

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060286.D
 Acq On : 19 Sep 2018 18:35
 Operator : VA/AP
 Sample : VF0919SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Manual Integrations
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apatel
 9/20/2018 11:55:06 AM

Quant Time: Sep 20 04:27:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	267676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	445180	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	396790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	208287	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	174165	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
35) Dibromofluoromethane	4.28	113	201648	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
50) Toluene-d8	7.70	98	500284	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.50	95	213490	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	105012	22.82	ug/l	86
3) Chloromethane	1.12	50	76572	20.99	ug/l	99
4) Vinyl Chloride	1.17	62	77805	20.93	ug/l	96
5) Bromomethane	1.35	94	49631	19.37	ug/l	100
6) Chloroethane	1.43	64	35964	20.31	ug/l	98
7) Trichlorofluoromethane	1.54	101	146901	21.21	ug/l	100
8) Diethyl Ether	1.69	74	23520	20.41	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.90	101	77593	21.07	ug/l	87
10) Methyl Iodide	1.96	142	128691	21.67	ug/l #	96
11) Tert butyl alcohol	2.68	59	24535	112.80	ug/l	100
12) 1,1-Dichloroethene	1.85	96	68093	22.35	ug/l	97
13) Acrolein	2.09	56	14240	208.02	ug/l	96
14) Allyl chloride	2.19	41	108053	20.33	ug/l	96
15) Acrylonitrile	3.06	53	49885	98.00	ug/l	95
16) Acetone	2.34	43	97666	96.22	ug/l	100
17) Carbon Disulfide	1.89	76	208251	23.57	ug/l	98
18) Methyl Acetate	2.44	43	31611	18.69	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	159776	21.04	ug/l	95
20) Methylene Chloride	2.28	84	71152m	21.75	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	65456	20.81	ug/l	94
22) Diisopropyl ether	2.92	45	196122	19.56	ug/l	94
23) Vinyl Acetate	3.32	43	453055	115.02	ug/l	99
24) 1,1-Dichloroethane	2.99	63	131201	20.17	ug/l	100
25) 2-Butanone	4.49	43	122392	89.58	ug/l	97
26) 2,2-Dichloropropane	3.75	77	78454	21.14	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	88604	21.44	ug/l	86
28) Bromochloromethane	3.87	49	53313	21.05	ug/l	95
29) Tetrahydrofuran	4.25	42	52817	105.56	ug/l	98
30) Chloroform	4.02	83	172272	21.95	ug/l	95
31) Cyclohexane	3.84	56	121594	22.13	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	125430	20.25	ug/l	98
36) 1,1-Dichloropropene	4.44	75	113579	20.45	ug/l	98
37) Ethyl Acetate	4.28	43	45038	19.17	ug/l	99
38) Carbon Tetrachloride	4.17	117	119010m	19.95	ug/l	

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	122877	20.42	ug/l	97
40) Benzene	4.80	78	253303	20.12	ug/l	96
41) Methacrylonitrile	4.91	41	24643	19.33	ug/l	92
42) 1,2-Dichloroethane	5.11	62	90445	19.52	ug/l	96
43) Isopropyl Acetate	7.11	43	53458	18.90	ug/l #	98
44) Trichloroethene	5.67	130	77396	20.65	ug/l	95
45) 1,2-Dichloropropane	6.39	63	66877	20.52	ug/l	97
46) Dibromomethane	6.24	93	45974	19.74	ug/l	99
47) Bromodichloromethane	6.53	83	112489	20.10	ug/l	99
48) Methyl methacrylate	6.86	41	36632	18.45	ug/l #	89
49) 1,4-Dioxane	6.86	88	6829	384.96	ug/l #	79
51) 4-Methyl-2-Pentanone	8.40	43	197341	90.52	ug/l	95
52) Toluene	7.77	92	160534	20.15	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	88551	19.61	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	112892	19.85	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	48732	20.16	ug/l	93
56) Ethyl methacrylate	8.75	69	55272	18.93	ug/l	92
57) 1,3-Dichloropropane	8.99	76	83020	20.74	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	25519	98.86	ug/l	100
59) 2-Hexanone	9.62	43	133387	85.93	ug/l	99
60) Dibromochloromethane	8.85	129	68865	19.11	ug/l	96
61) 1,2-Dibromoethane	9.13	107	53258	19.78	ug/l	100
64) Tetrachloroethene	8.30	164	68958	19.17	ug/l	96
65) Chlorobenzene	9.94	112	177065	19.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	72403	19.40	ug/l	97
67) Ethyl Benzene	10.03	91	331445	19.93	ug/l	99
68) m/p-Xylenes	10.26	106	234617	40.84	ug/l	99
69) o-Xylene	10.82	106	135657	21.05	ug/l	97
70) Styrene	10.89	104	182896	20.13	ug/l	97
71) Bromoform	10.88	173	42494	20.73	ug/l #	97
73) Isopropylbenzene	11.23	105	362086	19.36	ug/l	96
74) N-amyl acetate	11.45	43	70533	17.69	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	67222	20.29	ug/l	89
76) 1,2,3-Trichloropropane	11.88	75	44905	18.93	ug/l	87
77) Bromobenzene	11.59	156	78895	19.58	ug/l	99
78) n-propylbenzene	11.68	91	447777	19.15	ug/l	100
79) 2-Chlorotoluene	11.81	91	252263	20.00	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	316192	21.01	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	21801m	17.39	ug/l	
82) 4-Chlorotoluene	11.99	91	253485	19.99	ug/l	99
83) tert-Butylbenzene	12.21	119	304916	19.98	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	310853	20.34	ug/l	99
85) sec-Butylbenzene	12.38	105	433103	19.23	ug/l	95
86) p-Isopropyltoluene	12.54	119	347835	19.70	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	150961	20.05	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	147126	19.77	ug/l	97
89) n-Butylbenzene	12.91	91	361425	19.06	ug/l	97
90) Hexachloroethane	12.99	117	87162	20.41	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	143648	20.00	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12131	19.50	ug/l	94

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Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	104998	20.11	ug/l	94
94) Hexachlorobutadiene	14.25	225	72139	20.44	ug/l	96
95) Naphthalene	14.52	128	167384	18.29	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	100742	20.88	ug/l	99

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

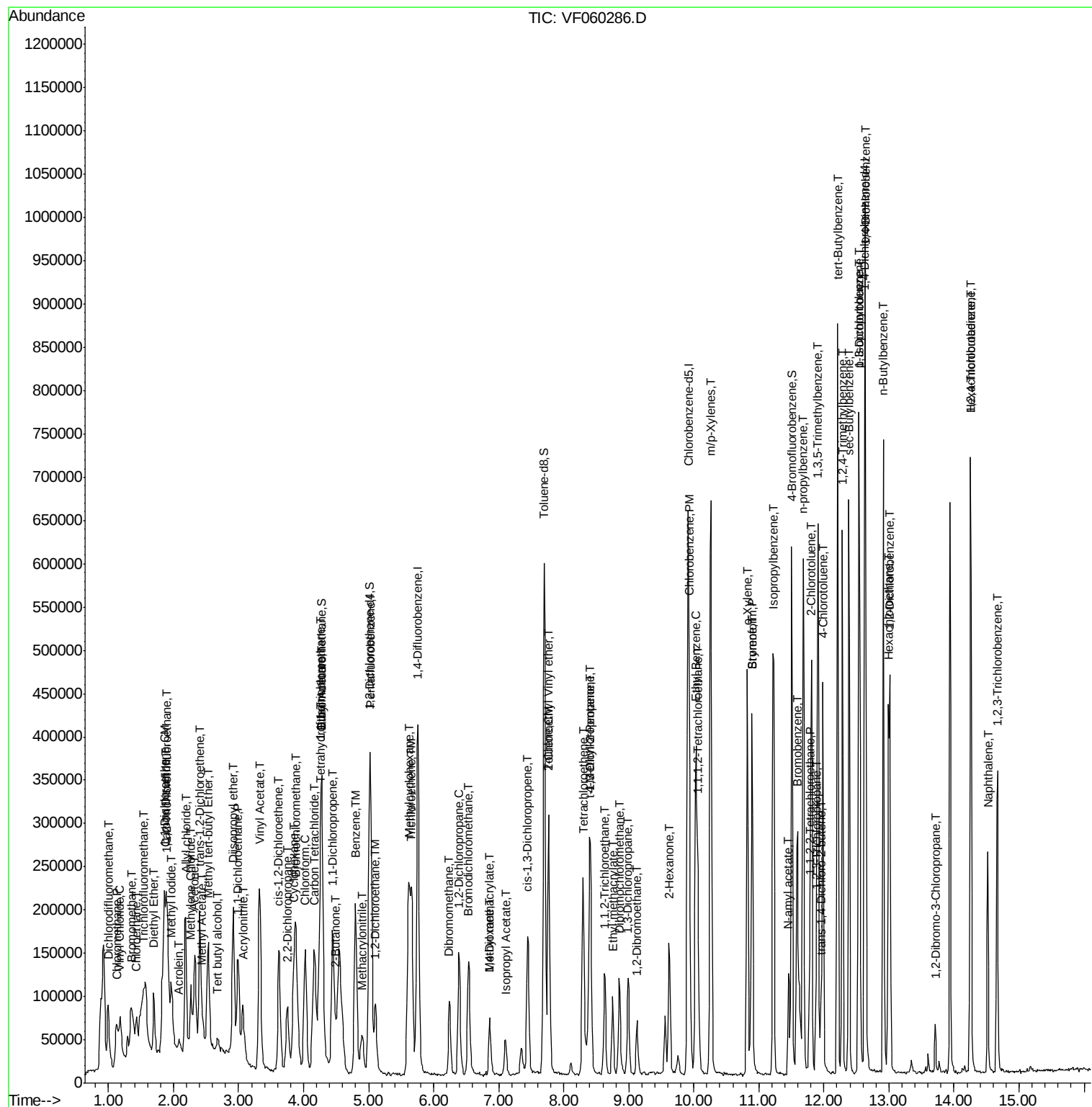
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091918\
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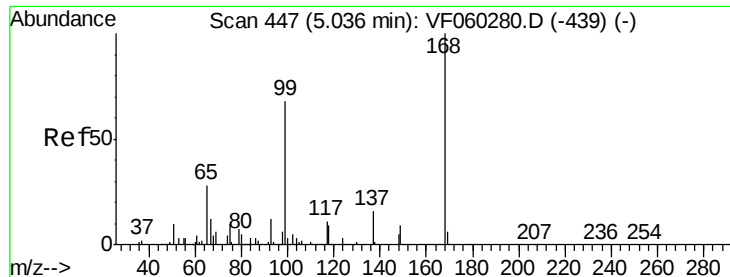
Instrument :
MSVOA_F
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion:168 Resp: 267676

Ion Ratio Lower Upper

168 100

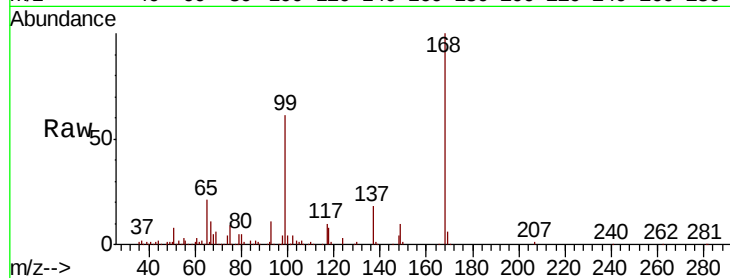
99 60.9 54.8 82.2

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

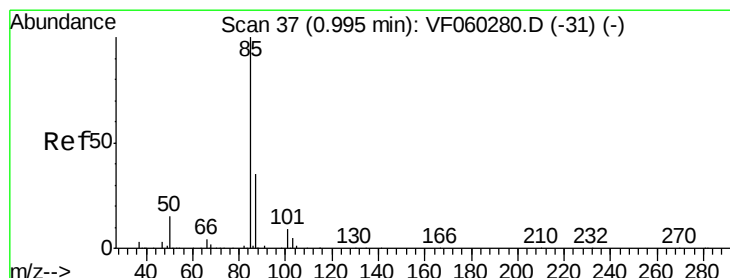
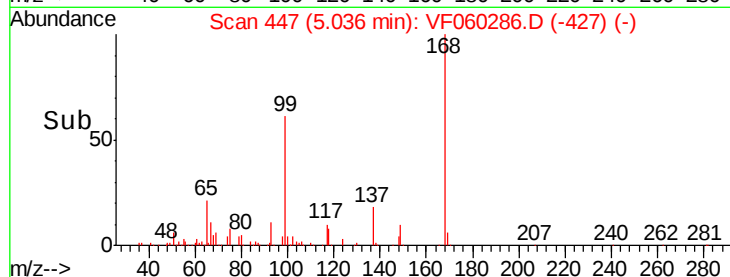
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.82 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060286.D

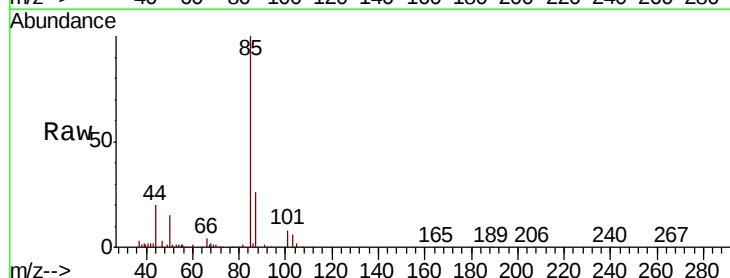
Acq: 19 Sep 2018 18:35

Tgt Ion: 85 Resp: 105012

Ion Ratio Lower Upper

85 100

87 26.4 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

40000

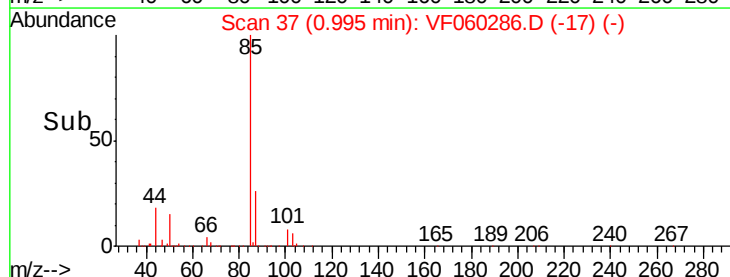
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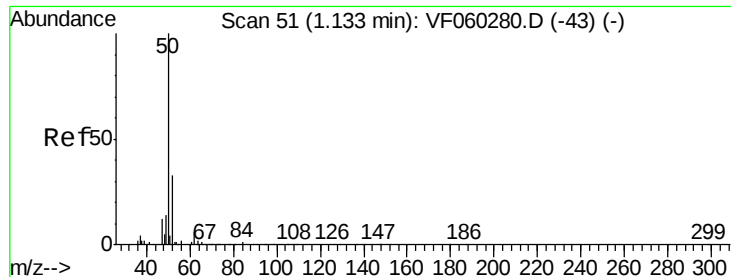
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10000

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Time-->





#3

Chloromethane

Concen: 20.99 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 50 Resp: 76572

Ion Ratio Lower Upper

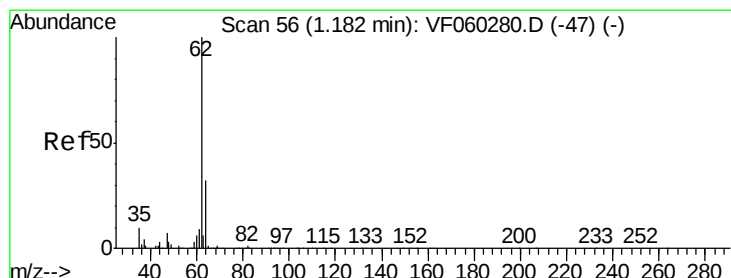
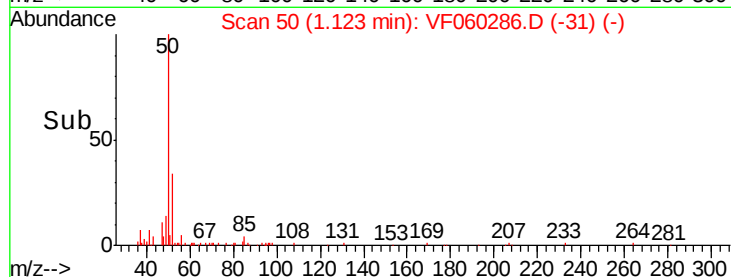
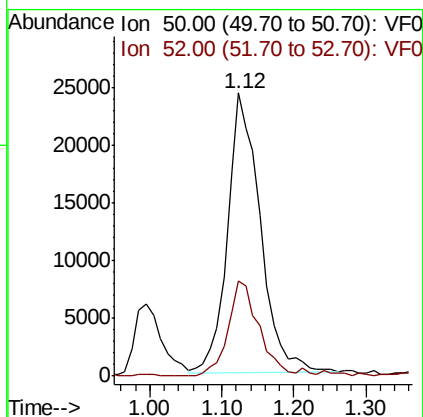
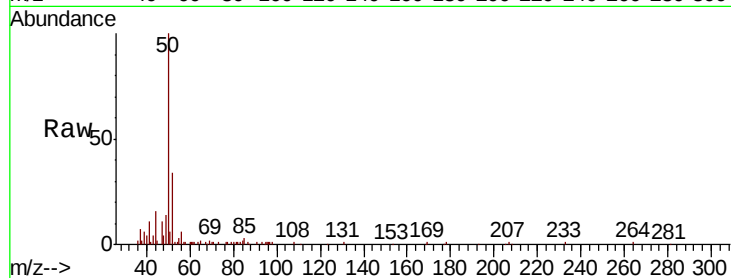
50 100

52 33.7 26.5 39.7

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#4

Vinyl Chloride

Concen: 20.93 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060286.D

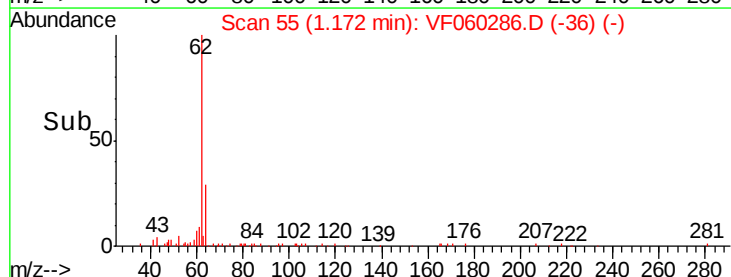
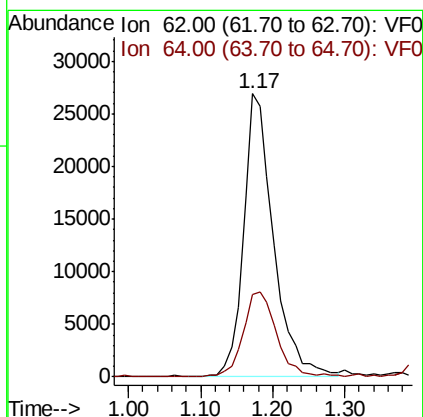
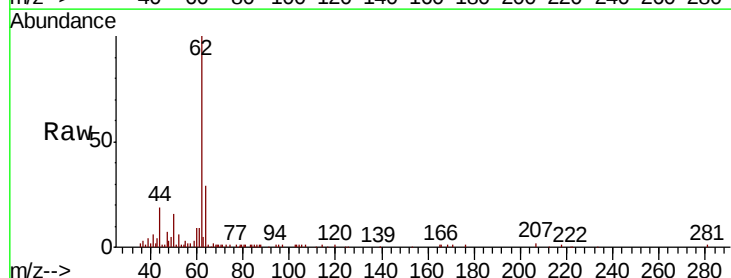
Acq: 19 Sep 2018 18:35

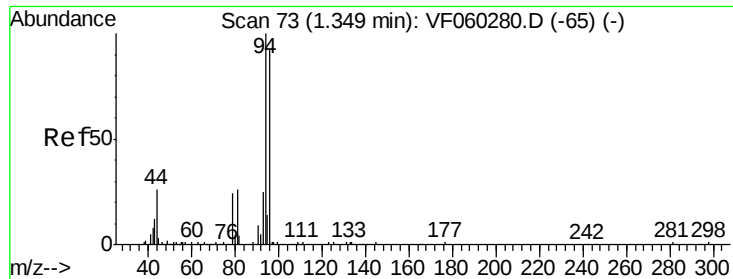
Tgt Ion: 62 Resp: 77805

Ion Ratio Lower Upper

62 100

64 29.3 25.2 37.8





#5

Bromomethane

Concen: 19.37 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 49631

Ion Ratio Lower Upper

94 100

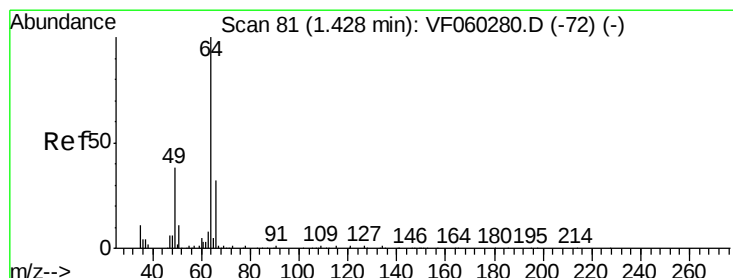
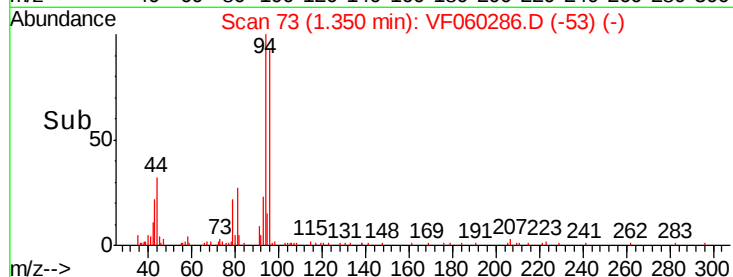
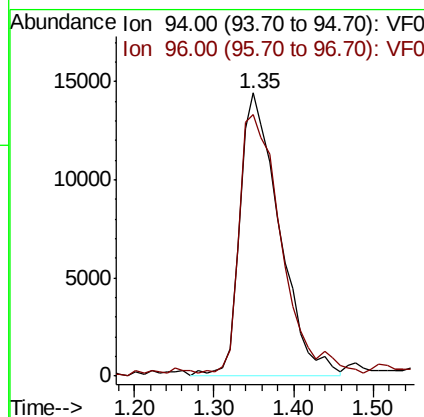
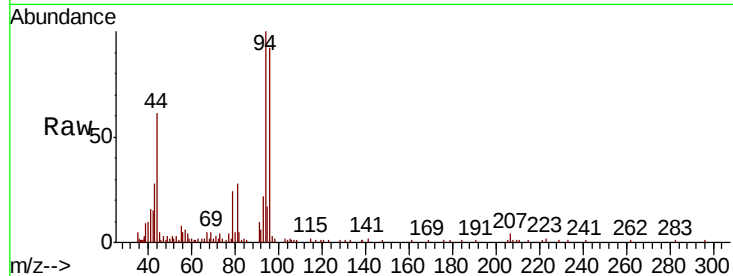
96 92.4 73.9 110.9

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#6

Chloroethane

Concen: 20.31 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060286.D

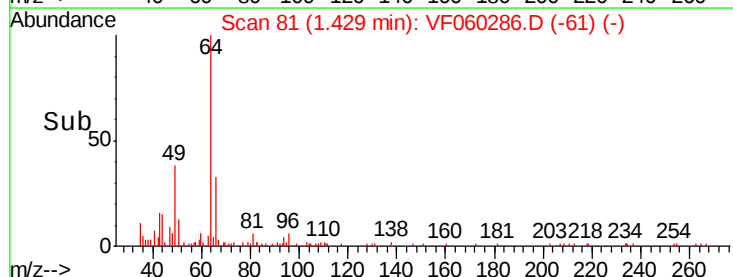
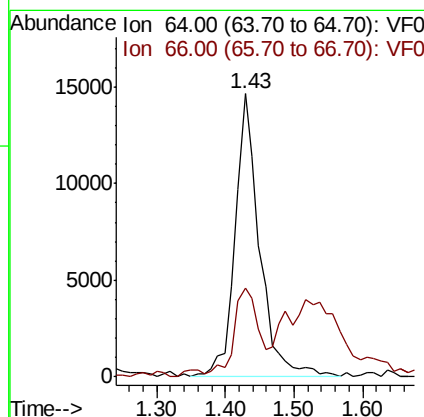
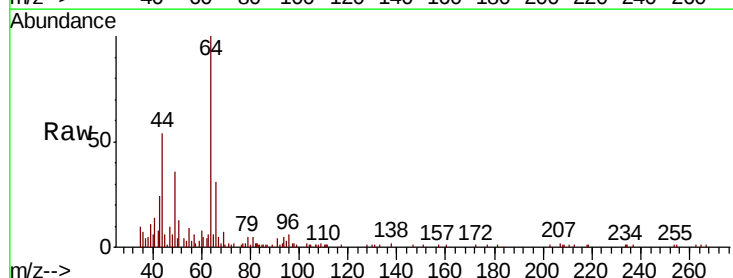
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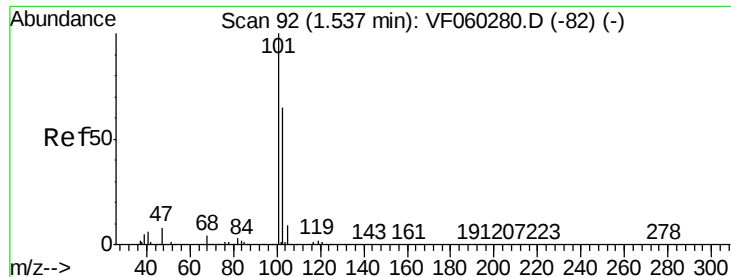
Tgt Ion: 64 Resp: 35964

Ion Ratio Lower Upper

64 100

66 31.4 26.2 39.2





#7

Trichlorofluoromethane

Concen: 21.21 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

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ClientSampleId :

VF0919SBS01

Tot Ion:101 Resp: 146901

Ion Ratio Lower Upper

101 100

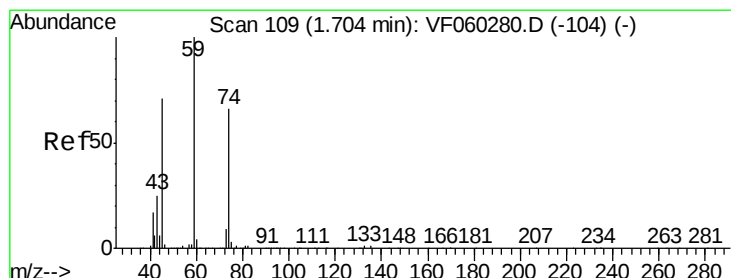
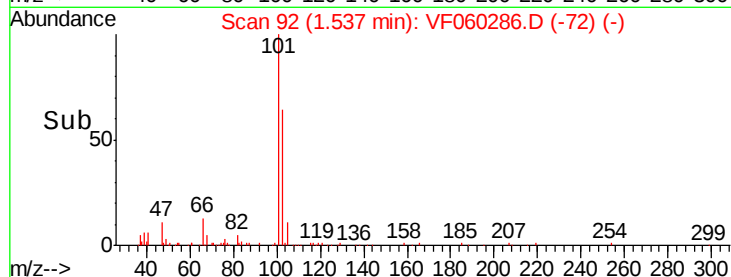
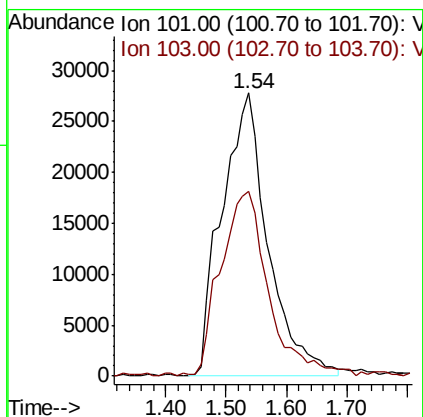
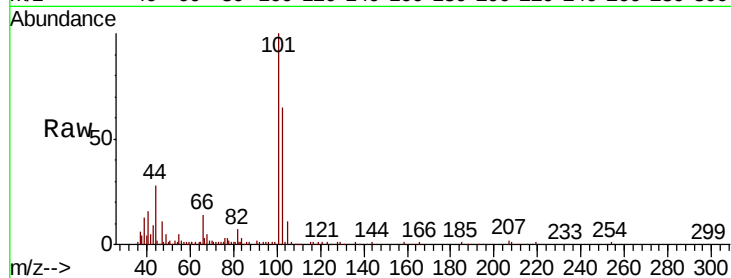
103 65.2 52.0 78.0

Manual Integrations

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#8

Diethyl Ether

Concen: 20.41 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060286.D

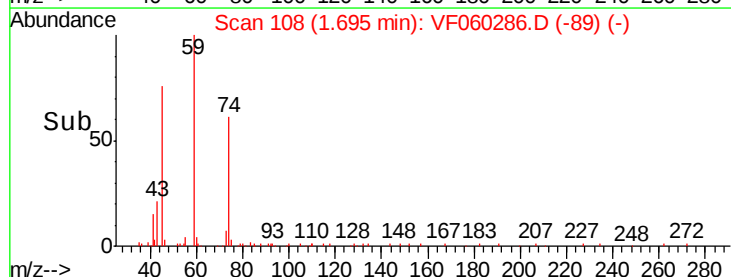
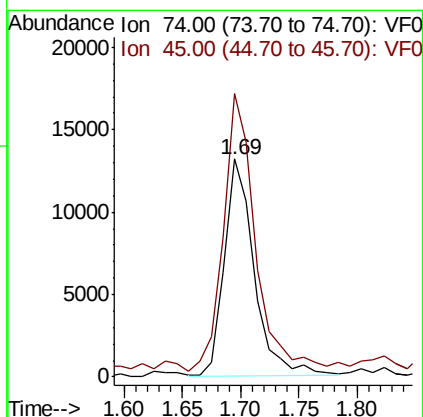
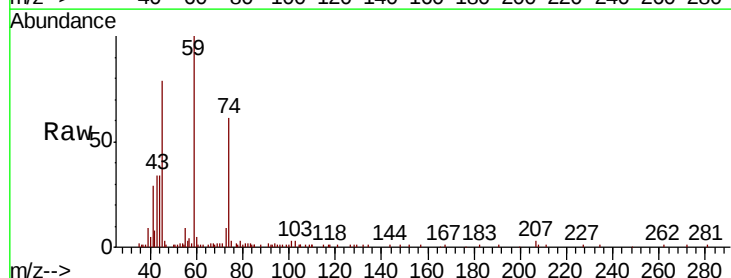
Acq: 19 Sep 2018 18:35

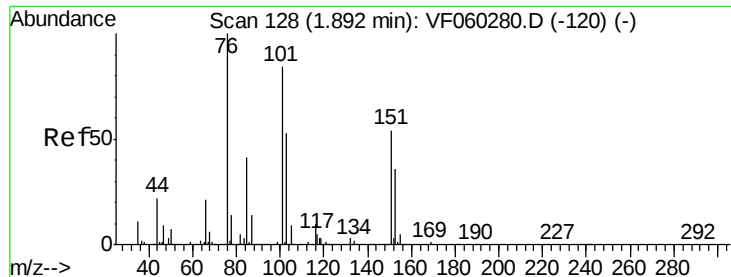
Tgt Ion: 74 Resp: 23520

Ion Ratio Lower Upper

74 100

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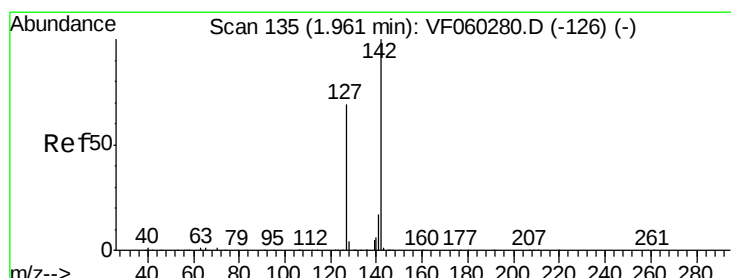
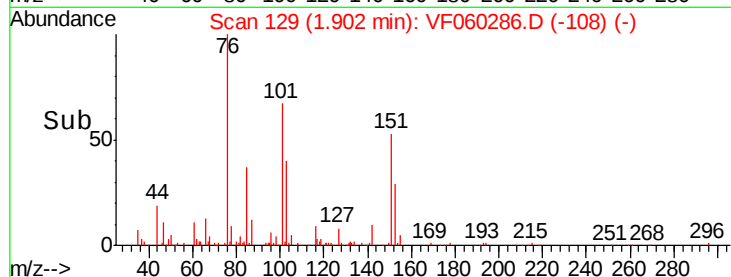
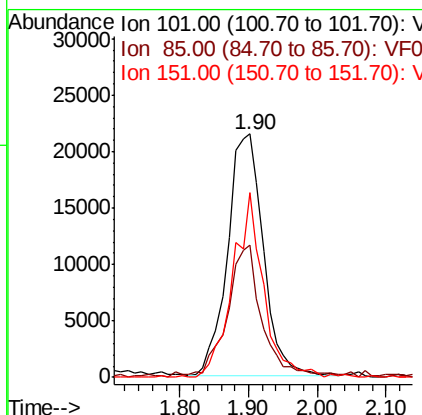
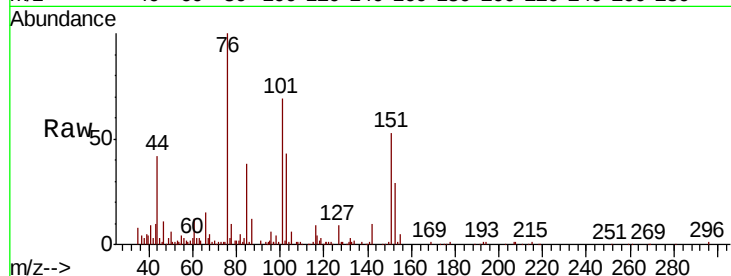
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.07 ug/l
 RT: 1.90 min Scan# 129
 Delta R.T. 0.01 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	54.2	38.7	58.1
151	75.9	50.8	76.2

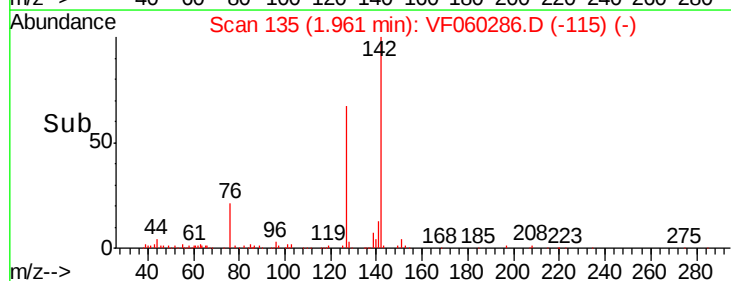
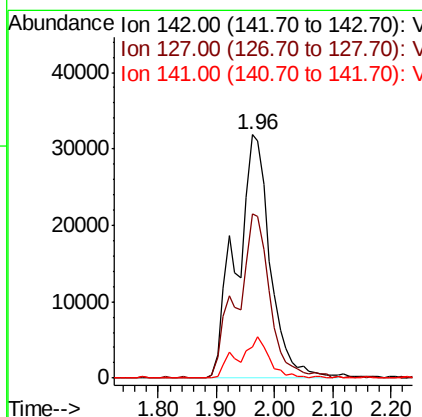
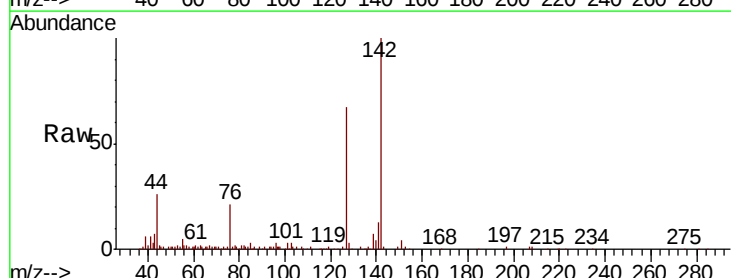
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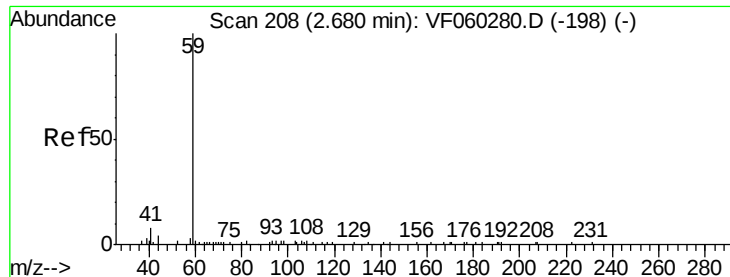
apatel
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#10
 Methyl Iodide
 Concen: 21.67 ug/l
 RT: 1.96 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
142	100		
127	67.3	55.4	83.0
141	12.9	13.3	19.9#





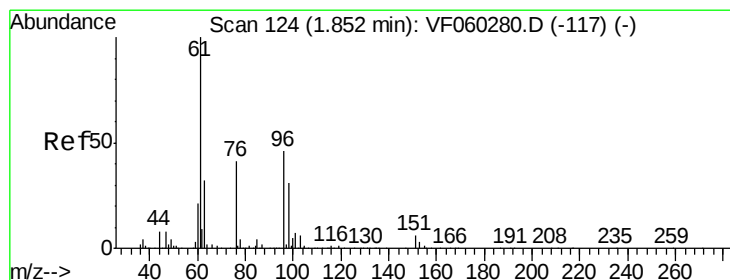
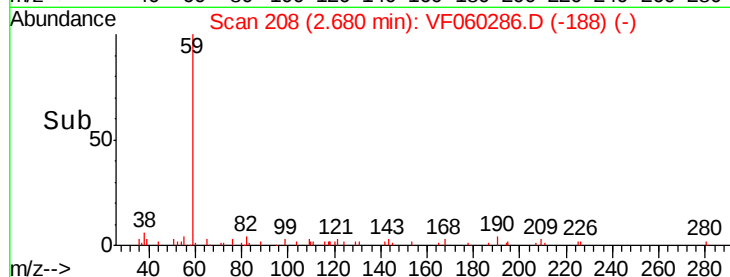
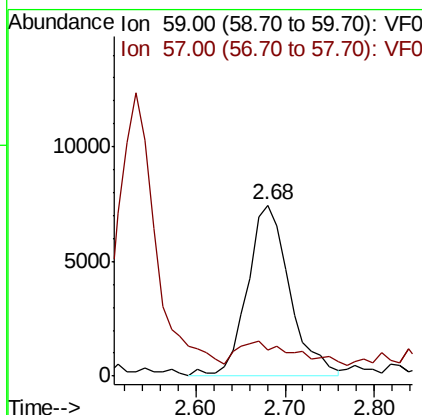
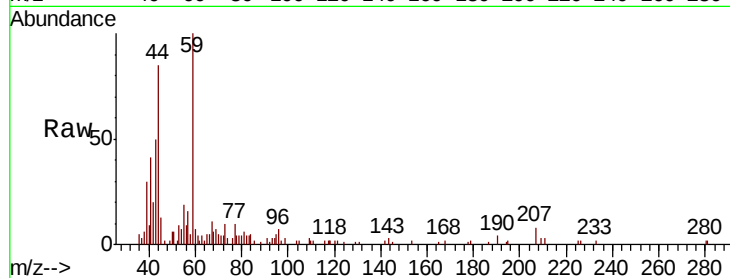
#11
Tert butyl alcohol
Concen: 112.80 ug/l
RT: 2.68 min Scan# 208
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	59	Resp	24535
Ion Ratio	100	Lower	Upper
57	15.6	12.4	18.6

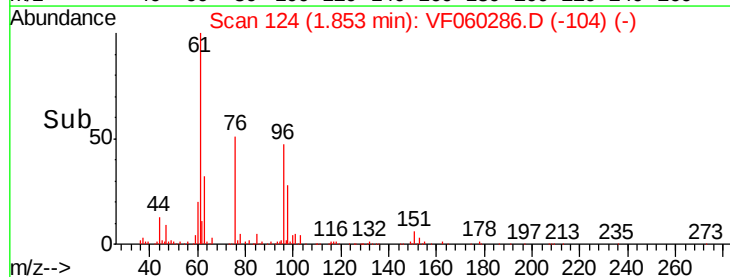
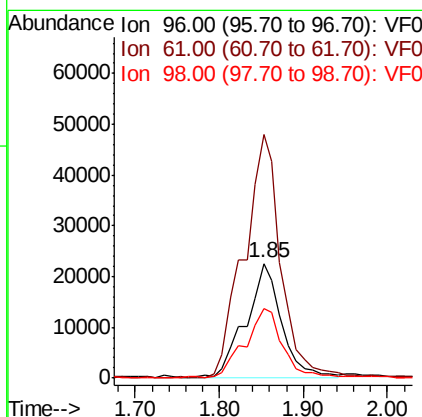
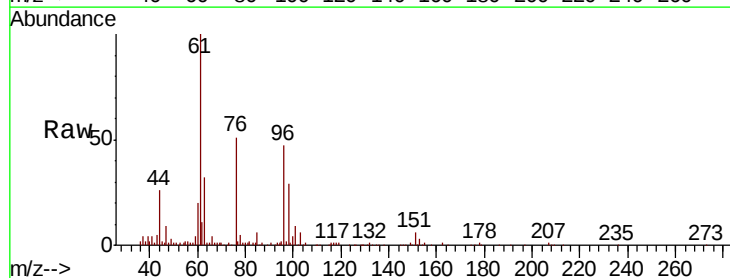
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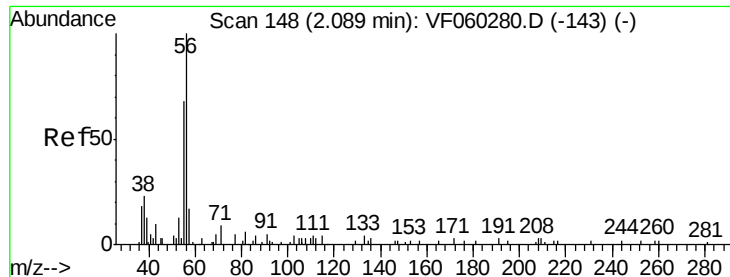
apatel
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#12
1,1-Dichloroethene
Concen: 22.35 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	96	Resp	68093
Ion Ratio	100	Lower	Upper
61	212.2	172.2	258.2
98	60.8	54.1	81.1





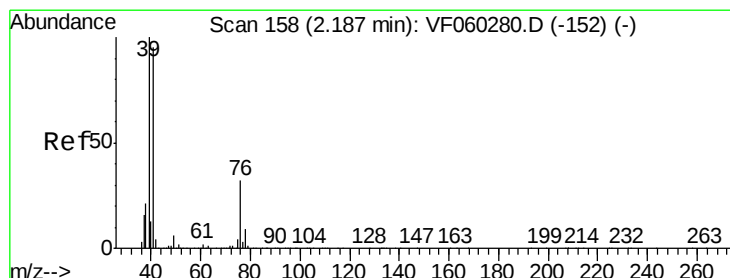
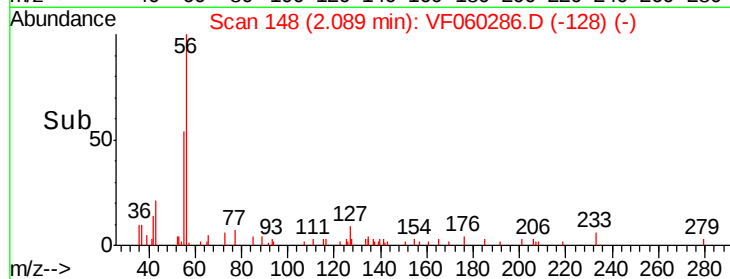
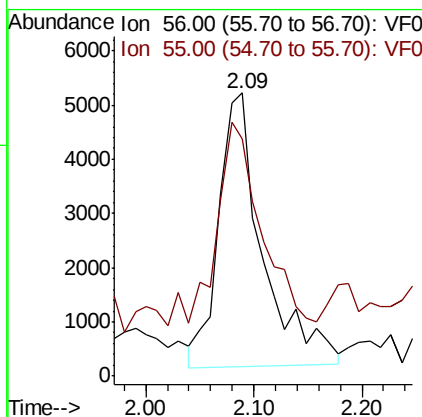
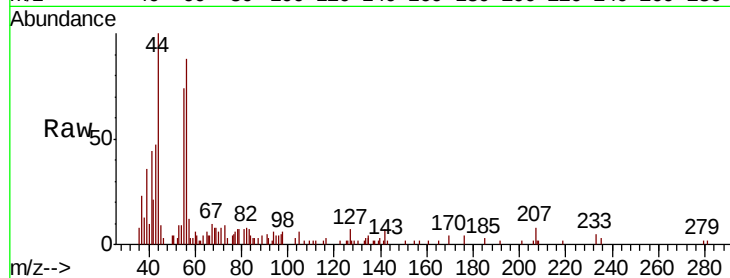
#13
Acrolein
Concen: 208.02 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	83.7	69.9	104.9

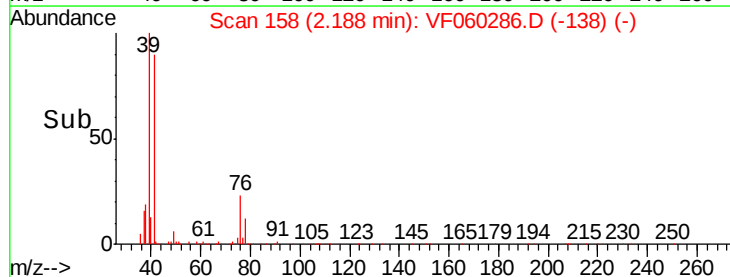
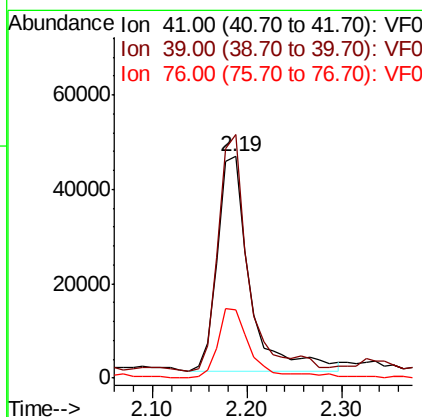
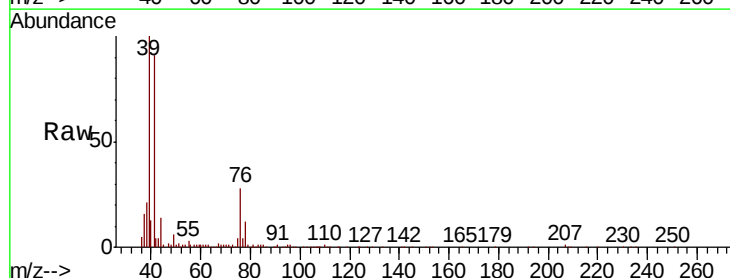
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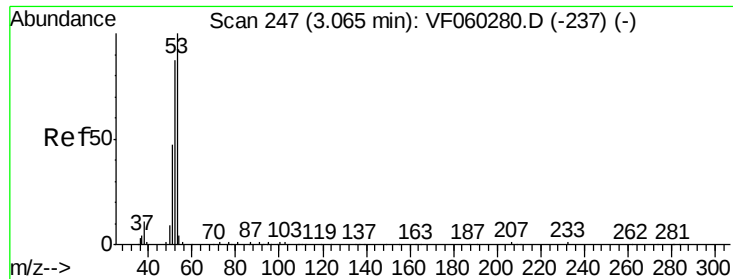
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#14
Allyl chloride
Concen: 20.33 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
41	100		
39	109.9	84.8	127.2
76	30.9	27.4	41.2





#15

Acrylonitrile

Concen: 98.00 ug/l

RT: 3.06 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

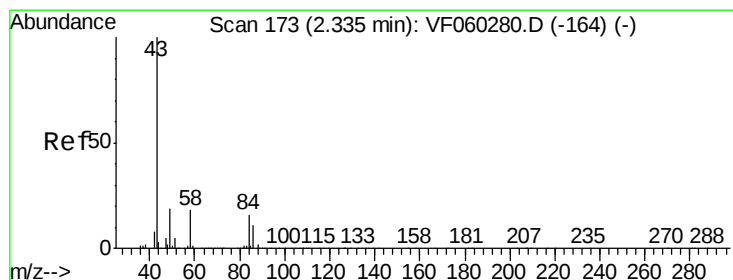
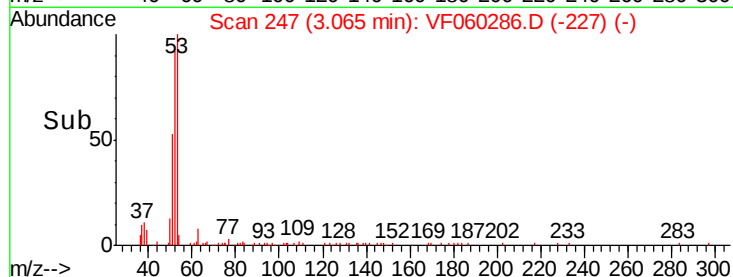
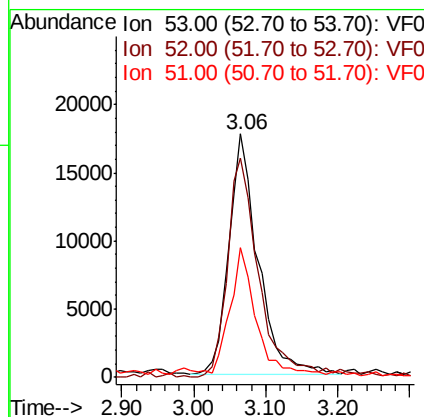
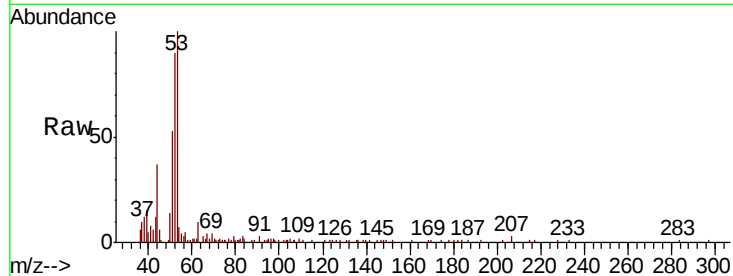
ClientSampleId :

VF0919SBS01

Tot Ion:	53	Resp:	49885
Ion Ratio	Lower	Upper	
53	100		
52	90.1	69.5	104.3
51	53.4	38.1	57.1

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#16

Acetone

Concen: 96.22 ug/l

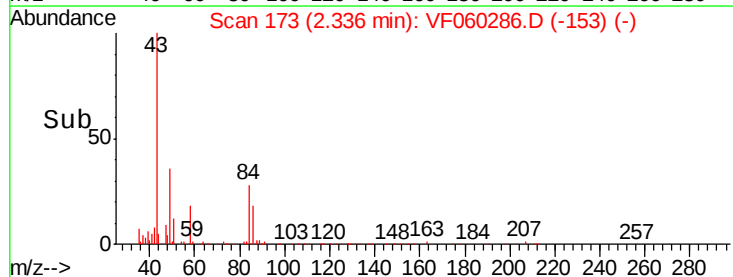
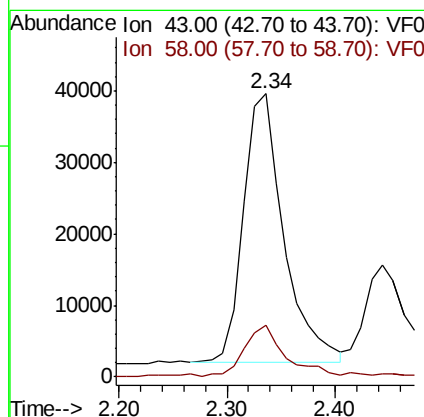
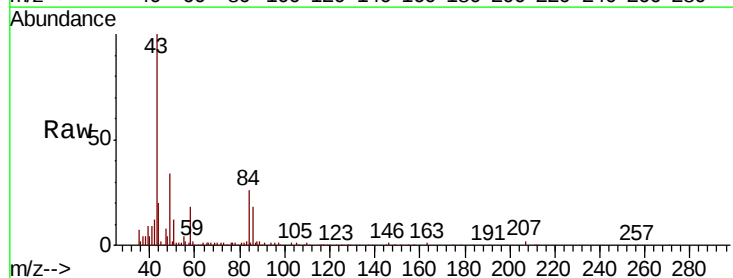
RT: 2.34 min Scan# 173

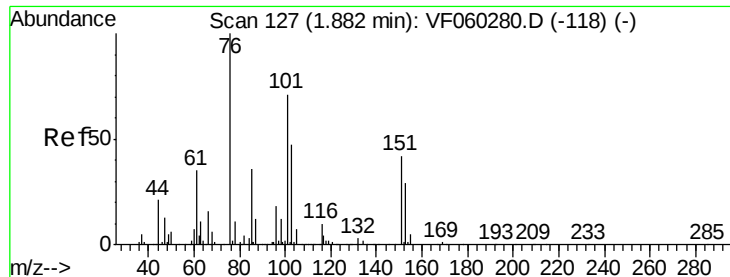
Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Tgt Ion:	43	Resp:	97666
Ion Ratio	Lower	Upper	
43	100		
58	18.3	14.5	21.7





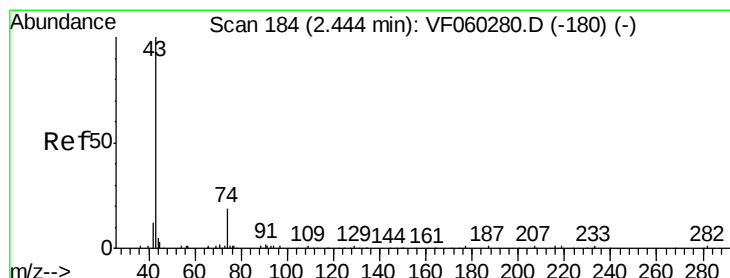
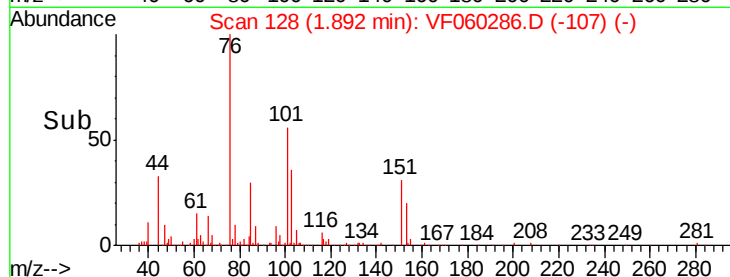
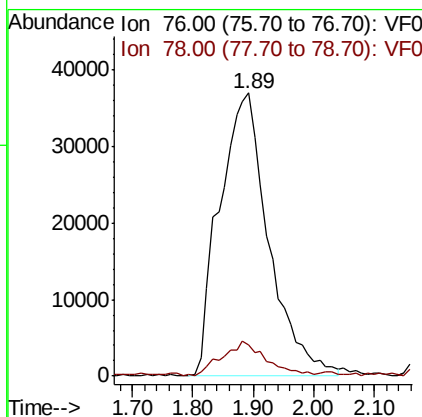
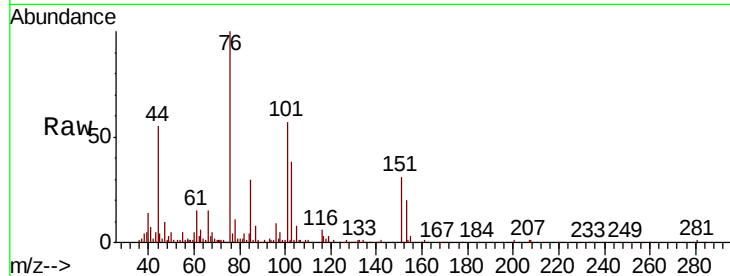
#17
Carbon Disulfide
Concen: 23.57 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion: 76 Resp: 208251
Ion Ratio Lower Upper
76 100
78 11.1 9.4 14.0

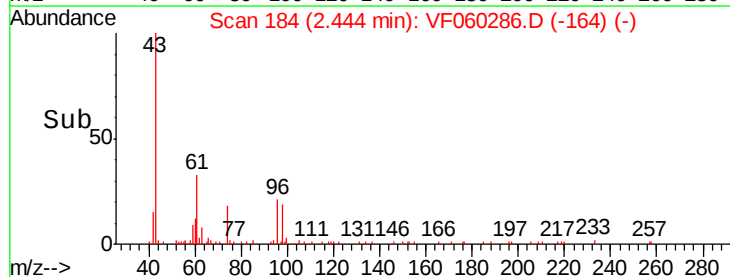
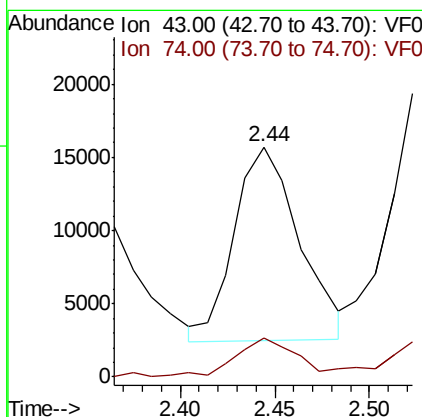
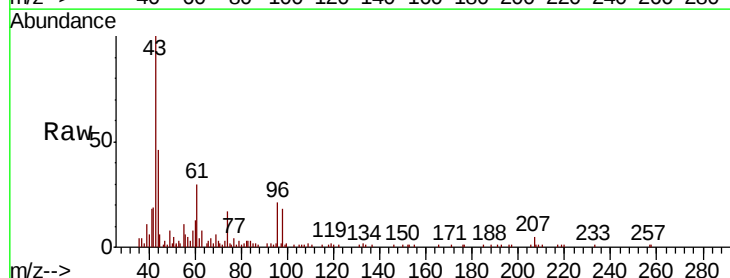
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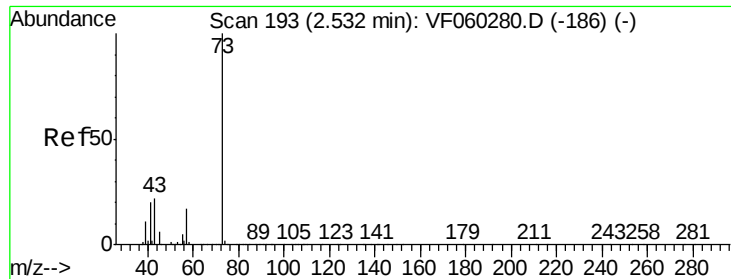
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#18
Methyl Acetate
Concen: 18.69 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion: 43 Resp: 31611
Ion Ratio Lower Upper
43 100
74 16.8 12.7 19.1





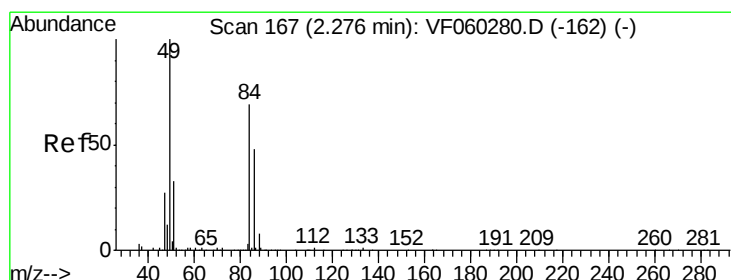
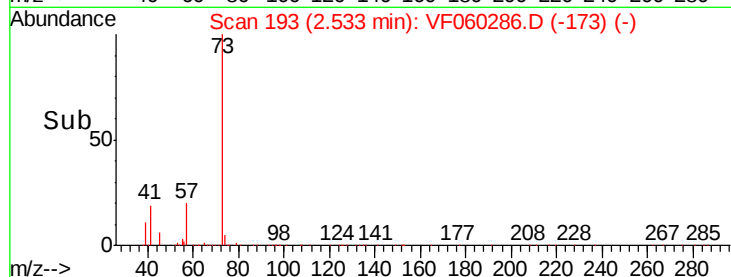
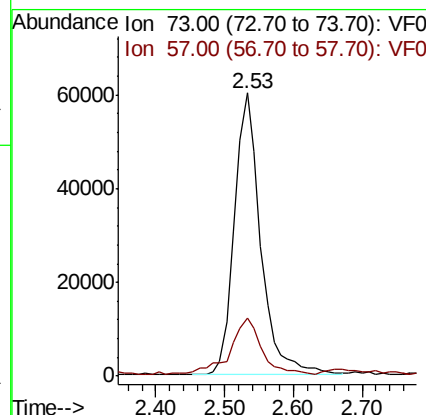
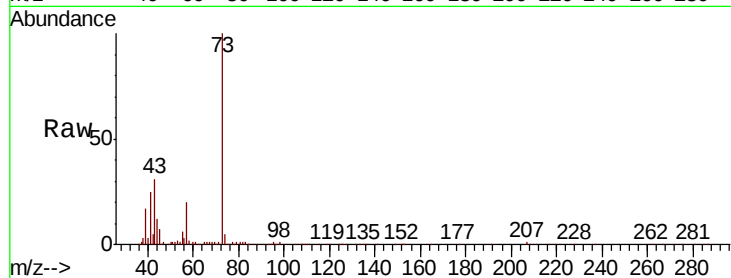
#19
Methyl tert-butyl Ether
Concen: 21.04 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	14.5	21.7

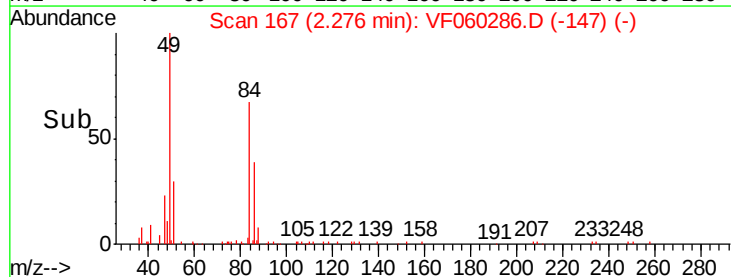
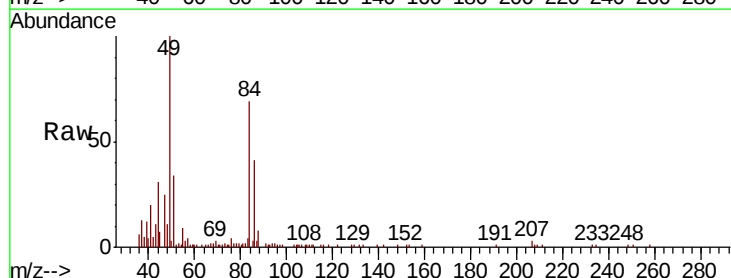
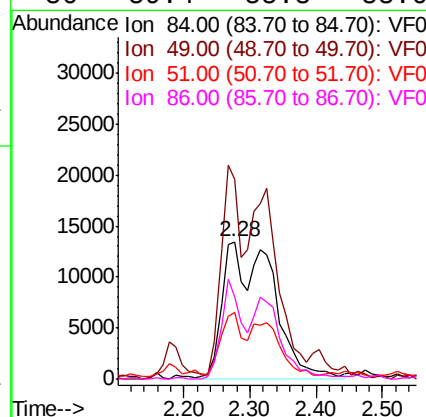
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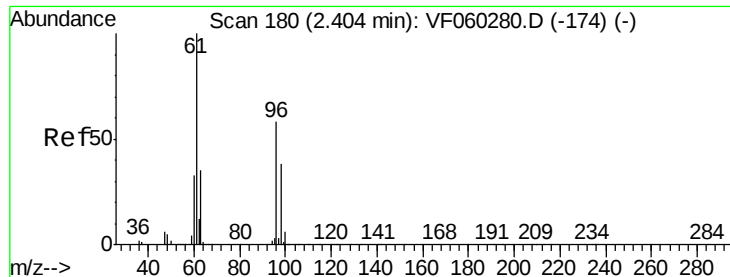
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#20
Methylene Chloride
Concen: 21.75 ug/l m
RT: 2.28 min Scan# 167
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.3	118.3	177.5
51	49.0	38.7	58.1
86	59.4	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 20.81 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

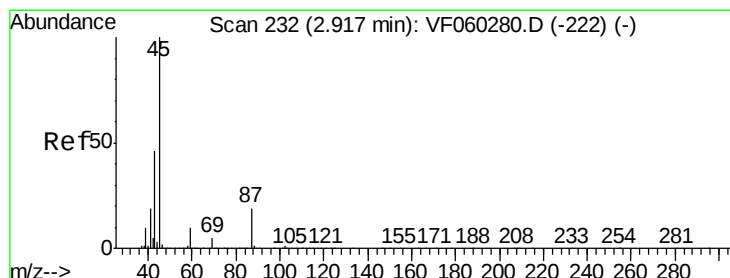
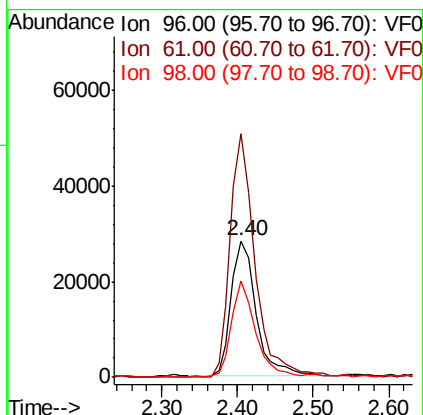
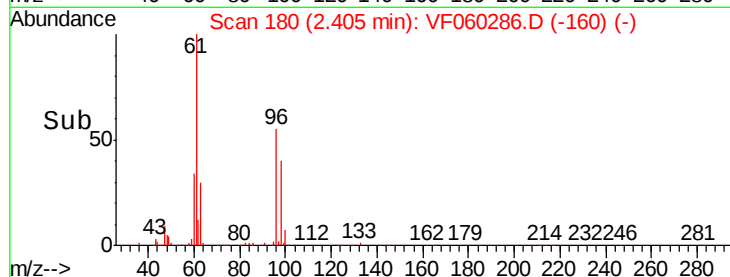
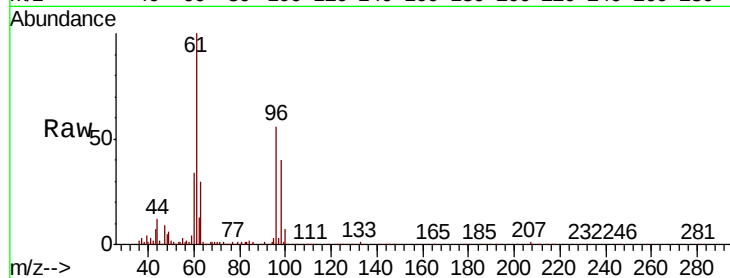
ClientSampleId :

VF0919SBS01

Tot Ion:	96	Resp:	65456
Ion	Ratio	Lower	Upper
96	100		
61	178.1	136.4	204.6
98	70.6	51.8	77.6

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#22

Diisopropyl ether

Concen: 19.56 ug/l

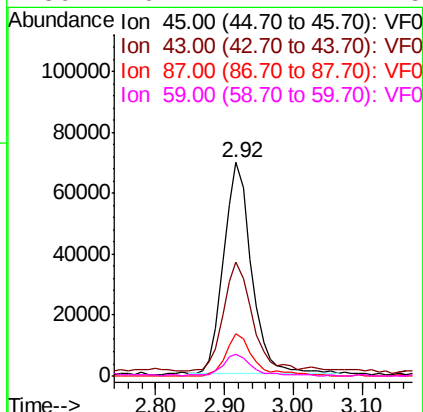
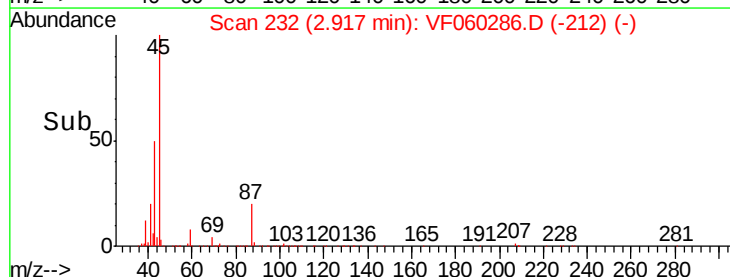
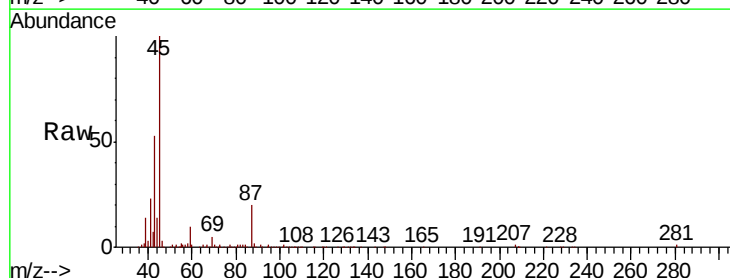
RT: 2.92 min Scan# 232

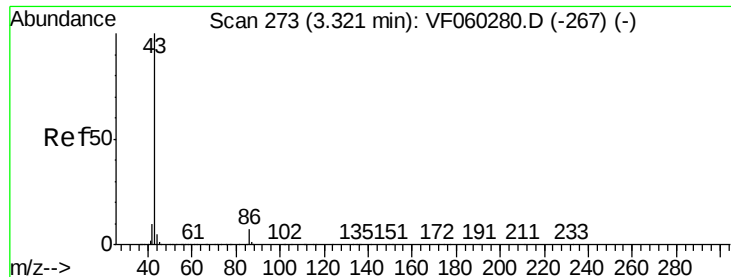
Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Tgt Ion:	45	Resp:	196122
Ion	Ratio	Lower	Upper
45	100		
43	53.1	38.2	57.2
87	20.0	15.5	23.3
59	10.1	7.7	11.5





#23

Vinyl Acetate

Concen: 115.02 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 43 Resp: 453055

Ion Ratio Lower Upper

43 100

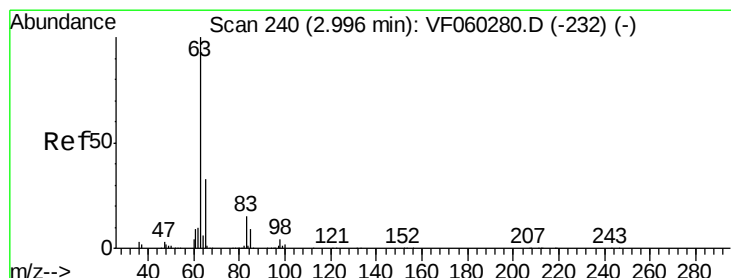
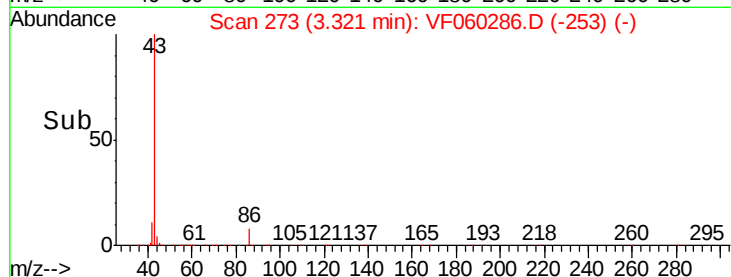
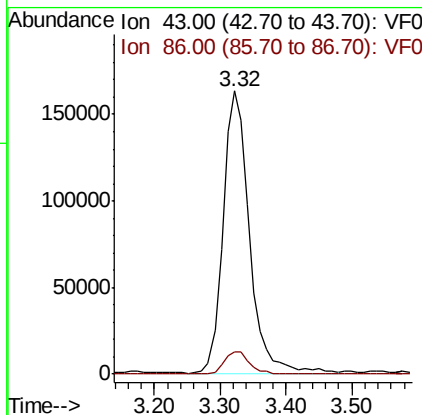
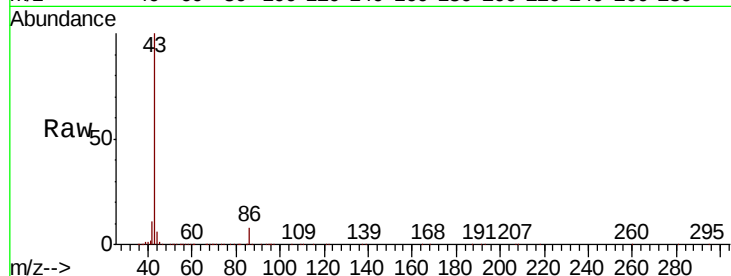
86 7.9 5.9 8.9

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#24

1,1-Dichloroethane

Concen: 20.17 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

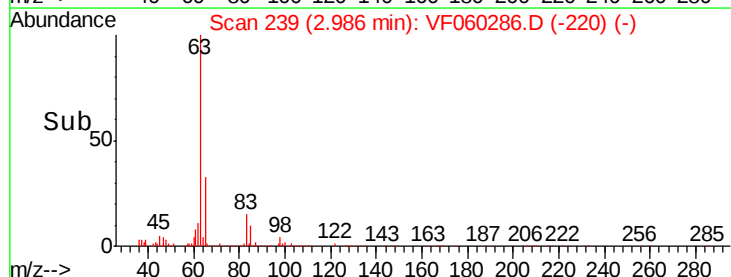
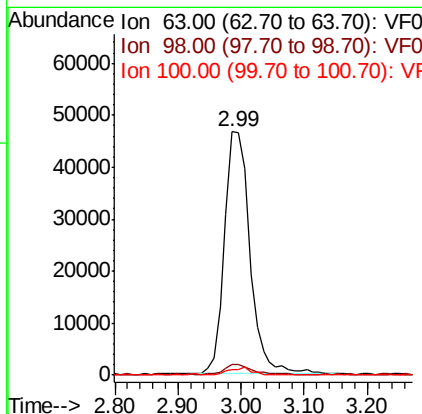
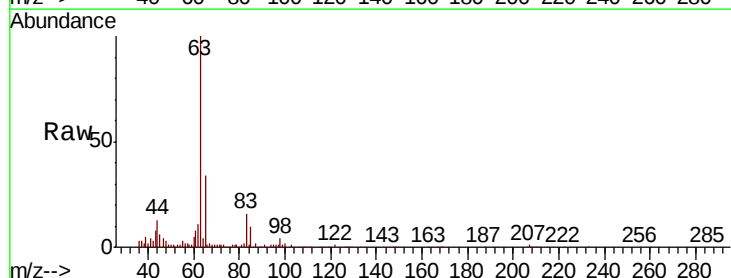
Tgt Ion: 63 Resp: 131201

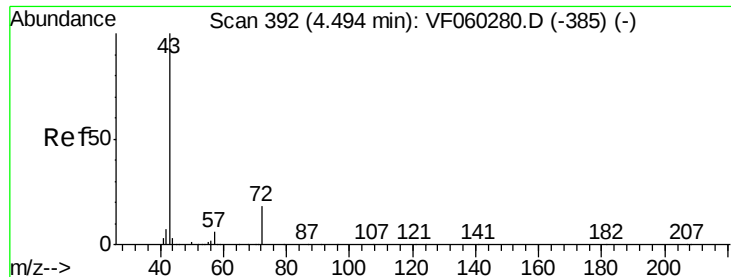
Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

100 2.4 1.1 3.3





#25

2-Butanone

Concen: 89.58 ug/l

RT: 4.49 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 43 Resp: 122392

Ion Ratio Lower Upper

43 100

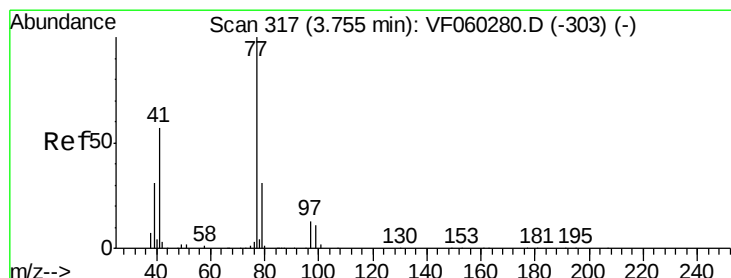
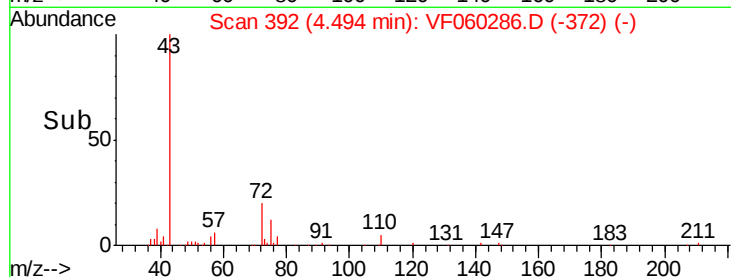
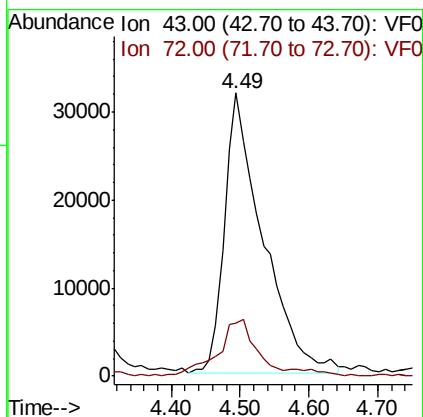
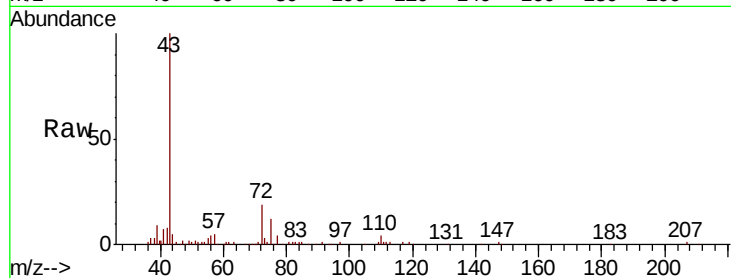
72 18.8 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 21.14 ug/l

RT: 3.75 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060286.D

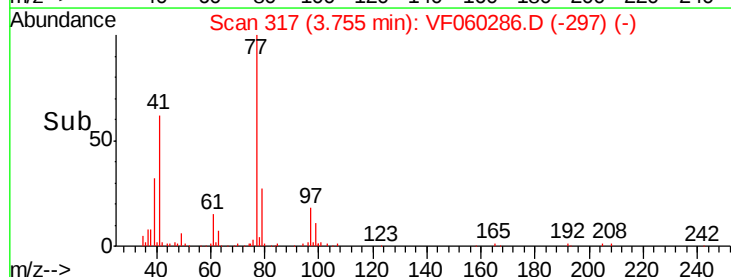
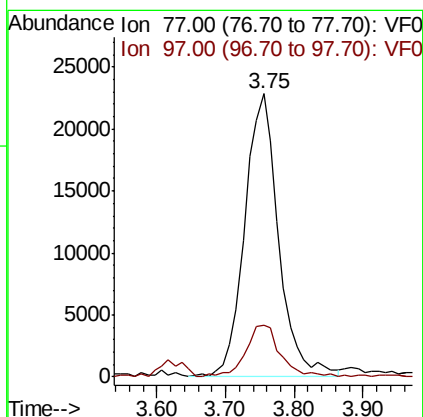
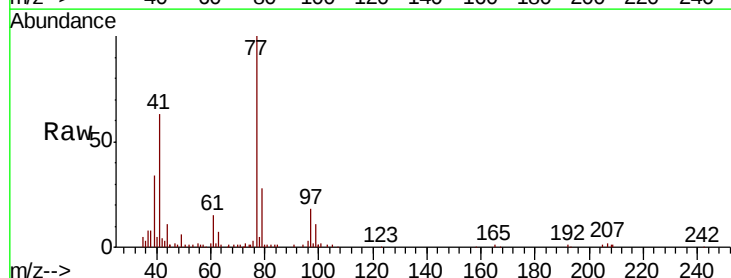
Acq: 19 Sep 2018 18:35

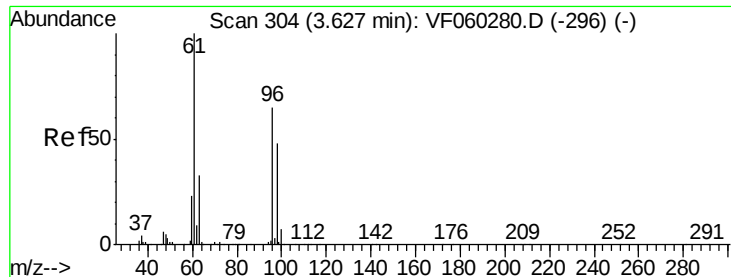
Tgt Ion: 77 Resp: 78454

Ion Ratio Lower Upper

77 100

97 18.3 9.3 27.9





#27

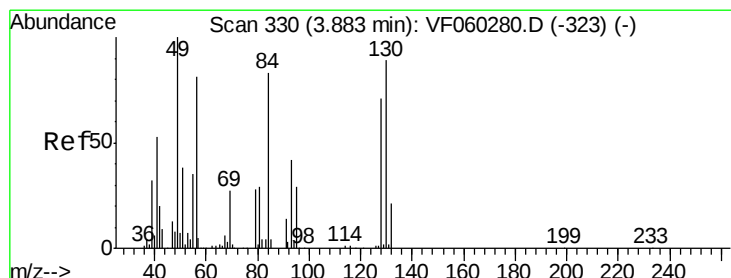
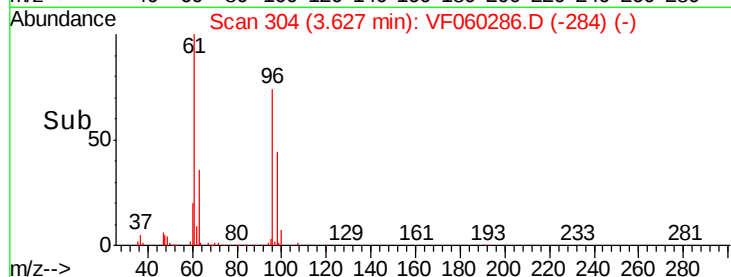
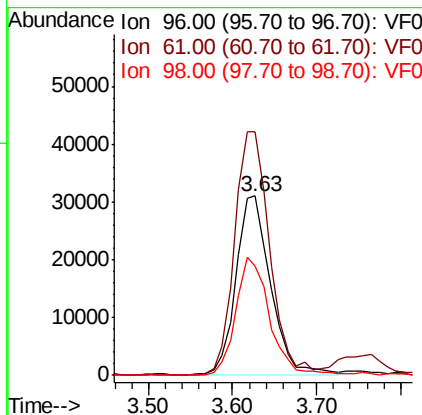
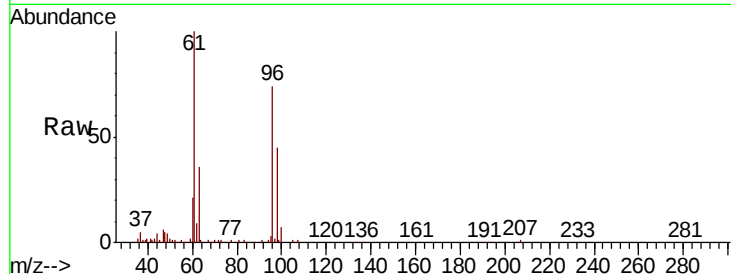
cis-1,2-Dichloroethene
Concen: 21.44 ug/l
RT: 3.63 min Scan# 304
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	304.8
98	60.7	0.0	146.4

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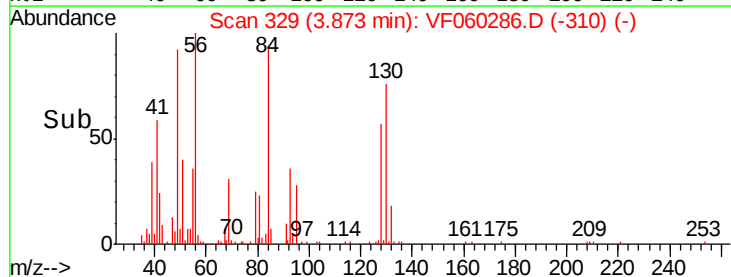
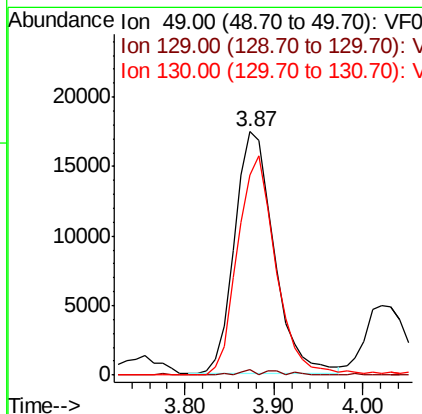
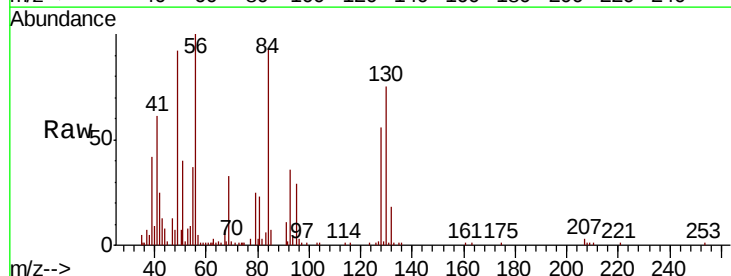
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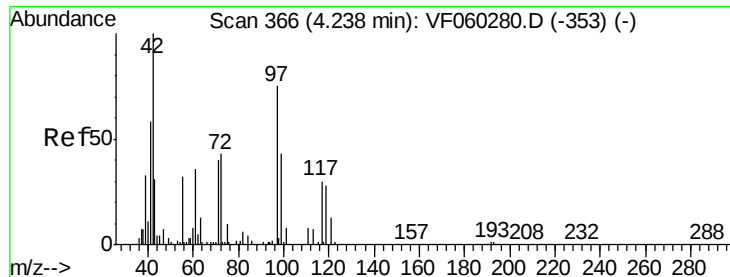


#28

Bromochloromethane
Concen: 21.05 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	83.0	70.3	105.5





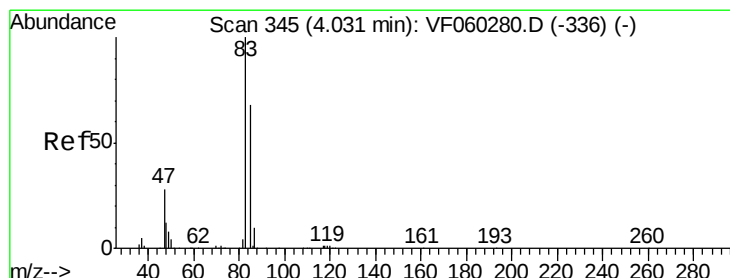
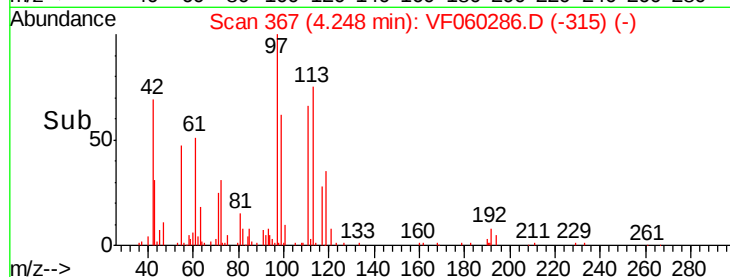
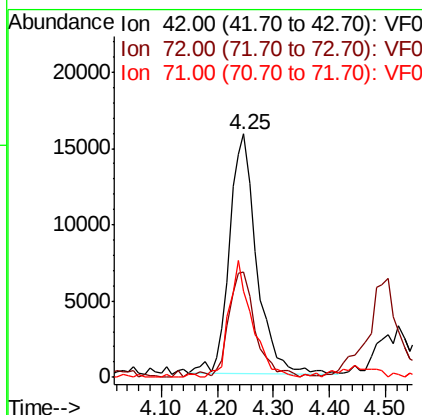
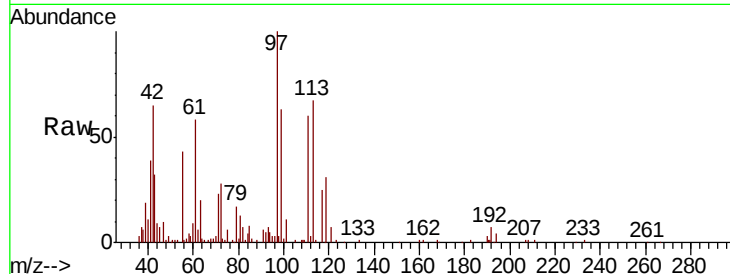
#29
Tetrahydrofuran
Concen: 105.56 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	32.6	49.0
71	41.6	32.7	49.1

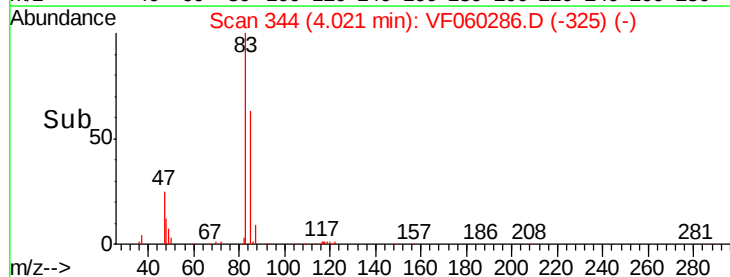
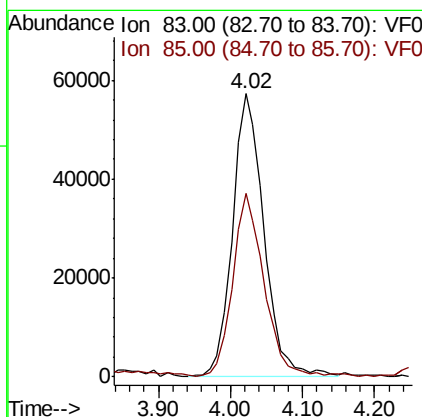
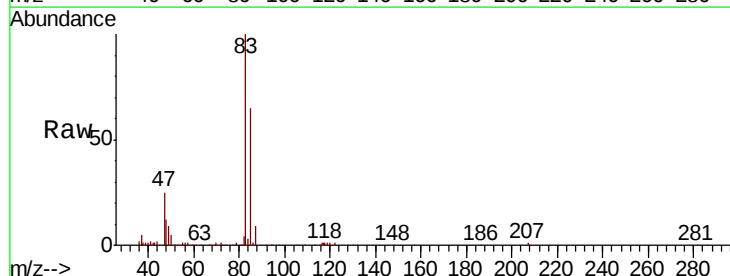
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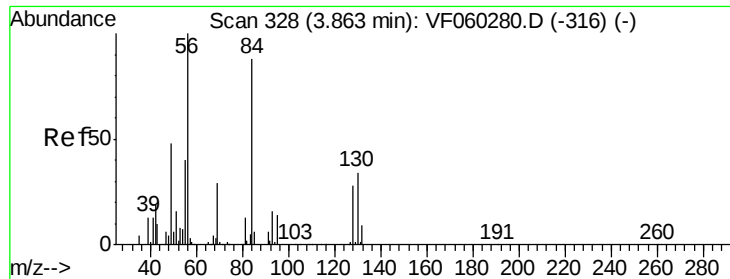
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#30
Chloroform
Concen: 21.95 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.9	82.3





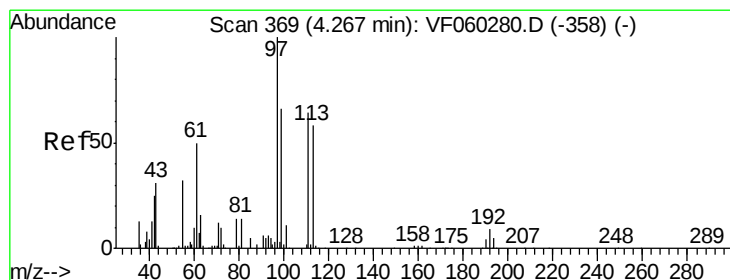
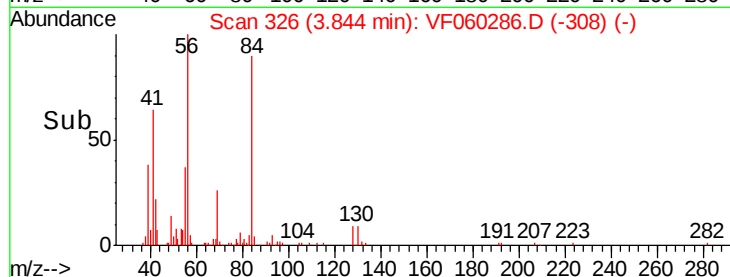
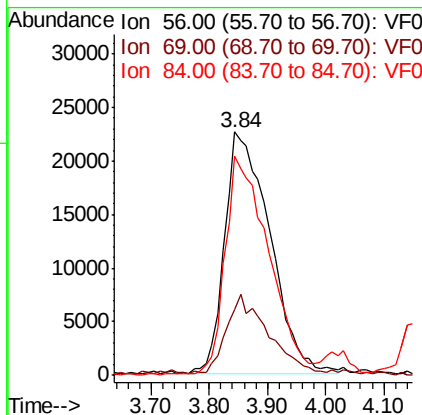
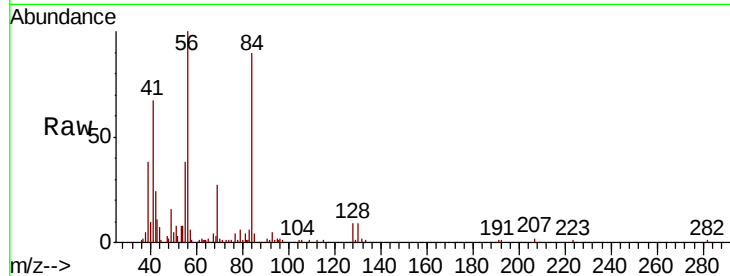
#31
Cyclohexane
Concen: 22.13 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	56	Resp	121594
Ion Ratio	Lower	Upper	
56	100		
69	26.8	23.8	35.6
84	89.8	70.2	105.4

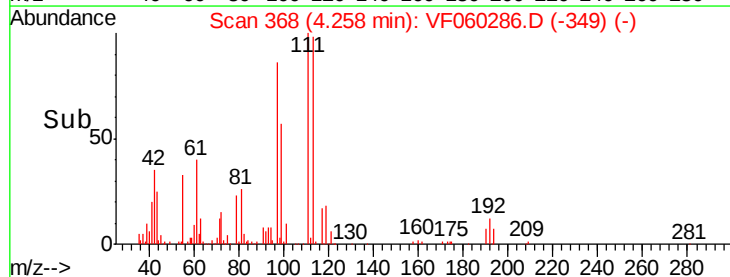
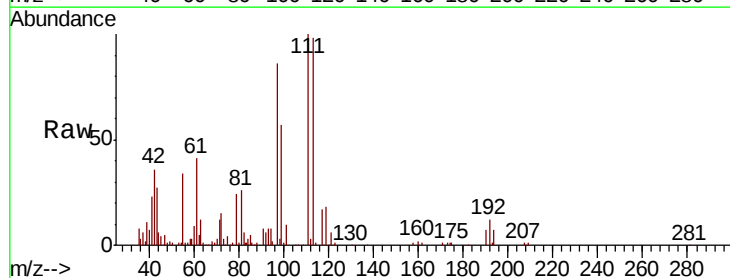
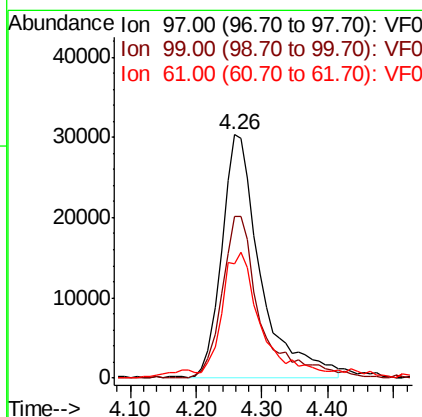
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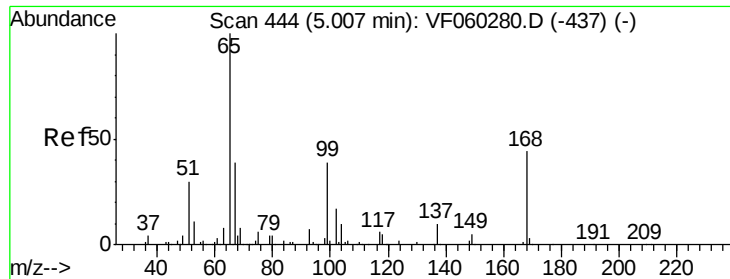
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#32
1,1,1-Trichloroethane
Concen: 20.25 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	97	Resp	125430
Ion Ratio	Lower	Upper	
97	100		
99	66.2	53.0	79.4
61	47.0	40.6	61.0





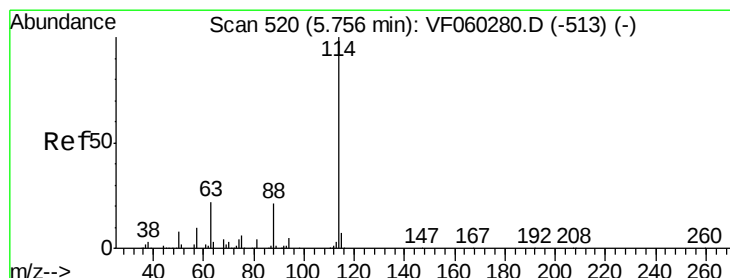
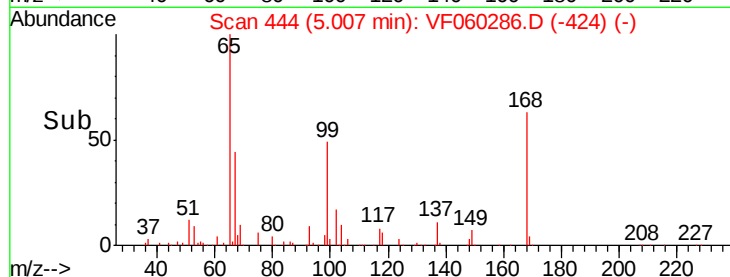
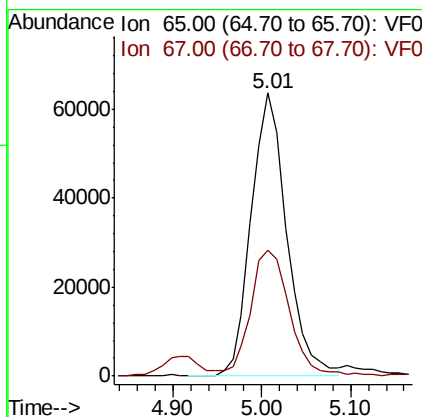
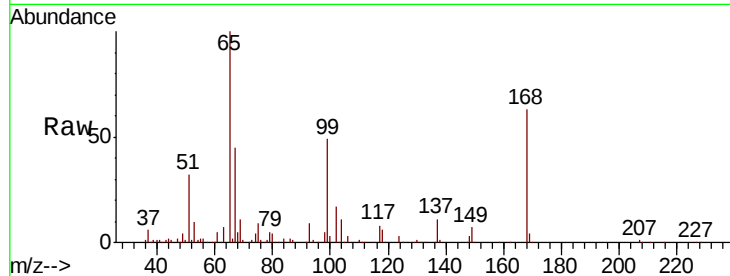
#33
 1,2-Dichloroethane-d4
 Concen: 48.32 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	174165		
67	44.5	0.0	94.4	

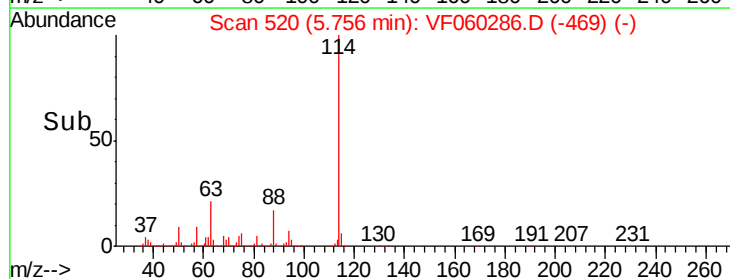
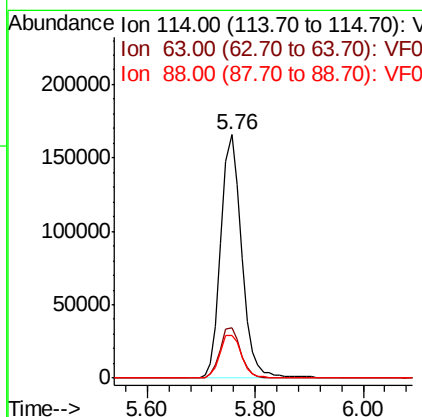
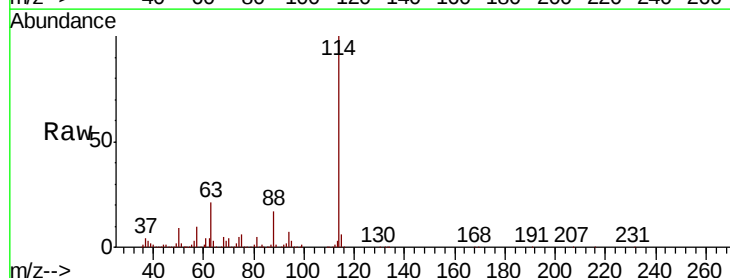
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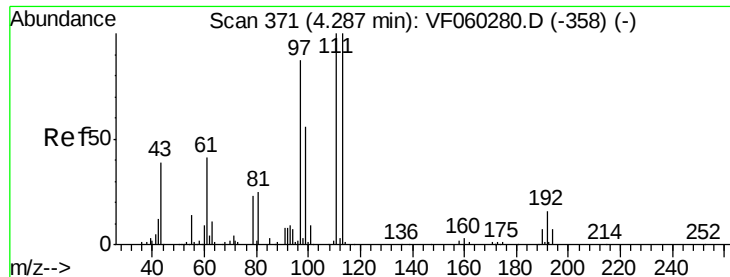
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	445180		
63	20.6	0.0	43.8	
88	17.4	0.0	41.2	





#35

Dibromofluoromethane

Concen: 50.81 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

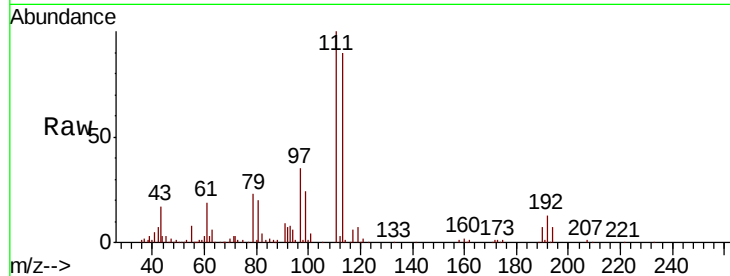
ClientSampleId :

VF0919SBS01

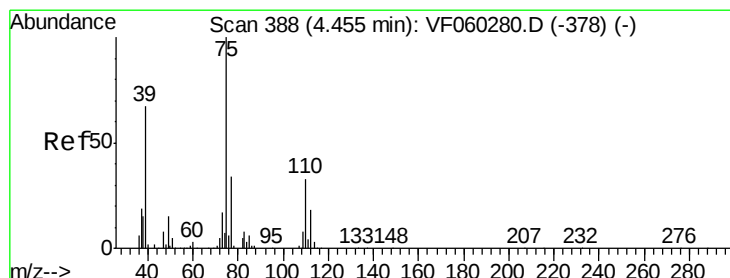
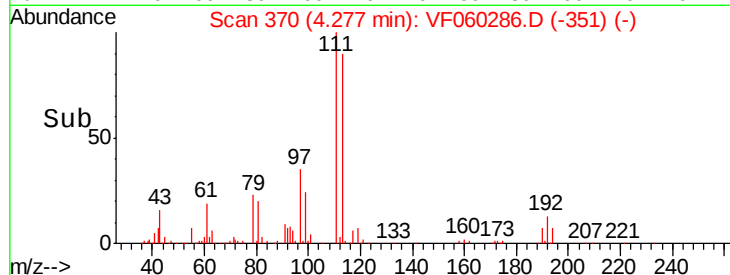
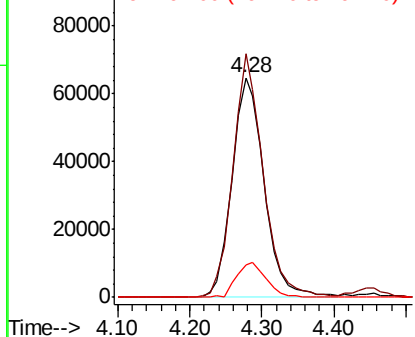
Tot Ion:	113	Resp:	201648
Ion Ratio	Lower	Upper	
113	100		
111	110.9	79.6	119.4
192	14.9	13.0	19.6

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Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.45 ug/l

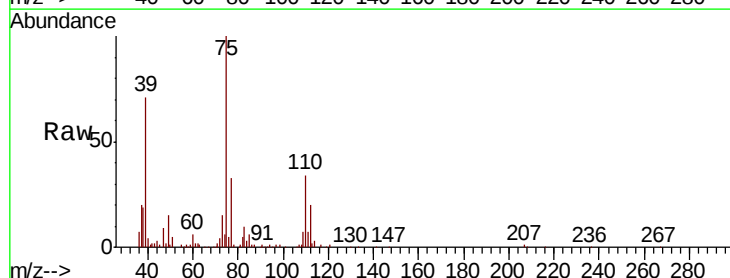
RT: 4.44 min Scan# 387

Delta R.T. -0.01 min

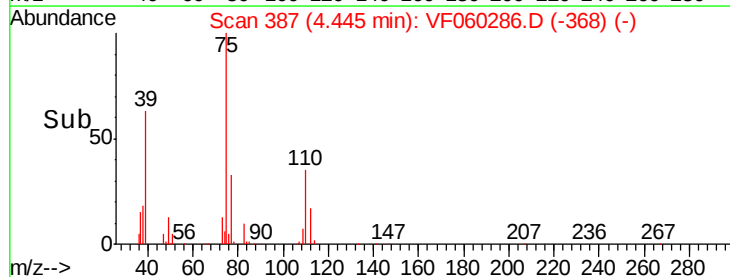
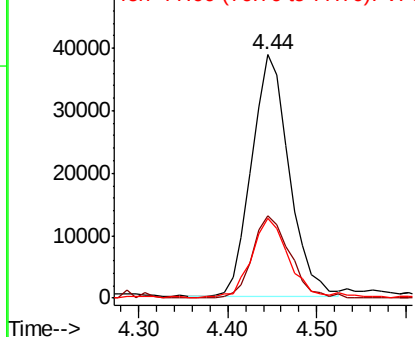
Lab File: VF060286.D

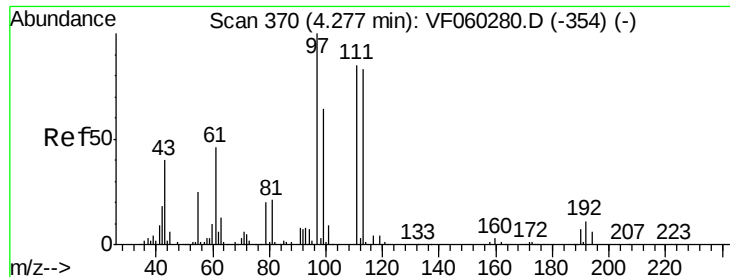
Acq: 19 Sep 2018 18:35

Tgt Ion:	75	Resp:	113579
Ion Ratio	Lower	Upper	
75	100		
110	33.9	16.4	49.2
77	32.8	27.3	40.9



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





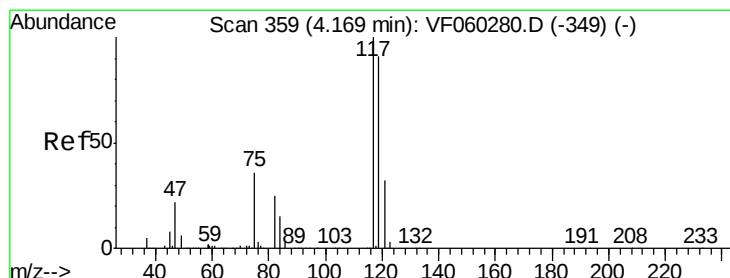
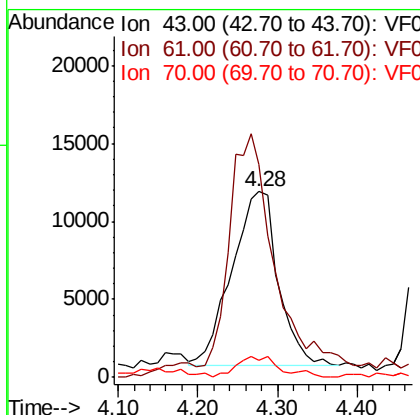
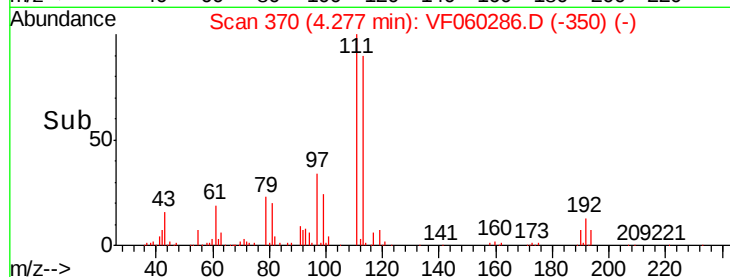
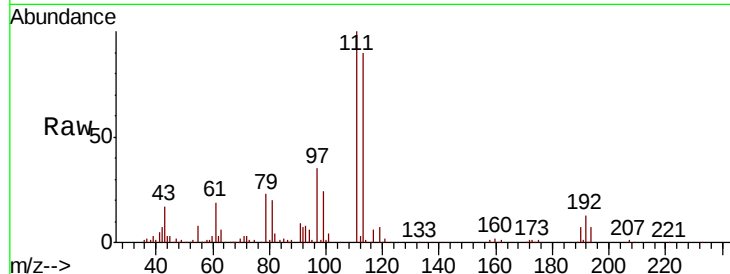
#37
Ethyl Acetate
Concen: 19.17 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	115.0	91.1	136.7	
70	9.1	6.9	10.3	

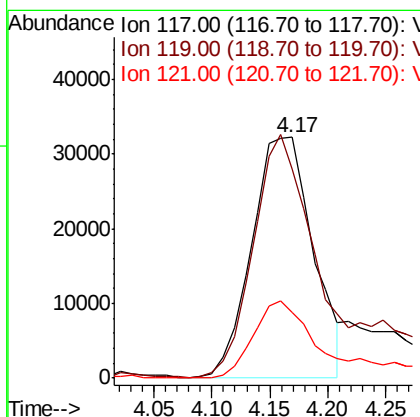
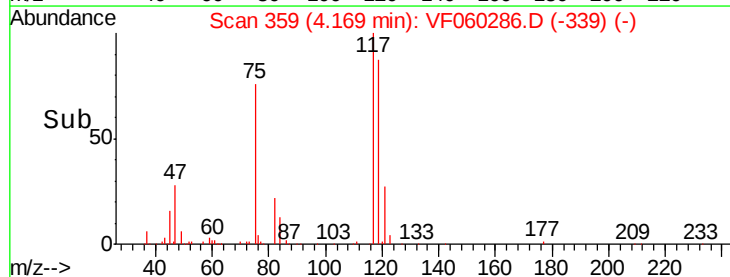
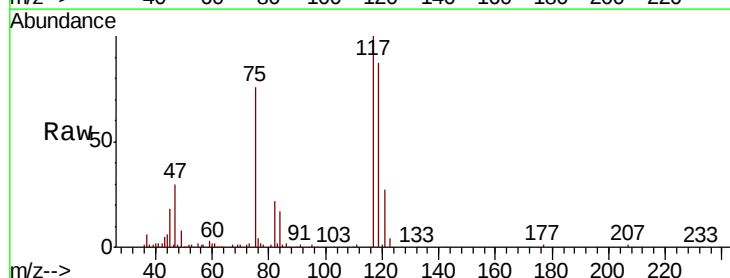
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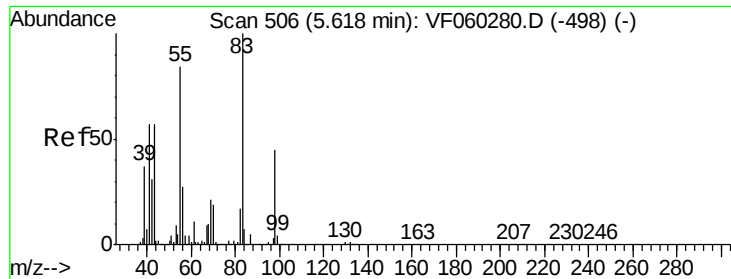
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#38
Carbon Tetrachloride
Concen: 19.95 ug/l m
RT: 4.17 min Scan# 359
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	86.9	73.0	109.6	
121	27.5	25.4	38.2	





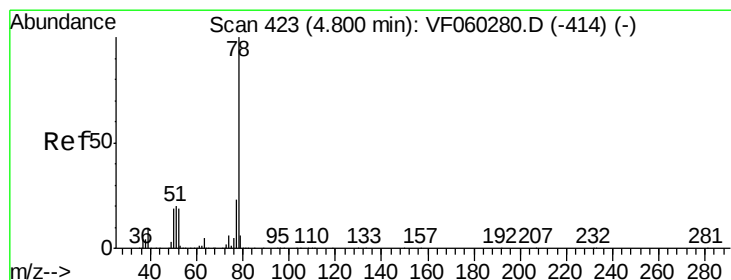
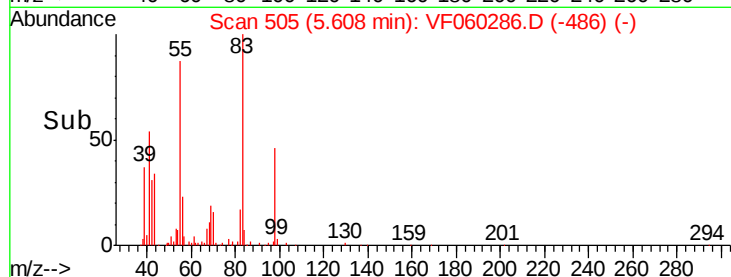
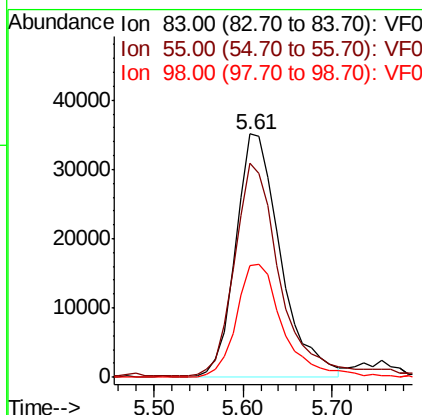
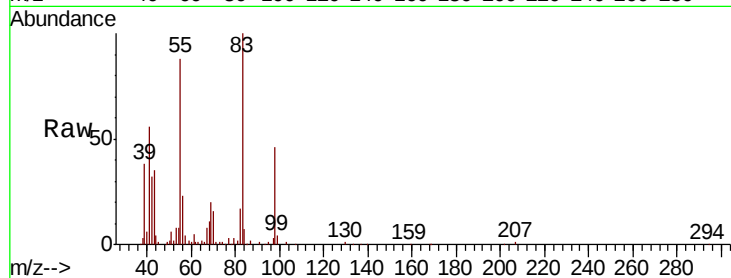
#39
Methvlcvclohexane
Concen: 20.42 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.9	67.3	100.9
98	45.8	36.1	54.1

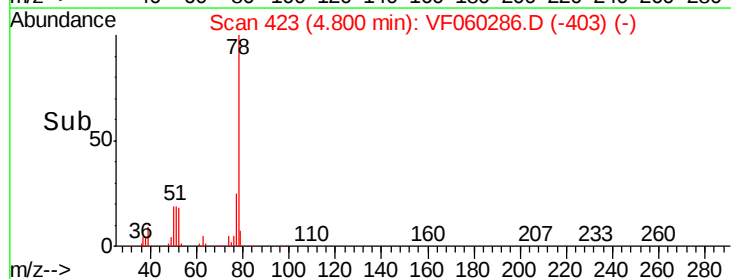
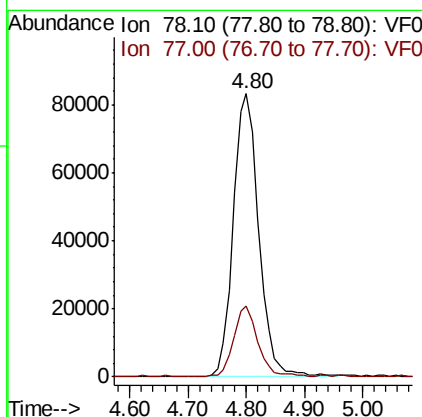
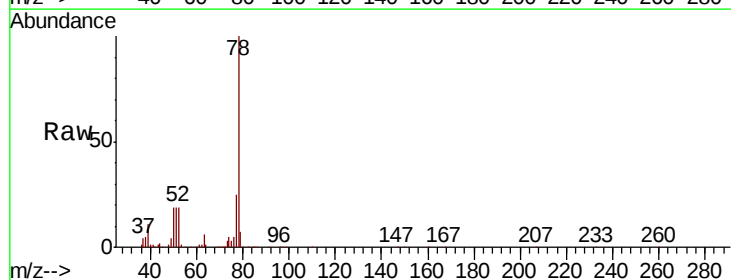
Manual Integrations
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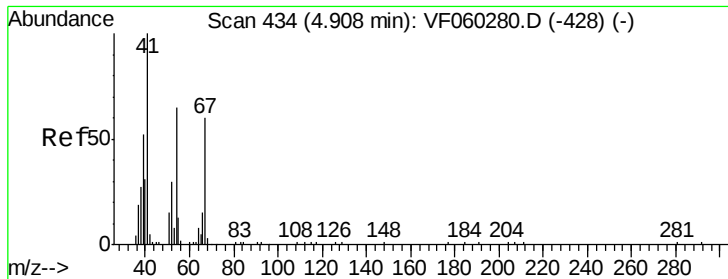
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#40
Benzene
Concen: 20.12 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.4	27.6





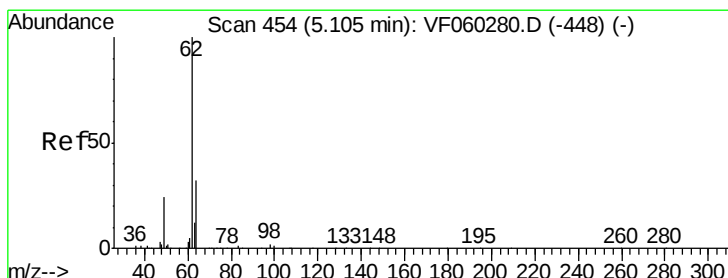
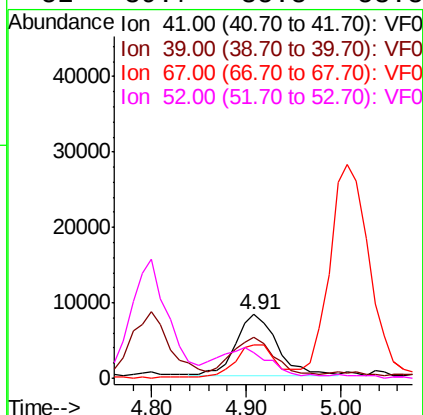
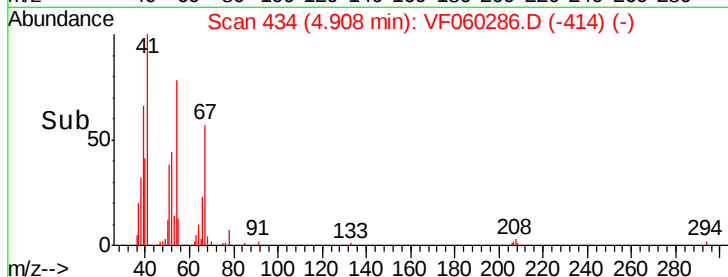
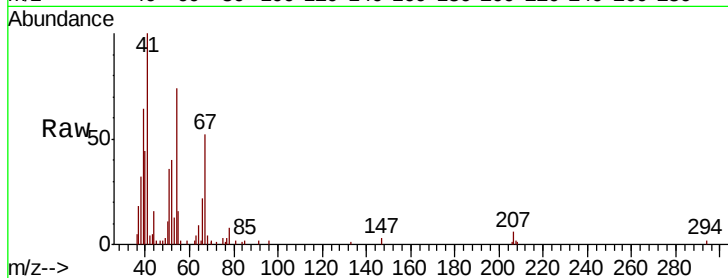
#41
Methacrylonitrile
Concen: 19.33 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.4	49.1	73.7
67	51.7	48.2	72.4
52	39.7	35.8	53.8

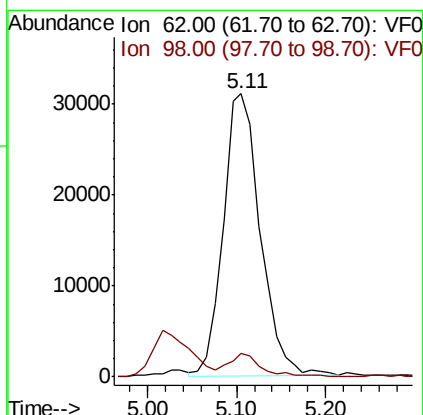
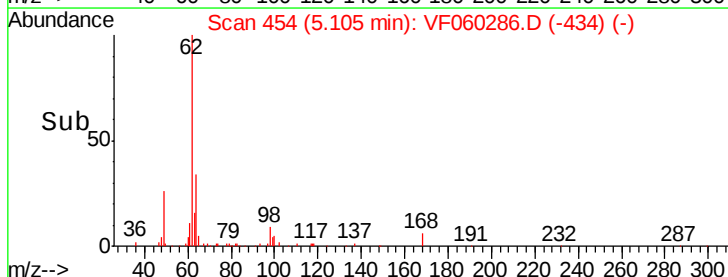
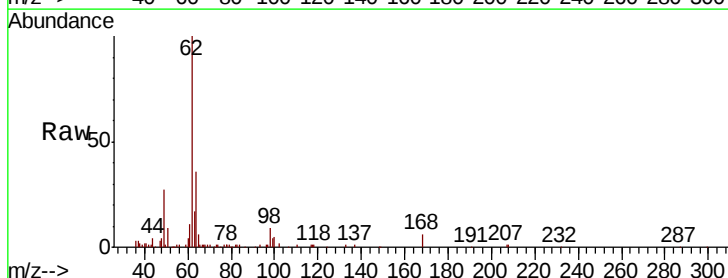
Manual Integrations
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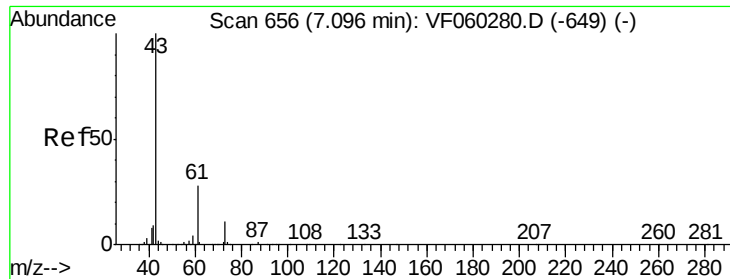
apatel
9/20/2018 11:55:06 AM



#42
1,2-Dichloroethane
Concen: 19.52 ug/l
RT: 5.11 min Scan# 454
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	14.4





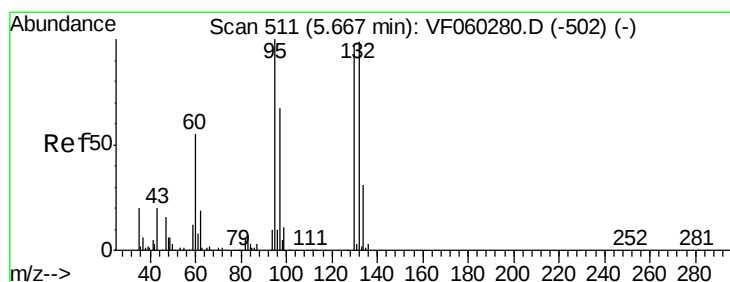
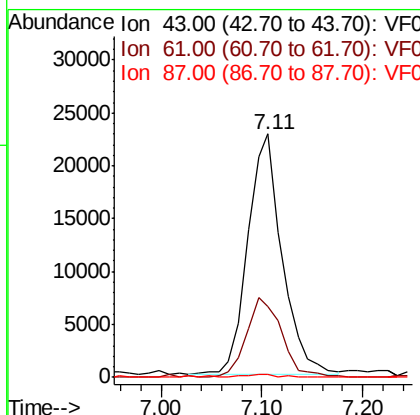
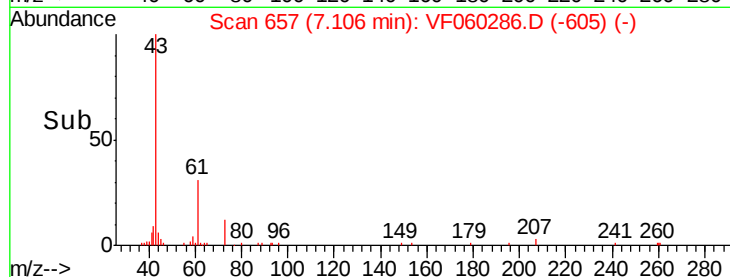
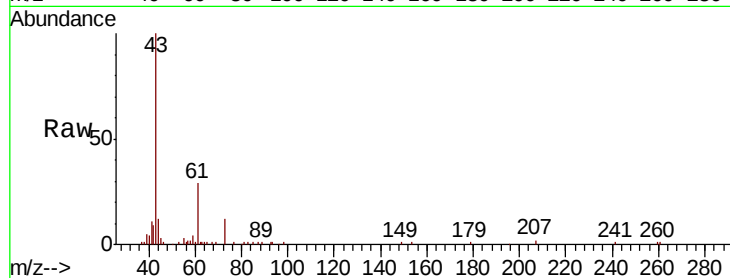
#43
Isopropyl Acetate
Concen: 18.90 ug/l
RT: 7.11 min Scan# 657
Delta R.T. 0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	22.4	33.6
87	1.3	0.6	0.8

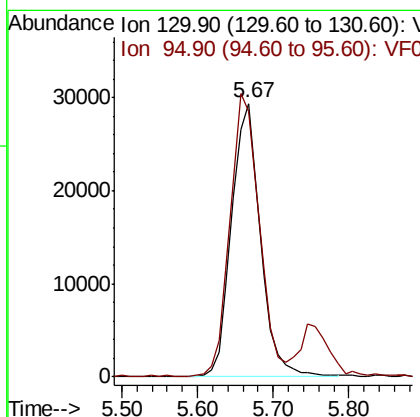
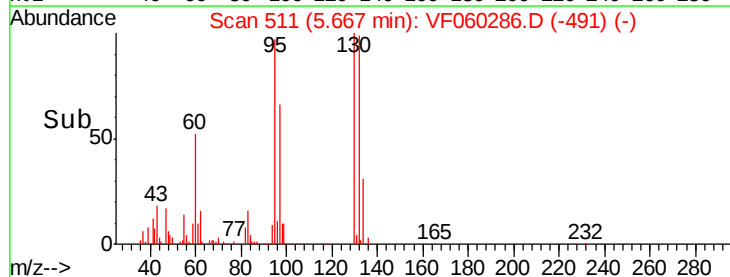
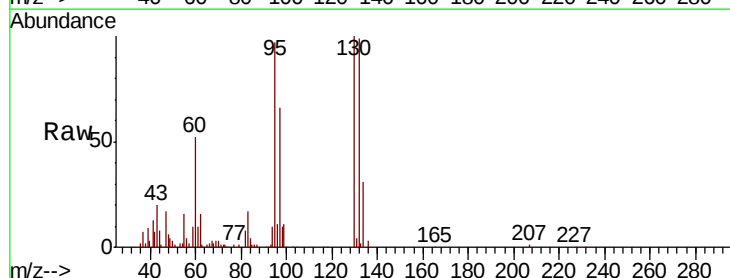
Manual Integrations
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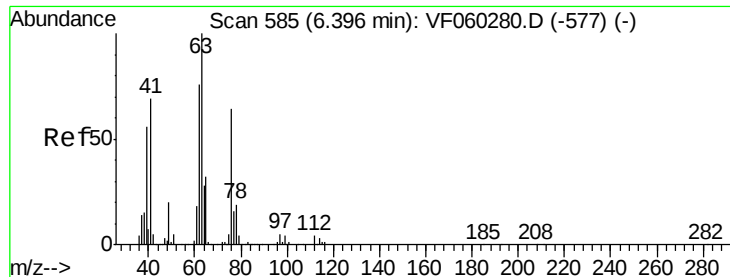
apatel
9/20/2018 11:55:06 AM



#44
Trichloroethene
Concen: 20.65 ug/l
RT: 5.67 min Scan# 511
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	205.6





#45

1,2-Dichloropropane

Concen: 20.52 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 63 Resp: 66877

Ion Ratio Lower Upper

63 100

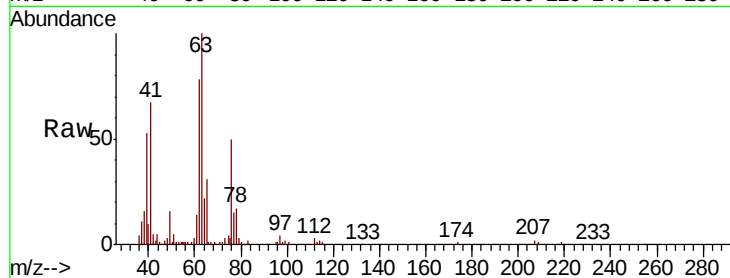
65 31.1 26.2 39.4

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

30000

25000

20000

15000

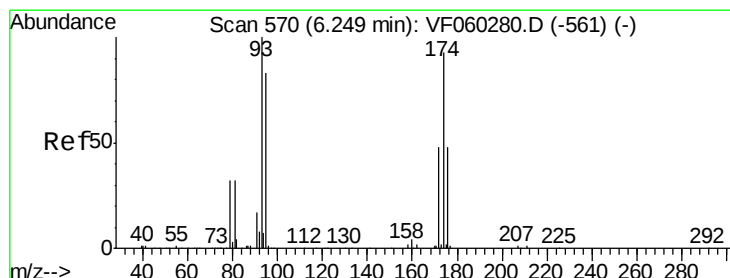
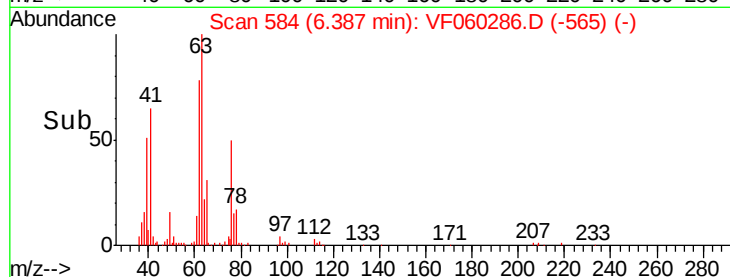
10000

5000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 19.74 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

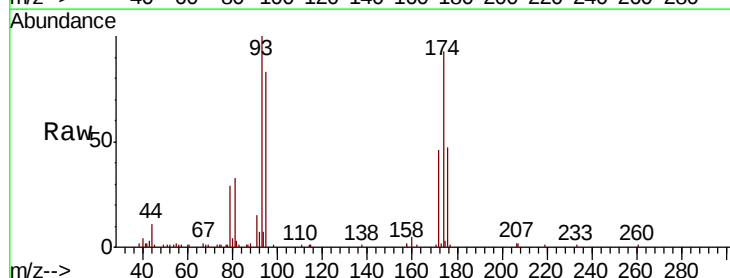
Tgt Ion: 93 Resp: 45974

Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.6

174 92.8 74.8 112.2



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

20000

15000

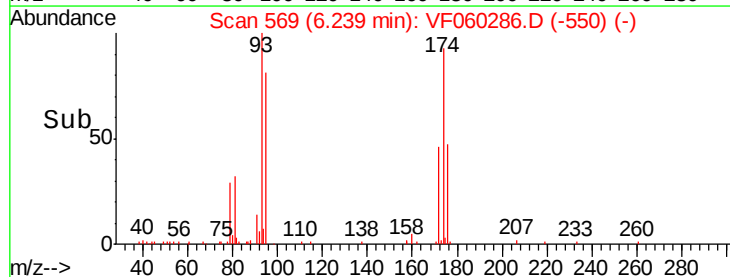
10000

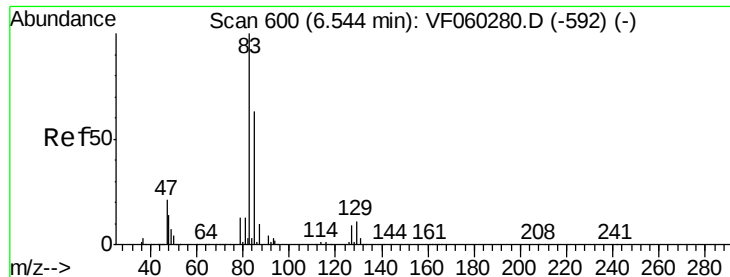
5000

0

6.10 6.20 6.30

Time-->





#47

Bromodichloromethane

Concen: 20.10 ug/l

RT: 6.53 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

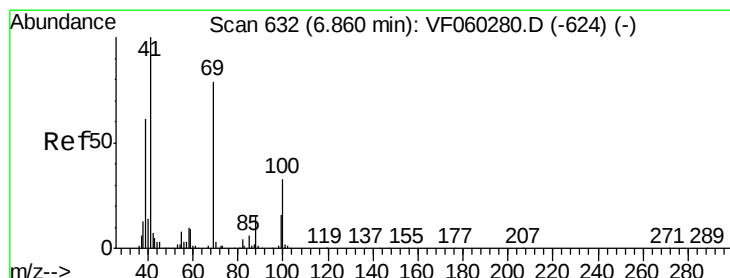
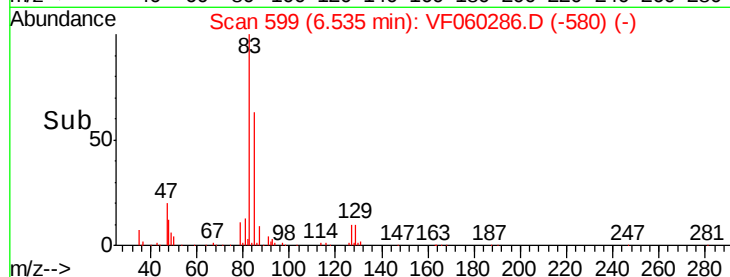
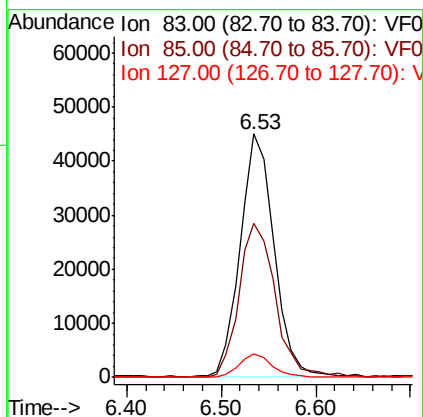
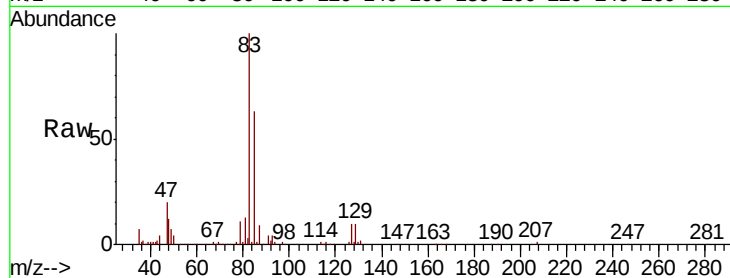
ClientSampleId :

VF0919SBS01

Tot Ion:	83	Resp:	112489
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.6	76.0
127	9.9	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.45 ug/l

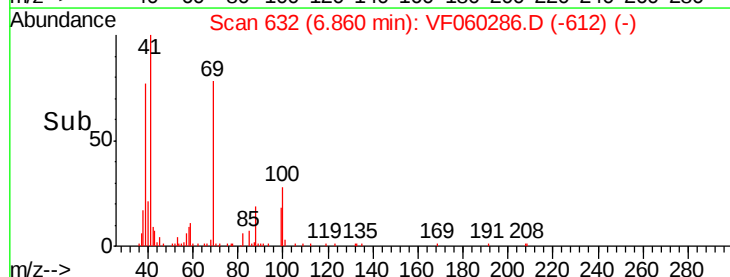
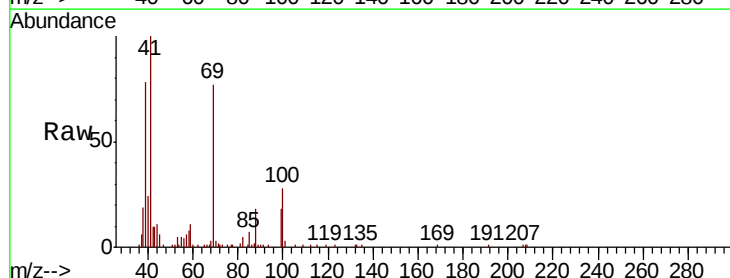
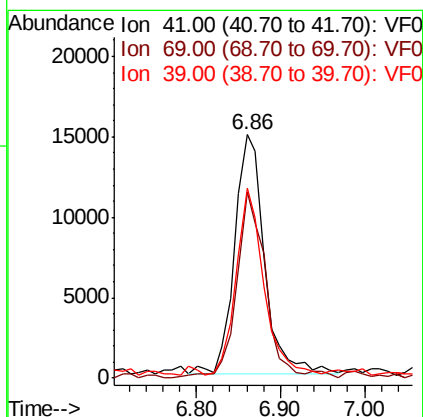
RT: 6.86 min Scan# 632

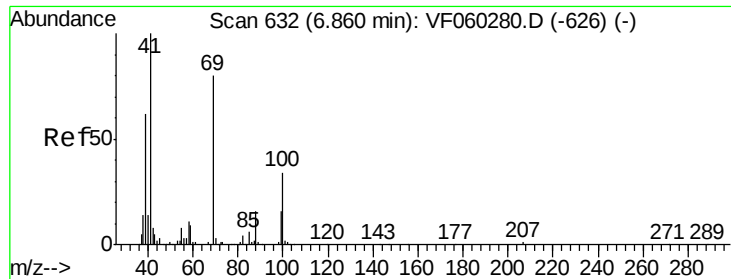
Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Tgt Ion:	41	Resp:	36632
Ion Ratio	Lower	Upper	
41	100		
69	76.5	62.6	94.0
39	77.8	49.1	73.7#





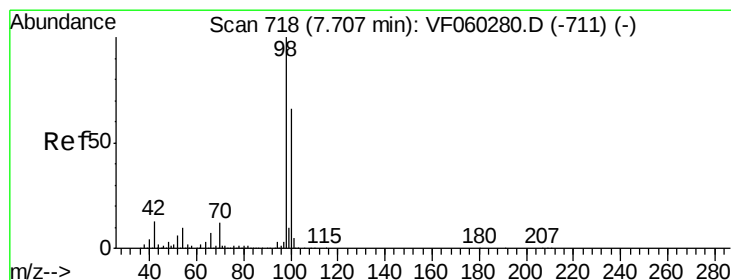
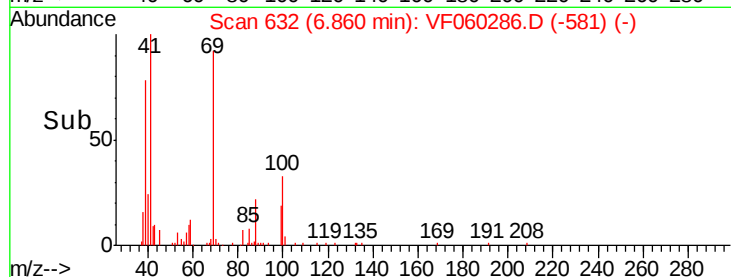
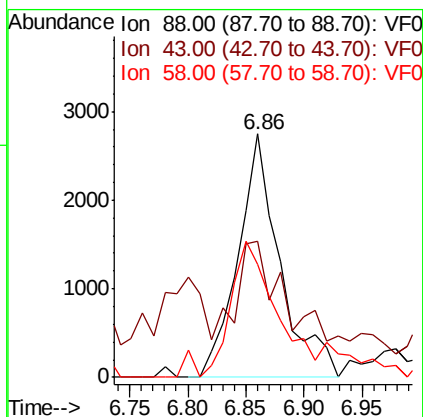
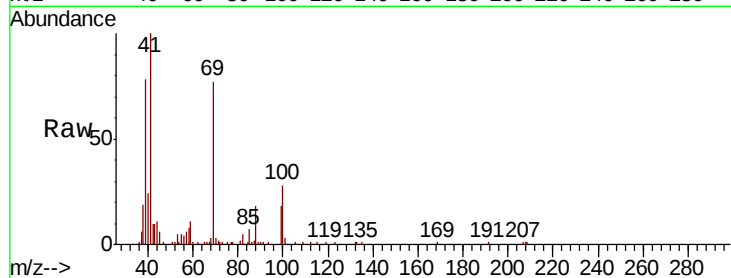
#49
1,4-Dioxane
Concen: 384.96 ug/l
RT: 6.86 min Scan# 632
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.8	40.2	60.4
58	46.4	56.7	85.1#

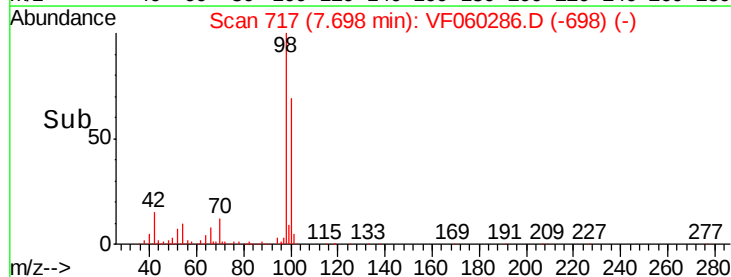
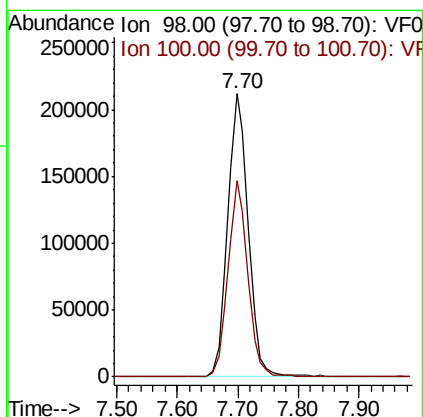
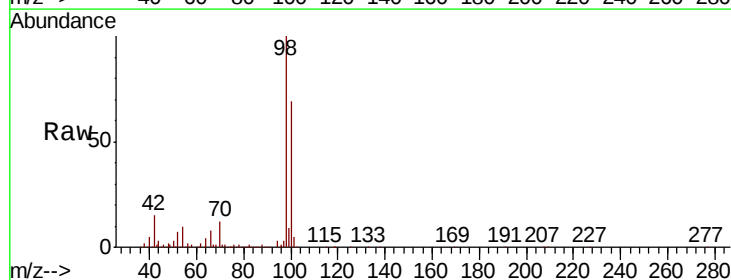
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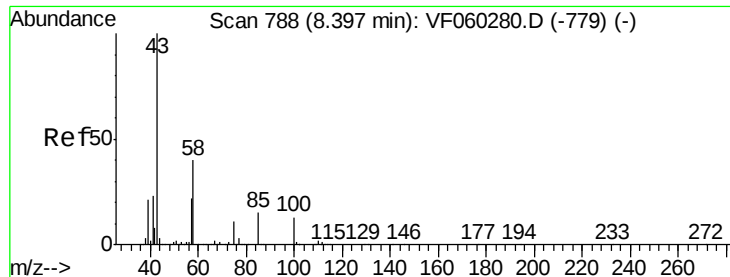
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#50
Toluene-d8
Concen: 48.41 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.5	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 90.52 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 43 Resp: 197341

Ion Ratio Lower Upper

43 100

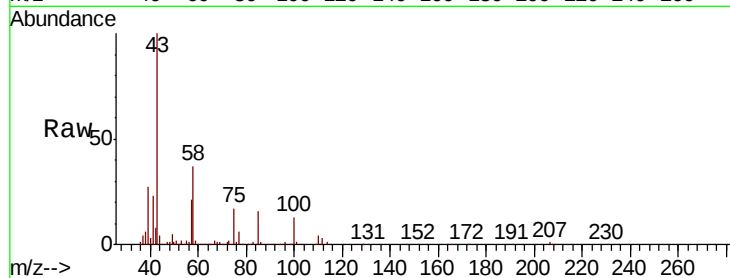
58 36.6 31.8 47.8

Manual Integrations

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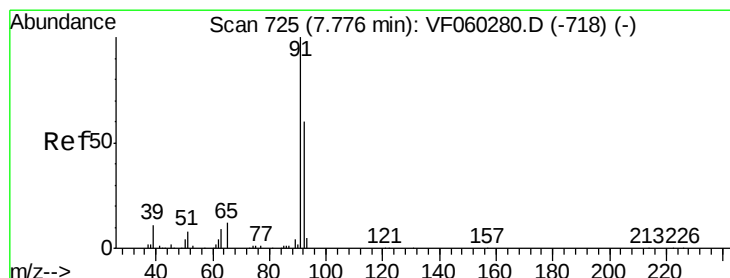
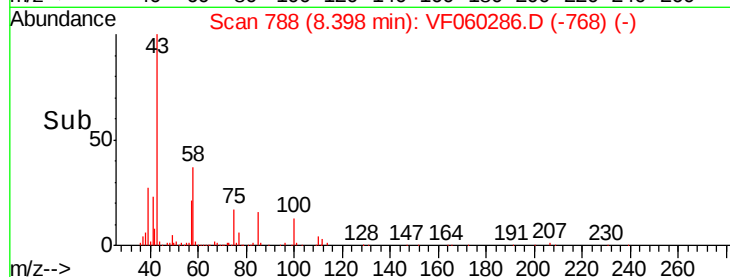
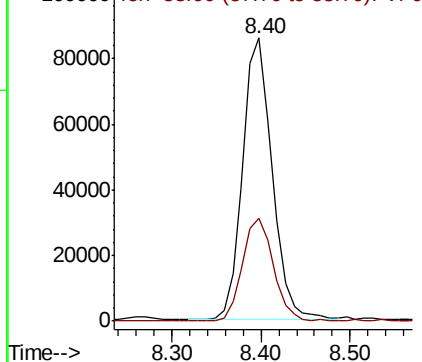
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.15 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060286.D

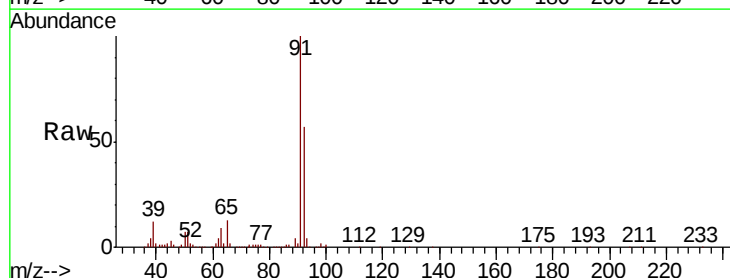
Acq: 19 Sep 2018 18:35

Tgt Ion: 92 Resp: 160534

Ion Ratio Lower Upper

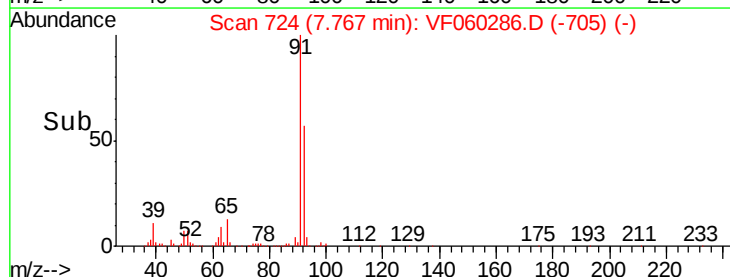
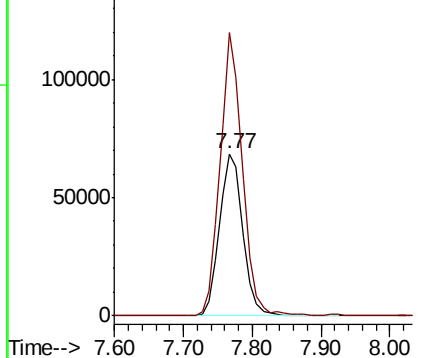
92 100

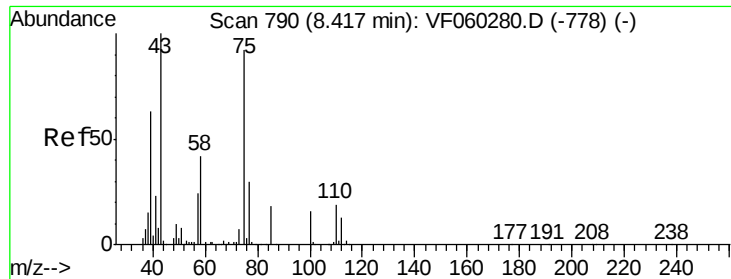
91 175.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 19.61 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 75 Resp: 88551

Ion Ratio Lower Upper

75 100

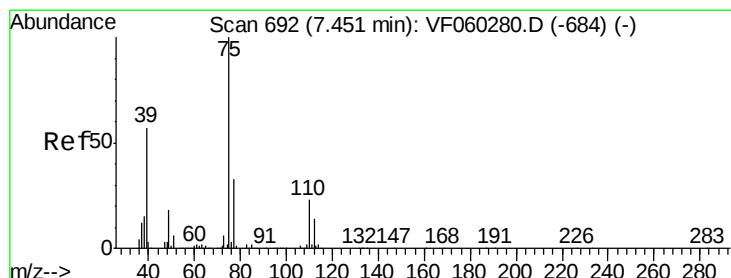
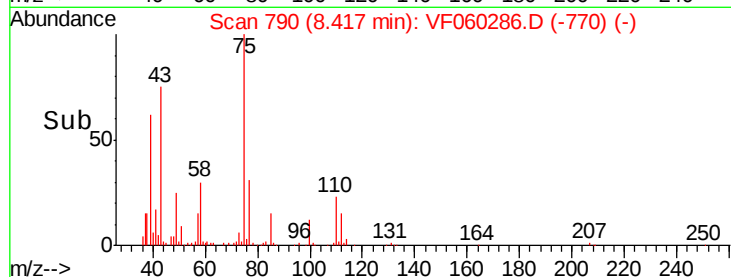
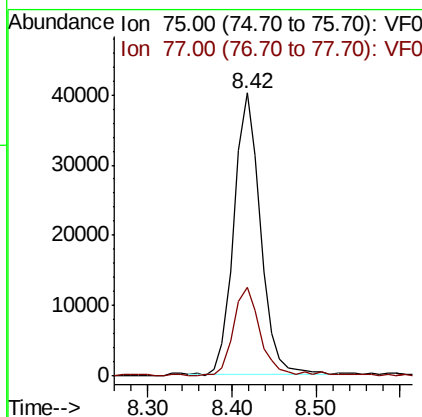
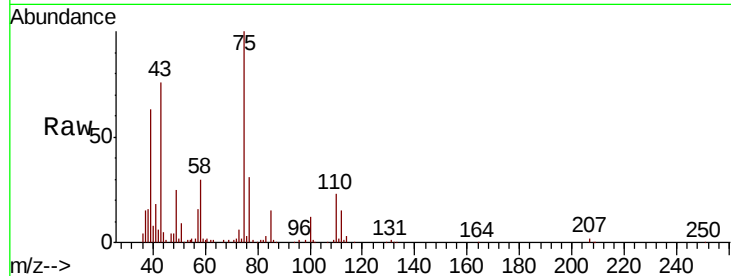
77 31.2 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 19.85 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

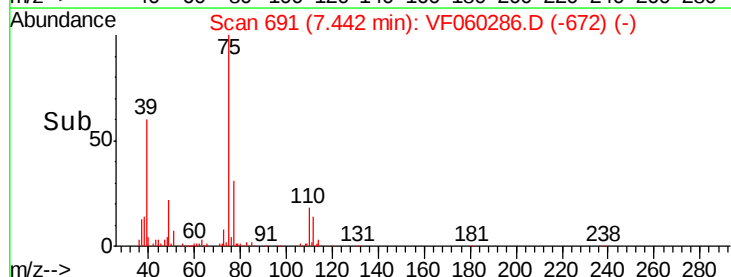
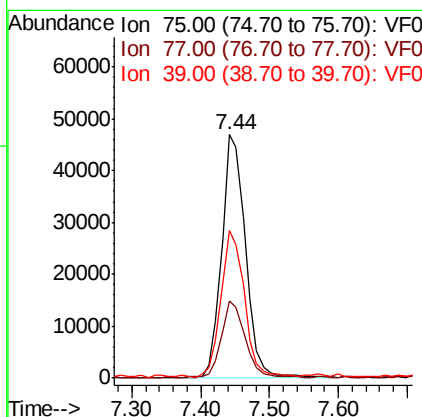
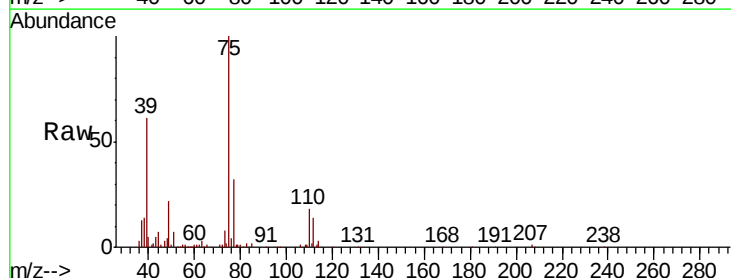
Tgt Ion: 75 Resp: 112892

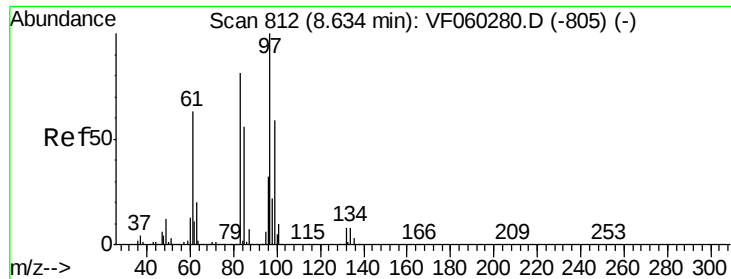
Ion Ratio Lower Upper

75 100

77 31.6 26.3 39.5

39 60.8 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 20.16 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

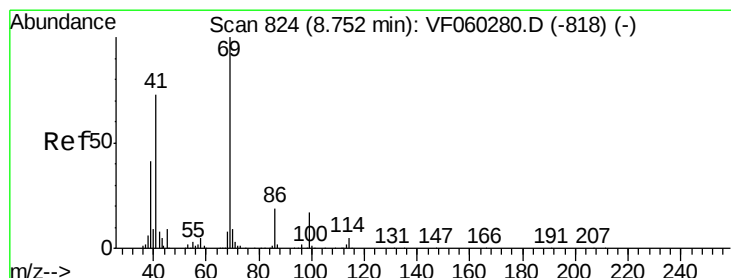
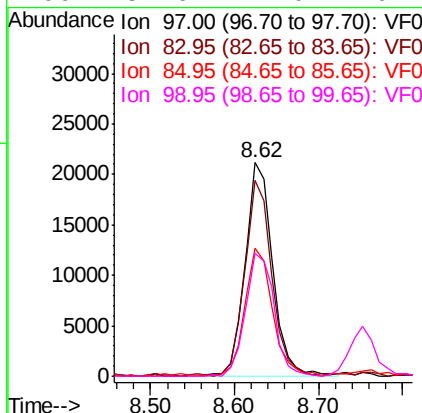
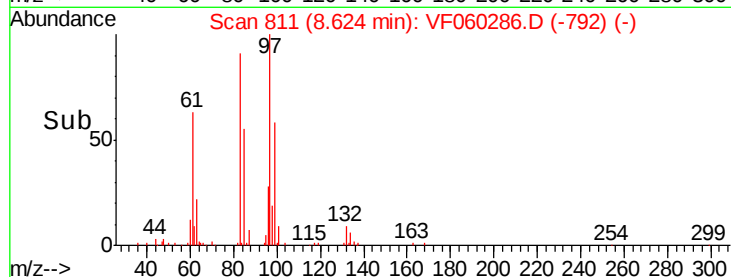
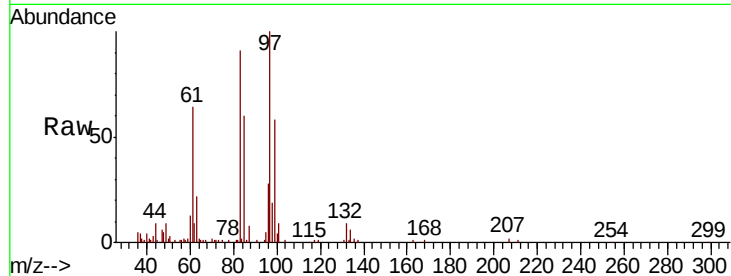
ClientSampleId :

VF0919SBS01

Tot Ion:	97	Resp:	48732
Ion	Ratio	Lower	Upper
97	100		
83	91.5	65.3	97.9
85	60.1	44.7	67.1
99	57.6	47.0	70.4

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#56

Ethyl methacrylate

Concen: 18.93 ug/l

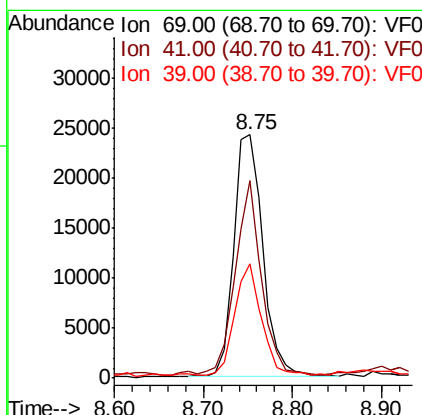
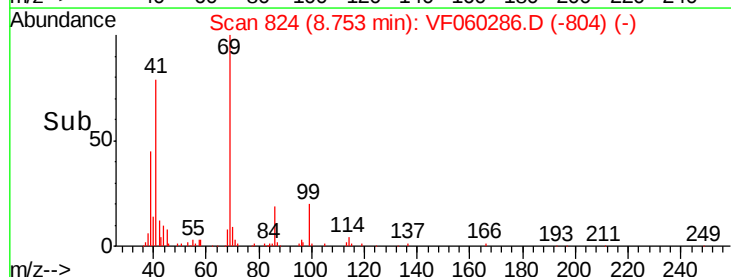
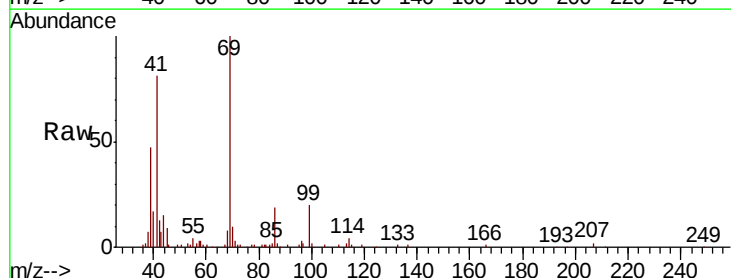
RT: 8.75 min Scan# 824

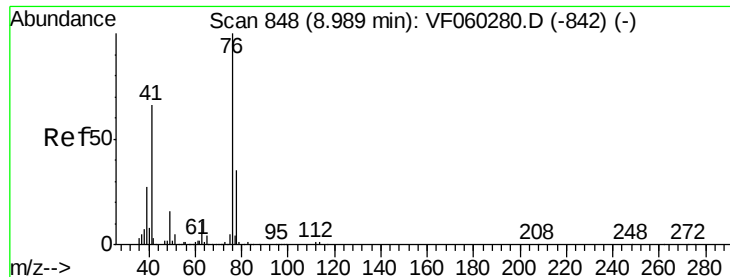
Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Tgt Ion:	69	Resp:	55272
Ion	Ratio	Lower	Upper
69	100		
41	81.0	59.4	89.2
39	46.8	33.5	50.3





#57

1,3-Dichloropropane

Concen: 20.74 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 76 Resp: 83020

Ion Ratio Lower Upper

76 100

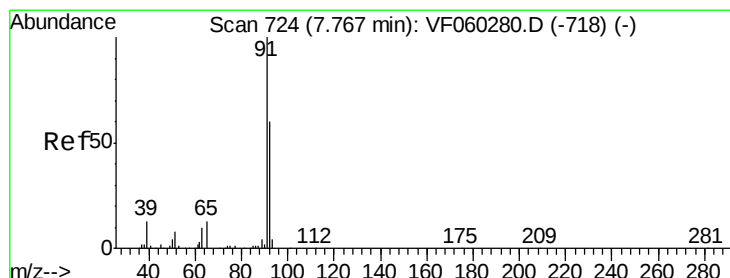
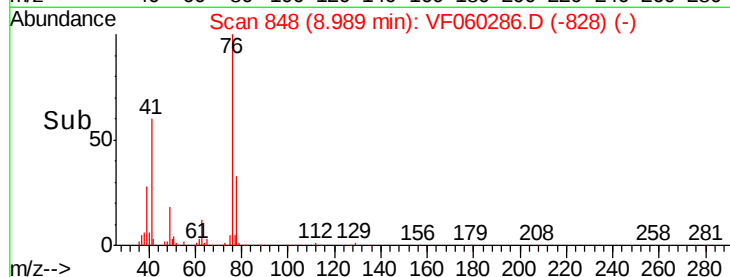
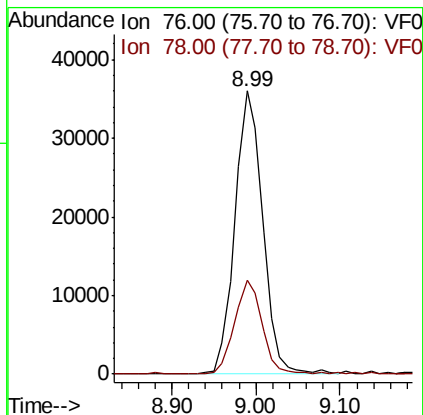
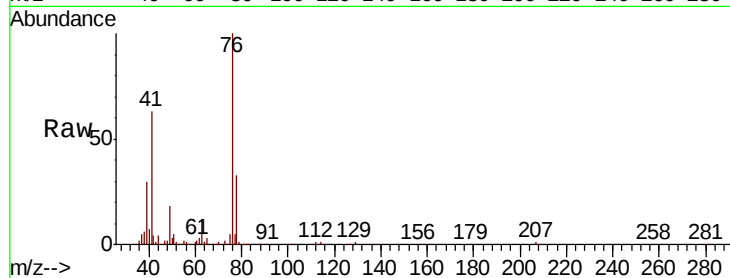
78 33.2 28.2 42.2

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#58

2-Chloroethyl Vinyl ether

Concen: 98.86 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.00 min

Lab File: VF060286.D

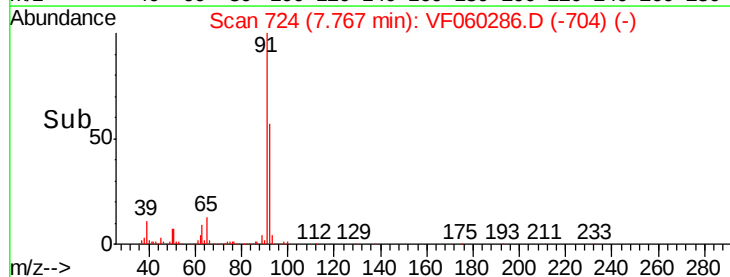
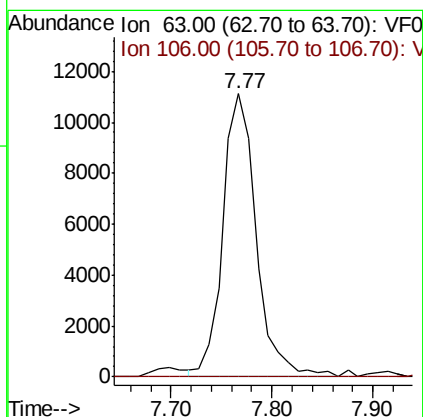
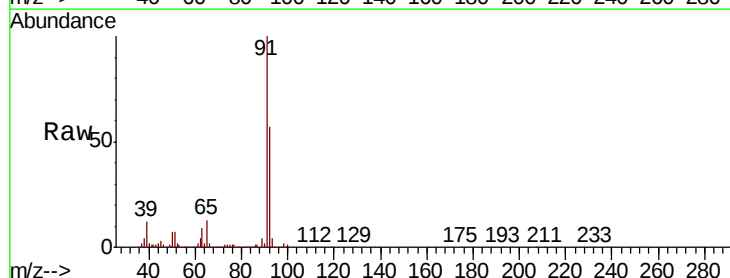
Acq: 19 Sep 2018 18:35

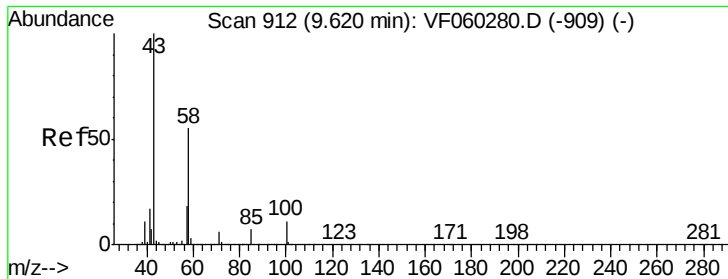
Tgt Ion: 63 Resp: 25519

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





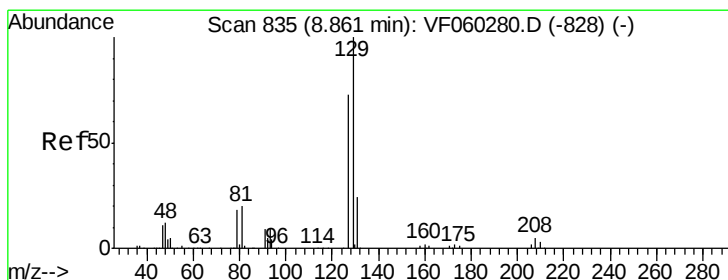
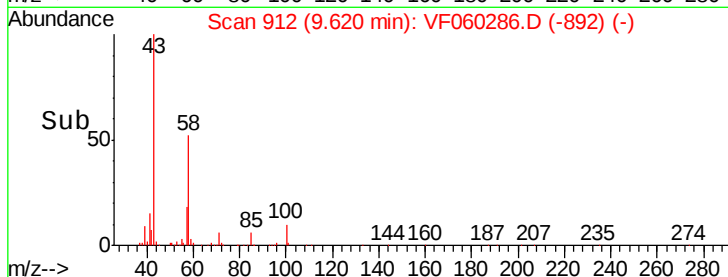
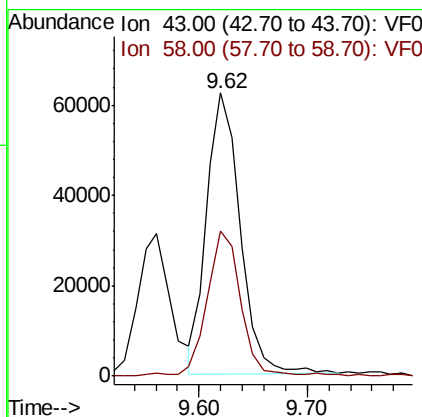
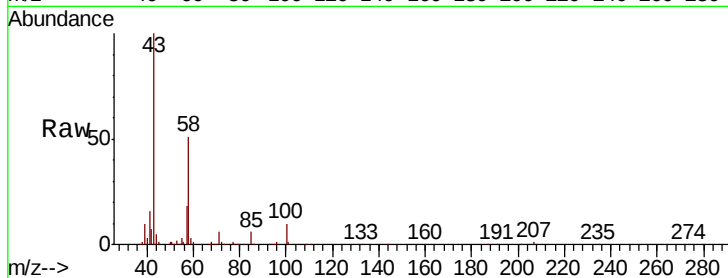
#59
2-Hexanone
Concen: 85.93 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion: 43 Resp: 133387
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.6

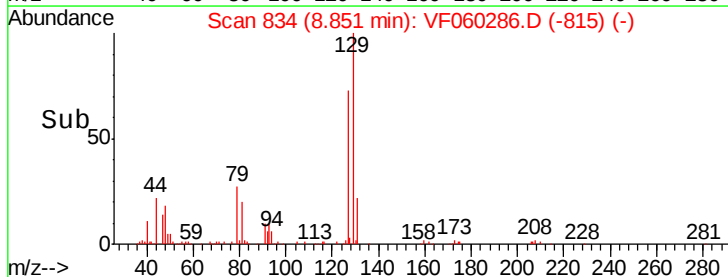
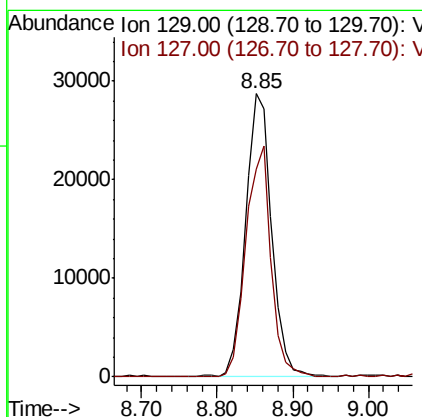
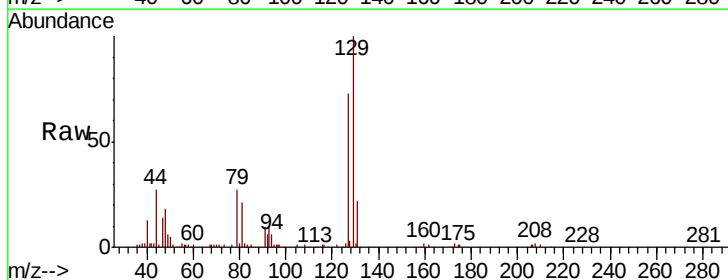
Manual Integrations
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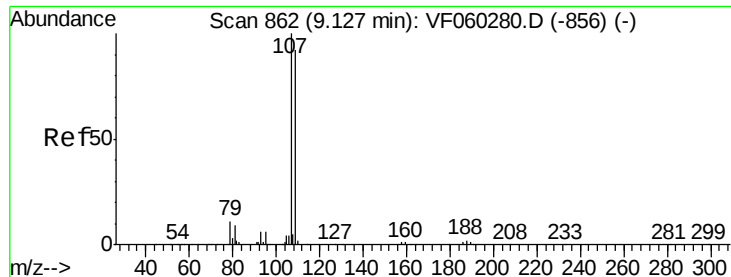
apatel
9/20/2018 11:55:06 AM



#60
Dibromochloromethane
Concen: 19.11 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion: 129 Resp: 68865
Ion Ratio Lower Upper
129 100
127 76.8 36.6 109.8





#61

1,2-Dibromoethane

Concen: 19.78 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion:107 Resp: 53258

Ion Ratio Lower Upper

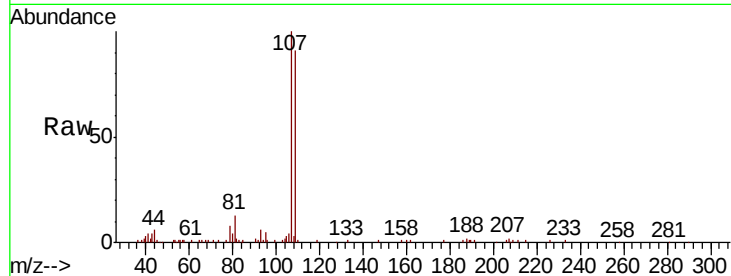
107 100

109 91.4 73.2 109.8

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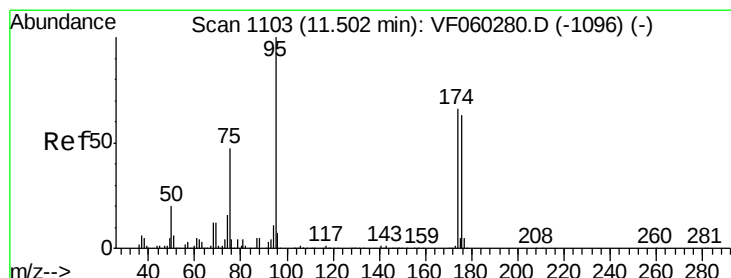
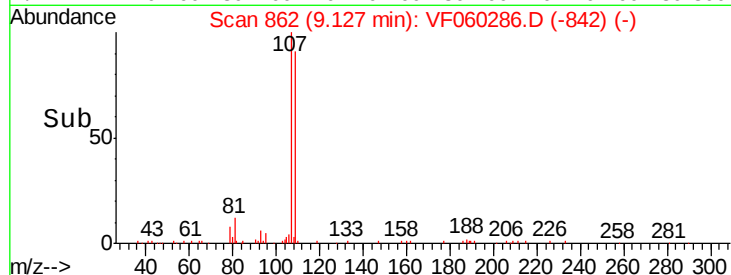
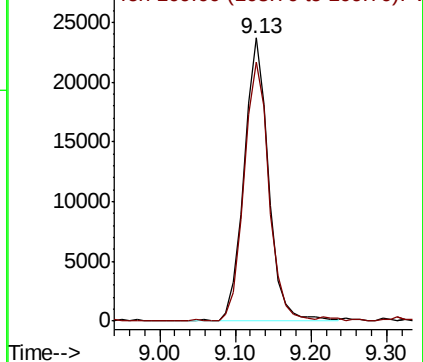
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.79 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

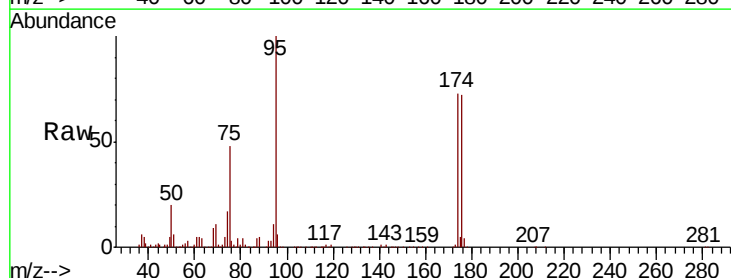
Tgt Ion: 95 Resp: 213490

Ion Ratio Lower Upper

95 100

174 73.3 0.0 131.2

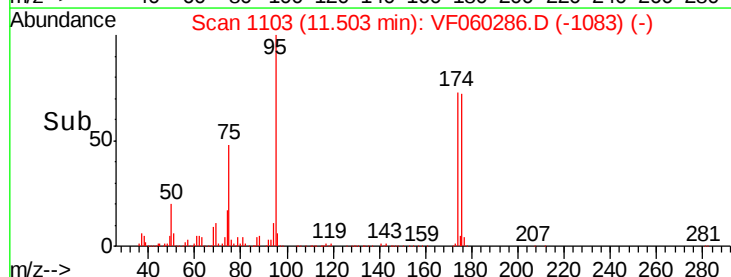
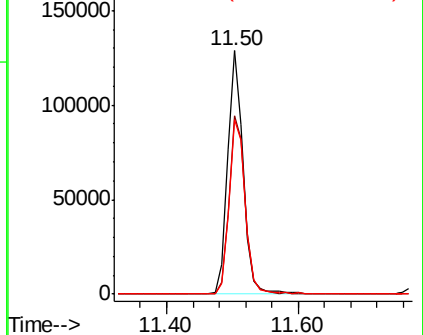
176 71.9 0.0 126.6

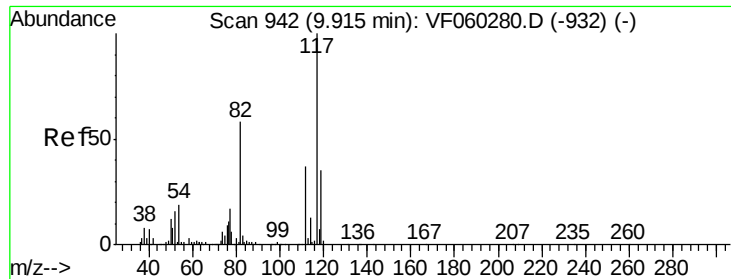


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





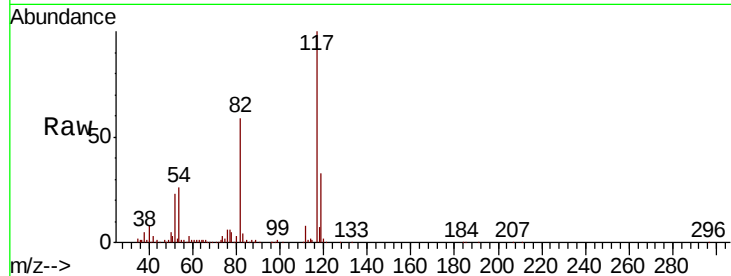
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	396790		
82	59.4	46.2	69.2	
119	32.9	27.8	41.6	

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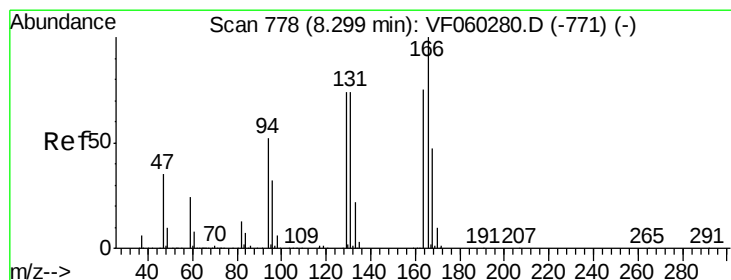
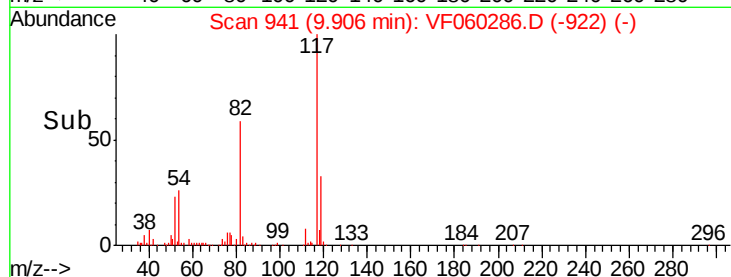
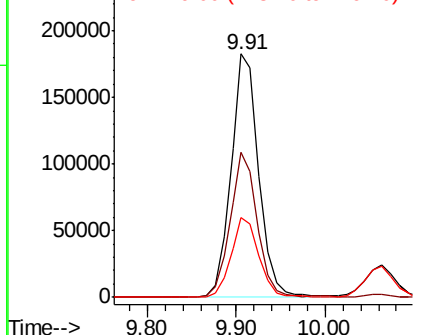


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 19.17 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68958		
166	127.5	106.8	160.2	
129	95.1	78.8	118.2	
131	95.9	78.7	118.1	

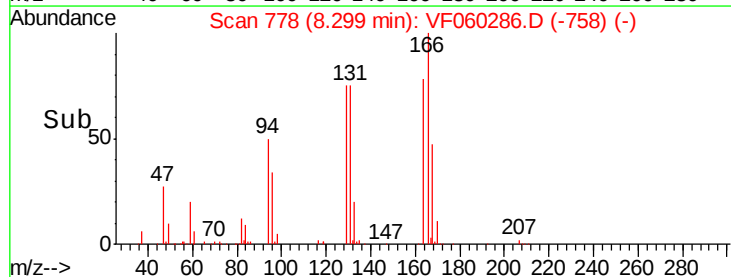
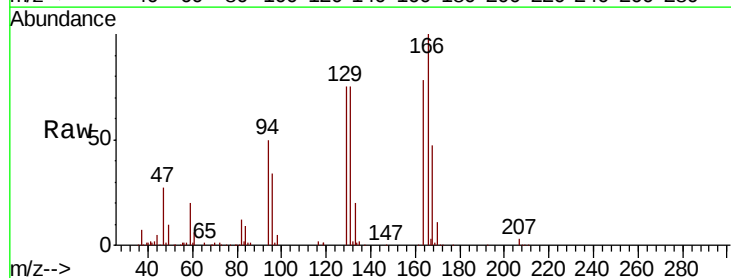
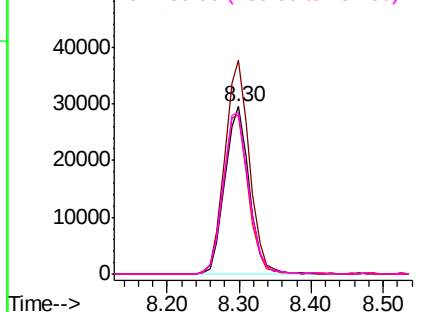
Abundance

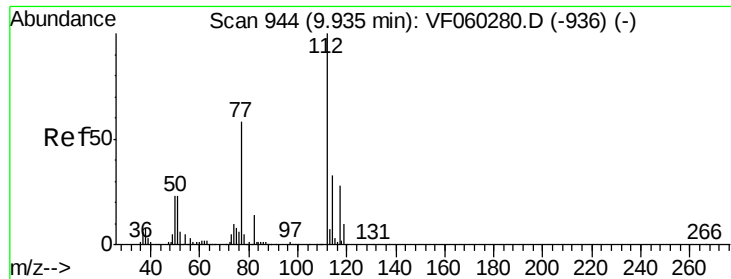
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 19.69 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion:112 Resp: 177065

Ion Ratio Lower Upper

112 100

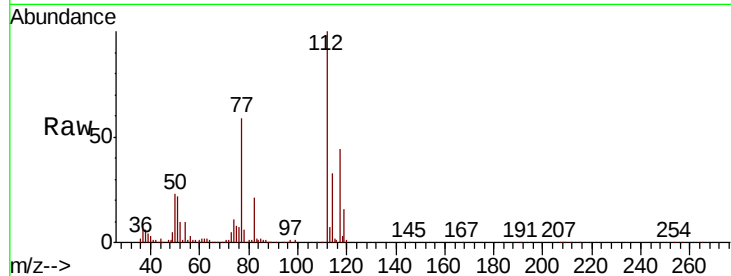
114 32.7 26.6 40.0

Manual Integrations

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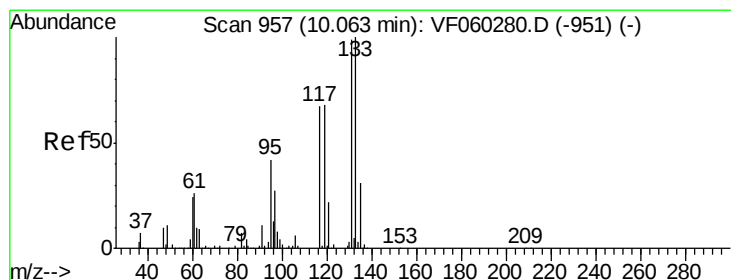
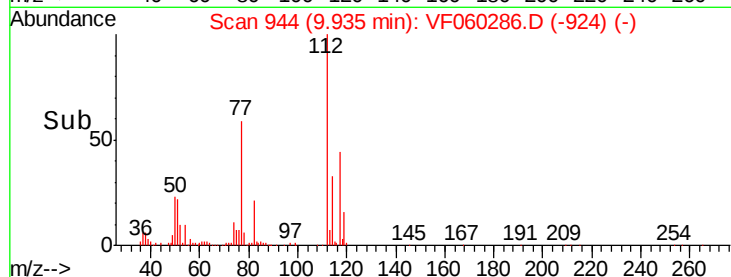
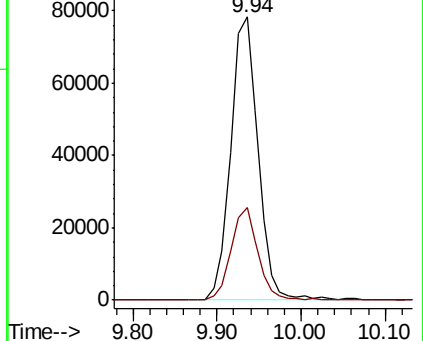
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.40 ug/l

RT: 10.06 min Scan# 957

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

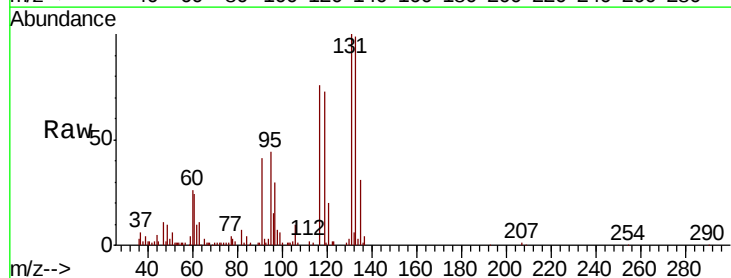
Tgt Ion:131 Resp: 72403

Ion Ratio Lower Upper

131 100

133 98.7 50.4 151.2

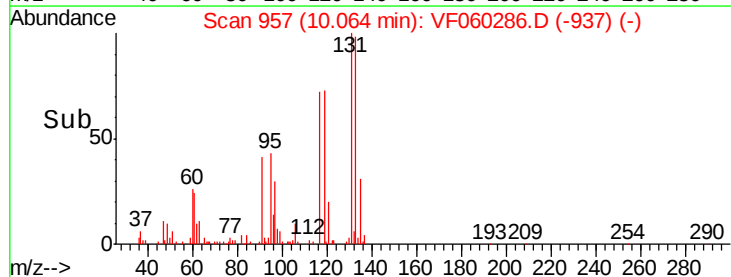
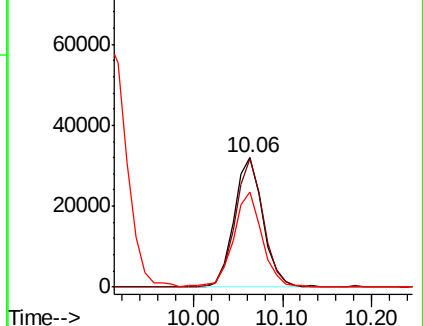
119 73.2 34.8 104.3

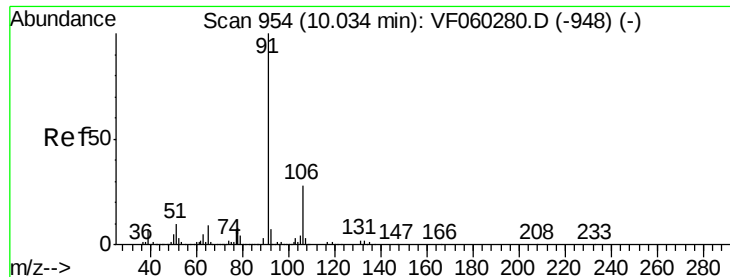


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





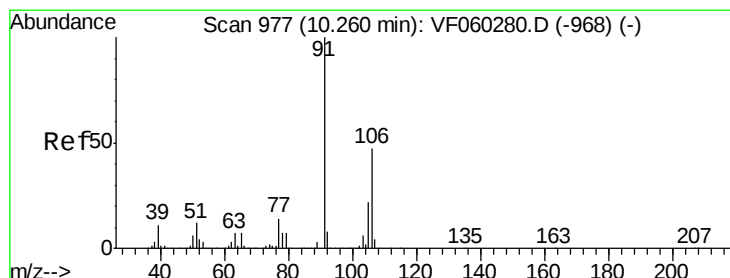
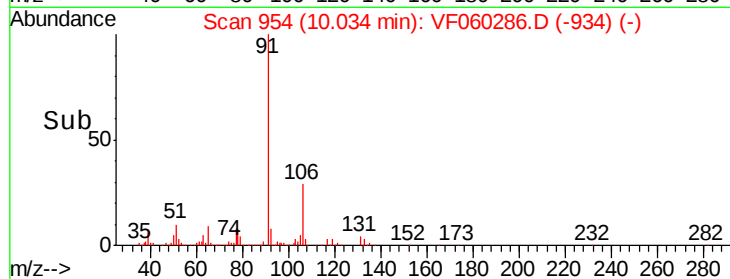
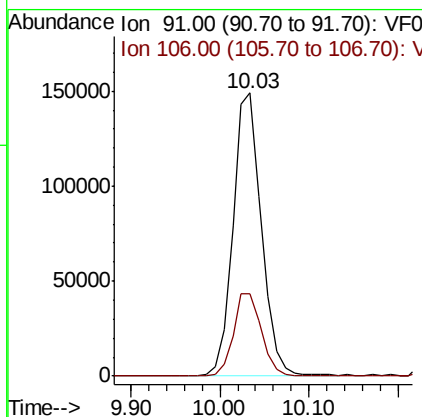
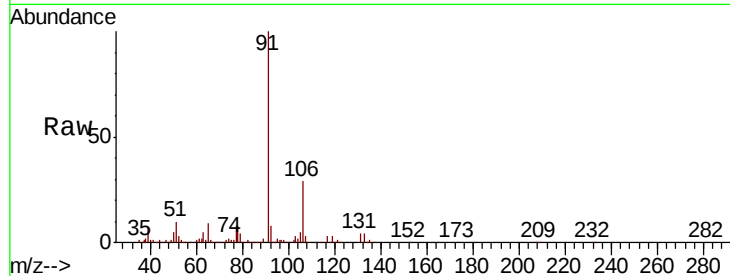
#67
Ethyl Benzene
Concen: 19.93 ug/l
RT: 10.03 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion: 91 Resp: 331445
Ion Ratio Lower Upper
91 100
106 29.0 22.7 34.1

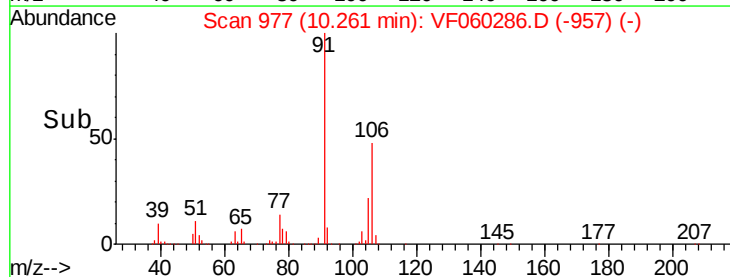
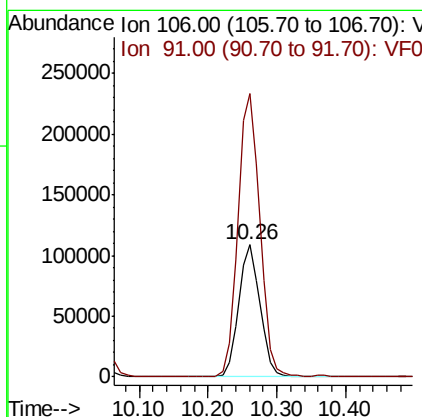
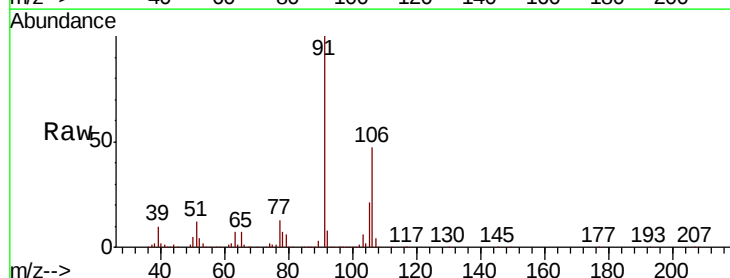
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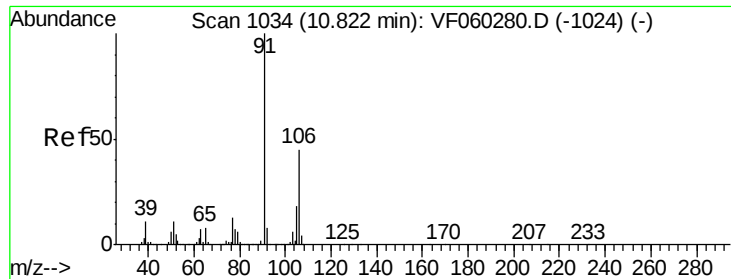
apatel
9/20/2018 11:55:06 AM



#68
m/p-Xylenes
Concen: 40.84 ug/l
RT: 10.26 min Scan# 977
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion:106 Resp: 234617
Ion Ratio Lower Upper
106 100
91 214.0 172.3 258.5





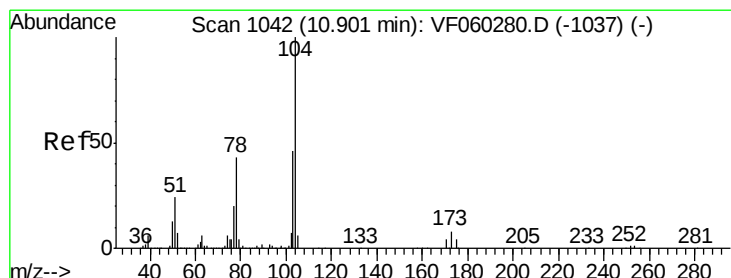
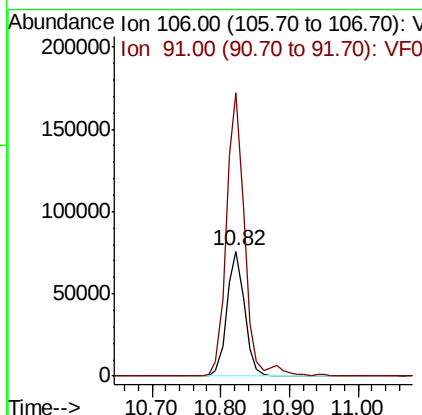
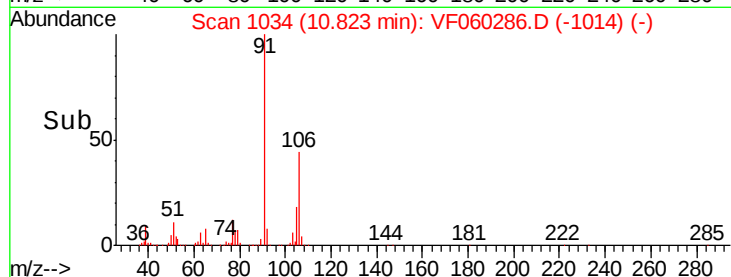
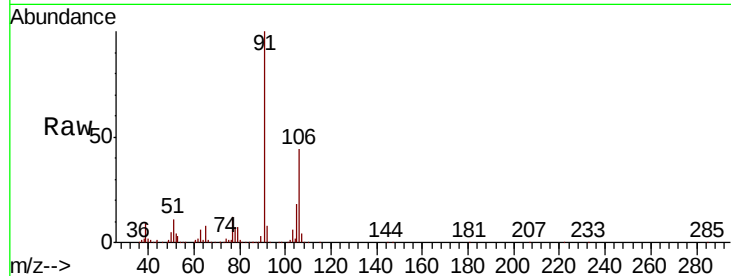
#69
o-Xylene
Concen: 21.05 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.9	110.9	332.6

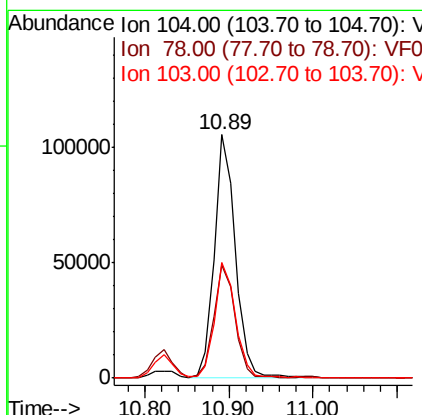
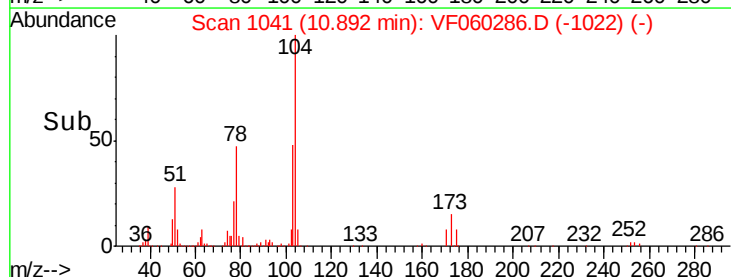
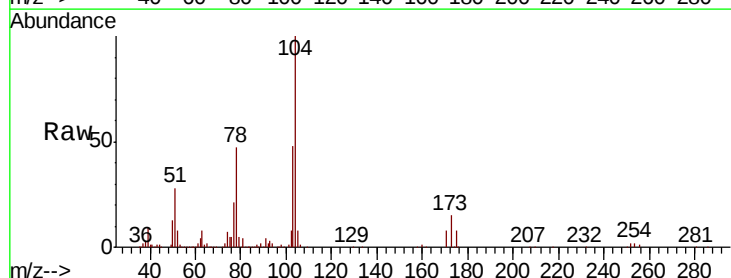
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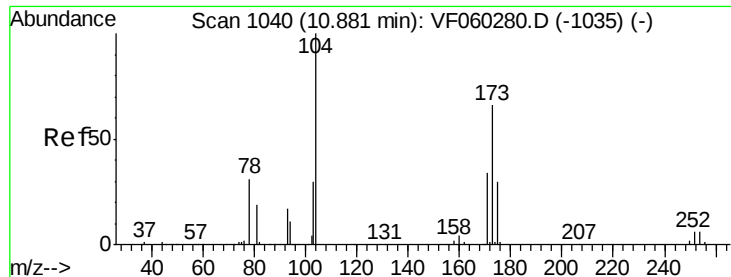
apatel
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#70
Styrene
Concen: 20.13 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.6	35.0	52.6
103	47.6	37.4	56.0





#71

Bromoform

Concen: 20.73 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion:173 Resp: 42494

Ion Ratio Lower Upper

173 100

175 46.2 22.3 66.9

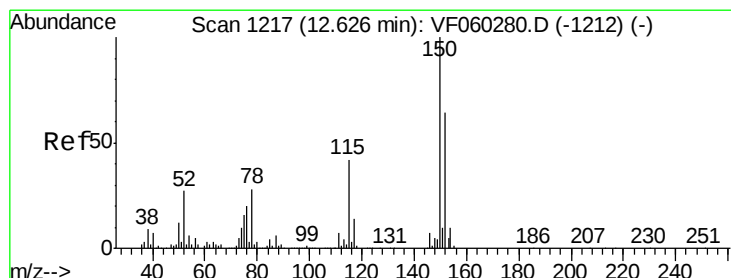
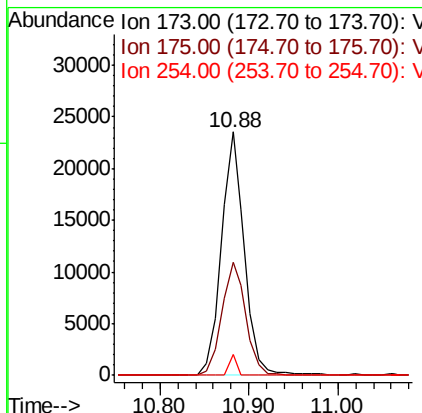
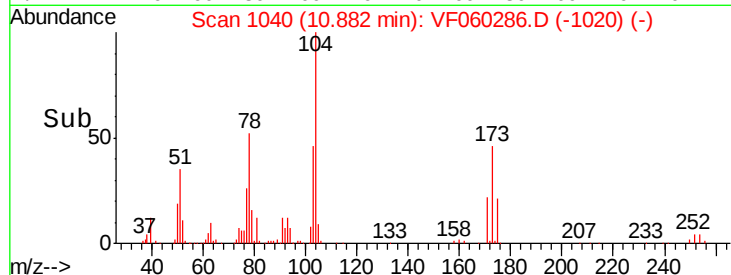
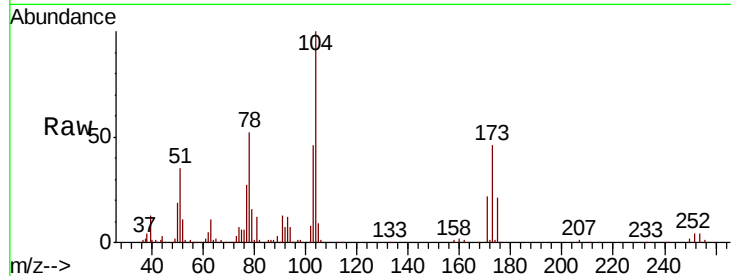
254 8.4 0.0 0.0#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

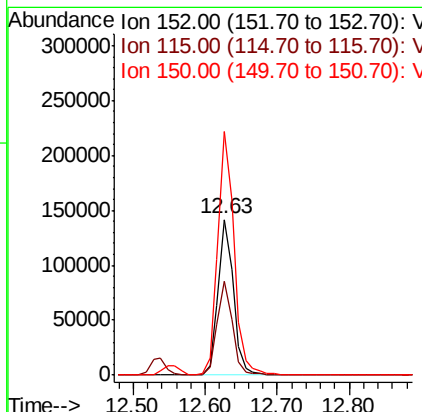
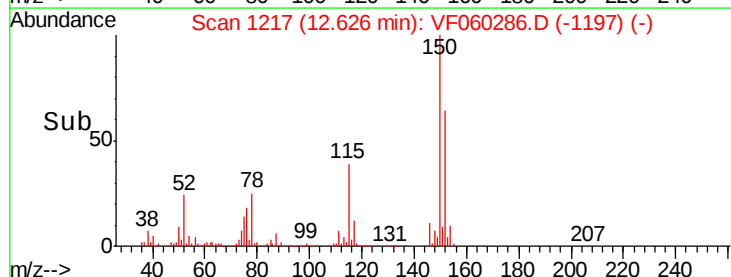
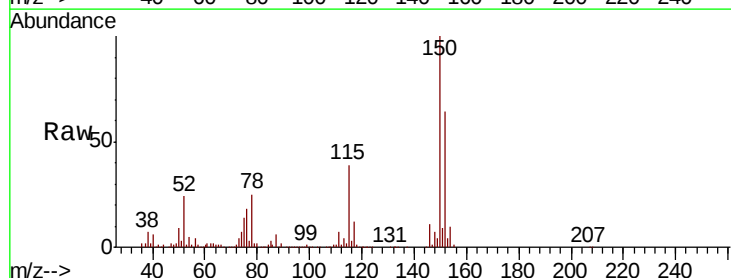
Tgt Ion:152 Resp: 208287

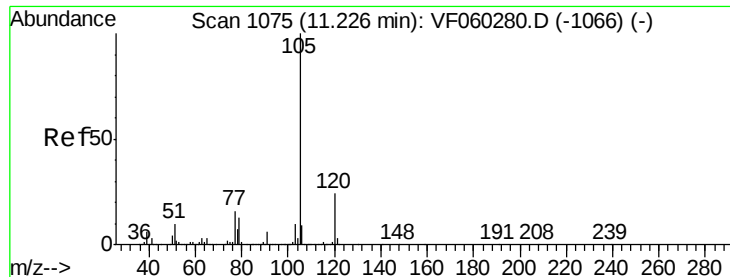
Ion Ratio Lower Upper

152 100

115 60.5 32.6 97.8

150 156.4 0.0 314.2





#73

Isopropylbenzene

Concen: 19.36 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 105 Resp: 362086

Ion Ratio Lower Upper

105 100

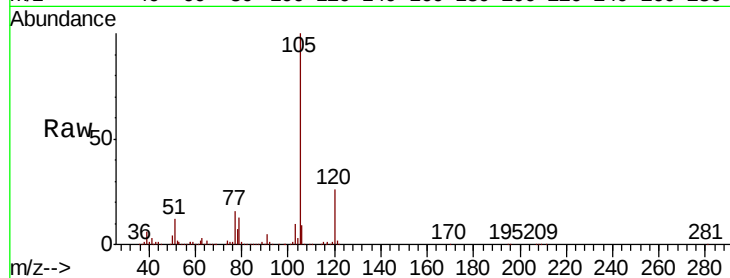
120 26.2 12.2 36.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

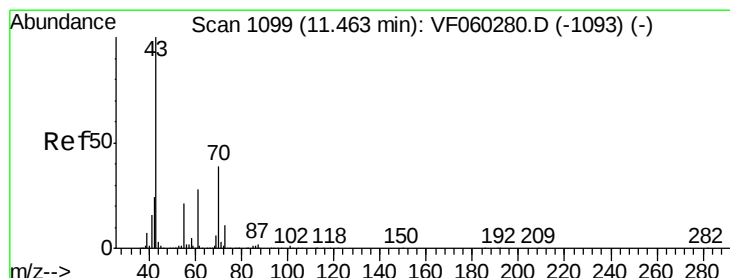
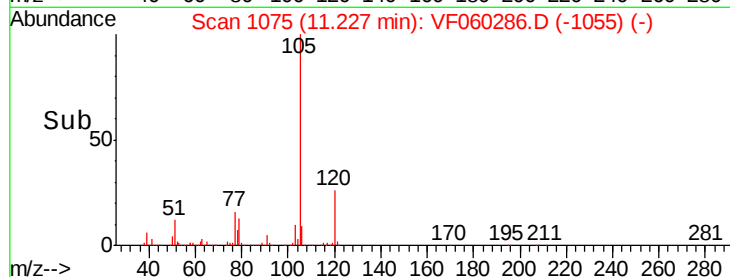
50000

0

11.20

11.40

Time-->



#74

N-ethyl acetate

Concen: 17.69 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Tgt Ion: 43 Resp: 70533

Ion Ratio Lower Upper

43 100

70 38.5 31.4 47.2

55 23.2 16.8 25.2

61 26.3 22.6 34.0

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

50000

40000

30000

20000

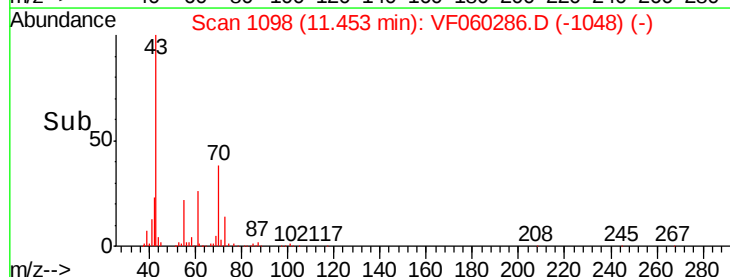
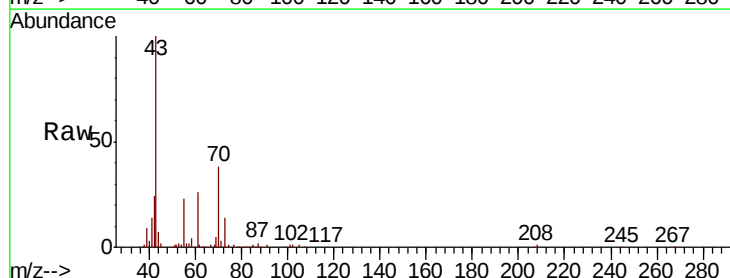
10000

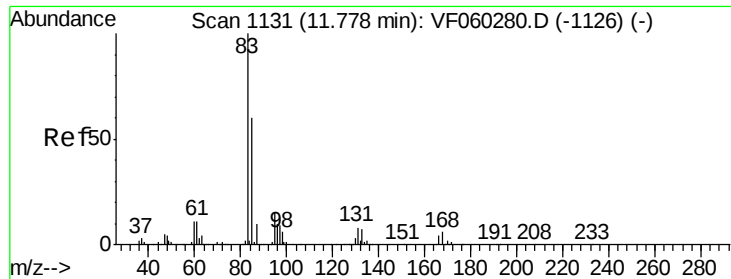
0

11.40

11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.29 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

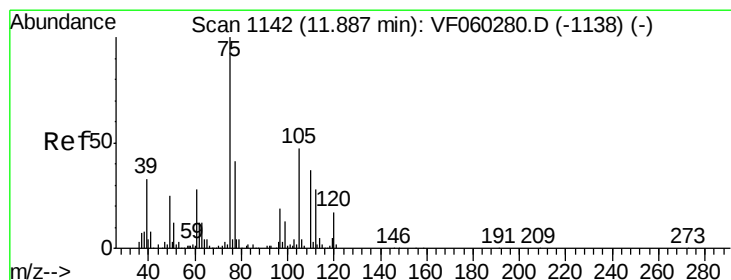
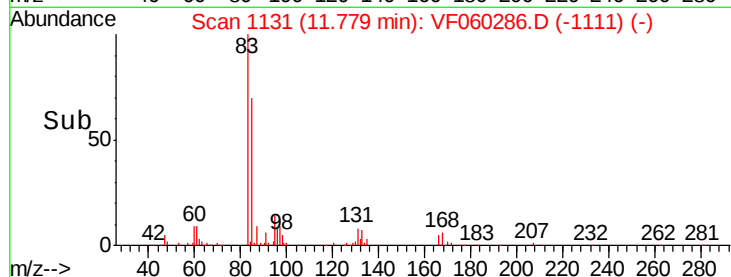
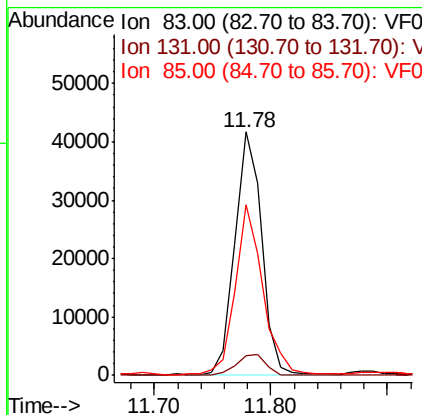
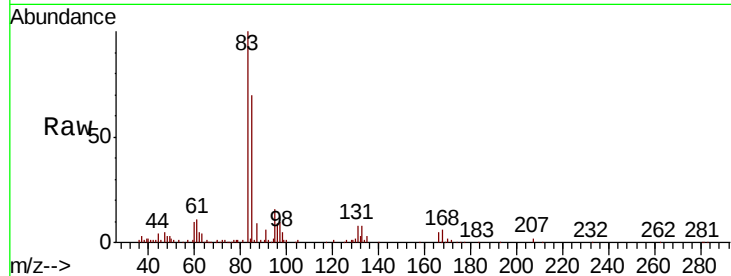
ClientSampleId :

VF0919SBS01

Tot Ion:	83	Resp:	67222
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.2	12.4
85	70.1	30.1	90.5

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#76

1,2,3-Trichloropropane

Concen: 18.93 ug/l

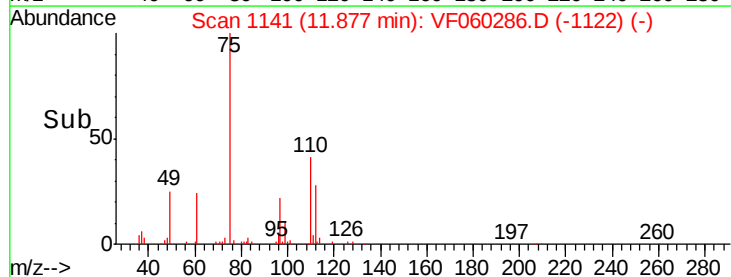
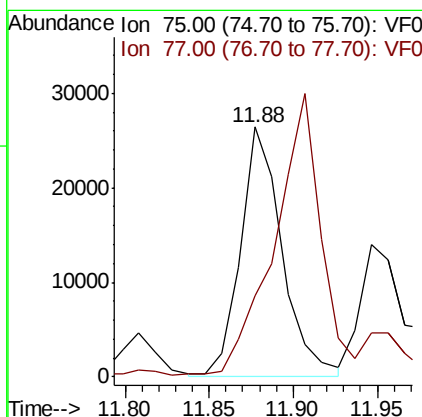
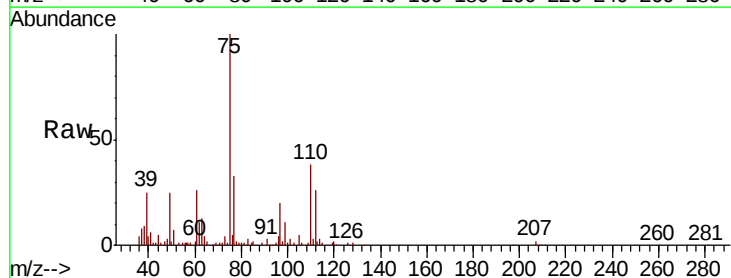
RT: 11.88 min Scan# 1141

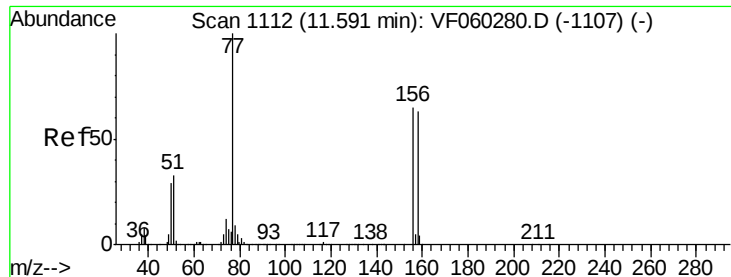
Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Tgt Ion:	75	Resp:	44905
Ion Ratio	Lower	Upper	
75	100		
77	32.6	20.5	61.5





#77

Bromobenzene

Concen: 19.58 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

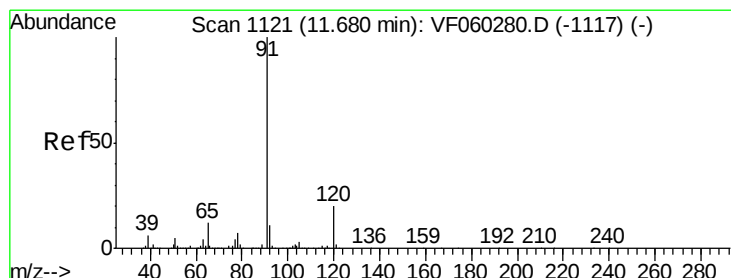
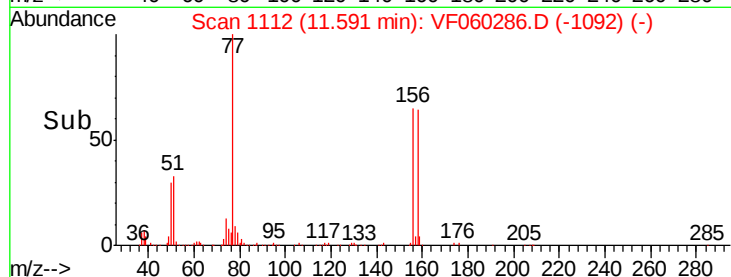
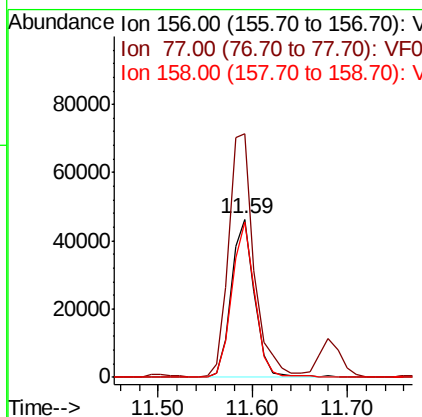
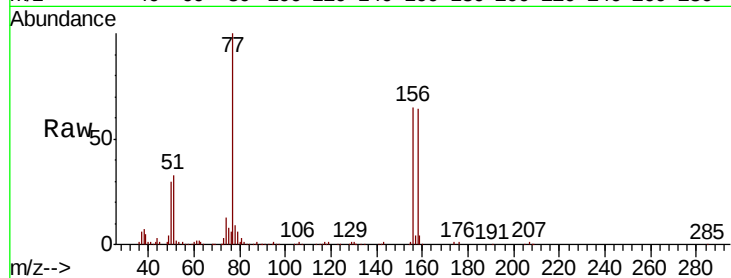
ClientSampleId :

VF0919SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.9	77.3	232.1
158	97.8	48.4	145.2

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#78

n-propylbenzene

Concen: 19.15 ug/l

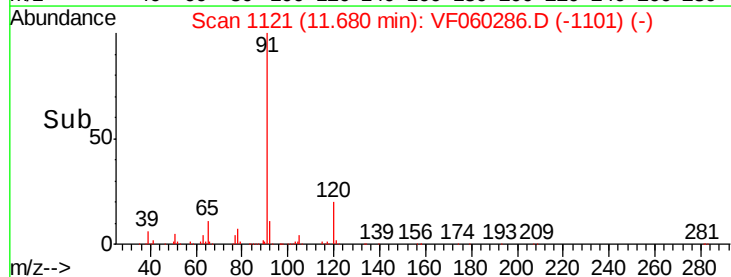
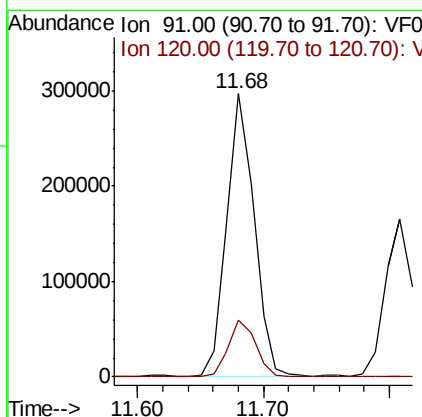
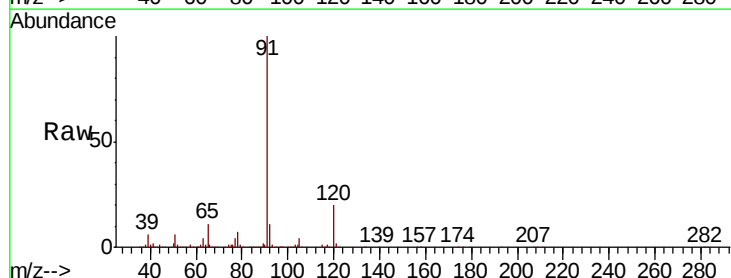
RT: 11.68 min Scan# 1121

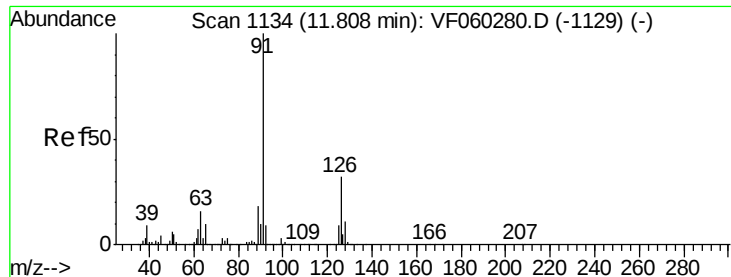
Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.9	10.0	29.8





#79

2-Chlorotoluene

Concen: 20.00 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 91 Resp: 252263

Ion Ratio Lower Upper

91 100

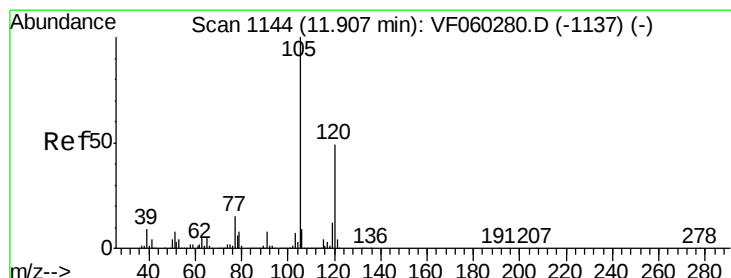
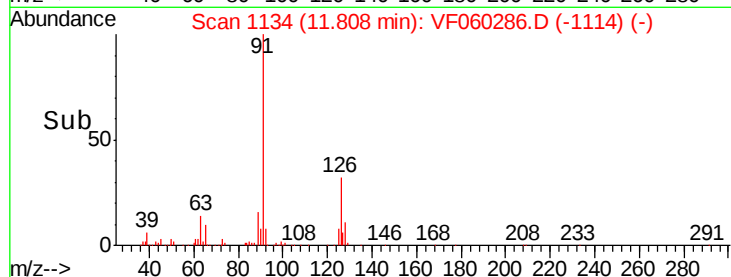
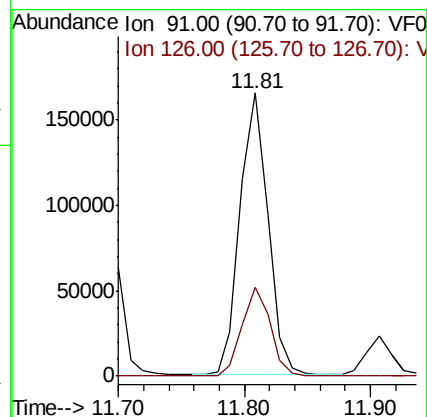
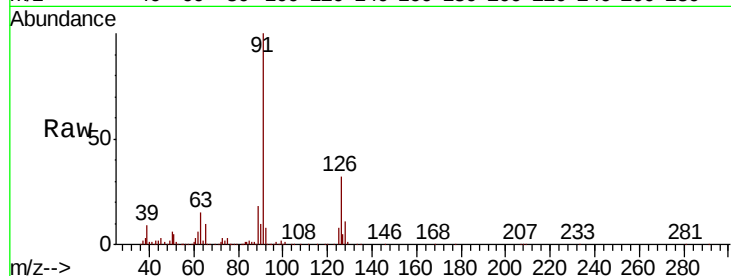
126 31.6 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 21.01 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060286.D

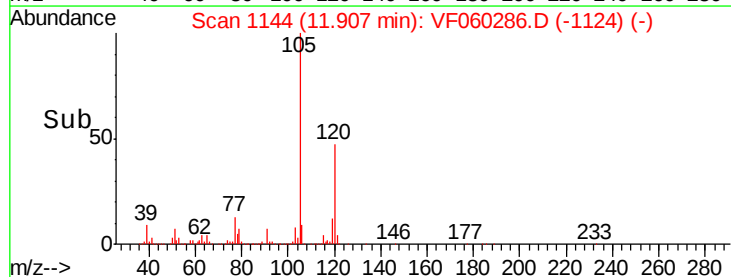
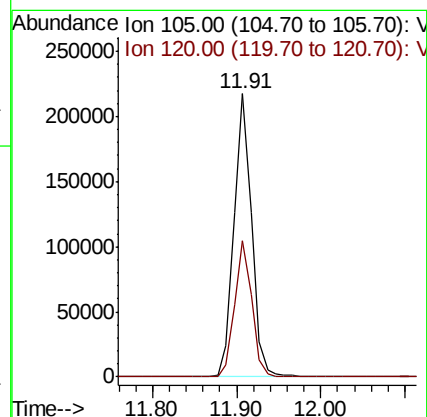
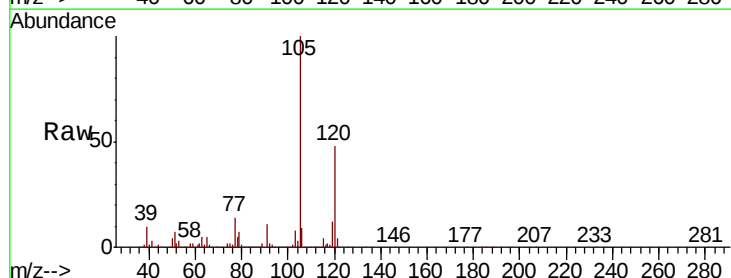
Acq: 19 Sep 2018 18:35

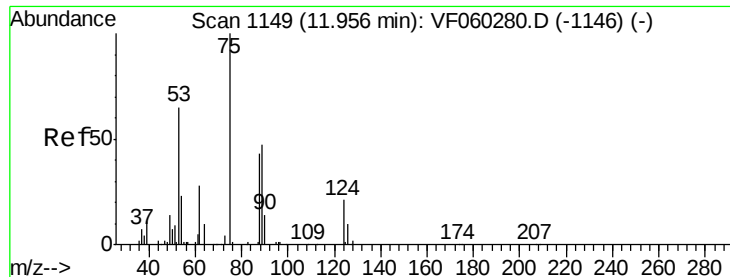
Tgt Ion: 105 Resp: 316192

Ion Ratio Lower Upper

105 100

120 48.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.39 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

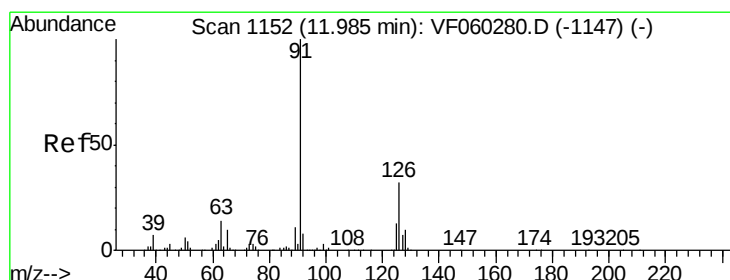
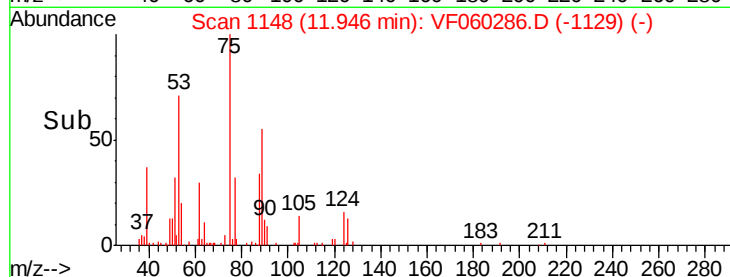
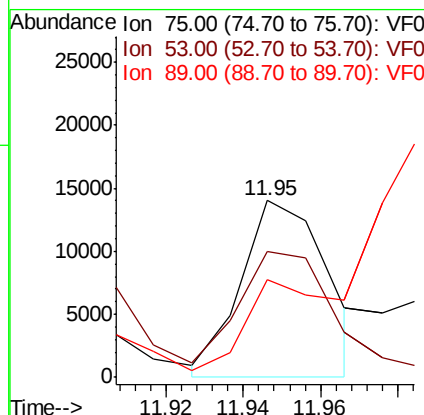
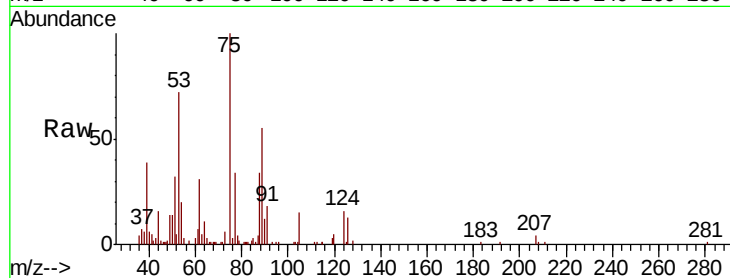
ClientSampleId :

VF0919SBS01

Tot Ion:	75	Resp:	21801
Ion	Ratio	Lower	Upper
75	100		
53	71.5	56.5	84.7
89	55.0	40.6	60.8

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#82

4-Chlorotoluene

Concen: 19.99 ug/l

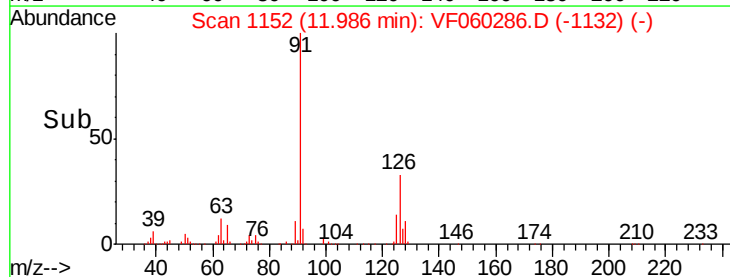
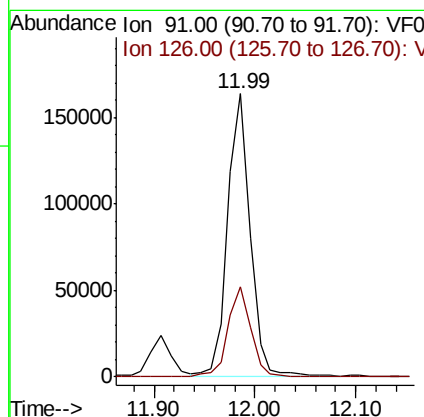
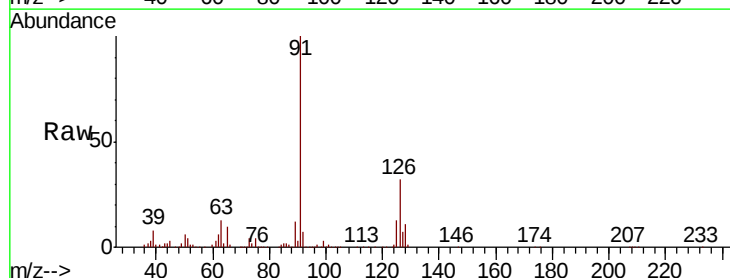
RT: 11.99 min Scan# 1152

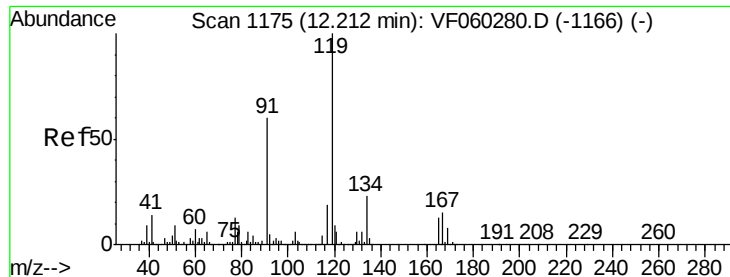
Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Tgt Ion:	91	Resp:	253485
Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.2





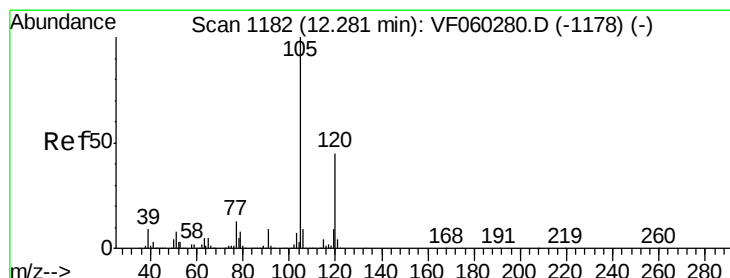
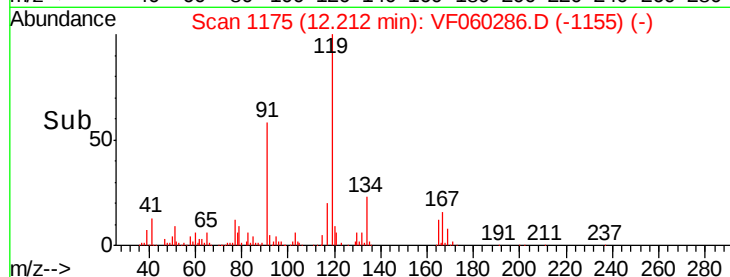
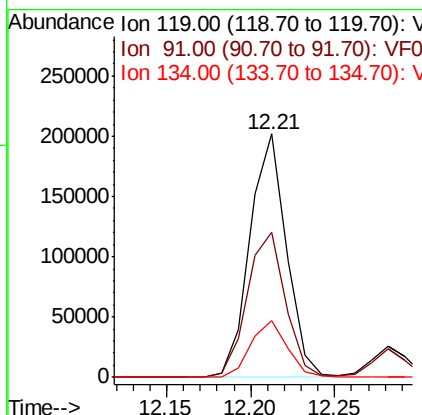
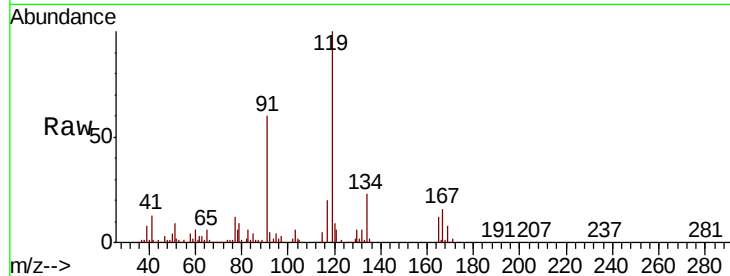
#83
 tert-Butylbenzene
 Concen: 19.98 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	304916		
91	59.8	30.3	91.0	
134	23.1	11.6	34.8	

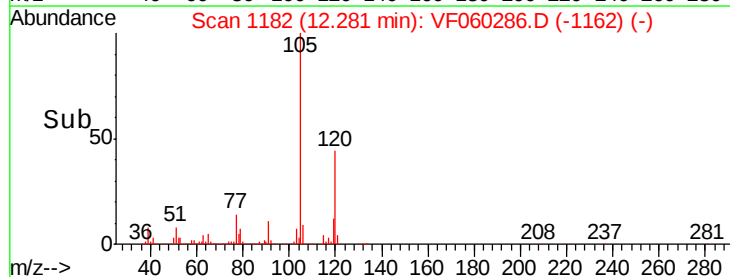
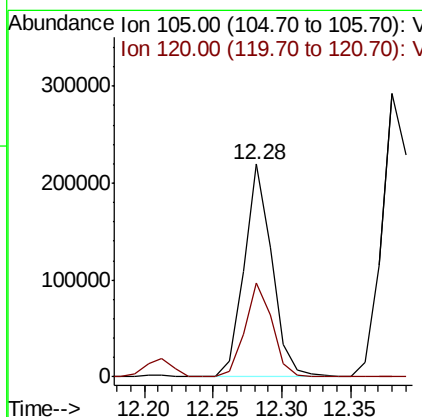
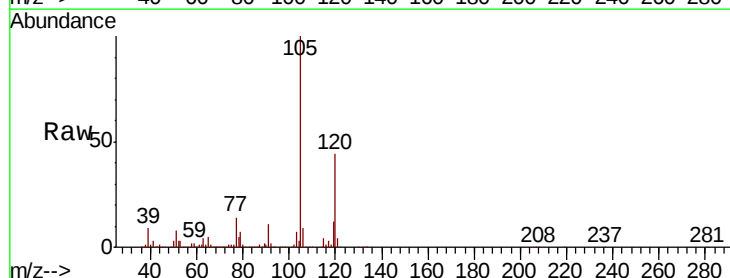
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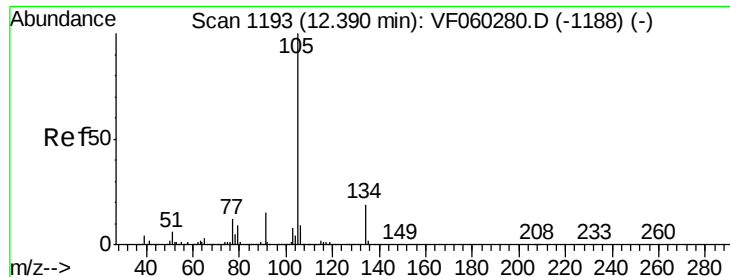
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.34 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	310853		
120	43.9	22.4	67.0	





#85

sec-Butylbenzene

Concen: 19.23 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion:105 Resp: 433103

Ion Ratio Lower Upper

105 100

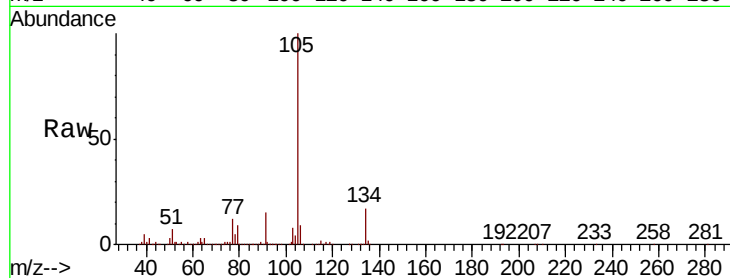
134 16.7 9.6 28.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.38

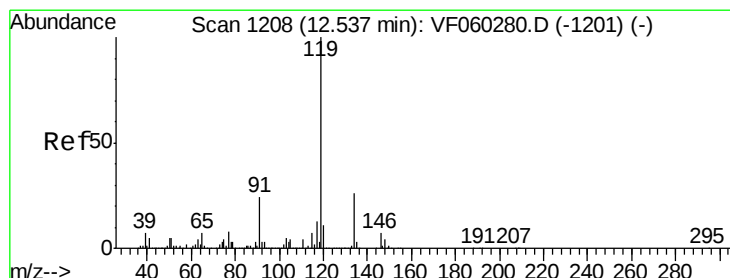
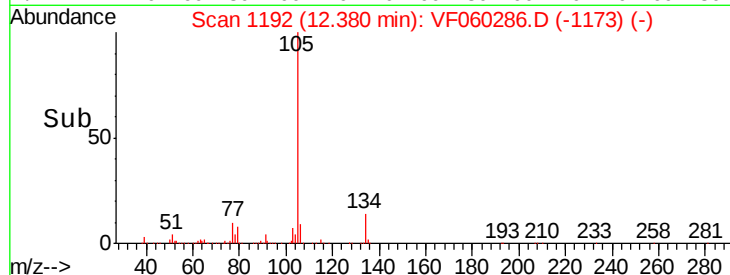
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.70 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

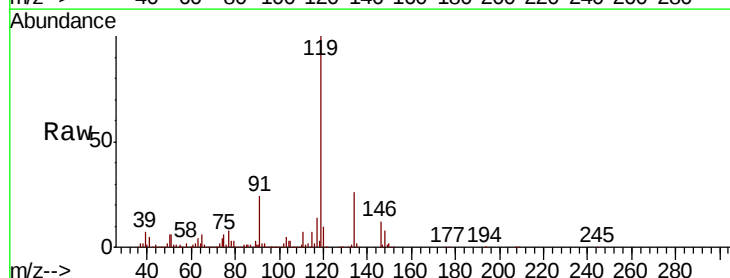
Tgt Ion:119 Resp: 347835

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 23.8 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.54

300000

250000

200000

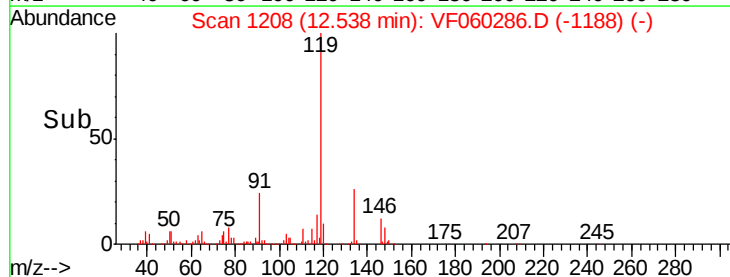
150000

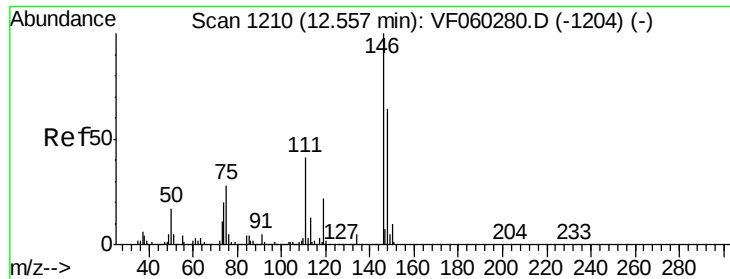
100000

50000

0

Time-->





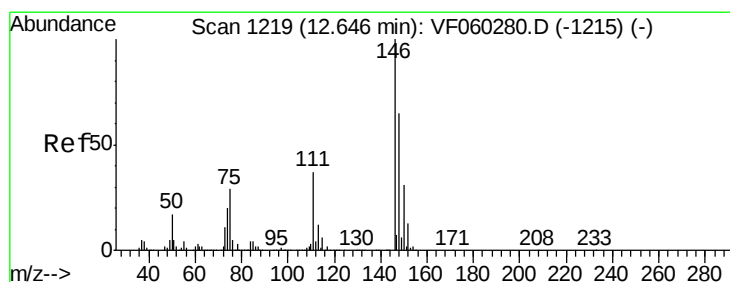
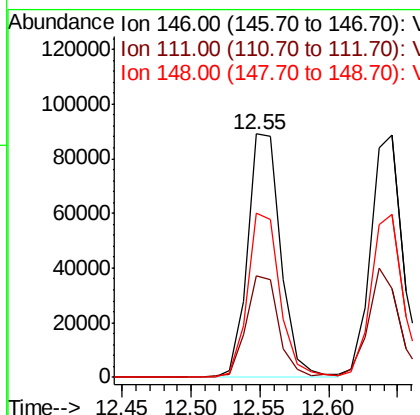
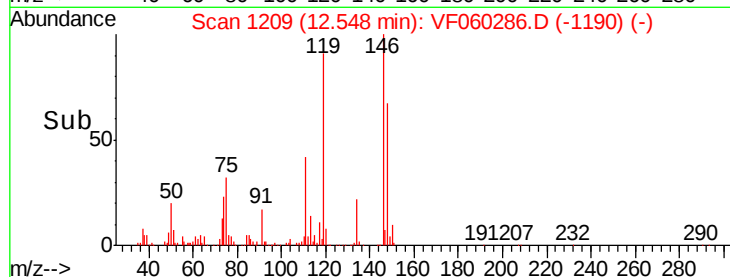
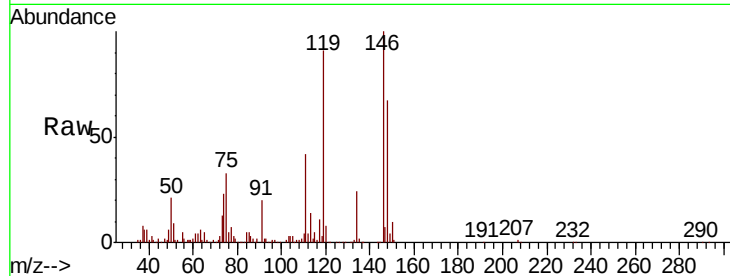
#87
 1,3-Dichlorobenzene
 Concen: 20.05 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	150961		
111	41.9	20.5	61.6	
148	67.3	32.2	96.6	

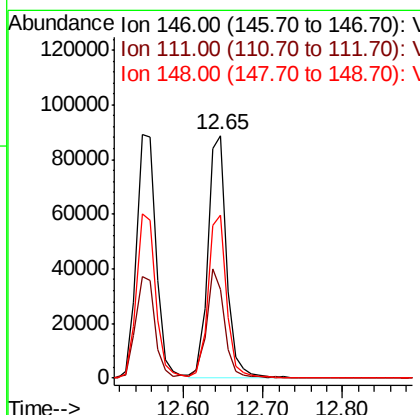
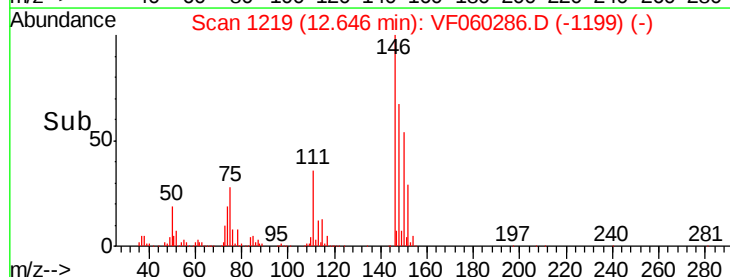
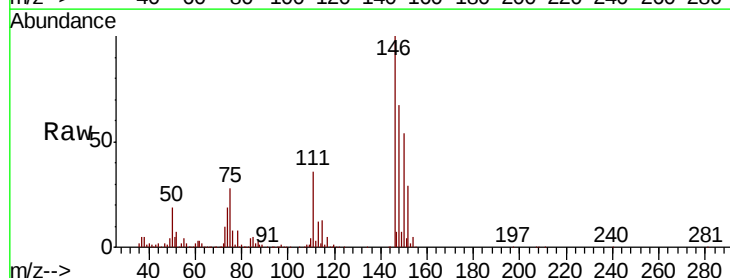
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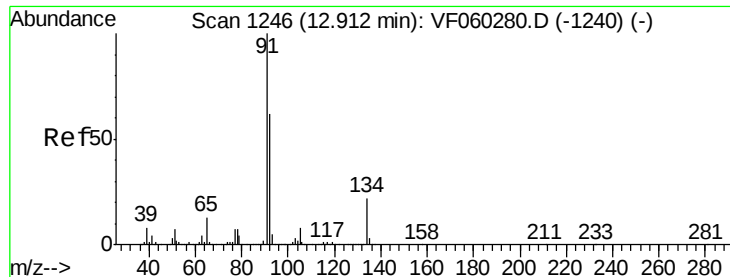
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#88
 1,4-Dichlorobenzene
 Concen: 19.77 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	147126		
111	36.5	18.7	56.1	
148	67.2	32.4	97.0	





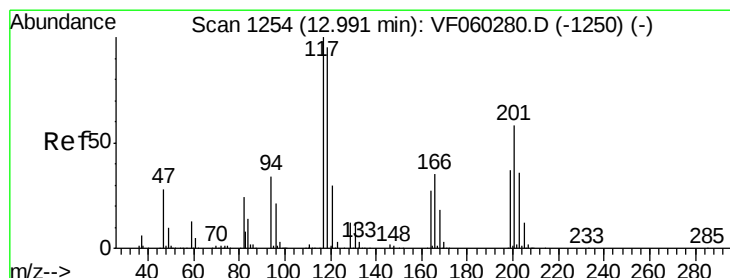
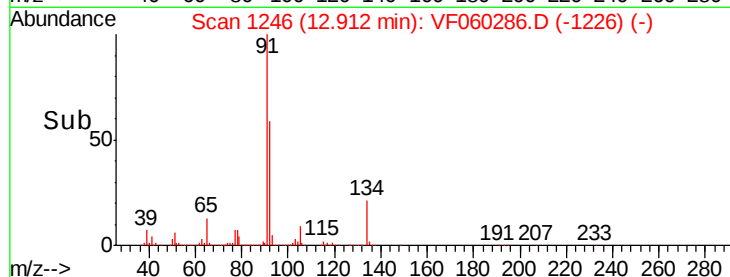
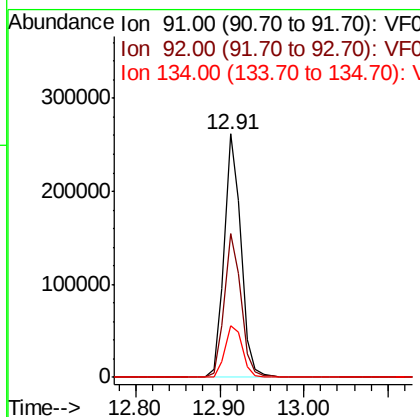
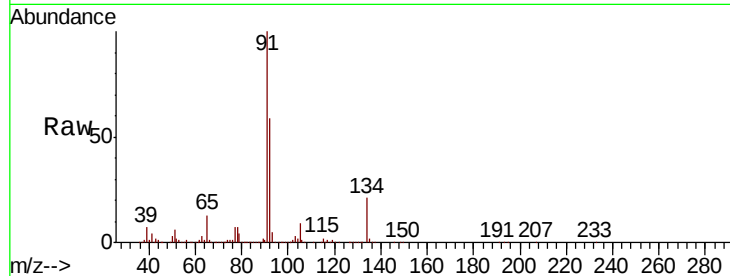
#89
n-Butylbenzene
Concen: 19.06 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	361425		
92	59.2	31.1	93.5	
134	21.3	11.0	33.0	

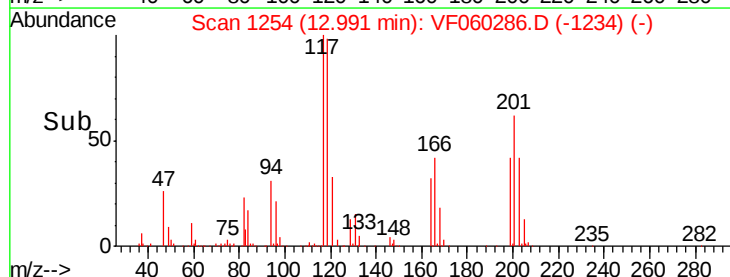
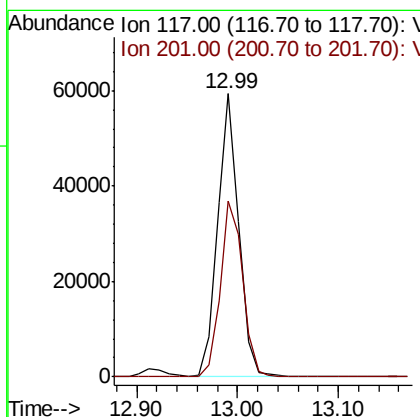
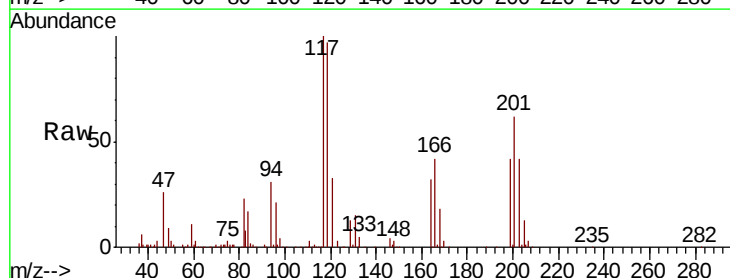
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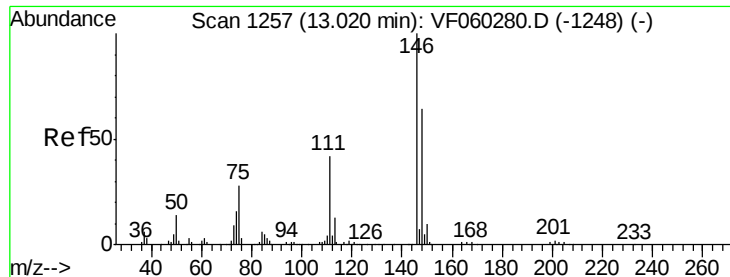
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#90
Hexachloroethane
Concen: 20.41 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	87162		
201	62.0	29.0	87.0	





#91

1,2-Dichlorobenzene

Concen: 20.00 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

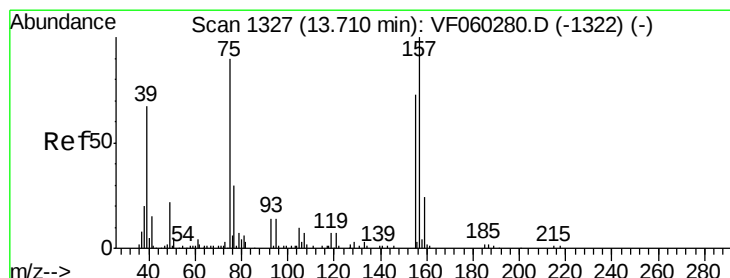
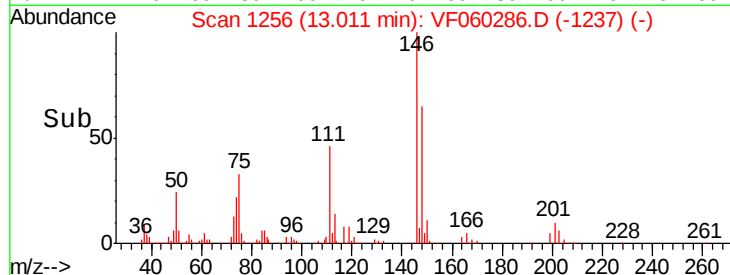
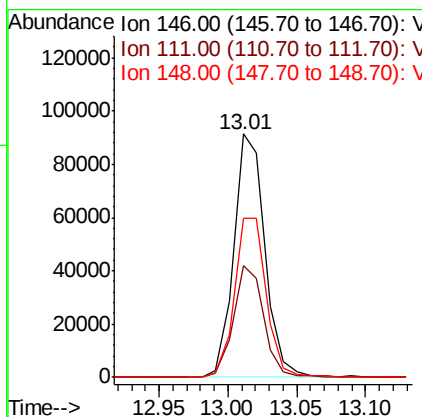
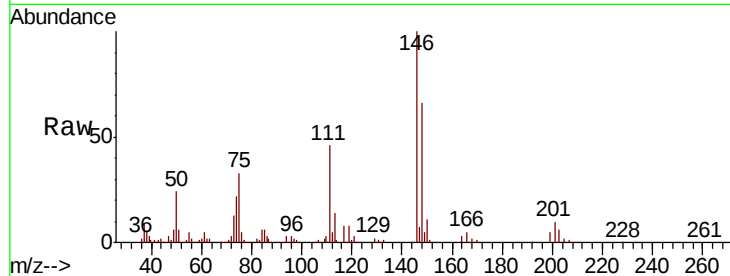
ClientSampleId :

VF0919SBS01

Tot Ion:	146	Resp:	143648
Ion Ratio	Lower	Upper	
146	100		
111	46.0	20.9	62.8
148	65.6	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.50 ug/l

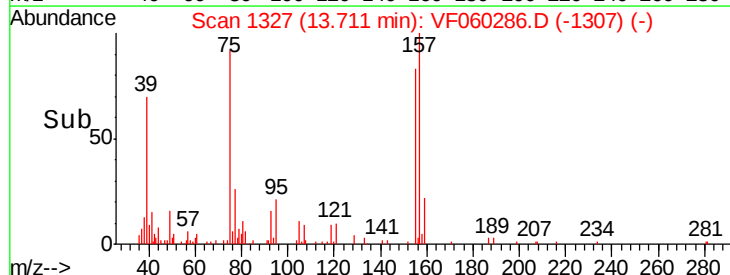
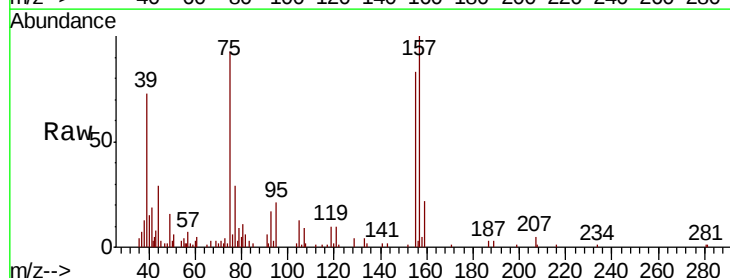
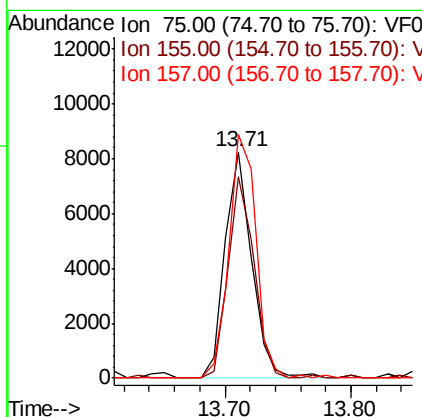
RT: 13.71 min Scan# 1327

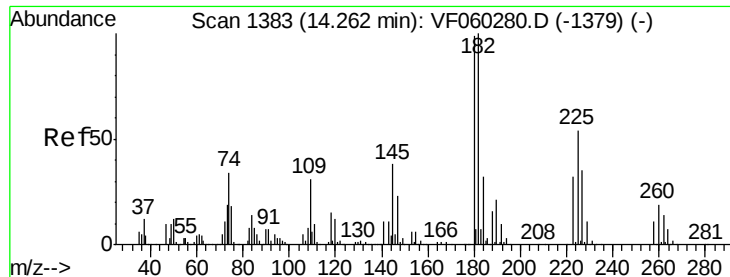
Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Tgt Ion:	75	Resp:	12131
Ion Ratio	Lower	Upper	
75	100		
155	89.2	41.9	125.7
157	107.7	57.4	172.0





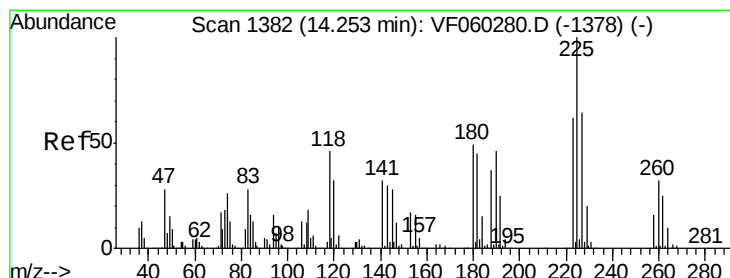
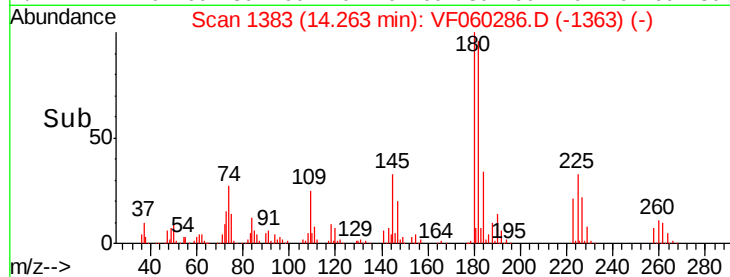
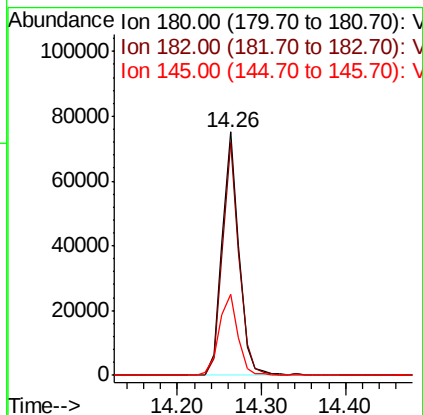
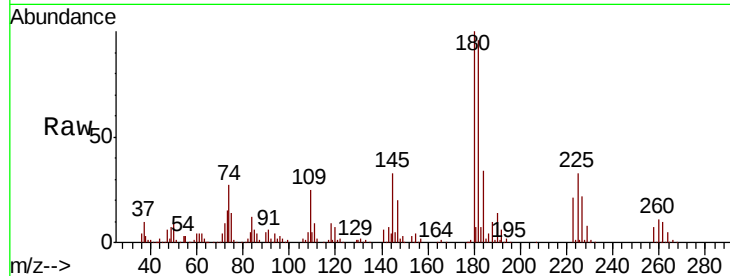
#93
 1,2,4-Trichlorobenzene
 Concen: 20.11 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	50.3	151.0	
145	33.4	18.9	56.9	

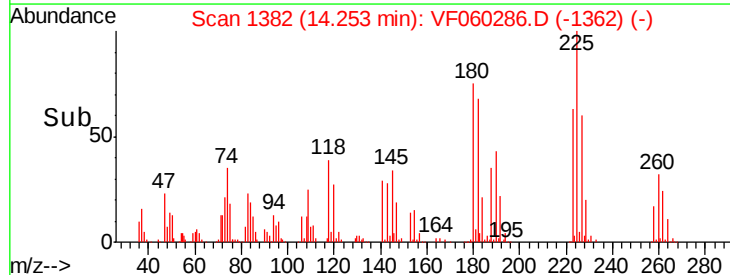
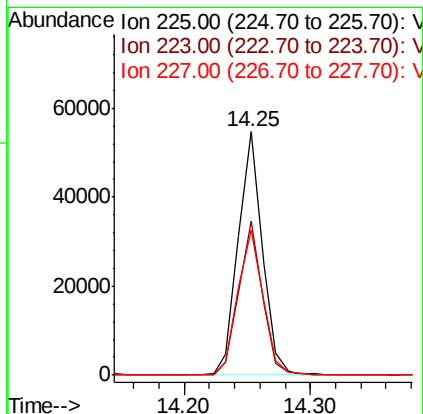
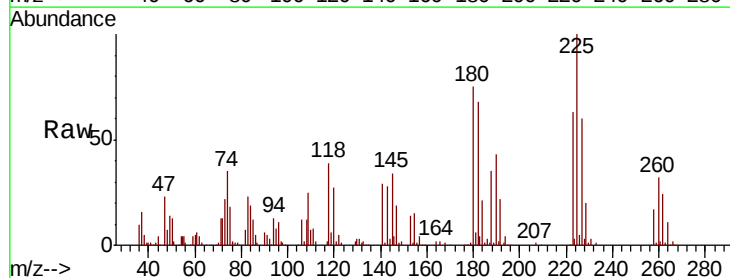
Manual Integrations
 APPROVED

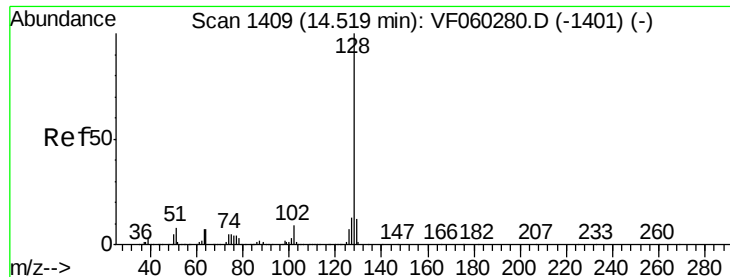
apatel
 9/20/2018 11:55:06 AM



#94
 Hexachlorobutadiene
 Concen: 20.44 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	31.2	93.6	
227	59.8	32.2	96.6	





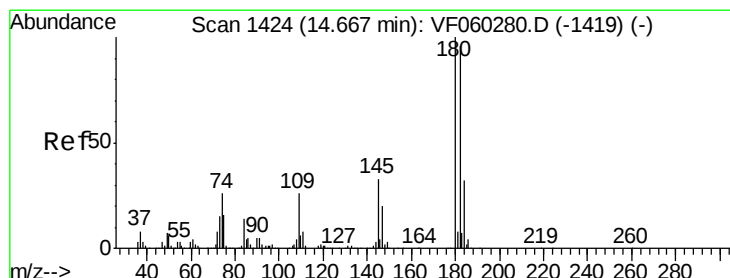
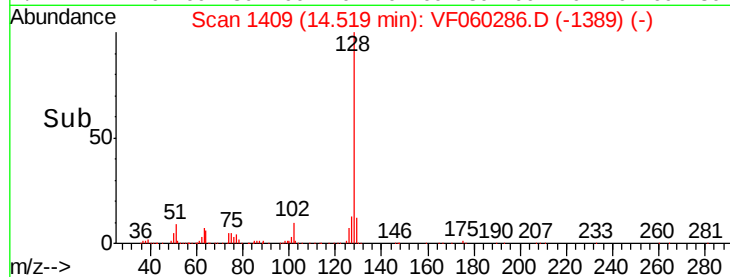
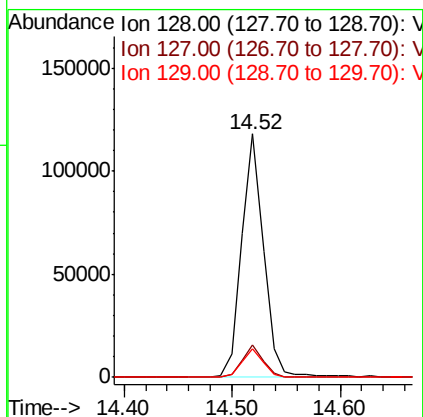
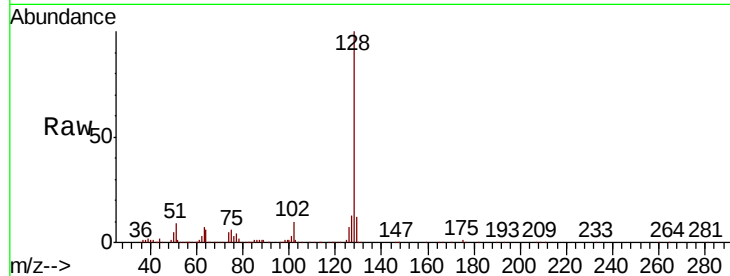
#95
Naphthalene
Concen: 18.29 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	12.0	9.8	14.8

Manual Integrations
APPROVED

apatel
9/20/2018 11:55:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.88 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.4
145	31.5	16.4	49.1

