

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059975.D
 Acq On : 16 Aug 2018 22:26
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF081618

Manual Integrations
 APPROVED

apatel
 8/17/2018 11:24:37 AM

Quant Time: Aug 17 06:15:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 05:35:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	133379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	195840	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	201478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	125005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	142730	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	4.29	113	101079	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	7.71	98	238766	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	11.52	95	137901	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	113938	49.06	ug/l	99
3) Chloromethane	1.07	50	54656	52.88	ug/l	99
4) Vinyl Chloride	1.12	62	70202	55.82	ug/l	95
5) Bromomethane	1.31	94	61921	52.39	ug/l	100
6) Chloroethane	1.38	64	34864	47.40	ug/l	95
7) Trichlorofluoromethane	1.47	101	176292	60.41	ug/l	98
8) Diethyl Ether	1.70	74	35443	57.40	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	92750	51.25	ug/l	97
10) Methyl Iodide	1.93	142	123401	54.31	ug/l	86
11) Tert butyl alcohol	2.69	59	59421	258.23	ug/l	95
12) 1,1-Dichloroethene	1.82	96	68161	53.45	ug/l	96
13) Acrolein	2.08	56	30932	277.76	ug/l	93
14) Allyl chloride	2.18	41	112083	52.13	ug/l	91
15) Acrylonitrile	3.07	53	102353	288.33	ug/l	96
16) Acetone	2.34	43	256727	242.02	ug/l	98
17) Carbon Disulfide	1.84	76	208006	51.63	ug/l	99
18) Methyl Acetate	2.45	43	105013	53.45	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	250094	52.40	ug/l	99
20) Methylene Chloride	2.27	84	79751	56.67	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	71359	55.09	ug/l	92
22) Diisopropyl ether	2.92	45	264628	56.25	ug/l	97
23) Vinyl Acetate	3.33	43	644957	303.79	ug/l	97
24) 1,1-Dichloroethane	3.00	63	165948	53.06	ug/l	100
25) 2-Butanone	4.51	43	222033	270.48	ug/l	98
26) 2,2-Dichloropropane	3.76	77	146871	50.85	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	68320	55.82	ug/l	94
28) Bromochloromethane	3.89	49	47871	48.58	ug/l #	79
29) Tetrahydrofuran	4.25	42	84720	263.49	ug/l	95
30) Chloroform	4.04	83	186475	51.39	ug/l	97
31) Cyclohexane	3.86	56	76720	58.05	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	175056	50.04	ug/l	94
36) 1,1-Dichloropropene	4.46	75	108208	48.44	ug/l	98
37) Ethyl Acetate	4.29	43	92123	51.44	ug/l	90
38) Carbon Tetrachloride	4.16	117	156948	51.74	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	86890	55.93	ug/l	95
40) Benzene	4.80	78	205801	54.91	ug/l	99
41) Methacrylonitrile	4.93	41	41869	52.81	ug/l #	84
42) 1,2-Dichloroethane	5.12	62	171339	46.02	ug/l	99
43) Isopropyl Acetate	7.11	43	104500	56.10	ug/l	98
44) Trichloroethene	5.67	130	75735	52.00	ug/l	97
45) 1,2-Dichloropropane	6.40	63	57207	52.36	ug/l	98
46) Dibromomethane	6.25	93	64752	50.23	ug/l	95
47) Bromodichloromethane	6.55	83	155895	50.94	ug/l	93
48) Methyl methacrylate	6.87	41	73661	56.36	ug/l	93
49) 1,4-Dioxane	6.86	88	14538	1144.73	ug/l #	84
51) 4-Methyl-2-Pentanone	8.41	43	466885	263.13	ug/l	100
52) Toluene	7.78	92	147878	52.49	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	135775	49.56	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	129911	52.12	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	69805	52.40	ug/l	91
56) Ethyl methacrylate	8.77	69	92642	58.90	ug/l	93
57) 1,3-Dichloropropane	9.00	76	120087	50.68	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	34062	241.54	ug/l	100
59) 2-Hexanone	9.63	43	393086	274.14	ug/l	96
60) Dibromochloromethane	8.87	129	124426	53.73	ug/l	96
61) 1,2-Dibromoethane	9.14	107	86666	49.72	ug/l	98
64) Tetrachloroethene	8.30	164	80798	50.47	ug/l	91
65) Chlorobenzene	9.95	112	206644	52.13	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	94361	50.89	ug/l	95
67) Ethyl Benzene	10.05	91	383161	54.37	ug/l	99
68) m/p-Xylenes	10.28	106	253590	104.56	ug/l	96
69) o-Xylene	10.84	106	137495	53.95	ug/l	97
70) Styrene	10.91	104	215476	52.09	ug/l	99
71) Bromoform	10.90	173	86479	54.46	ug/l	93
73) Isopropylbenzene	11.23	105	423461	59.26	ug/l	99
74) N-amyl acetate	11.47	43	167741	67.36	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	106842	60.35	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	94624	57.10	ug/l	96
77) Bromobenzene	11.60	156	119681	57.36	ug/l	95
78) n-propylbenzene	11.69	91	507551	57.77	ug/l	95
79) 2-Chlorotoluene	11.81	91	318001	58.25	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	379429	58.02	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	38775m	59.76	ug/l	
82) 4-Chlorotoluene	11.99	91	348245	56.76	ug/l	94
83) tert-Butylbenzene	12.22	119	380496	59.48	ug/l	98
84) 1,2,4-Trimethylbenzene	12.30	105	389809	56.55	ug/l	98
85) sec-Butylbenzene	12.39	105	475406	58.04	ug/l	96
86) p-Isopropyltoluene	12.54	119	432259	58.91	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	215474	55.94	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	217680	55.75	ug/l	97
89) n-Butylbenzene	12.93	91	417780	58.46	ug/l	98
90) Hexachloroethane	13.00	117	94020	57.54	ug/l	94
91) 1,2-Dichlorobenzene	13.03	146	218421	56.26	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	32863	57.58	ug/l	90

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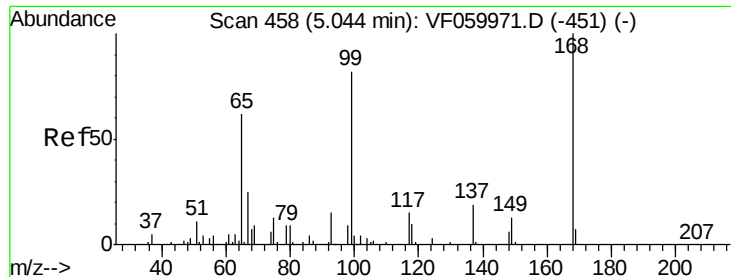
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	173141	53.02	ug/l	97
94) Hexachlorobutadiene	14.26	225	107981	55.99	ug/l	98
95) Naphthalene	14.52	128	328641	57.90	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	178864	57.78	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion:168 Resp: 133379

Ion Ratio Lower Upper

168 100

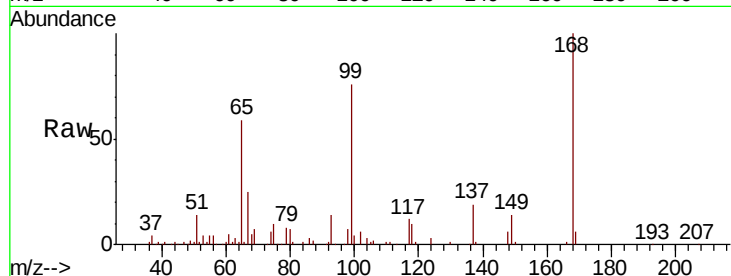
99 76.4 65.7 98.5

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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

40000

30000

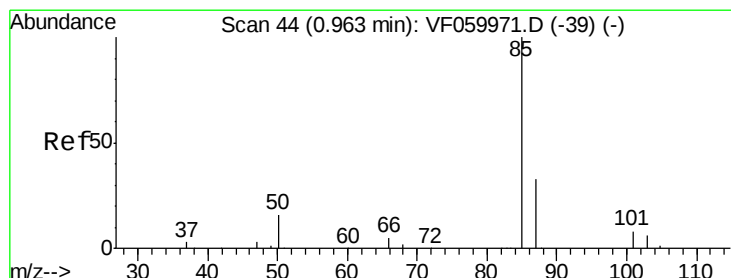
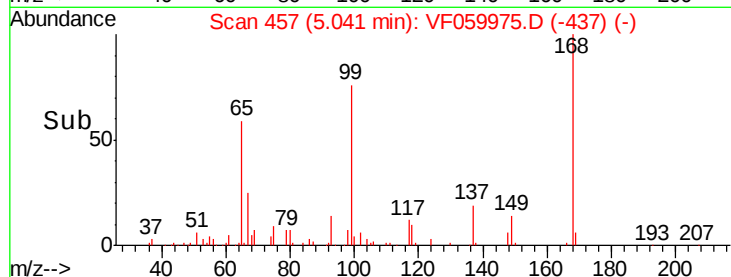
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.06 ug/l

RT: 0.95 min Scan# 42

Delta R.T. -0.01 min

Lab File: VF059975.D

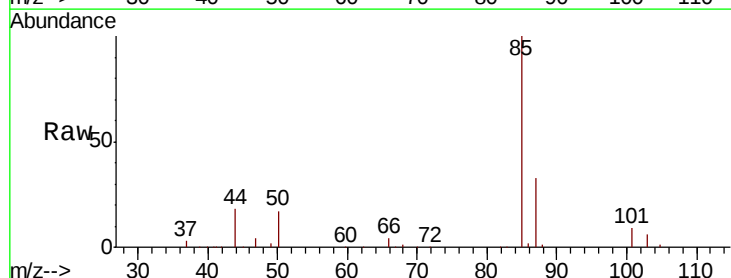
Acq: 16 Aug 2018 22:26

Tgt Ion: 85 Resp: 113938

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

80000

60000

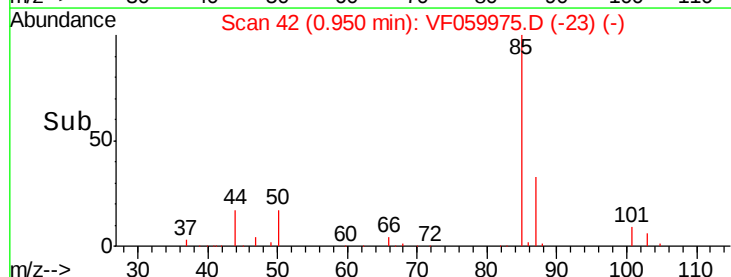
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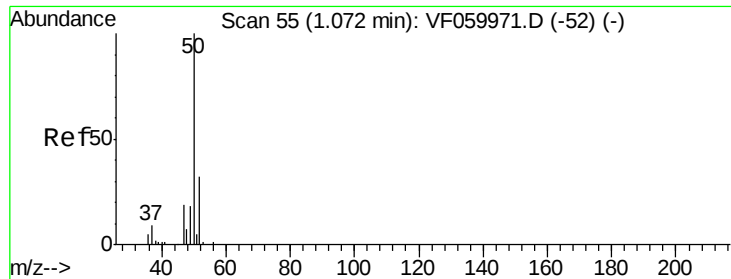
20000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 52.88 ug/l

RT: 1.07 min Scan# 54

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion: 50 Resp: 54656

Ion Ratio Lower Upper

50 100

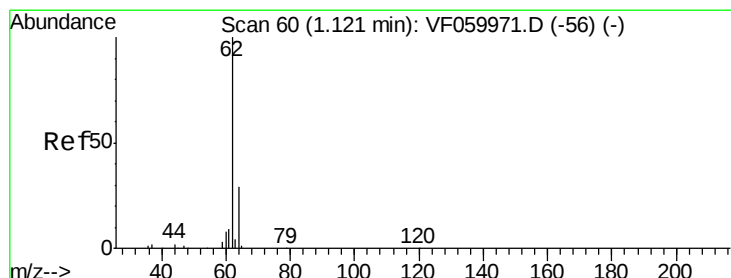
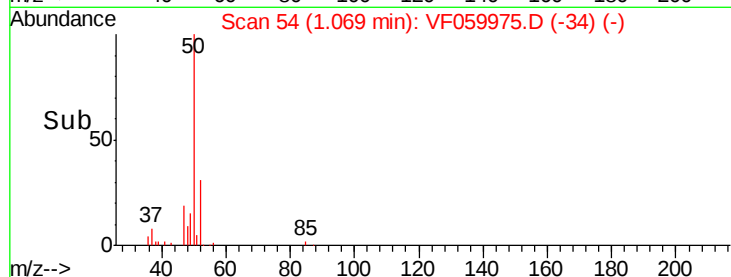
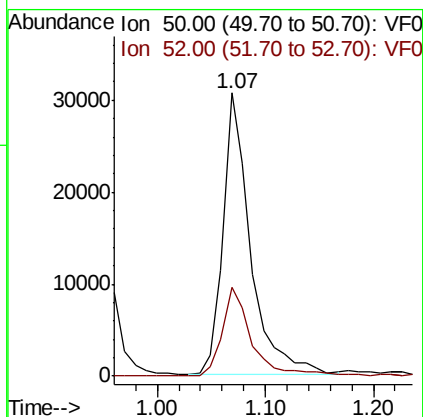
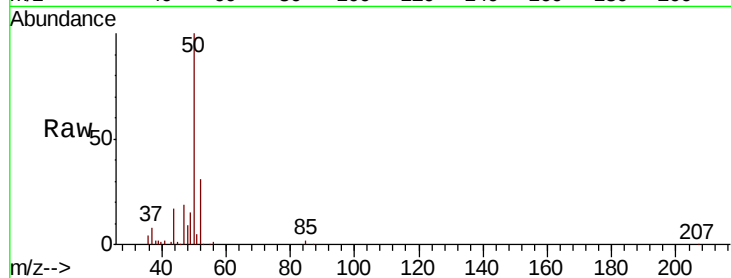
52 31.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.82 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.00 min

Lab File: VF059975.D

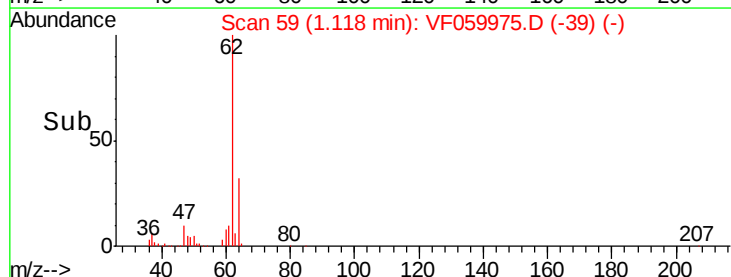
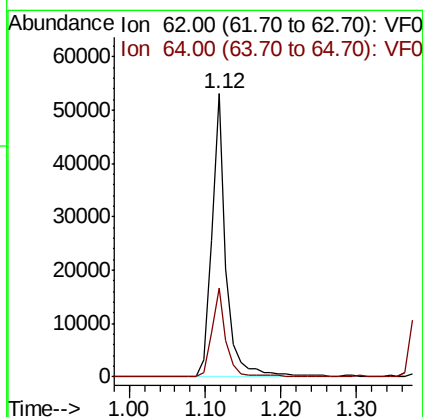
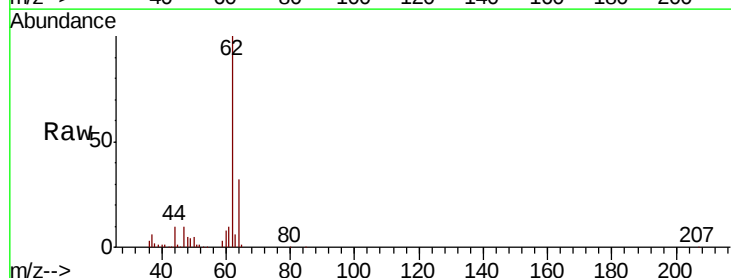
Acq: 16 Aug 2018 22:26

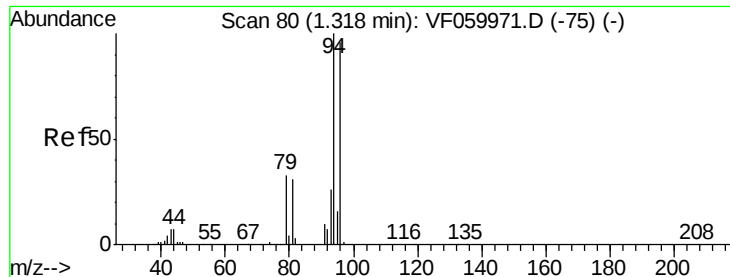
Tgt Ion: 62 Resp: 70202

Ion Ratio Lower Upper

62 100

64 31.5 23.1 34.7





#5

Bromomethane

Concen: 52.39 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 61921

Ion Ratio Lower Upper

94 100

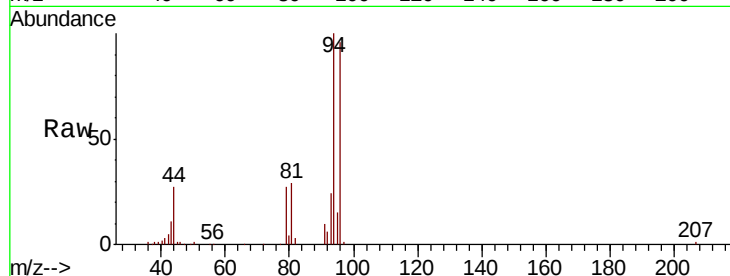
96 96.0 76.7 115.1

Manual Integrations

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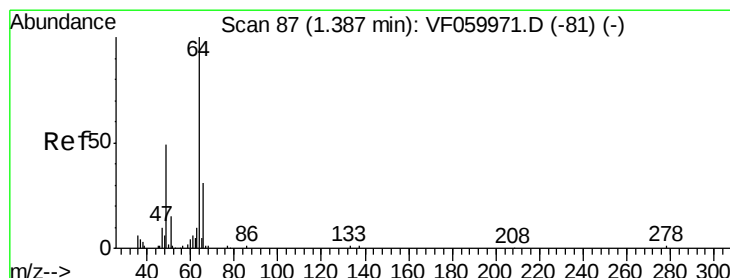
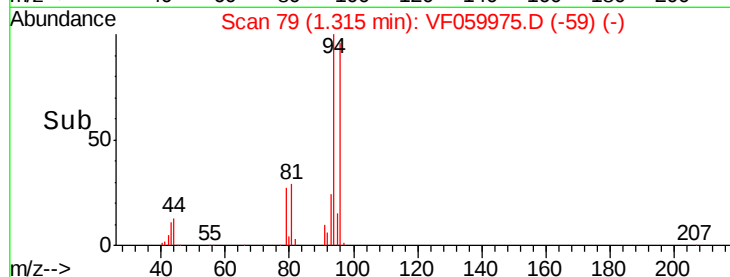
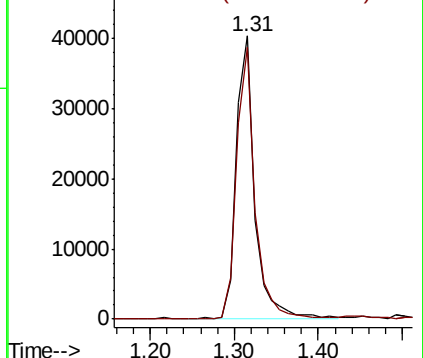
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 47.40 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.00 min

Lab File: VF059975.D

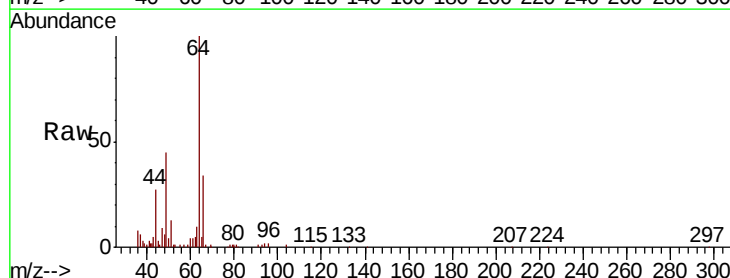
Acq: 16 Aug 2018 22:26

Tgt Ion: 64 Resp: 34864

Ion Ratio Lower Upper

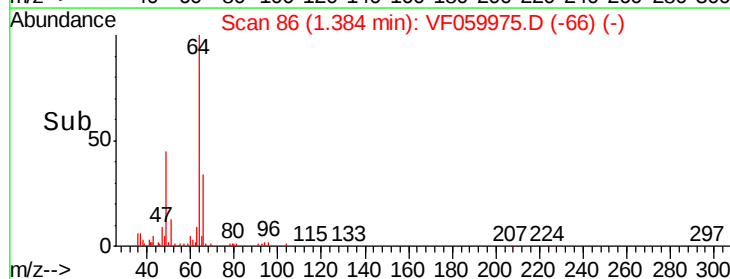
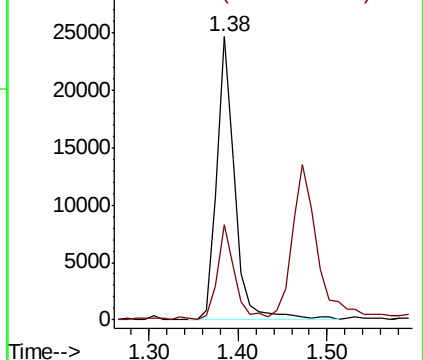
64 100

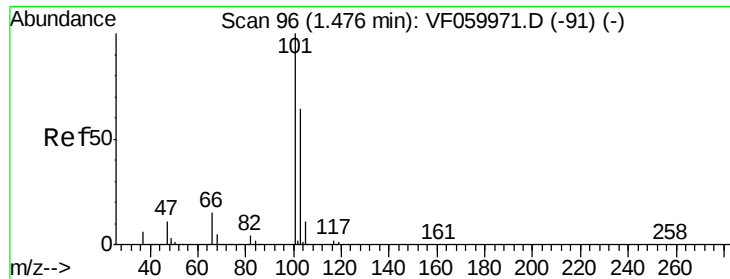
66 33.8 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 60.41 ug/l

RT: 1.47 min Scan# 95

Delta R.T. -0.00 min

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Tot Ion:101 Resp: 176292

Ion Ratio Lower Upper

101 100

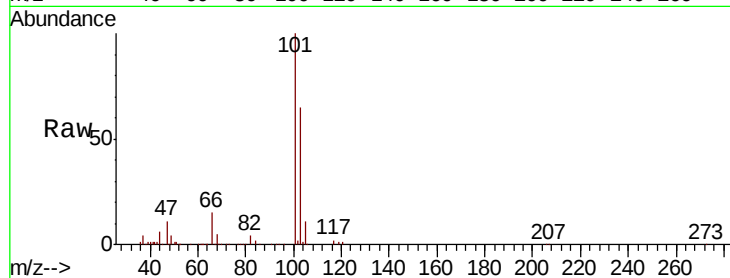
103 64.9 50.9 76.3

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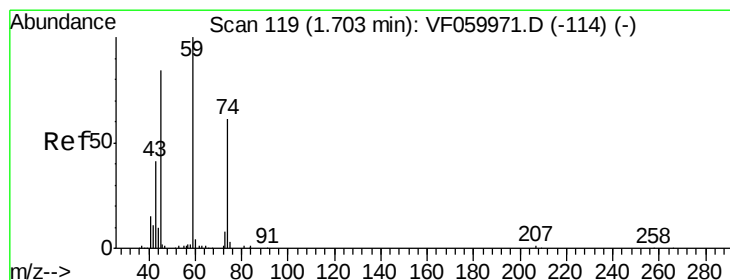
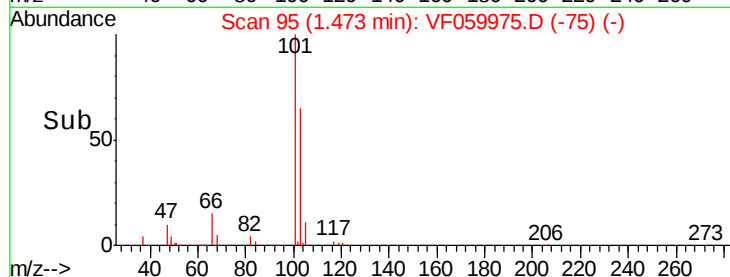
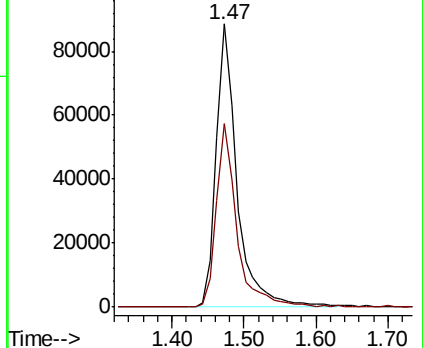
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 57.40 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059975.D

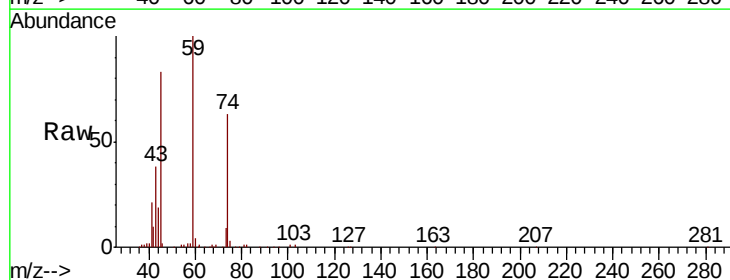
Acq: 16 Aug 2018 22:26

Tgt Ion: 74 Resp: 35443

Ion Ratio Lower Upper

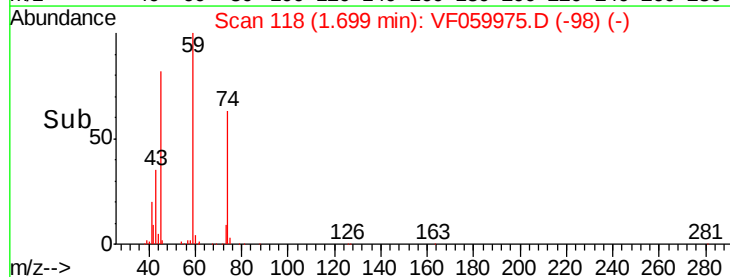
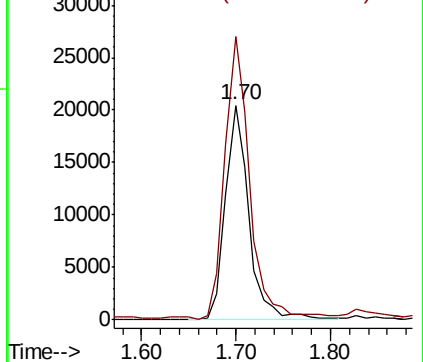
74 100

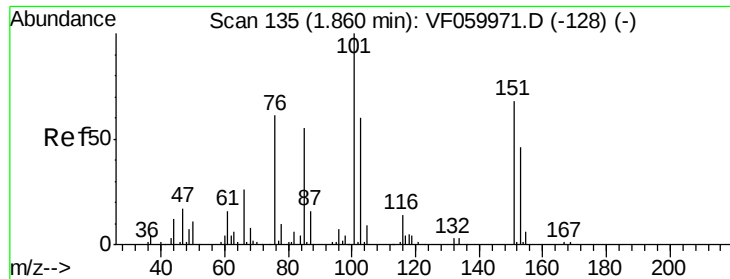
45 131.8 69.8 209.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.25 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.00 min

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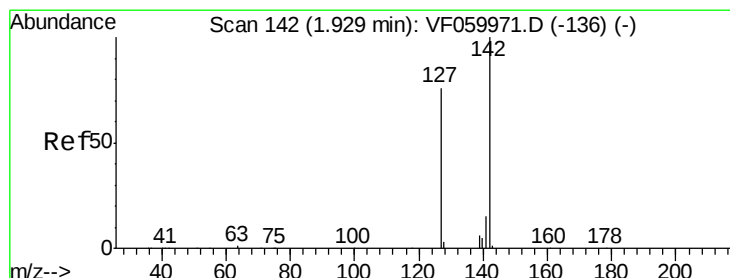
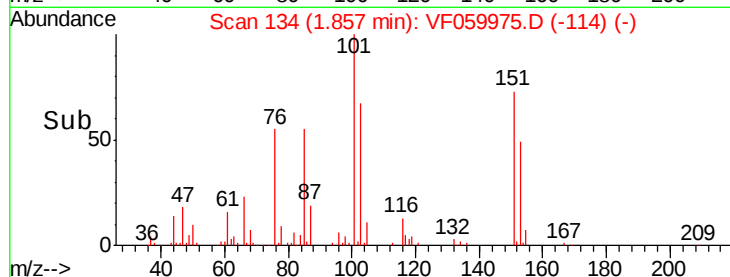
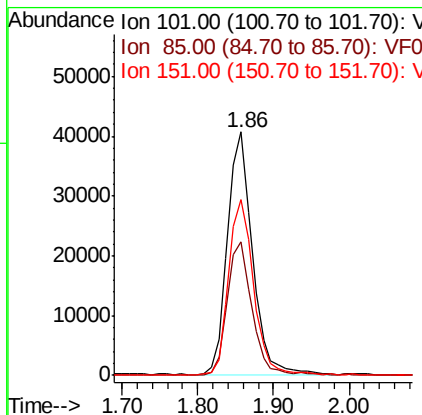
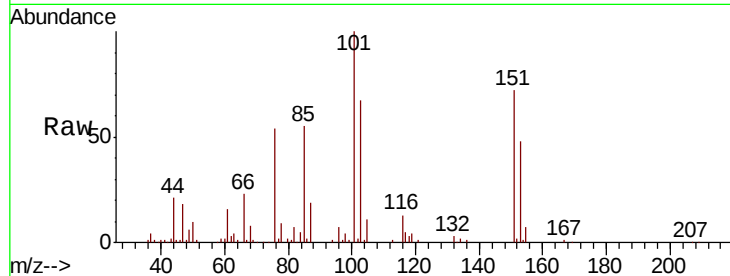
ClientSampleId :

ICVVF081618

Tot Ion:	101	Resp:	92750
Ion Ratio	Lower	Upper	
101	100		
85	55.0	44.2	66.4
151	72.4	54.5	81.7

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#10

Methyl Iodide

Concen: 54.31 ug/l

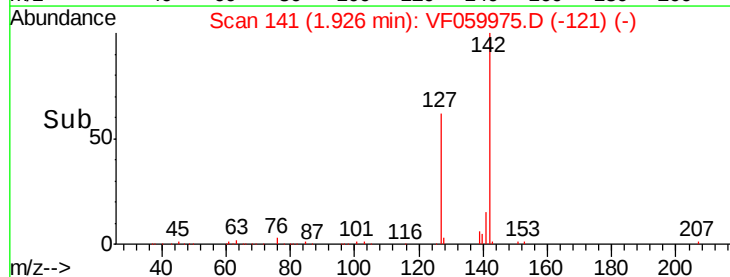
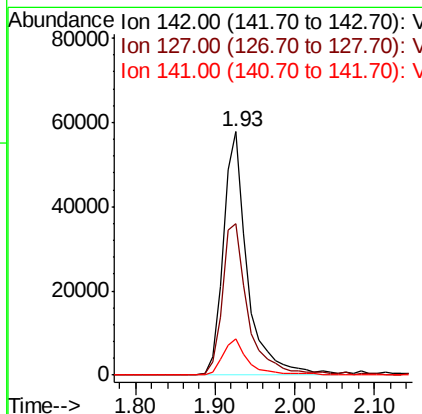
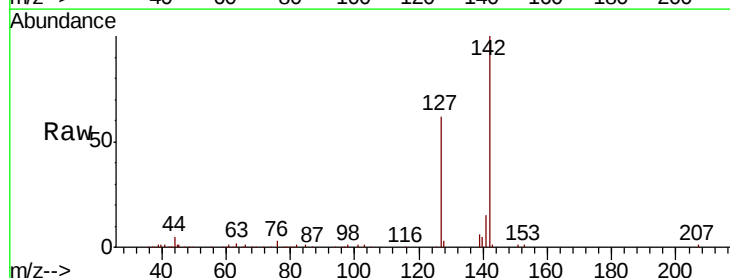
RT: 1.93 min Scan# 141

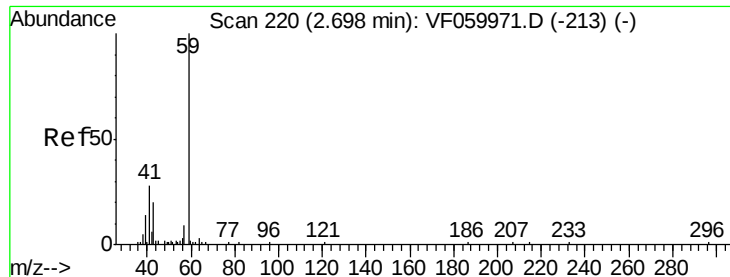
Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Tgt Ion:	142	Resp:	123401
Ion Ratio	Lower	Upper	
142	100		
127	62.4	61.0	91.6
141	15.0	12.1	18.1





#11

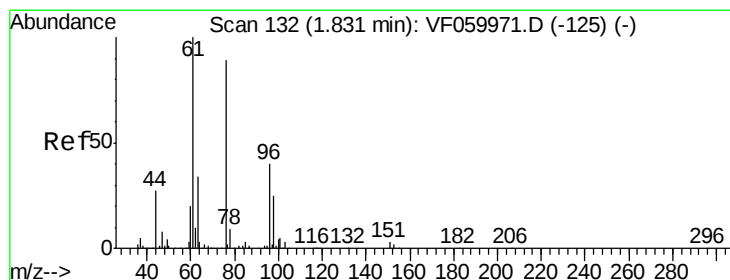
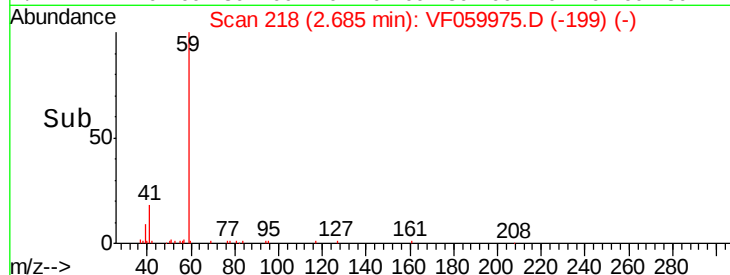
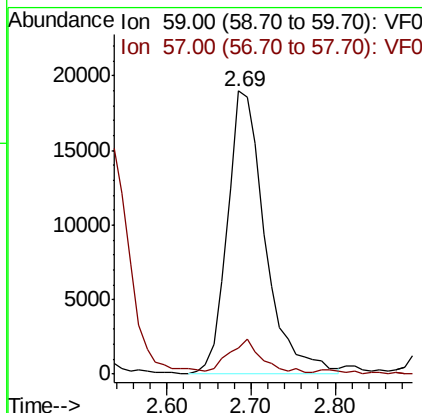
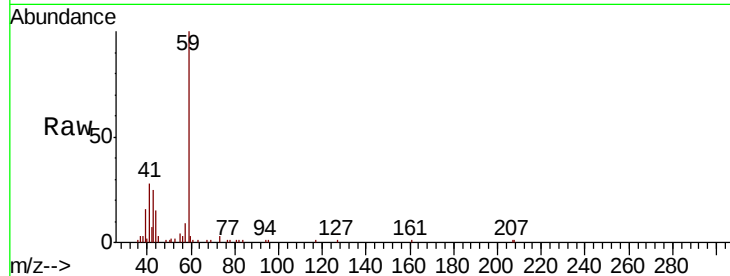
Tert butyl alcohol
Concen: 258.23 ug/l
RT: 2.69 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.8	13.2

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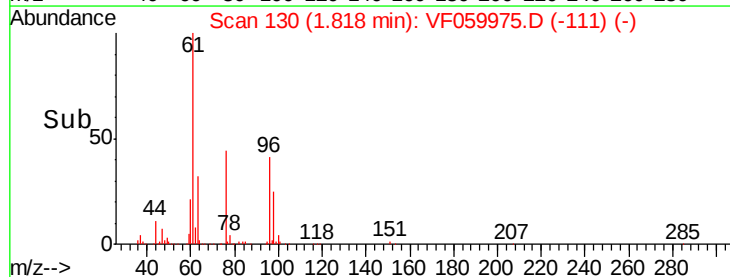
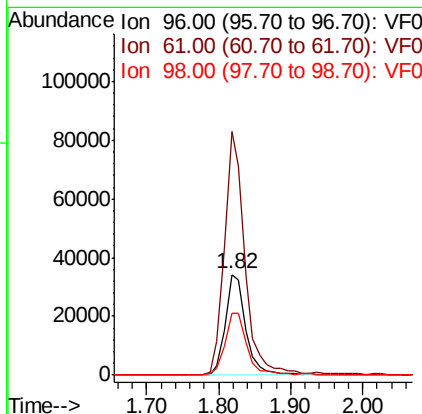
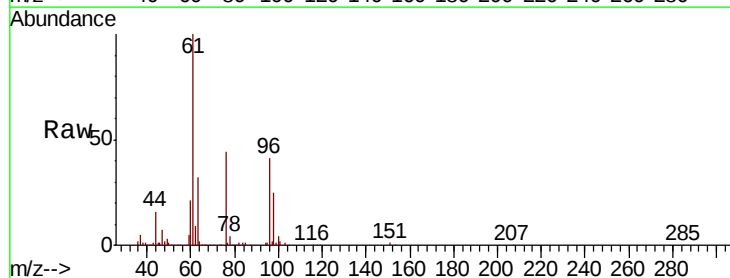
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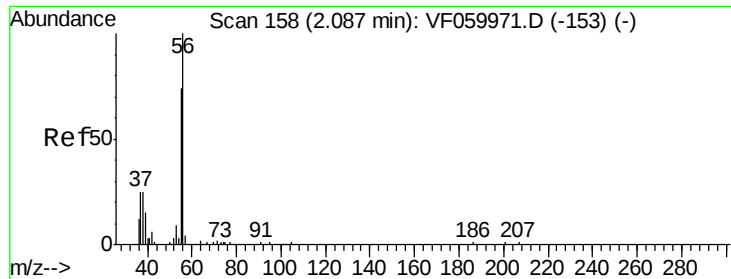


#12

1,1-Dichloroethene
Concen: 53.45 ug/l
RT: 1.82 min Scan# 130
Delta R.T. -0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	242.8	200.0	300.0
98	61.6	49.8	74.8





#13

Acrolein

Concen: 277.76 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion: 56 Resp: 30932

Ion Ratio Lower Upper

56 100

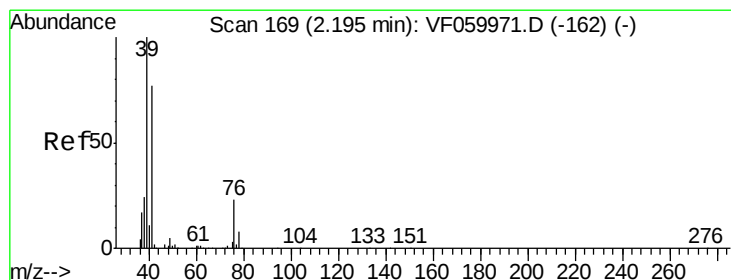
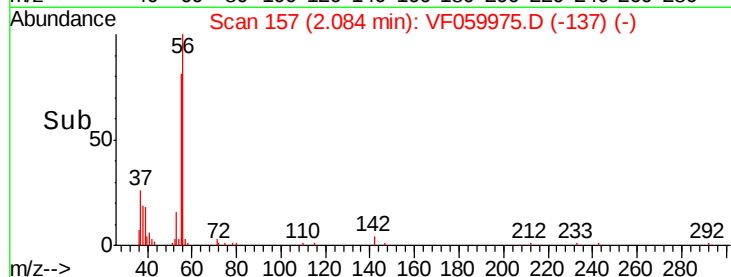
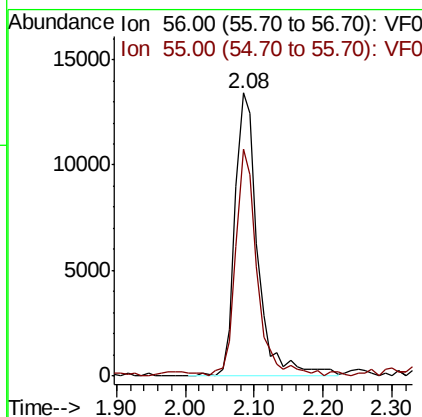
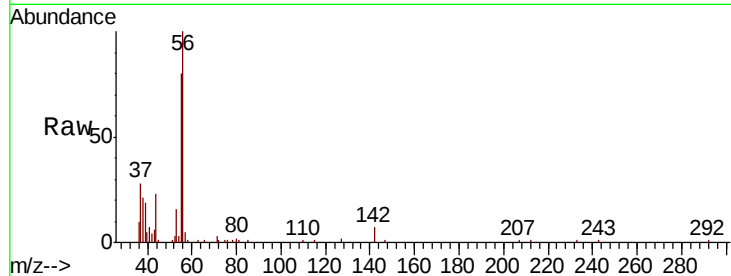
55 80.3 59.2 88.8

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#14

Allyl chloride

Concen: 52.13 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

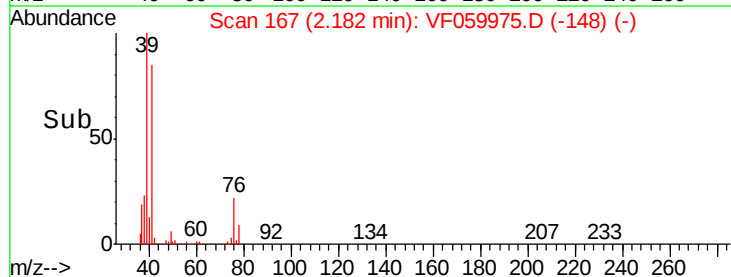
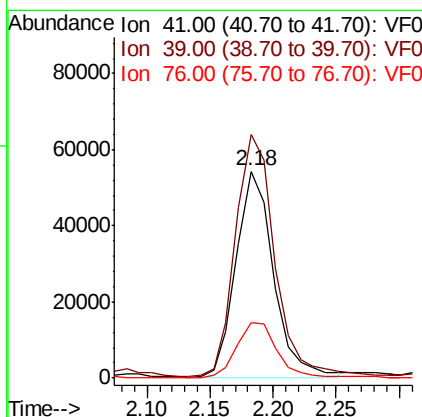
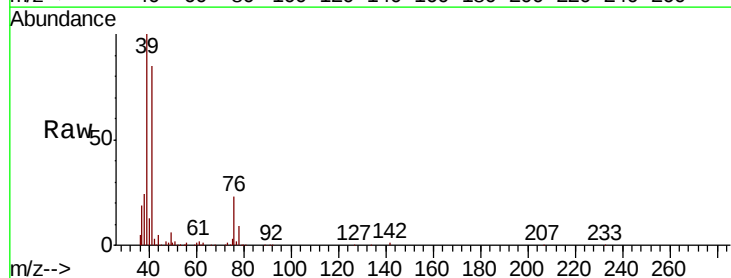
Tgt Ion: 41 Resp: 112083

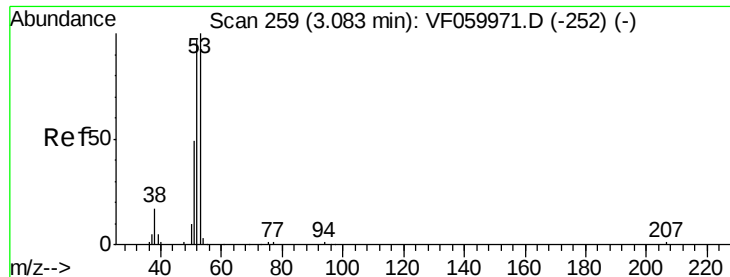
Ion Ratio Lower Upper

41 100

39 117.6 103.6 155.4

76 26.9 23.5 35.3





#15

Acrylonitrile

Concen: 288.33 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

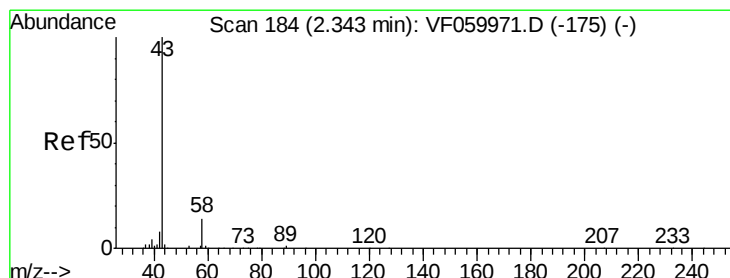
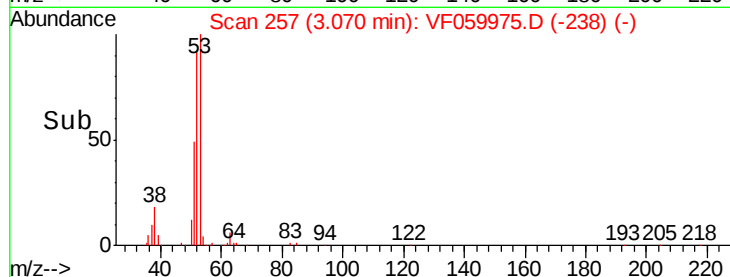
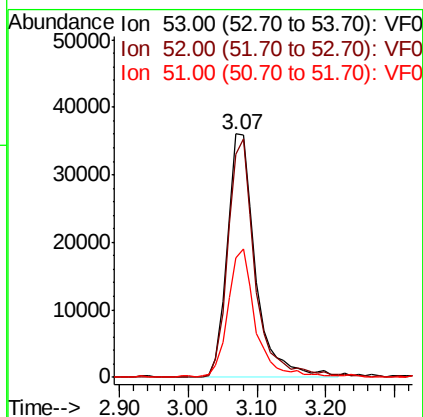
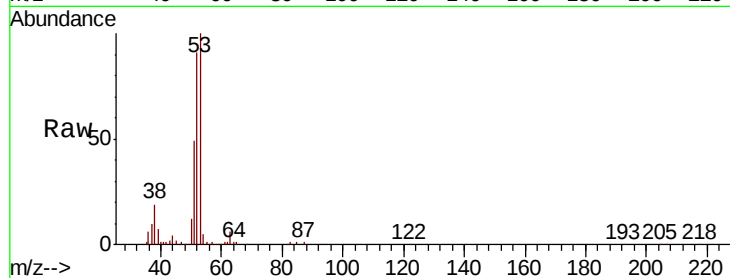
ClientSampleId :

ICVVF081618

Tot Ion:	53	Resp:	102353
Ion Ratio		Lower	Upper
53	100		
52	91.4	77.6	116.4
51	49.1	40.2	60.2

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#16

Acetone

Concen: 242.02 ug/l

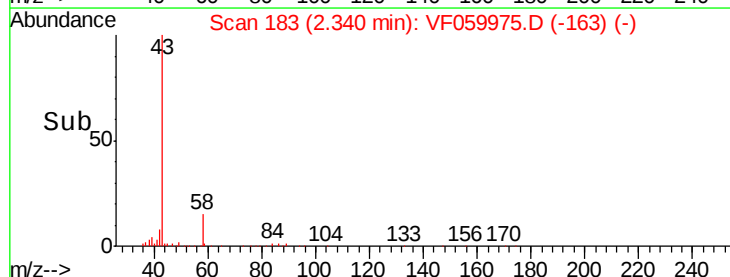
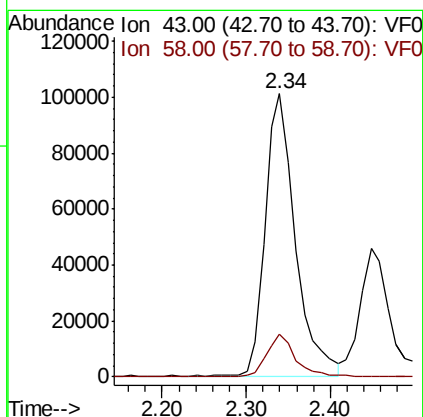
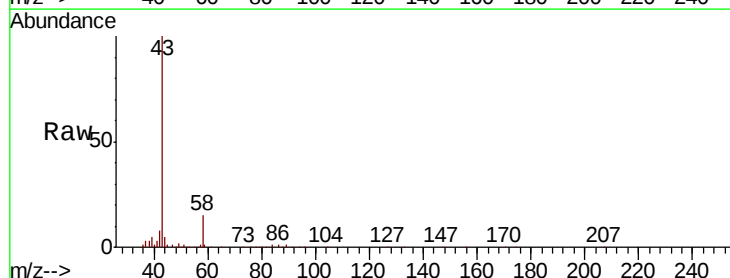
RT: 2.34 min Scan# 183

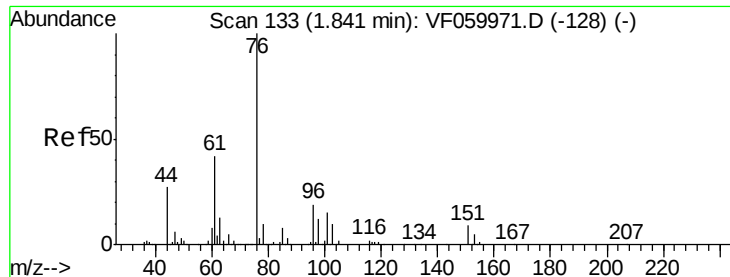
Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Tgt Ion:	43	Resp:	256727
Ion Ratio		Lower	Upper
43	100		
58	14.9	11.1	16.7





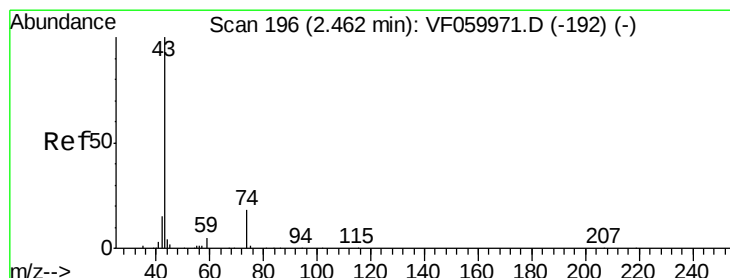
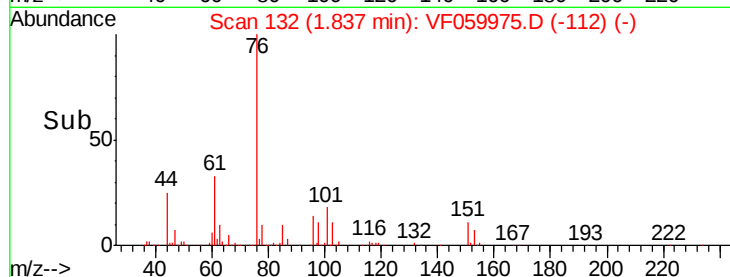
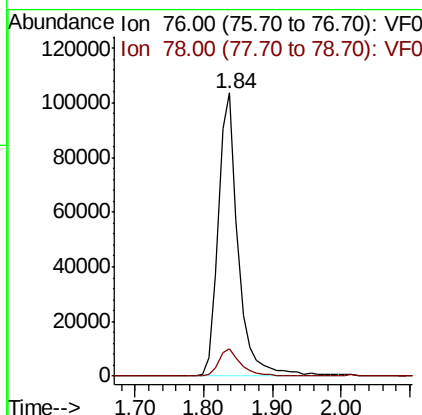
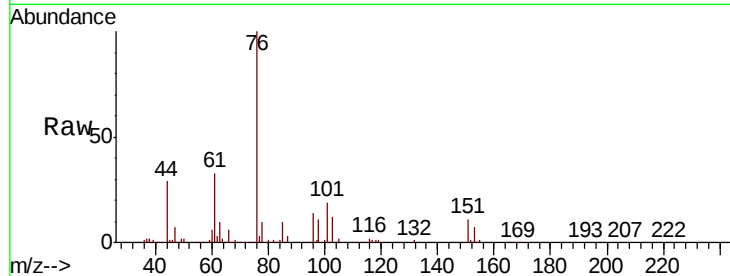
#17
Carbon Disulfide
Concen: 51.63 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	8.0	12.0

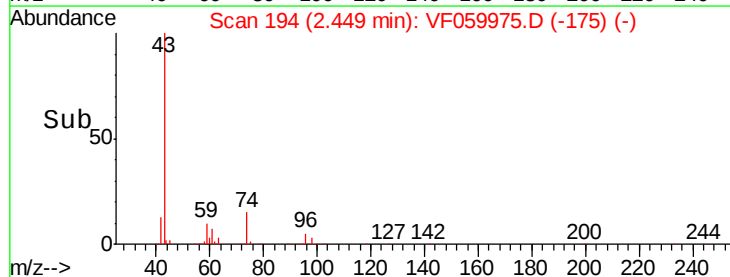
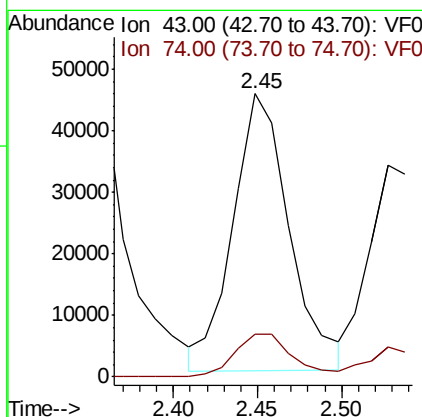
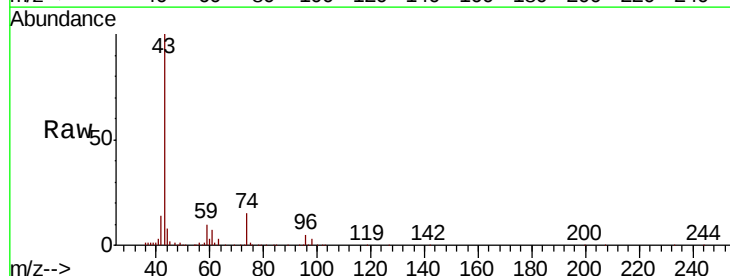
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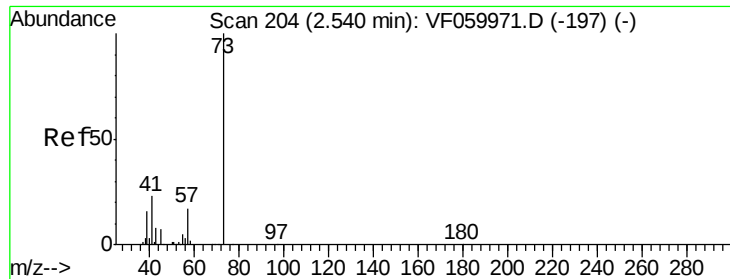
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#18
Methyl Acetate
Concen: 53.45 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.2	13.2	19.8





#19

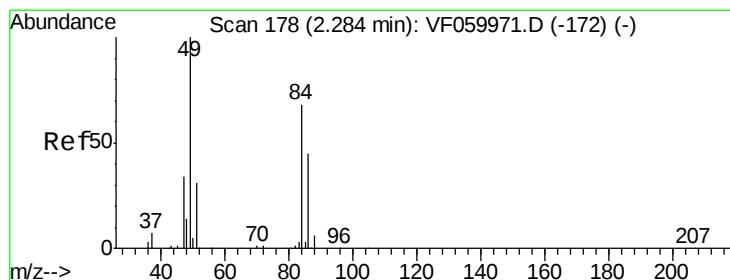
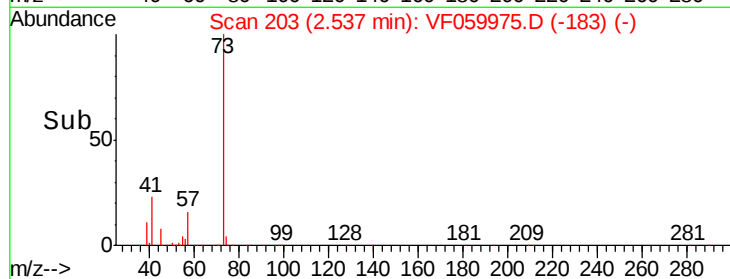
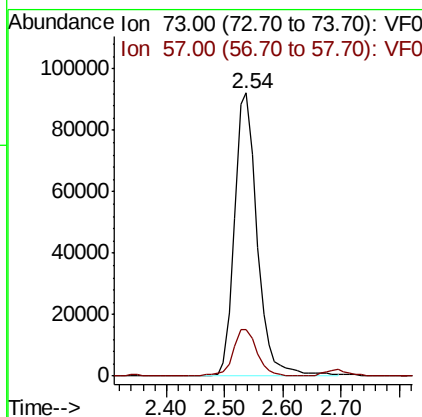
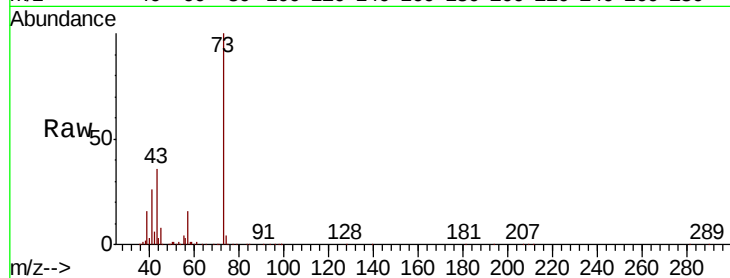
Methyl tert-butyl Ether
Concen: 52.40 ug/l
RT: 2.54 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.5	13.7	20.5

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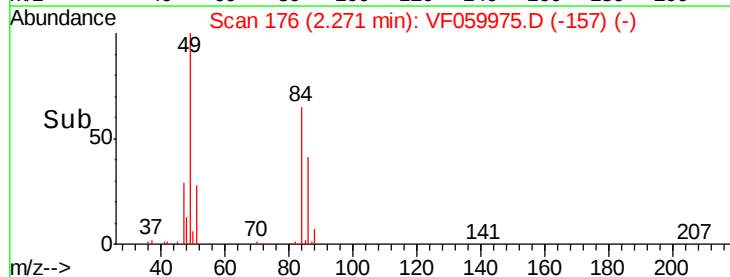
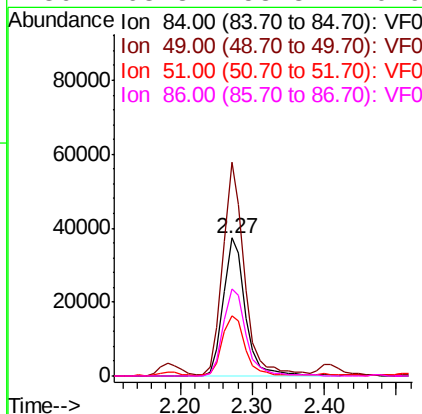
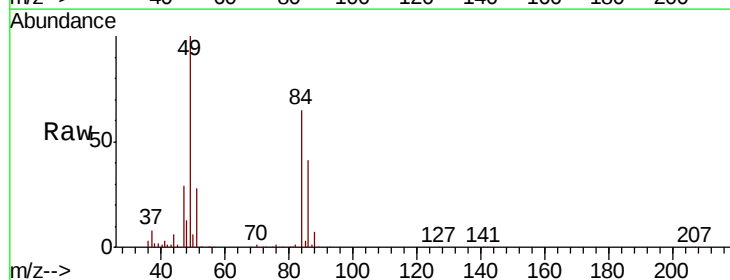
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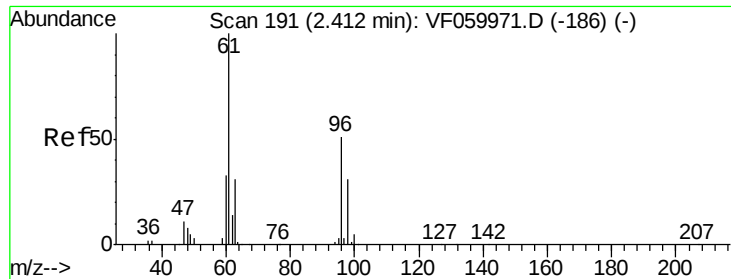


#20

Methylene Chloride
Concen: 56.67 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.9	118.2	177.2
51	43.8	36.3	54.5
86	63.3	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 55.09 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

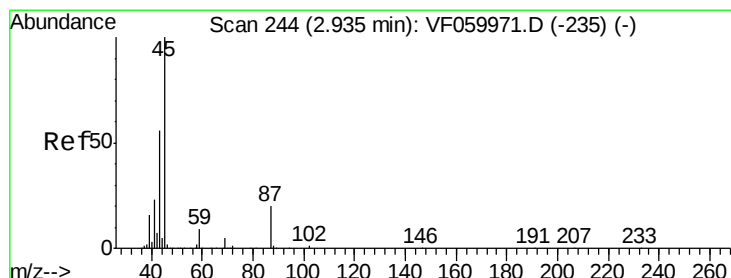
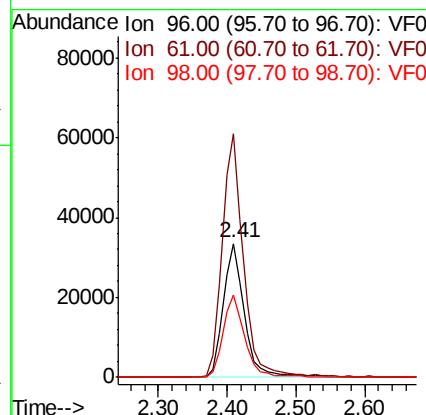
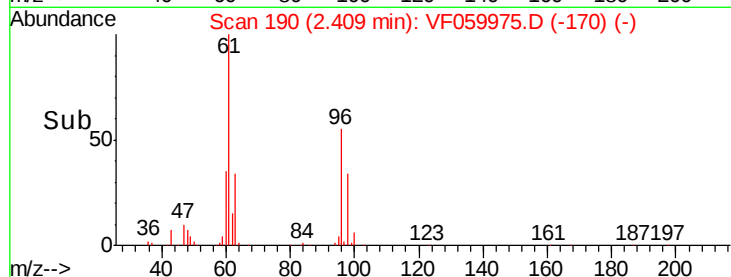
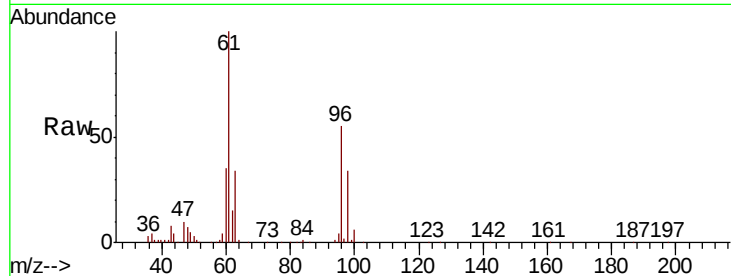
ClientSampleId :

ICVVF081618

Tot Ion:	96	Resp:	71359
Ion	Ratio	Lower	Upper
96	100		
61	181.7	156.9	235.3
98	61.9	48.6	73.0

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#22

Diisopropyl ether

Concen: 56.25 ug/l

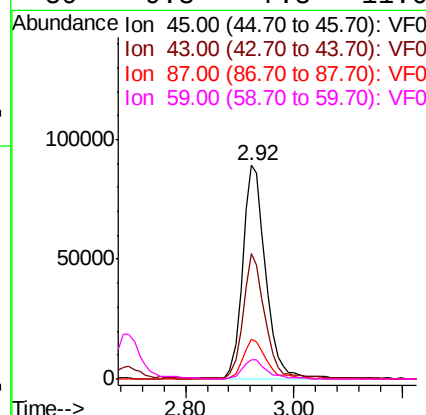
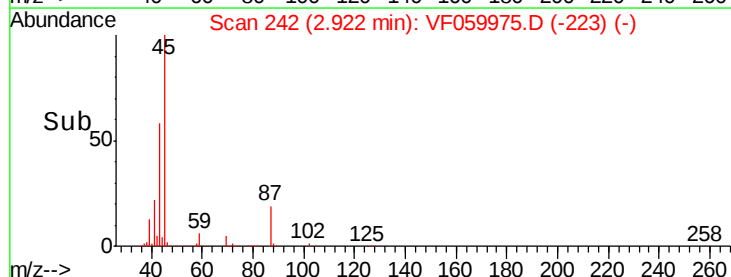
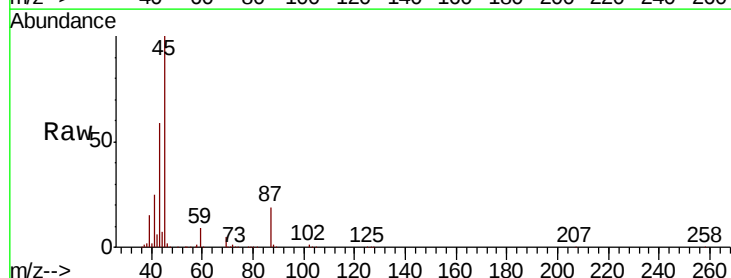
RT: 2.92 min Scan# 242

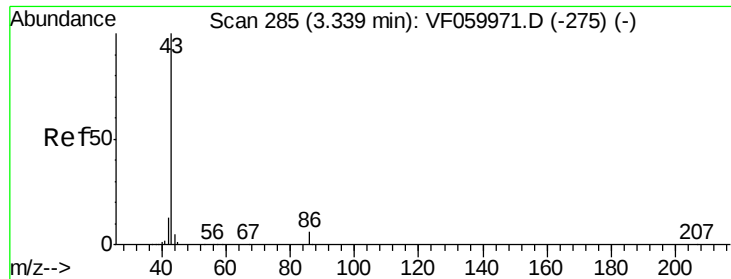
Delta R.T. -0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Tgt Ion:	45	Resp:	264628
Ion	Ratio	Lower	Upper
45	100		
43	58.9	44.9	67.3
87	18.6	15.8	23.6
59	9.3	7.8	11.6





#23

Vinyl Acetate

Concen: 303.79 ug/l

RT: 3.33 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

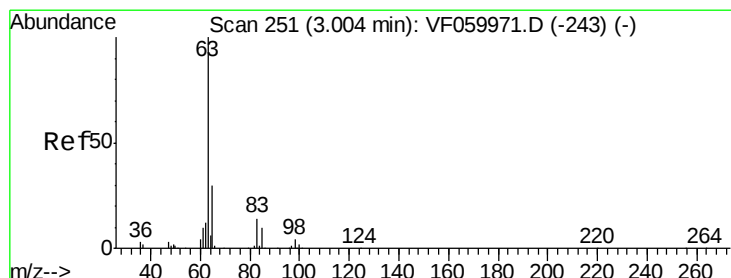
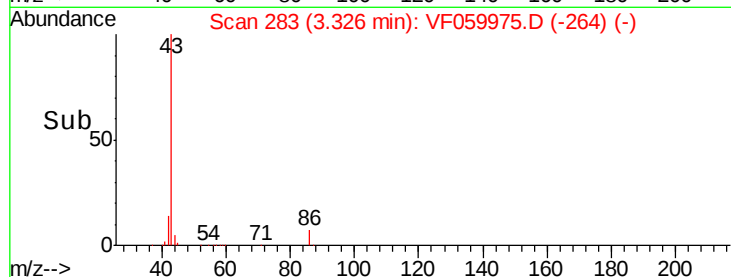
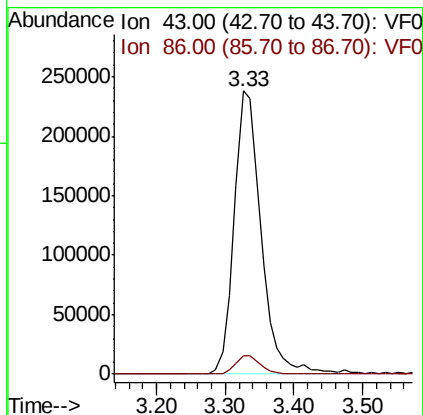
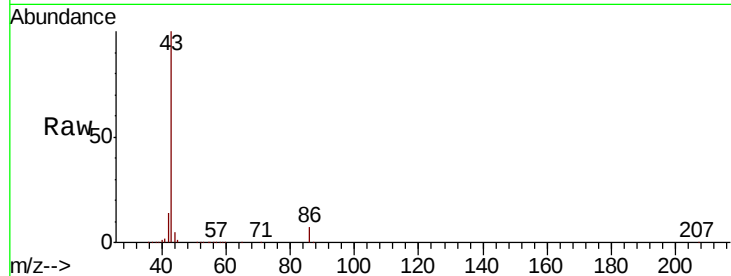
ClientSampleId :

ICVVF081618

Tot Ion	43	Resp	644957
Ion	Ratio	Lower	Upper
43	100		
86	6.5	4.5	6.7

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#24

1,1-Dichloroethane

Concen: 53.06 ug/l

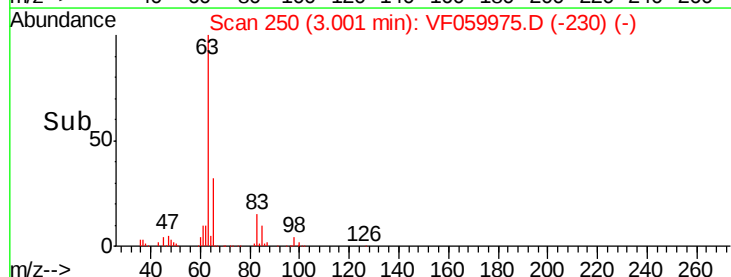
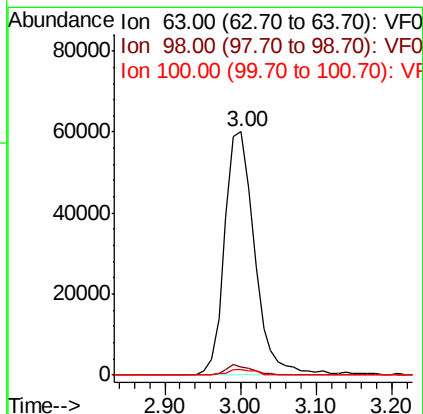
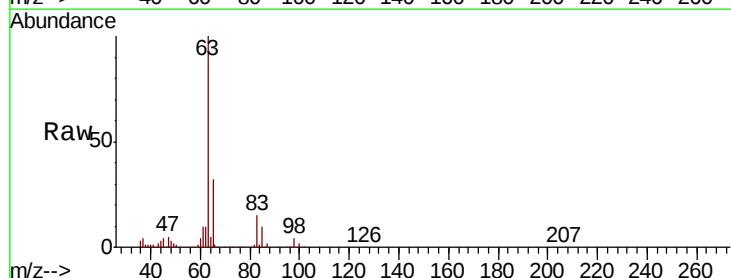
RT: 3.00 min Scan# 250

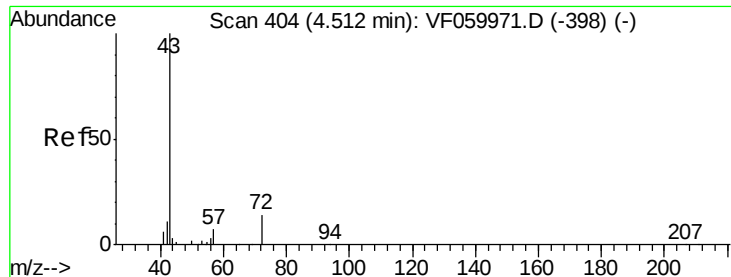
Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Tgt Ion	63	Resp	165948
Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.8	5.4
100	2.3	1.1	3.1





#25

2-Butanone

Concen: 270.48 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion: 43 Resp: 222033

Ion Ratio Lower Upper

43 100

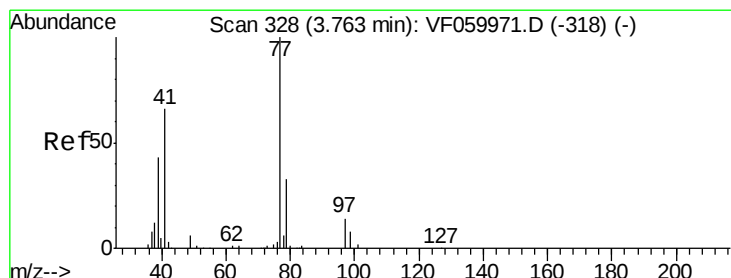
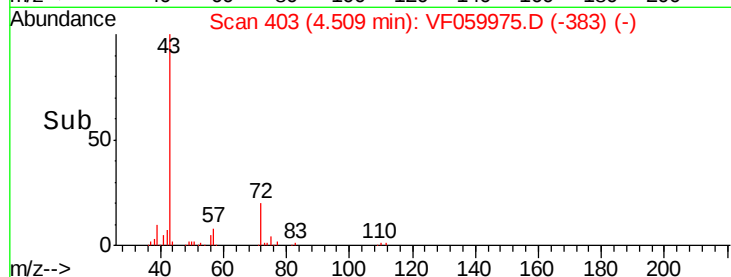
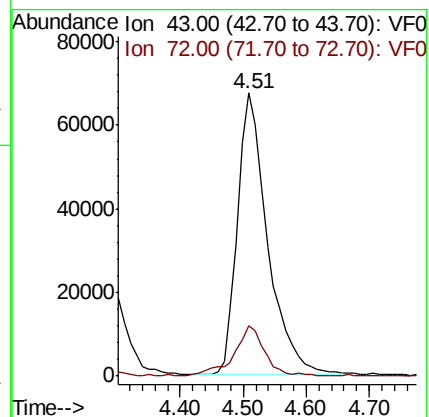
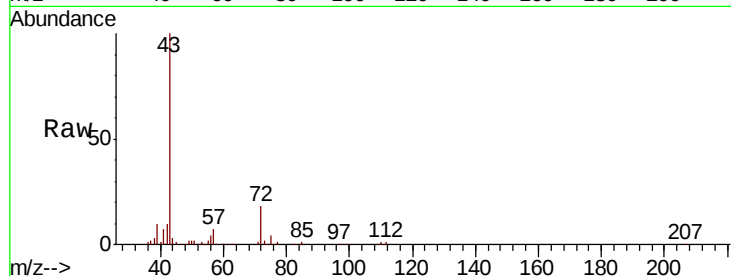
72 17.7 13.4 20.2

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#26

2,2-Dichloropropane

Concen: 50.85 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059975.D

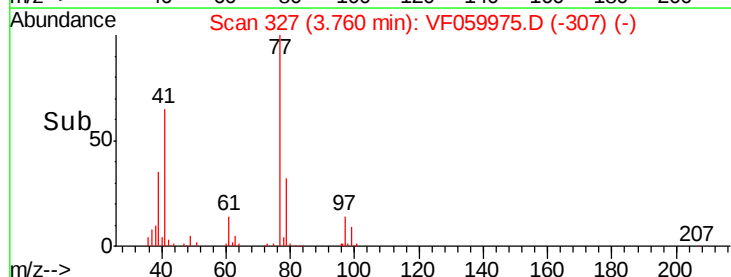
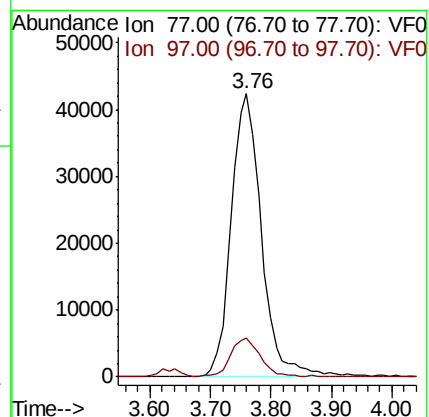
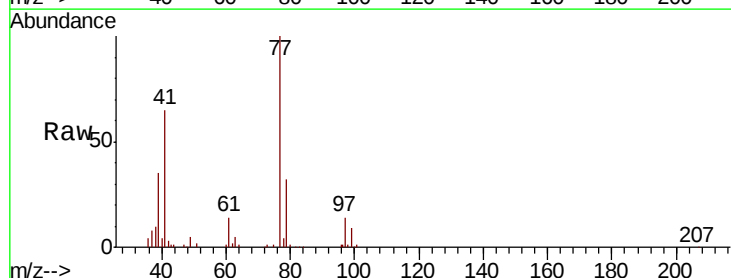
Acq: 16 Aug 2018 22:26

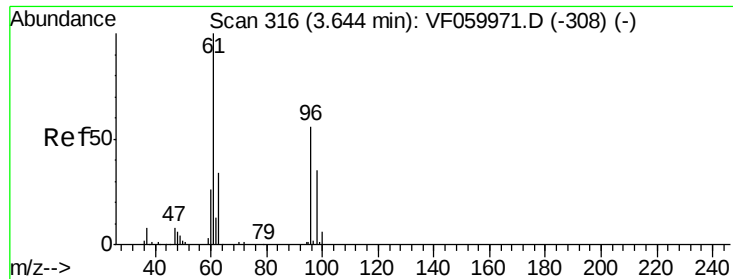
Tgt Ion: 77 Resp: 146871

Ion Ratio Lower Upper

77 100

97 13.9 7.4 22.3





#27

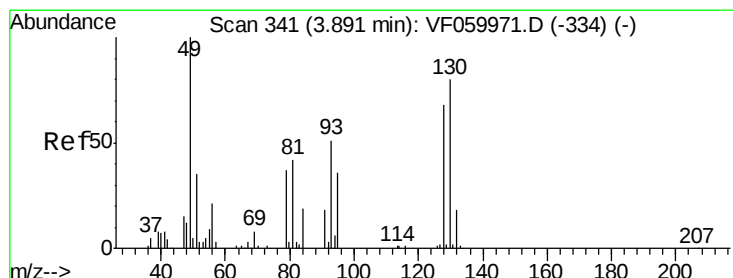
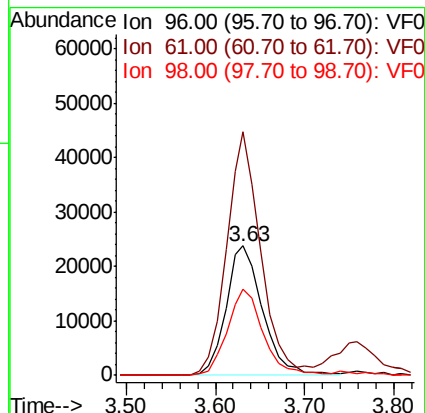
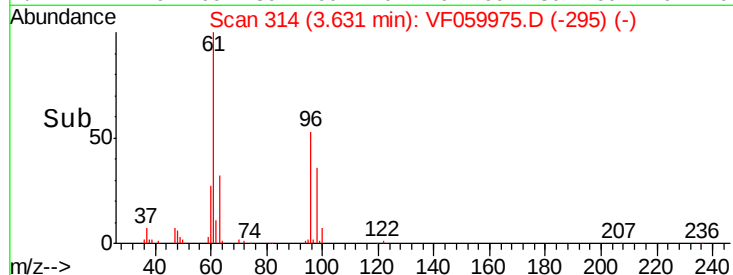
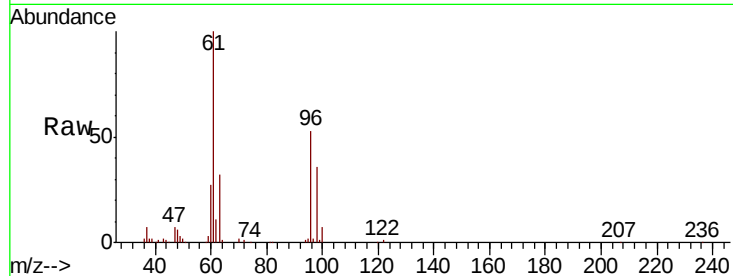
cis-1,2-Dichloroethene
Concen: 55.82 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Resp	Lower	Upper
96	100	68320		
61	187.8		0.0	356.4
98	66.9		0.0	125.2

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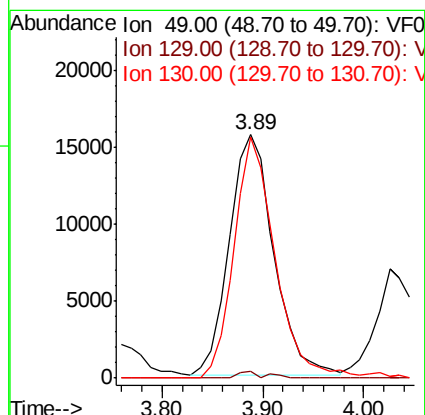
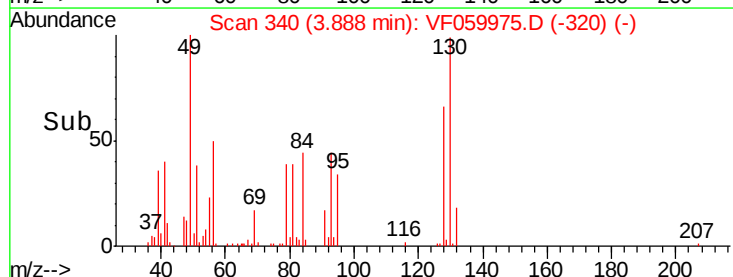
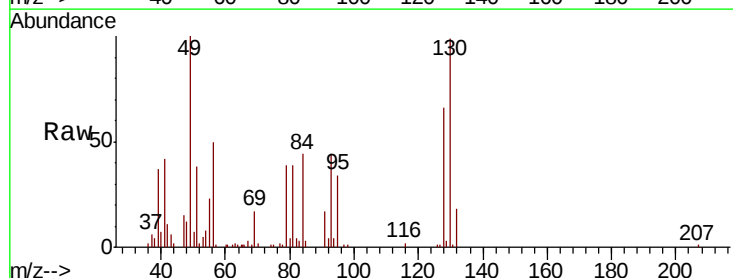
apatel
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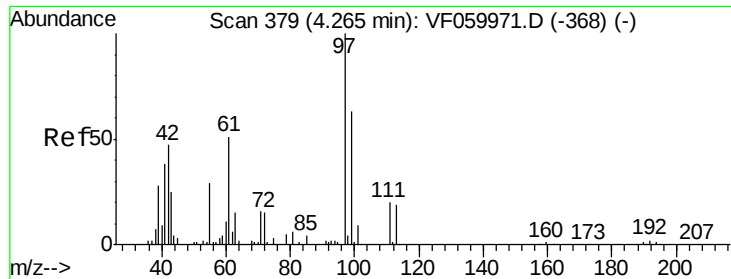


#28

Bromochloromethane
Concen: 48.58 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	47871		
129	2.6		0.0	4.6
130	98.8		64.0	96.0#





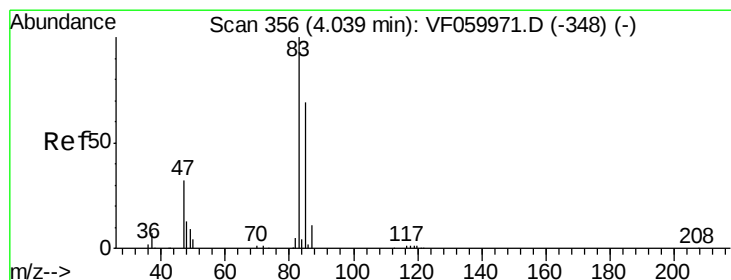
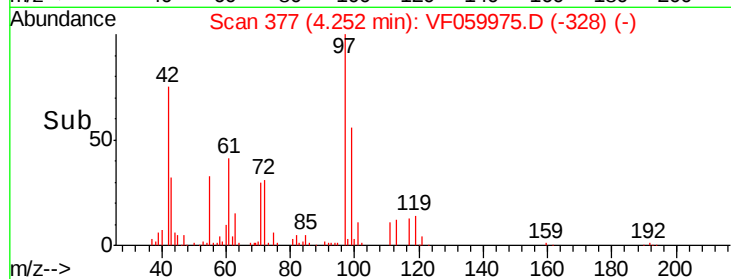
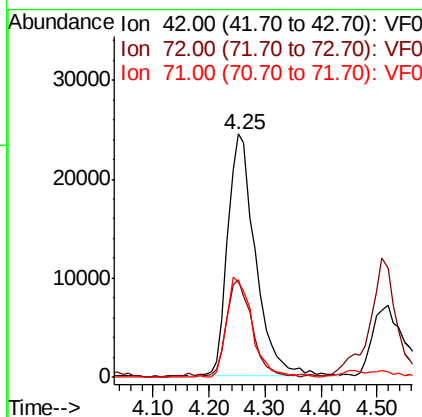
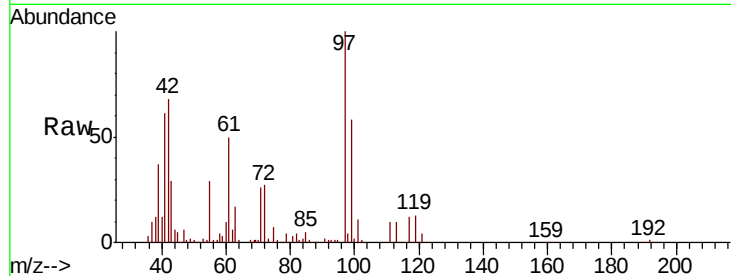
#29
Tetrahydrofuran
Concen: 263.49 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	36.9		27.9	41.9
71	37.6		26.9	40.3

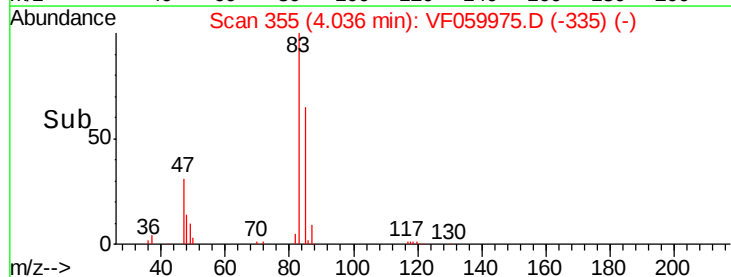
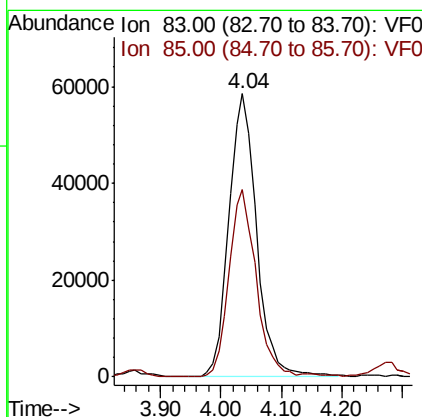
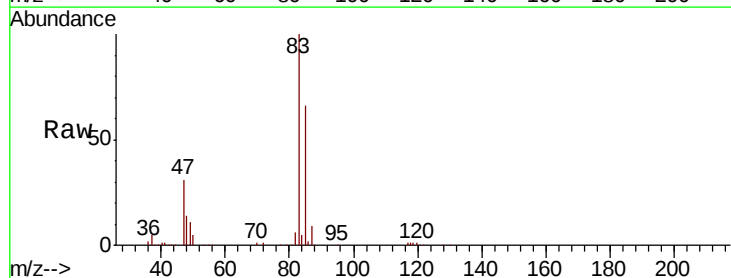
Manual Integrations
APPROVED

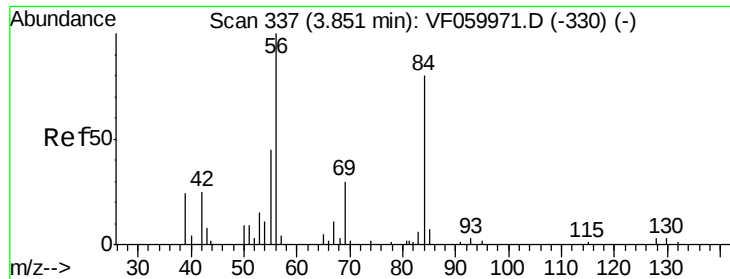
apatel
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#30
Chloroform
Concen: 51.39 ug/l
RT: 4.04 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.0		54.9	82.3





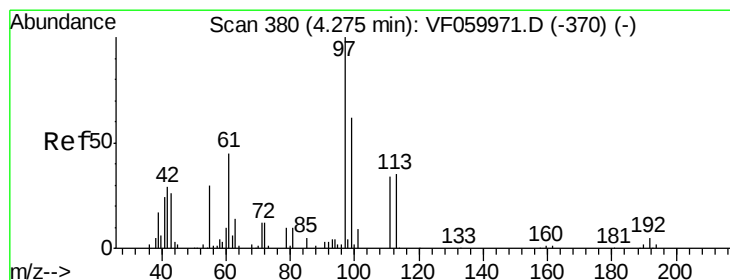
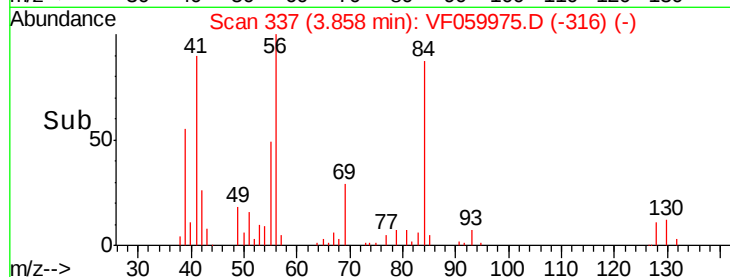
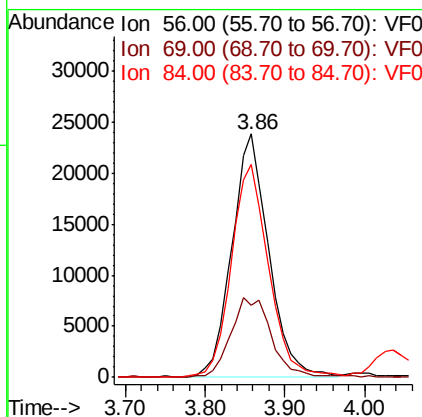
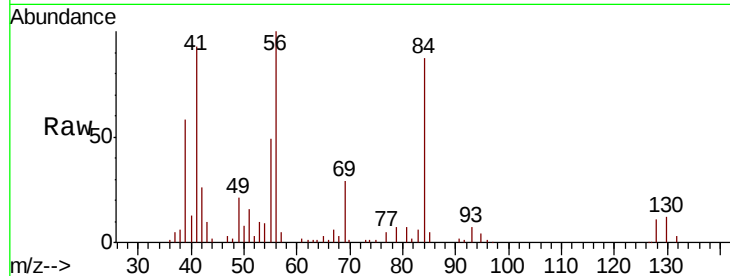
#31
Cyclohexane
Concen: 58.05 ug/l
RT: 3.86 min Scan# 337
Delta R.T. 0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	29.4	23.8	35.6	
84	87.5	64.3	96.5	

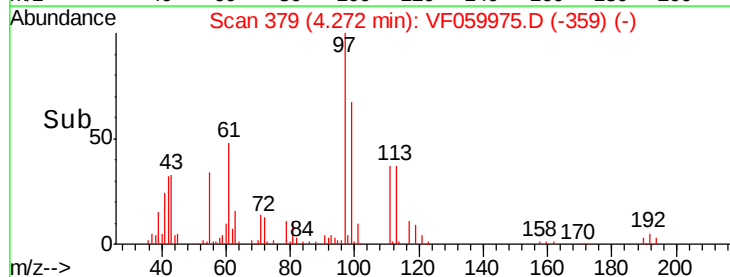
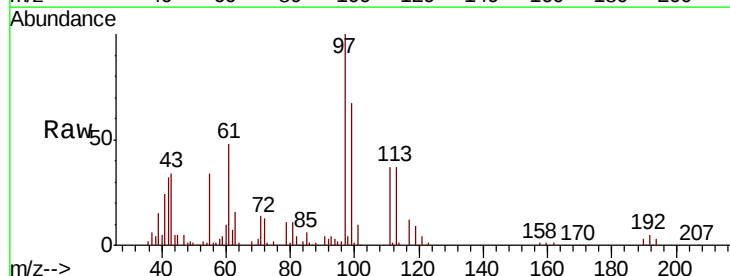
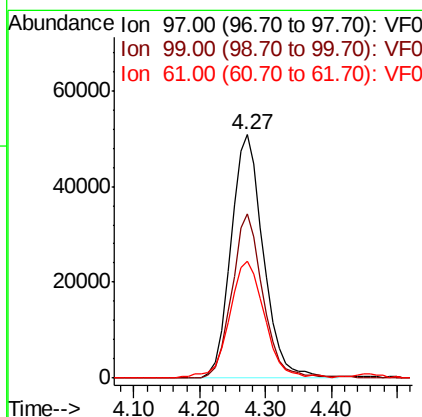
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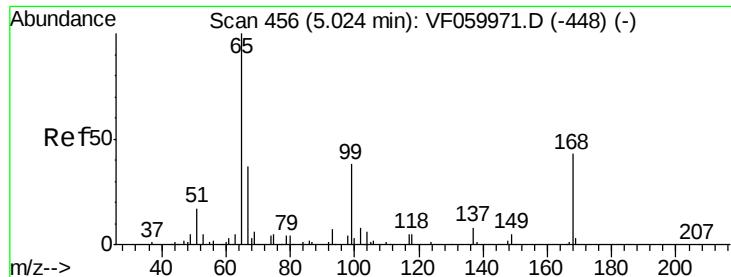
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#32
1,1,1-Trichloroethane
Concen: 50.04 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	67.4	49.3	73.9	
61	47.9	36.5	54.7	





#33

1,2-Dichloroethane-d4

Concen: 46.97 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion: 65 Resp: 142730

Ion Ratio Lower Upper

65 100

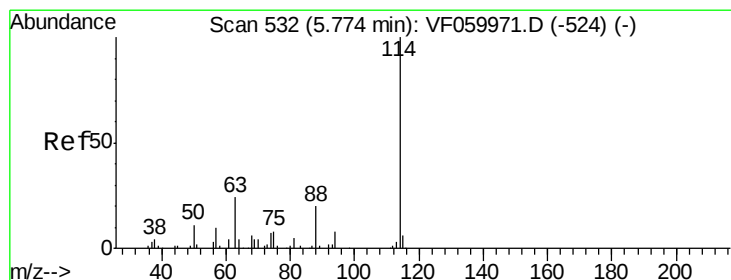
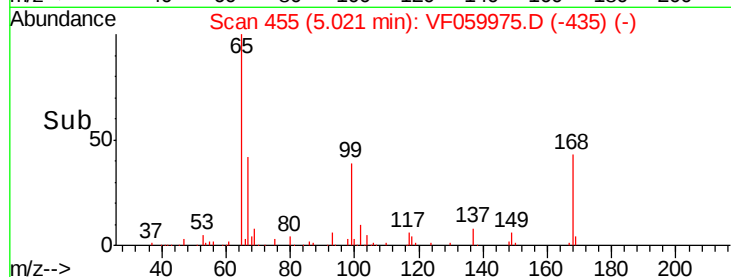
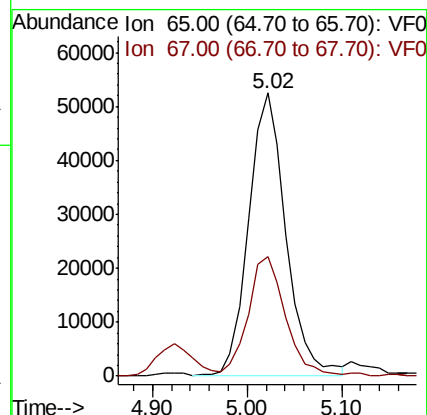
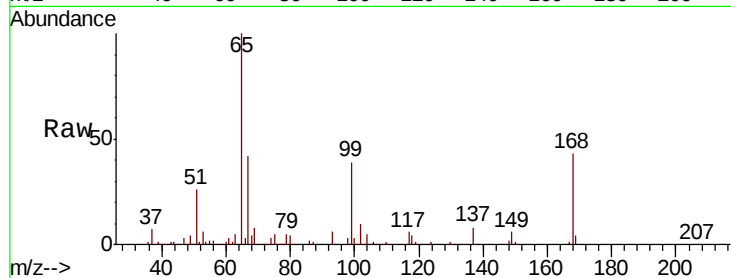
67 42.1 0.0 84.8

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

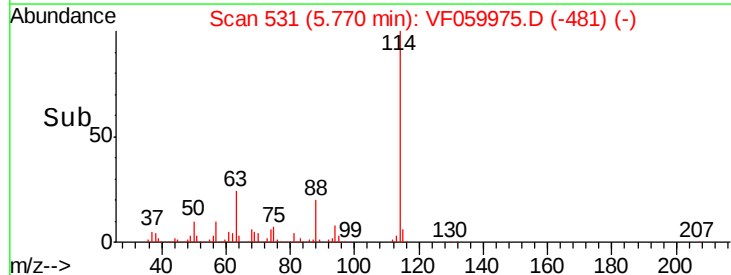
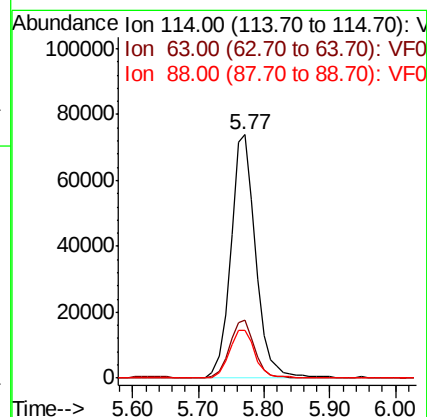
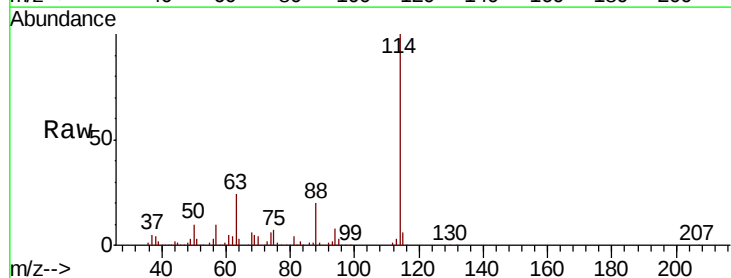
Tgt Ion: 114 Resp: 195840

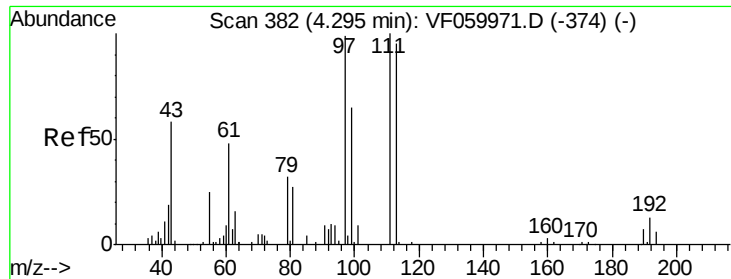
Ion Ratio Lower Upper

114 100

63 23.8 0.0 48.8

88 19.7 0.0 39.6





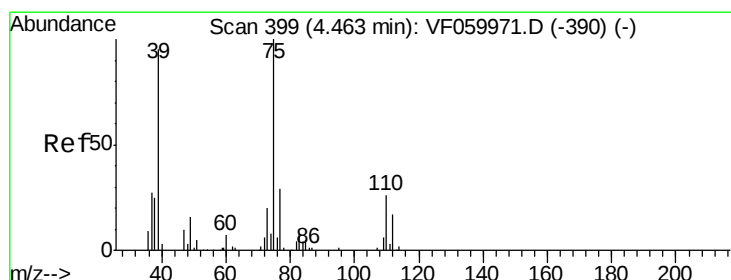
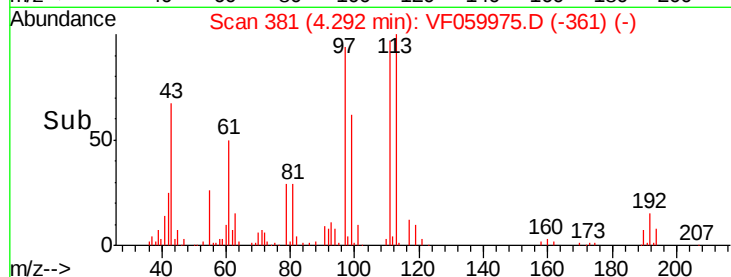
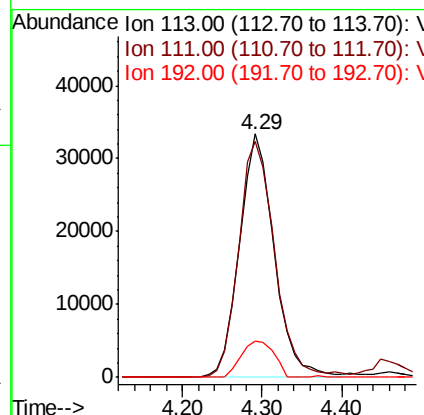
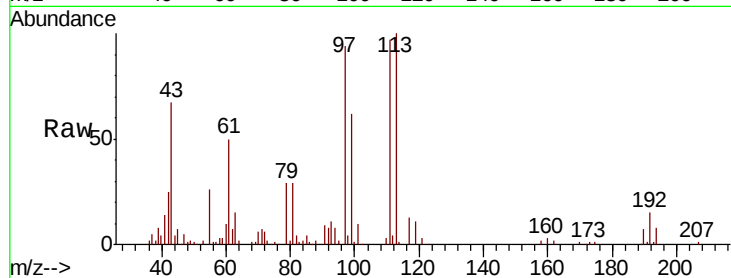
#35
 Dibromofluoromethane
 Concen: 47.36 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VF059975.D
 Acq: 16 Aug 2018 22:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081618

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101079		
111	96.9	83.9	125.9	
192	14.8	11.3	16.9	

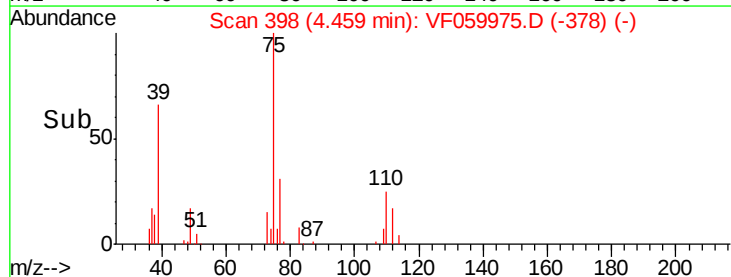
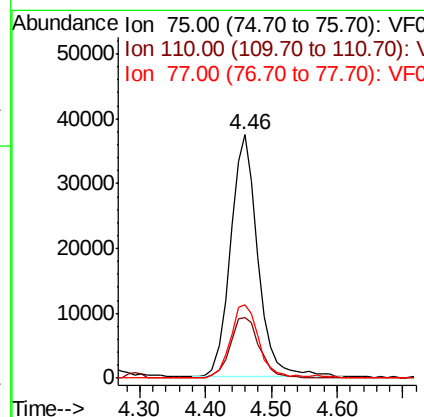
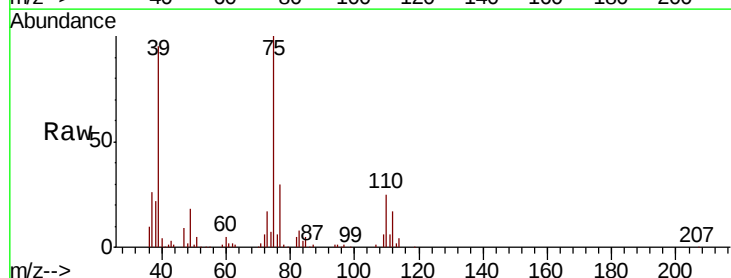
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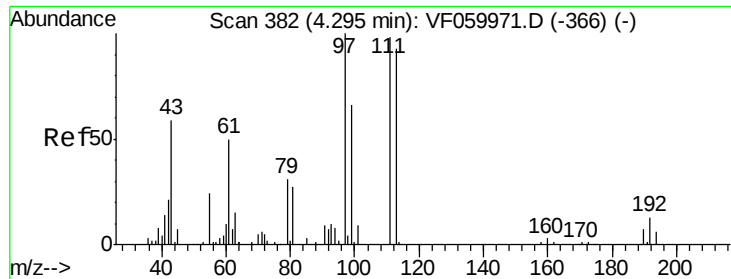
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#36
 1,1-Dichloropropene
 Concen: 48.44 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: VF059975.D
 Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	108208		
110	24.7	13.1	39.3	
77	30.0	23.4	35.0	





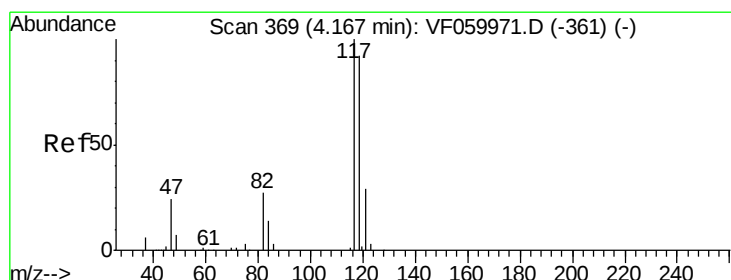
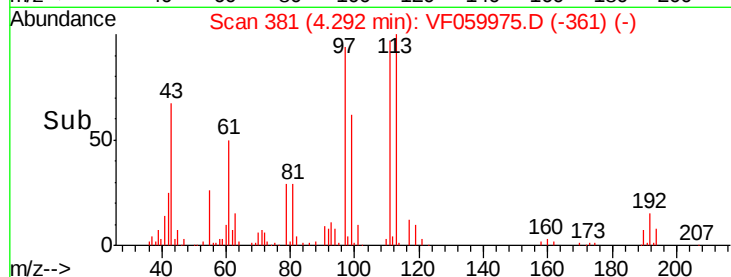
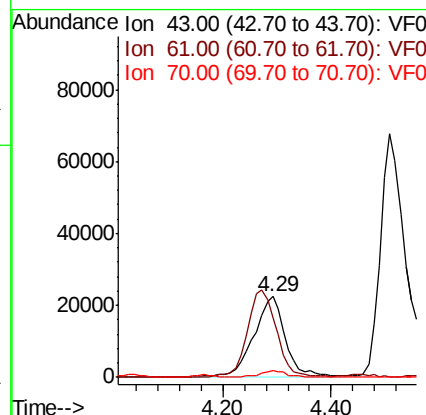
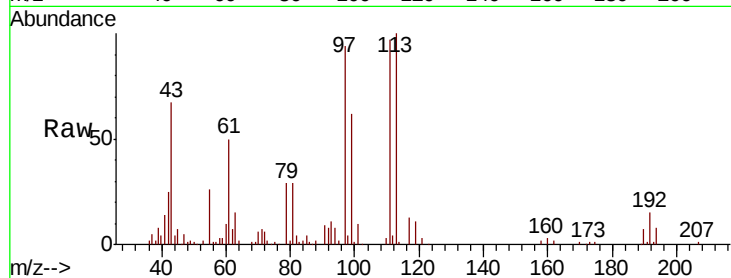
#37
Ethyl Acetate
Concen: 51.44 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61		73.9			67.0	100.4
70			8.5		6.7	10.1

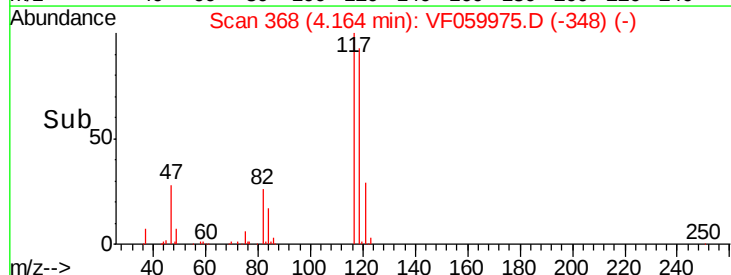
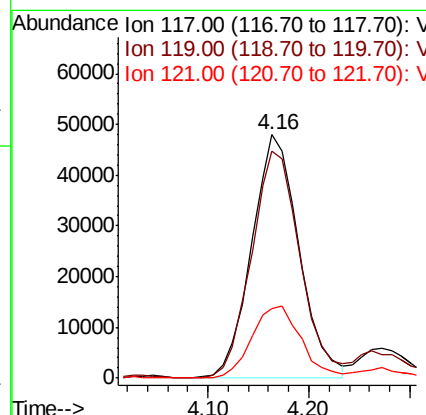
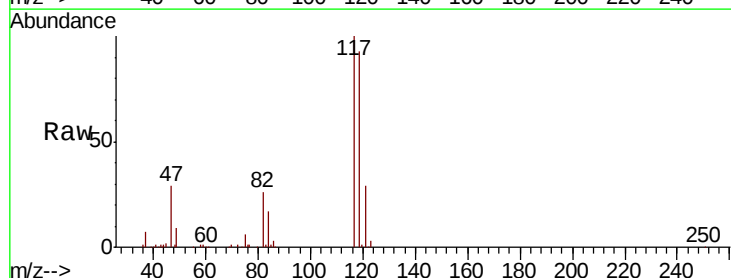
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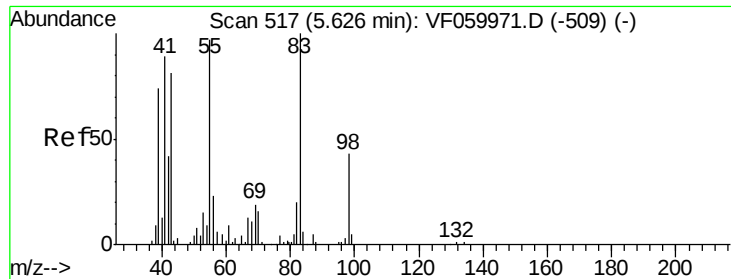
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#38
Carbon Tetrachloride
Concen: 51.74 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119		93.4			73.6	110.4
121			28.8		23.4	35.2





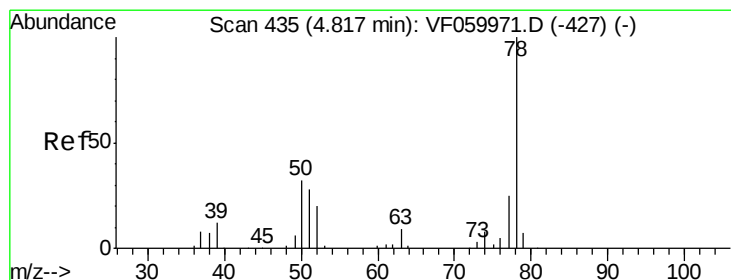
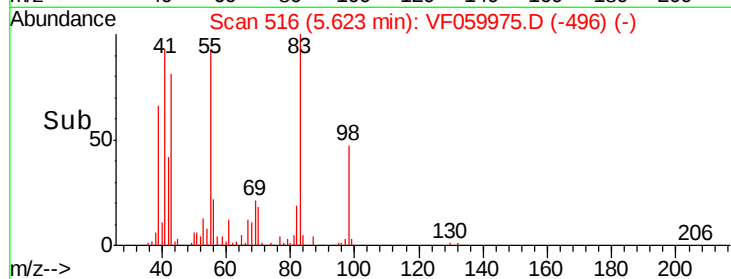
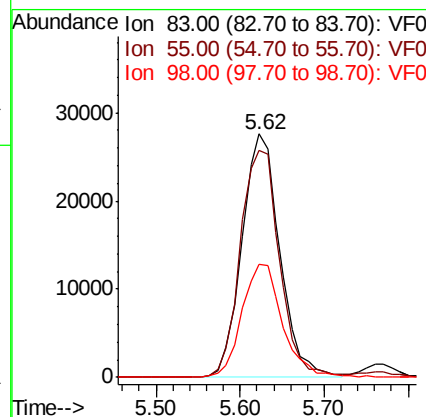
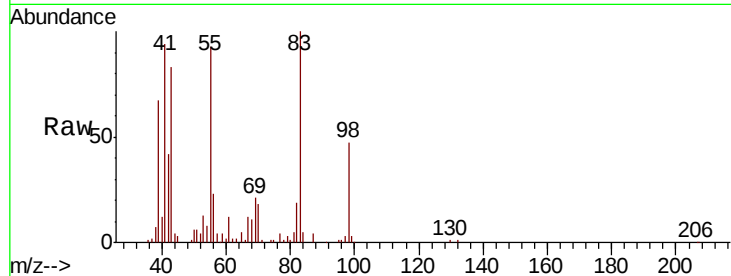
#39
Methvlcvclohexane
Concen: 55.93 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	83.00	Resp:	86890
Ion	Ratio	Lower	Upper
83	100		
55	93.1	77.7	116.5
98	46.6	34.2	51.4

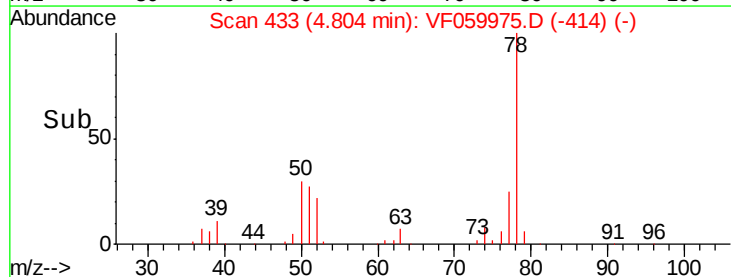
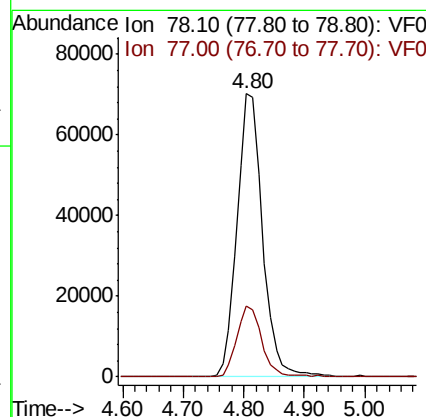
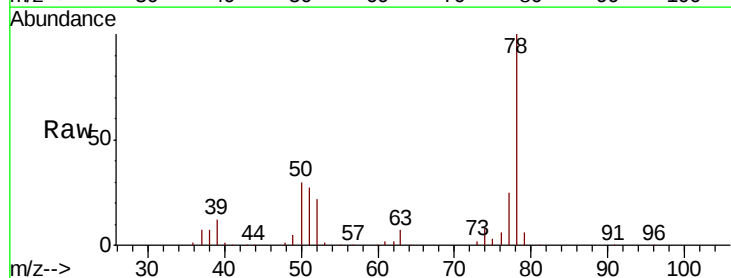
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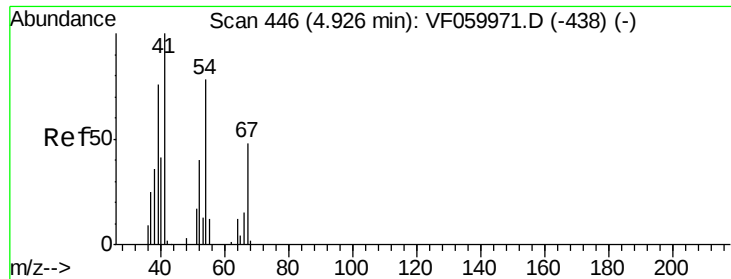
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#40
Benzene
Concen: 54.91 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	78	Resp:	205801
Ion	Ratio	Lower	Upper
78	100		
77	24.9	20.3	30.5





#41

Methacrylonitrile

Concen: 52.81 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion: 41 Resp: 41869

Ion Ratio Lower Upper

41 100

39 72.8 69.9 104.9

67 38.2 38.6 58.0#

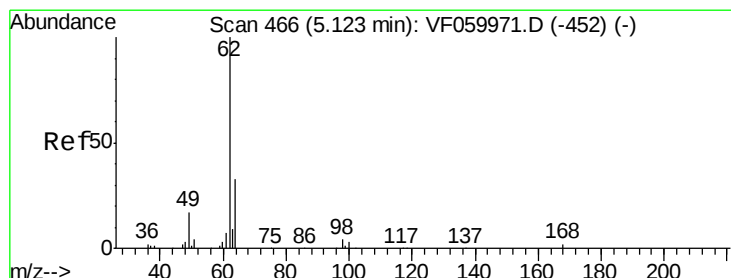
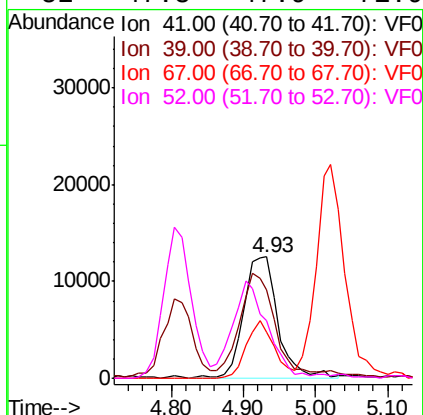
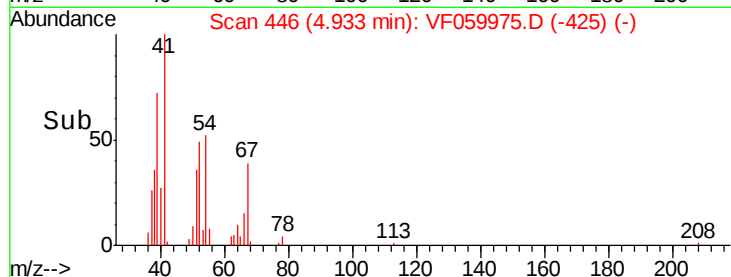
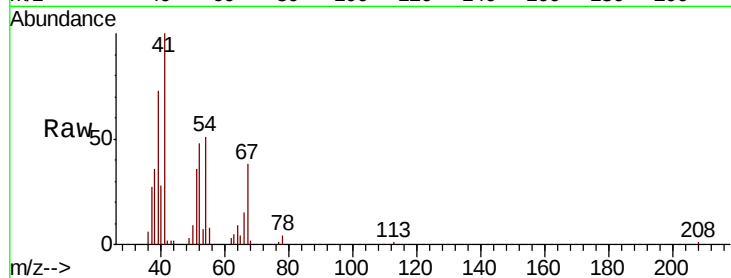
52 47.8 47.9 71.9#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 46.02 ug/l

RT: 5.12 min Scan# 465

Delta R.T. -0.00 min

Lab File: VF059975.D

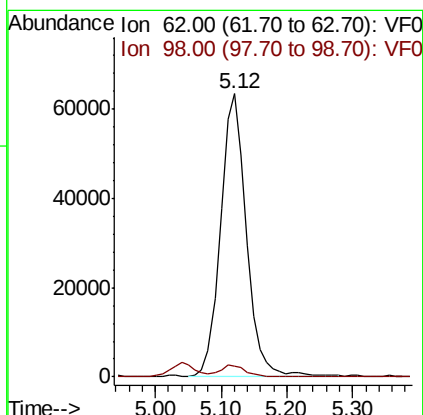
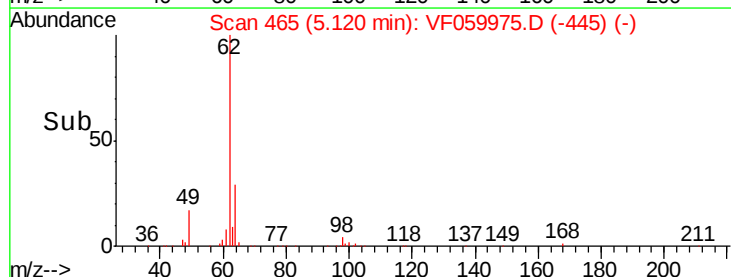
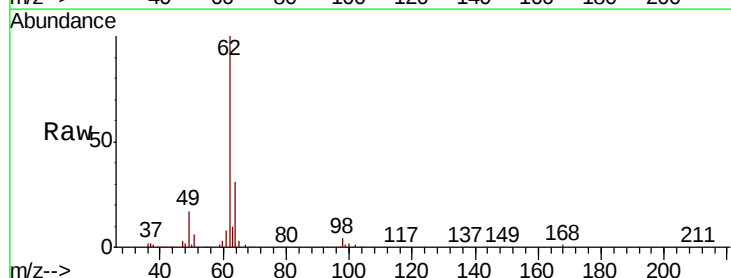
Acq: 16 Aug 2018 22:26

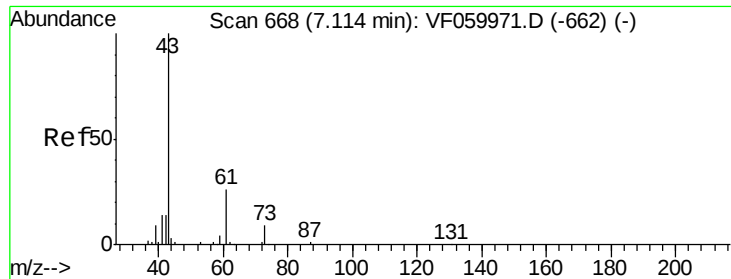
Tgt Ion: 62 Resp: 171339

Ion Ratio Lower Upper

62 100

98 3.8 0.0 8.2





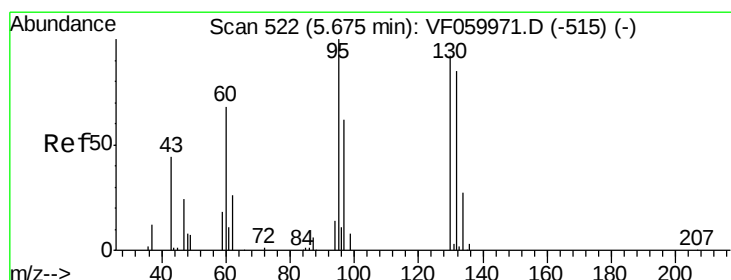
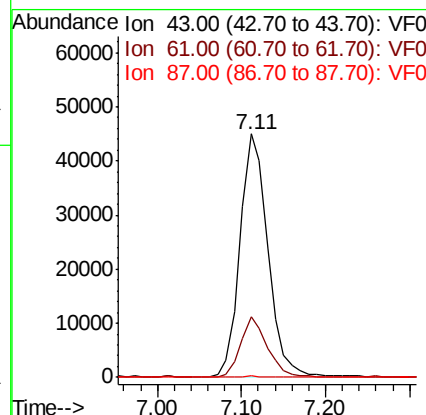
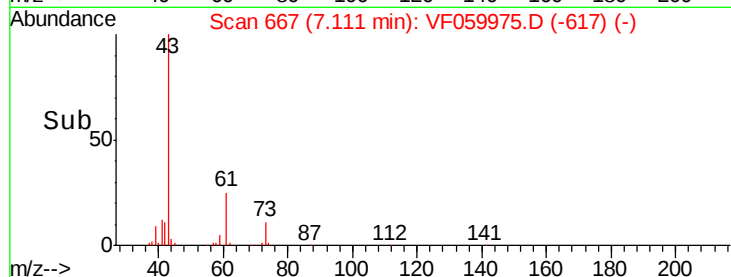
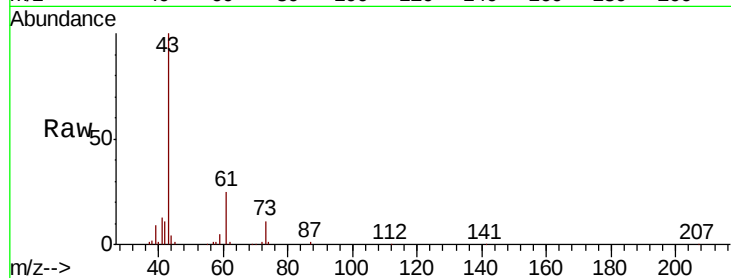
#43
Isopropyl Acetate
Concen: 56.10 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.0	20.8	31.2
87	0.7	0.5	0.7

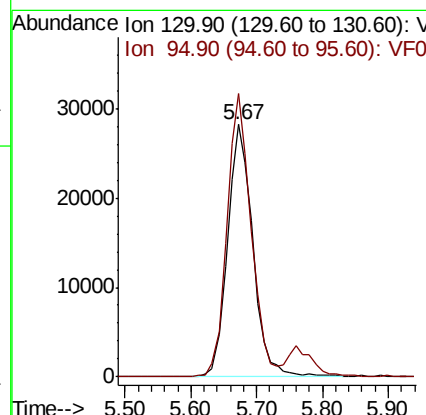
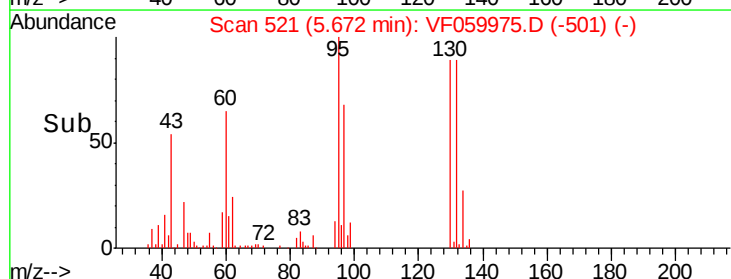
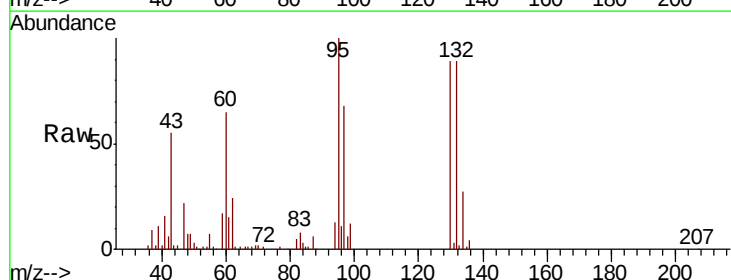
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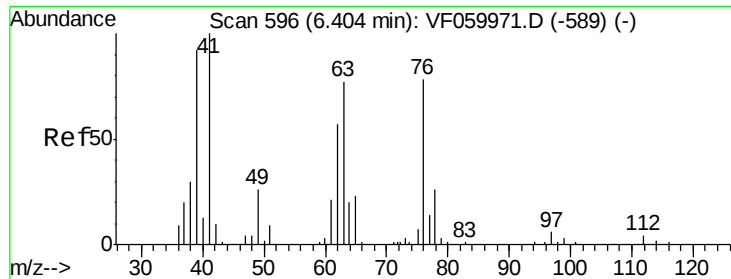
apatel
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#44
Trichloroethene
Concen: 52.00 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.3	0.0	218.4





#45

1,2-Dichloropropane

Concen: 52.36 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion: 63 Resp: 57207

Ion Ratio Lower Upper

63 100

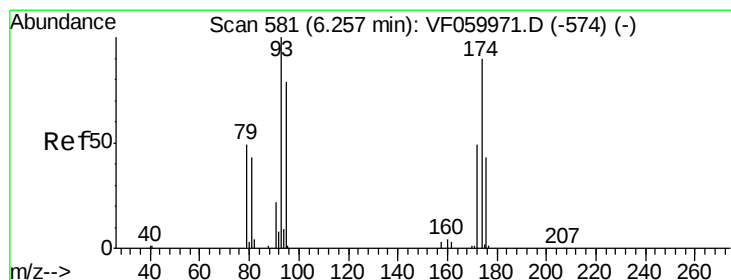
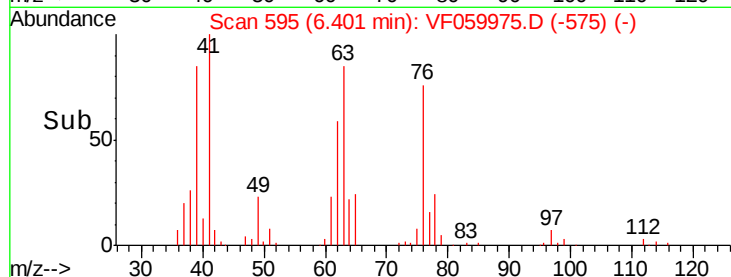
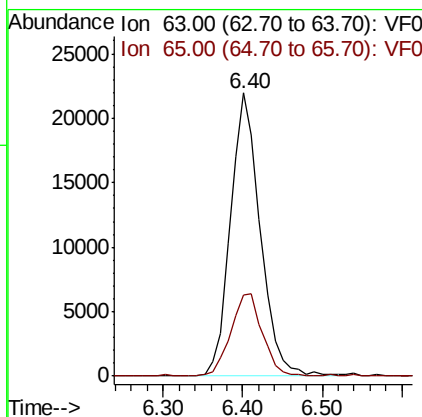
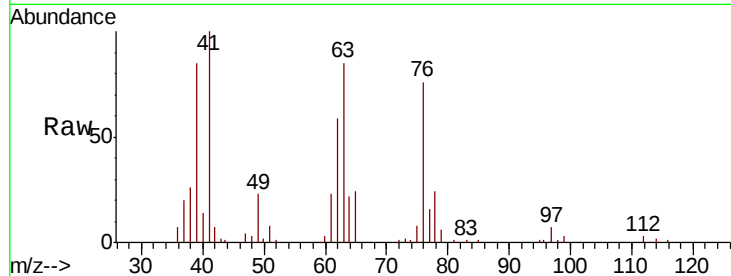
65 28.6 23.8 35.6

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#46

Dibromomethane

Concen: 50.23 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

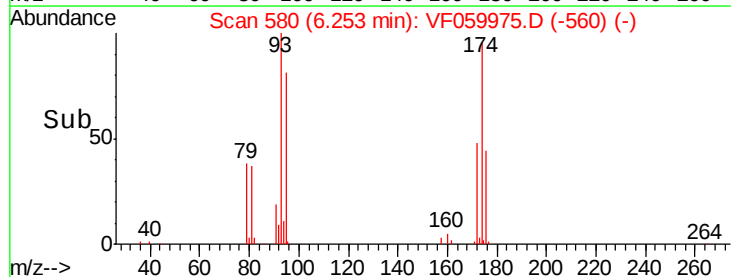
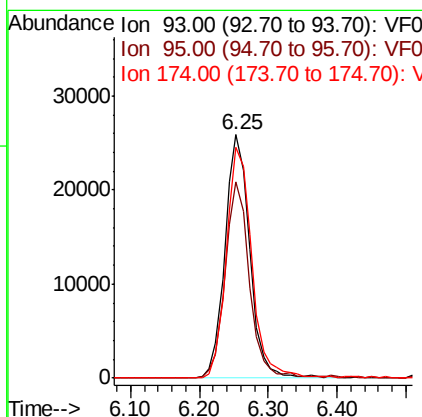
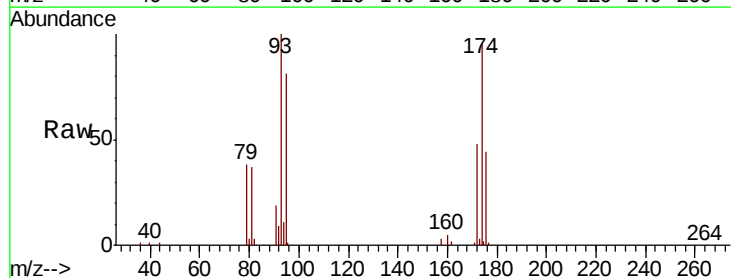
Tgt Ion: 93 Resp: 64752

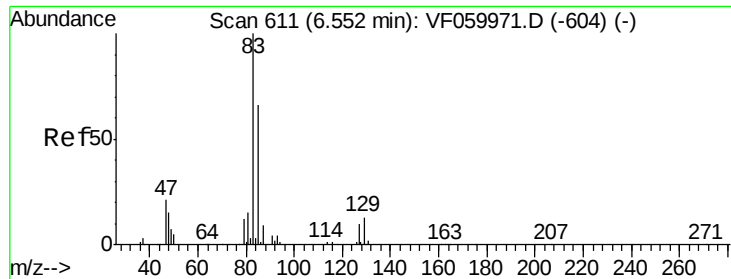
Ion Ratio Lower Upper

93 100

95 81.7 64.0 96.0

174 96.8 71.8 107.8





#47

Bromodichloromethane

Concen: 50.94 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

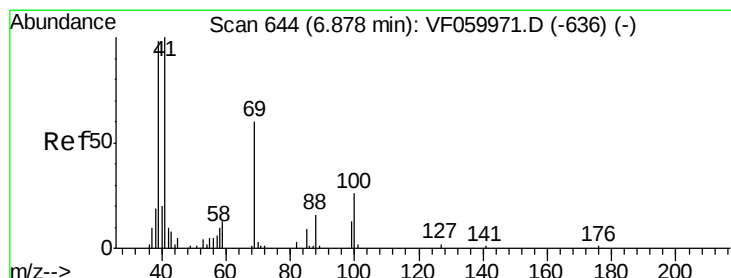
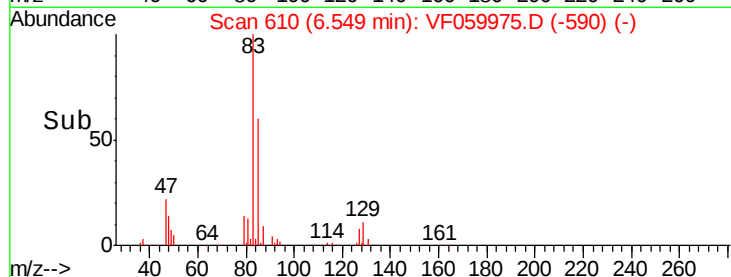
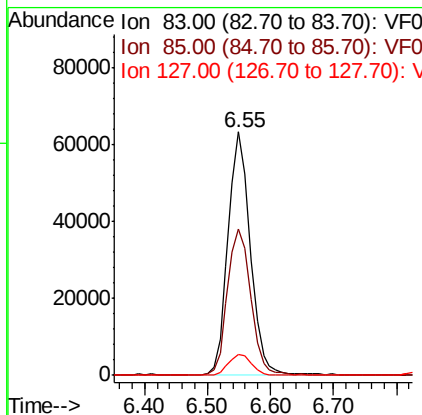
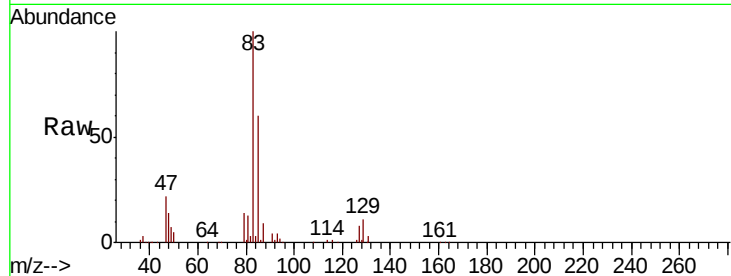
ClientSampleId :

ICVVF081618

Tot Ion:	83	Resp:	155895
Ion Ratio	Lower	Upper	
83	100		
85	60.3	53.2	79.8
127	8.5	8.4	12.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.36 ug/l

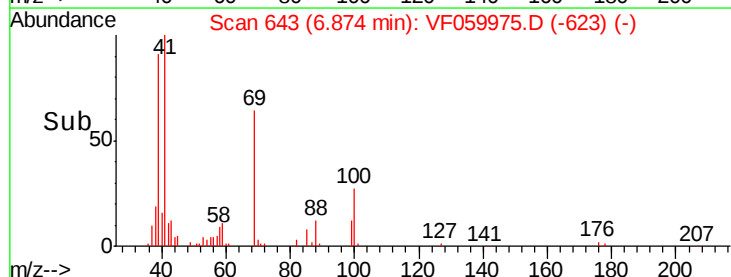
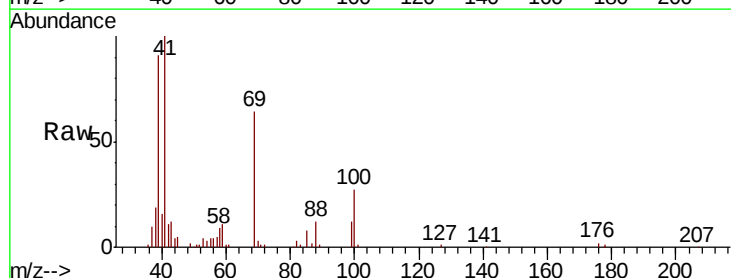
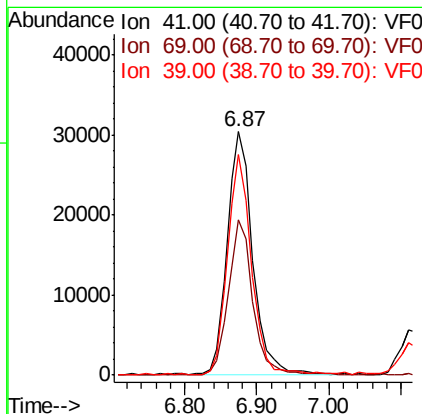
RT: 6.87 min Scan# 643

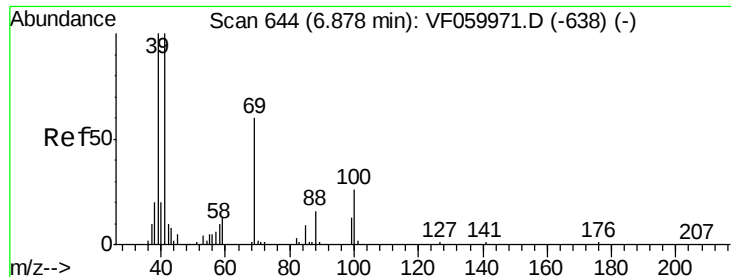
Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Tgt Ion:	41	Resp:	73661
Ion Ratio	Lower	Upper	
41	100		
69	63.7	48.1	72.1
39	90.6	79.3	118.9





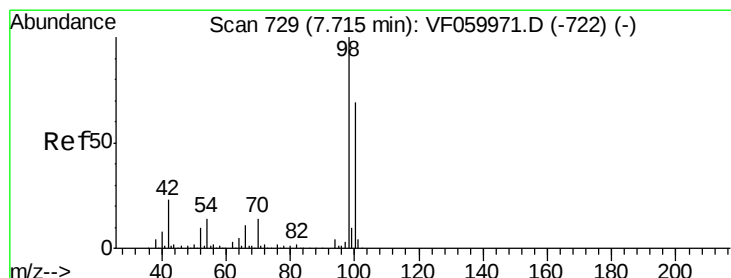
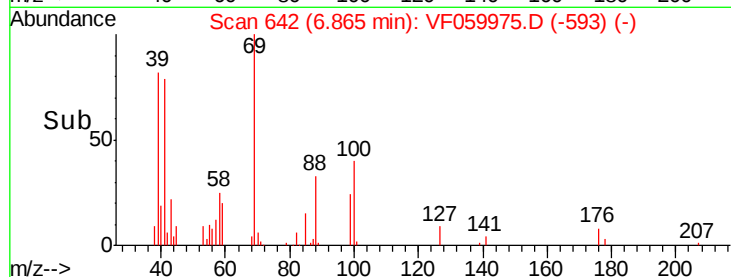
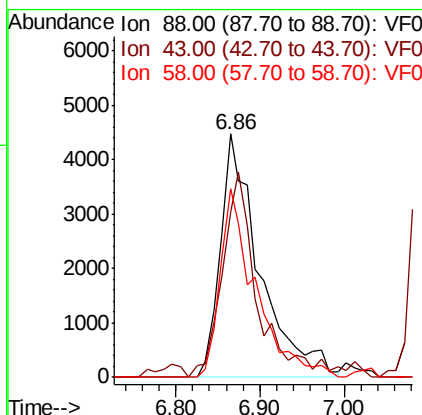
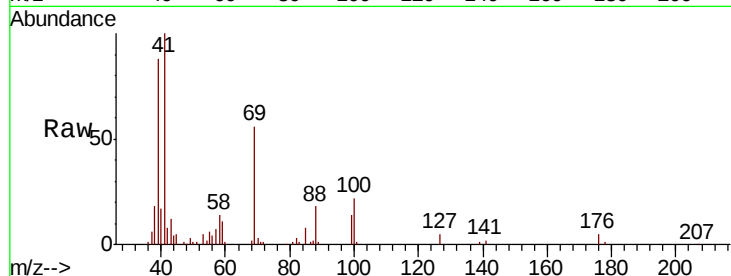
#49
1,4-Dioxane
Concen: 1144.73 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Lower	Upper
88	100		
43	68.1	45.3	67.9#
58	77.4	51.2	76.8#

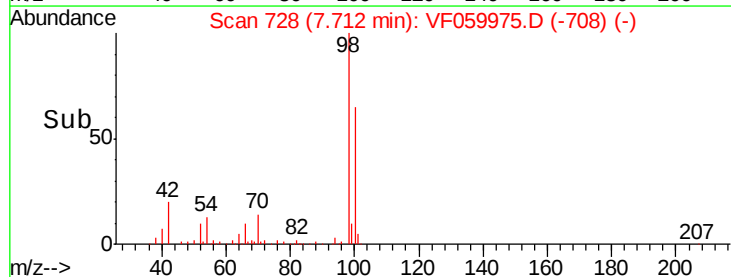
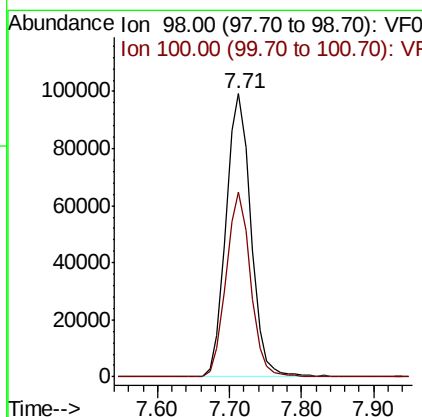
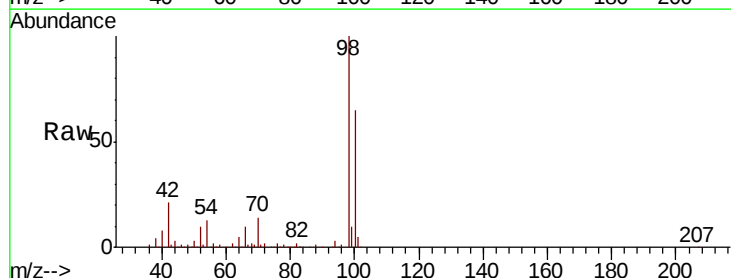
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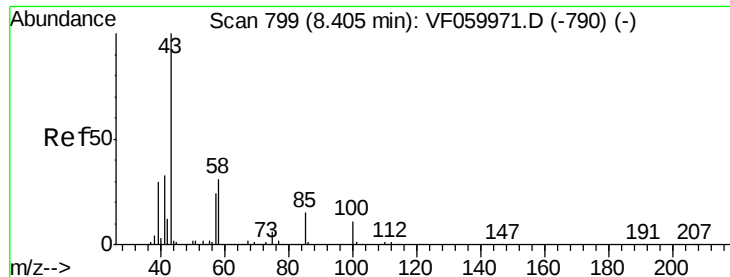
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#50
Toluene-d8
Concen: 53.05 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 263.13 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion: 43 Resp: 466885

Ion Ratio Lower Upper

43 100

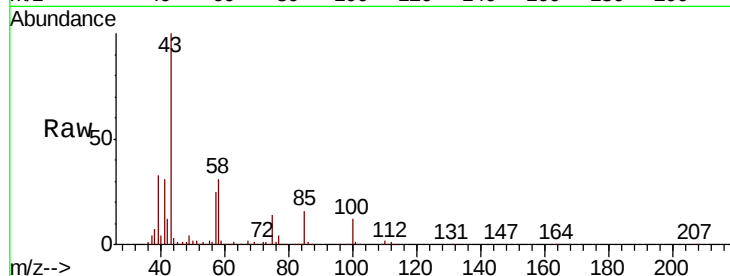
58 30.9 24.6 37.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

200000

150000

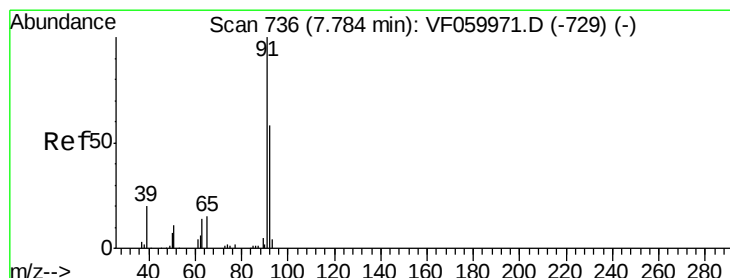
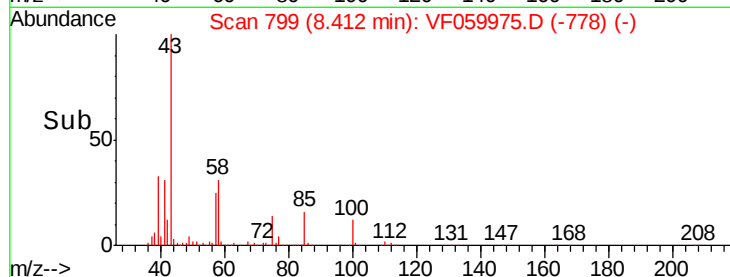
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 52.49 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059975.D

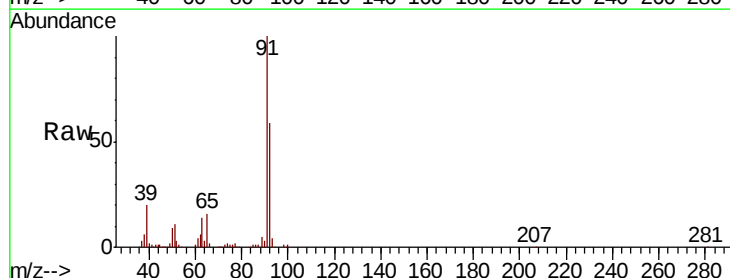
Acq: 16 Aug 2018 22:26

Tgt Ion: 92 Resp: 147878

Ion Ratio Lower Upper

92 100

91 170.8 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

120000

100000

80000

60000

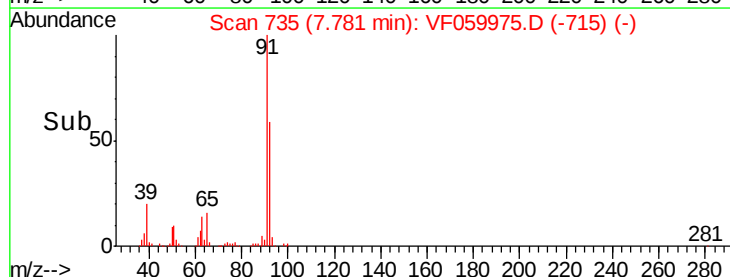
40000

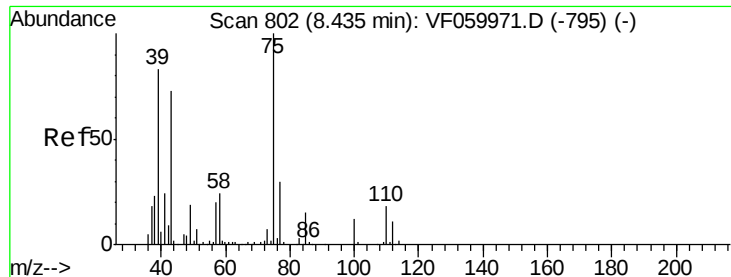
20000

0

7.70 7.80 7.90 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.56 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion: 75 Resp: 135775

Ion Ratio Lower Upper

75 100

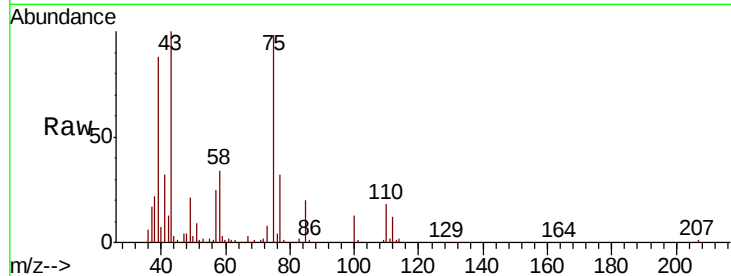
77 32.8 23.5 35.3

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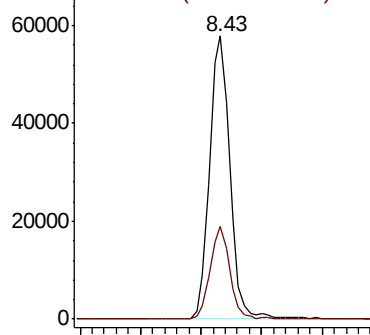
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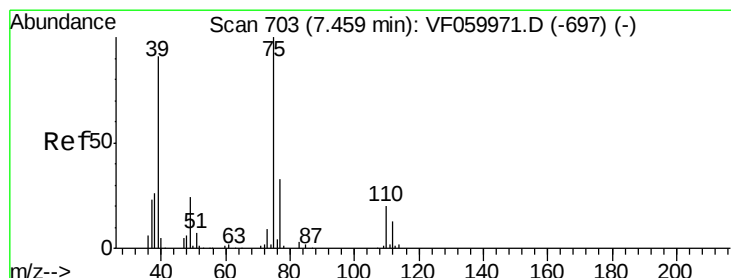
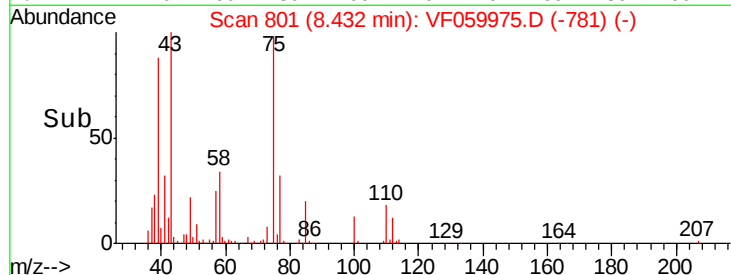


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time--> 8.20 8.30 8.40 8.50 8.60



#54

cis-1,3-Dichloropropene

Concen: 52.12 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

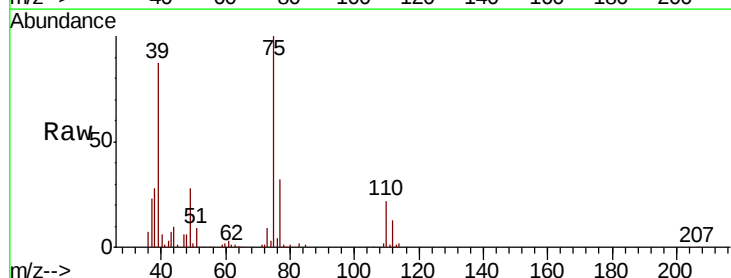
Tgt Ion: 75 Resp: 129911

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.4

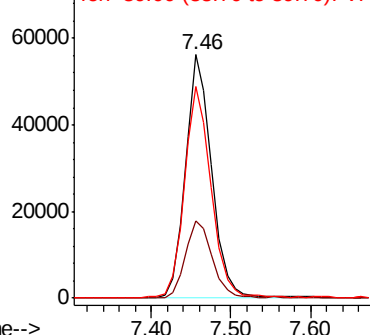
39 87.0 73.2 109.8



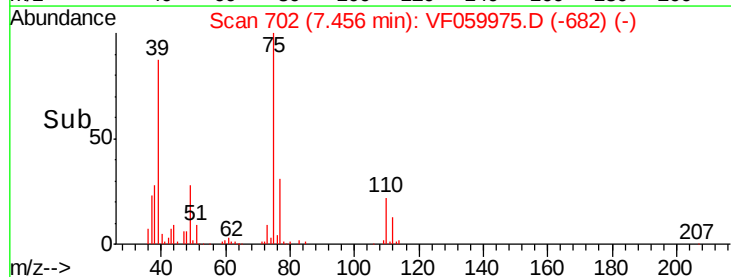
Abundance Ion 75.00 (74.70 to 75.70): VF0

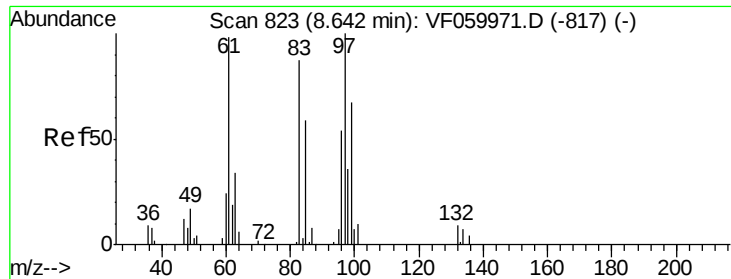
Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time--> 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 52.40 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

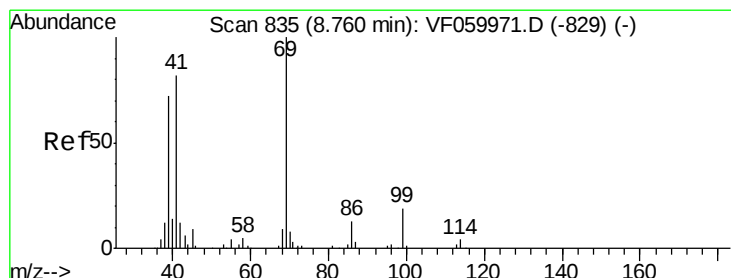
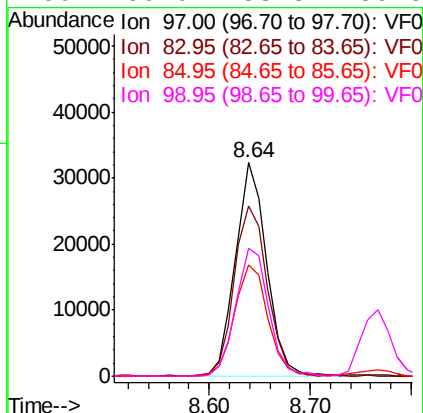
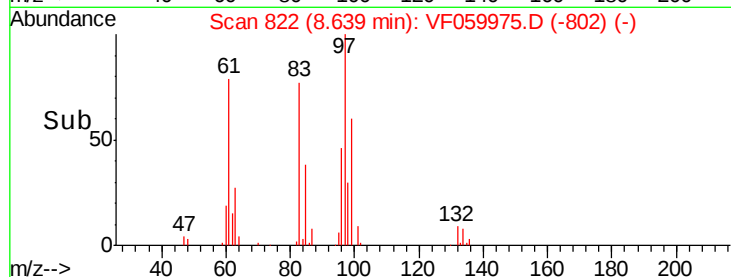
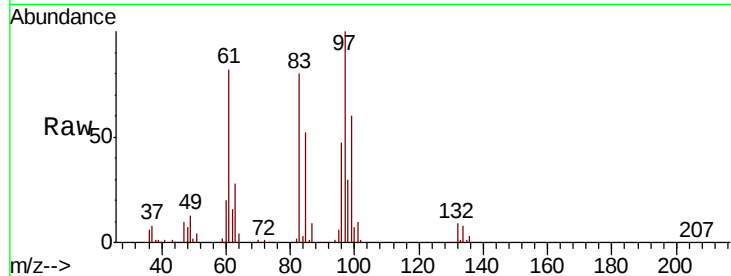
ClientSampleId :

ICVVF081618

Tot Ion:	97	Resp:	69805
Ion	Ratio	Lower	Upper
97	100		
83	79.5	69.7	104.5
85	51.9	47.4	71.2
99	60.0	53.8	80.6

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#56

Ethyl methacrylate

Concen: 58.90 ug/l

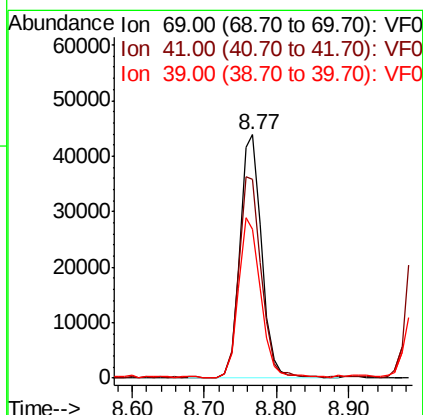
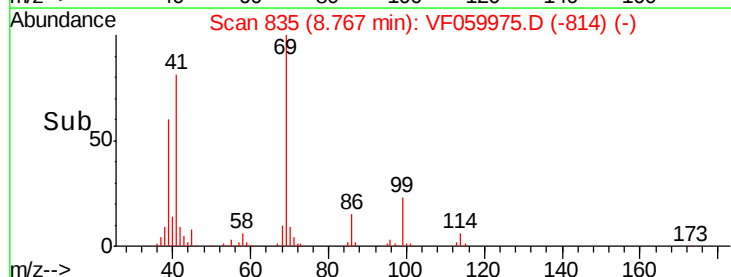
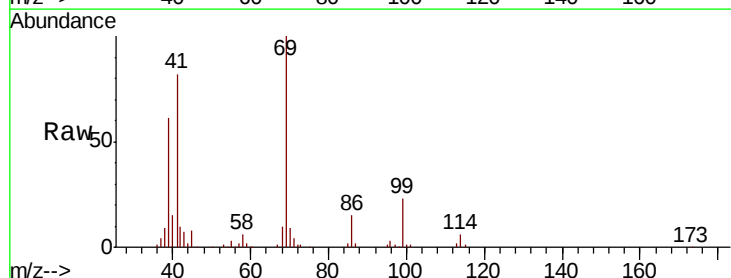
RT: 8.77 min Scan# 835

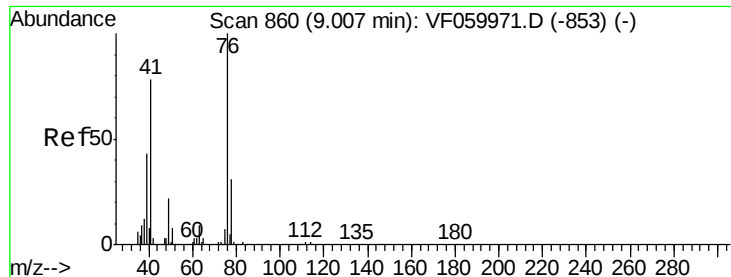
Delta R.T. 0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Tgt Ion:	69	Resp:	92642
Ion	Ratio	Lower	Upper
69	100		
41	81.7	65.6	98.4
39	60.9	58.1	87.1





#57

1,3-Dichloropropane

Concen: 50.68 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion: 76 Resp: 120087

Ion Ratio Lower Upper

76 100

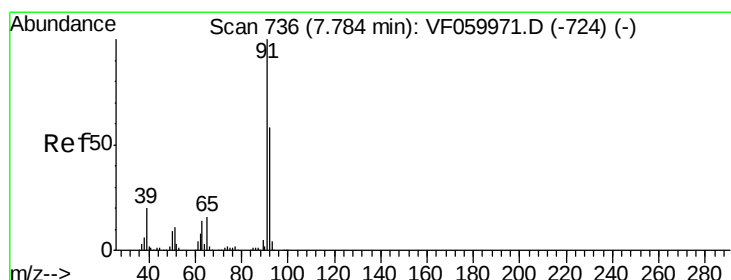
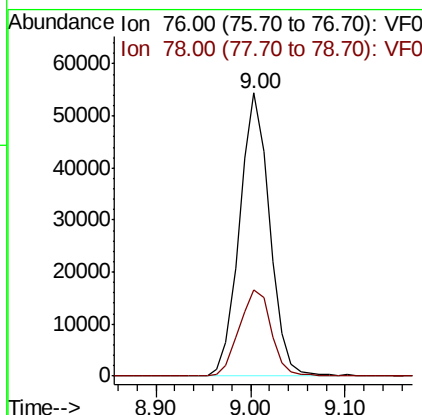
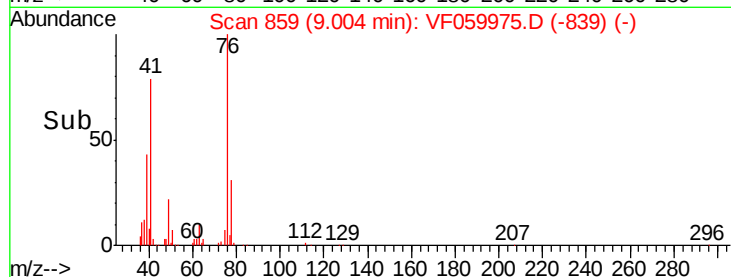
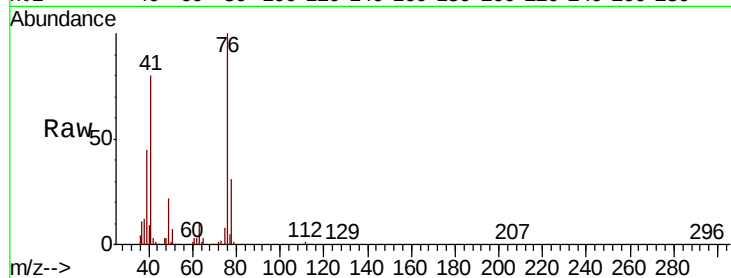
78 30.6 24.7 37.1

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#58

2-Chloroethyl Vinyl ether

Concen: 241.54 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059975.D

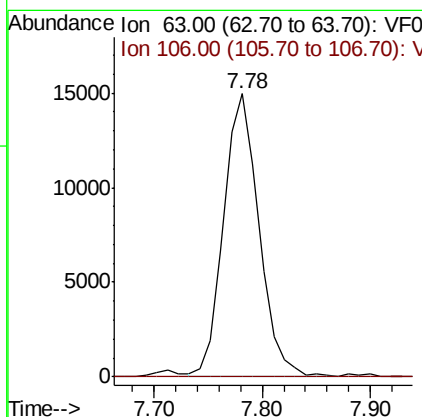
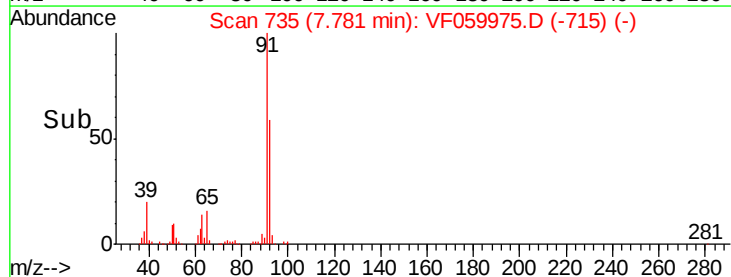
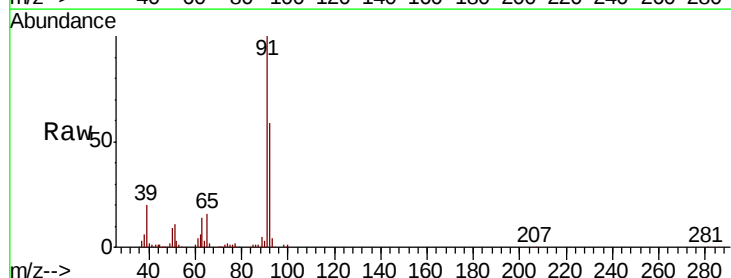
Acq: 16 Aug 2018 22:26

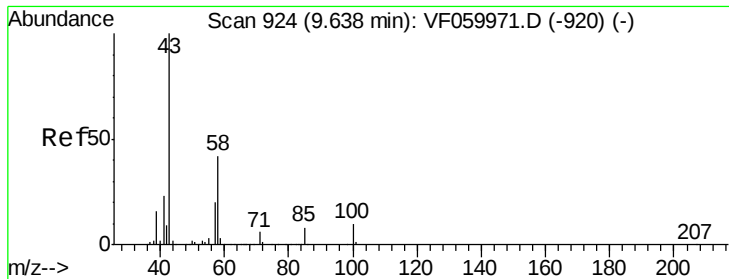
Tgt Ion: 63 Resp: 34062

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





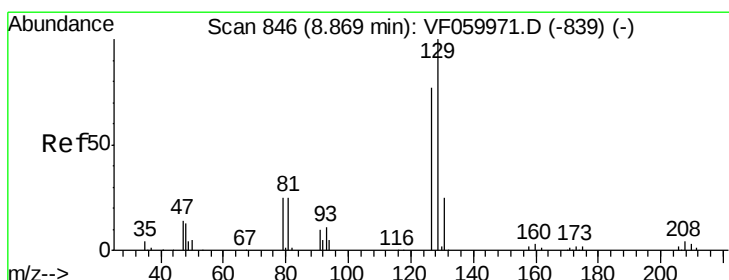
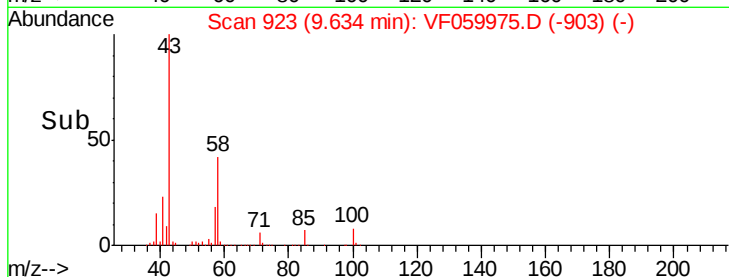
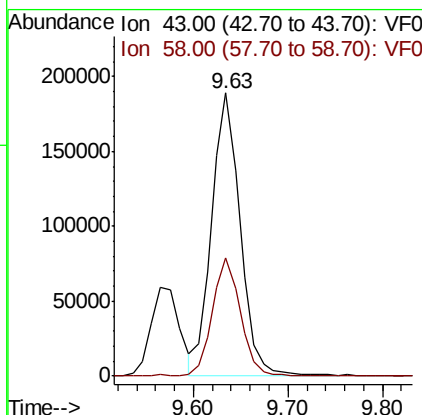
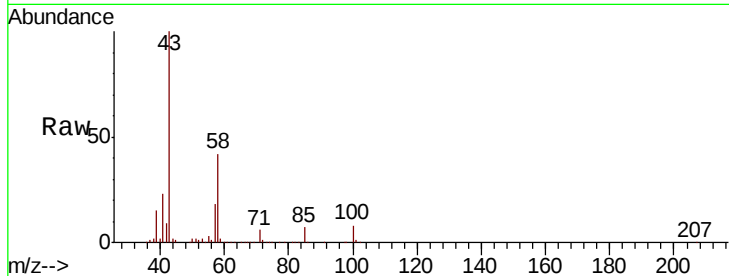
#59
2-Hexanone
Concen: 274.14 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.9	19.8	59.3

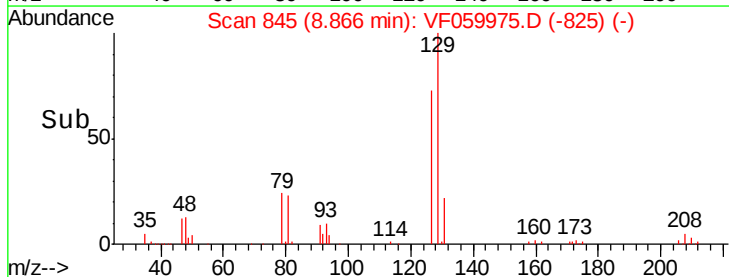
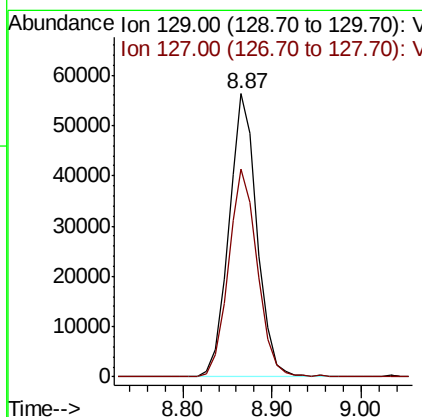
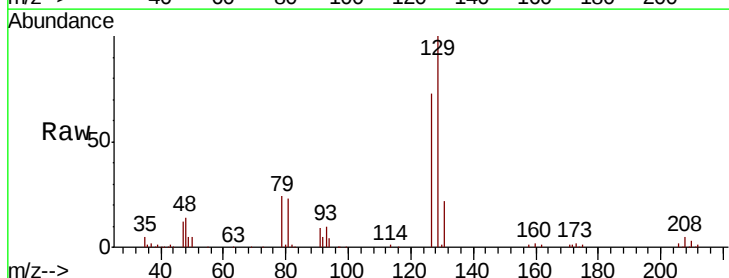
Manual Integrations
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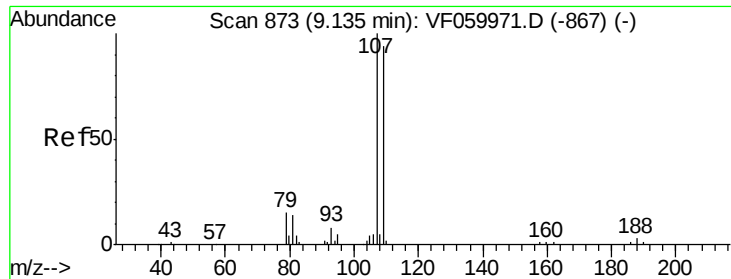
apatel
8/17/2018 11:24:37 AM



#60
Dibromochloromethane
Concen: 53.73 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.4	38.4	115.2





#61

1,2-Dibromoethane

Concen: 49.72 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion:107 Resp: 86666

Ion Ratio Lower Upper

107 100

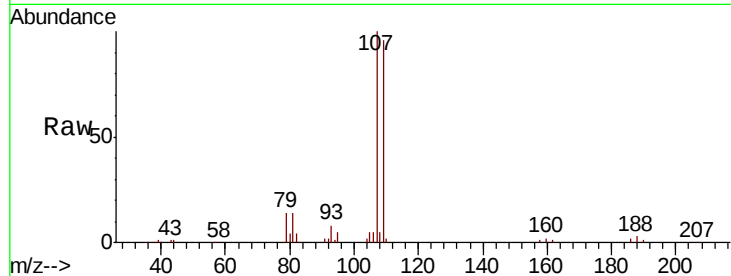
109 96.4 75.4 113.0

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

40000

30000

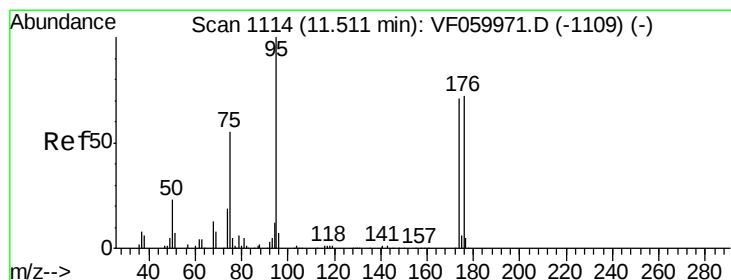
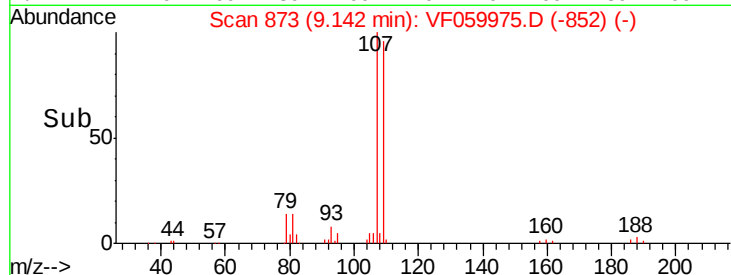
20000

10000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 47.37 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

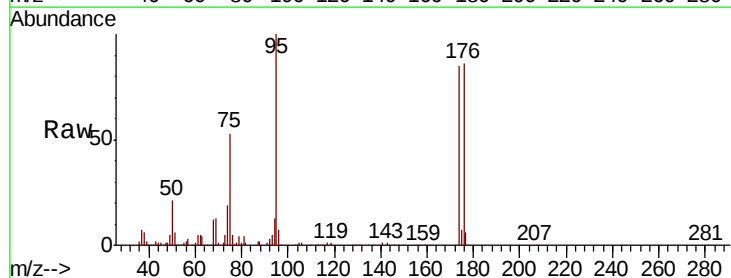
Tgt Ion: 95 Resp: 137901

Ion Ratio Lower Upper

95 100

174 84.9 0.0 142.8

176 86.1 0.0 143.4



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

100000

80000

60000

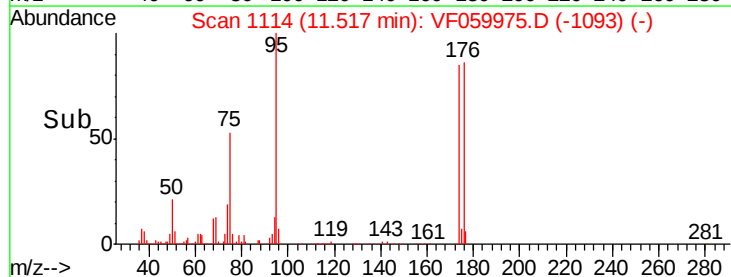
40000

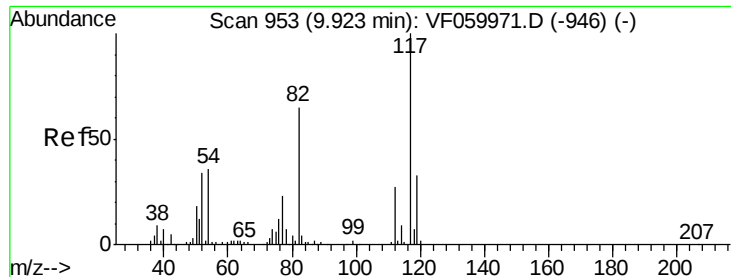
20000

0

11.40 11.50 11.60 11.70

Time-->





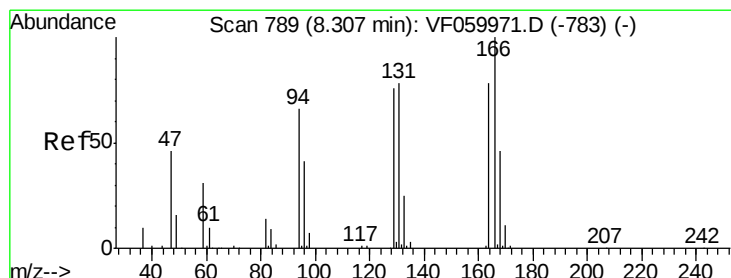
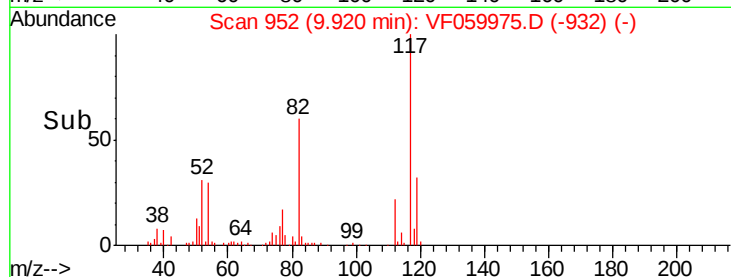
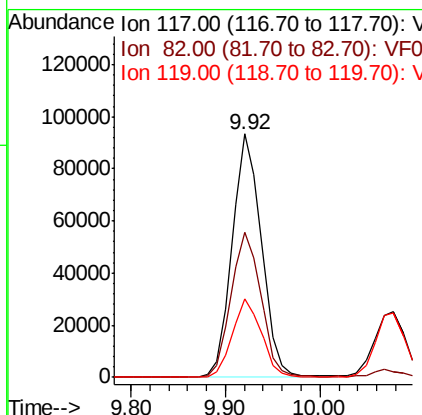
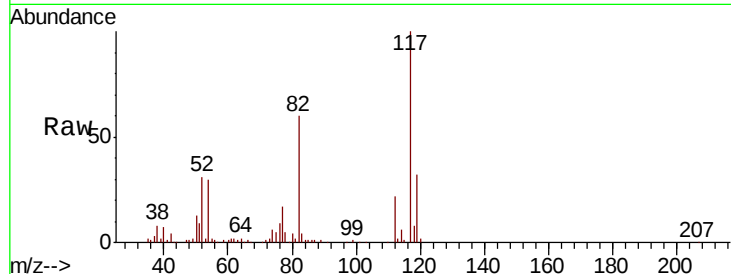
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Resp	Lower	Upper
117	100	201478		
82	59.8		52.0	78.0
119	32.0		26.6	39.8

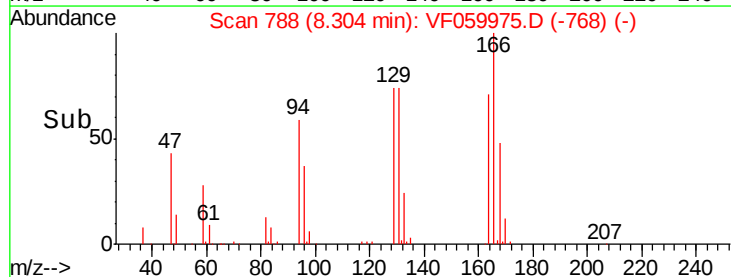
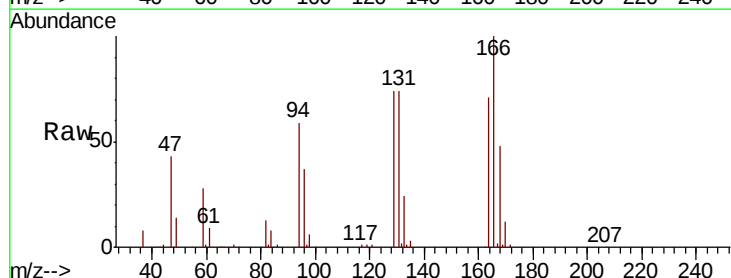
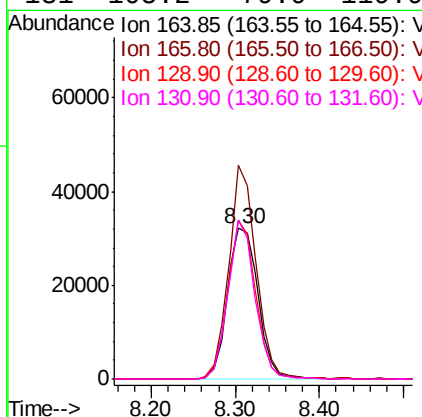
Manual Integrations
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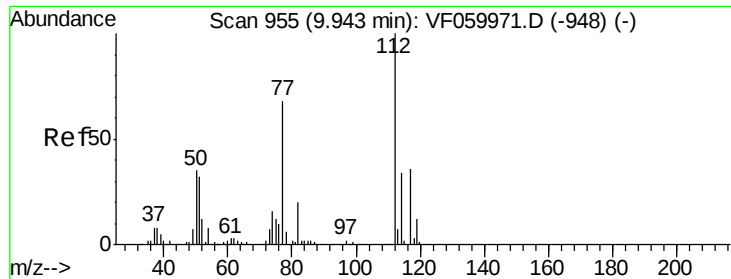
apatel
8/17/2018 11:24:37 AM



#64
Tetrachloroethene
Concen: 50.47 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80798		
166	141.5		102.2	153.2
129	105.2		77.8	116.6
131	105.2		79.9	119.9





#65

Chlorobenzene

Concen: 52.13 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion:112 Resp: 206644

Ion Ratio Lower Upper

112 100

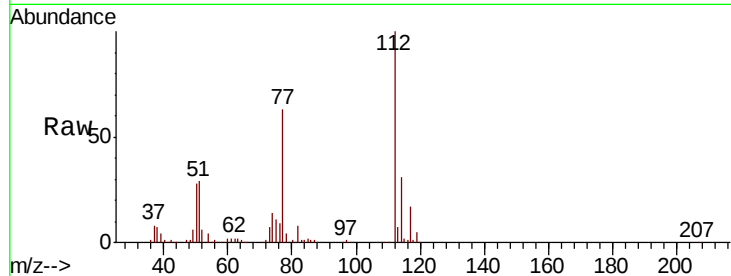
114 31.3 27.0 40.4

Manual Integrations

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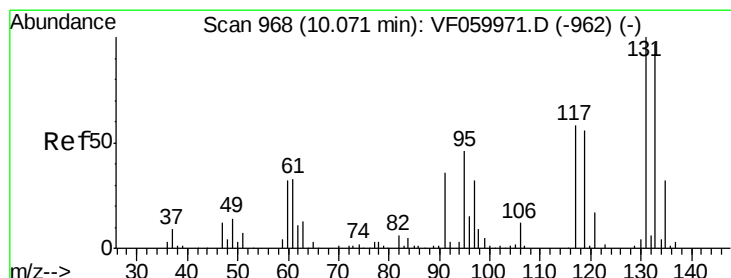
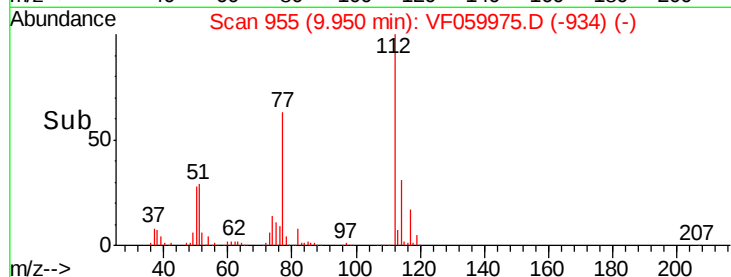
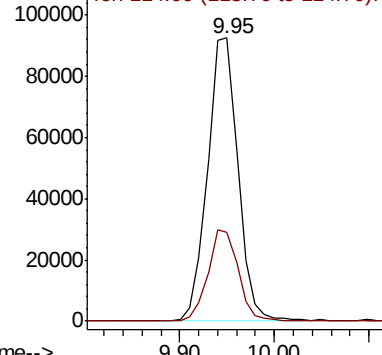
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.89 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

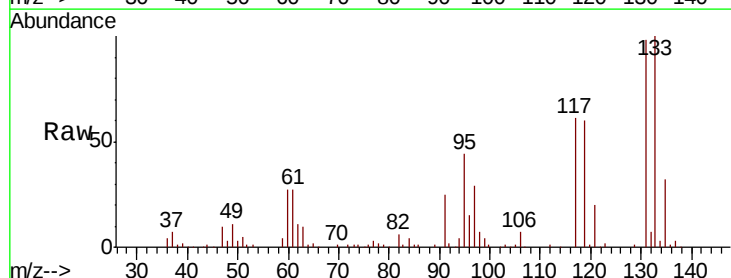
Tgt Ion:131 Resp: 94361

Ion Ratio Lower Upper

131 100

133 102.0 48.5 145.6

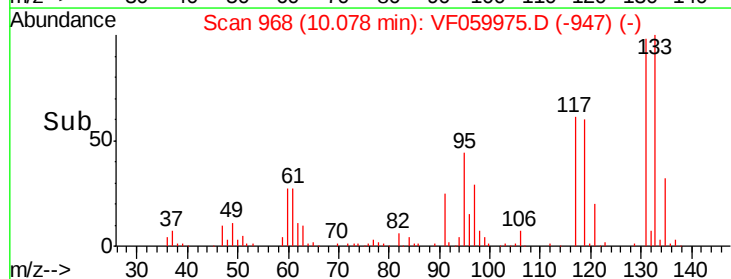
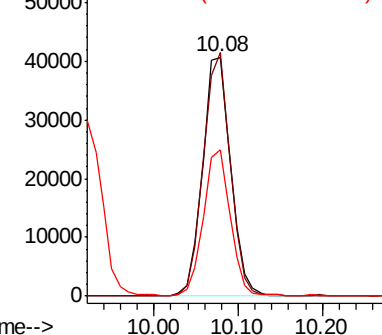
119 61.2 28.4 85.2

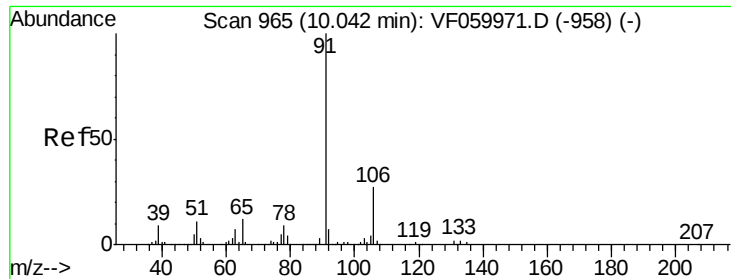


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





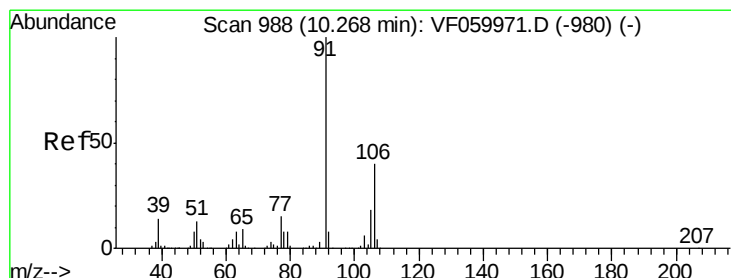
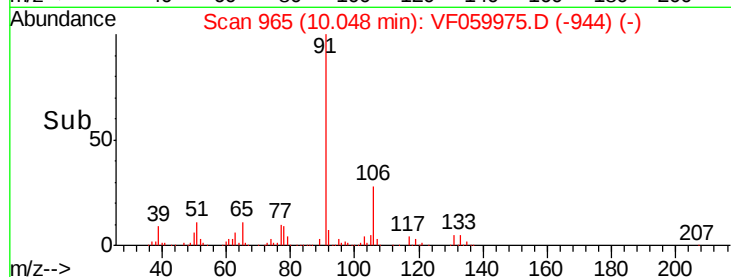
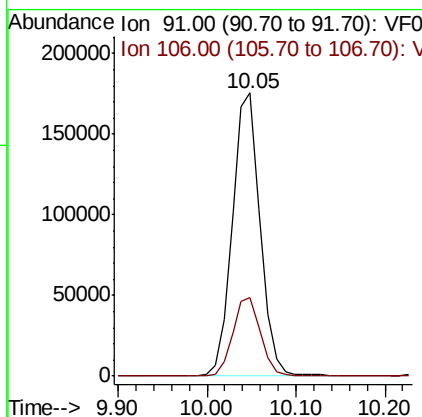
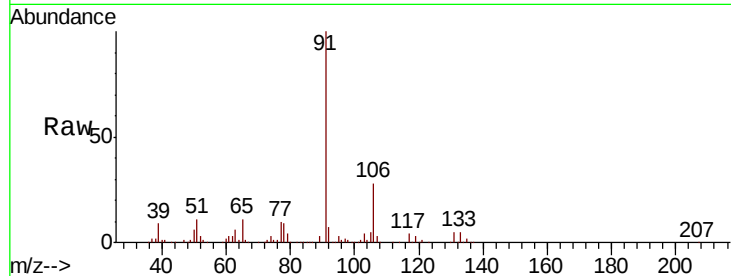
#67
Ethyl Benzene
Concen: 54.37 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Resp	Lower	Upper
91	100	383161		
106	27.8	21.8	32.8	

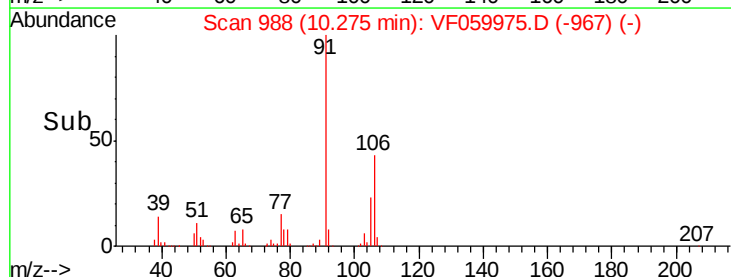
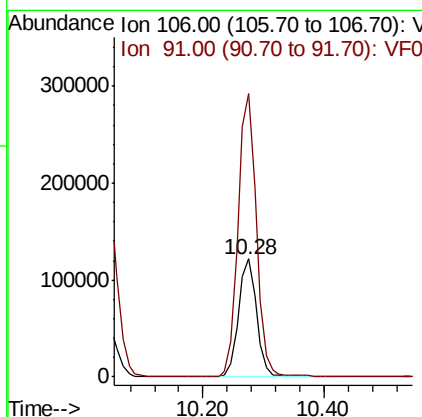
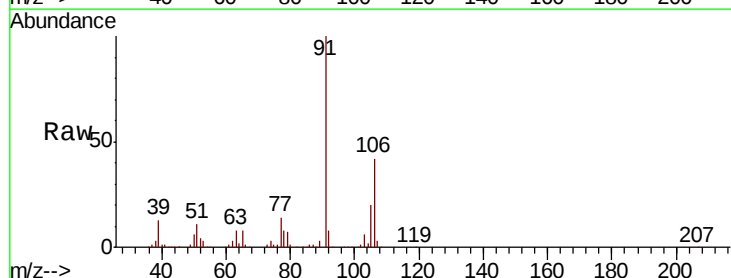
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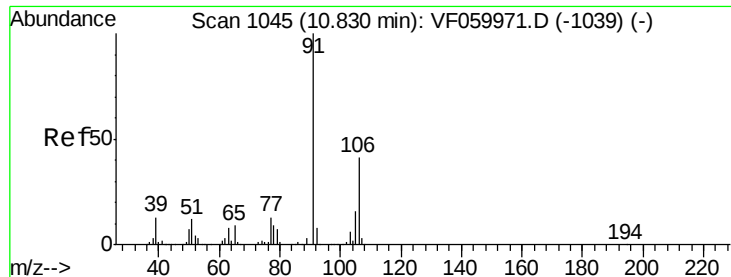
apatel
8/17/2018 11:24:37 AM



#68
m/p-Xylenes
Concen: 104.56 ug/l
RT: 10.28 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	253590		
91	240.5	198.0	297.0	





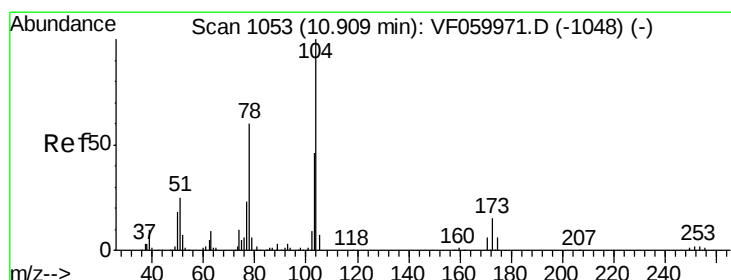
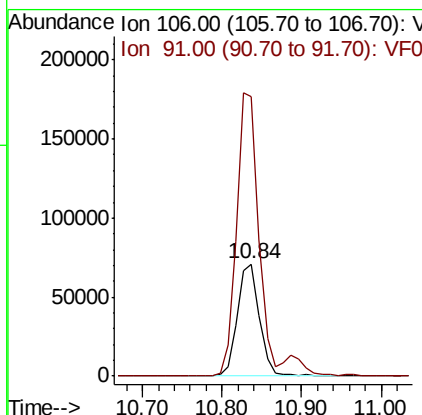
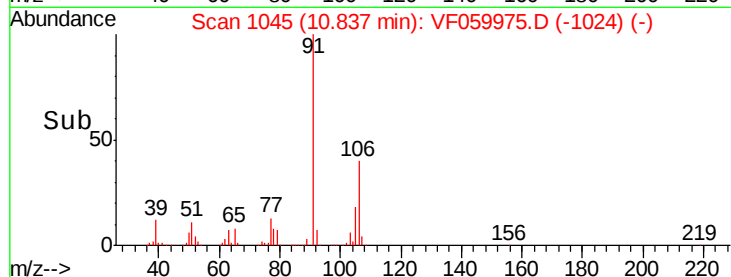
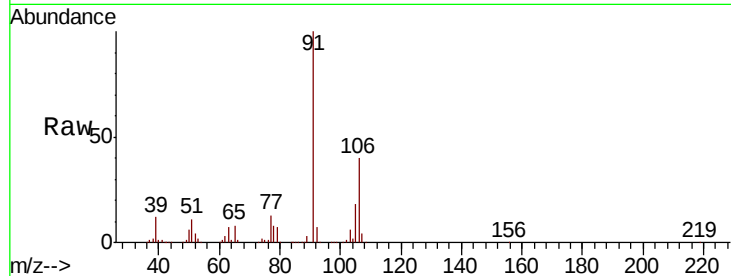
#69
o-Xylene
Concen: 53.95 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	248.7	121.9	365.7	

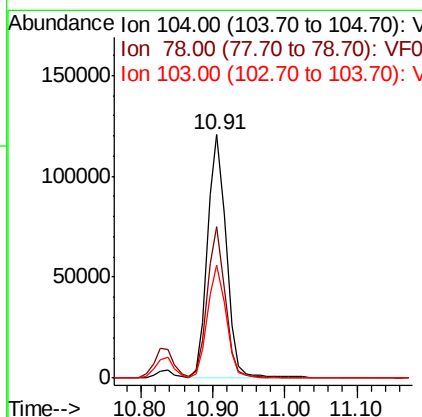
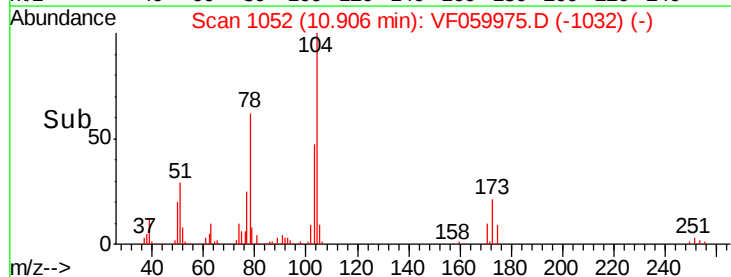
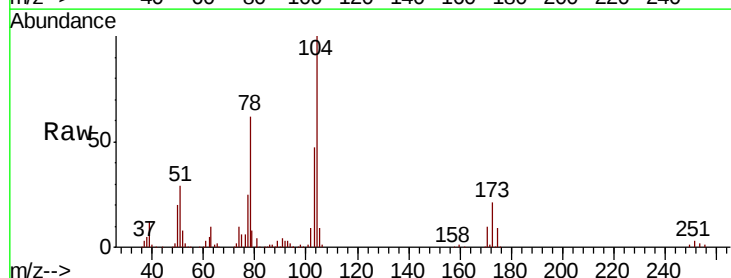
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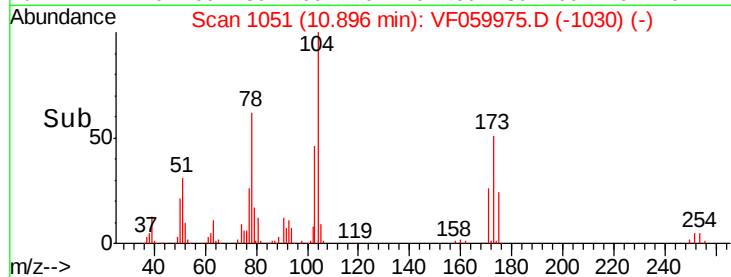
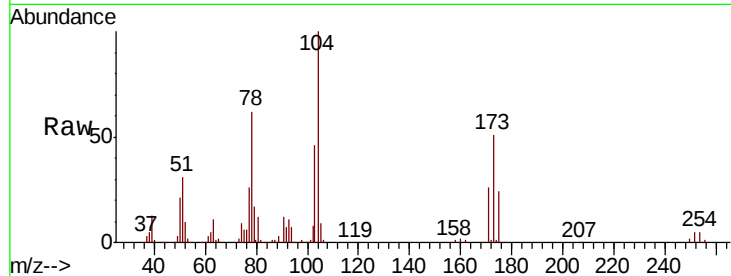
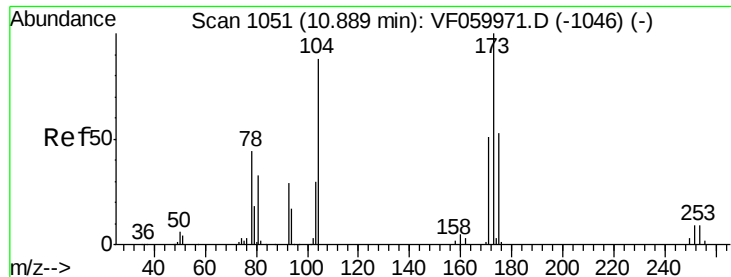
apatel
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#70
Styrene
Concen: 52.09 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	62.2	49.0	73.4	
103	46.6	37.5	56.3	





#71

Bromoform

Concen: 54.46 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	47.9	26.3	78.8		
254	0.0	0.0	0.0		

Instrument :

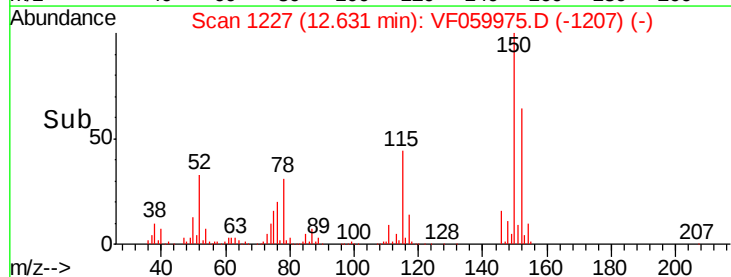
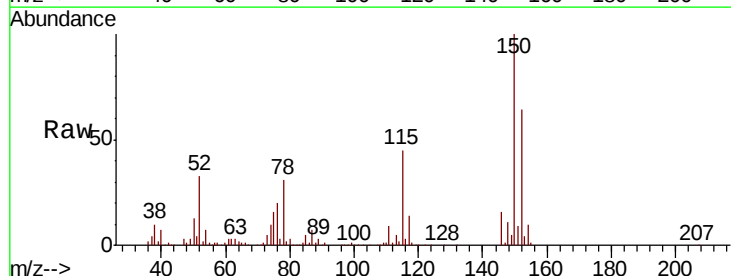
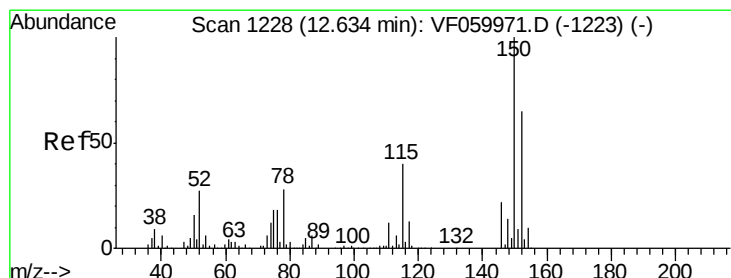
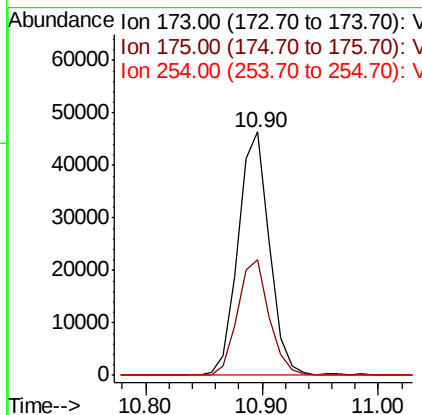
MSVOA_F

ClientSampleId :

ICVVF081618

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

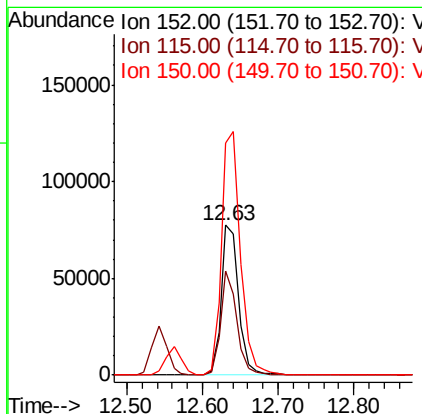
RT: 12.63 min Scan# 1227

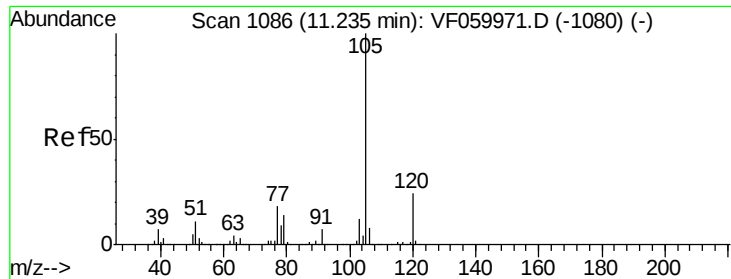
Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	69.2	30.6	92.0		
150	155.2	0.0	308.2		





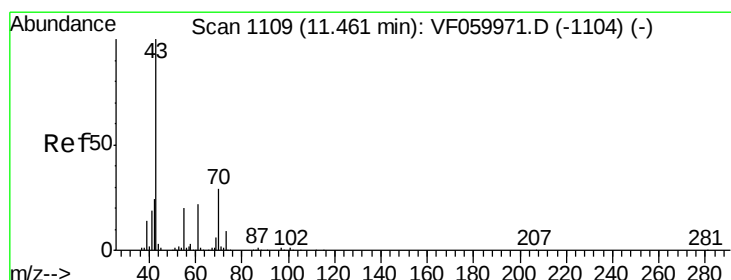
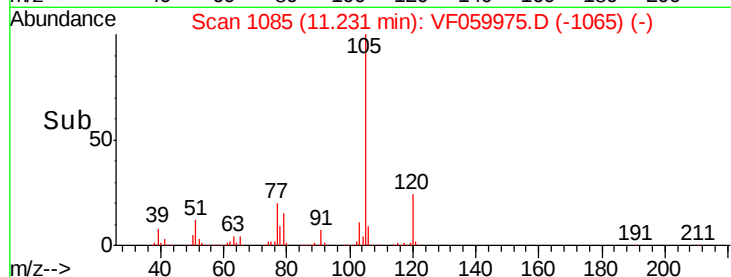
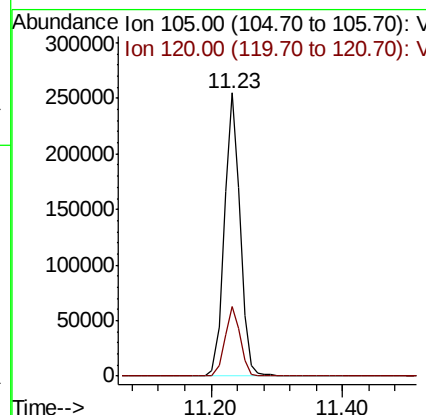
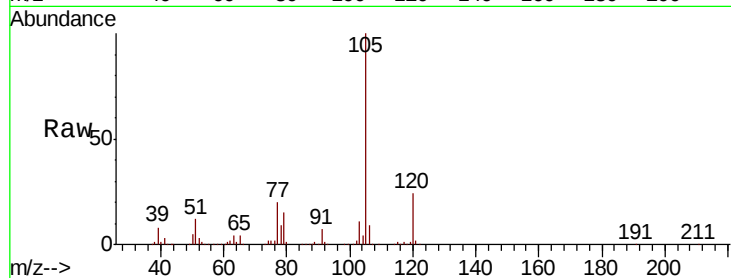
#73
Isopropylbenzene
Concen: 59.26 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.4	11.9	35.5

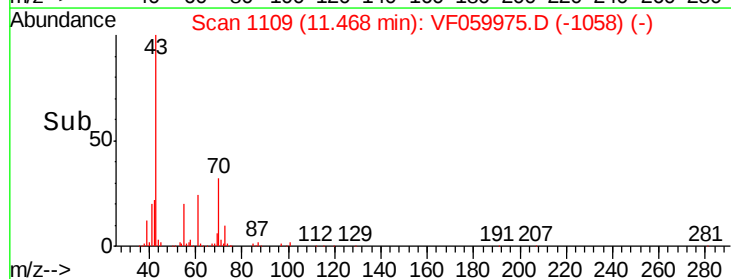
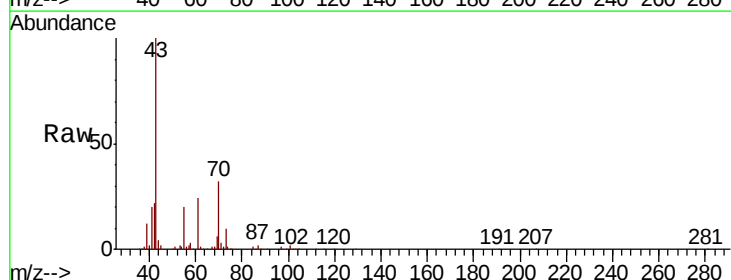
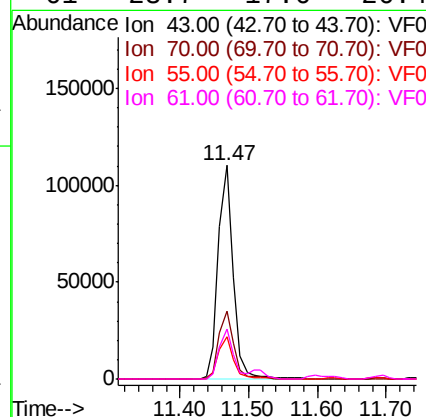
Manual Integrations
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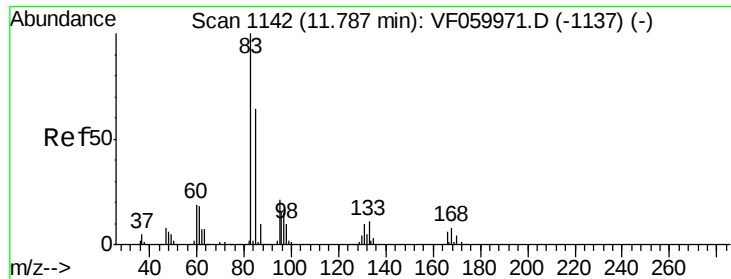
apatel
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#74
N-ethyl acetate
Concen: 67.36 ug/l
RT: 11.47 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	31.7	23.2	34.8
55	19.8	15.8	23.8
61	23.7	17.6	26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 60.35 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

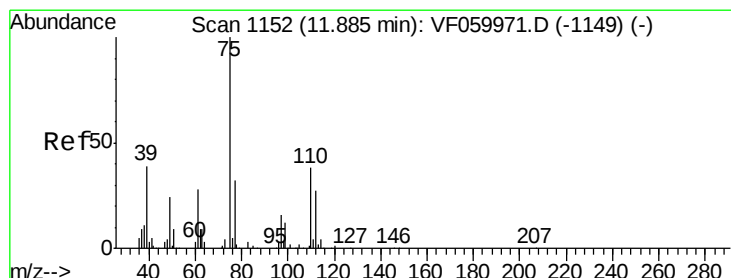
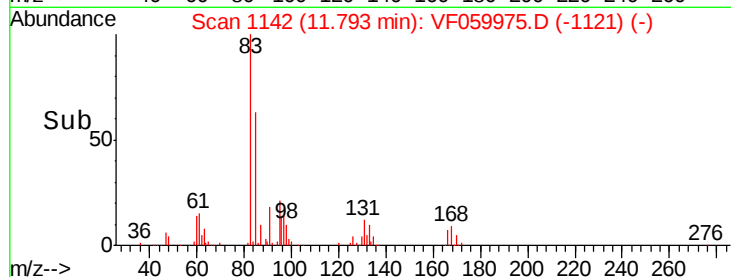
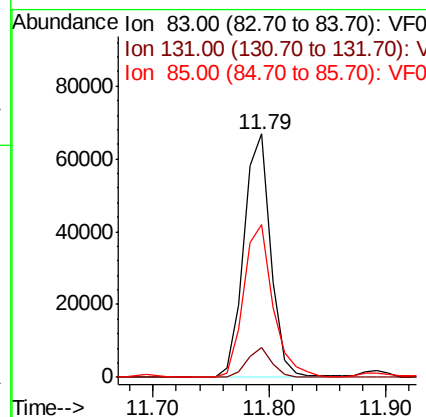
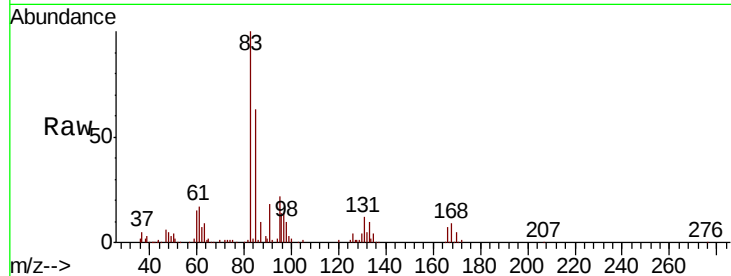
ClientSampleId :

ICVVF081618

Tot Ion:	83	Resp:	106842
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.1	15.4
85	62.9	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 57.10 ug/l

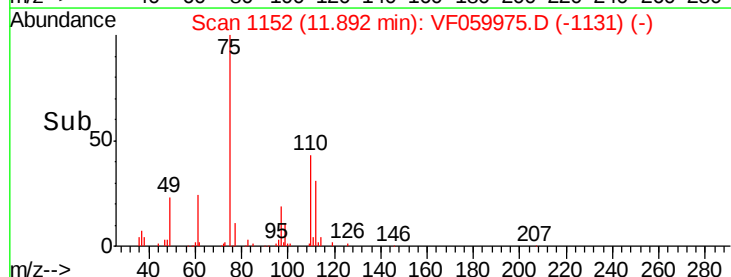
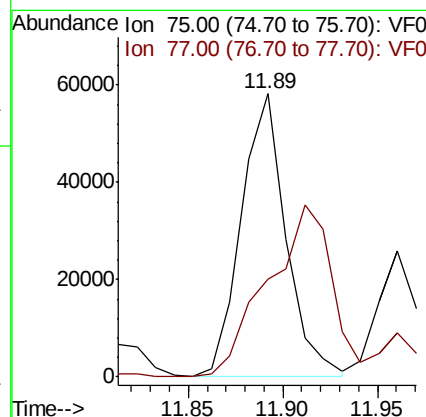
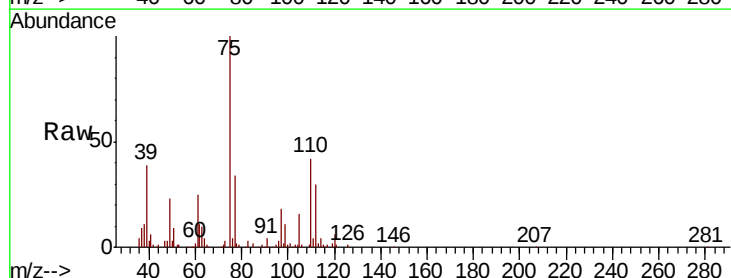
RT: 11.89 min Scan# 1152

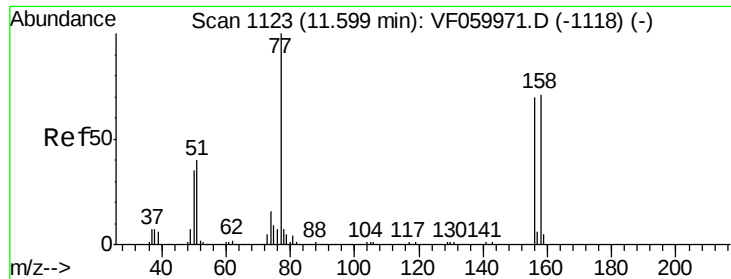
Delta R.T. 0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Tgt Ion:	75	Resp:	94624
Ion Ratio	Lower	Upper	
75	100		
77	34.4	16.2	48.5





#77

Bromobenzene

Concen: 57.36 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

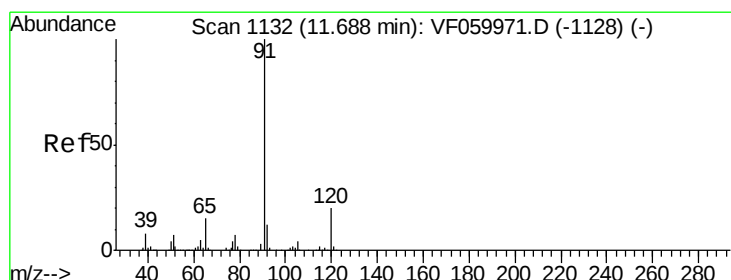
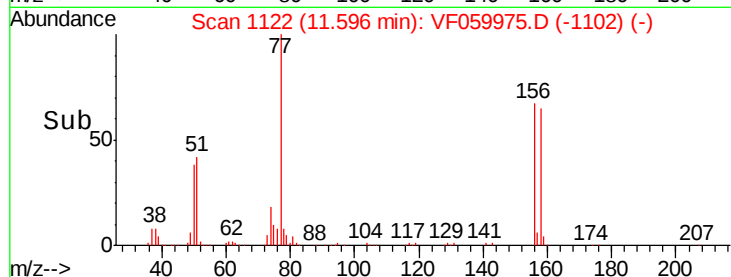
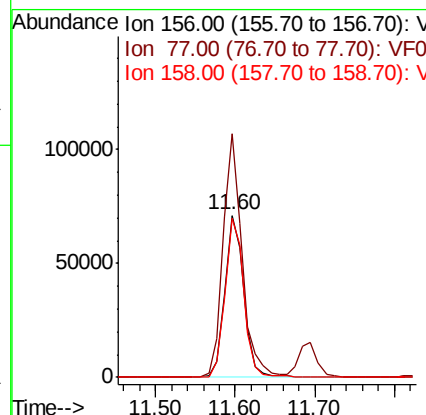
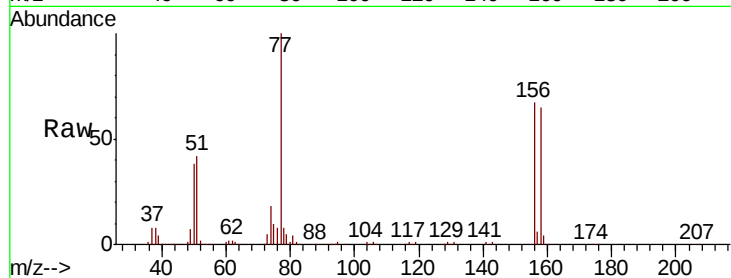
ClientSampleId :

ICVVF081618

Tot Ion:	156	Resp:	119681
Ion Ratio	Lower	Upper	
156	100		
77	150.3	71.9	215.6
158	98.3	51.2	153.6

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#78

n-propylbenzene

Concen: 57.77 ug/l

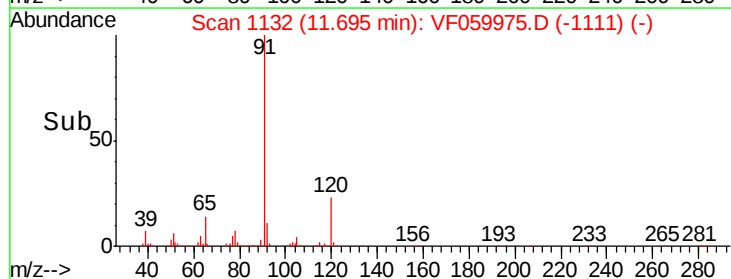
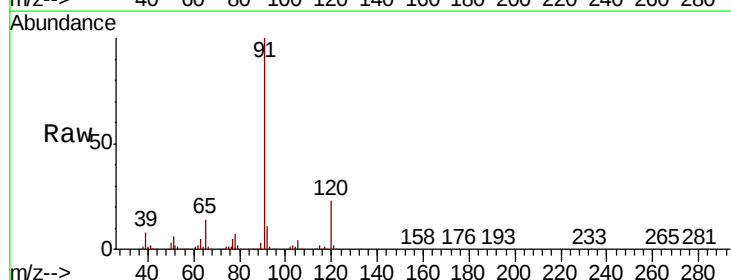
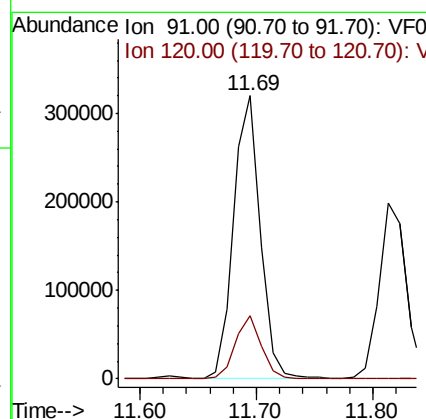
RT: 11.69 min Scan# 1132

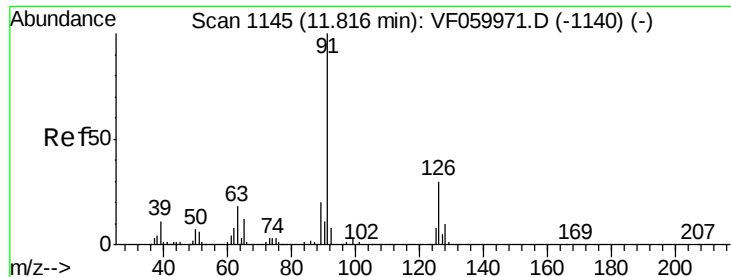
Delta R.T. 0.01 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Tgt Ion:	91	Resp:	507551
Ion Ratio	Lower	Upper	
91	100		
120	22.5	10.2	30.6





#79

2-Chlorotoluene

Concen: 58.25 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081618

Tot Ion: 91 Resp: 318001

Ion Ratio Lower Upper

91 100

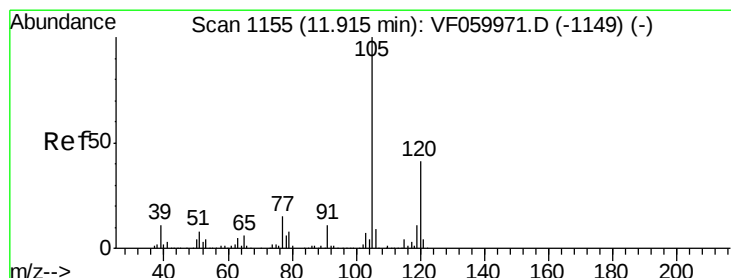
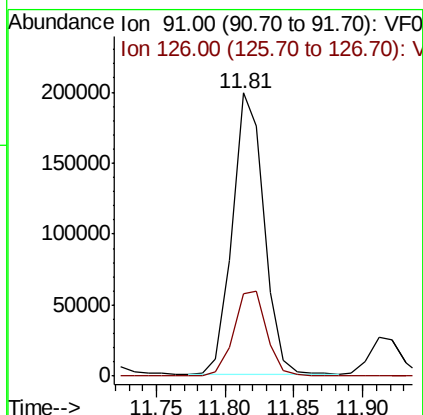
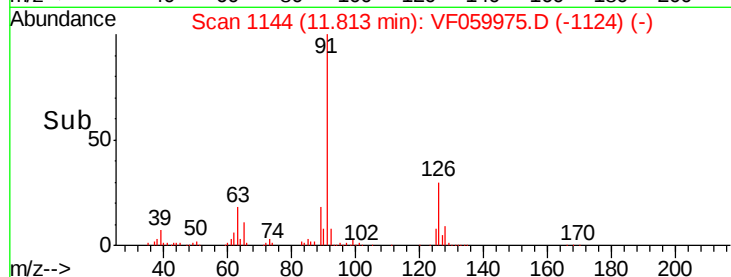
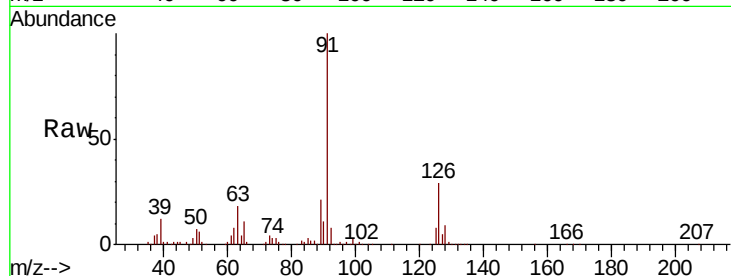
126 29.3 14.9 44.9

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#80

1,3,5-Trimethylbenzene

Concen: 58.02 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059975.D

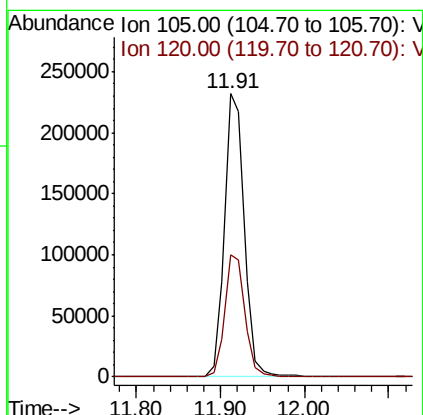
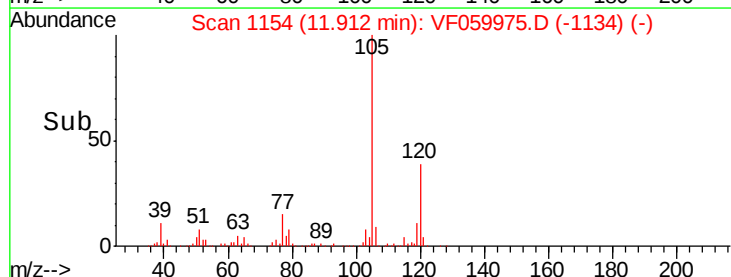
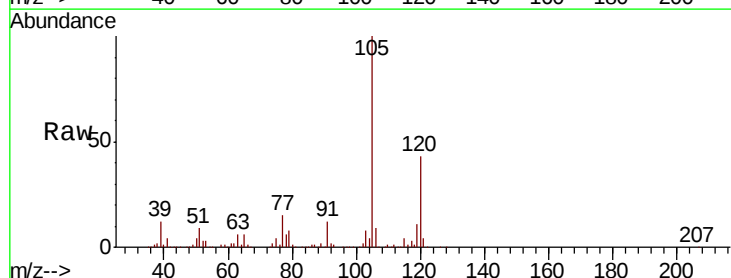
Acq: 16 Aug 2018 22:26

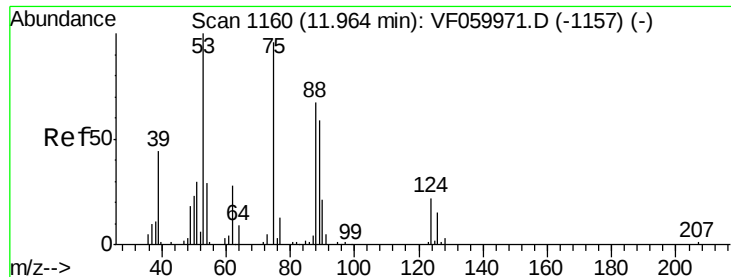
Tgt Ion: 105 Resp: 379429

Ion Ratio Lower Upper

105 100

120 42.9 20.6 61.8





#81

trans-1,4-Dichloro-2-butene

Concen: 59.76 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Instrument :

MSVOA_F

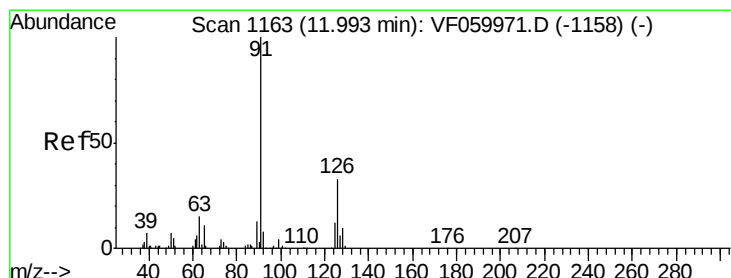
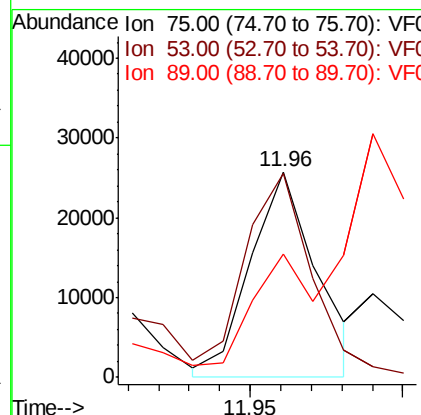
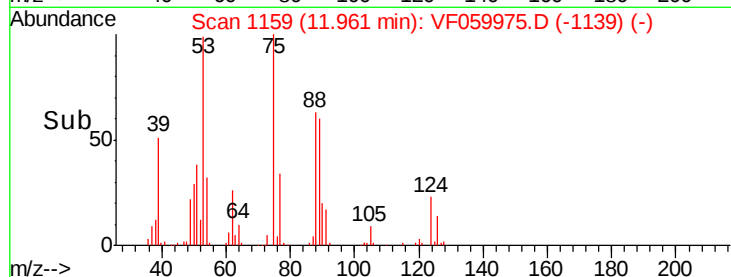
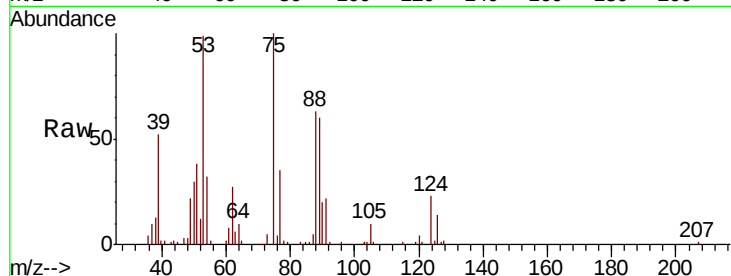
ClientSampleId :

ICVVF081618

Tot Ion:	75	Resp:	38775
Ion	Ratio	Lower	Upper
75	100		
53	99.4	85.1	127.7
89	59.8	50.2	75.4

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#82

4-Chlorotoluene

Concen: 56.76 ug/l

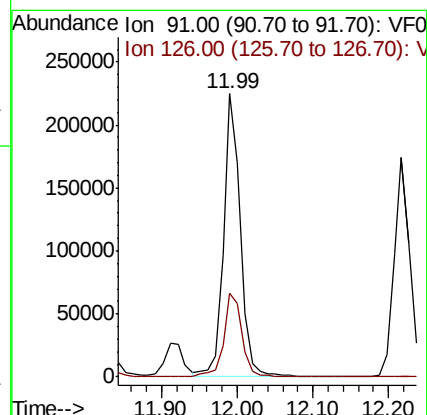
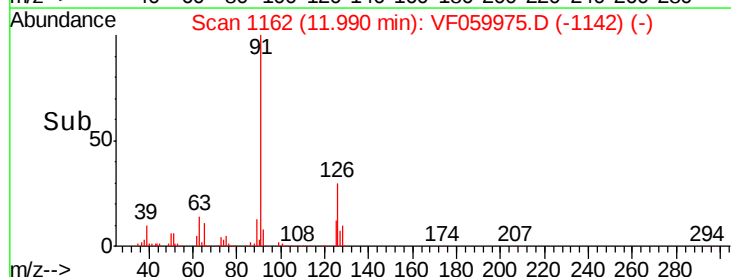
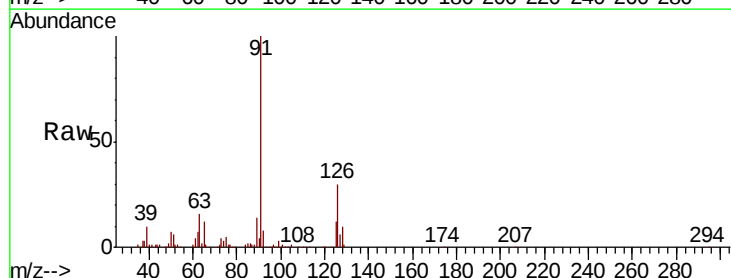
RT: 11.99 min Scan# 1162

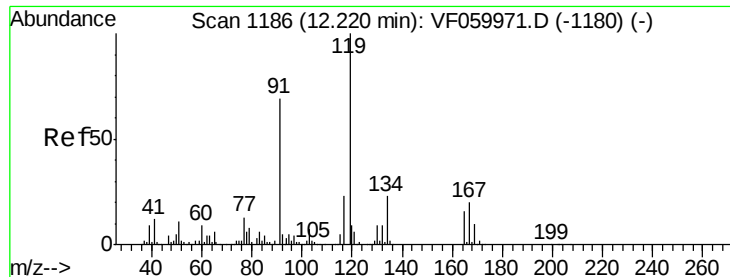
Delta R.T. -0.00 min

Lab File: VF059975.D

Acq: 16 Aug 2018 22:26

Tgt Ion:	91	Resp:	348245
Ion	Ratio	Lower	Upper
91	100		
126	29.5	16.4	49.2





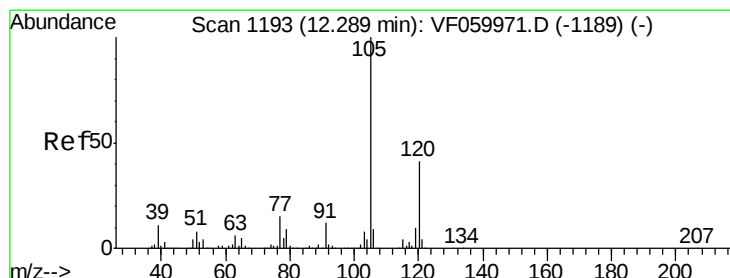
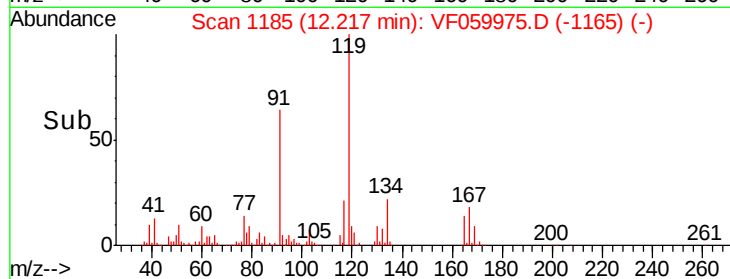
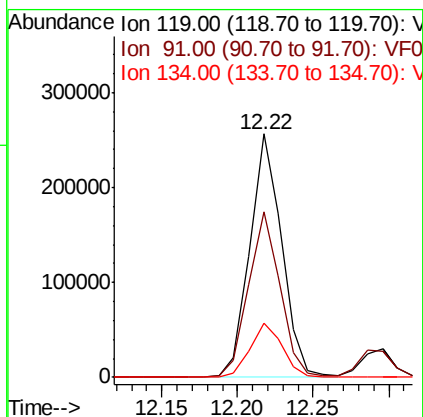
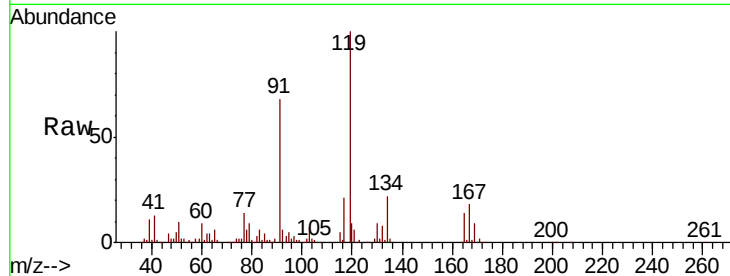
#83
 tert-Butylbenzene
 Concen: 59.48 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059975.D
 Acq: 16 Aug 2018 22:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV081618

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.8	104.3
134	22.3	11.5	34.4

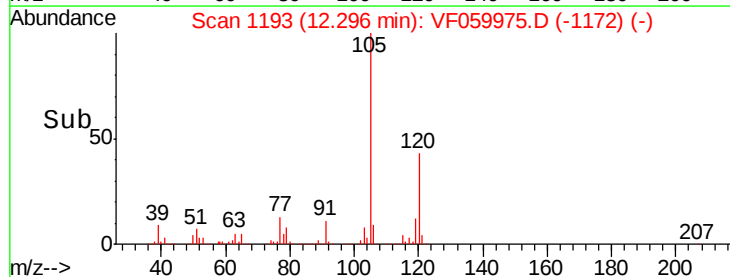
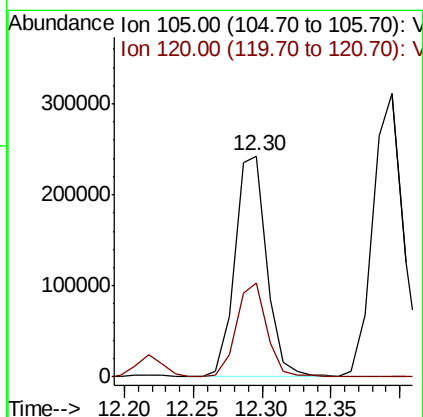
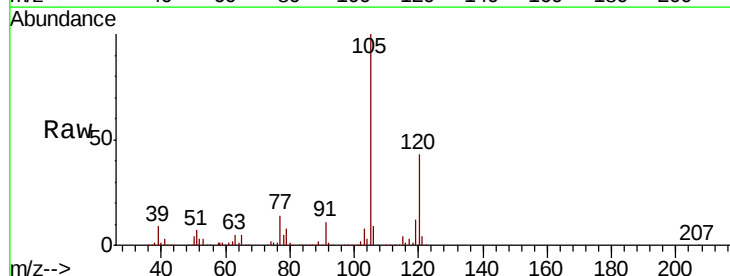
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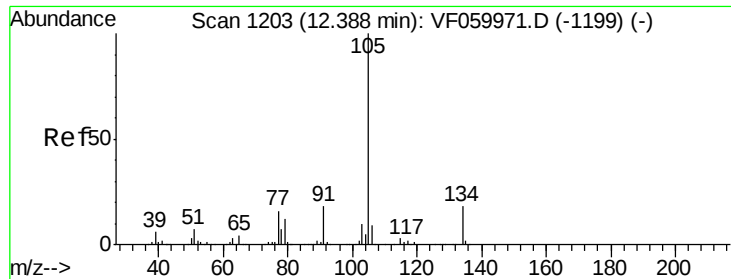
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.55 ug/l
 RT: 12.30 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF059975.D
 Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	20.6	61.8





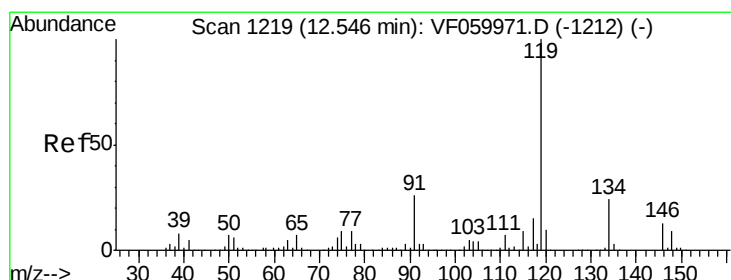
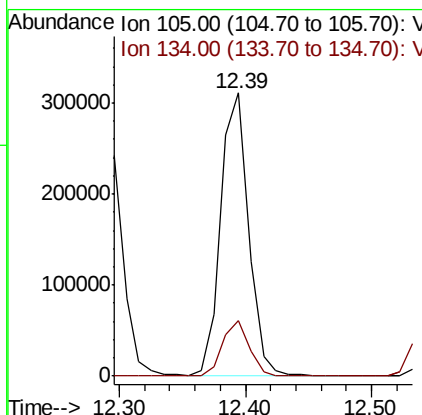
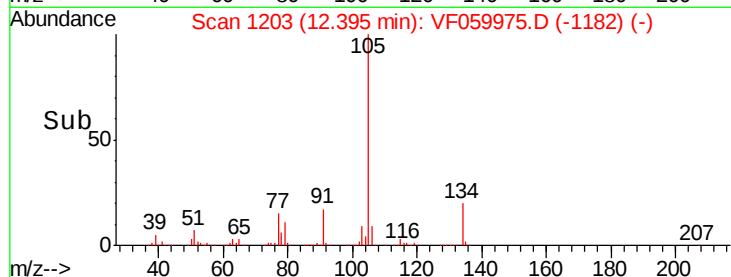
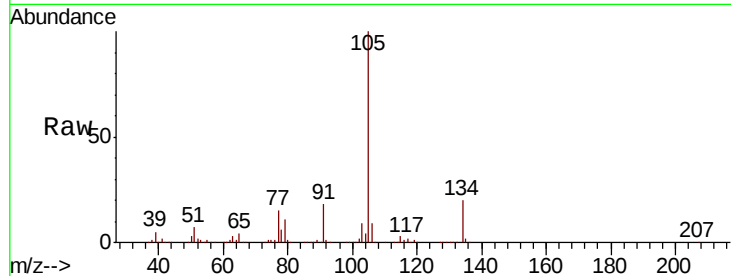
#85
 sec-Butylbenzene
 Concen: 58.04 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF059975.D
 Acq: 16 Aug 2018 22:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081618

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	8.9	26.7

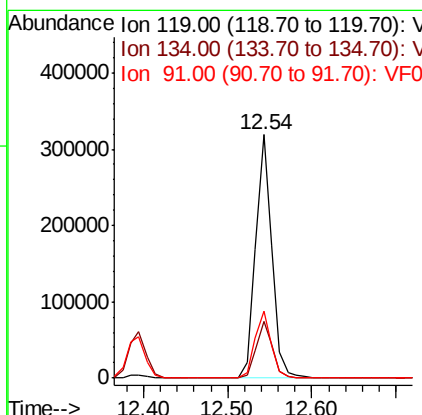
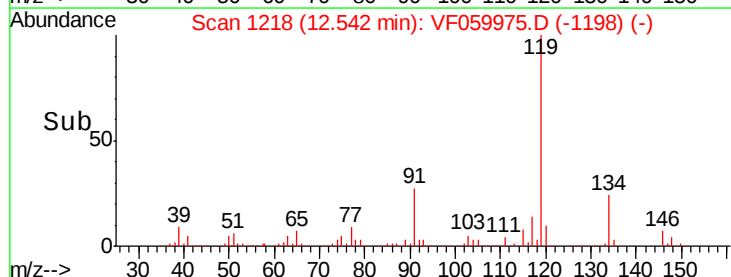
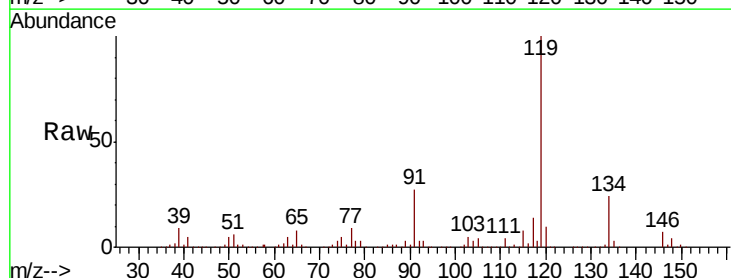
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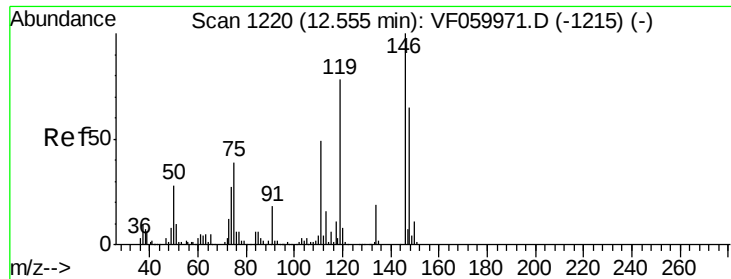
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#86
 p-Isopropyltoluene
 Concen: 58.91 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059975.D
 Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.5	12.0	36.1
91	27.3	13.1	39.1





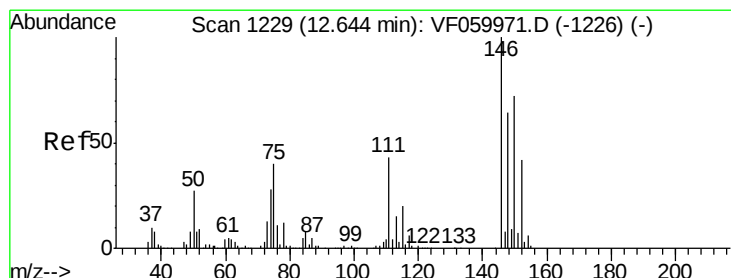
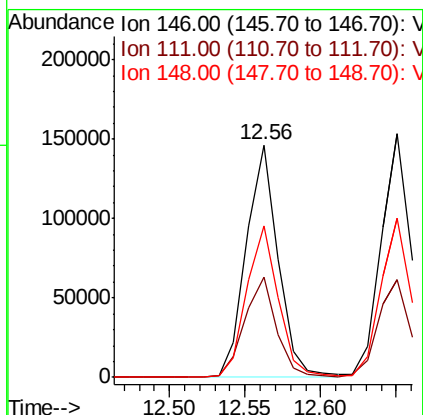
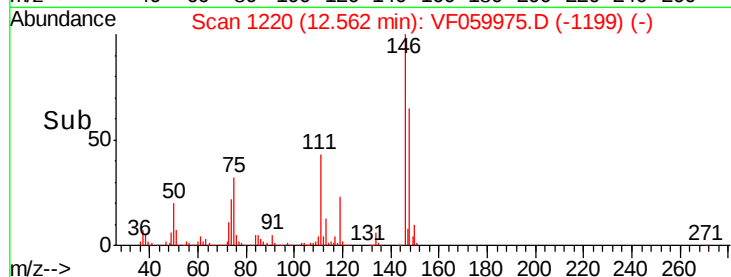
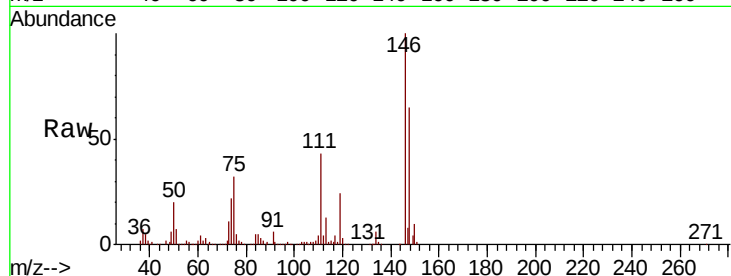
#87
 1,3-Dichlorobenzene
 Concen: 55.94 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059975.D
 Acq: 16 Aug 2018 22:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV081618

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	24.4	73.2
148	65.2	32.3	96.8

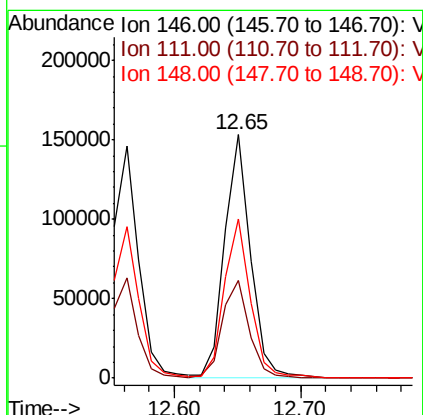
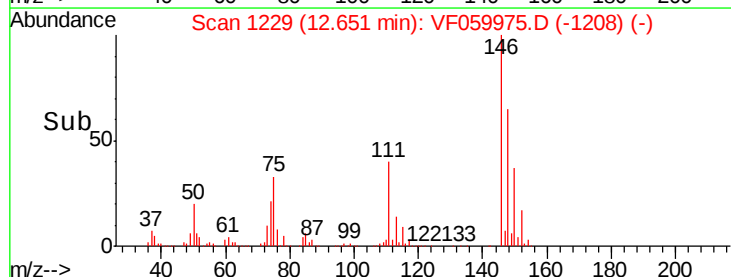
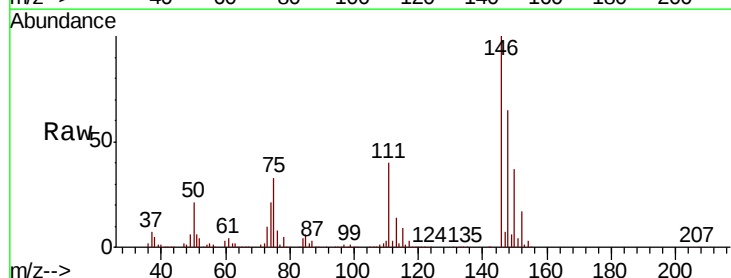
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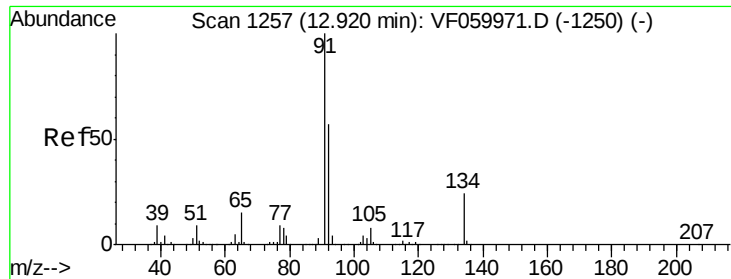
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#88
 1,4-Dichlorobenzene
 Concen: 55.75 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059975.D
 Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.4	64.2
148	65.5	31.9	95.7





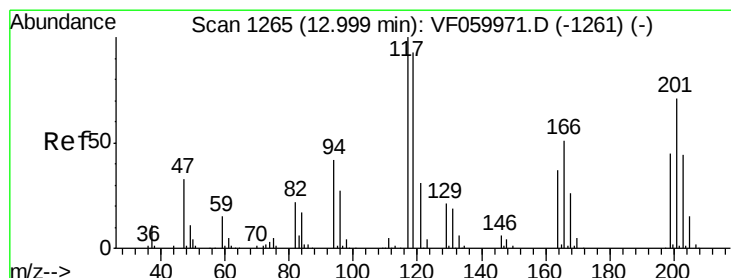
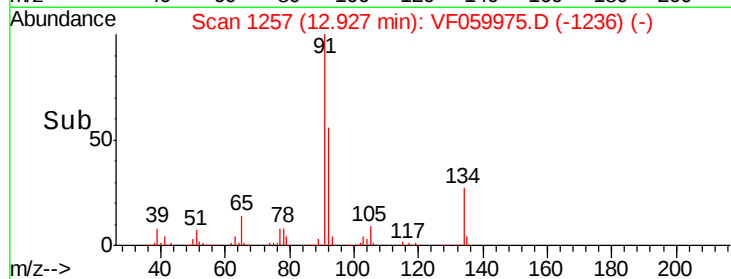
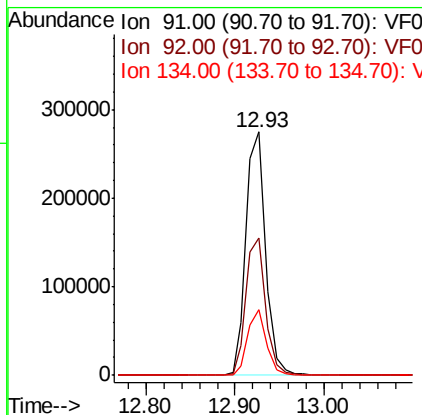
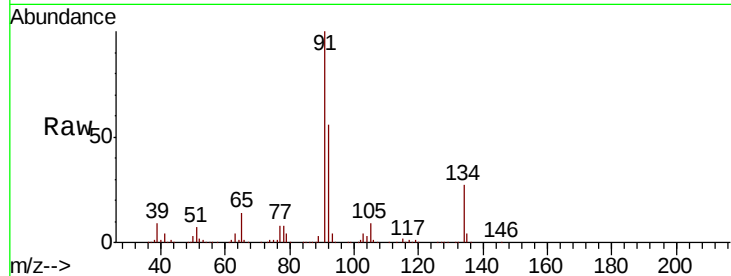
#89
n-Butylbenzene
Concen: 58.46 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Resp	Lower	Upper
91	100	417780		
92	56.3	28.3	85.0	
134	27.2	11.9	35.7	

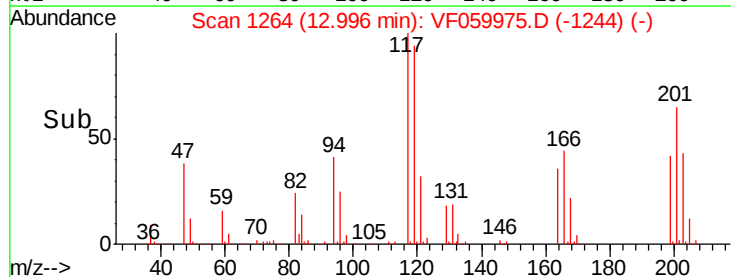
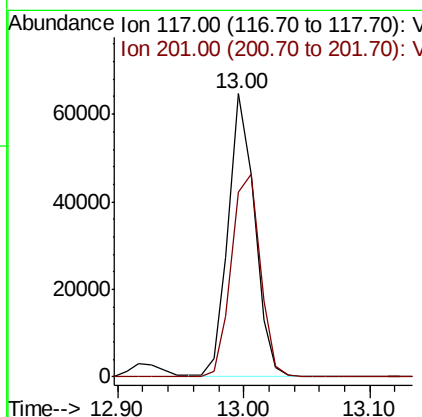
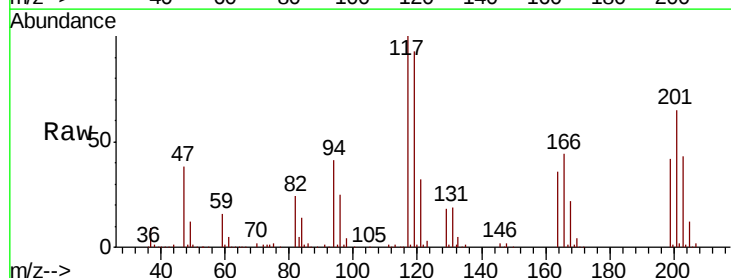
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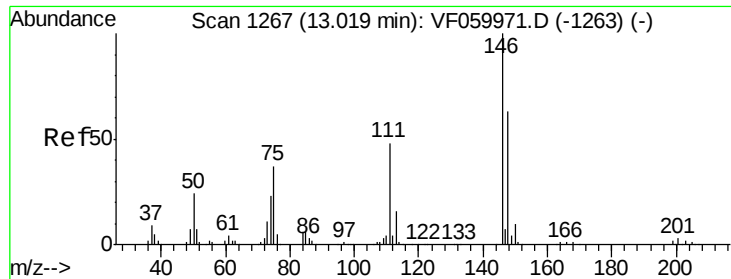
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#90
Hexachloroethane
Concen: 57.54 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	94020		
201	65.2	35.3	105.7	





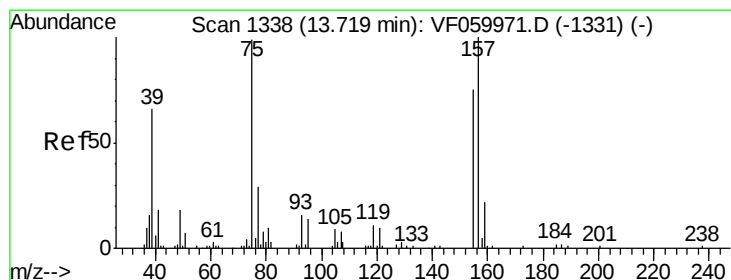
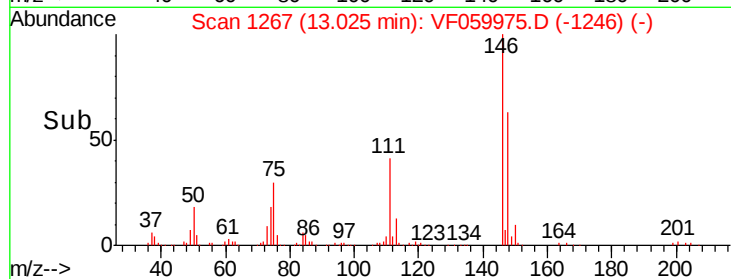
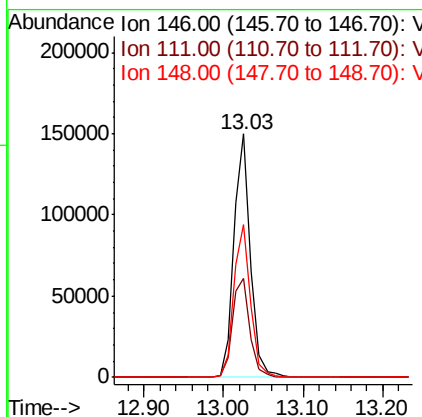
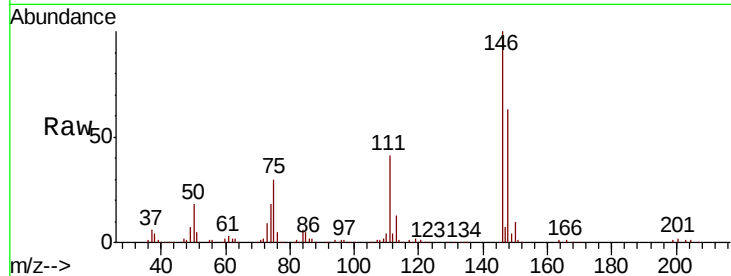
#91
 1,2-Dichlorobenzene
 Concen: 56.26 ug/l
 RT: 13.03 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059975.D
 Acq: 16 Aug 2018 22:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF081618

Tot Ion	Ratio	Resp	Lower	Upper
146	100	218421		
111	40.8	23.9	71.8	
148	62.6	31.4	94.3	

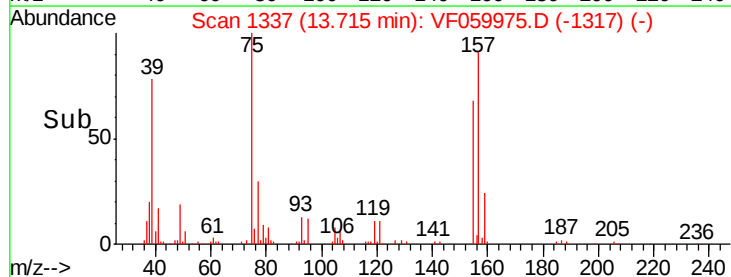
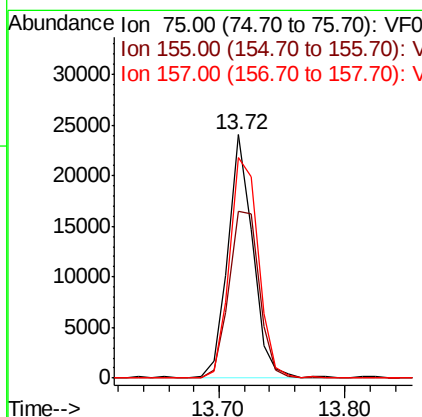
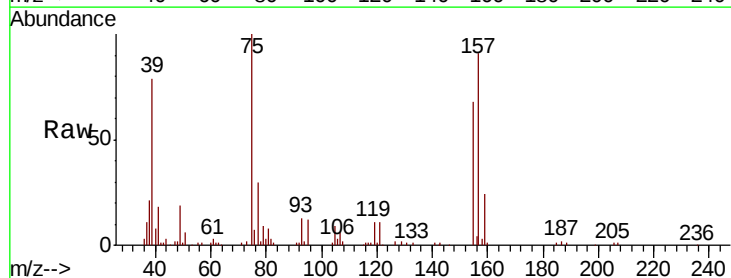
Manual Integrations
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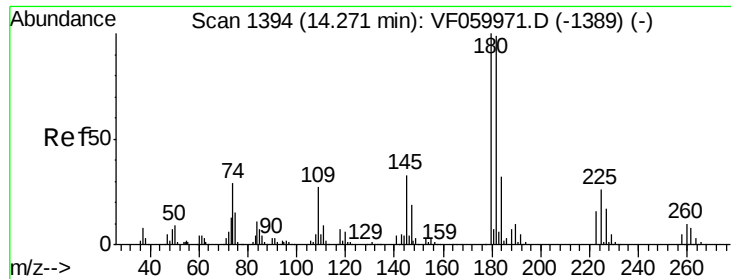
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.58 ug/l
 RT: 13.72 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059975.D
 Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32863		
155	68.5	38.0	114.0	
157	90.6	50.6	151.8	





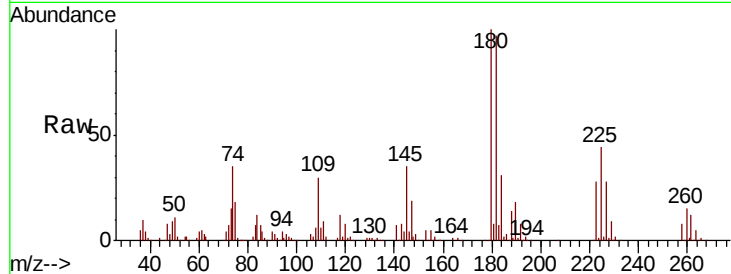
#93
 1,2,4-Trichlorobenzene
 Concen: 53.02 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059975.D
 Acq: 16 Aug 2018 22:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV081618

Tot Ion	Ratio	Resp	Lower	Upper
180	100	173141		
182	96.6	49.7	149.1	
145	34.9	16.4	49.4	

Manual Integrations
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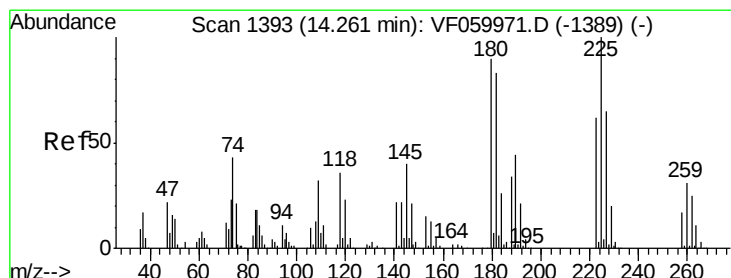
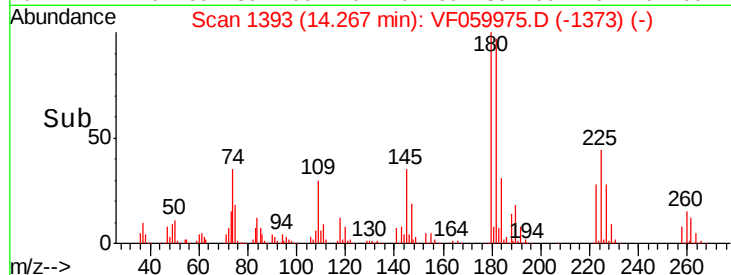
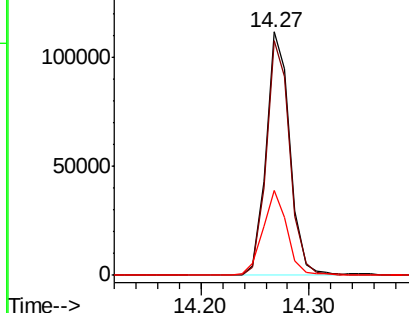


Abundance

Ion 180.00 (179.70 to 180.70): V

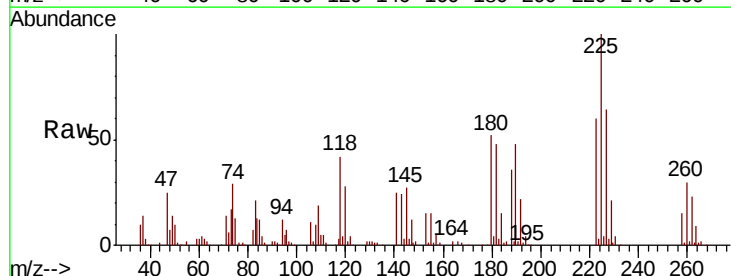
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 55.99 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059975.D
 Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107981		
223	59.8	31.0	93.0	
227	63.6	32.4	97.2	

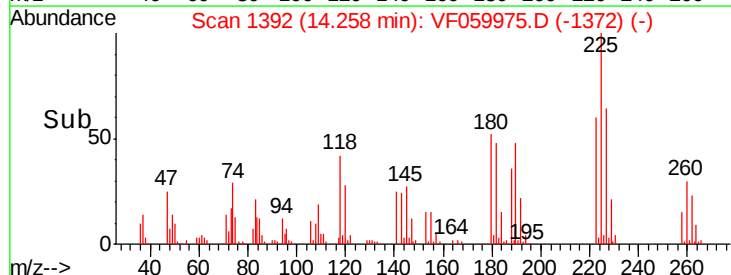
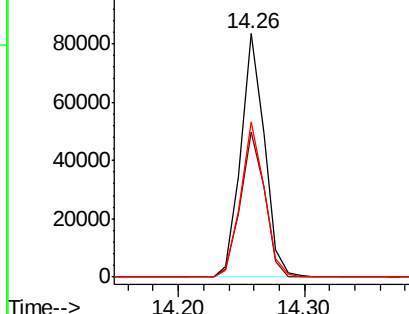


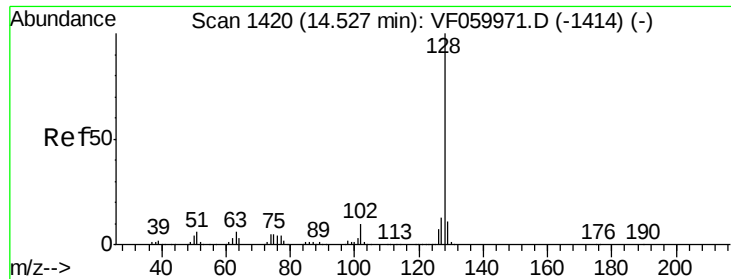
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





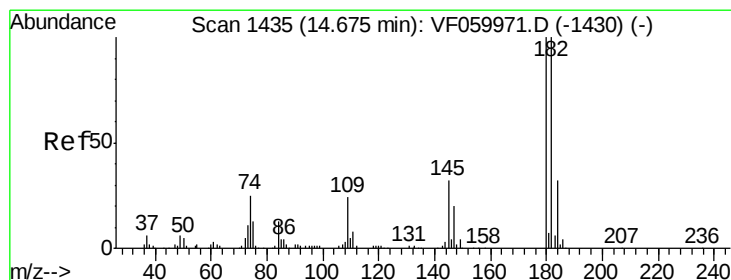
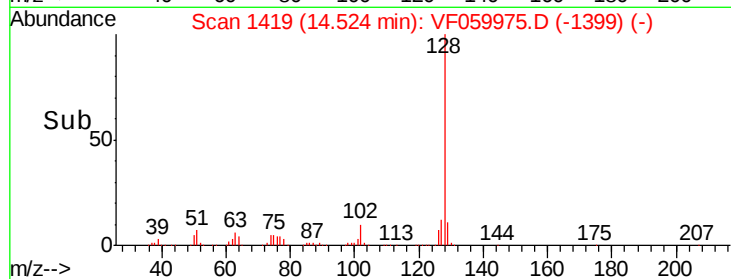
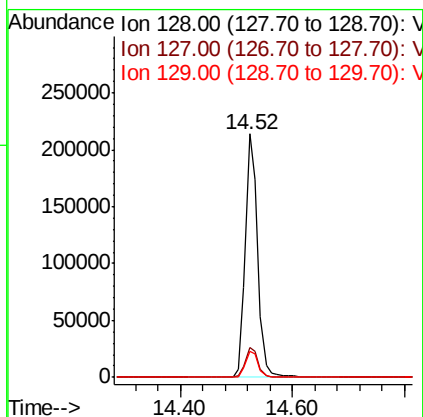
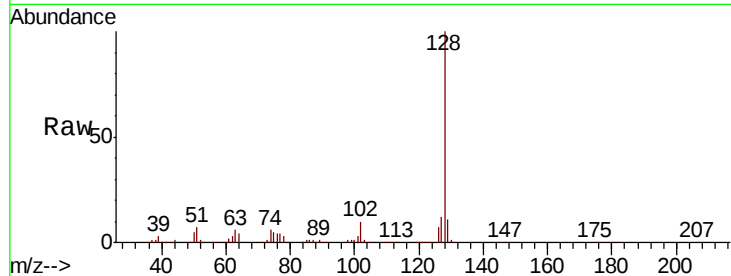
#95
Naphthalene
Concen: 57.90 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081618

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	10.5	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 57.78 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF059975.D
Acq: 16 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	49.9	149.7
145	30.9	16.2	48.5

