

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060281.D
 Acq On : 19 Sep 2018 14:42
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:41:24 AM

Quant Time: Sep 20 02:39:49 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	273624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	448660	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	394556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	208412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	226168	61.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.76%	
35) Dibromofluoromethane	4.29	113	251743	62.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.88%	
50) Toluene-d8	7.71	98	641567	61.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.20%	
62) 4-Bromofluorobenzene	11.50	95	273098	60.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	279880	57.61	ug/l	100
3) Chloromethane	1.12	50	217008	58.87	ug/l	95
4) Vinyl Chloride	1.17	62	234395	61.68	ug/l	98
5) Bromomethane	1.35	94	154275	60.52	ug/l	96
6) Chloroethane	1.43	64	110521	61.07	ug/l	99
7) Trichlorofluoromethane	1.54	101	460373	65.03	ug/l	99
8) Diethyl Ether	1.69	74	71942	61.08	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	1.89	101	233735	62.08	ug/l	98
10) Methyl Iodide	1.97	142	382939	63.08	ug/l	91
11) Tert butyl alcohol	2.67	59	67008	285.30	ug/l	94
12) 1,1-Dichloroethene	1.85	96	199929	64.21	ug/l	99
13) Acrolein	2.08	56	23673	206.20	ug/l	96
14) Allyl chloride	2.18	41	328918	60.53	ug/l	98
15) Acrylonitrile	3.06	53	167455	321.80	ug/l	98
16) Acetone	2.33	43	332595	320.54	ug/l	98
17) Carbon Disulfide	1.88	76	551372	58.67	ug/l	99
18) Methyl Acetate	2.44	43	101319	58.61	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	481170	61.99	ug/l	97
20) Methylene Chloride	2.27	84	191814m	52.00	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	197325	61.36	ug/l	98
22) Diisopropyl ether	2.92	45	667352	65.09	ug/l	99
23) Vinyl Acetate	3.32	43	1273225	316.21	ug/l	98
24) 1,1-Dichloroethane	3.00	63	423775	63.74	ug/l	98
25) 2-Butanone	4.49	43	439965	315.02	ug/l	96
26) 2,2-Dichloropropane	3.75	77	237528	62.61	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	259494	61.42	ug/l	92
28) Bromochloromethane	3.88	49	158638	61.28	ug/l	97
29) Tetrahydrofuran	4.24	42	156554	306.10	ug/l	99
30) Chloroform	4.03	83	514783	64.17	ug/l	95
31) Cyclohexane	3.85	56	345701	61.56	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	402592	63.60	ug/l	97
36) 1,1-Dichloropropene	4.45	75	357461	63.87	ug/l	96
37) Ethyl Acetate	4.28	43	148239	62.60	ug/l	90
38) Carbon Tetrachloride	4.16	117	366742m	57.43	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	390208	64.33	ug/l	97
40) Benzene	4.80	78	820033	64.62	ug/l	99
41) Methacrylonitrile	4.91	41	78938	61.43	ug/l #	94
42) 1,2-Dichloroethane	5.10	62	311328	66.65	ug/l	100
43) Isopropyl Acetate	7.11	43	186111	65.29	ug/l #	98
44) Trichloroethene	5.67	130	251020	66.47	ug/l	96
45) 1,2-Dichloropropane	6.40	63	217401	66.20	ug/l	96
46) Dibromomethane	6.25	93	156083	66.49	ug/l	96
47) Bromodichloromethane	6.54	83	376220	66.69	ug/l	98
48) Methyl methacrylate	6.87	41	125374	62.65	ug/l	95
49) 1,4-Dioxane	6.86	88	20582	1151.24	ug/l	98
51) 4-Methyl-2-Pentanone	8.40	43	784394	357.00	ug/l	99
52) Toluene	7.78	92	531050	66.15	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	287734	63.23	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	378847	66.09	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	163624	67.15	ug/l	95
56) Ethyl methacrylate	8.75	69	193442	65.74	ug/l	96
57) 1,3-Dichloropropane	9.00	76	271037	67.18	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	82767	318.16	ug/l	100
59) 2-Hexanone	9.62	43	555829	355.30	ug/l	100
60) Dibromochloromethane	8.86	129	247856	68.25	ug/l	97
61) 1,2-Dibromoethane	9.13	107	179198	66.05	ug/l	91
64) Tetrachloroethene	8.30	164	231451	64.71	ug/l	96
65) Chlorobenzene	9.93	112	585052	65.42	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	252173	67.95	ug/l	95
67) Ethyl Benzene	10.03	91	1056141	63.88	ug/l	99
68) m/p-Xylenes	10.27	106	746195	130.63	ug/l	88
69) o-Xylene	10.82	106	423244	66.06	ug/l	93
70) Styrene	10.90	104	587895	65.06	ug/l	98
71) Bromoform	10.88	173	135641	66.55	ug/l	93
73) Isopropylbenzene	11.23	105	1184698	63.32	ug/l	98
74) N-amyl acetate	11.46	43	262347	65.76	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	213261	64.32	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	145398	61.24	ug/l	95
77) Bromobenzene	11.59	156	254833	63.20	ug/l	99
78) n-propylbenzene	11.69	91	1361208	61.62	ug/l	94
79) 2-Chlorotoluene	11.81	91	806939	63.94	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	956920	63.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	81234m	53.10	ug/l	
82) 4-Chlorotoluene	11.99	91	826090	65.12	ug/l	99
83) tert-Butylbenzene	12.21	119	962704	63.06	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	985880	64.47	ug/l	98
85) sec-Butylbenzene	12.39	105	1329656	62.90	ug/l	99
86) p-Isopropyltoluene	12.54	119	1098292	65.66	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	483789	64.21	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	472069	63.39	ug/l	95
89) n-Butylbenzene	12.92	91	1110064	62.74	ug/l	95
90) Hexachloroethane	12.99	117	284588	66.61	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	461686	64.23	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	39388	63.27	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	339103	64.91	ug/l	96
94) Hexachlorobutadiene	14.25	225	232659	65.88	ug/l	100
95) Naphthalene	14.52	128	632572	69.06	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	325723	67.47	ug/l	98

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

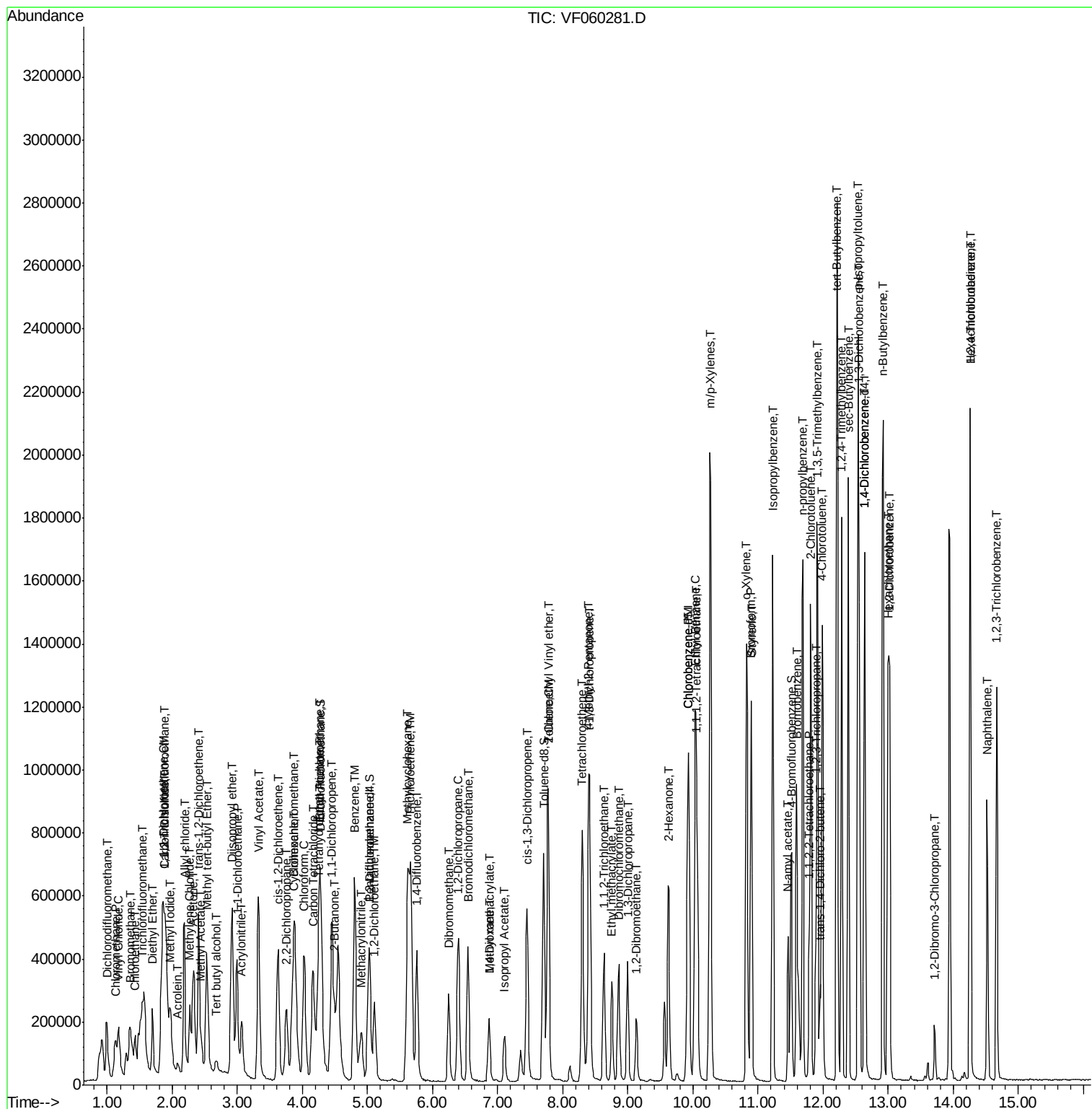
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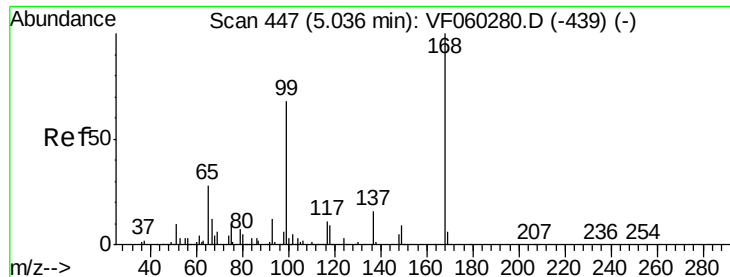
Instrument :
MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 273624

Ion Ratio Lower Upper

168 100

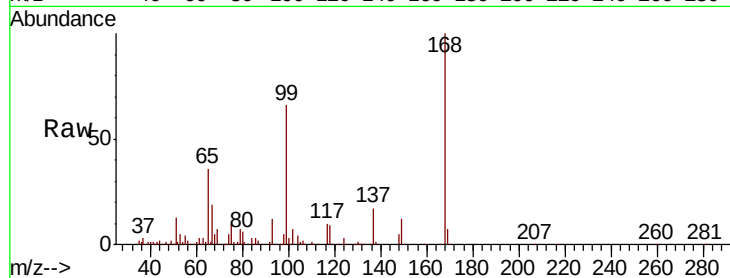
99 66.0 54.8 82.2

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

100000

80000

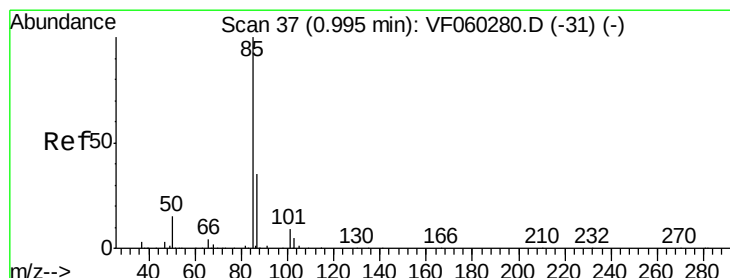
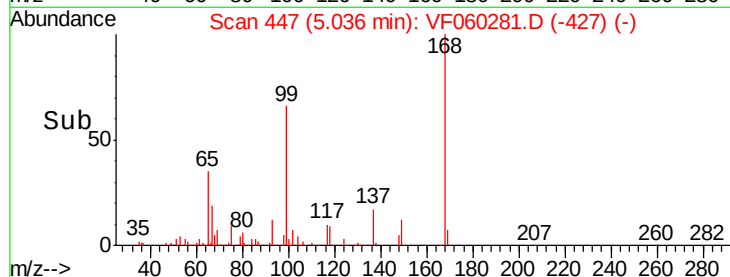
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 57.61 ug/l

RT: 0.98 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060281.D

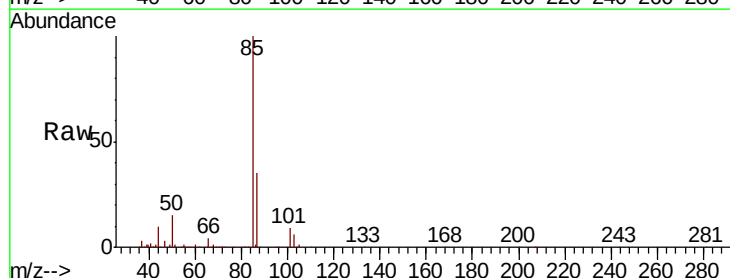
Acq: 19 Sep 2018 14:42

Tgt Ion: 85 Resp: 279880

Ion Ratio Lower Upper

85 100

87 34.8 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

100000

80000

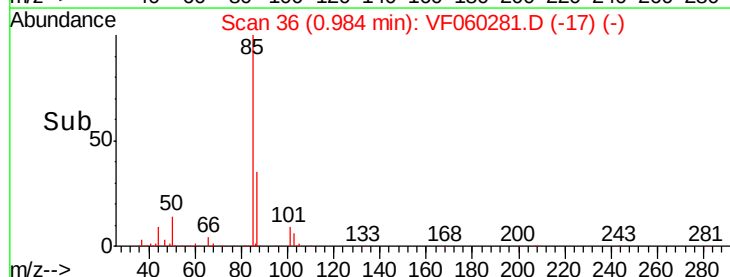
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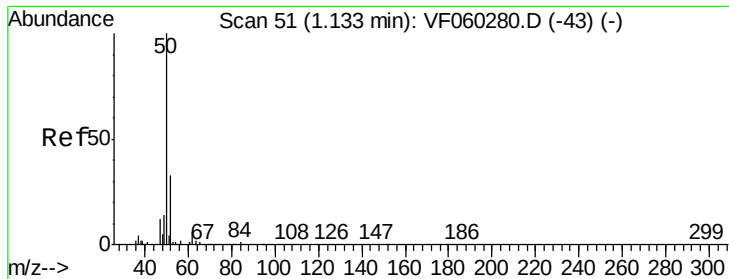
40000

20000

0

Time-->





#3

Chloromethane

Concen: 58.87 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 217008

Ion Ratio Lower Upper

50 100

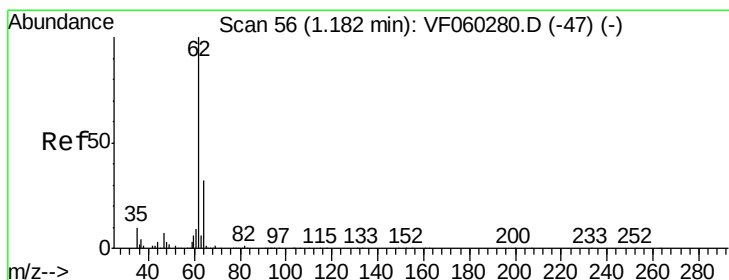
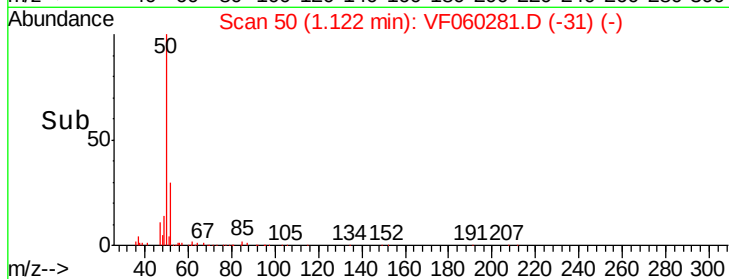
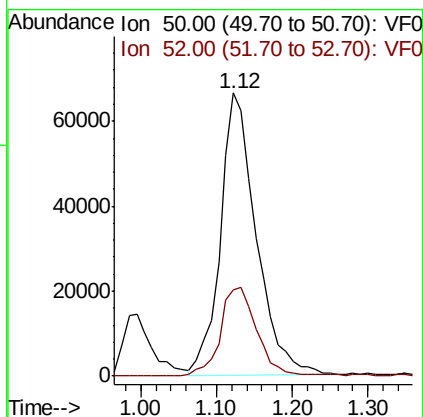
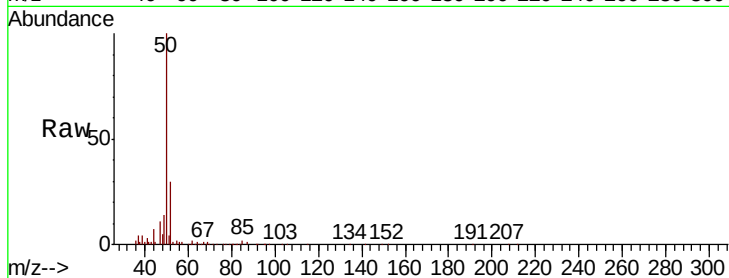
52 30.3 26.5 39.7

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#4

Vinyl Chloride

Concen: 61.68 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060281.D

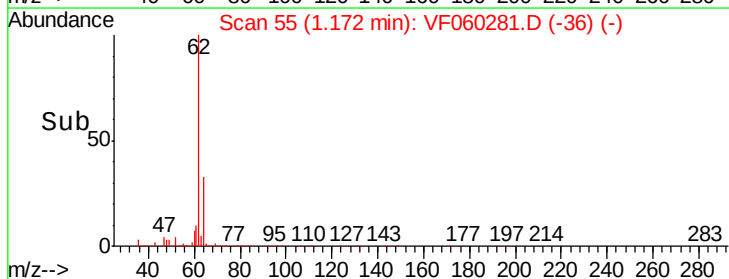
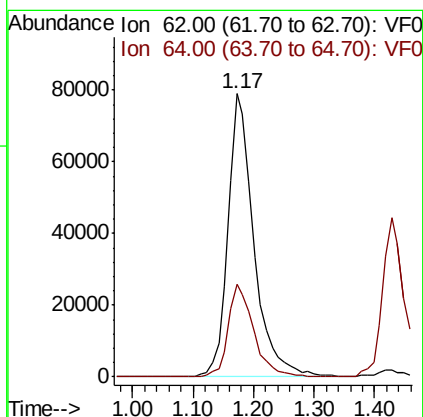
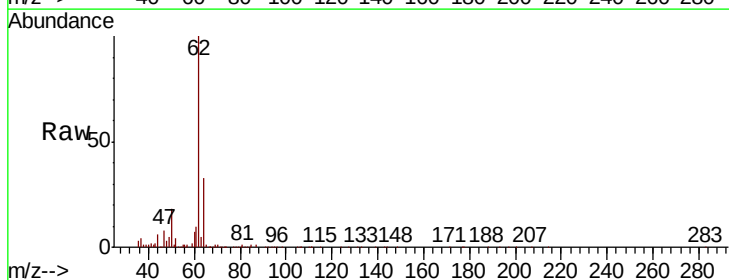
Acq: 19 Sep 2018 14:42

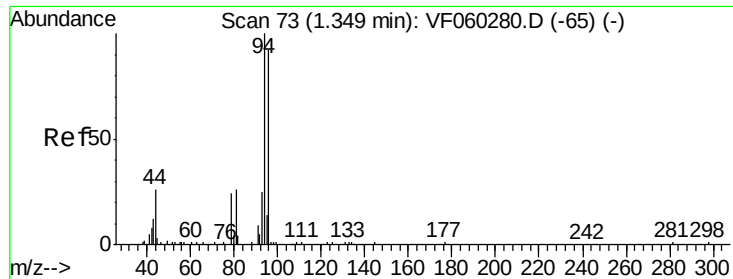
Tgt Ion: 62 Resp: 234395

Ion Ratio Lower Upper

62 100

64 32.6 25.2 37.8





#5

Bromomethane

Concen: 60.52 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

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Tot Ion: 94 Resp: 154275

Ion Ratio Lower Upper

94 100

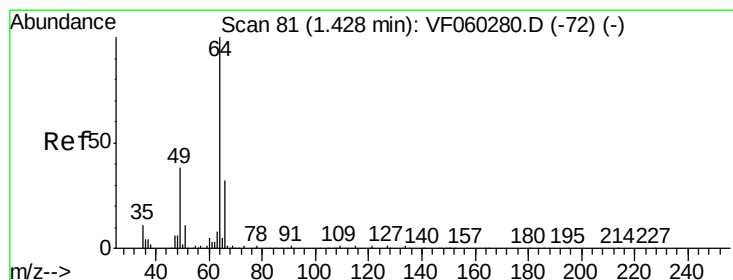
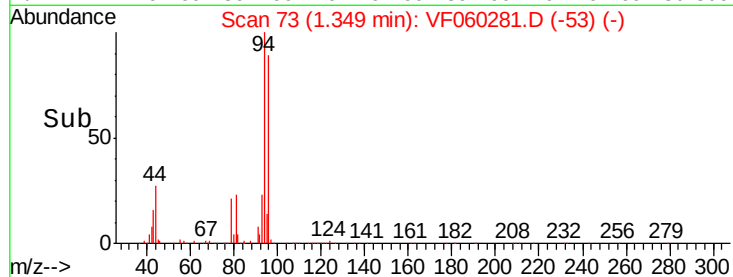
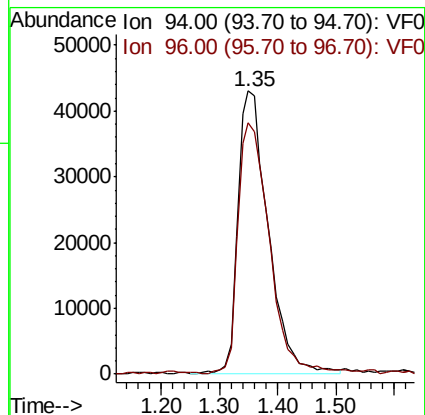
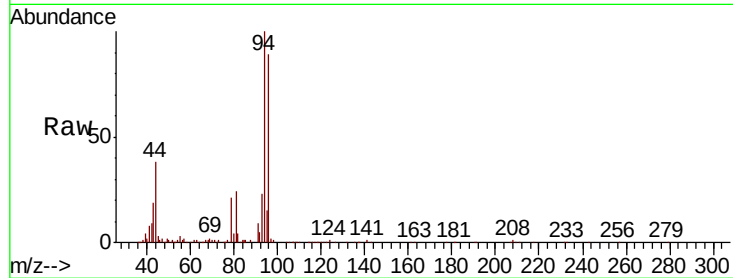
96 88.9 73.9 110.9

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#6

Chloroethane

Concen: 61.07 ug/l

RT: 1.43 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF060281.D

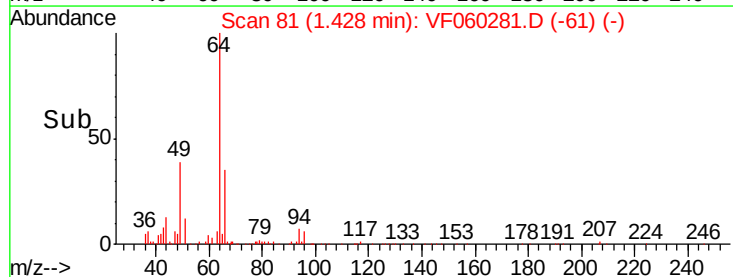
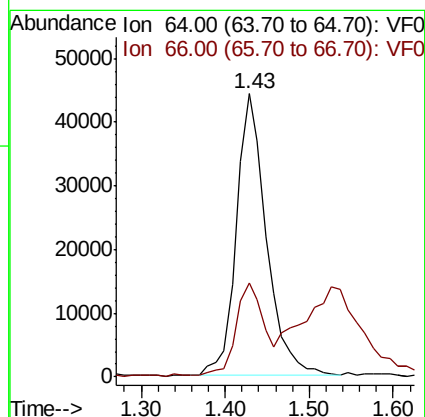
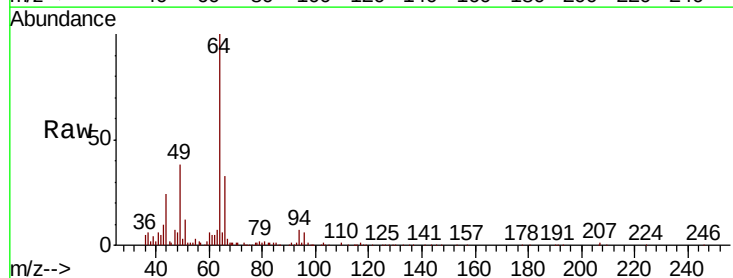
Acq: 19 Sep 2018 14:42

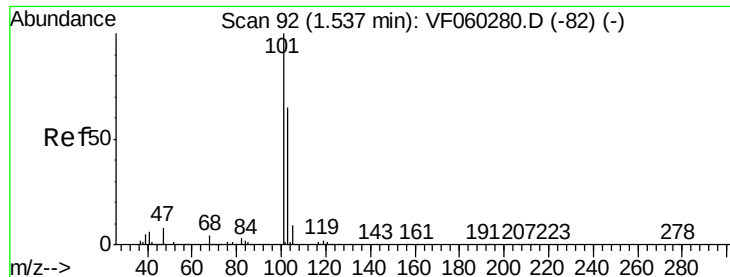
Tgt Ion: 64 Resp: 110521

Ion Ratio Lower Upper

64 100

66 33.4 26.2 39.2





#7

Trichlorofluoromethane

Concen: 65.03 ug/l

RT: 1.54 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

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ClientSampleId :

VSTDIC075

Tot Ion:101 Resp: 460373

Ion Ratio Lower Upper

101 100

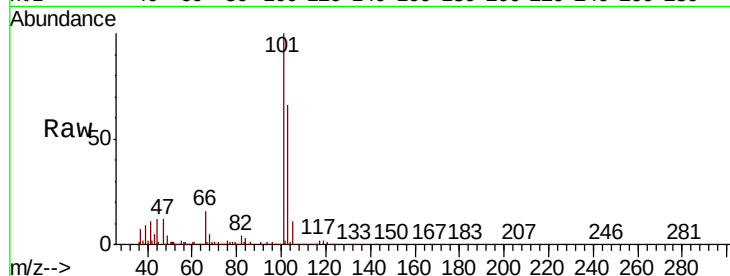
103 65.6 52.0 78.0

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

100000

80000

60000

40000

20000

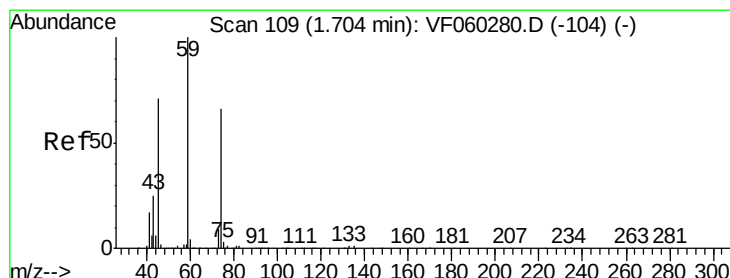
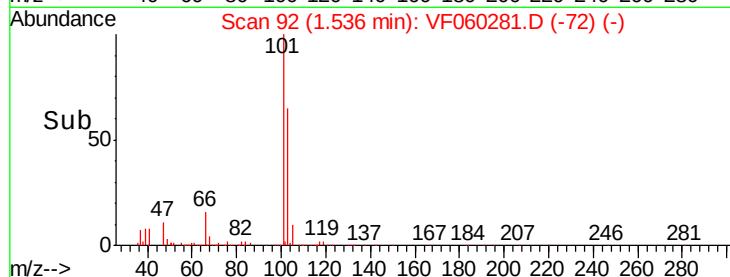
0

Time-->

1.40

1.54

1.60



#8

Diethyl Ether

Concen: 61.08 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060281.D

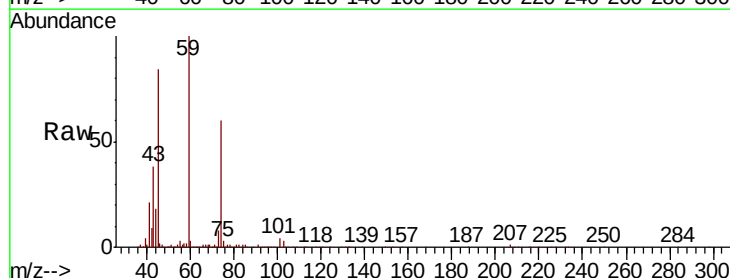
Acq: 19 Sep 2018 14:42

Tgt Ion: 74 Resp: 71942

Ion Ratio Lower Upper

74 100

45 138.6 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

60000

50000

40000

30000

20000

10000

0

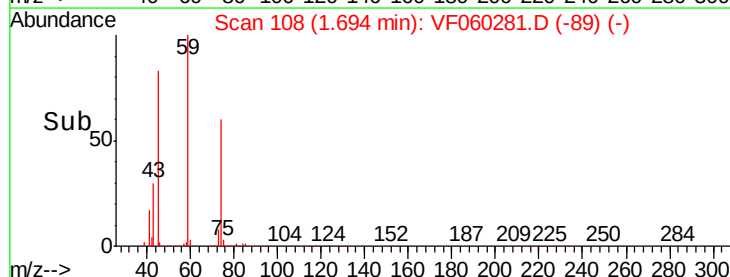
Time-->

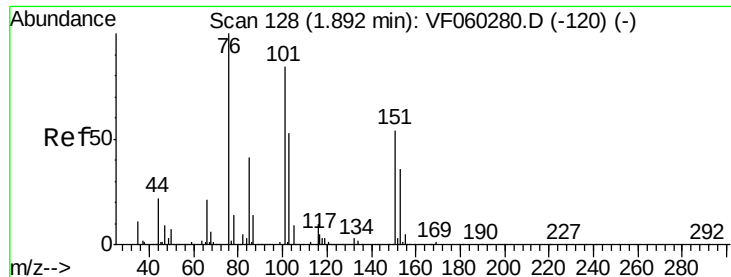
1.60

1.69

1.80

1.90





#9

1,1,2-Trichlorotrifluoroethane

Concen: 62.08 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

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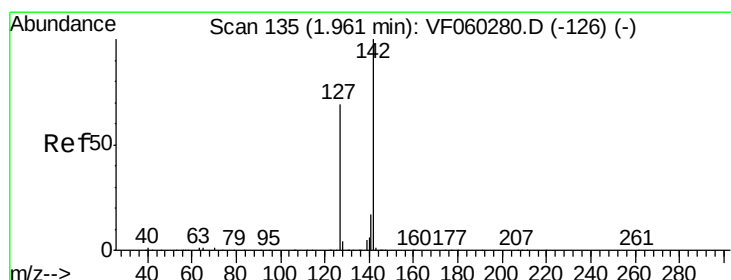
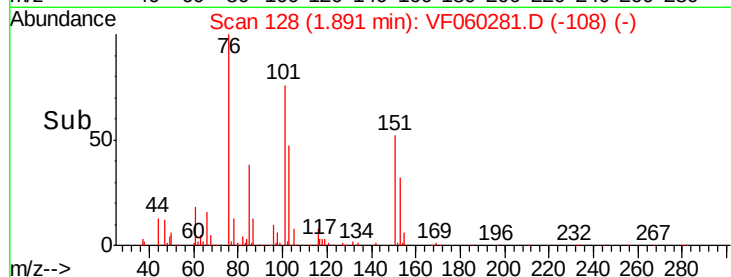
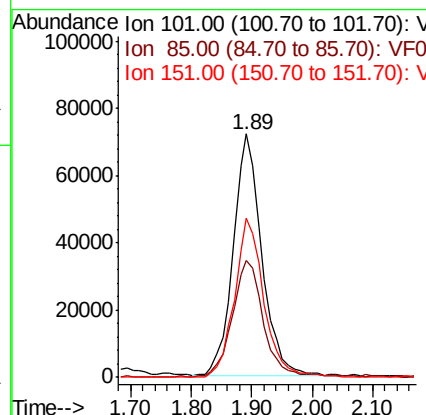
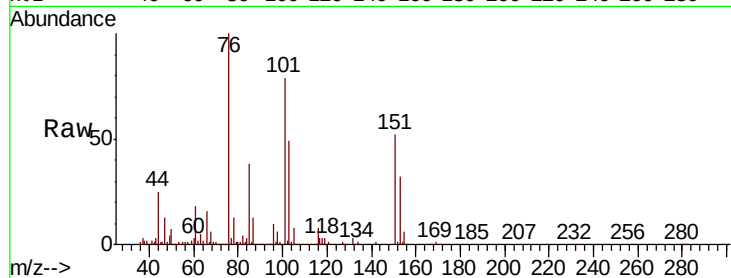
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	233735
Ion Ratio	Lower	Upper	
101	100		
85	47.9	38.7	58.1
151	65.4	50.8	76.2

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#10

Methyl Iodide

Concen: 63.08 ug/l

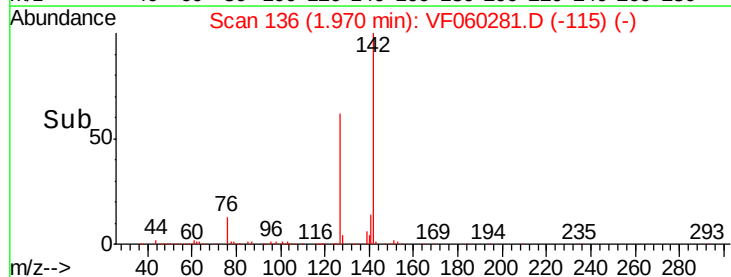
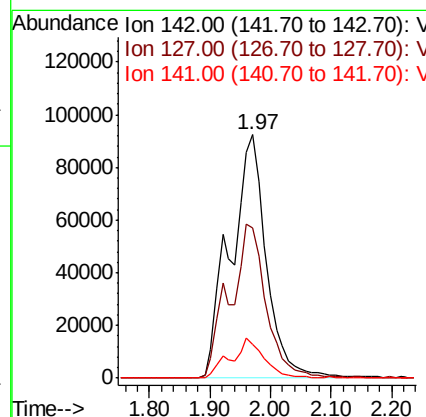
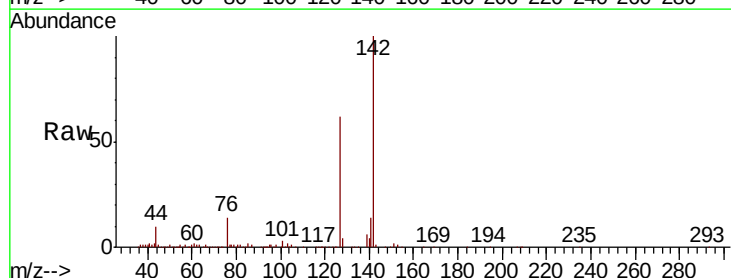
RT: 1.97 min Scan# 136

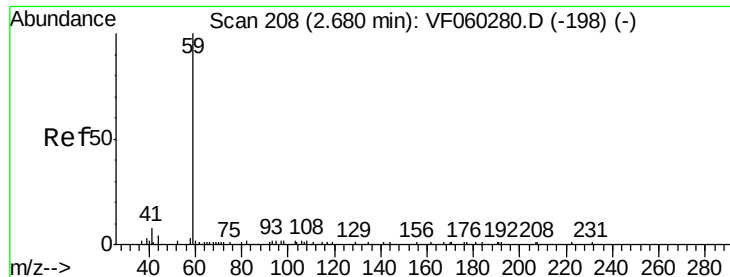
Delta R.T. 0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion:	142	Resp:	382939
Ion Ratio	Lower	Upper	
142	100		
127	61.8	55.4	83.0
141	13.9	13.3	19.9





#11

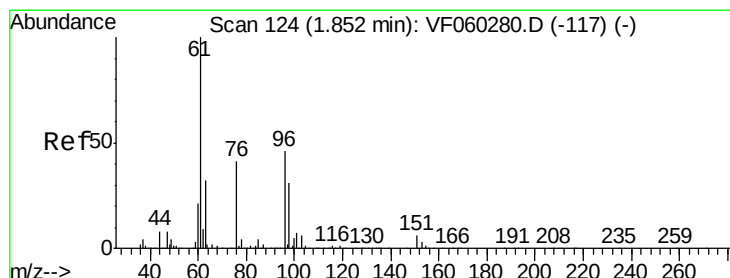
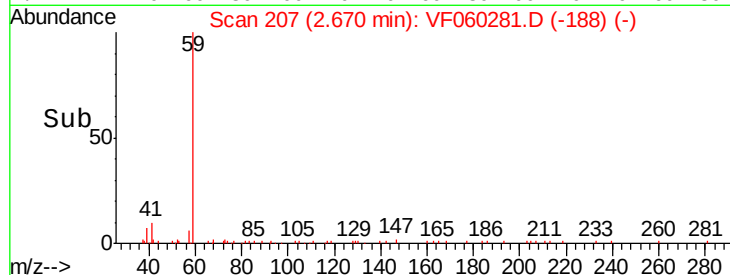
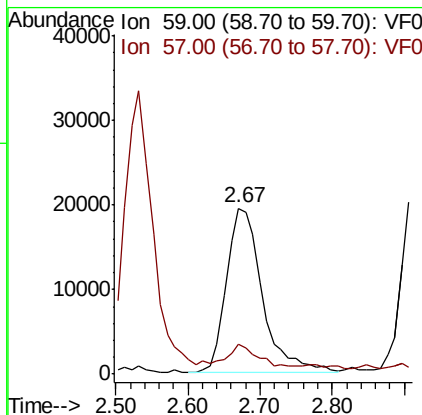
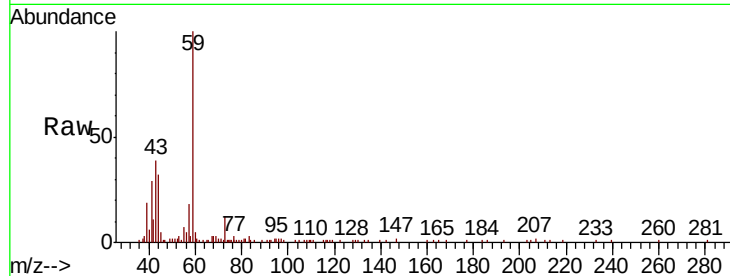
Tert butyl alcohol
Concen: 285.30 ug/l
RT: 2.67 min Scan# 207
Delta R.T. -0.01 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	59	Resp	67008
Ion Ratio	100	Lower	Upper
59	100		
57	18.0	12.4	18.6

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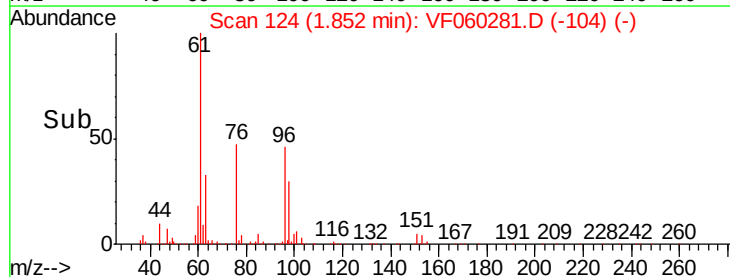
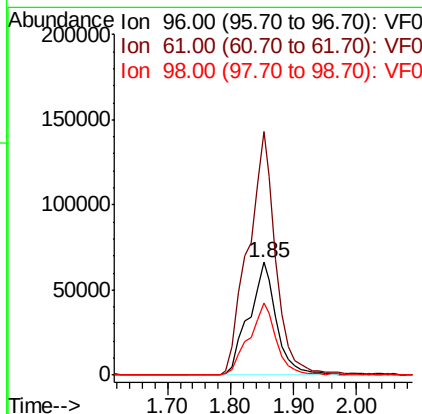
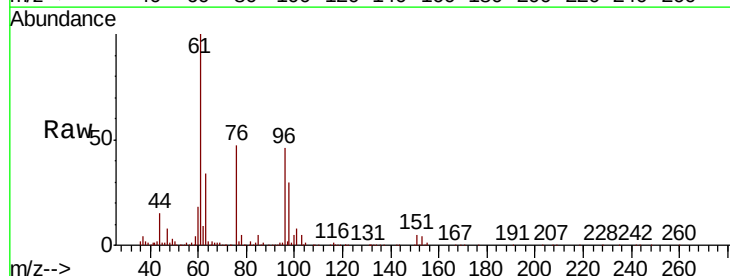
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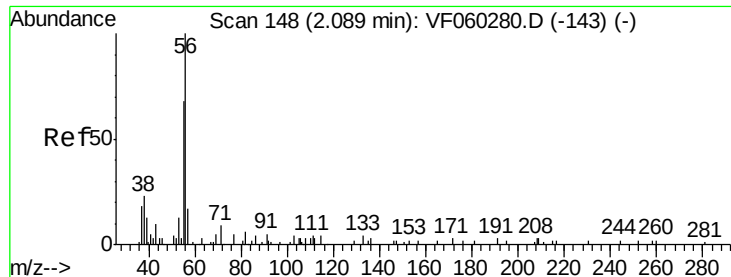


#12

1,1-Dichloroethene
Concen: 64.21 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	96	Resp	199929
Ion Ratio	100	Lower	Upper
96	100		
61	215.5	172.2	258.2
98	63.9	54.1	81.1





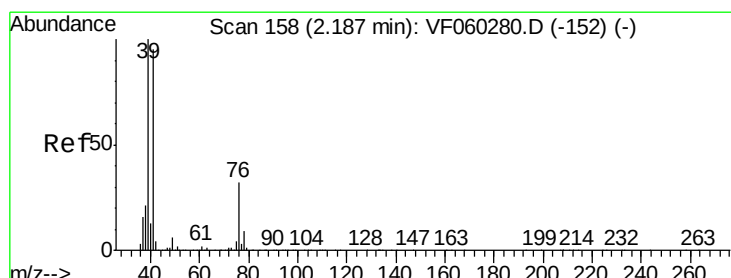
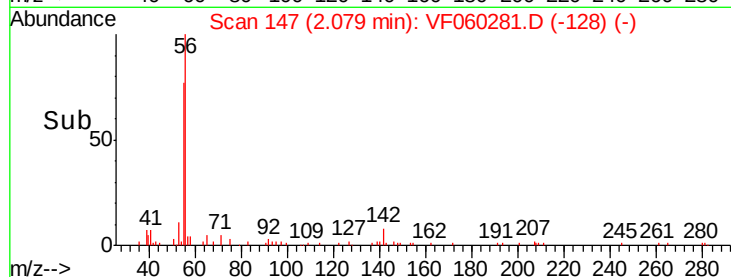
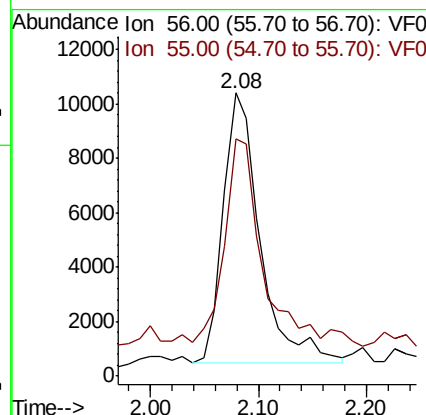
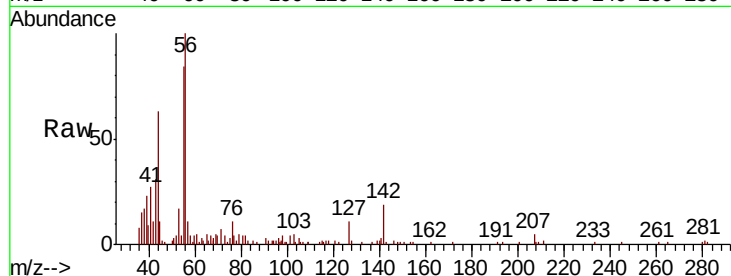
#13
Acrolein
Concen: 206.20 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	56	Resp	23673
Ion Ratio	100	Lower	Upper
55	83.9	69.9	104.9

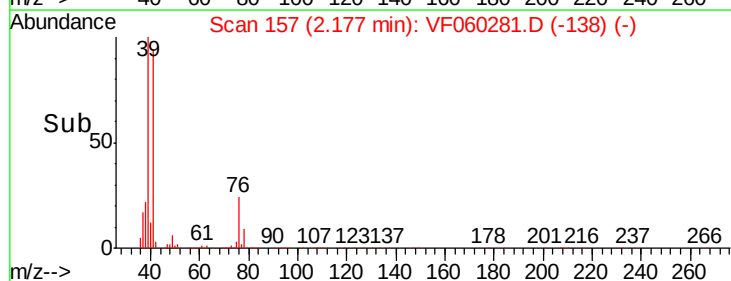
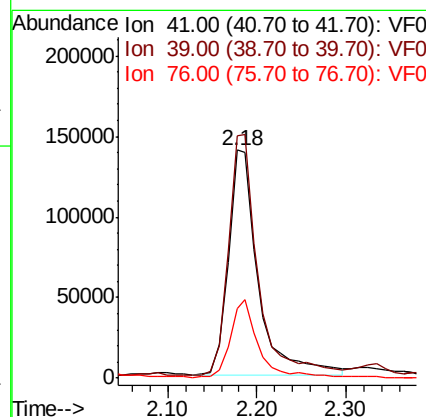
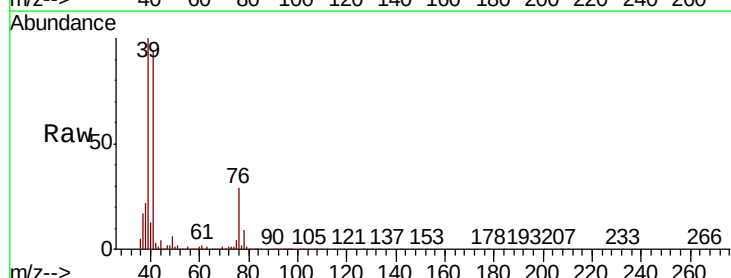
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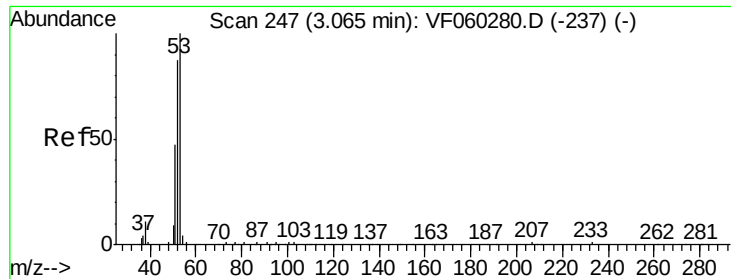
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#14
Allyl chloride
Concen: 60.53 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	41	Resp	328918
Ion Ratio	100	Lower	Upper
39	106.2	84.8	127.2
76	30.6	27.4	41.2





#15

Acrylonitrile

Concen: 321.80 ug/l

RT: 3.06 min Scan# 247

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

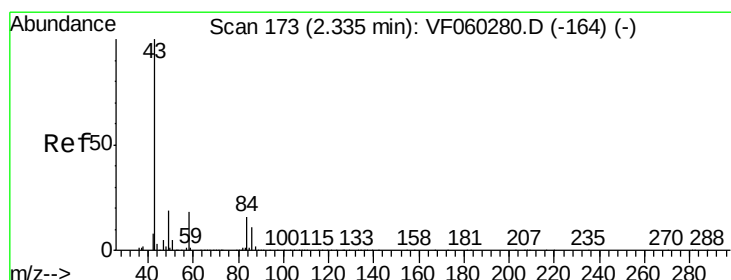
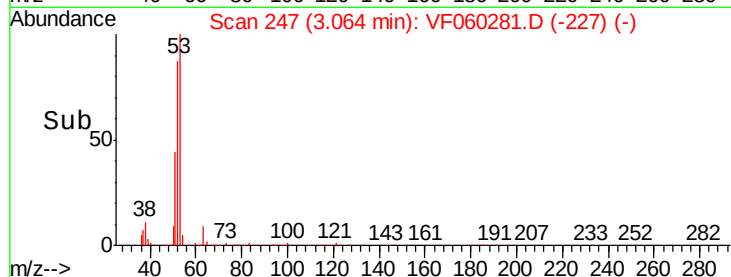
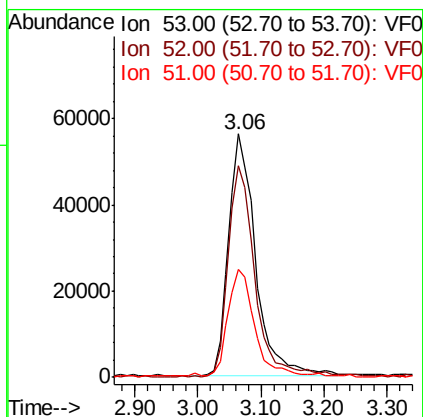
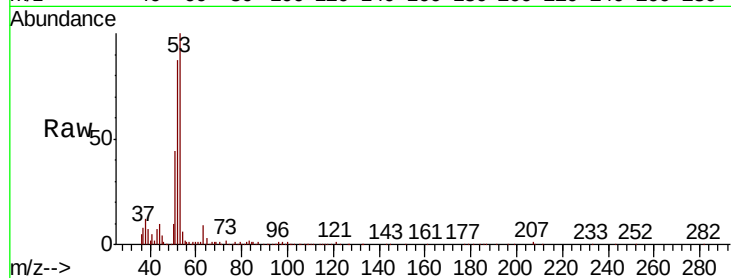
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	167455
Ion	Ratio	Lower	Upper
53	100		
52	87.1	69.5	104.3
51	44.3	38.1	57.1

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#16

Acetone

Concen: 320.54 ug/l

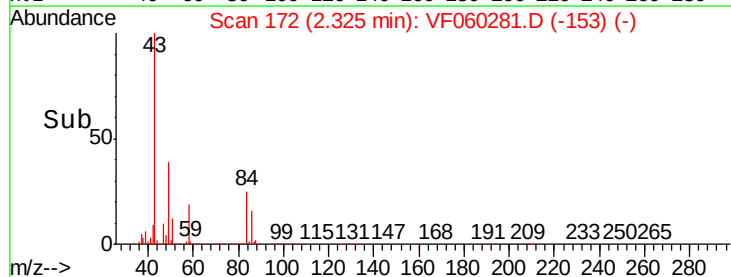
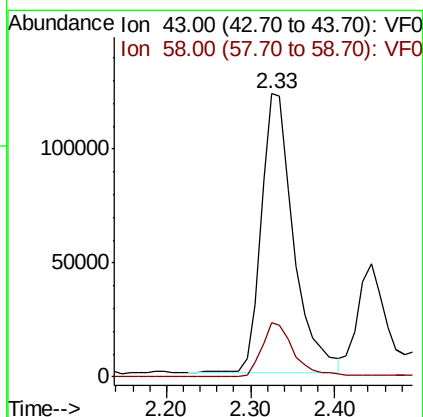
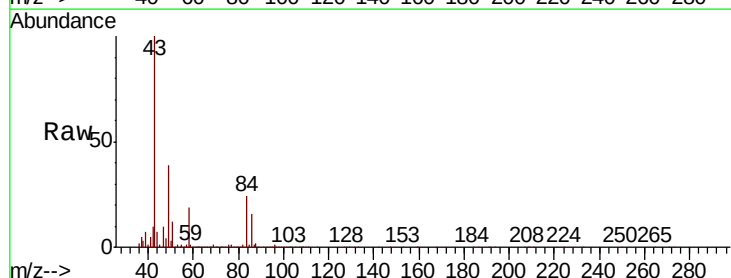
RT: 2.33 min Scan# 172

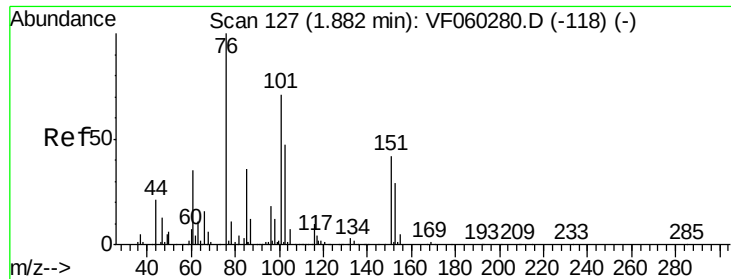
Delta R.T. -0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion:	43	Resp:	332595
Ion	Ratio	Lower	Upper
43	100		
58	19.2	14.5	21.7





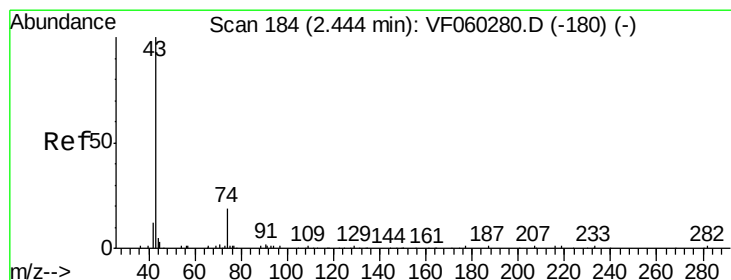
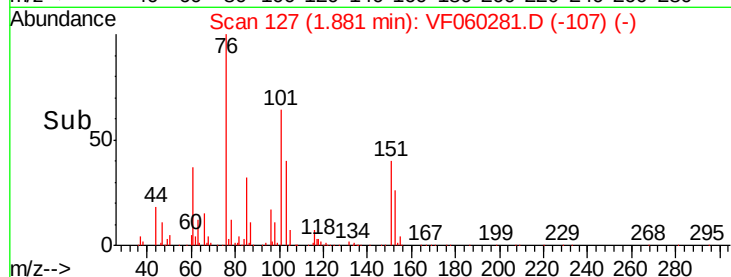
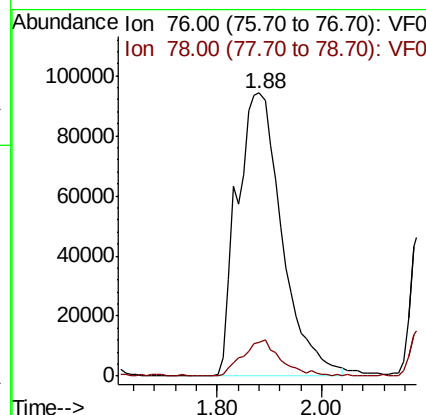
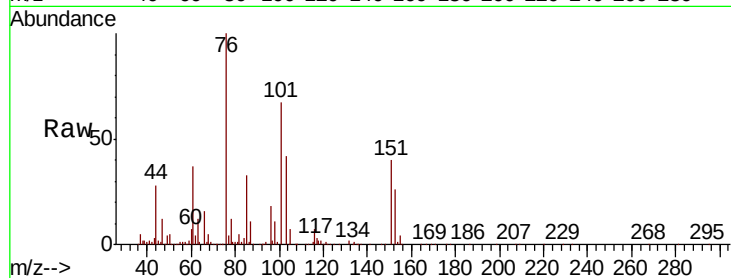
#17
Carbon Disulfide
Concen: 58.67 ug/l
RT: 1.88 min Scan# 127
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.1	9.4	14.0

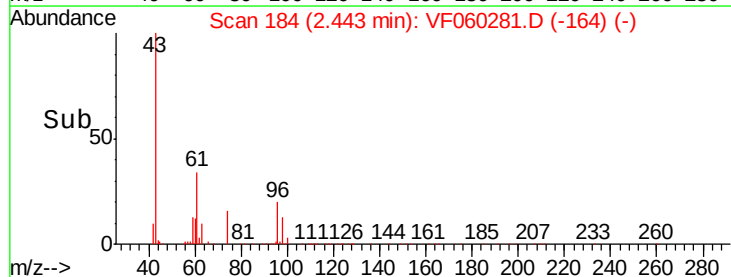
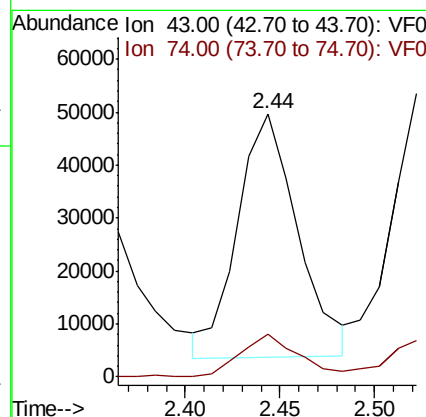
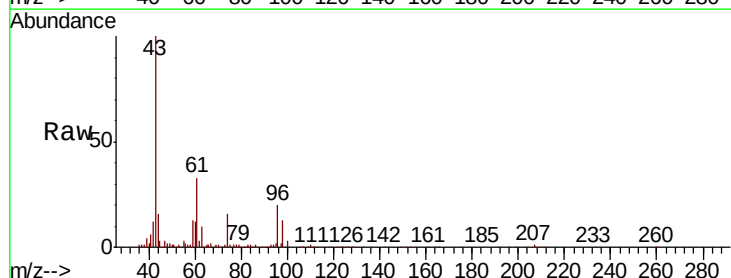
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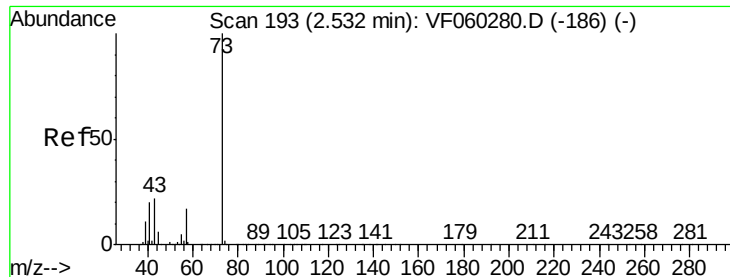
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#18
Methyl Acetate
Concen: 58.61 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.3	12.7	19.1





#19

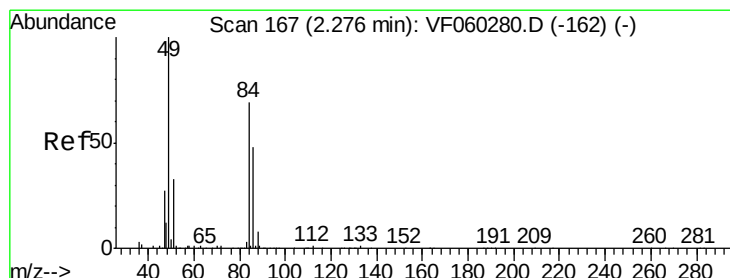
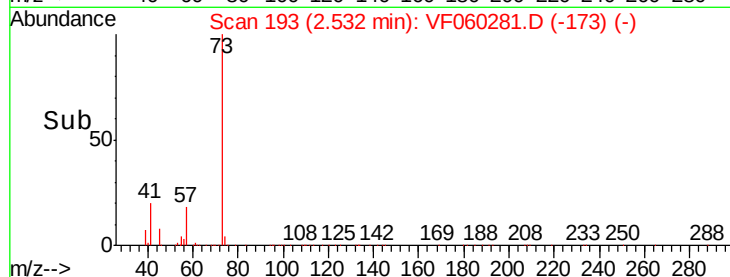
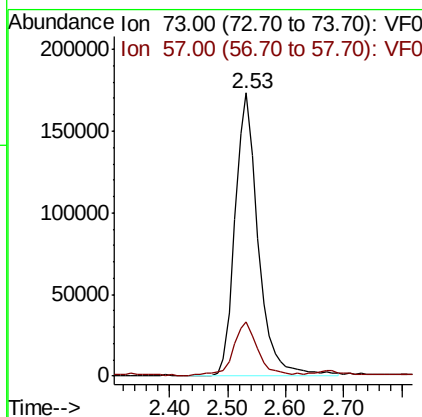
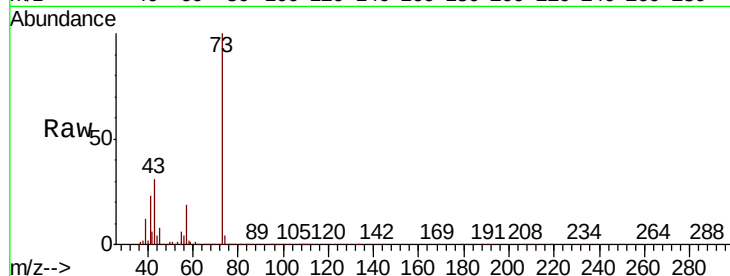
Methyl tert-butyl Ether
 Concen: 61.99 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	14.5	21.7

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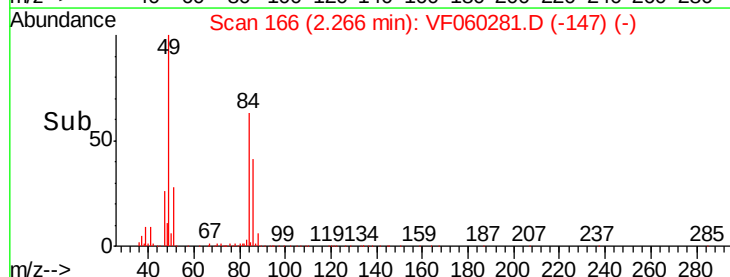
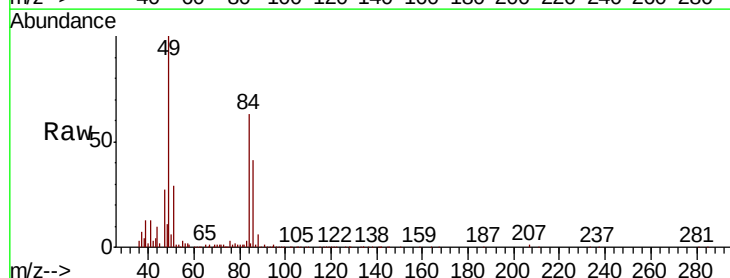
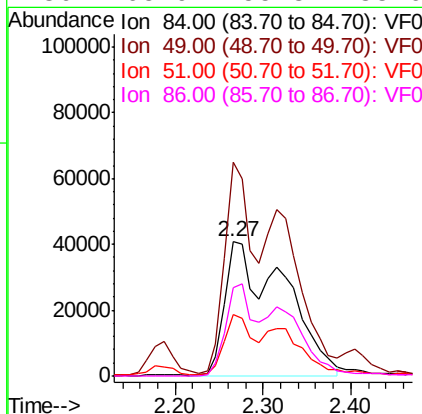
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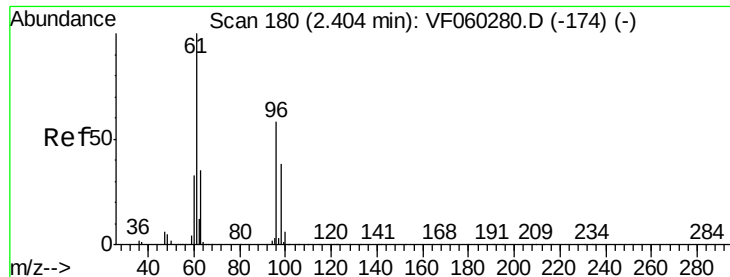


#20

Methylene Chloride
 Concen: 52.00 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.5	118.3	177.5
51	45.5	38.7	58.1
86	65.9	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 61.36 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

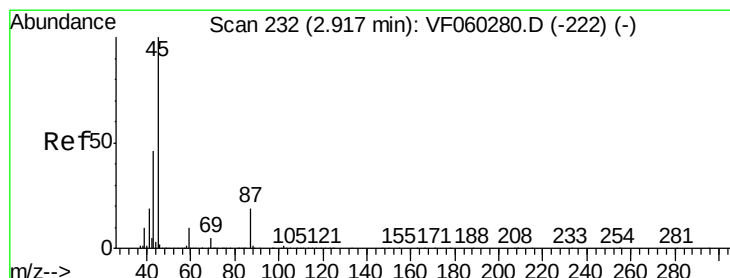
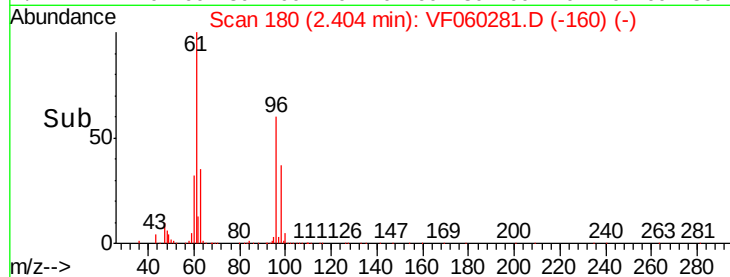
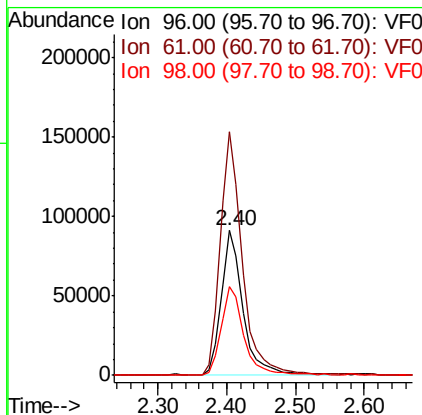
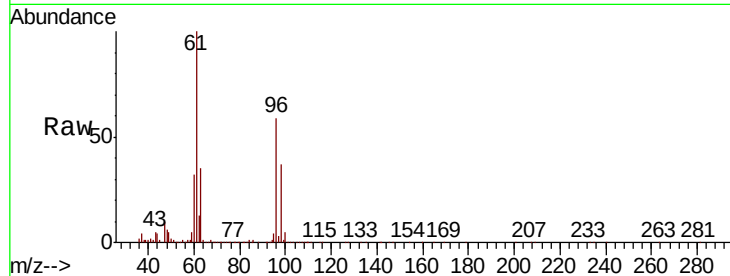
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	197325
Ion	Ratio	Lower	Upper
96	100		
61	168.1	136.4	204.6
98	61.7	51.8	77.6

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#22

Diisopropyl ether

Concen: 65.09 ug/l

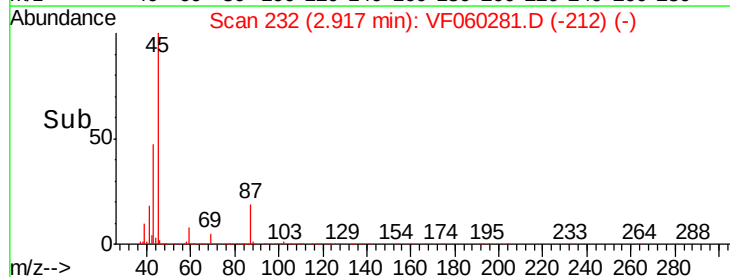
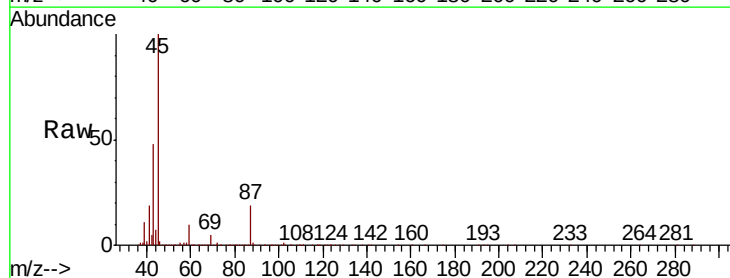
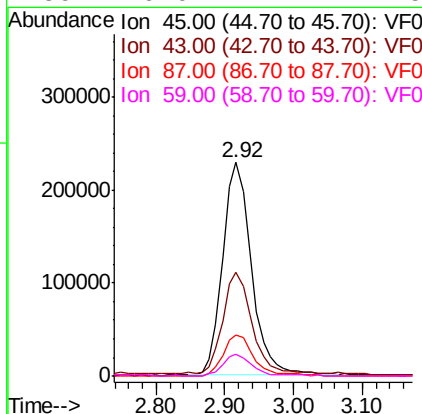
RT: 2.92 min Scan# 232

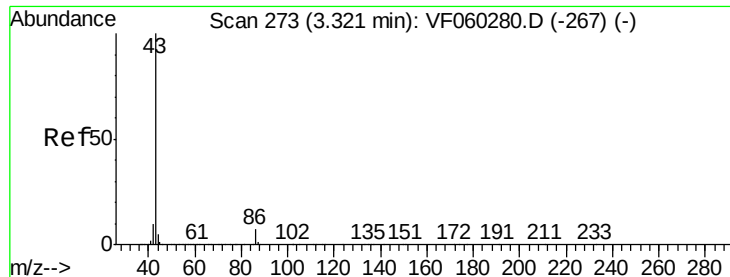
Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion:	45	Resp:	667352
Ion	Ratio	Lower	Upper
45	100		
43	48.4	38.2	57.2
87	19.0	15.5	23.3
59	10.0	7.7	11.5





#23

Vinyl Acetate

Concen: 316.21 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1273225

Ion Ratio Lower Upper

43 100

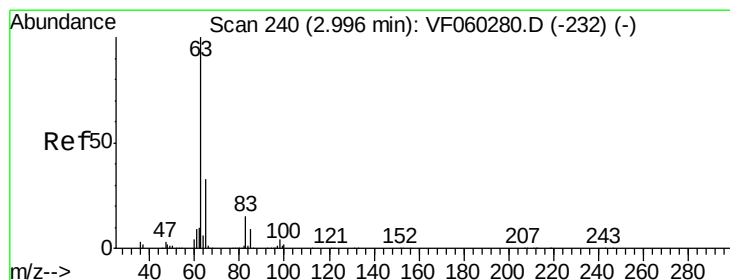
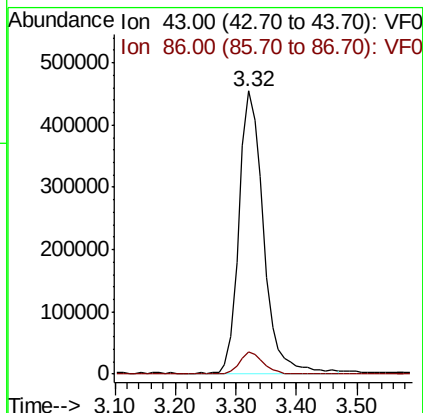
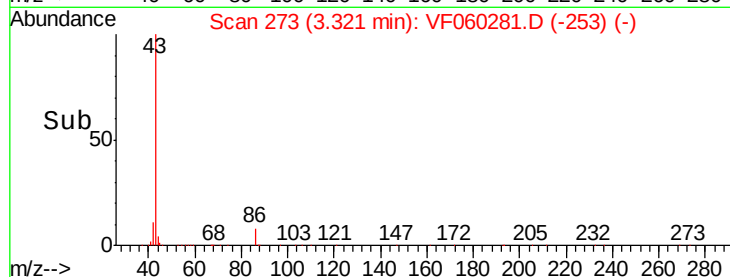
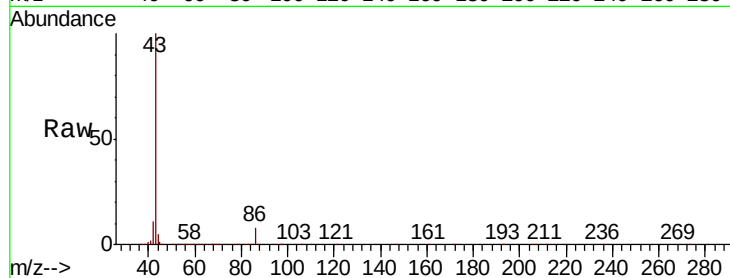
86 8.1 5.9 8.9

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#24

1,1-Dichloroethane

Concen: 63.74 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

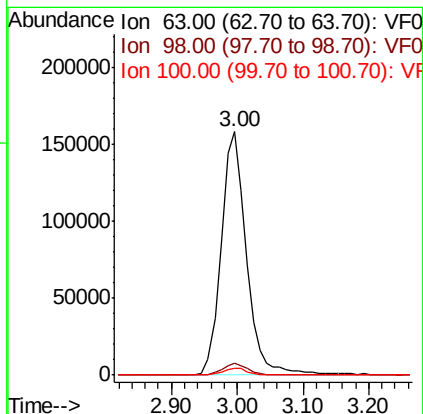
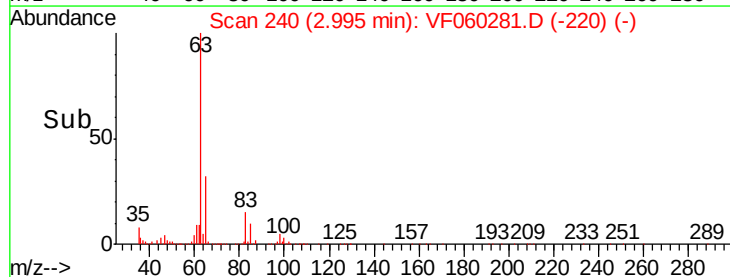
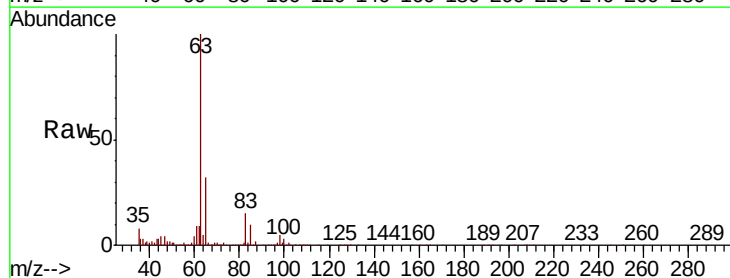
Tgt Ion: 63 Resp: 423775

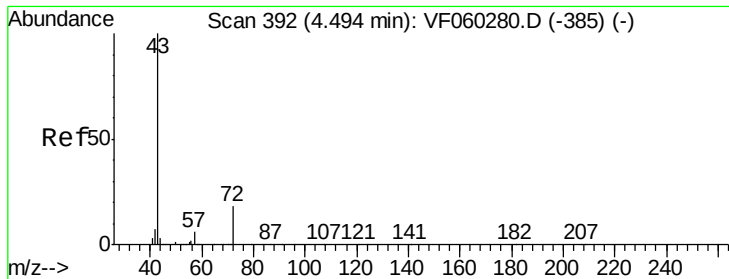
Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.5

100 3.0 1.1 3.3





#25

2-Butanone

Concen: 315.02 ug/l

RT: 4.49 min Scan# 392

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 439965

Ion Ratio Lower Upper

43 100

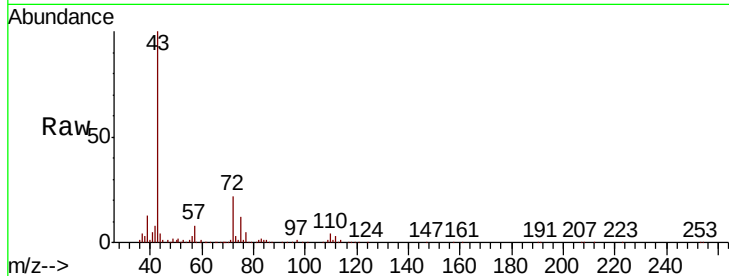
72 21.8 16.2 24.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.49

120000

100000

80000

60000

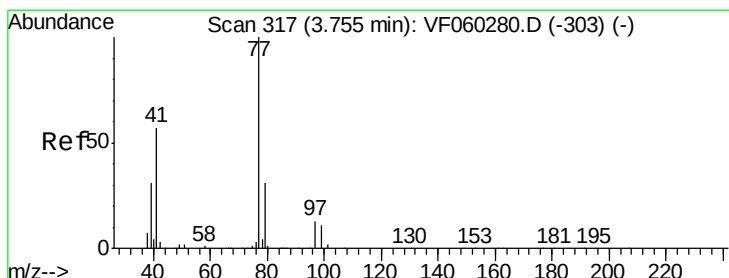
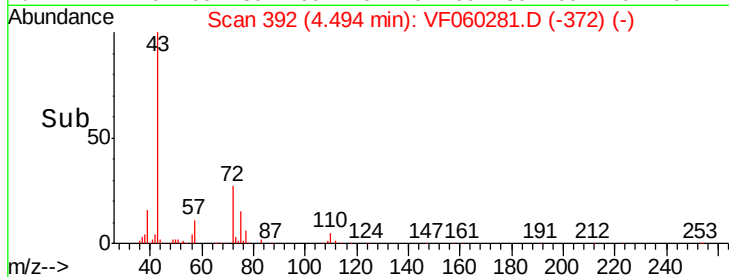
40000

20000

0

4.40 4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 62.61 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.00 min

Lab File: VF060281.D

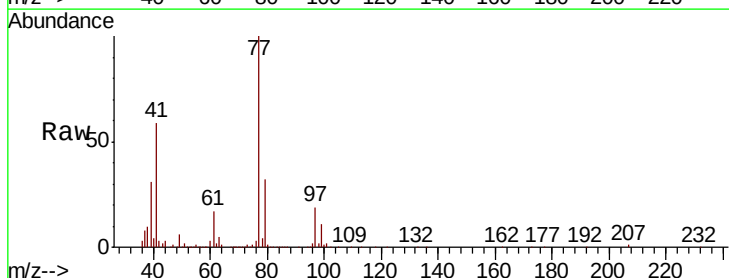
Acq: 19 Sep 2018 14:42

Tgt Ion: 77 Resp: 237528

Ion Ratio Lower Upper

77 100

97 19.5 9.3 27.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.75

80000

60000

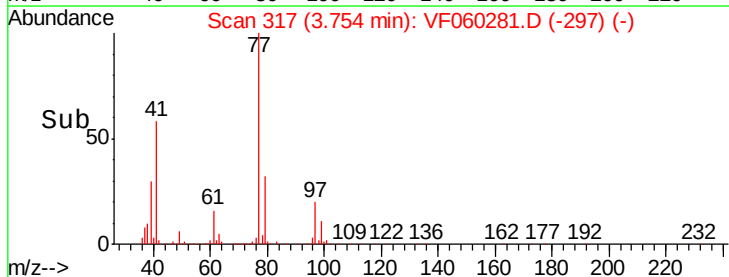
40000

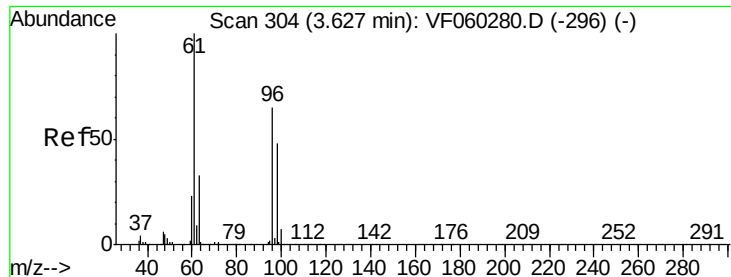
20000

0

3.60 3.70 3.80 3.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 61.42 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

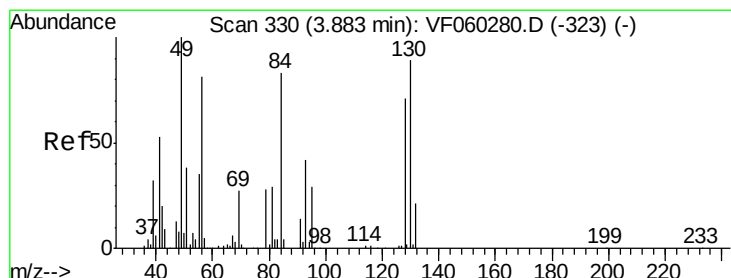
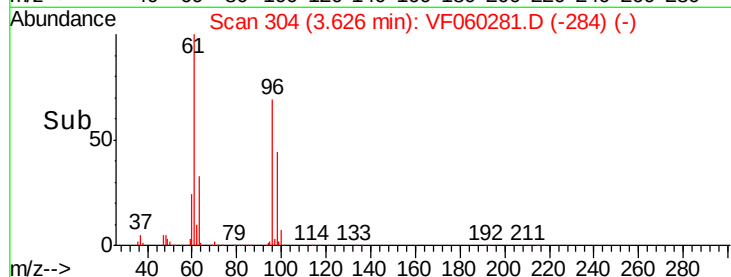
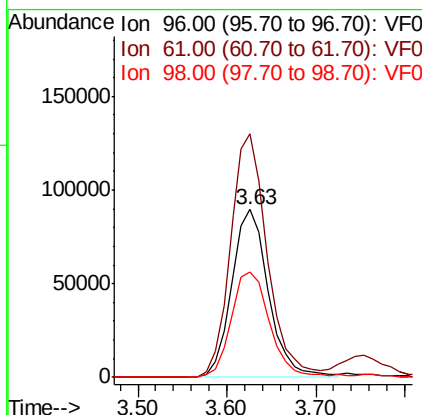
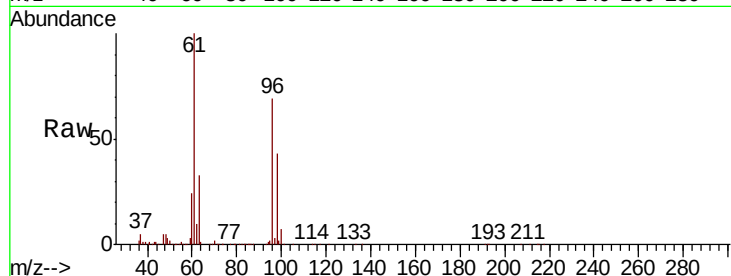
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	259494
Ion Ratio	Lower	Upper	
96	100		
61	145.0	0.0	304.8
98	63.1	0.0	146.4

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#28

Bromochloromethane

Concen: 61.28 ug/l

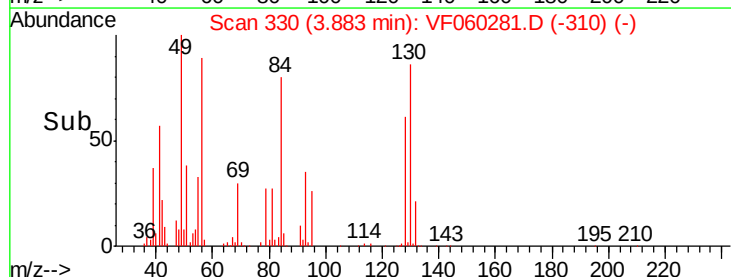
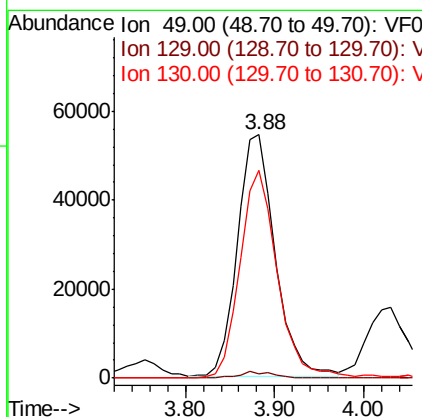
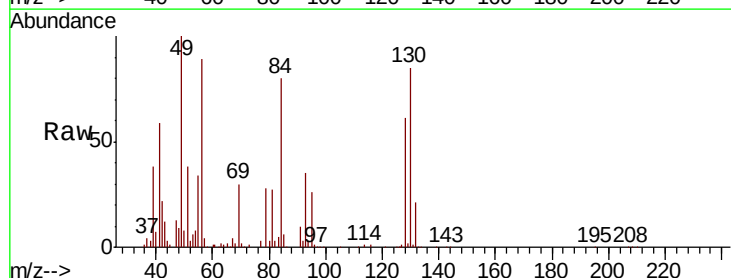
RT: 3.88 min Scan# 330

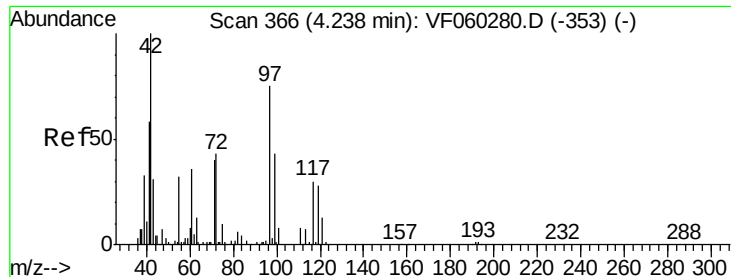
Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion:	49	Resp:	158638
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.2
130	85.3	70.3	105.5





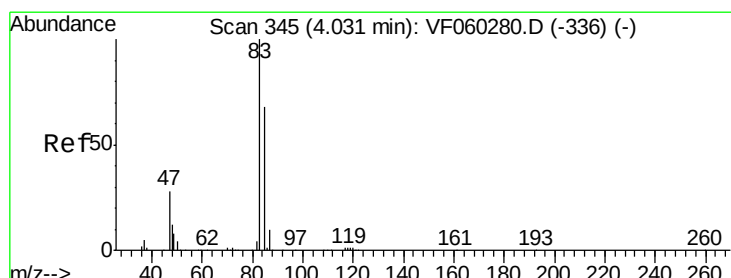
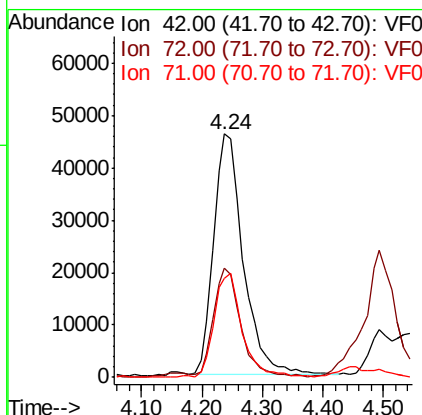
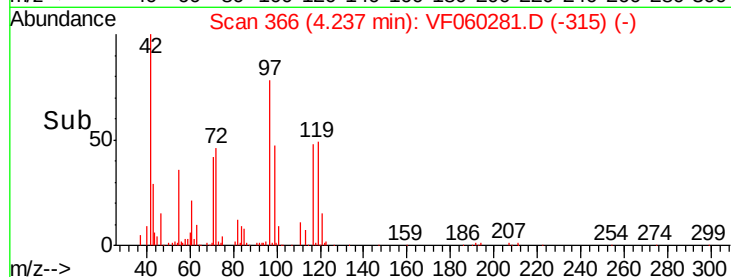
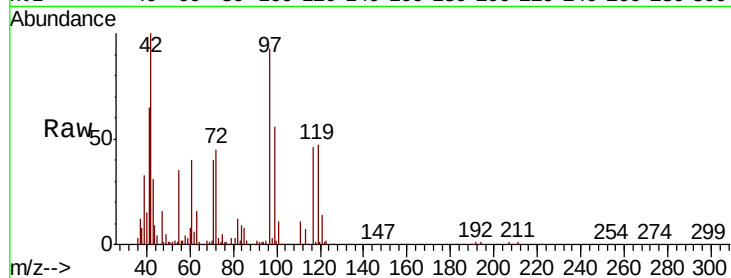
#29
Tetrahydrofuran
Concen: 306.10 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.6	49.0
71	41.3	32.7	49.1

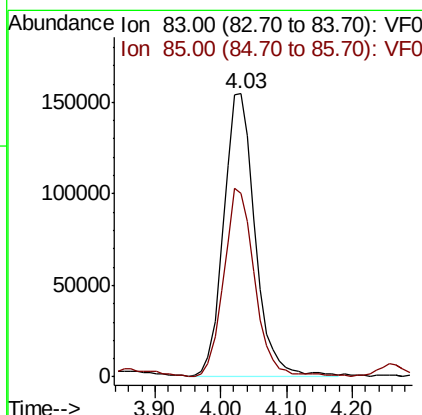
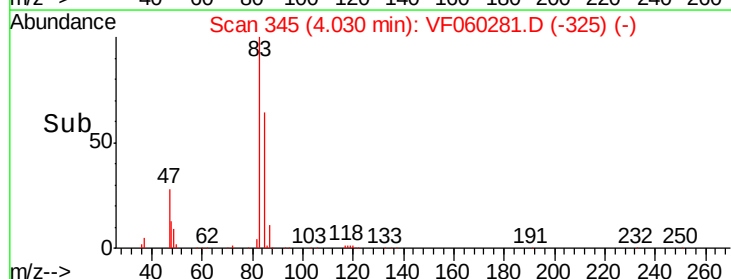
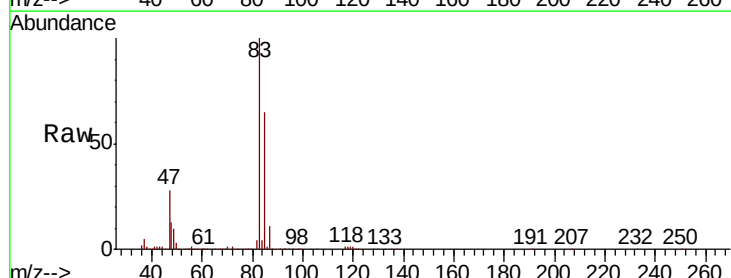
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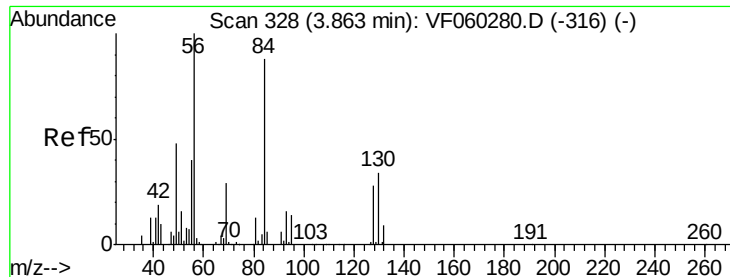
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#30
Chloroform
Concen: 64.17 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	54.9	82.3





#31

Cyclohexane

Concen: 61.56 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

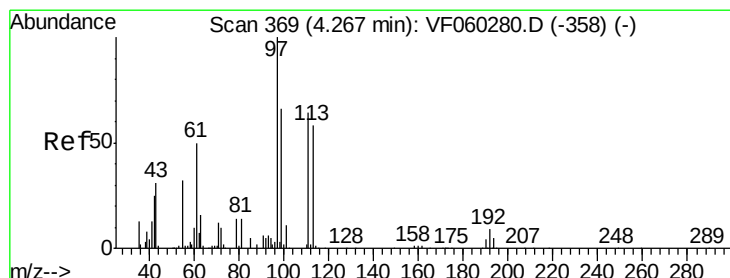
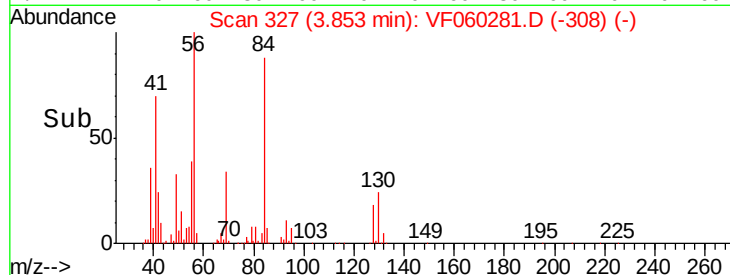
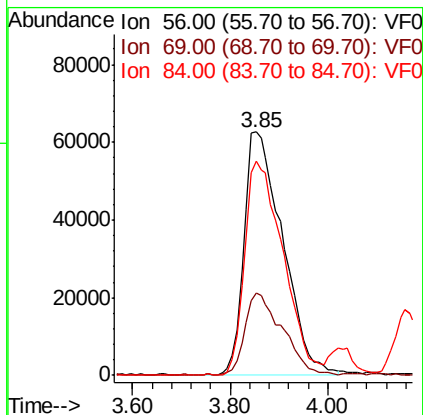
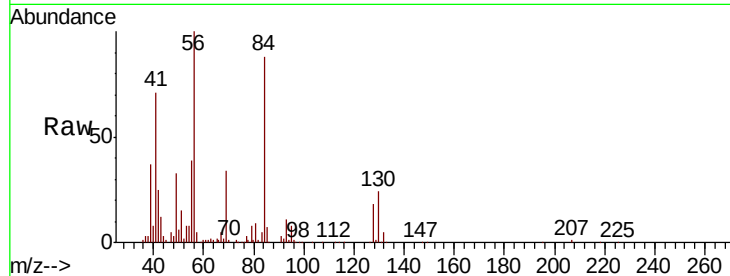
ClientSampleId :

VSTDIC075

Tot Ion	56	Resp	345701
Ion	Ratio	Lower	Upper
56	100		
69	33.8	23.8	35.6
84	87.8	70.2	105.4

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#32

1,1,1-Trichloroethane

Concen: 63.60 ug/l

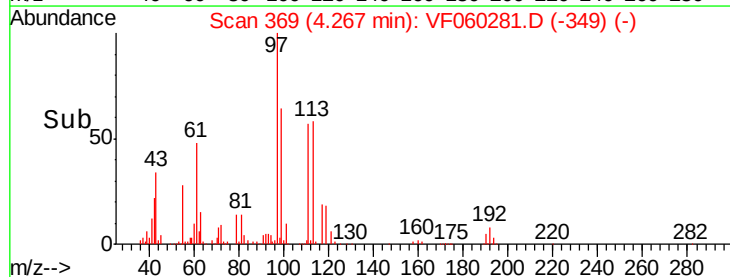
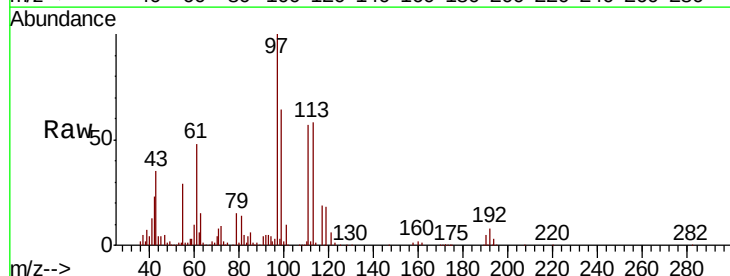
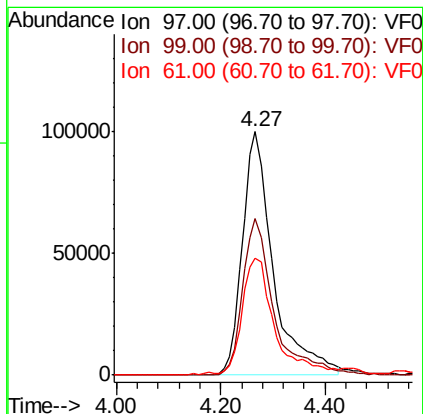
RT: 4.27 min Scan# 369

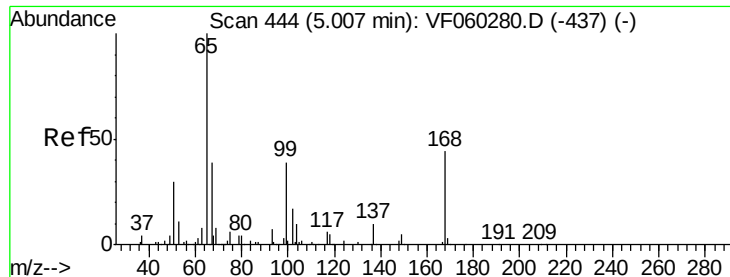
Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion	97	Resp	402592
Ion	Ratio	Lower	Upper
97	100		
99	64.1	53.0	79.4
61	48.2	40.6	61.0





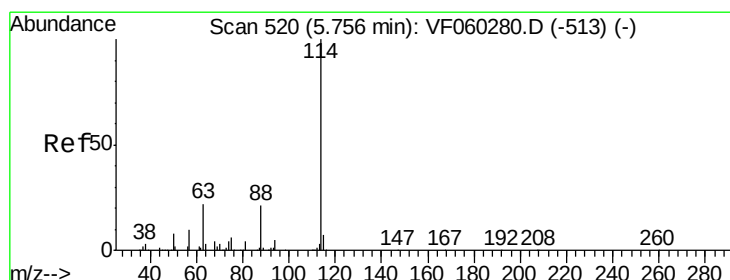
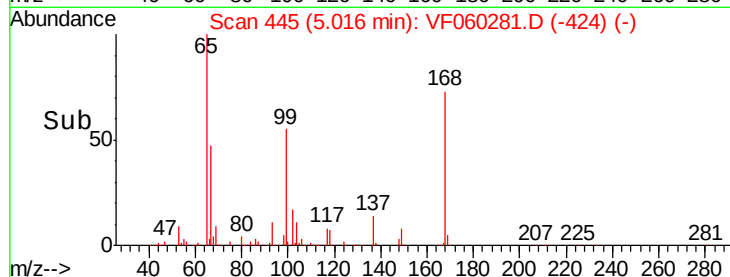
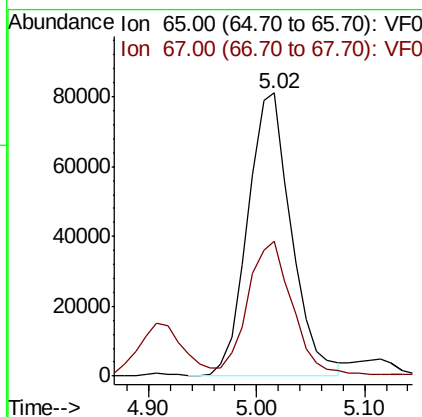
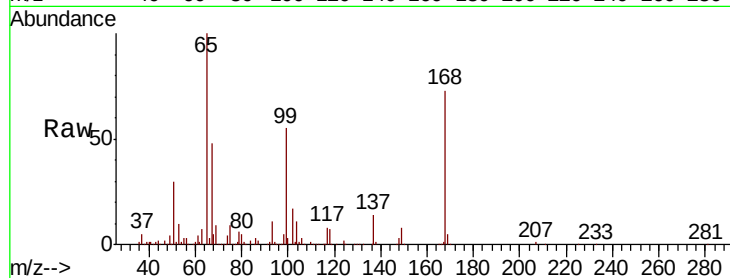
#33
 1,2-Dichloroethane-d4
 Concen: 61.38 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	226168		
67	47.6	0.0	94.4	

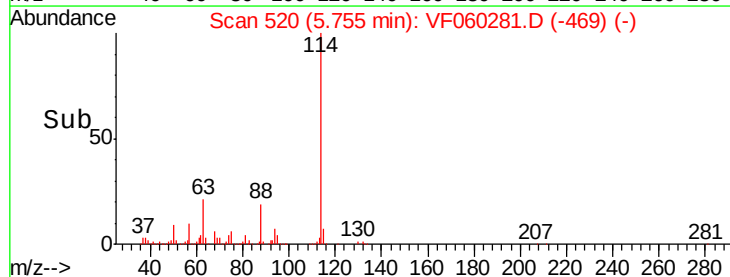
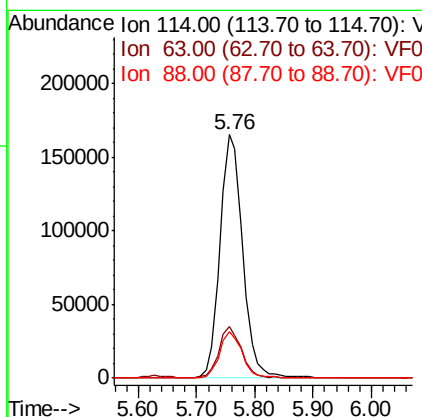
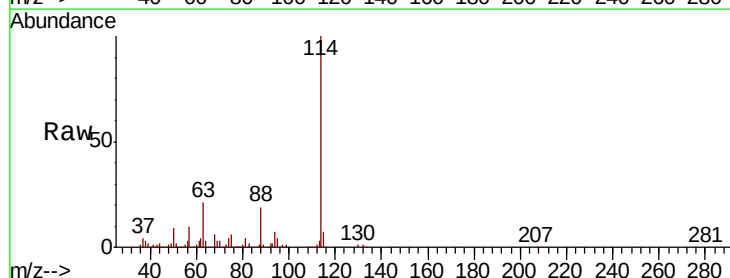
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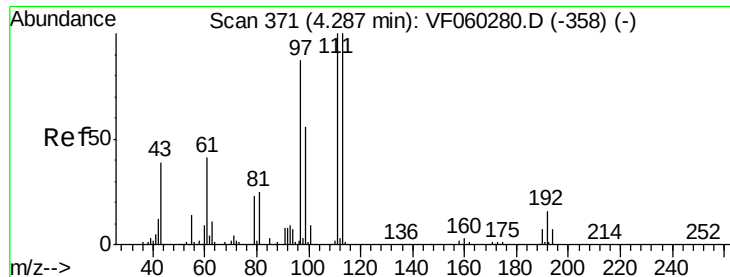
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	448660		
63	21.2	0.0	43.8	
88	18.9	0.0	41.2	





#35

Dibromofluoromethane

Concen: 62.94 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

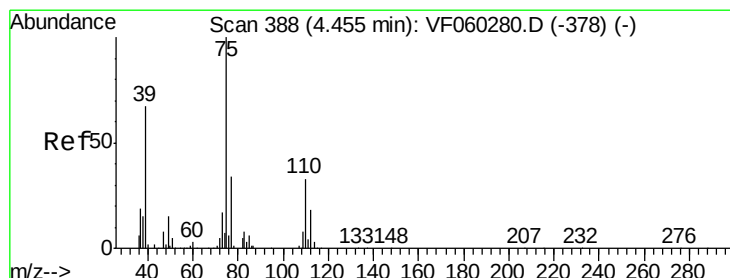
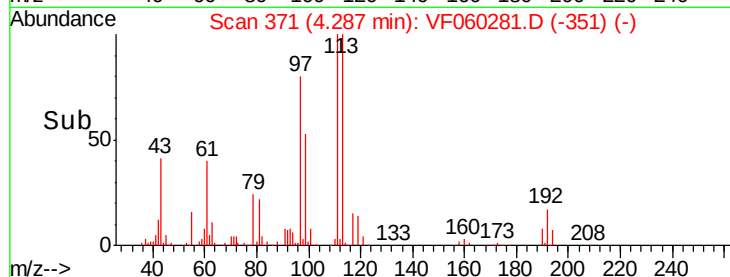
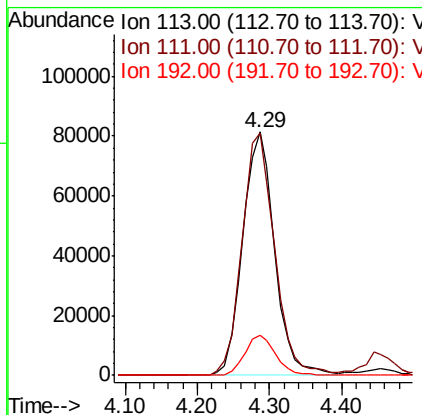
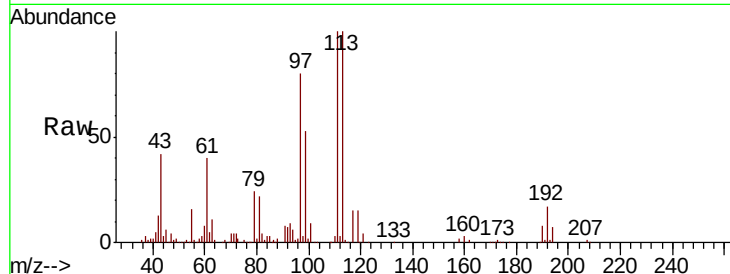
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	251743
Ion Ratio	Lower	Upper	
113	100		
111	99.7	79.6	119.4
192	16.7	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 63.87 ug/l

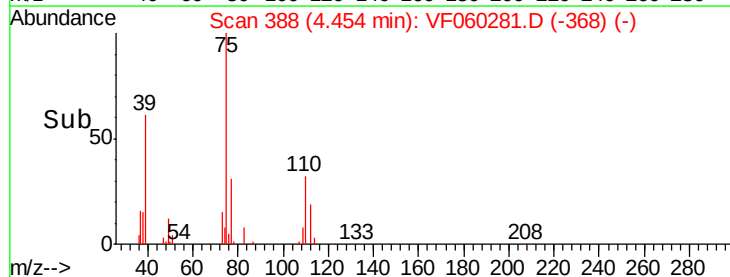
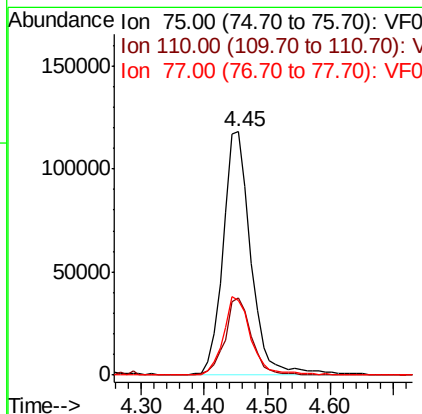
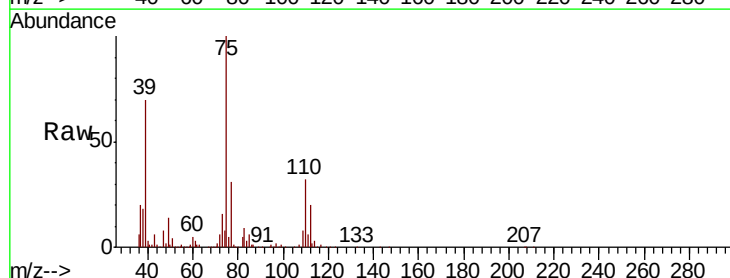
RT: 4.45 min Scan# 388

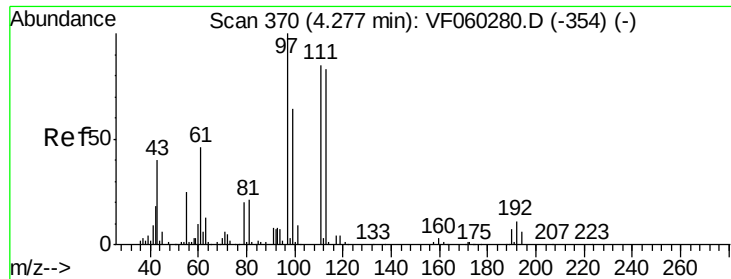
Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion:	75	Resp:	357461
Ion Ratio	Lower	Upper	
75	100		
110	31.7	16.4	49.2
77	30.7	27.3	40.9





#37

Ethyl Acetate

Concen: 62.60 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

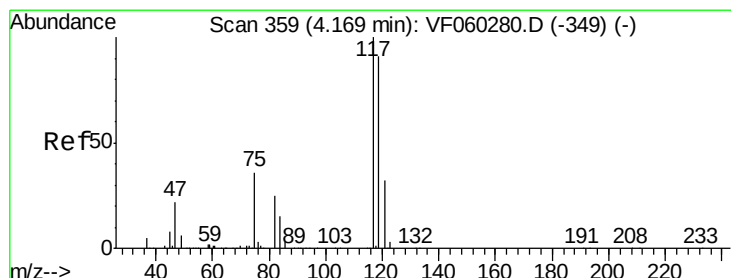
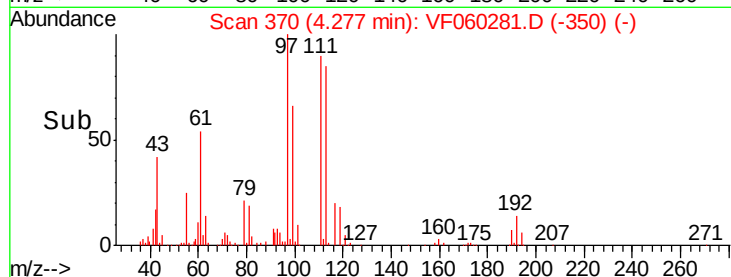
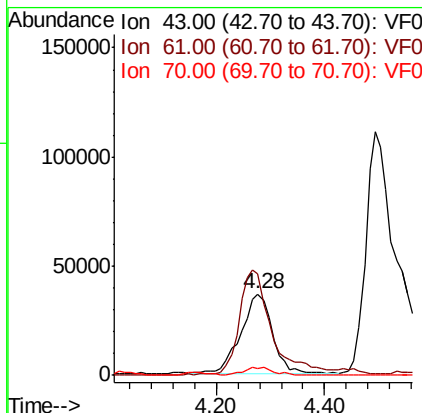
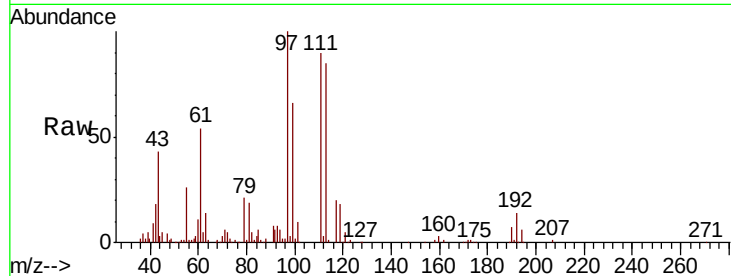
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	148239
Ion	Ratio	Lower	Upper
43	100		
61	125.1	91.1	136.7
70	8.1	6.9	10.3

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#38

Carbon Tetrachloride

Concen: 57.43 ug/l m

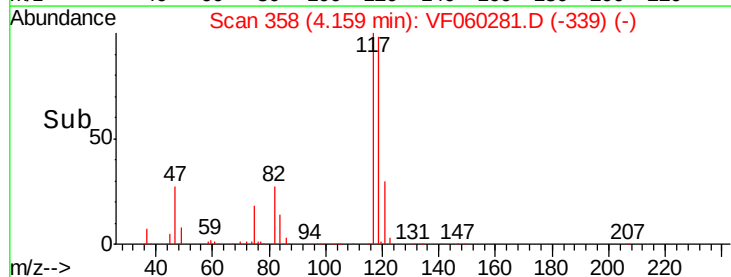
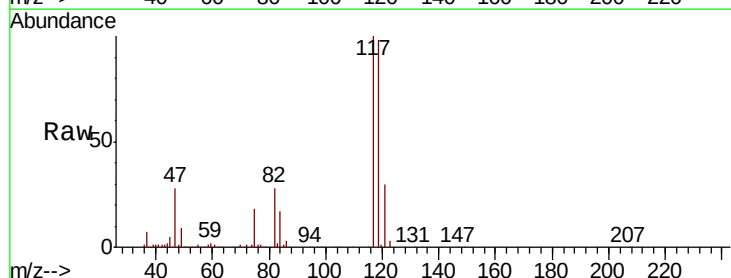
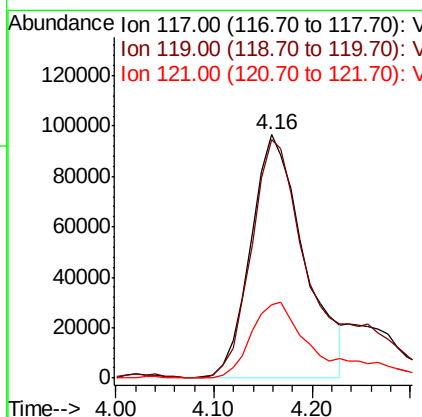
RT: 4.16 min Scan# 358

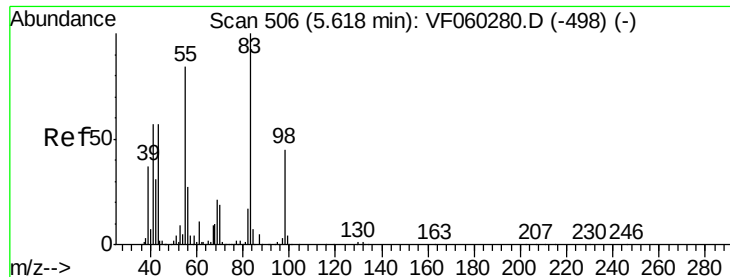
Delta R.T. -0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion:	117	Resp:	366742
Ion	Ratio	Lower	Upper
117	100		
119	97.8	73.0	109.6
121	30.1	25.4	38.2





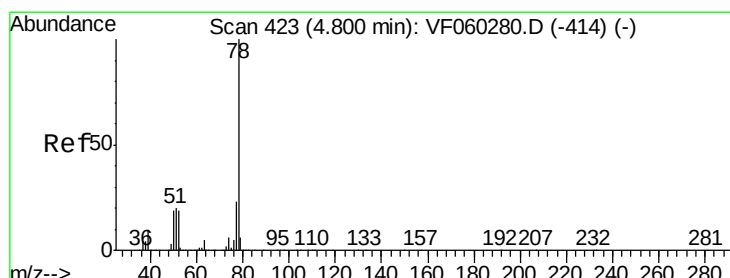
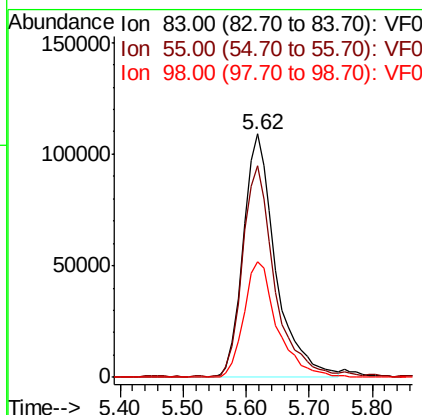
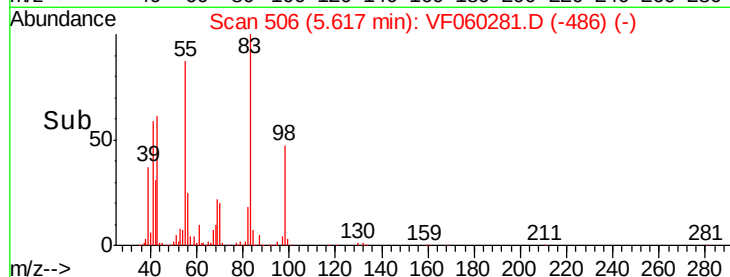
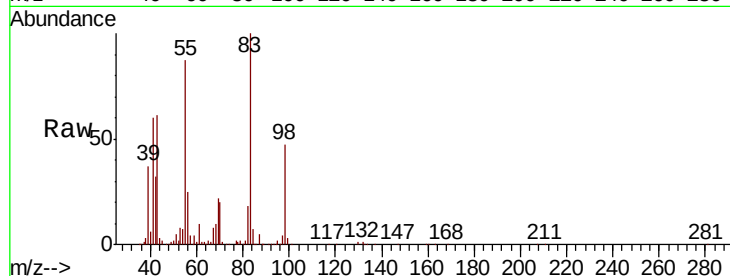
#39
Methylvlcyclohexane
Concen: 64.33 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.9	67.3	100.9
98	47.5	36.1	54.1

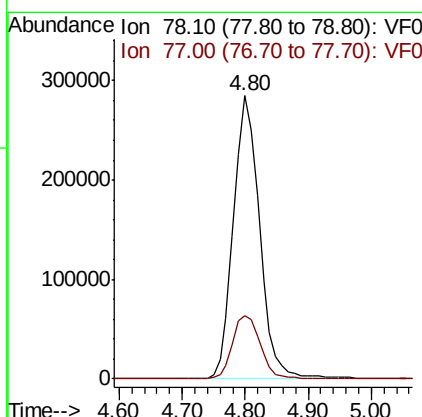
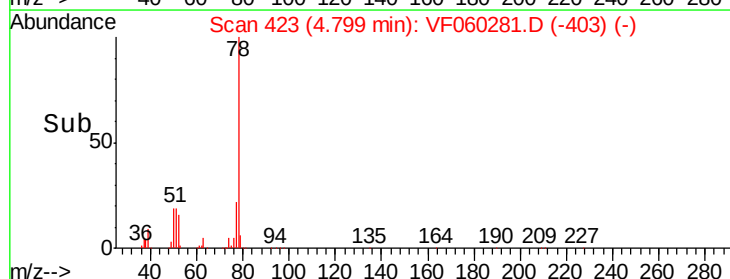
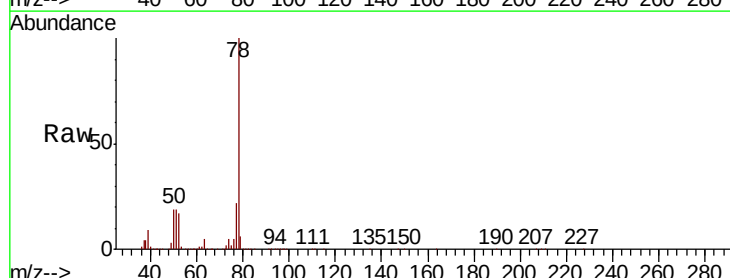
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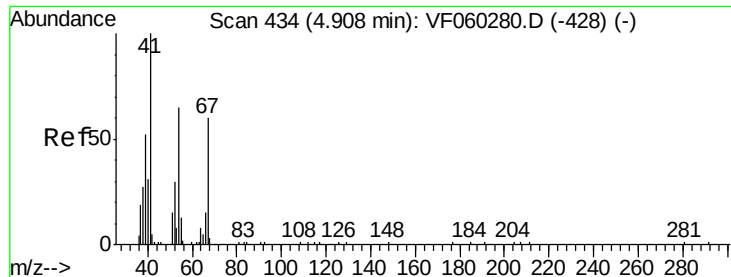
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#40
Benzene
Concen: 64.62 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.4	27.6





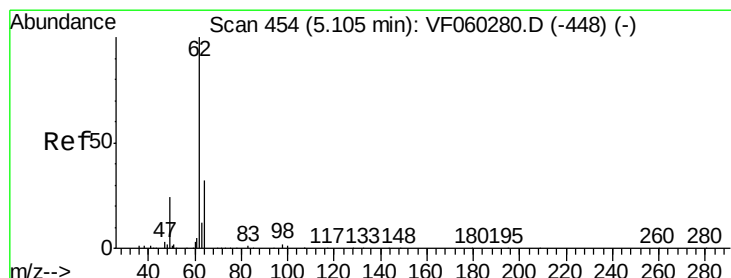
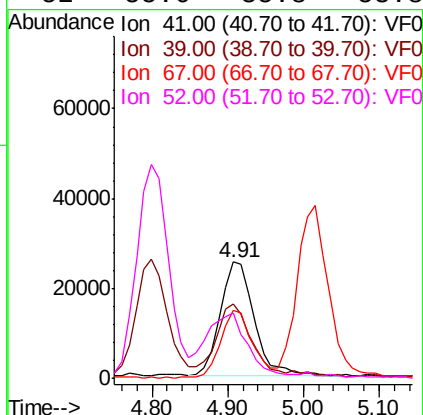
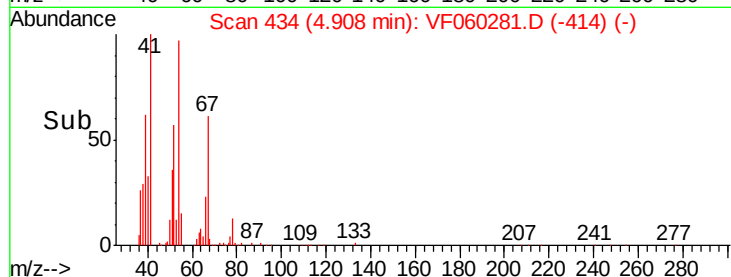
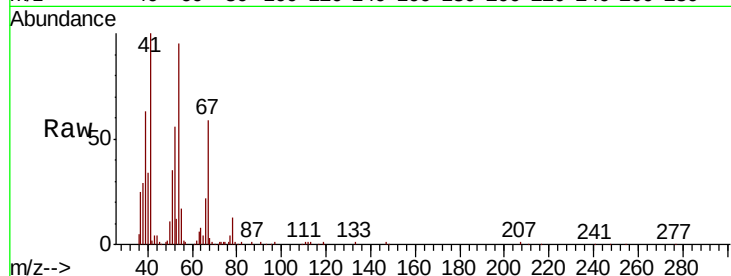
#41
Methacrylonitrile
Concen: 61.43 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.5	49.1	73.7
67	58.8	48.2	72.4
52	55.6	35.8	53.8

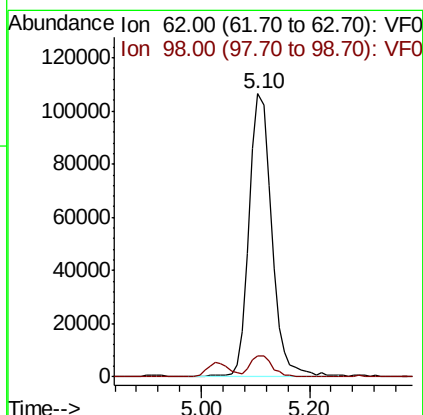
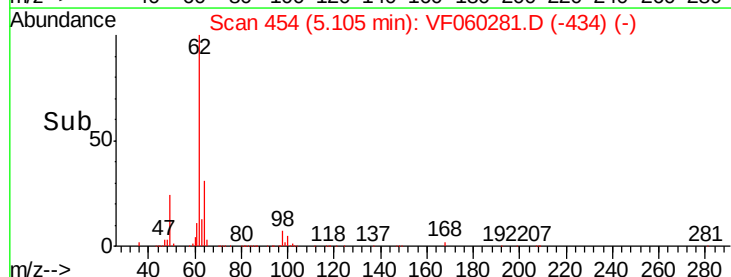
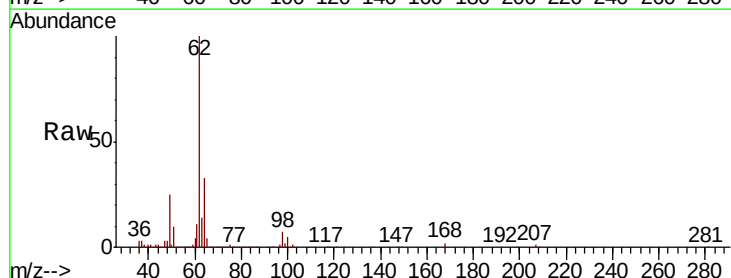
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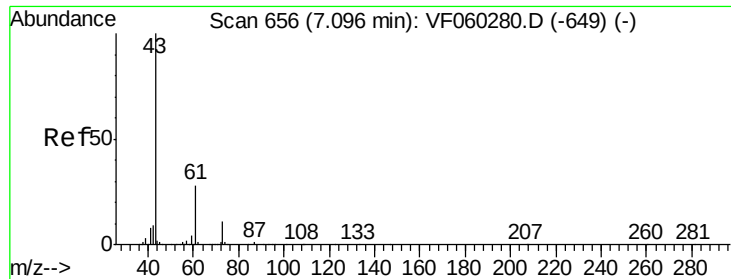
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#42
1,2-Dichloroethane
Concen: 66.65 ug/l
RT: 5.10 min Scan# 454
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	14.4





#43

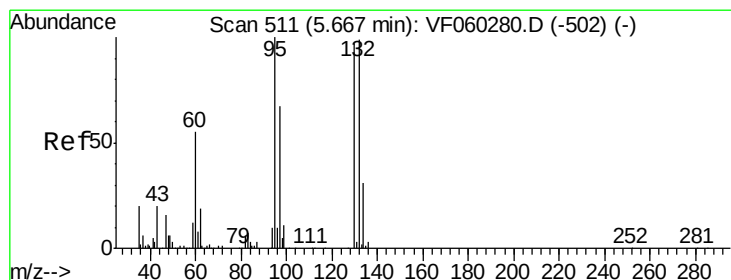
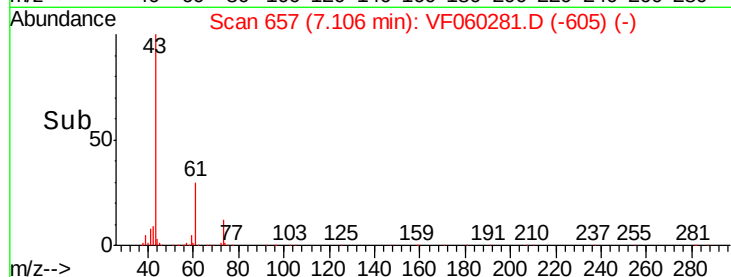
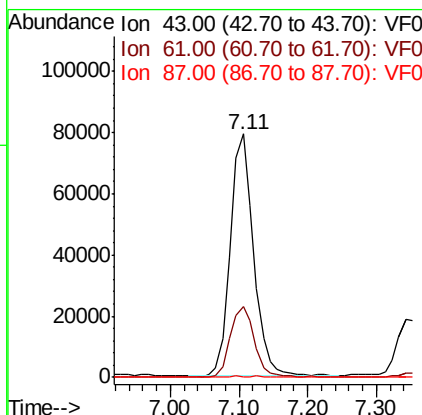
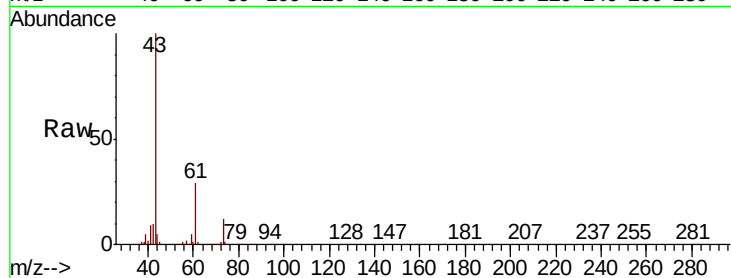
Isopropyl Acetate
 Concen: 65.29 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.4	33.6
87	0.2	0.6	0.8

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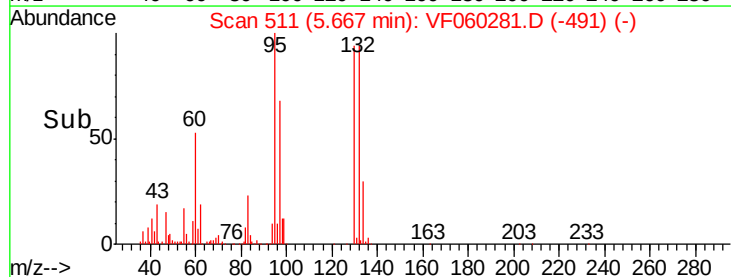
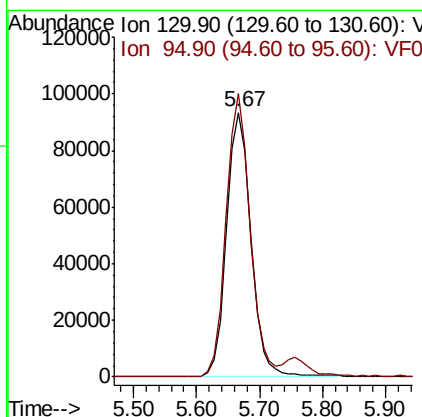
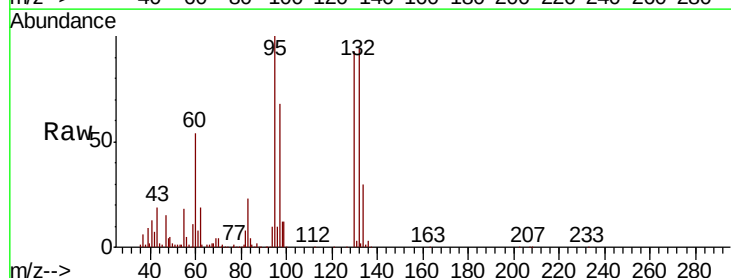
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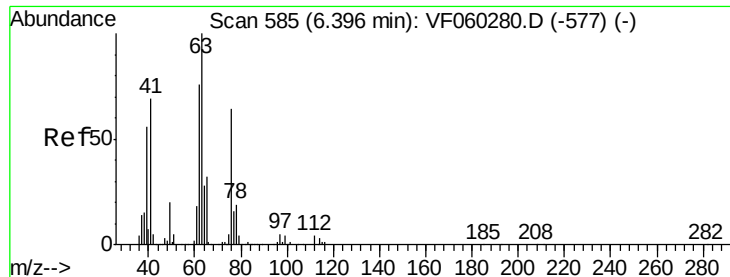


#44

Trichloroethene
 Concen: 66.47 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	205.6





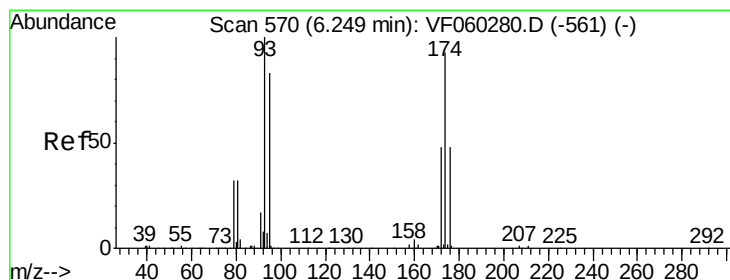
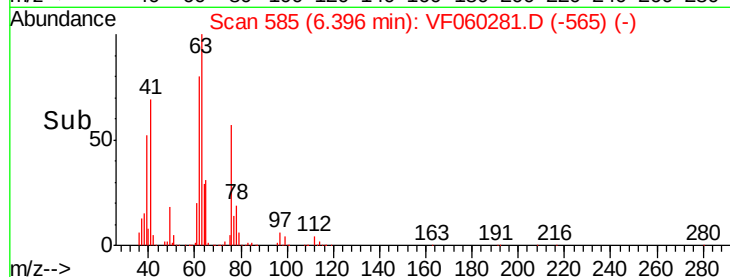
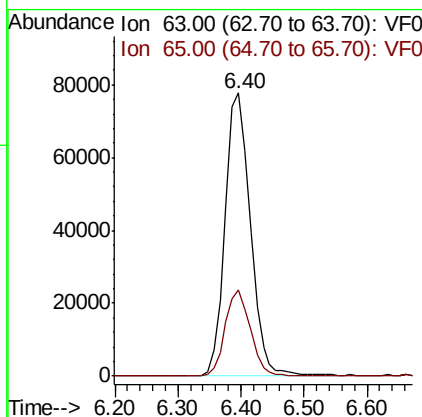
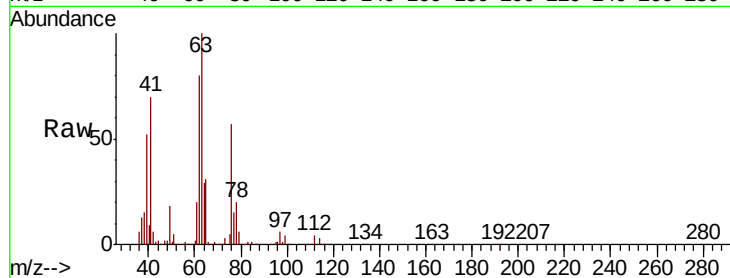
#45
 1,2-Dichloropropane
 Concen: 66.20 ug/l
 RT: 6.40 min Scan# 585
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	26.2	39.4

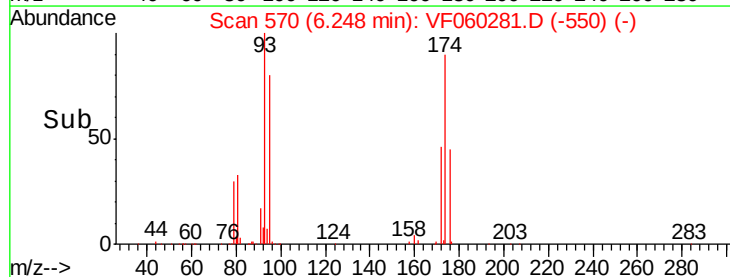
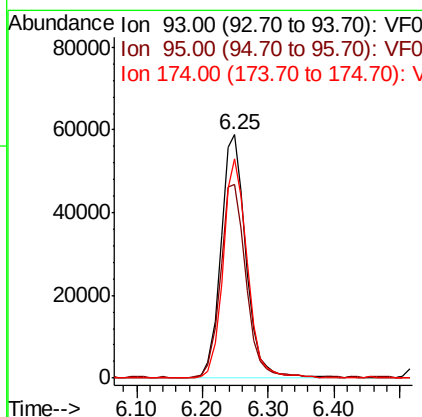
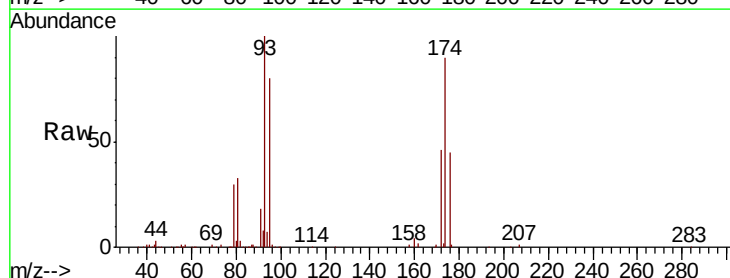
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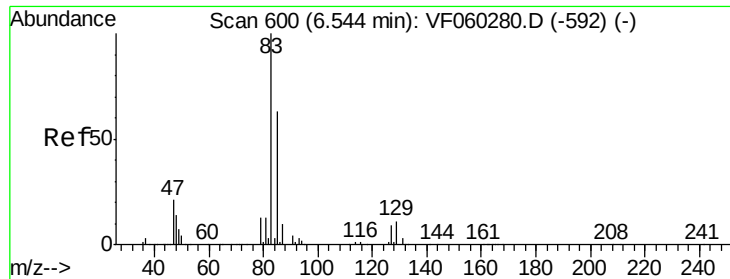
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#46
 Dibromomethane
 Concen: 66.49 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.8	67.0	100.6
174	90.2	74.8	112.2





#47

Bromodichloromethane

Concen: 66.69 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

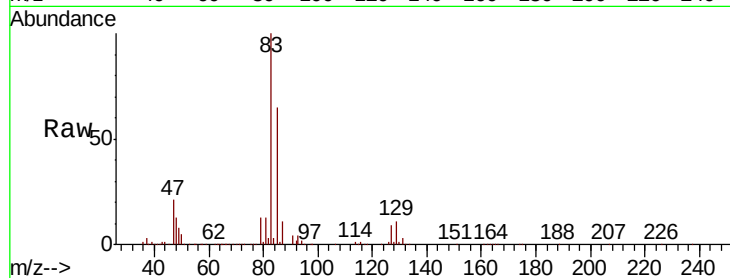
ClientSampleId :

VSTDIC075

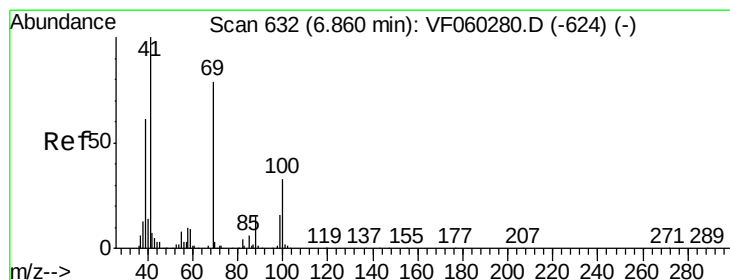
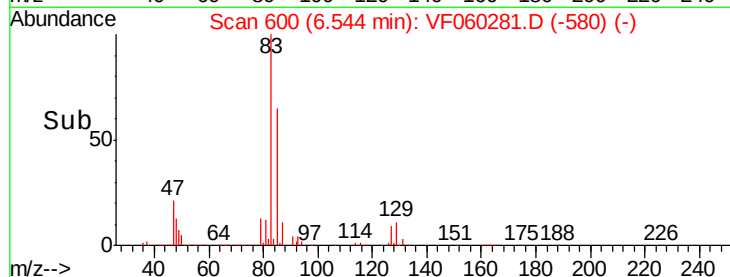
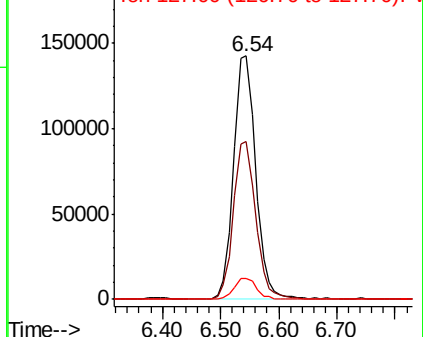
Tot Ion:	83	Resp:	376220
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0
127	8.7	7.1	10.7

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 62.65 ug/l

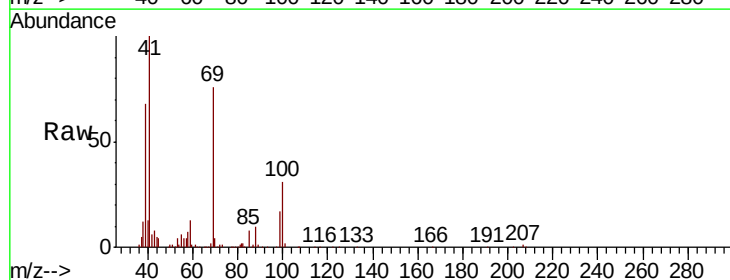
RT: 6.87 min Scan# 633

Delta R.T. 0.01 min

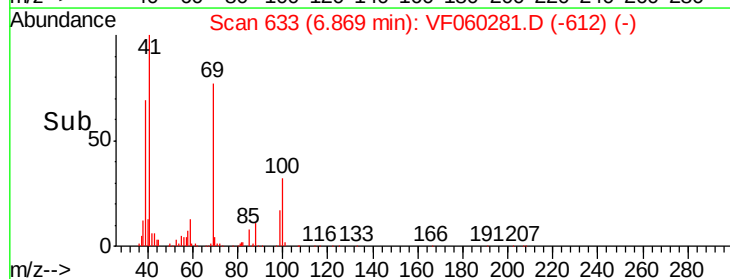
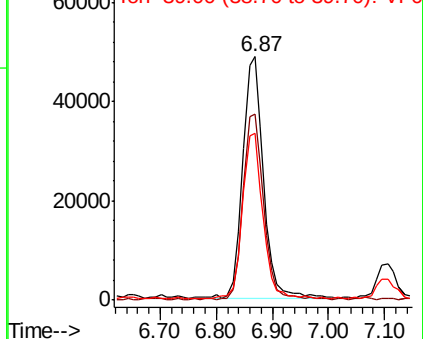
Lab File: VF060281.D

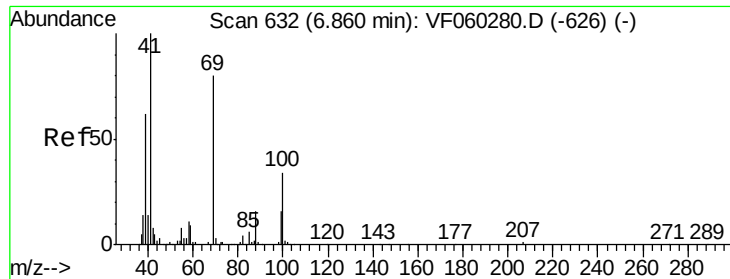
Acq: 19 Sep 2018 14:42

Tgt Ion:	41	Resp:	125374
Ion	Ratio	Lower	Upper
41	100		
69	76.2	62.6	94.0
39	68.3	49.1	73.7



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





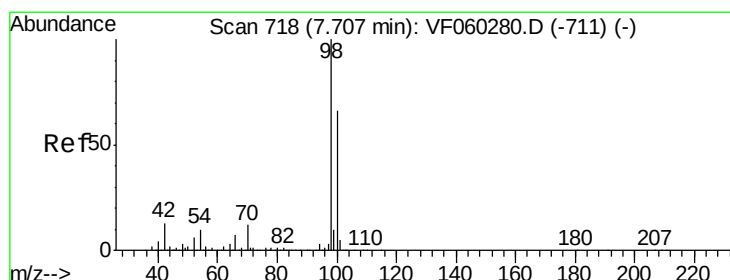
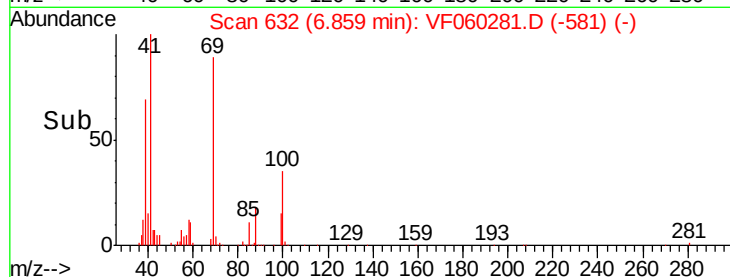
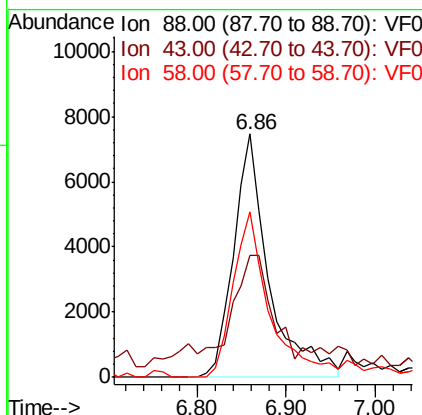
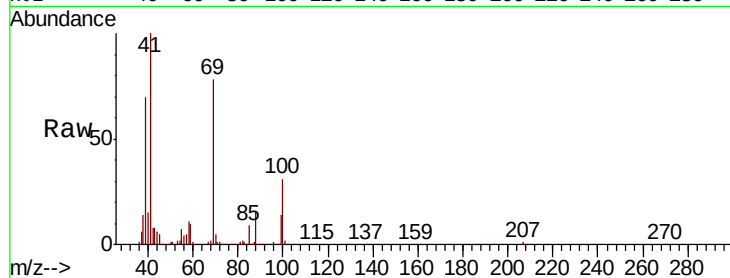
#49
1,4-Dioxane
Concen: 1151.24 ug/l
RT: 6.86 min Scan# 632
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
88	100	20582		
43	50.2		40.2	60.4
58	67.8		56.7	85.1

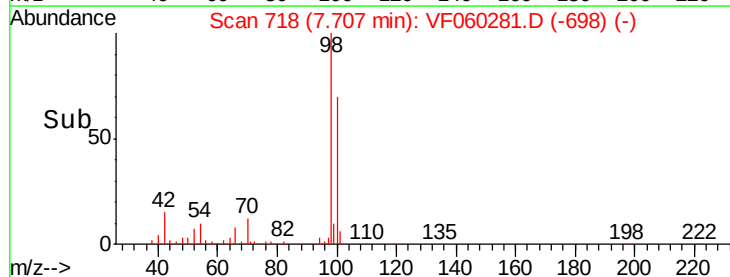
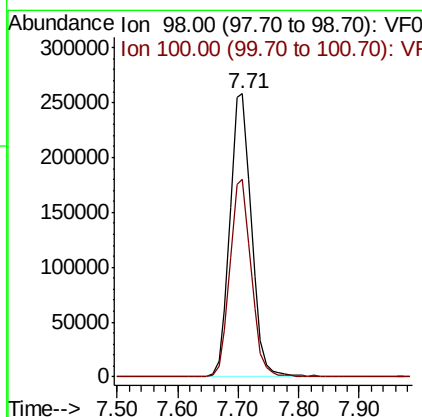
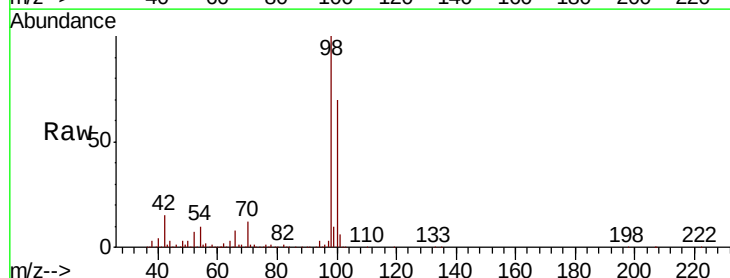
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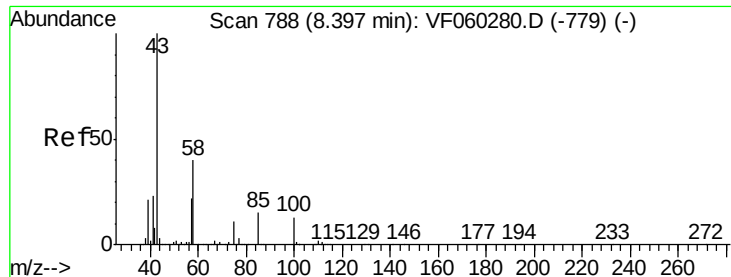
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#50
Toluene-d8
Concen: 61.60 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	641567		
100	69.8		53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 357.00 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 784394

Ion Ratio Lower Upper

43 100

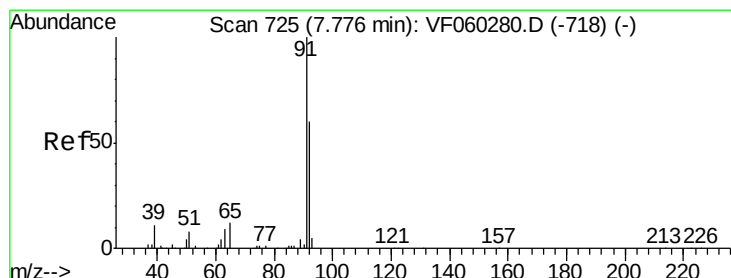
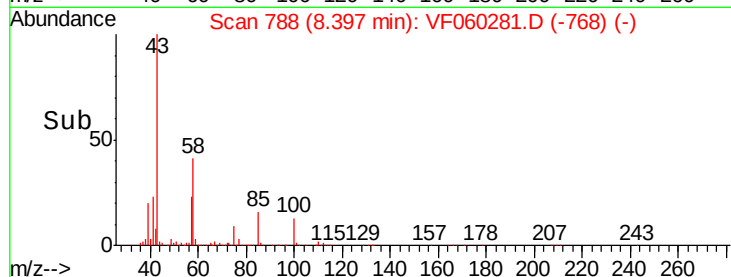
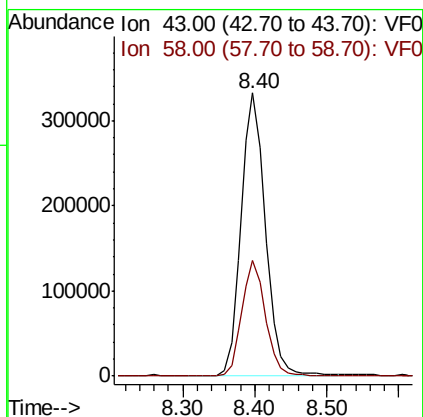
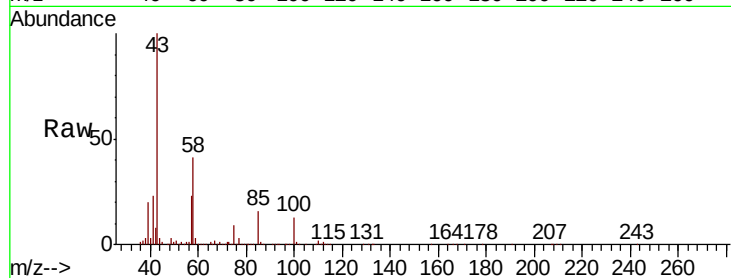
58 40.7 31.8 47.8

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#52

Toluene

Concen: 66.15 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060281.D

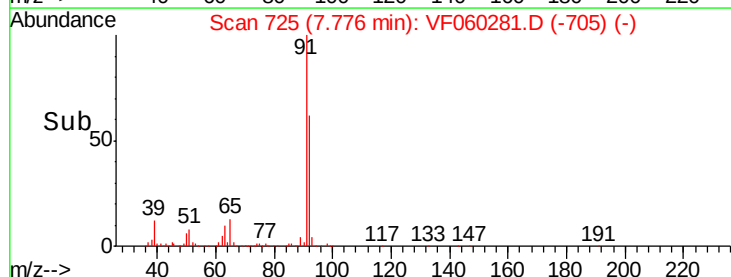
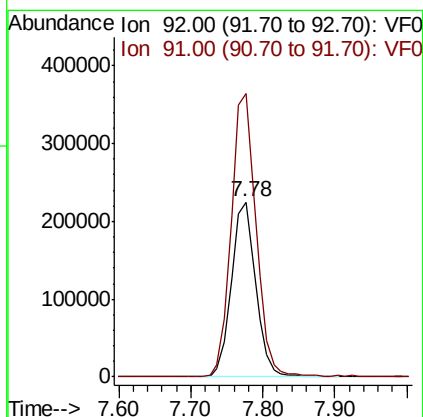
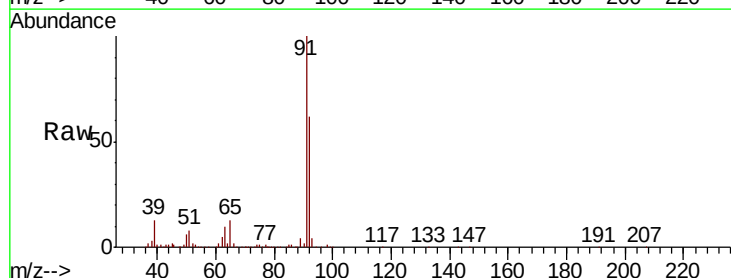
Acq: 19 Sep 2018 14:42

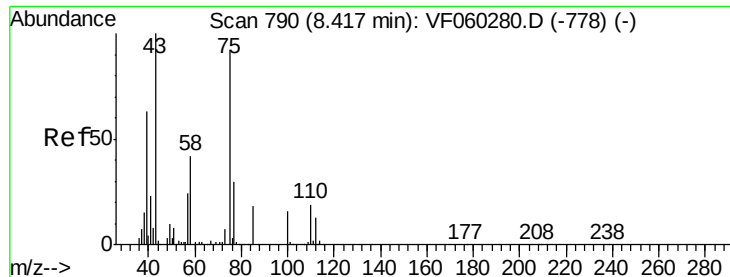
Tgt Ion: 92 Resp: 531050

Ion Ratio Lower Upper

92 100

91 162.1 133.3 199.9





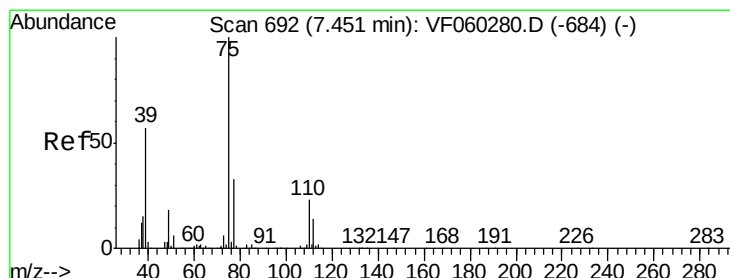
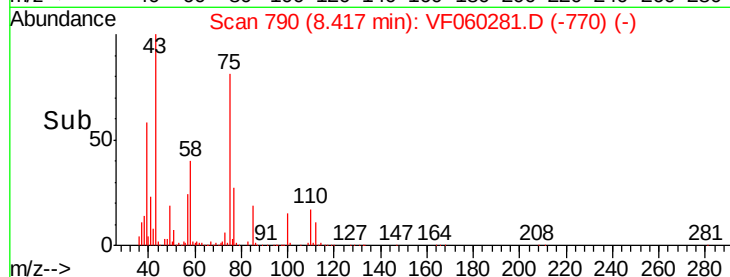
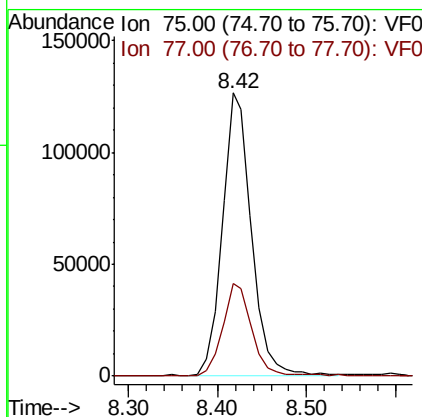
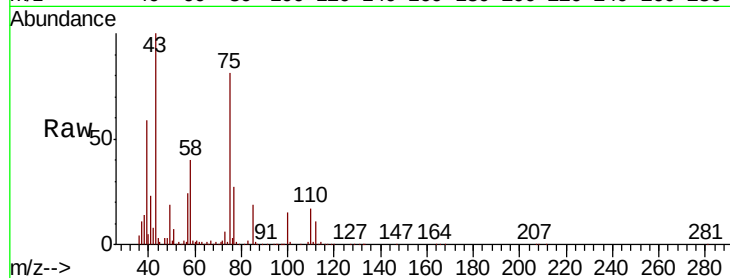
#53
t-1,3-Dichloropropene
Concen: 63.23 ug/l
RT: 8.42 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.9	38.9

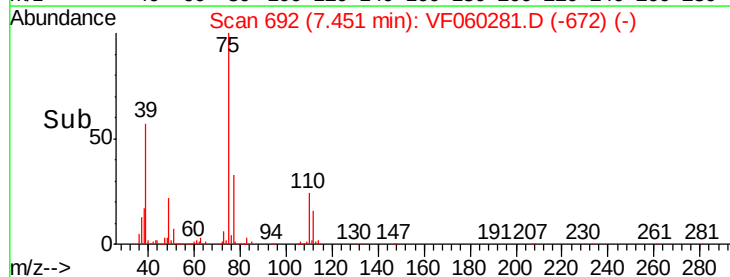
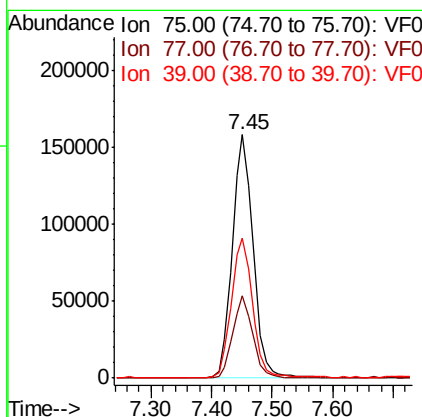
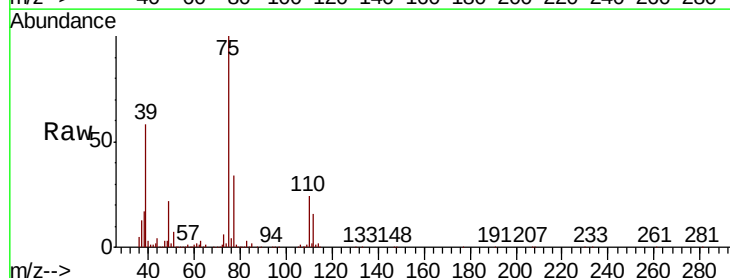
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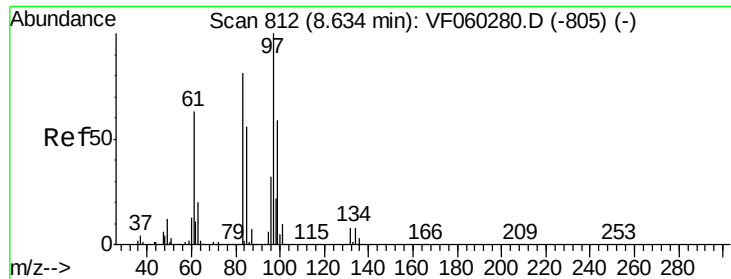
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#54
cis-1,3-Dichloropropene
Concen: 66.09 ug/l
RT: 7.45 min Scan# 692
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.6	26.3	39.5
39	57.6	46.1	69.1





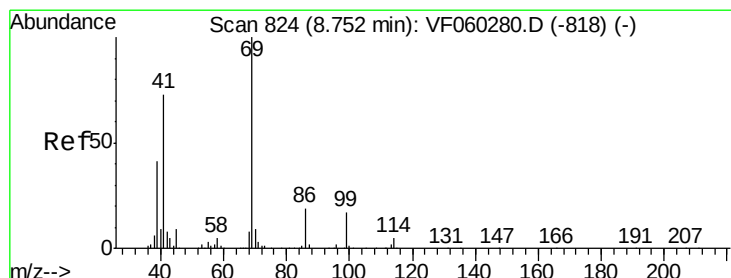
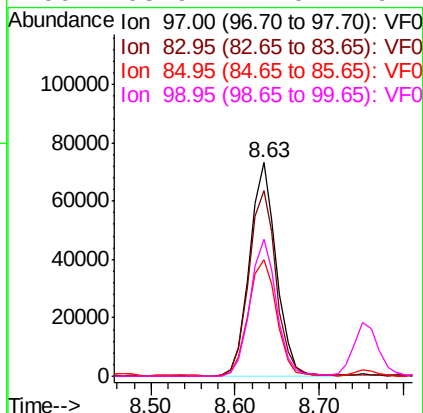
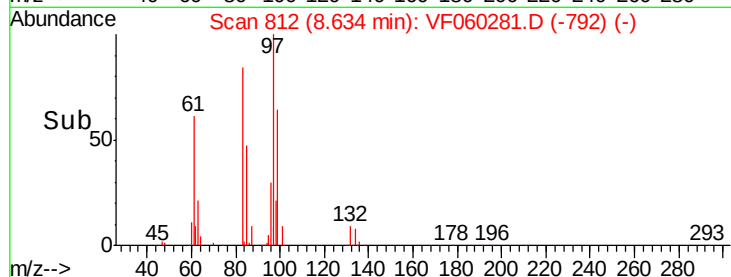
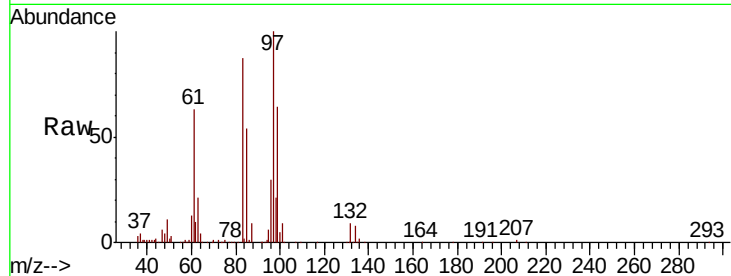
#55
 1,1,2-Trichloroethane
 Concen: 67.15 ug/l
 RT: 8.63 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:	97	Resp:	163624
Ion	Ratio	Lower	Upper
97	100		
83	86.7	65.3	97.9
85	54.4	44.7	67.1
99	63.9	47.0	70.4

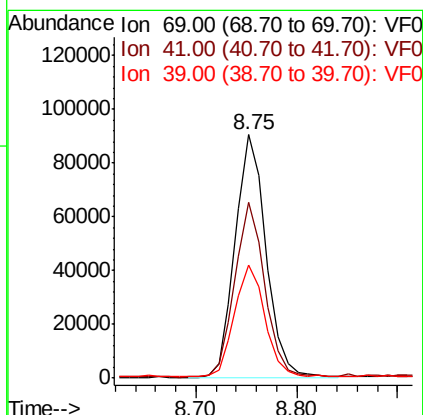
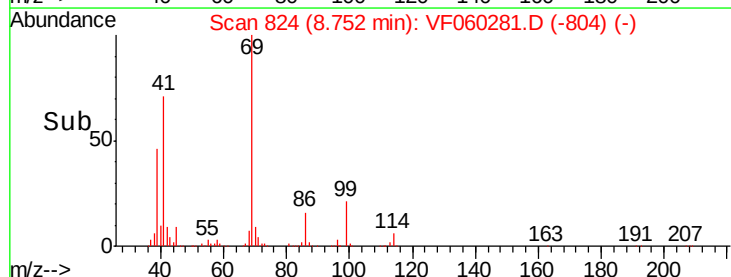
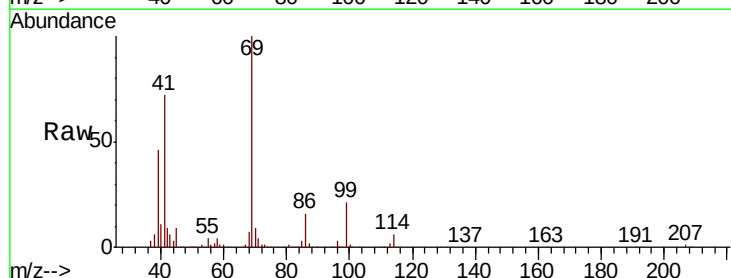
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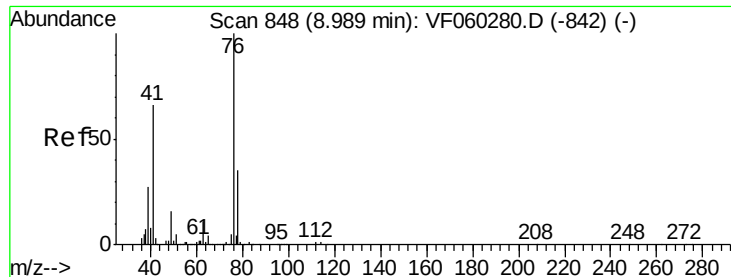
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#56
 Ethyl methacrylate
 Concen: 65.74 ug/l
 RT: 8.75 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion:	69	Resp:	193442
Ion	Ratio	Lower	Upper
69	100		
41	72.3	59.4	89.2
39	46.5	33.5	50.3





#57

1,3-Dichloropropane

Concen: 67.18 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tot Ion: 76 Resp: 271037

Ion Ratio Lower Upper

76 100

78 33.5 28.2 42.2

Instrument :

MSVOA_F

ClientSampleId :

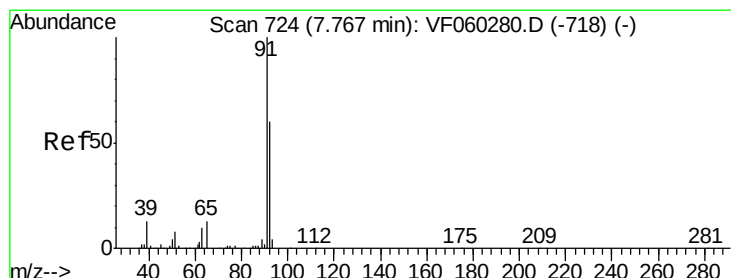
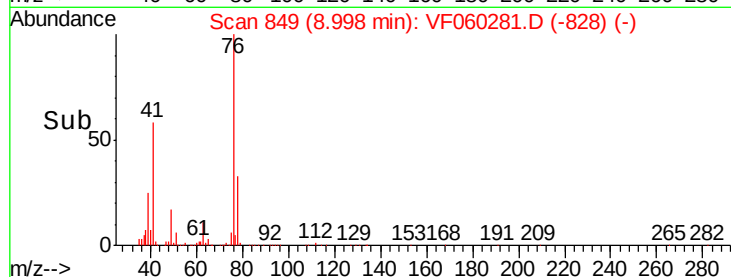
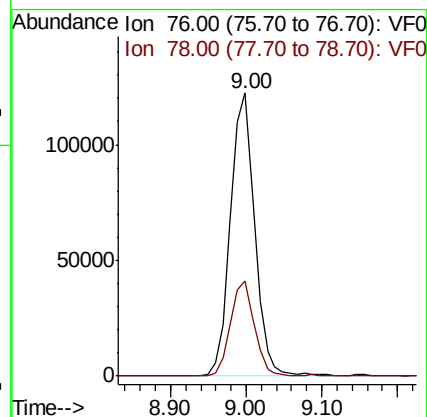
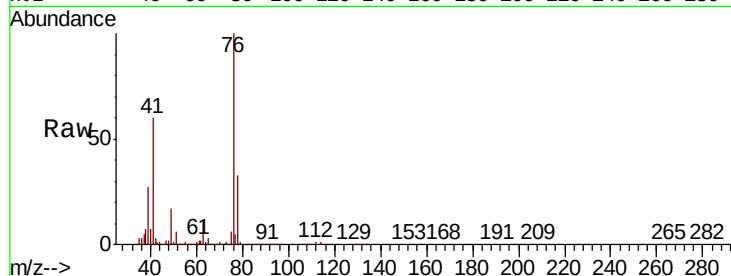
VSTDIC075

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#58

2-Chloroethyl Vinyl ether

Concen: 318.16 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.01 min

Lab File: VF060281.D

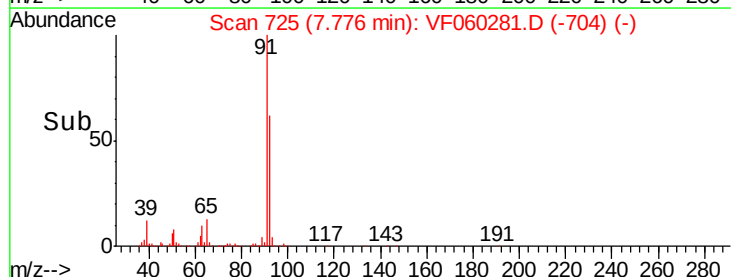
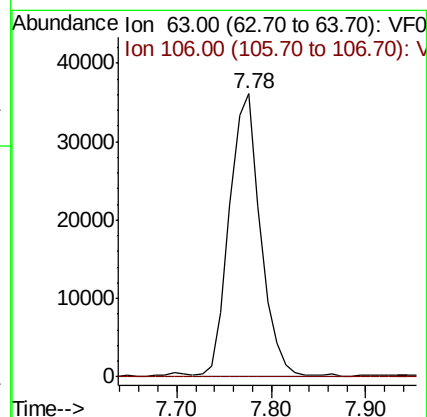
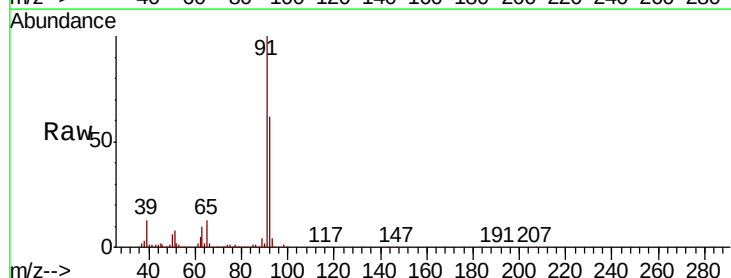
Acq: 19 Sep 2018 14:42

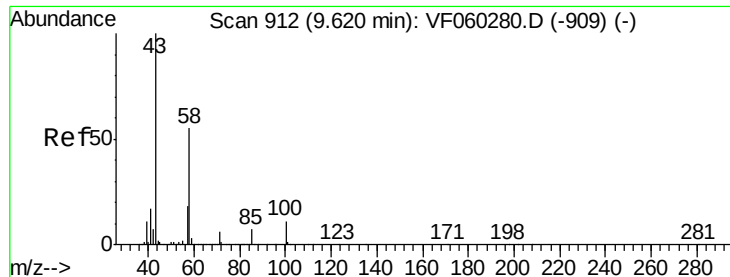
Tgt Ion: 63 Resp: 82767

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





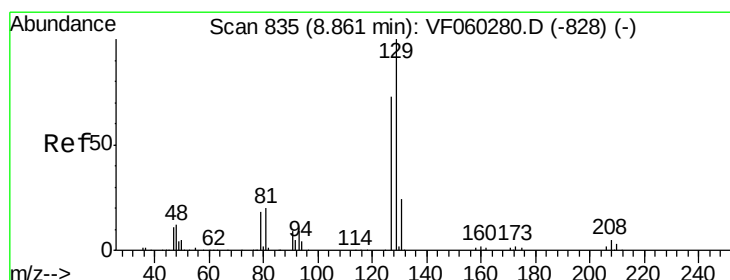
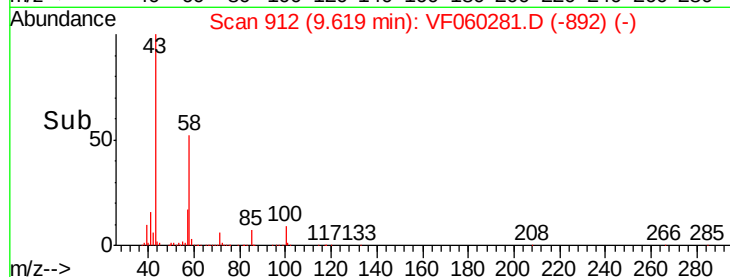
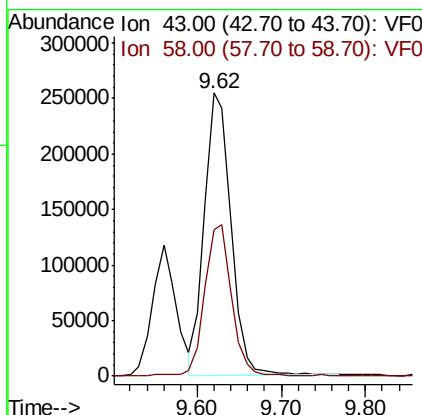
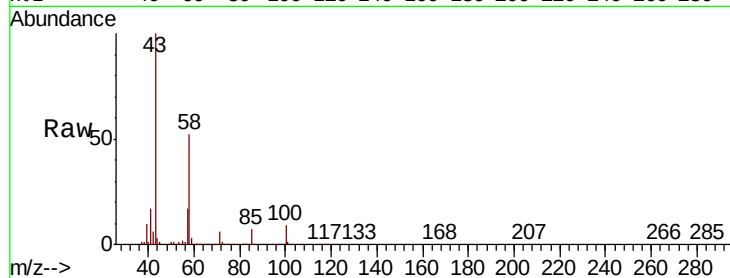
#59
2-Hexanone
Concen: 355.30 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 555829
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.6

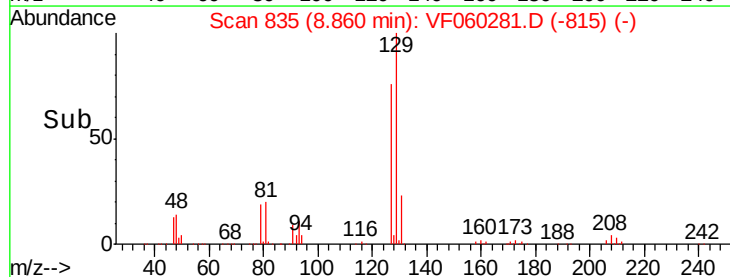
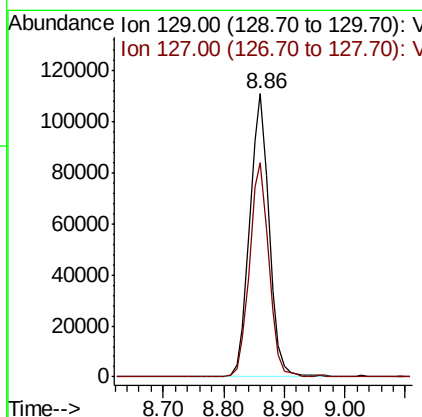
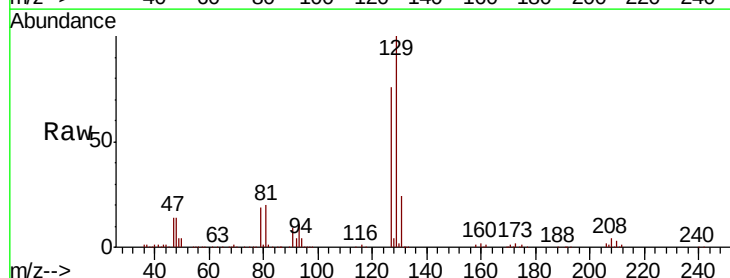
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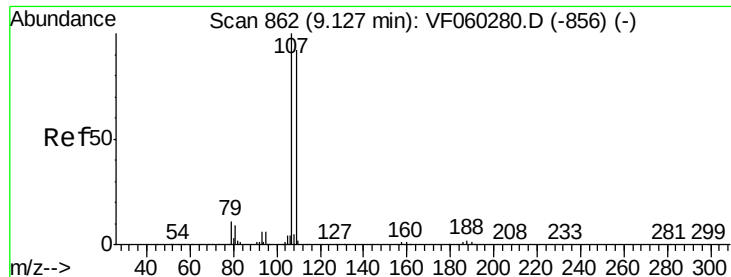
apatel
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#60
Dibromochloromethane
Concen: 68.25 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion: 129 Resp: 247856
Ion Ratio Lower Upper
129 100
127 75.9 36.6 109.8





#61

1,2-Dibromoethane

Concen: 66.05 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:107 Resp: 179198

Ion Ratio Lower Upper

107 100

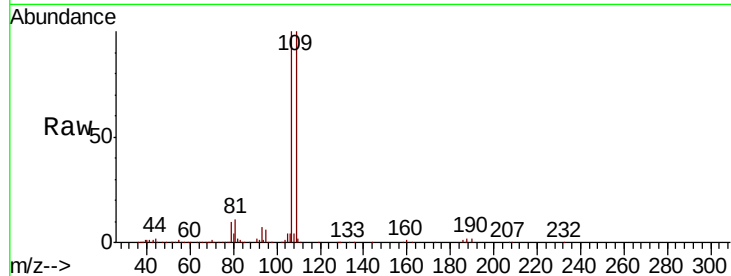
109 99.6 73.2 109.8

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

80000

60000

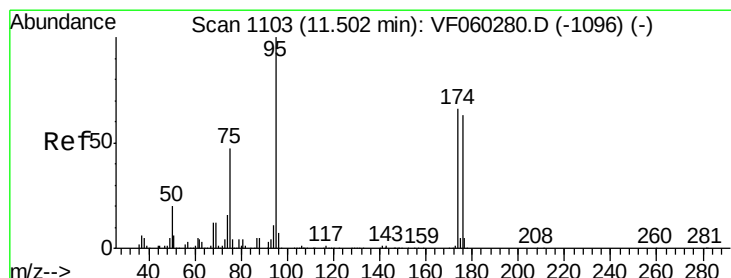
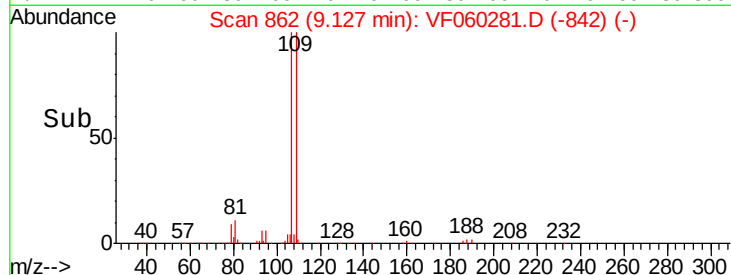
40000

20000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 60.66 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

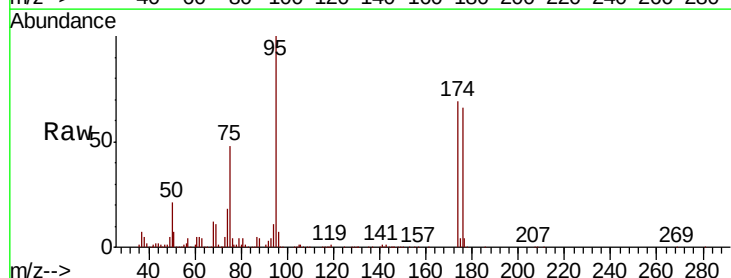
Tgt Ion: 95 Resp: 273098

Ion Ratio Lower Upper

95 100

174 68.6 0.0 131.2

176 65.7 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

200000

150000

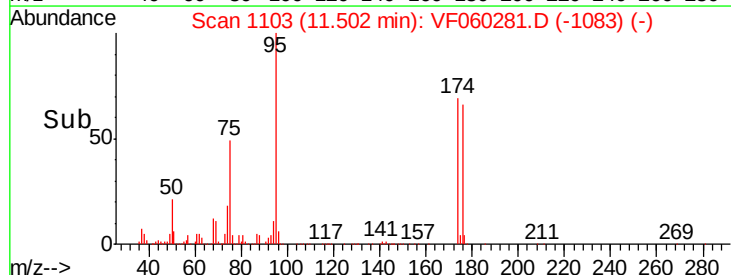
100000

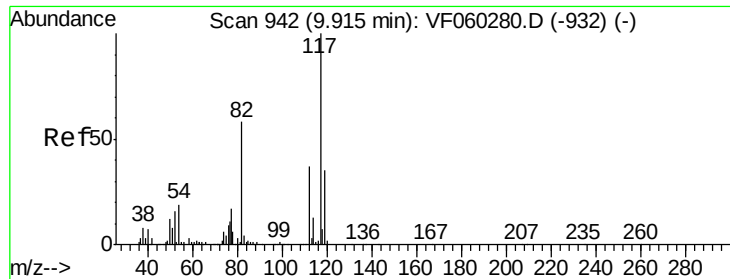
50000

0

11.40 11.50 11.60 11.70

Time-->





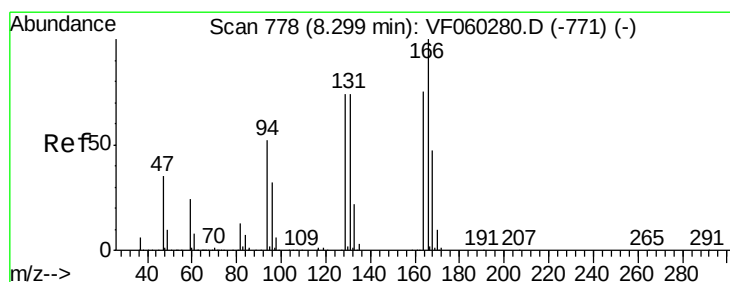
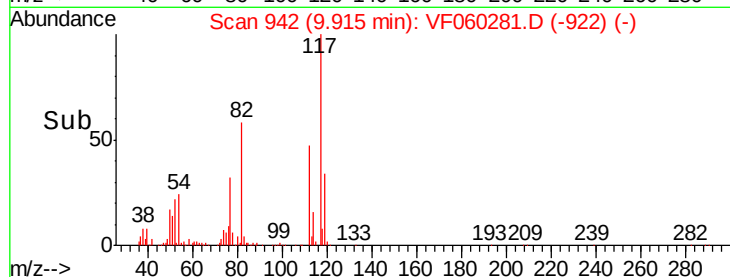
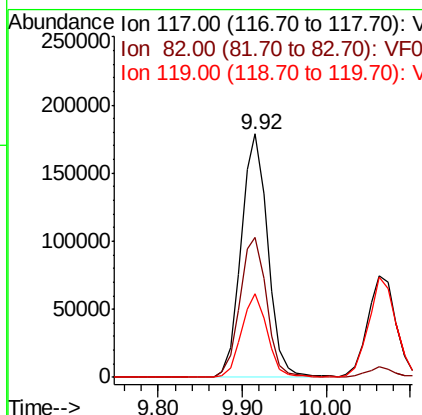
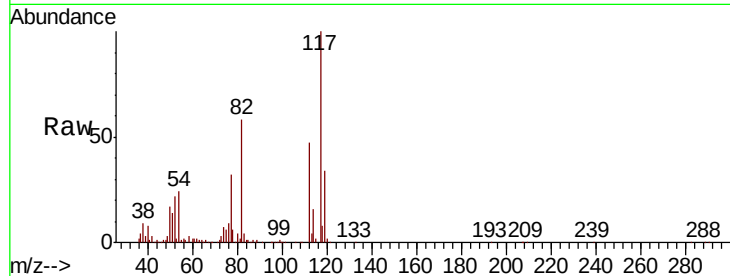
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
117	100	394556		
82	57.7	46.2	69.2	
119	34.3	27.8	41.6	

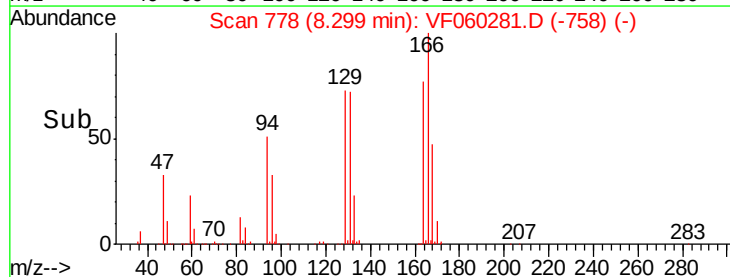
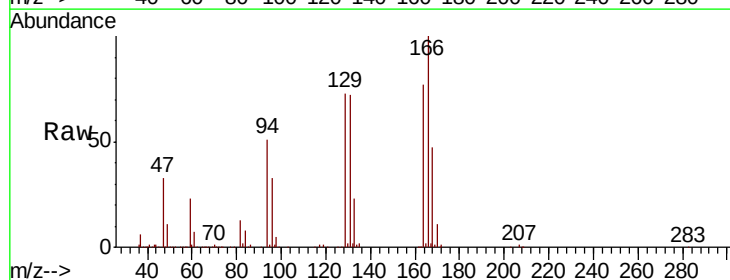
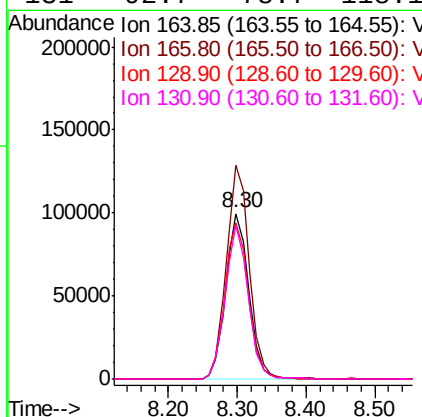
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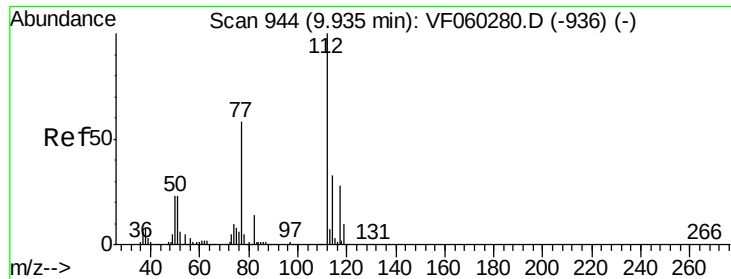
apatel
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#64
Tetrachloroethene
Concen: 64.71 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	231451		
166	129.2	106.8	160.2	
129	94.5	78.8	118.2	
131	92.7	78.7	118.1	





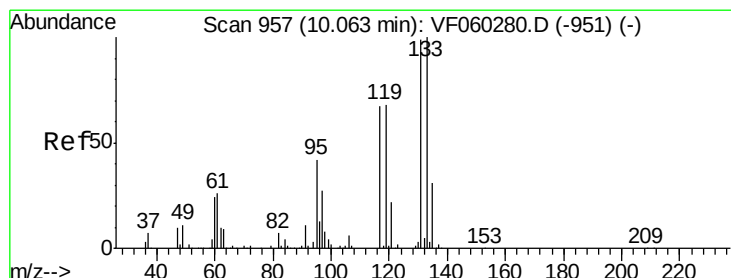
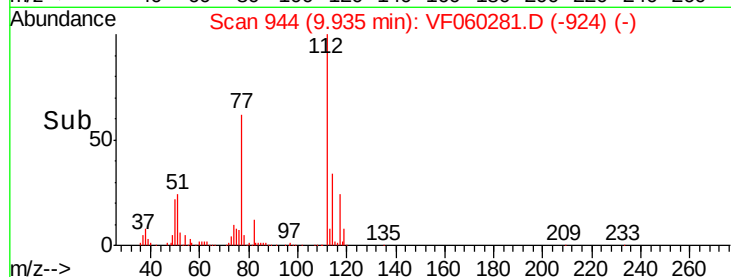
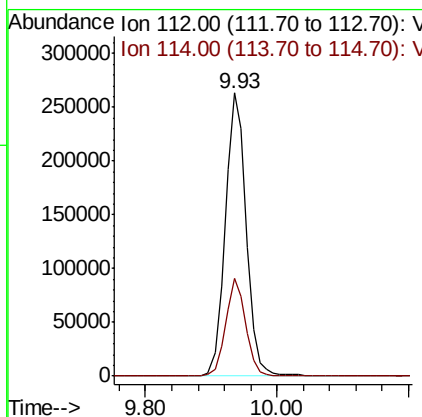
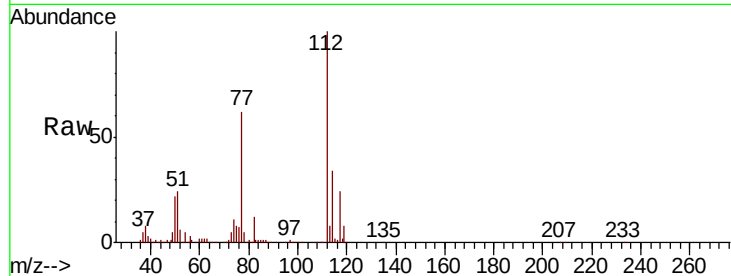
#65
Chlorobenzene
Concen: 65.42 ug/l
RT: 9.93 min Scan# 944
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.5	26.6	40.0

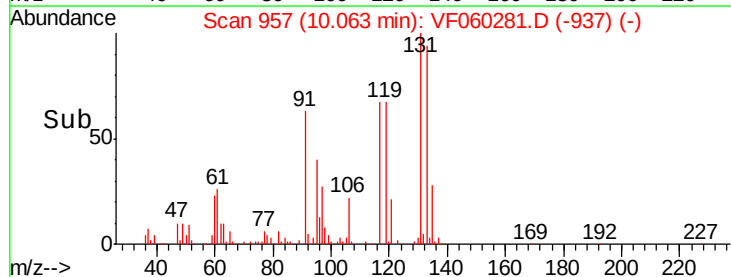
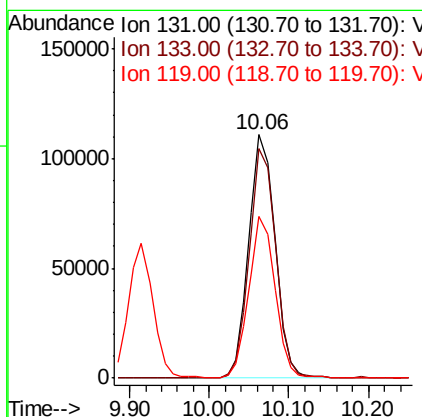
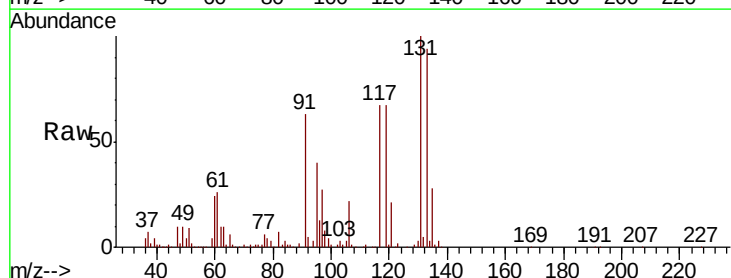
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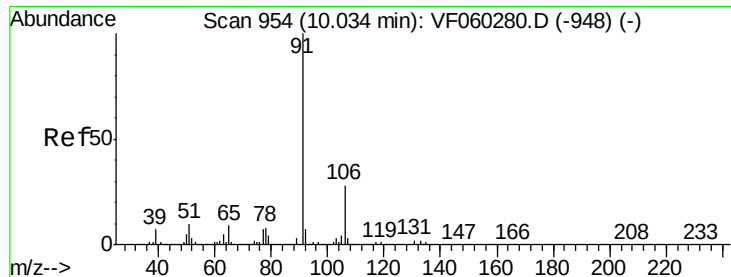
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#66
1,1,1,2-Tetrachloroethane
Concen: 67.95 ug/l
RT: 10.06 min Scan# 957
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	50.4	151.2
119	66.6	34.8	104.3





#67

Ethyl Benzene

Concen: 63.88 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 1056141

Ion Ratio Lower Upper

91 100

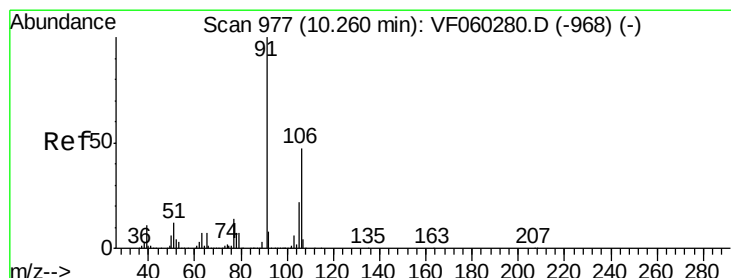
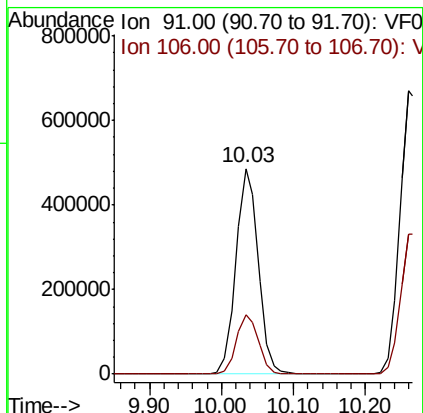
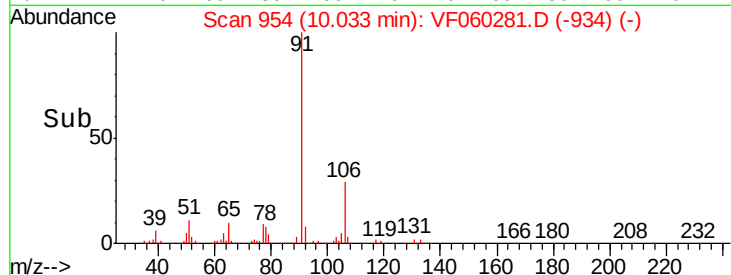
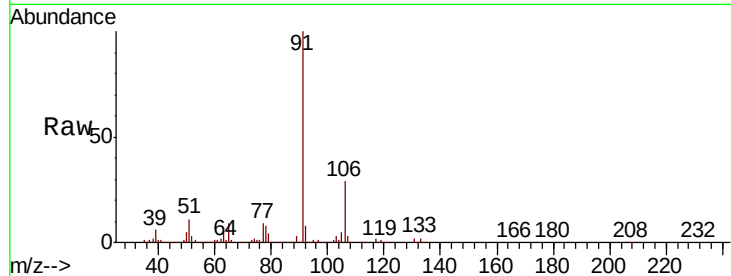
106 28.7 22.7 34.1

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#68

m/p-Xylenes

Concen: 130.63 ug/l

RT: 10.27 min Scan# 978

Delta R.T. 0.01 min

Lab File: VF060281.D

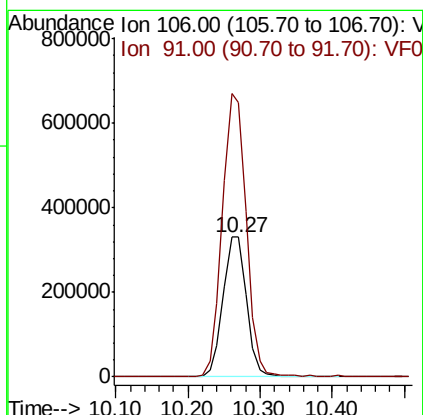
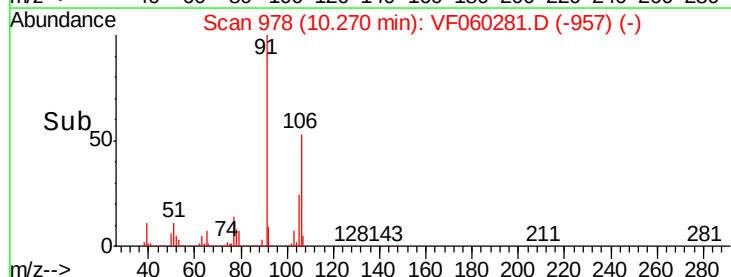
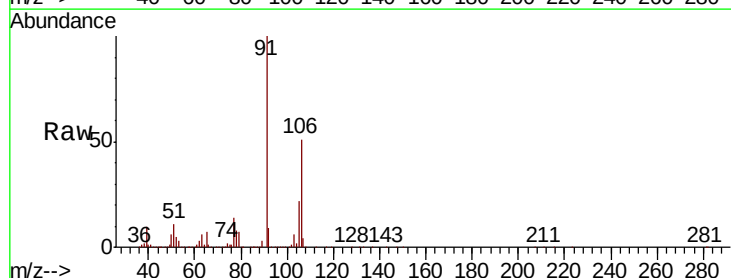
Acq: 19 Sep 2018 14:42

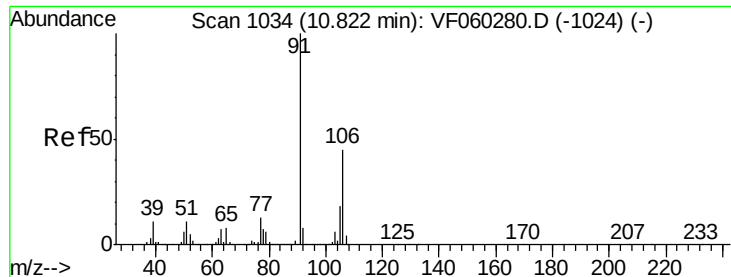
Tgt Ion: 106 Resp: 746195

Ion Ratio Lower Upper

106 100

91 196.8 172.3 258.5





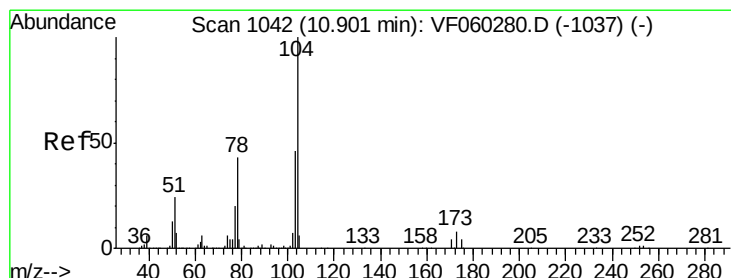
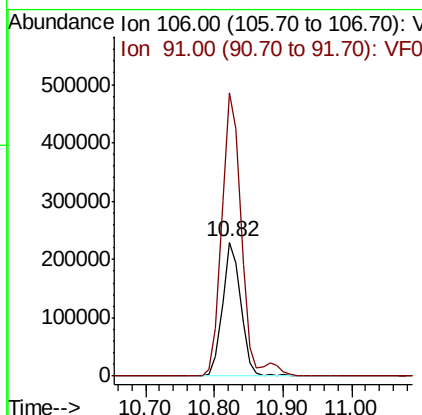
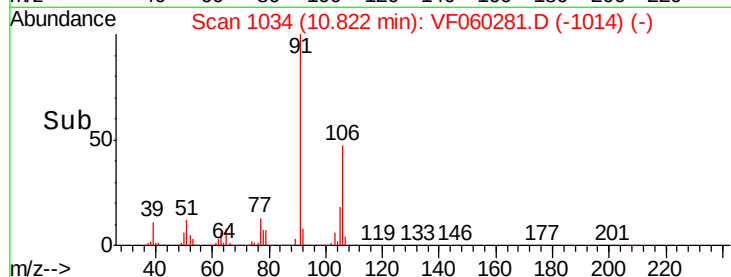
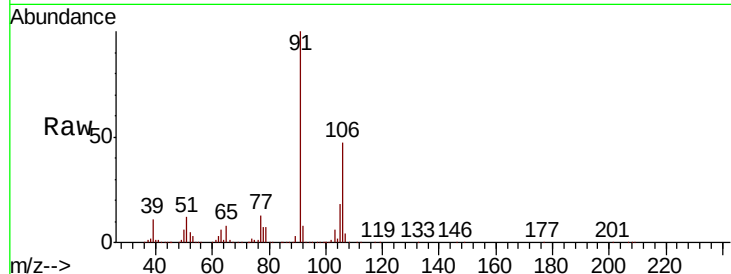
#69
o-Xylene
Concen: 66.06 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	210.9	110.9	332.6	

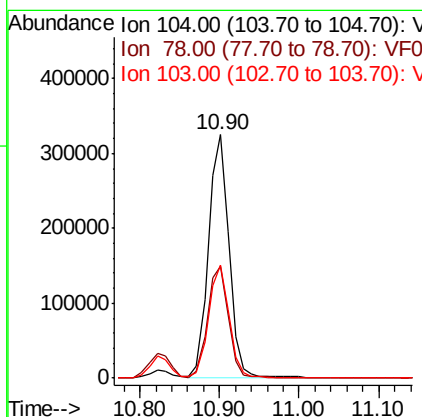
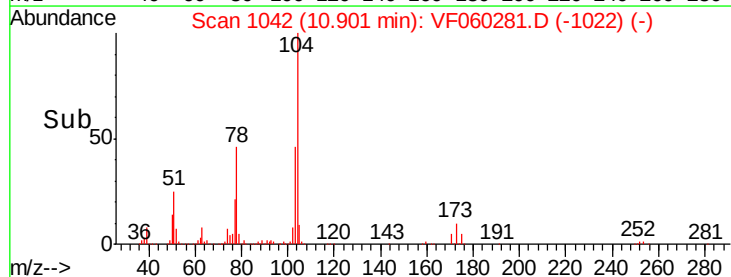
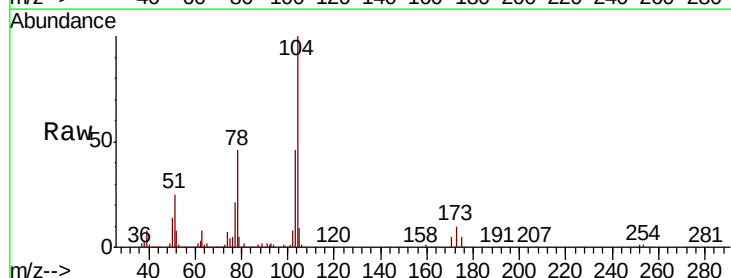
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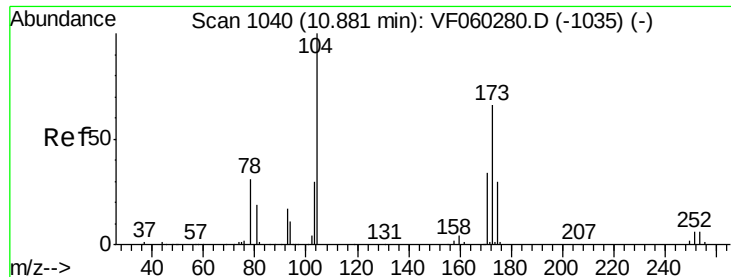
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#70
Styrene
Concen: 65.06 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	45.8	35.0	52.6	
103	46.4	37.4	56.0	





#71

Bromoform

Concen: 66.55 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

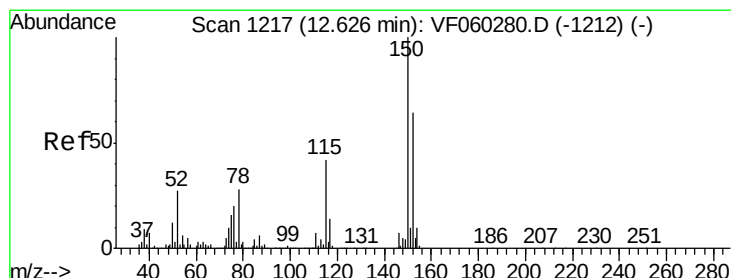
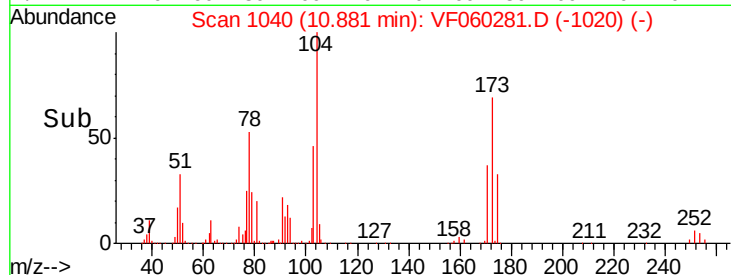
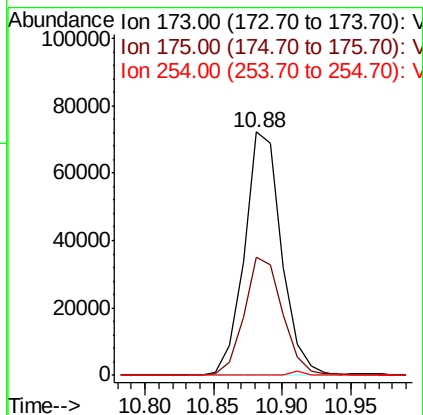
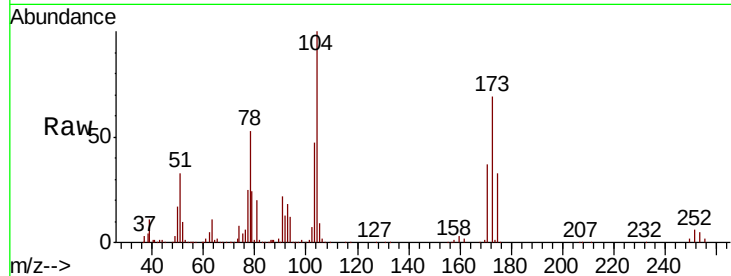
VSTDIC075

Tot Ion:	173	Resp:	135641
Ion Ratio	Lower	Upper	
173	100		
175	48.9	22.3	66.9
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

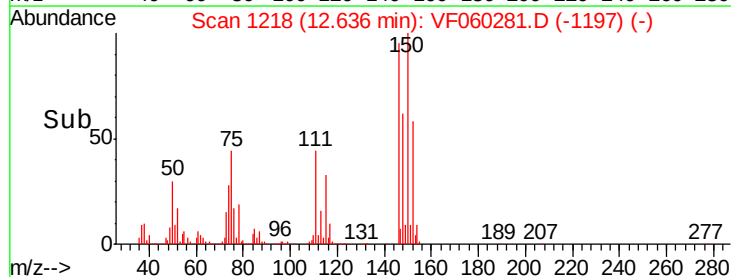
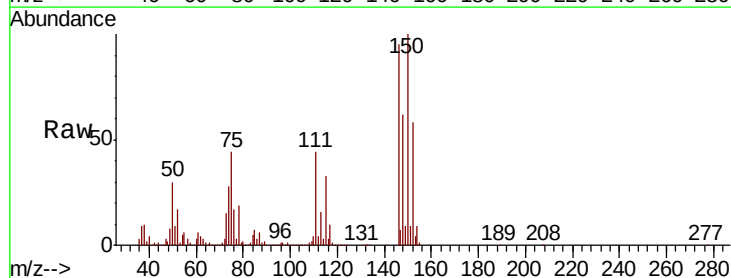
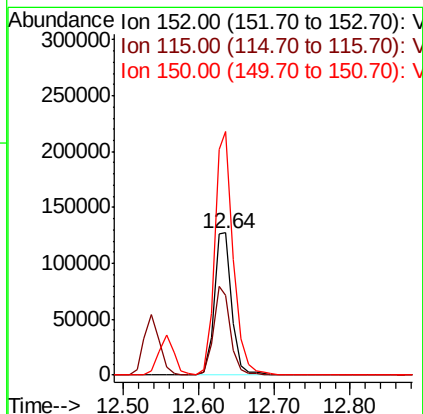
RT: 12.64 min Scan# 1218

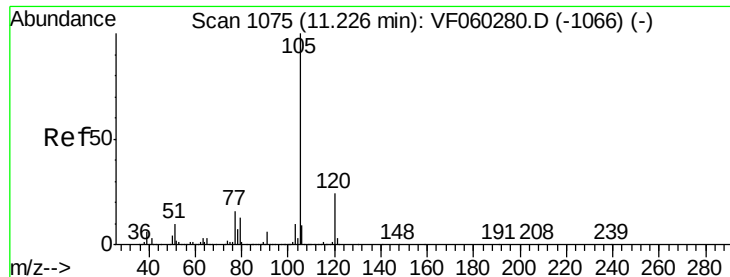
Delta R.T. 0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion:	152	Resp:	208412
Ion Ratio	Lower	Upper	
152	100		
115	56.6	32.6	97.8
150	171.6	0.0	314.2





#73

Isopropylbenzene

Concen: 63.32 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 1184698

Ion Ratio Lower Upper

105 100

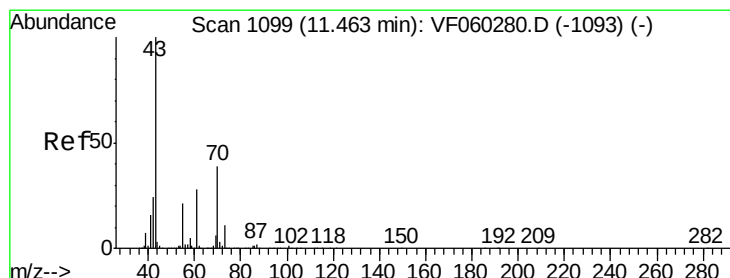
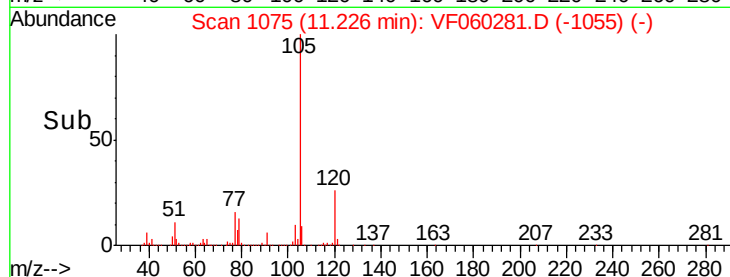
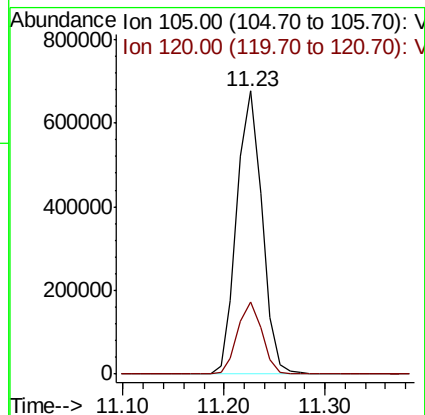
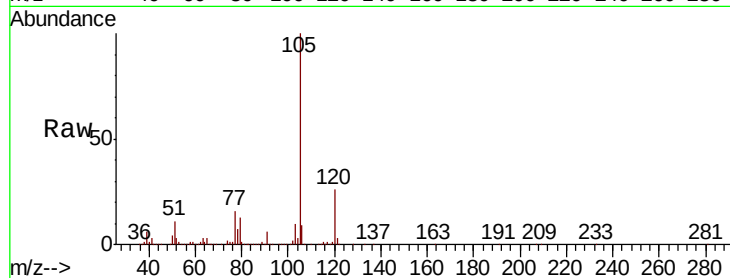
120 25.6 12.2 36.6

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#74

N-ethyl acetate

Concen: 65.76 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion: 43 Resp: 262347

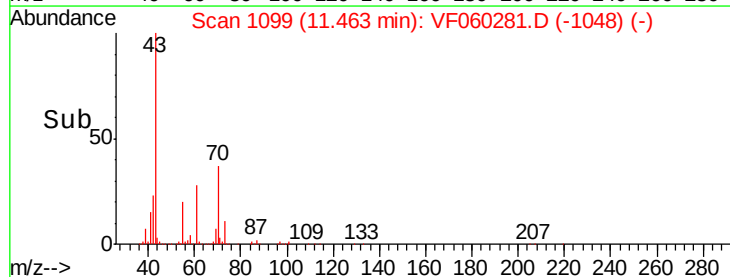
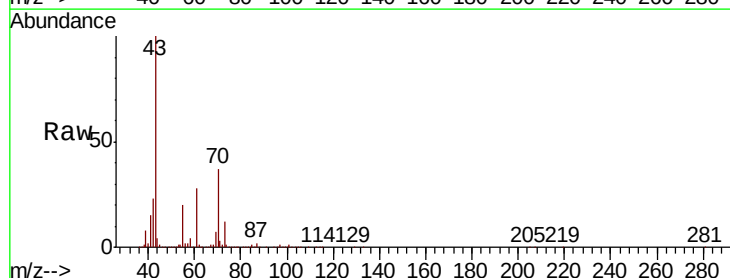
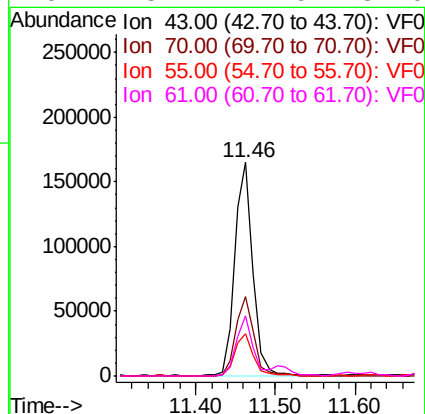
Ion Ratio Lower Upper

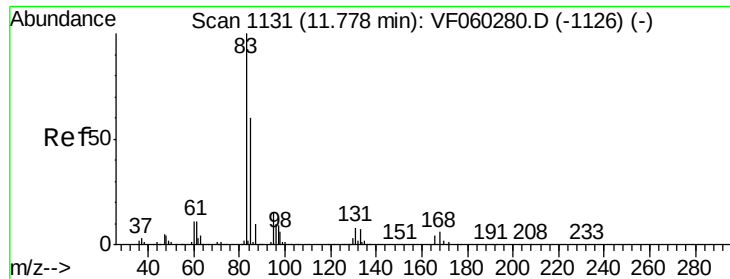
43 100

70 37.4 31.4 47.2

55 19.9 16.8 25.2

61 28.4 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 64.32 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

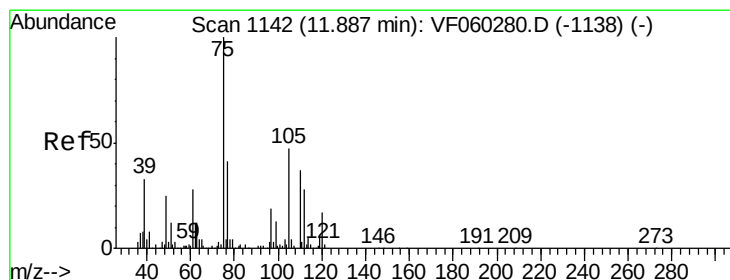
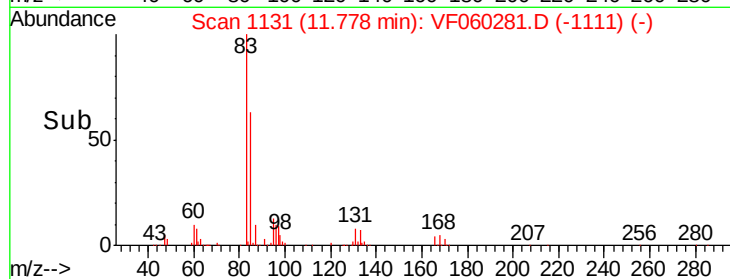
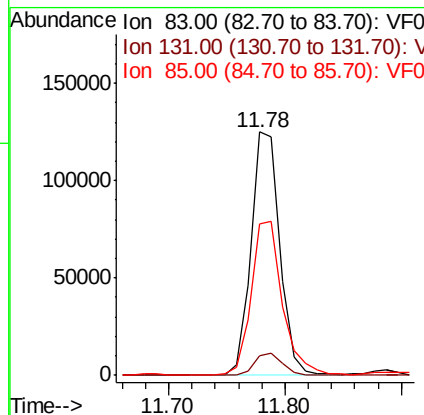
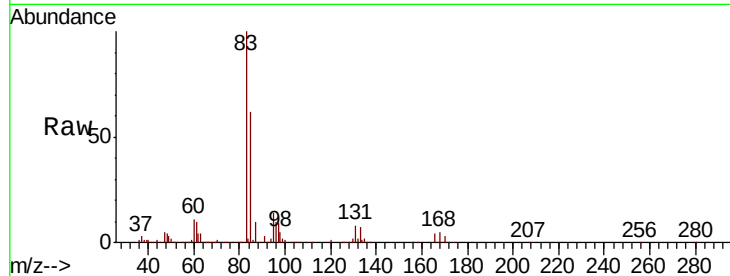
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	213261
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.2	12.4
85	62.4	30.1	90.5

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#76

1,2,3-Trichloropropane

Concen: 61.24 ug/l

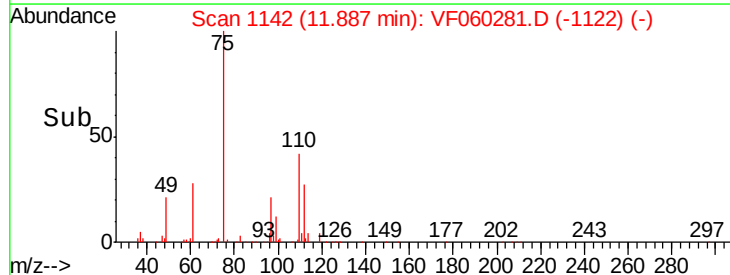
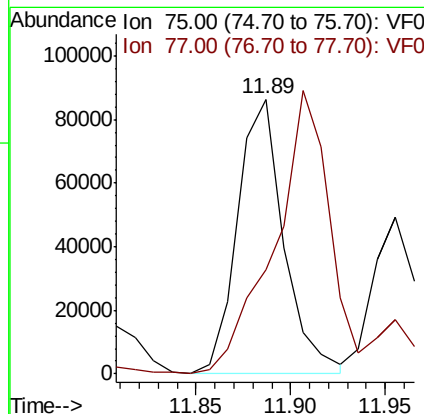
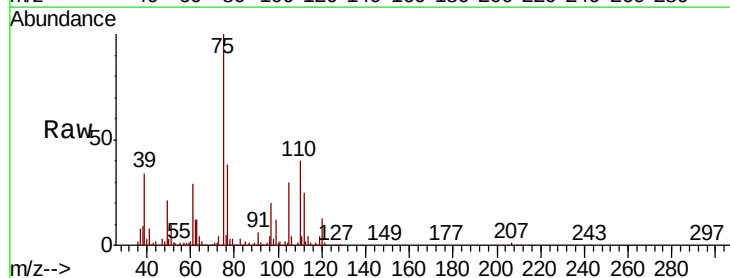
RT: 11.89 min Scan# 1142

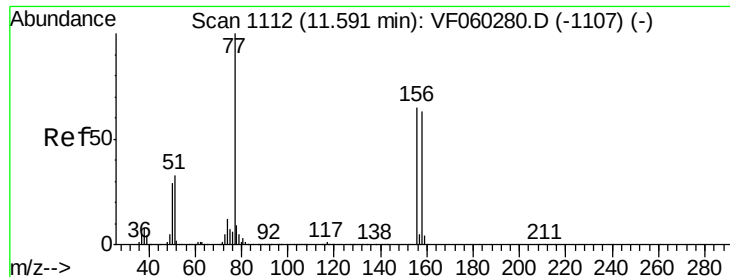
Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion:	75	Resp:	145398
Ion Ratio	Lower	Upper	
75	100		
77	38.0	20.5	61.5





#77

Bromobenzene

Concen: 63.20 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

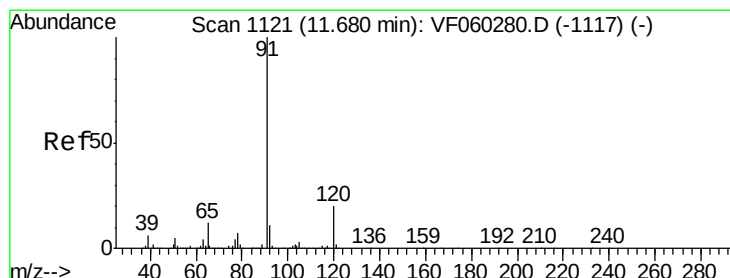
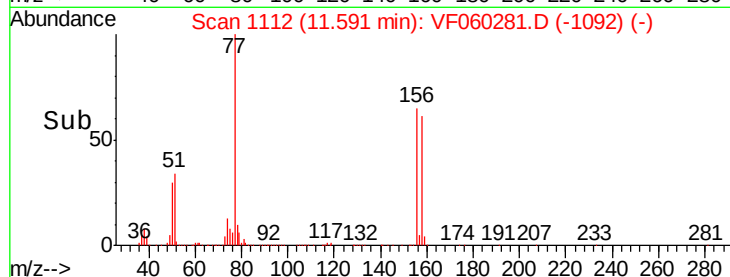
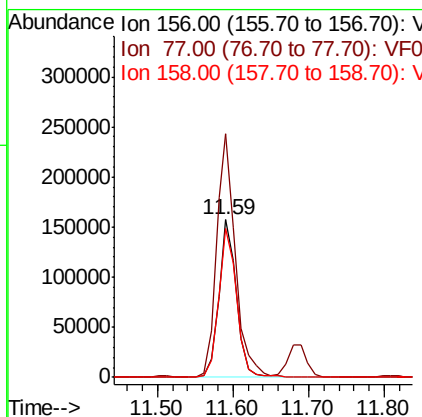
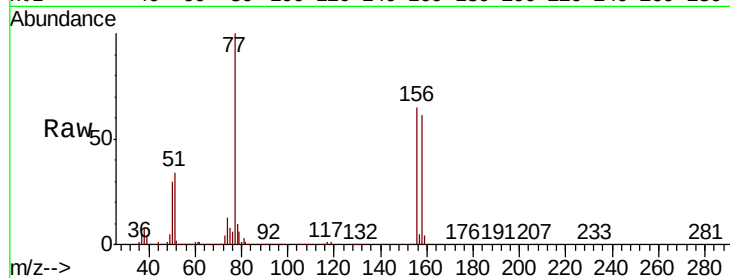
ClientSampleId :

VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	154.5	77.3	232.1	
158	94.8	48.4	145.2	

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#78

n-propylbenzene

Concen: 61.62 ug/l

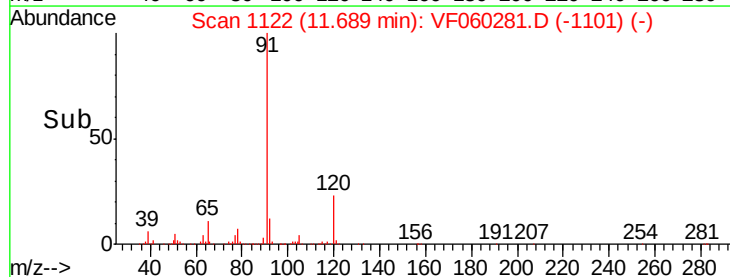
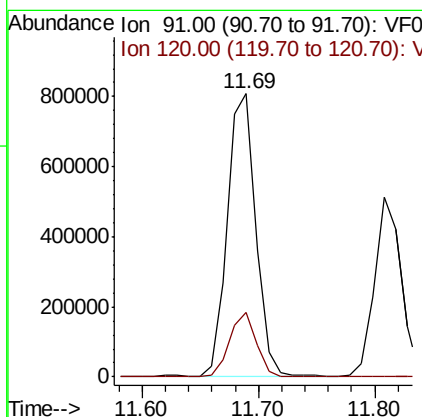
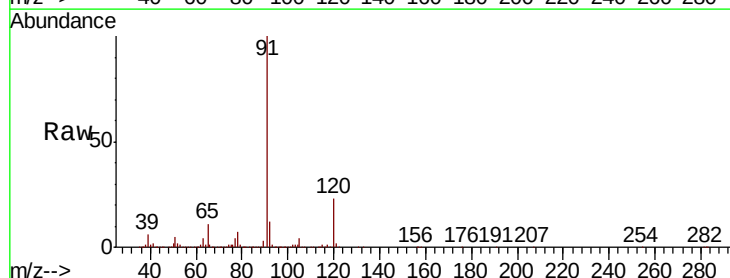
RT: 11.69 min Scan# 1122

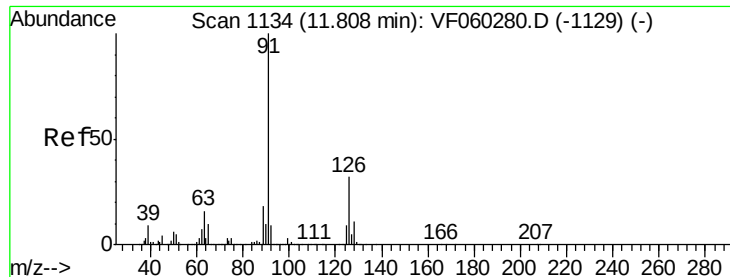
Delta R.T. 0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.9	10.0	29.8	





#79

2-Chlorotoluene

Concen: 63.94 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 806939

Ion Ratio Lower Upper

91 100

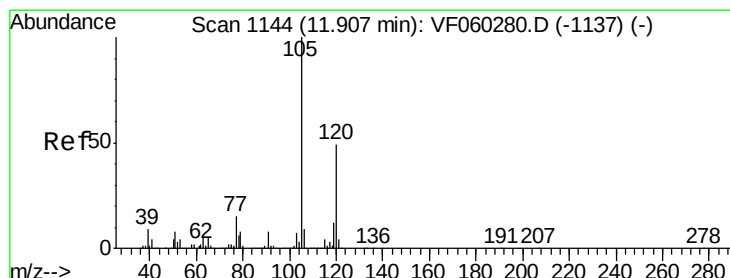
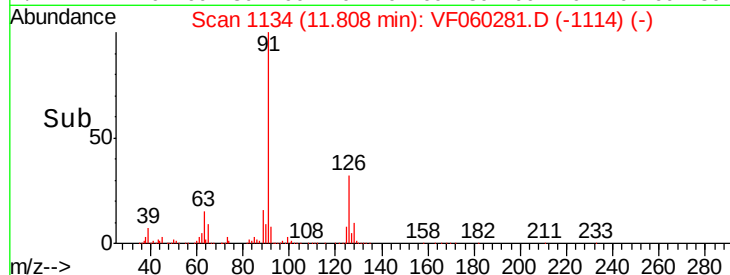
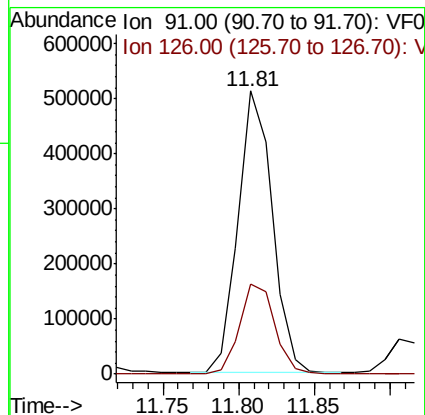
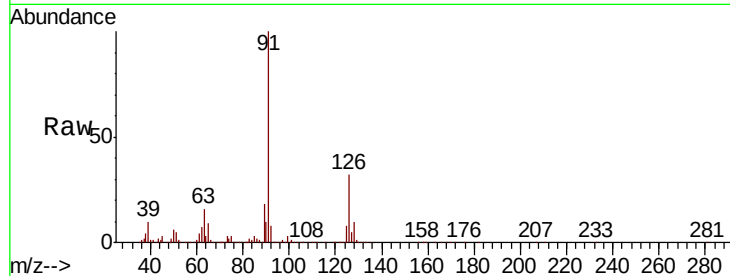
126 31.7 16.1 48.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 63.54 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060281.D

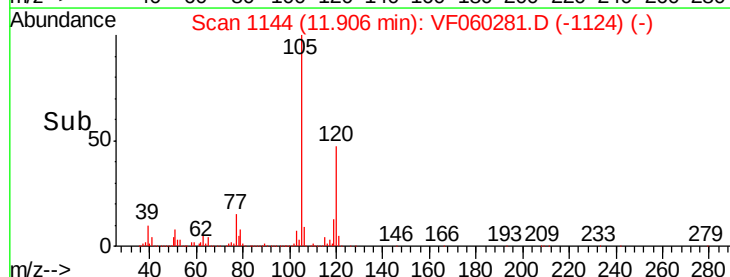
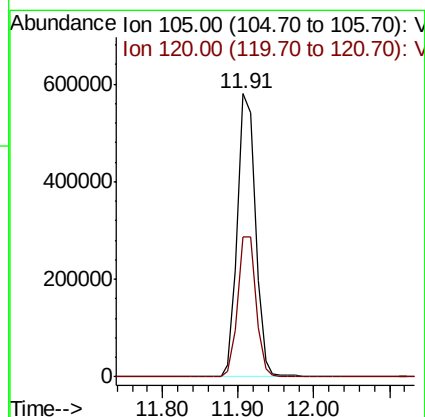
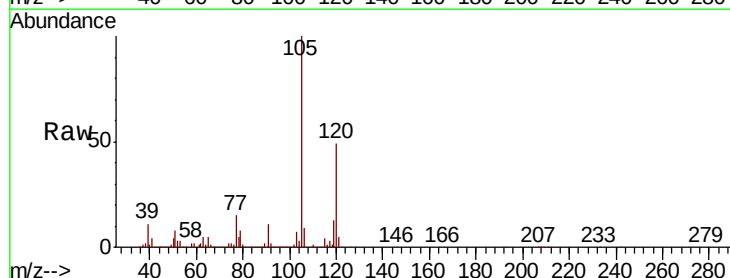
Acq: 19 Sep 2018 14:42

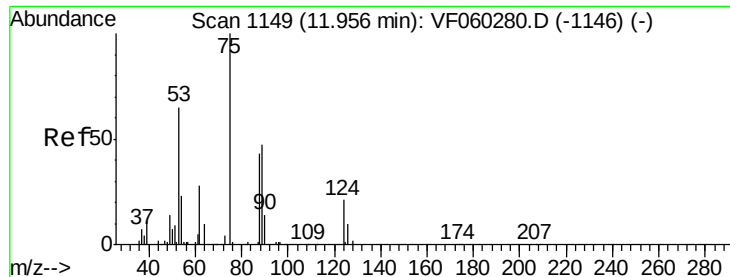
Tgt Ion: 105 Resp: 956920

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.10 ug/l m

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

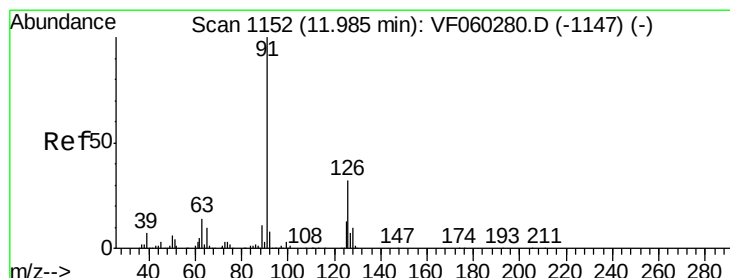
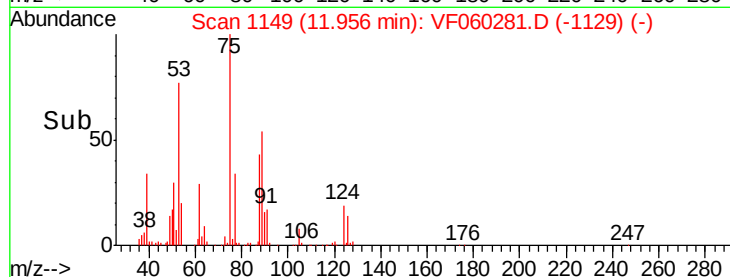
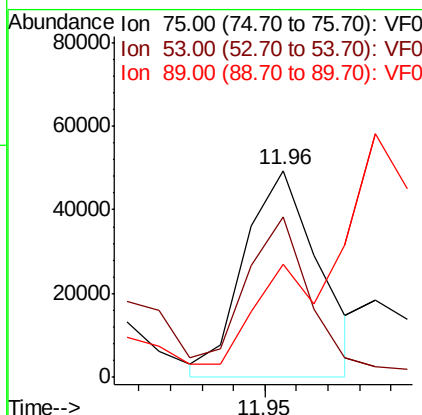
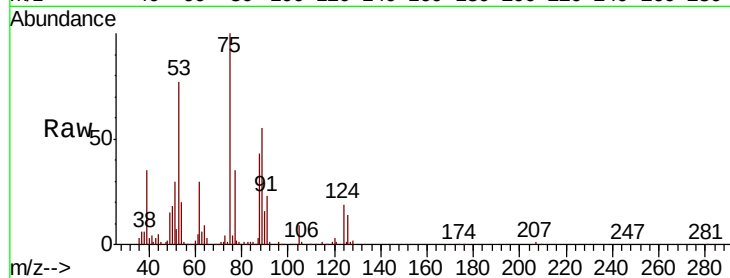
ClientSampleId :

VSTDIC075

Tot Ion:	75	Resp:	81234
Ion	Ratio	Lower	Upper
75	100		
53	77.2	56.5	84.7
89	54.7	40.6	60.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 65.12 ug/l

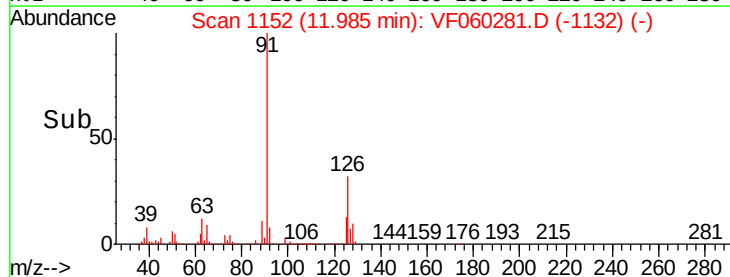
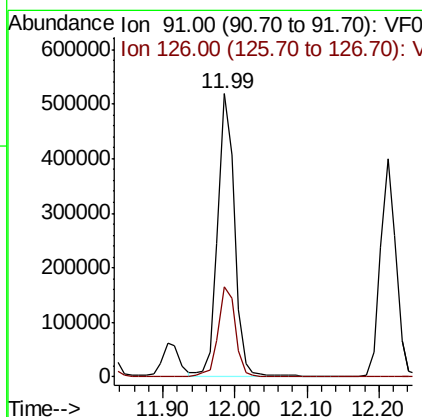
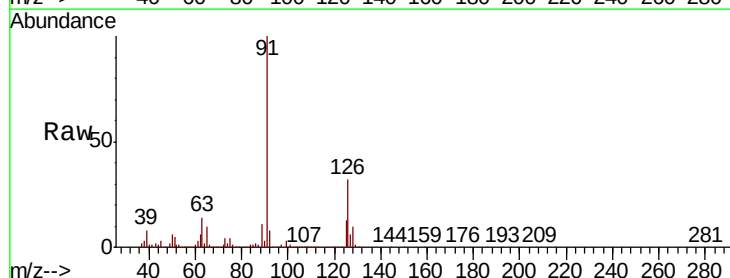
RT: 11.99 min Scan# 1152

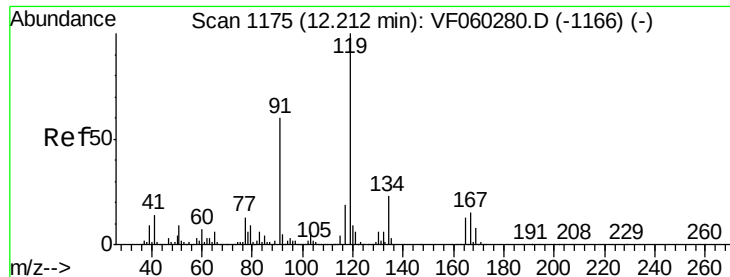
Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion:	91	Resp:	826090
Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.2





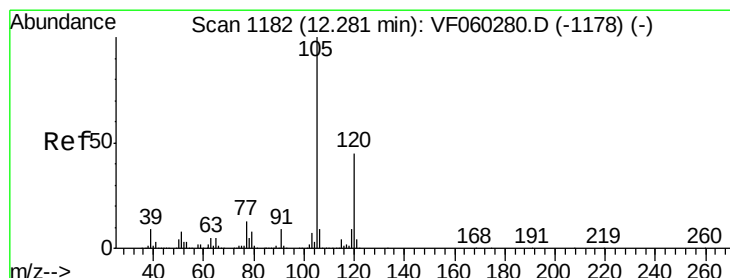
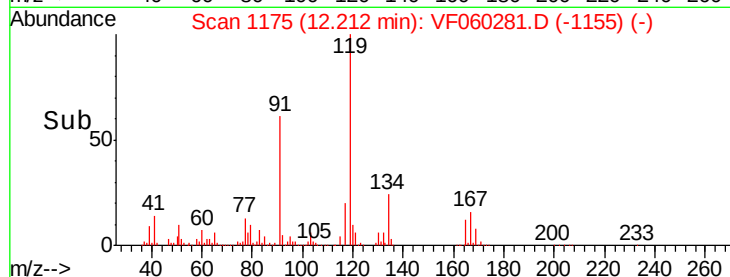
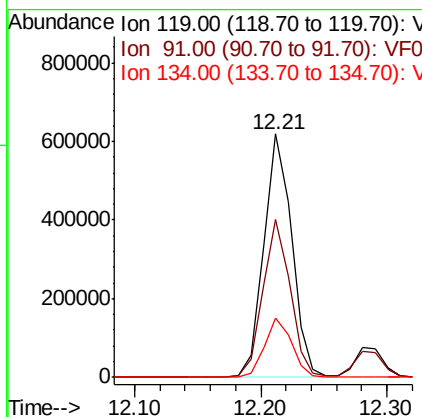
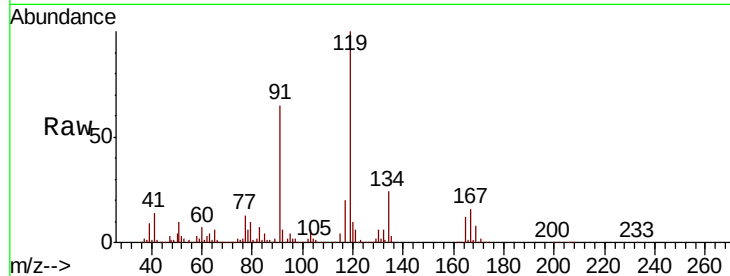
#83
 tert-Butylbenzene
 Concen: 63.06 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
119	100	962704		
91	64.6	30.3	91.0	
134	24.3	11.6	34.8	

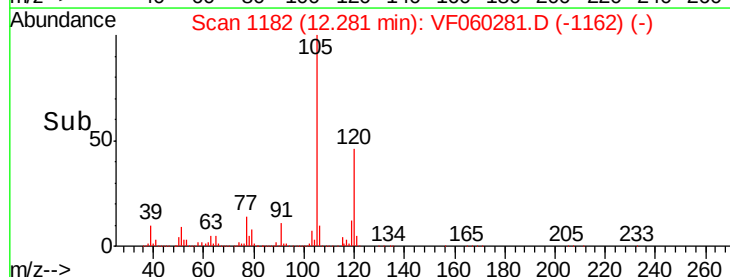
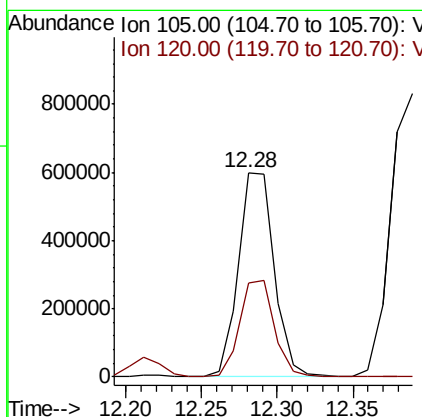
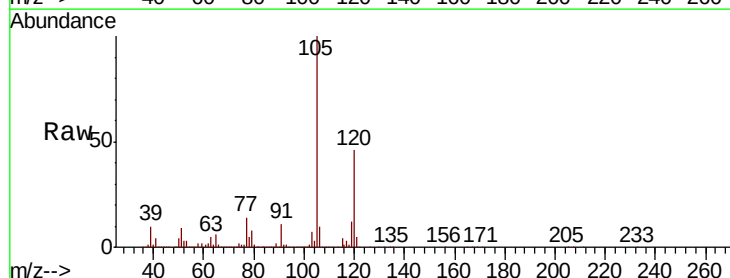
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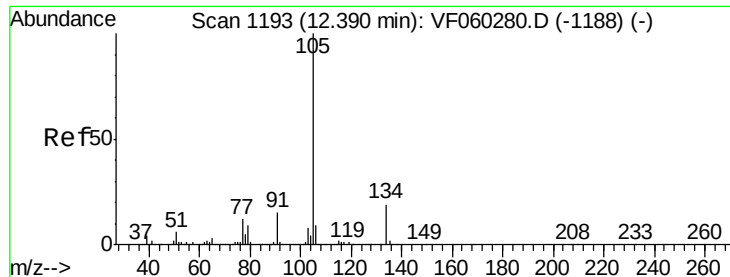
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#84
 1,2,4-Trimethylbenzene
 Concen: 64.47 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	985880		
120	46.1	22.4	67.0	





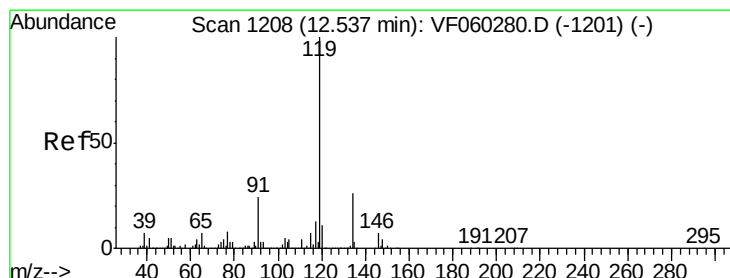
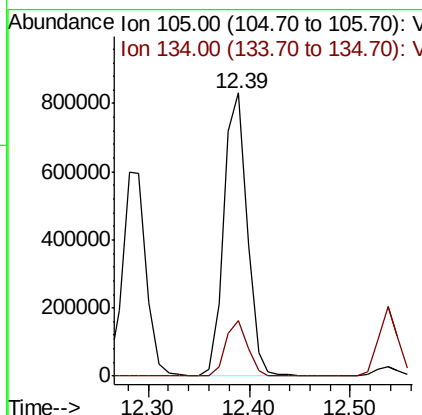
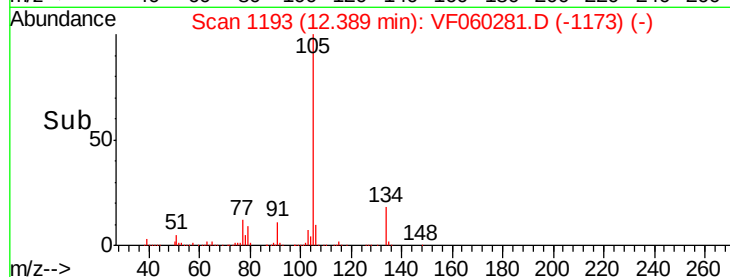
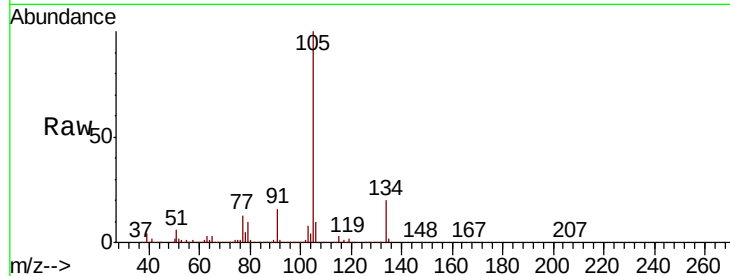
#85
 sec-Butylbenzene
 Concen: 62.90 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:105 Resp: 1329656
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.6 28.6

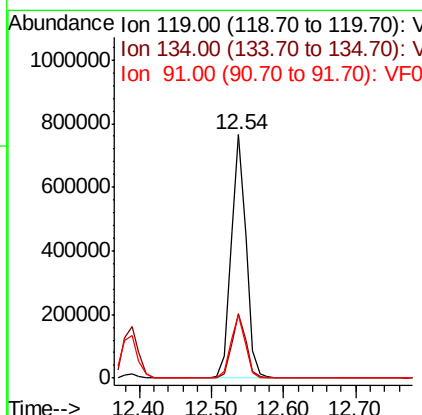
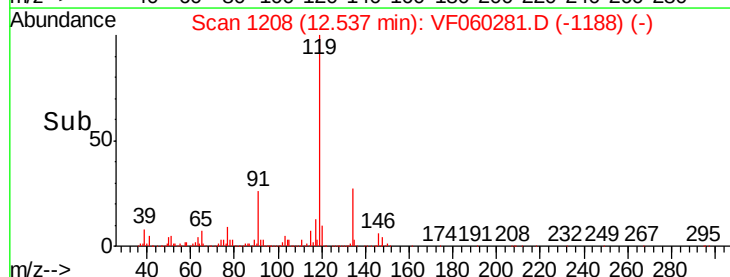
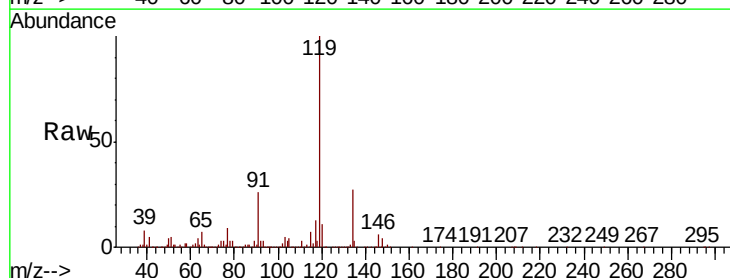
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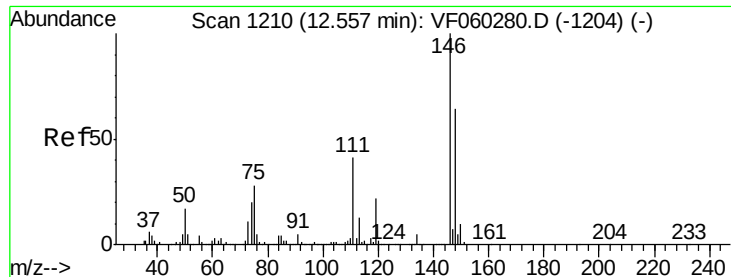
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#86
 p-Isopropyltoluene
 Concen: 65.66 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion:119 Resp: 1098292
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.9 38.7
 91 26.0 11.9 35.7





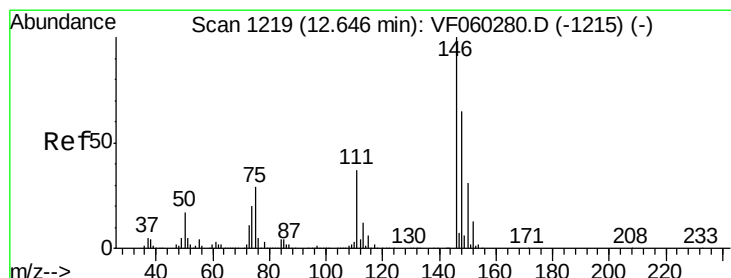
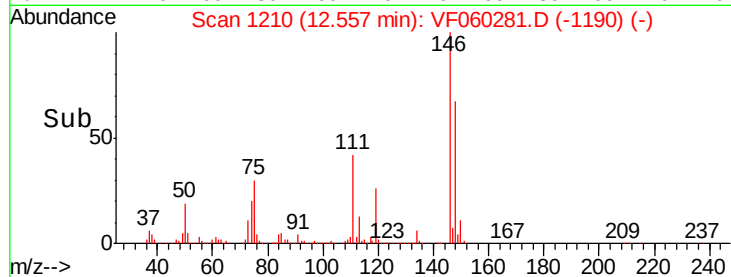
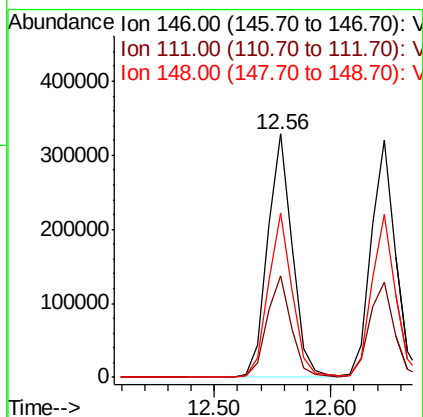
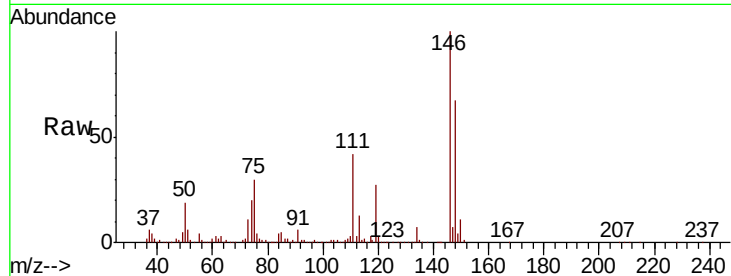
#87
 1,3-Dichlorobenzene
 Concen: 64.21 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.5	61.6
148	67.4	32.2	96.6

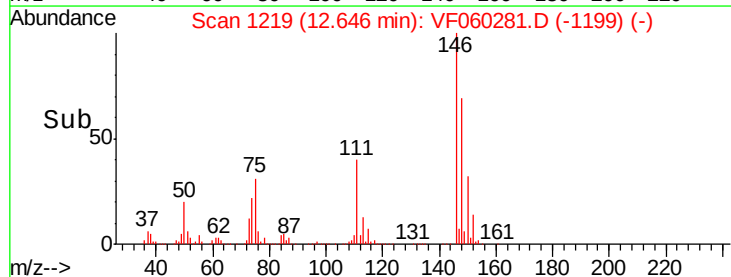
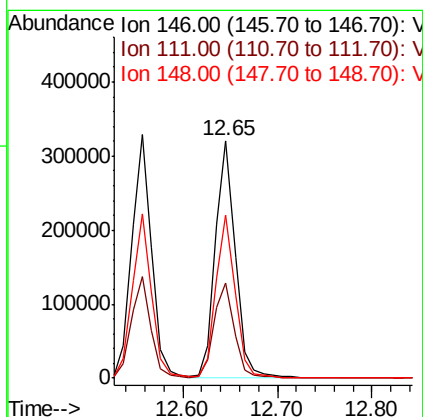
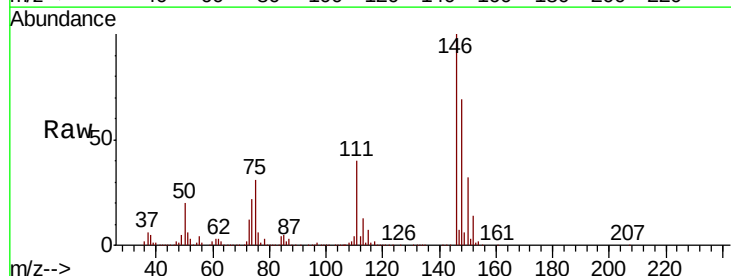
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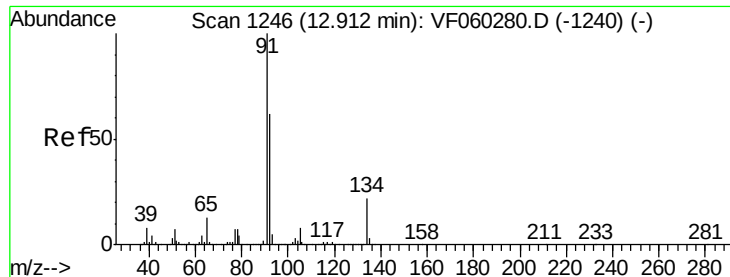
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#88
 1,4-Dichlorobenzene
 Concen: 63.39 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.7	56.1
148	68.7	32.4	97.0





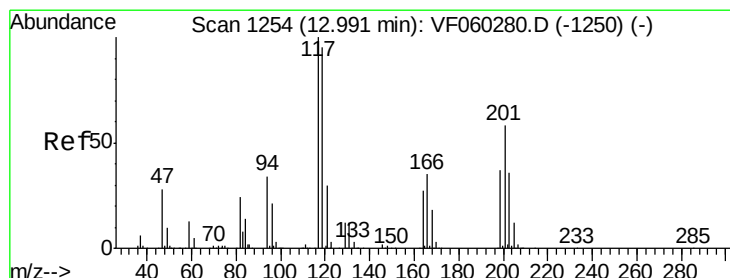
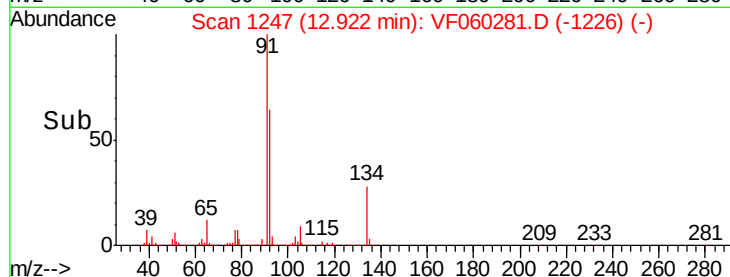
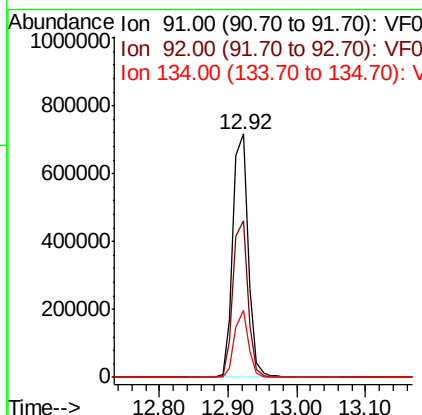
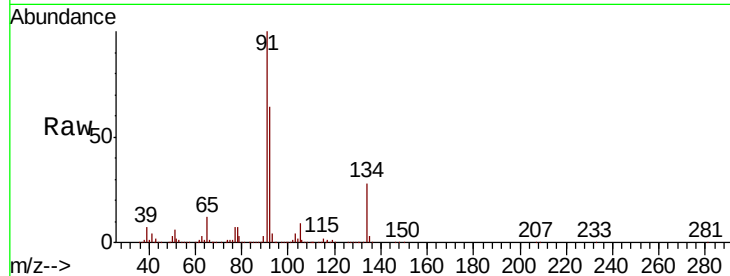
#89
n-Butylbenzene
Concen: 62.74 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.4	31.1	93.5
134	27.5	11.0	33.0

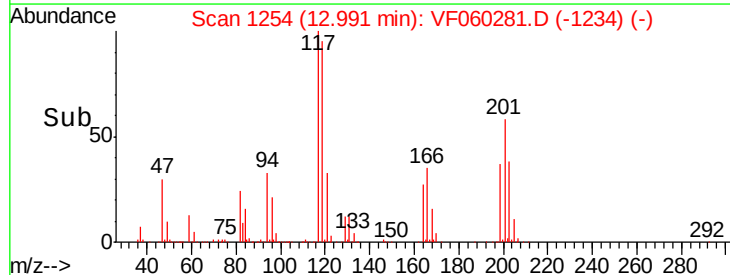
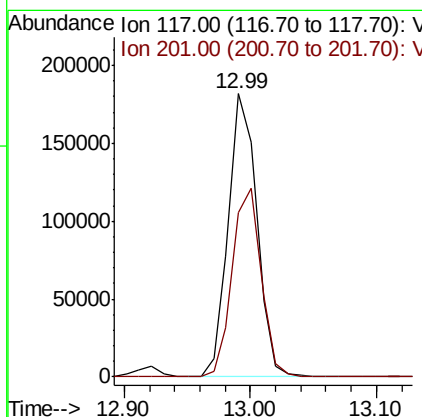
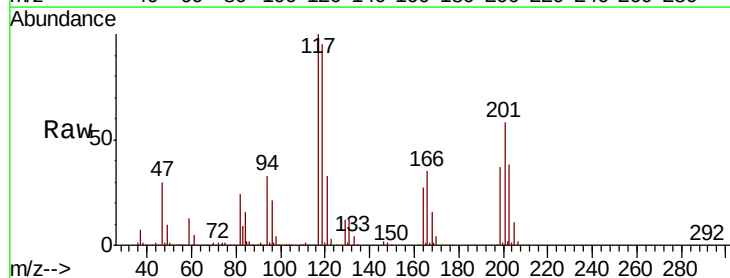
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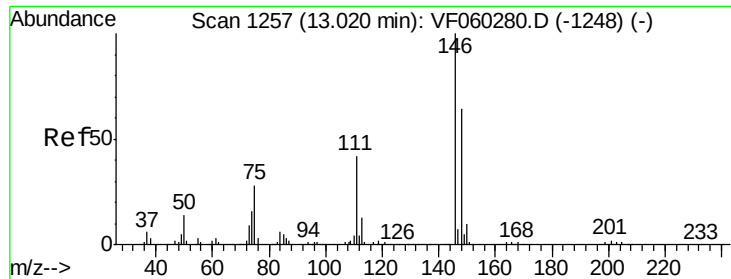
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#90
Hexachloroethane
Concen: 66.61 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	58.0	29.0	87.0





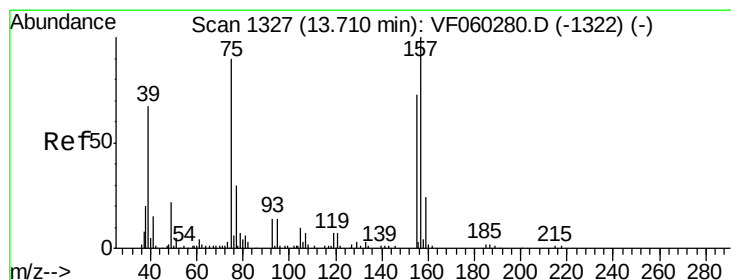
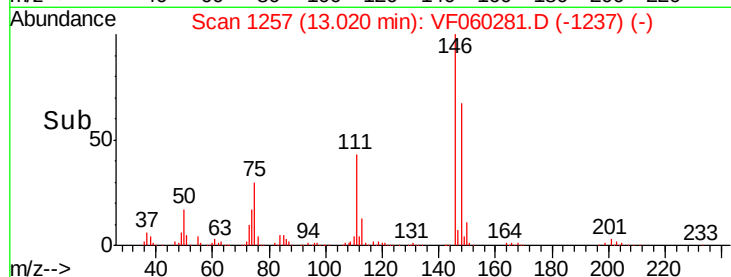
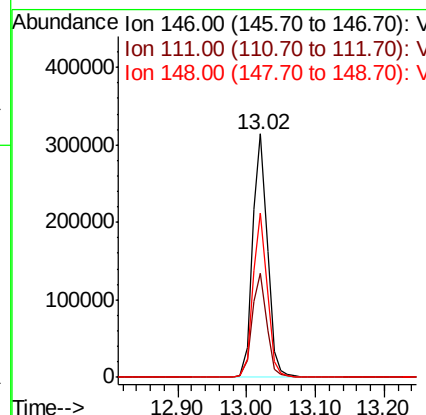
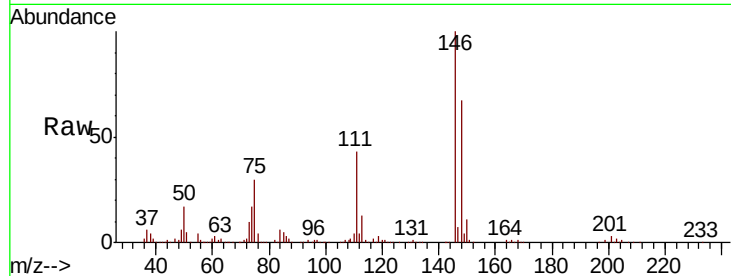
#91
 1,2-Dichlorobenzene
 Concen: 64.23 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.9	62.8
148	67.4	31.9	95.9

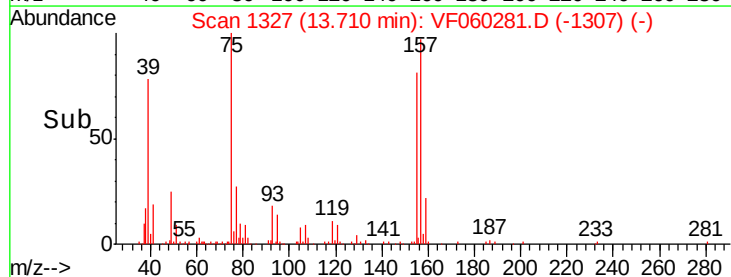
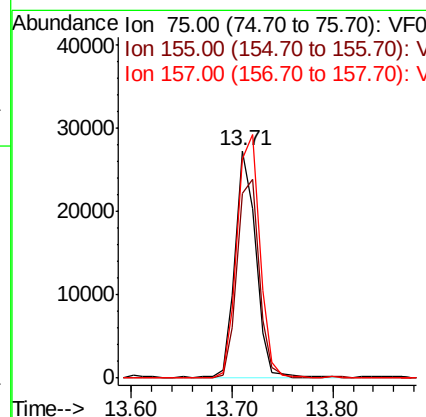
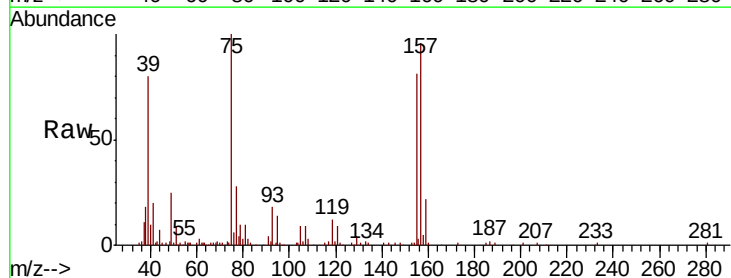
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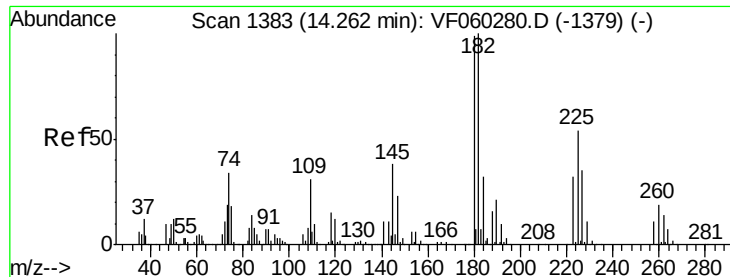
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.27 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	41.9	125.7
157	96.4	57.4	172.0





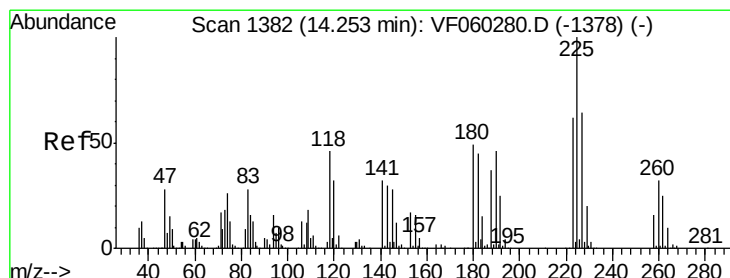
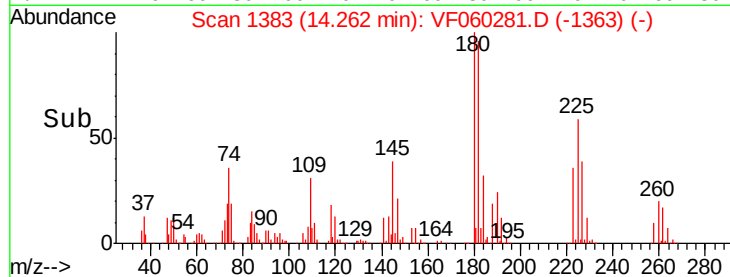
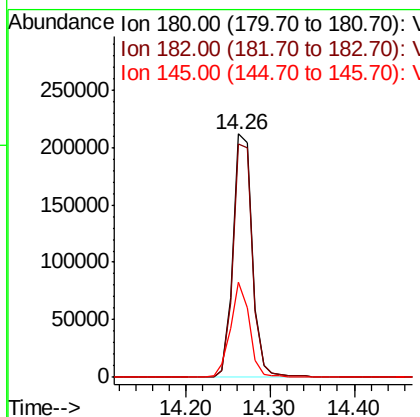
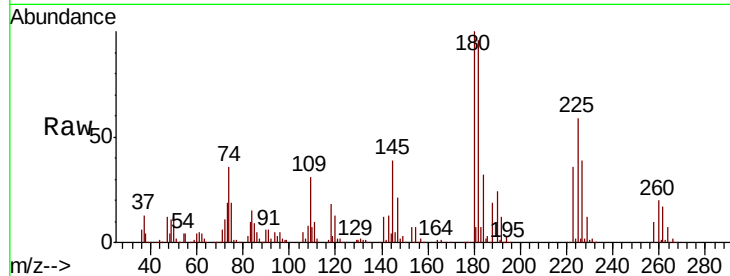
#93
 1,2,4-Trichlorobenzene
 Concen: 64.91 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	339103		
182	96.1	50.3	151.0	
145	38.8	18.9	56.9	

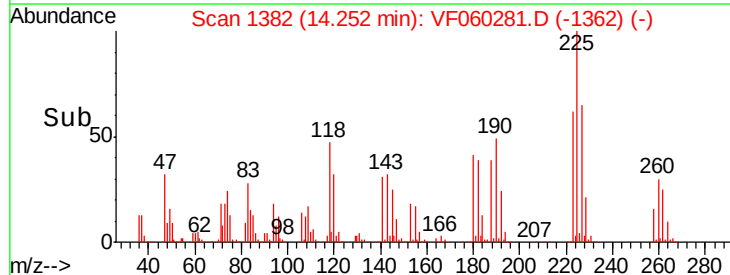
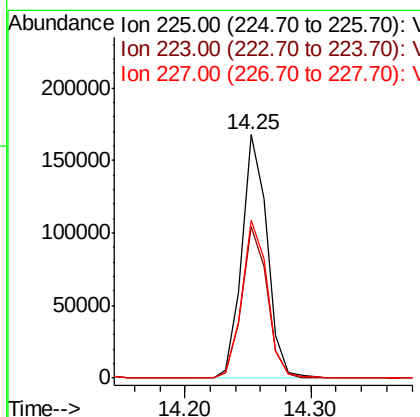
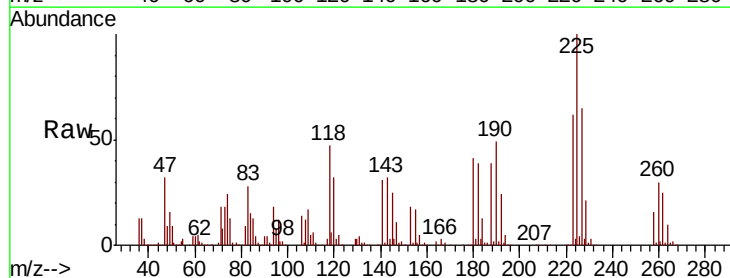
Manual Integrations
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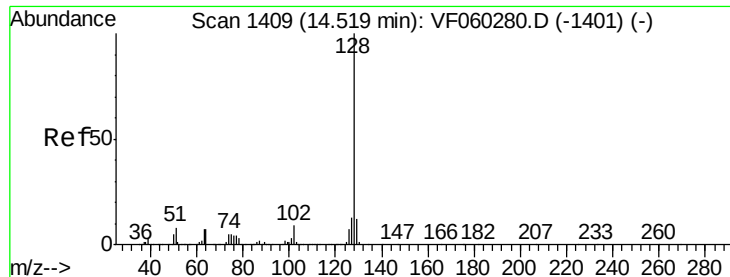
apatel
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#94
 Hexachlorobutadiene
 Concen: 65.88 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	232659		
223	62.4	31.2	93.6	
227	64.9	32.2	96.6	





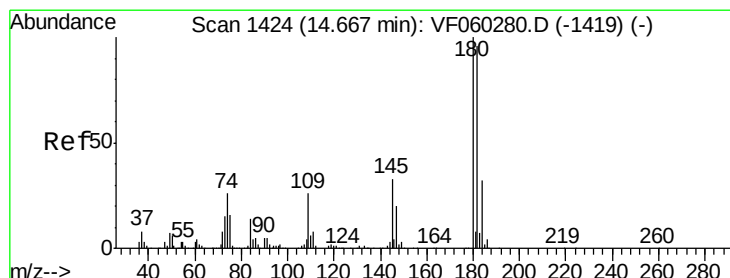
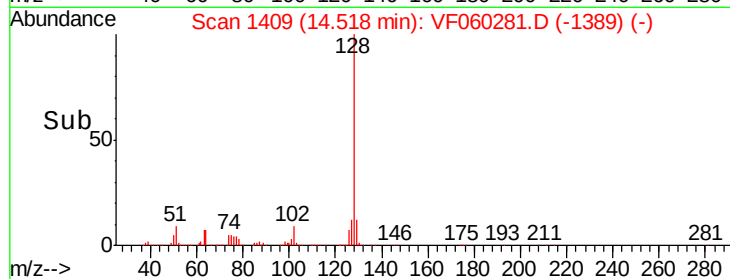
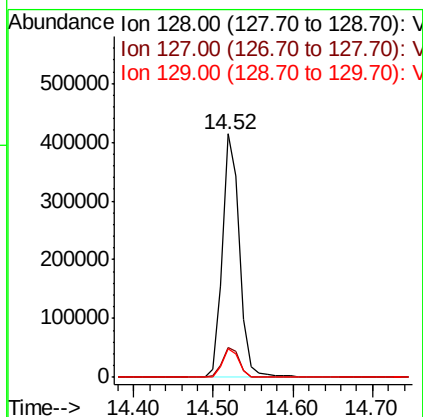
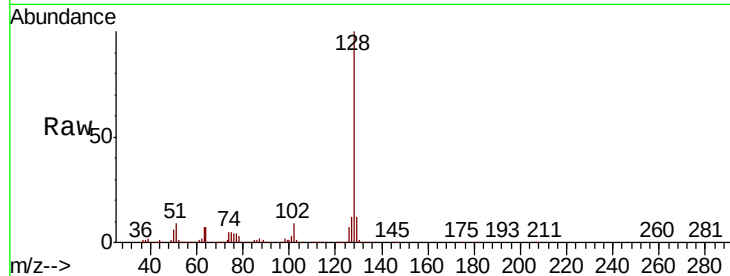
#95
Naphthalene
Concen: 69.06 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampled :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
128	100	632572		
127	12.3	10.1	15.1	
129	11.7	9.8	14.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 67.47 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	325723		
182	97.1	47.8	143.4	
145	33.7	16.4	49.1	

