

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060282.D
 Acq On : 19 Sep 2018 15:10
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:41:27 AM

Quant Time: Sep 20 02:52:32 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	5.04	168	280820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	486125	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	415526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	219224	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	336422	88.97	ug/l	0.01
Spiked Amount	50.000		Recovery	=	177.94%	
35) Dibromofluoromethane	4.29	113	374976	86.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.06%	
50) Toluene-d8	7.71	98	974913	86.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.78%	
62) 4-Bromofluorobenzene	11.50	95	409005	83.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	390115	78.24	ug/l	97
3) Chloromethane	1.12	50	307766	81.35	ug/l	98
4) Vinyl Chloride	1.17	62	316148	81.06	ug/l	92
5) Bromomethane	1.34	94	210317	80.39	ug/l	97
6) Chloroethane	1.42	64	157974	85.05	ug/l	98
7) Trichlorofluoromethane	1.54	101	605579	83.35	ug/l	96
8) Diethyl Ether	1.70	74	104757	86.66	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.88	101	312839	80.96	ug/l	98
10) Methyl Iodide	1.96	142	514085	82.51	ug/l	95
11) Tert butyl alcohol	2.68	59	98913	410.35	ug/l	94
12) 1,1-Dichloroethene	1.84	96	264920	82.90	ug/l	97
13) Acrolein	2.09	56	33960	288.23	ug/l	88
14) Allyl chloride	2.19	41	461256	82.71	ug/l	98
15) Acrylonitrile	3.07	53	235518	441.00	ug/l	96
16) Acetone	2.34	43	431718	405.41	ug/l	97
17) Carbon Disulfide	1.88	76	732192	75.92	ug/l	99
18) Methyl Acetate	2.44	43	154749	87.23	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	689714	86.57	ug/l	99
20) Methylene Chloride	2.28	84	259805m	68.63	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	271047	82.12	ug/l	98
22) Diisopropyl ether	2.92	45	936250	88.98	ug/l	99
23) Vinyl Acetate	3.32	43	1826418	441.98	ug/l	99
24) 1,1-Dichloroethane	3.00	63	589205	86.35	ug/l	99
25) 2-Butanone	4.49	43	634817	442.89	ug/l	98
26) 2,2-Dichloropropane	3.76	77	316125	81.19	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	369434	85.20	ug/l	93
28) Bromochloromethane	3.88	49	226776	85.36	ug/l	98
29) Tetrahydrofuran	4.24	42	231456	440.95	ug/l	99
30) Chloroform	4.03	83	721344	87.61	ug/l	94
31) Cyclohexane	3.86	56	457318	79.34	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	544468	83.81	ug/l	99
36) 1,1-Dichloropropene	4.46	75	498015	82.13	ug/l	96
37) Ethyl Acetate	4.28	43	215129	83.85	ug/l #	96
38) Carbon Tetrachloride	4.16	117	543588m	78.56	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	518262	78.86	ug/l	98
40) Benzene	4.80	78	1119654	81.43	ug/l	98
41) Methacrylonitrile	4.91	41	113631	81.62	ug/l	95
42) 1,2-Dichloroethane	5.11	62	446649	88.26	ug/l	99
43) Isopropyl Acetate	7.11	43	270259	87.50	ug/l #	96
44) Trichloroethene	5.67	130	340098	83.11	ug/l	98
45) 1,2-Dichloropropane	6.40	63	312371	87.78	ug/l	99
46) Dibromomethane	6.25	93	218110	85.75	ug/l	97
47) Bromodichloromethane	6.55	83	528629	86.48	ug/l	99
48) Methyl methacrylate	6.86	41	190253	87.75	ug/l	94
49) 1,4-Dioxane	6.85	88	28331	1462.55	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	1142207	479.79	ug/l	98
52) Toluene	7.78	92	706015	81.17	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	428756	86.96	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	541635	87.20	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	236384	89.54	ug/l	96
56) Ethyl methacrylate	8.75	69	277218	86.95	ug/l	97
57) 1,3-Dichloropropane	9.00	76	393810	90.09	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.78	63	114376	405.78	ug/l	100
59) 2-Hexanone	9.62	43	805381	475.14	ug/l	97
60) Dibromochloromethane	8.86	129	355426	90.33	ug/l	93
61) 1,2-Dibromoethane	9.13	107	258769	88.02	ug/l	98
64) Tetrachloroethene	8.30	164	316508	84.02	ug/l	94
65) Chlorobenzene	9.94	112	838210	89.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	334749	85.65	ug/l	96
67) Ethyl Benzene	10.03	91	1442783	82.86	ug/l	97
68) m/p-Xylenes	10.27	106	971733	161.53	ug/l	91
69) o-Xylene	10.82	106	564091	83.60	ug/l	95
70) Styrene	10.90	104	794631	83.51	ug/l	97
71) Bromoform	10.88	173	191906	89.41	ug/l	93
73) Isopropylbenzene	11.23	105	1550634	78.79	ug/l	95
74) N-amyl acetate	11.46	43	388470	92.56	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.78	83	300741	86.23	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	210827	84.42	ug/l	93
77) Bromobenzene	11.59	156	363578	85.72	ug/l	97
78) n-propylbenzene	11.69	91	1814479	78.09	ug/l	92
79) 2-Chlorotoluene	11.81	91	1072403	80.78	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	1253487	79.12	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	112689m	70.03	ug/l	
82) 4-Chlorotoluene	11.99	91	1122169	84.10	ug/l	100
83) tert-Butylbenzene	12.21	119	1276833	79.51	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	1280161	79.58	ug/l	98
85) sec-Butylbenzene	12.39	105	1730745	77.84	ug/l	96
86) p-Isopropyltoluene	12.54	119	1390040	79.00	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	648647	81.84	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	654656	83.57	ug/l	96
89) n-Butylbenzene	12.92	91	1398633	75.15	ug/l	93
90) Hexachloroethane	12.99	117	379497	84.45	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	636211	84.15	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	56096	85.66	ug/l	91

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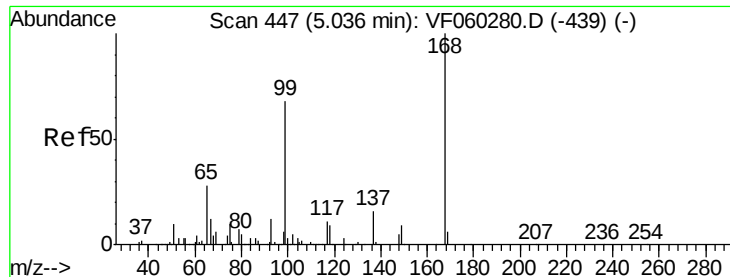
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	448057	81.53	ug/l	98
94) Hexachlorobutadiene	14.25	225	312895	84.23	ug/l	99
95) Naphthalene	14.52	128	879283	91.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	443504	87.34	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.00 min

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Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 280820

Ion Ratio Lower Upper

168 100

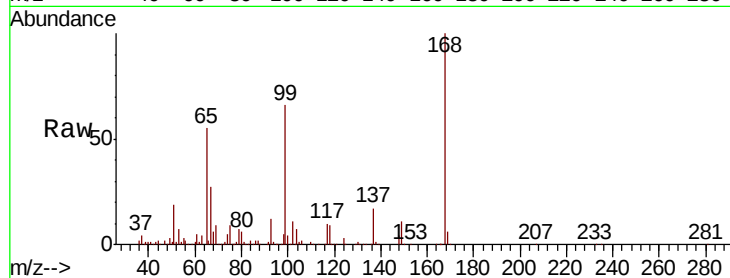
99 65.8 54.8 82.2

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

100000

80000

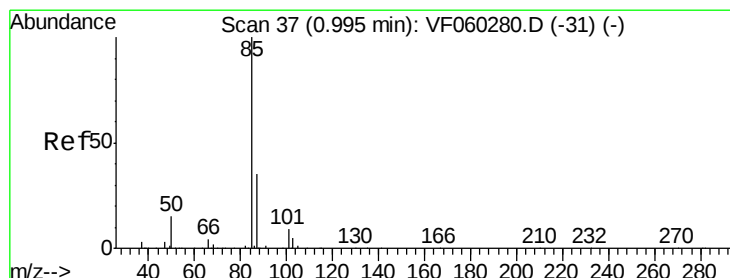
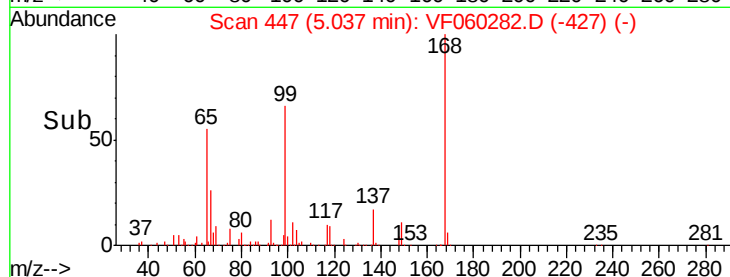
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 78.24 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060282.D

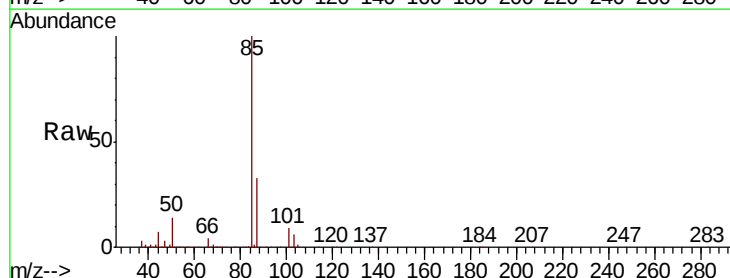
Acq: 19 Sep 2018 15:10

Tgt Ion: 85 Resp: 390115

Ion Ratio Lower Upper

85 100

87 32.8 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

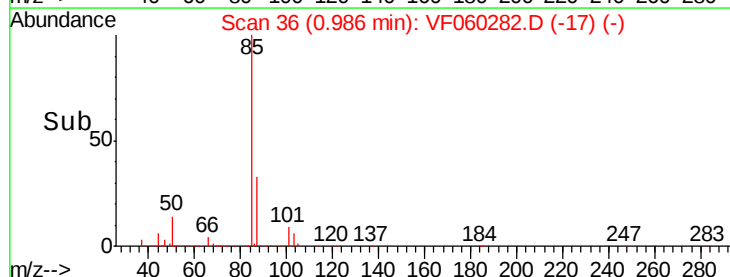
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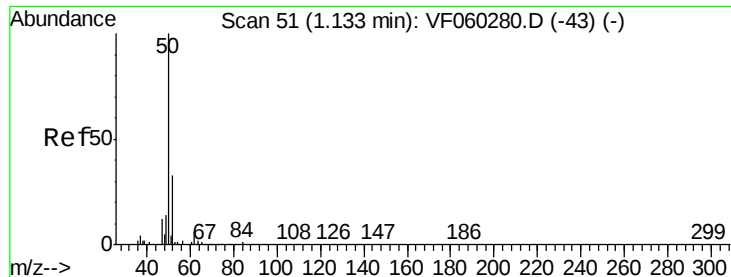
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50000

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Time-->





#3

Chloromethane

Concen: 81.35 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 307766

Ion Ratio Lower Upper

50 100

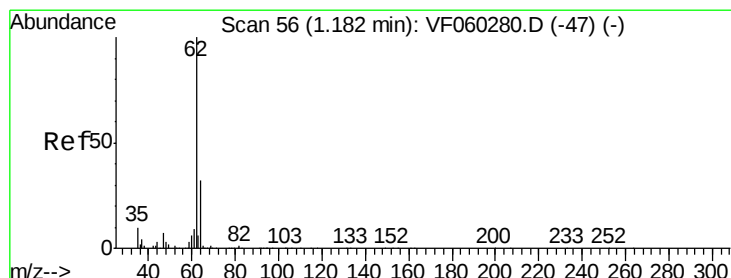
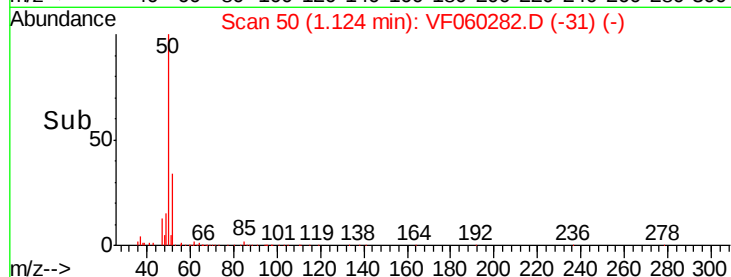
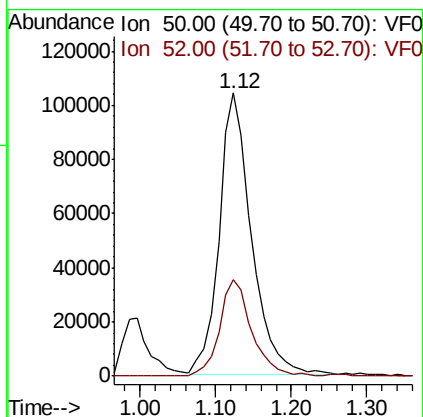
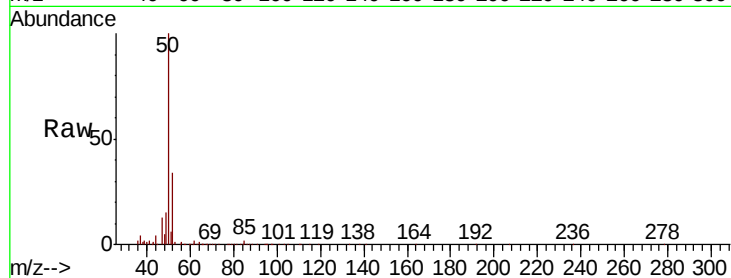
52 34.3 26.5 39.7

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#4

Vinyl Chloride

Concen: 81.06 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060282.D

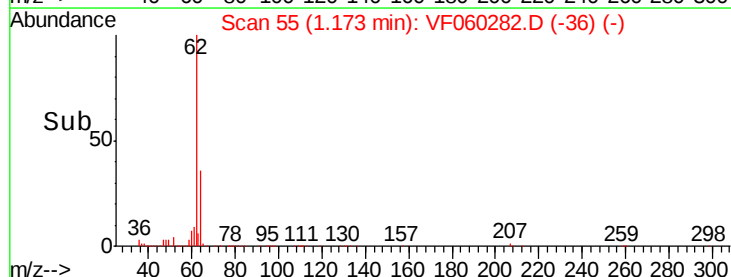
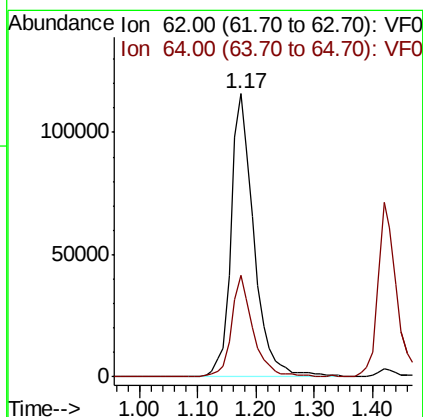
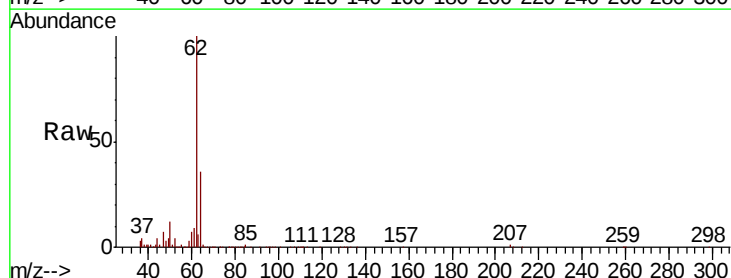
Acq: 19 Sep 2018 15:10

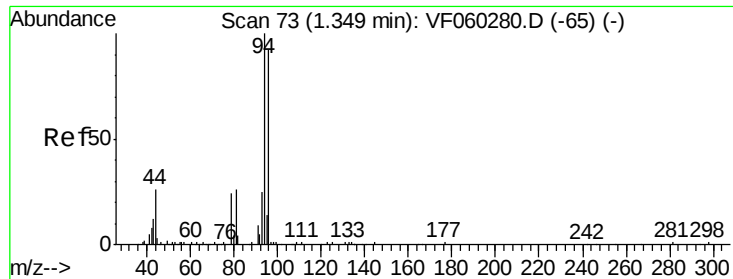
Tgt Ion: 62 Resp: 316148

Ion Ratio Lower Upper

62 100

64 35.8 25.2 37.8





#5

Bromomethane

Concen: 80.39 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 210317

Ion Ratio Lower Upper

94 100

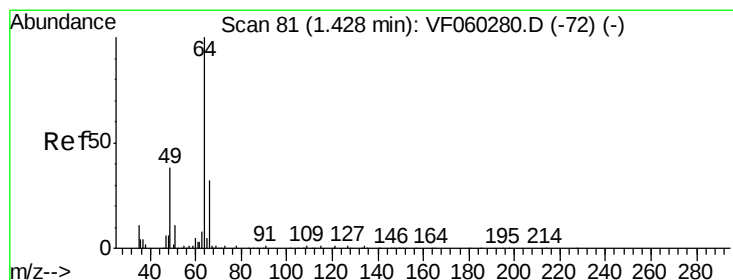
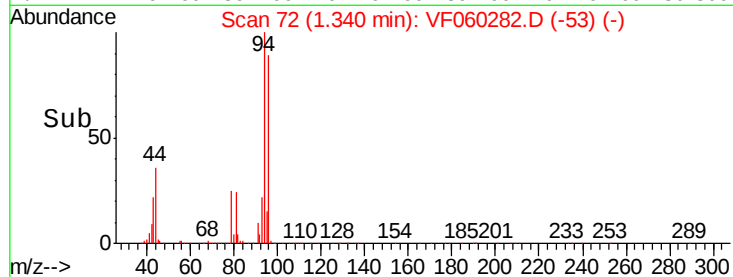
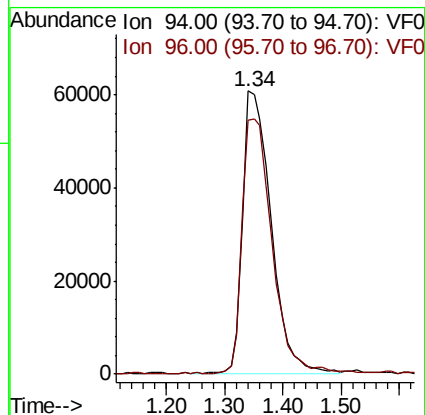
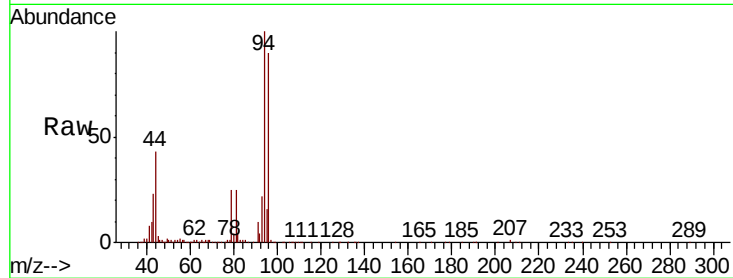
96 89.9 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 85.05 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060282.D

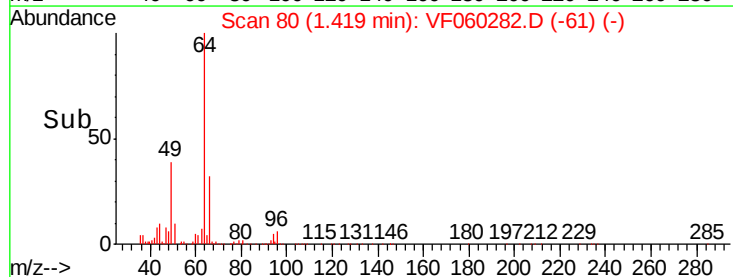
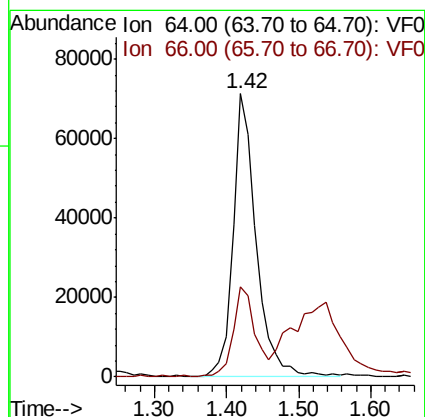
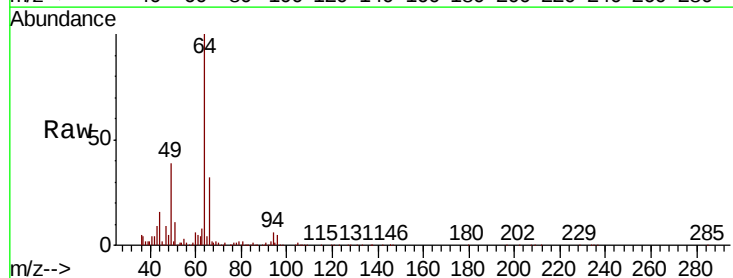
Acq: 19 Sep 2018 15:10

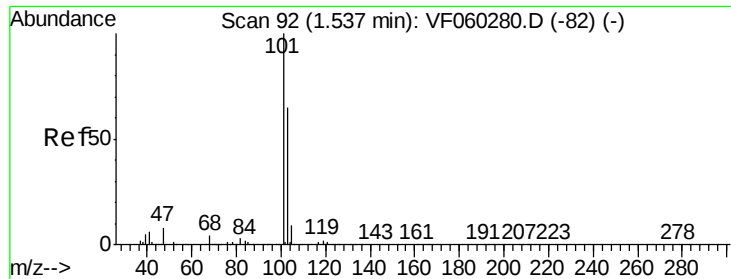
Tgt Ion: 64 Resp: 157974

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.2





#7

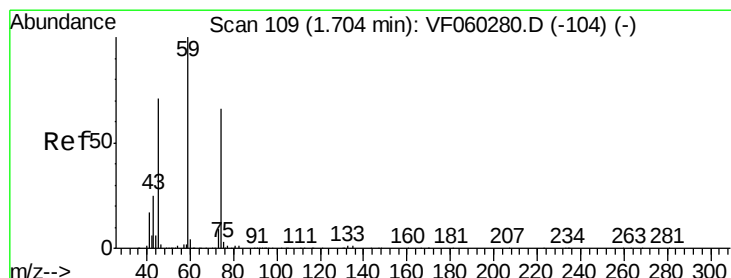
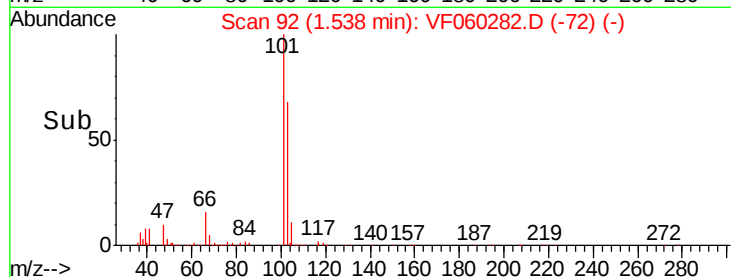
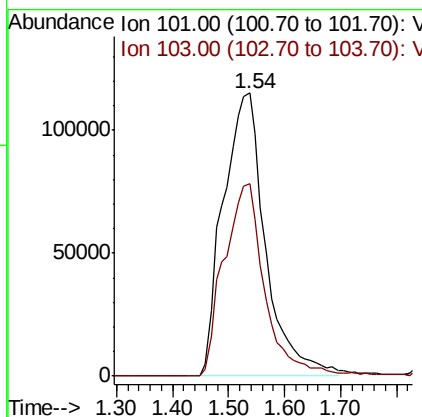
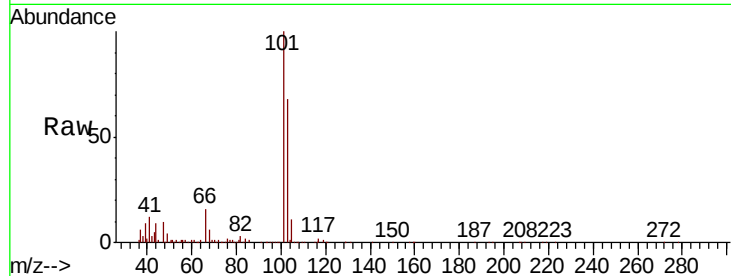
Trichlorofluoromethane
 Concen: 83.35 ug/l
 RT: 1.54 min Scan# 92
 Delta R.T. 0.00 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	52.0	78.0

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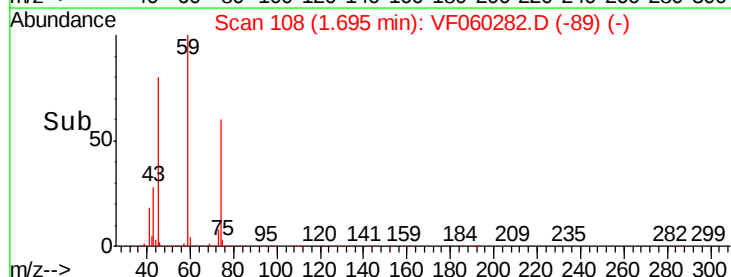
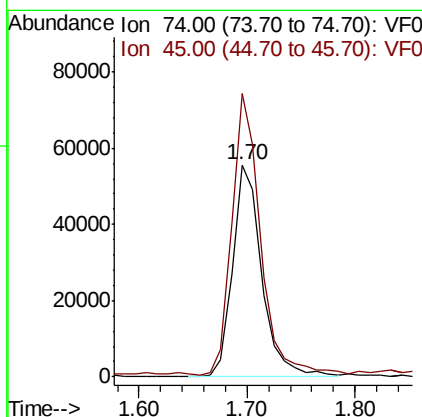
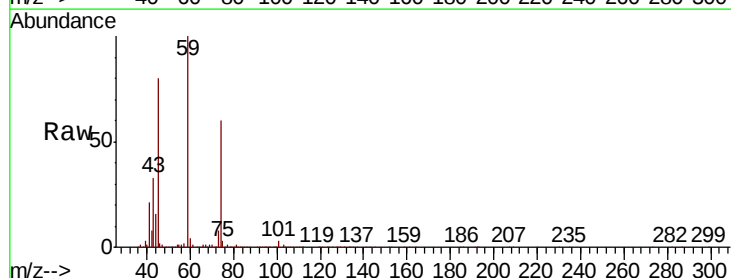
apatel
 9/20/2018 11:41:27 AM

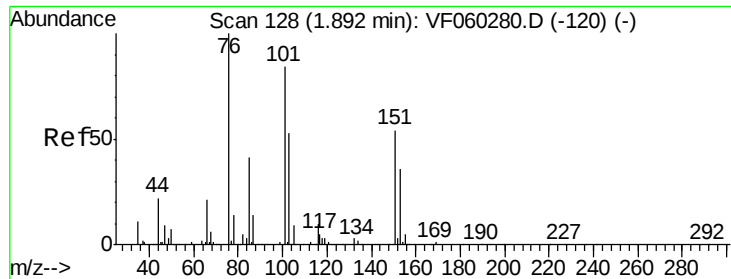


#8

Diethyl Ether
 Concen: 86.66 ug/l
 RT: 1.70 min Scan# 108
 Delta R.T. -0.01 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	133.5	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 80.96 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060282.D

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Instrument :

MSVOA_F

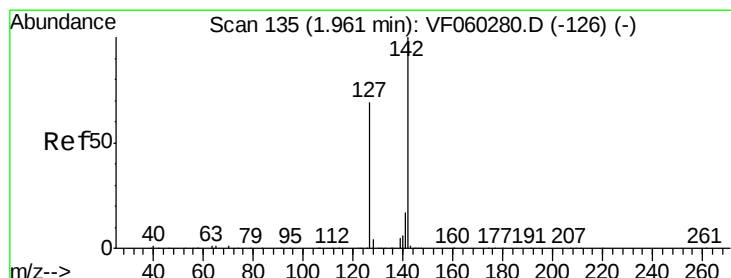
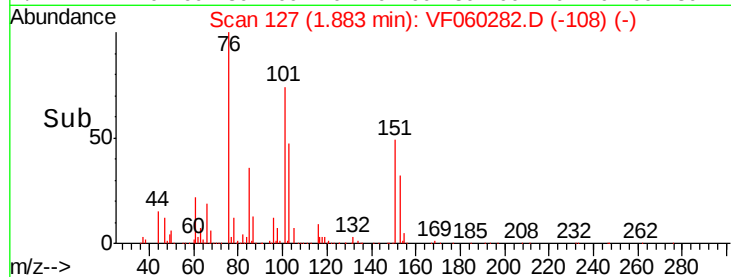
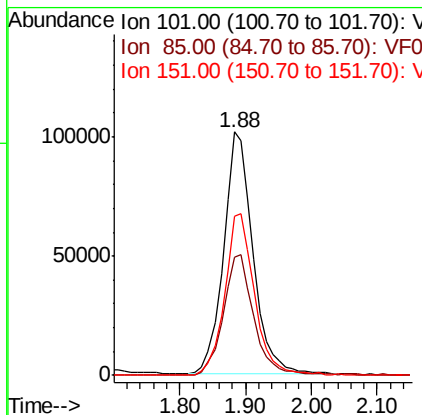
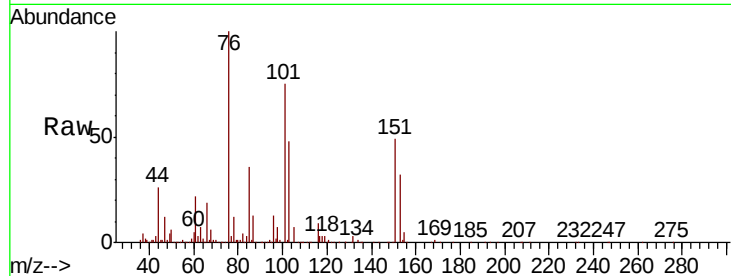
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	312839
Ion Ratio	Lower	Upper	
101	100		
85	48.3	38.7	58.1
151	65.5	50.8	76.2

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#10

Methyl Iodide

Concen: 82.51 ug/l

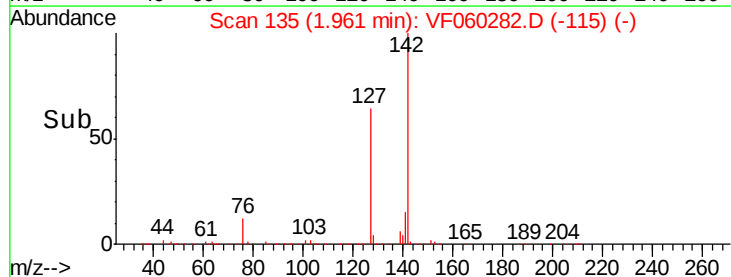
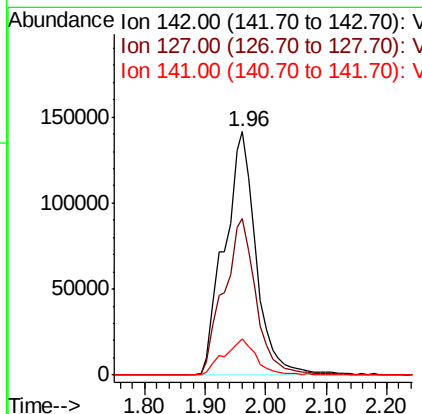
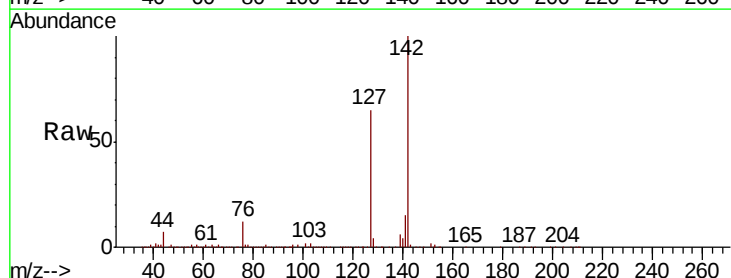
RT: 1.96 min Scan# 135

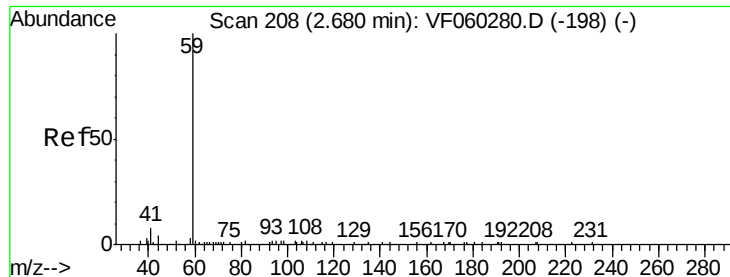
Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Tgt Ion:	142	Resp:	514085
Ion Ratio	Lower	Upper	
142	100		
127	64.6	55.4	83.0
141	15.0	13.3	19.9





#11

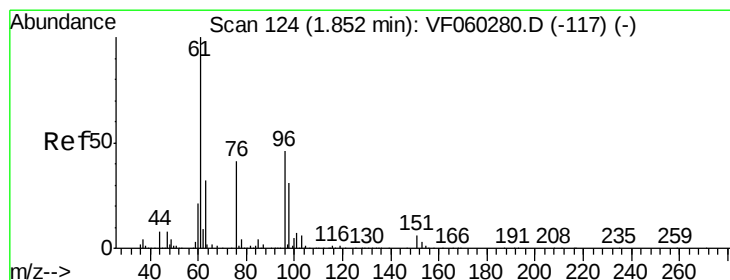
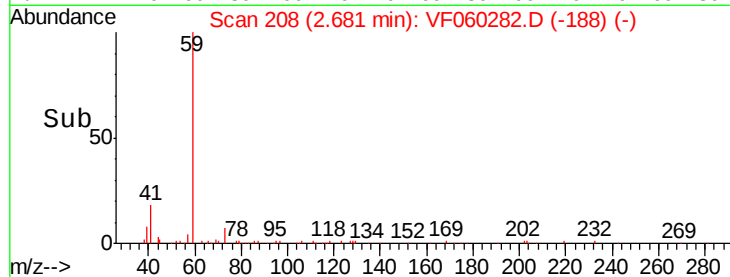
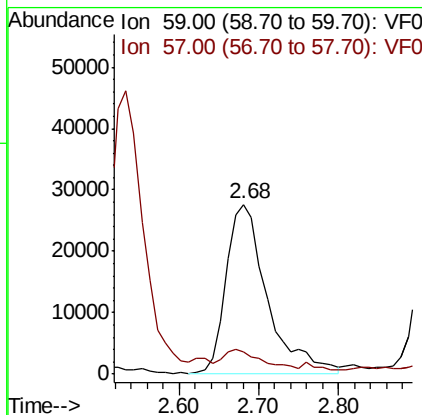
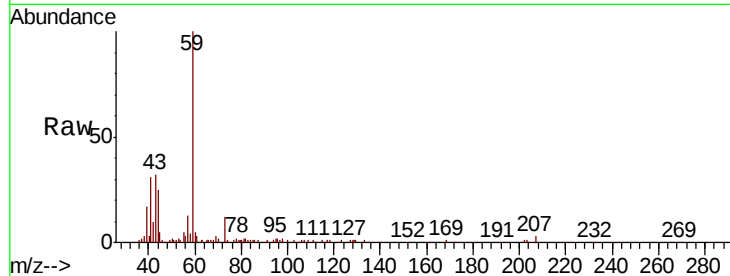
Tert butyl alcohol
Concen: 410.35 ug/l
RT: 2.68 min Scan# 208
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	98913
Ion Ratio	100	Lower	Upper
59	100		
57	12.9	12.4	18.6

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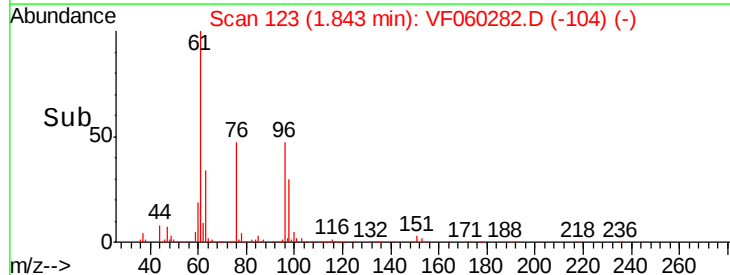
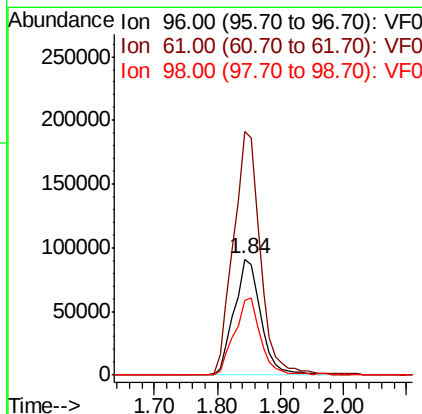
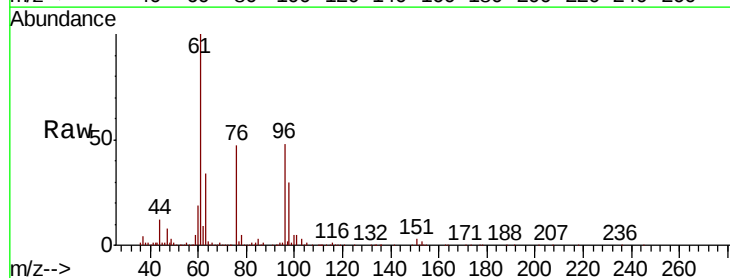
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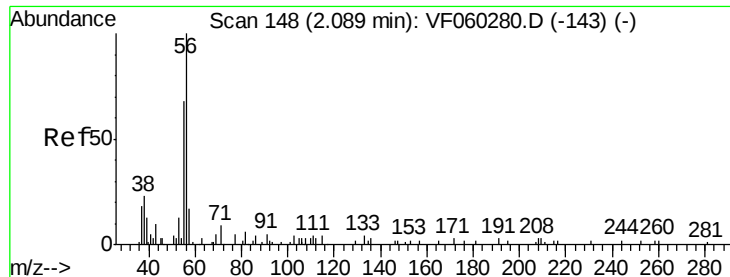


#12

1,1-Dichloroethene
Concen: 82.90 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	96	Resp	264920
Ion Ratio	100	Lower	Upper
96	100		
61	210.3	172.2	258.2
98	63.9	54.1	81.1





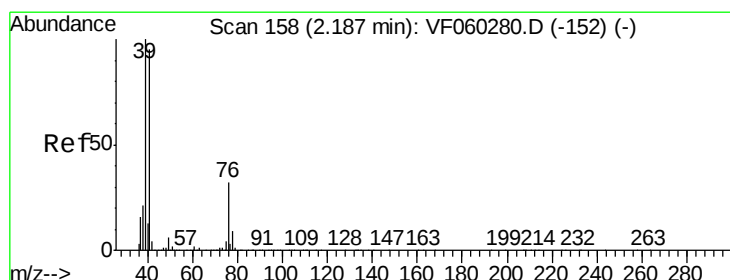
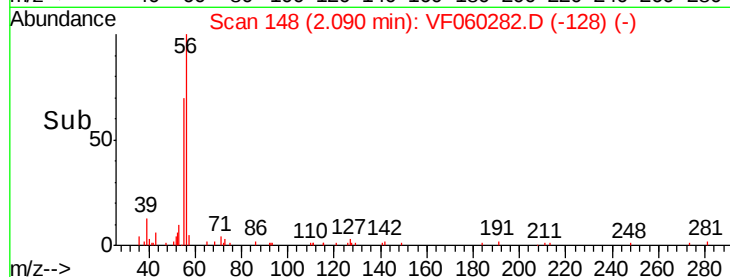
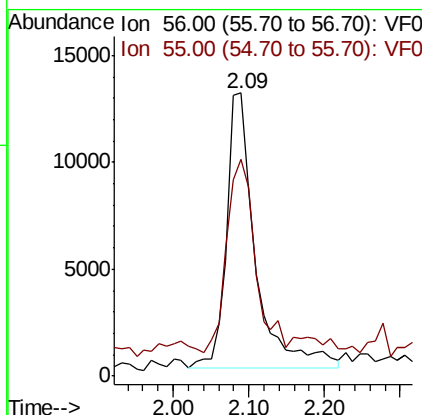
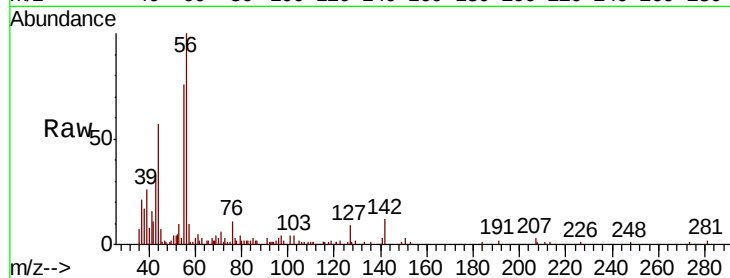
#13
Acrolein
Concen: 288.23 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.5	69.9	104.9

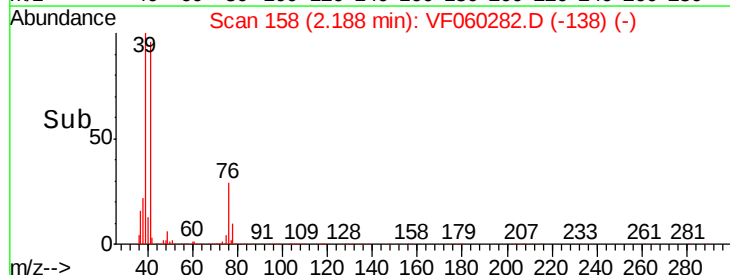
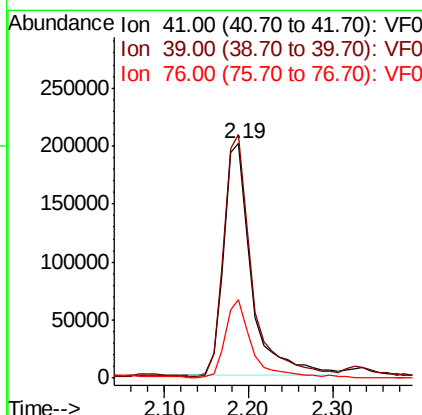
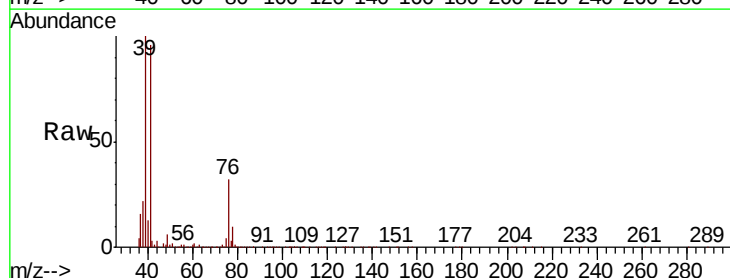
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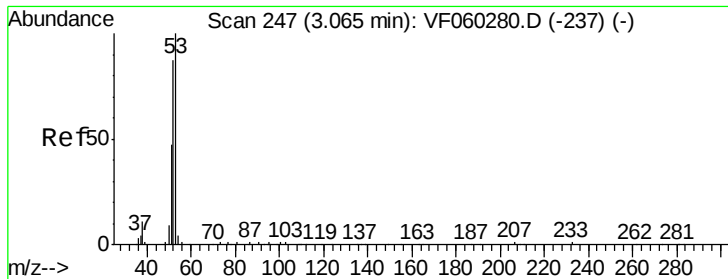
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#14
Allyl chloride
Concen: 82.71 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
41	100		
39	103.9	84.8	127.2
76	33.3	27.4	41.2





#15

Acrylonitrile

Concen: 441.00 ug/l

RT: 3.07 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

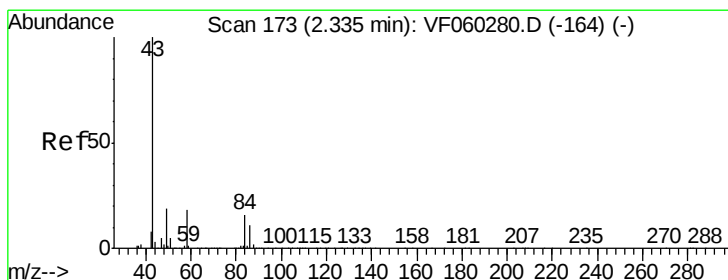
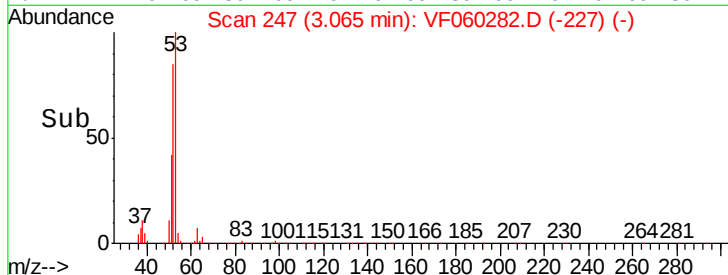
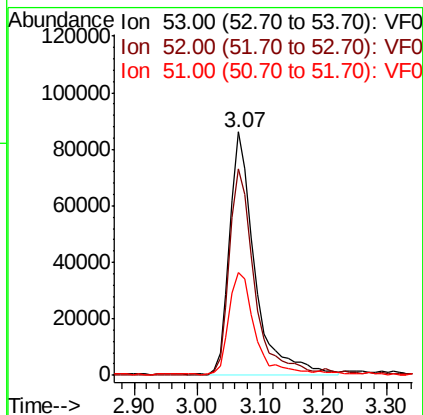
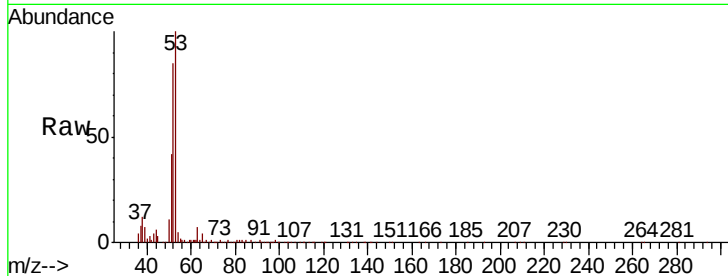
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	235518
Ion	Ratio	Lower	Upper
53	100		
52	84.9	69.5	104.3
51	42.2	38.1	57.1

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#16

Acetone

Concen: 405.41 ug/l

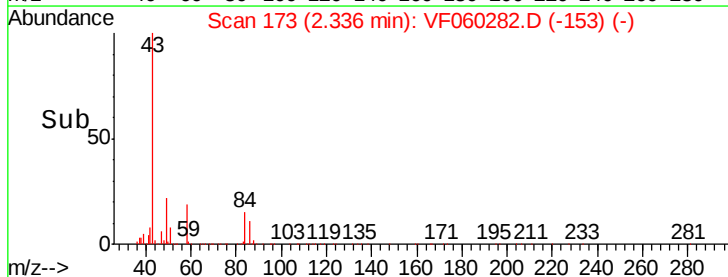
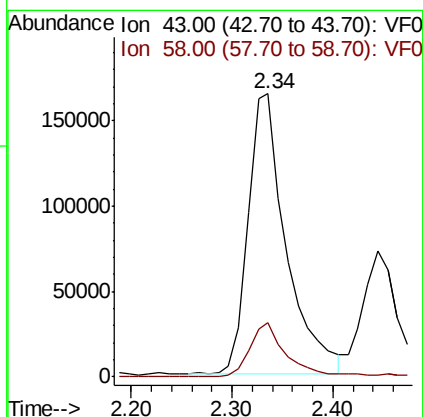
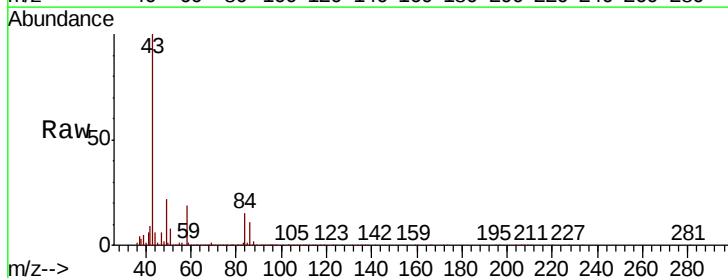
RT: 2.34 min Scan# 173

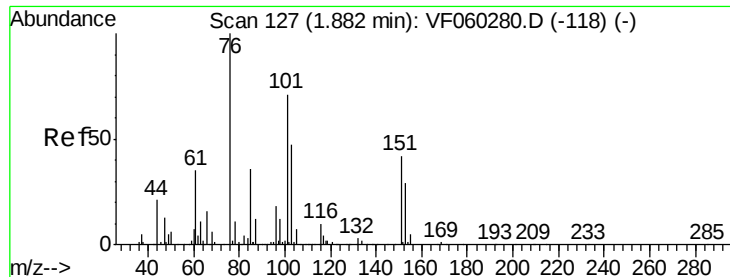
Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Tgt Ion:	43	Resp:	431718
Ion	Ratio	Lower	Upper
43	100		
58	19.3	14.5	21.7





#17

Carbon Disulfide

Concen: 75.92 ug/l

RT: 1.88 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 732192

Ion Ratio Lower Upper

76 100

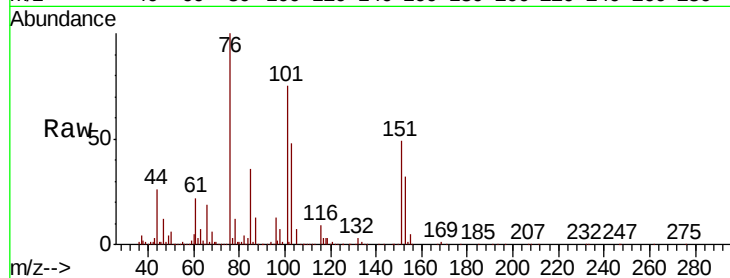
78 12.0 9.4 14.0

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

150000

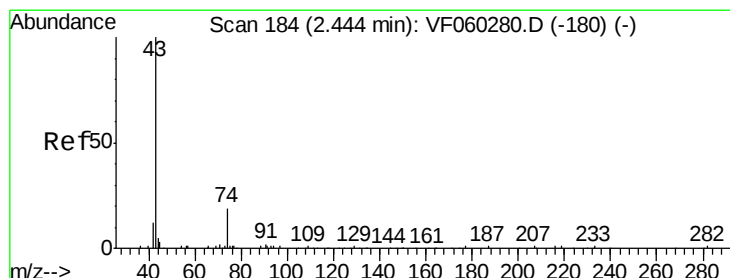
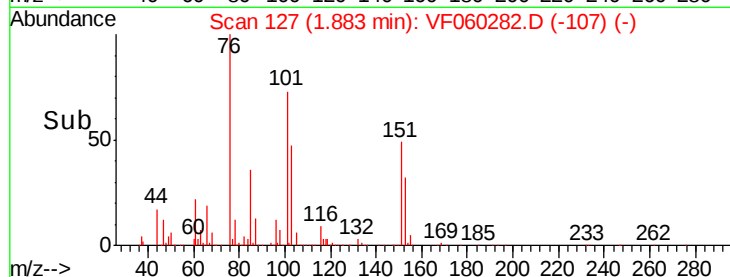
100000

50000

0

1.70 1.80 1.90 2.00 2.10

Time-->



#18

Methyl Acetate

Concen: 87.23 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF060282.D

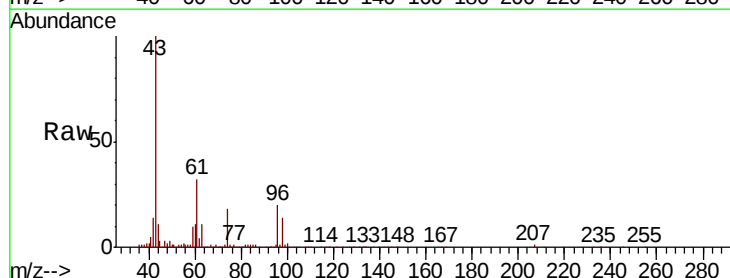
Acq: 19 Sep 2018 15:10

Tgt Ion: 43 Resp: 154749

Ion Ratio Lower Upper

43 100

74 17.6 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

80000

60000

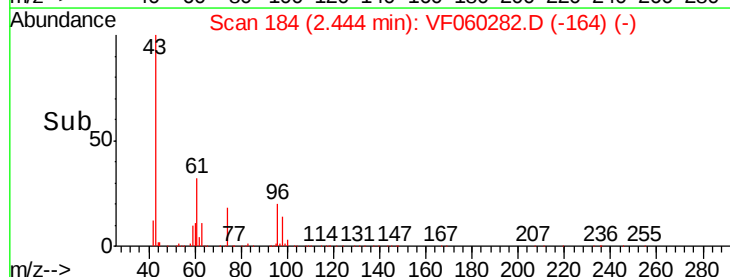
40000

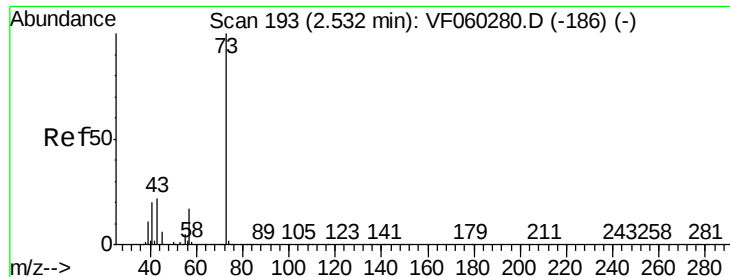
20000

0

2.40 2.45 2.50

Time-->





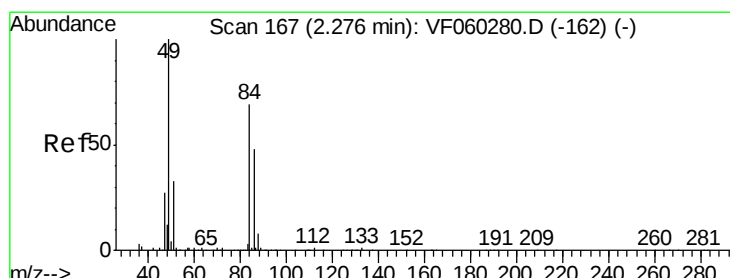
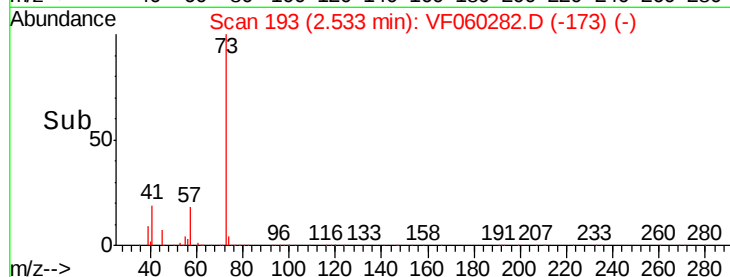
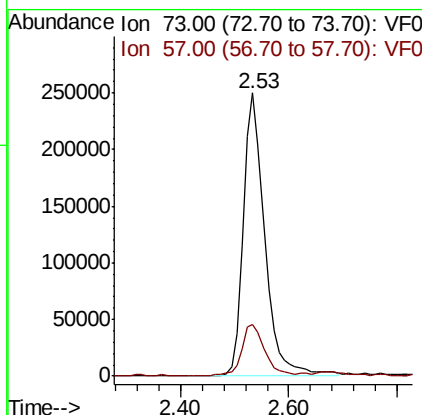
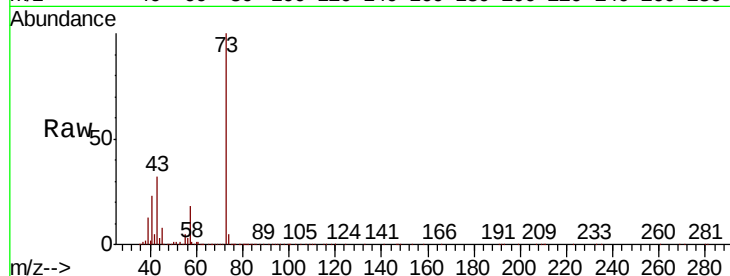
#19
Methvl tert-butvl Ether
Concen: 86.57 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.4	14.5	21.7

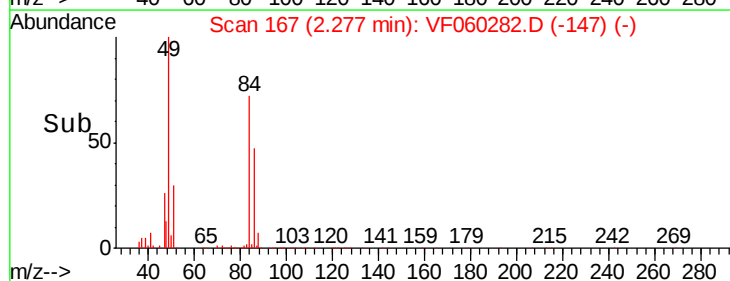
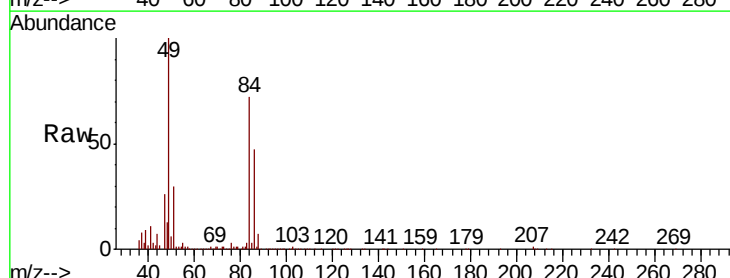
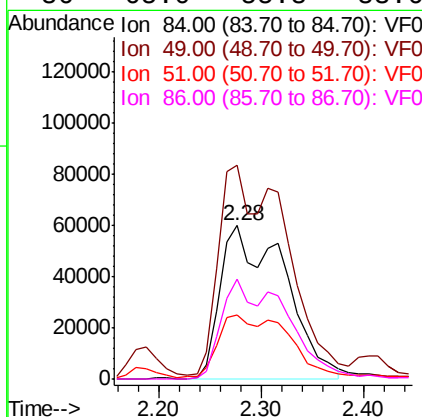
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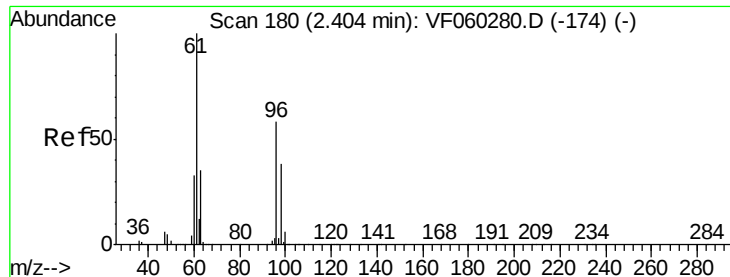
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#20
Methylene Chloride
Concen: 68.63 ug/l m
RT: 2.28 min Scan# 167
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.5	118.3	177.5
51	41.9	38.7	58.1
86	65.0	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 82.12 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

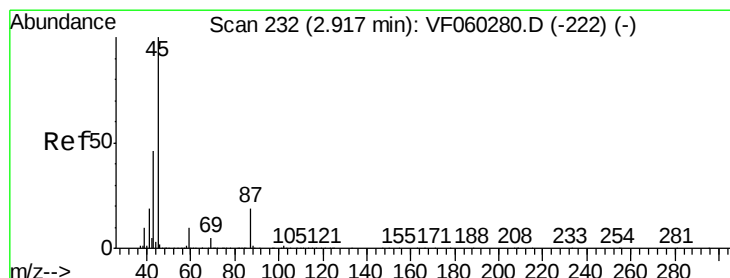
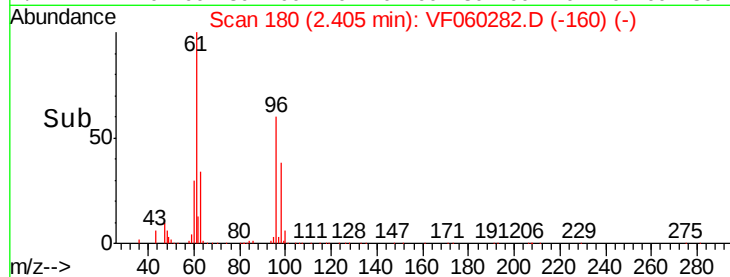
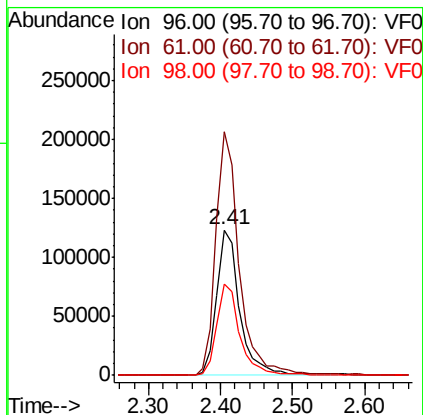
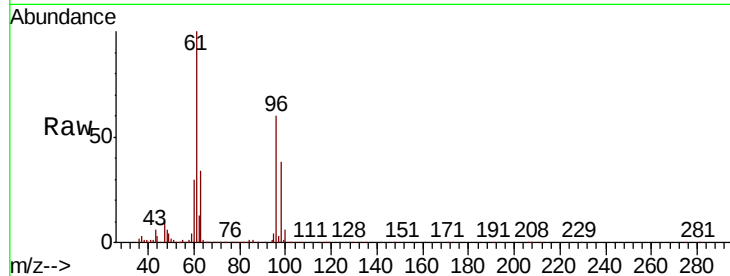
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	271047
Ion	Ratio	Lower	Upper
96	100		
61	167.5	136.4	204.6
98	63.2	51.8	77.6

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#22

Diisopropyl ether

Concen: 88.98 ug/l

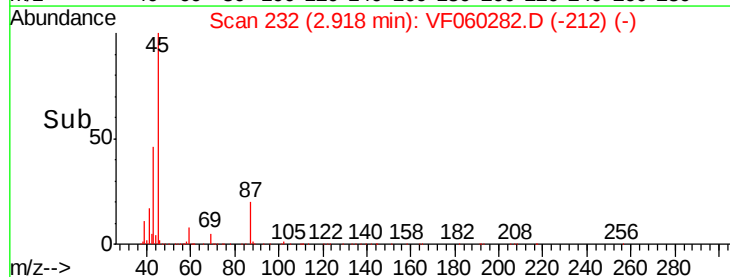
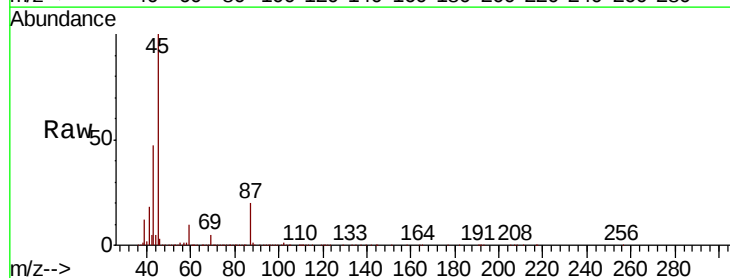
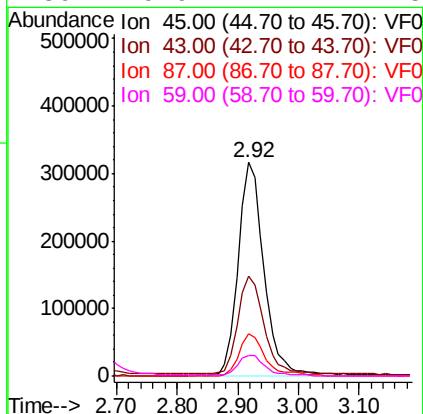
RT: 2.92 min Scan# 232

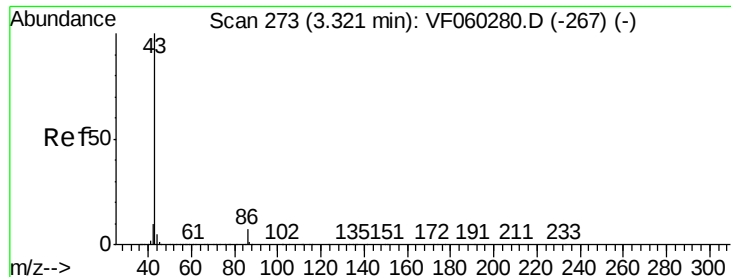
Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Tgt Ion:	45	Resp:	936250
Ion	Ratio	Lower	Upper
45	100		
43	46.9	38.2	57.2
87	19.8	15.5	23.3
59	9.9	7.7	11.5





#23

Vinyl Acetate

Concen: 441.98 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 1826418

Ion Ratio Lower Upper

43 100

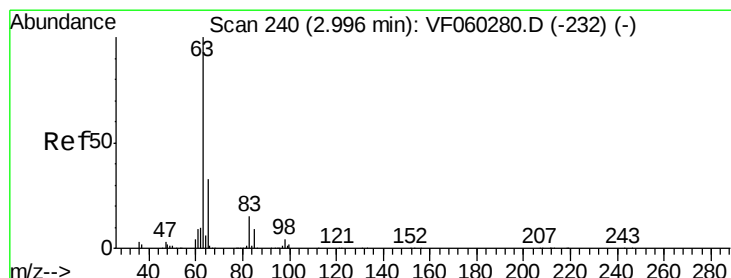
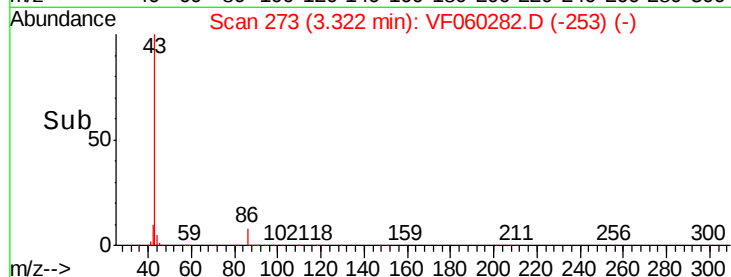
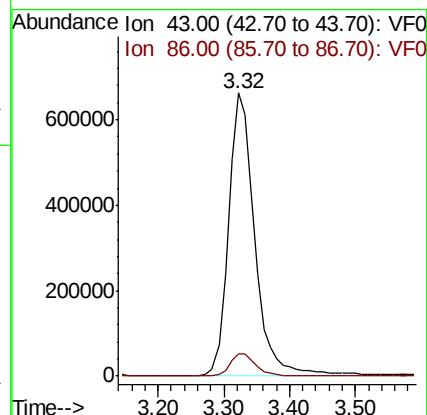
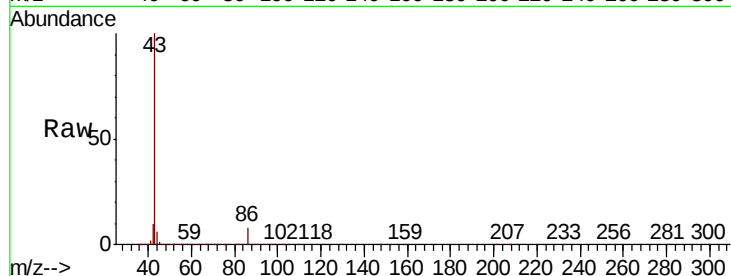
86 7.9 5.9 8.9

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#24

1,1-Dichloroethane

Concen: 86.35 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

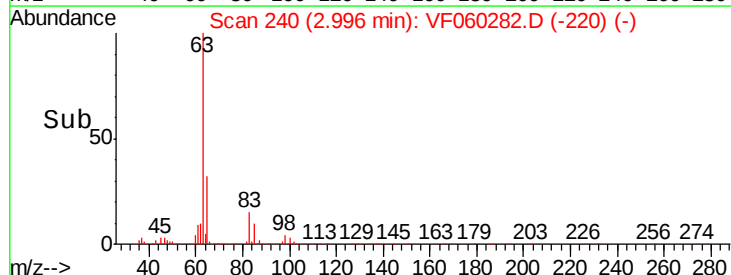
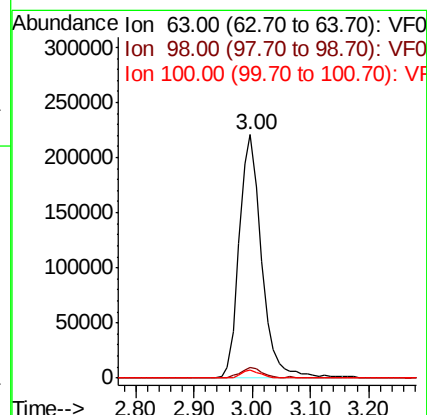
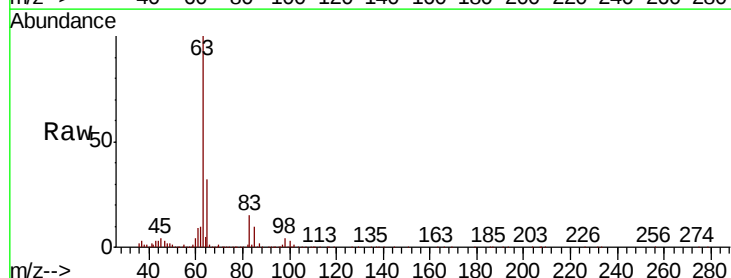
Tgt Ion: 63 Resp: 589205

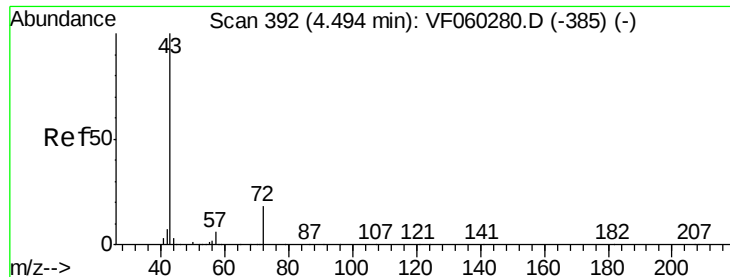
Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

100 3.1 1.1 3.3





#25

2-Butanone

Concen: 442.89 ug/l

RT: 4.49 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 634817

Ion Ratio Lower Upper

43 100

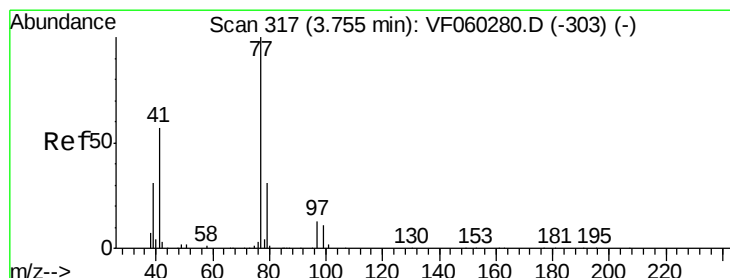
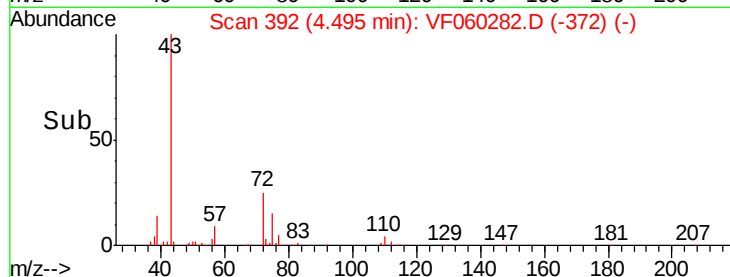
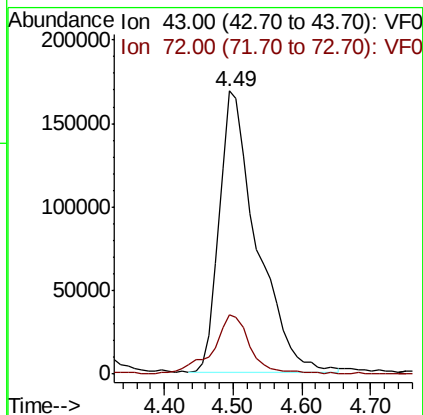
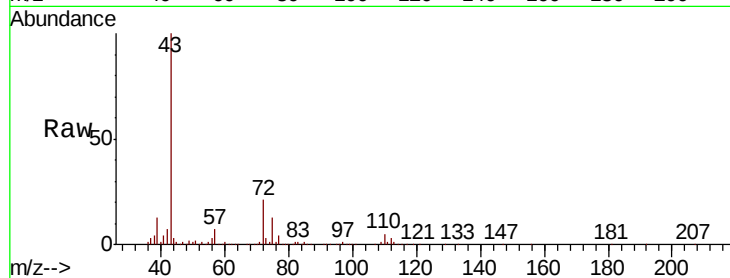
72 21.0 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 81.19 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060282.D

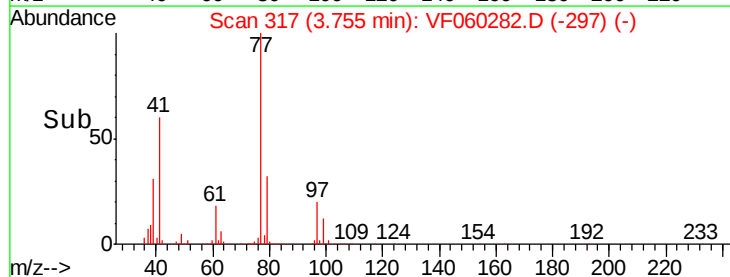
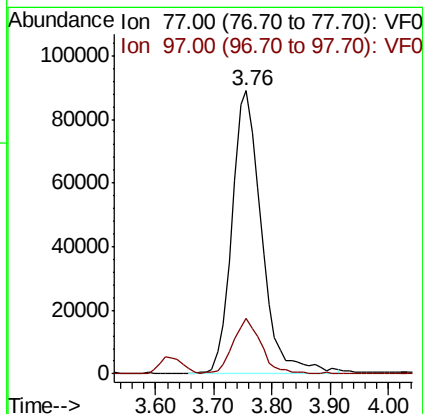
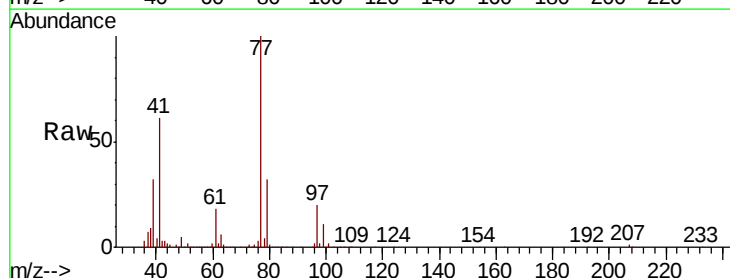
Acq: 19 Sep 2018 15:10

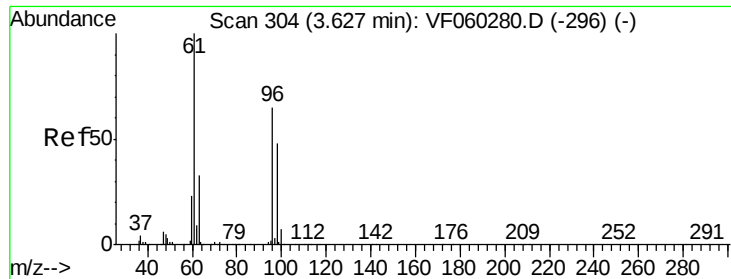
Tgt Ion: 77 Resp: 316125

Ion Ratio Lower Upper

77 100

97 19.6 9.3 27.9





#27

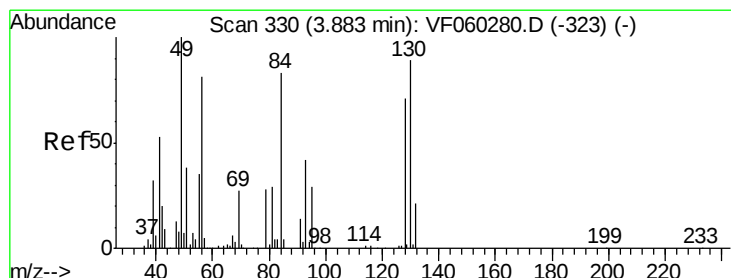
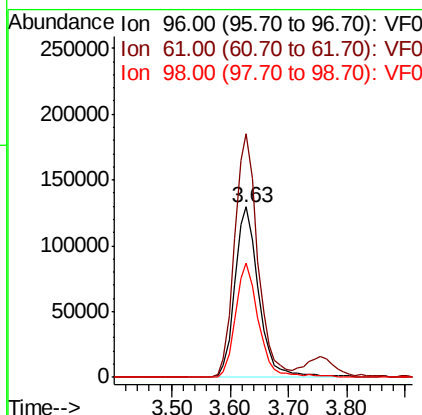
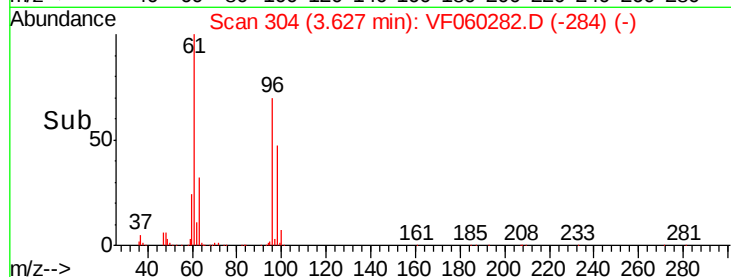
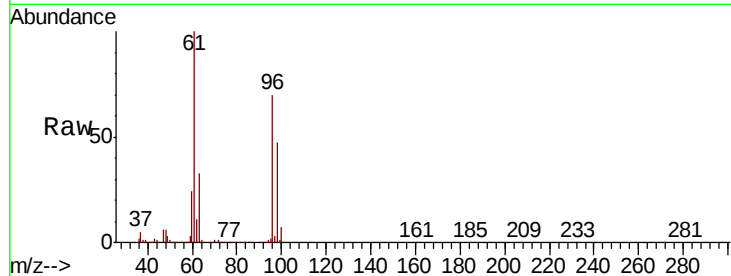
cis-1,2-Dichloroethene
Concen: 85.20 ug/l
RT: 3.63 min Scan# 304
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	304.8
98	66.8	0.0	146.4

Manual Integrations
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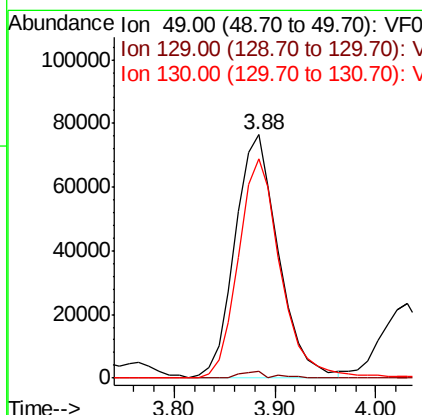
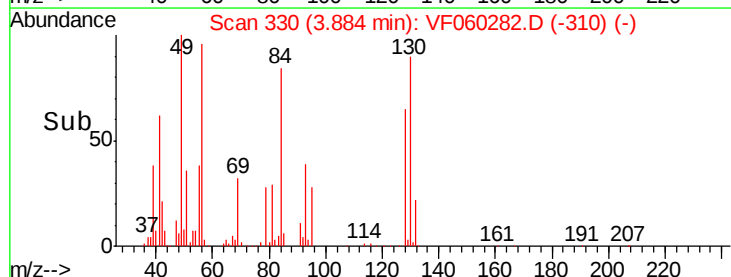
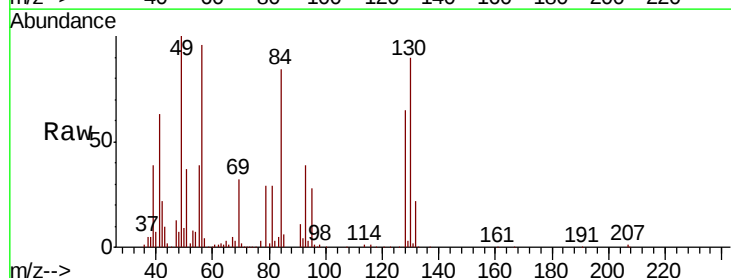
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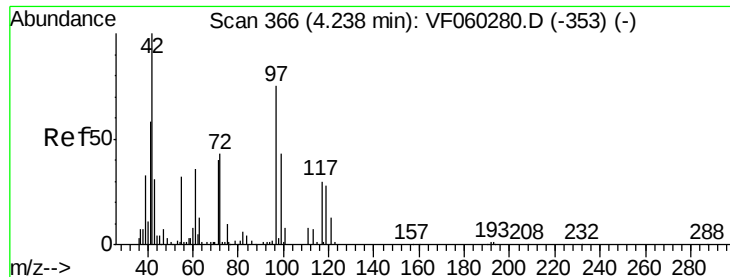


#28

Bromochloromethane
Concen: 85.36 ug/l
RT: 3.88 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.2
130	89.9	70.3	105.5





#29

Tetrahydrofuran

Concen: 440.95 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

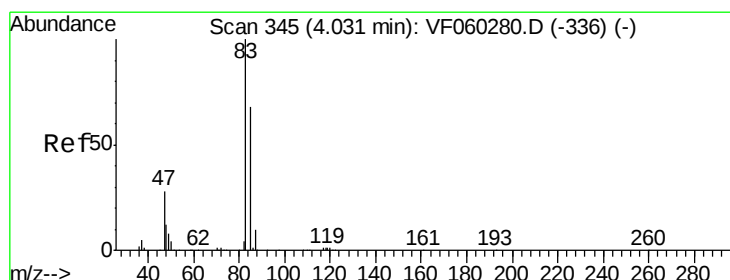
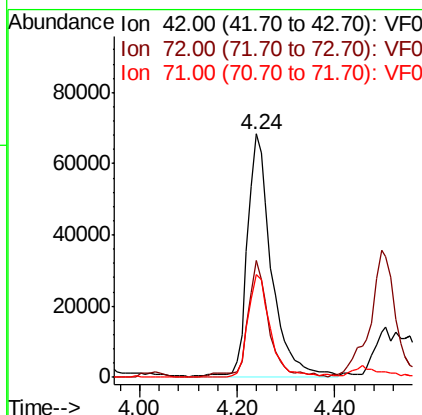
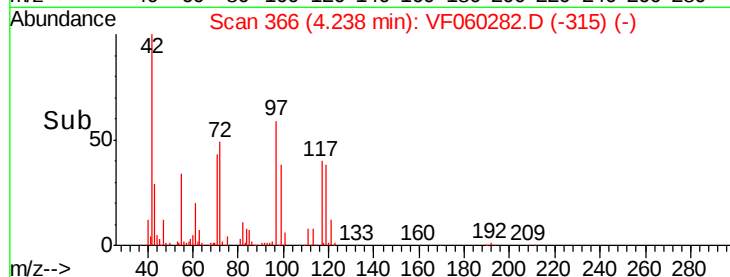
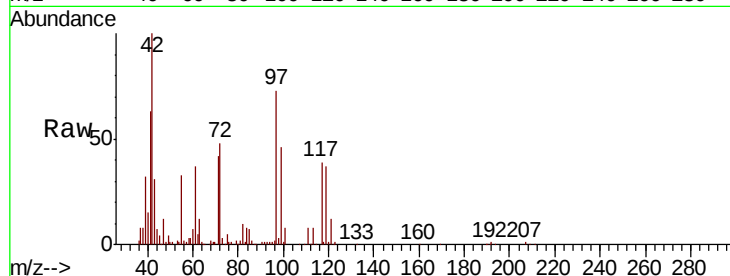
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	231456
Ion Ratio	Lower	Upper	
42	100		
72	40.8	32.6	49.0
71	39.6	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 87.61 ug/l

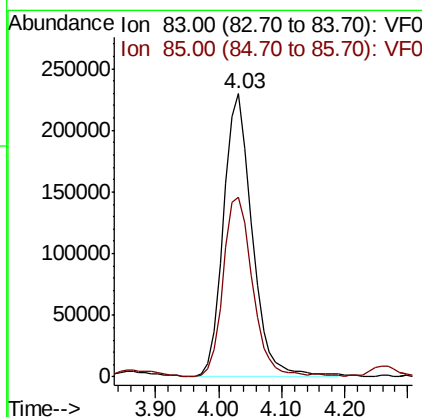
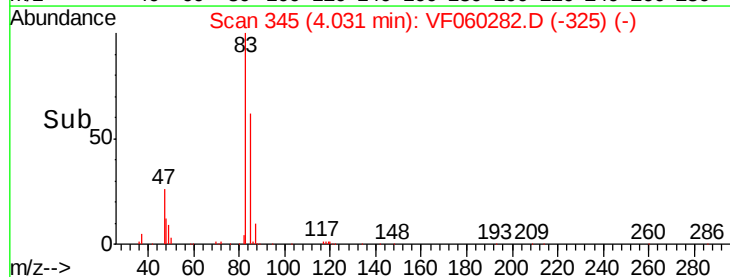
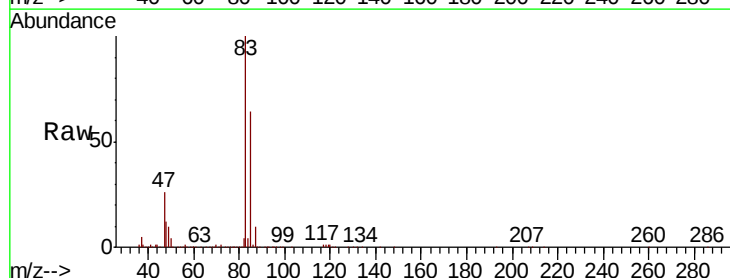
RT: 4.03 min Scan# 345

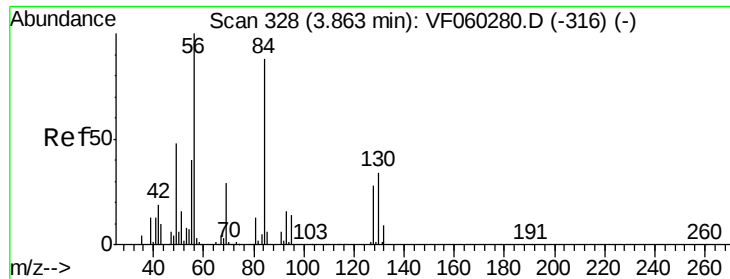
Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Tgt Ion:	83	Resp:	721344
Ion Ratio	Lower	Upper	
83	100		
85	63.5	54.9	82.3





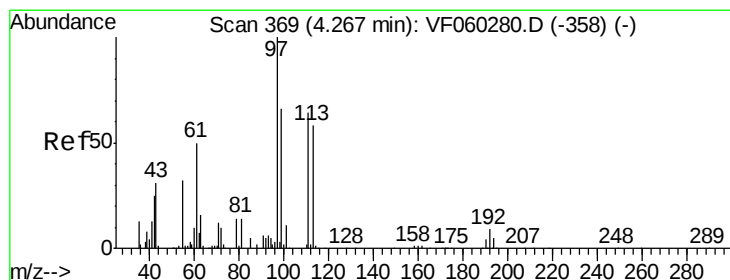
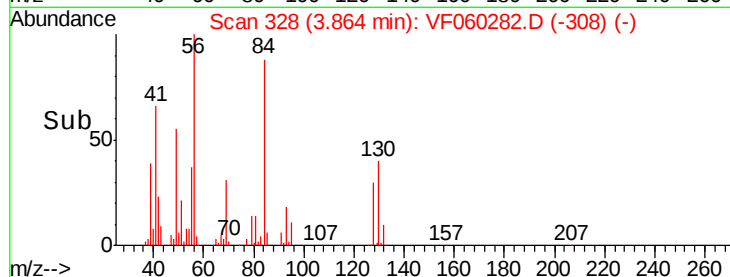
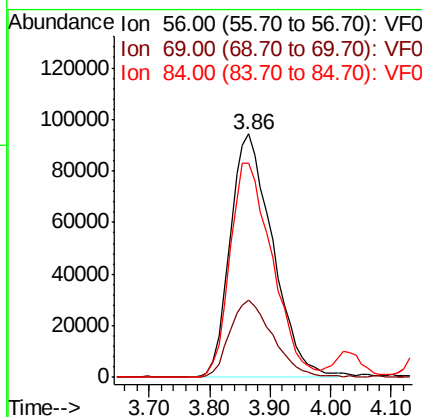
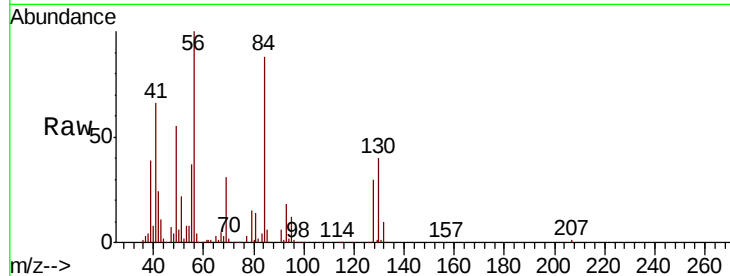
#31
Cyclohexane
Concen: 79.34 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.8	35.6
84	87.9	70.2	105.4

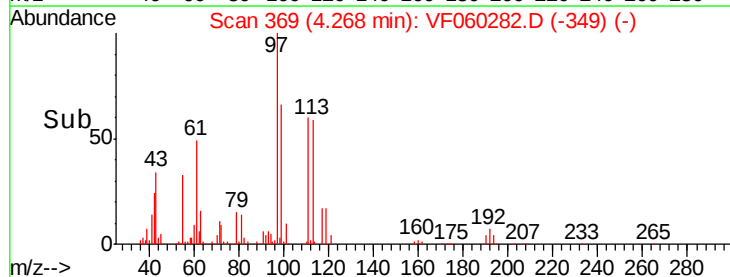
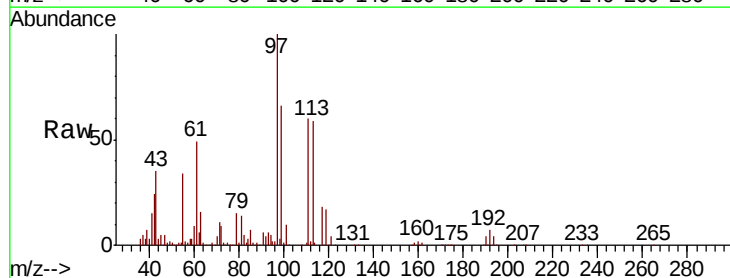
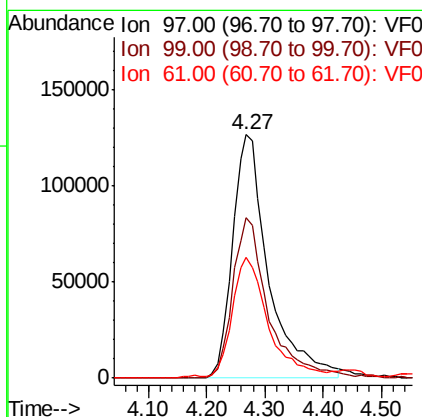
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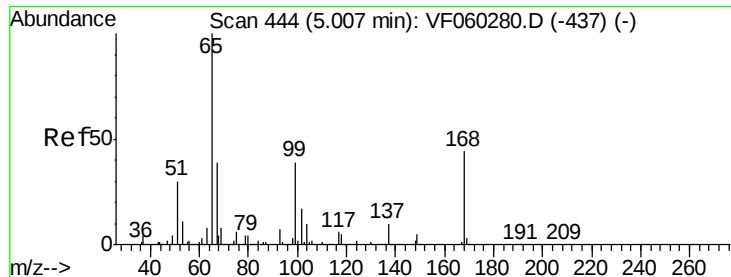
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#32
1,1,1-Trichloroethane
Concen: 83.81 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	53.0	79.4
61	49.5	40.6	61.0





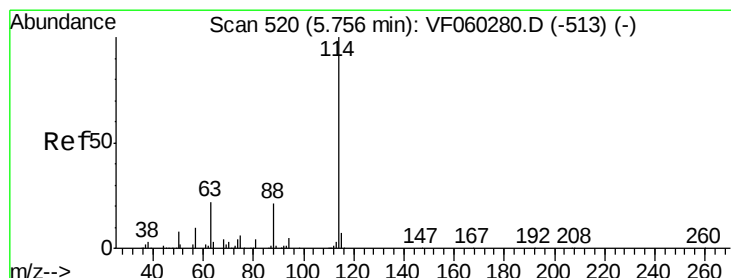
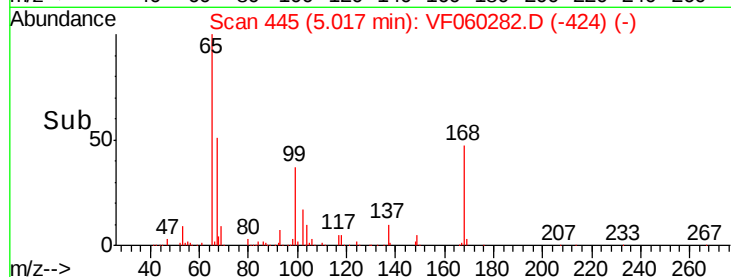
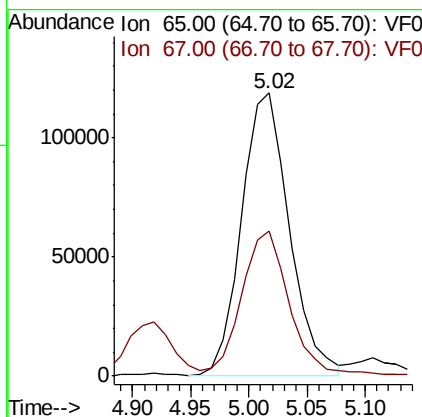
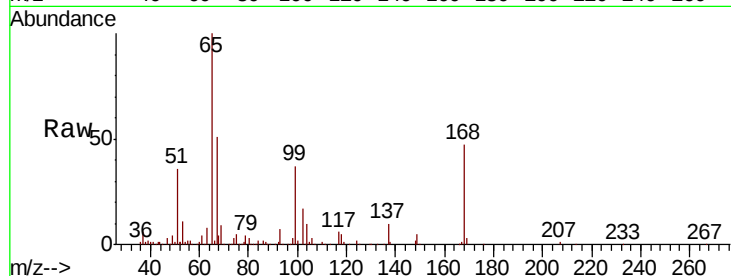
#33
 1,2-Dichloroethane-d4
 Concen: 88.97 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	336422		
67	51.3	0.0	94.4	

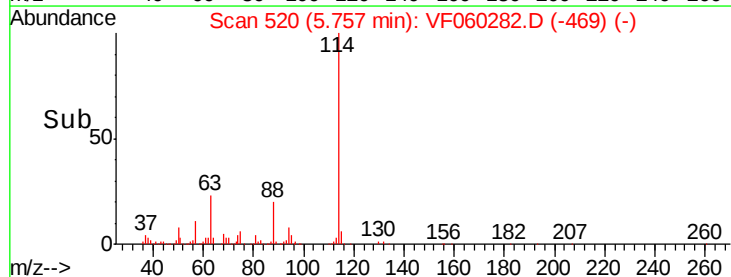
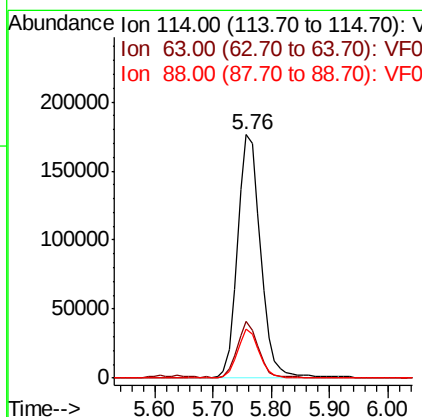
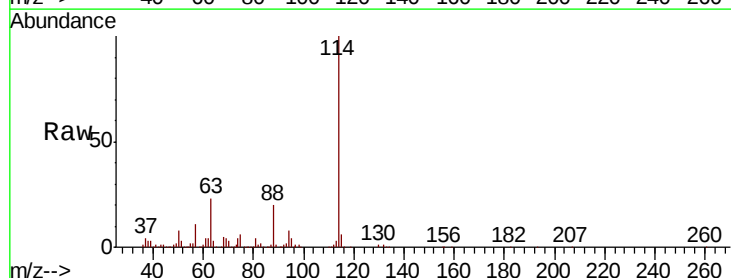
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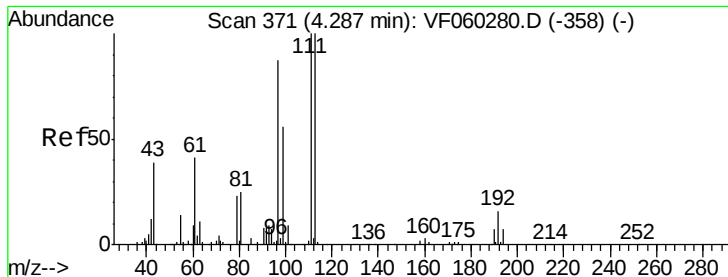
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	486125		
63	23.1	0.0	43.8	
88	20.4	0.0	41.2	





#35

Dibromofluoromethane

Concen: 86.53 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

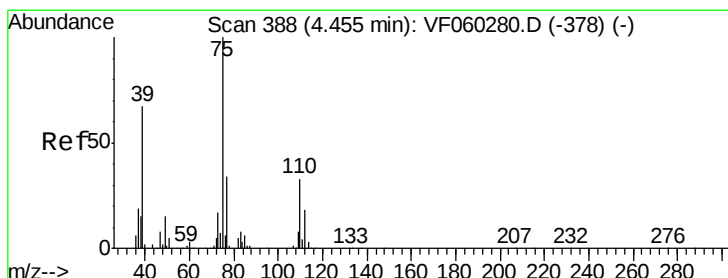
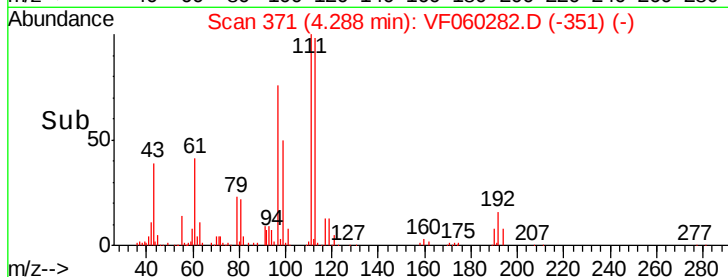
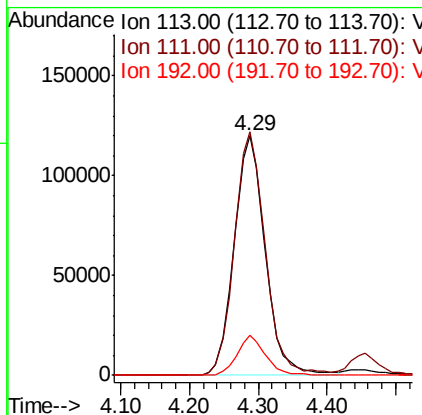
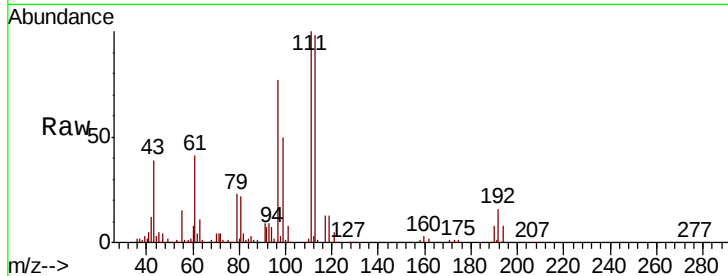
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	374976
Ion	Ratio	Lower	Upper
113	100		
111	101.7	79.6	119.4
192	16.6	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 82.13 ug/l

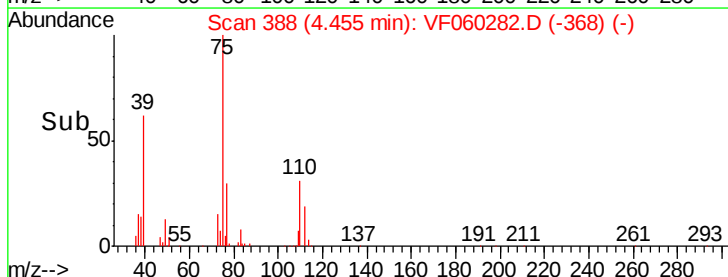
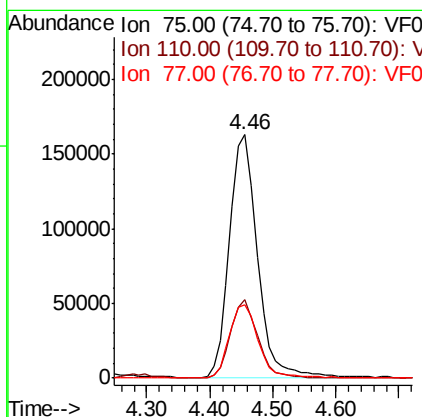
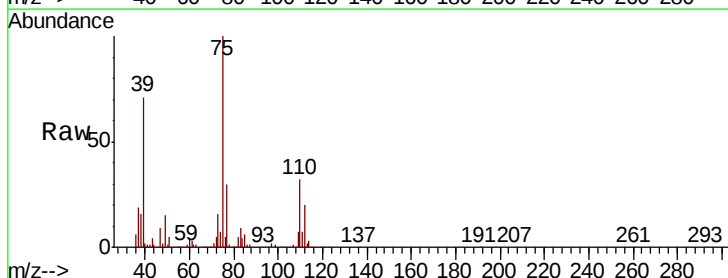
RT: 4.46 min Scan# 388

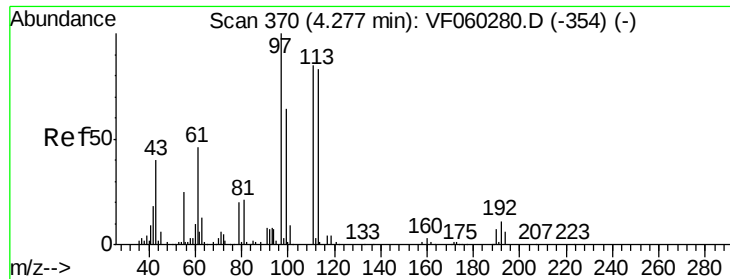
Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Tgt Ion:	75	Resp:	498015
Ion	Ratio	Lower	Upper
75	100		
110	32.0	16.4	49.2
77	30.4	27.3	40.9





#37

Ethyl Acetate

Concen: 83.85 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

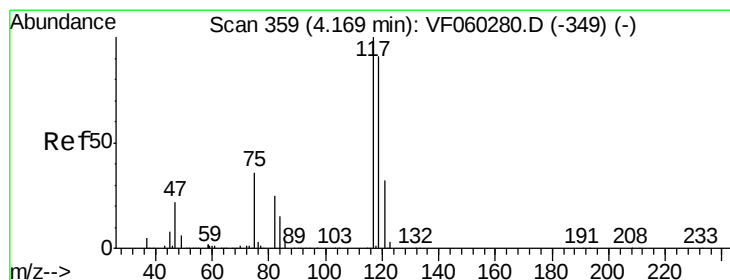
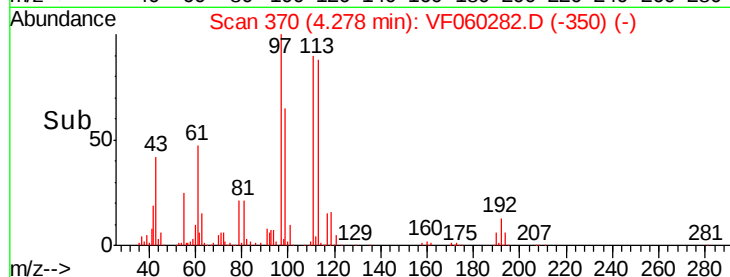
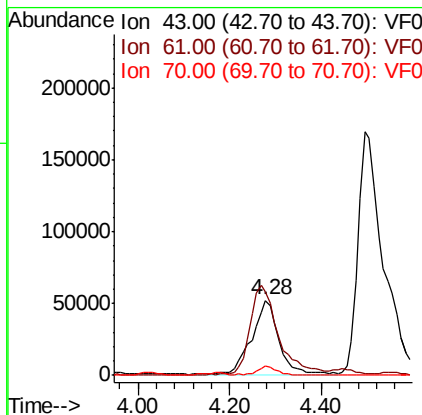
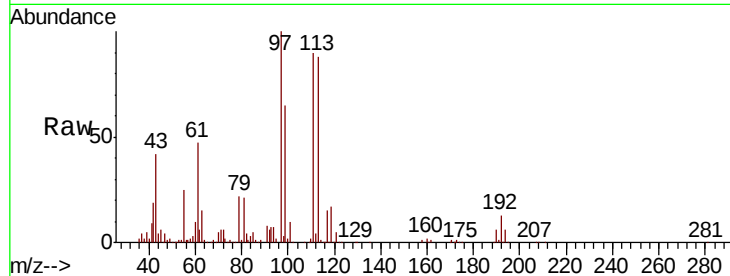
ClientSampleId :

VSTDIC100

Tot Ion	43	61	70	Ratio	Lower	Upper
215129	100	110.4	11.9			
		91.1	6.9			
						136.7
						10.3#

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#38

Carbon Tetrachloride

Concen: 78.56 ug/l m

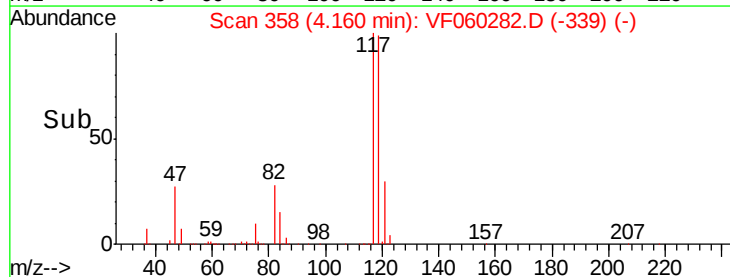
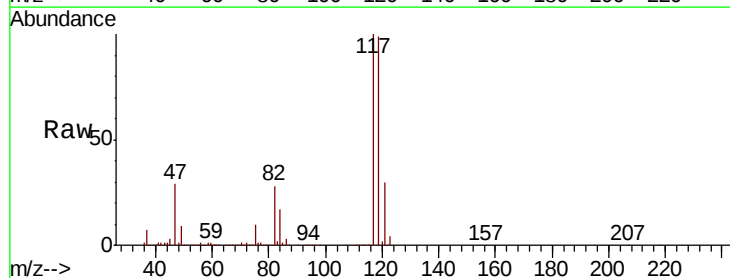
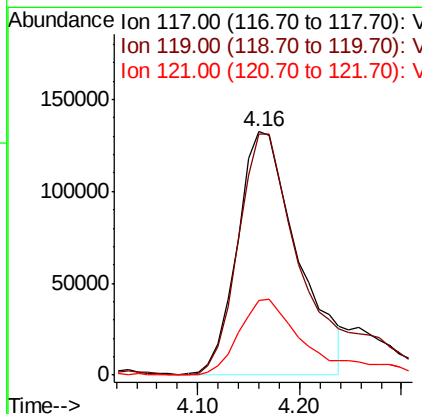
RT: 4.16 min Scan# 358

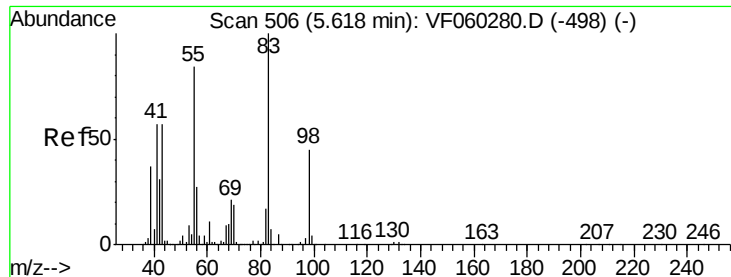
Delta R.T. -0.01 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Tgt Ion	117	119	121	Ratio	Lower	Upper
543588	100	99.0	30.5			
		73.0	25.4			
						109.6
						38.2





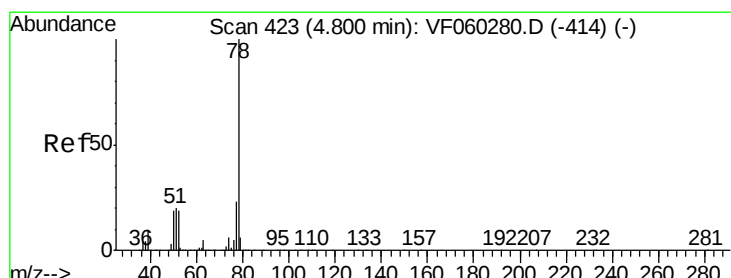
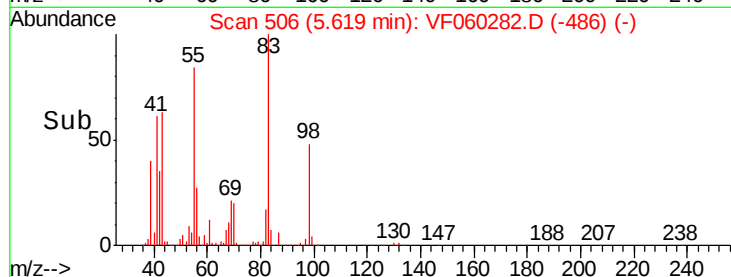
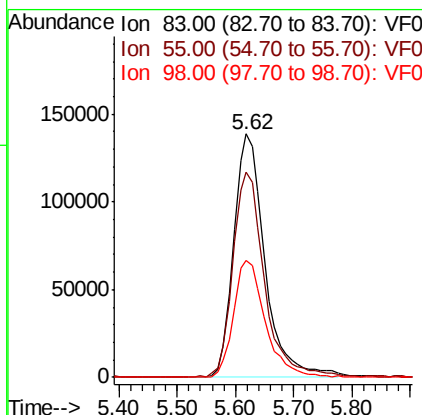
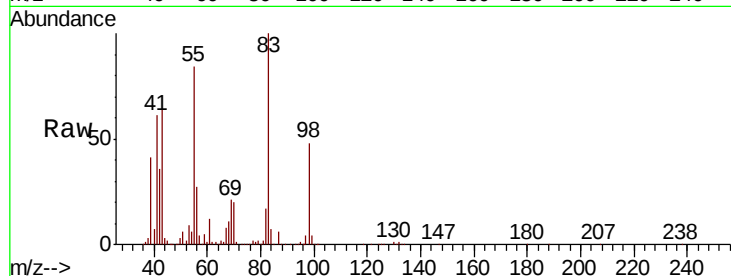
#39
Methvlcvclohexane
Concen: 78.86 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.3	67.3	100.9
98	48.0	36.1	54.1

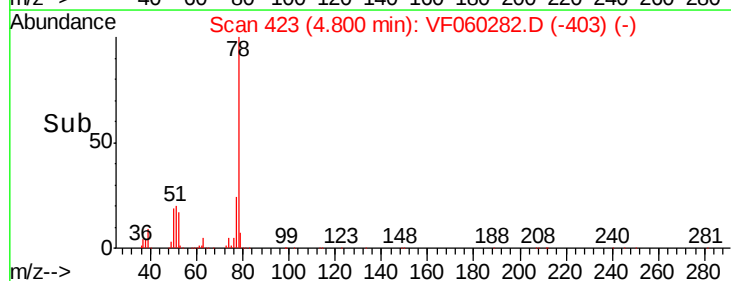
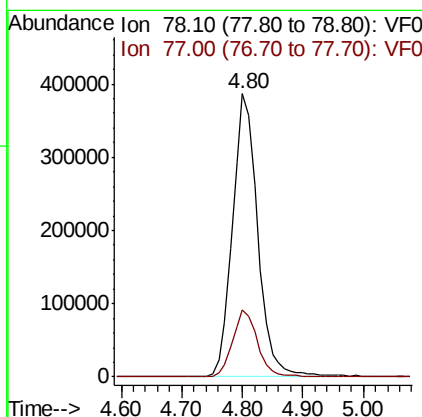
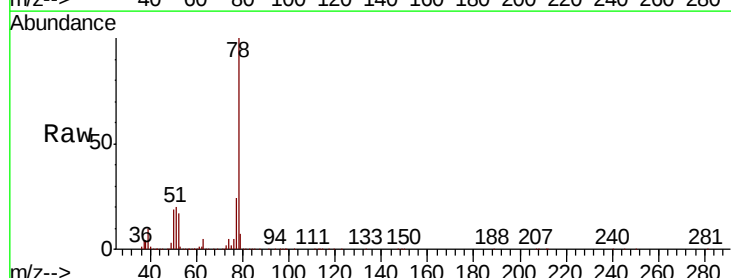
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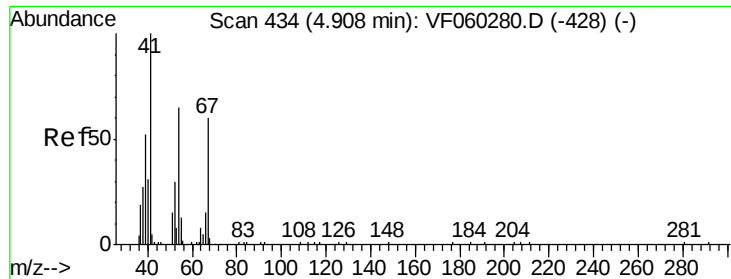
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#40
Benzene
Concen: 81.43 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.4	27.6





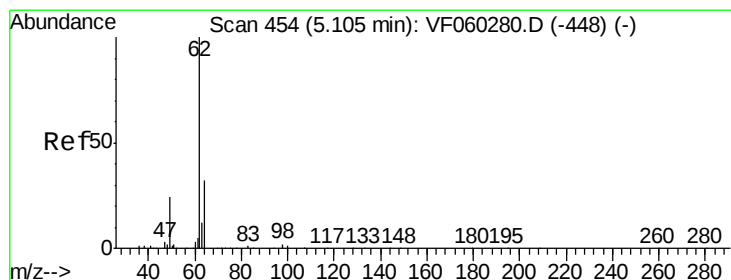
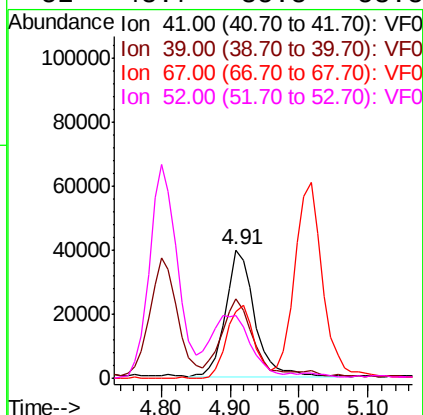
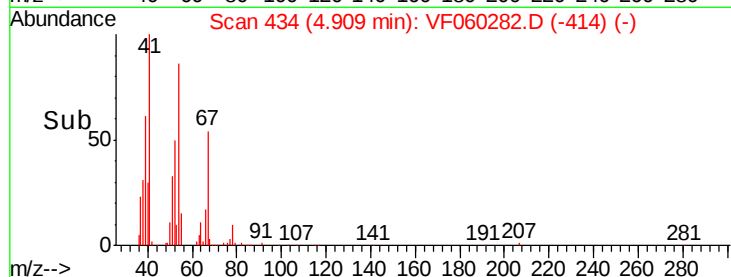
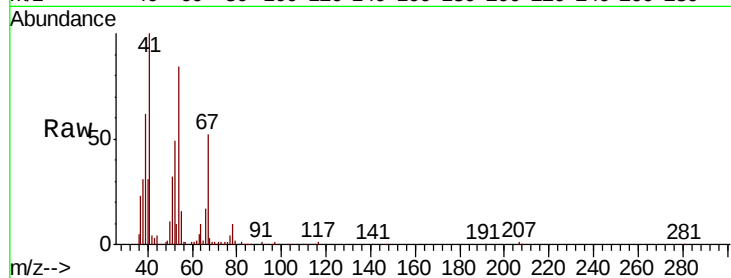
#41
Methacrylonitrile
Concen: 81.62 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.5	49.1	73.7	
67	52.5	48.2	72.4	
52	48.7	35.8	53.8	

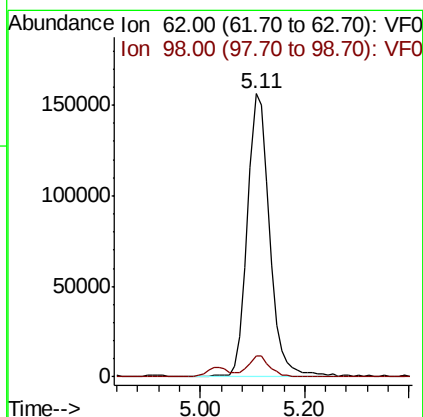
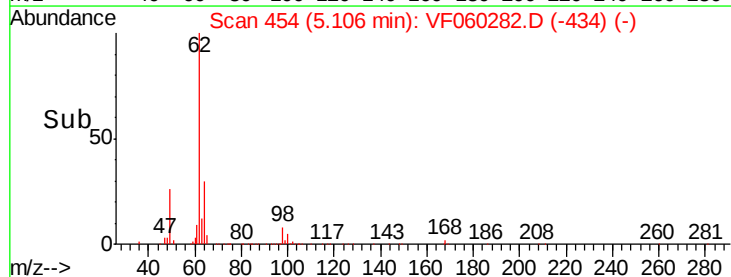
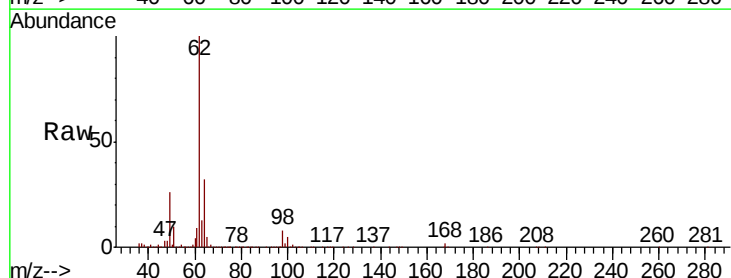
Manual Integrations
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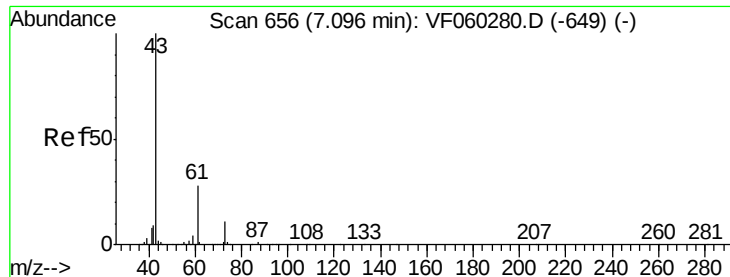
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#42
1,2-Dichloroethane
Concen: 88.26 ug/l
RT: 5.11 min Scan# 454
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.6	0.0	14.4	





#43

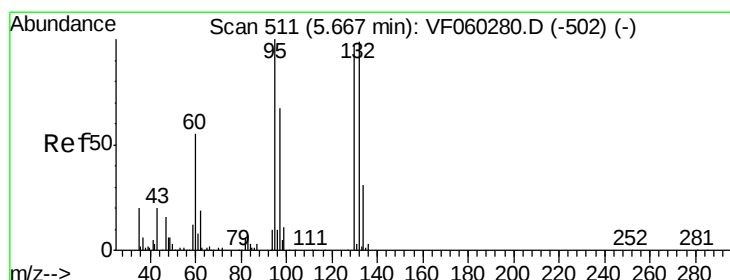
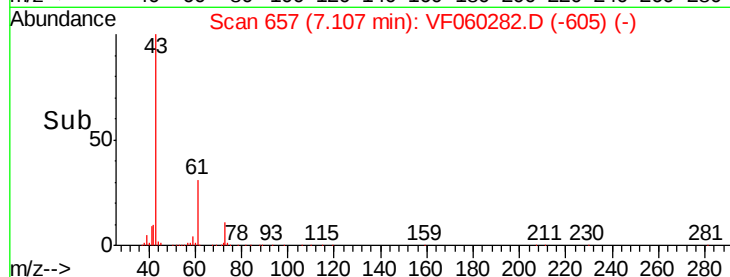
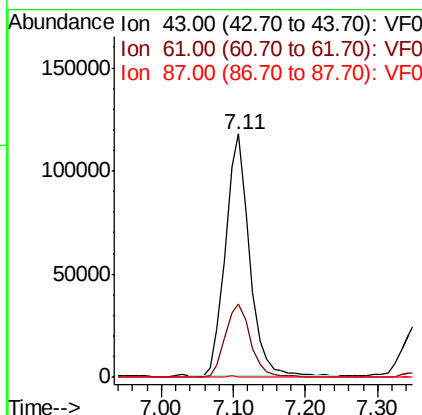
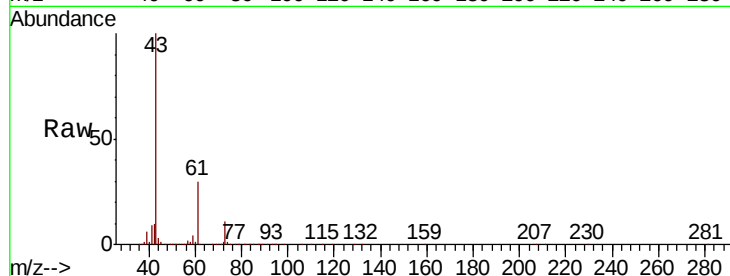
Isopropyl Acetate
 Concen: 87.50 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	22.4	33.6
87	0.3	0.6	0.8

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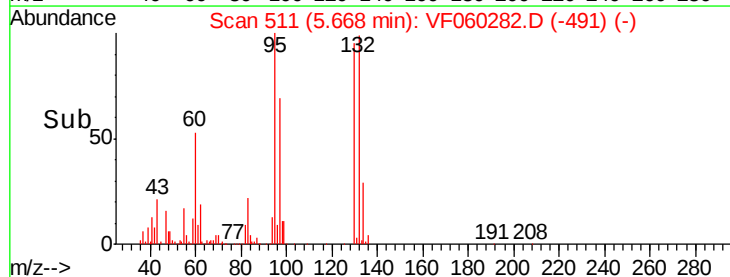
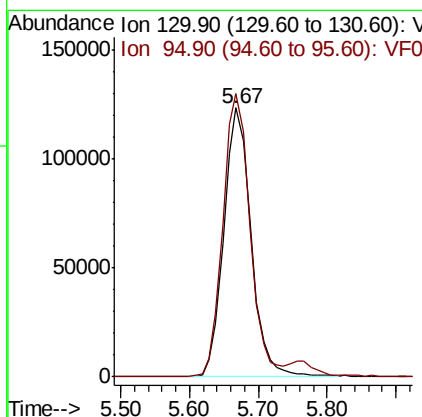
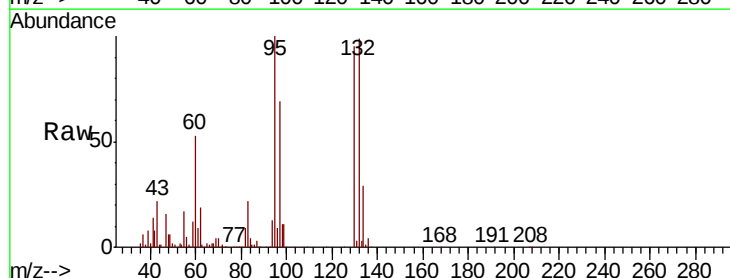
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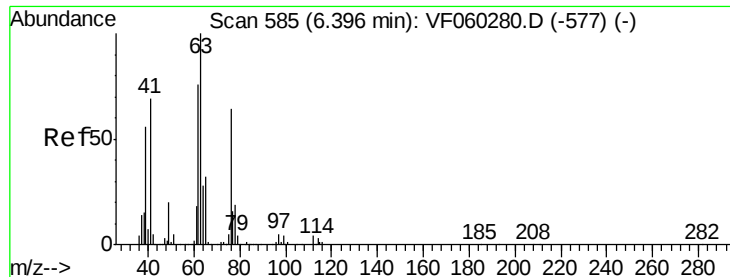


#44

Trichloroethene
 Concen: 83.11 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	205.6





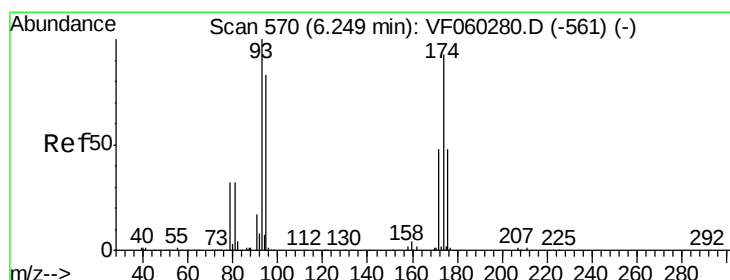
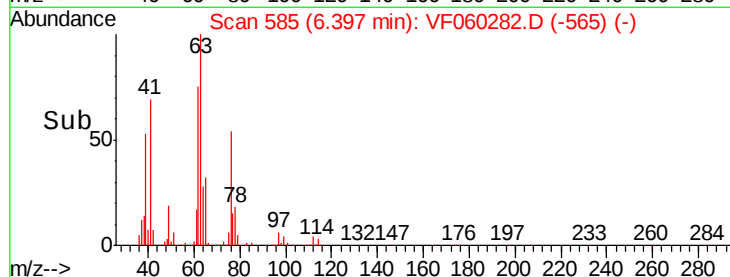
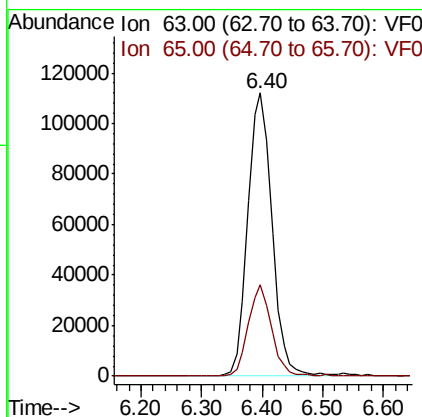
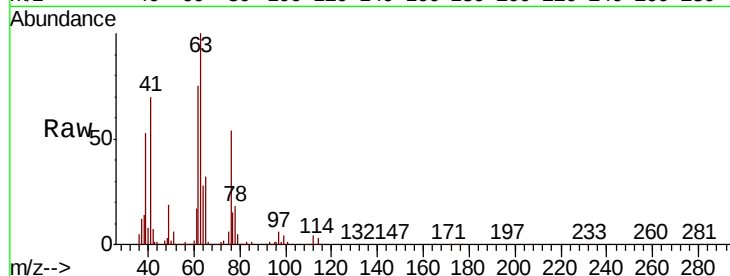
#45
 1,2-Dichloropropane
 Concen: 87.78 ug/l
 RT: 6.40 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	26.2	39.4

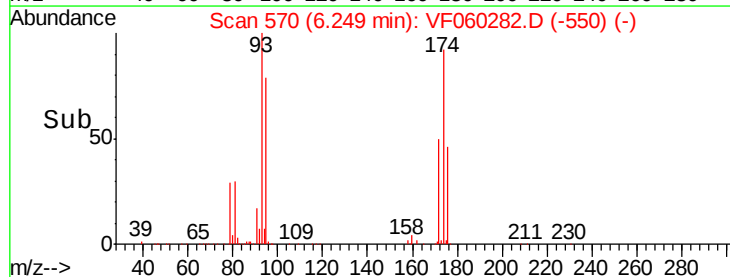
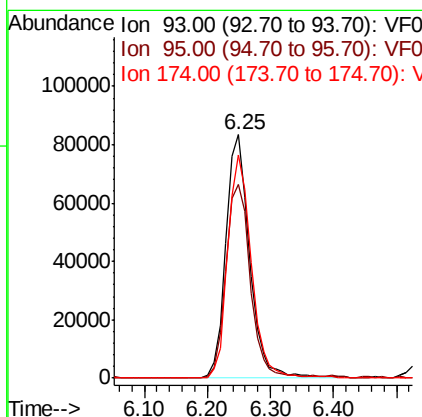
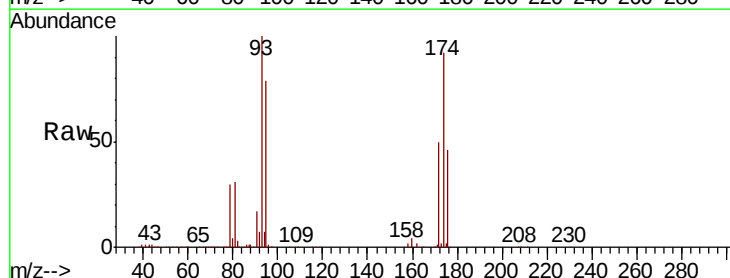
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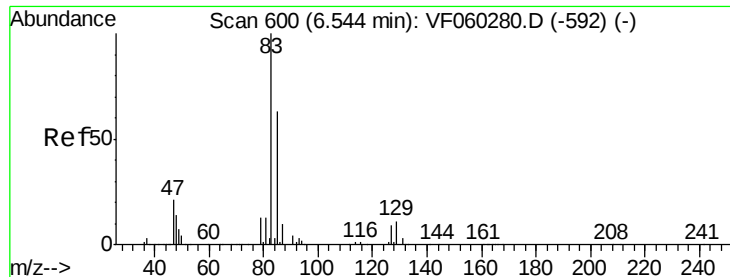
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#46
 Dibromomethane
 Concen: 85.75 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.4	67.0	100.6
174	91.6	74.8	112.2





#47

Bromodichloromethane

Concen: 86.48 ug/l

RT: 6.55 min Scan# 600

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

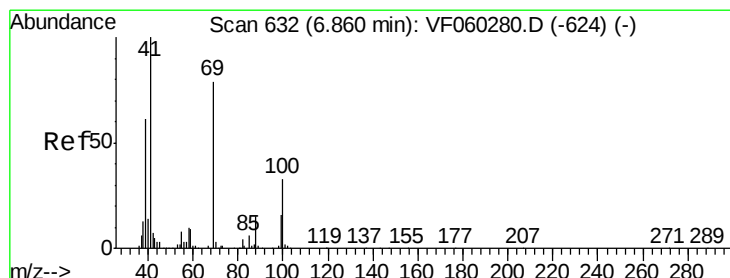
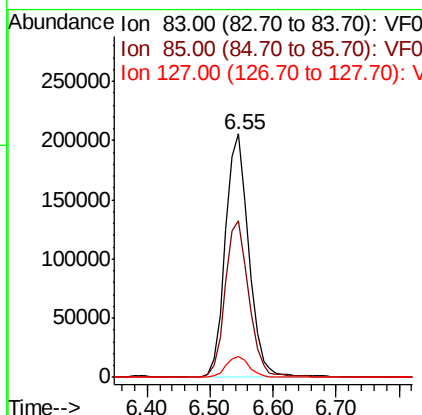
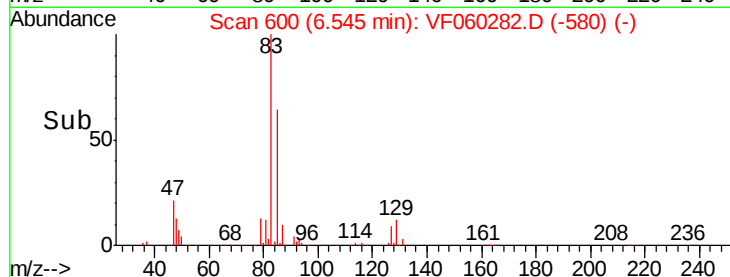
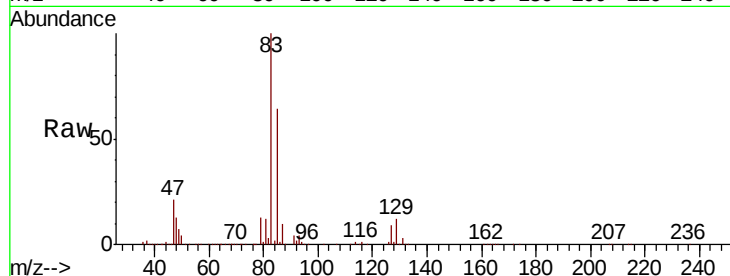
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	528629
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.6	76.0
127	8.6	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 87.75 ug/l

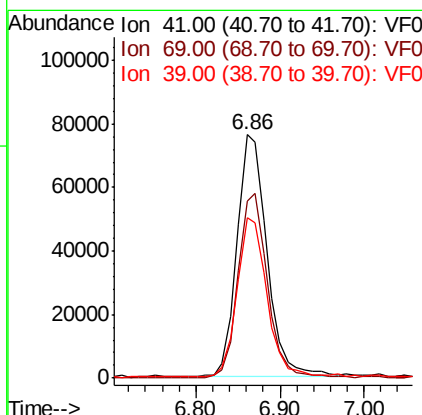
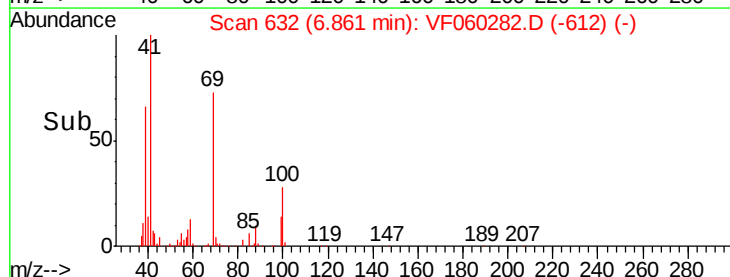
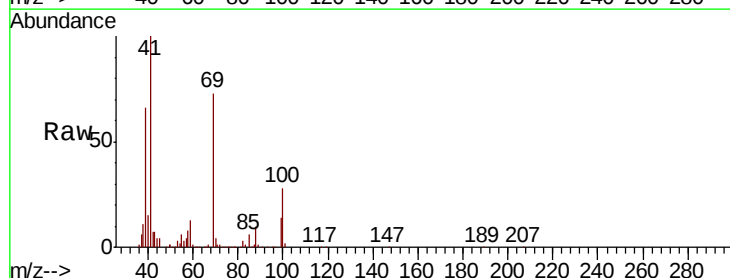
RT: 6.86 min Scan# 632

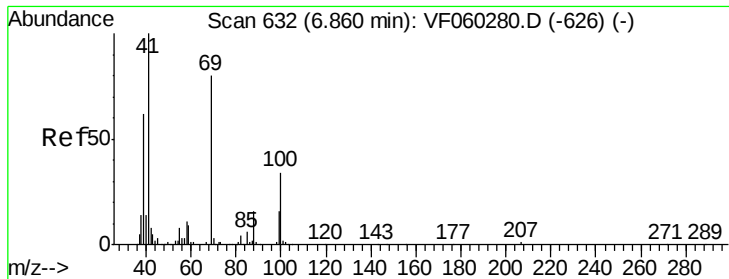
Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Tgt Ion:	41	Resp:	190253
Ion Ratio	Lower	Upper	
41	100		
69	72.7	62.6	94.0
39	66.0	49.1	73.7





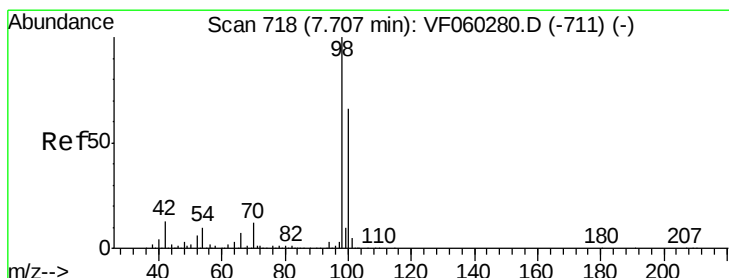
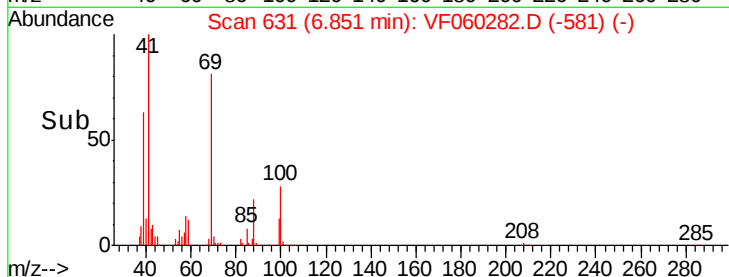
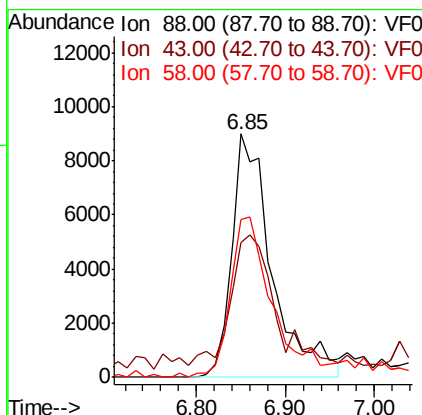
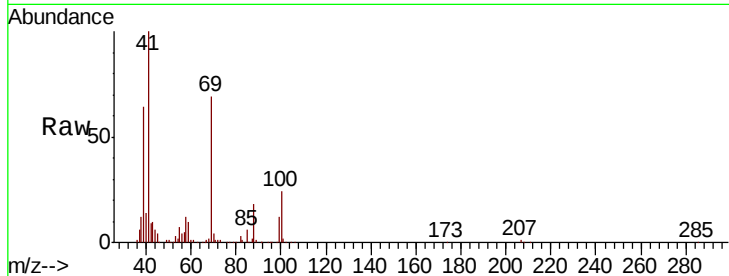
#49
 1,4-Dioxane
 Concen: 1462.55 ug/l
 RT: 6.85 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.2	40.2	60.4
58	64.6	56.7	85.1

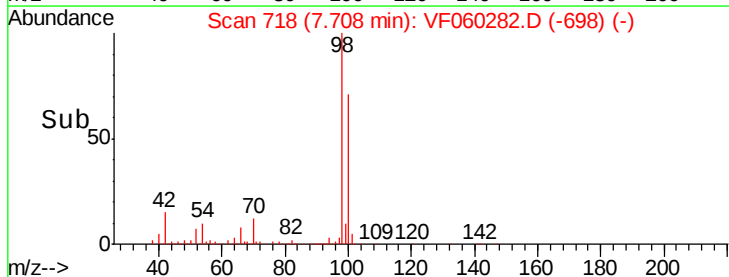
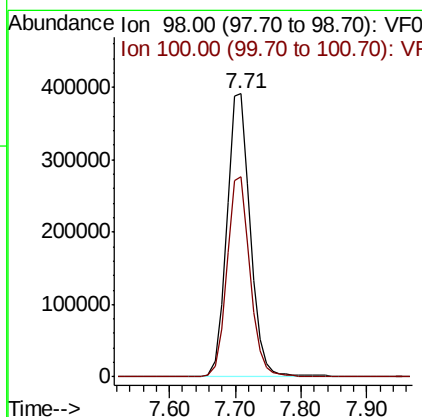
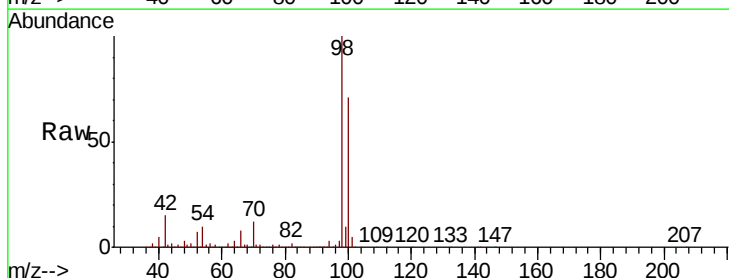
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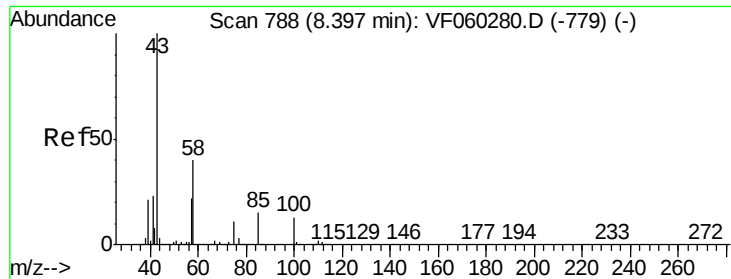
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#50
 Toluene-d8
 Concen: 86.39 ug/l
 RT: 7.71 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.6	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 479.79 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1142207

Ion Ratio Lower Upper

43 100

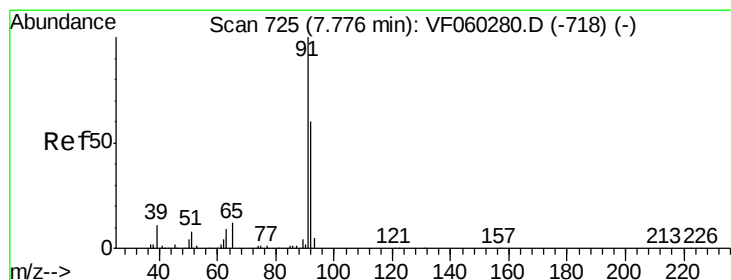
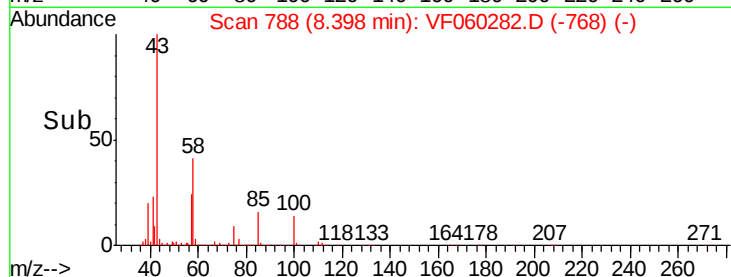
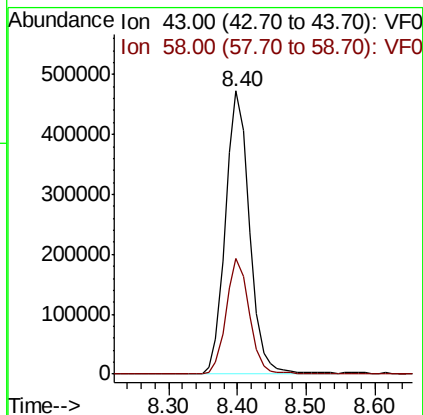
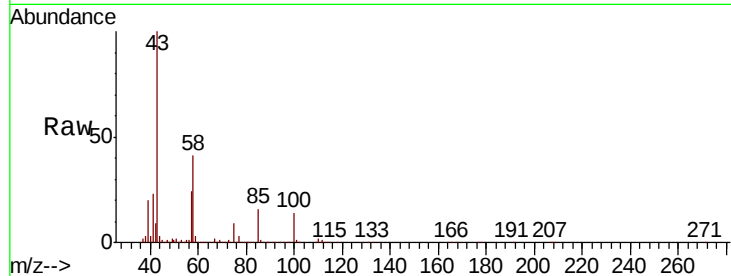
58 41.0 31.8 47.8

Manual Integrations

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#52

Toluene

Concen: 81.17 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060282.D

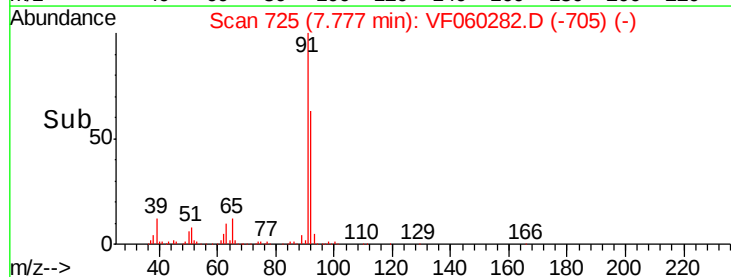
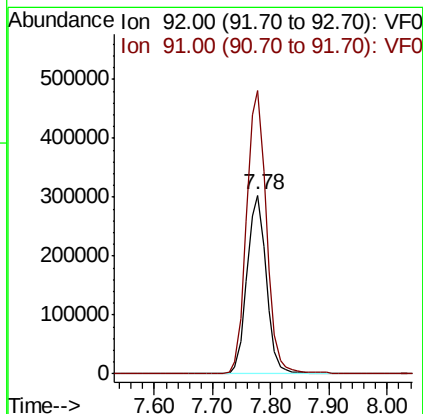
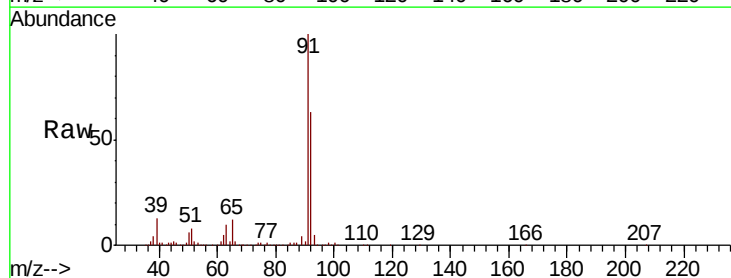
Acq: 19 Sep 2018 15:10

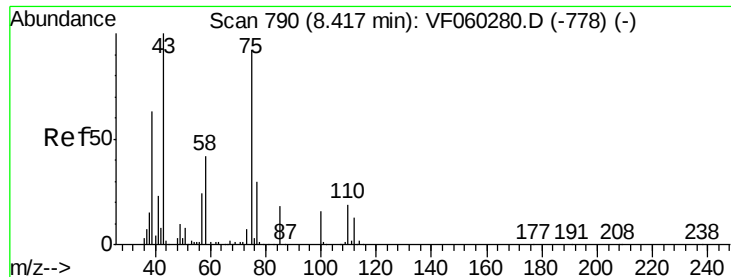
Tgt Ion: 92 Resp: 706015

Ion Ratio Lower Upper

92 100

91 158.4 133.3 199.9





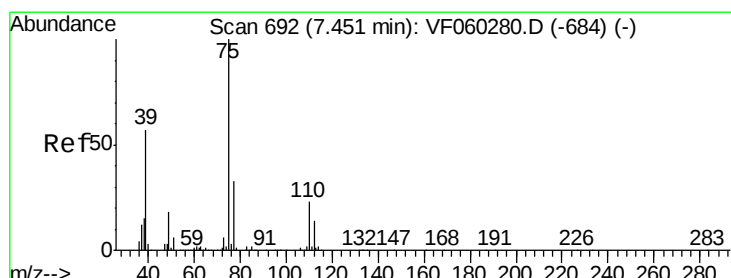
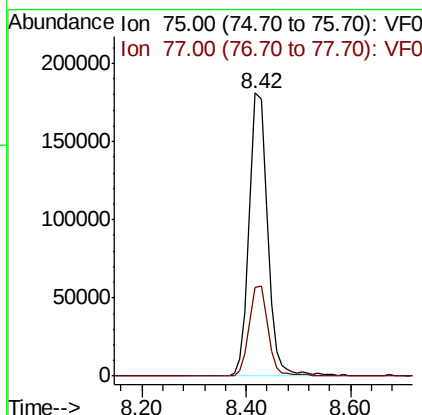
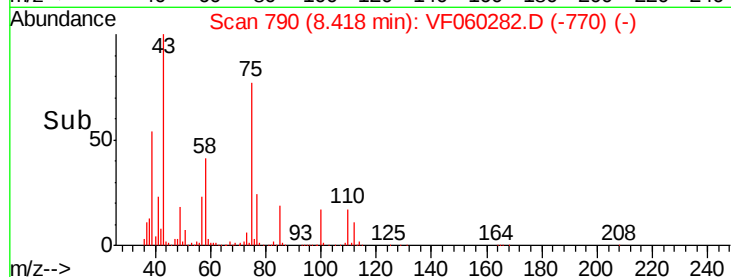
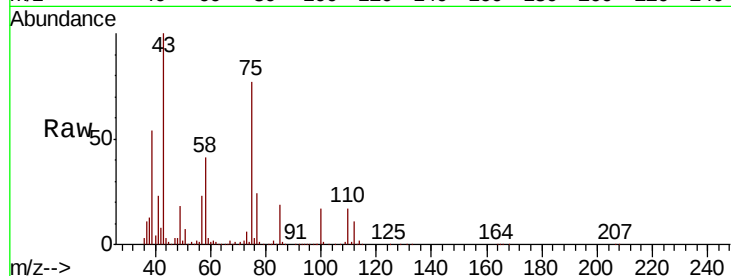
#53
t-1,3-Dichloropropene
Concen: 86.96 ug/l
RT: 8.42 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.9	38.9

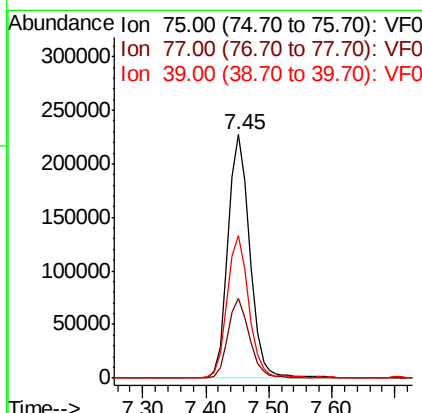
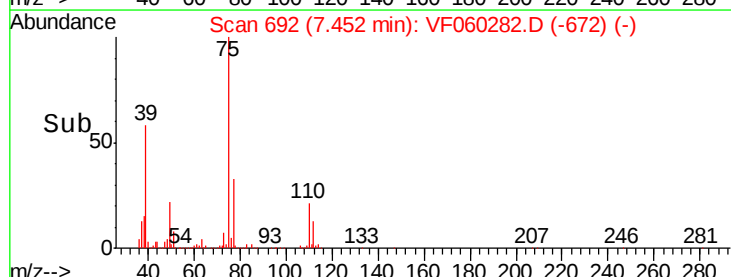
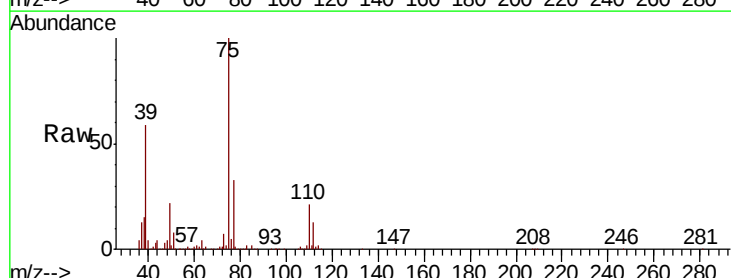
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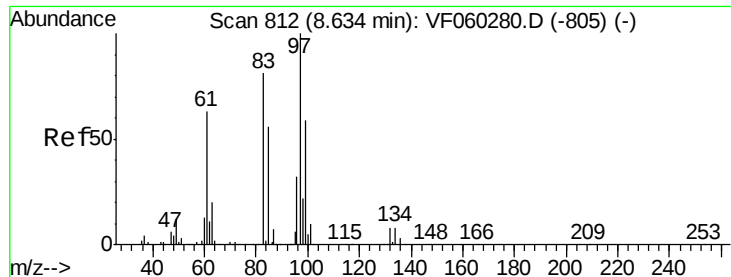
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#54
cis-1,3-Dichloropropene
Concen: 87.20 ug/l
RT: 7.45 min Scan# 692
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.3	39.5
39	58.6	46.1	69.1





#55

1,1,2-Trichloroethane

Concen: 89.54 ug/l

RT: 8.63 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

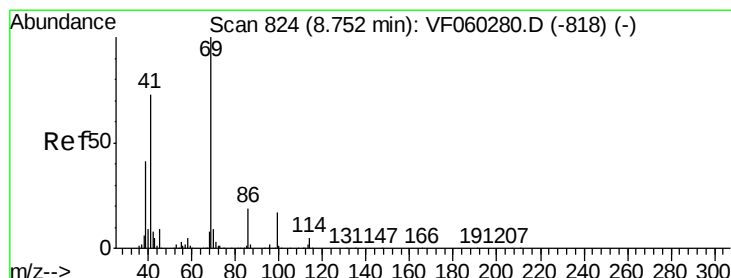
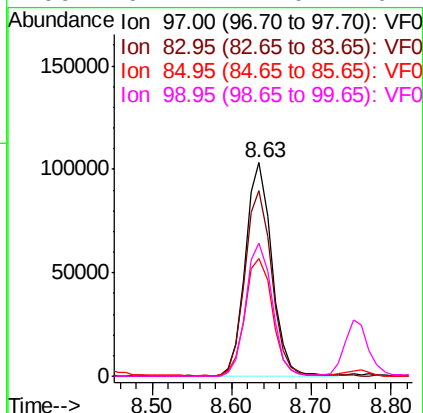
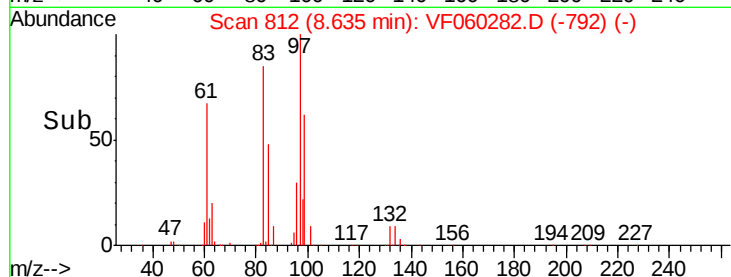
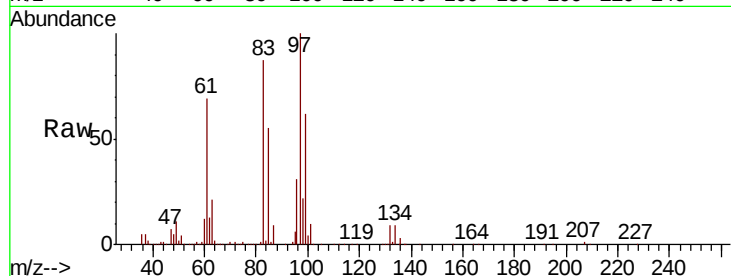
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	236384
Ion	Ratio	Lower	Upper
97	100		
83	87.1	65.3	97.9
85	55.1	44.7	67.1
99	62.1	47.0	70.4

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#56

Ethyl methacrylate

Concen: 86.95 ug/l

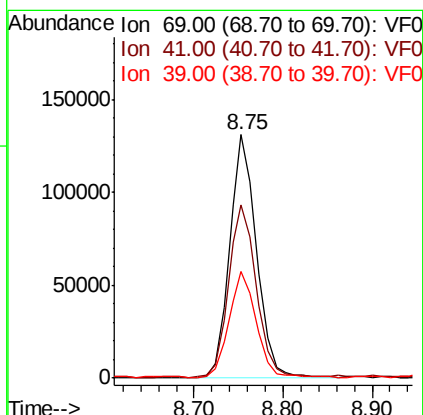
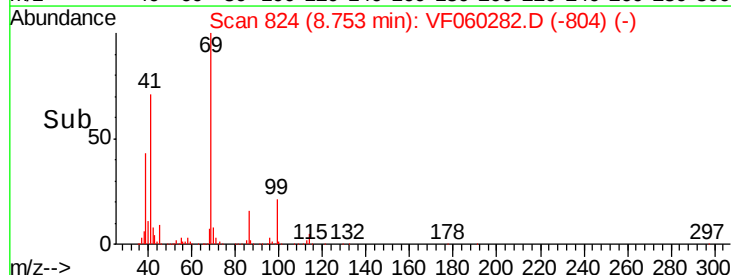
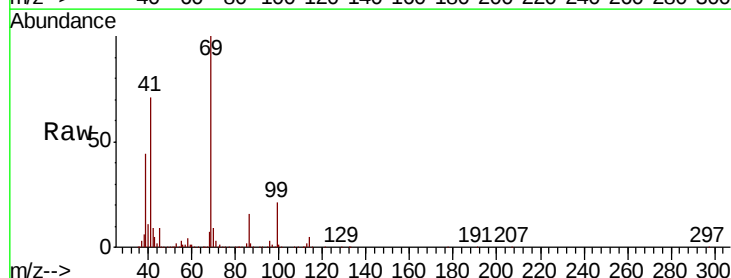
RT: 8.75 min Scan# 824

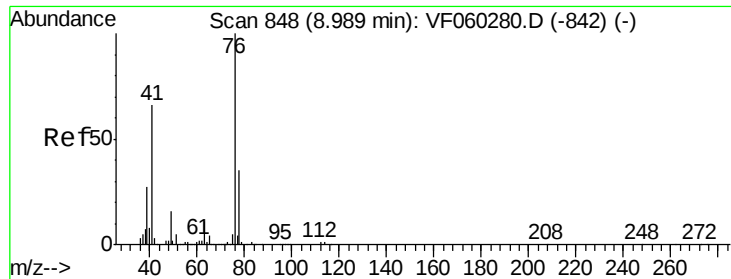
Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Tgt Ion:	69	Resp:	277218
Ion	Ratio	Lower	Upper
69	100		
41	71.0	59.4	89.2
39	43.6	33.5	50.3





#57

1,3-Dichloropropane

Concen: 90.09 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.01 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 393810

Ion Ratio Lower Upper

76 100

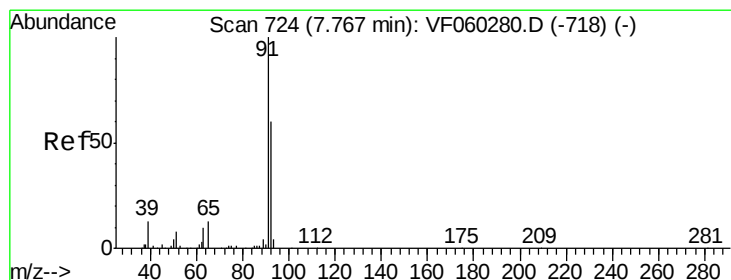
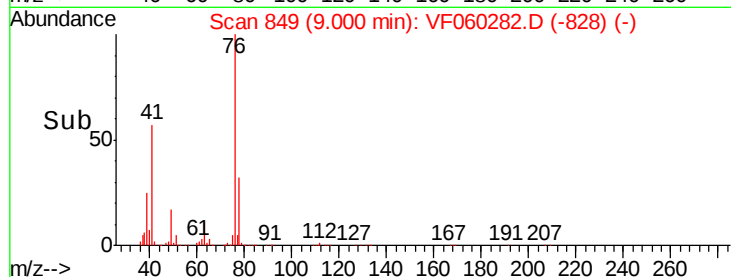
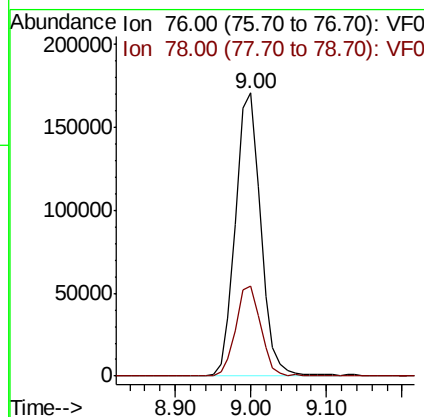
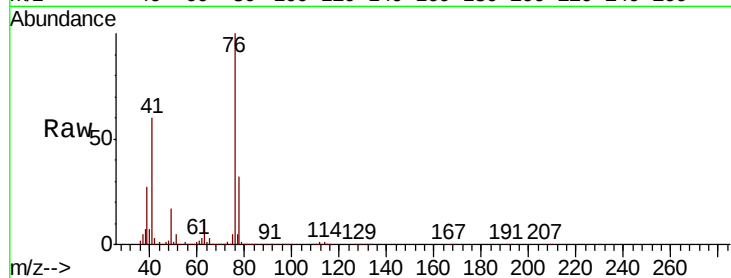
78 31.6 28.2 42.2

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#58

2-Chloroethyl Vinyl ether

Concen: 405.78 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.01 min

Lab File: VF060282.D

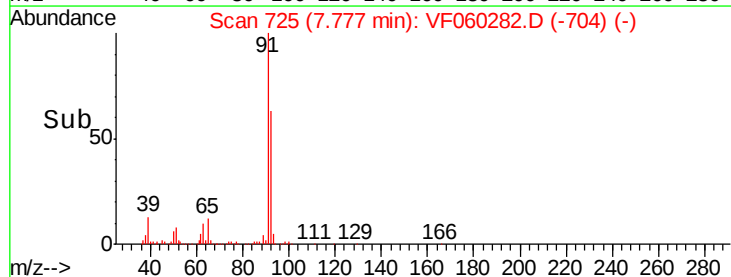
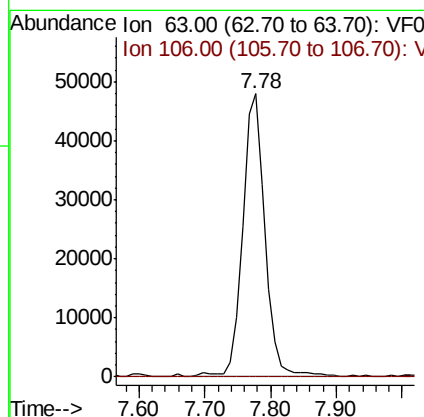
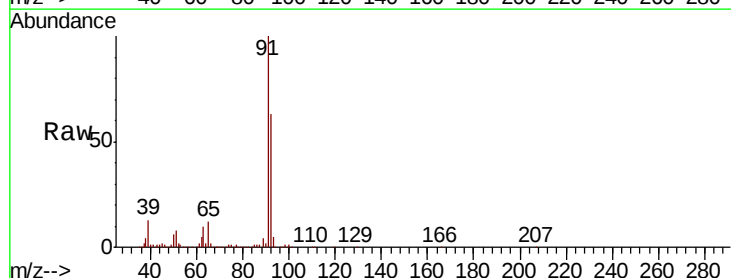
Acq: 19 Sep 2018 15:10

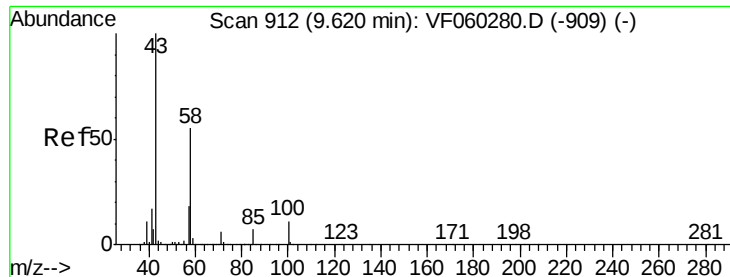
Tgt Ion: 63 Resp: 114376

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





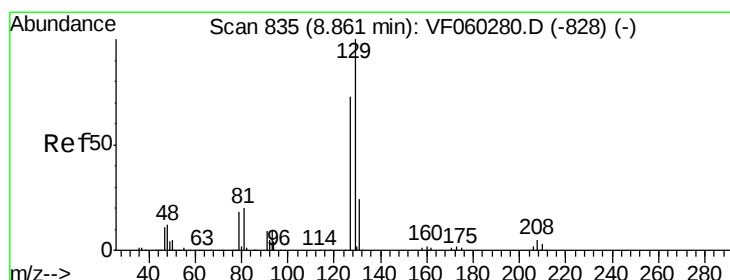
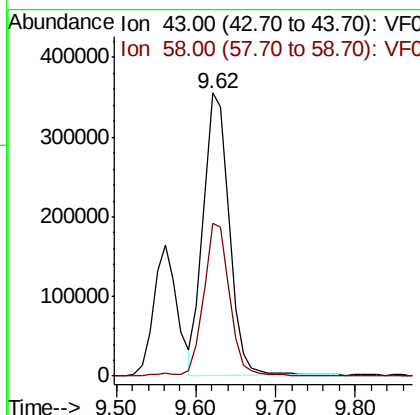
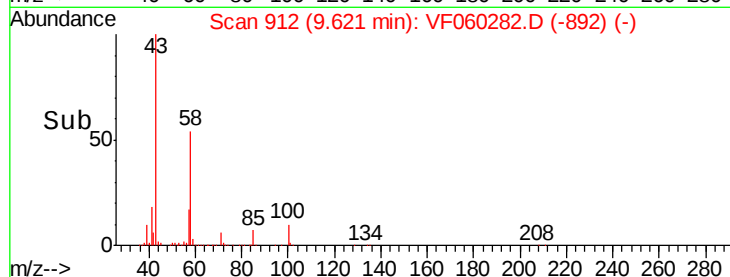
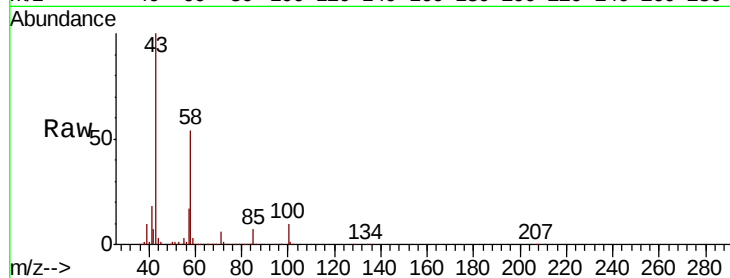
#59
2-Hexanone
Concen: 475.14 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	25.9	77.6

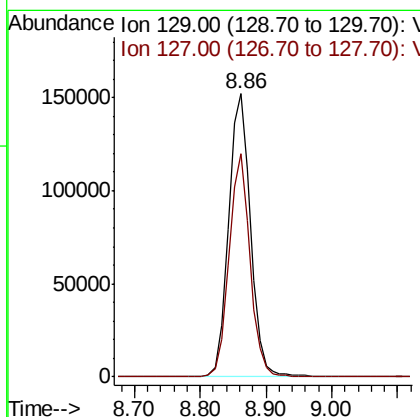
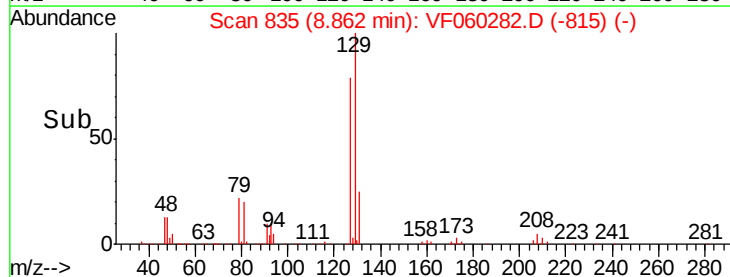
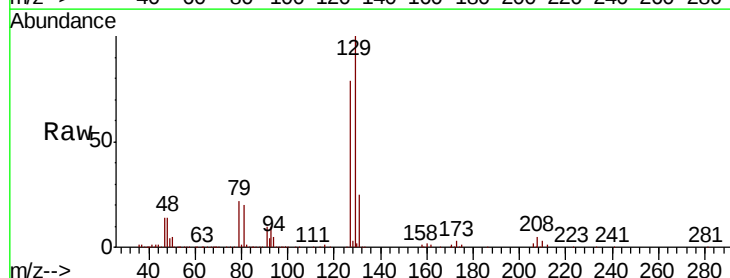
Manual Integrations
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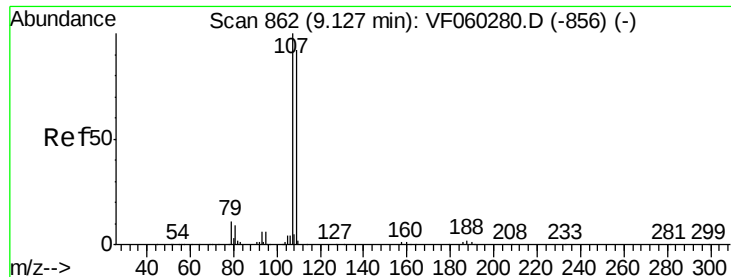
apatel
9/20/2018 11:41:27 AM



#60
Dibromochloromethane
Concen: 90.33 ug/l
RT: 8.86 min Scan# 835
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	36.6	109.8





#61

1,2-Dibromoethane

Concen: 88.02 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 258769

Ion Ratio Lower Upper

107 100

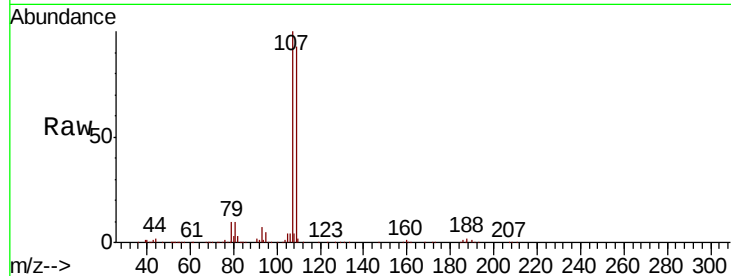
109 93.5 73.2 109.8

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

120000

100000

80000

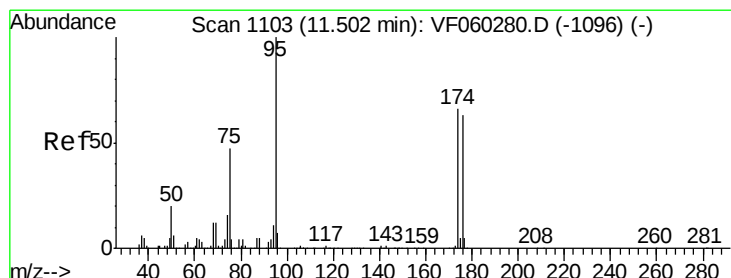
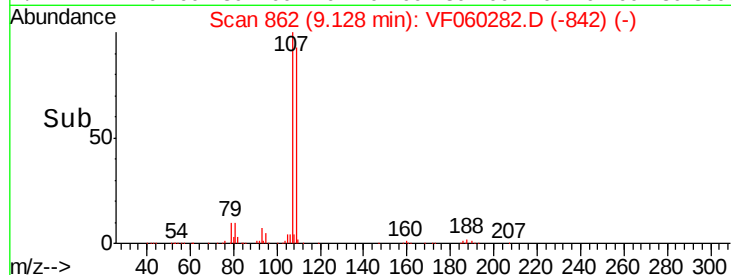
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 83.84 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

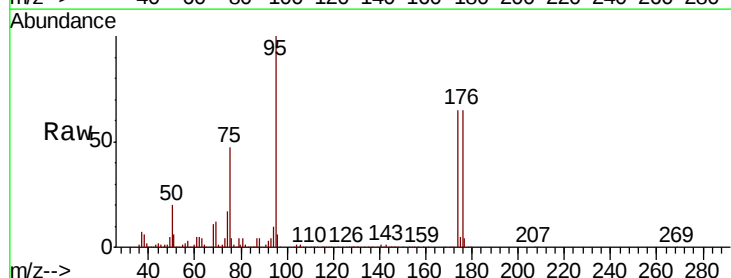
Tgt Ion: 95 Resp: 409005

Ion Ratio Lower Upper

95 100

174 64.7 0.0 131.2

176 65.4 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

300000

250000

200000

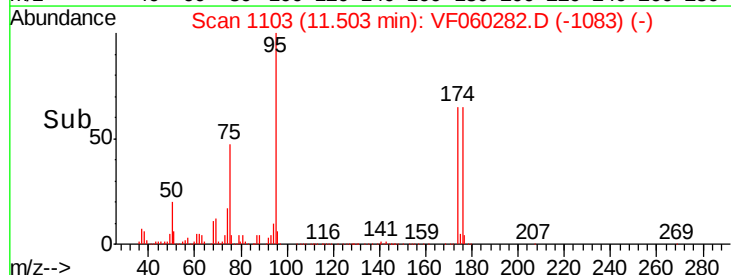
150000

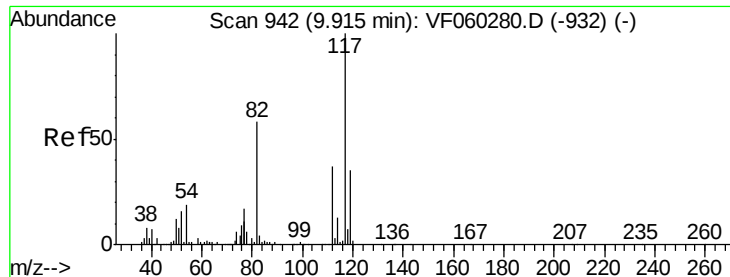
100000

50000

0

Time-->





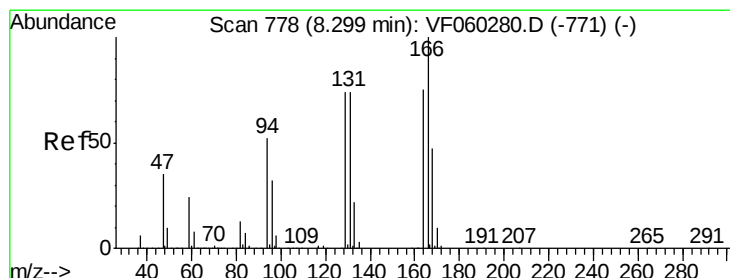
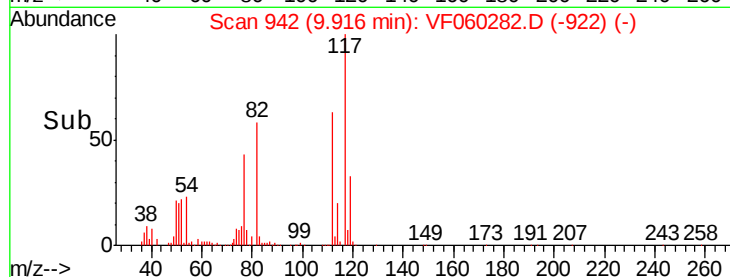
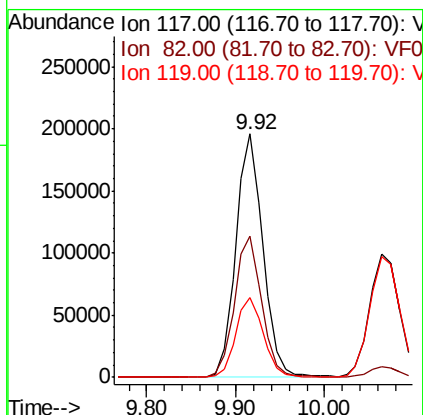
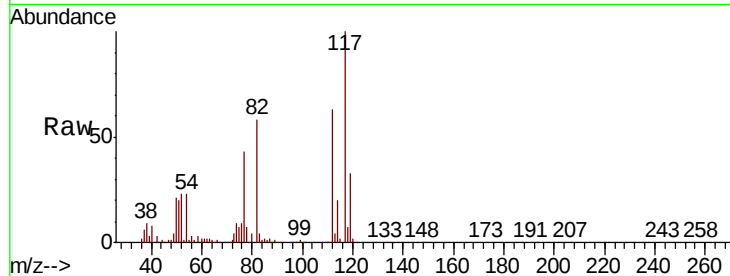
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	415526		
82	58.2		46.2	69.2
119	32.9		27.8	41.6

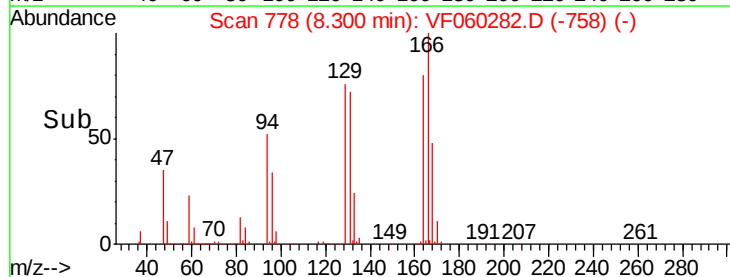
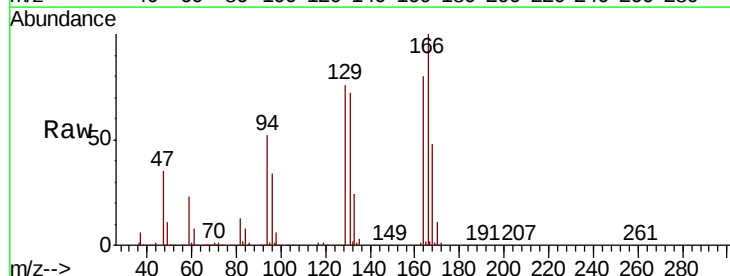
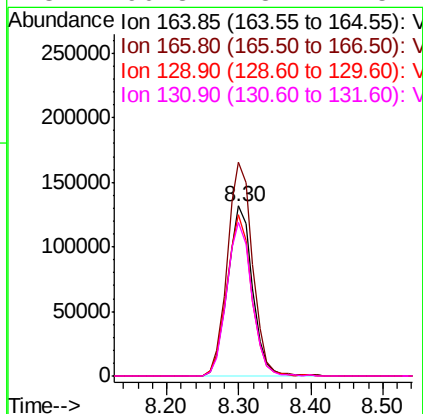
Manual Integrations
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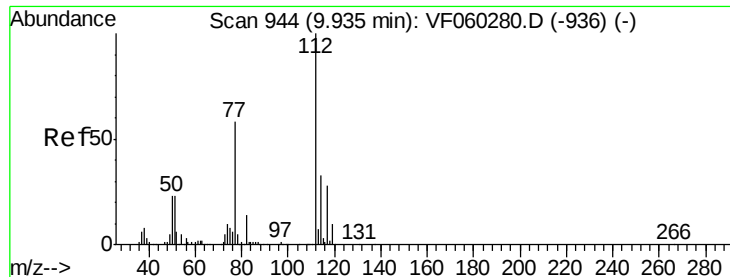
apatel
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#64
Tetrachloroethene
Concen: 84.02 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	316508		
166	125.7		106.8	160.2
129	95.0		78.8	118.2
131	90.3		78.7	118.1





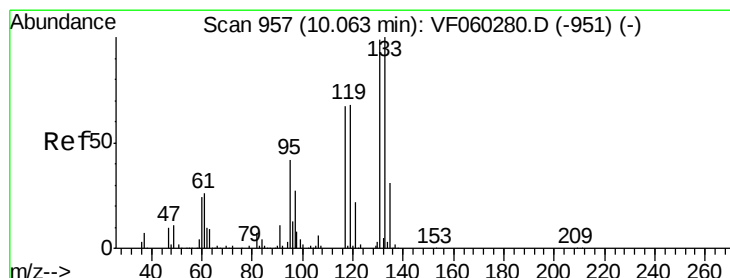
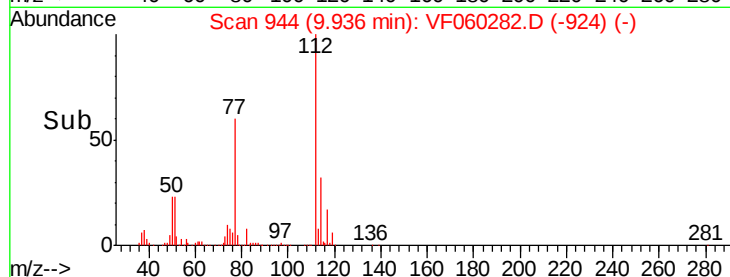
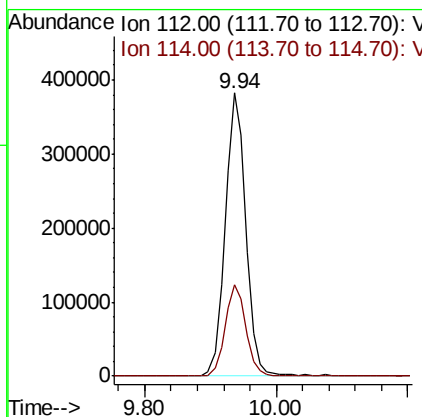
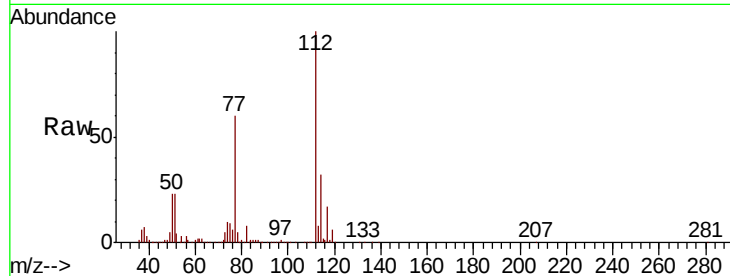
#65
Chlorobenzene
Concen: 89.00 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.6	40.0

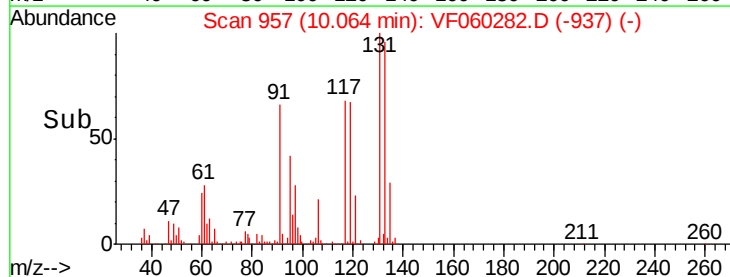
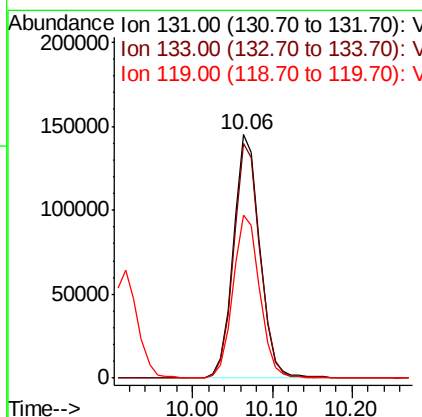
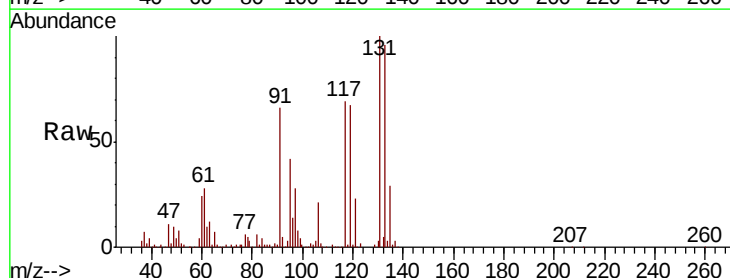
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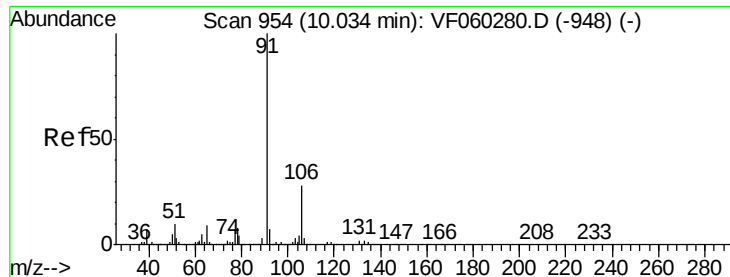
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#66
1,1,1,2-Tetrachloroethane
Concen: 85.65 ug/l
RT: 10.06 min Scan# 957
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	50.4	151.2
119	66.8	34.8	104.3





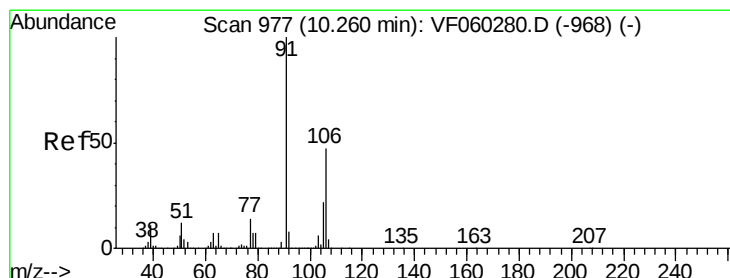
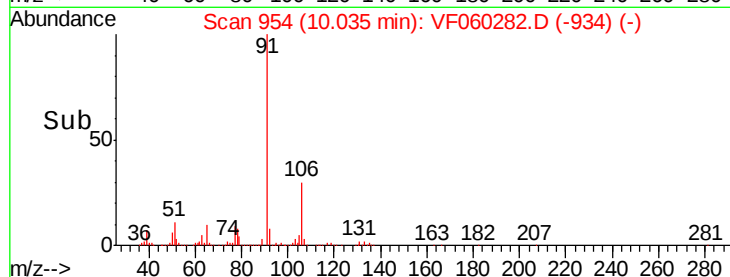
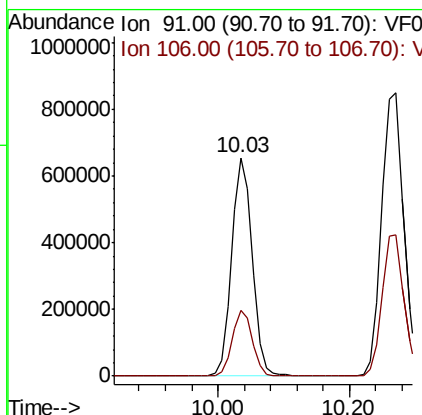
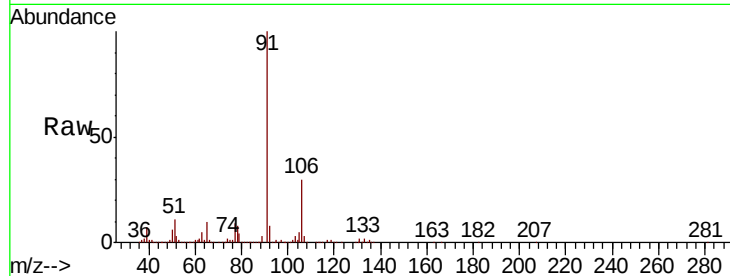
#67
Ethyl Benzene
Concen: 82.86 ug/l
RT: 10.03 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1442783
Ion Ratio Lower Upper
91 100
106 30.0 22.7 34.1

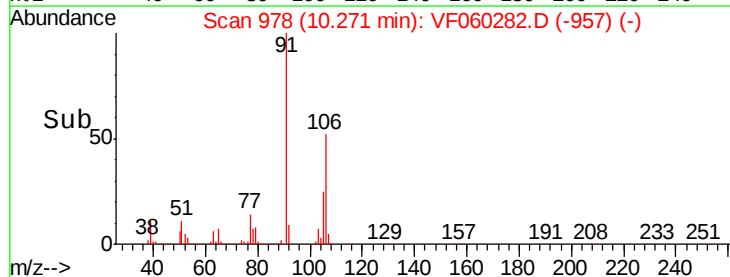
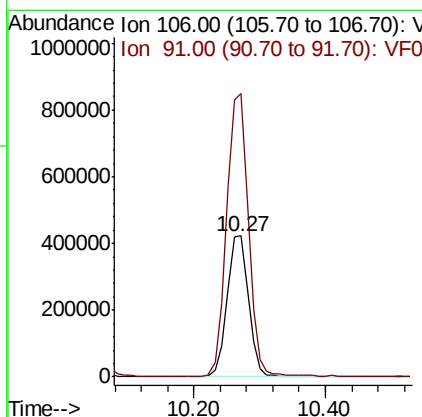
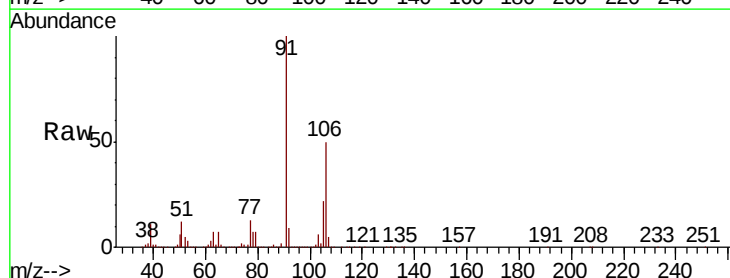
Manual Integrations
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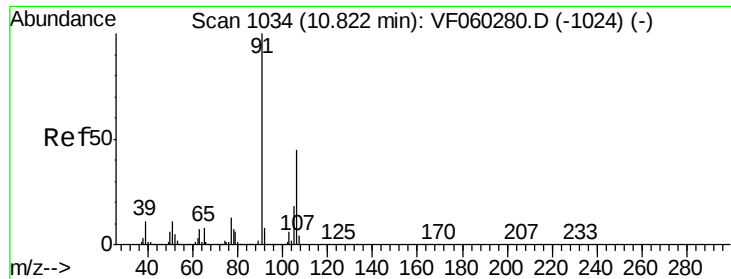
apatel
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#68
m/p-Xylenes
Concen: 161.53 ug/l
RT: 10.27 min Scan# 978
Delta R.T. 0.01 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion: 106 Resp: 971733
Ion Ratio Lower Upper
106 100
91 200.6 172.3 258.5





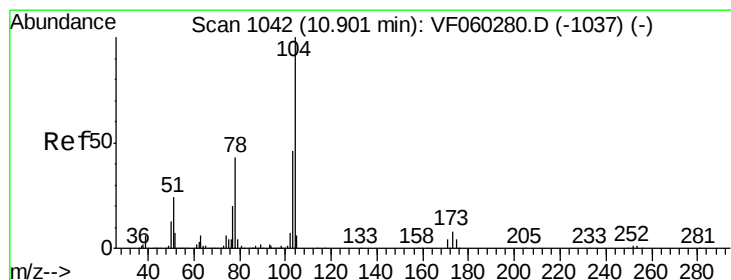
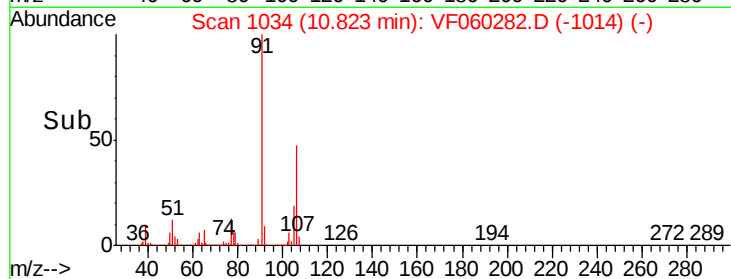
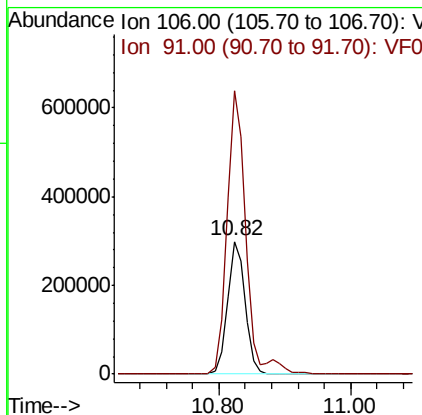
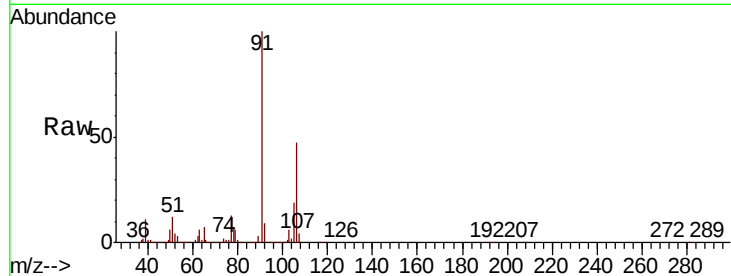
#69
o-Xylene
Concen: 83.60 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.9	110.9	332.6

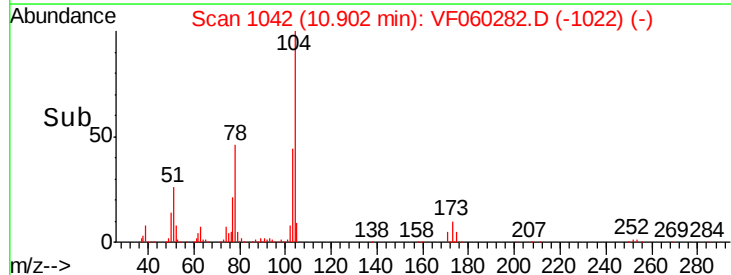
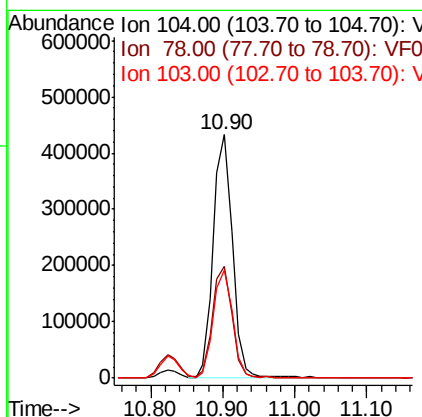
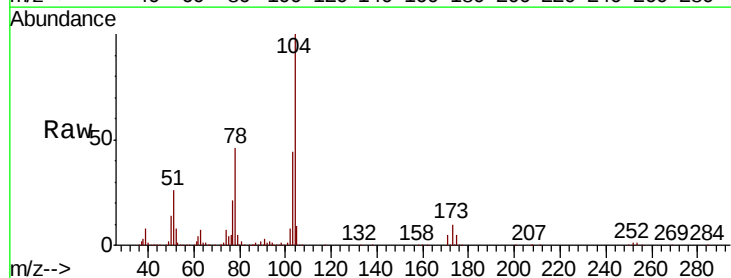
Manual Integrations
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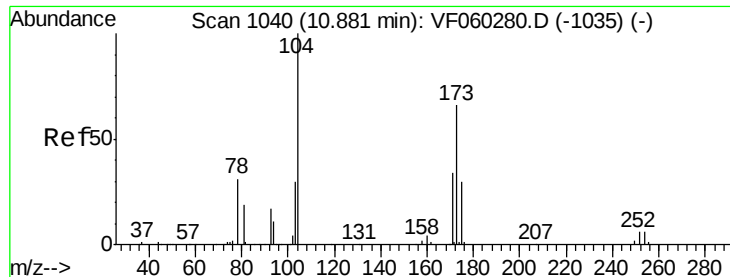
apatel
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#70
Styrene
Concen: 83.51 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.7	35.0	52.6
103	44.4	37.4	56.0





#71

Bromoform

Concen: 89.41 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

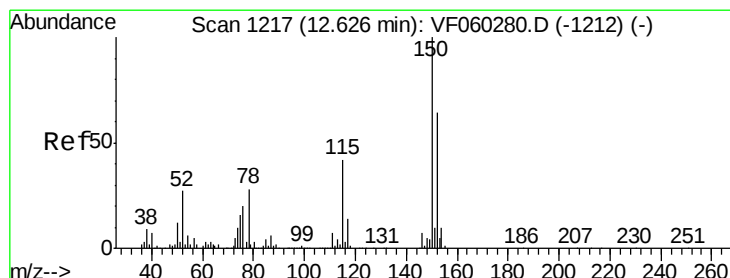
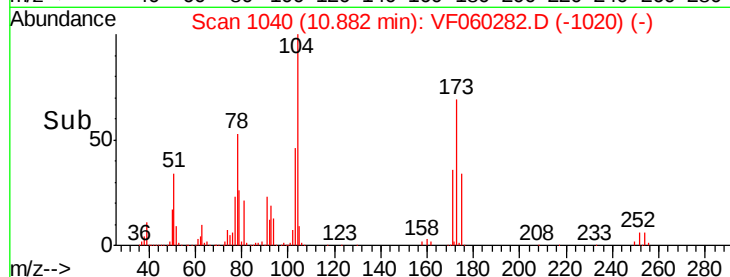
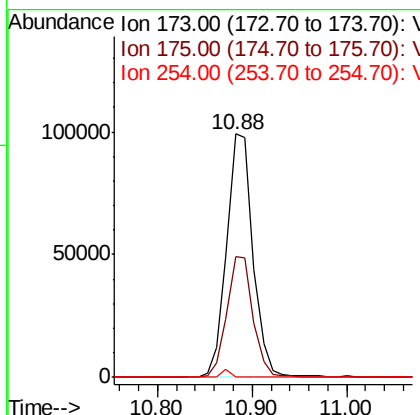
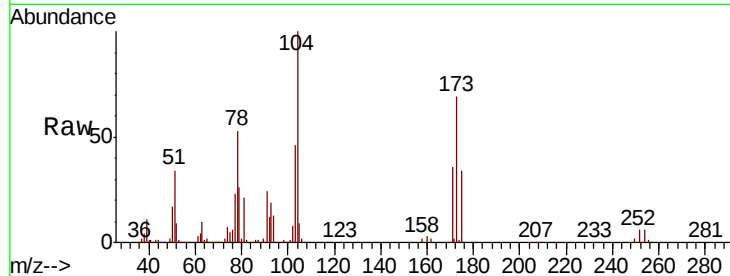
ClientSampleId :

VSTDIC100

Tot Ion:	173	Resp:	191906
Ion Ratio	Lower	Upper	
173	100		
175	49.4	22.3	66.9
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

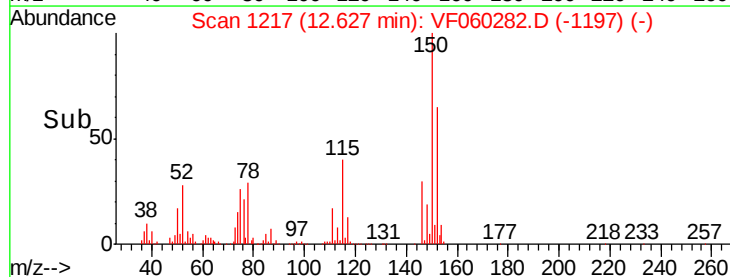
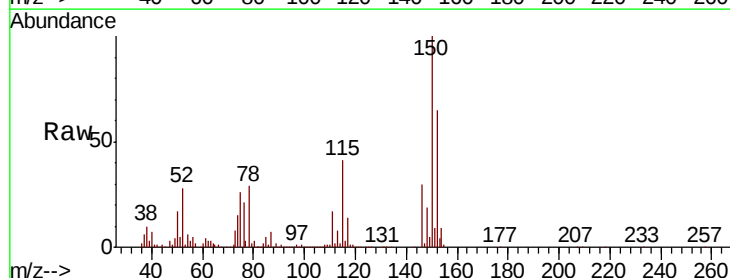
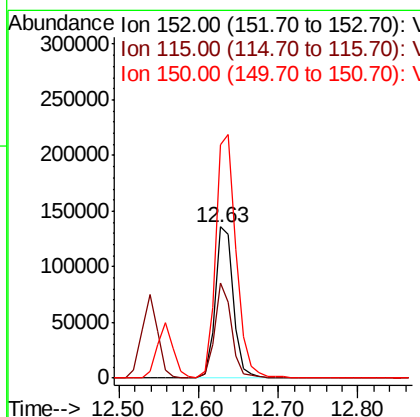
RT: 12.63 min Scan# 1217

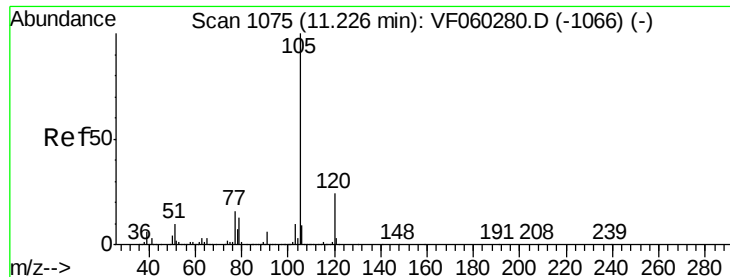
Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Tgt Ion:	152	Resp:	219224
Ion Ratio	Lower	Upper	
152	100		
115	62.9	32.6	97.8
150	154.8	0.0	314.2





#73

Isopropylbenzene

Concen: 78.79 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1550634

Ion Ratio Lower Upper

105 100

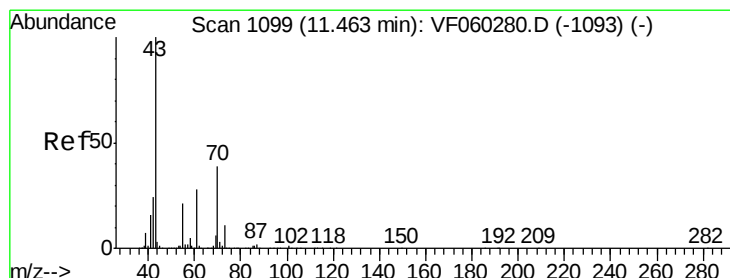
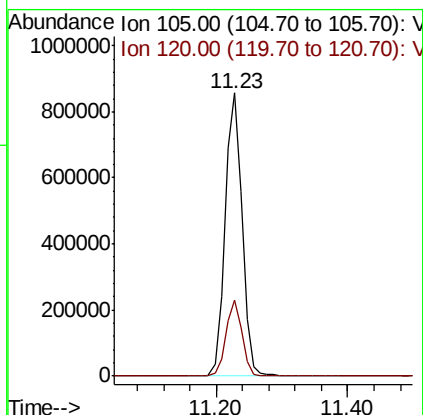
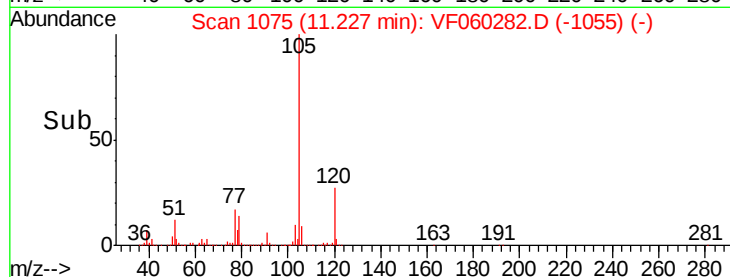
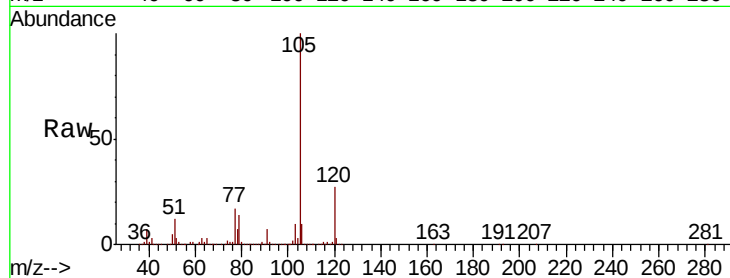
120 26.9 12.2 36.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 92.56 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Tgt Ion: 43 Resp: 388470

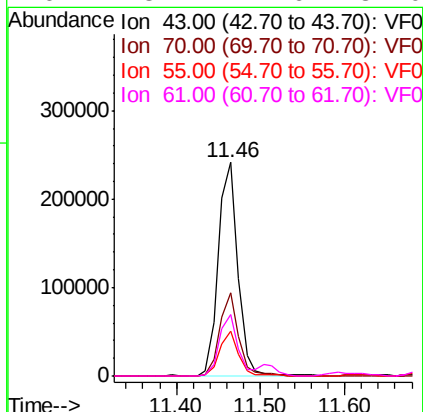
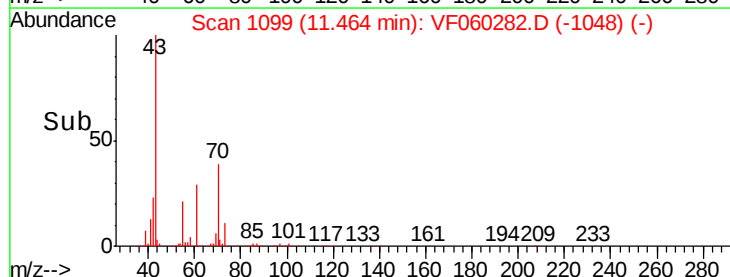
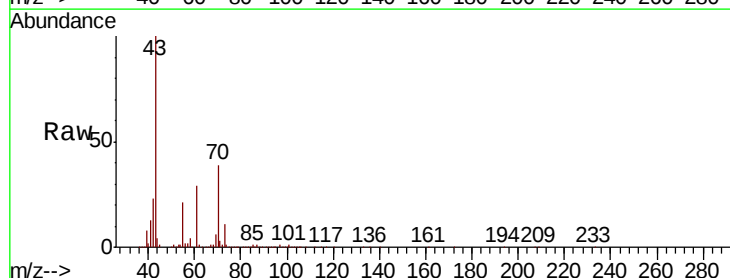
Ion Ratio Lower Upper

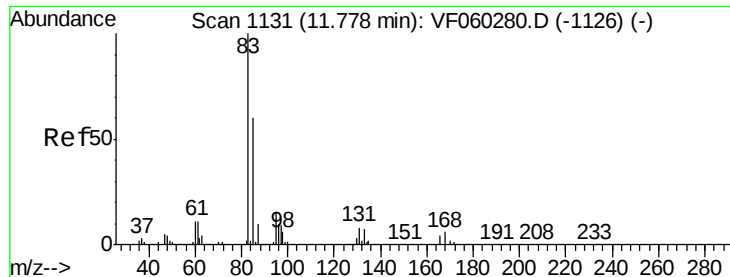
43 100

70 39.2 31.4 47.2

55 20.8 16.8 25.2

61 28.7 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 86.23 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

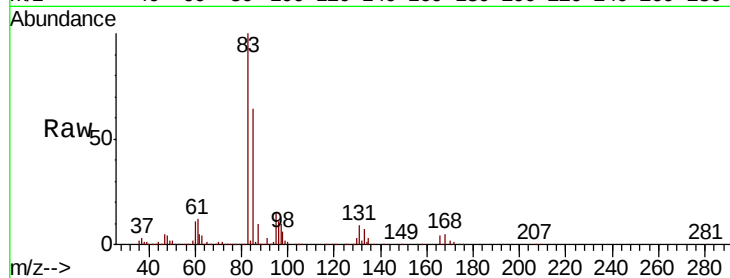
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	300741		

83	100		
131	8.9	4.2	12.4
85	64.3	30.1	90.5

Manual Integrations
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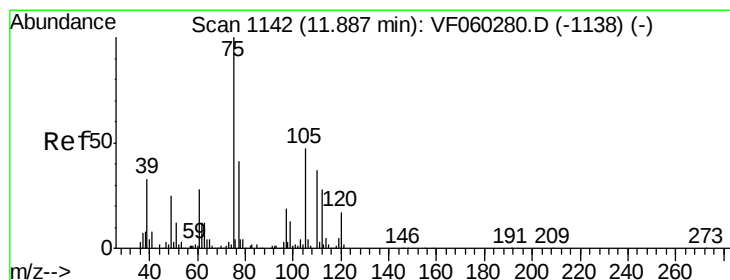
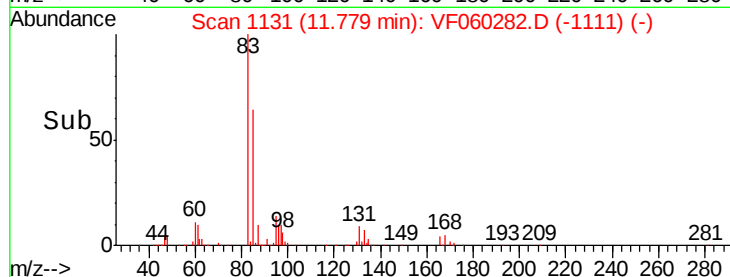
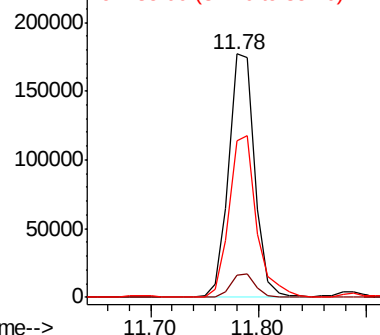
apatel
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Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 84.42 ug/l

RT: 11.89 min Scan# 1142

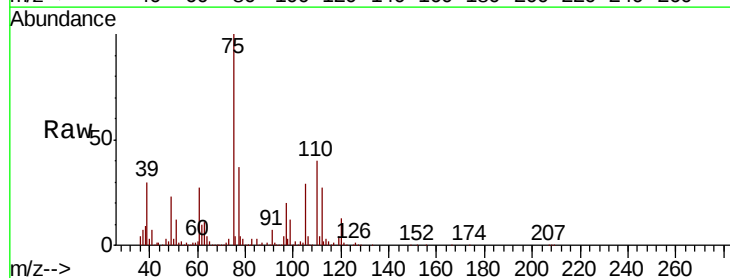
Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

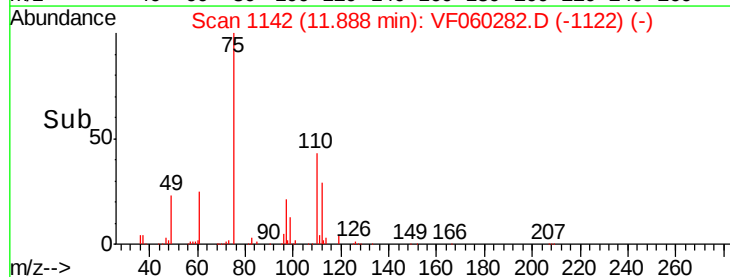
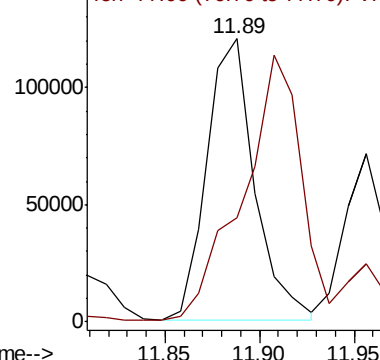
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	210827		

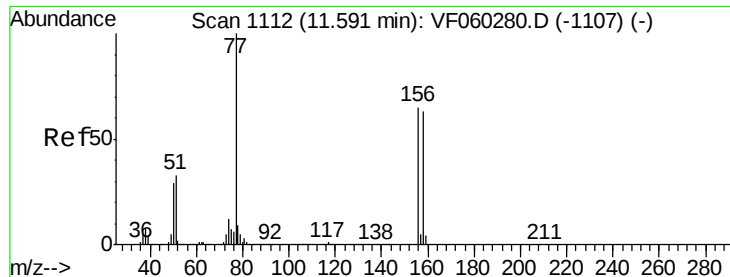
75	100		
77	36.9	20.5	61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 85.72 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 363578

Ion Ratio Lower Upper

156 100

77 156.1 77.3 232.1

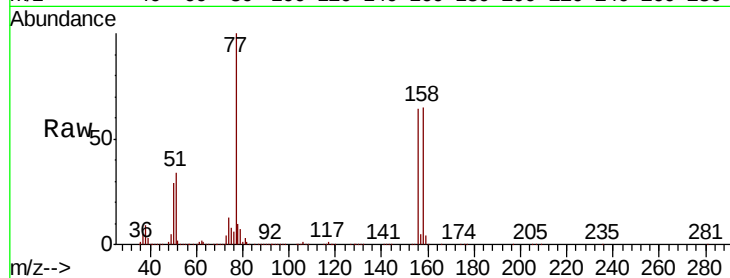
158 101.5 48.4 145.2

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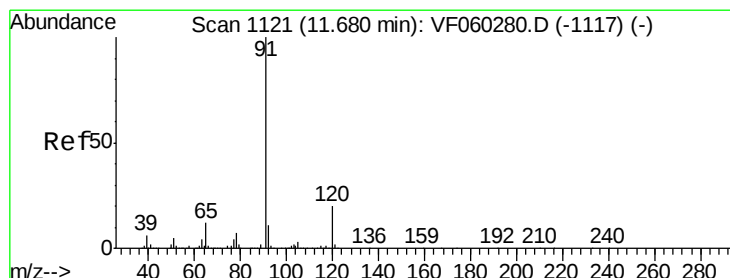
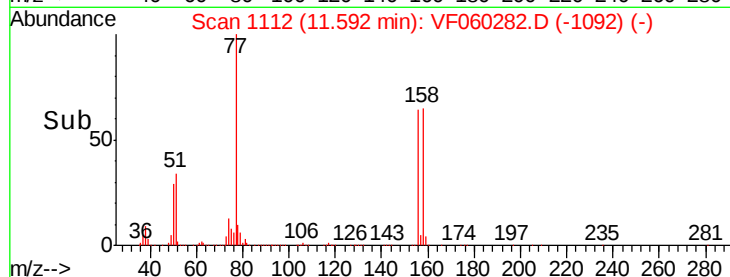
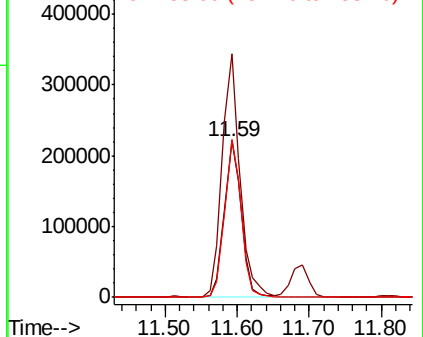
9/20/2018 11:41:27 AM



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: 78.09 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060282.D

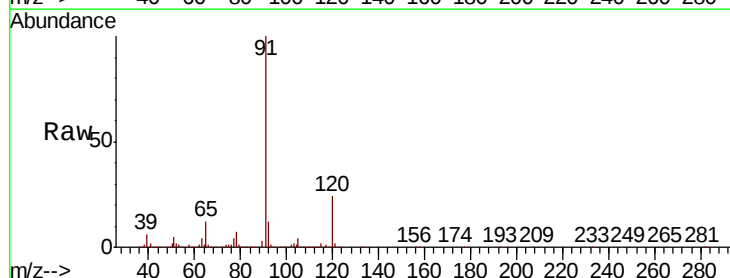
Acq: 19 Sep 2018 15:10

Tgt Ion: 91 Resp: 1814479

Ion Ratio Lower Upper

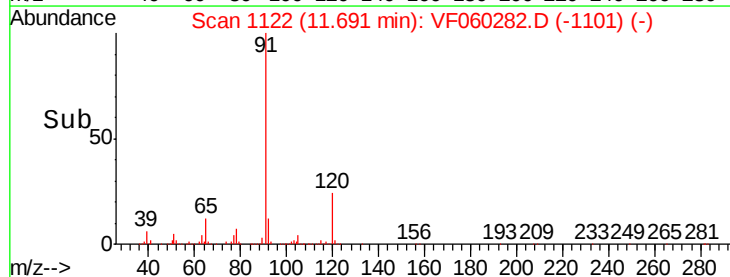
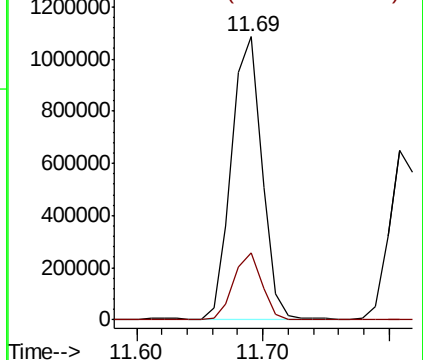
91 100

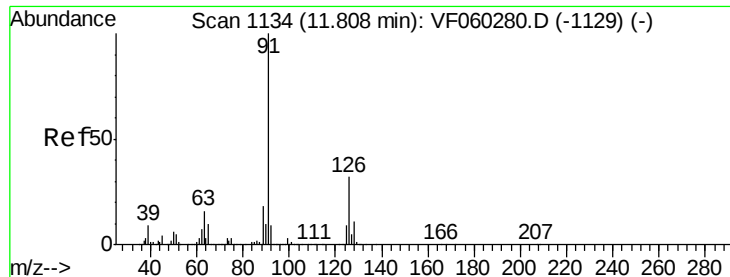
120 23.7 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





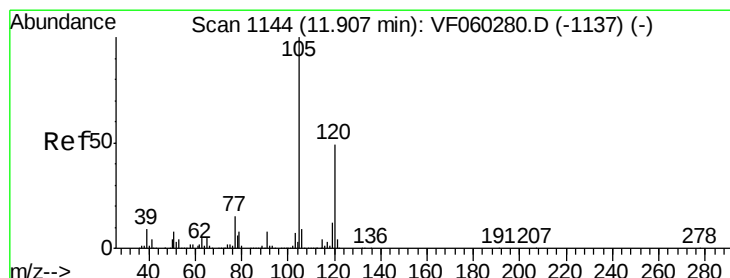
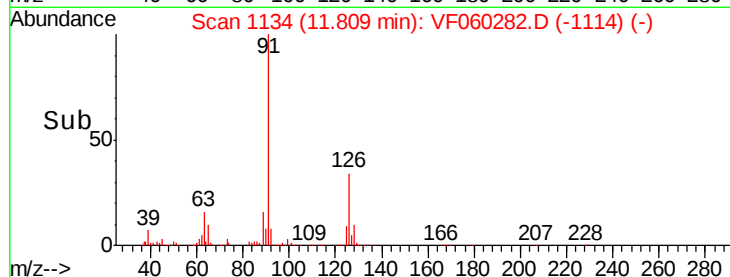
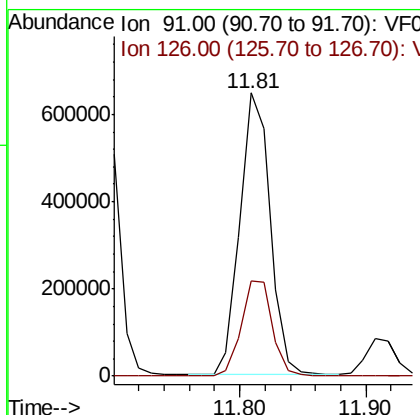
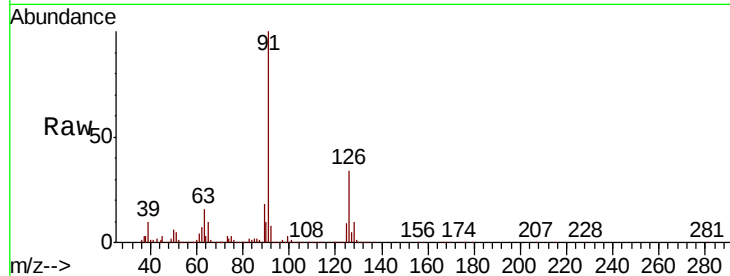
#79
2-Chlorotoluene
Concen: 80.78 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1072403
Ion Ratio Lower Upper
91 100
126 33.9 16.1 48.3

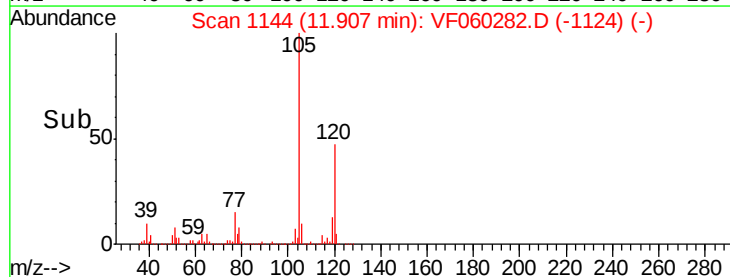
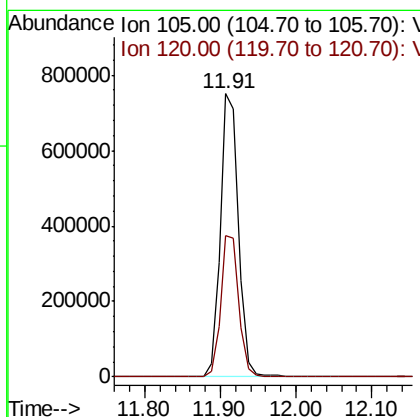
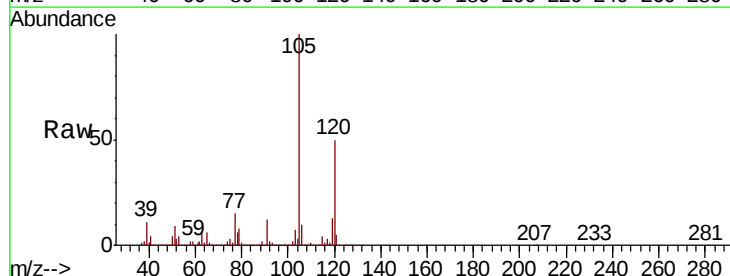
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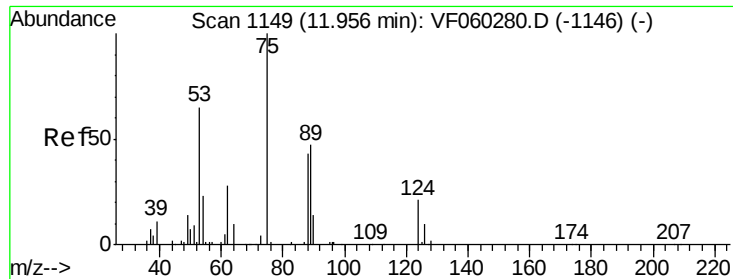
apatel
9/20/2018 11:41:27 AM



#80
1,3,5-Trimethylbenzene
Concen: 79.12 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion: 105 Resp: 1253487
Ion Ratio Lower Upper
105 100
120 49.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 70.03 ug/l m

RT: 11.96 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 112689

Ion Ratio Lower Upper

75 100

53 72.5 56.5 84.7

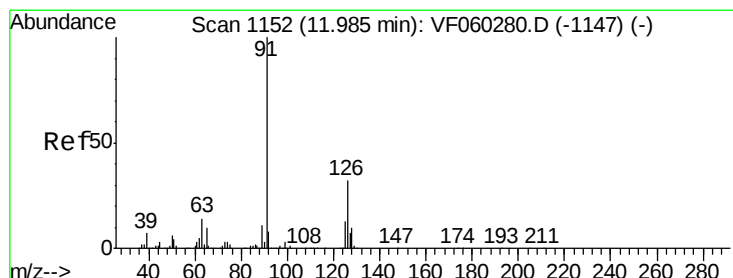
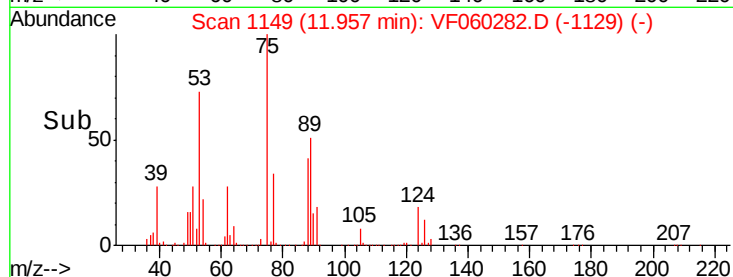
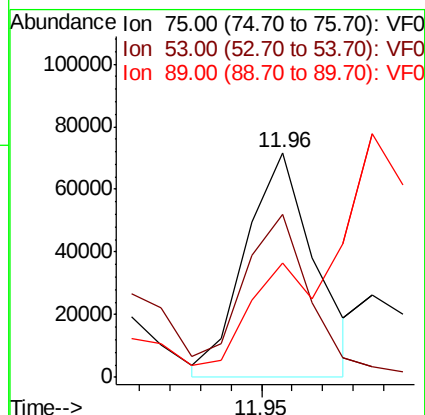
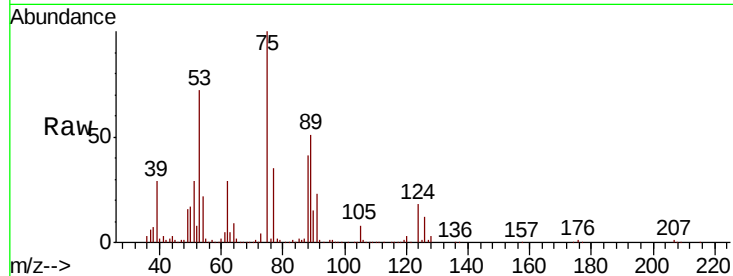
89 51.1 40.6 60.8

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#82

4-Chlorotoluene

Concen: 84.10 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060282.D

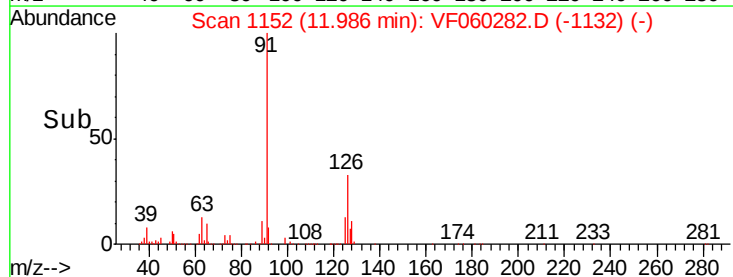
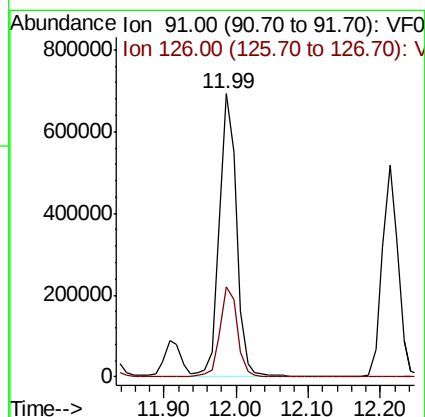
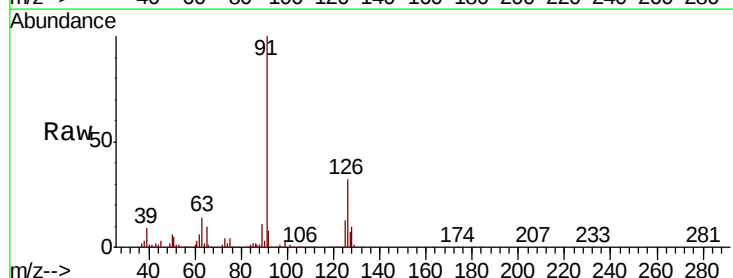
Acq: 19 Sep 2018 15:10

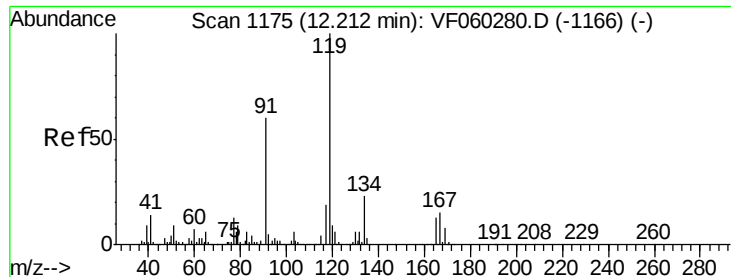
Tgt Ion: 91 Resp: 1122169

Ion Ratio Lower Upper

91 100

126 32.0 16.1 48.2





#83

tert-Butylbenzene

Concen: 79.51 ug/l

RT: 12.21 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1276833

Ion Ratio Lower Upper

119 100

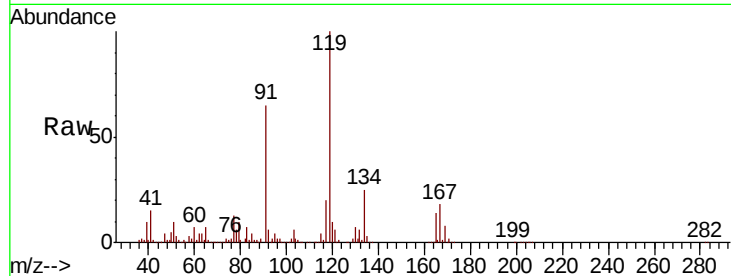
91 65.0 30.3 91.0

134 25.1 11.6 34.8

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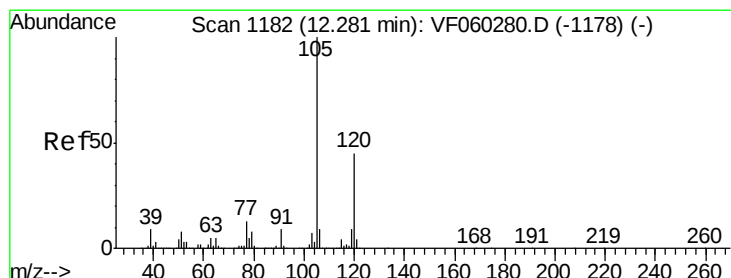
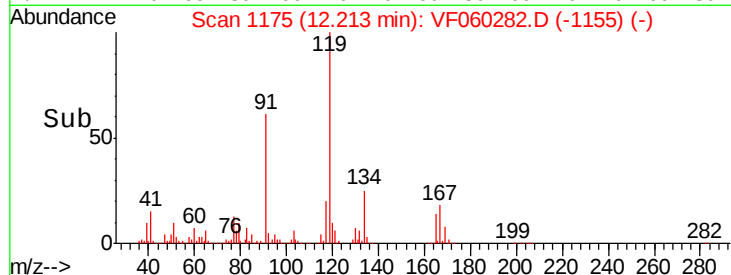
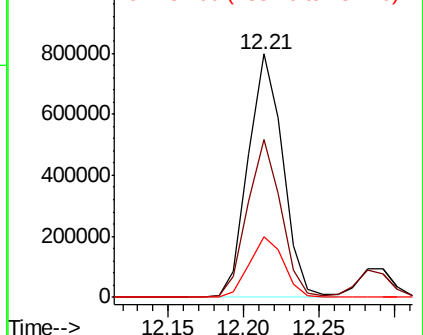
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 79.58 ug/l

RT: 12.28 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VF060282.D

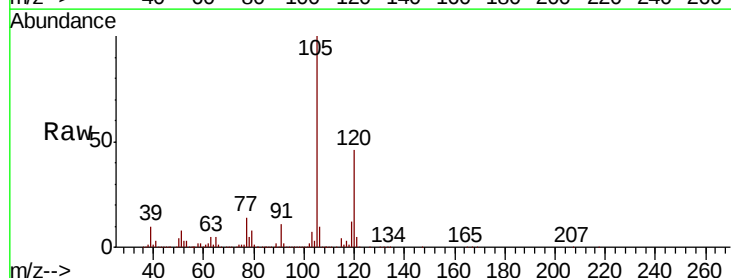
Acq: 19 Sep 2018 15:10

Tgt Ion:105 Resp: 1280161

Ion Ratio Lower Upper

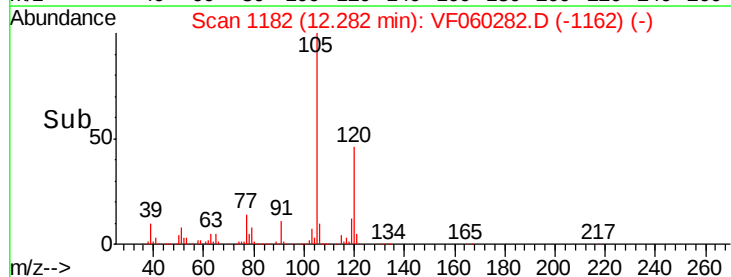
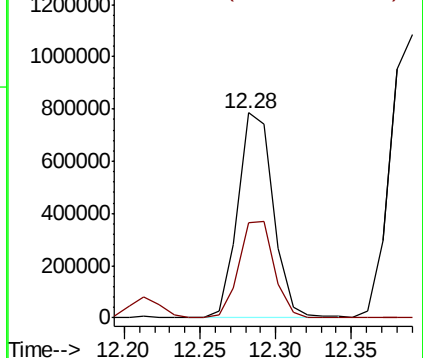
105 100

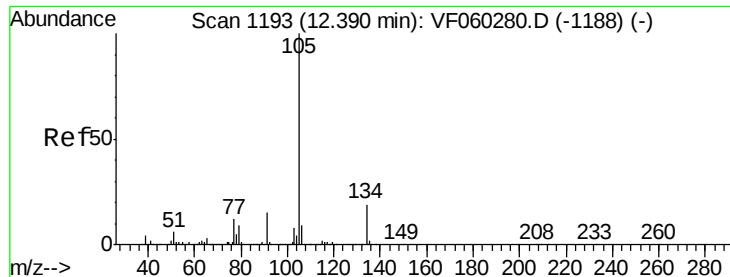
120 46.1 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 77.84 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1730745

Ion Ratio Lower Upper

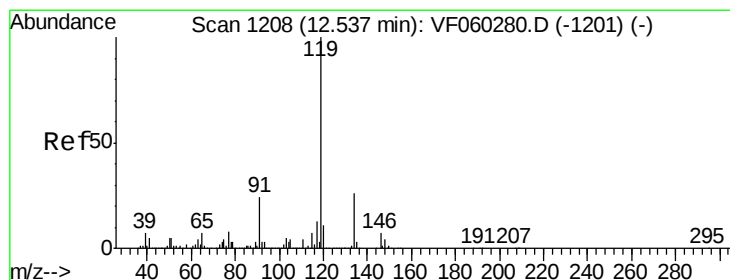
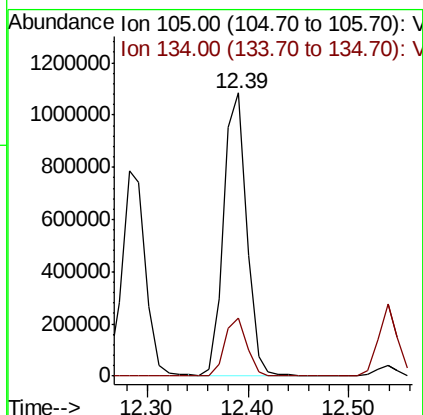
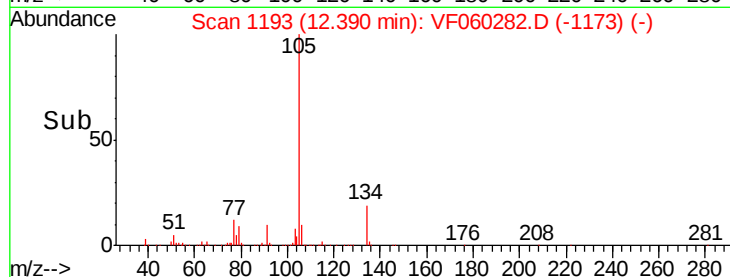
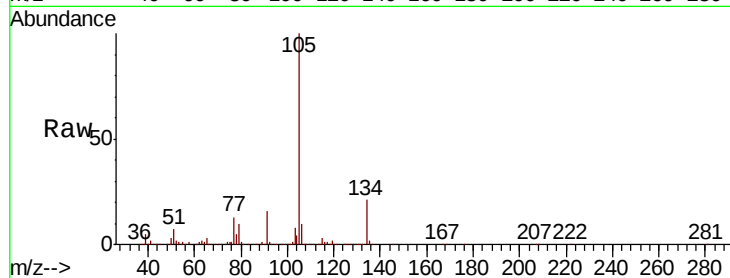
105 100

134 20.7 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 79.00 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060282.D

Acq: 19 Sep 2018 15:10

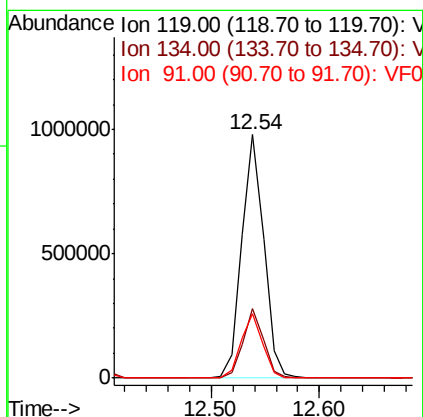
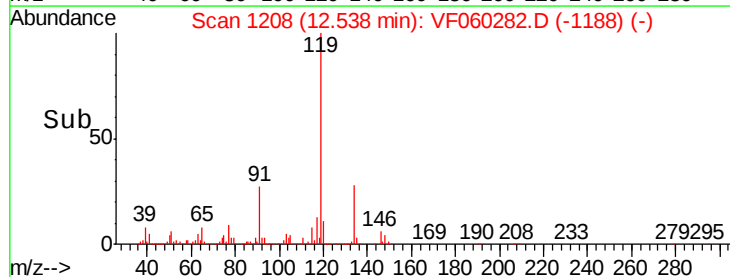
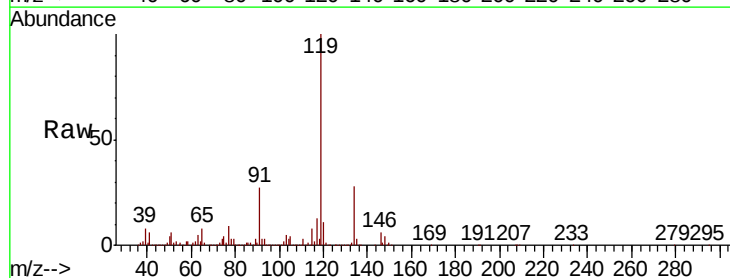
Tgt Ion:119 Resp: 1390040

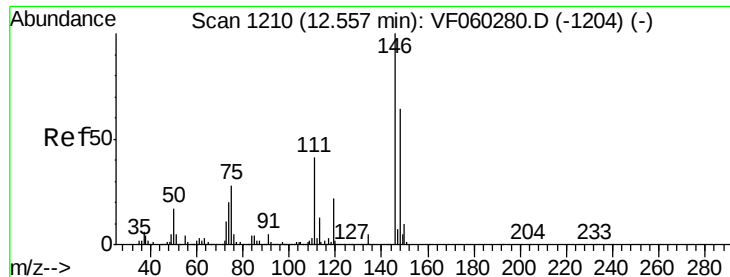
Ion Ratio Lower Upper

119 100

134 28.3 12.9 38.7

91 26.6 11.9 35.7





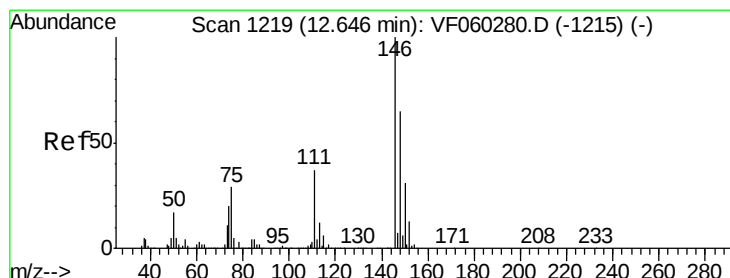
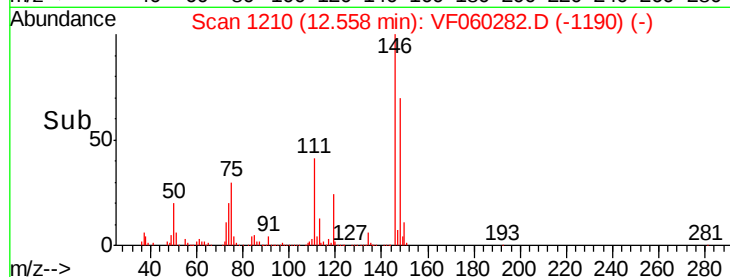
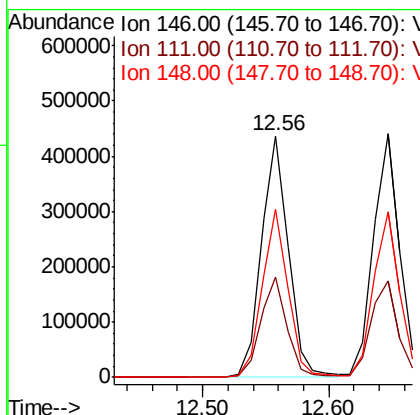
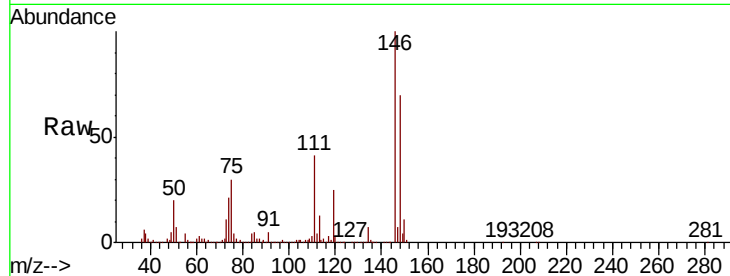
#87
 1,3-Dichlorobenzene
 Concen: 81.84 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.6
148	69.7	32.2	96.6

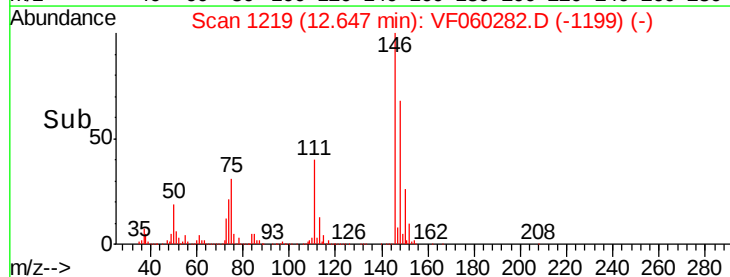
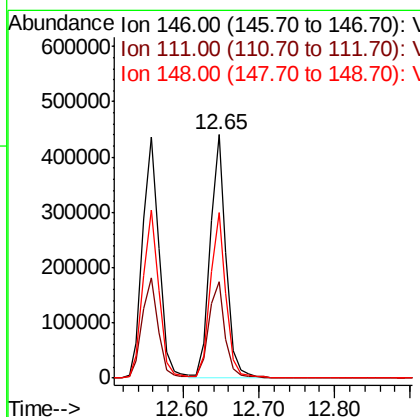
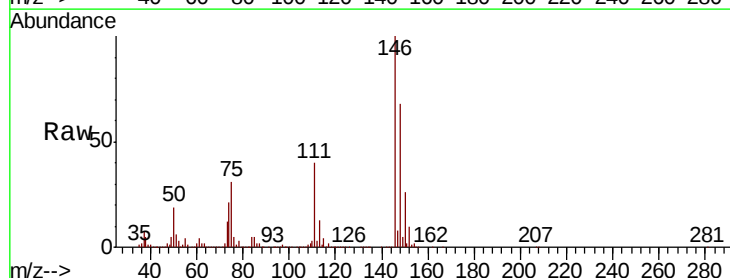
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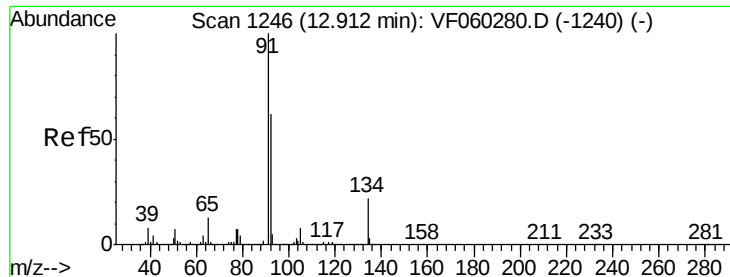
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#88
 1,4-Dichlorobenzene
 Concen: 83.57 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.7	56.1
148	67.9	32.4	97.0





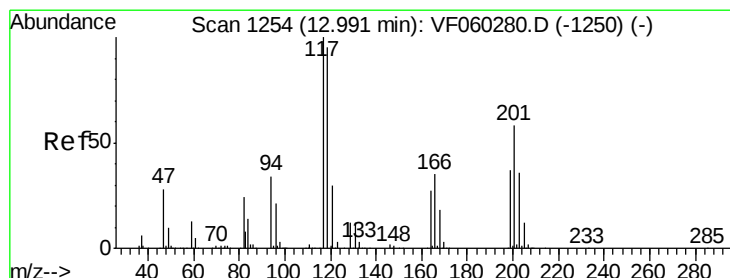
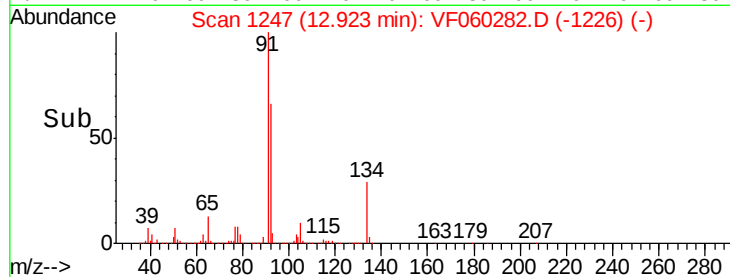
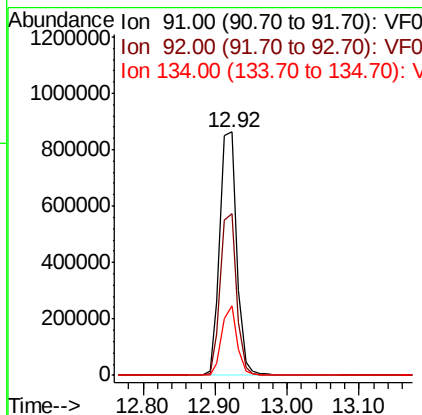
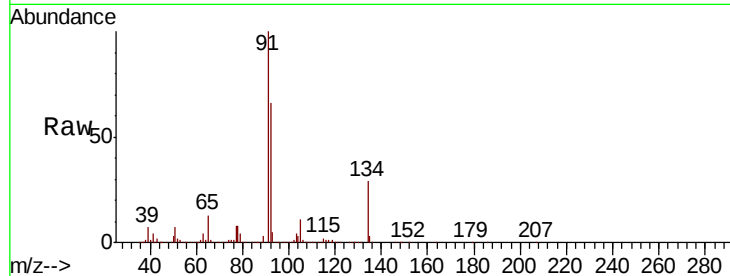
#89
n-Butylbenzene
Concen: 75.15 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	66.2	31.1	93.5
134	28.8	11.0	33.0

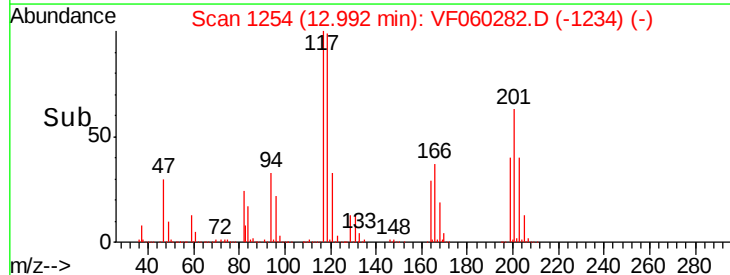
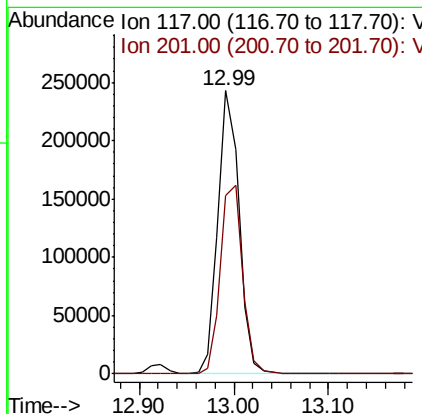
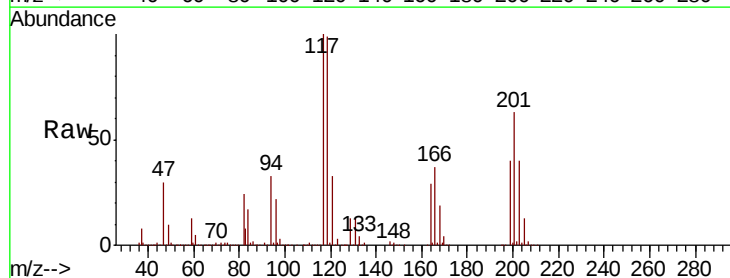
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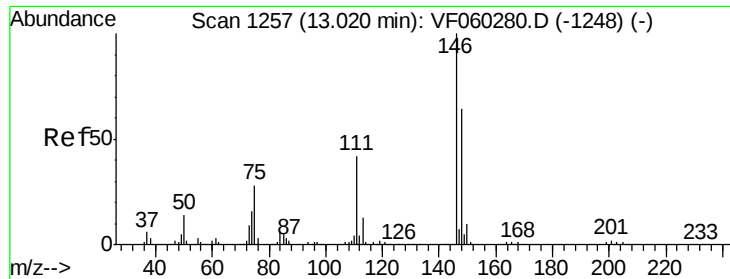
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#90
Hexachloroethane
Concen: 84.45 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.9	29.0	87.0





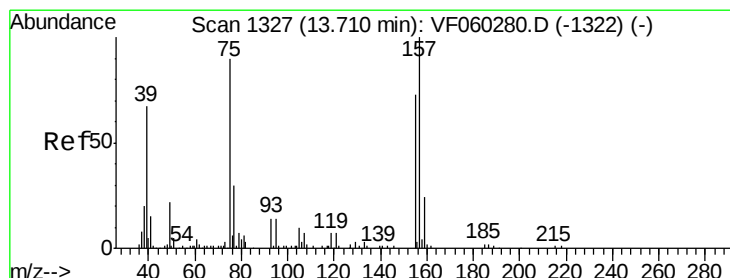
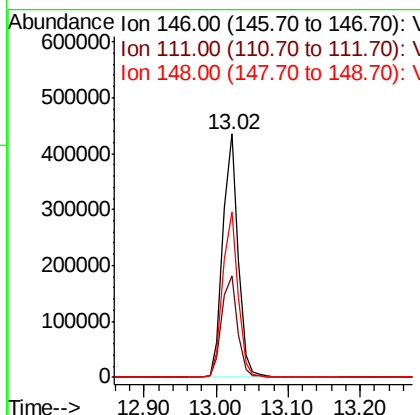
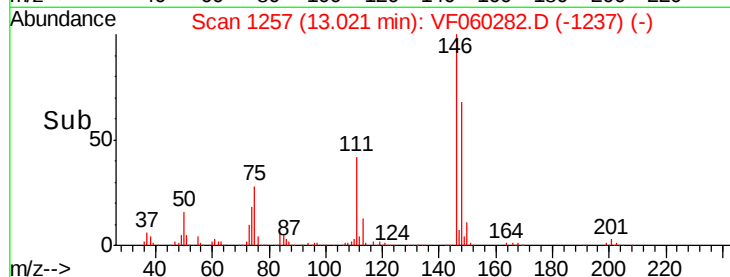
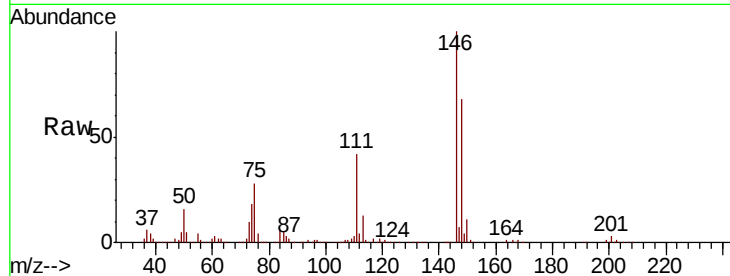
#91
 1,2-Dichlorobenzene
 Concen: 84.15 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.9	62.8
148	68.0	31.9	95.9

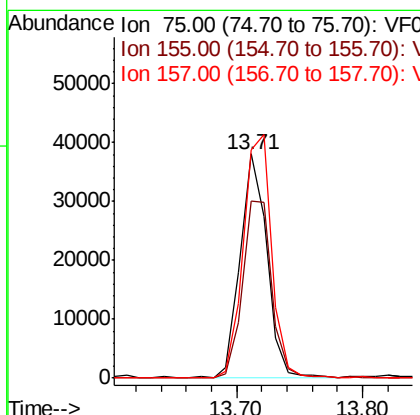
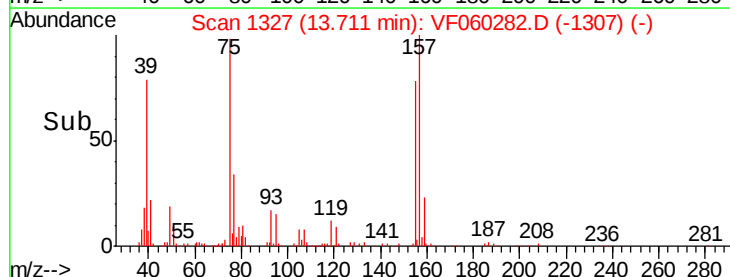
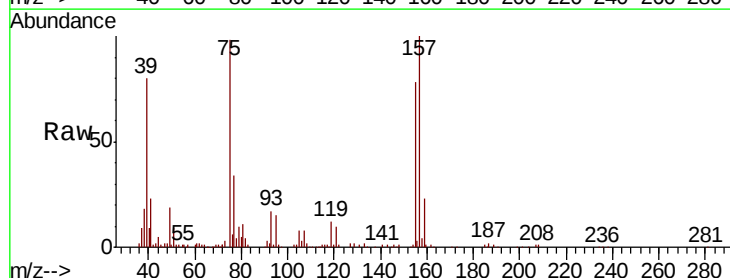
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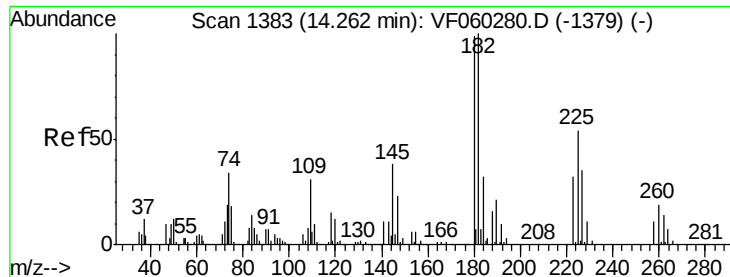
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 85.66 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	41.9	125.7
157	101.7	57.4	172.0





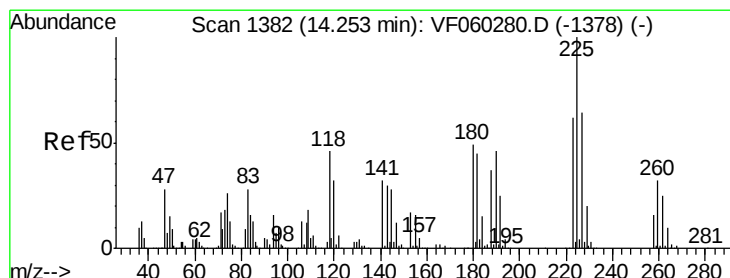
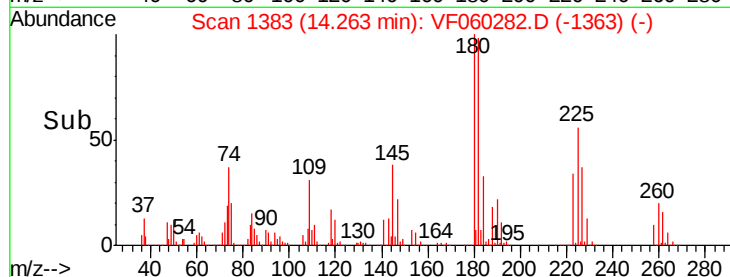
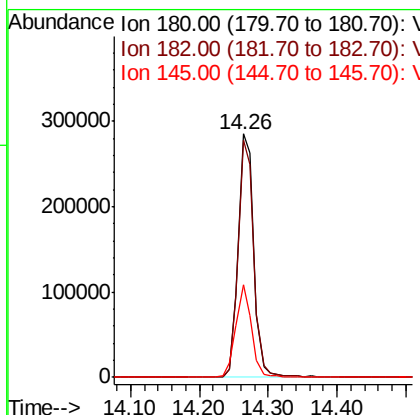
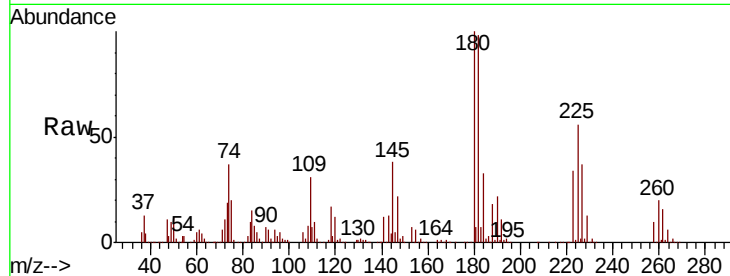
#93
 1,2,4-Trichlorobenzene
 Concen: 81.53 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	448057		
182	97.5	50.3	151.0	
145	38.2	18.9	56.9	

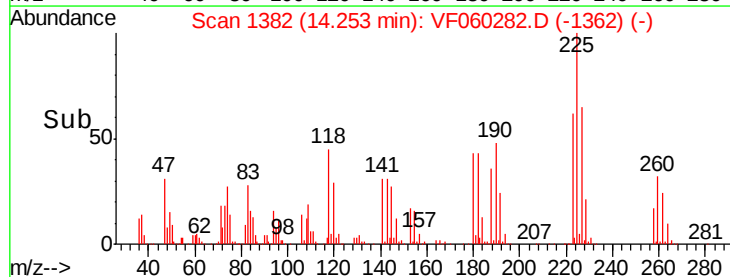
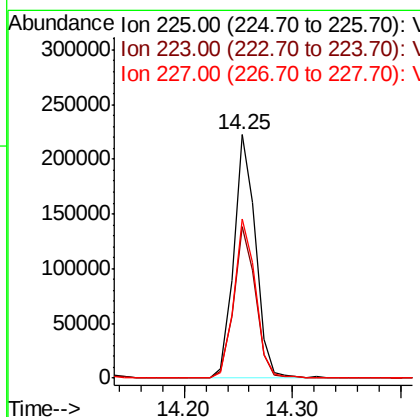
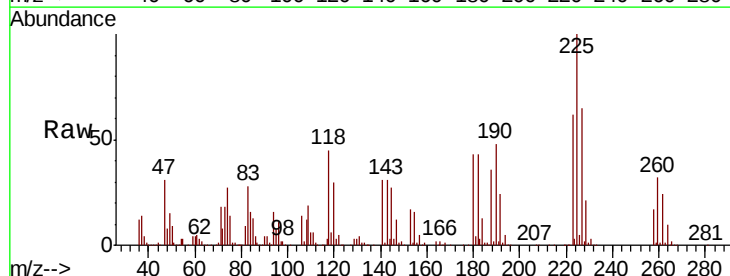
Manual Integrations
 APPROVED

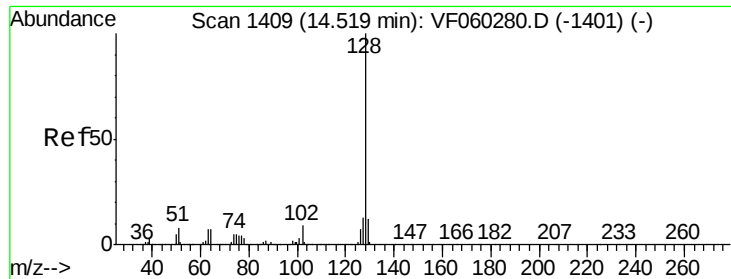
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#94
 Hexachlorobutadiene
 Concen: 84.23 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060282.D
 Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	312895		
223	62.0	31.2	93.6	
227	65.3	32.2	96.6	





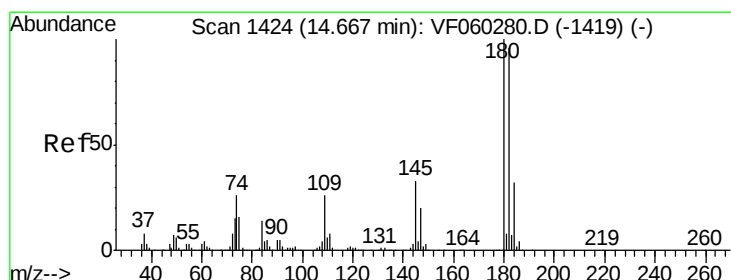
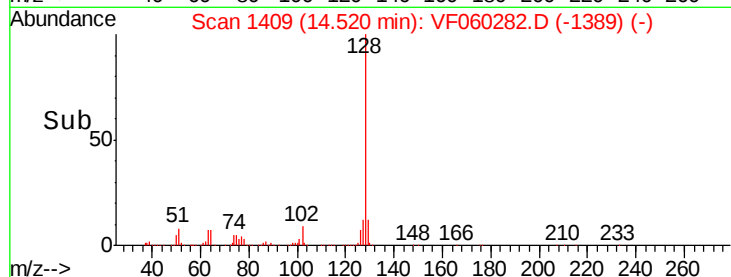
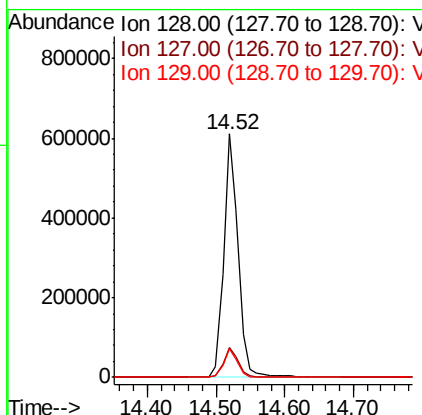
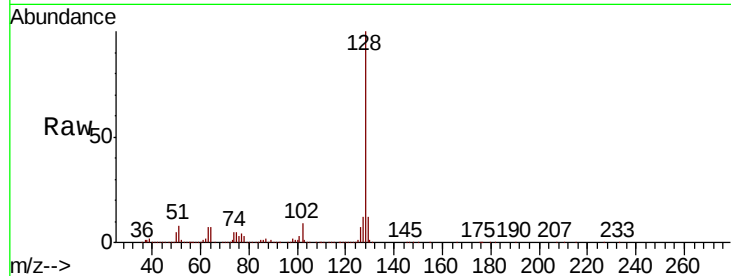
#95
Naphthalene
Concen: 91.26 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	11.6	9.8	14.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 87.34 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060282.D
Acq: 19 Sep 2018 15:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.7	47.8	143.4
145	33.1	16.4	49.1

