

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060349.D
 Acq On : 26 Sep 2018 14:01
 Operator : VA/AP
 Sample : VF0926SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Manual Integrations
 APPROVED

apatel
 9/27/2018 9:56:16 AM

Quant Time: Sep 26 17:19:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	245933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	420902	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	372172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	191729	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	168497	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.76%	
35) Dibromofluoromethane	4.28	113	186000	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
50) Toluene-d8	7.70	98	444226	45.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.92%	
62) 4-Bromofluorobenzene	11.50	95	210648	49.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	111429	27.443	ug/l	97
3) Chloromethane	1.13	50	82494	24.615	ug/l	96
4) Vinyl Chloride	1.17	62	84152	24.638	ug/l	98
5) Bromomethane	1.36	94	57854	26.772	ug/l #	75
6) Chloroethane	1.44	64	38025	23.376	ug/l	96
7) Trichlorofluoromethane	1.53	101	161863	25.437	ug/l	99
8) Diethyl Ether	1.69	74	26666	25.188	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.90	101	87599	25.886	ug/l	89
10) Methyl Iodide	1.97	142	133412m	24.447	ug/l	
11) Tert butyl alcohol	2.68	59	27978	144.317	ug/l	99
12) 1,1-Dichloroethene	1.86	96	71739	25.633	ug/l	97
13) Acrolein	2.08	56	10238	141.514	ug/l	97
14) Allyl chloride	2.18	41	112035	22.940	ug/l	94
15) Acrylonitrile	3.07	53	53306	113.973	ug/l	89
16) Acetone	2.34	43	113908	122.139	ug/l	99
17) Carbon Disulfide	1.87	76	216213	27.665	ug/l #	93
18) Methyl Acetate	2.44	43	35578	22.900	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	166639	23.884	ug/l	95
20) Methylene Chloride	2.27	84	77957m	27.622	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	71775	24.831	ug/l	96
22) Diisopropyl ether	2.92	45	225872	24.513	ug/l	97
23) Vinyl Acetate	3.32	43	453896	125.420	ug/l	98
24) 1,1-Dichloroethane	3.00	63	148848	24.908	ug/l #	97
25) 2-Butanone	4.50	43	140236	111.716	ug/l	100
26) 2,2-Dichloropropane	3.75	77	82342	24.149	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	93880	24.722	ug/l	87
28) Bromochloromethane	3.87	49	54167	23.281	ug/l #	80
29) Tetrahydrofuran	4.25	42	51263	111.516	ug/l	100
30) Chloroform	4.02	83	172296	23.895	ug/l	94
31) Cyclohexane	3.84	56	116836	23.146	ug/l	88
32) 1,1,1-Trichloroethane	4.27	97	135033	23.733	ug/l	98
36) 1,1-Dichloropropene	4.46	75	128798	24.532	ug/l	92
37) Ethyl Acetate	4.27	43	46224	20.808	ug/l #	76
38) Carbon Tetrachloride	4.16	117	124415	22.062	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060349.D
 Acq On : 26 Sep 2018 14:01
 Operator : VA/AP
 Sample : VF0926SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Manual Integrations
 APPROVED

apatel
 9/27/2018 9:56:16 AM

Quant Time: Sep 26 17:19:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	131393	23.091	ug/l	93
40) Benzene	4.80	78	286005	24.025	ug/l	99
41) Methacrylonitrile	4.91	41	25296	20.985	ug/l	91
42) 1,2-Dichloroethane	5.11	62	103974	23.728	ug/l	99
43) Isopropyl Acetate	7.11	43	58442	21.853	ug/l	90
44) Trichloroethene	5.67	130	84137	23.748	ug/l	97
45) 1,2-Dichloropropane	6.39	63	71924	23.344	ug/l	94
46) Dibromomethane	6.25	93	49058	22.276	ug/l	97
47) Bromodichloromethane	6.53	83	119338	22.549	ug/l #	93
48) Methyl methacrylate	6.86	41	37334	19.887	ug/l	95
49) 1,4-Dioxane	6.85	88	7162	427.022	ug/l #	71
51) 4-Methyl-2-Pentanone	8.40	43	210905	102.319	ug/l	96
52) Toluene	7.77	92	171807	22.813	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	99357	23.274	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	123471	22.958	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	50543	22.112	ug/l	91
56) Ethyl methacrylate	8.75	69	55626	20.150	ug/l	98
57) 1,3-Dichloropropane	8.99	76	87626	23.152	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.77	63	28688	117.551	ug/l	100
59) 2-Hexanone	9.62	43	145789	99.337	ug/l	96
60) Dibromochloromethane	8.85	129	77700	22.807	ug/l	97
61) 1,2-Dibromoethane	9.13	107	57807	22.711	ug/l	95
64) Tetrachloroethene	8.30	164	73071	21.658	ug/l	98
65) Chlorobenzene	9.94	112	197035	23.359	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	83745	23.924	ug/l	94
67) Ethyl Benzene	10.03	91	365095	23.410	ug/l	99
68) m/p-Xylenes	10.26	106	252980	46.950	ug/l	97
69) o-Xylene	10.82	106	116921	19.346	ug/l	99
70) Styrene	10.90	104	190676	22.372	ug/l	95
71) Bromoform	10.88	173	42982	22.357	ug/l	95
73) Isopropylbenzene	11.23	105	414479	24.081	ug/l	97
74) N-amyl acetate	11.46	43	84762	23.094	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	70031	22.958	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	49096	22.479	ug/l	90
77) Bromobenzene	11.59	156	85500	23.050	ug/l	97
78) n-propylbenzene	11.68	91	488853	24.575	ug/l	97
79) 2-Chlorotoluene	11.81	91	274136	23.611	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	326498	23.565	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	23254m	20.147	ug/l	
82) 4-Chlorotoluene	11.99	91	267446	22.918	ug/l	100
83) tert-Butylbenzene	12.21	119	338386	24.093	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	327786	23.299	ug/l	100
85) sec-Butylbenzene	12.38	105	454871	23.361	ug/l	94
86) p-Isopropyltoluene	12.54	119	363727	23.661	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	153672	22.170	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	156033	22.775	ug/l	96
89) n-Butylbenzene	12.91	91	390795	23.368	ug/l	98
90) Hexachloroethane	12.99	117	92018	23.413	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	148542	22.465	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12264	21.414	ug/l	90

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092618\
Data File : VF060349.D
Acq On : 26 Sep 2018 14:01
Operator : VA/AP
Sample : VF0926SBS01
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

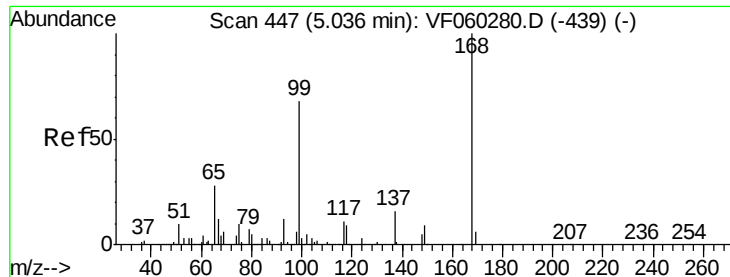
Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM

Quant Time: Sep 26 17:19:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	109825	22.851	ug/l	98
94) Hexachlorobutadiene	14.25	225	73849	22.730	ug/l	97
95) Naphthalene	14.52	128	172533	20.476	ug/l	96
96) 1,2,3-Trichlorobenzene	14.67	180	99299	22.360	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion:168 Resp: 245933

Ion Ratio Lower Upper

168 100

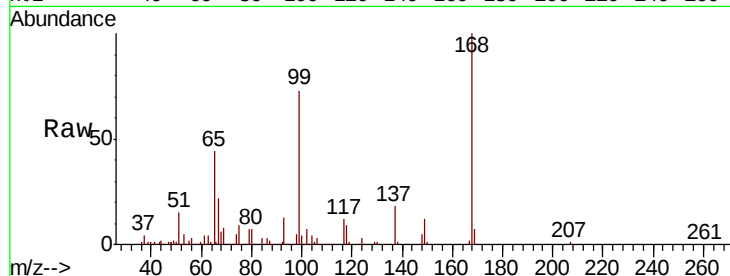
99 72.6 54.8 82.2

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

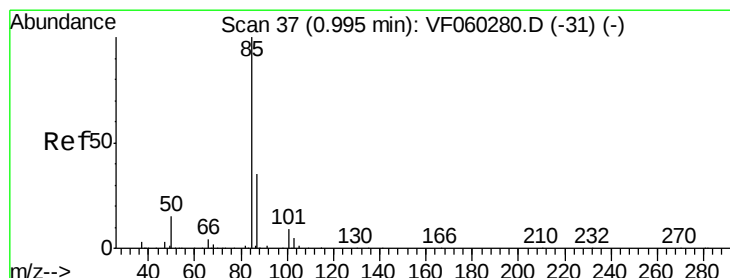
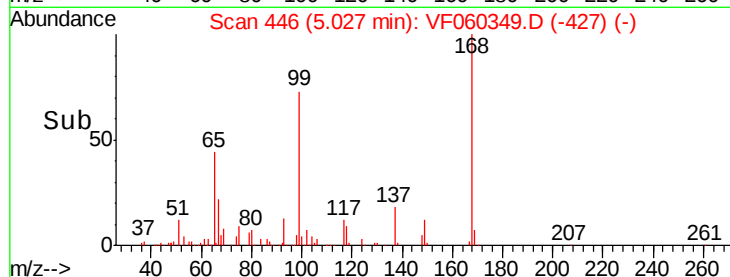
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 27.443 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060349.D

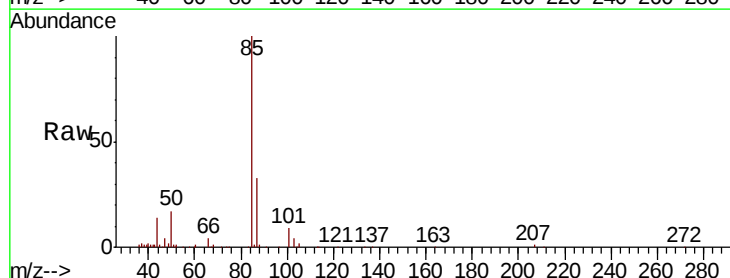
Acq: 26 Sep 2018 14:01

Tgt Ion: 85 Resp: 111429

Ion Ratio Lower Upper

85 100

87 33.0 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

40000

30000

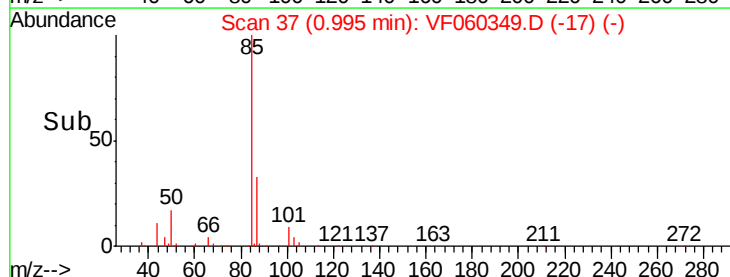
20000

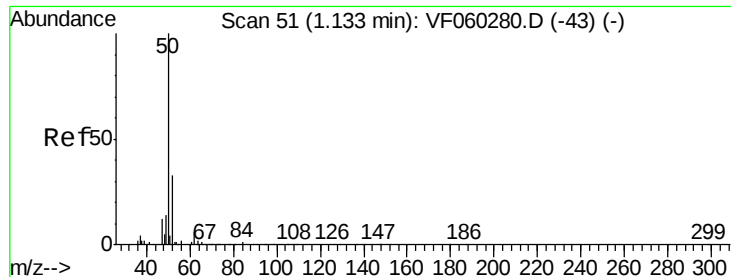
10000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 24.615 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 50 Resp: 82494

Ion Ratio Lower Upper

50 100

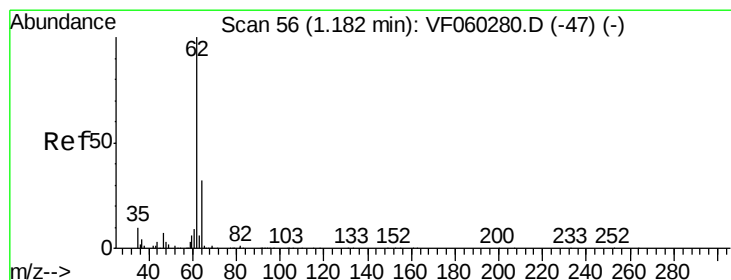
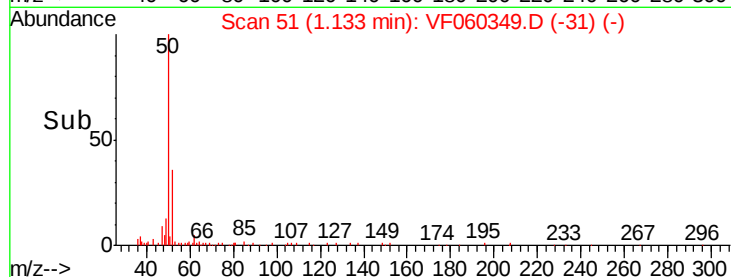
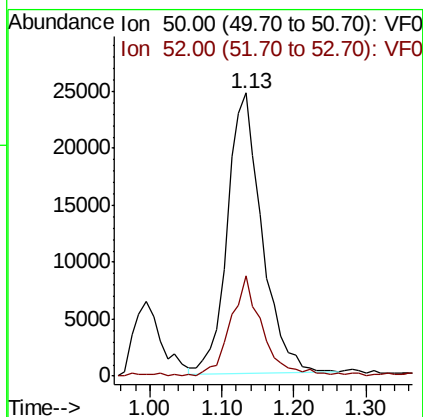
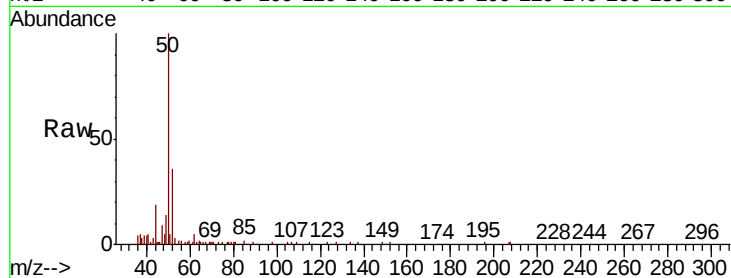
52 35.6 26.5 39.7

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



#4

Vinyl Chloride

Concen: 24.638 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060349.D

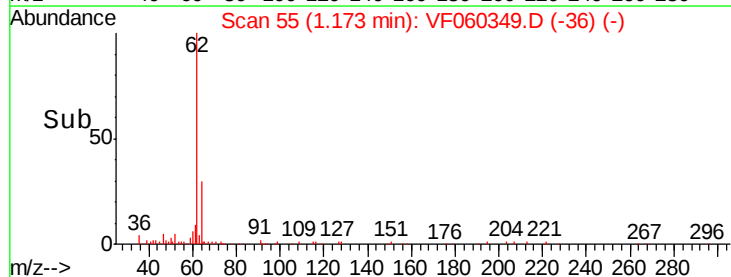
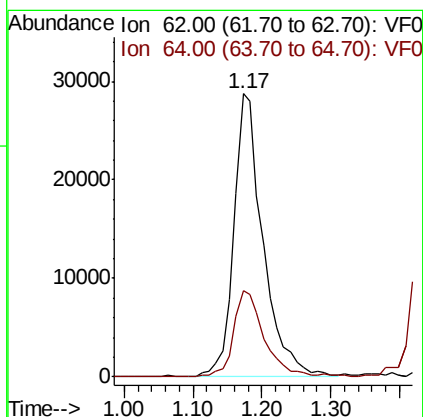
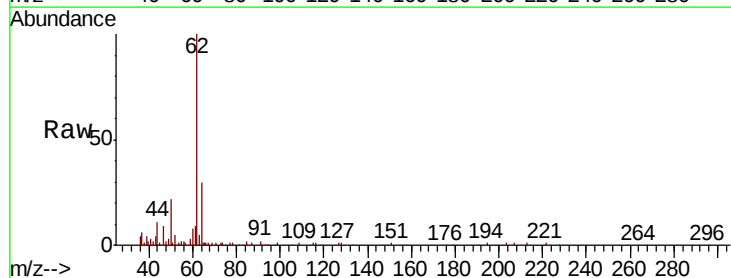
Acq: 26 Sep 2018 14:01

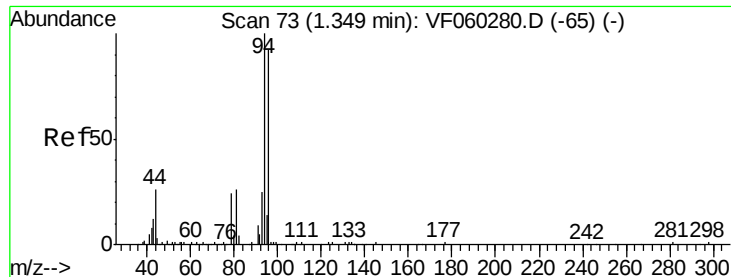
Tgt Ion: 62 Resp: 84152

Ion Ratio Lower Upper

62 100

64 30.3 25.2 37.8





#5

Bromomethane

Concen: 26.772 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 94 Resp: 57854

Ion Ratio Lower Upper

94 100

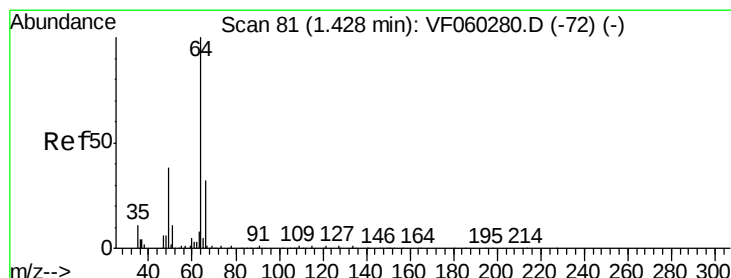
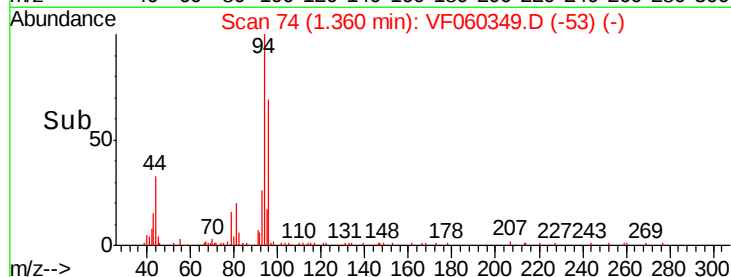
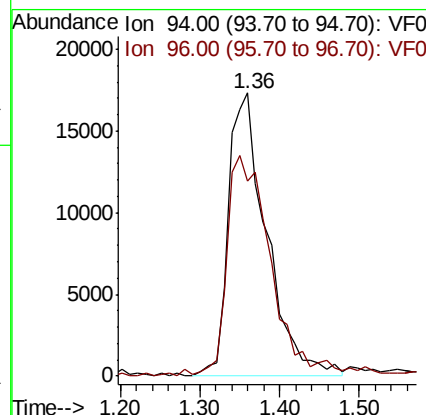
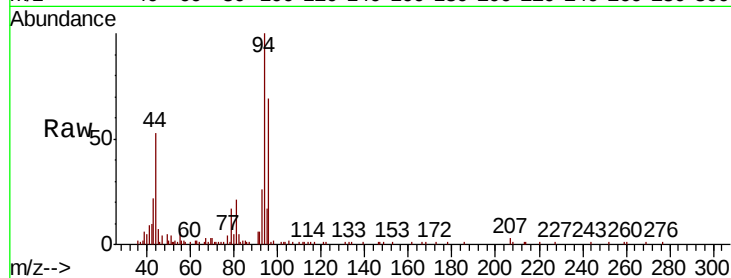
96 68.9 73.9 110.9#

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



#6

Chloroethane

Concen: 23.376 ug/l

RT: 1.44 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF060349.D

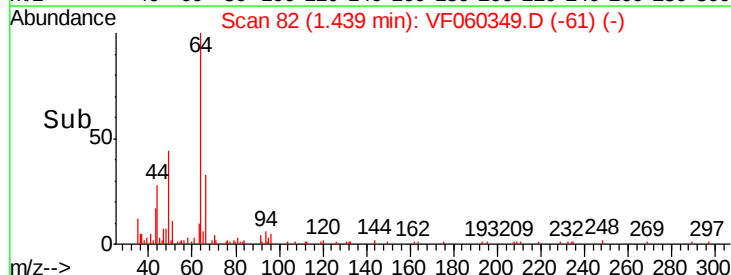
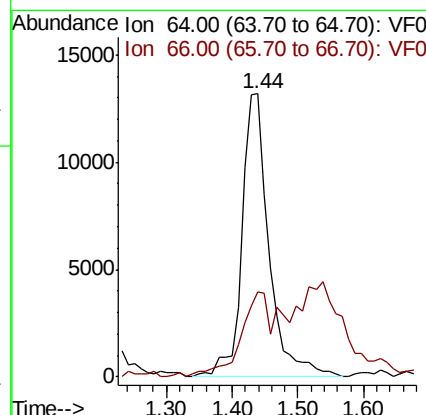
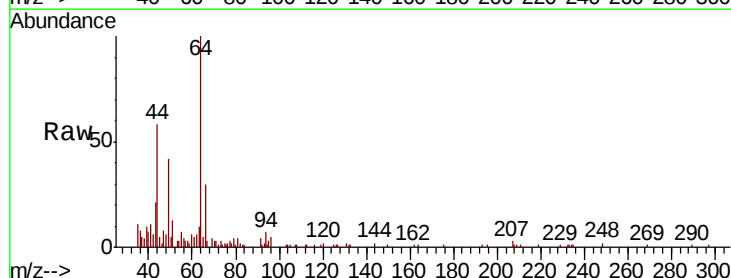
Acq: 26 Sep 2018 14:01

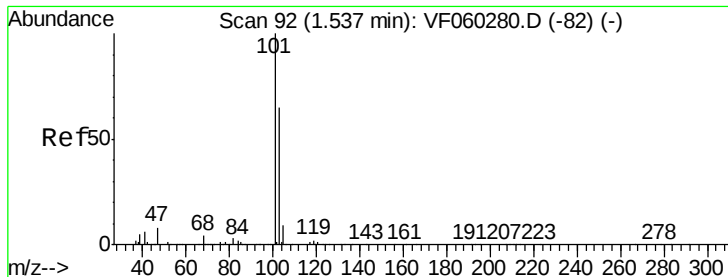
Tgt Ion: 64 Resp: 38025

Ion Ratio Lower Upper

64 100

66 30.2 26.2 39.2





#7

Trichlorofluoromethane

Concen: 25.437 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion:101 Resp: 161863

Ion Ratio Lower Upper

101 100

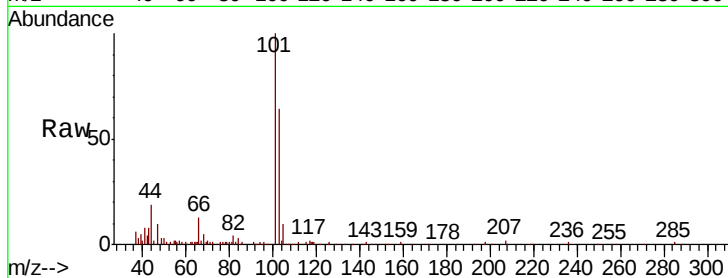
103 64.4 52.0 78.0

Manual Integrations

APPROVED

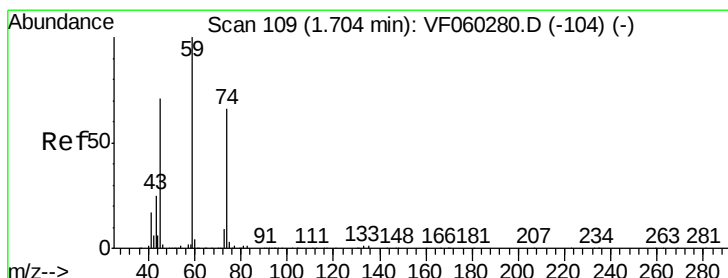
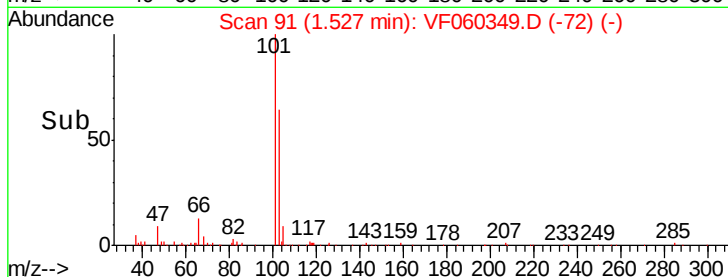
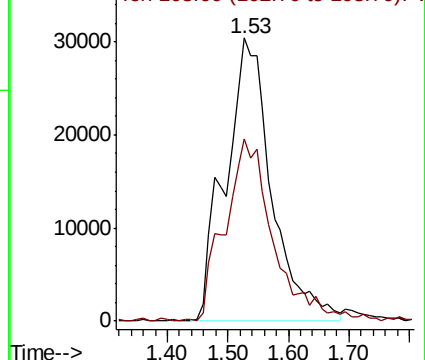
apatel

9/27/2018 9:56:16 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 25.188 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060349.D

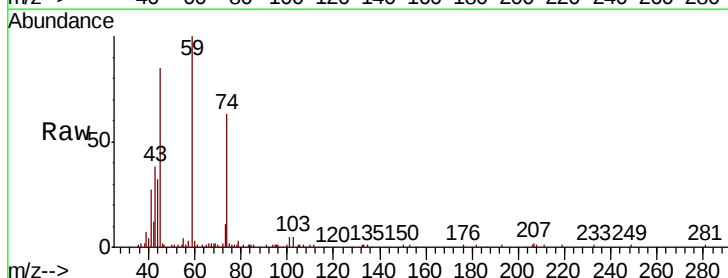
Acq: 26 Sep 2018 14:01

Tgt Ion: 74 Resp: 26666

Ion Ratio Lower Upper

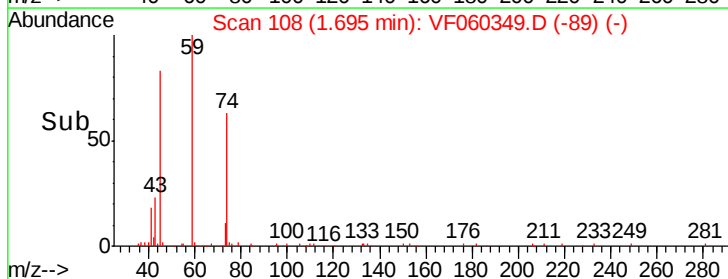
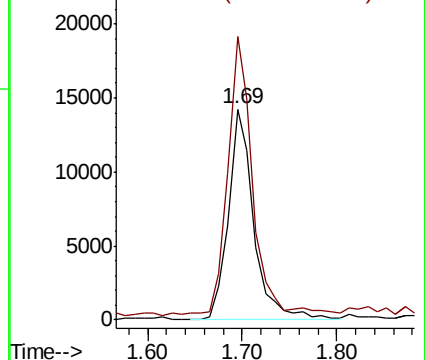
74 100

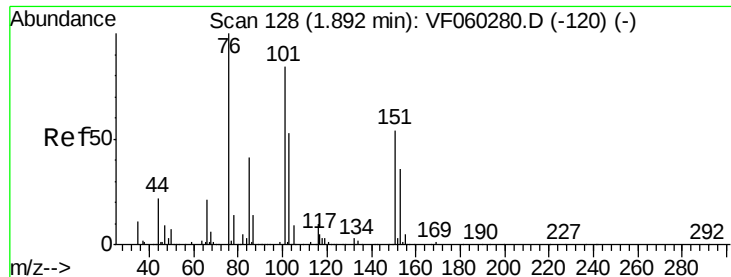
45 134.4 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.886 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

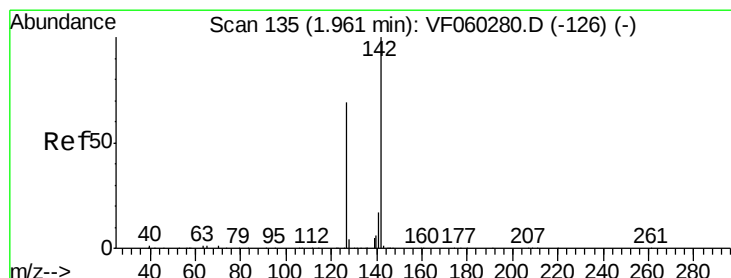
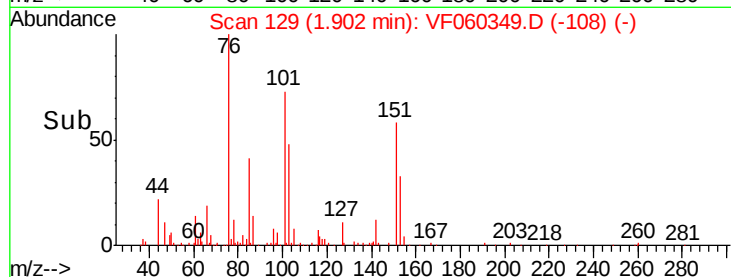
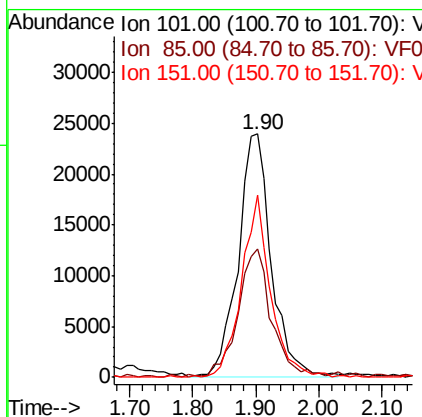
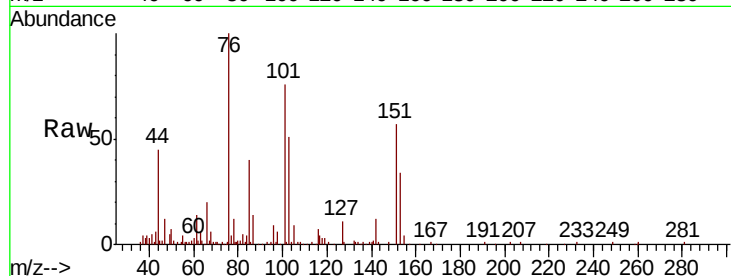
ClientSampleId :

VF0926SBS01

Tot Ion:	101	Resp:	87599
Ion Ratio	Lower	Upper	
101	100		
85	52.9	38.7	58.1
151	74.8	50.8	76.2

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM



#10

Methyl Iodide

Concen: 24.447 ug/l m

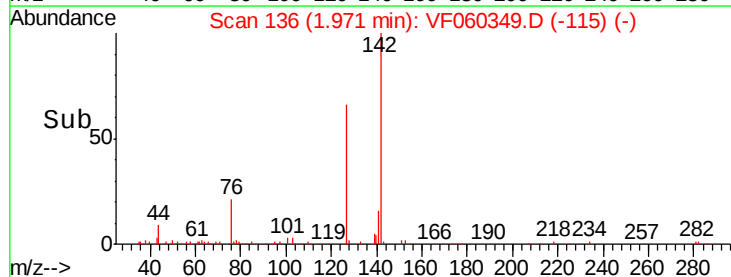
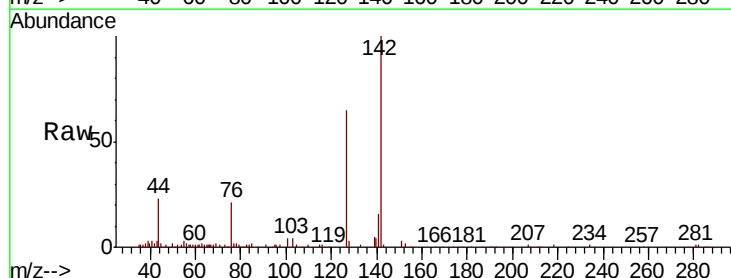
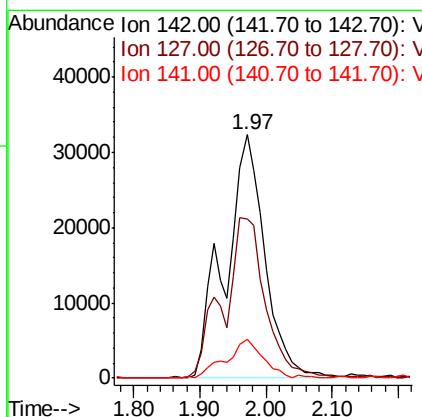
RT: 1.97 min Scan# 136

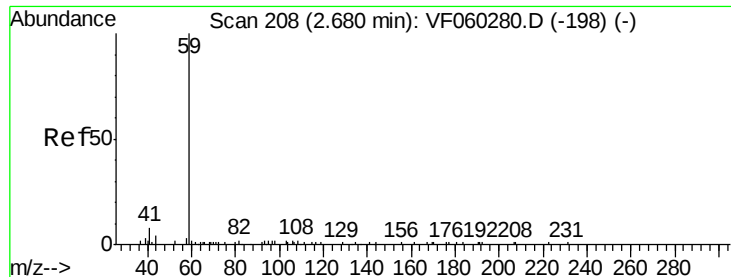
Delta R.T. 0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion:	142	Resp:	133412
Ion Ratio	Lower	Upper	
142	100		
127	65.4	55.4	83.0
141	16.1	13.3	19.9





#11

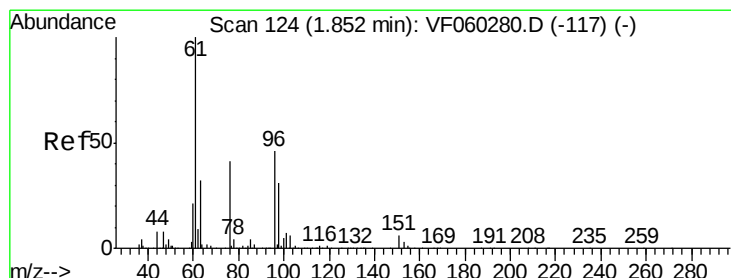
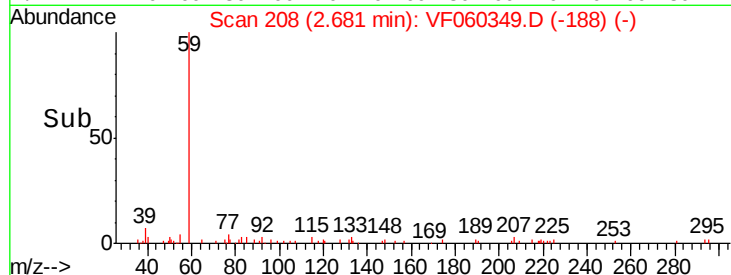
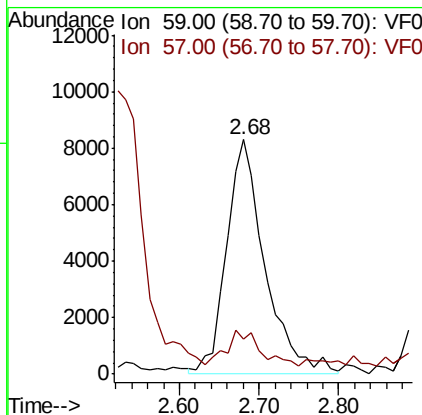
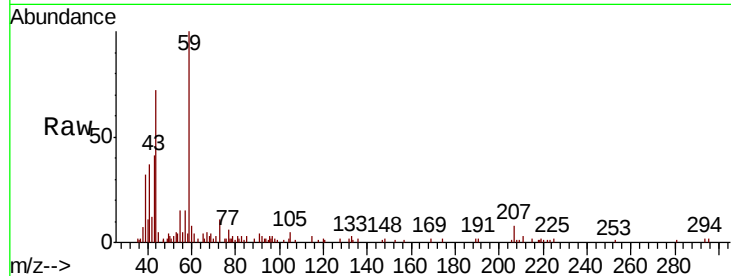
Tert butyl alcohol
Concen: 144.317 ug/l
RT: 2.68 min Scan# 208
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.1	12.4	18.6

Manual Integrations
APPROVED

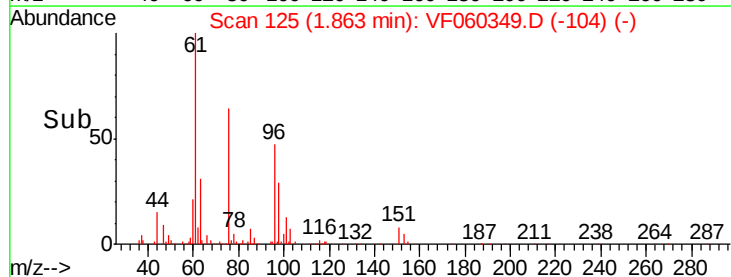
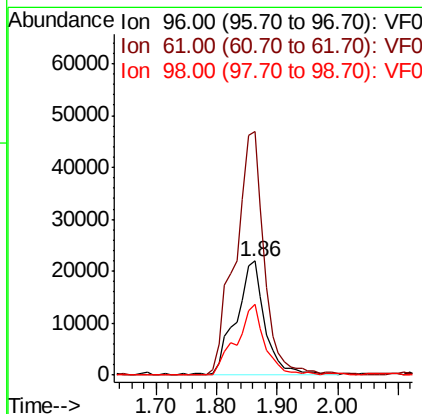
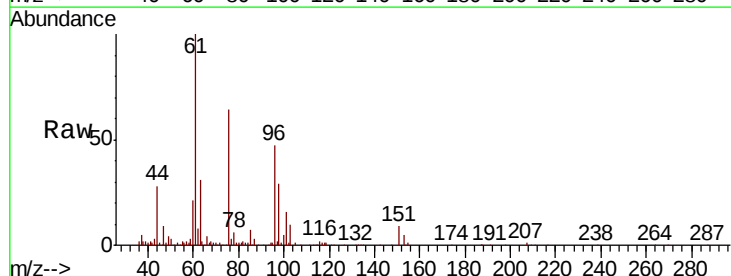
apatel
9/27/2018 9:56:16 AM

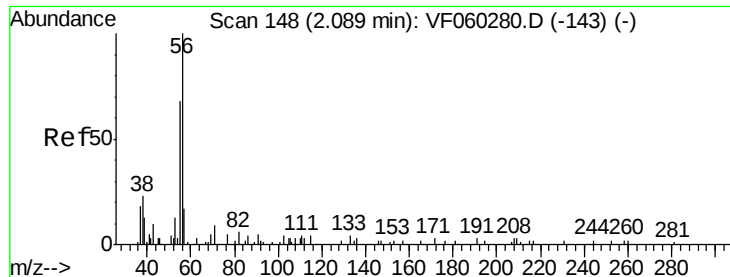


#12

1,1-Dichloroethene
Concen: 25.633 ug/l
RT: 1.86 min Scan# 125
Delta R.T. 0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	213.0	172.2	258.2
98	62.1	54.1	81.1





#13

Acrolein

Concen: 141.514 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 56 Resp: 10238

Ion Ratio Lower Upper

56 100

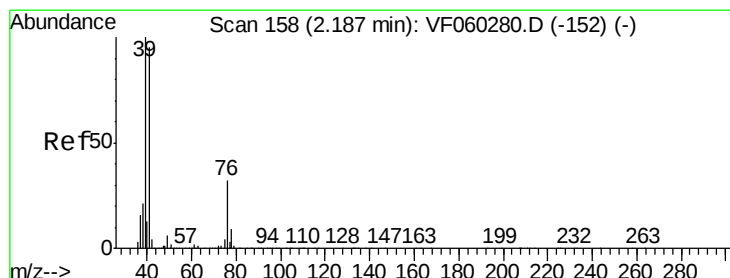
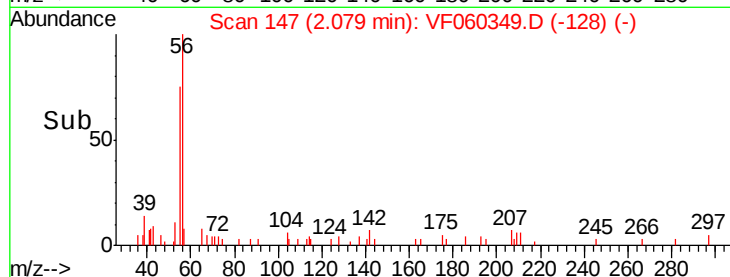
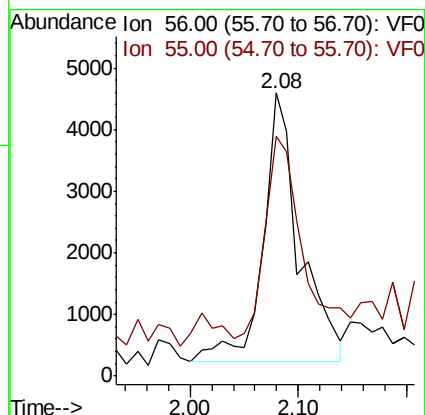
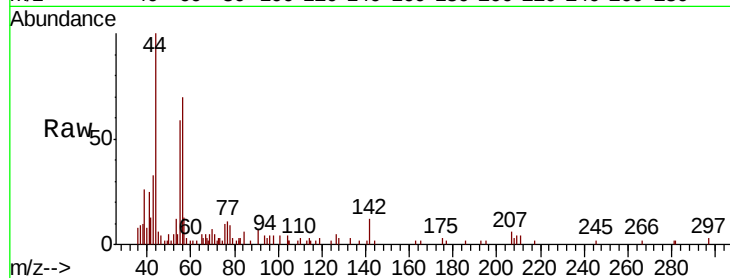
55 84.9 69.9 104.9

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



#14

Allyl chloride

Concen: 22.940 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

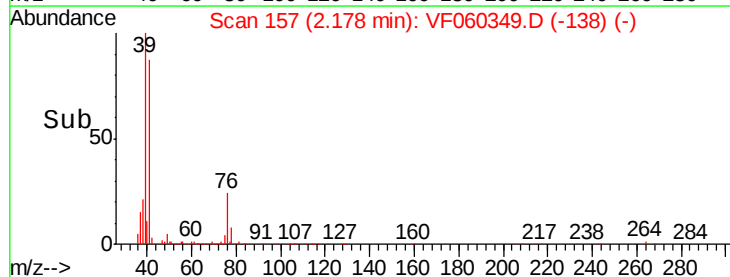
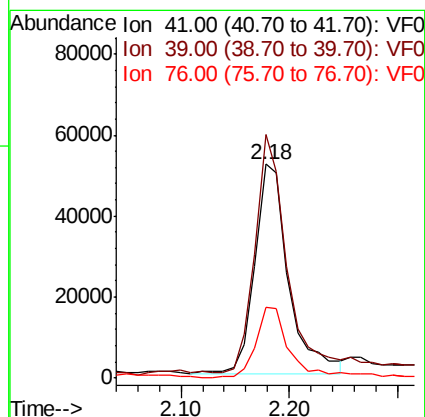
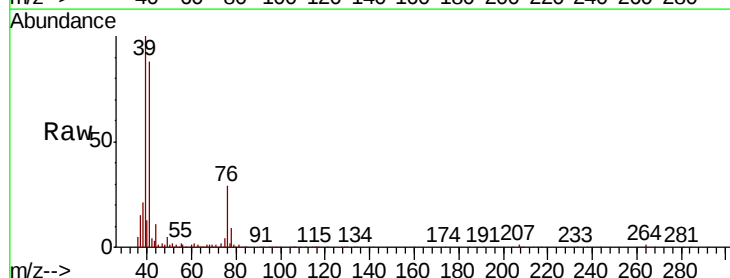
Tgt Ion: 41 Resp: 112035

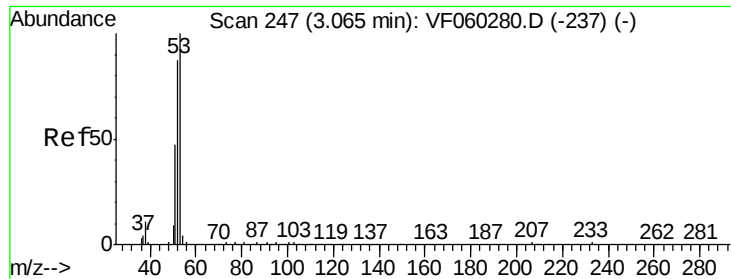
Ion Ratio Lower Upper

41 100

39 113.9 84.8 127.2

76 33.2 27.4 41.2





#15

Acrylonitrile

Concen: 113.973 ug/l

RT: 3.07 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

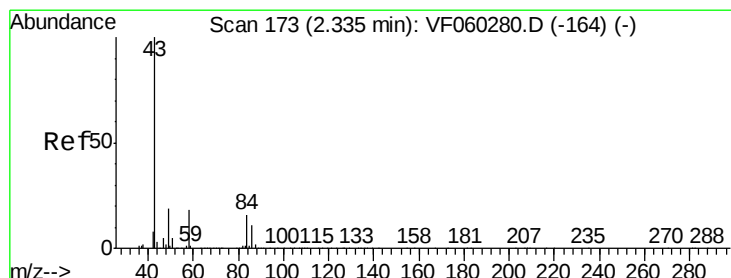
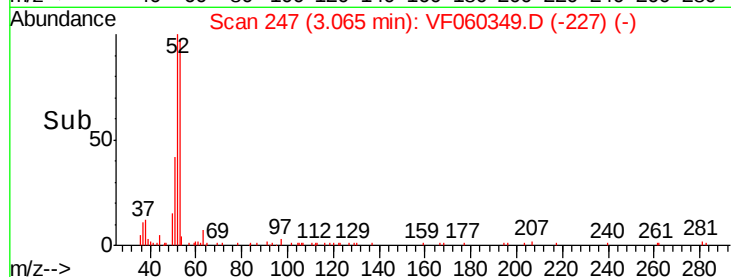
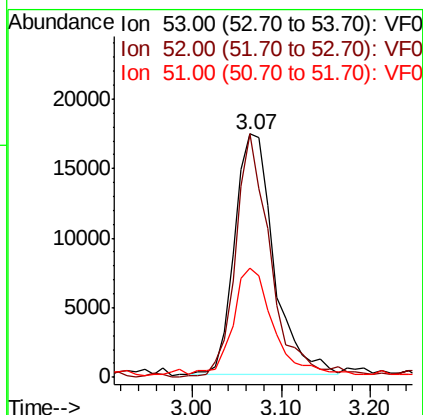
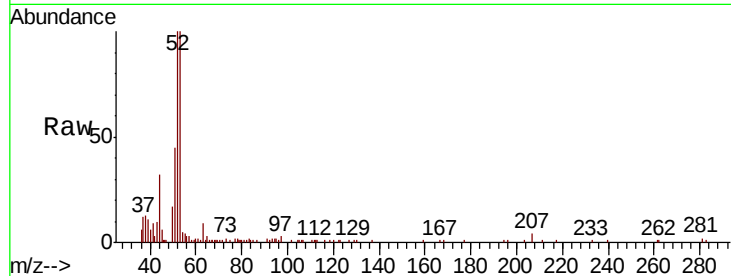
ClientSampleId :

VF0926SBS01

Tot Ion:	53	Resp:	53306
Ion Ratio	Lower	Upper	
53	100		
52	100.1	69.5	104.3
51	44.7	38.1	57.1

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM



#16

Acetone

Concen: 122.139 ug/l

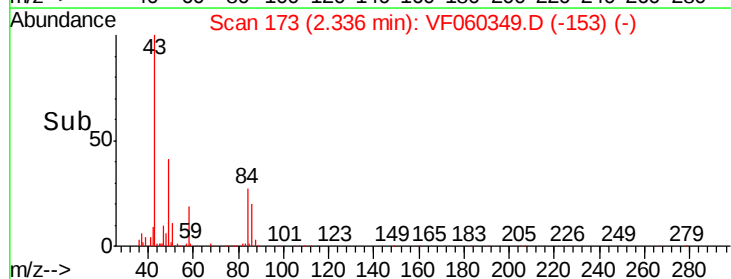
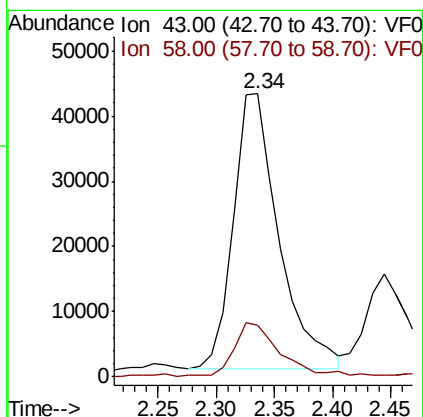
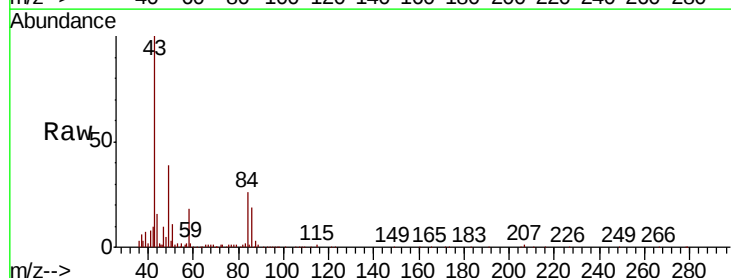
RT: 2.34 min Scan# 173

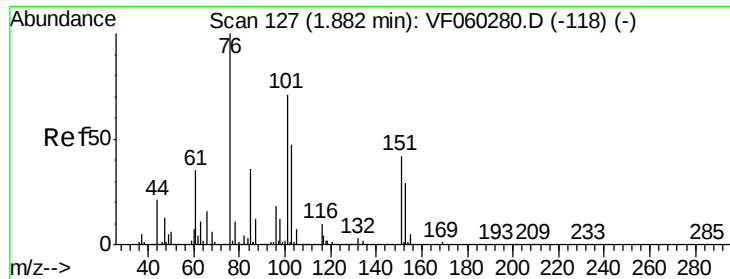
Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion:	43	Resp:	113908
Ion Ratio	Lower	Upper	
43	100		
58	18.4	14.5	21.7





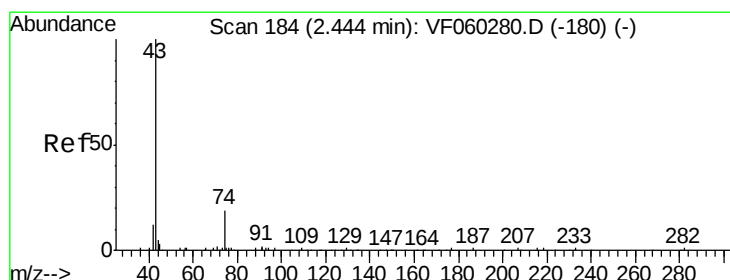
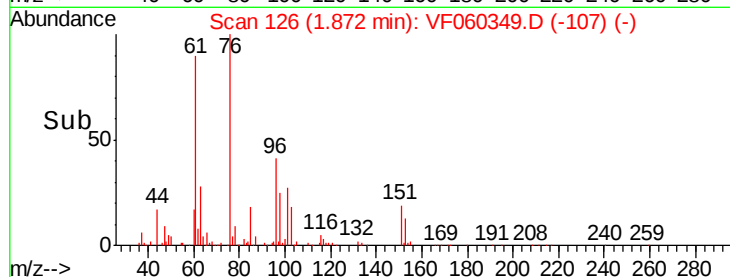
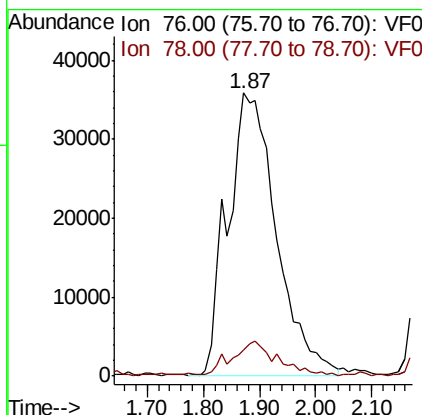
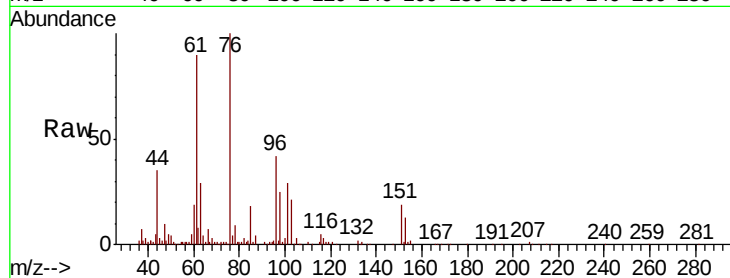
#17
Carbon Disulfide
Concen: 27.665 ug/l
RT: 1.87 min Scan# 126
Delta R.T. -0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	9.4	14.0#

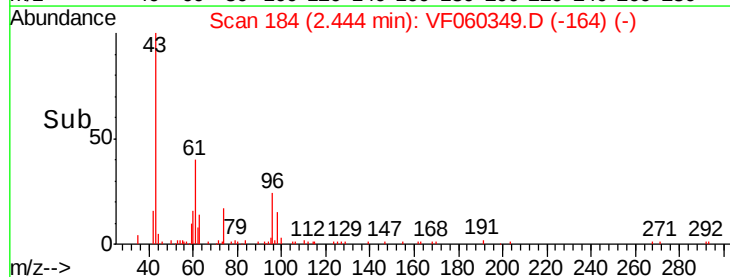
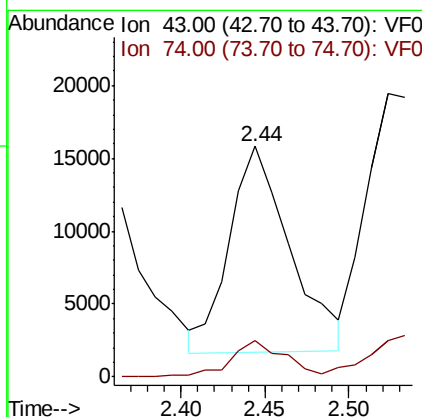
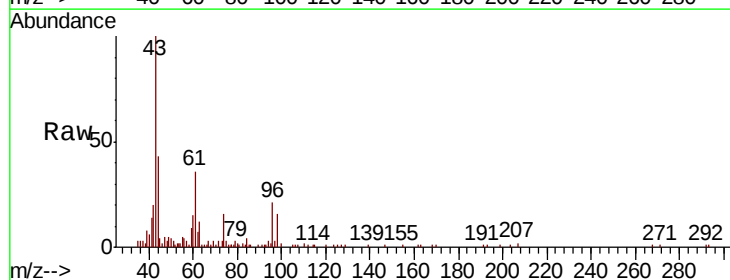
Manual Integrations
APPROVED

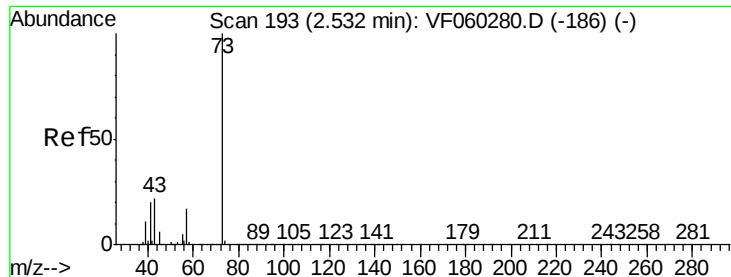
apatel
9/27/2018 9:56:16 AM



#18
Methyl Acetate
Concen: 22.900 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.6	12.7	19.1





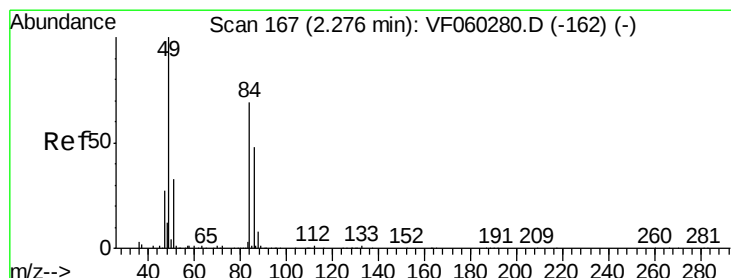
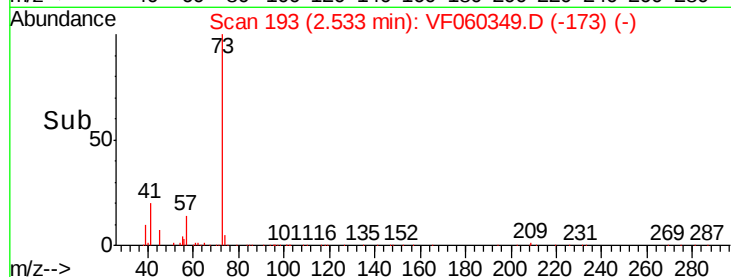
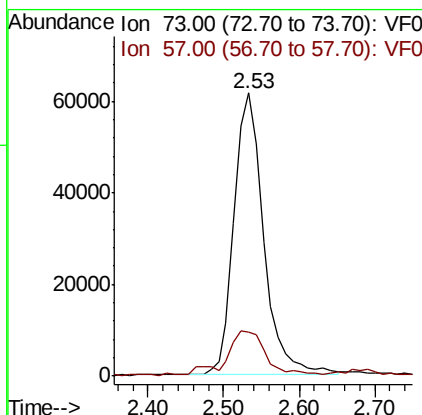
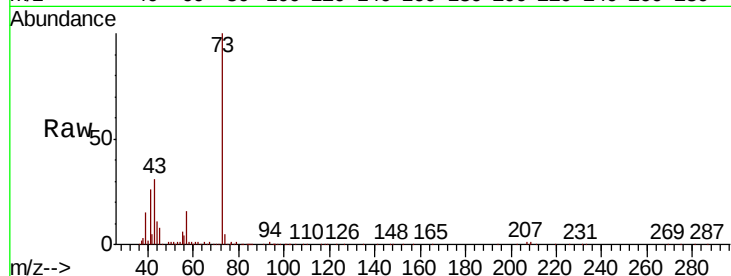
#19
Methvl tert-butvl Ether
Concen: 23.884 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.7	14.5	21.7

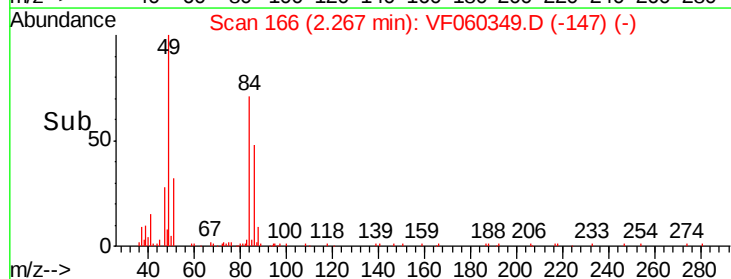
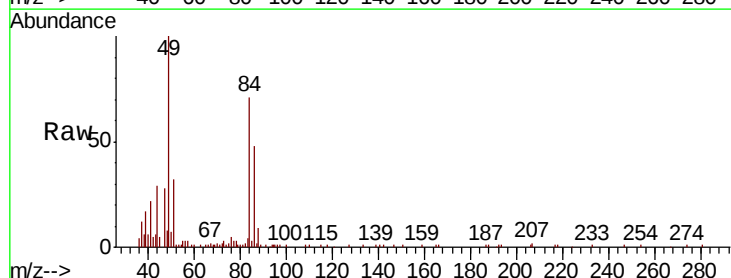
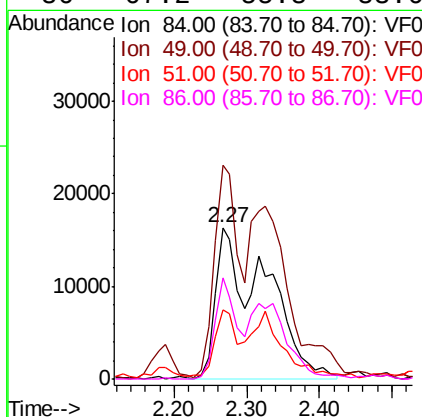
Manual Integrations
APPROVED

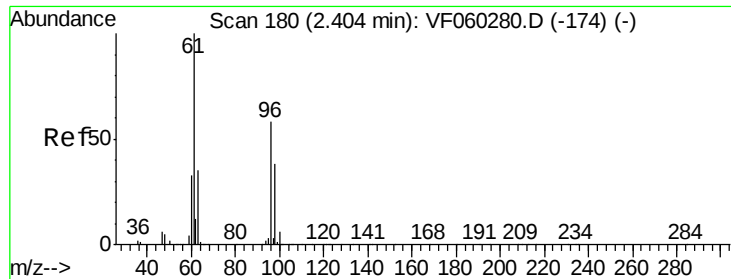
apatel
9/27/2018 9:56:16 AM



#20
Methylene Chloride
Concen: 27.622 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.2	118.3	177.5
51	45.6	38.7	58.1
86	67.2	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 24.831 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

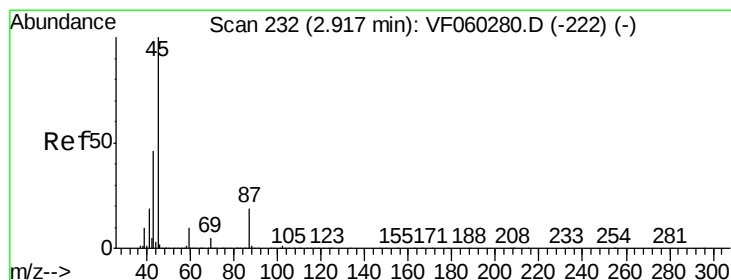
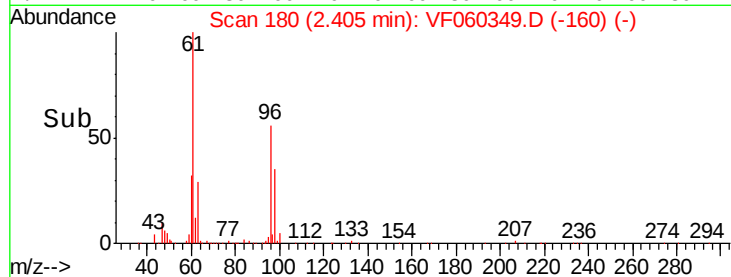
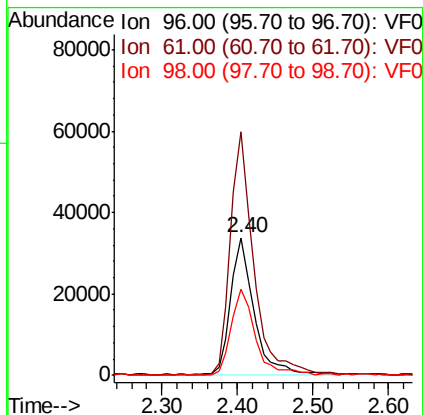
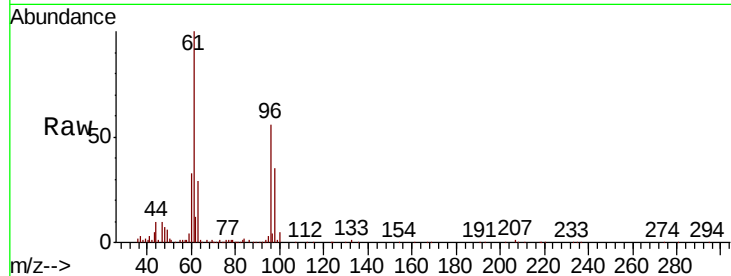
ClientSampleId :

VF0926SBS01

Tot Ion:	96	Resp:	71775
Ion	Ratio	Lower	Upper
96	100		
61	177.2	136.4	204.6
98	62.8	51.8	77.6

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM



#22

Diisopropyl ether

Concen: 24.513 ug/l

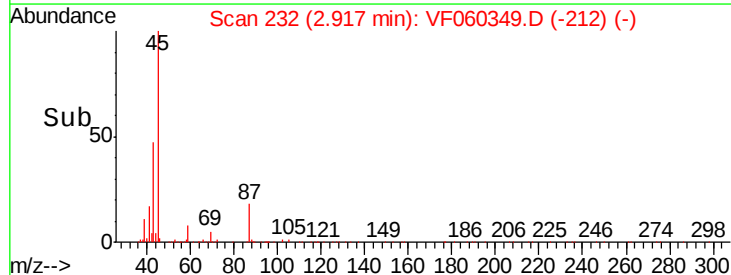
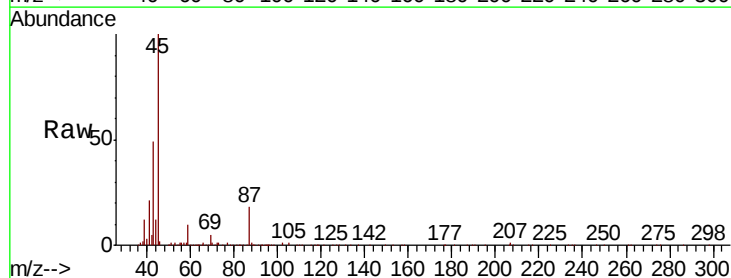
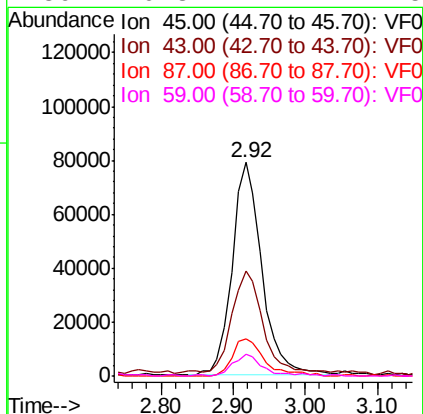
RT: 2.92 min Scan# 232

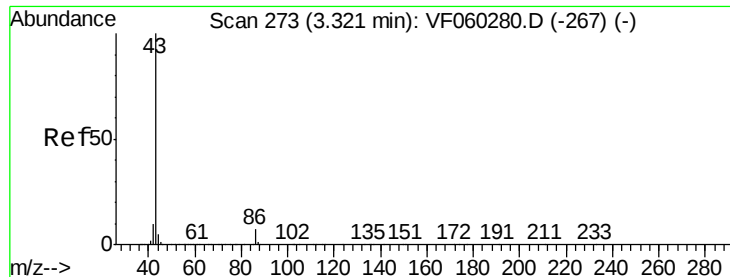
Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion:	45	Resp:	225872
Ion	Ratio	Lower	Upper
45	100		
43	49.2	38.2	57.2
87	17.7	15.5	23.3
59	10.3	7.7	11.5





#23

Vinyl Acetate

Concen: 125.420 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 43 Resp: 453896

Ion Ratio Lower Upper

43 100

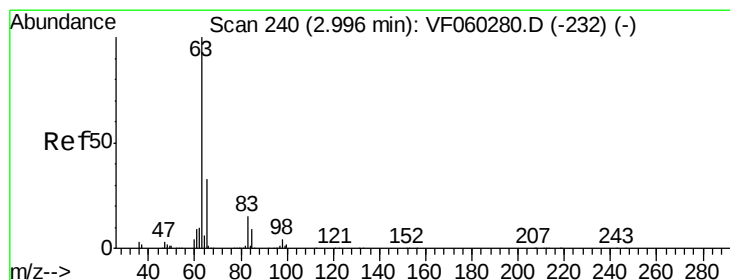
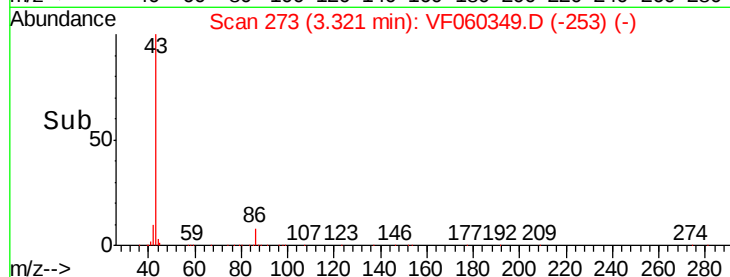
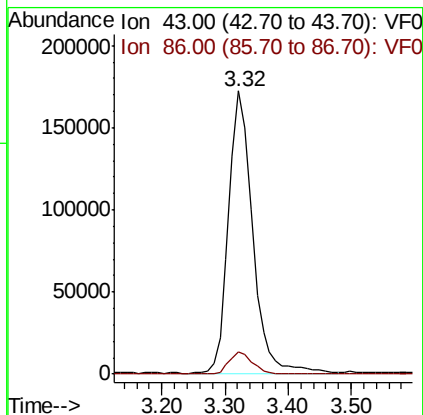
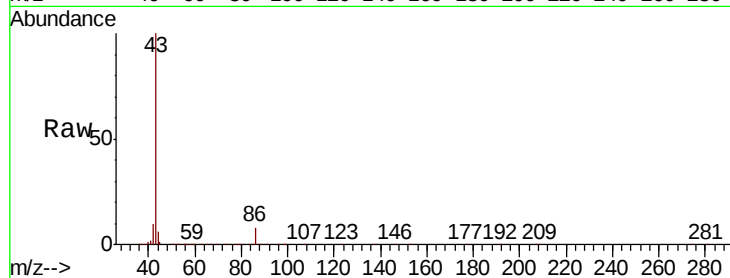
86 8.1 5.9 8.9

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



#24

1,1-Dichloroethane

Concen: 24.908 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

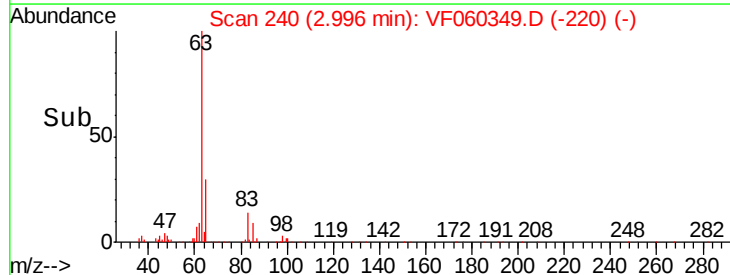
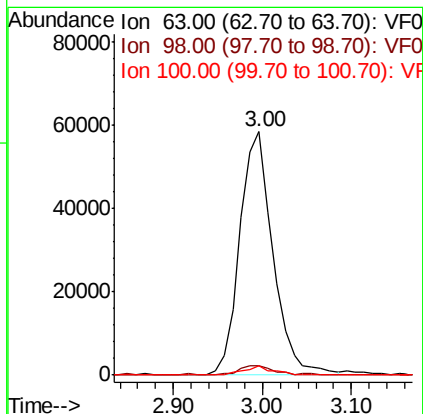
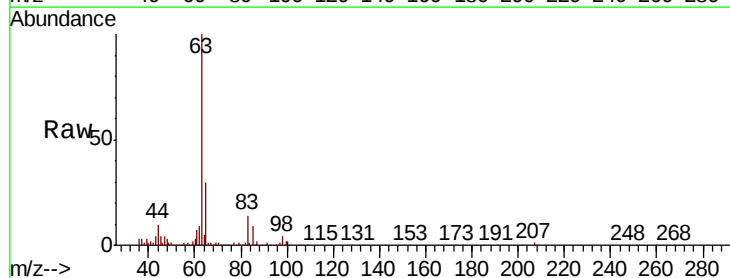
Tgt Ion: 63 Resp: 148848

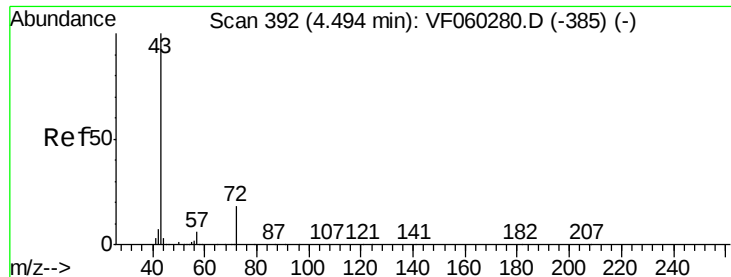
Ion Ratio Lower Upper

63 100

98 3.8 2.1 6.5

100 3.7 1.1 3.3#





#25

2-Butanone

Concen: 111.716 ug/l

RT: 4.50 min Scan# 393

Delta R.T. 0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 43 Resp: 140236

Ion Ratio Lower Upper

43 100

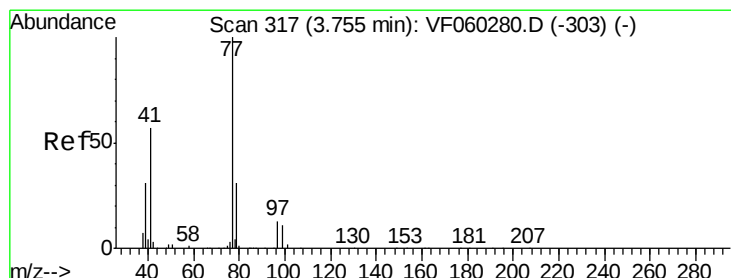
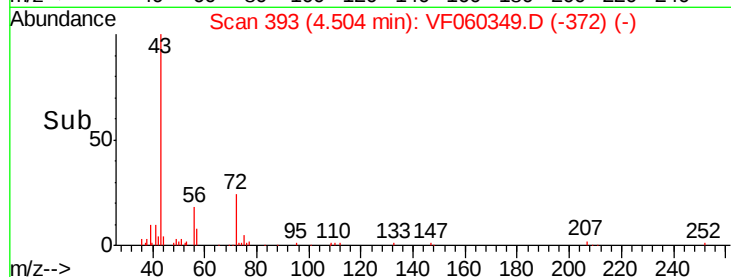
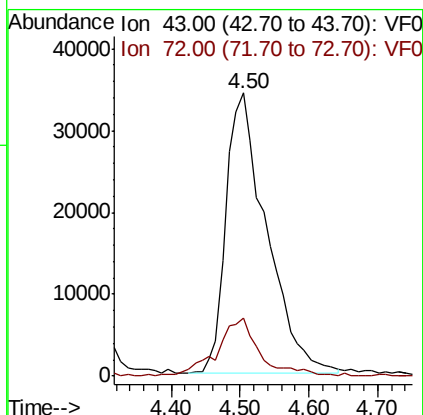
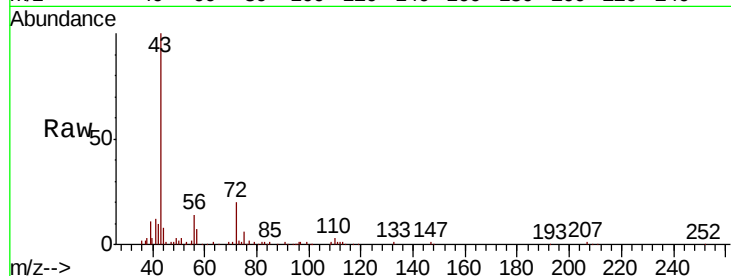
72 20.4 16.2 24.2

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



#26

2,2-Dichloropropane

Concen: 24.149 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060349.D

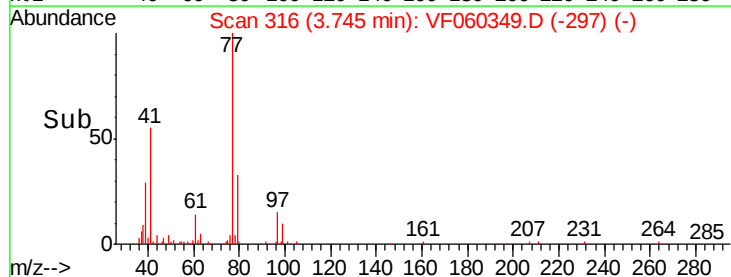
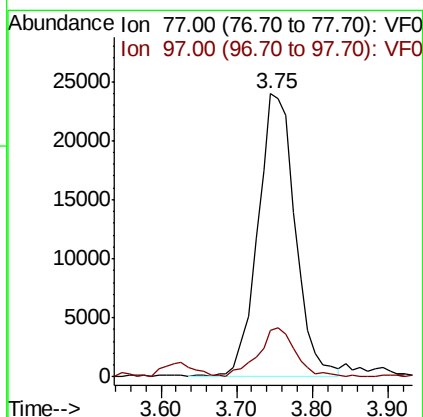
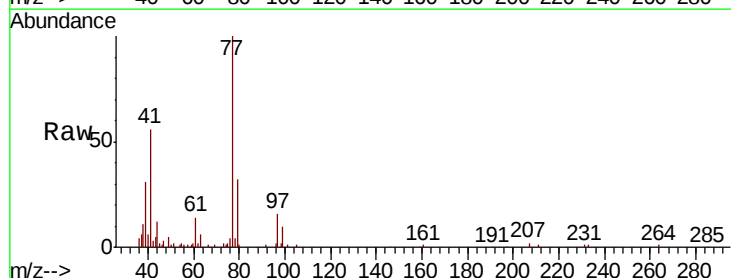
Acq: 26 Sep 2018 14:01

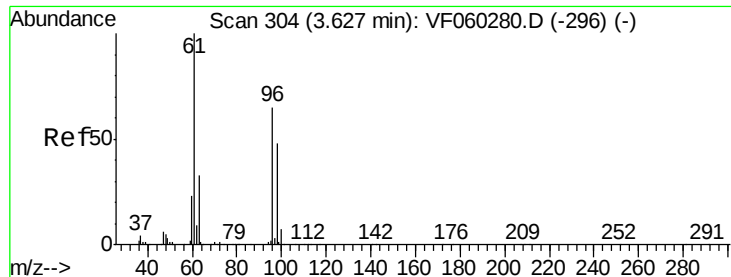
Tgt Ion: 77 Resp: 82342

Ion Ratio Lower Upper

77 100

97 16.3 9.3 27.9





#27

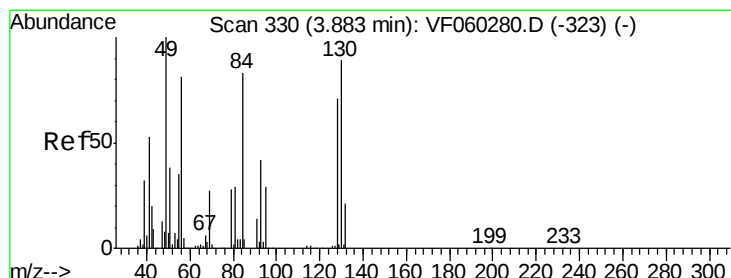
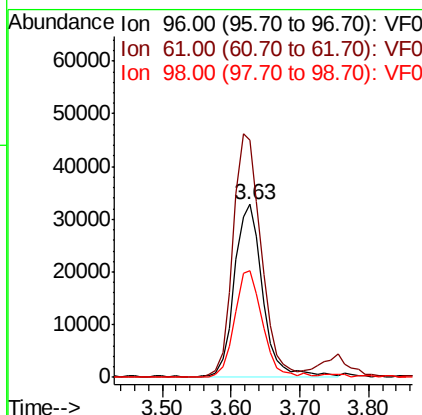
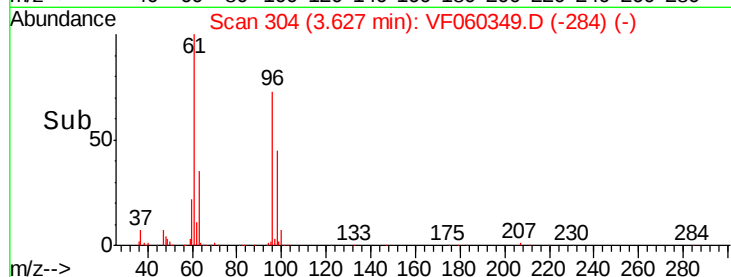
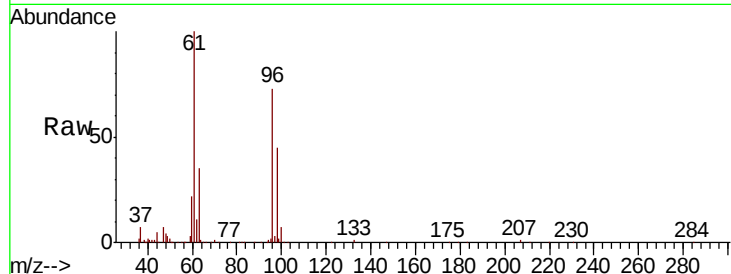
cis-1,2-Dichloroethene
Concen: 24.722 ug/l
RT: 3.63 min Scan# 304
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.9	0.0	304.8	
98	61.3	0.0	146.4	

Manual Integrations
APPROVED

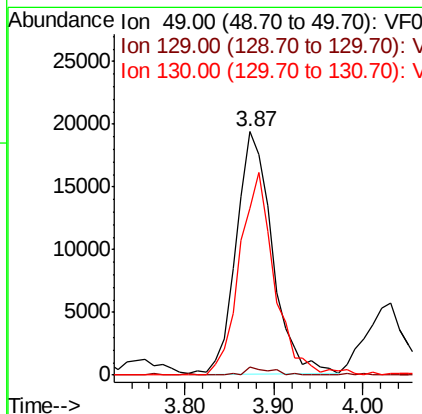
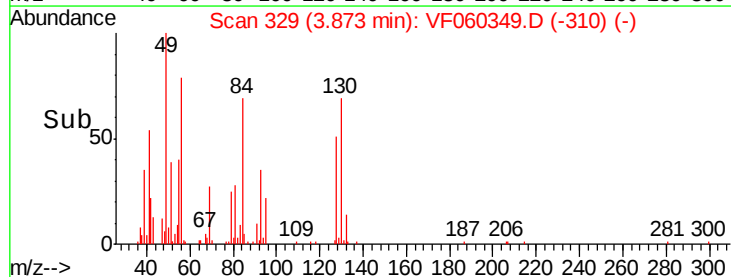
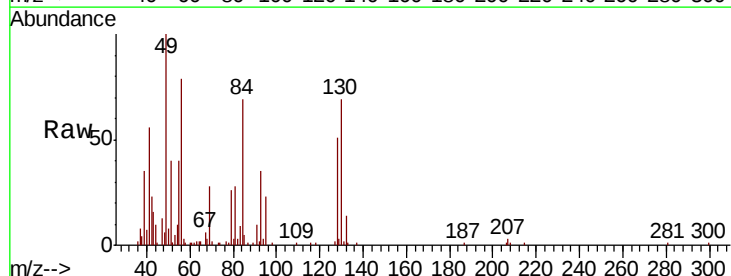
apatel
9/27/2018 9:56:16 AM

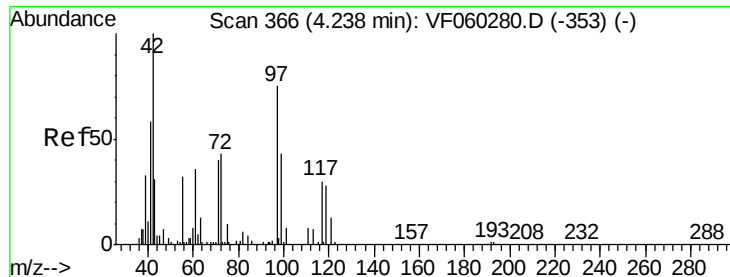


#28

Bromochloromethane
Concen: 23.281 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.5	0.0	4.2	
130	68.7	70.3	105.5	





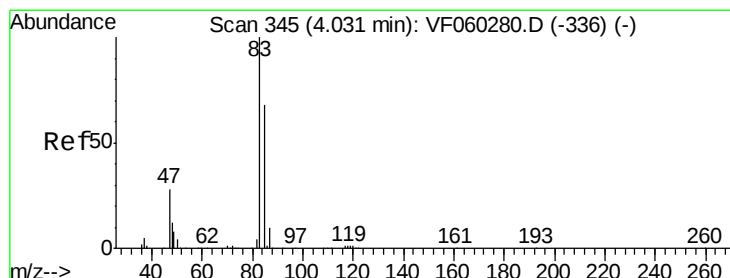
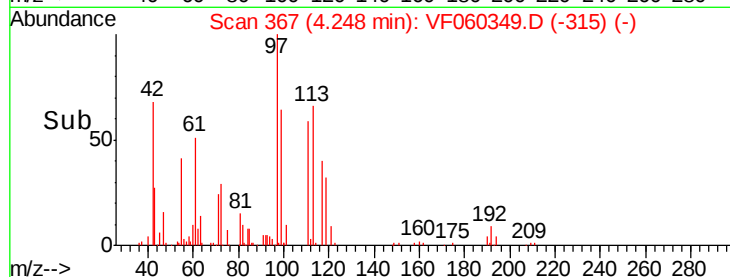
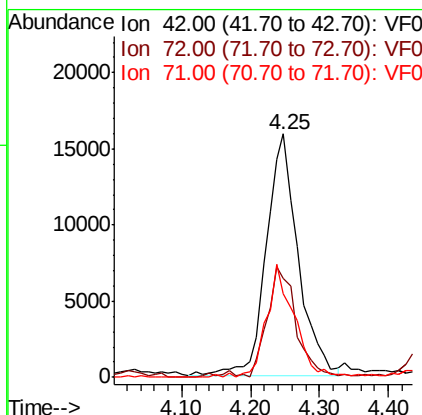
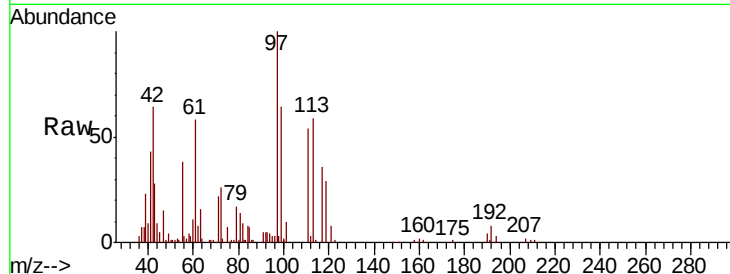
#29
Tetrahydrofuran
Concen: 111.516 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.6	49.0
71	41.0	32.7	49.1

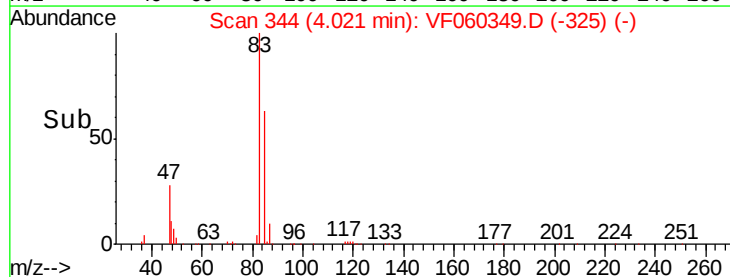
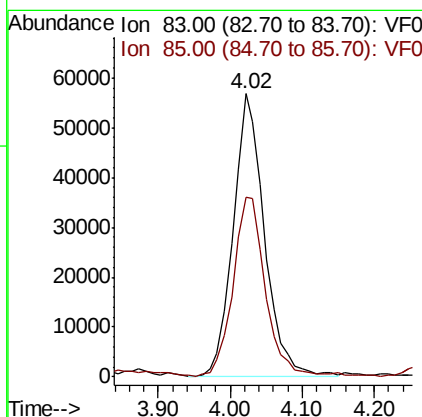
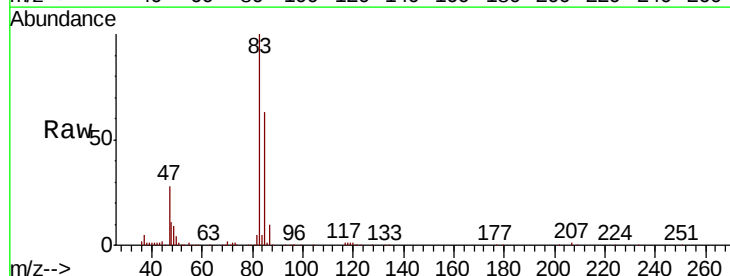
Manual Integrations
APPROVED

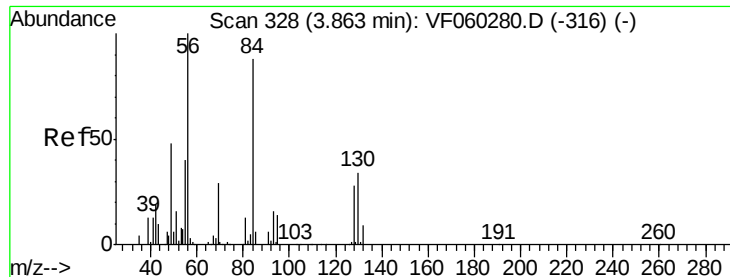
apatel
9/27/2018 9:56:16 AM



#30
Chloroform
Concen: 23.895 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	54.9	82.3





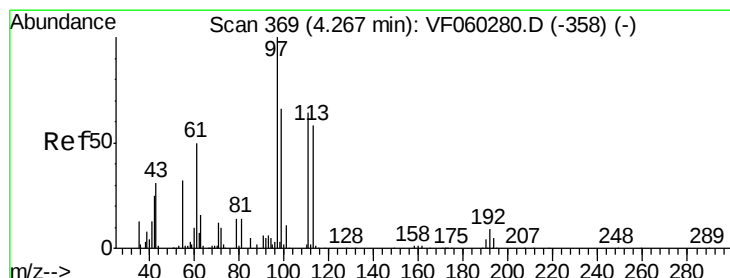
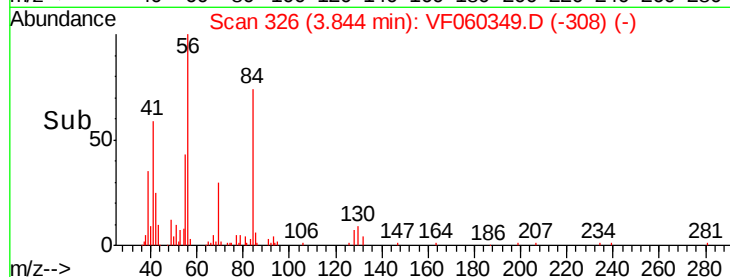
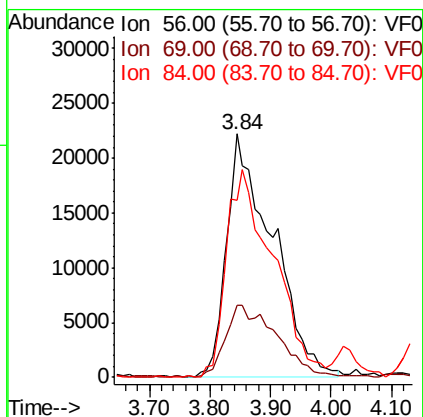
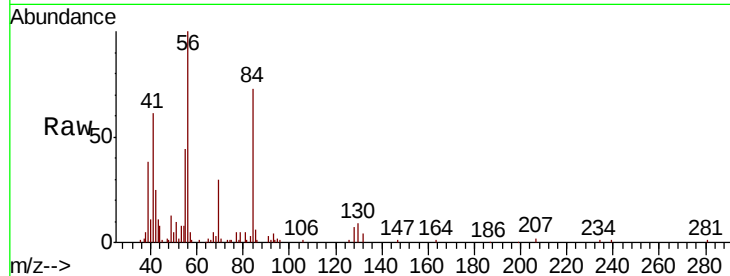
#31
Cyclohexane
Concen: 23.146 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.8	35.6
84	72.8	70.2	105.4

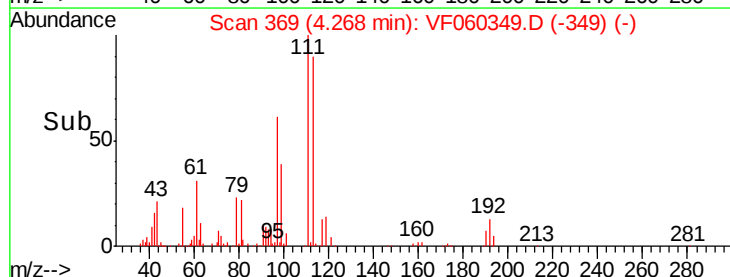
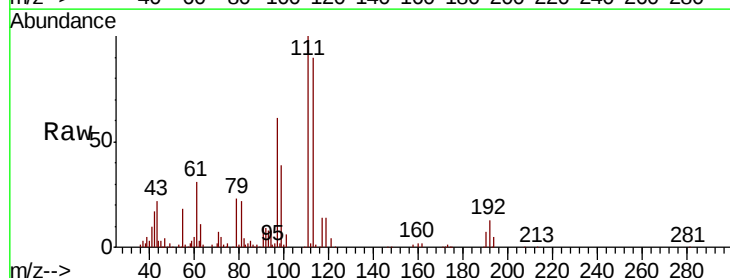
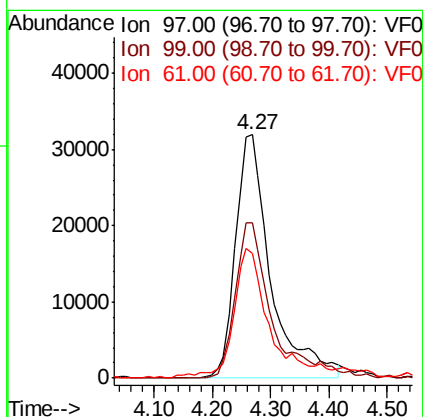
Manual Integrations
APPROVED

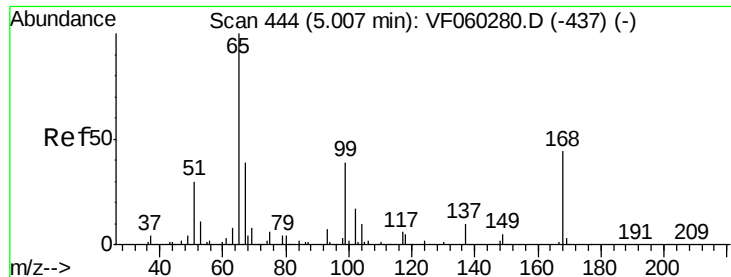
apatel
9/27/2018 9:56:16 AM



#32
1,1,1-Trichloroethane
Concen: 23.733 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	53.0	79.4
61	51.3	40.6	61.0





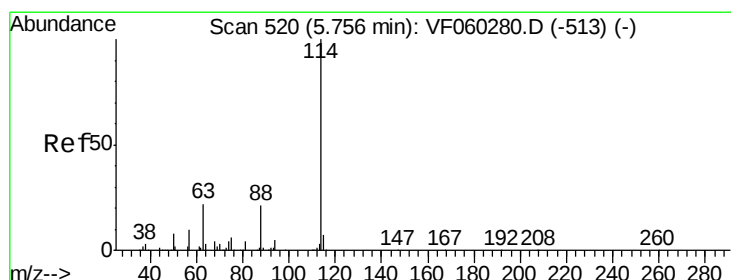
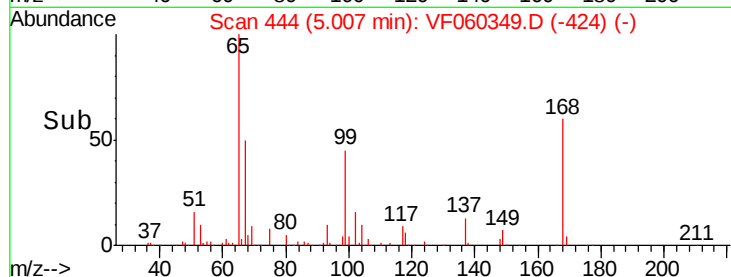
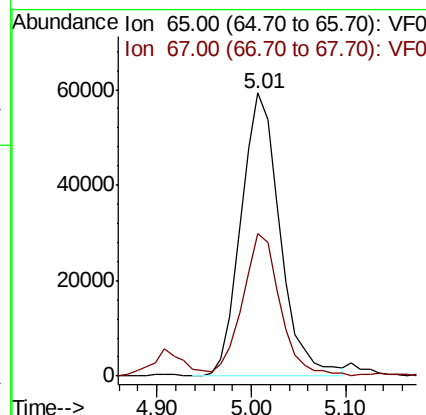
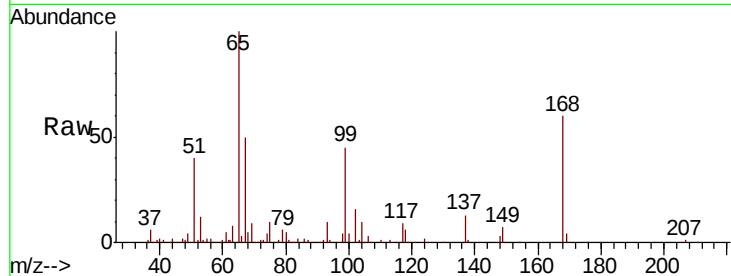
#33
 1,2-Dichloroethane-d4
 Concen: 50.881 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	94.4

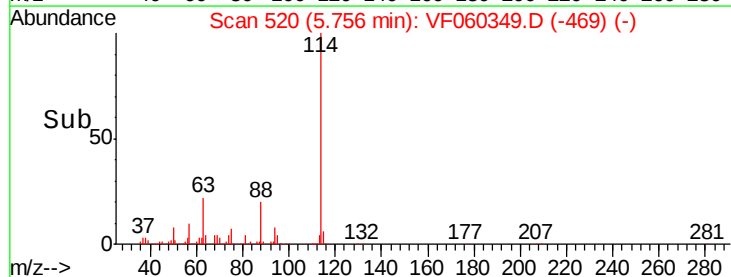
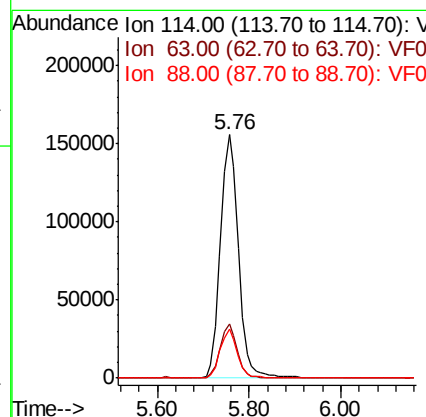
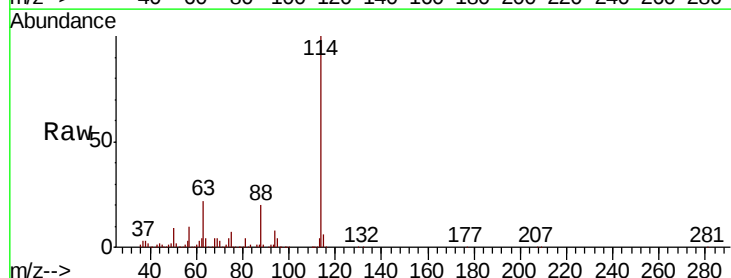
Manual Integrations
 APPROVED

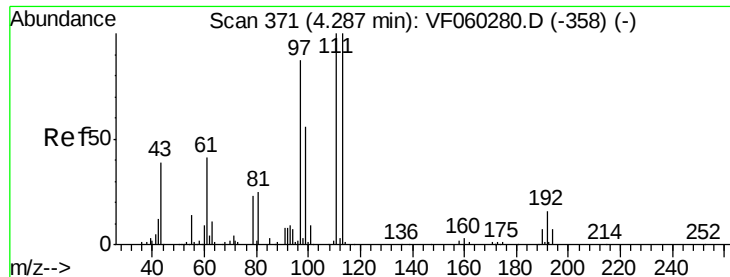
apatel
 9/27/2018 9:56:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.8
88	20.0	0.0	41.2





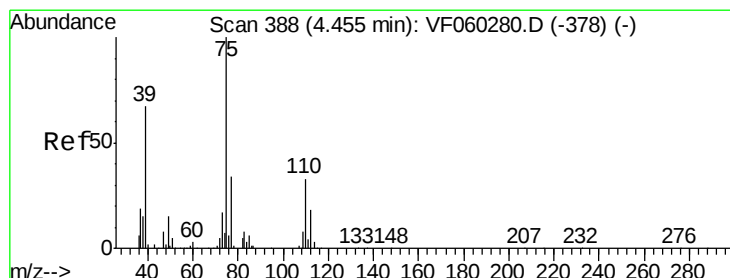
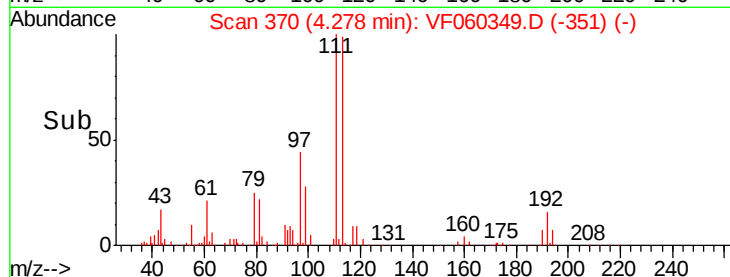
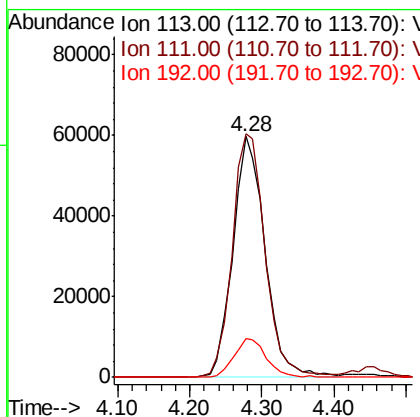
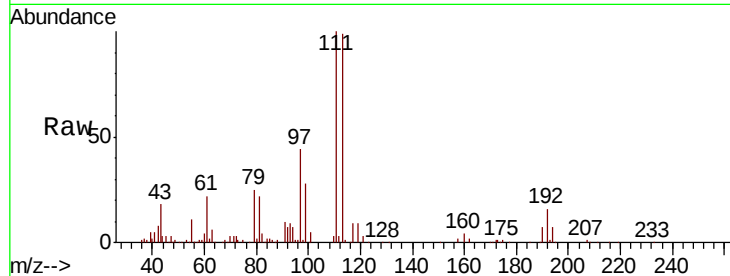
#35
 Dibromofluoromethane
 Concen: 49.573 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186000		
111	101.2	79.6	119.4	
192	15.9	13.0	19.6	

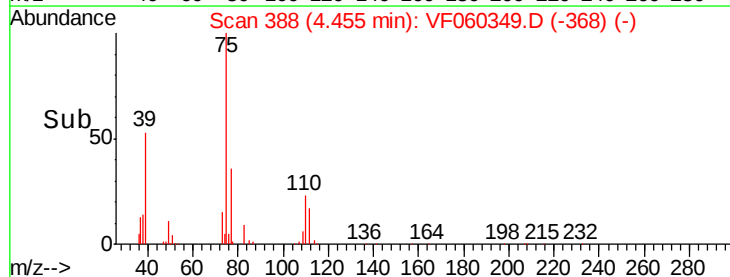
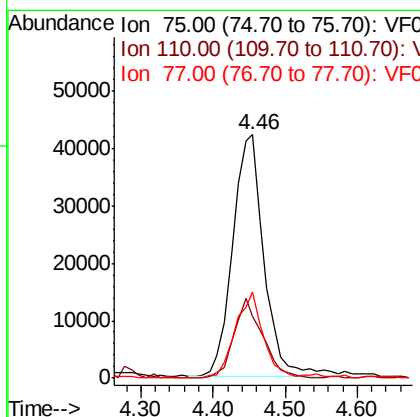
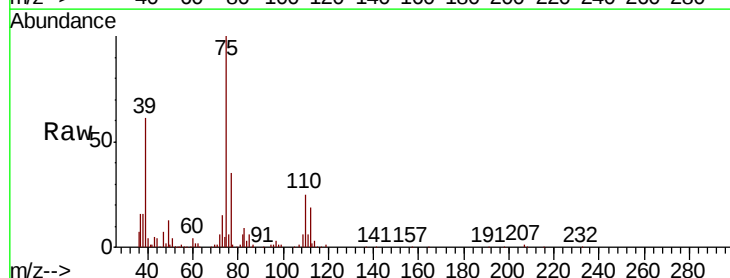
Manual Integrations
 APPROVED

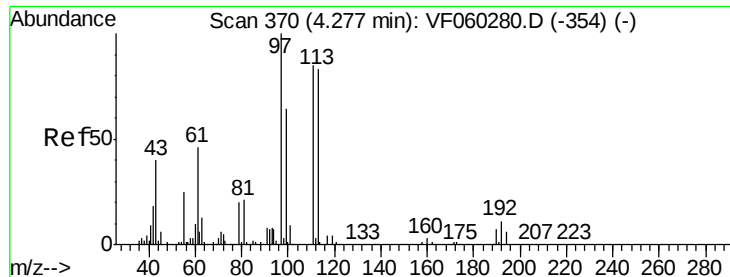
apatel
 9/27/2018 9:56:16 AM



#36
 1,1-Dichloropropene
 Concen: 24.532 ug/l
 RT: 4.46 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128798		
110	25.3	16.4	49.2	
77	35.2	27.3	40.9	





#37

Ethyl Acetate

Concen: 20.808 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

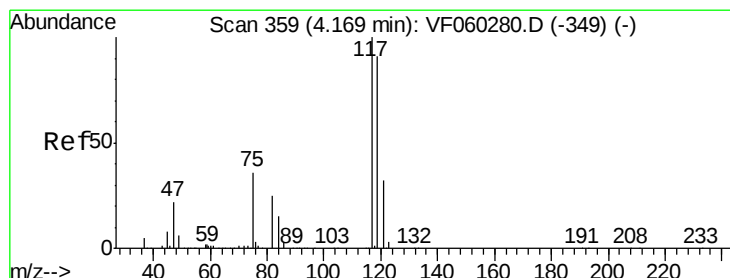
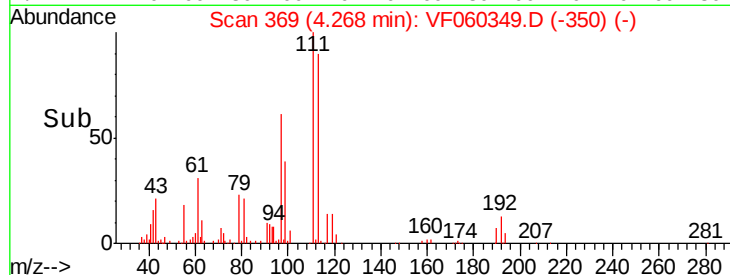
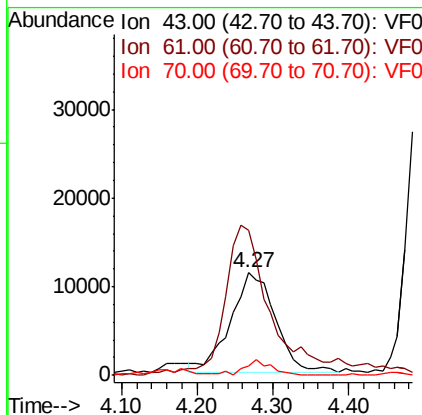
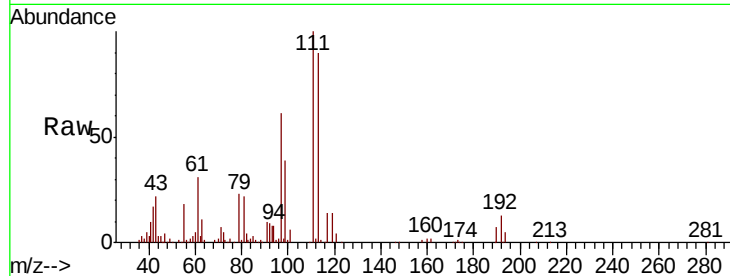
VF0926SBS01

Tot Ion:	43	Resp:	46224
Ion	Ratio	Lower	Upper
43	100		
61	141.7	91.1	136.7#
70	9.7	6.9	10.3

Manual Integrations
APPROVED

apatel

9/27/2018 9:56:16 AM



#38

Carbon Tetrachloride

Concen: 22.062 ug/l

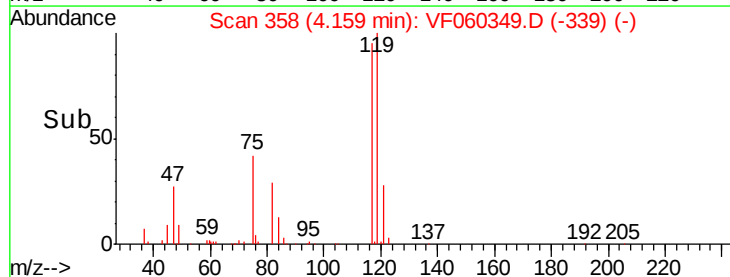
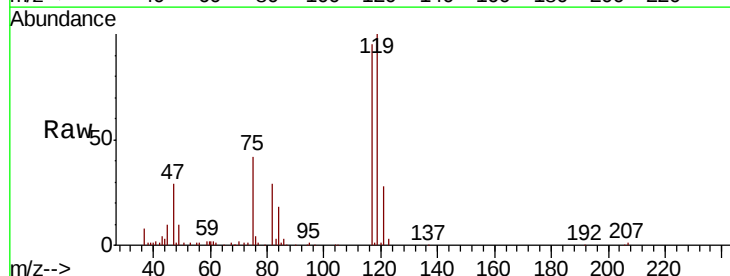
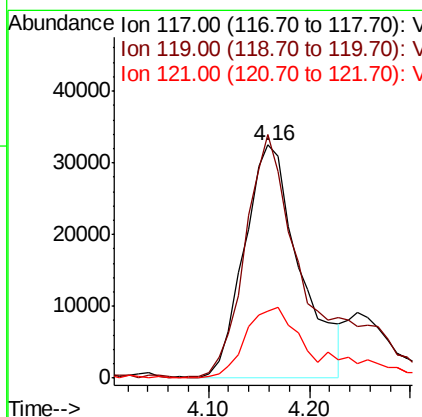
RT: 4.16 min Scan# 358

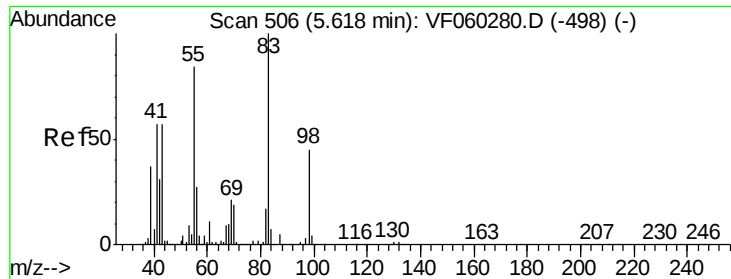
Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion:	117	Resp:	124415
Ion	Ratio	Lower	Upper
117	100		
119	104.4	73.0	109.6
121	28.8	25.4	38.2





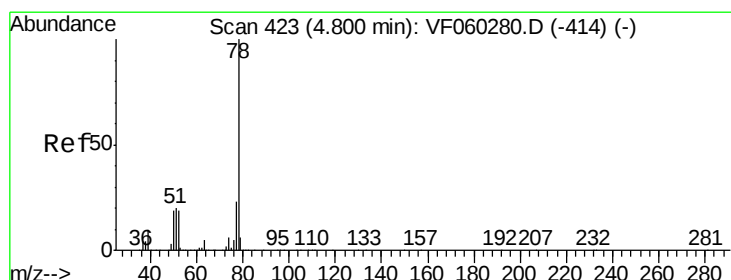
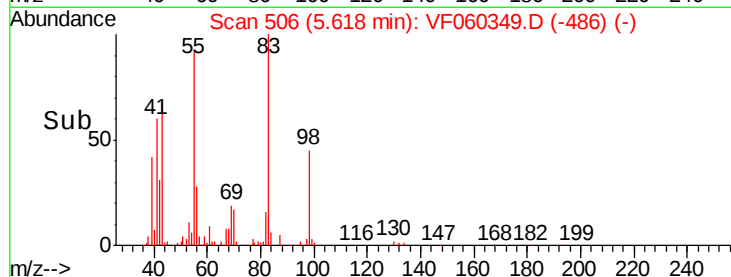
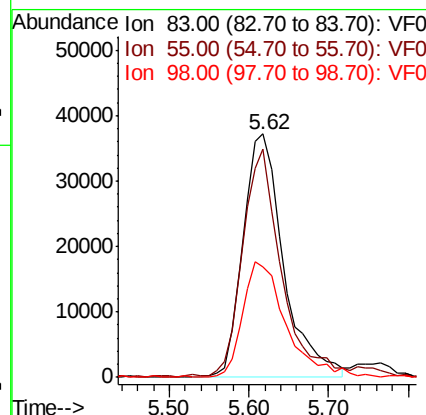
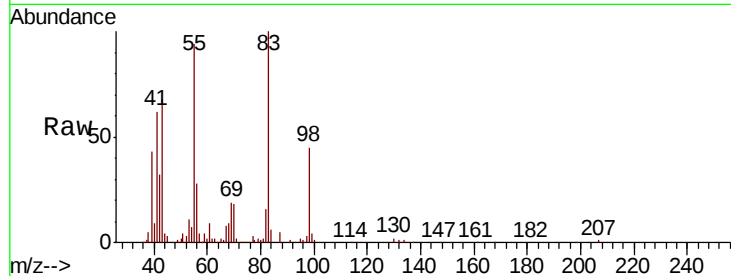
#39
Methvlcvclohexane
Concen: 23.091 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.6	67.3	100.9
98	45.4	36.1	54.1

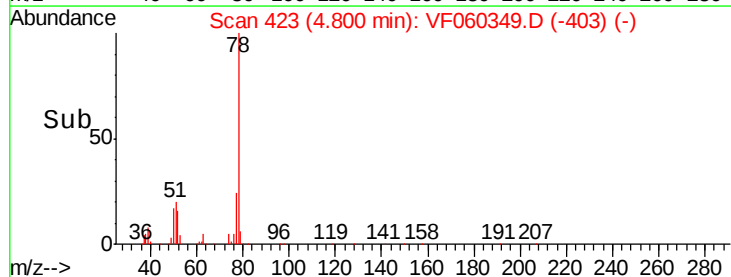
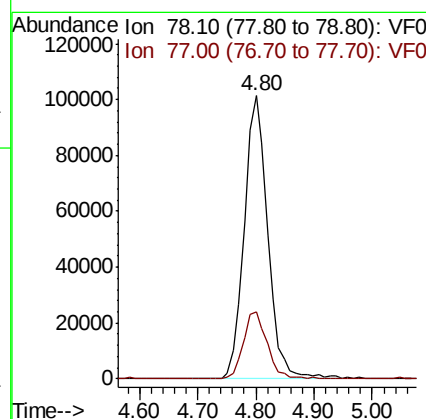
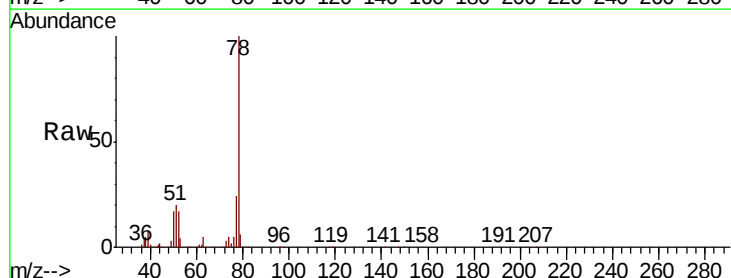
Manual Integrations
APPROVED

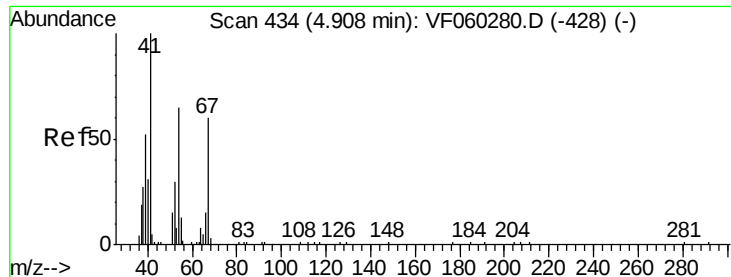
apatel
9/27/2018 9:56:16 AM



#40
Benzene
Concen: 24.025 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.4	27.6





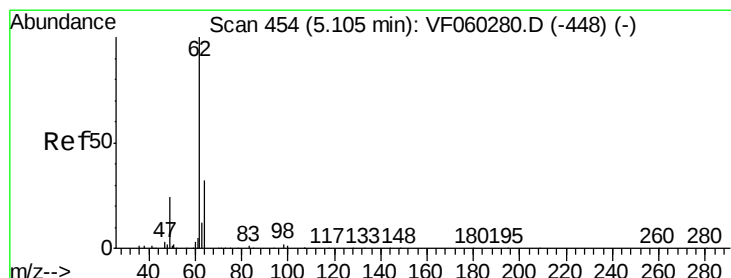
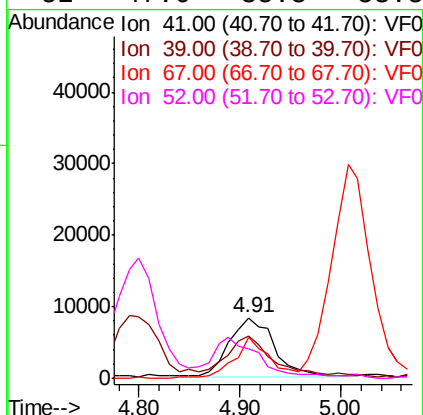
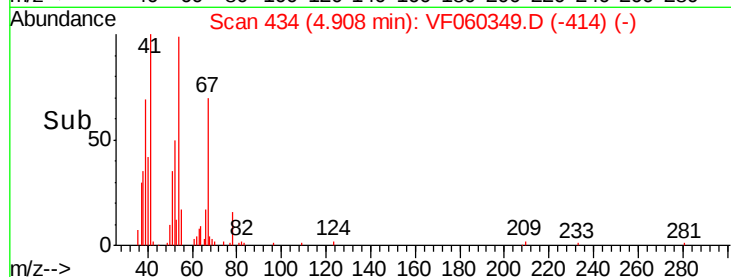
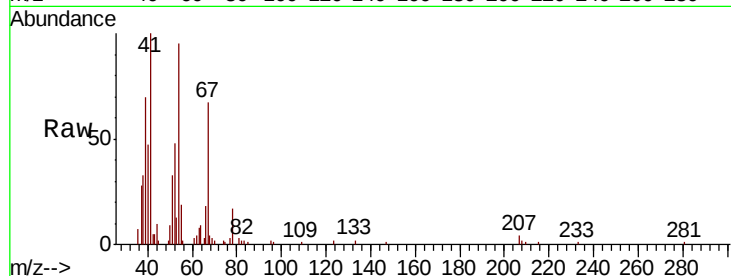
#41
Methacrylonitrile
Concen: 20.985 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.1	49.1	73.7
67	67.2	48.2	72.4
52	47.6	35.8	53.8

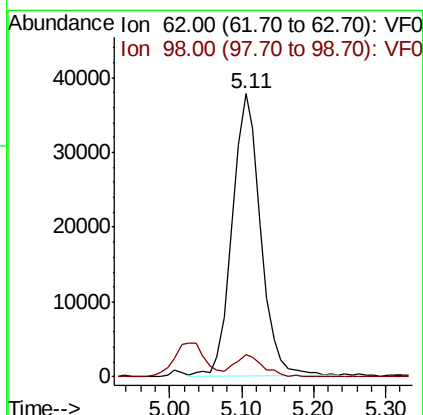
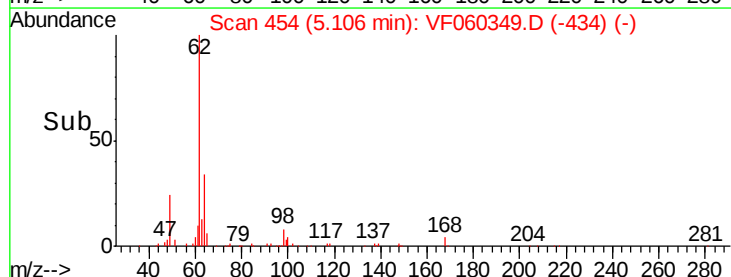
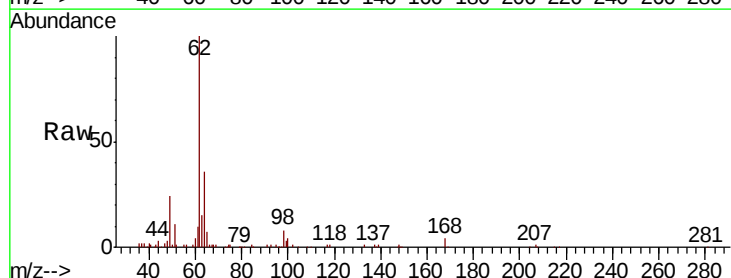
Manual Integrations
APPROVED

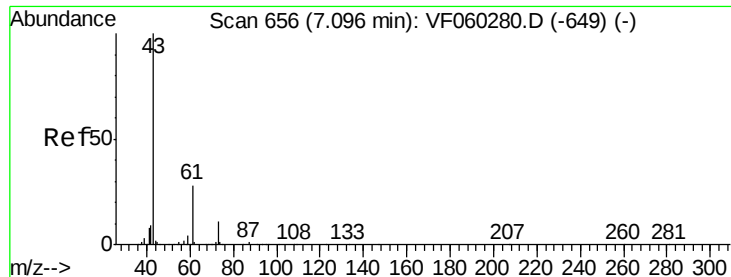
apatel
9/27/2018 9:56:16 AM



#42
1,2-Dichloroethane
Concen: 23.728 ug/l
RT: 5.11 min Scan# 454
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	14.4





#43

Isopropyl Acetate

Concen: 21.853 ug/l

RT: 7.11 min Scan# 657

Delta R.T. 0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

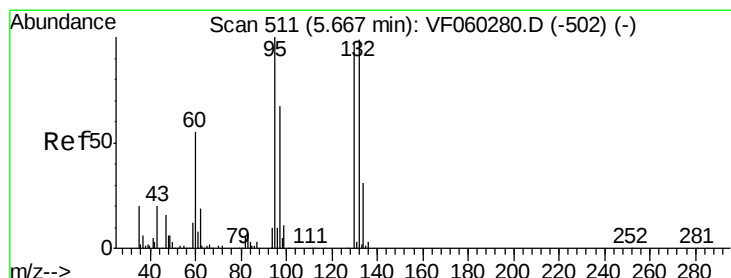
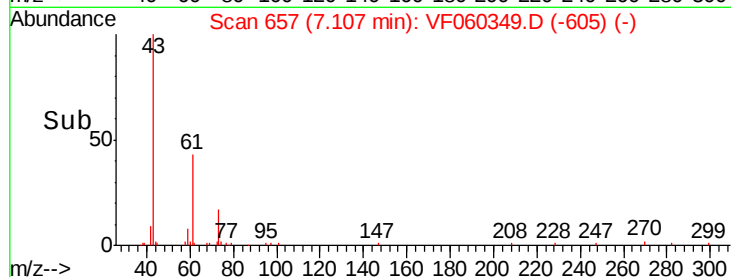
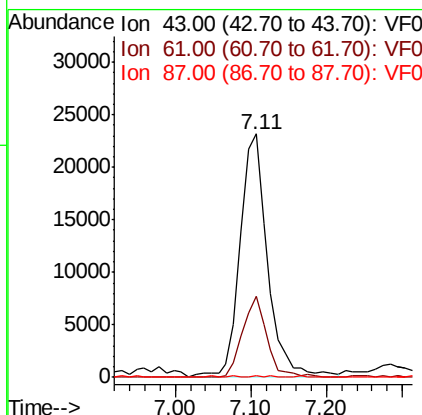
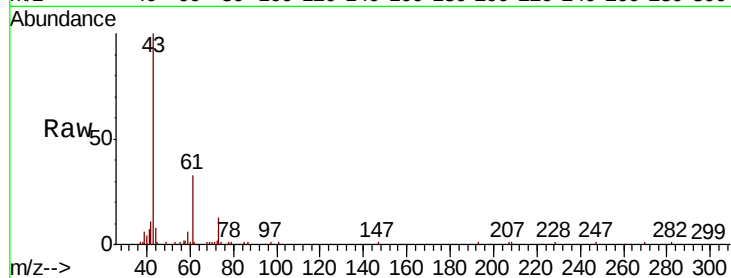
ClientSampleId :

VF0926SBS01

Tot Ion:	43	Resp:	58442
Ion Ratio	Lower	Upper	
43	100		
61	33.2	22.4	33.6
87	0.8	0.6	0.8

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM



#44

Trichloroethene

Concen: 23.748 ug/l

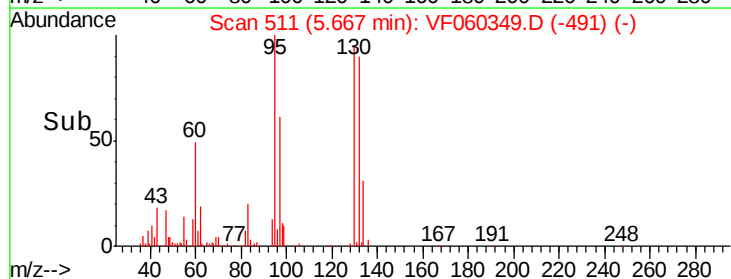
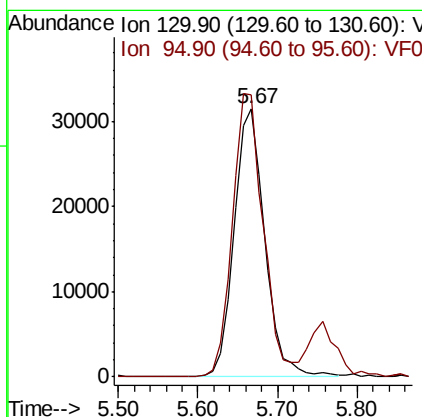
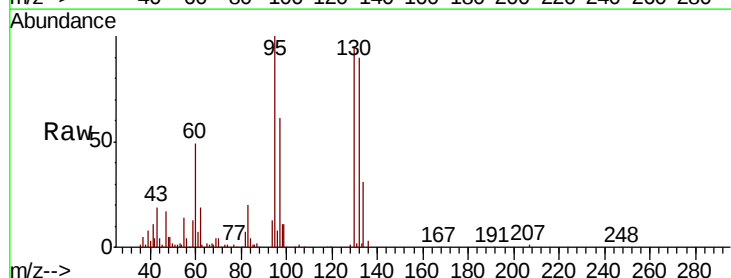
RT: 5.67 min Scan# 511

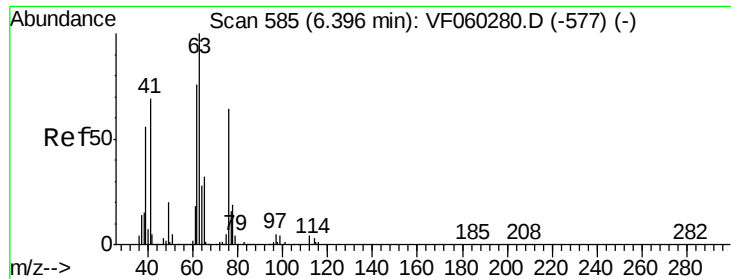
Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion:	130	Resp:	84137
Ion Ratio	Lower	Upper	
130	100		
95	105.4	0.0	205.6





#45

1,2-Dichloropropane

Concen: 23.344 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 63 Resp: 71924

Ion Ratio Lower Upper

63 100

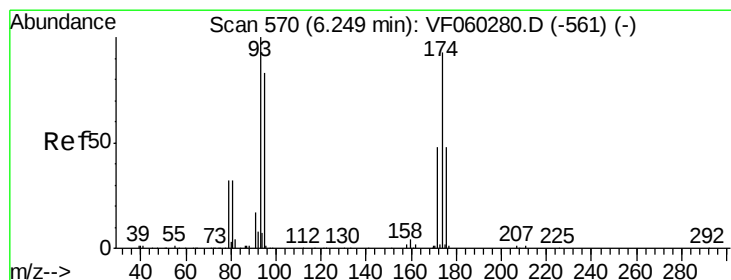
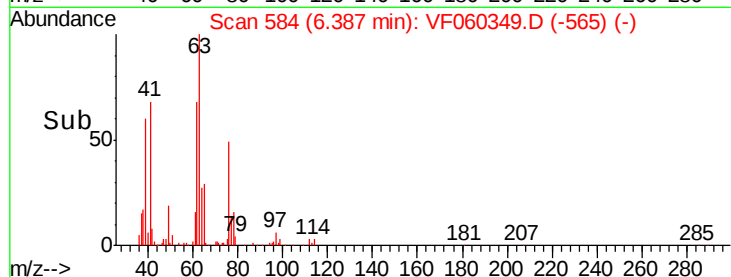
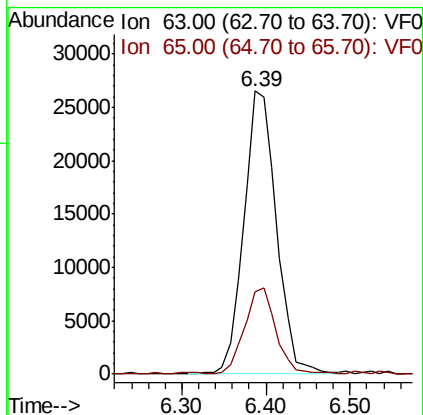
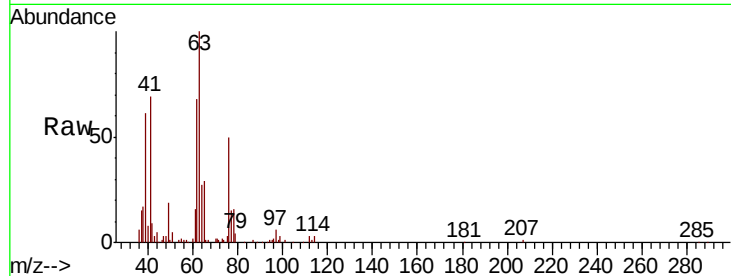
65 29.3 26.2 39.4

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



#46

Dibromomethane

Concen: 22.276 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

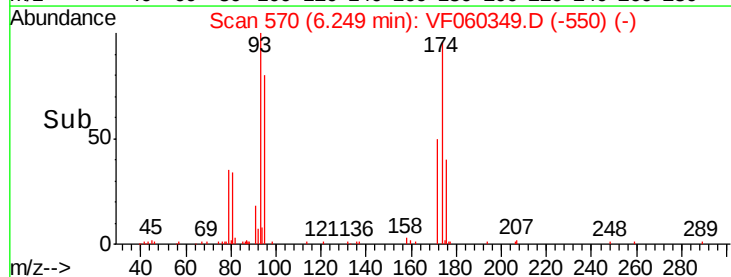
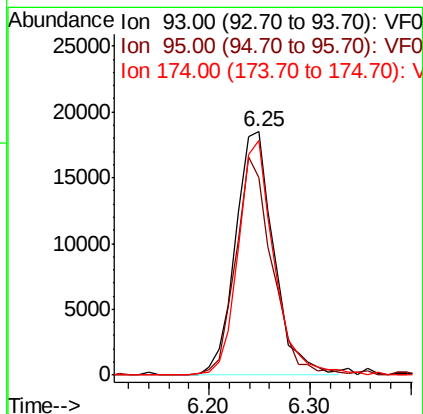
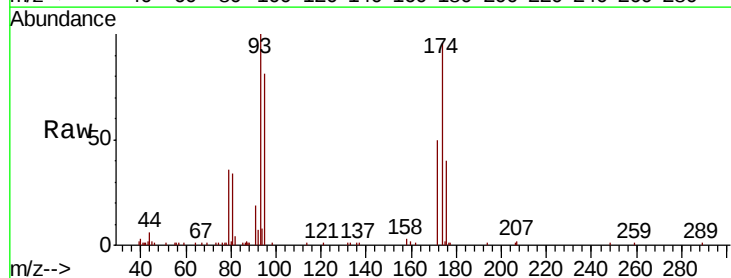
Tgt Ion: 93 Resp: 49058

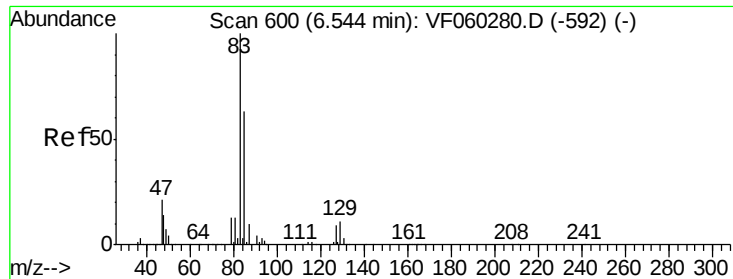
Ion Ratio Lower Upper

93 100

95 81.0 67.0 100.6

174 96.2 74.8 112.2





#47

Bromodichloromethane

Concen: 22.549 ug/l

RT: 6.53 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

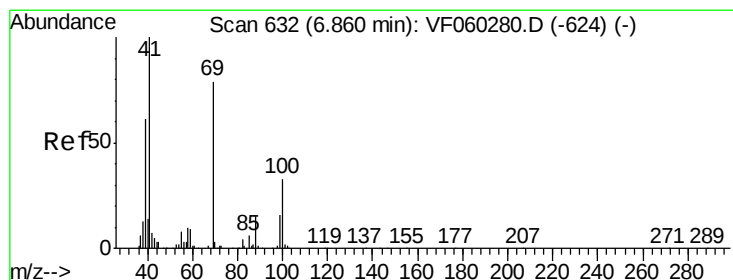
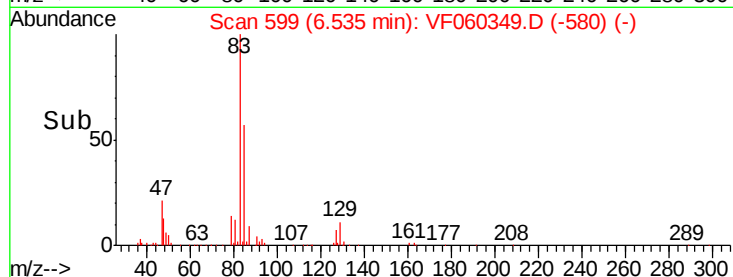
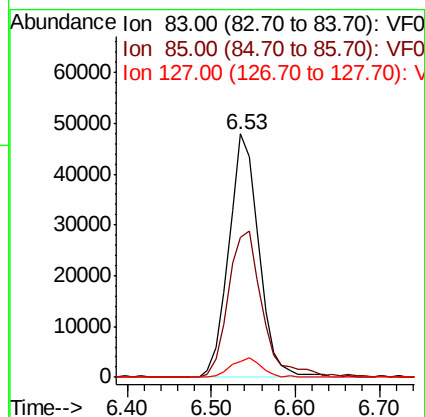
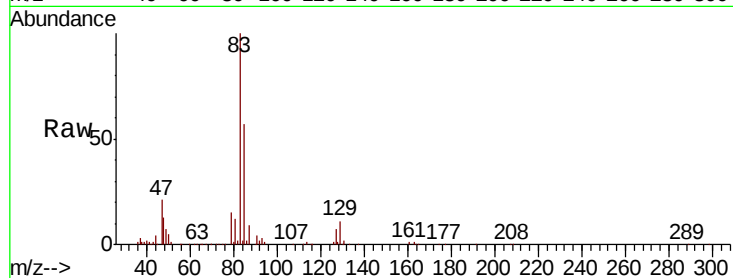
ClientSampleId :

VF0926SBS01

Tot Ion:	83	Resp:	119338
Ion Ratio	Lower	Upper	
83	100		
85	57.5	50.6	76.0
127	6.7	7.1	10.7#

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM



#48

Methyl methacrylate

Concen: 19.887 ug/l

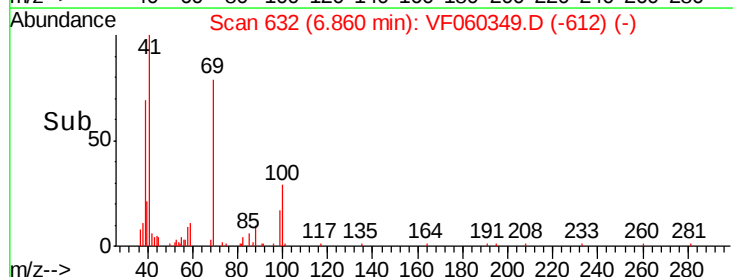
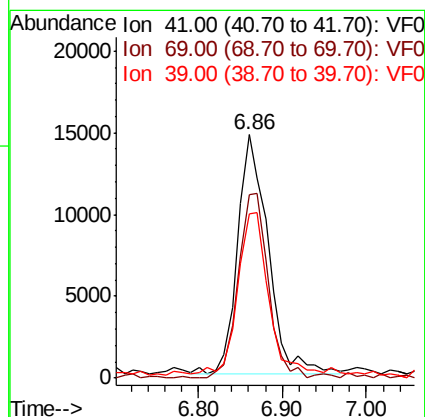
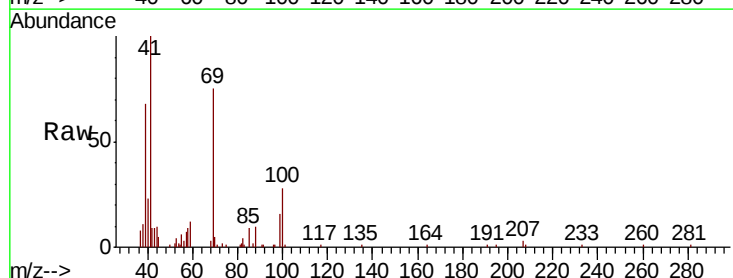
RT: 6.86 min Scan# 632

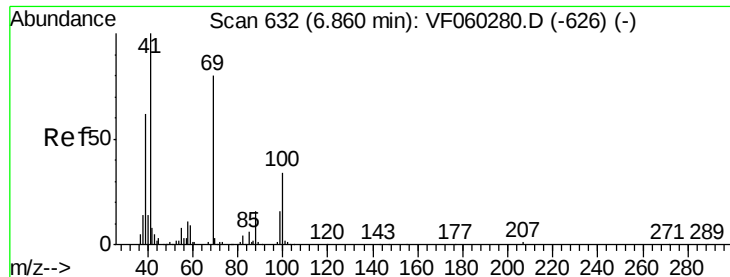
Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion:	41	Resp:	37334
Ion Ratio	Lower	Upper	
41	100		
69	75.3	62.6	94.0
39	67.5	49.1	73.7





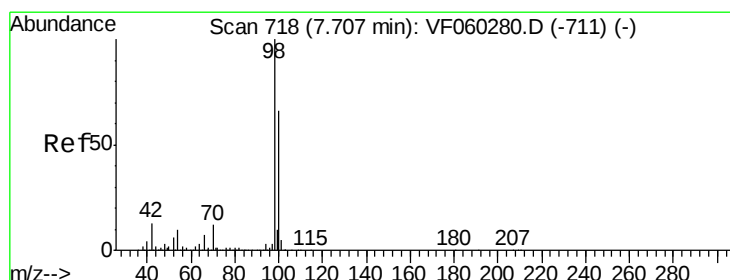
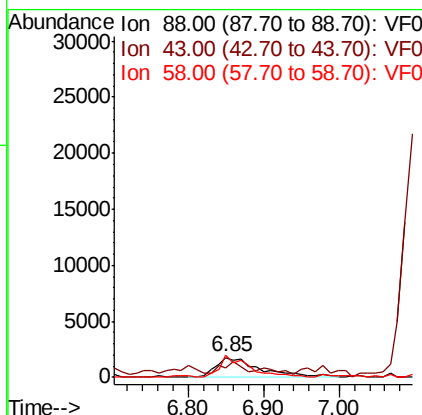
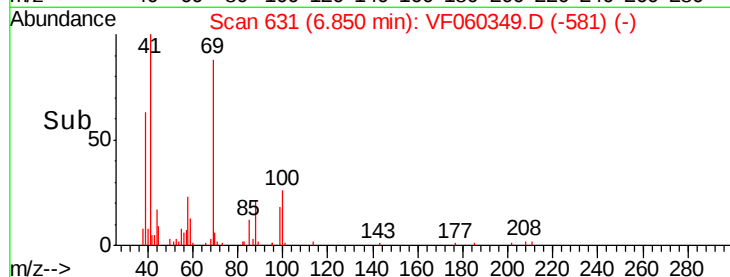
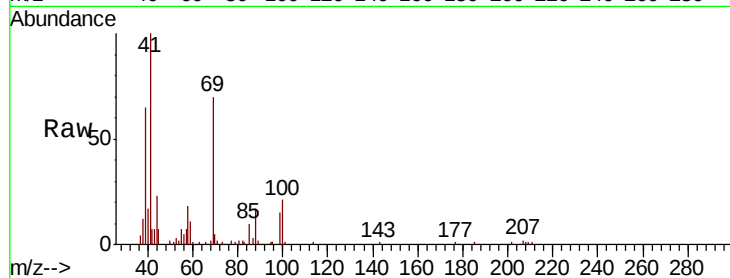
#49
1,4-Dioxane
Concen: 427.022 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.2	40.2	60.4
58	107.4	56.7	85.1#

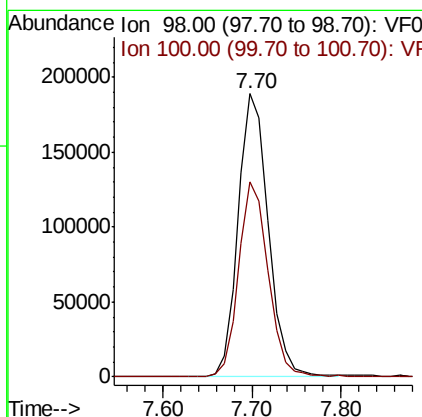
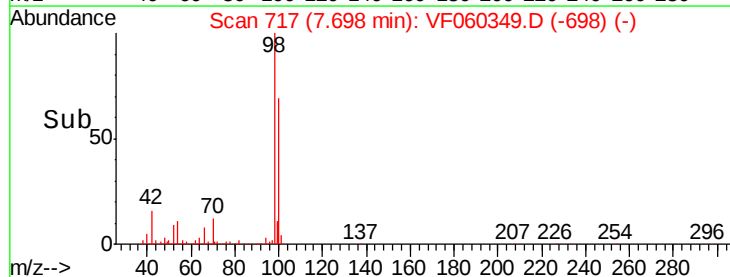
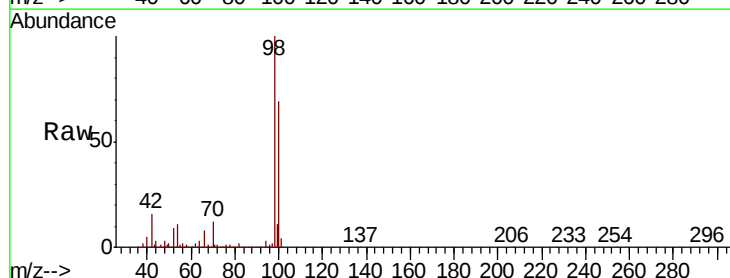
Manual Integrations
APPROVED

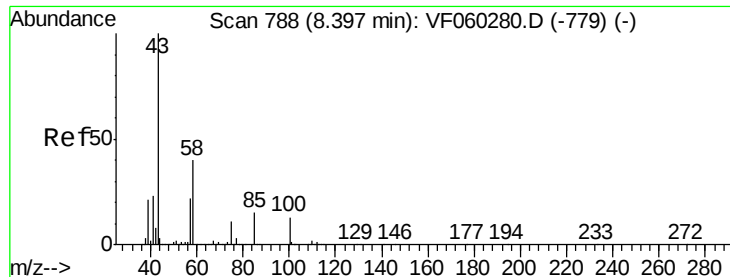
apatel
9/27/2018 9:56:16 AM



#50
Toluene-d8
Concen: 45.463 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.9	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 102.319 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 43 Resp: 210905

Ion Ratio Lower Upper

43 100

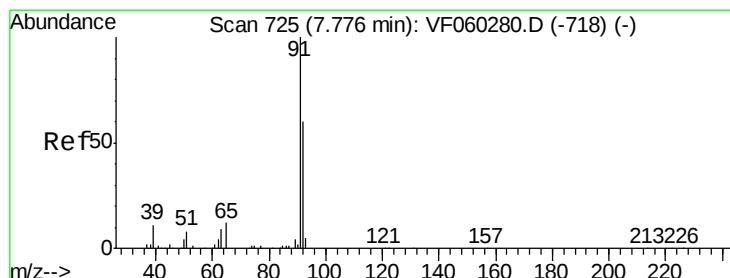
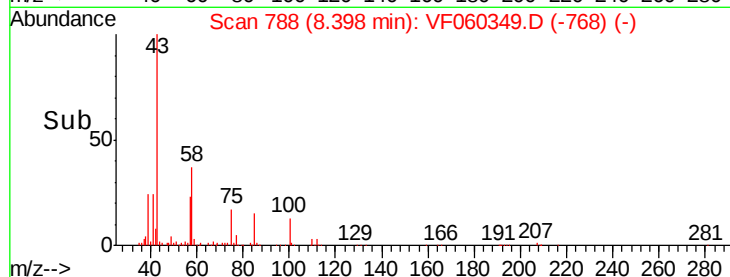
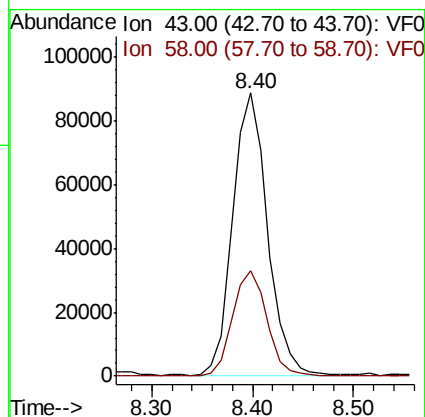
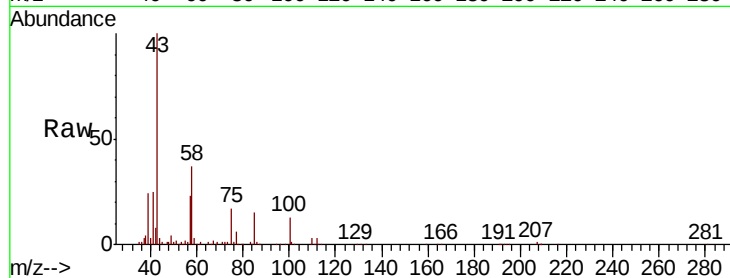
58 37.1 31.8 47.8

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



#52

Toluene

Concen: 22.813 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060349.D

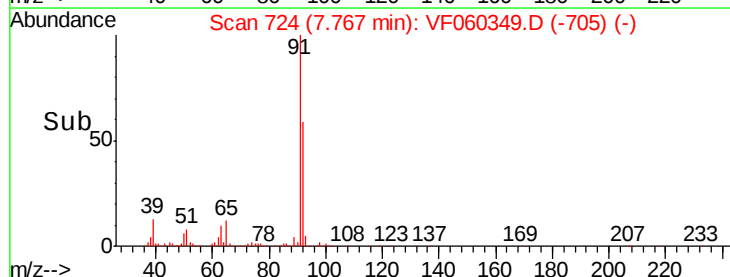
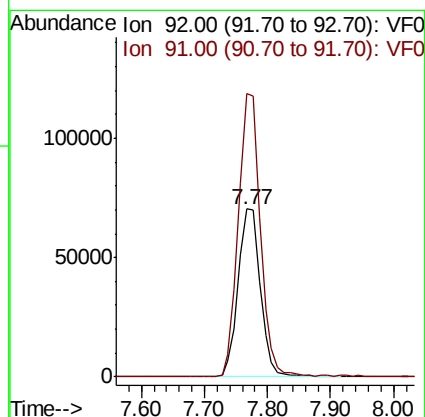
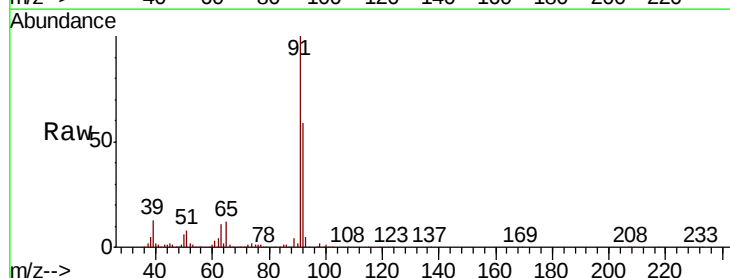
Acq: 26 Sep 2018 14:01

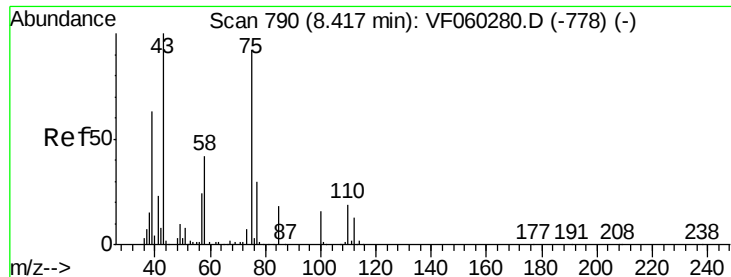
Tgt Ion: 92 Resp: 171807

Ion Ratio Lower Upper

92 100

91 168.9 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 23.274 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 75 Resp: 99357

Ion Ratio Lower Upper

75 100

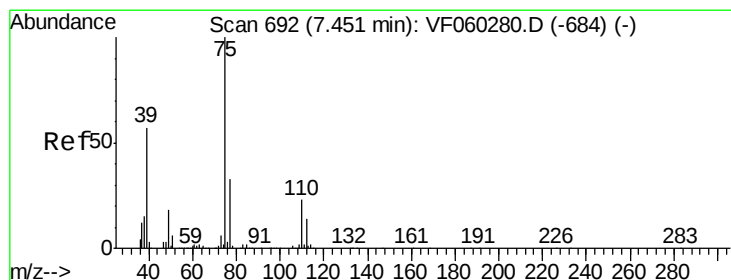
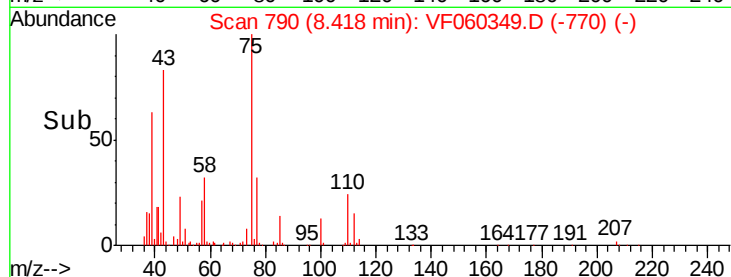
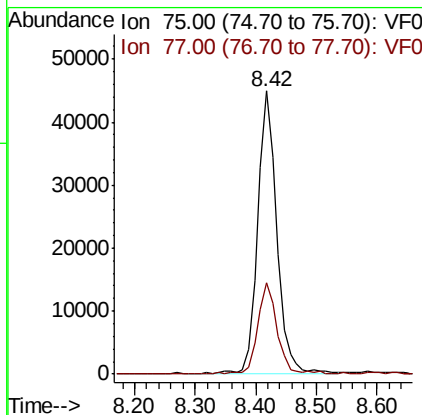
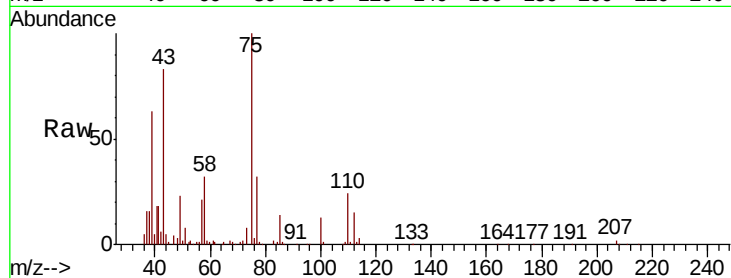
77 32.2 25.9 38.9

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



#54

cis-1,3-Dichloropropene

Concen: 22.958 ug/l

RT: 7.45 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

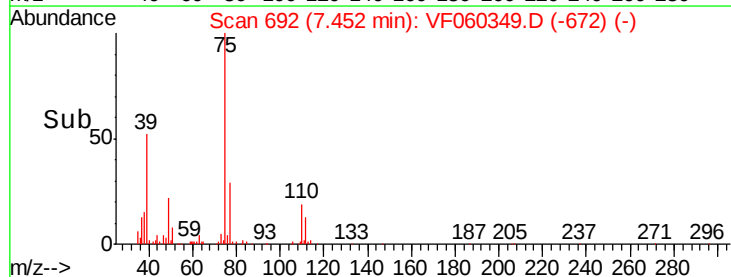
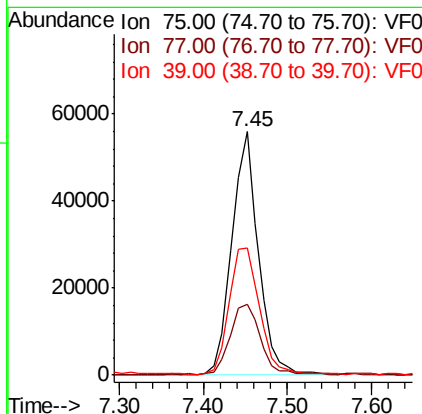
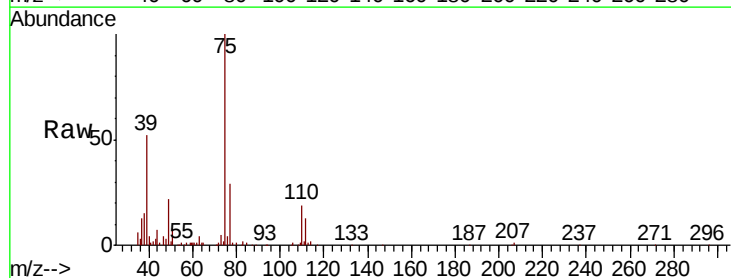
Tgt Ion: 75 Resp: 123471

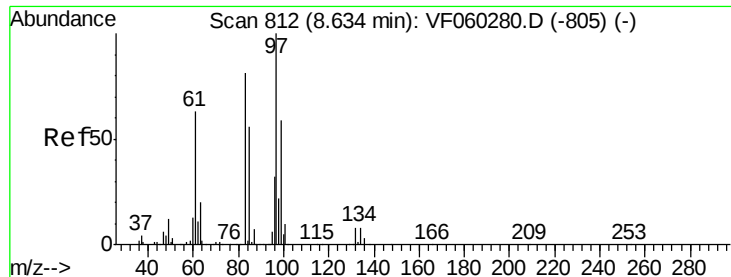
Ion Ratio Lower Upper

75 100

77 29.0 26.3 39.5

39 52.3 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 22.112 ug/l

RT: 8.63 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

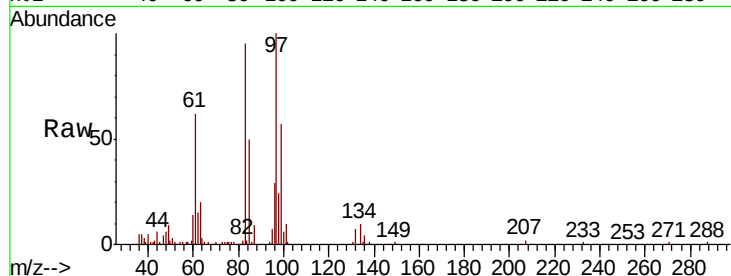
ClientSampleId :

VF0926SBS01

Tot Ion:	97	Resp:	50543
Ion	Ratio	Lower	Upper
97	100		
83	94.8	65.3	97.9
85	50.3	44.7	67.1
99	57.1	47.0	70.4

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM

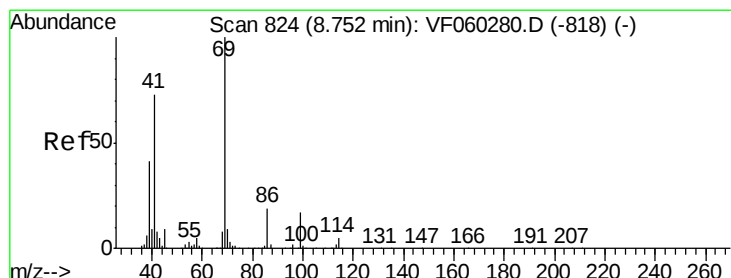
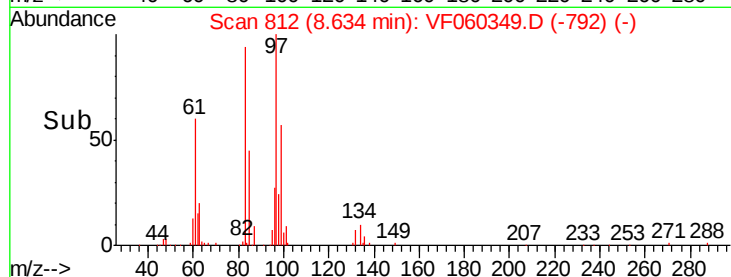
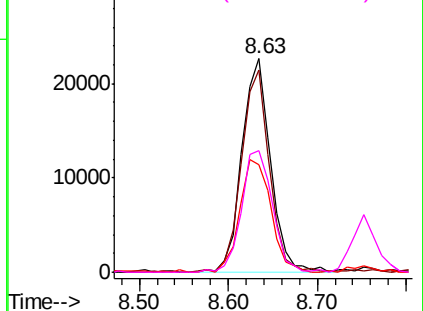


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.150 ug/l

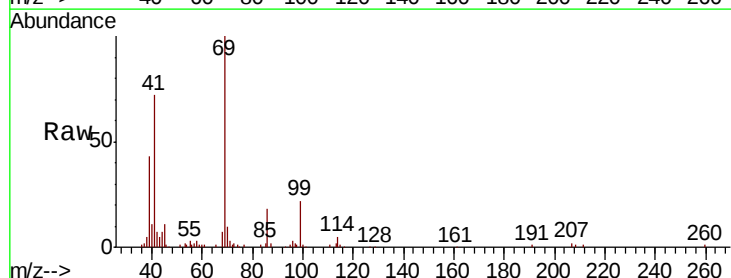
RT: 8.75 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

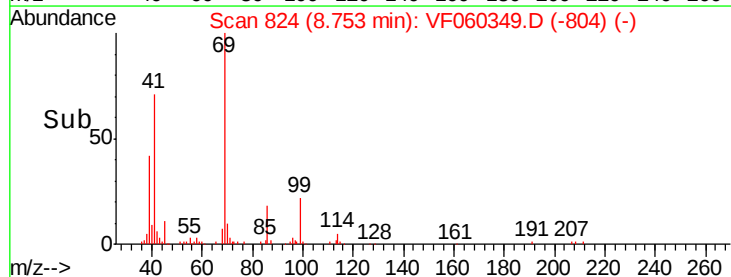
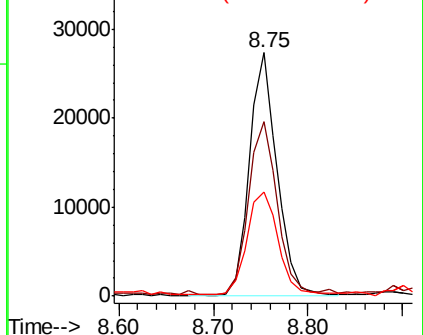
Tgt Ion:	69	Resp:	55626
Ion	Ratio	Lower	Upper
69	100		
41	71.6	59.4	89.2
39	42.6	33.5	50.3

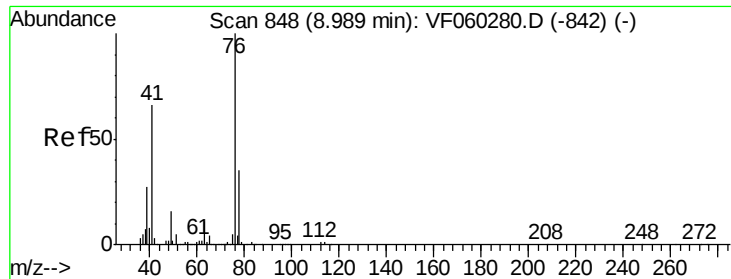


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.152 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 76 Resp: 87626

Ion Ratio Lower Upper

76 100

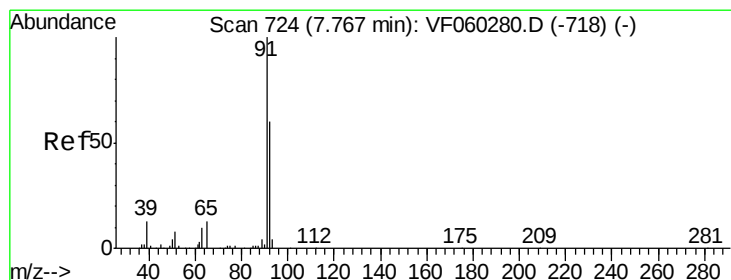
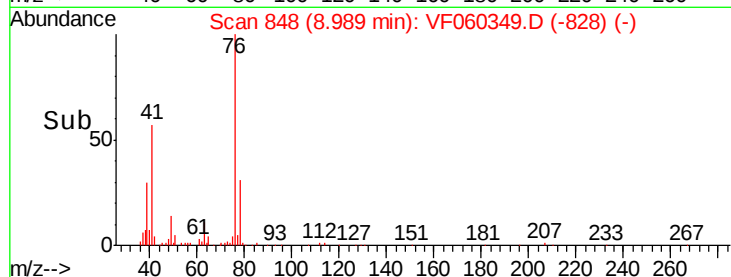
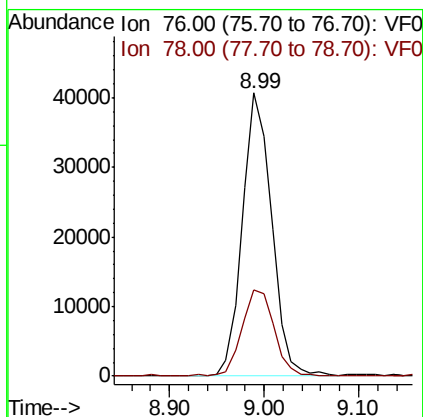
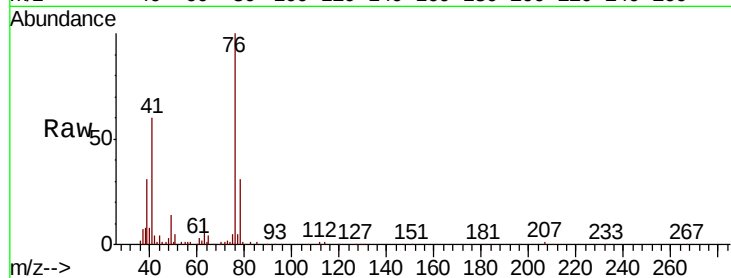
78 30.7 28.2 42.2

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



#58

2-Chloroethyl Vinyl ether

Concen: 117.551 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.00 min

Lab File: VF060349.D

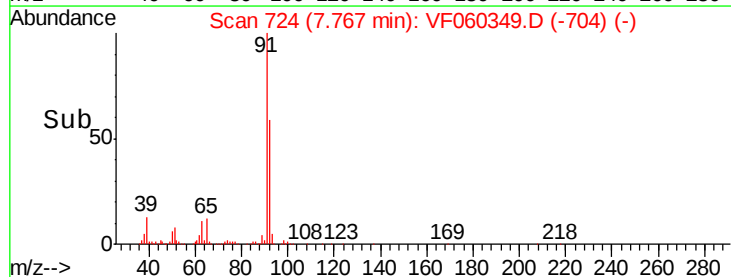
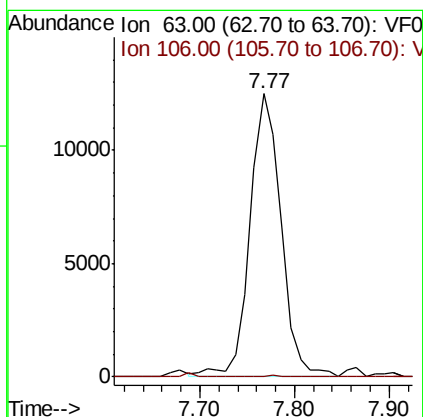
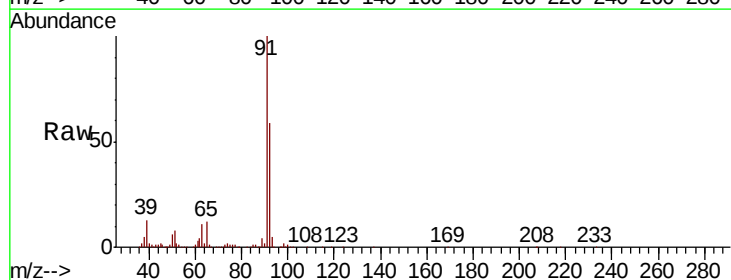
Acq: 26 Sep 2018 14:01

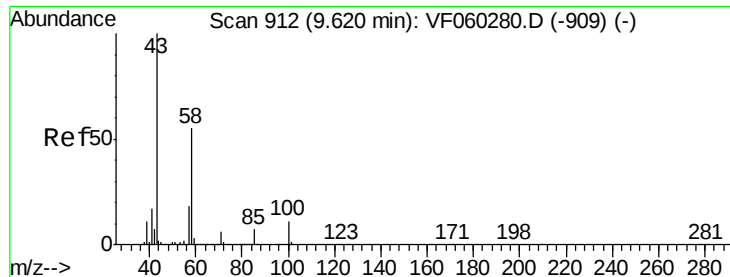
Tgt Ion: 63 Resp: 28688

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





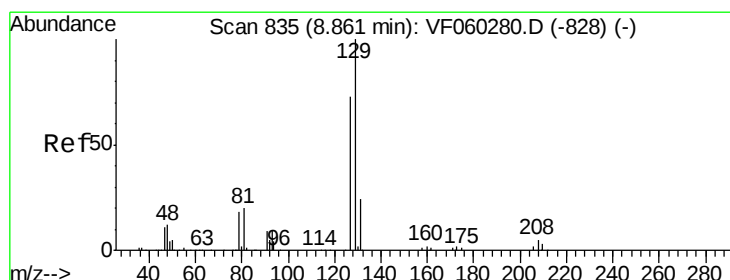
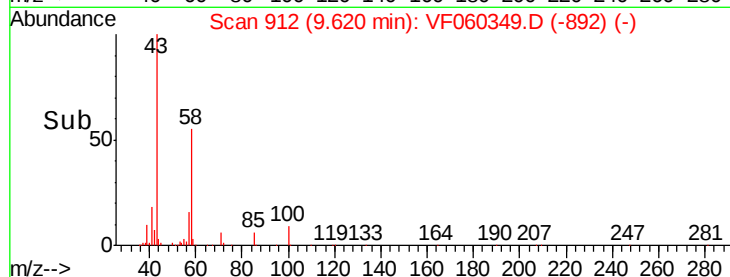
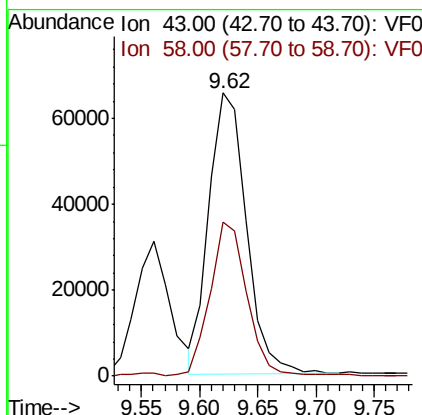
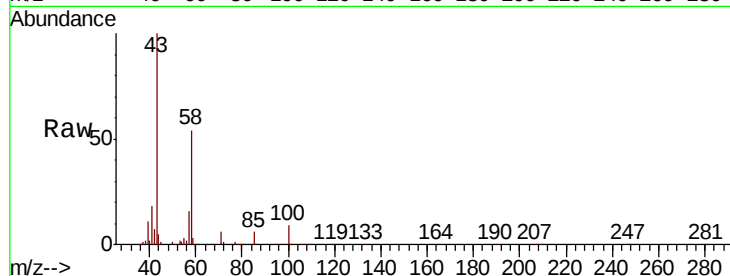
#59
2-Hexanone
Concen: 99.337 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion: 43 Resp: 145789
Ion Ratio Lower Upper
43 100
58 54.4 25.9 77.6

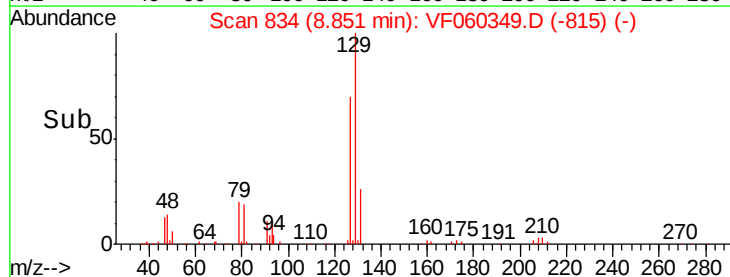
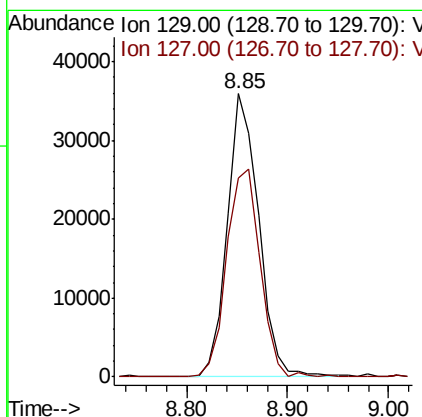
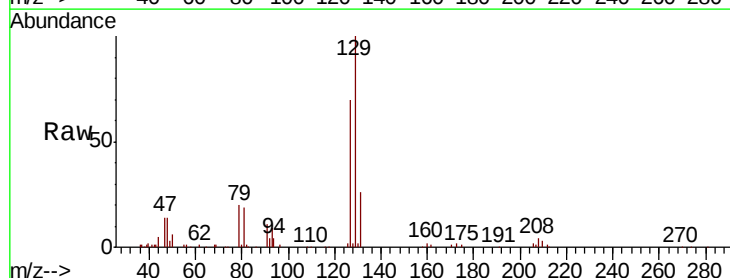
Manual Integrations
APPROVED

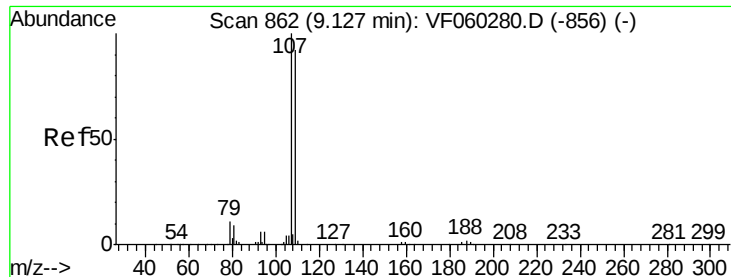
apatel
9/27/2018 9:56:16 AM



#60
Dibromochloromethane
Concen: 22.807 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion: 129 Resp: 77700
Ion Ratio Lower Upper
129 100
127 70.3 36.6 109.8





#61

1,2-Dibromoethane

Concen: 22.711 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion:107 Resp: 57807

Ion Ratio Lower Upper

107 100

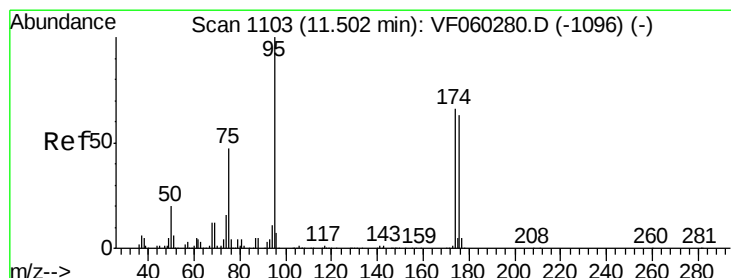
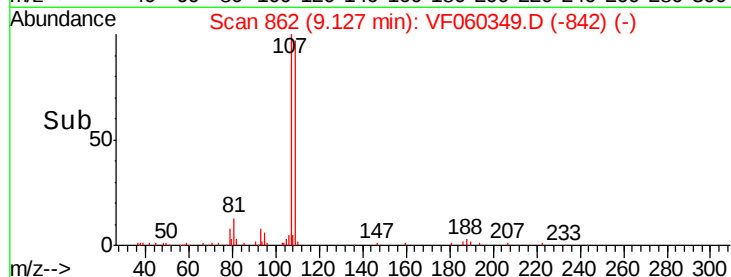
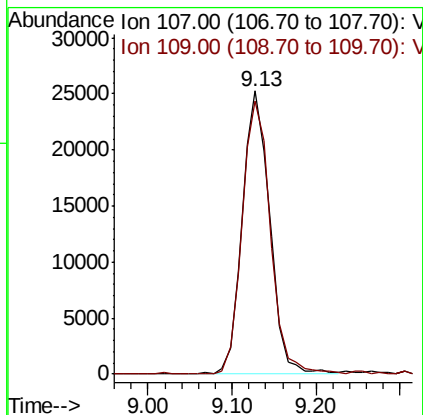
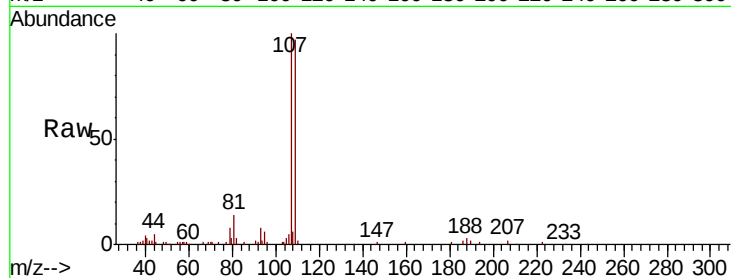
109 96.5 73.2 109.8

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



#62

4-Bromofluorobenzene

Concen: 49.872 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

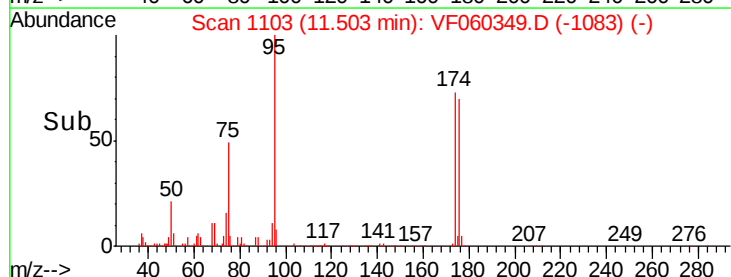
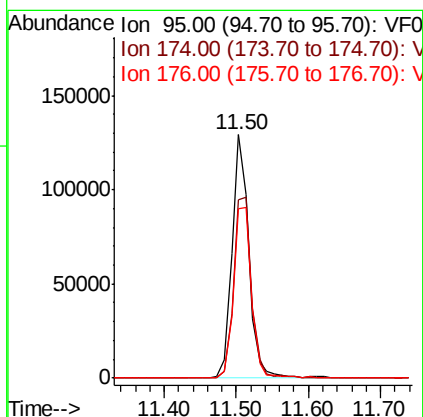
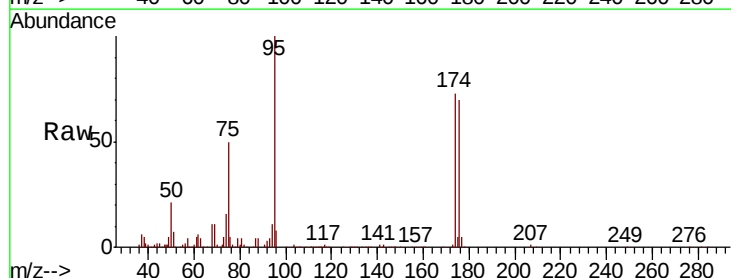
Tgt Ion: 95 Resp: 210648

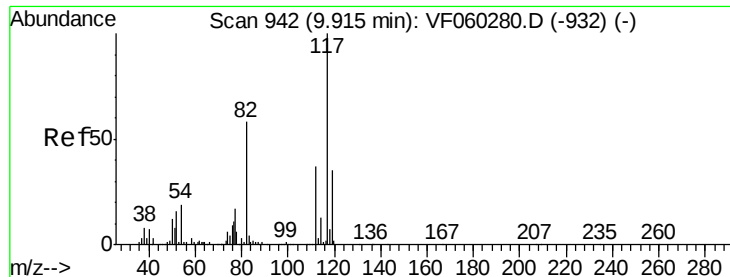
Ion Ratio Lower Upper

95 100

174 73.5 0.0 131.2

176 69.8 0.0 126.6





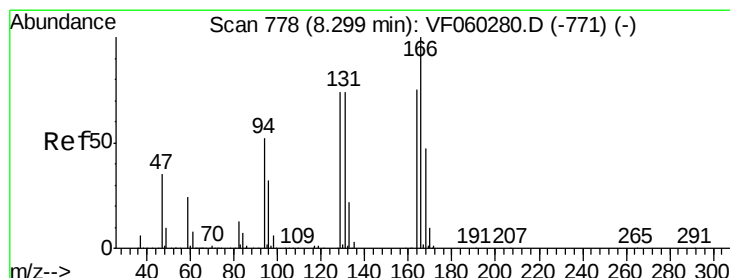
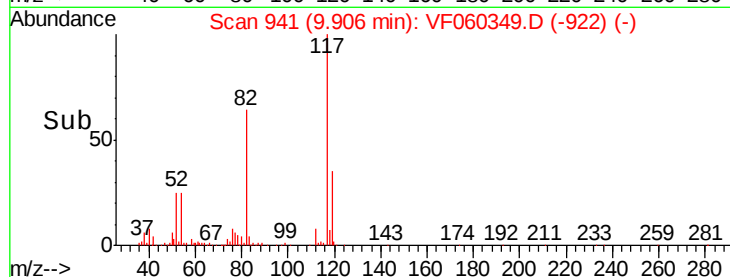
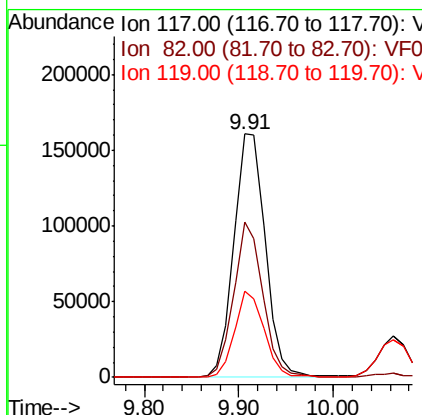
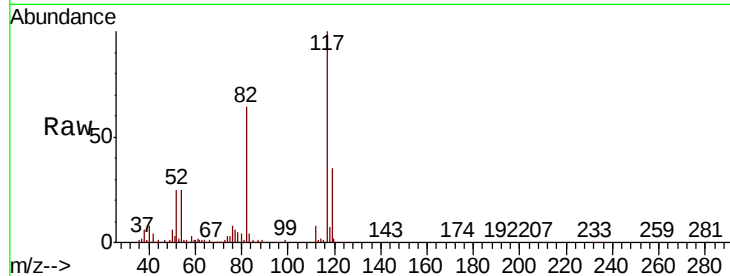
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	372172		
82	63.6	46.2	69.2	
119	35.3	27.8	41.6	

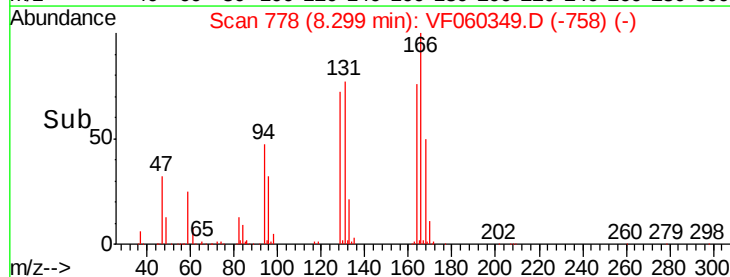
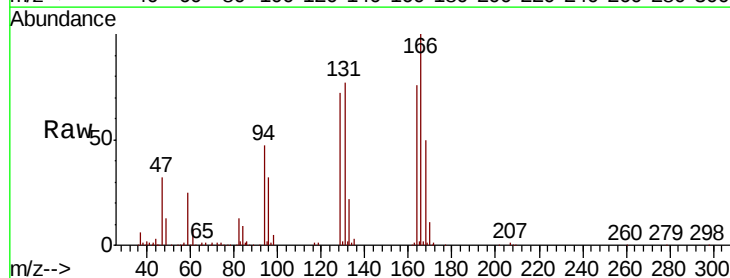
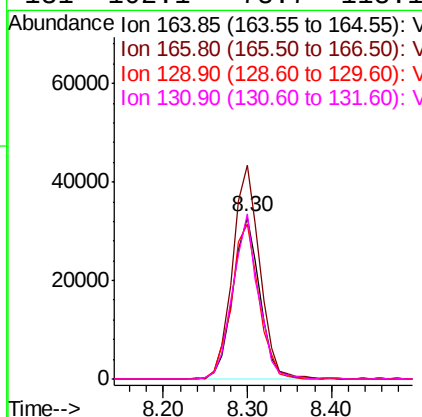
Manual Integrations
APPROVED

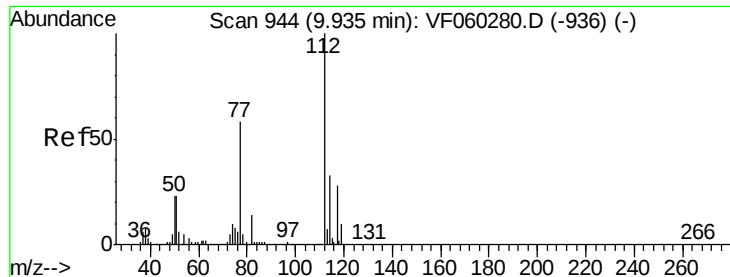
apatel
9/27/2018 9:56:16 AM



#64
Tetrachloroethene
Concen: 21.658 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73071		
166	132.2	106.8	160.2	
129	95.5	78.8	118.2	
131	102.1	78.7	118.1	





#65

Chlorobenzene

Concen: 23.359 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion:112 Resp: 197035

Ion Ratio Lower Upper

112 100

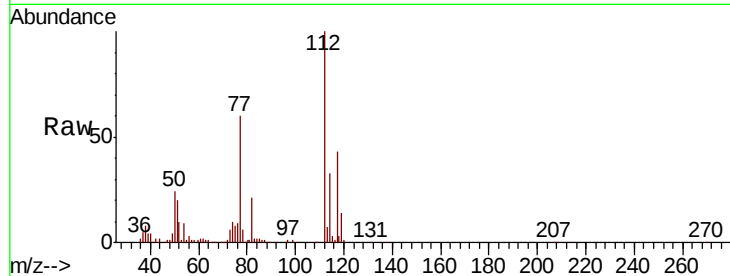
114 33.3 26.6 40.0

Manual Integrations

APPROVED

apatel

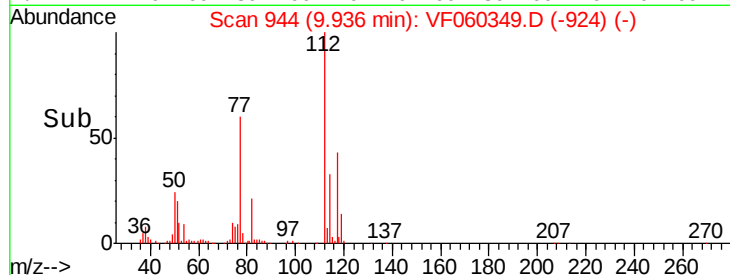
9/27/2018 9:56:16 AM



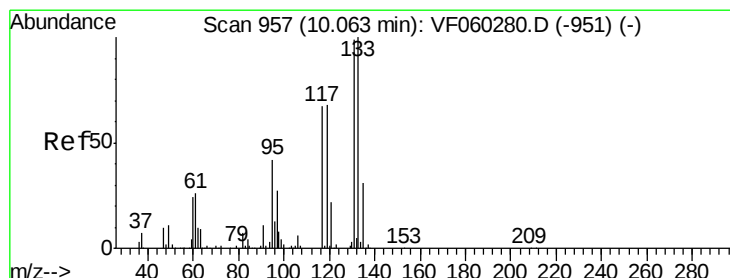
Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.94



Time--> 9.80 9.90 10.00



#66

1,1,1,2-Tetrachloroethane

Concen: 23.924 ug/l

RT: 10.06 min Scan# 957

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

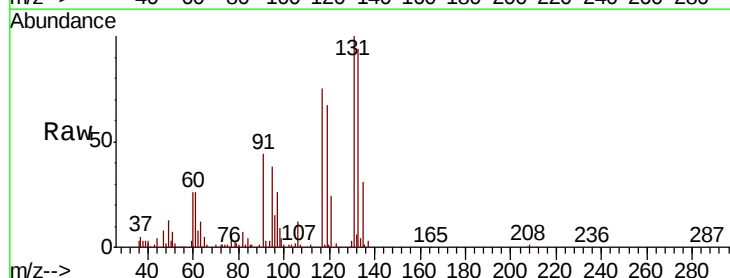
Tgt Ion:131 Resp: 83745

Ion Ratio Lower Upper

131 100

133 93.7 50.4 151.2

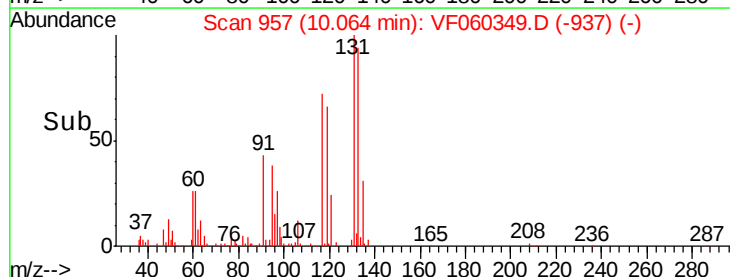
119 66.6 34.8 104.3



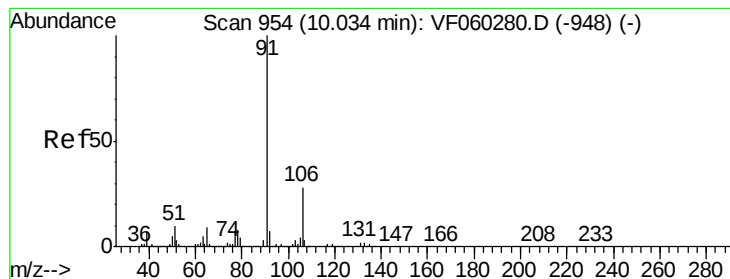
Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



Time--> 10.00 10.10 10.20



#67

Ethyl Benzene

Concen: 23.410 ug/l

RT: 10.03 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 91 Resp: 365095

Ion Ratio Lower Upper

91 100

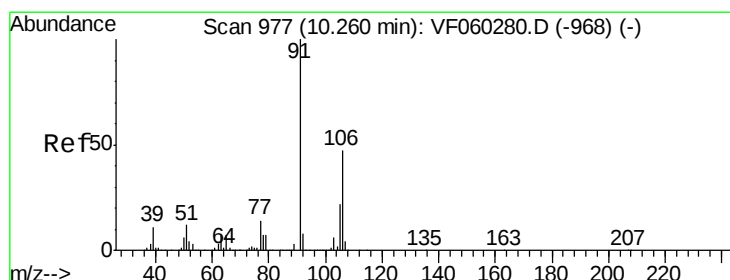
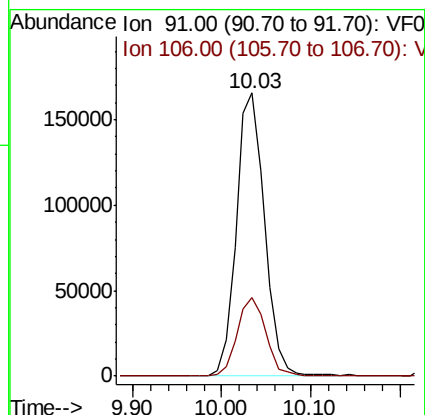
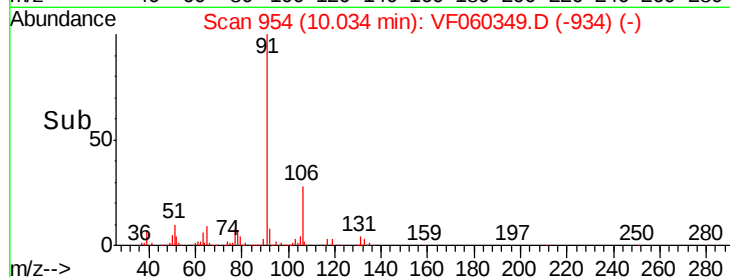
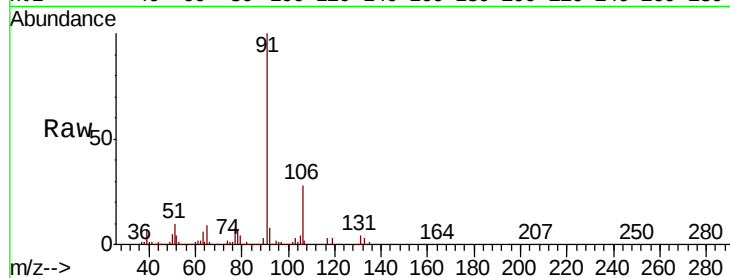
106 27.7 22.7 34.1

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



#68

m/p-Xylenes

Concen: 46.950 ug/l

RT: 10.26 min Scan# 977

Delta R.T. 0.00 min

Lab File: VF060349.D

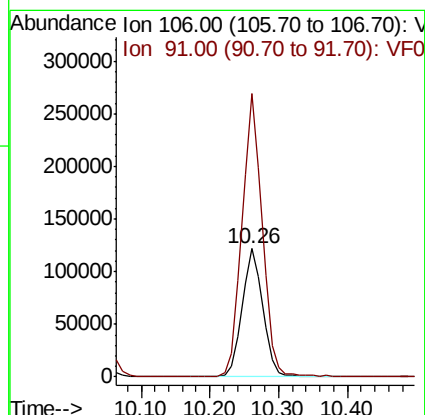
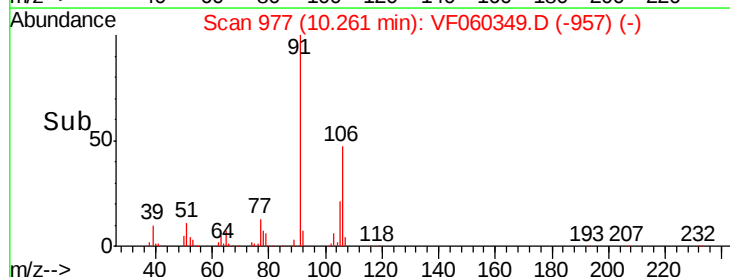
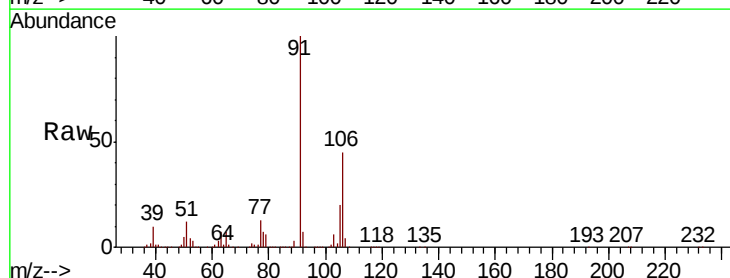
Acq: 26 Sep 2018 14:01

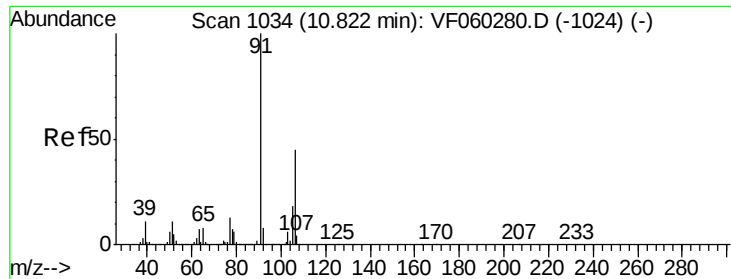
Tgt Ion:106 Resp: 252980

Ion Ratio Lower Upper

106 100

91 220.3 172.3 258.5





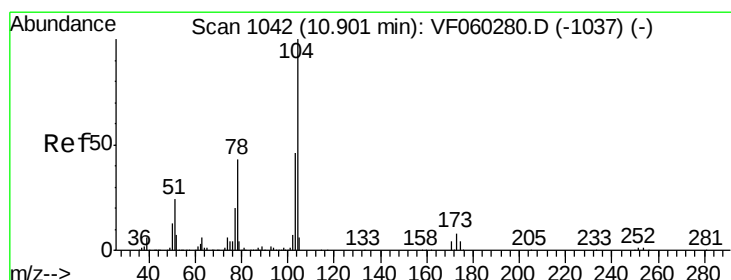
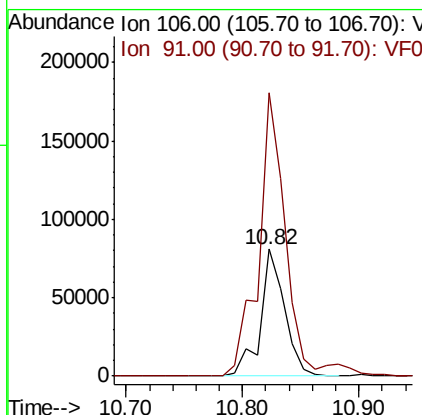
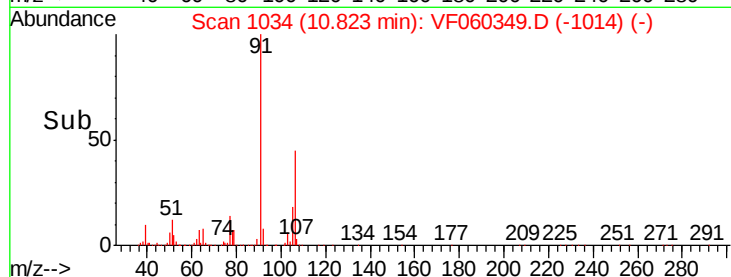
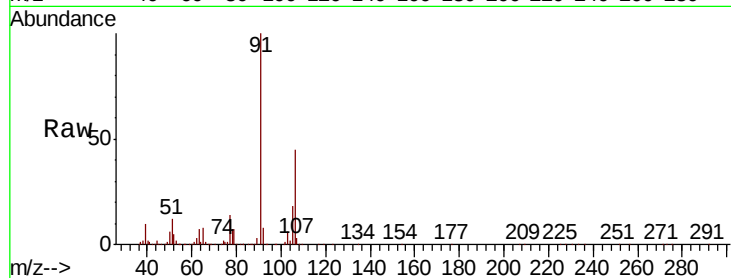
#69
o-Xylene
Concen: 19.346 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.4	110.9	332.6

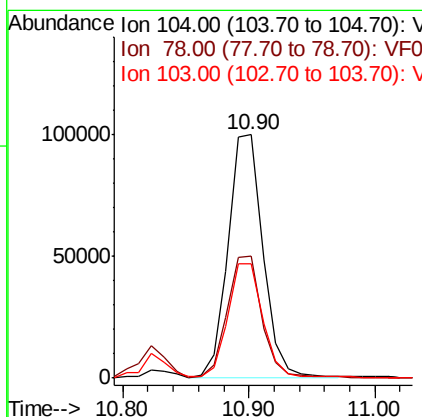
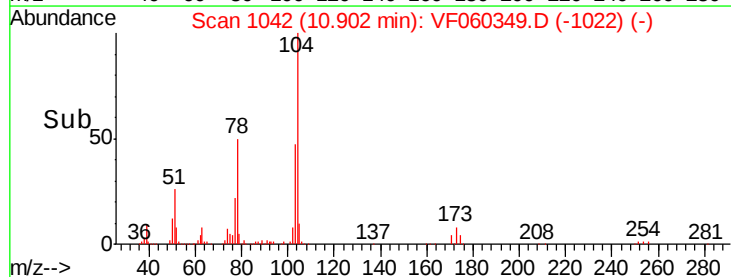
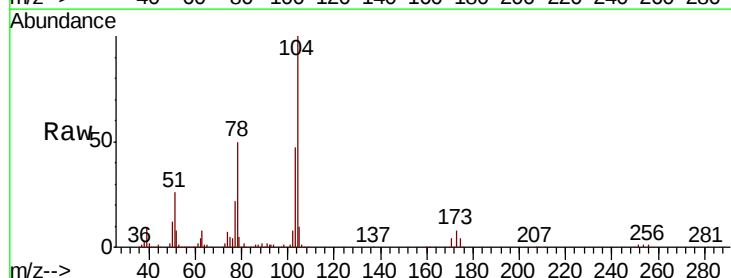
Manual Integrations
APPROVED

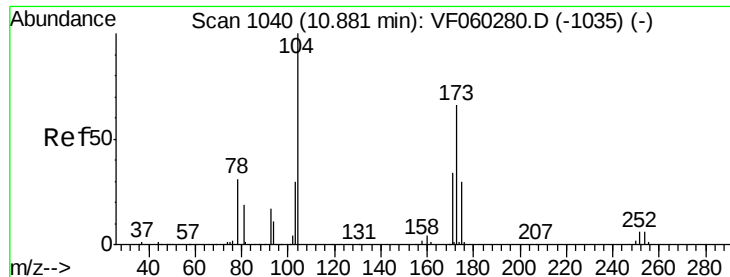
apatel
9/27/2018 9:56:16 AM



#70
Styrene
Concen: 22.372 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.9	35.0	52.6
103	46.8	37.4	56.0





#71

Bromoform

Concen: 22.357 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

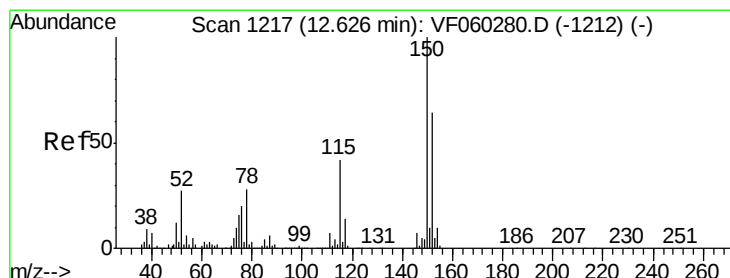
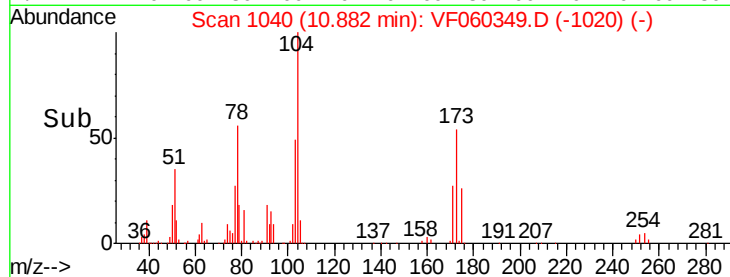
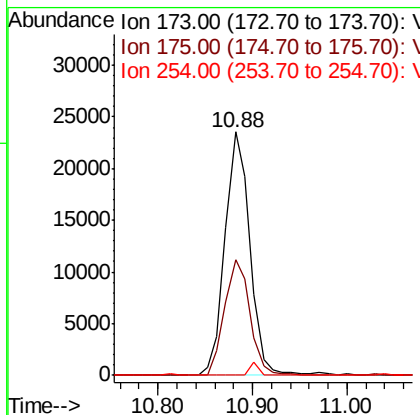
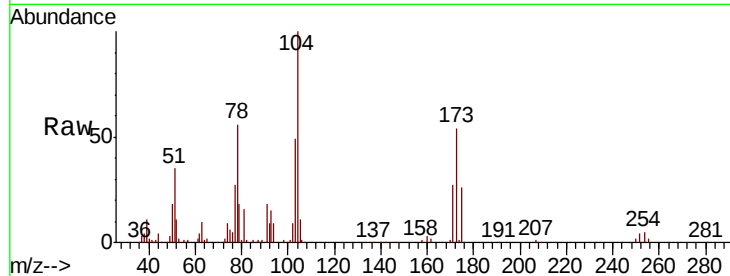
ClientSampleId :

VF0926SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		42982		
175	48.1	22.3	66.9		
254	0.0	0.0	0.0		

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

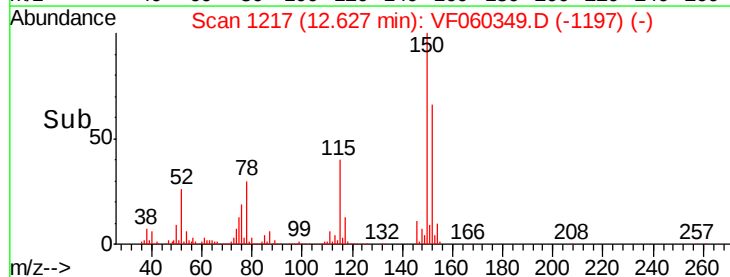
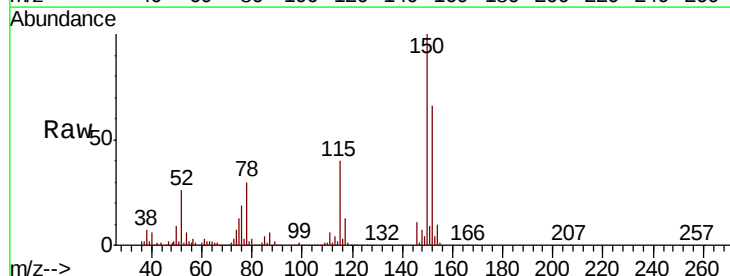
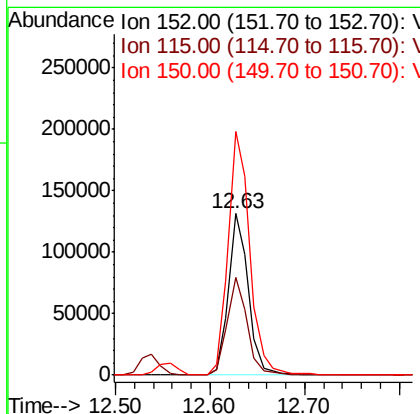
RT: 12.63 min Scan# 1217

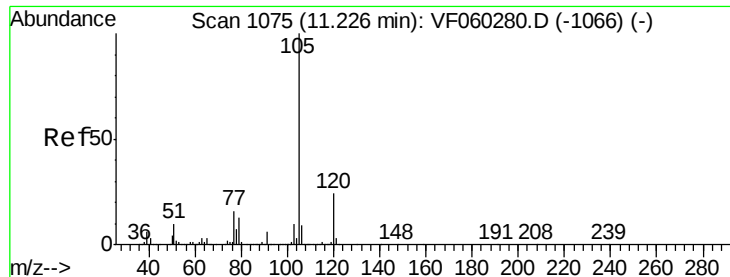
Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		191729		
115	60.5	32.6	97.8		
150	151.1	0.0	314.2		





#73

Isopropylbenzene

Concen: 24.081 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 105 Resp: 414479

Ion Ratio Lower Upper

105 100

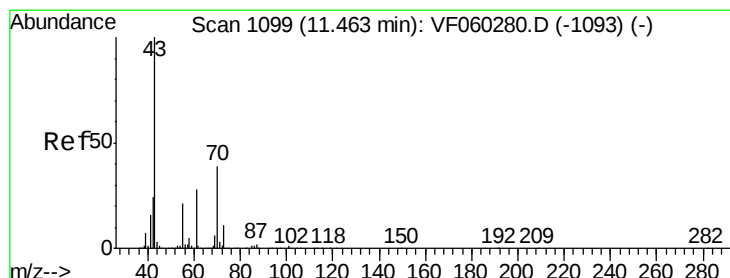
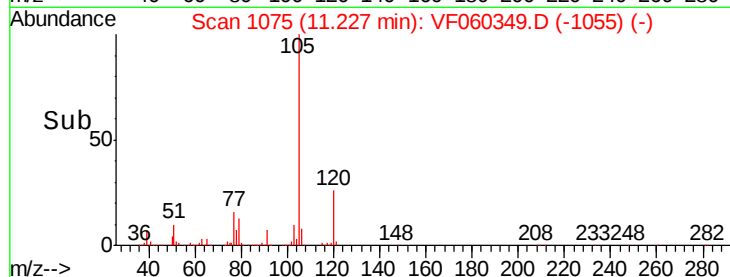
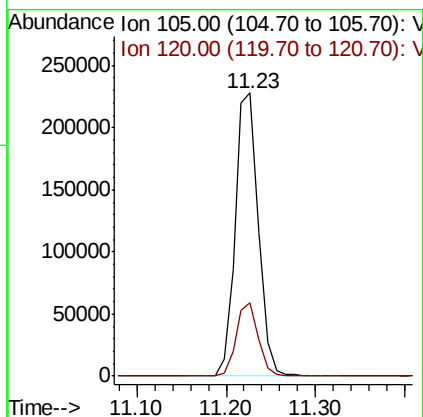
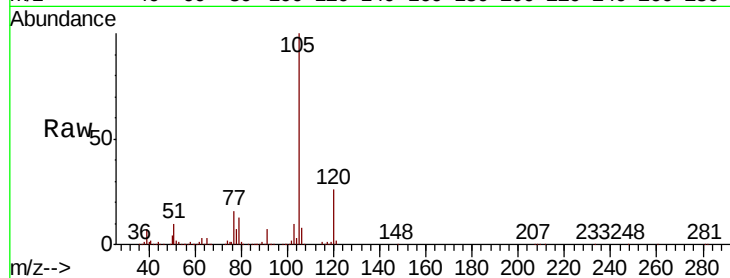
120 26.0 12.2 36.6

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



#74

N-ethyl acetate

Concen: 23.094 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion: 43 Resp: 84762

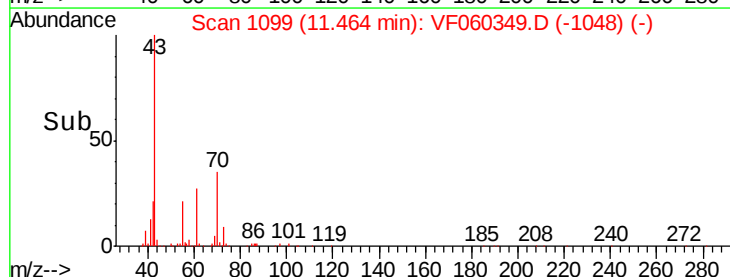
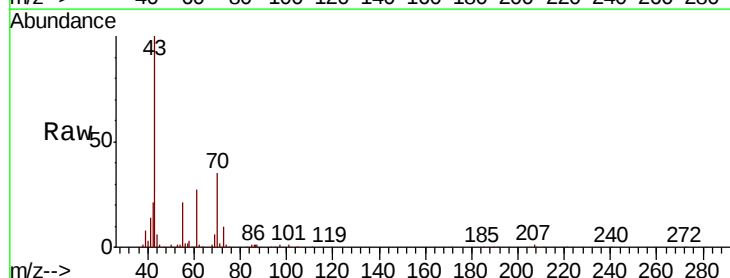
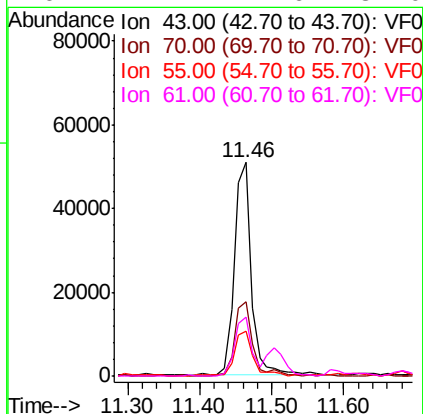
Ion Ratio Lower Upper

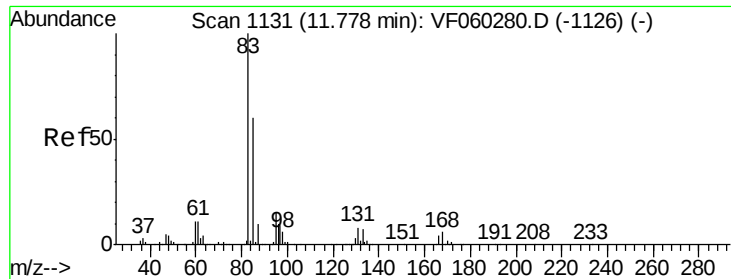
43 100

70 34.6 31.4 47.2

55 20.9 16.8 25.2

61 27.4 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.958 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

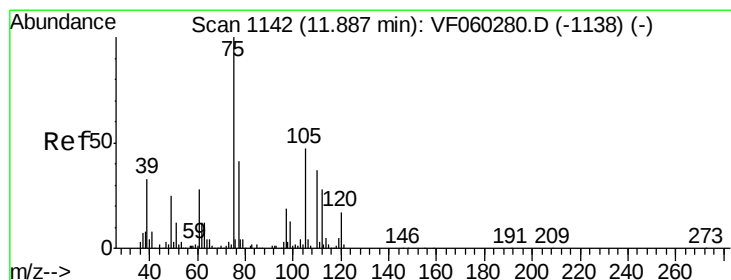
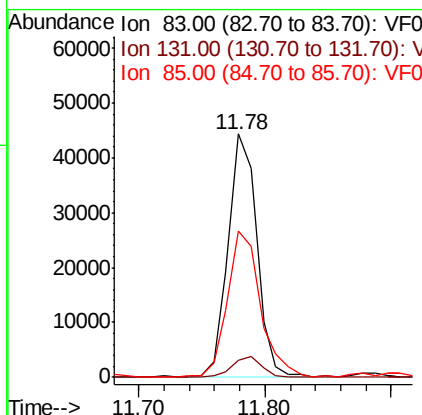
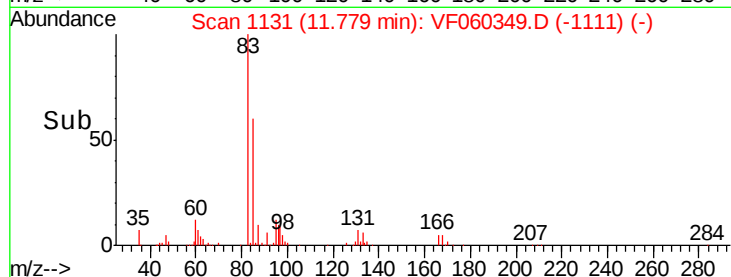
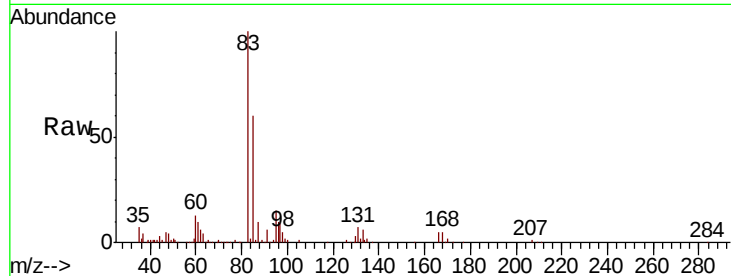
ClientSampleId :

VF0926SBS01

Tot Ion:	83	Resp:	70031
Ion Ratio	Lower	Upper	
83	100		
131	7.2	4.2	12.4
85	60.2	30.1	90.5

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM



#76

1,2,3-Trichloropropane

Concen: 22.479 ug/l

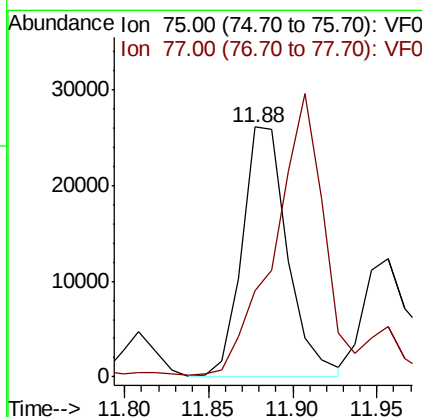
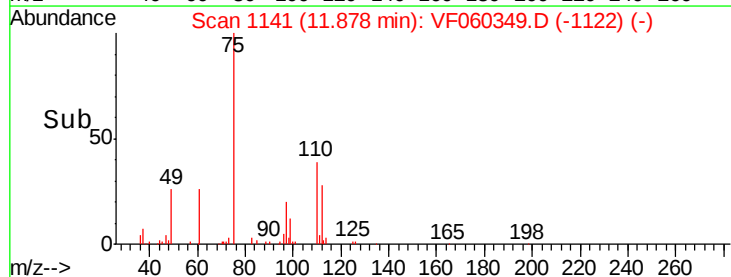
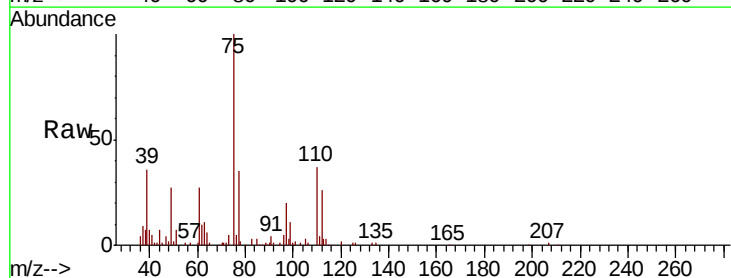
RT: 11.88 min Scan# 1141

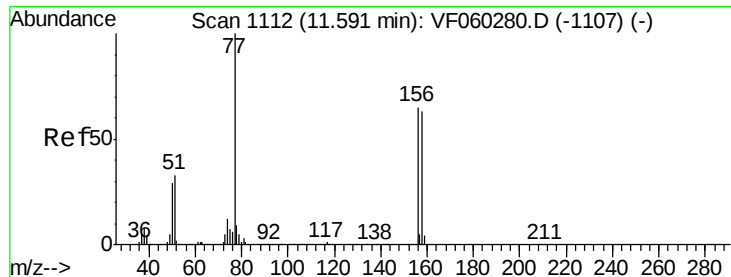
Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion:	75	Resp:	49096
Ion Ratio	Lower	Upper	
75	100		
77	34.5	20.5	61.5





#77

Bromobenzene

Concen: 23.050 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

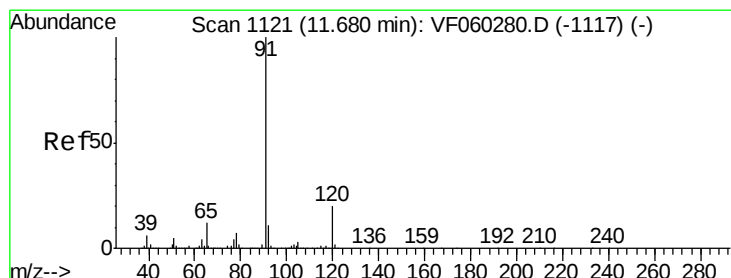
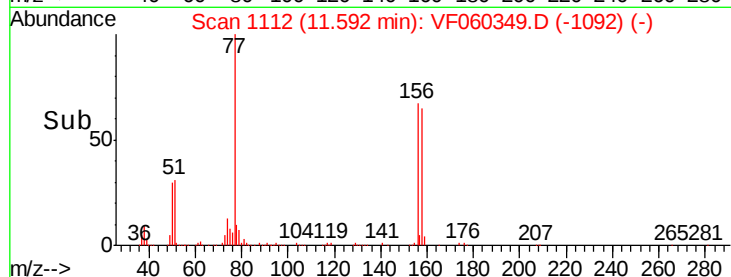
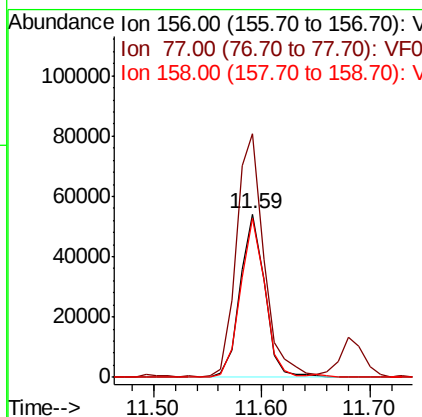
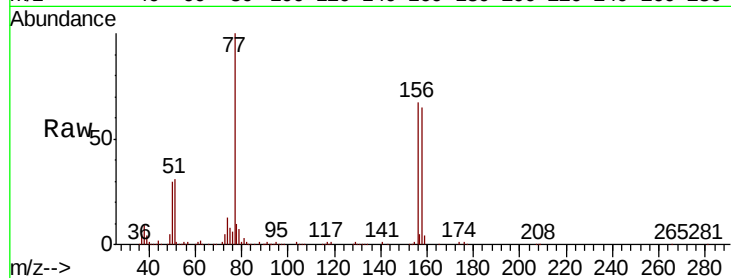
ClientSampleId :

VF0926SBS01

Tot Ion:	156	Resp:	85500
Ion Ratio	Lower	Upper	
156	100		
77	149.4	77.3	232.1
158	97.3	48.4	145.2

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM



#78

n-propylbenzene

Concen: 24.575 ug/l

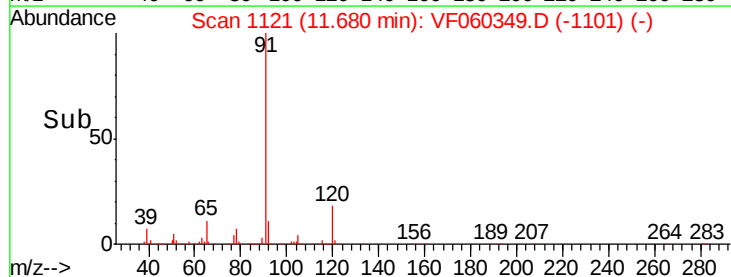
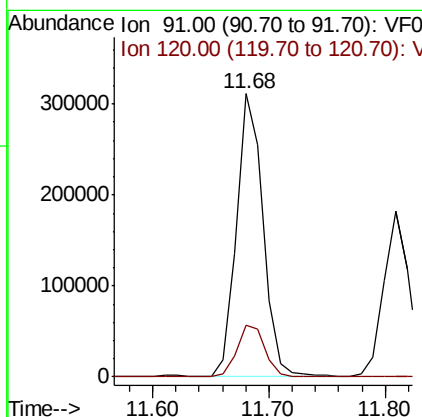
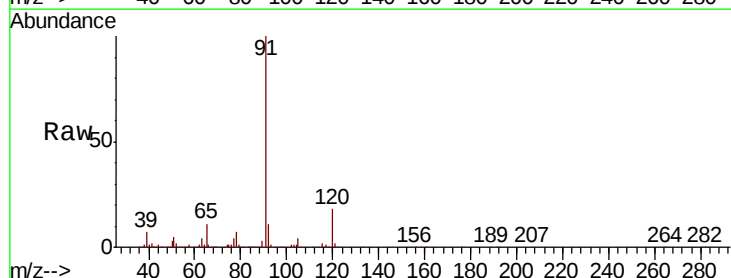
RT: 11.68 min Scan# 1121

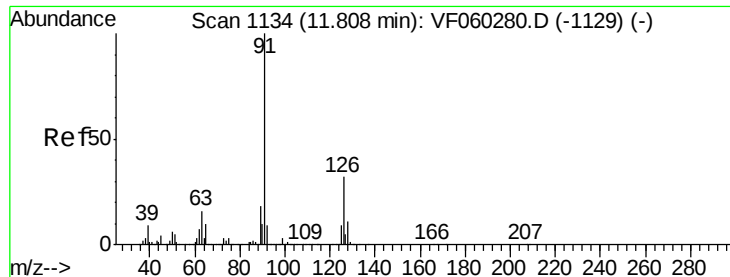
Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion:	91	Resp:	488853
Ion Ratio	Lower	Upper	
91	100		
120	18.5	10.0	29.8





#79

2-Chlorotoluene

Concen: 23.611 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 91 Resp: 274136

Ion Ratio Lower Upper

91 100

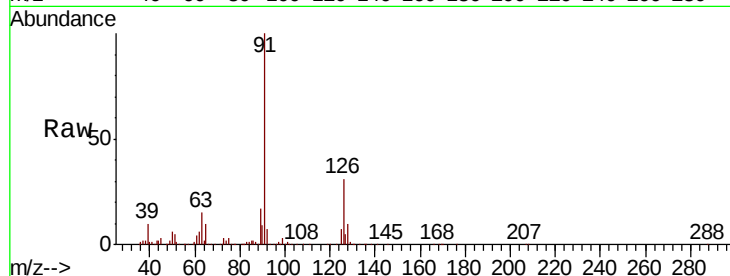
126 31.4 16.1 48.3

Manual Integrations

APPROVED

apatel

9/27/2018 9:56:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VF060280.D (-1129) (-)

Ion 126.00 (125.70 to 126.70): VF060280.D (-1129) (-)

200000

150000

100000

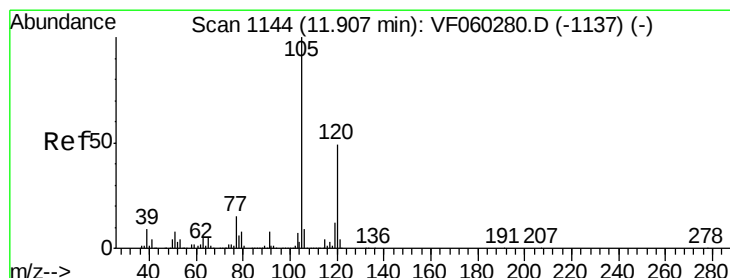
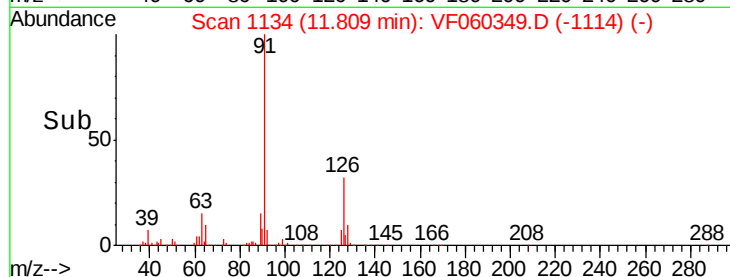
50000

0

11.80

11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.565 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060349.D

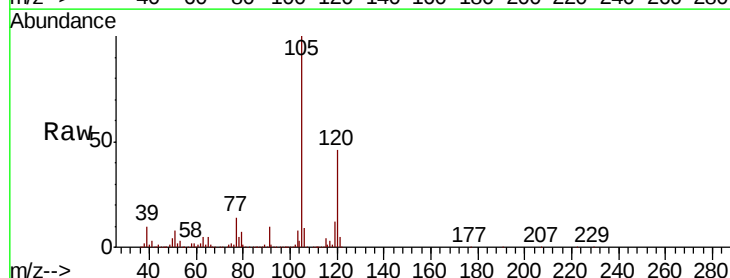
Acq: 26 Sep 2018 14:01

Tgt Ion: 105 Resp: 326498

Ion Ratio Lower Upper

105 100

120 45.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VF060280.D (-1137) (-)

Ion 120.00 (119.70 to 120.70): VF060280.D (-1137) (-)

250000

200000

150000

100000

50000

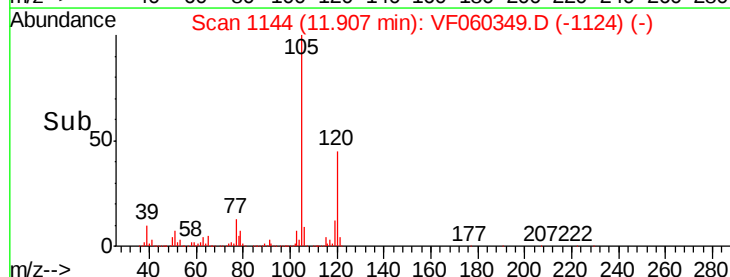
0

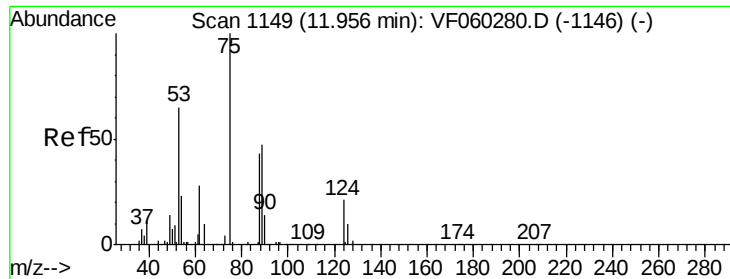
11.80

11.90

12.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.147 ug/l m

RT: 11.96 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

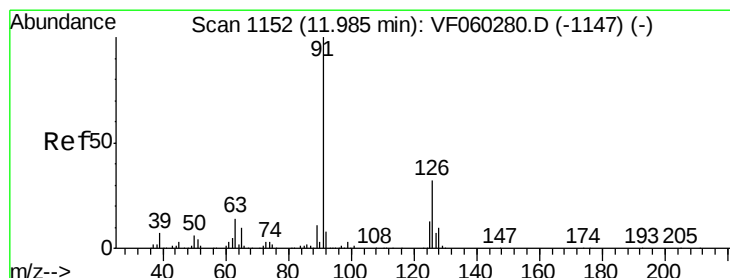
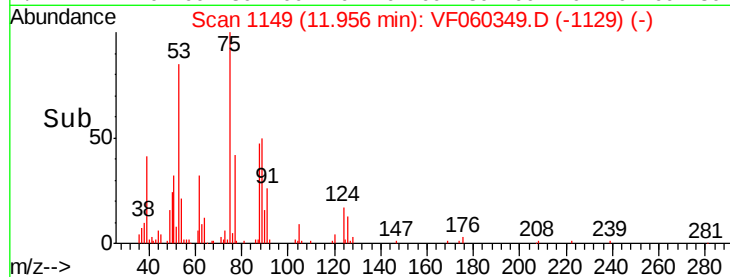
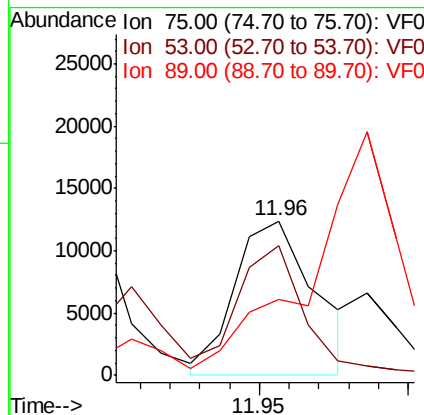
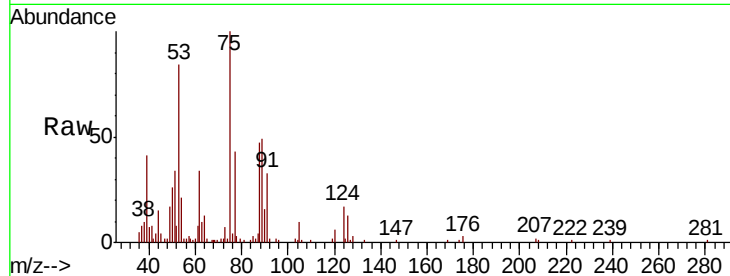
ClientSampleId :

VF0926SBS01

Tot Ion:	75	Resp:	23254
Ion	Ratio	Lower	Upper
75	100		
53	83.8	56.5	84.7
89	49.2	40.6	60.8

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM



#82

4-Chlorotoluene

Concen: 22.918 ug/l

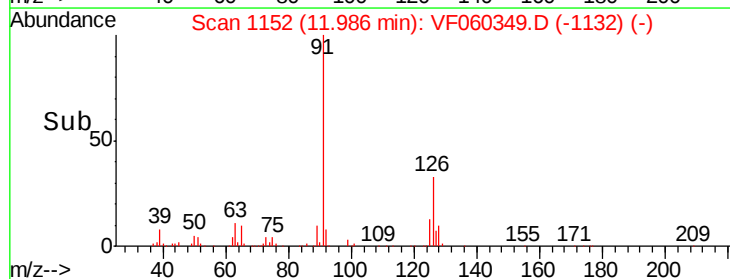
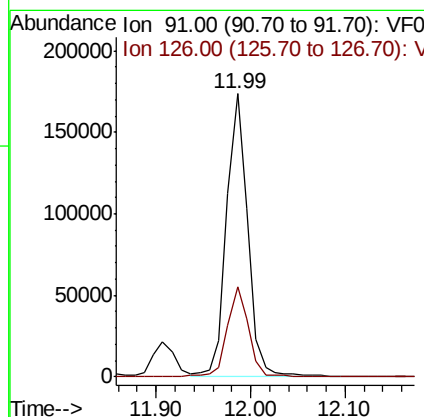
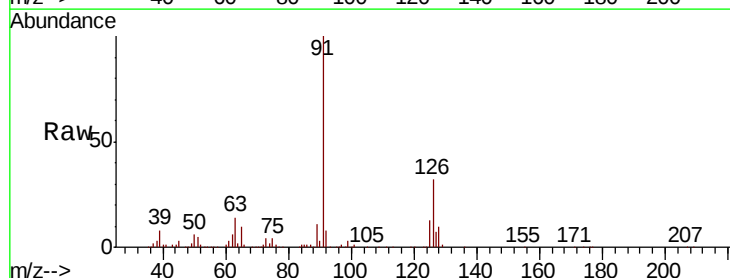
RT: 11.99 min Scan# 1152

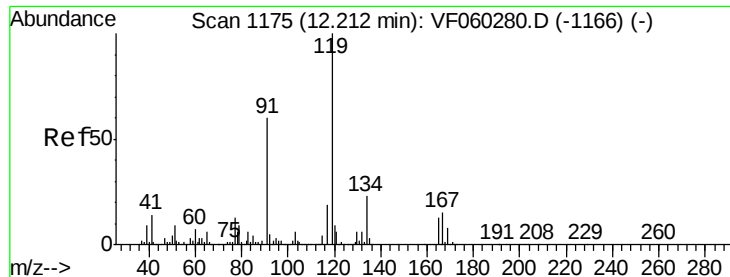
Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion:	91	Resp:	267446
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.1	48.2





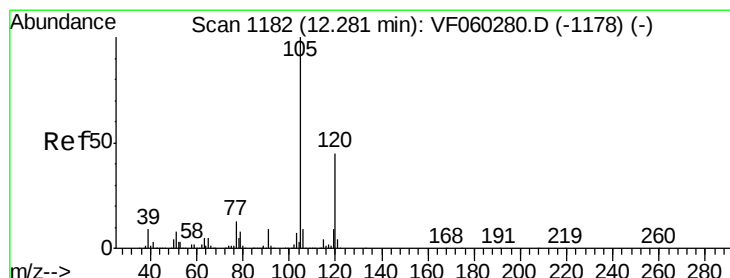
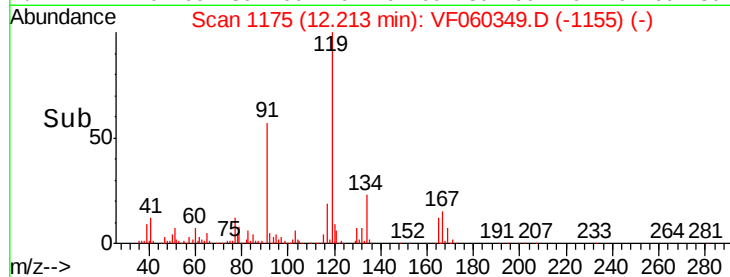
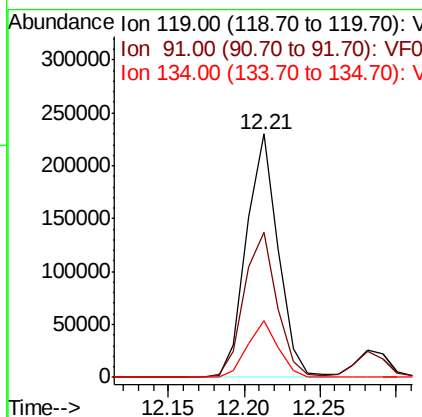
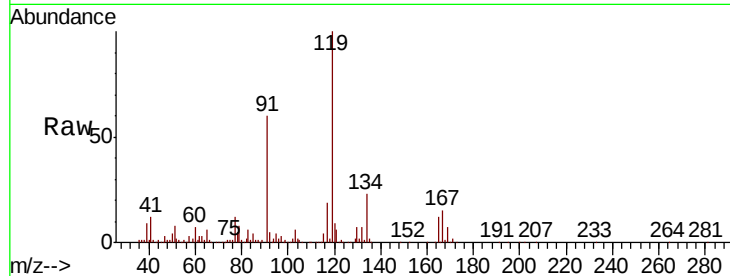
#83
 tert-Butylbenzene
 Concen: 24.093 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	338386		
91	59.8	30.3	91.0	
134	23.1	11.6	34.8	

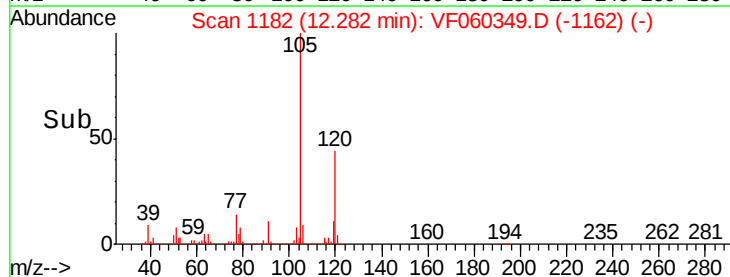
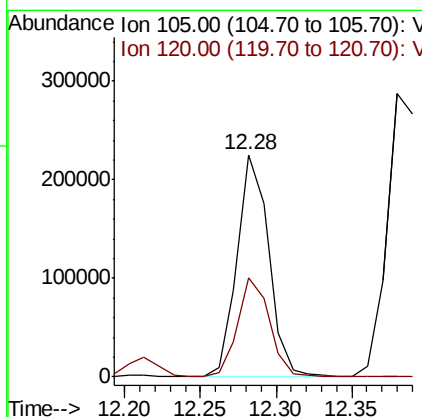
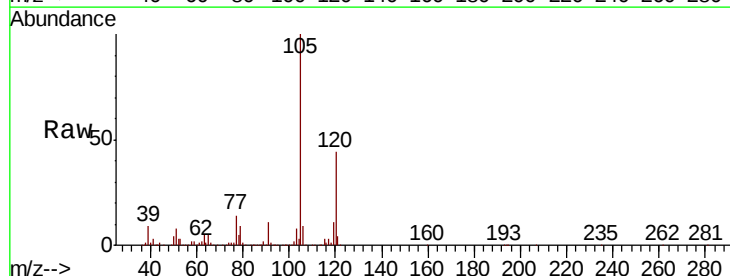
Manual Integrations
 APPROVED

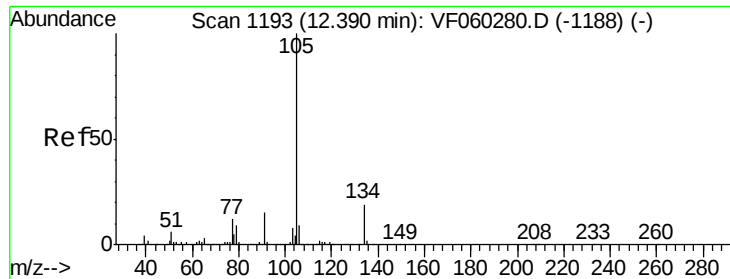
apatel
 9/27/2018 9:56:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 23.299 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	327786		
120	44.4	22.4	67.0	





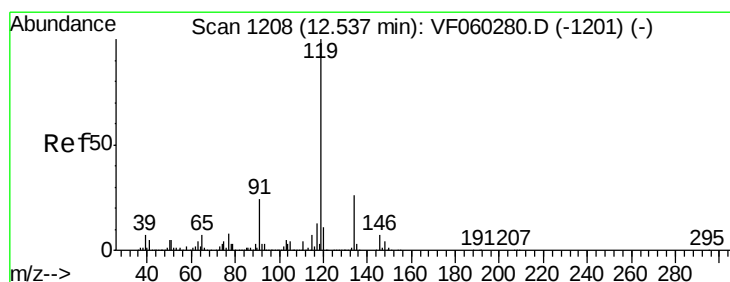
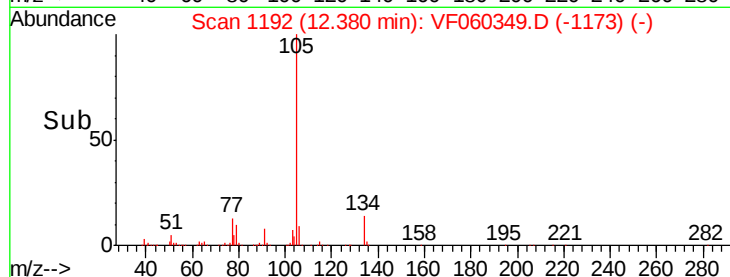
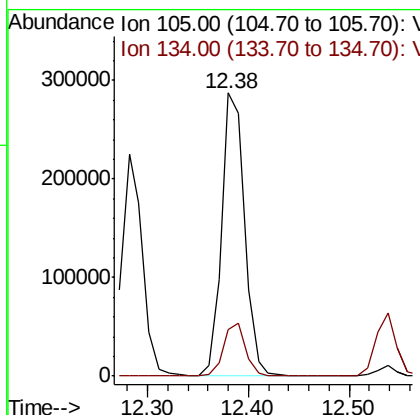
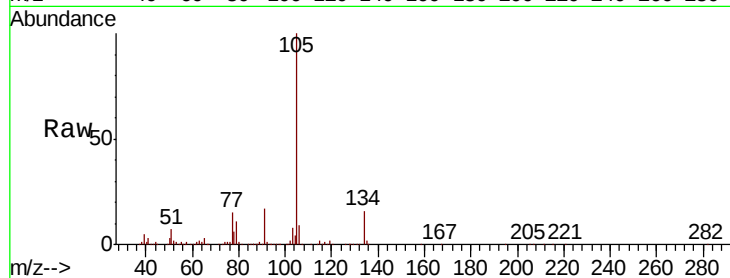
#85
 sec-Butylbenzene
 Concen: 23.361 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	454871		
134	16.2	9.6	28.6	

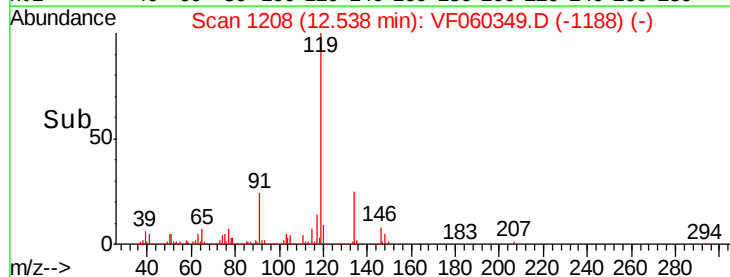
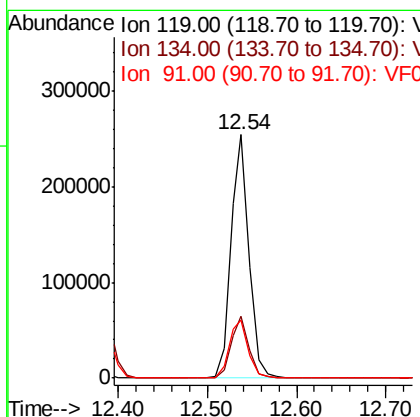
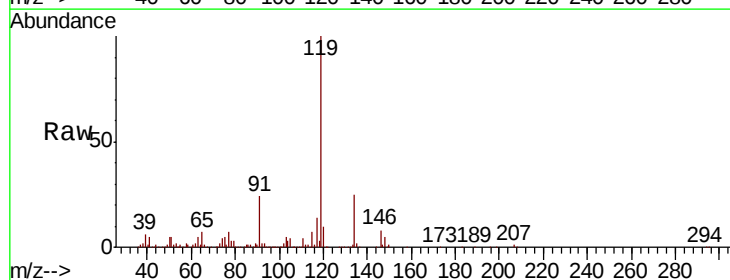
Manual Integrations
 APPROVED

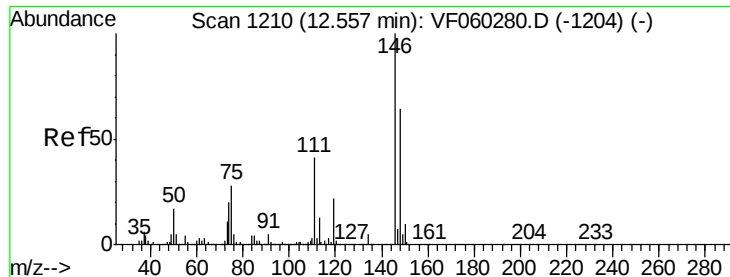
apatel
 9/27/2018 9:56:16 AM



#86
 p-Isopropyltoluene
 Concen: 23.661 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	363727		
134	25.4	12.9	38.7	
91	23.8	11.9	35.7	





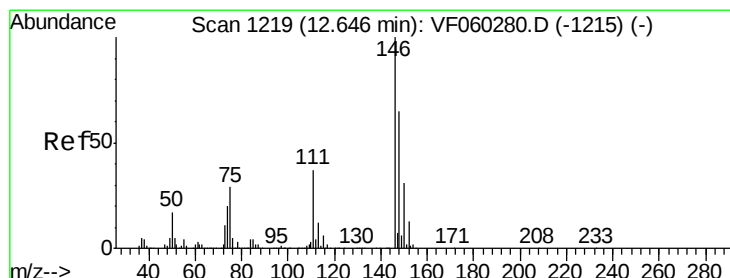
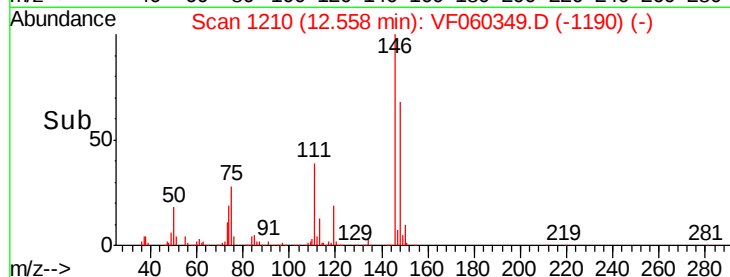
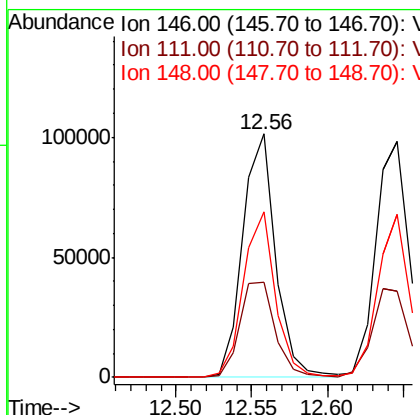
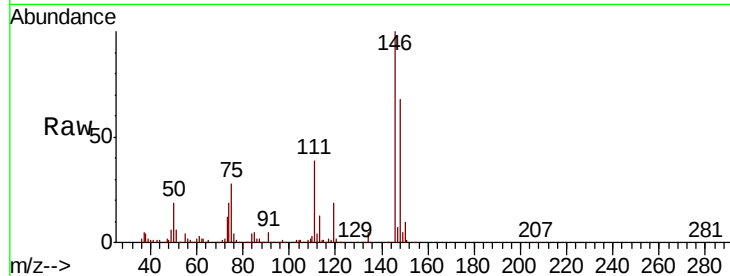
#87
 1,3-Dichlorobenzene
 Concen: 22.170 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.5	61.6
148	67.7	32.2	96.6

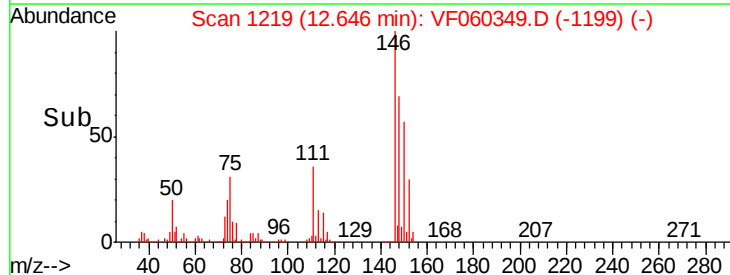
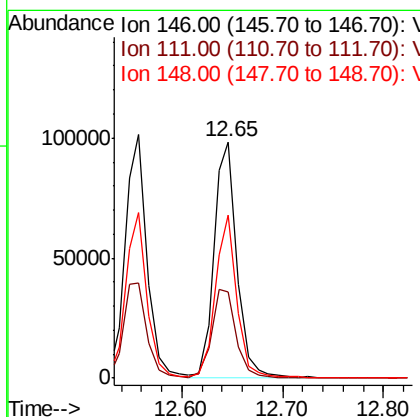
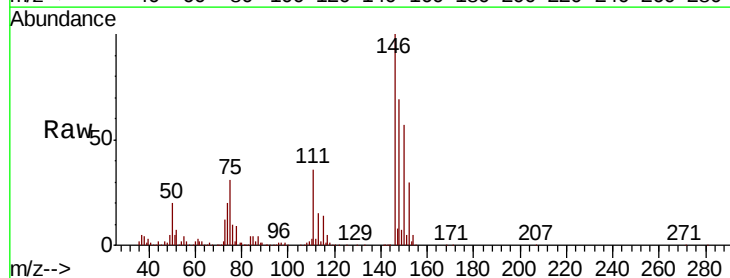
Manual Integrations
 APPROVED

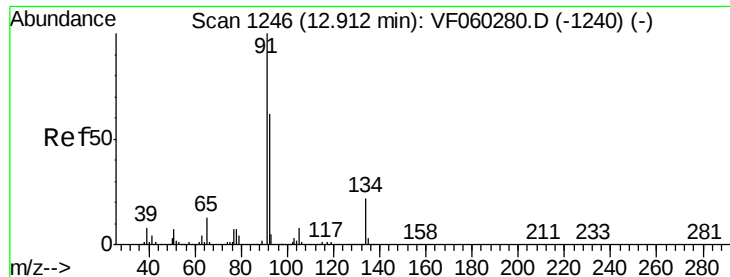
apatel
 9/27/2018 9:56:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 22.775 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.7	56.1
148	68.9	32.4	97.0





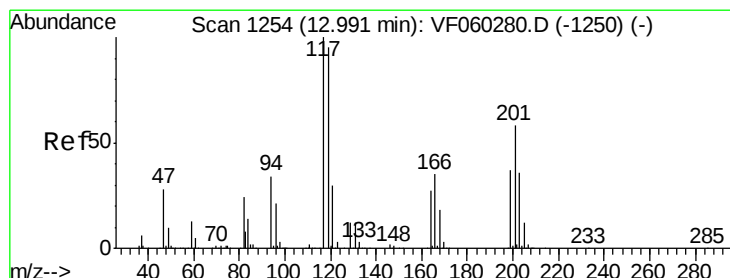
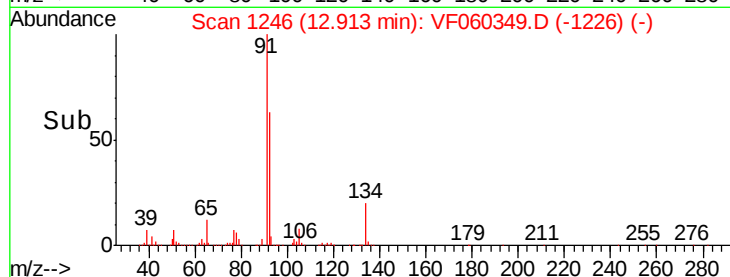
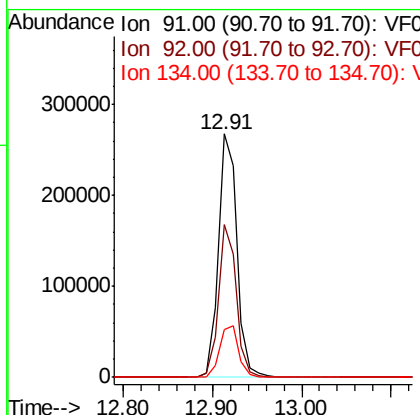
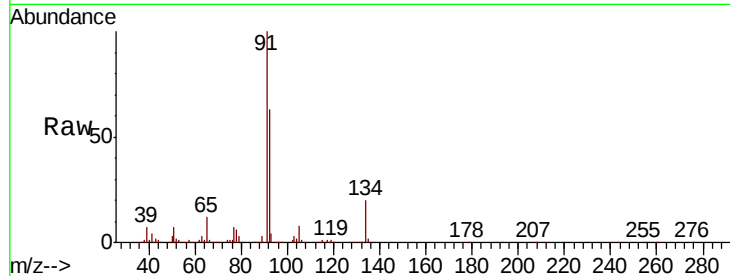
#89
n-Butylbenzene
Concen: 23.368 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.6	31.1	93.5
134	19.6	11.0	33.0

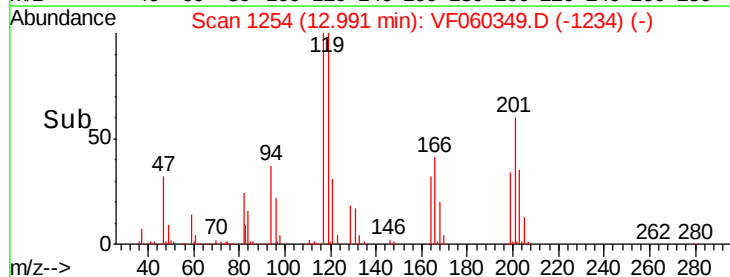
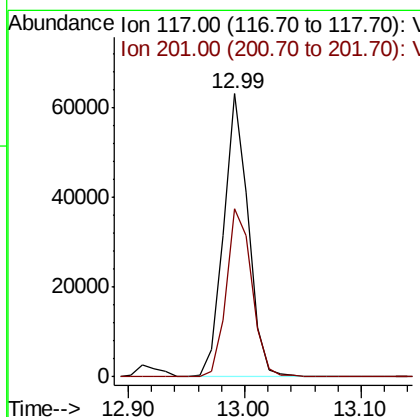
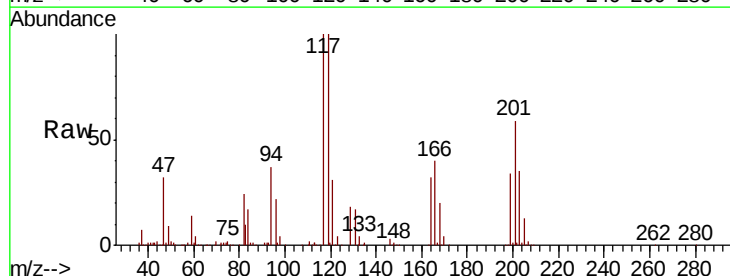
Manual Integrations
APPROVED

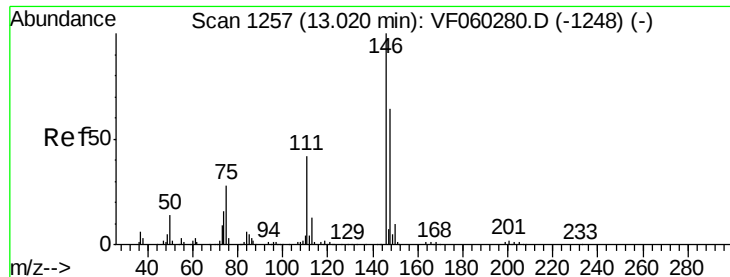
apatel
9/27/2018 9:56:16 AM



#90
Hexachloroethane
Concen: 23.413 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.4	29.0	87.0





#91

1,2-Dichlorobenzene

Concen: 22.465 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

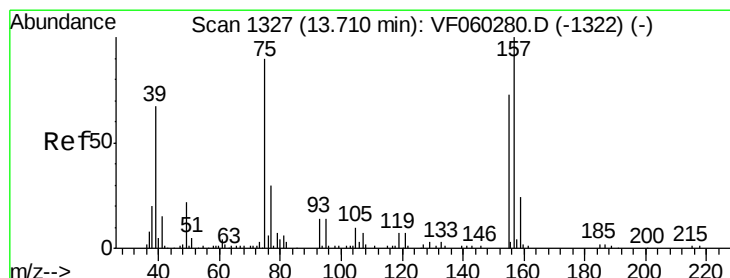
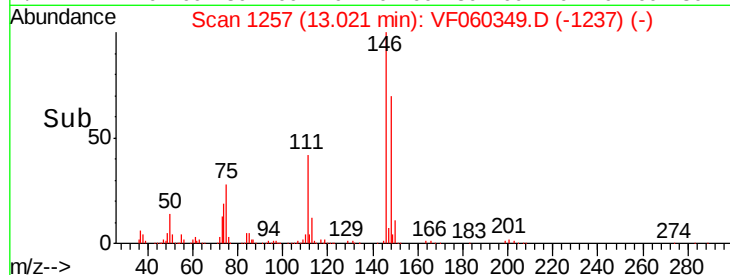
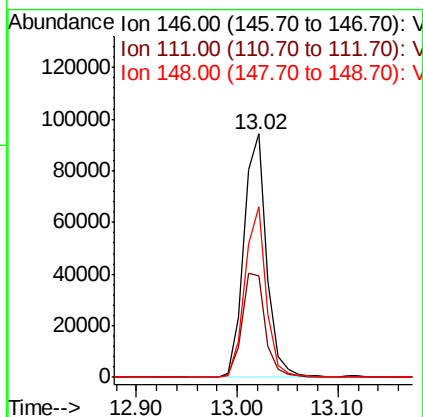
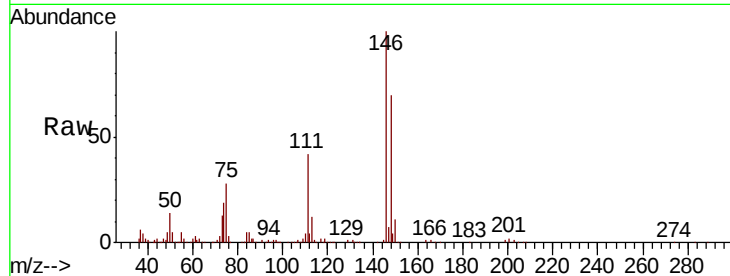
ClientSampleId :

VF0926SBS01

Tot Ion:	146	Resp:	148542
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.9	62.8
148	70.2	31.9	95.9

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.414 ug/l

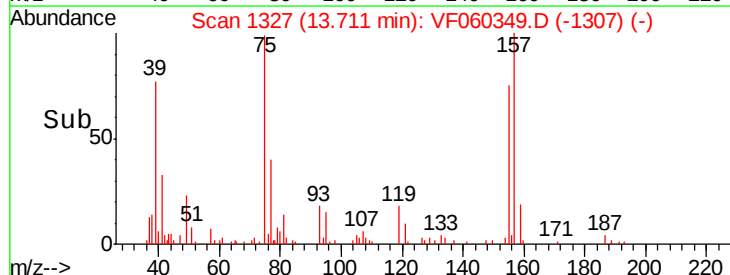
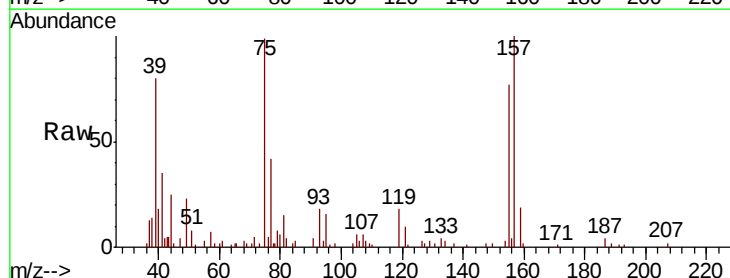
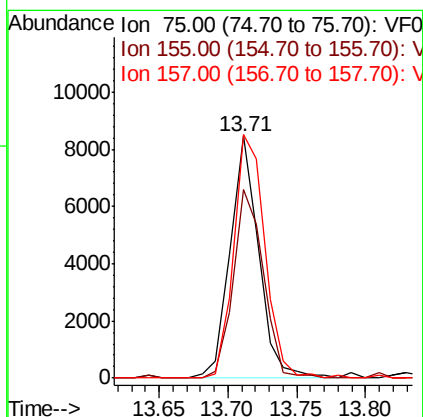
RT: 13.71 min Scan# 1327

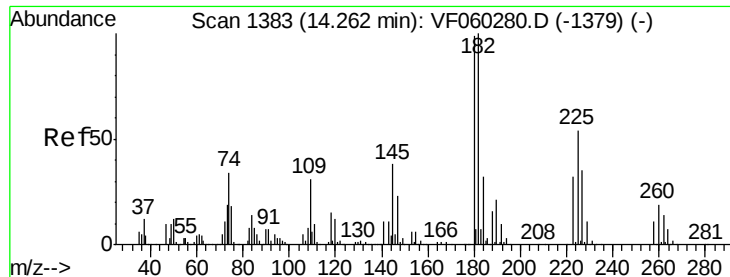
Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion:	75	Resp:	12264
Ion Ratio	Lower	Upper	
75	100		
155	78.0	41.9	125.7
157	100.7	57.4	172.0





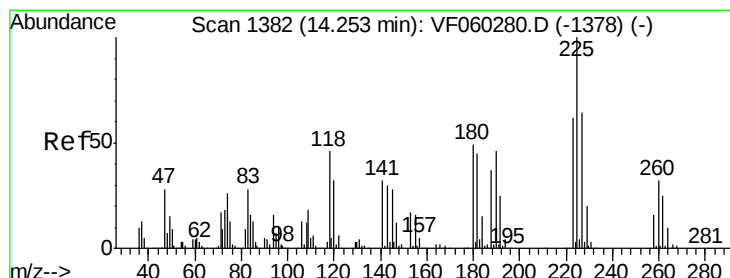
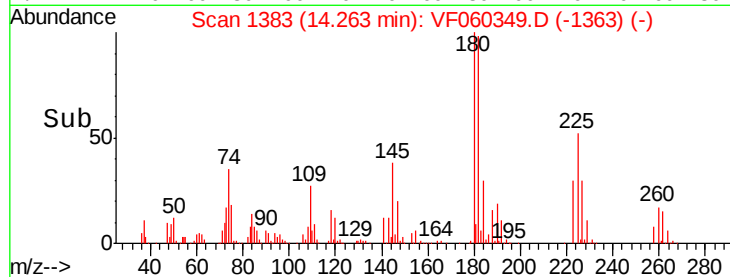
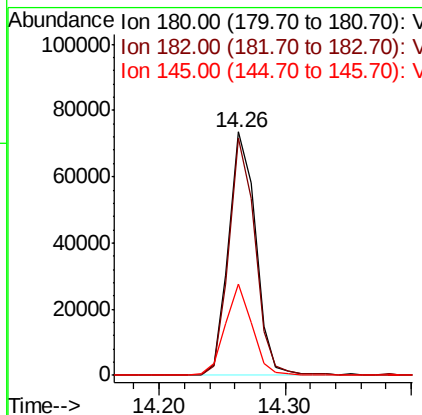
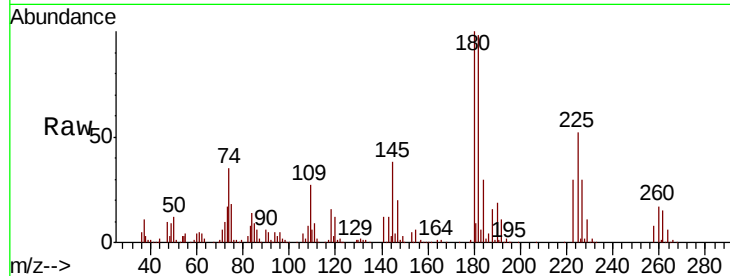
#93
 1,2,4-Trichlorobenzene
 Concen: 22.851 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Tot Ion:	180	Resp:	109825
Ion Ratio	Lower	Upper	
180	100		
182	97.5	50.3	151.0
145	37.6	18.9	56.9

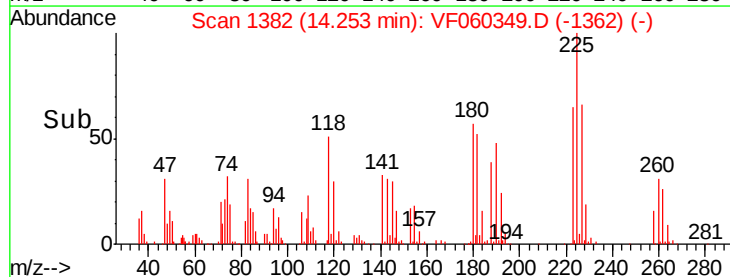
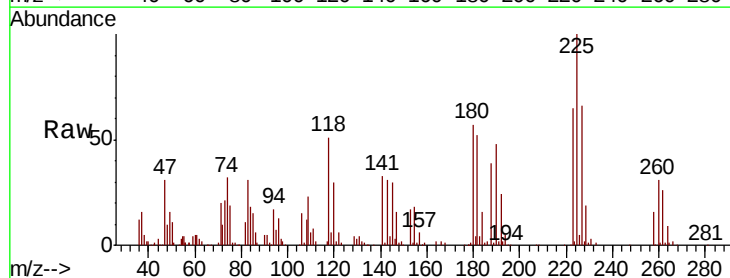
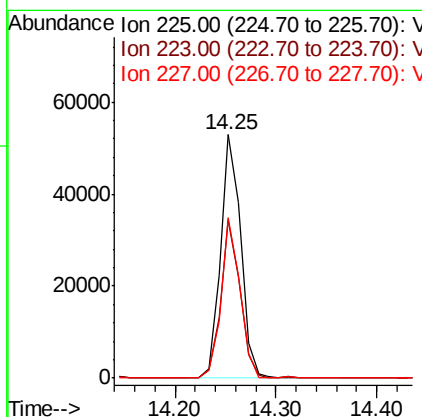
Manual Integrations
 APPROVED

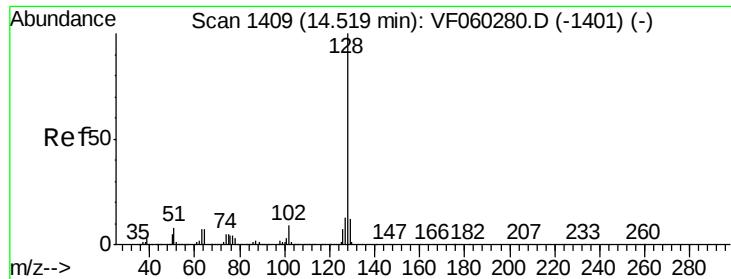
apatel
 9/27/2018 9:56:16 AM



#94
 Hexachlorobutadiene
 Concen: 22.730 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion:	225	Resp:	73849
Ion Ratio	Lower	Upper	
225	100		
223	64.9	31.2	93.6
227	66.0	32.2	96.6





#95

Naphthalene

Concen: 20.476 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

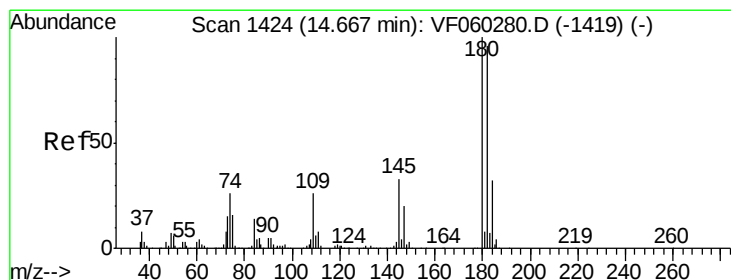
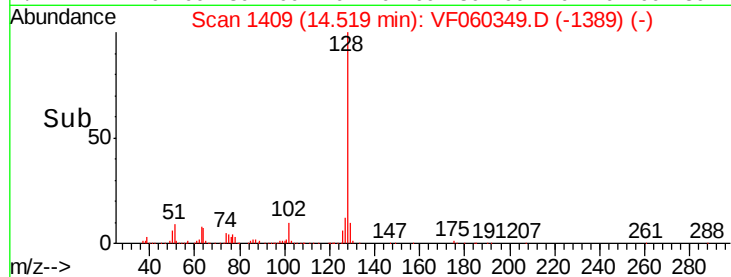
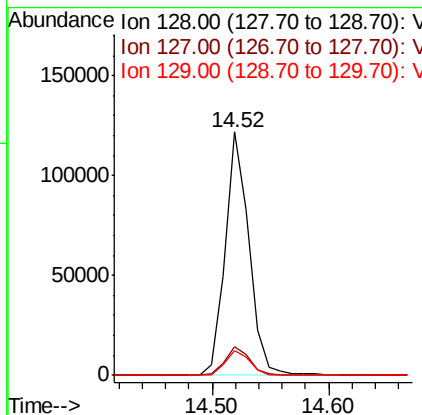
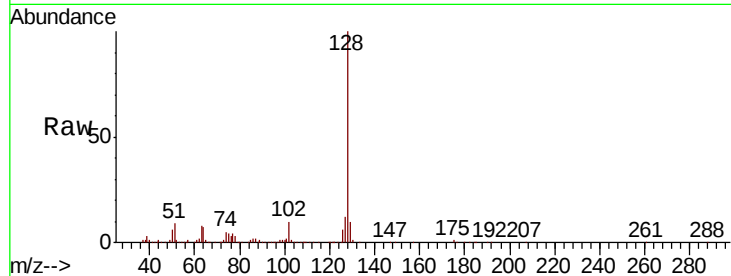
ClientSampleId :

VF0926SBS01

Tot Ion:	128	Resp:	172533
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.1	15.1
129	10.0	9.8	14.8

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.360 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion:	180	Resp:	99299
Ion Ratio	Lower	Upper	
180	100		
182	100.6	47.8	143.4
145	32.3	16.4	49.1

