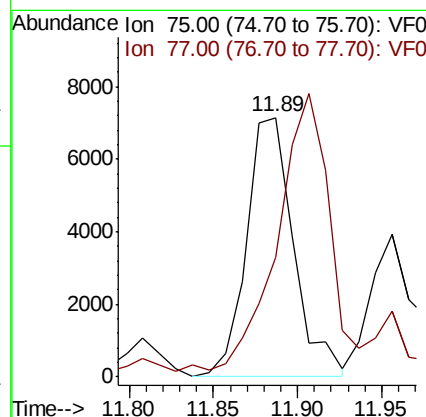
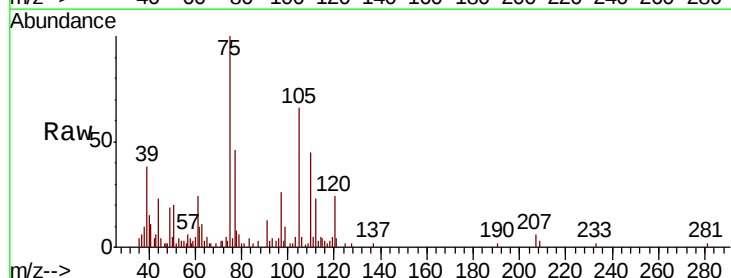
RT: 11.89 min Scan# 1142

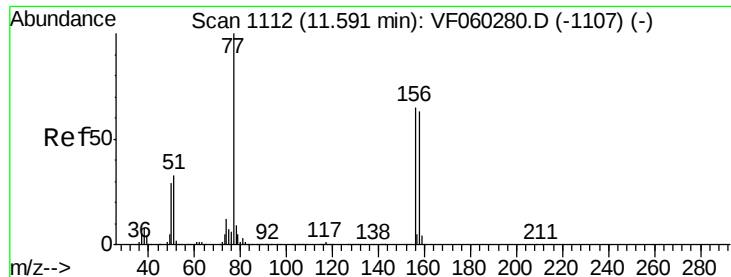
Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Tgt Ion:	75	Resp:	13942
Ion Ratio	Lower	Upper	
75	100		
77	46.2	20.5	61.5





#77

Bromobenzene

Concen: 5.67 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 22872

Ion Ratio Lower Upper

156 100

77 148.1 77.3 232.1

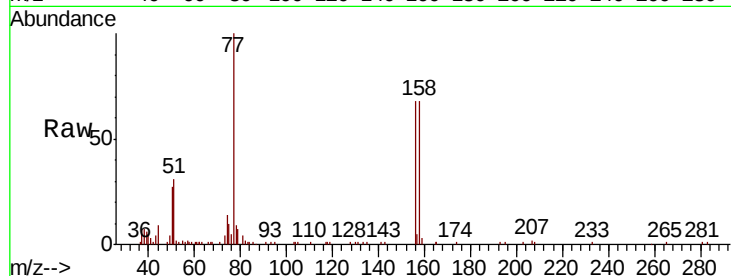
158 100.7 48.4 145.2

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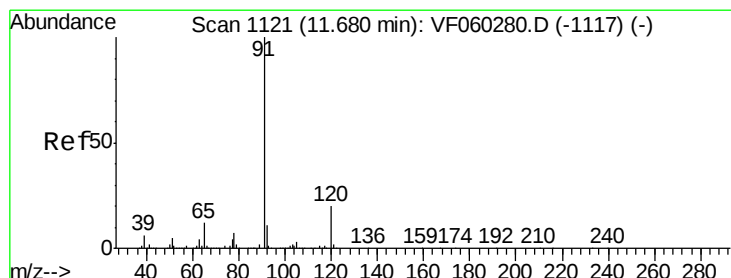
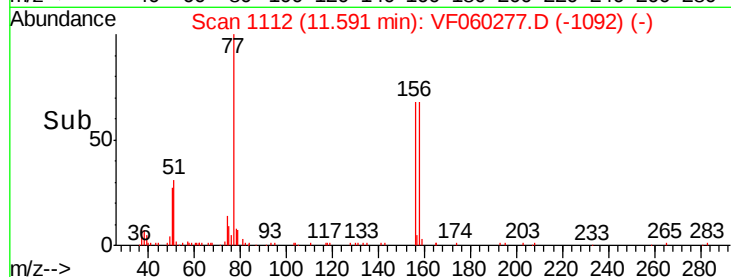
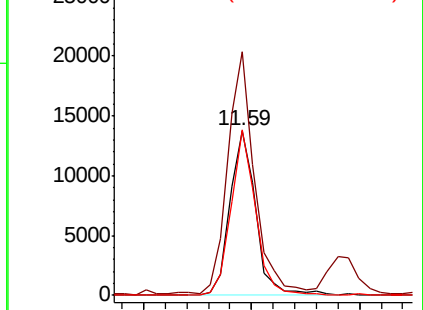
9/20/2018 11:40:01 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 5.95 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060277.D

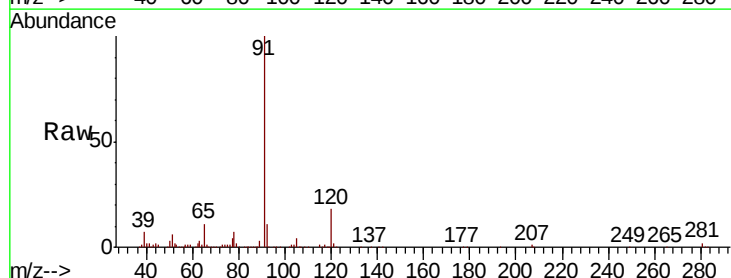
Acq: 19 Sep 2018 12:50

Tgt Ion: 91 Resp: 131375

Ion Ratio Lower Upper

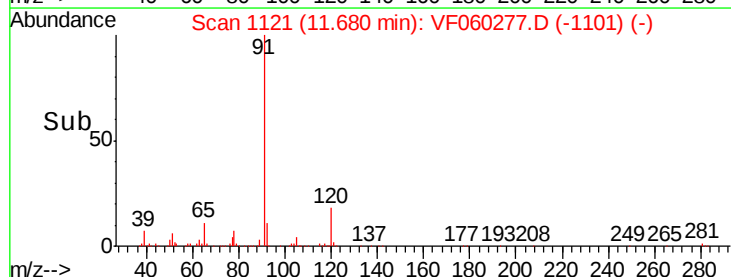
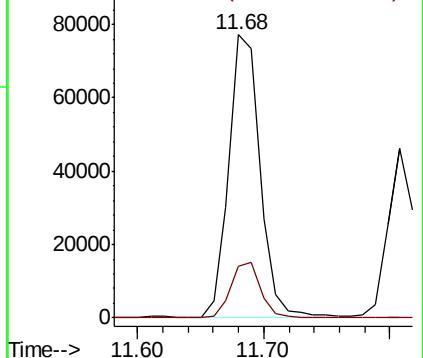
91 100

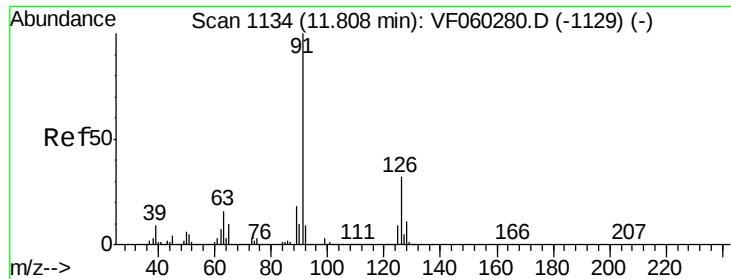
120 18.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.49 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 69303

Ion Ratio Lower Upper

91 100

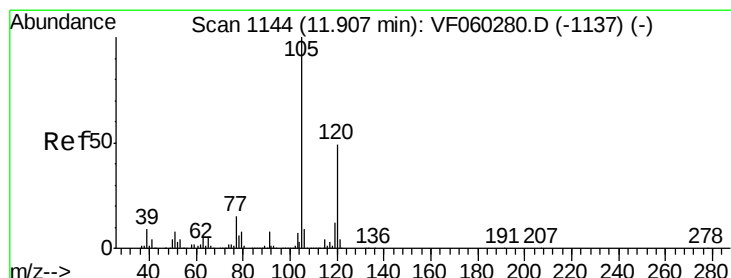
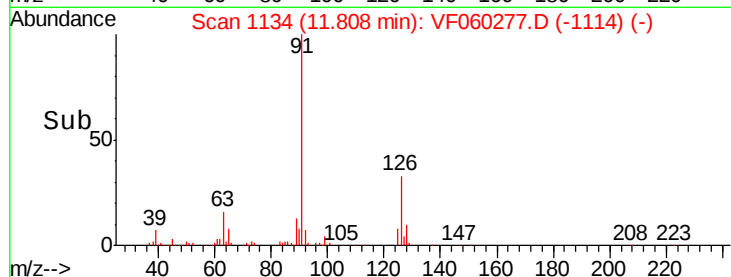
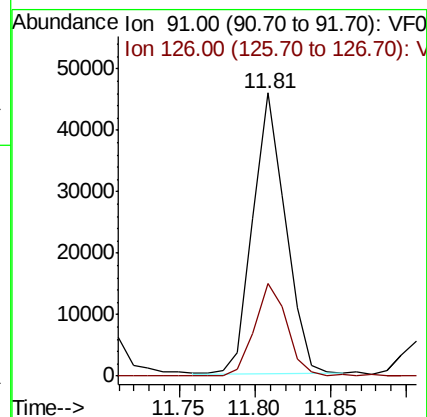
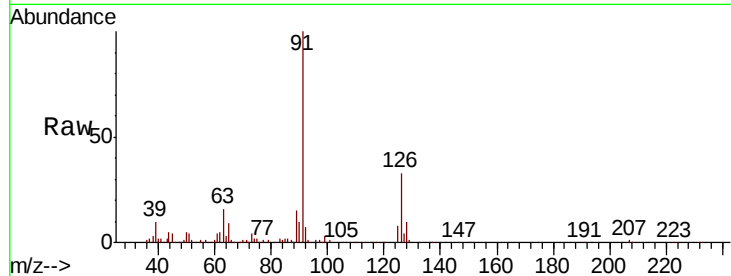
126 32.9 16.1 48.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.66 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060277.D

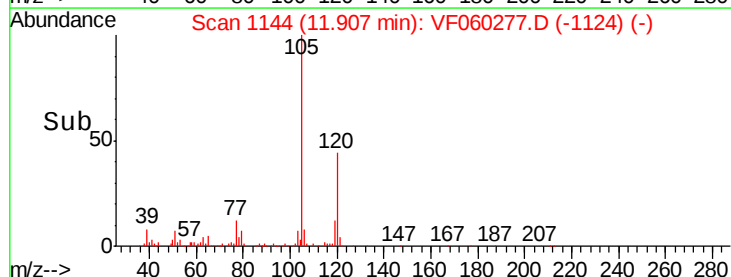
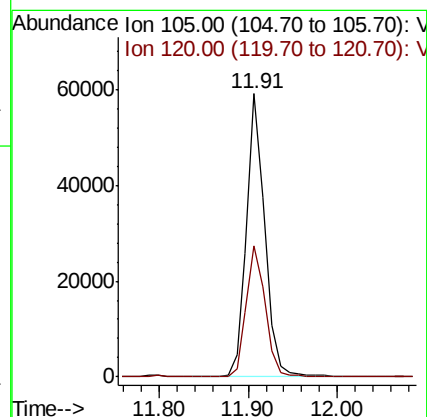
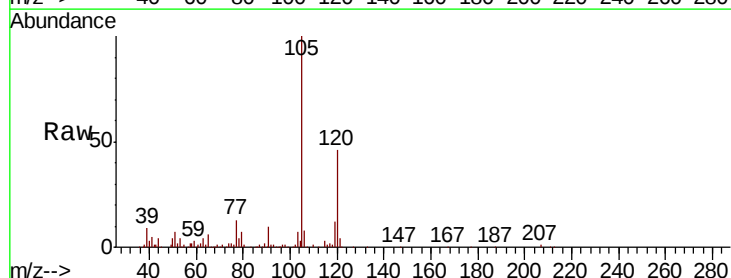
Acq: 19 Sep 2018 12:50

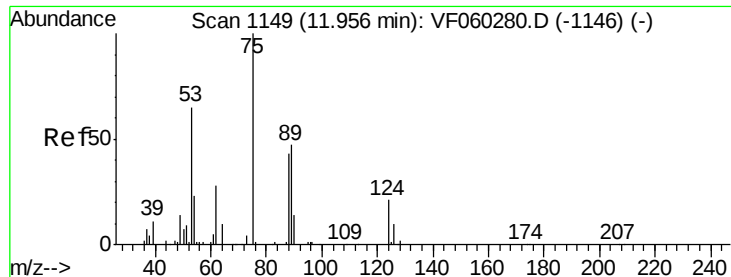
Tgt Ion: 105 Resp: 85195

Ion Ratio Lower Upper

105 100

120 46.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.49 ug/l m

RT: 11.96 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

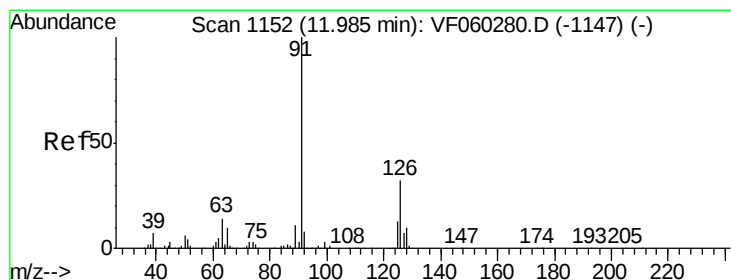
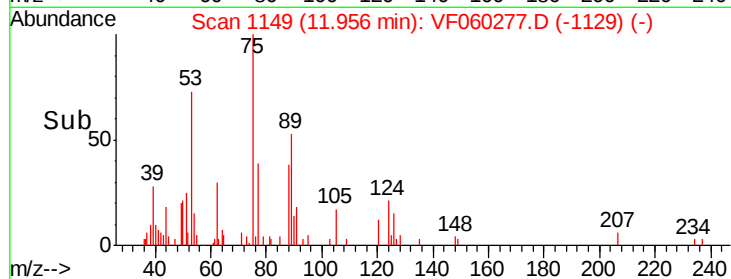
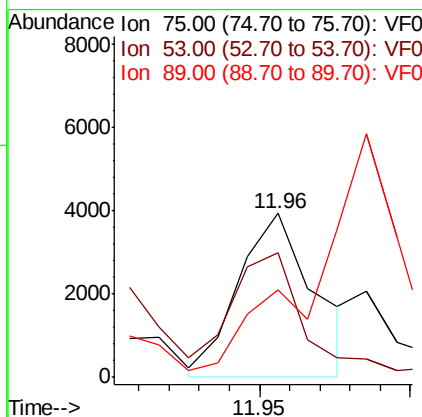
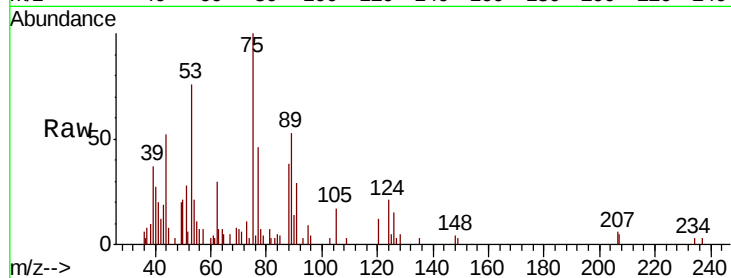
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	6869
Ion	Ratio	Lower	Upper
75	100		
53	75.9	56.5	84.7
89	53.0	40.6	60.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.57 ug/l

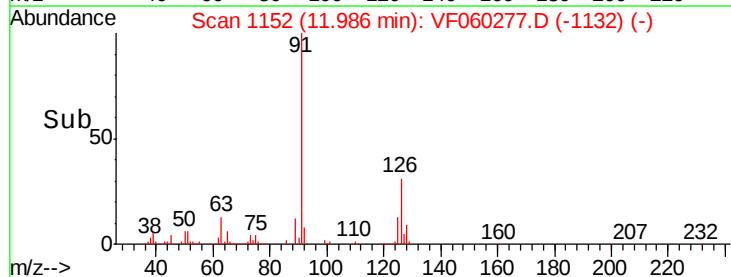
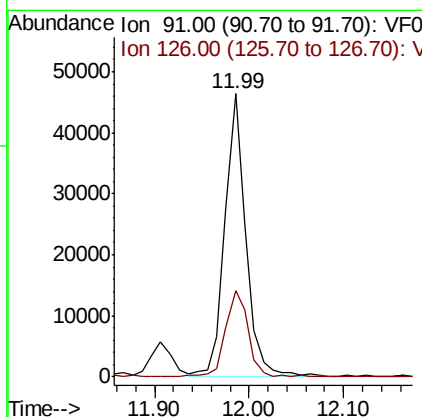
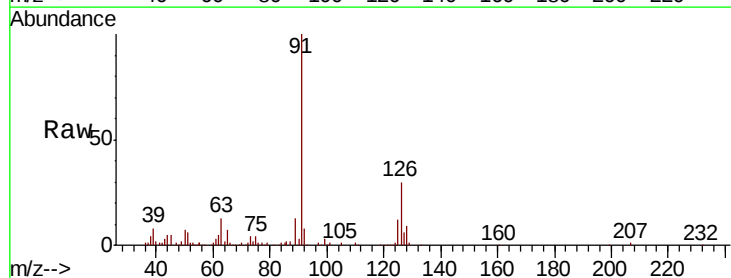
RT: 11.99 min Scan# 1152

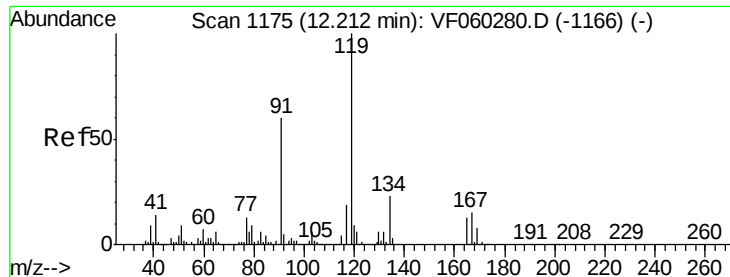
Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Tgt Ion:	91	Resp:	70681
Ion	Ratio	Lower	Upper
91	100		
126	30.3	16.1	48.2





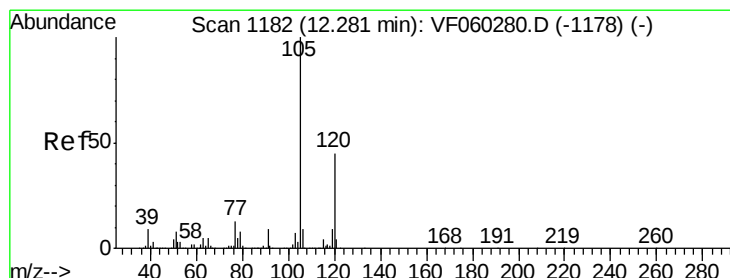
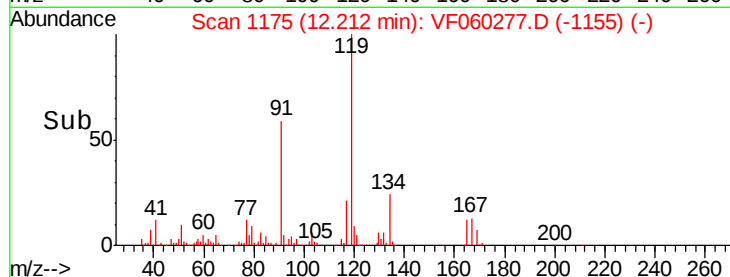
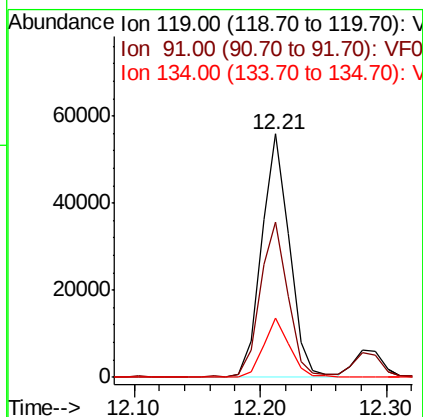
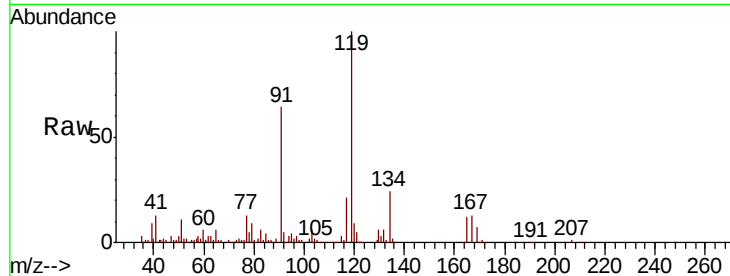
#83
 tert-Butylbenzene
 Concen: 5.62 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	85794		
91	63.7	30.3	91.0	
134	24.1	11.6	34.8	

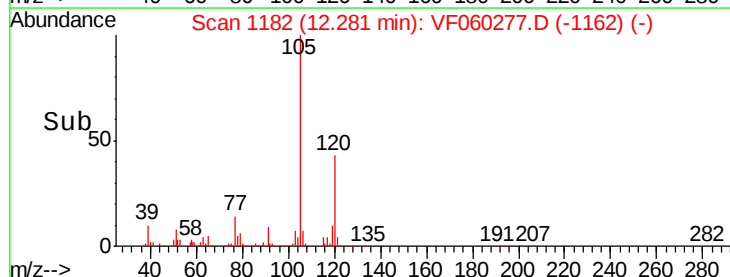
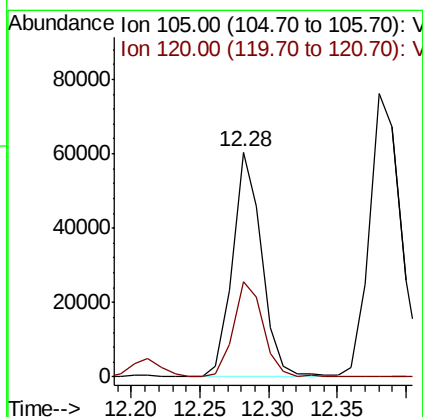
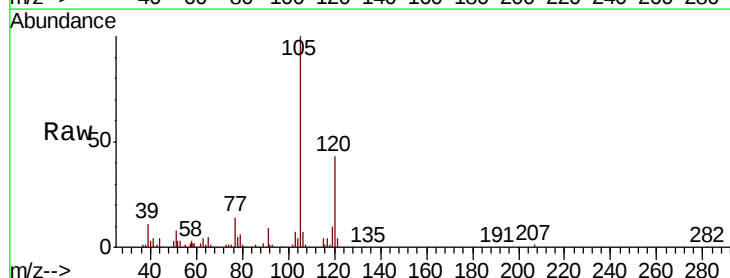
Manual Integrations
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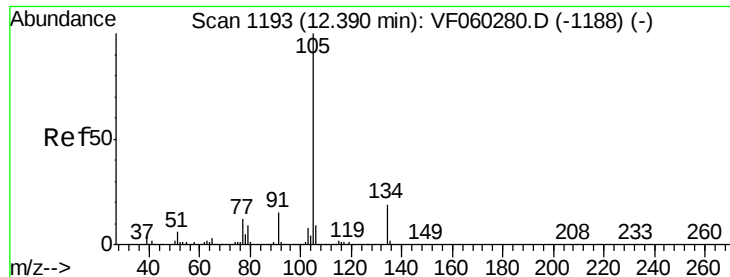
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.84 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	89396		
120	42.6	22.4	67.0	





#85

sec-Butylbenzene

Concen: 5.74 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 121430

Ion Ratio Lower Upper

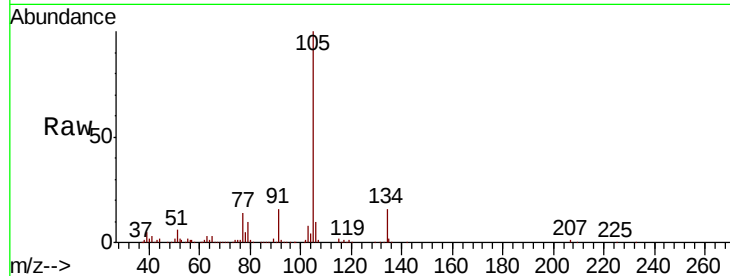
105 100

134 16.3 9.6 28.6

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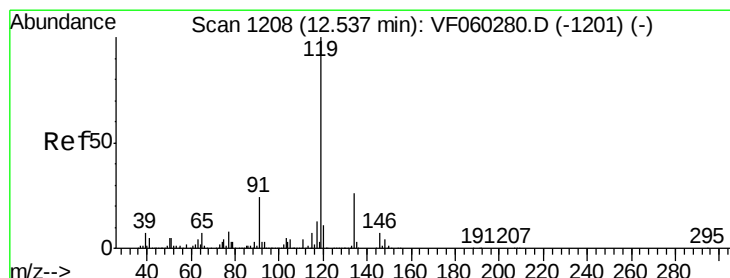
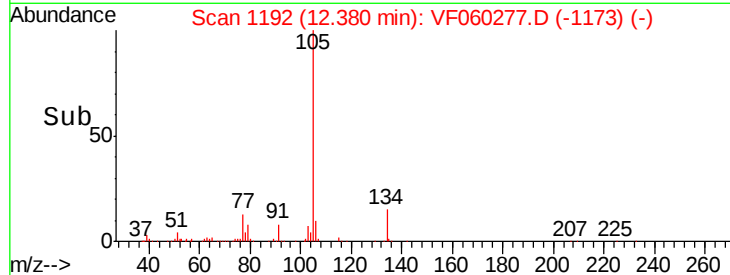
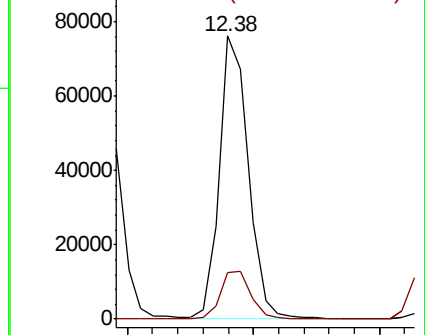
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.56 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

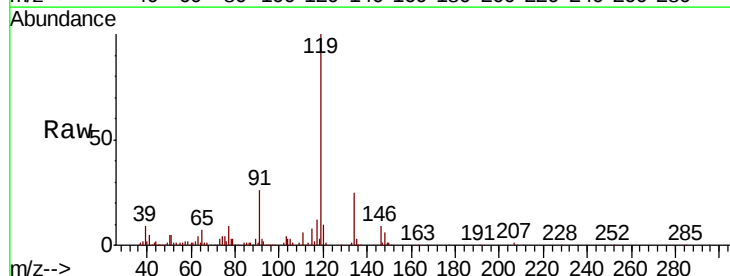
Tgt Ion:119 Resp: 93058

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.7

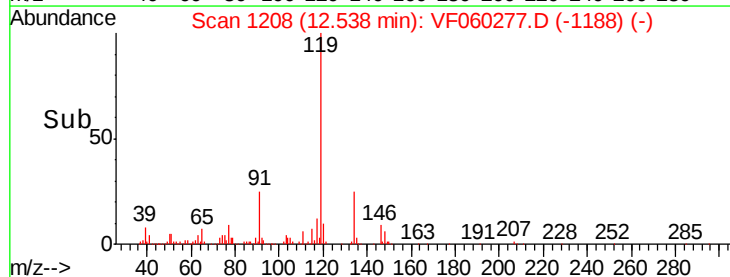
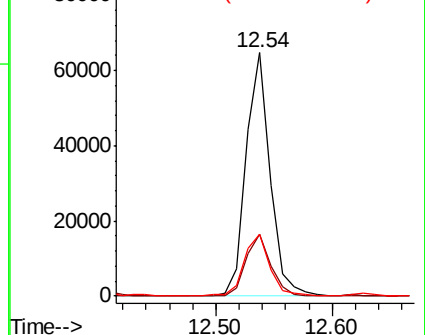
91 25.5 11.9 35.7

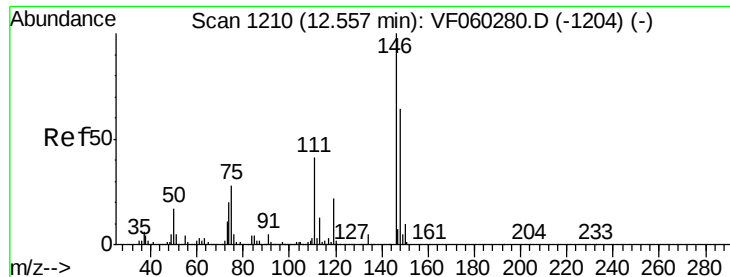


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





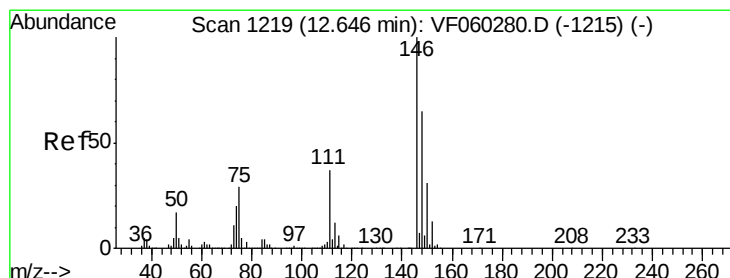
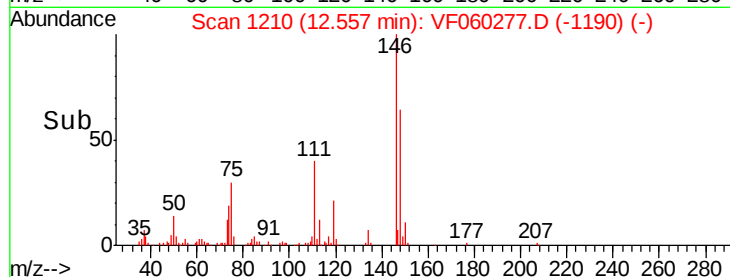
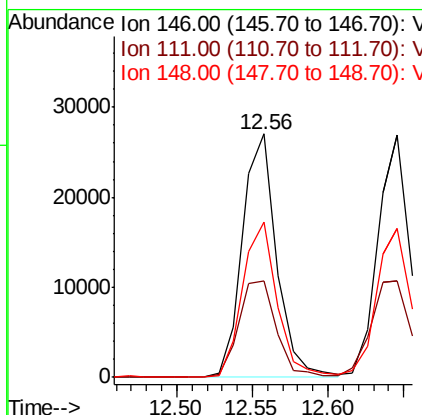
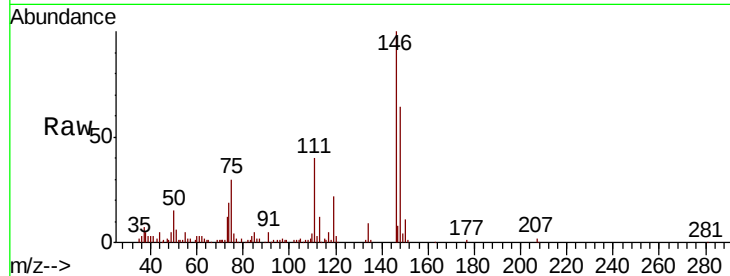
#87
 1,3-Dichlorobenzene
 Concen: 5.66 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.5	61.6
148	63.9	32.2	96.6

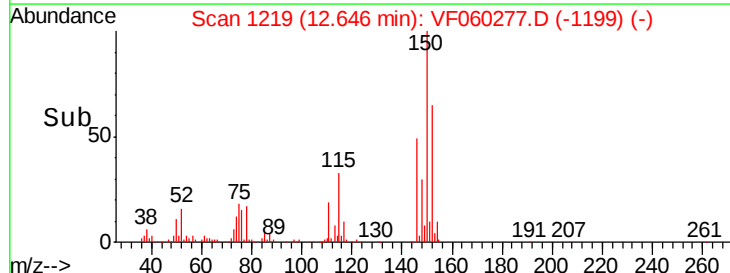
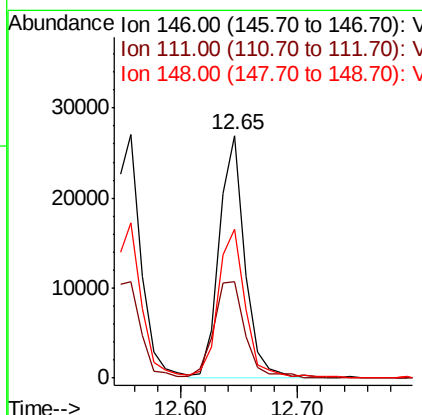
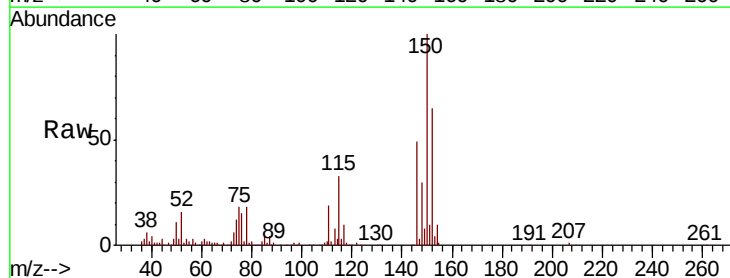
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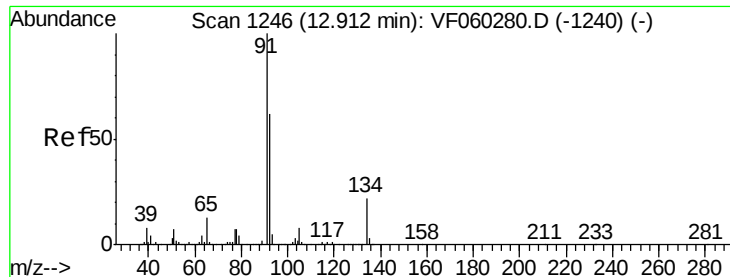
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 5.56 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.7	56.1
148	61.2	32.4	97.0





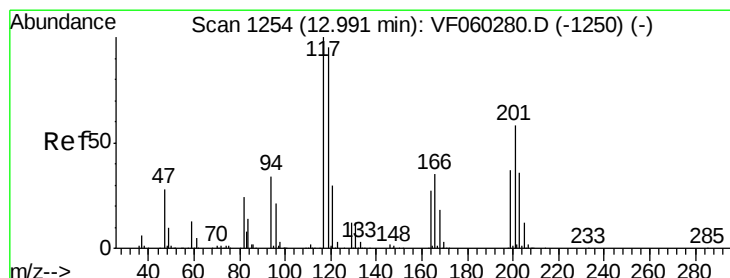
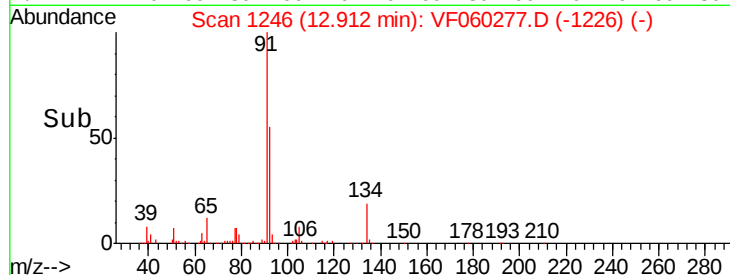
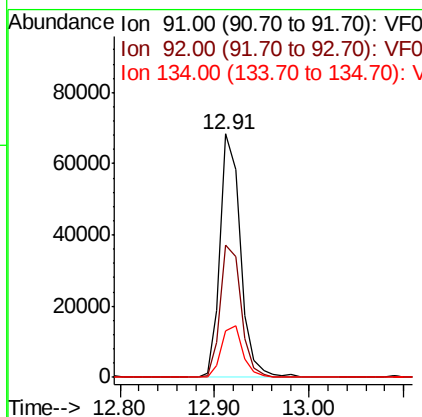
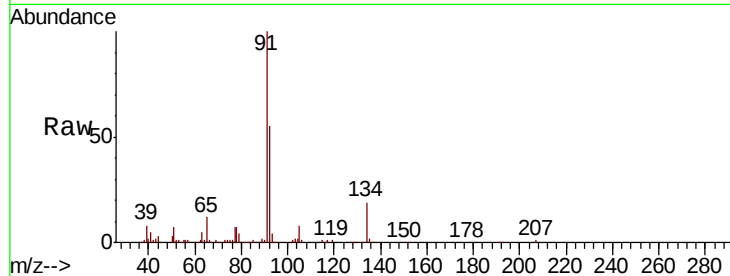
#89
n-Butylbenzene
Concen: 5.76 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	31.1	93.5
134	19.0	11.0	33.0

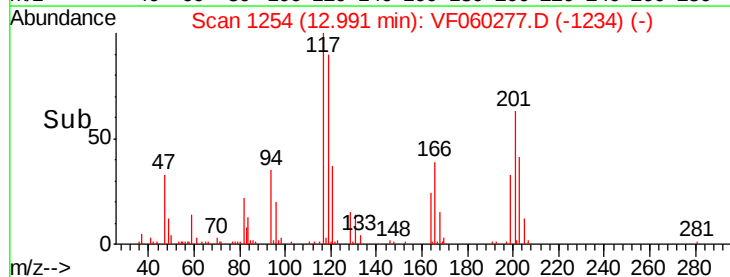
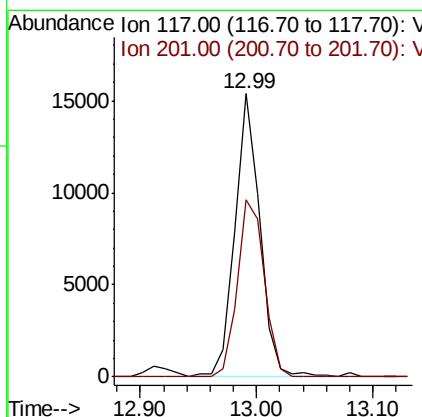
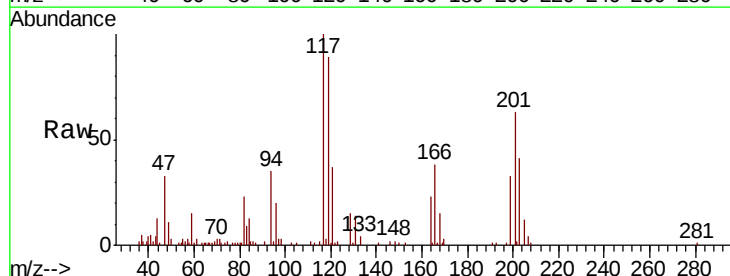
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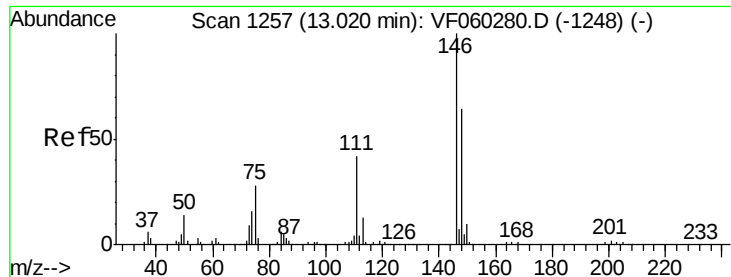
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#90
Hexachloroethane
Concen: 5.35 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.8	29.0	87.0





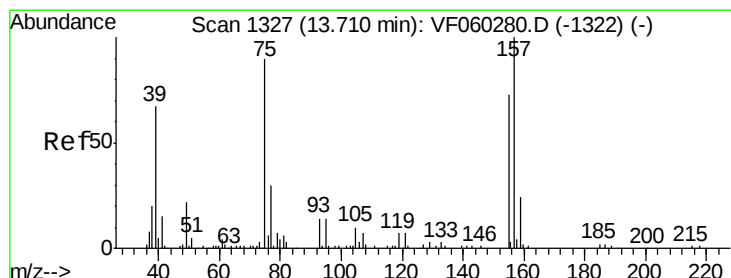
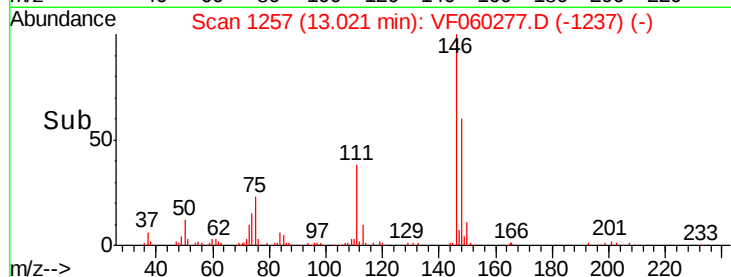
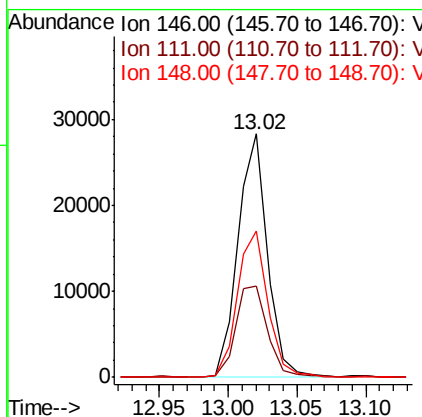
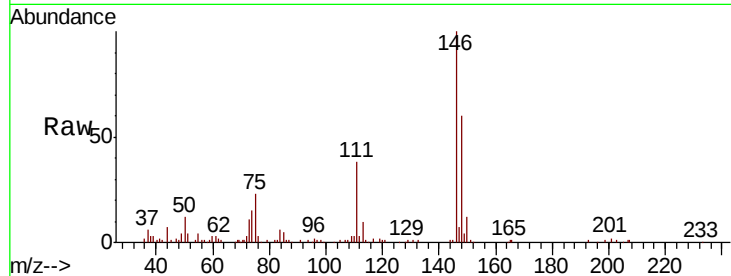
#91
 1,2-Dichlorobenzene
 Concen: 5.86 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.9	62.8
148	60.0	31.9	95.9

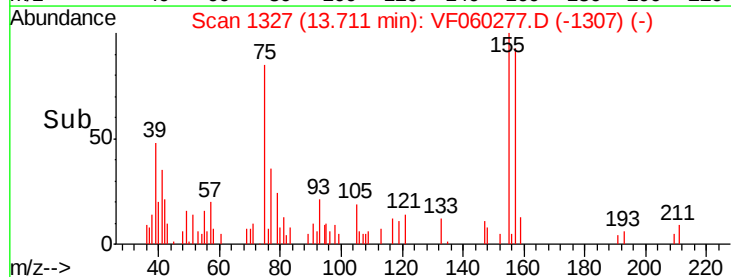
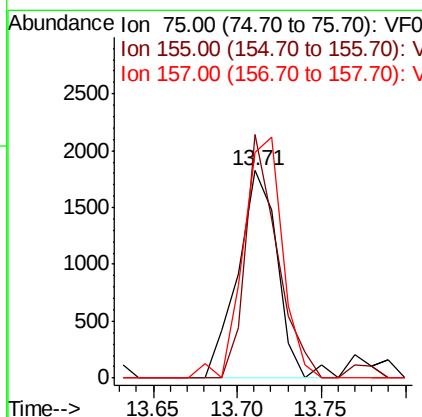
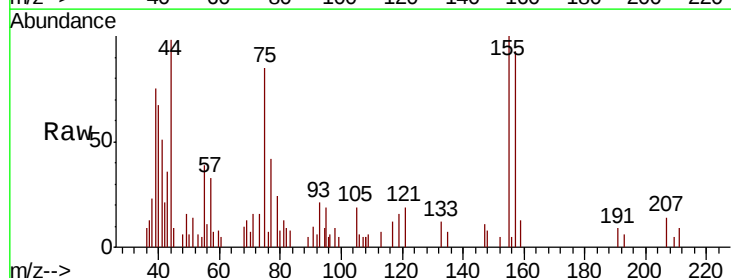
Manual Integrations
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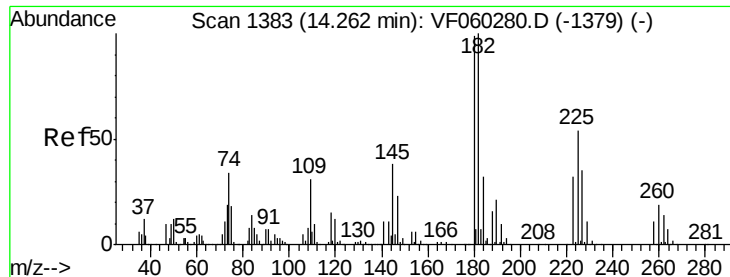
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.81 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	117.4	41.9	125.7
157	109.1	57.4	172.0





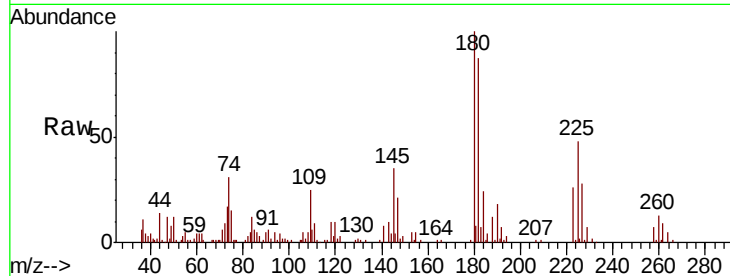
#93
 1,2,4-Trichlorobenzene
 Concen: 5.84 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	30504		
182	87.4	50.3	151.0	
145	35.2	18.9	56.9	

Manual Integrations
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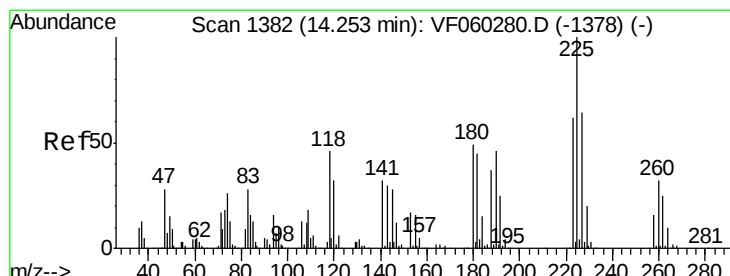
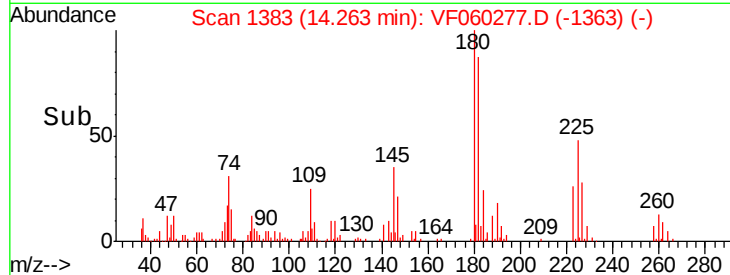
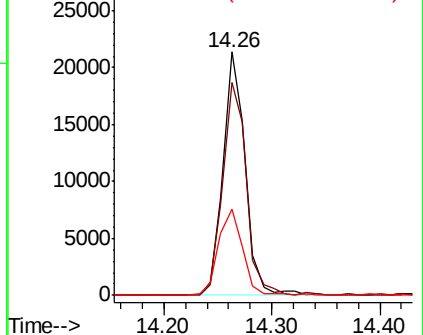


Abundance

Ion 180.00 (179.70 to 180.70): V

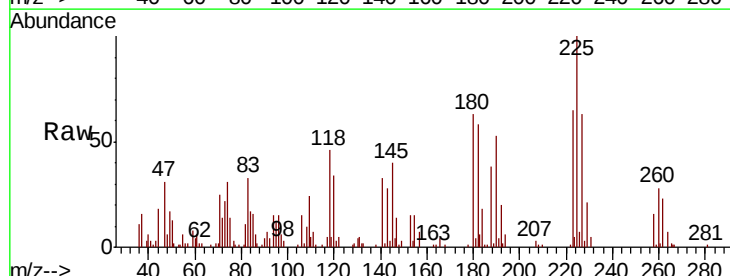
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 5.45 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19254		
223	69.6	31.2	93.6	
227	62.6	32.2	96.6	

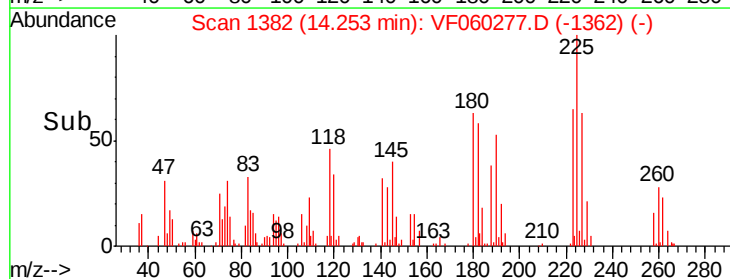
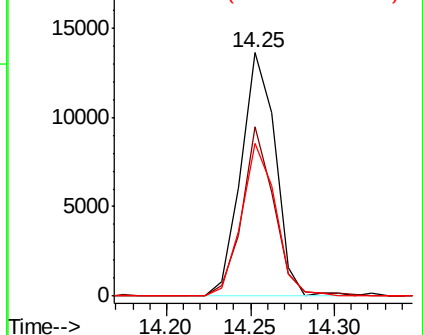


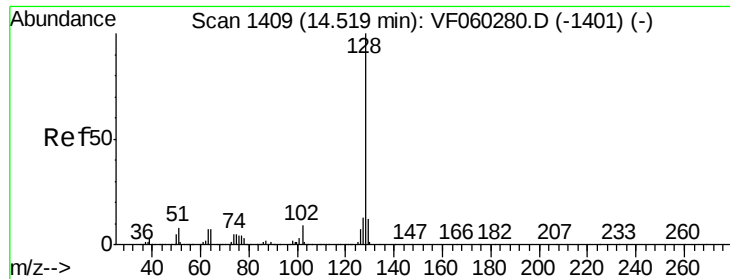
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





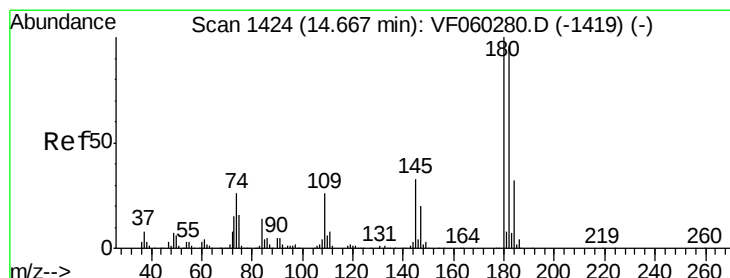
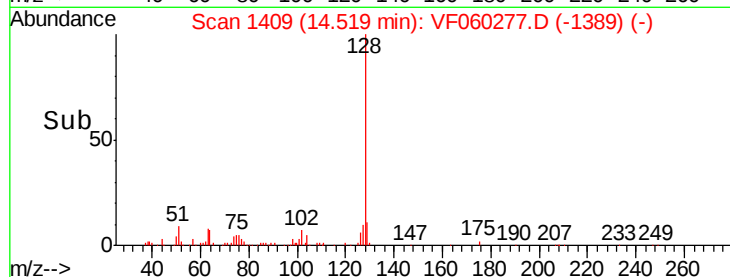
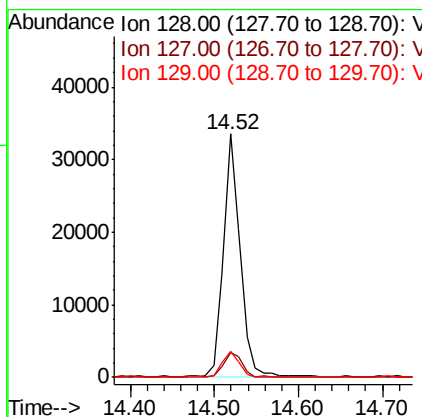
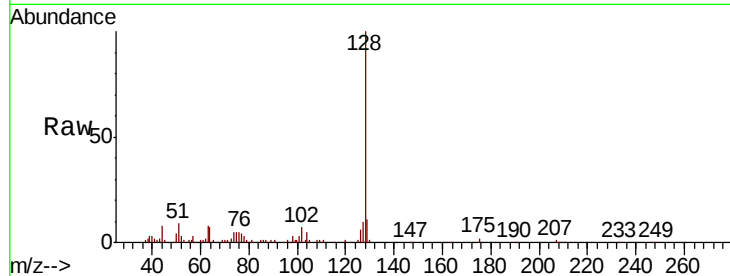
#95
Naphthalene
Concen: 5.14 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.1	15.1
129	10.7	9.8	14.8

Manual Integrations
APPROVED

apatel
9/20/2018 11:40:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 5.12 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	47.8	143.4
145	32.4	16.4	49.1

