

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059619.D
 Acq On : 23 Jul 2018 17:40
 Operator : VA/AP
 Sample : VF0723SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Manual Integrations
 APPROVED

apatel

Quant Time: Jul 24 08:18:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	7/24/2018 1:13:54 PM
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1) Pentafluorobenzene	5.03	168	274658	50.00	ug/l	0.00	
34) 1,4-Difluorobenzene	5.75	114	380693	50.00	ug/l	0.00	
63) Chlorobenzene-d5	9.91	117	364113	50.00	ug/l	0.00	
72) 1,4-Dichlorobenzene-d4	12.63	152	228180	50.00	ug/l	0.00	

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	196257	45.41	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	90.82%		
35) Dibromofluoromethane	4.28	113	175122	49.86	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	99.72%		
50) Toluene-d8	7.70	98	430852	48.99	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	97.98%		
62) 4-Bromofluorobenzene	11.51	95	227778	44.87	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	89.74%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	63969	18.56	ug/l	95
3) Chloromethane	1.08	50	33281	21.18	ug/l	95
4) Vinyl Chloride	1.15	62	39112	22.03	ug/l #	77
5) Bromomethane	1.33	94	29574	19.25	ug/l	98
6) Chloroethane	1.42	64	22180	20.47	ug/l	98
7) Trichlorofluoromethane	1.48	101	85186m	17.65	ug/l	
8) Diethyl Ether	1.69	74	13443	19.40	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	47882	19.71	ug/l	95
10) Methyl Iodide	1.95	142	85691	20.98	ug/l	98
11) Tert butyl alcohol	2.67	59	16838	95.71	ug/l #	77
12) 1,1-Dichloroethene	1.85	96	40567	21.07	ug/l	93
13) Acrolein	2.08	56	6306	71.48	ug/l	91
14) Allyl chloride	2.18	41	69414	19.92	ug/l	88
15) Acrylonitrile	3.07	53	24832	91.51	ug/l	96
16) Acetone	2.33	43	65471	88.35	ug/l	97
17) Carbon Disulfide	1.86	76	105394	21.15	ug/l	95
18) Methyl Acetate	2.45	43	19822m	16.29	ug/l	
19) Methyl tert-butyl Ether	2.53	73	104578	18.64	ug/l	93
20) Methylene Chloride	2.27	84	40136	19.67	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	40684	20.56	ug/l	89
22) Diisopropyl ether	2.92	45	135298	21.18	ug/l #	96
23) Vinyl Acetate	3.32	43	343747	106.92	ug/l #	95
24) 1,1-Dichloroethane	2.99	63	94615	20.67	ug/l	98
25) 2-Butanone	4.50	43	83152	108.83	ug/l	93
26) 2,2-Dichloropropane	3.75	77	76588	19.85	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	49908	22.00	ug/l	99
28) Bromochloromethane	3.88	49	32259	19.17	ug/l	82
29) Tetrahydrofuran	4.25	42	29632	95.73	ug/l	95
30) Chloroform	4.02	83	131034	20.82	ug/l	94
31) Cyclohexane	3.86	56	57785	22.68	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	110468	19.38	ug/l	93
36) 1,1-Dichloropropene	4.45	75	79086	20.51	ug/l #	89
37) Ethyl Acetate	4.28	43	33717	21.75	ug/l #	91
38) Carbon Tetrachloride	4.16	117	113773	19.12	ug/l	93

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 ALS Vial : 90 Sample Multiplier: 1

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Manual Integrations
 APPROVED

apatel

Quant Time: Jul 24 08:18:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	7/24/2018 1:13:54 PM
39) Methylcyclohexane	5.62	83	70807	22.64	ug/l #	89	
40) Benzene	4.79	78	150963	21.43	ug/l	98	
41) Methacrylonitrile	4.91	41	15858	19.96	ug/l #	69	
42) 1,2-Dichloroethane	5.11	62	86250	18.13	ug/l	98	
43) Isopropyl Acetate	7.11	43	39562	19.97	ug/l #	95	
44) Trichloroethene	5.66	130	59270	21.82	ug/l	93	
45) 1,2-Dichloropropane	6.39	63	41479	21.75	ug/l	90	
46) Dibromomethane	6.25	93	31665	20.04	ug/l #	87	
47) Bromodichloromethane	6.54	83	95910	20.00	ug/l #	94	
48) Methyl methacrylate	6.86	41	28276	19.09	ug/l	96	
49) 1,4-Dioxane	6.85	88	4282	451.39	ug/l	97	
51) 4-Methyl-2-Pentanone	8.40	43	149060	103.30	ug/l	96	
52) Toluene	7.77	92	109179	20.35	ug/l	96	
53) t-1,3-Dichloropropene	8.42	75	79947	19.72	ug/l	99	
54) cis-1,3-Dichloropropene	7.44	75	84091	20.93	ug/l	97	
55) 1,1,2-Trichloroethane	8.63	97	35219	19.19	ug/l	92	
56) Ethyl methacrylate	8.76	69	39799	19.48	ug/l	86	
57) 1,3-Dichloropropane	8.99	76	66086	20.69	ug/l	98	
58) 2-Chloroethyl Vinyl ether	7.76	63	24026	101.63	ug/l	100	
59) 2-Hexanone	9.62	43	110820	94.63	ug/l	100	
60) Dibromochloromethane	8.85	129	63544	19.44	ug/l	97	
61) 1,2-Dibromoethane	9.13	107	43782	20.81	ug/l	97	
64) Tetrachloroethene	8.29	164	58623	21.68	ug/l	97	
65) Chlorobenzene	9.93	112	147120	21.91	ug/l	99	
66) 1,1,1,2-Tetrachloroethane	10.07	131	61027	20.06	ug/l	92	
67) Ethyl Benzene	10.03	91	266547	21.83	ug/l	99	
68) m/p-Xylenes	10.26	106	199170	48.01	ug/l	88	
69) o-Xylene	10.83	106	100557	22.31	ug/l	91	
70) Styrene	10.89	104	151234	22.38	ug/l	95	
71) Bromoform	10.88	173	36875	19.56	ug/l	98	
73) Isopropylbenzene	11.22	105	317056	21.88	ug/l	98	
74) N-amyl acetate	11.46	43	65230	20.02	ug/l	94	
75) 1,1,2,2-Tetrachloroethane	11.78	83	48007	19.73	ug/l	98	
76) 1,2,3-Trichloropropane	11.88	75	41952	19.74	ug/l	89	
77) Bromobenzene	11.59	156	81592	21.73	ug/l	86	
78) n-propylbenzene	11.68	91	376501	21.68	ug/l	98	
79) 2-Chlorotoluene	11.81	91	226352	21.75	ug/l	95	
80) 1,3,5-Trimethylbenzene	11.91	105	277566	21.39	ug/l	99	
81) trans-1,4-Dichloro-2-buten	11.95	75	15460m	18.34	ug/l		
82) 4-Chlorotoluene	11.99	91	241294	20.84	ug/l	88	
83) tert-Butylbenzene	12.21	119	266648	20.79	ug/l	96	
84) 1,2,4-Trimethylbenzene	12.28	105	282727	21.42	ug/l	97	
85) sec-Butylbenzene	12.38	105	359344	21.67	ug/l	99	
86) p-Isopropyltoluene	12.53	119	321592	22.04	ug/l	99	
87) 1,3-Dichlorobenzene	12.55	146	148263	20.59	ug/l	100	
88) 1,4-Dichlorobenzene	12.64	146	143851	21.29	ug/l	100	
89) n-Butylbenzene	12.92	91	307063	22.02	ug/l	98	
90) Hexachloroethane	12.99	117	72457	20.04	ug/l	77	
91) 1,2-Dichlorobenzene	13.01	146	135879	20.25	ug/l	96	
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11555	19.73	ug/l	92	

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ALS Vial : 90 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

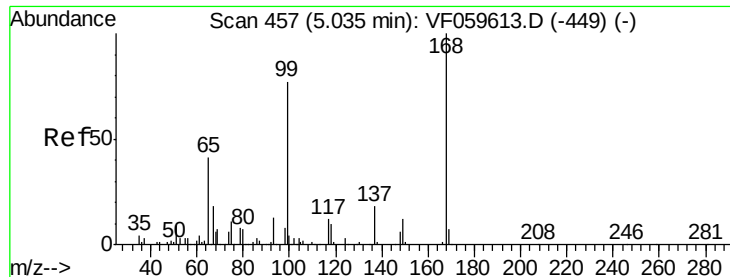
Manual Integrations
APPROVED

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Quant Time: Jul 24 08:18:39 2018
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Quant Title : SW846 8260
QLast Update : Tue Jul 24 04:17:55 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	7/24/2018 1:13:54 PM
93) 1,2,4-Trichlorobenzene	14.27	180	107516	21.43	ug/l	95	
94) Hexachlorobutadiene	14.26	225	73503	21.05	ug/l	94	
95) Naphthalene	14.52	128	163172	20.03	ug/l	98	
96) 1,2,3-Trichlorobenzene	14.67	180	93982	20.61	ug/l	97	

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion:168 Resp: 274658

Ion Ratio Lower Upper

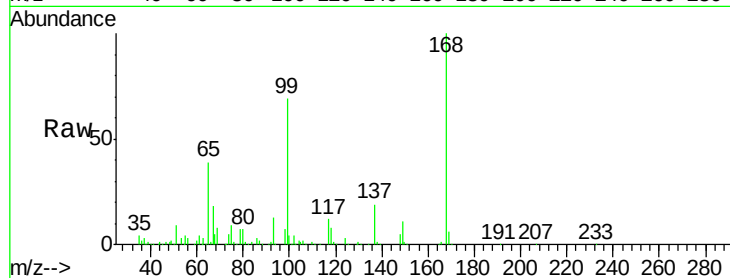
168 100

99 69.3 61.5 92.3

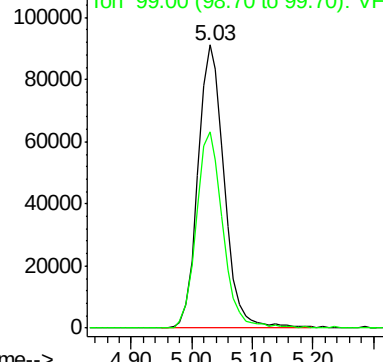
Manual Integrations

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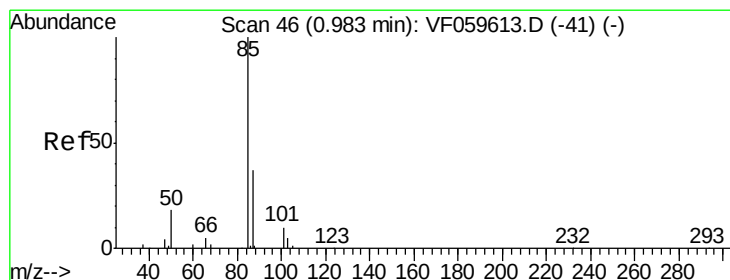
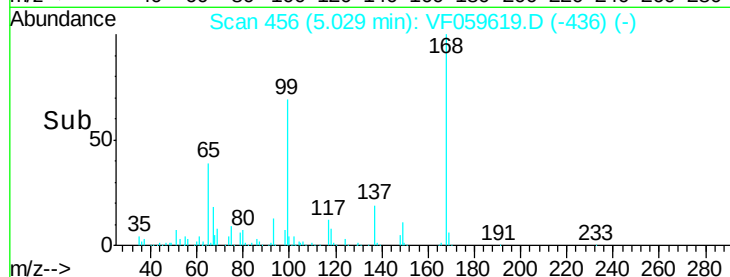
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Abundance Ion 168.00 (167.70 to 168.70): VF0



7/24/2018 1:13:54 PM



#2

Dichlorodifluoromethane

Concen: 18.56 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059619.D

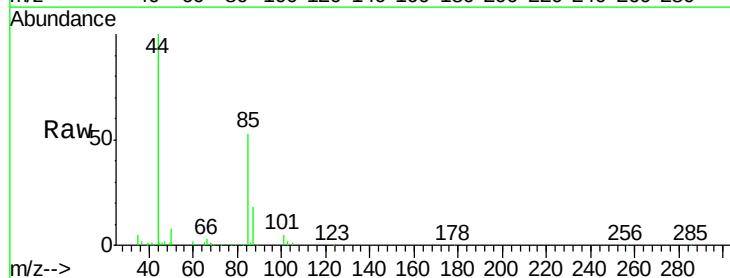
Acq: 23 Jul 2018 17:40

Tgt Ion: 85 Resp: 63969

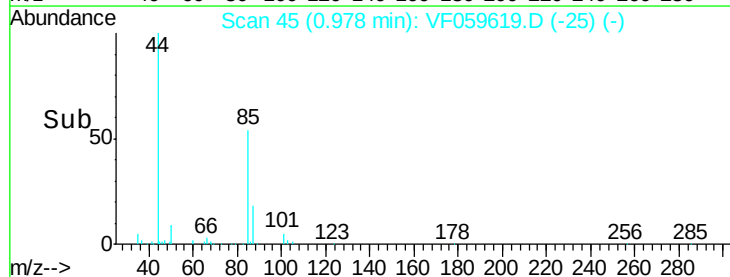
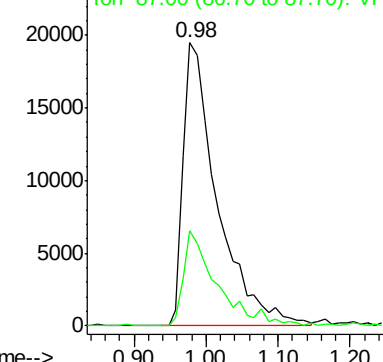
Ion Ratio Lower Upper

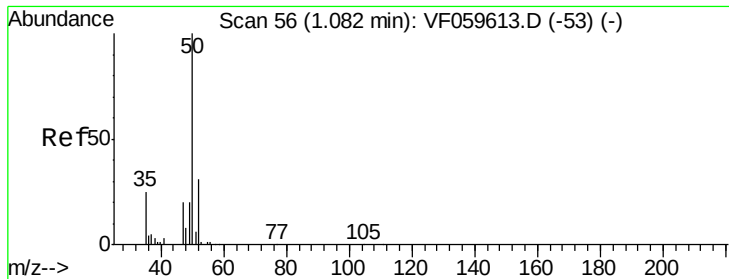
85 100

87 33.8 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 21.18 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 50 Resp: 33281

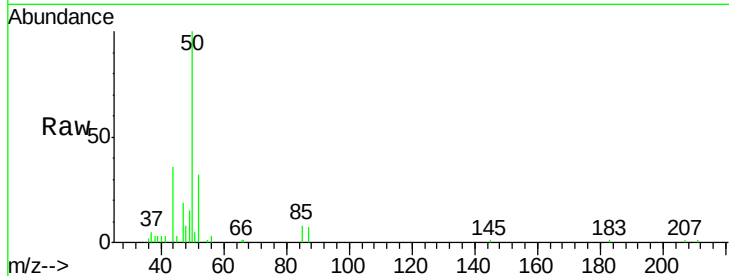
Ion Ratio Lower Upper

50 100

52 32.1 23.7 35.5

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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

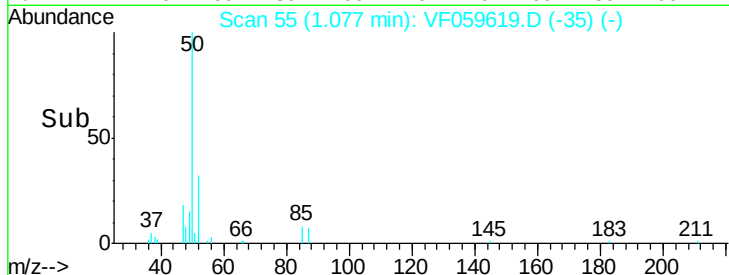
15000

10000

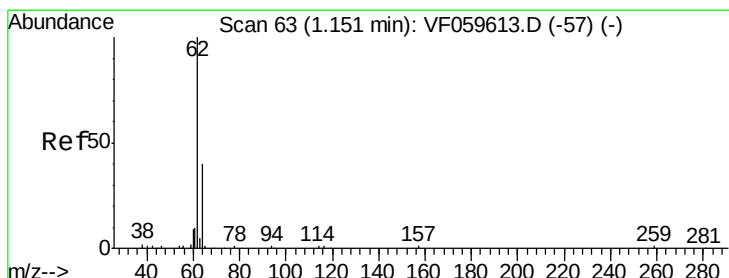
5000

0

Time-->



7/24/2018 1:13:54 PM



#4

Vinyl Chloride

Concen: 22.03 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059619.D

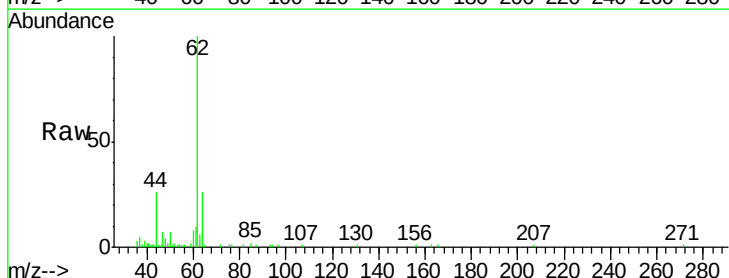
Acq: 23 Jul 2018 17:40

Tgt Ion: 62 Resp: 39112

Ion Ratio Lower Upper

62 100

64 25.9 32.2 48.4#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.15

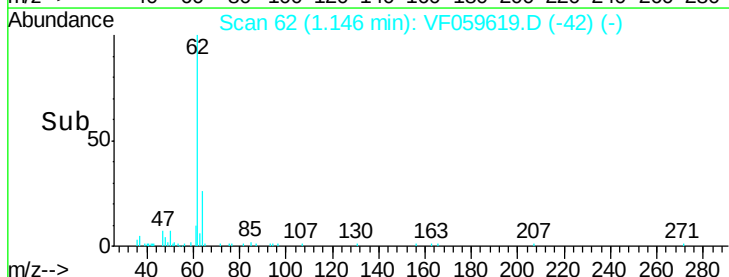
15000

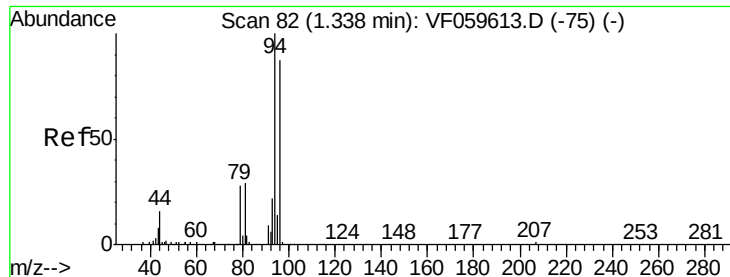
10000

5000

0

Time-->





#5

Bromomethane

Concen: 19.25 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Tot Ion: 94 Resp: 29574

Ion Ratio Lower Upper

94 100

96 89.3 69.8 104.8

Instrument :

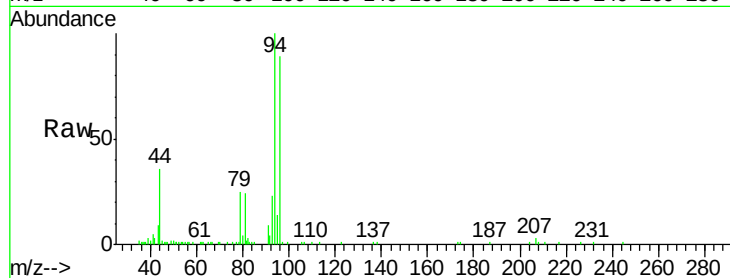
MSVOA_F

ClientSampleId :

VF0723SBS01

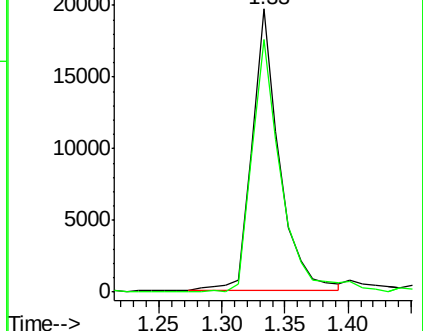
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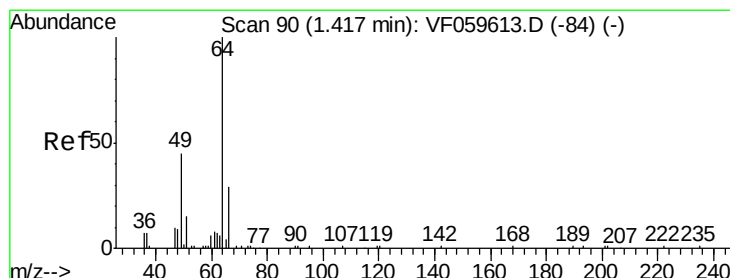
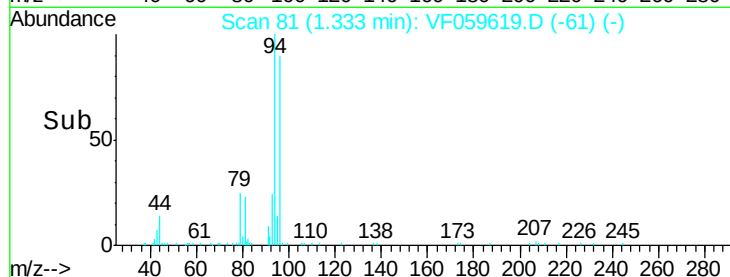


Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



7/24/2018 1:13:54 PM



#6

Chloroethane

Concen: 20.47 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059619.D

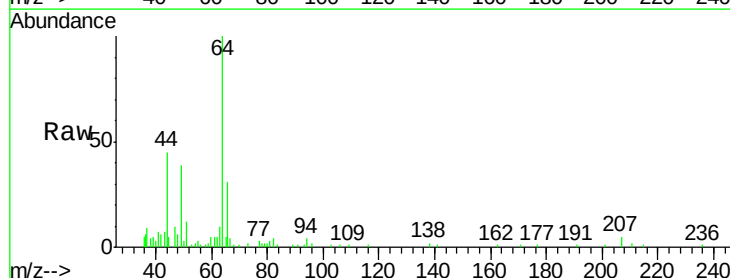
Acq: 23 Jul 2018 17:40

Tgt Ion: 64 Resp: 22180

Ion Ratio Lower Upper

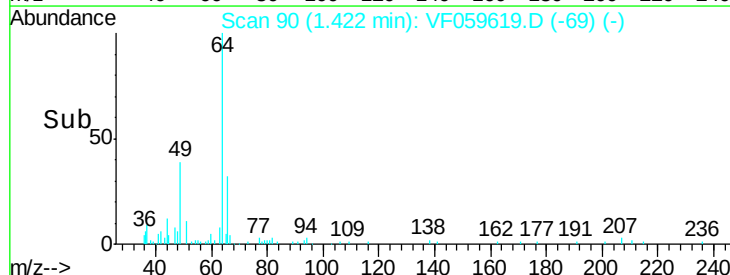
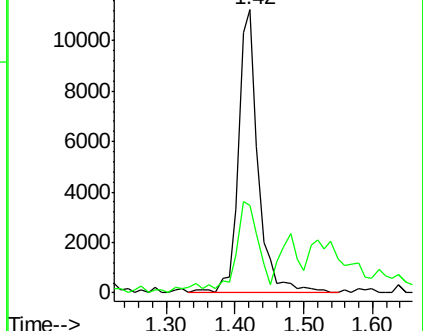
64 100

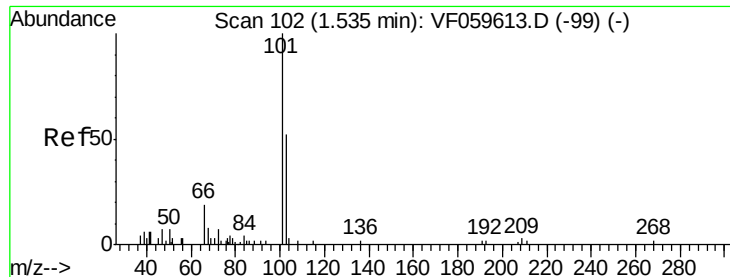
66 30.9 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

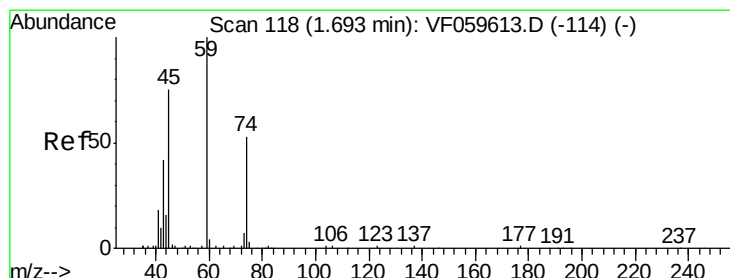
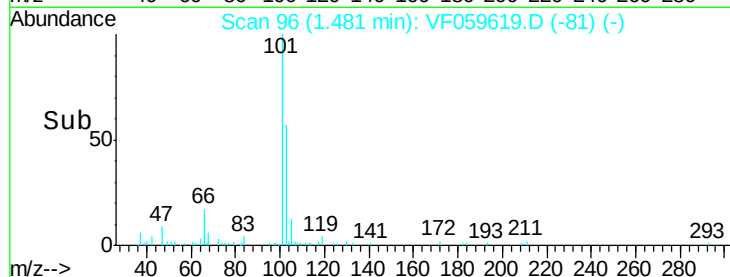
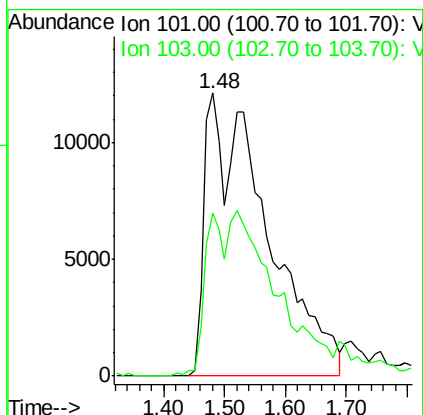
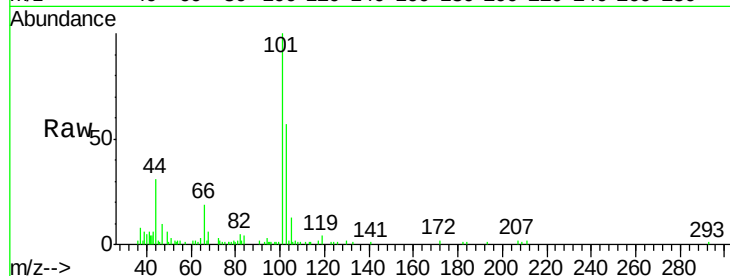
Trichlorofluoromethane
 Concen: 17.65 ug/l m
 RT: 1.48 min Scan# 96
 Delta R.T. -0.05 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion:101 Resp: 85186
 Ion Ratio Lower Upper
 101 100
 103 57.4 48.2 72.4

Manual Integrations
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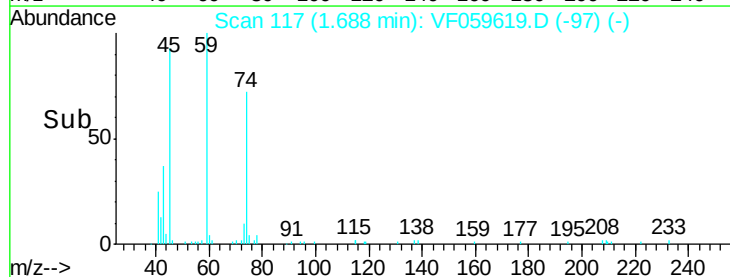
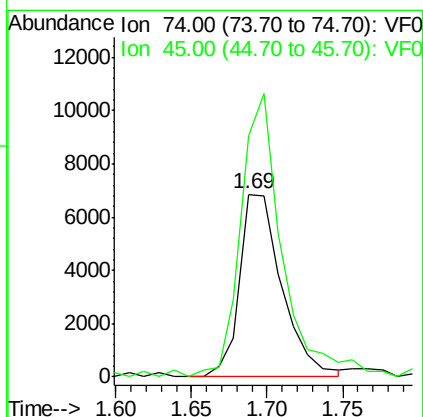
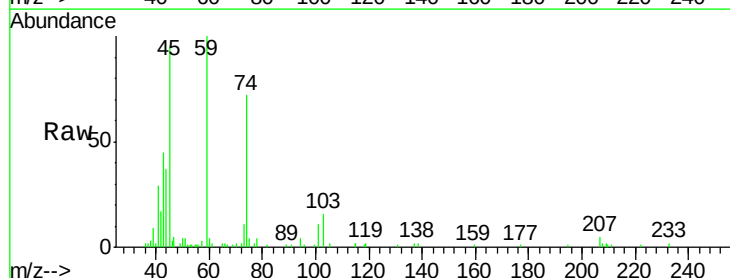
apatel
 7/24/2018 1:13:54 PM

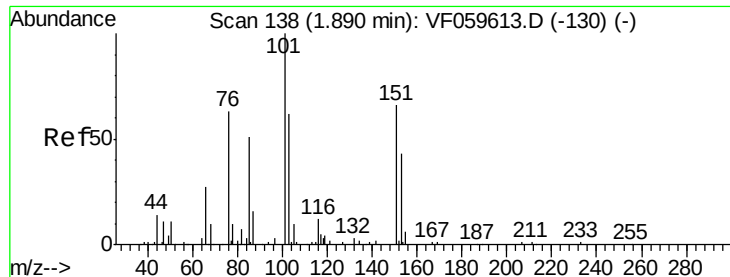


#8

Diethyl Ether
 Concen: 19.40 ug/l
 RT: 1.69 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion: 74 Resp: 13443
 Ion Ratio Lower Upper
 74 100
 45 132.1 72.0 215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.71 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

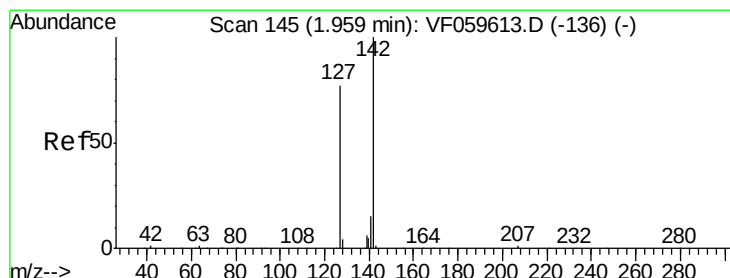
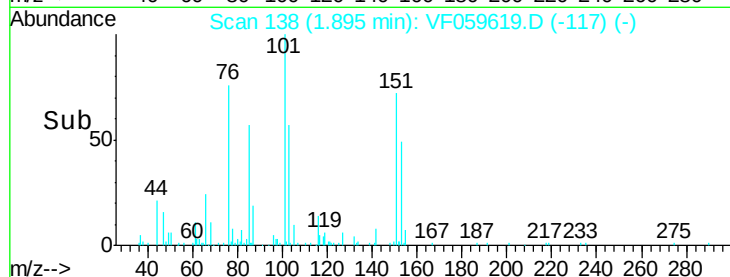
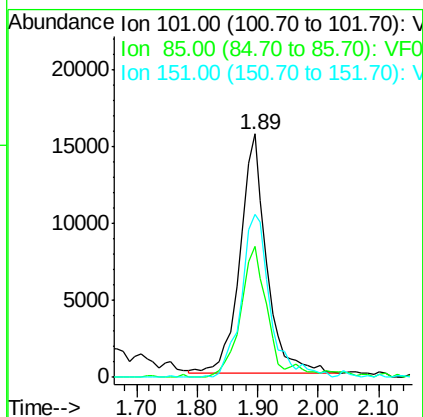
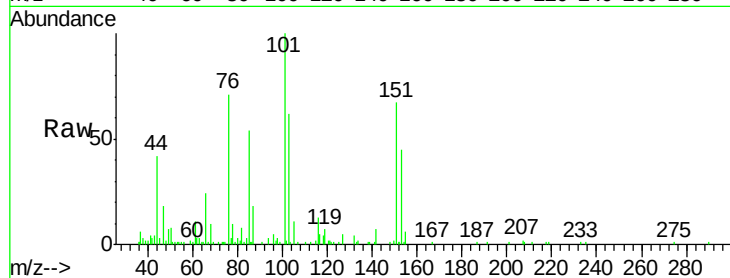
ClientSampleId :

VF0723SBS01

Tot Ion:	101	Resp:	47882
Ion Ratio	Lower	Upper	
101	100		
85	55.0	40.2	60.2
151	67.1	51.4	77.2

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#10

Methyl Iodide

Concen: 20.98 ug/l

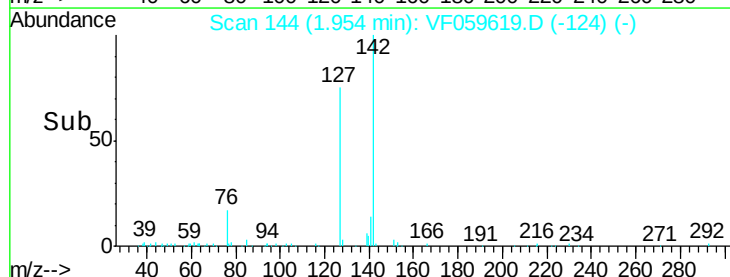
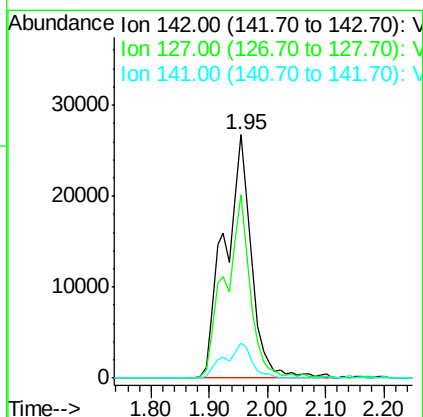
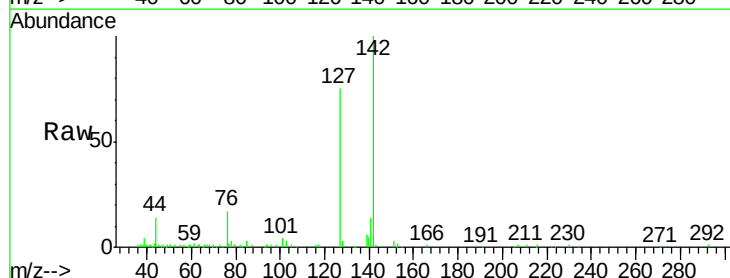
RT: 1.95 min Scan# 144

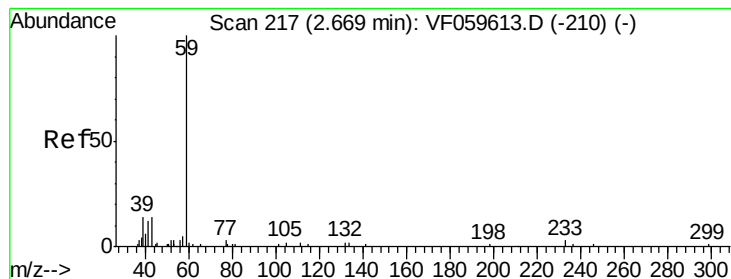
Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Tgt Ion:	142	Resp:	85691
Ion Ratio	Lower	Upper	
142	100		
127	75.2	61.2	91.8
141	14.2	12.0	18.0





#11

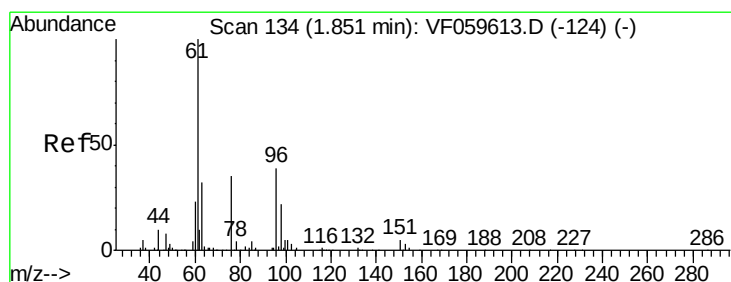
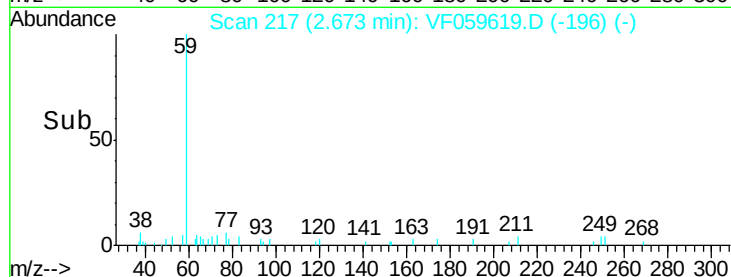
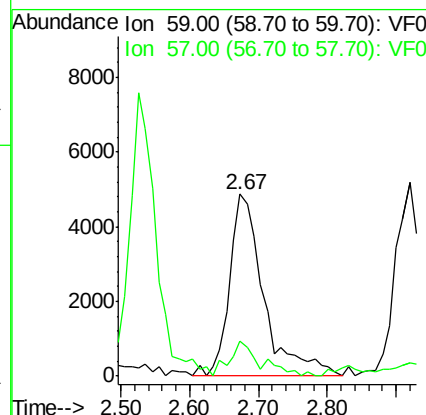
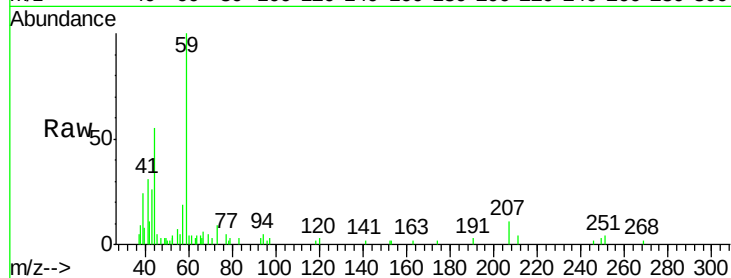
Tert butyl alcohol
Concen: 95.71 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	59	Resp	16838
Ion Ratio	100	Lower	Upper
57	19.5	8.6	12.8#

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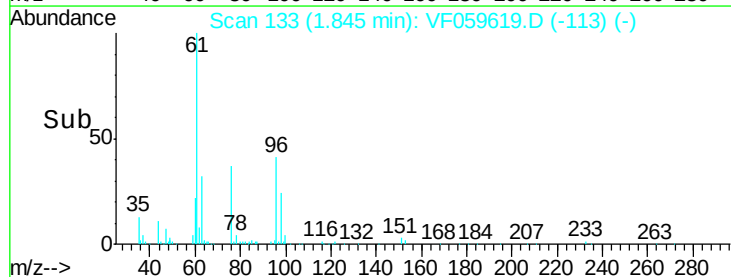
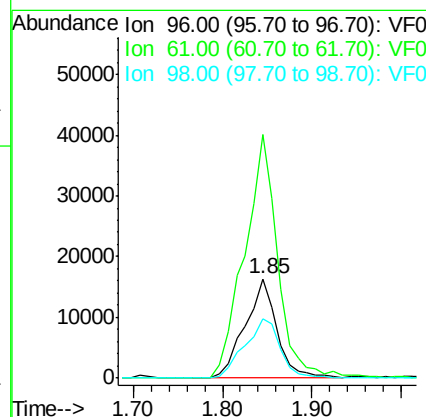
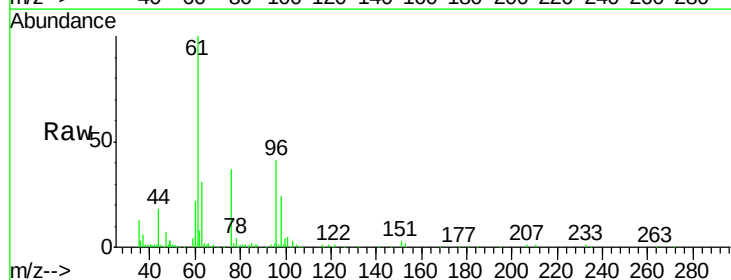
apatel
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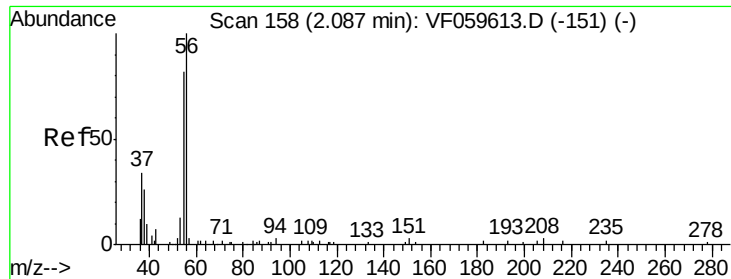


#12

1,1-Dichloroethene
Concen: 21.07 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	96	Resp	40567
Ion Ratio	100	Lower	Upper
61	244.7	207.2	310.8
98	59.0	45.5	68.3





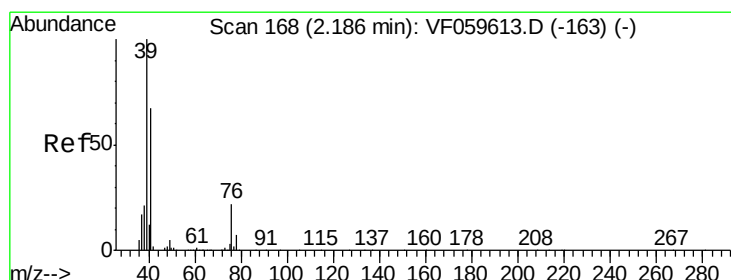
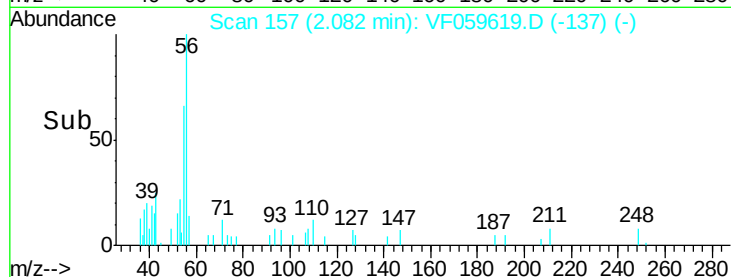
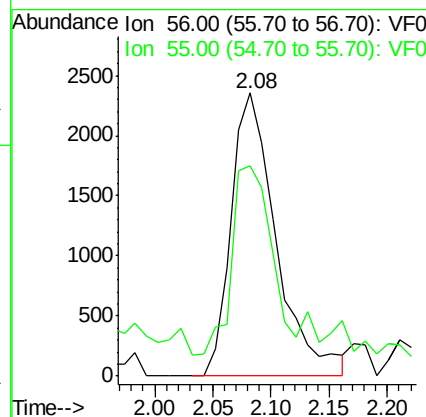
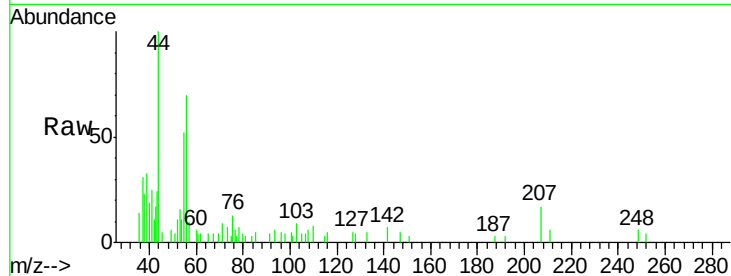
#13
Acrolein
Concen: 71.48 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion: 56 Resp: 6306
Ion Ratio Lower Upper
56 100
55 74.1 65.6 98.4

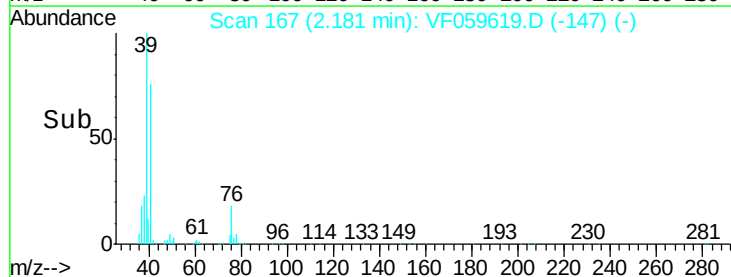
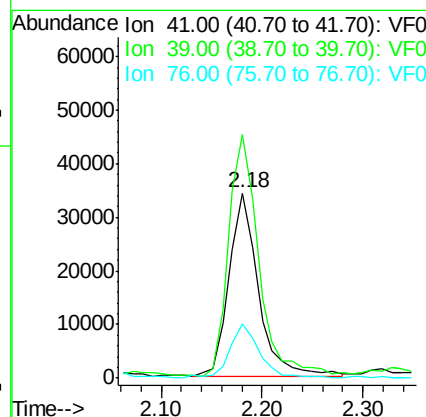
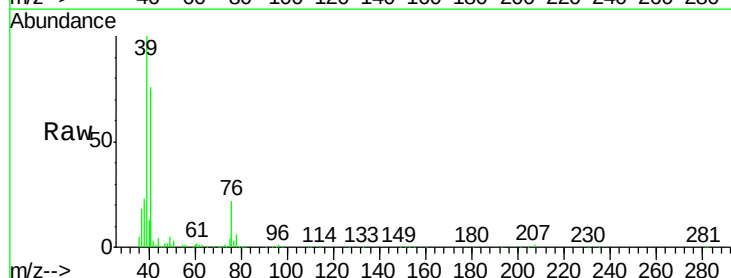
Manual Integrations
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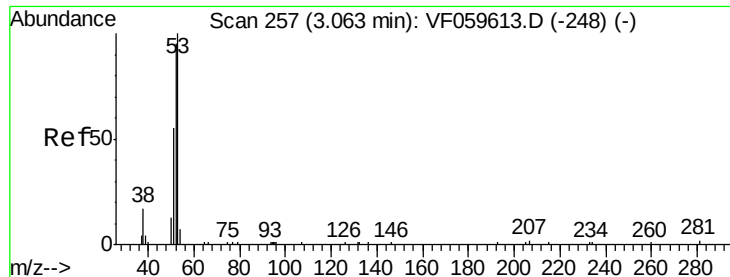
apatel
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#14
Allyl chloride
Concen: 19.92 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion: 41 Resp: 69414
Ion Ratio Lower Upper
41 100
39 131.5 119.0 178.4
76 29.2 26.3 39.5





#15

Acrylonitrile

Concen: 91.51 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

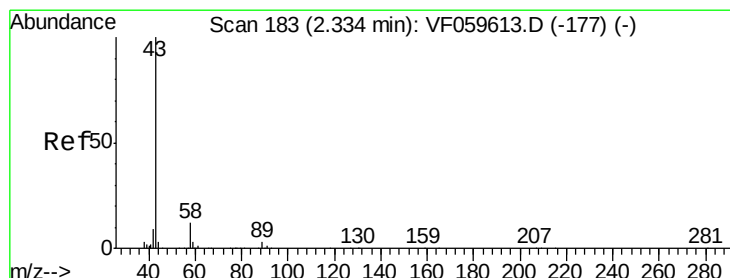
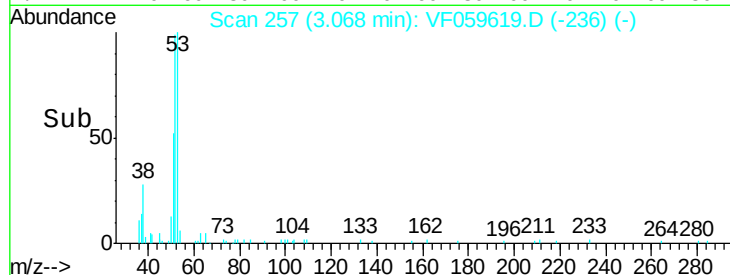
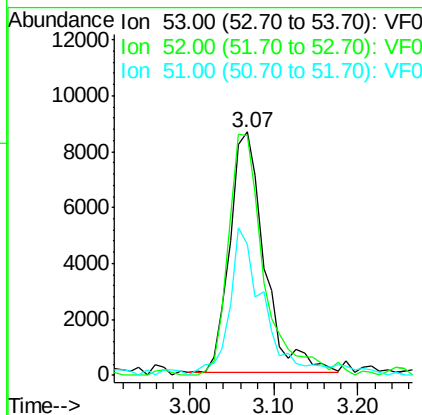
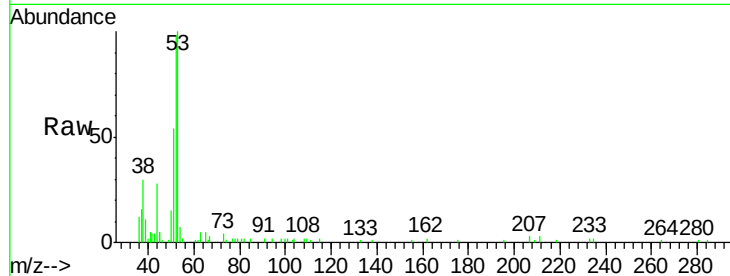
ClientSampleId :

VF0723SBS01

Tot Ion:	53	Resp:	24832
Ion	Ratio	Lower	Upper
53	100		
52	98.3	76.2	114.2
51	54.0	45.8	68.8

Manual Integrations
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#16

Acetone

Concen: 88.35 ug/l

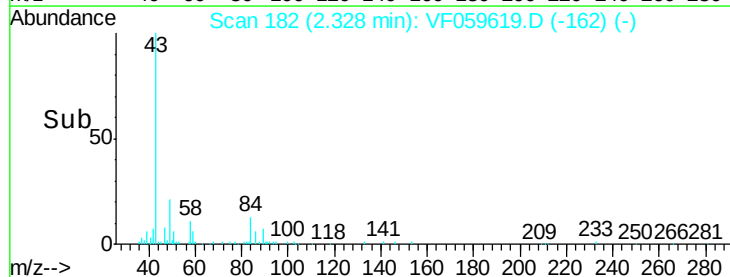
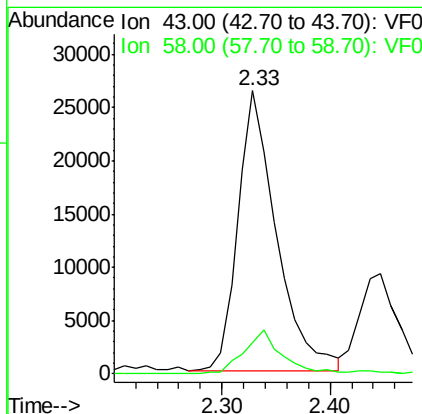
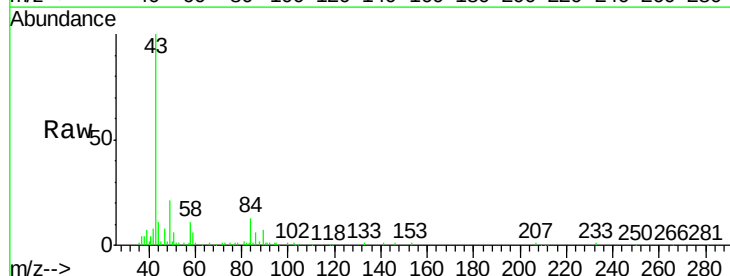
RT: 2.33 min Scan# 182

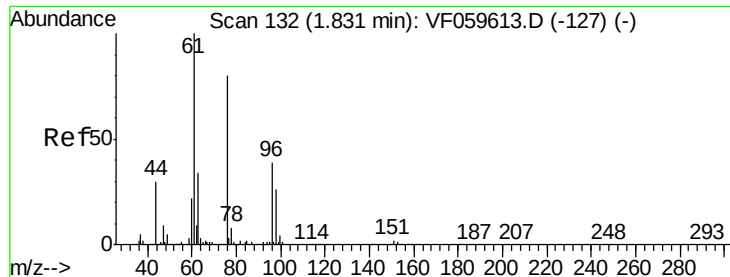
Delta R.T. -0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Tgt Ion:	43	Resp:	65471
Ion	Ratio	Lower	Upper
43	100		
58	11.1	9.8	14.8





#17

Carbon Disulfide

Concen: 21.15 ug/l

RT: 1.86 min Scan# 134

Delta R.T. 0.02 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 76 Resp: 105394

Ion Ratio Lower Upper

76 100

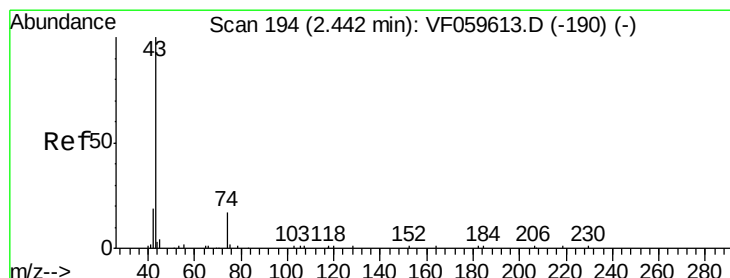
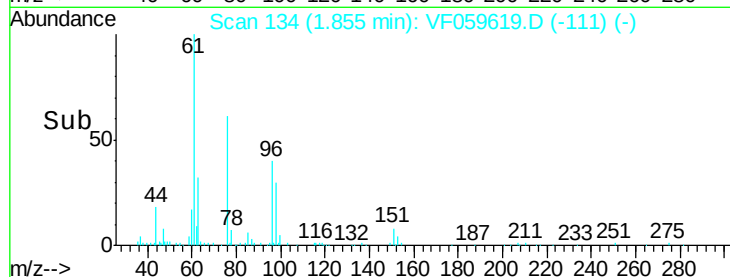
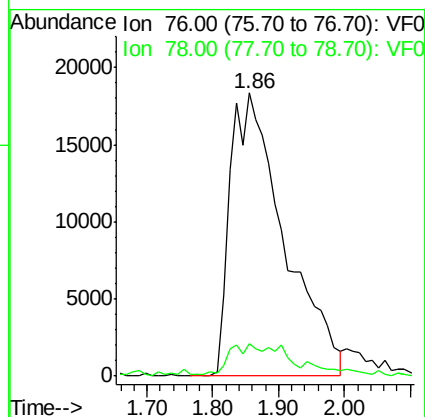
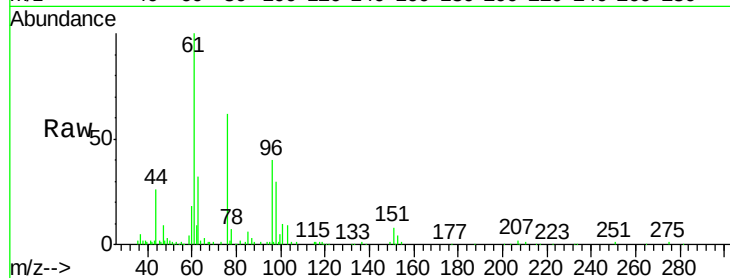
78 11.5 7.7 11.5

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#18

Methyl Acetate

Concen: 16.29 ug/l m

RT: 2.45 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059619.D

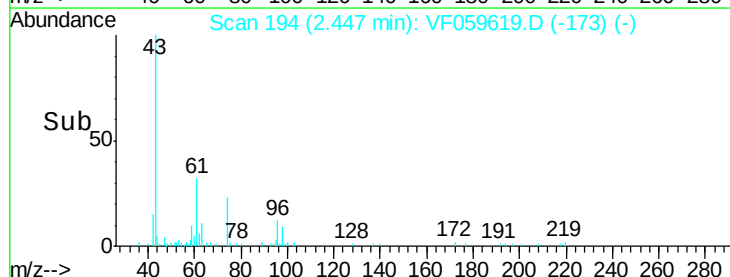
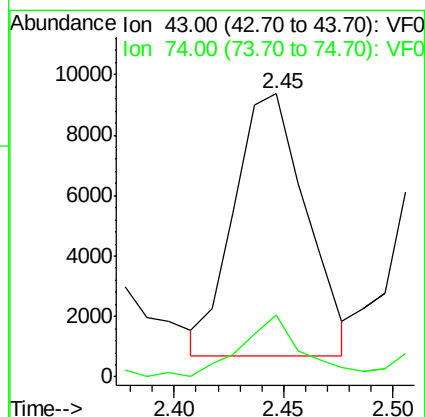
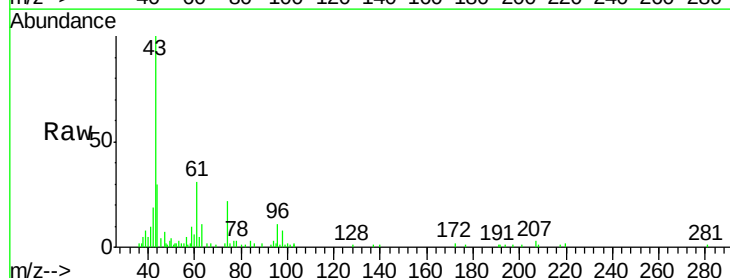
Acq: 23 Jul 2018 17:40

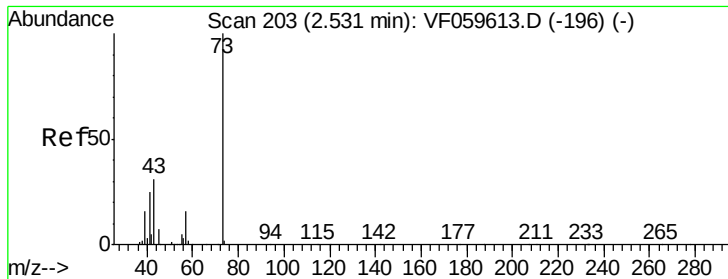
Tgt Ion: 43 Resp: 19822

Ion Ratio Lower Upper

43 100

74 22.0 11.4 17.0#





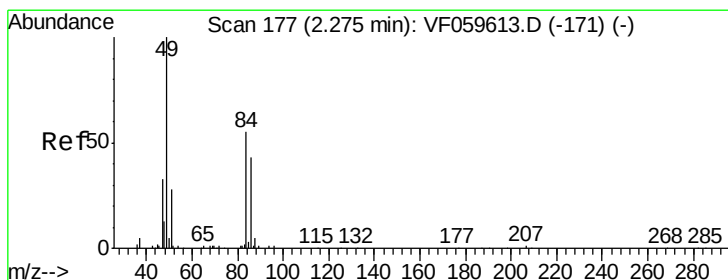
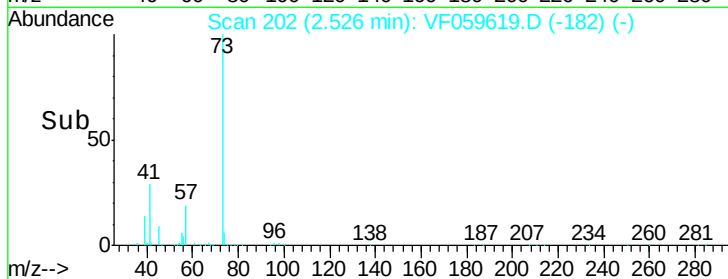
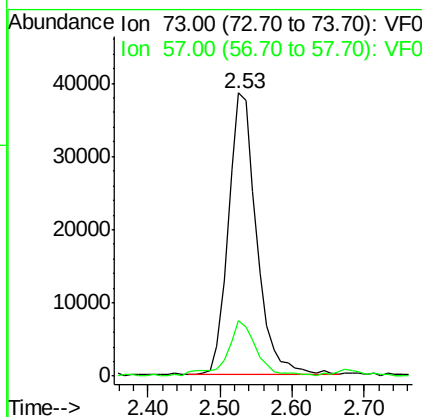
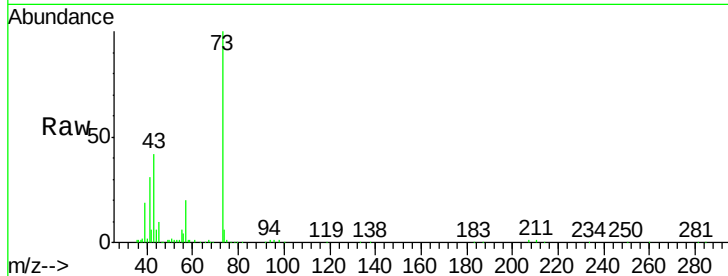
#19
Methyl tert-butyl Ether
Concen: 18.64 ug/l
RT: 2.53 min Scan# 202
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.6	13.2	19.8

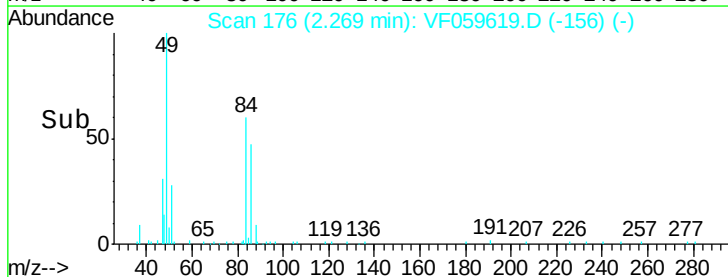
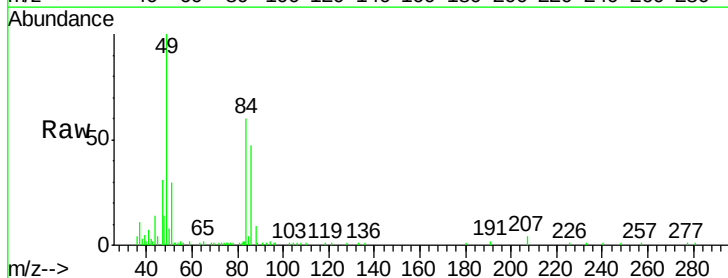
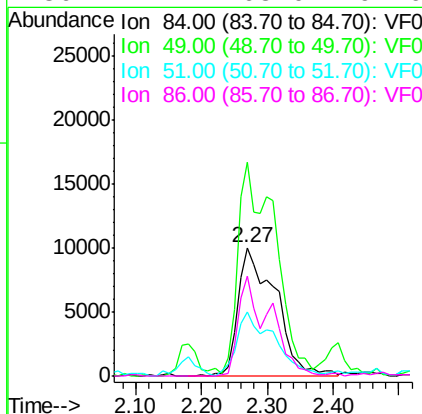
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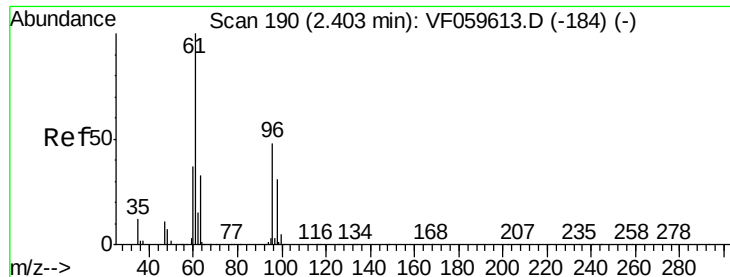
apatel
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#20
Methylene Chloride
Concen: 19.67 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	166.9	148.6	222.8
51	50.2	42.7	64.1
86	77.7	63.0	94.6





#21

trans-1,2-Dichloroethene

Concen: 20.56 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

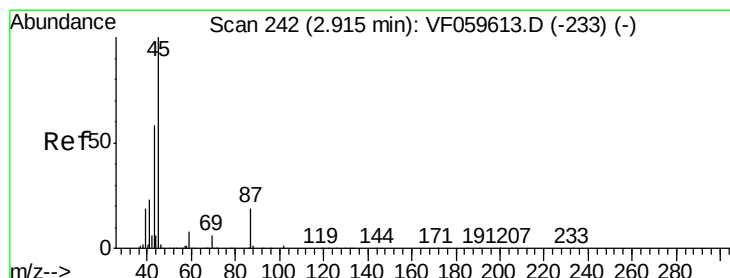
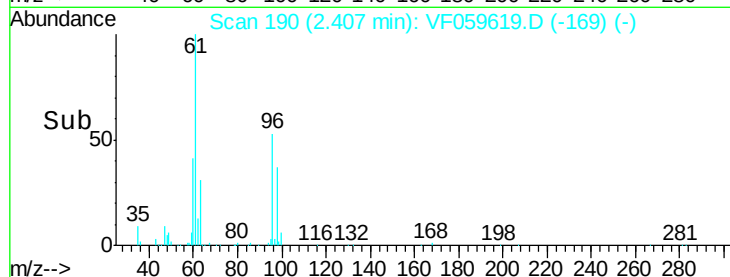
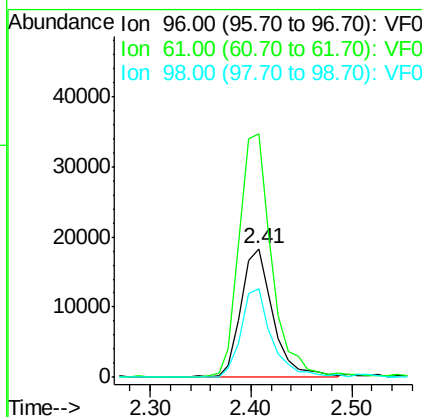
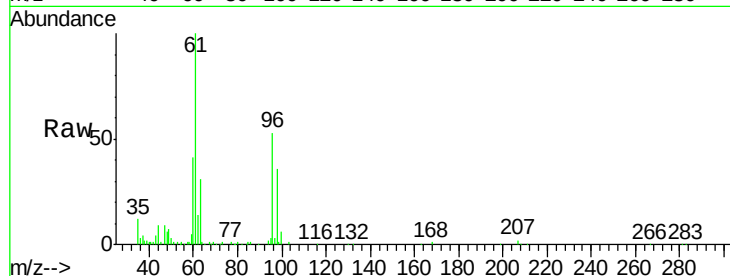
ClientSampleId :

VF0723SBS01

Tot Ion:	96	Resp:	40684
Ion	Ratio	Lower	Upper
96	100		
61	189.2	167.0	250.6
98	69.0	51.8	77.8

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#22

Diisopropyl ether

Concen: 21.18 ug/l

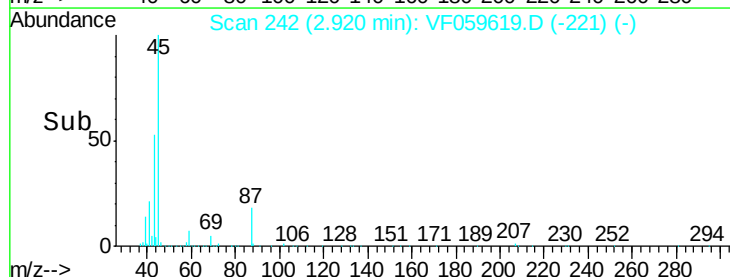
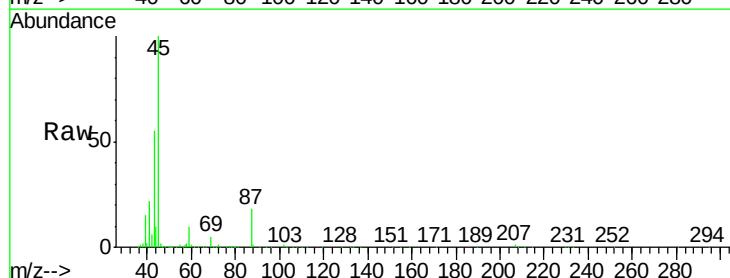
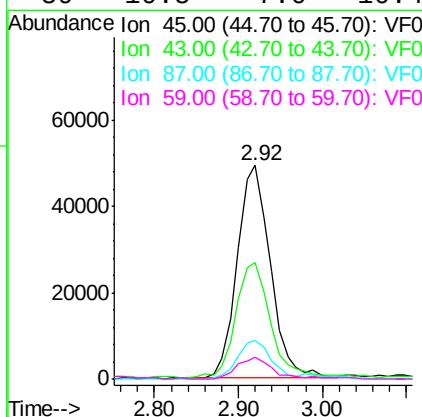
RT: 2.92 min Scan# 242

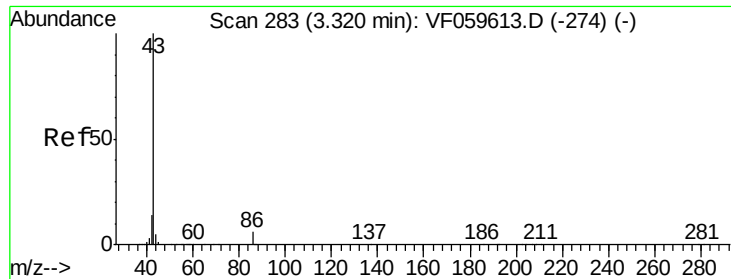
Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Tgt Ion:	45	Resp:	135298
Ion	Ratio	Lower	Upper
45	100		
43	54.8	46.7	70.1
87	18.0	15.0	22.6
59	10.5	7.0	10.4#





#23

Vinyl Acetate

Concen: 106.92 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 43 Resp: 343747

Ion Ratio Lower Upper

43 100

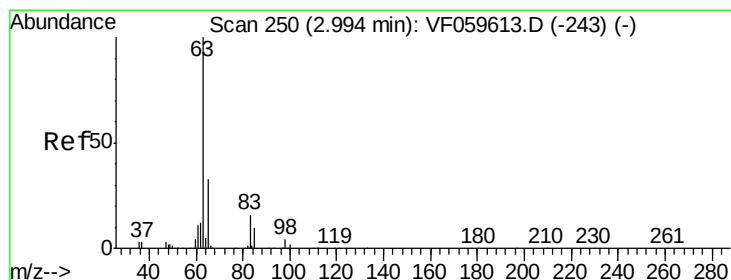
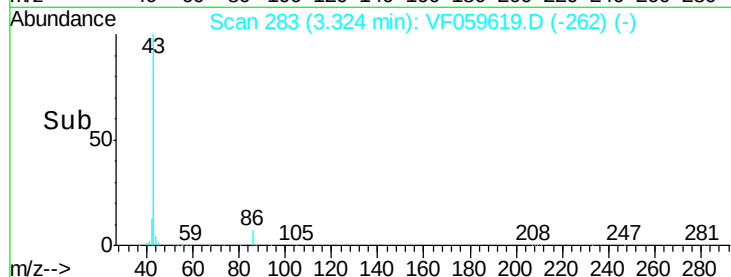
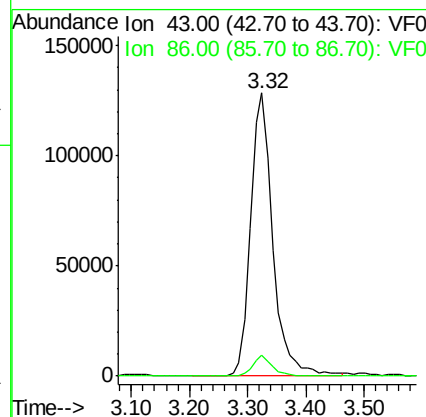
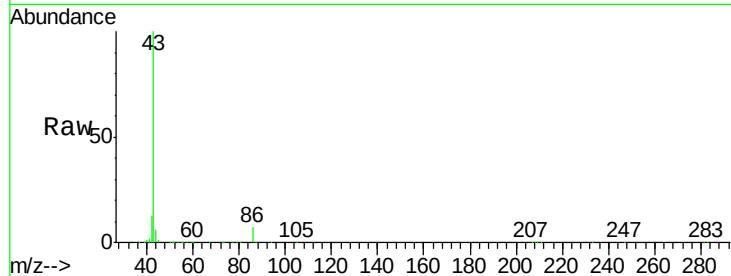
86 7.4 4.6 6.8#

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#24

1,1-Dichloroethane

Concen: 20.67 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

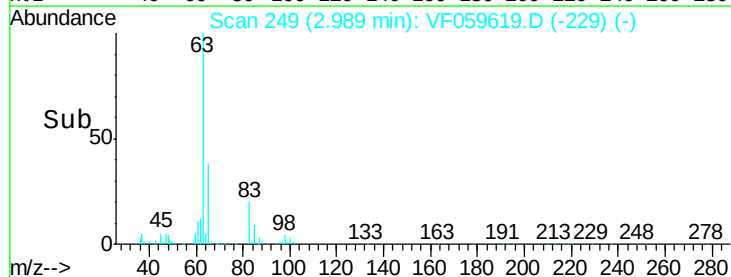
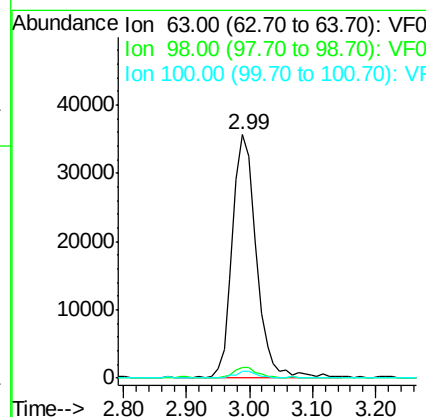
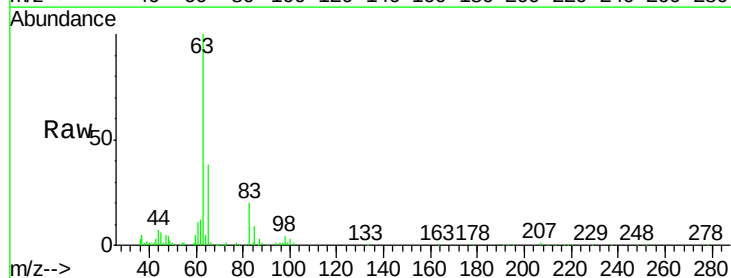
Tgt Ion: 63 Resp: 94615

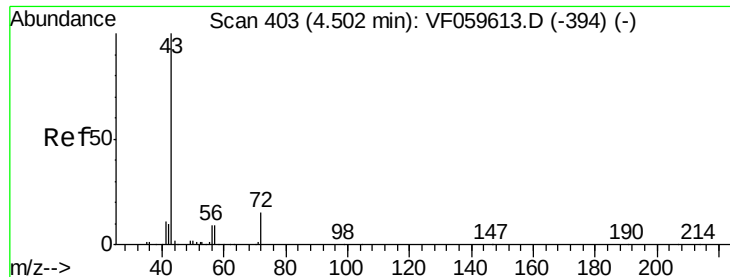
Ion Ratio Lower Upper

63 100

98 4.4 1.9 5.7

100 3.1 1.2 3.6





#25

2-Butanone

Concen: 108.83 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 43 Resp: 83152

Ion Ratio Lower Upper

43 100

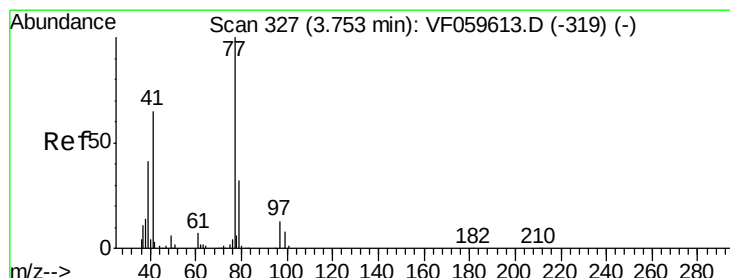
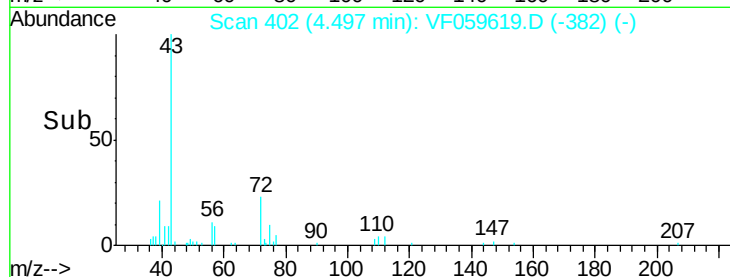
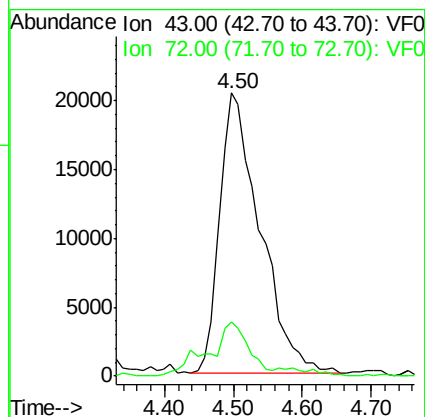
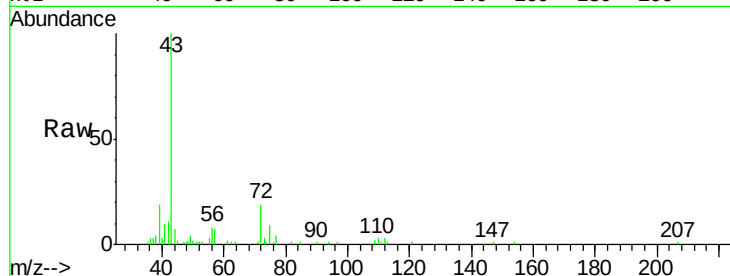
72 19.0 12.9 19.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.85 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059619.D

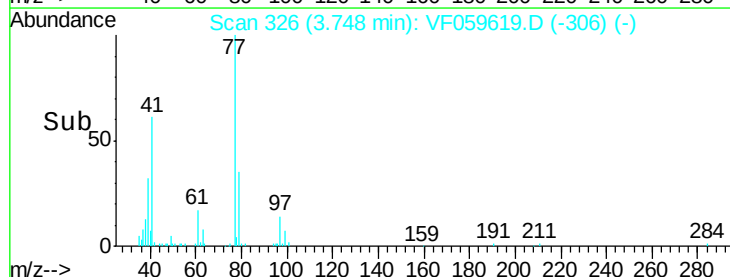
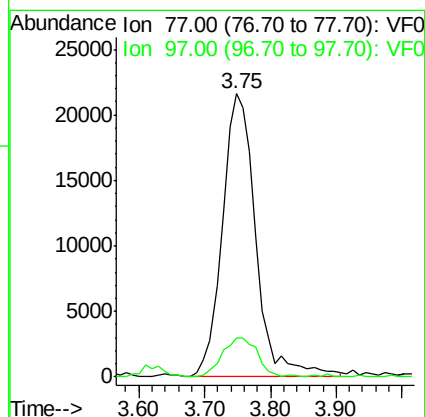
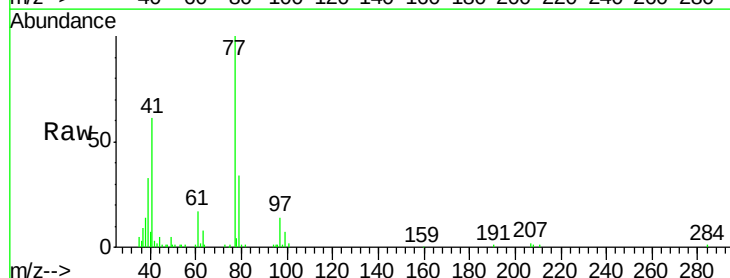
Acq: 23 Jul 2018 17:40

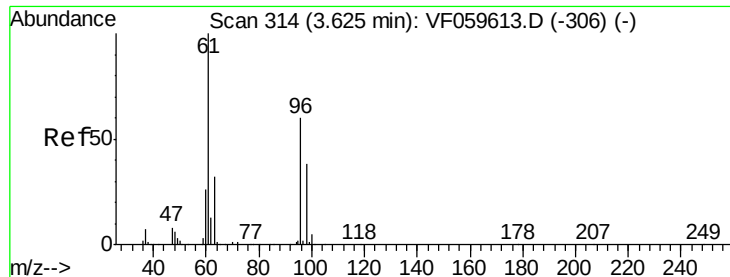
Tgt Ion: 77 Resp: 76588

Ion Ratio Lower Upper

77 100

97 13.6 7.1 21.3





#27

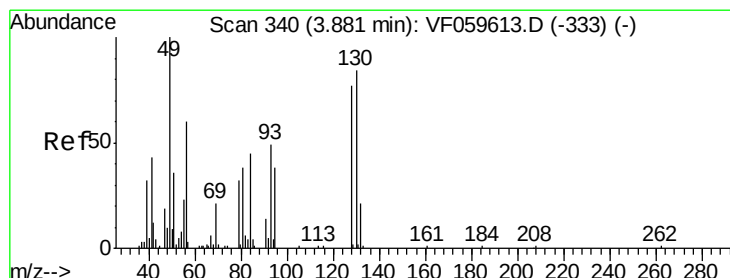
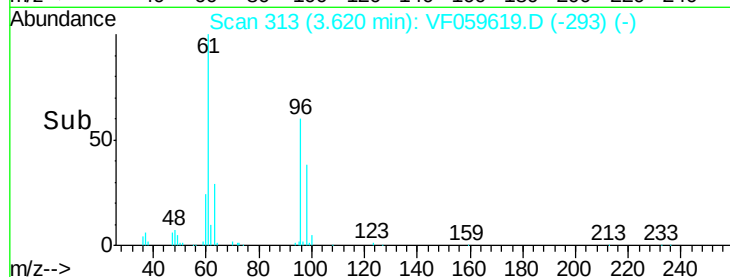
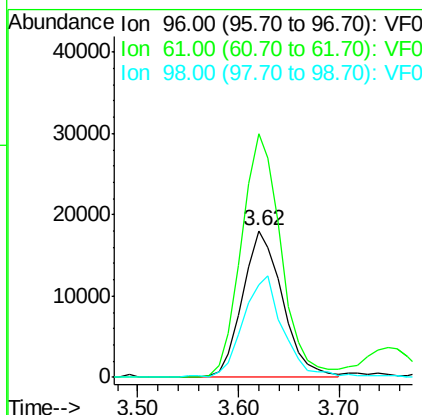
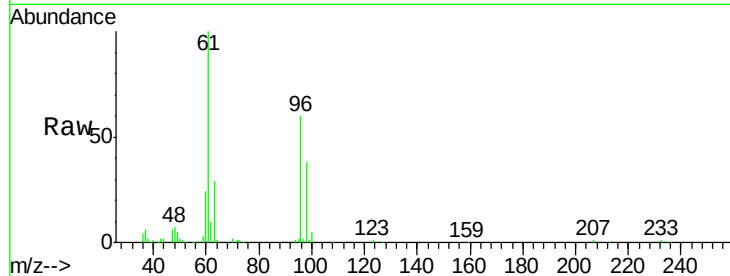
cis-1,2-Dichloroethene
Concen: 22.00 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	49908		
61	166.3	0.0	335.2	
98	63.5	0.0	126.6	

Manual Integrations
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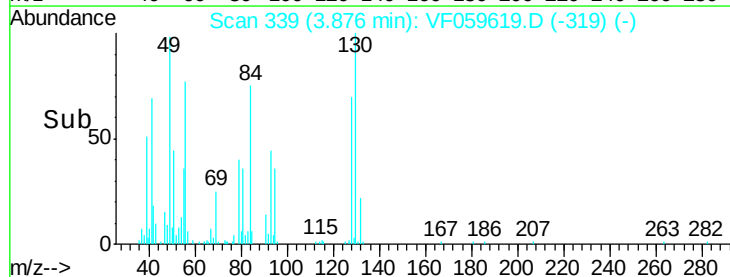
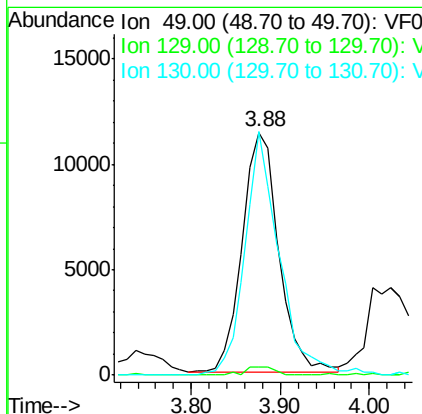
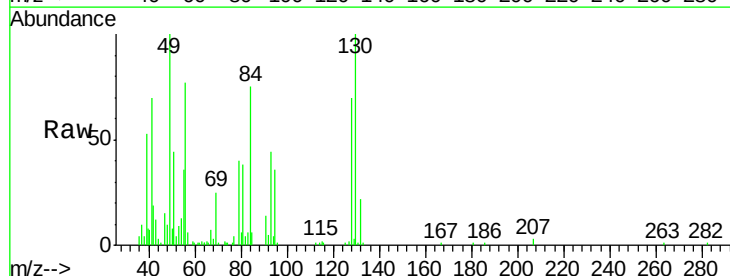
apatel
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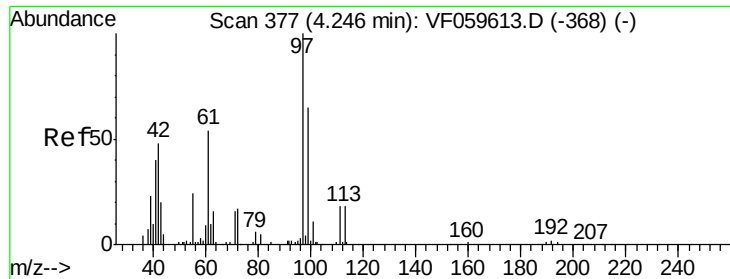


#28

Bromochloromethane
Concen: 19.17 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32259		
129	3.3	0.0	4.6	
130	100.4	67.1	100.7	





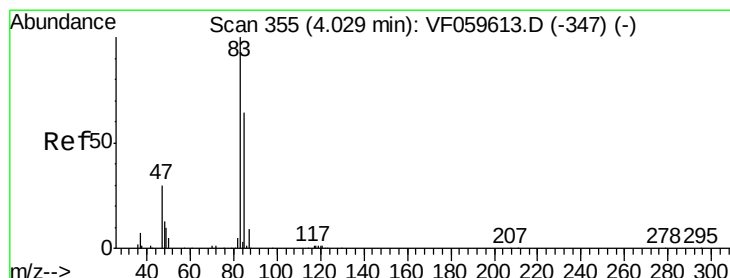
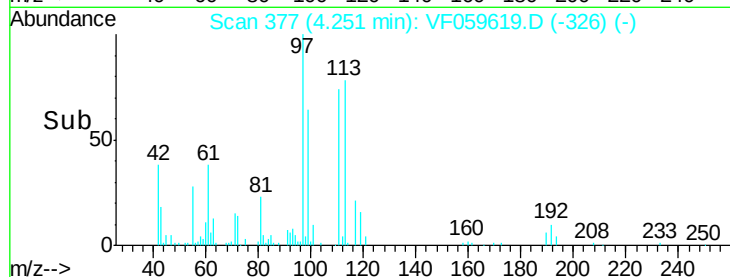
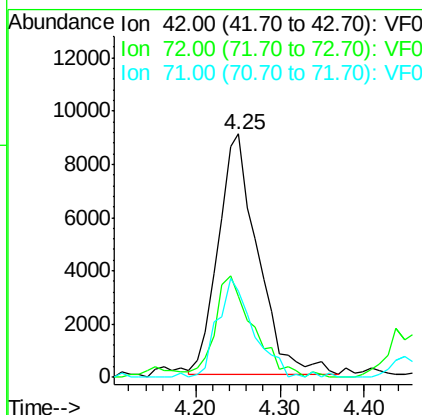
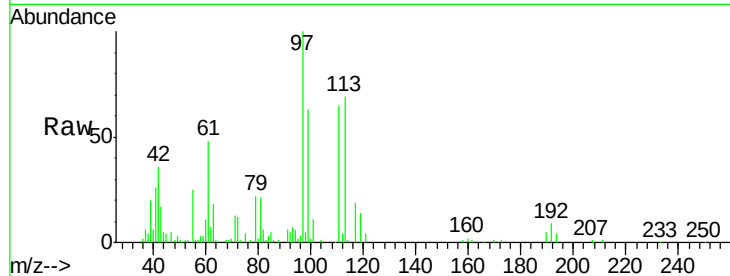
#29
Tetrahydrofuran
Concen: 95.73 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	27.9	41.9
71	37.3	29.3	43.9

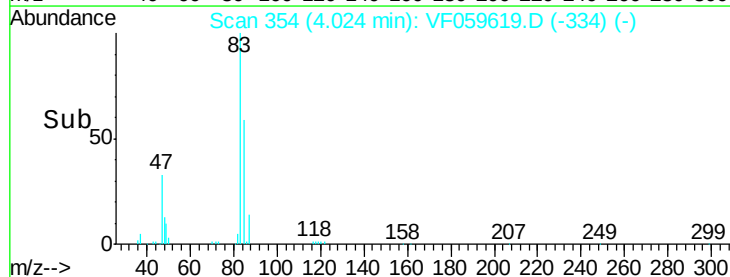
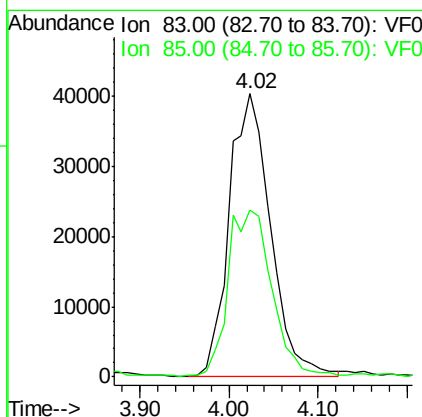
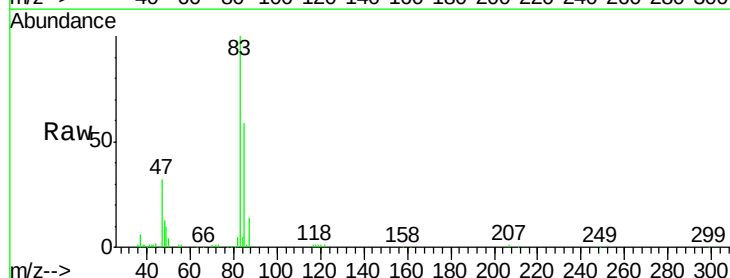
Manual Integrations
APPROVED

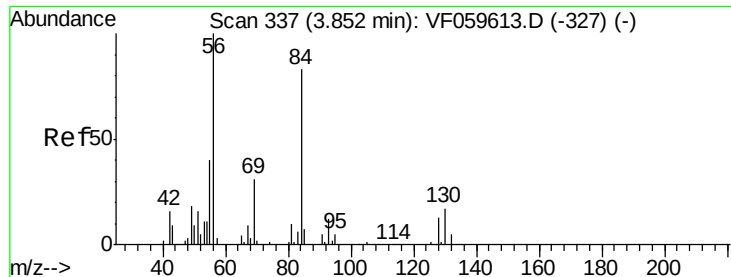
apatel
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#30
Chloroform
Concen: 20.82 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.1	51.1	76.7





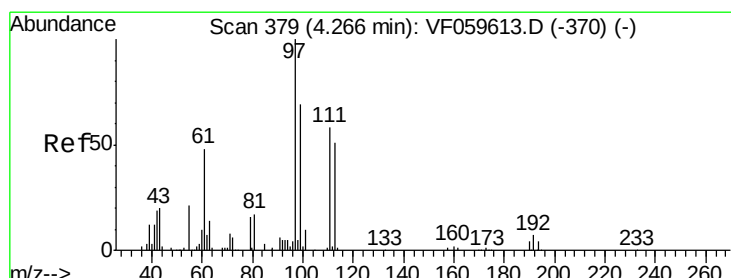
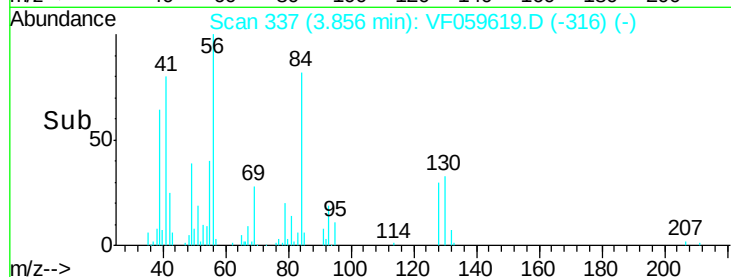
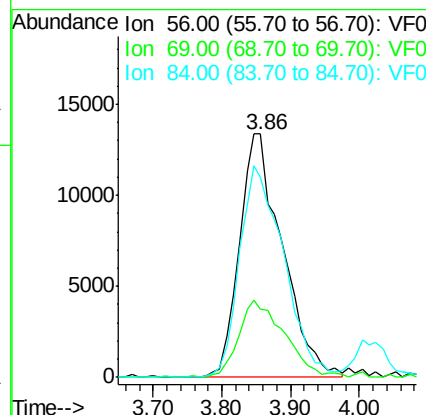
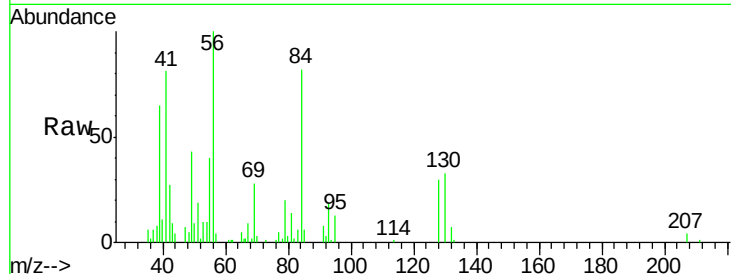
#31
Cyclohexane
Concen: 22.68 ug/l
RT: 3.86 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.6	37.0
84	82.4	66.6	99.8

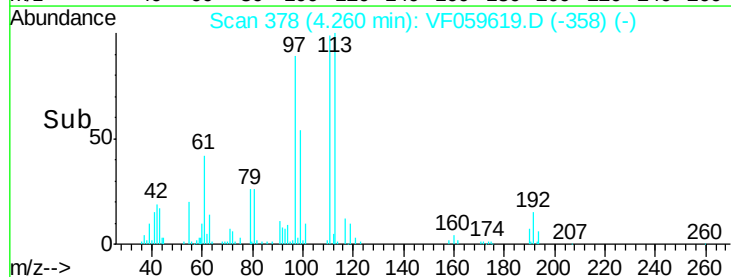
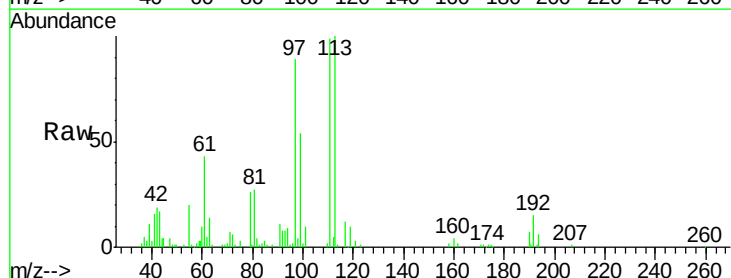
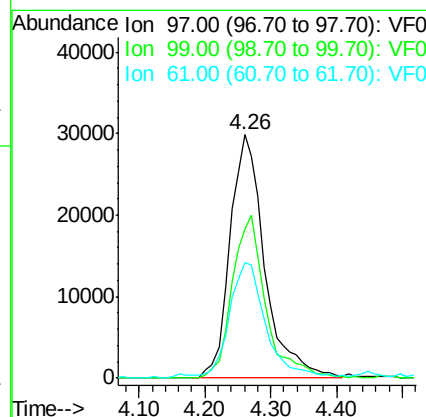
Manual Integrations
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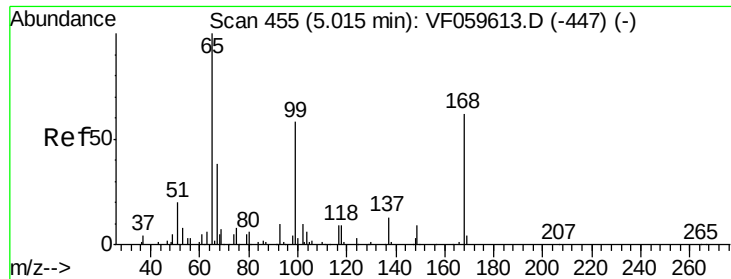
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#32
1,1,1-Trichloroethane
Concen: 19.38 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.9	55.4	83.2
61	47.7	39.3	58.9





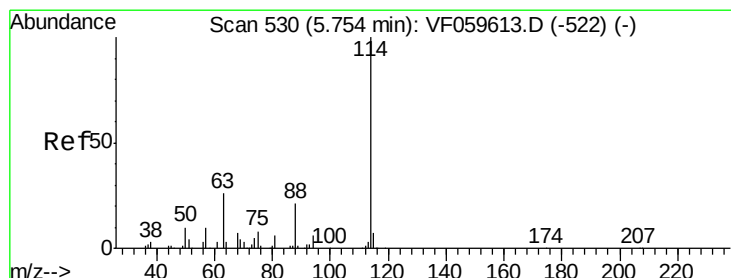
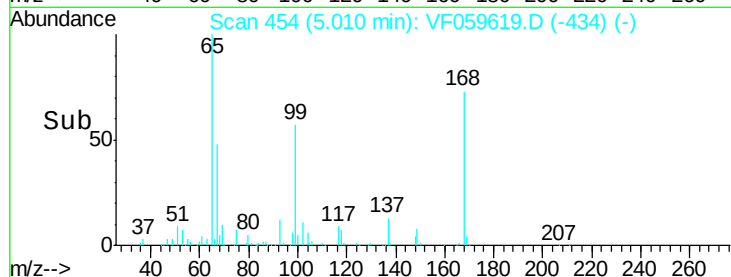
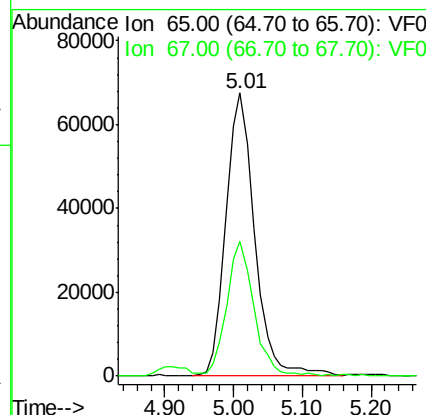
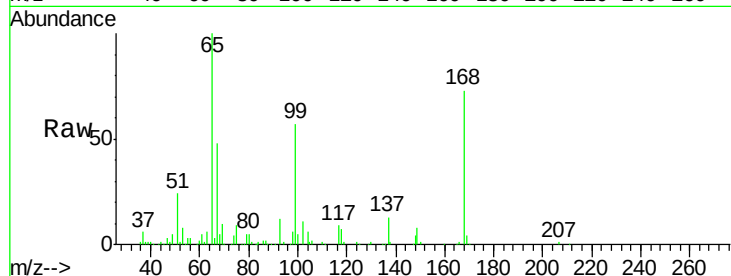
#33
 1,2-Dichloroethane-d4
 Concen: 45.41 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196257		
67	47.7	0.0	83.8	

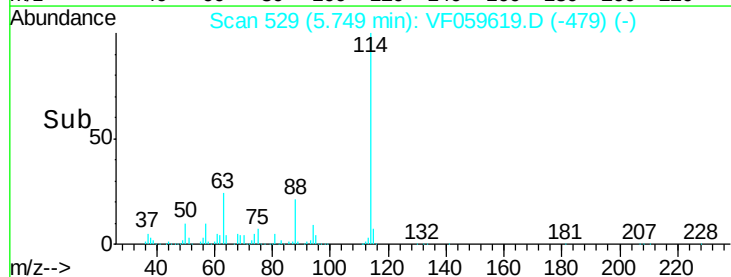
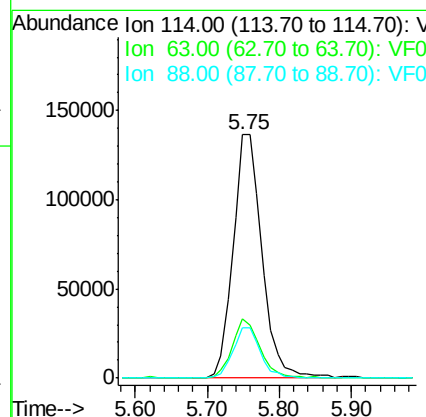
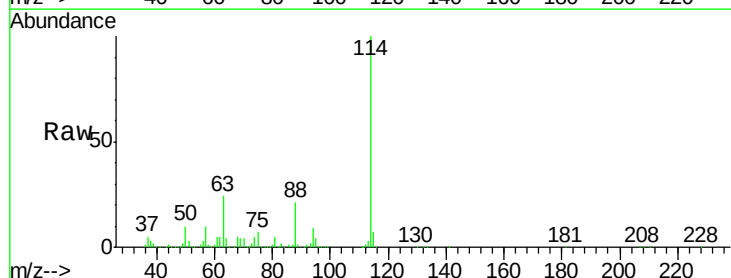
Manual Integrations
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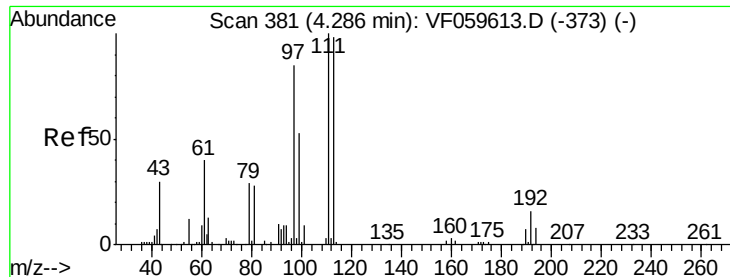
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	380693		
63	24.2	0.0	51.8	
88	20.6	0.0	42.8	





#35

Dibromofluoromethane

Concen: 49.86 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

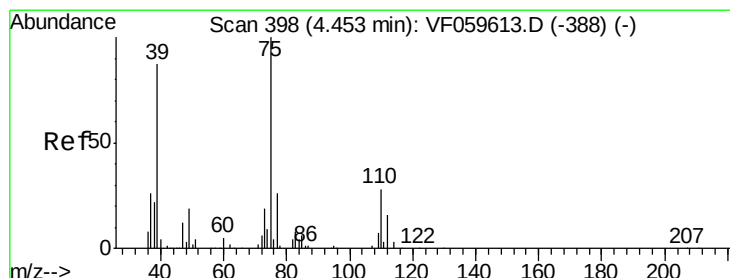
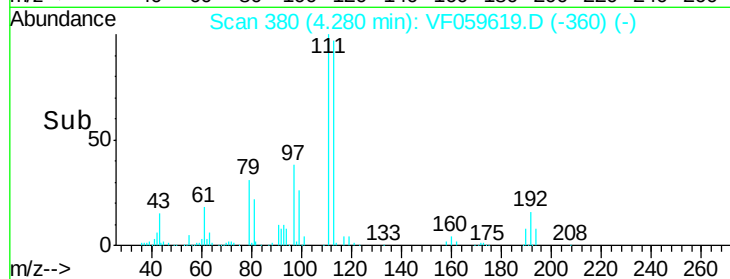
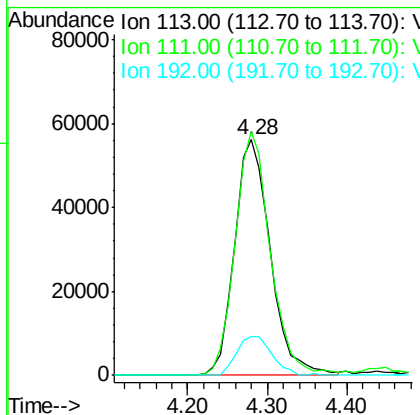
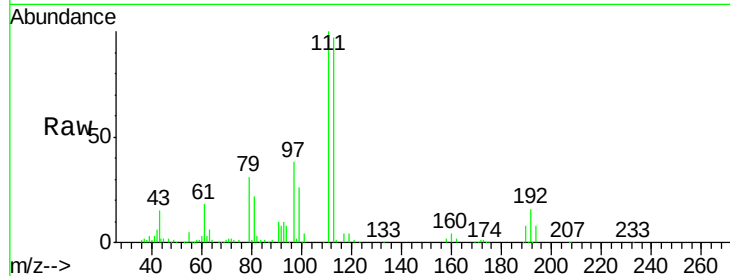
ClientSampleId :

VF0723SBS01

Tot Ion:	113	Resp:	175122
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.5	122.3
192	16.6	13.4	20.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.51 ug/l

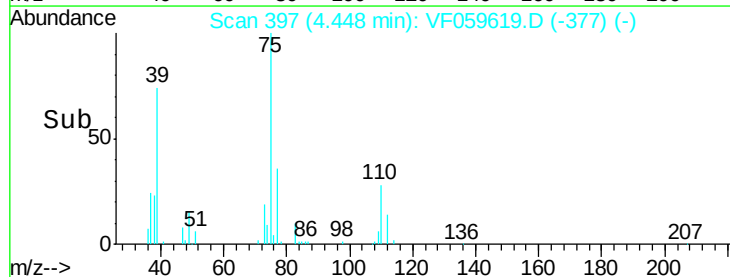
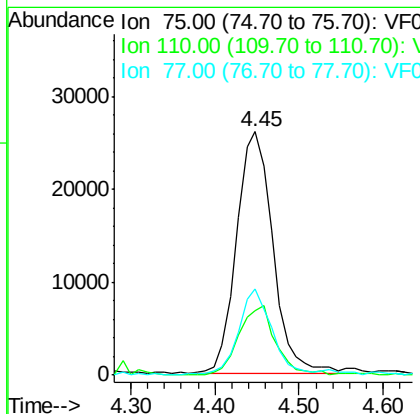
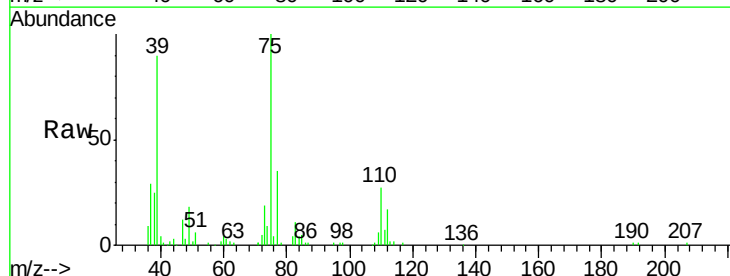
RT: 4.45 min Scan# 397

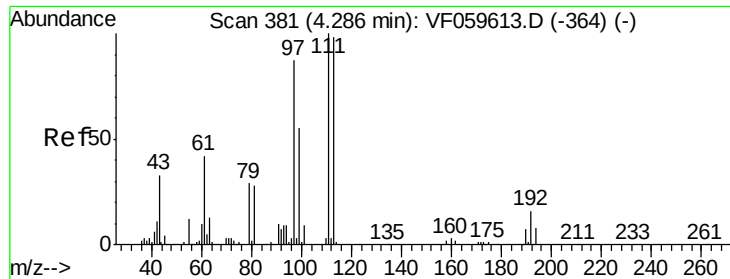
Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Tgt Ion:	75	Resp:	79086
Ion Ratio	Lower	Upper	
75	100		
110	26.5	14.2	42.6
77	35.2	20.3	30.5#





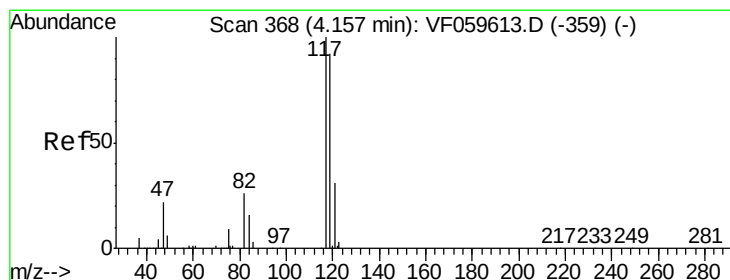
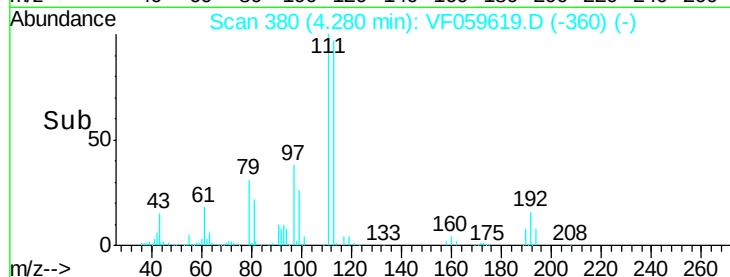
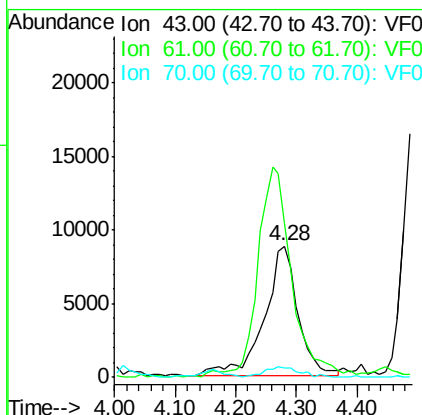
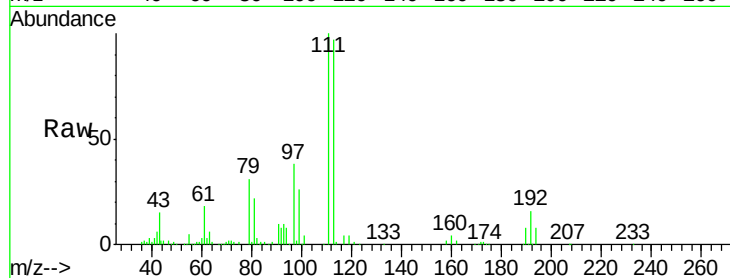
#37
Ethyl Acetate
Concen: 21.75 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	117.0	101.9	152.9
70	7.2	7.9	11.9#

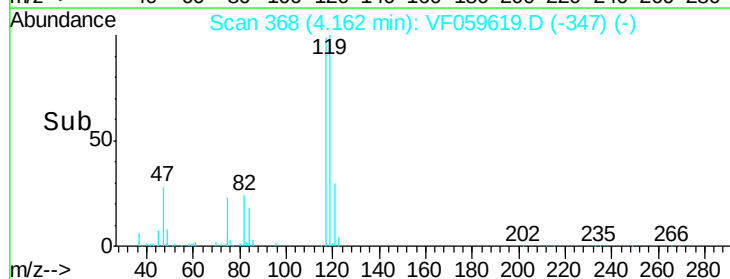
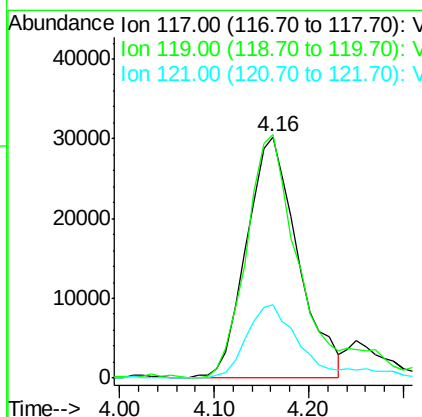
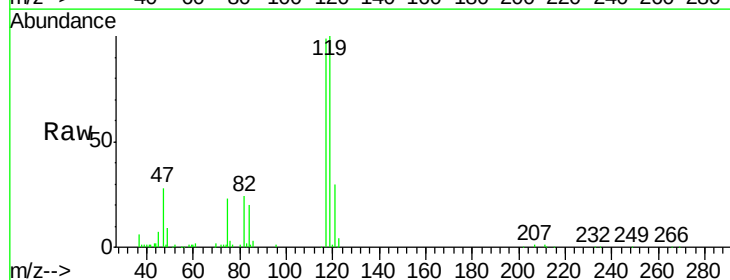
Manual Integrations
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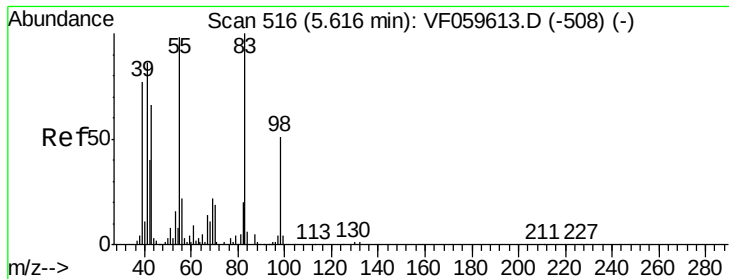
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#38
Carbon Tetrachloride
Concen: 19.12 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.9	74.2	111.4
121	30.4	24.7	37.1





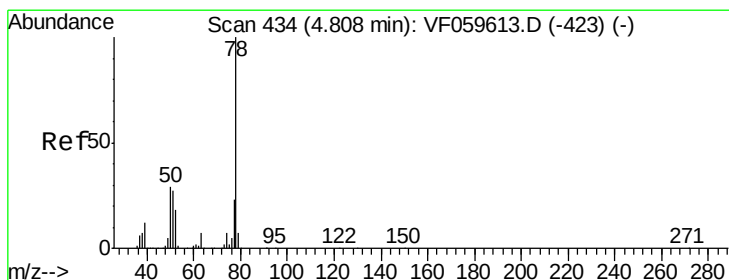
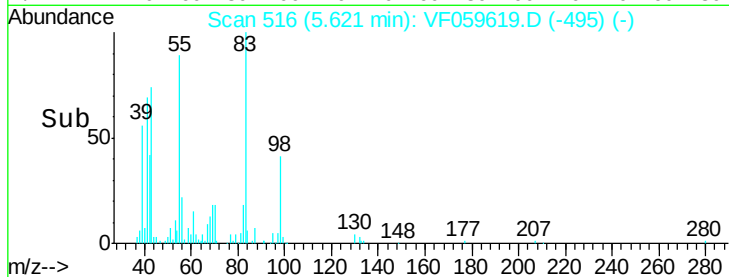
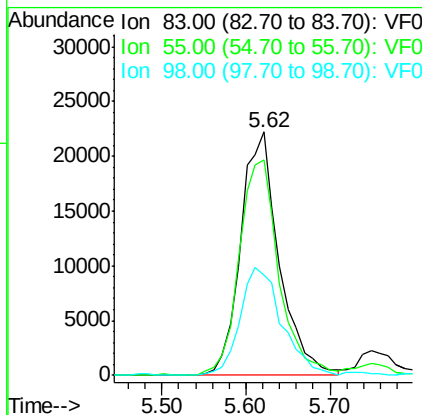
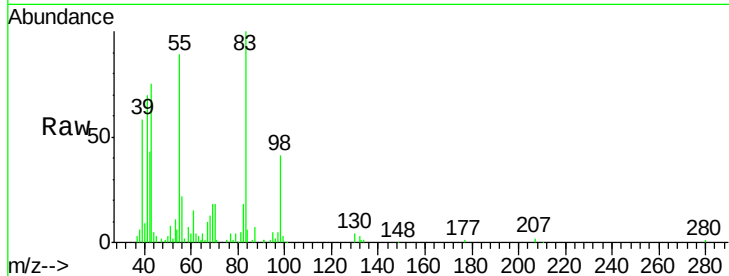
#39
Methylvlcyclohexane
Concen: 22.64 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.5	78.5	117.7
98	41.0	41.1	61.7#

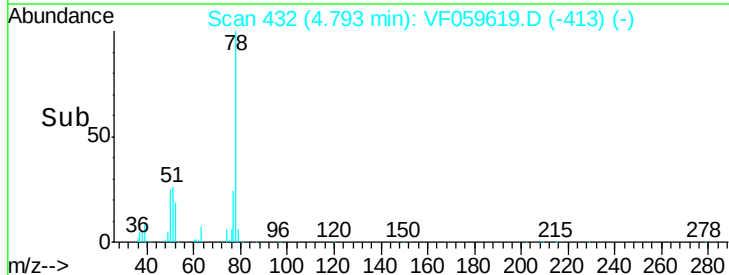
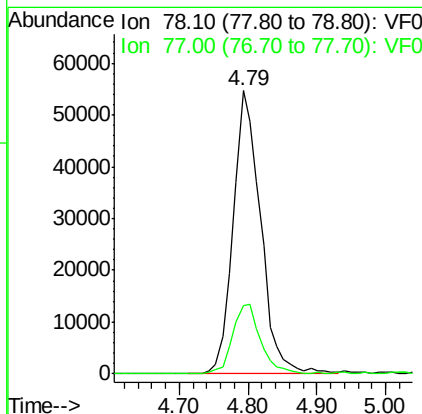
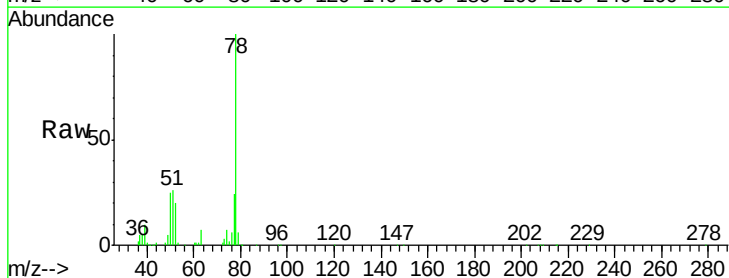
Manual Integrations
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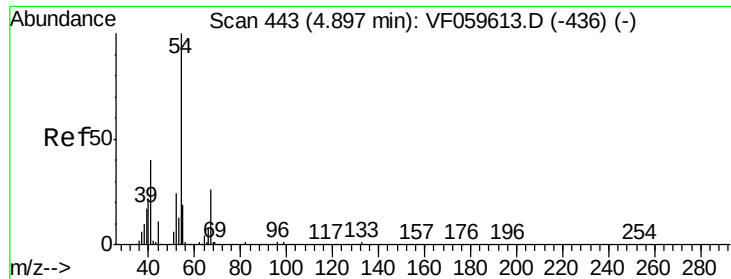
apatel
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#40
Benzene
Concen: 21.43 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.02 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.4	27.6





#41

Methacrylonitrile

Concen: 19.96 ug/l

RT: 4.91 min Scan# 444

Delta R.T. 0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 41 Resp: 15858

Ion Ratio Lower Upper

41 100

39 79.6 58.2 87.4

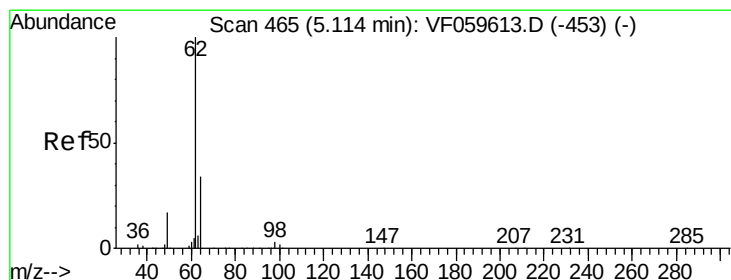
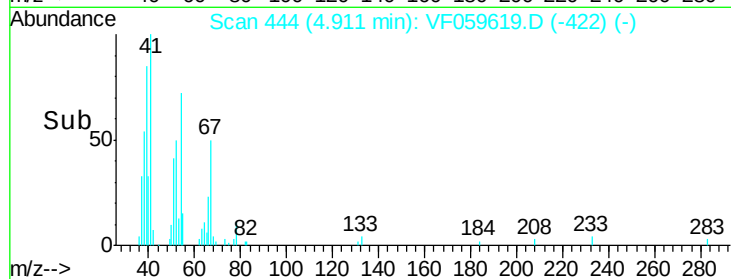
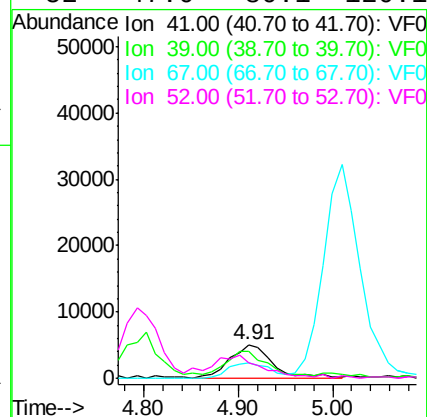
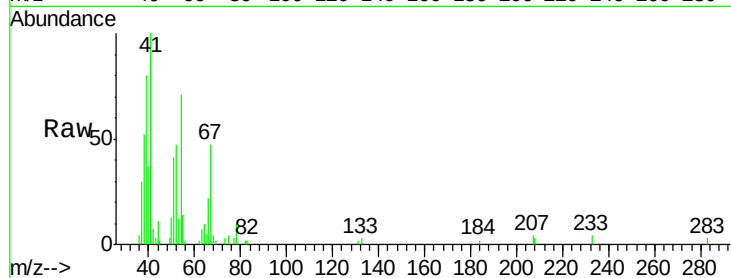
67 46.8 51.0 76.6#

52 47.0 80.1 120.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.13 ug/l

RT: 5.11 min Scan# 464

Delta R.T. -0.01 min

Lab File: VF059619.D

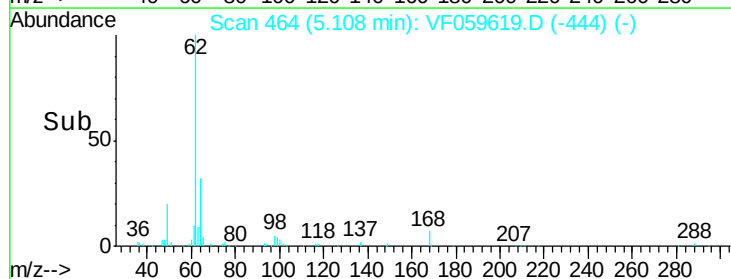
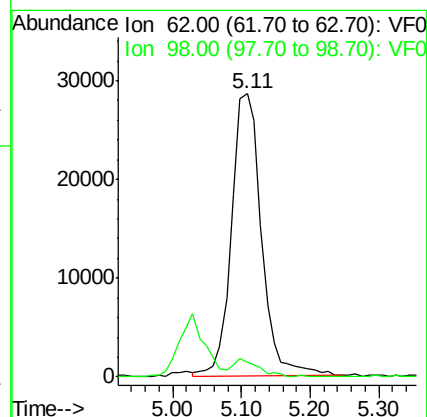
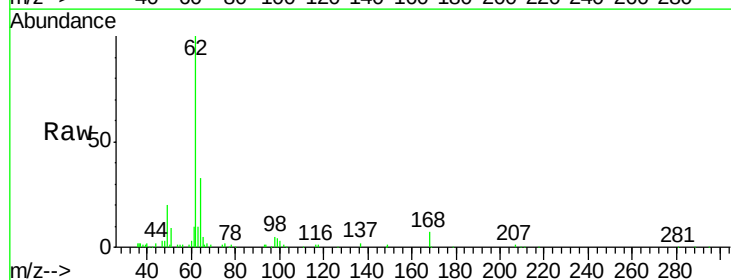
Acq: 23 Jul 2018 17:40

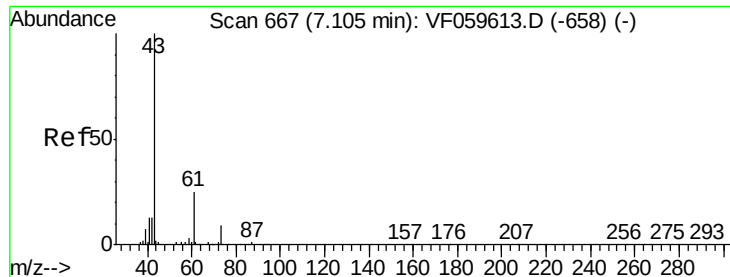
Tgt Ion: 62 Resp: 86250

Ion Ratio Lower Upper

62 100

98 5.0 0.0 8.4





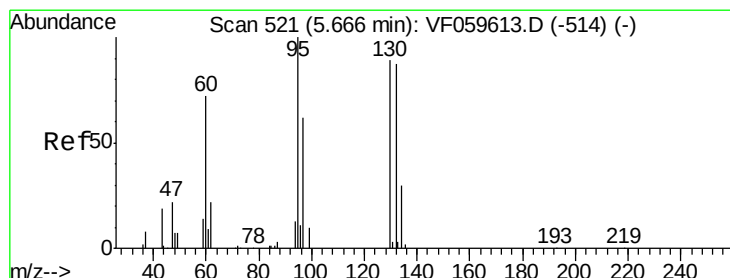
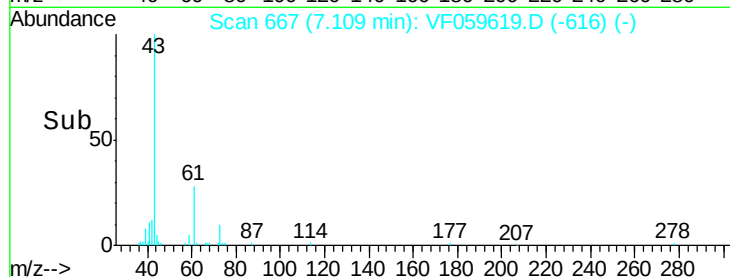
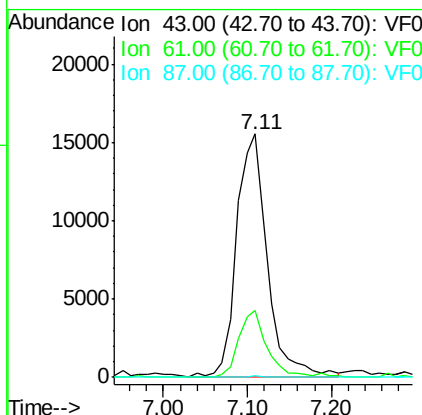
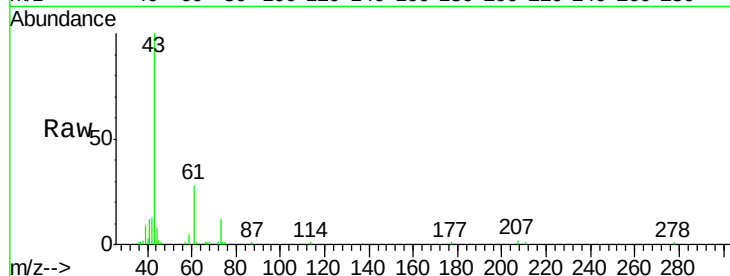
#43
Isopropyl Acetate
Concen: 19.97 ug/l
RT: 7.11 min Scan# 667
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	20.1	30.1
87	0.8	0.5	0.7

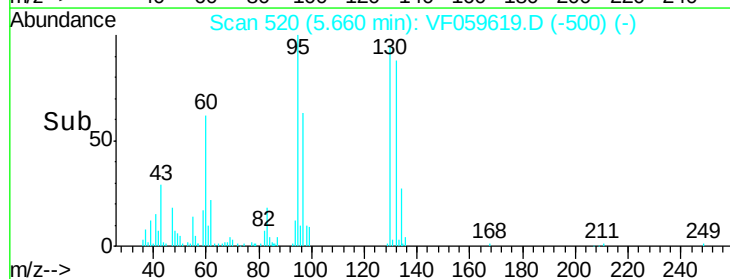
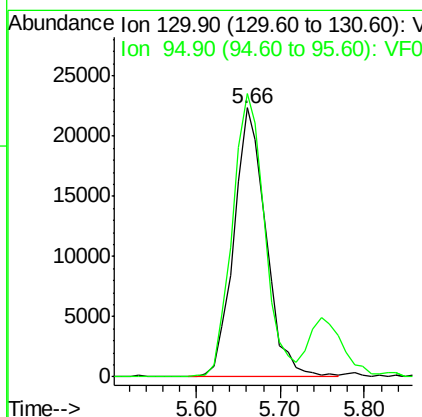
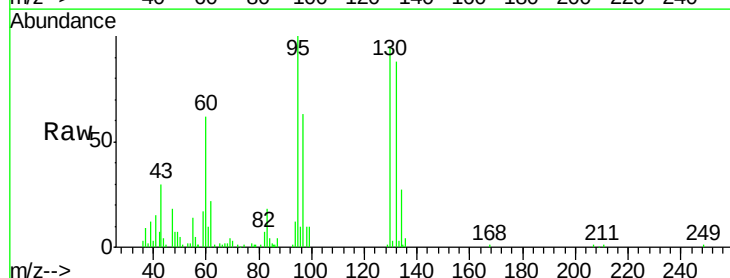
Manual Integrations
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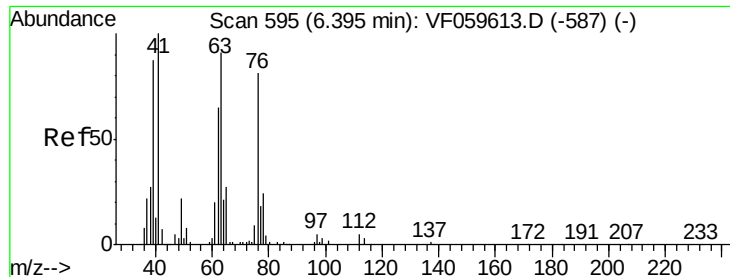
apatel
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#44
Trichloroethene
Concen: 21.82 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	226.4





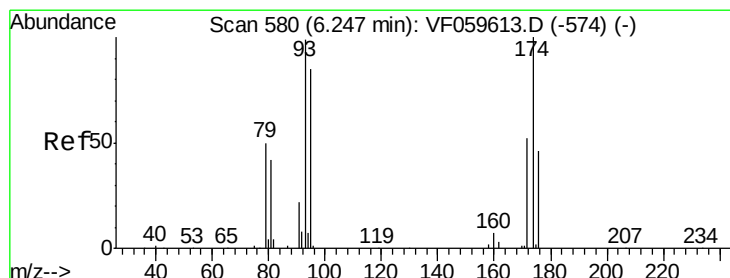
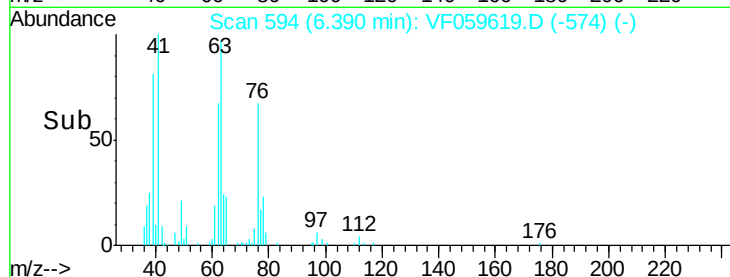
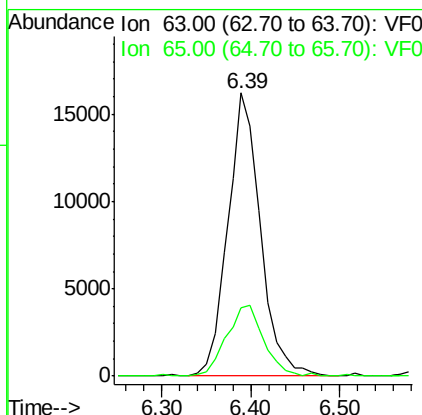
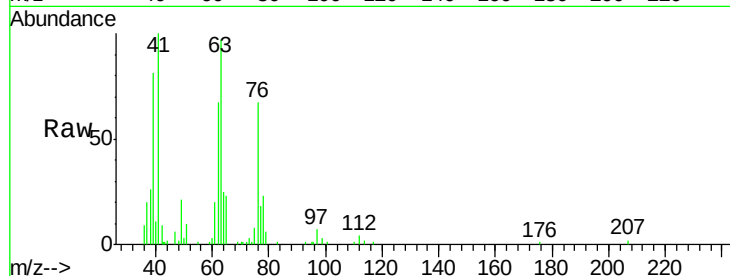
#45
 1,2-Dichloropropane
 Concen: 21.75 ug/l
 RT: 6.39 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion: 63 Resp: 41479
 Ion Ratio Lower Upper
 63 100
 65 24.0 23.4 35.0

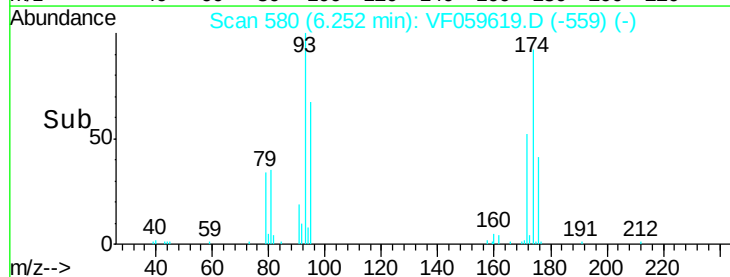
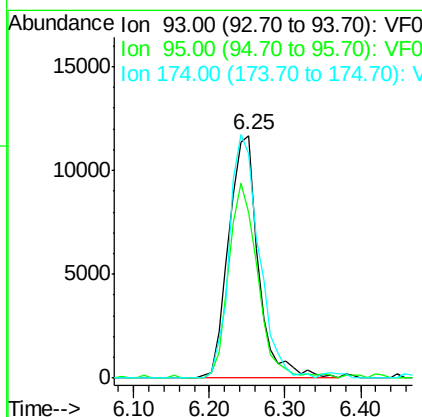
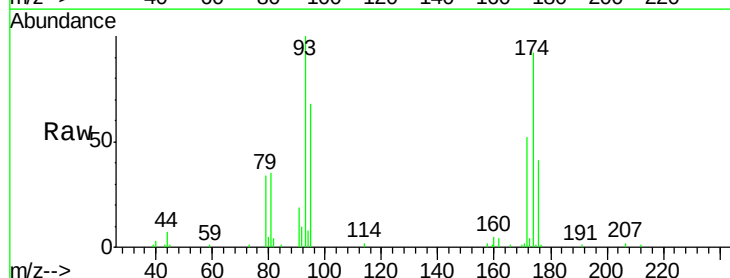
Manual Integrations
 APPROVED

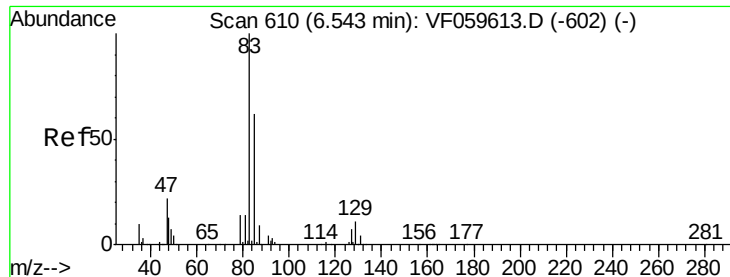
apatel
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#46
 Dibromomethane
 Concen: 20.04 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion: 93 Resp: 31665
 Ion Ratio Lower Upper
 93 100
 95 68.1 68.6 102.8#
 174 92.4 80.8 121.2





#47

Bromodichloromethane

Concen: 20.00 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

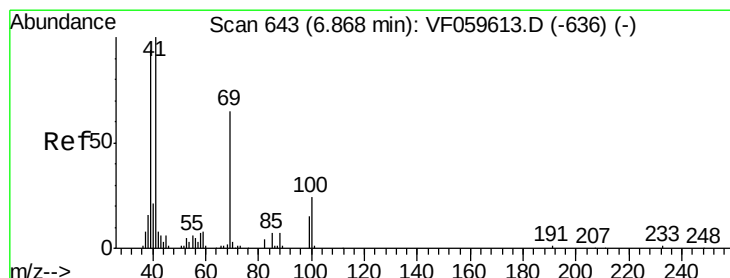
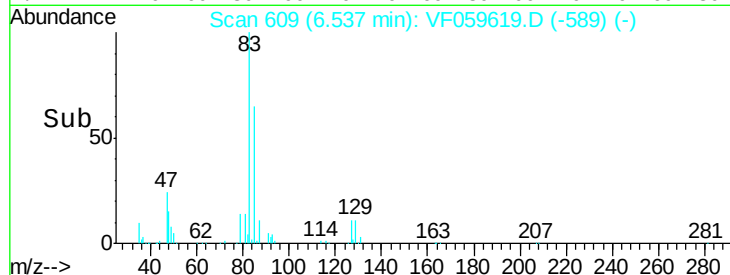
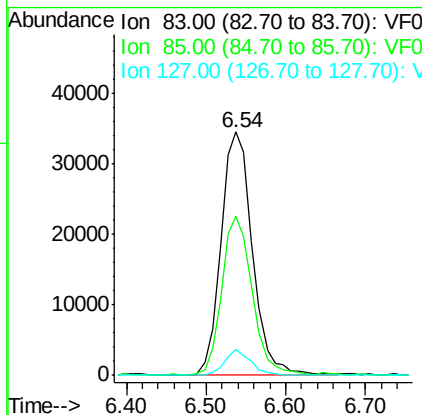
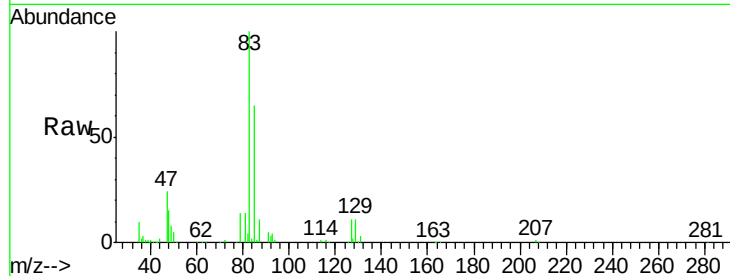
VF0723SBS01

Tot Ion:	83	Resp:	95910
Ion Ratio	Lower	Upper	
83	100		
85	65.3	49.4	74.0
127	12.4	5.9	8.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.09 ug/l

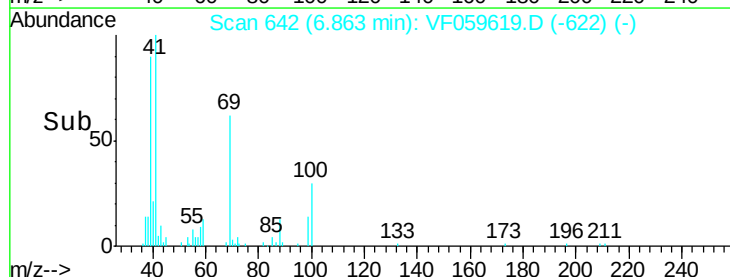
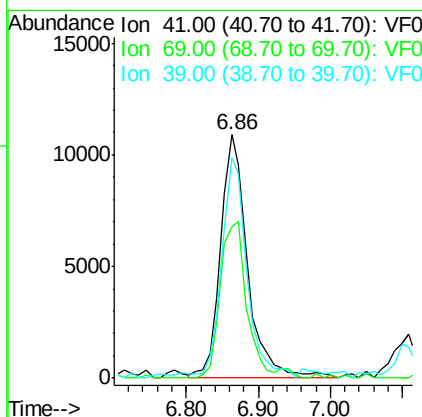
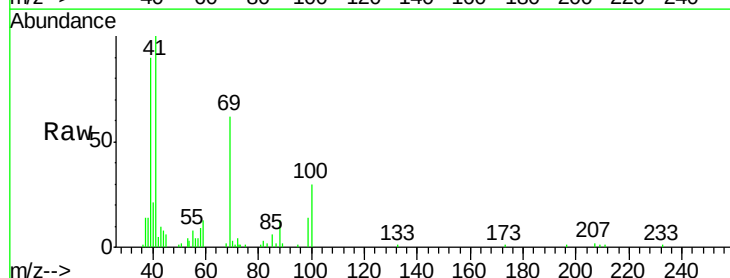
RT: 6.86 min Scan# 642

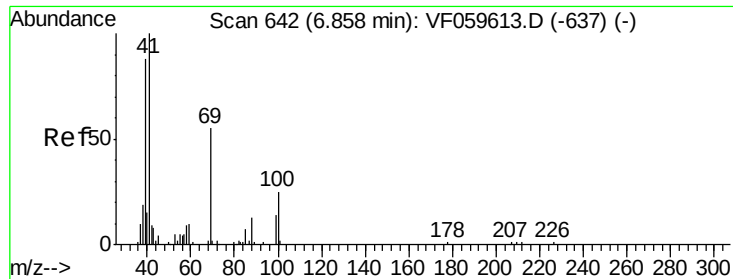
Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Tgt Ion:	41	Resp:	28276
Ion Ratio	Lower	Upper	
41	100		
69	62.5	51.6	77.4
39	90.4	76.3	114.5





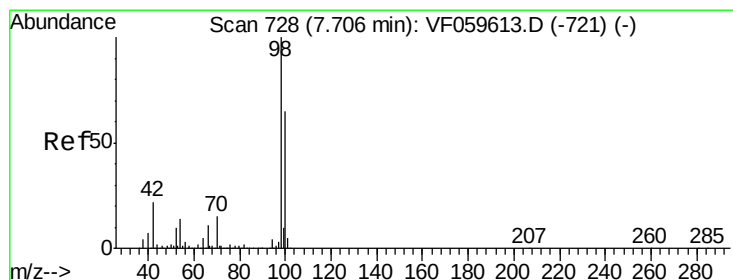
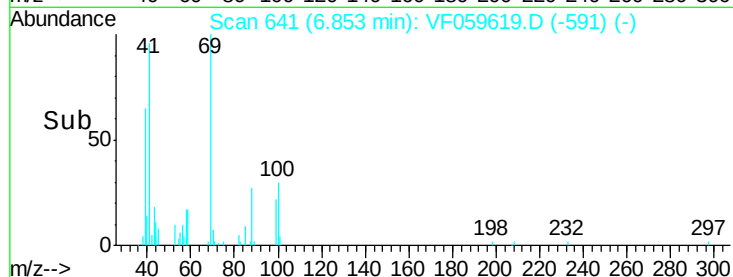
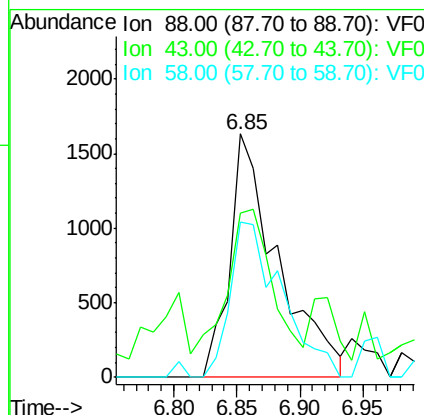
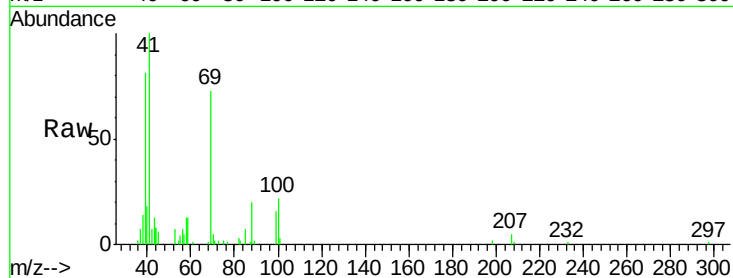
#49
1,4-Dioxane
Concen: 451.39 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	88	Resp	4282
Ion	Ratio	Lower	Upper
88	100		
43	67.6	54.2	81.4
58	63.7	54.3	81.5

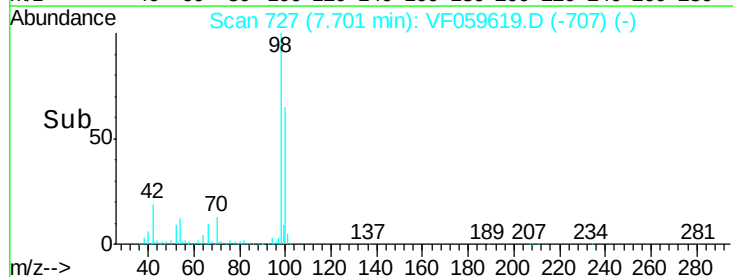
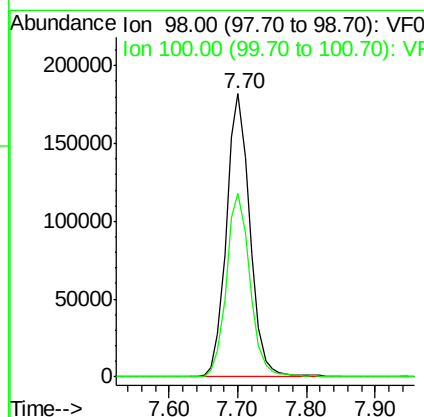
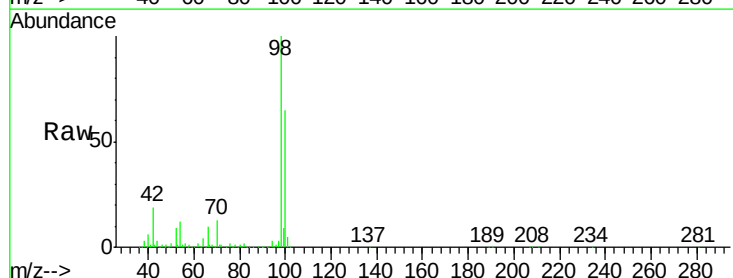
Manual Integrations
APPROVED

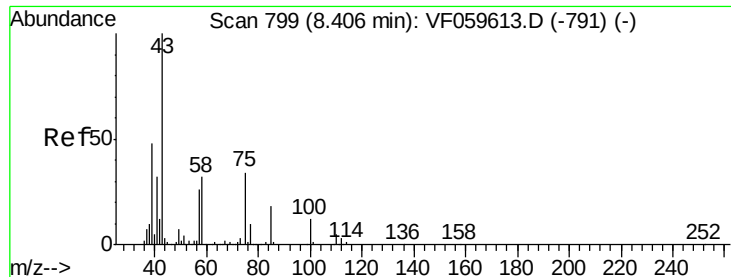
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#50
Toluene-d8
Concen: 48.99 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	98	Resp	430852
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 103.30 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 43 Resp: 149060

Ion Ratio Lower Upper

43 100

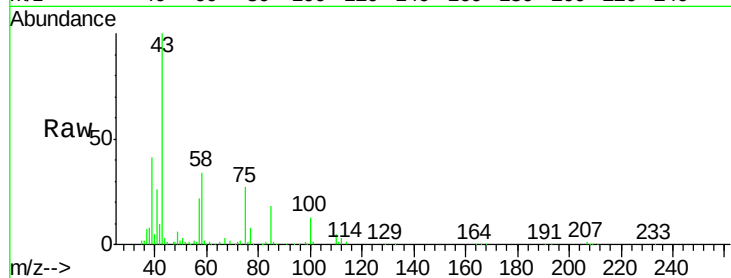
58 34.3 25.8 38.6

Manual Integrations

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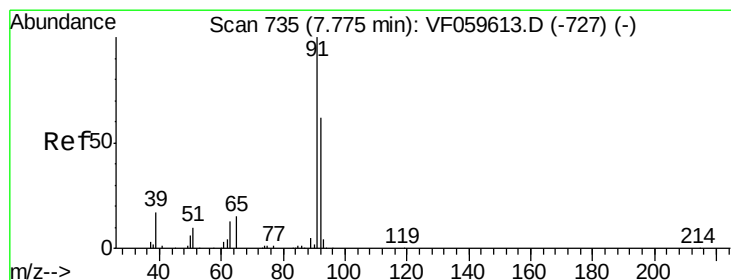
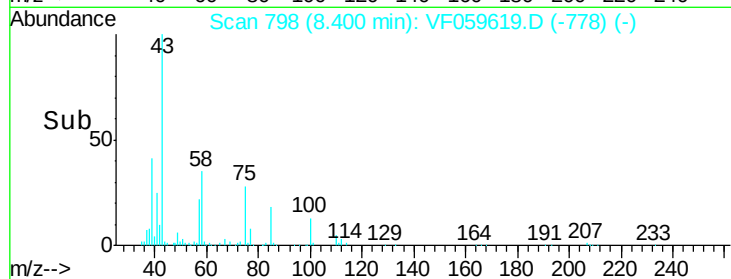
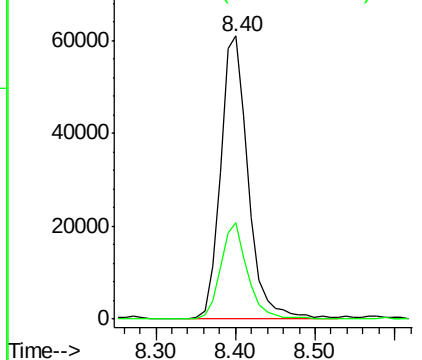
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.35 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059619.D

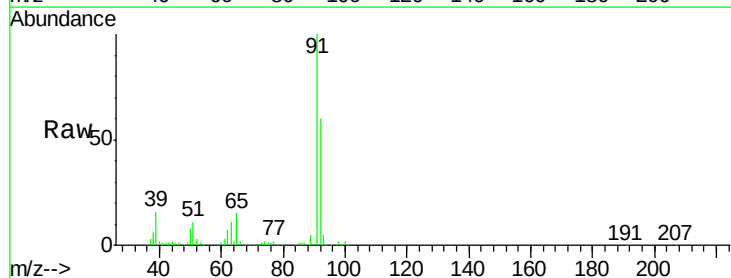
Acq: 23 Jul 2018 17:40

Tgt Ion: 92 Resp: 109179

Ion Ratio Lower Upper

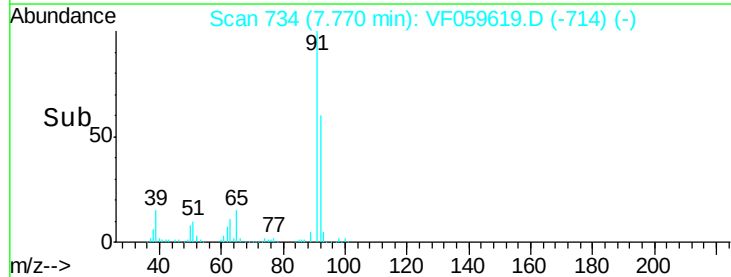
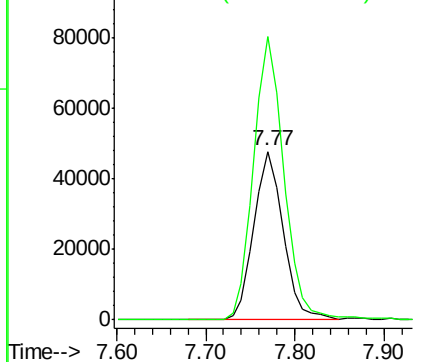
92 100

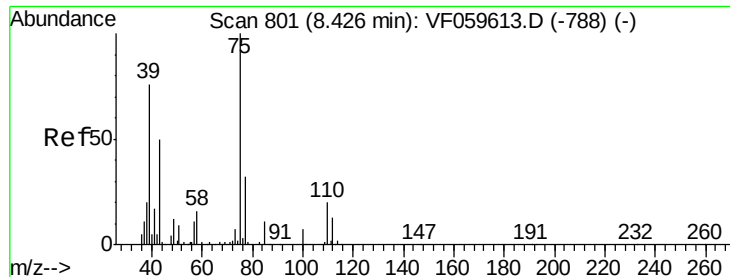
91 167.9 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 19.72 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 75 Resp: 79947

Ion Ratio Lower Upper

75 100

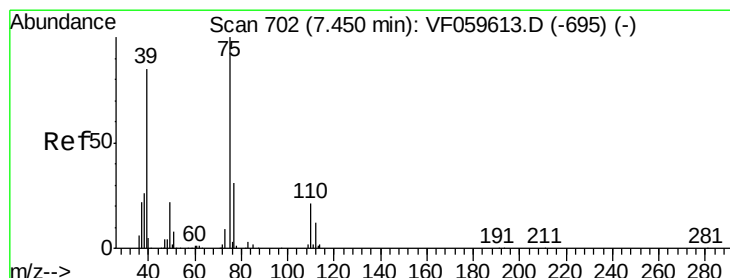
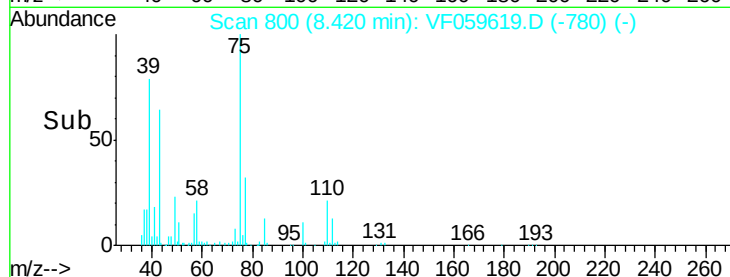
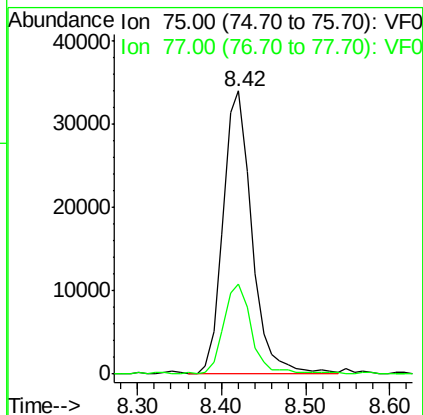
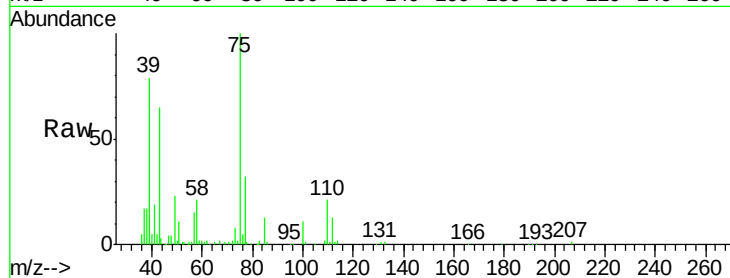
77 31.6 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.93 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

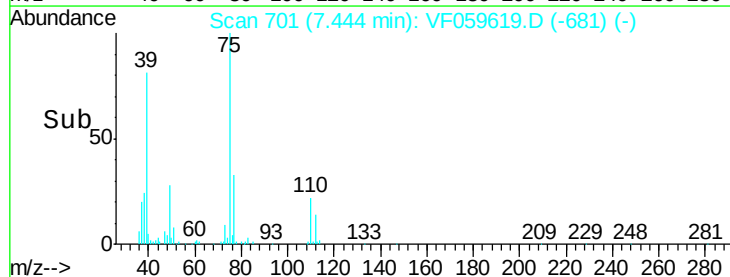
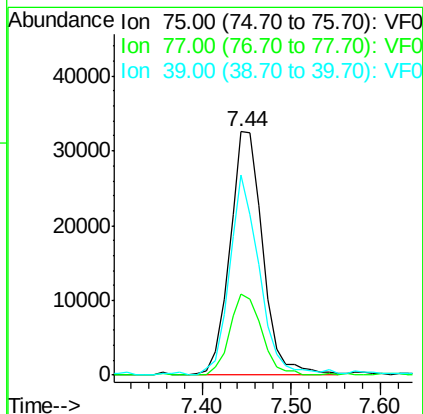
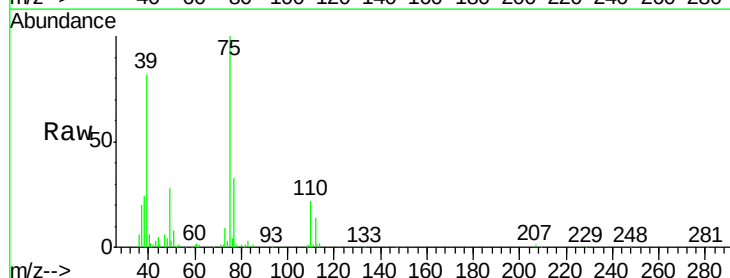
Tgt Ion: 75 Resp: 84091

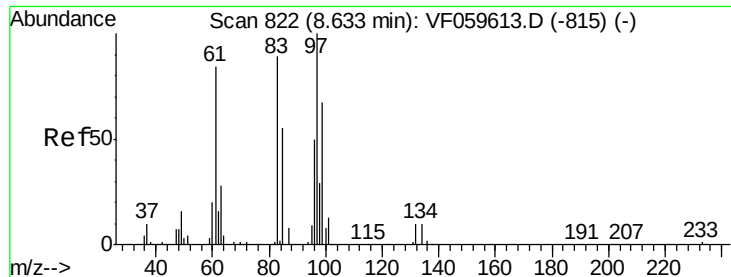
Ion Ratio Lower Upper

75 100

77 33.2 24.6 37.0

39 82.1 67.8 101.6





#55

1,1,2-Trichloroethane

Concen: 19.19 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

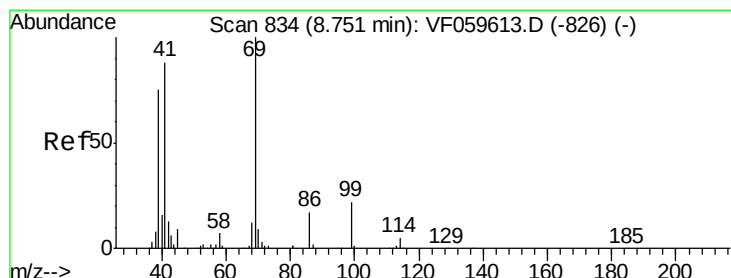
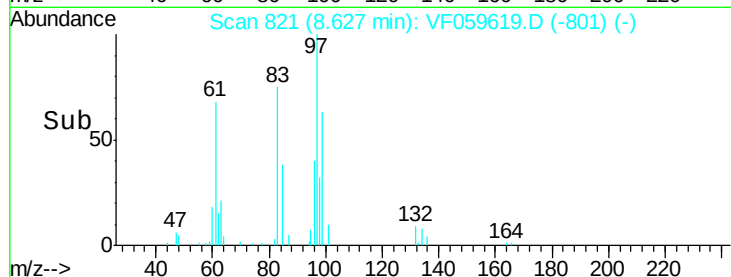
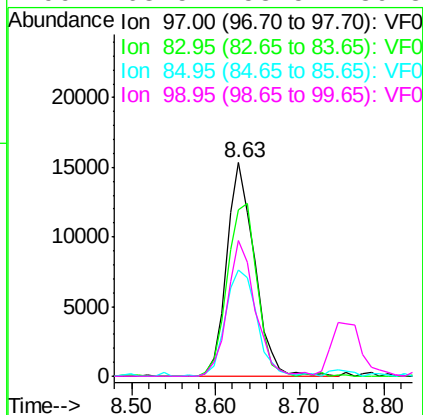
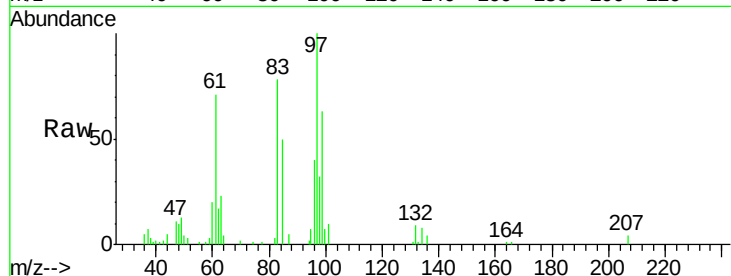
VF0723SBS01

Tot Ion:	97	Resp:	35219
Ion	Ratio	Lower	Upper
97	100		
83	78.1	71.8	107.6
85	49.6	43.9	65.9
99	63.5	53.5	80.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.48 ug/l

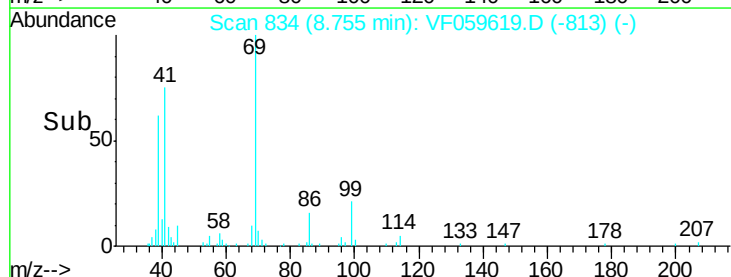
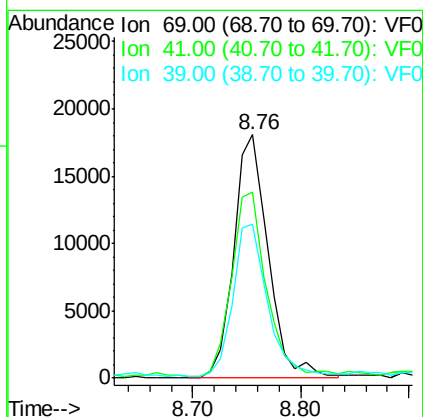
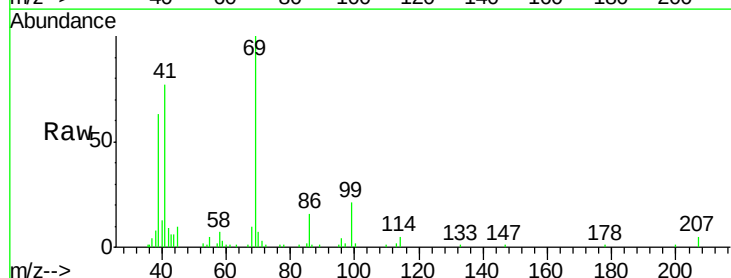
RT: 8.76 min Scan# 834

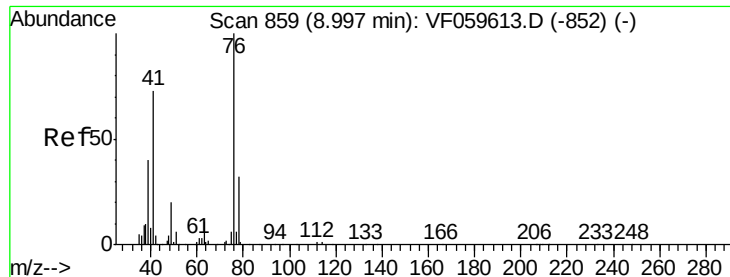
Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Tgt Ion:	69	Resp:	39799
Ion	Ratio	Lower	Upper
69	100		
41	76.6	70.8	106.2
39	63.5	60.7	91.1





#57

1,3-Dichloropropane

Concen: 20.69 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 76 Resp: 66086

Ion Ratio Lower Upper

76 100

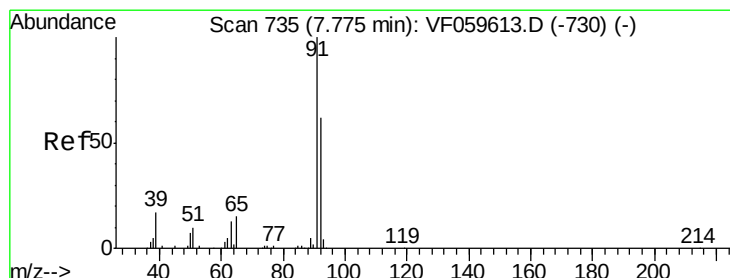
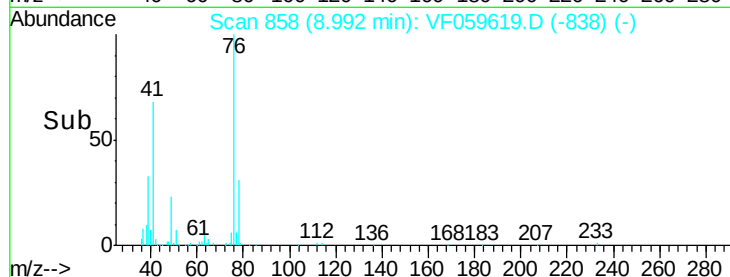
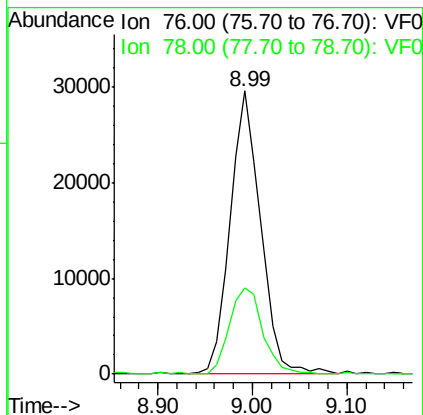
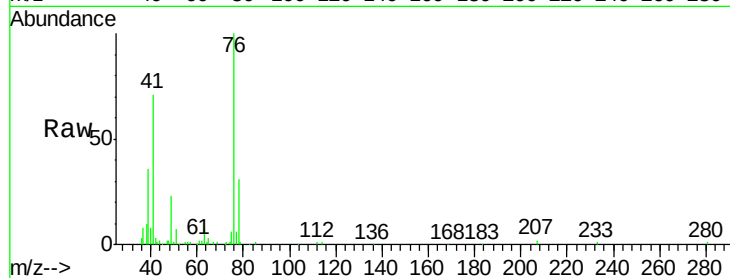
78 30.6 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.63 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.02 min

Lab File: VF059619.D

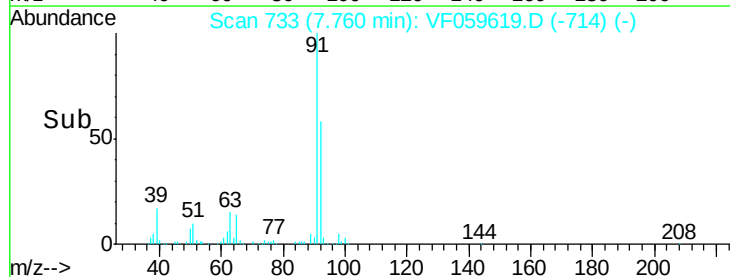
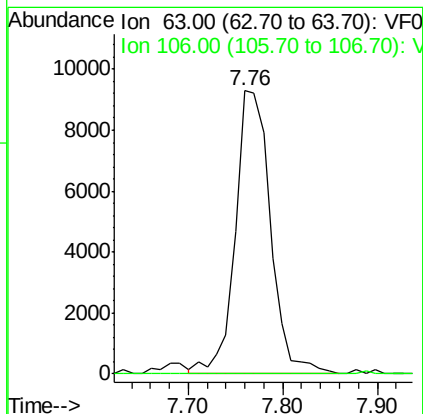
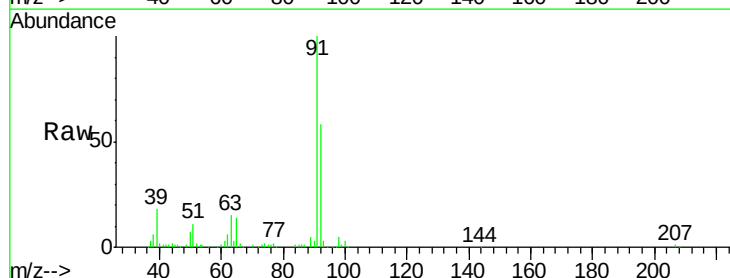
Acq: 23 Jul 2018 17:40

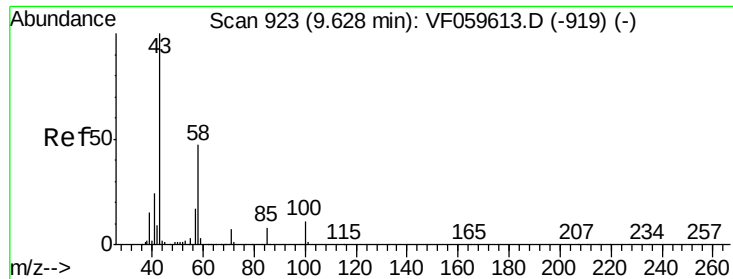
Tgt Ion: 63 Resp: 24026

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





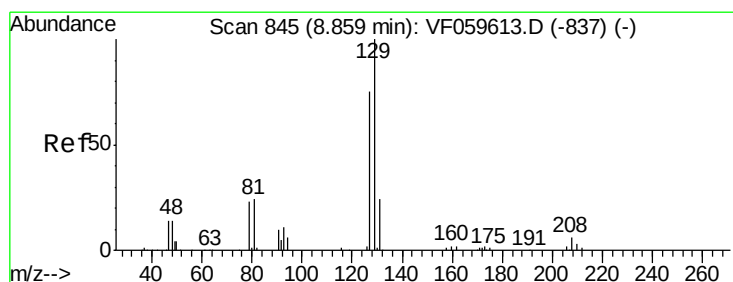
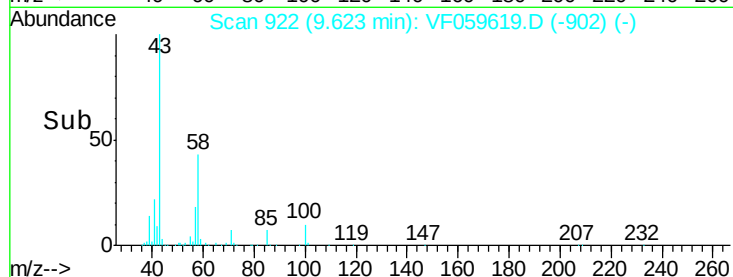
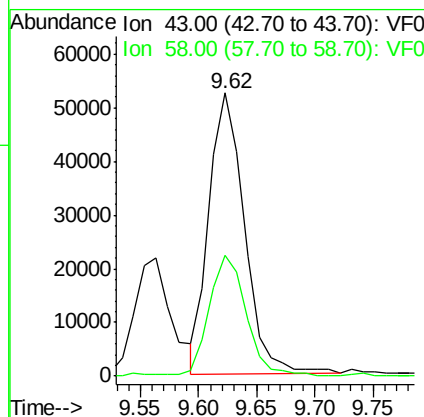
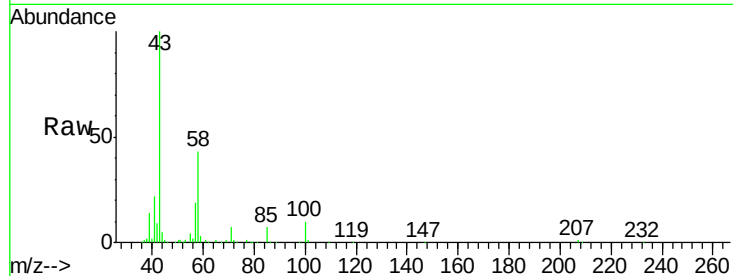
#59
2-Hexanone
Concen: 94.63 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion: 43 Resp: 110820
Ion Ratio Lower Upper
43 100
58 42.5 21.1 63.4

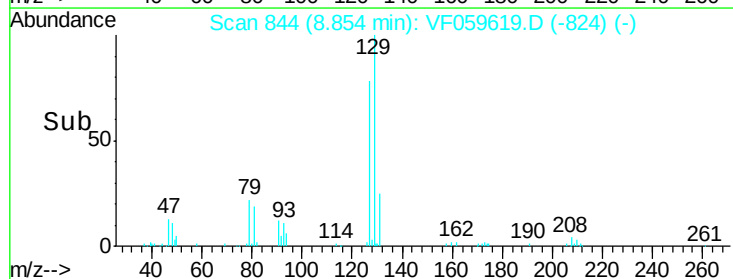
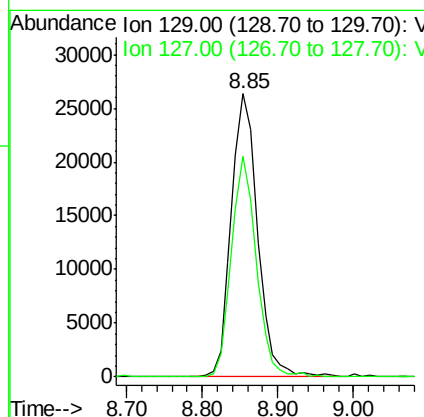
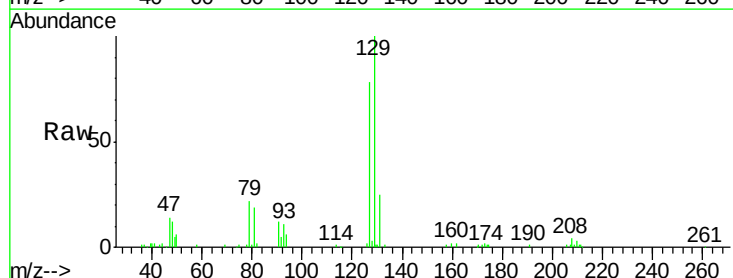
Manual Integrations
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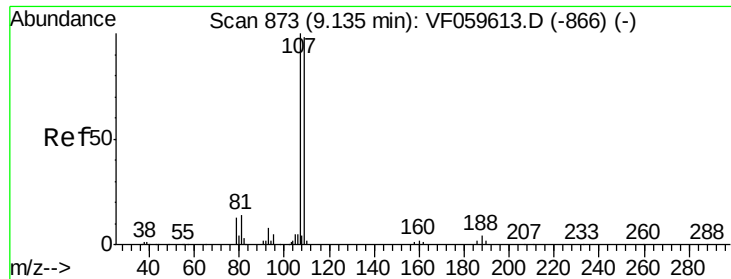
apatel
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#60
Dibromochloromethane
Concen: 19.44 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion: 129 Resp: 63544
Ion Ratio Lower Upper
129 100
127 77.3 37.5 112.7





#61

1,2-Dibromoethane

Concen: 20.81 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion:107 Resp: 43782

Ion Ratio Lower Upper

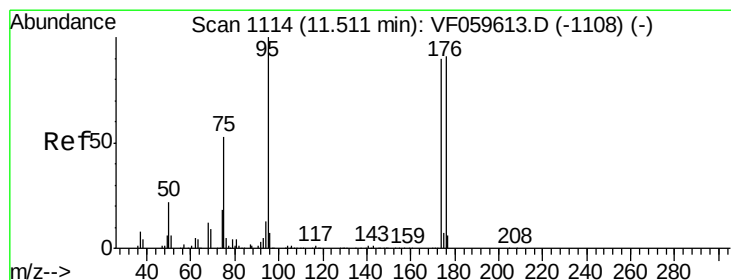
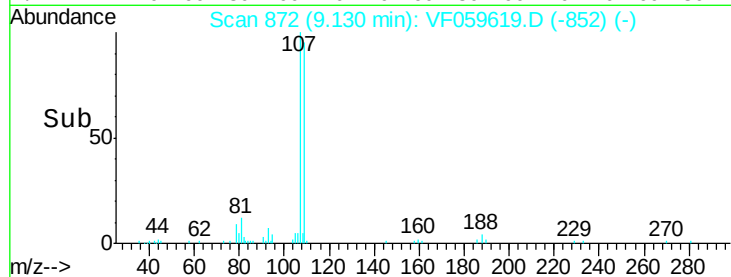
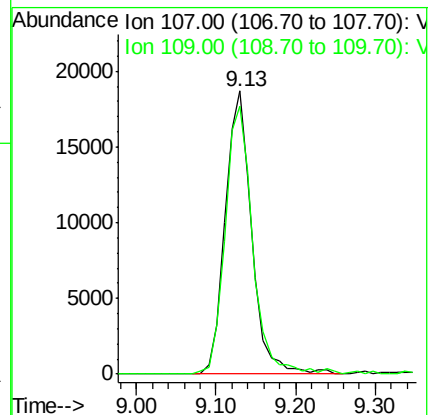
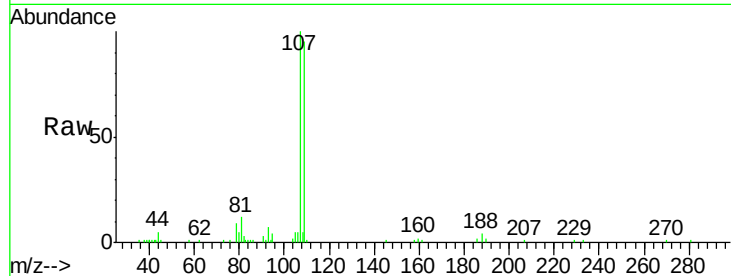
107 100

109 94.7 78.2 117.4

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#62

4-Bromofluorobenzene

Concen: 44.87 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

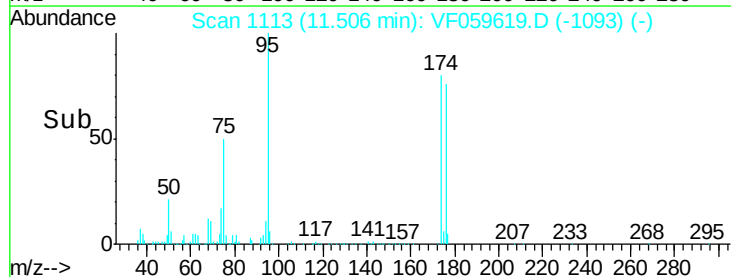
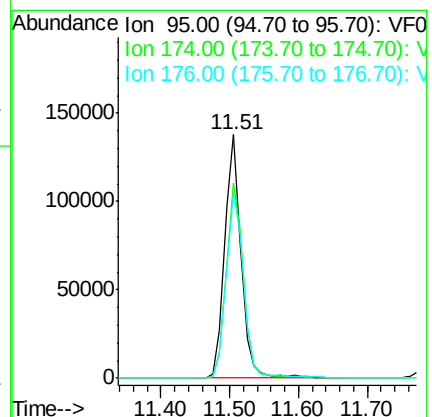
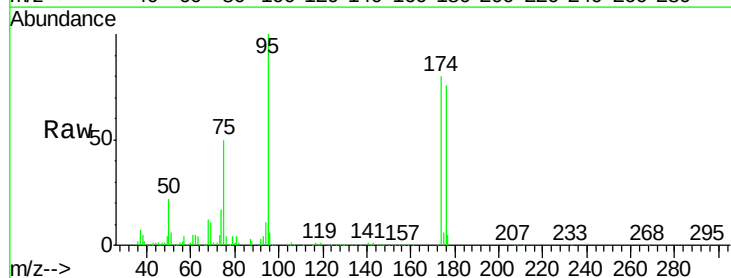
Tgt Ion: 95 Resp: 227778

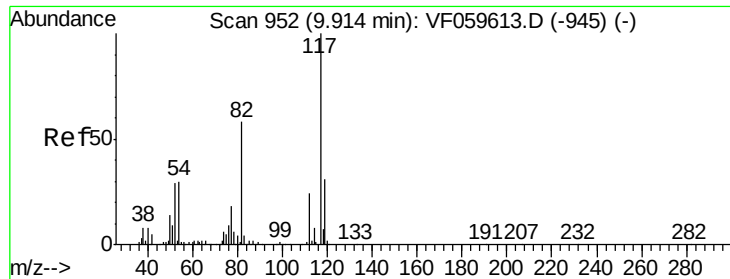
Ion Ratio Lower Upper

95 100

174 79.8 0.0 180.6

176 75.8 0.0 182.4





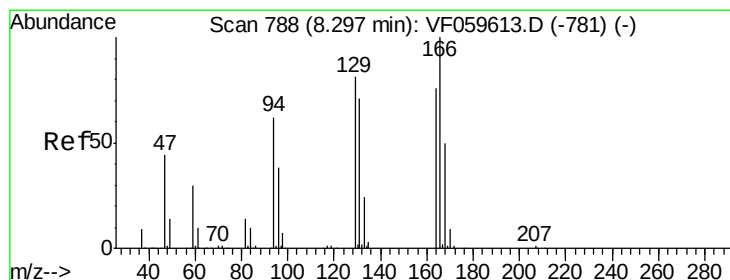
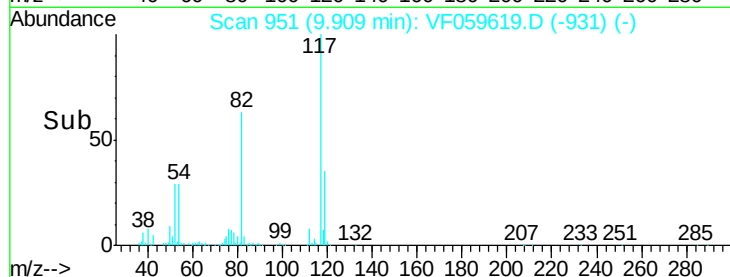
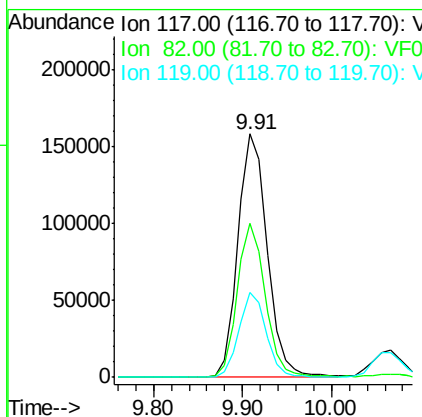
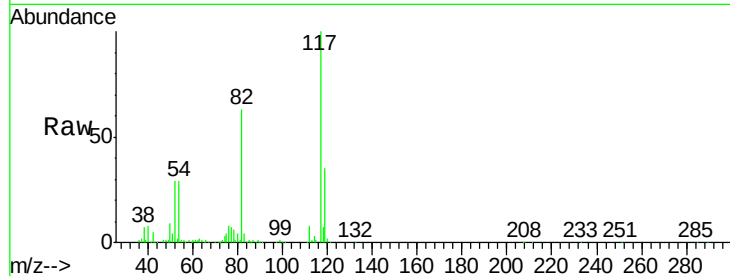
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	364113		
82	63.5	46.5	69.7	
119	35.0	24.4	36.6	

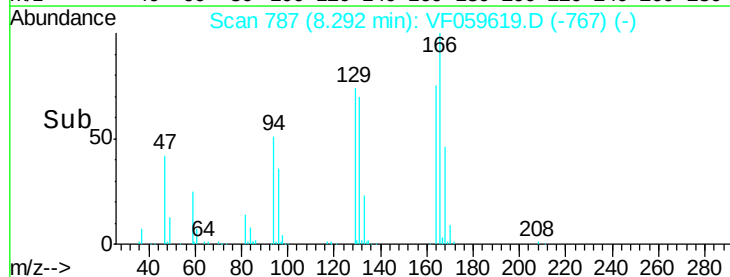
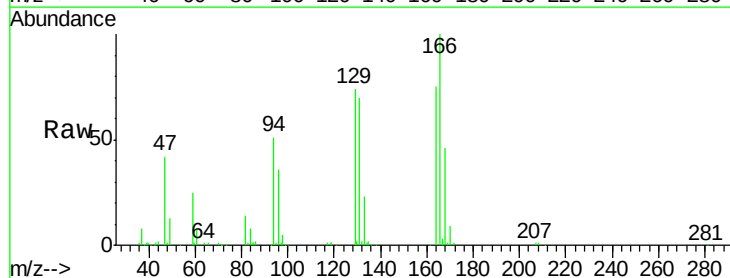
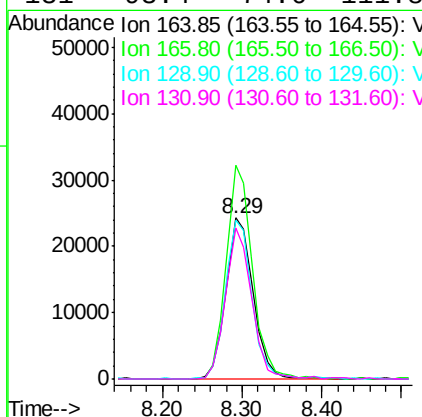
Manual Integrations
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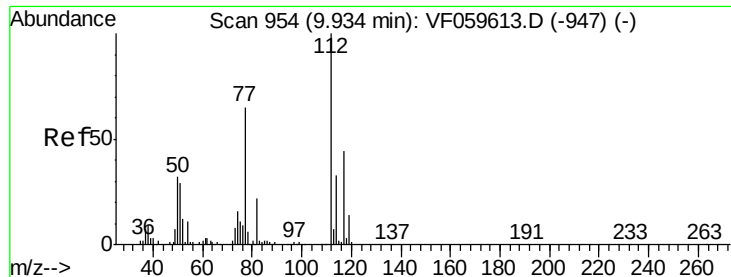
apatel
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#64
Tetrachloroethene
Concen: 21.68 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58623		
166	132.6	104.8	157.2	
129	98.5	85.3	127.9	
131	93.4	74.6	111.8	





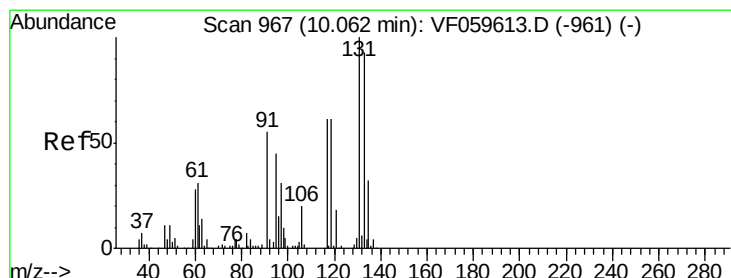
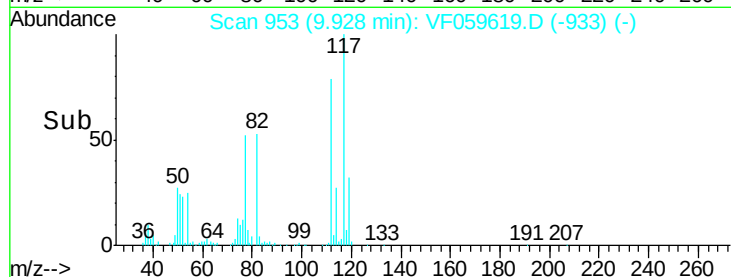
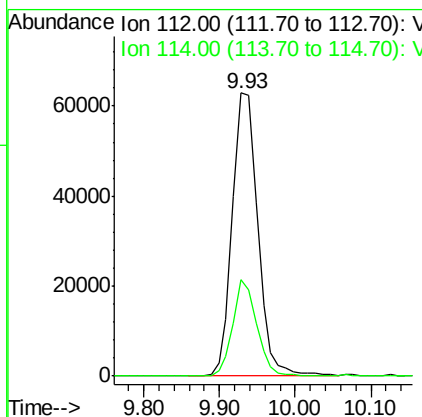
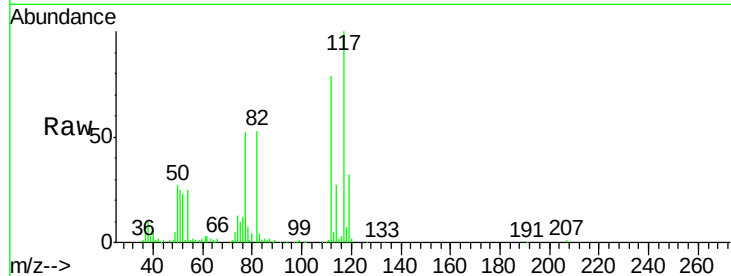
#65
Chlorobenzene
Concen: 21.91 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.8	40.2

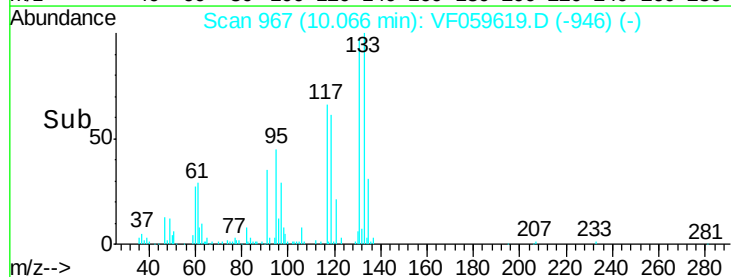
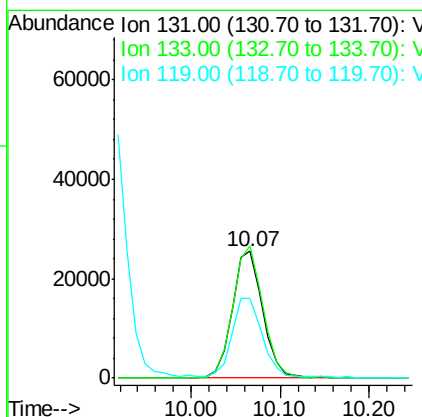
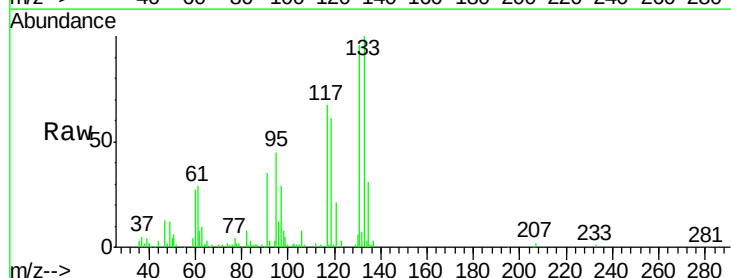
Manual Integrations
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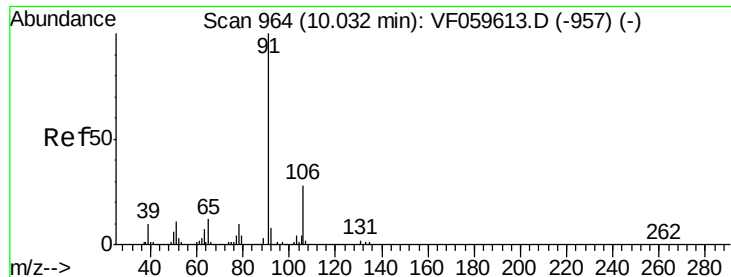
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.06 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	103.9	46.4	139.2
119	63.3	30.6	91.8





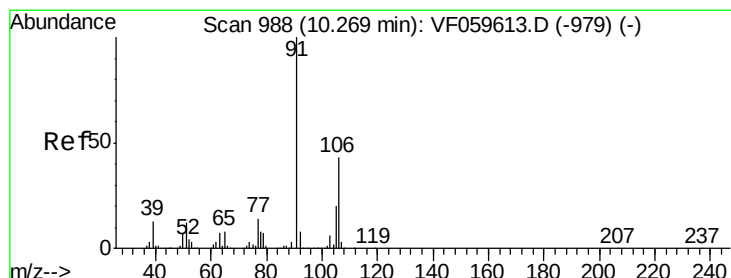
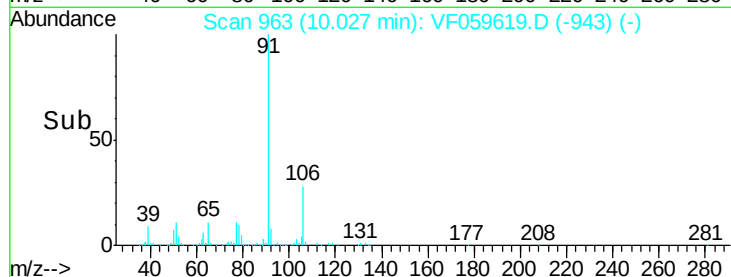
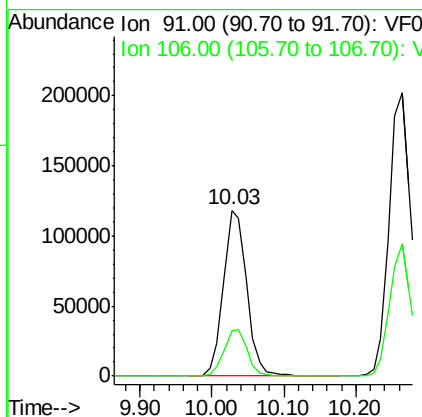
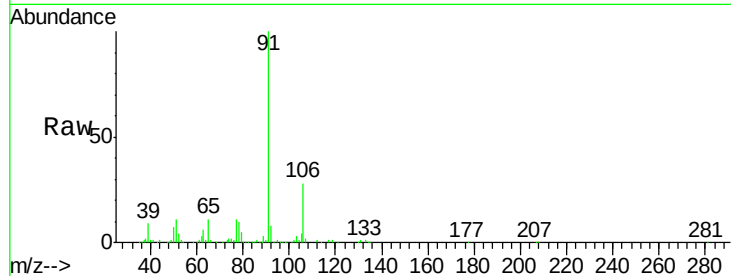
#67
Ethyl Benzene
Concen: 21.83 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion: 91 Resp: 266547
Ion Ratio Lower Upper
91 100
106 27.5 22.5 33.7

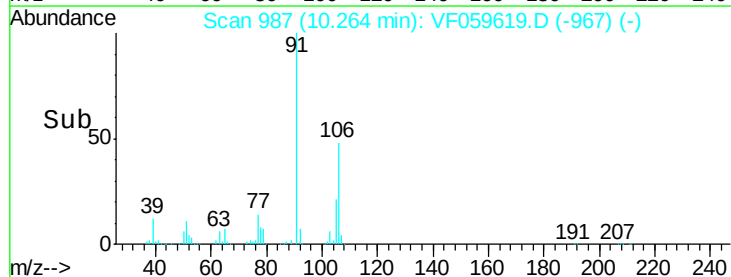
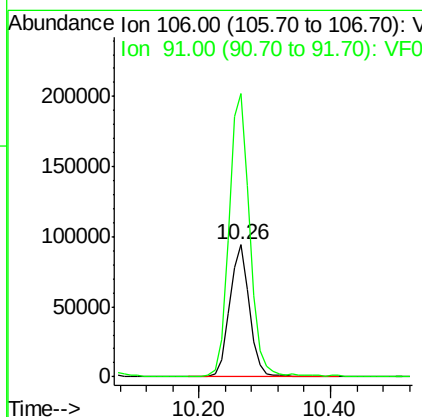
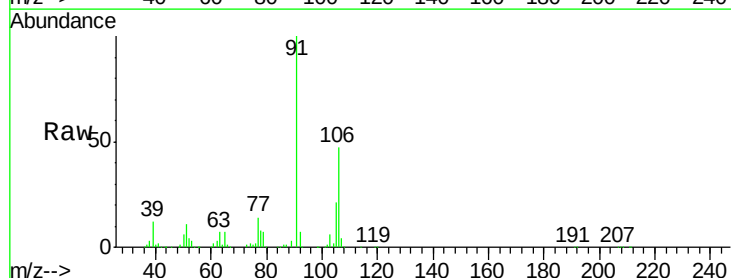
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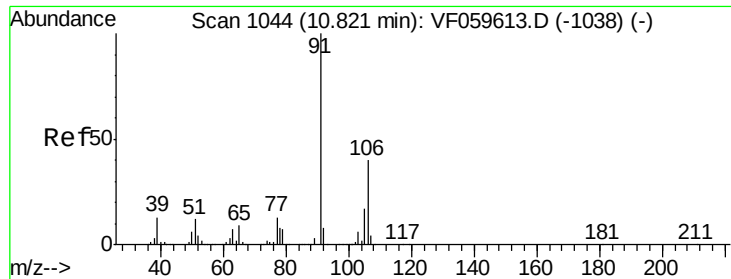
apatel
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#68
m/p-Xylenes
Concen: 48.01 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion: 106 Resp: 199170
Ion Ratio Lower Upper
106 100
91 214.3 187.0 280.4





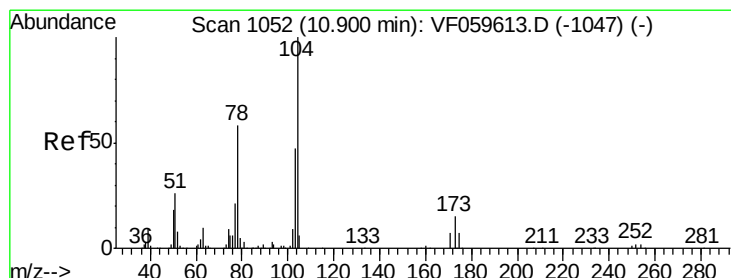
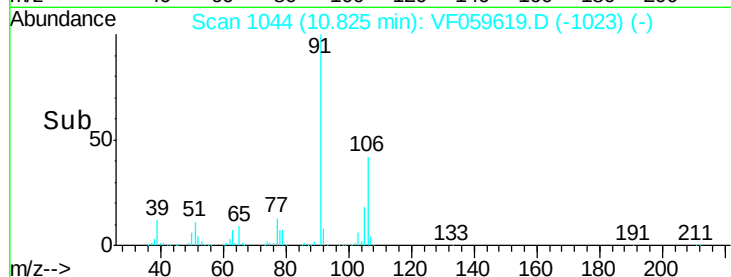
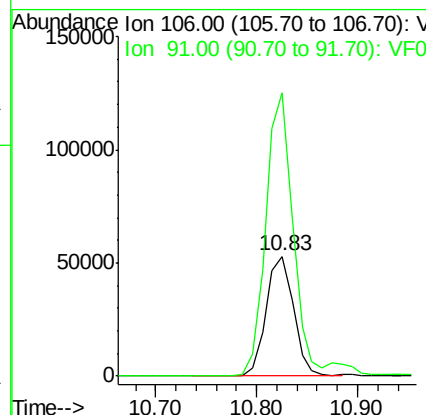
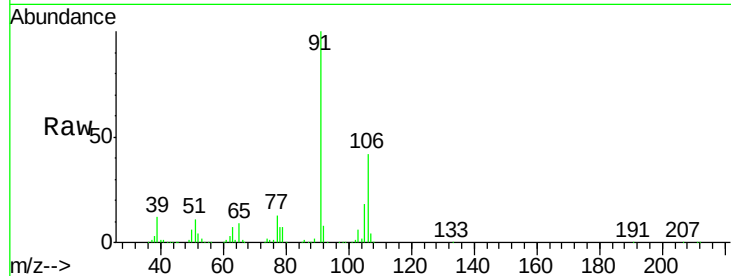
#69
o-Xylene
Concen: 22.31 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleID :
VF0723SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	100557		
91	91	236.6	125.8	377.3	

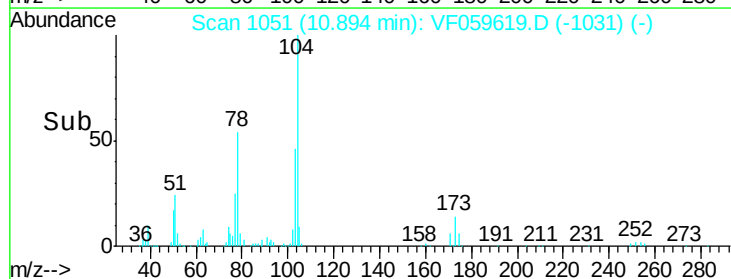
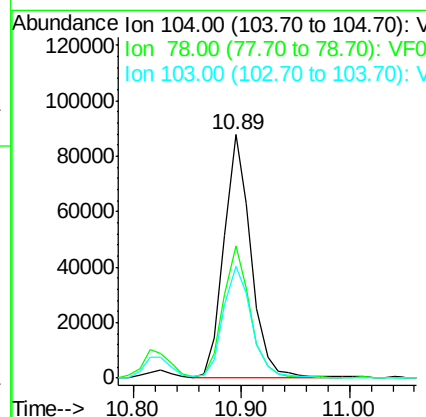
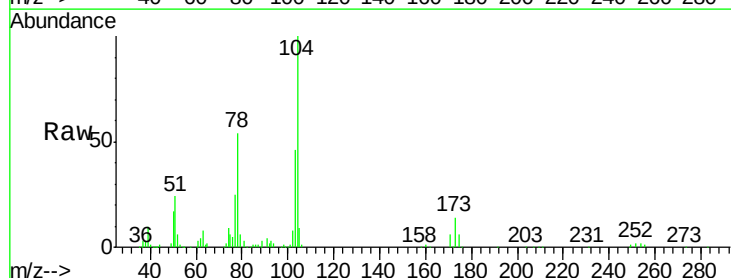
Manual Integrations
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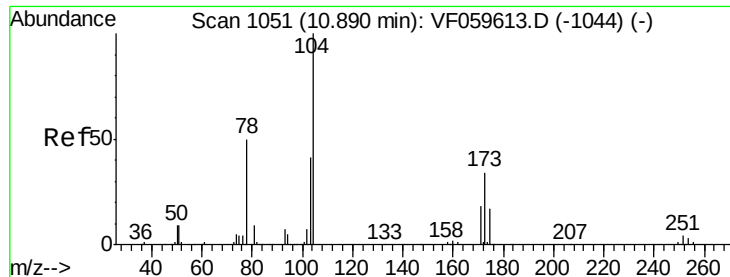
apatel
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#70
Styrene
Concen: 22.38 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	151234		
78	78	54.3	47.4	71.2	
103	103	45.9	38.8	58.2	





#71

Bromoform

Concen: 19.56 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion:173 Resp: 36875

Ion Ratio Lower Upper

173 100

175 48.9 25.1 75.2

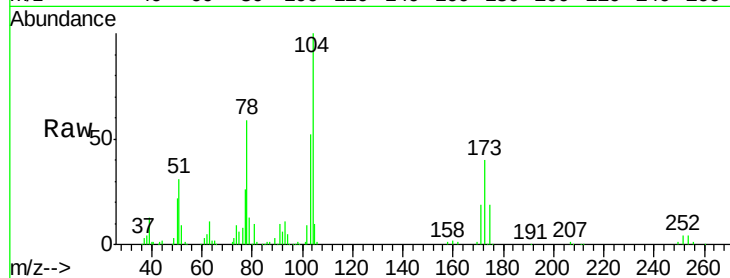
254 0.0 0.0 0.0

Manual Integrations

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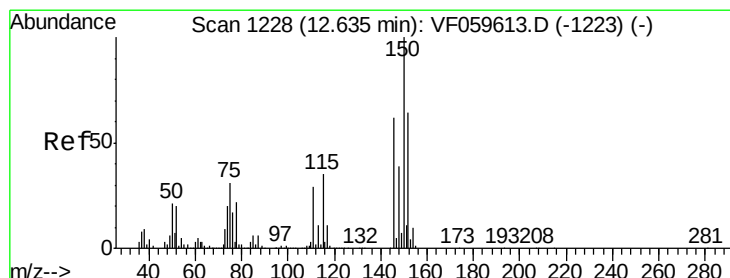
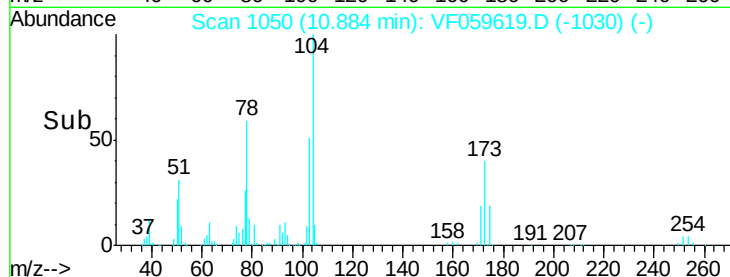
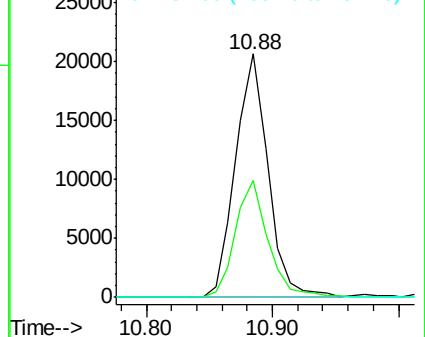
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

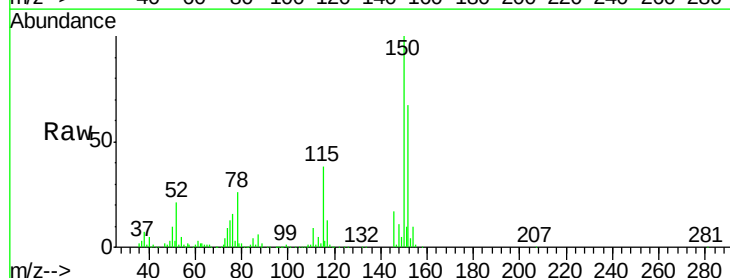
Tgt Ion:152 Resp: 228180

Ion Ratio Lower Upper

152 100

115 57.5 27.8 83.4

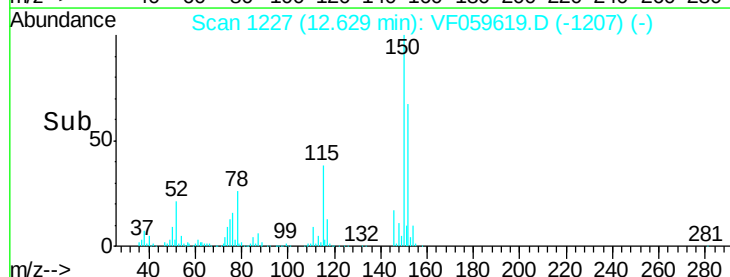
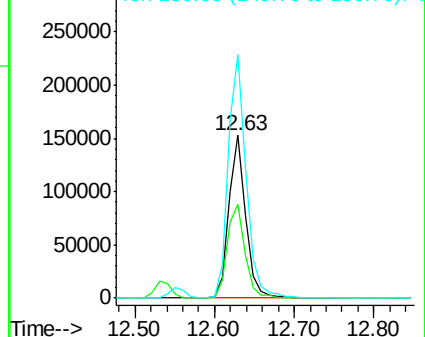
150 149.7 0.0 314.6

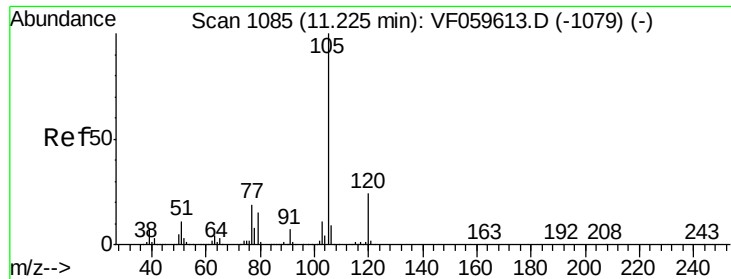


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.88 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion:105 Resp: 317056

Ion Ratio Lower Upper

105 100

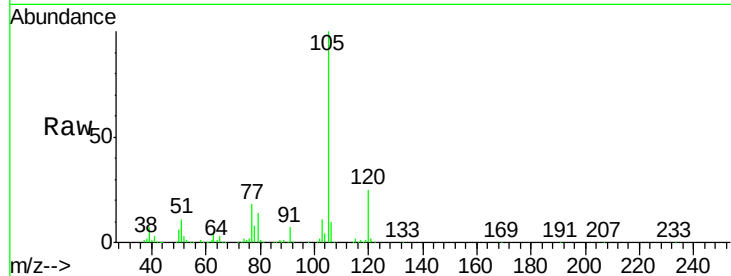
120 24.6 11.8 35.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

200000

150000

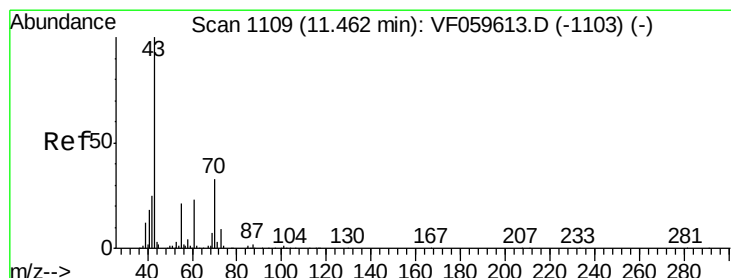
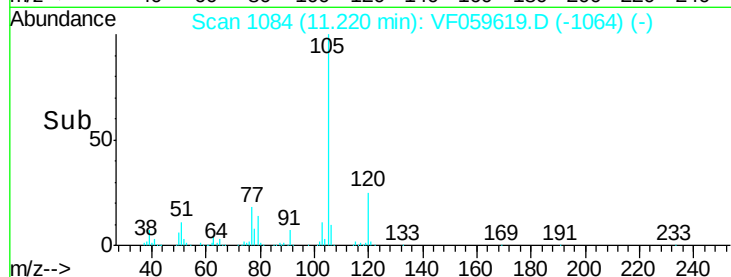
100000

50000

0

11.20 11.40

Time-->



#74

N-ethyl acetate

Concen: 20.02 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Tgt Ion: 43 Resp: 65230

Ion Ratio Lower Upper

43 100

70 39.2 26.6 40.0

55 21.3 17.0 25.6

61 24.9 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

50000

40000

30000

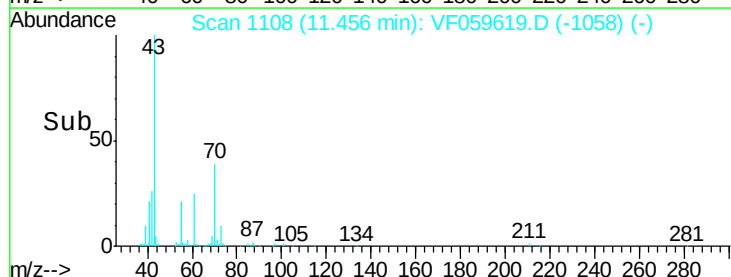
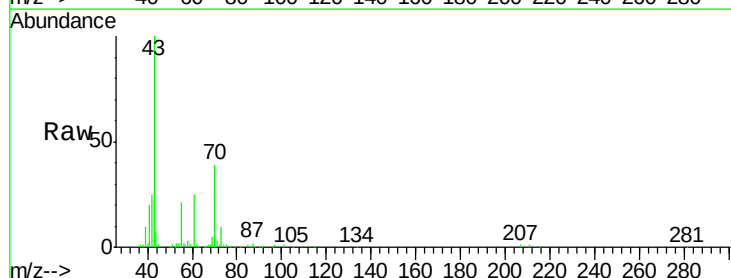
20000

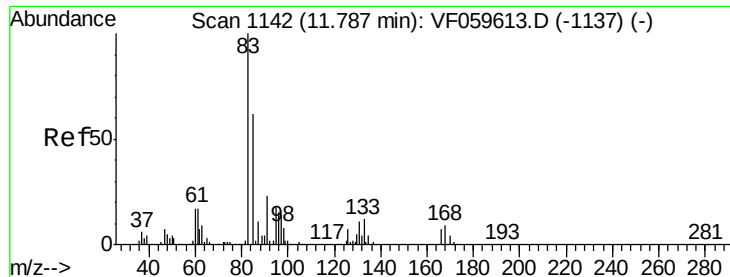
10000

0

11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.73 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

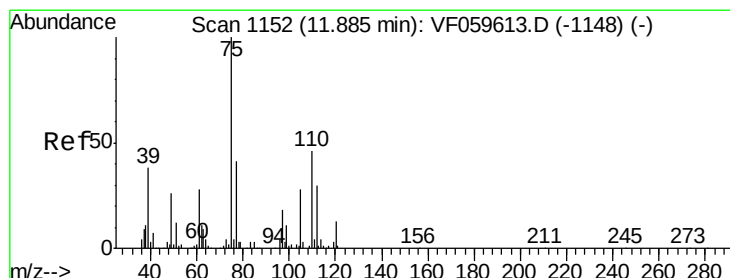
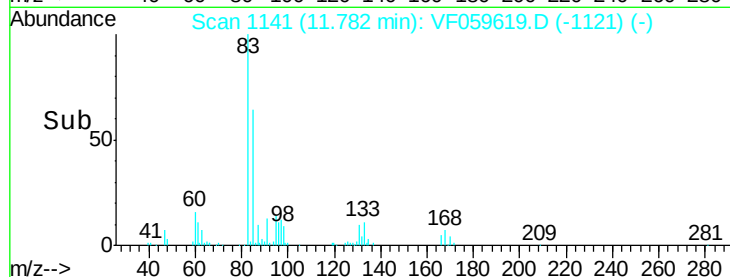
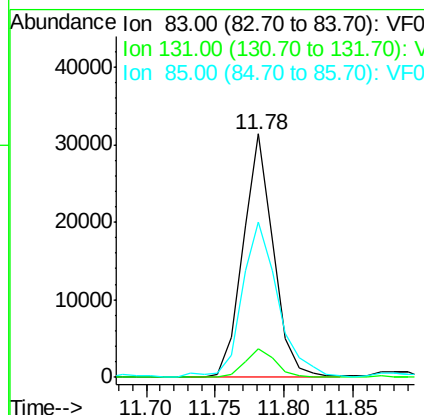
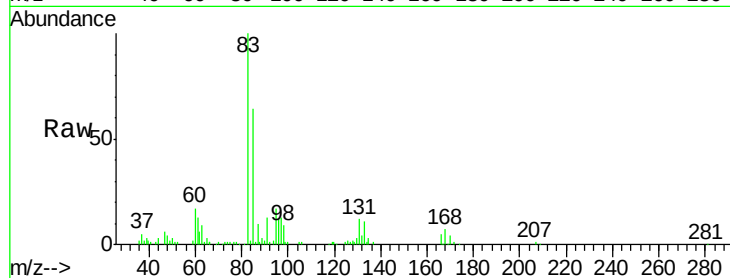
ClientSampleId :

VF0723SBS01

Tot Ion:	83	Resp:	48007
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.7	17.0
85	63.5	31.1	93.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.74 ug/l

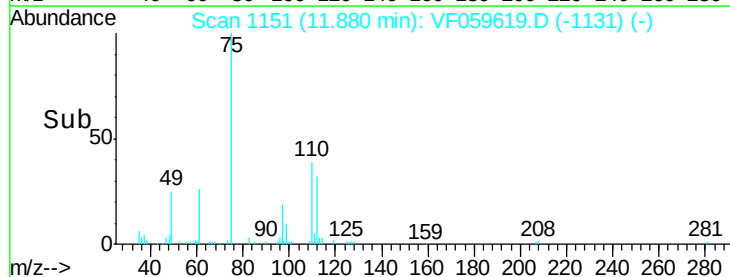
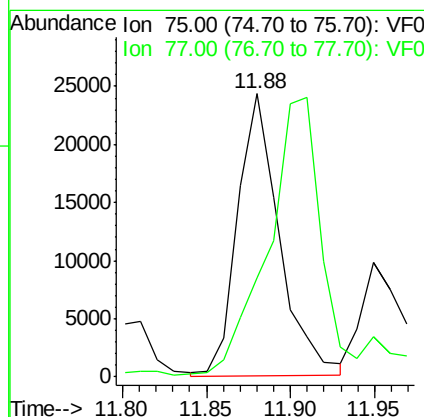
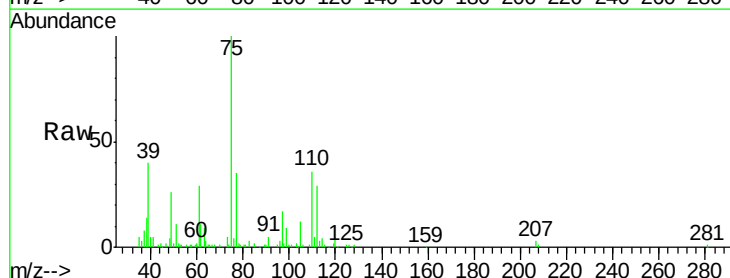
RT: 11.88 min Scan# 1151

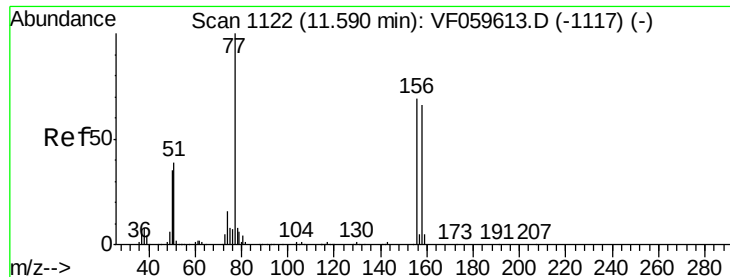
Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Tgt Ion:	75	Resp:	41952
Ion Ratio	Lower	Upper	
75	100		
77	34.8	20.9	62.8





#77

Bromobenzene

Concen: 21.73 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

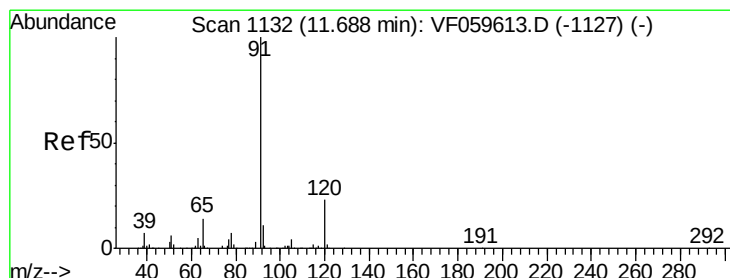
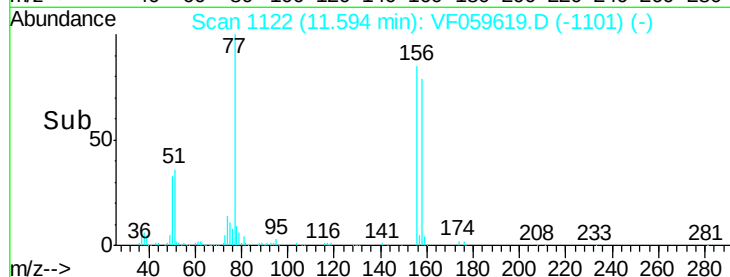
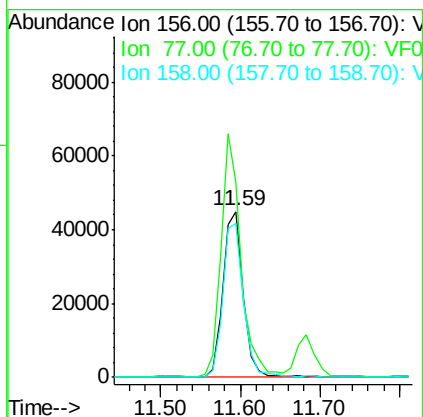
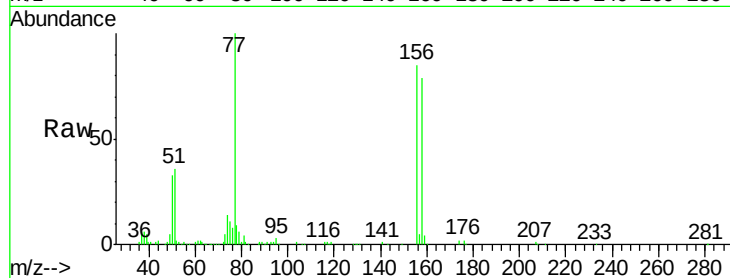
ClientSampleId :

VF0723SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	117.3	72.1	216.3	
158	92.5	47.3	141.9	

Manual Integrations
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#78

n-propylbenzene

Concen: 21.68 ug/l

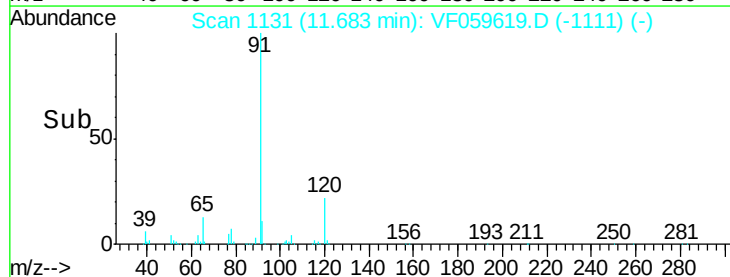
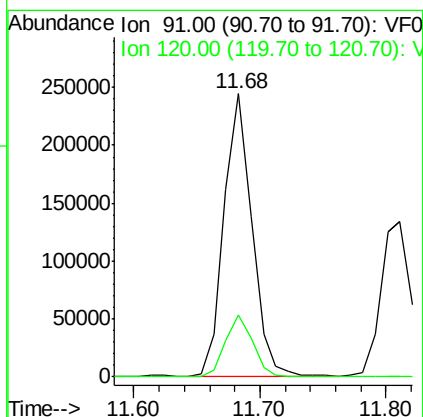
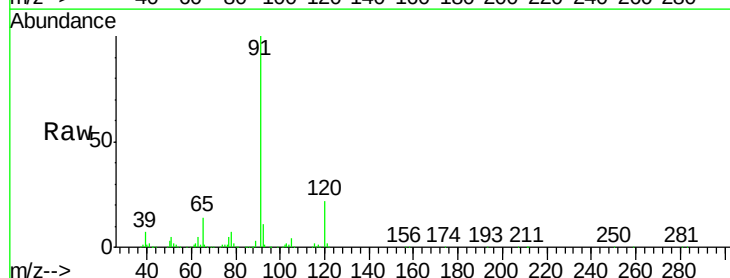
RT: 11.68 min Scan# 1131

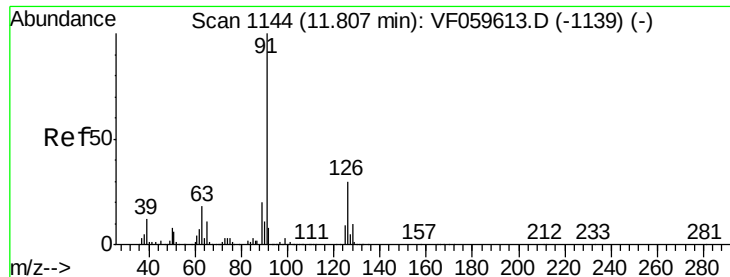
Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	11.6	34.7	





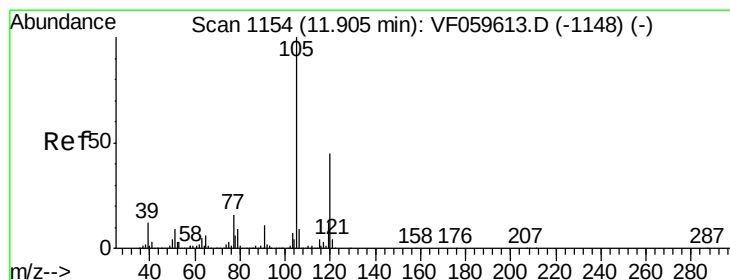
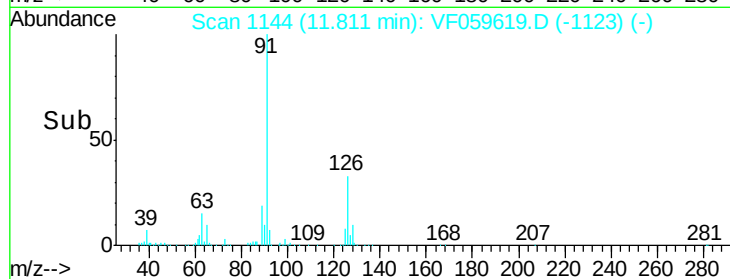
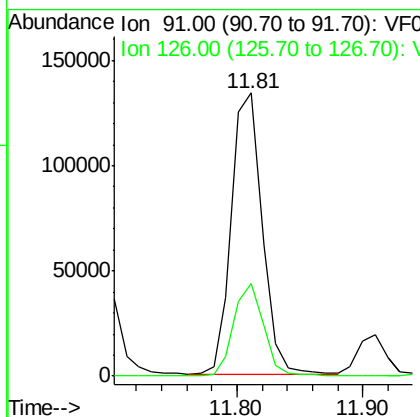
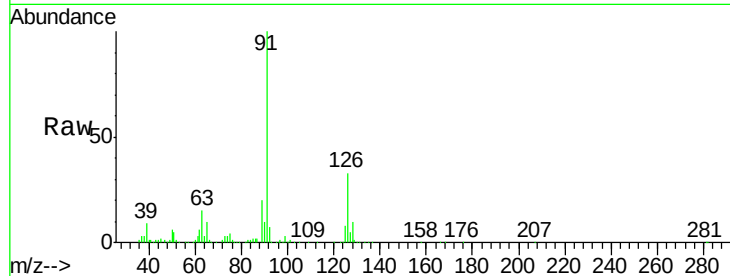
#79
 2-Chlorotoluene
 Concen: 21.75 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.1	45.3

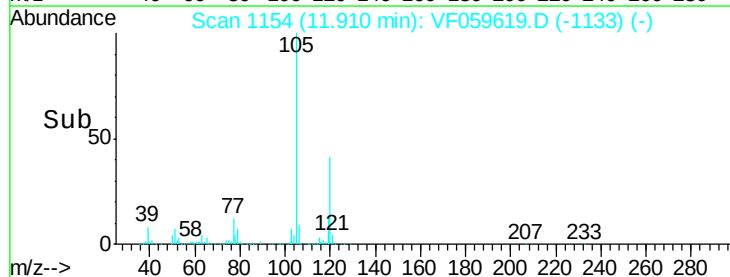
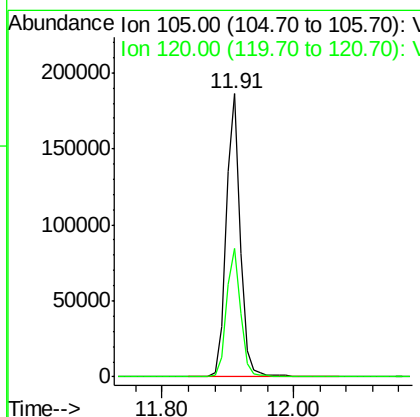
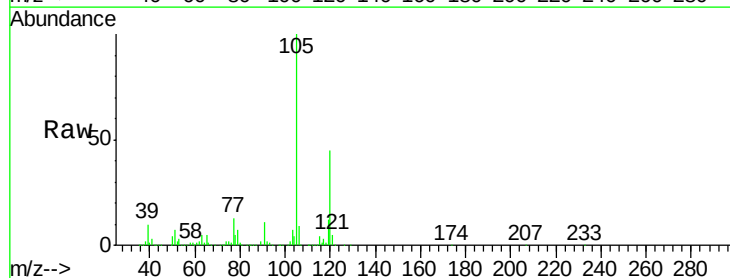
Manual Integrations
 APPROVED

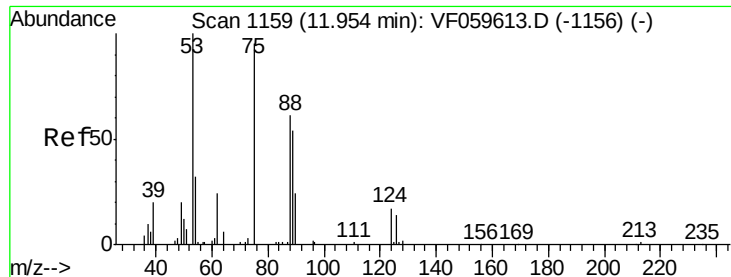
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.39 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.4	67.0





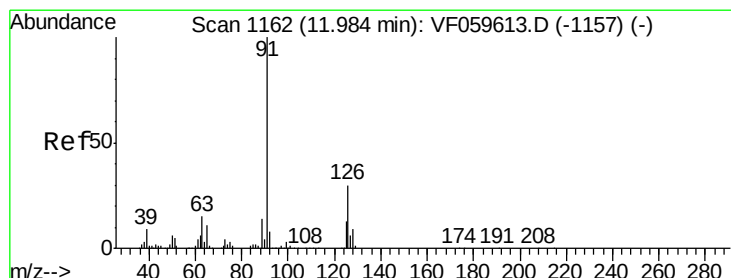
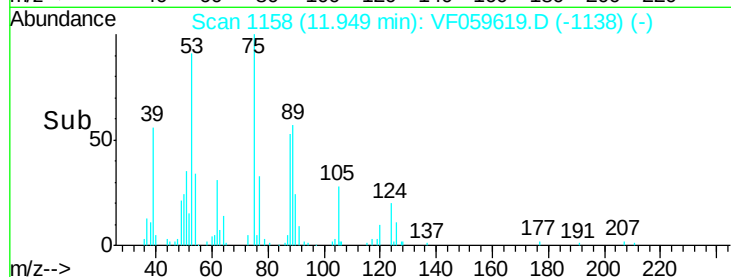
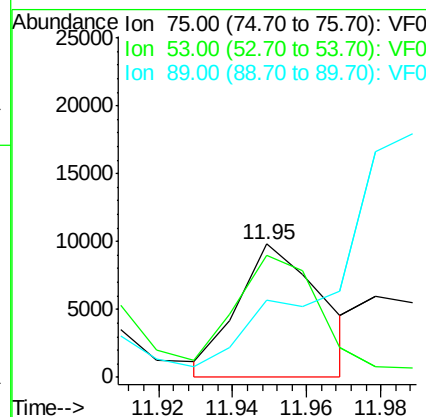
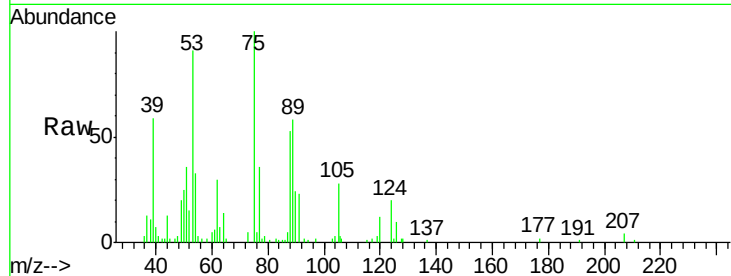
#81
trans-1,4-Dichloro-2-butene
Concen: 18.34 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
53	91.3	86.4	129.6	
89	57.8	46.8	70.2	

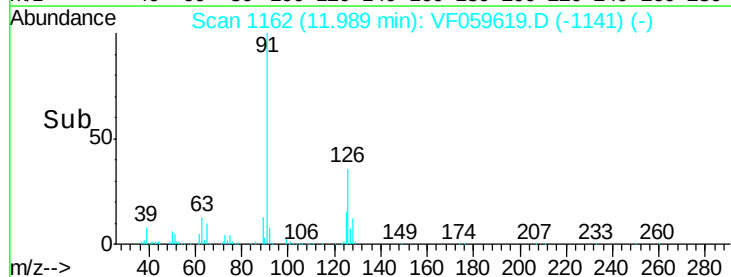
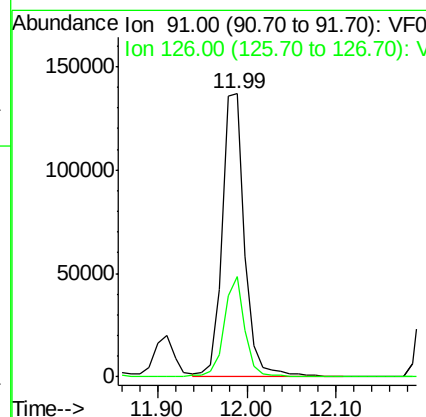
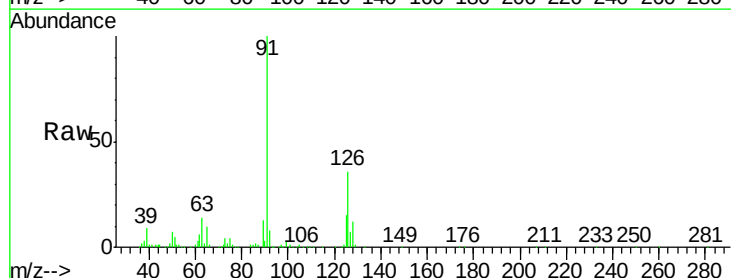
Manual Integrations
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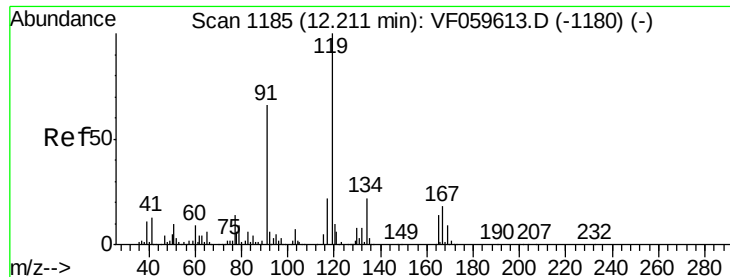
apatel
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#82
4-Chlorotoluene
Concen: 20.84 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
126	35.6	14.7	44.1	





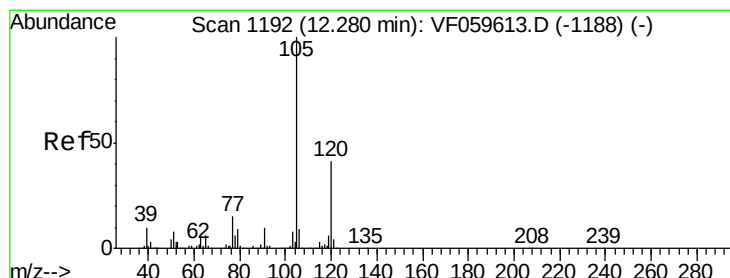
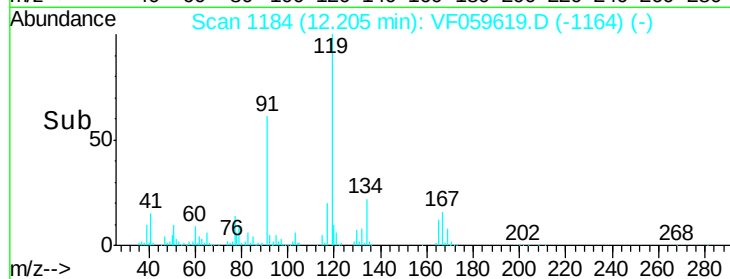
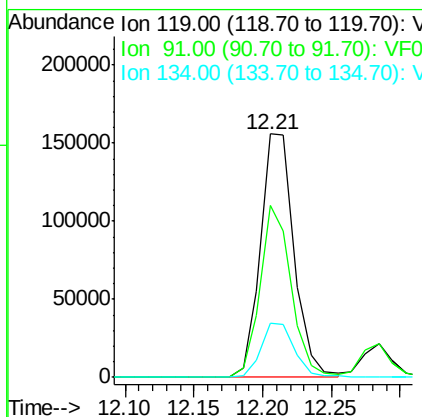
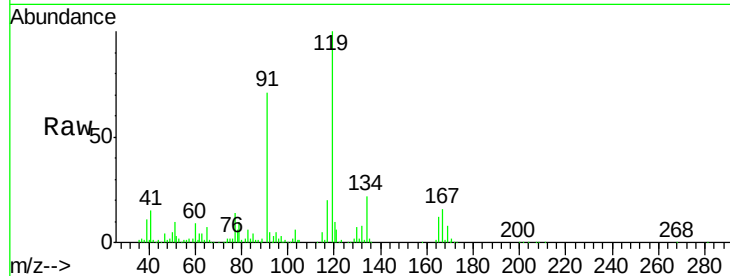
#83
 tert-Butylbenzene
 Concen: 20.79 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	266648		
91	70.8		33.2	99.6
134	22.1		10.9	32.6

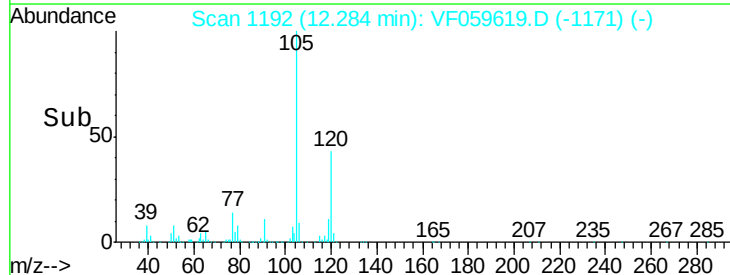
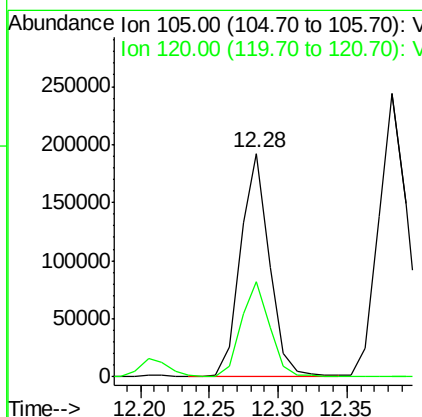
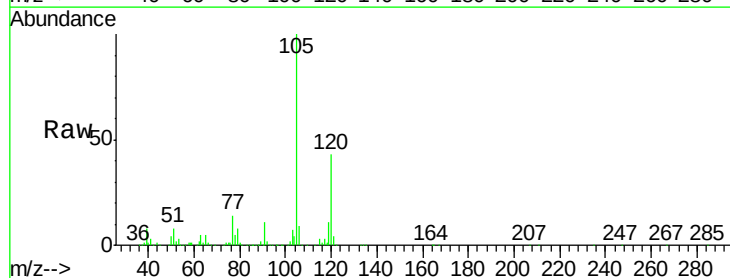
Manual Integrations
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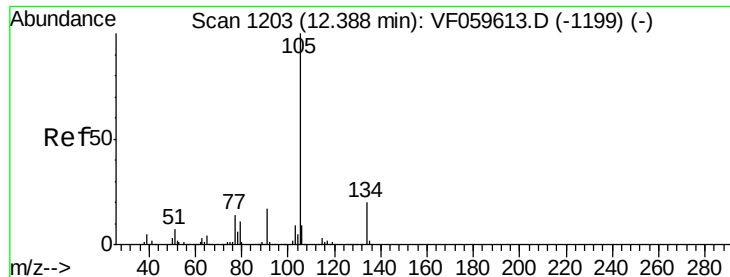
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.42 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	282727		
120	42.7		20.4	61.3





#85

sec-Butylbenzene

Concen: 21.67 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion:105 Resp: 359344

Ion Ratio Lower Upper

105 100

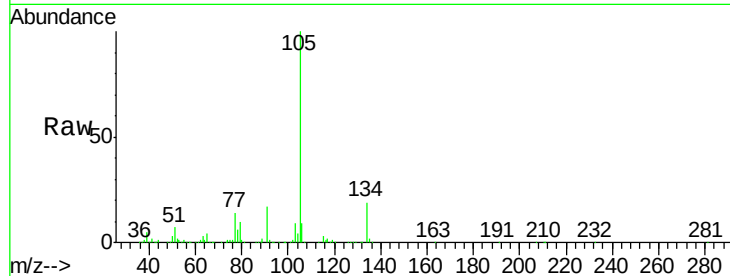
134 19.1 9.9 29.7

Manual Integrations

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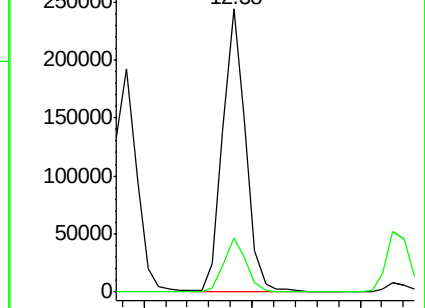
apatel

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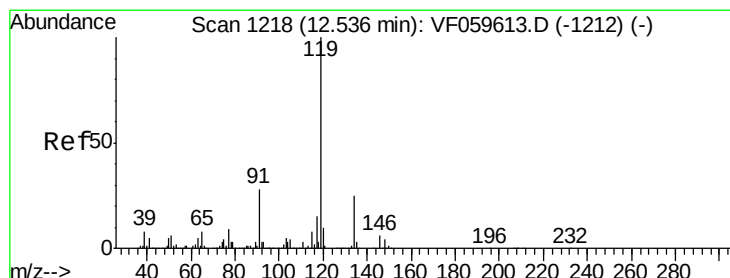
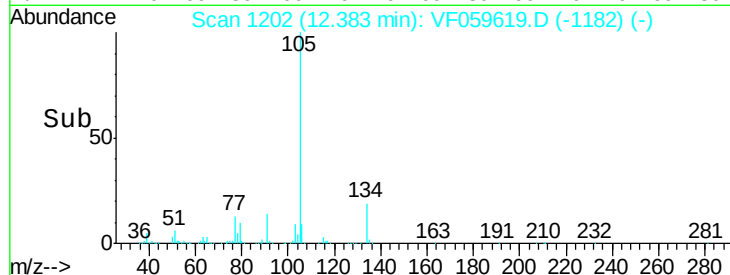


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 22.04 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

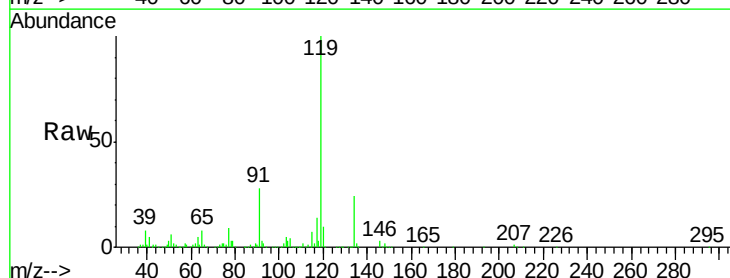
Tgt Ion:119 Resp: 321592

Ion Ratio Lower Upper

119 100

134 23.7 12.4 37.2

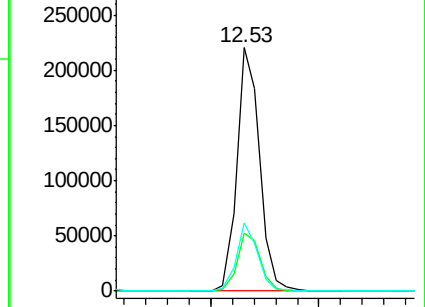
91 27.8 13.9 41.7



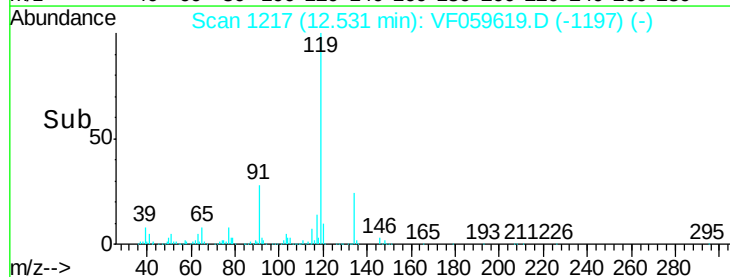
Abundance Ion 119.00 (118.70 to 119.70): V

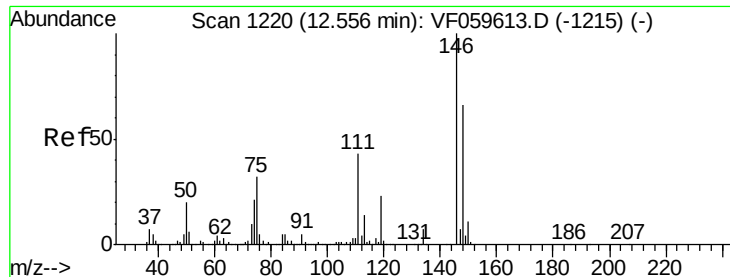
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





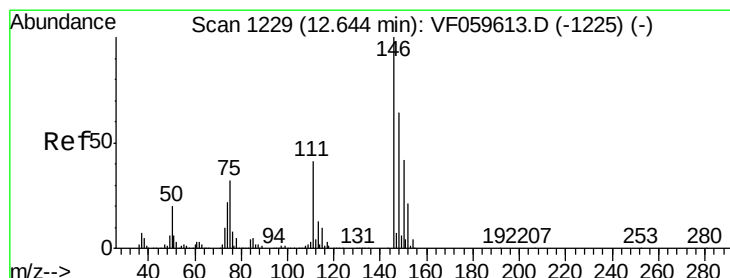
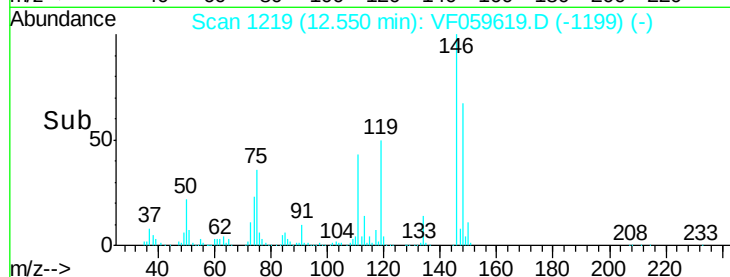
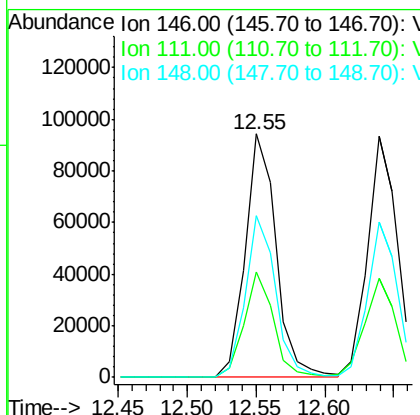
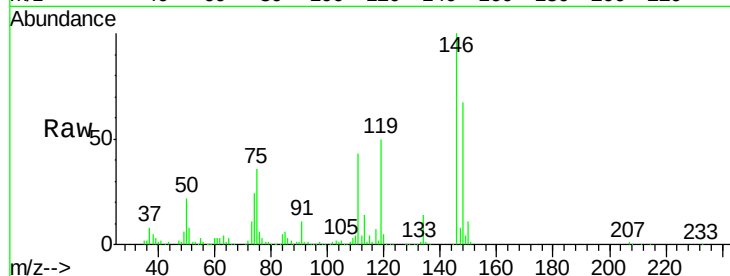
#87
 1,3-Dichlorobenzene
 Concen: 20.59 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.8
148	66.6	33.1	99.3

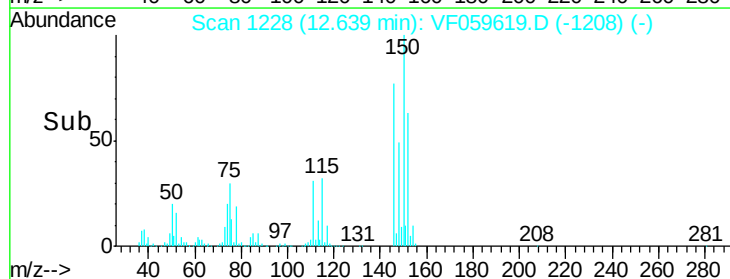
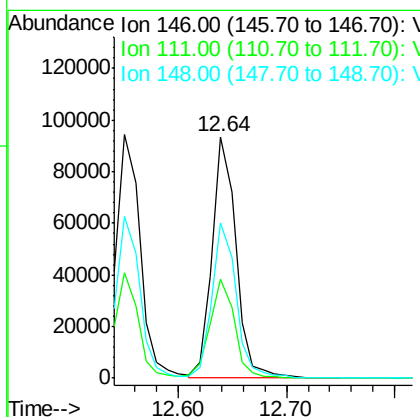
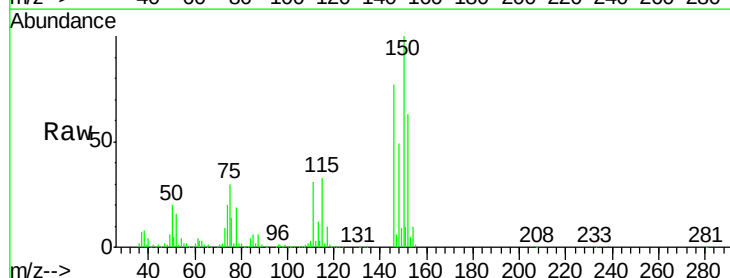
Manual Integrations
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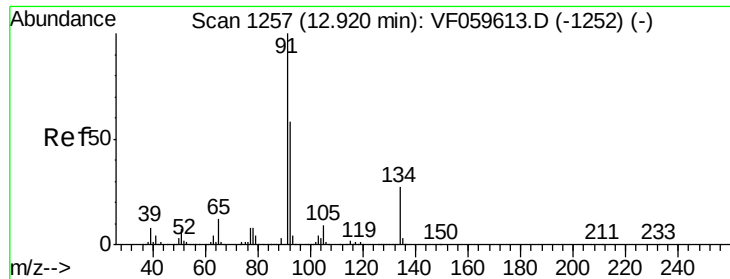
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#88
 1,4-Dichlorobenzene
 Concen: 21.29 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.5
148	64.3	32.3	96.8





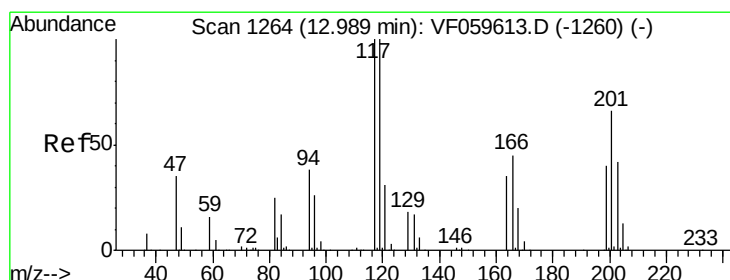
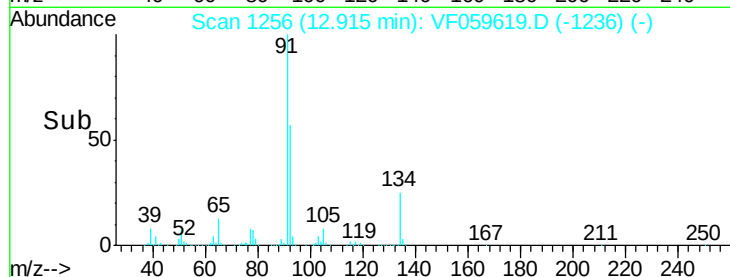
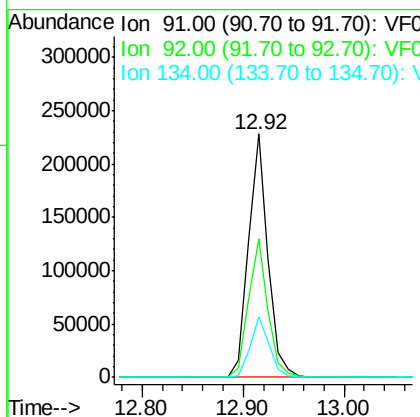
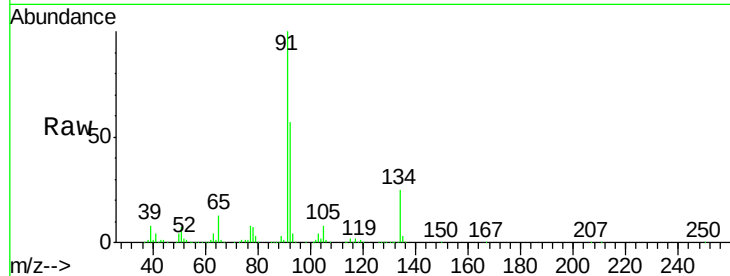
#89
n-Butylbenzene
Concen: 22.02 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.0	28.8	86.4
134	25.0	13.5	40.4

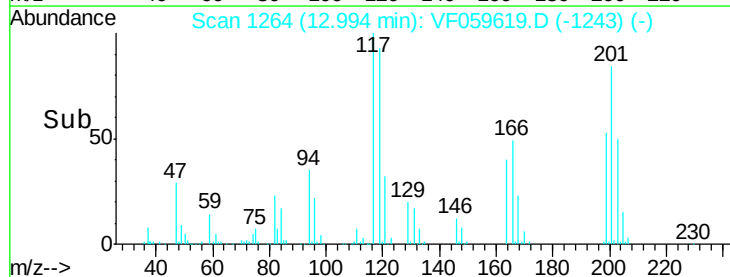
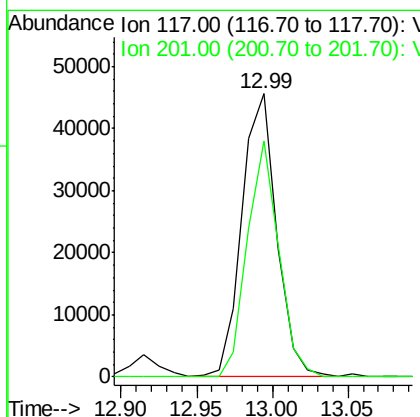
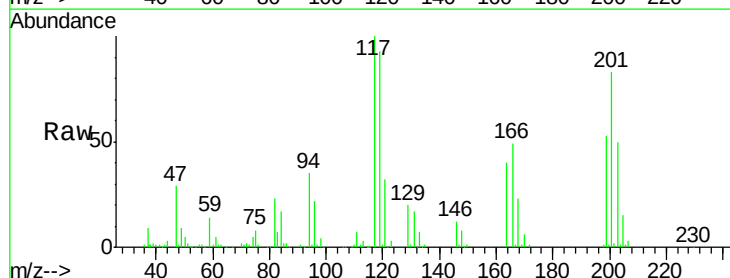
Manual Integrations
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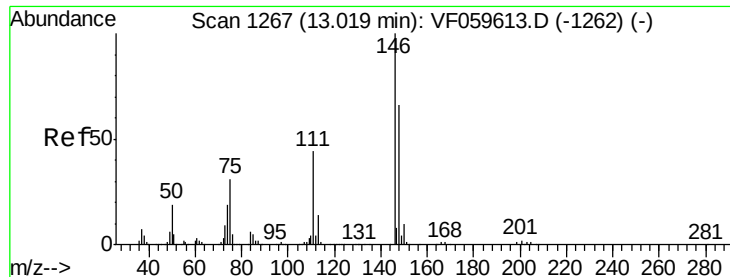
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#90
Hexachloroethane
Concen: 20.04 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	33.6	100.6





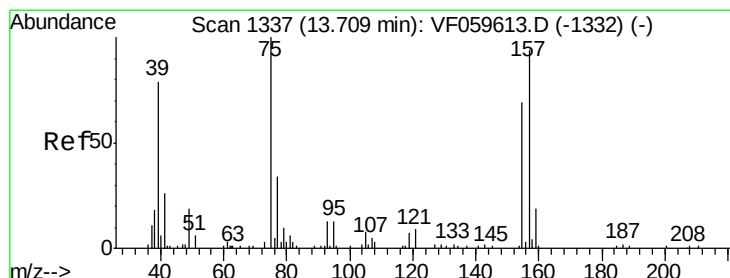
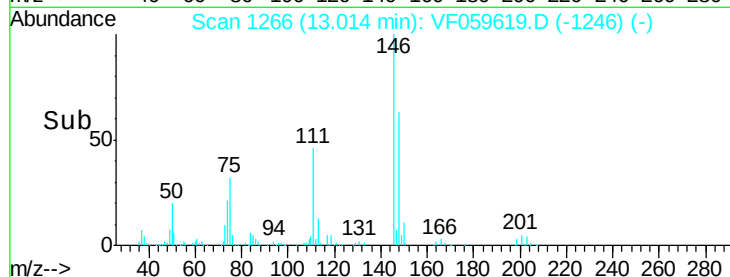
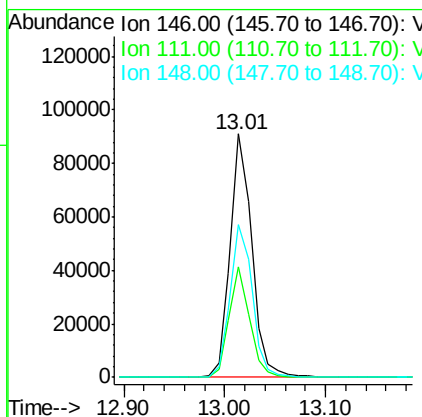
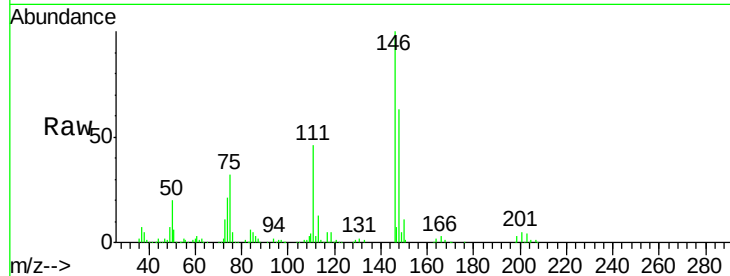
#91
 1,2-Dichlorobenzene
 Concen: 20.25 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.8	65.3
148	62.8	32.9	98.7

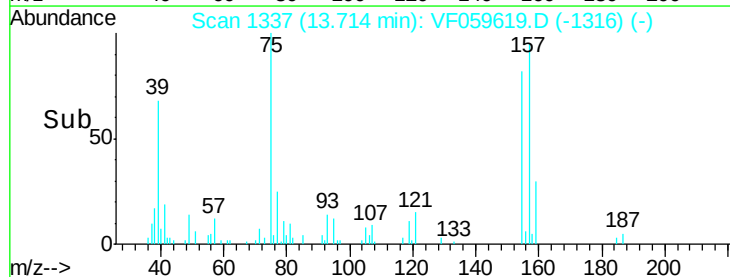
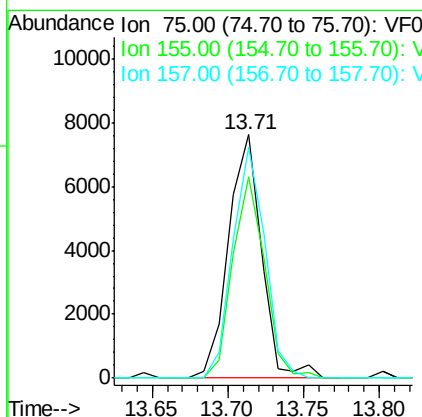
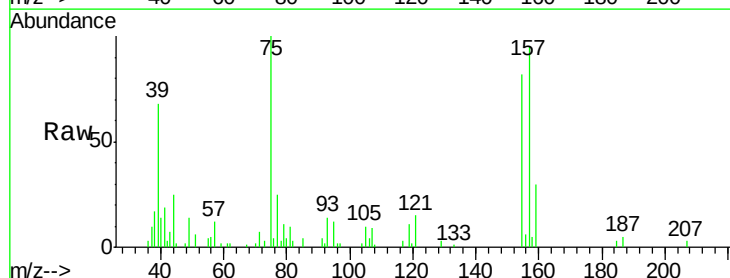
Manual Integrations
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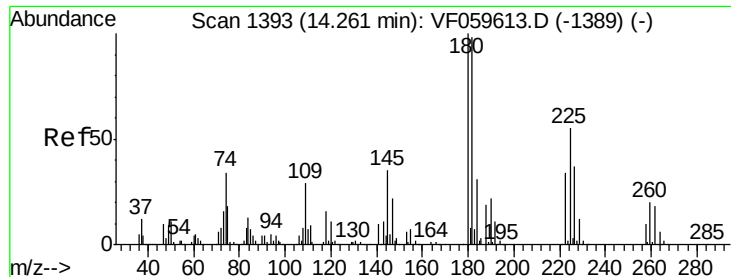
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.73 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	34.6	103.8
157	95.0	47.0	141.0





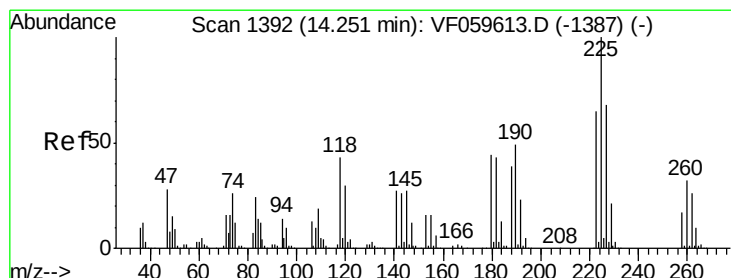
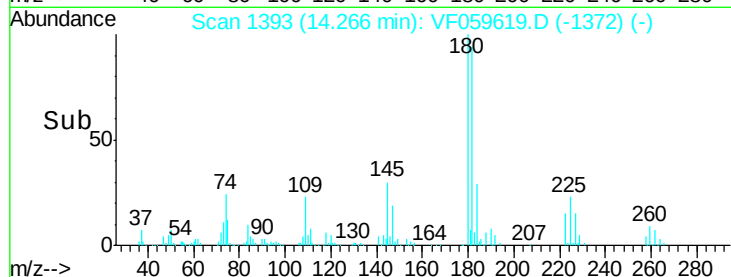
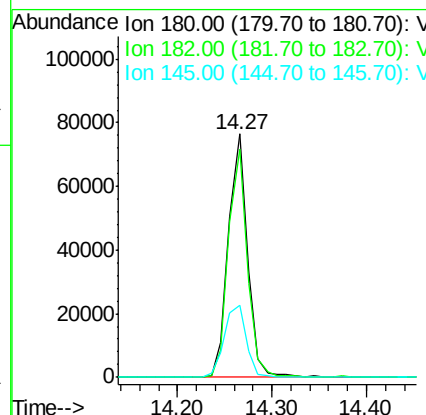
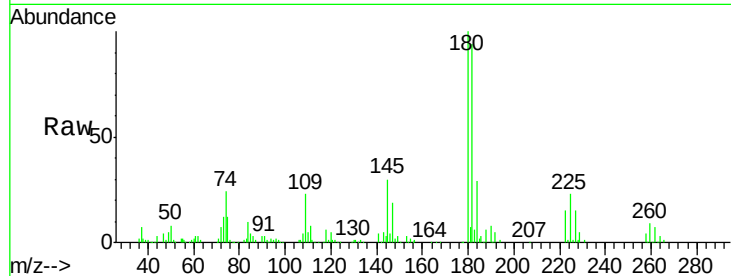
#93
 1,2,4-Trichlorobenzene
 Concen: 21.43 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107516		
182	93.6	48.8	146.3	
145	29.7	17.5	52.6	

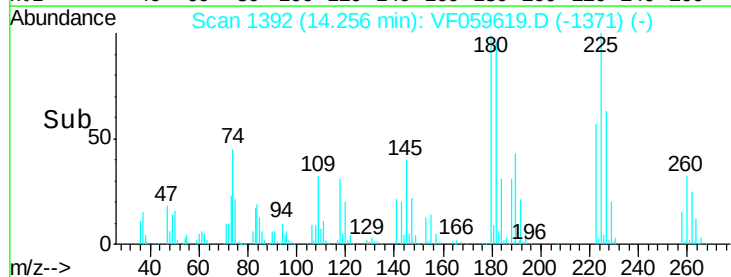
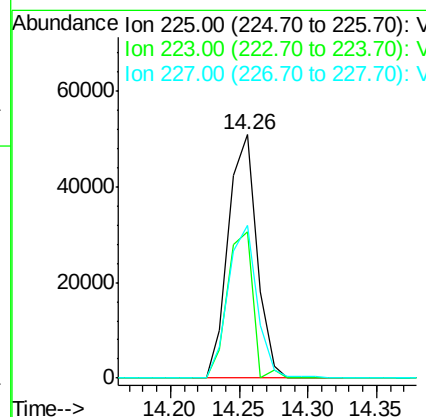
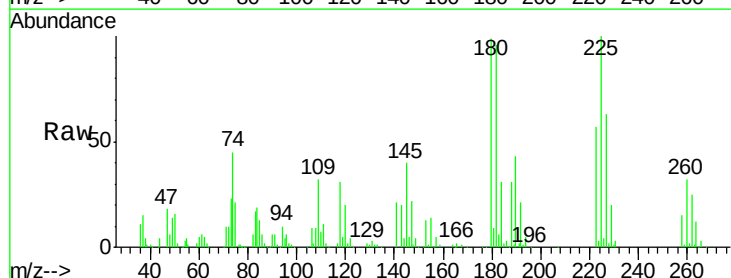
Manual Integrations
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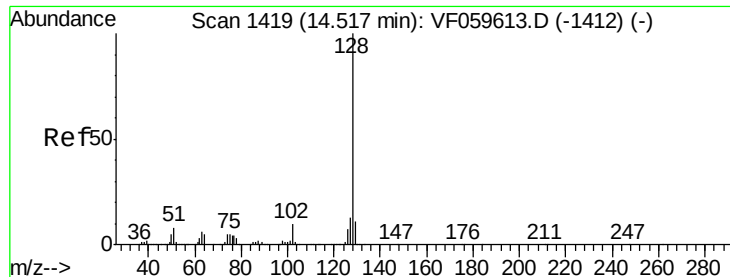
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#94
 Hexachlorobutadiene
 Concen: 21.05 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73503		
223	60.1	32.6	98.0	
227	62.6	33.9	101.6	





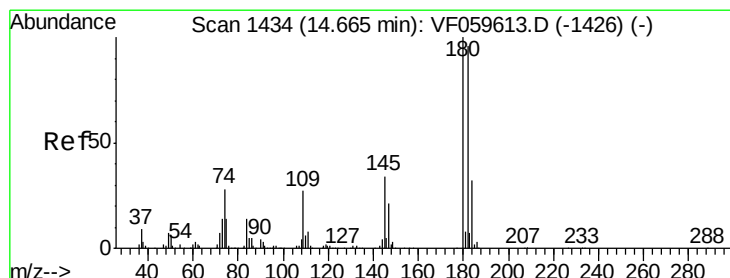
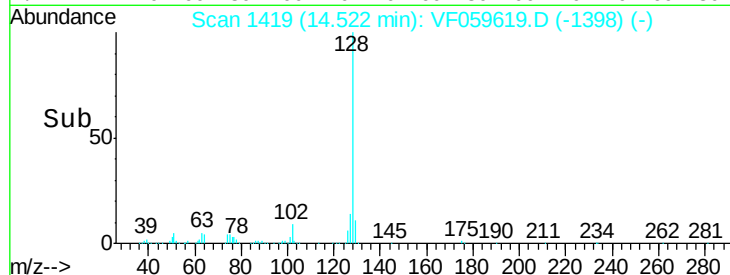
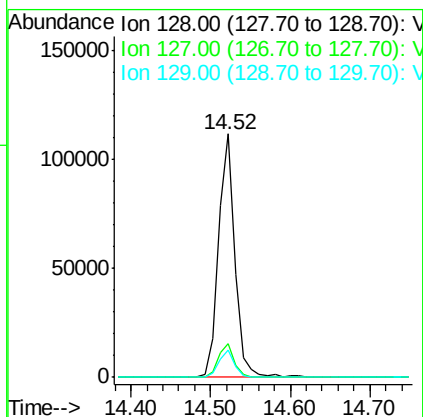
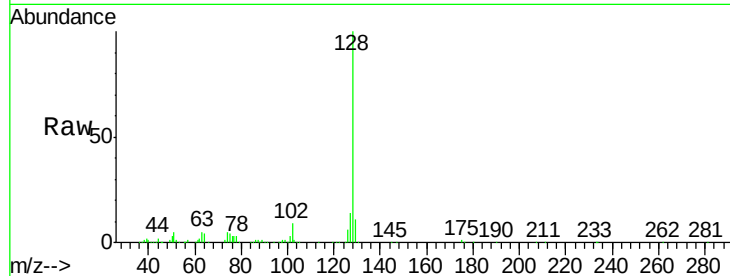
#95
Naphthalene
Concen: 20.03 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.2
129	11.0	9.1	13.7

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.61 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	28.7	17.1	51.2

