

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092518\
 Data File : VF060326.D
 Acq On : 25 Sep 2018 15:53
 Operator : VA/AP
 Sample : VF0925SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Manual Integrations
 APPROVED

apatel
 9/26/2018 11:42:16 AM

Quant Time: Sep 26 02:19:51 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	262397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	416888	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	382022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	205781	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	188547	53.36	ug/l	0.00
Spiked Amount						
			Recovery	=	106.72%	
35) Dibromofluoromethane	4.27	113	188119	50.62	ug/l	-0.02
Spiked Amount						
			Recovery	=	101.24%	
50) Toluene-d8	7.69	98	472764	48.85	ug/l	-0.02
Spiked Amount						
			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.50	95	213657	51.07	ug/l	0.00
Spiked Amount						
			Recovery	=	102.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	108960	24.563	ug/l	89
3) Chloromethane	1.12	50	74617	20.867	ug/l	96
4) Vinyl Chloride	1.17	62	78025	21.411	ug/l	95
5) Bromomethane	1.34	94	51281	20.862	ug/l	91
6) Chloroethane	1.43	64	37315	21.500	ug/l	91
7) Trichlorofluoromethane	1.53	101	161375	23.769	ug/l	91
8) Diethyl Ether	1.69	74	22816	20.199	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.88	101	82703	22.905	ug/l	95
10) Methyl Iodide	1.96	142	126996	21.811	ug/l #	96
11) Tert butyl alcohol	2.67	59	25858	122.616	ug/l	99
12) 1,1-Dichloroethene	1.84	96	65827	22.045	ug/l	85
13) Acrolein	2.08	56	9162	99.376	ug/l	90
14) Allyl chloride	2.18	41	111650	21.427	ug/l	95
15) Acrylonitrile	3.07	53	52504	105.215	ug/l	89
16) Acetone	2.33	43	118341	118.931	ug/l	99
17) Carbon Disulfide	1.88	76	201019	23.085	ug/l	96
18) Methyl Acetate	2.43	43	35568	21.457	ug/l	98
19) Methyl tert-butyl Ether	2.52	73	177069	23.787	ug/l	100
20) Methylene Chloride	2.27	84	82734m	27.429	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	65505	21.240	ug/l	96
22) Diisopropyl ether	2.92	45	216518	22.023	ug/l	96
23) Vinyl Acetate	3.32	43	430886	111.591	ug/l	100
24) 1,1-Dichloroethane	2.99	63	144952	22.734	ug/l	99
25) 2-Butanone	4.49	43	133361	99.574	ug/l	97
26) 2,2-Dichloropropane	3.75	77	75436	20.735	ug/l	94
27) cis-1,2-Dichloroethene	3.62	96	85665	21.143	ug/l	87
28) Bromochloromethane	3.87	49	51773	20.856	ug/l	87
29) Tetrahydrofuran	4.24	42	50376	102.711	ug/l	98
30) Chloroform	4.02	83	159121	20.683	ug/l	93
31) Cyclohexane	3.84	56	104079	19.325	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	135357	22.298	ug/l	95
36) 1,1-Dichloropropene	4.45	75	114149	21.951	ug/l	97
37) Ethyl Acetate	4.27	43	45599	20.724	ug/l #	78
38) Carbon Tetrachloride	4.15	117	141077m	25.258	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092518\
 Data File : VF060326.D
 Acq On : 25 Sep 2018 15:53
 Operator : VA/AP
 Sample : VF0925SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0925SBS01

Manual Integrations
 APPROVED

apatel
 9/26/2018 11:42:16 AM

Quant Time: Sep 26 02:19:51 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	5.61	83	121989	21.645	ug/l	91
40) Benzene	4.79	78	262027	22.222	ug/l	99
41) Methacrylonitrile	4.91	41	27255	22.828	ug/l #	81
42) 1,2-Dichloroethane	5.10	62	100600	23.180	ug/l	94
43) Isopropyl Acetate	7.10	43	55970	21.130	ug/l #	86
44) Trichloroethene	5.66	130	75693	21.570	ug/l	86
45) 1,2-Dichloropropane	6.39	63	69249	22.693	ug/l	94
46) Dibromomethane	6.24	93	48556	22.260	ug/l	96
47) Bromodichloromethane	6.53	83	119687	22.832	ug/l	93
48) Methyl methacrylate	6.86	41	38247	20.569	ug/l	93
49) 1,4-Dioxane	6.85	88	7269	437.575	ug/l #	68
51) 4-Methyl-2-Pentanone	8.39	43	207204	101.492	ug/l	93
52) Toluene	7.77	92	162135	21.736	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	98425	23.278	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	114832	21.558	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	49636	21.924	ug/l	96
56) Ethyl methacrylate	8.74	69	55386	20.256	ug/l	89
57) 1,3-Dichloropropane	8.99	76	86843	23.166	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	26178	108.299	ug/l	100
59) 2-Hexanone	9.61	43	142862	98.280	ug/l	97
60) Dibromochloromethane	8.85	129	75405	22.346	ug/l	97
61) 1,2-Dibromoethane	9.12	107	55621	22.062	ug/l	99
64) Tetrachloroethene	8.29	164	70012	20.216	ug/l	95
65) Chlorobenzene	9.93	112	181511	20.964	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	77865	21.670	ug/l	97
67) Ethyl Benzene	10.02	91	339488	21.206	ug/l	98
68) m/p-Xylenes	10.25	106	243816	44.083	ug/l	100
69) o-Xylene	10.81	106	135489	21.841	ug/l	94
70) Styrene	10.89	104	188602	21.558	ug/l	97
71) Bromoform	10.88	173	41059	20.806	ug/l #	94
73) Isopropylbenzene	11.22	105	397473	21.516	ug/l	97
74) N-amyl acetate	11.45	43	79702	20.232	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	68872	21.037	ug/l	89
76) 1,2,3-Trichloropropane	11.88	75	49623	21.169	ug/l	88
77) Bromobenzene	11.58	156	81344	20.432	ug/l	96
78) n-propylbenzene	11.68	91	488195	22.169	ug/l	98
79) 2-Chlorotoluene	11.80	91	263072	21.111	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	333954	22.457	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	26193m	21.143	ug/l	
82) 4-Chlorotoluene	11.98	91	275525	21.998	ug/l	97
83) tert-Butylbenzene	12.20	119	326965	21.690	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	337544	22.354	ug/l	100
85) sec-Butylbenzene	12.38	105	449490	20.712	ug/l	100
86) p-Isopropyltoluene	12.53	119	363503	21.384	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	163498	21.977	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	155689	21.173	ug/l	97
89) n-Butylbenzene	12.91	91	391908	21.460	ug/l	94
90) Hexachloroethane	12.98	117	92222	21.863	ug/l	89
91) 1,2-Dichlorobenzene	13.01	146	157313	22.166	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	13315	21.662	ug/l	77

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092518\
Data File : VF060326.D
Acq On : 25 Sep 2018 15:53
Operator : VA/AP
Sample : VF0925SBS01
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

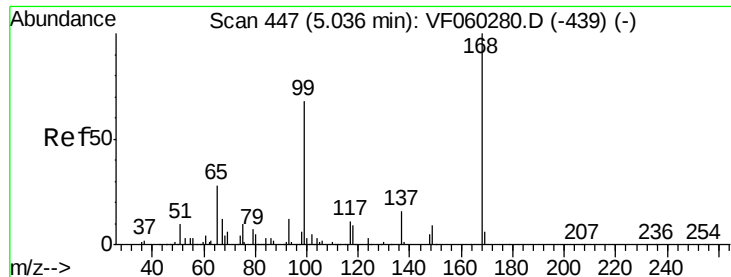
Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM

Quant Time: Sep 26 02:19:51 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	14.25	180	114700	22.236	ug/l	95
94) Hexachlorobutadiene	14.24	225	75517	21.657	ug/l	97
95) Naphthalene	14.51	128	179773	19.878	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	104877	22.003	ug/l	98

(#) = 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: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion:168 Resp: 262397

Ion Ratio Lower Upper

168 100

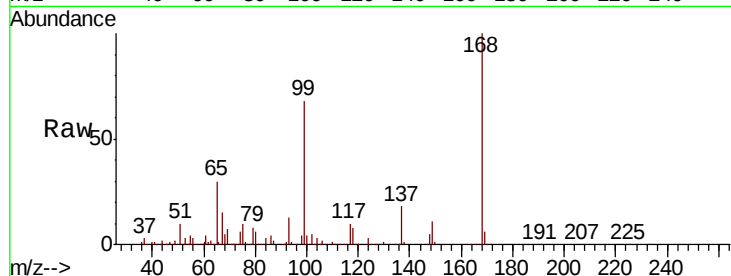
99 67.7 54.8 82.2

Manual Integrations

APPROVED

apatel

9/26/2018 11:42:16 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

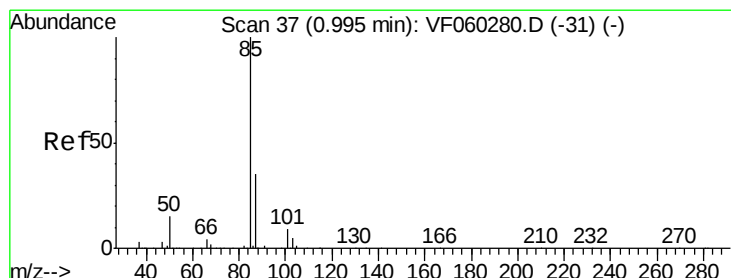
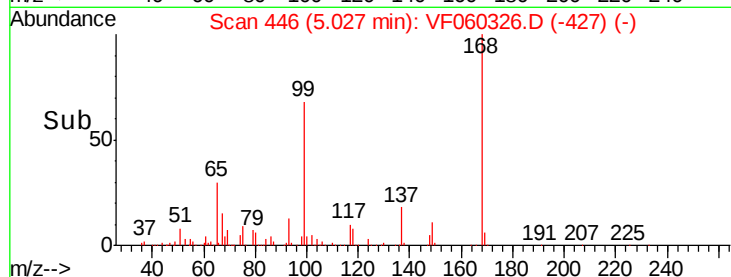
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.563 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060326.D

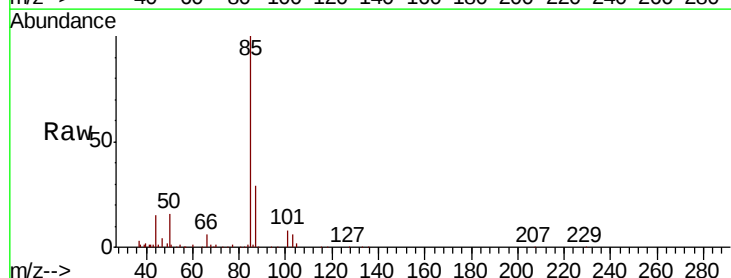
Acq: 25 Sep 2018 15:53

Tgt Ion: 85 Resp: 108960

Ion Ratio Lower Upper

85 100

87 28.5 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

50000

40000

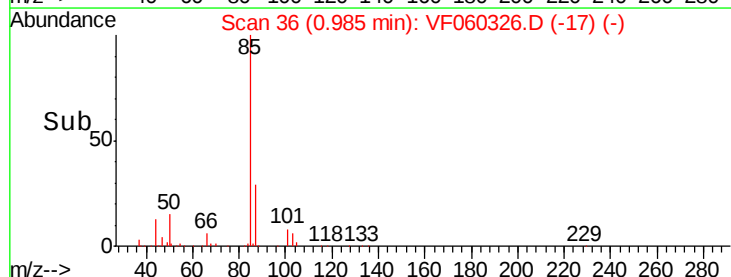
30000

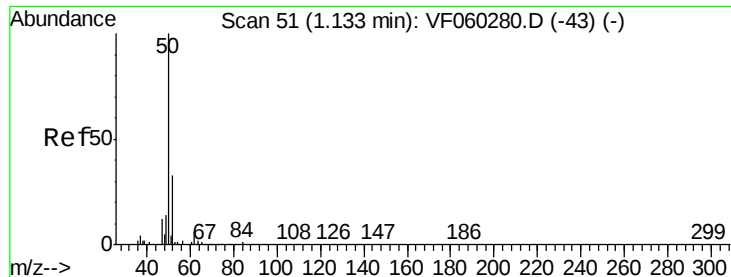
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.867 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 50 Resp: 74617

Ion Ratio Lower Upper

50 100

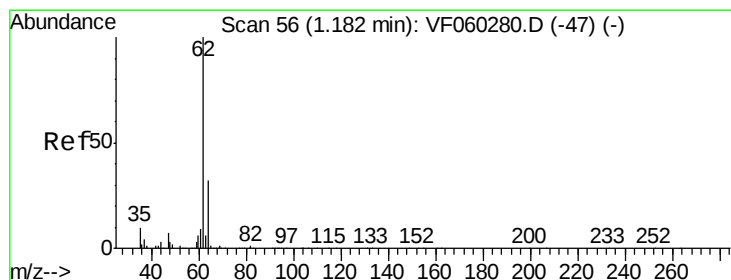
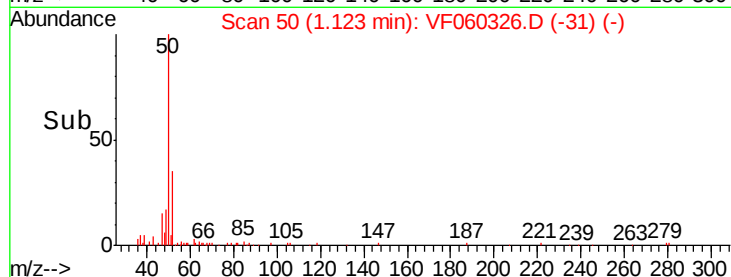
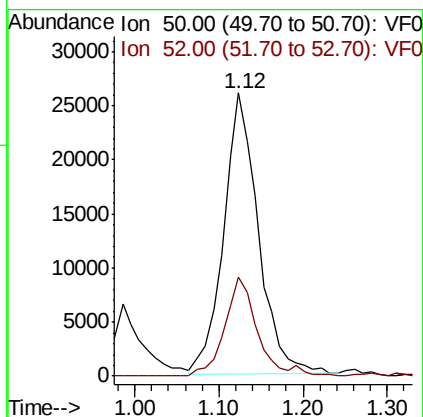
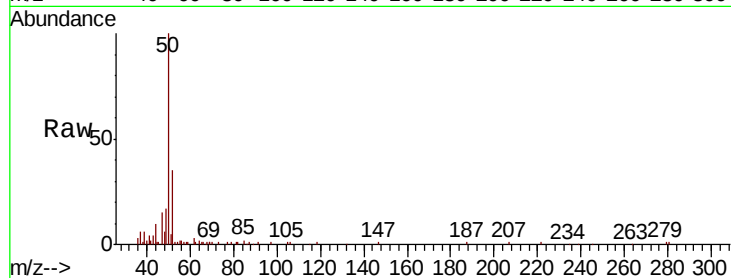
52 35.2 26.5 39.7

Manual Integrations

APPROVED

apatel

9/26/2018 11:42:16 AM



#4

Vinyl Chloride

Concen: 21.411 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060326.D

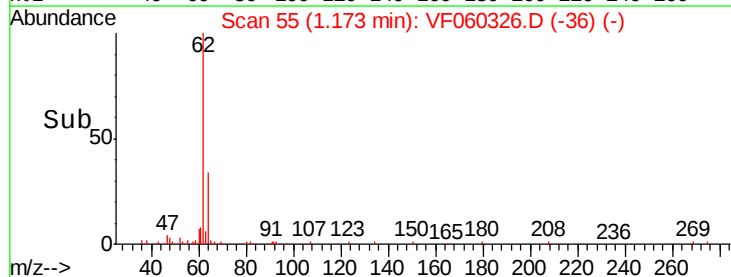
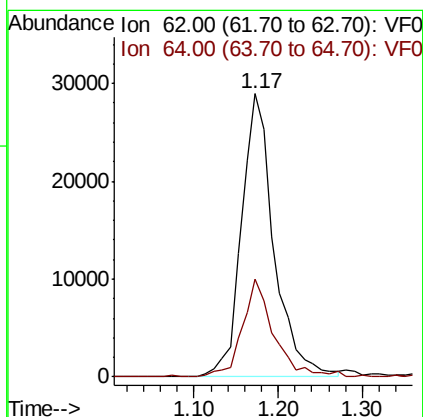
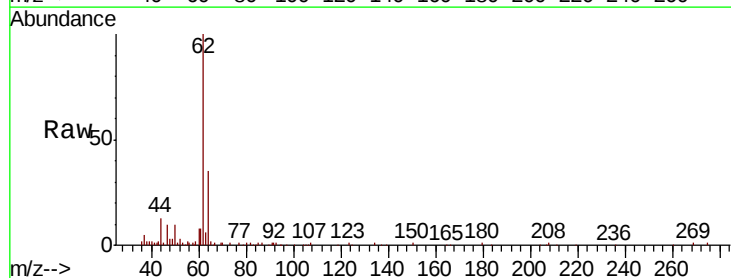
Acq: 25 Sep 2018 15:53

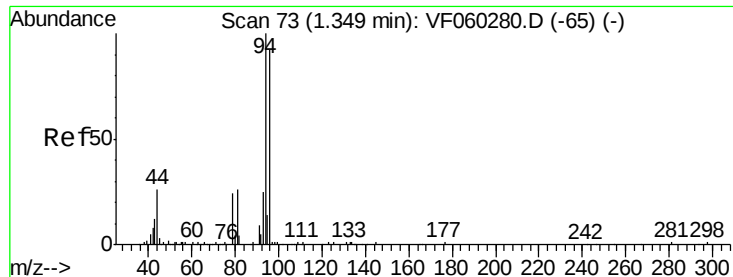
Tgt Ion: 62 Resp: 78025

Ion Ratio Lower Upper

62 100

64 34.5 25.2 37.8





#5

Bromomethane

Concen: 20.862 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 94 Resp: 51281

Ion Ratio Lower Upper

94 100

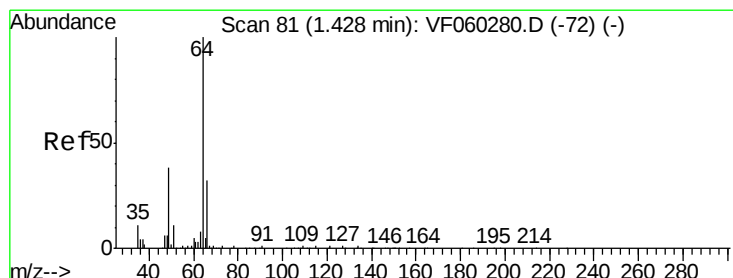
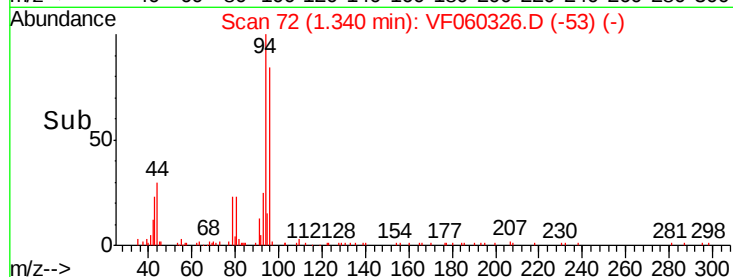
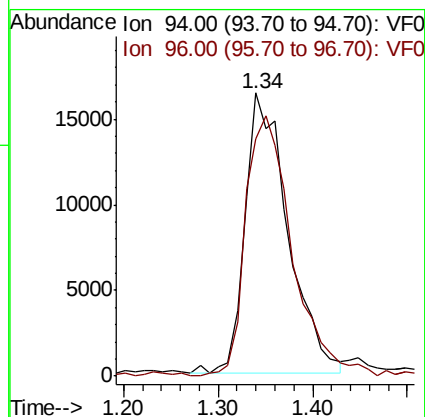
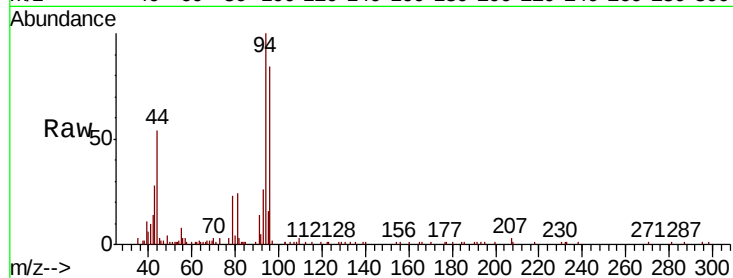
96 83.8 73.9 110.9

Manual Integrations

APPROVED

apatel

9/26/2018 11:42:16 AM



#6

Chloroethane

Concen: 21.500 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060326.D

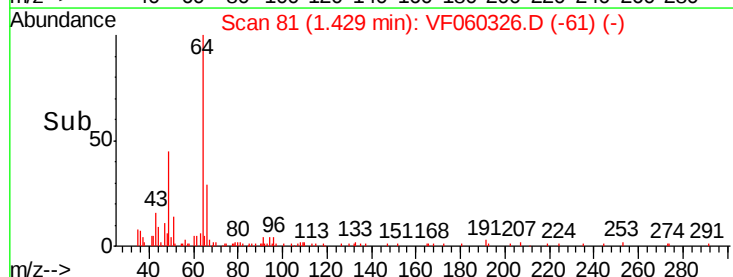
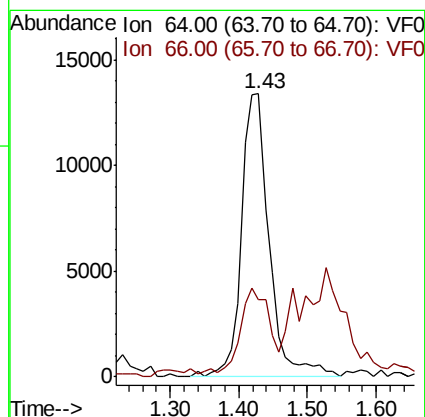
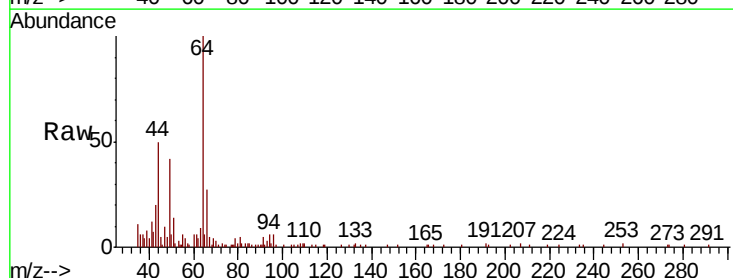
Acq: 25 Sep 2018 15:53

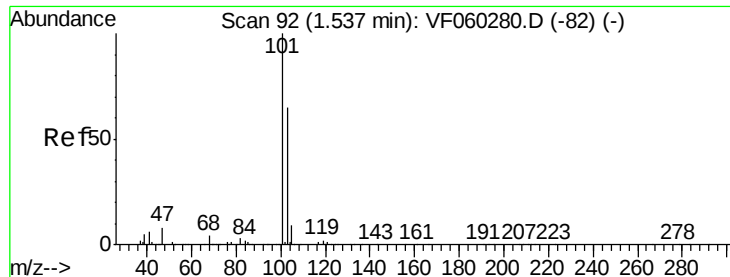
Tgt Ion: 64 Resp: 37315

Ion Ratio Lower Upper

64 100

66 27.5 26.2 39.2





#7

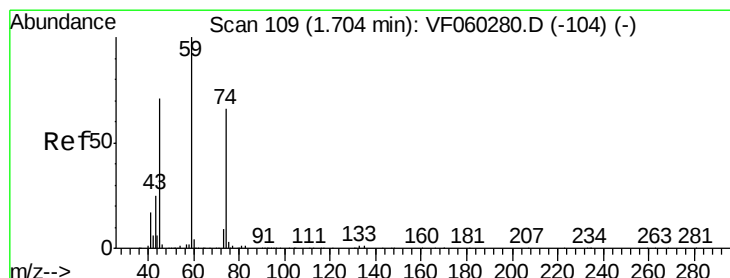
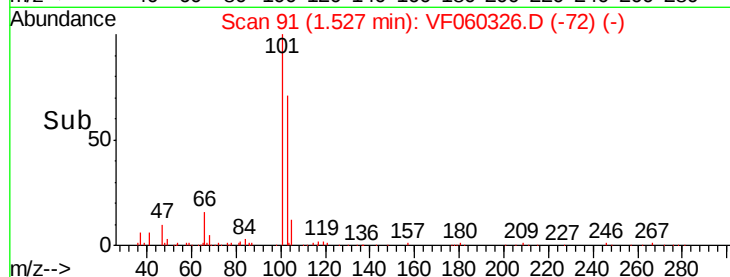
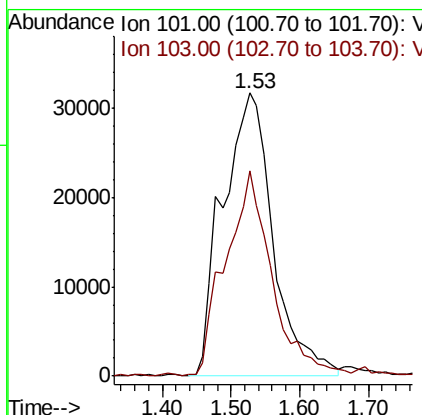
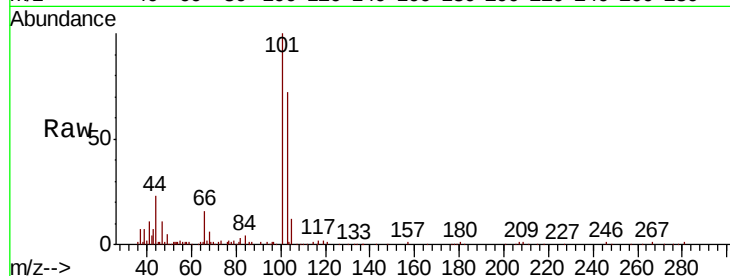
Trichlorofluoromethane
 Concen: 23.769 ug/l
 RT: 1.53 min Scan# 91
 Delta R.T. -0.01 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	72.3	52.0	78.0

Manual Integrations
 APPROVED

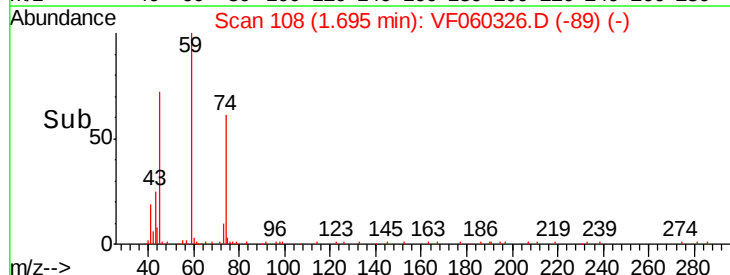
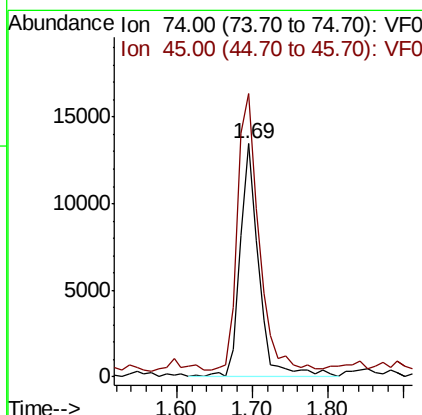
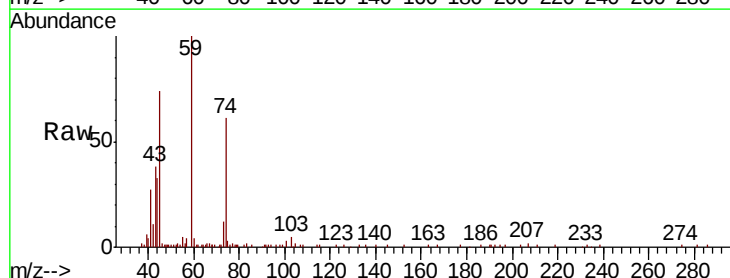
apatel
 9/26/2018 11:42:16 AM

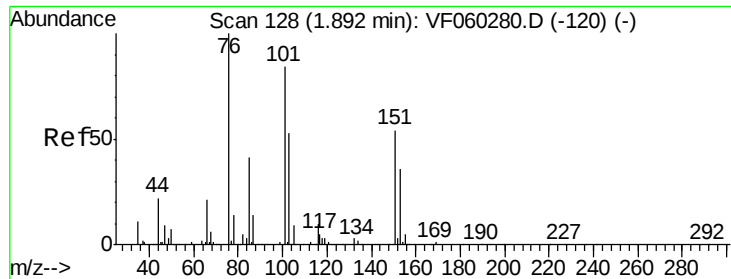


#8

Diethyl Ether
 Concen: 20.199 ug/l
 RT: 1.69 min Scan# 108
 Delta R.T. -0.01 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.3	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.905 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

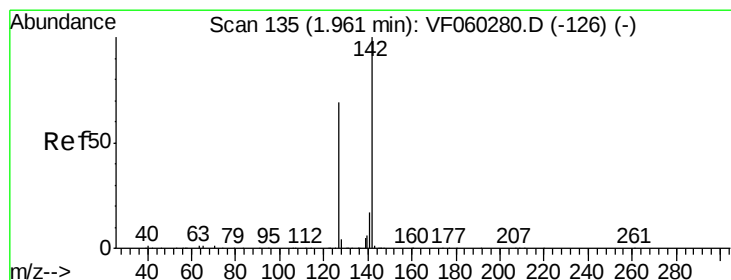
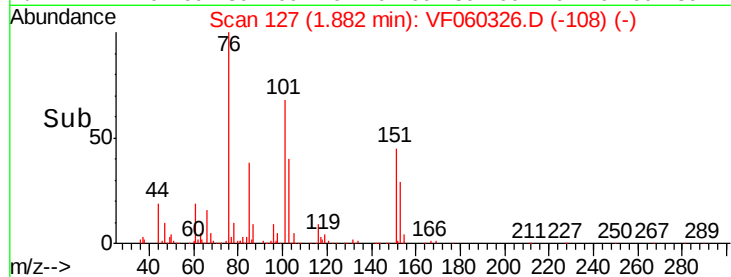
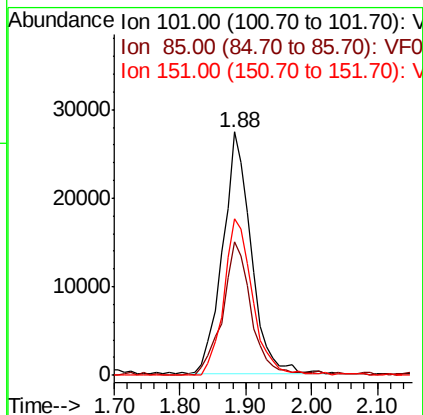
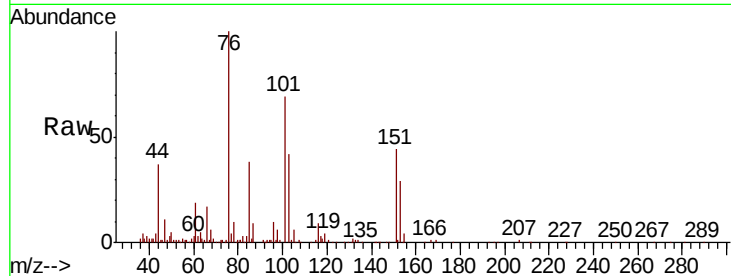
ClientSampleId :

VF0925SBS01

Tot Ion:	101	Resp:	82703
Ion Ratio	Lower	Upper	
101	100		
85	54.6	38.7	58.1
151	64.5	50.8	76.2

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM



#10

Methyl Iodide

Concen: 21.811 ug/l

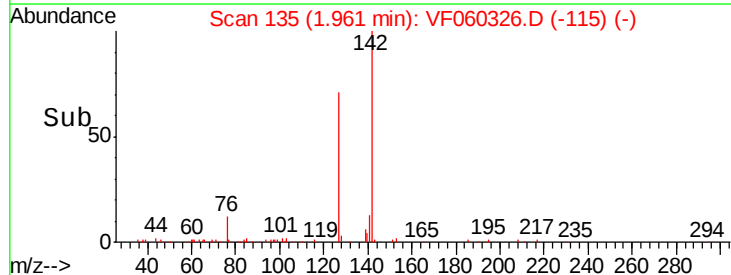
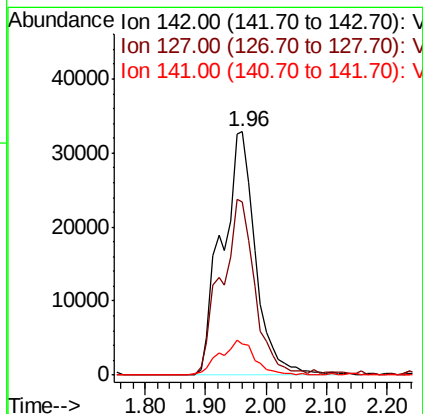
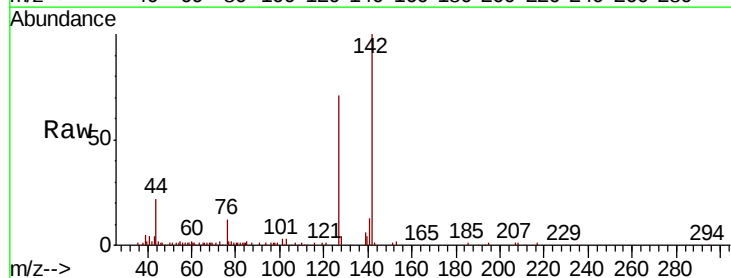
RT: 1.96 min Scan# 135

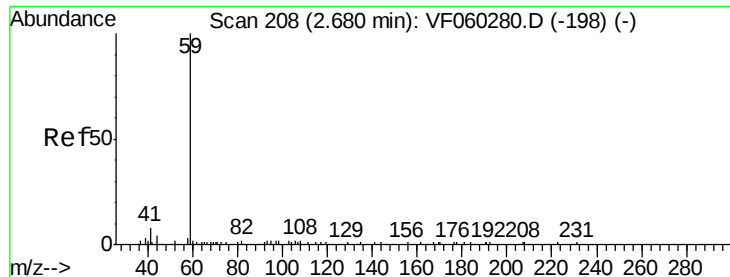
Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Tgt Ion:	142	Resp:	126996
Ion Ratio	Lower	Upper	
142	100		
127	71.2	55.4	83.0
141	12.6	13.3	19.9#





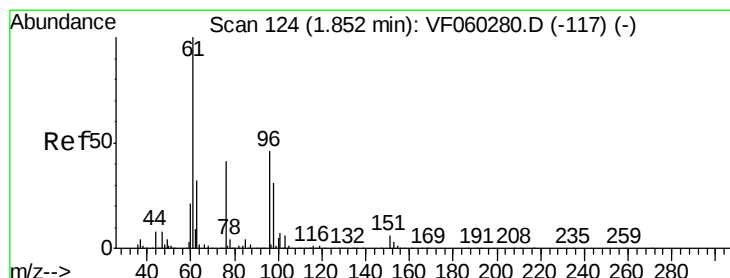
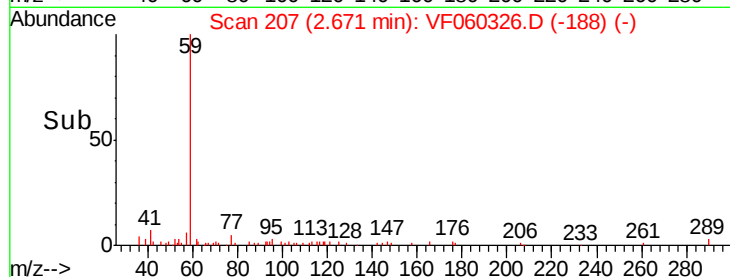
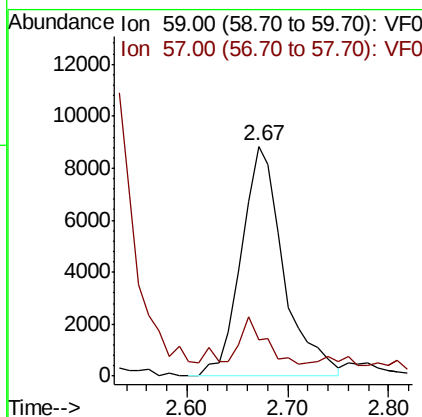
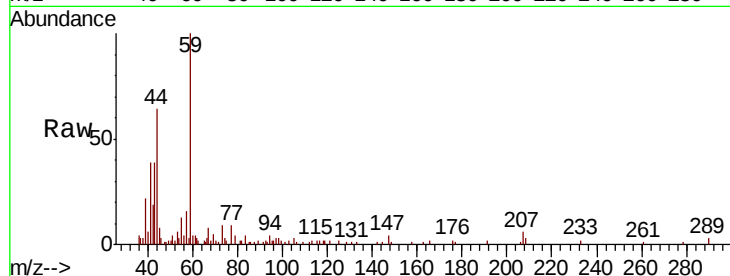
#11
Tert butyl alcohol
Concen: 122.616 ug/l
RT: 2.67 min Scan# 207
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.0	12.4	18.6

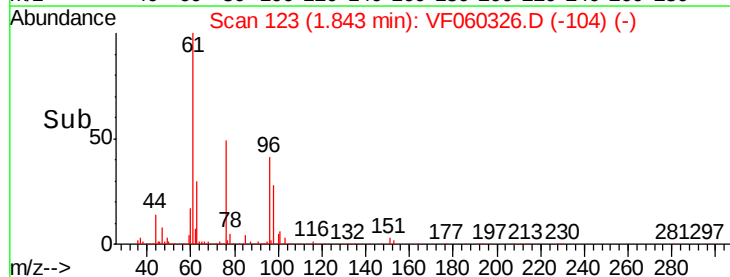
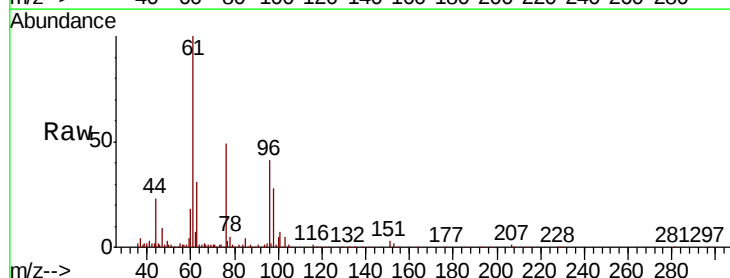
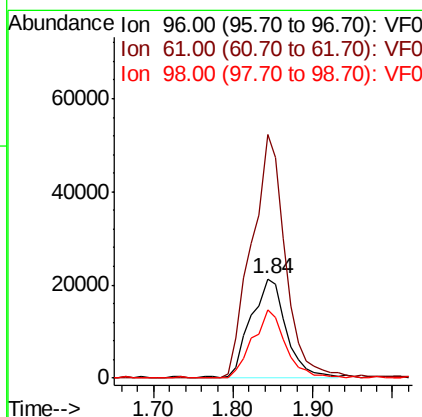
Manual Integrations
APPROVED

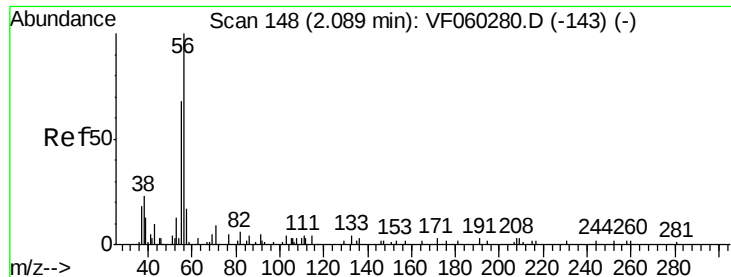
apatel
9/26/2018 11:42:16 AM



#12
1,1-Dichloroethene
Concen: 22.045 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	245.3	172.2	258.2
98	70.8	54.1	81.1





#13

Acrolein

Concen: 99.376 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 56 Resp: 9162

Ion Ratio Lower Upper

56 100

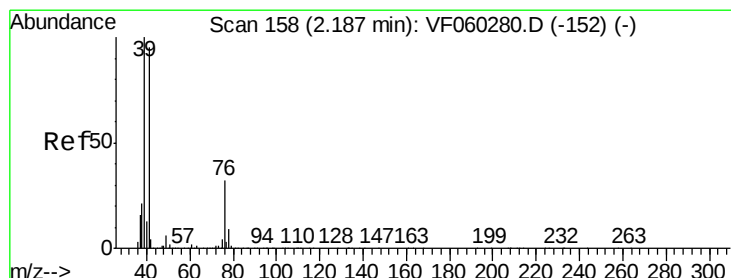
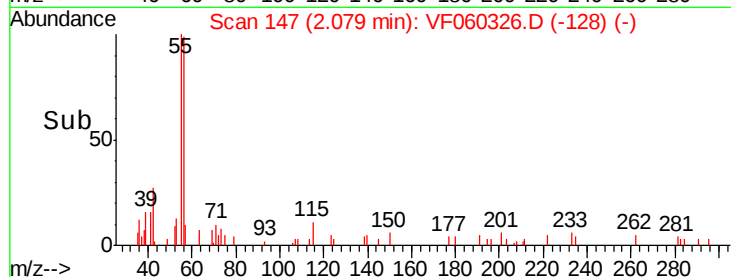
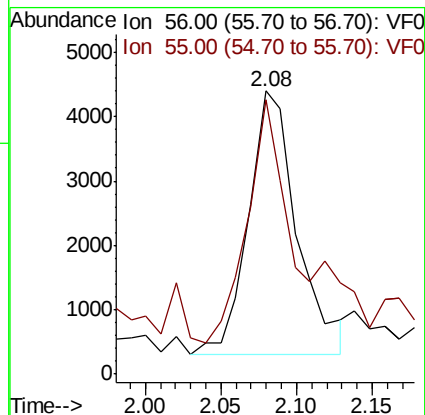
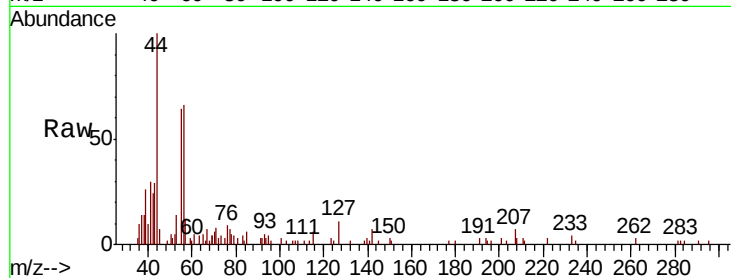
55 96.9 69.9 104.9

Manual Integrations

APPROVED

apatel

9/26/2018 11:42:16 AM



#14

Allyl chloride

Concen: 21.427 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

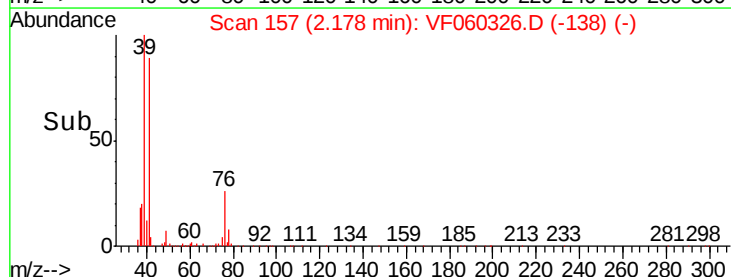
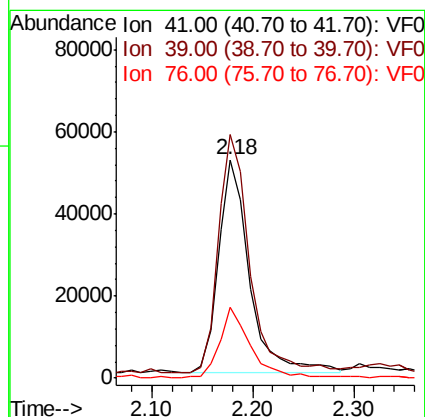
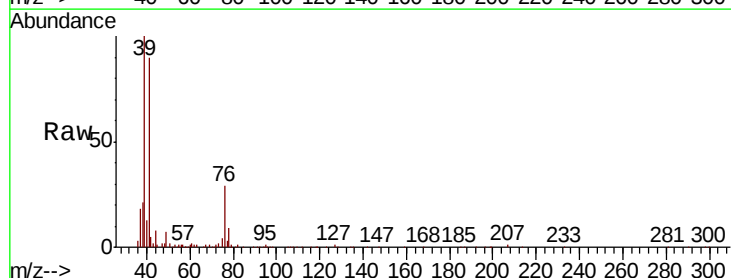
Tgt Ion: 41 Resp: 111650

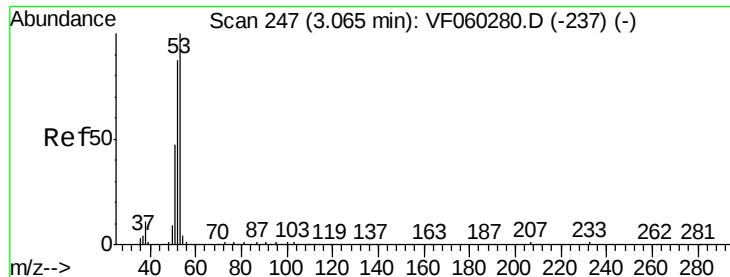
Ion Ratio Lower Upper

41 100

39 111.5 84.8 127.2

76 32.7 27.4 41.2





#15

Acrylonitrile

Concen: 105.215 ug/l

RT: 3.07 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

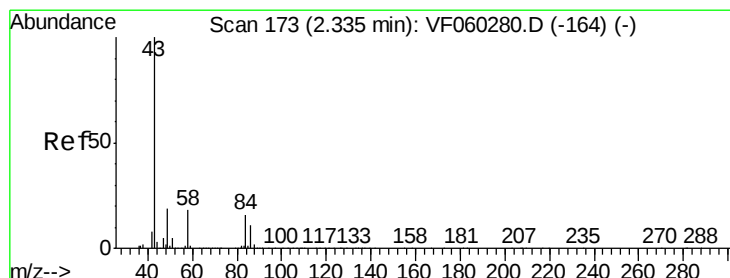
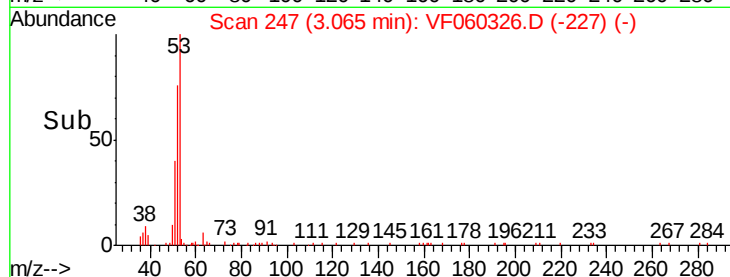
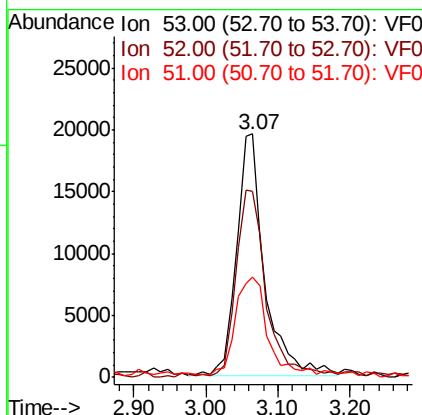
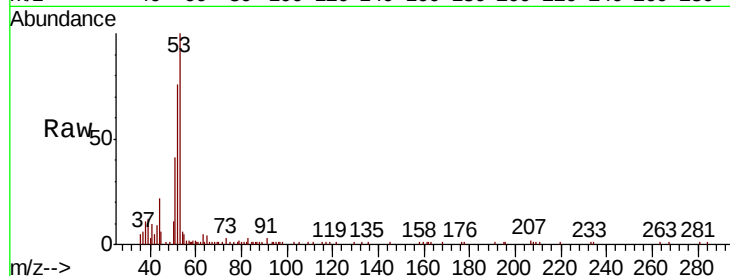
ClientSampleId :

VF0925SBS01

Tot Ion:	53	Resp:	52504
Ion	Ratio	Lower	Upper
53	100		
52	76.3	69.5	104.3
51	41.2	38.1	57.1

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM



#16

Acetone

Concen: 118.931 ug/l

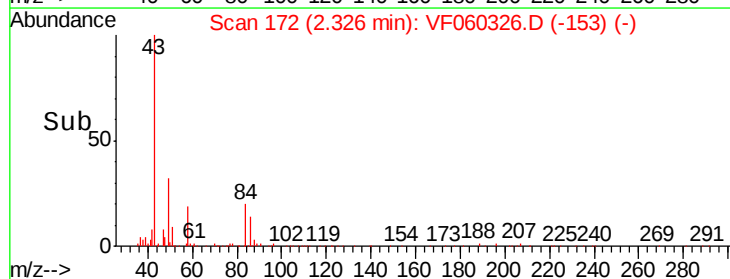
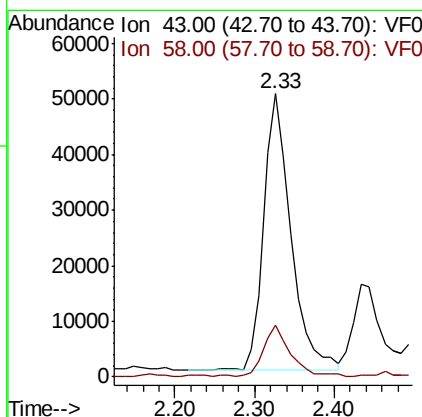
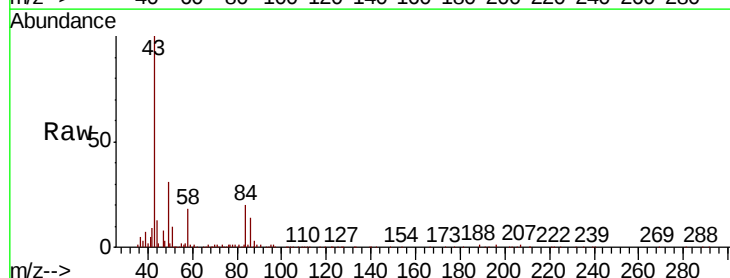
RT: 2.33 min Scan# 172

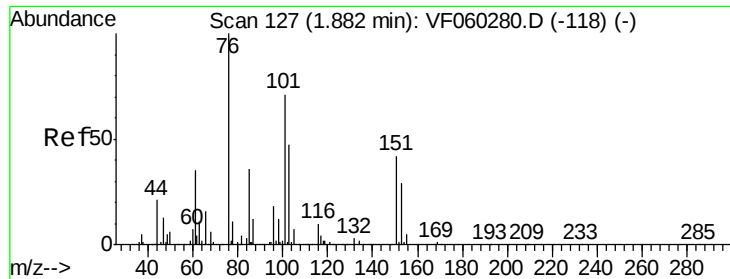
Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Tgt Ion:	43	Resp:	118341
Ion	Ratio	Lower	Upper
43	100		
58	18.4	14.5	21.7





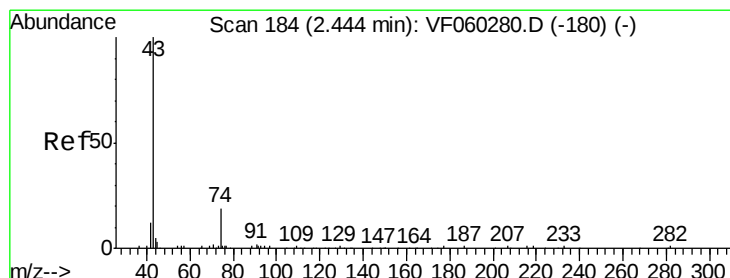
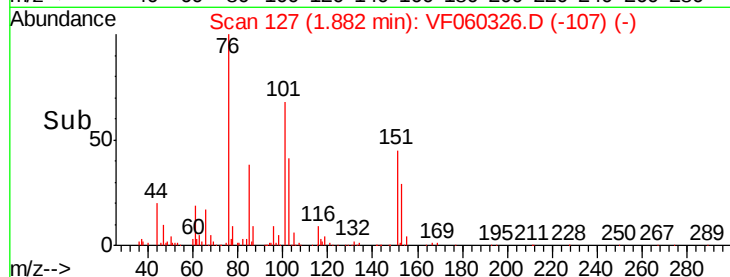
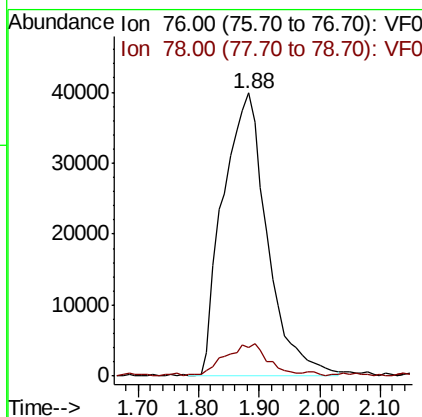
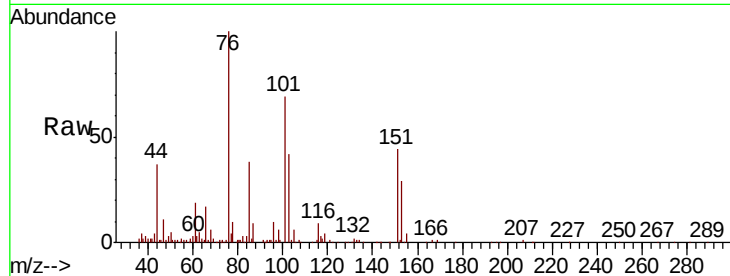
#17
Carbon Disulfide
Concen: 23.085 ug/l
RT: 1.88 min Scan# 127
Delta R.T. 0.00 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	9.4	14.0

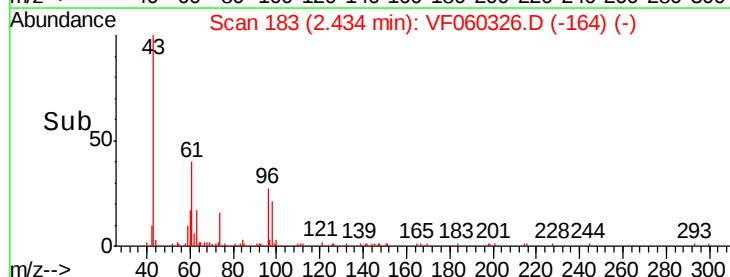
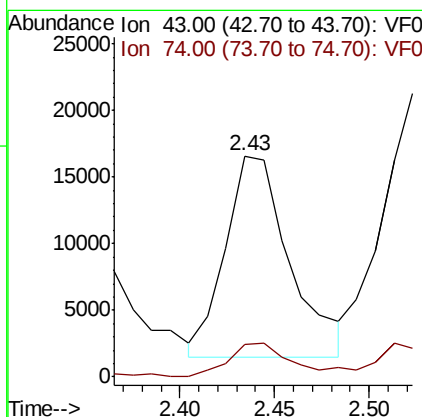
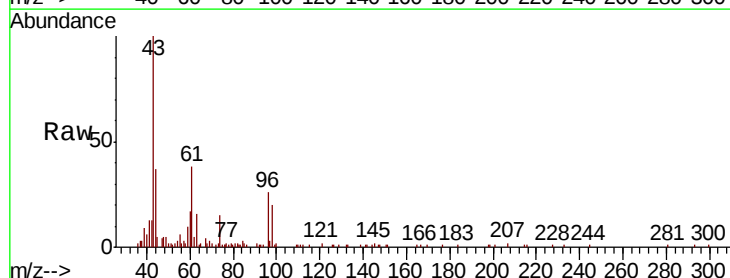
Manual Integrations
APPROVED

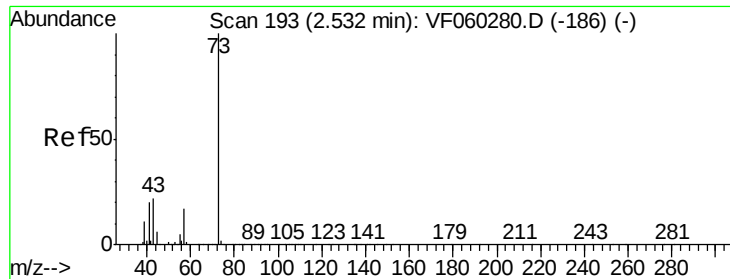
apatel
9/26/2018 11:42:16 AM



#18
Methyl Acetate
Concen: 21.457 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.9	12.7	19.1





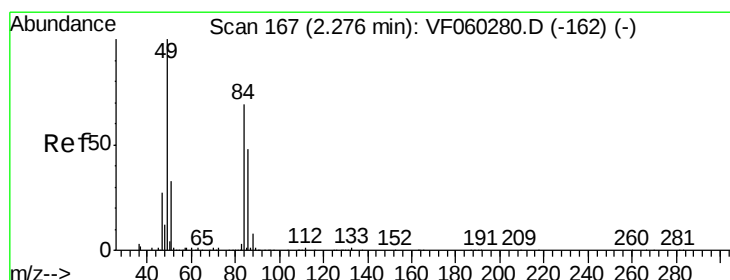
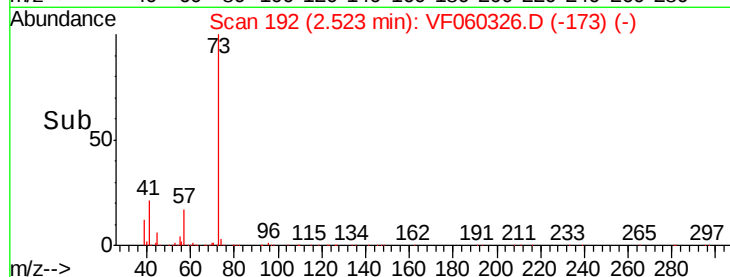
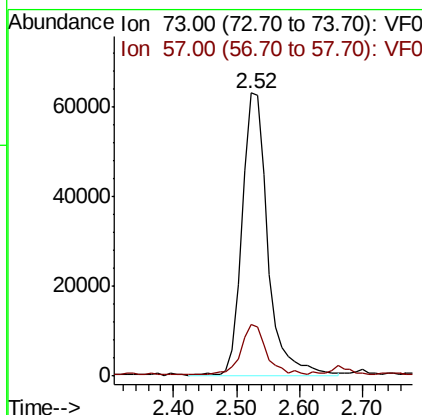
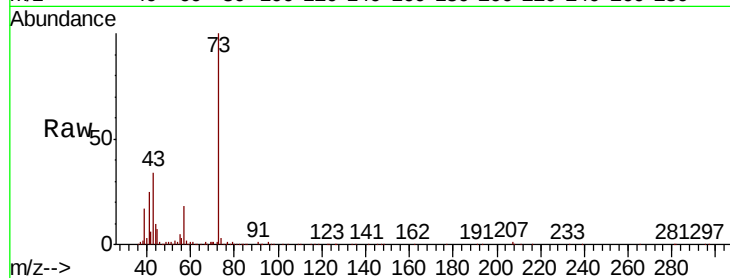
#19
Methvl tert-butvl Ether
Concen: 23.787 ug/l
RT: 2.52 min Scan# 192
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.2	14.5	21.7

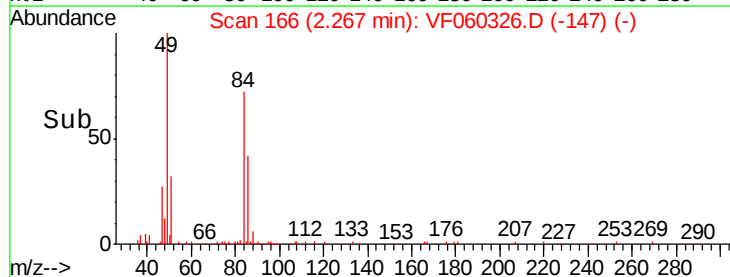
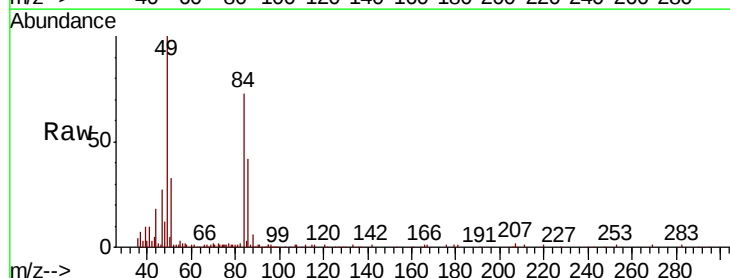
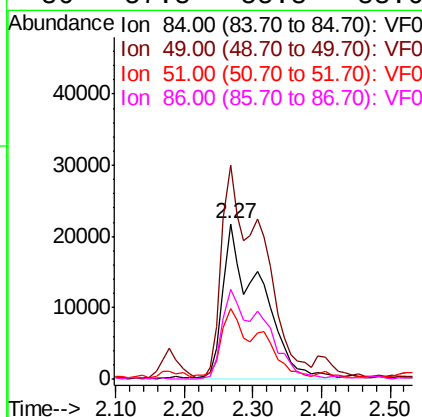
Manual Integrations
APPROVED

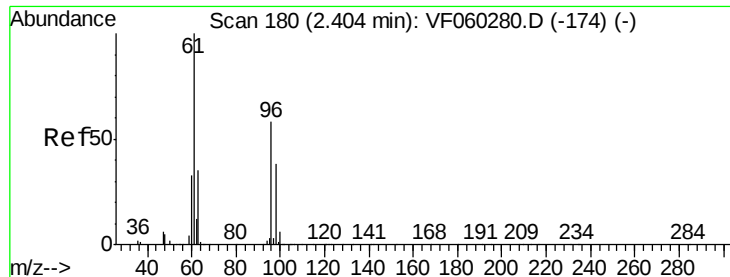
apatel
9/26/2018 11:42:16 AM



#20
Methylene Chloride
Concen: 27.429 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.6	118.3	177.5
51	45.0	38.7	58.1
86	57.8	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 21.240 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

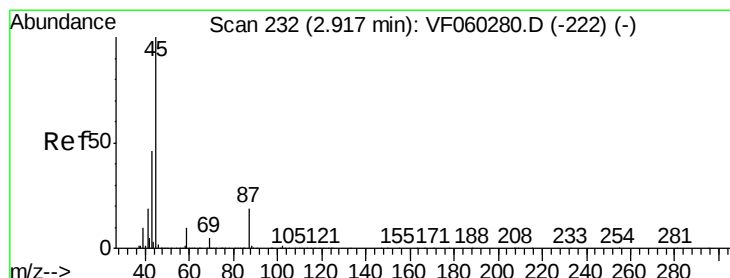
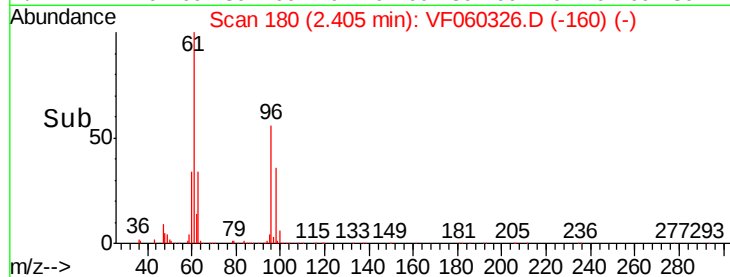
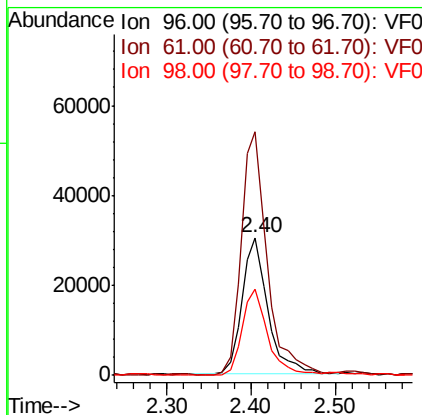
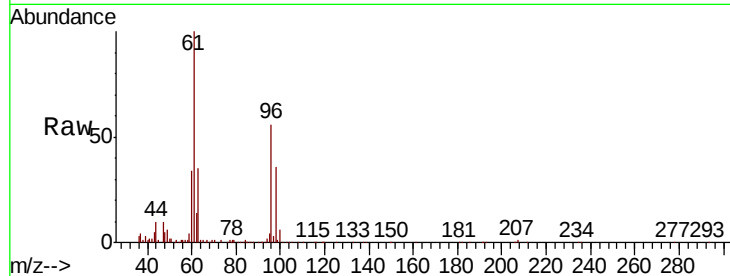
ClientSampleId :

VF0925SBS01

Tot Ion:	96	Resp:	65505
Ion	Ratio	Lower	Upper
96	100		
61	177.1	136.4	204.6
98	63.1	51.8	77.6

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM



#22

Diisopropyl ether

Concen: 22.023 ug/l

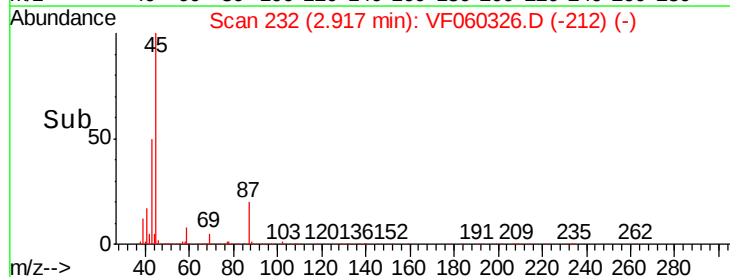
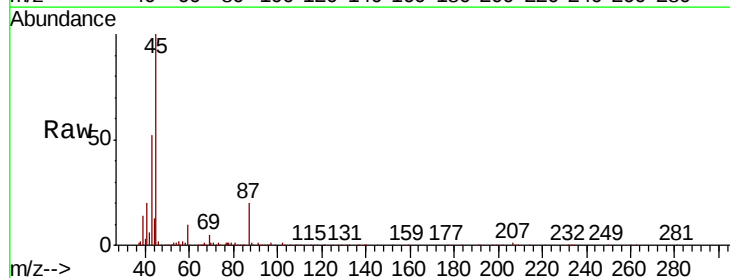
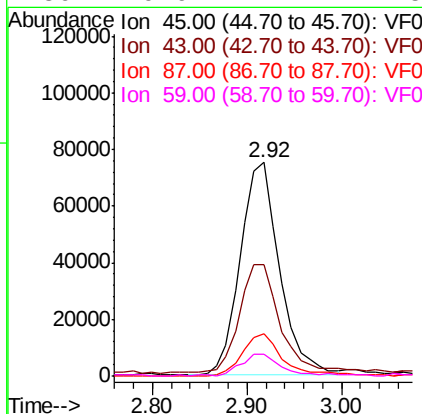
RT: 2.92 min Scan# 232

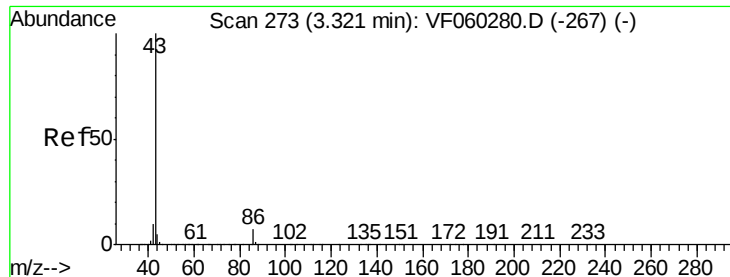
Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Tgt Ion:	45	Resp:	216518
Ion	Ratio	Lower	Upper
45	100		
43	52.1	38.2	57.2
87	19.6	15.5	23.3
59	9.9	7.7	11.5





#23

Vinyl Acetate

Concen: 111.591 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 43 Resp: 430886

Ion Ratio Lower Upper

43 100

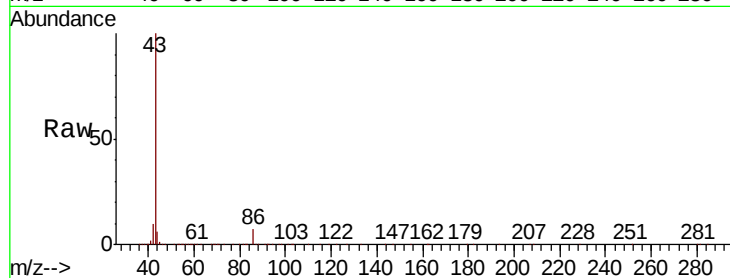
86 7.5 5.9 8.9

Manual Integrations

APPROVED

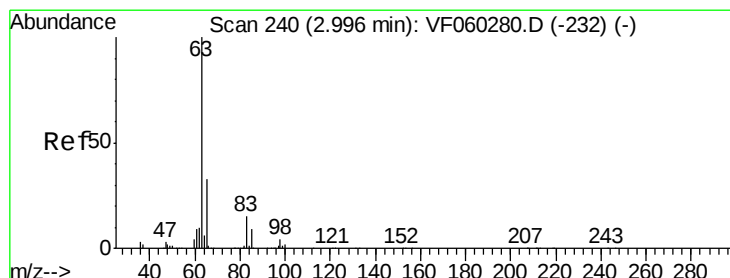
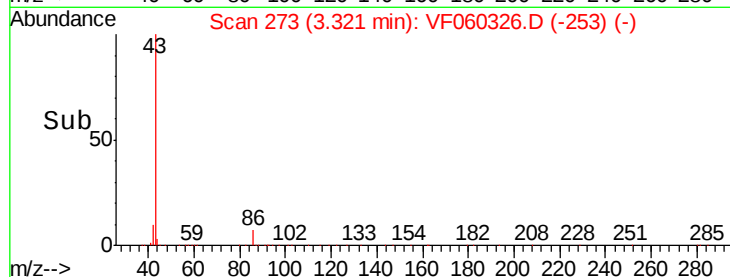
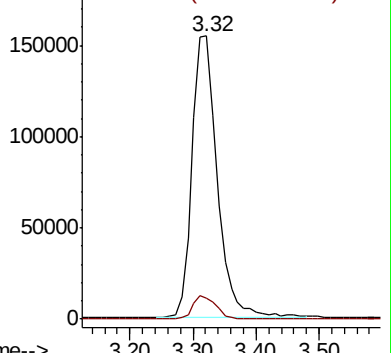
apatel

9/26/2018 11:42:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.734 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

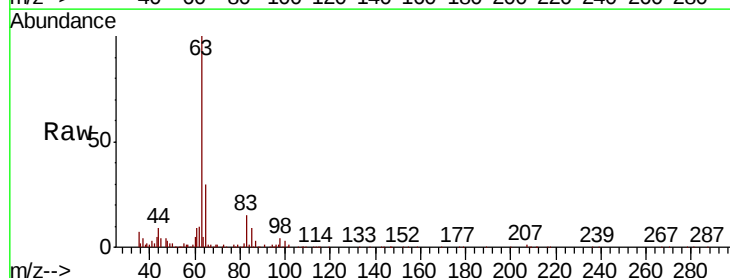
Tgt Ion: 63 Resp: 144952

Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.5

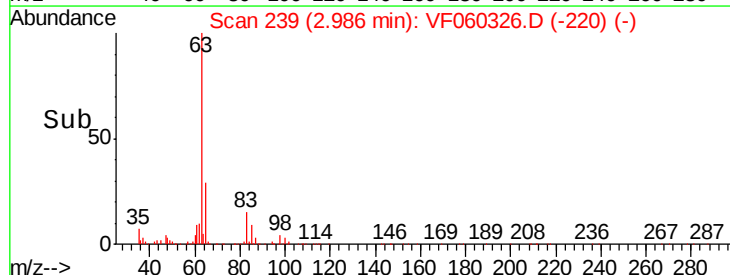
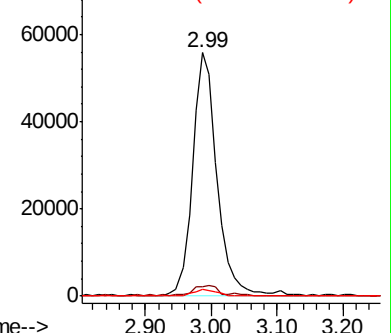
100 2.7 1.1 3.3

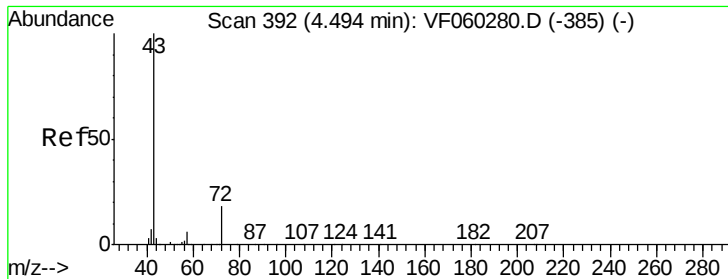


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 99.574 ug/l

RT: 4.49 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 43 Resp: 133361

Ion Ratio Lower Upper

43 100

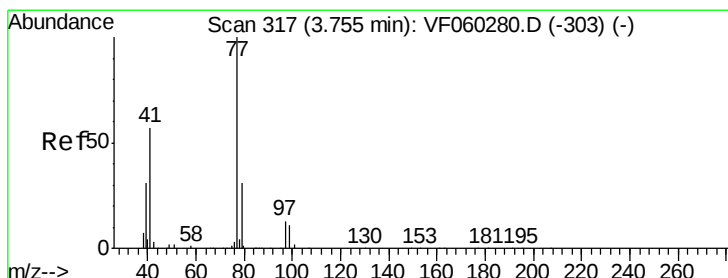
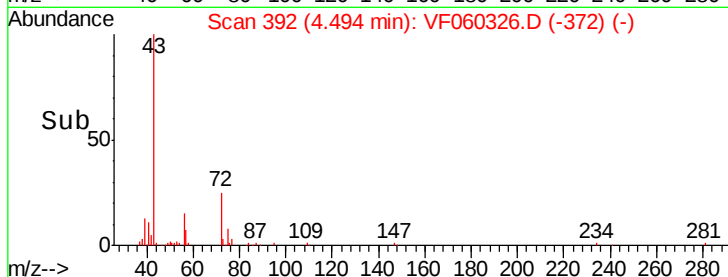
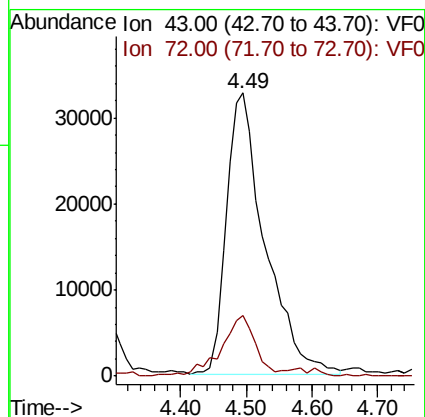
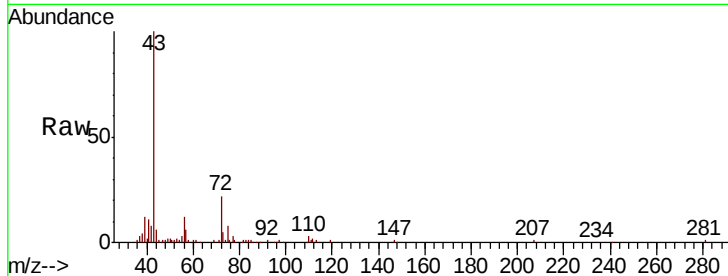
72 21.5 16.2 24.2

Manual Integrations

APPROVED

apatel

9/26/2018 11:42:16 AM



#26

2,2-Dichloropropane

Concen: 20.735 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060326.D

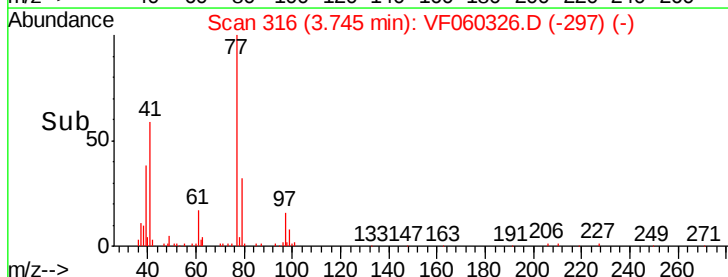
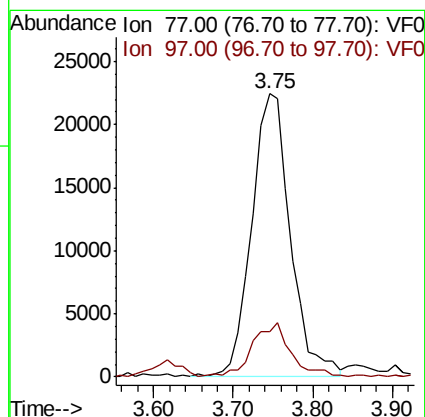
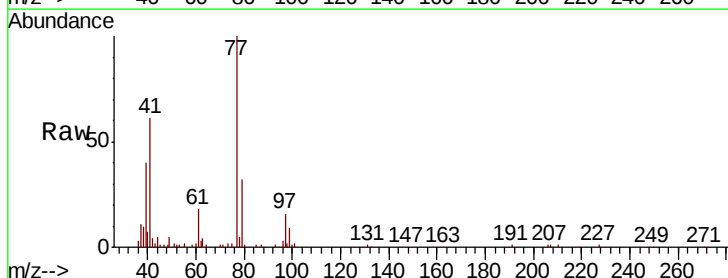
Acq: 25 Sep 2018 15:53

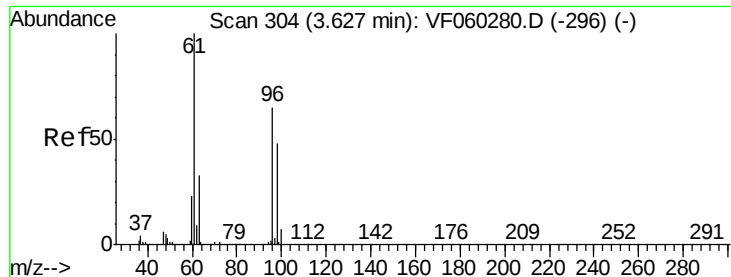
Tgt Ion: 77 Resp: 75436

Ion Ratio Lower Upper

77 100

97 16.0 9.3 27.9





#27

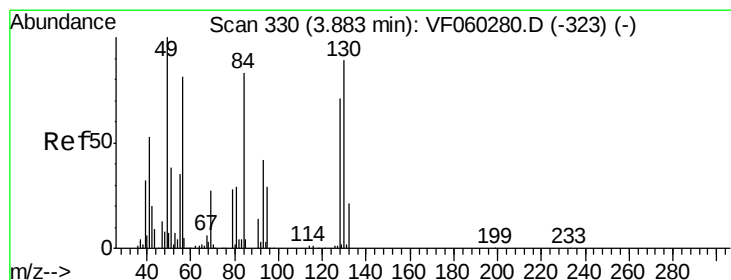
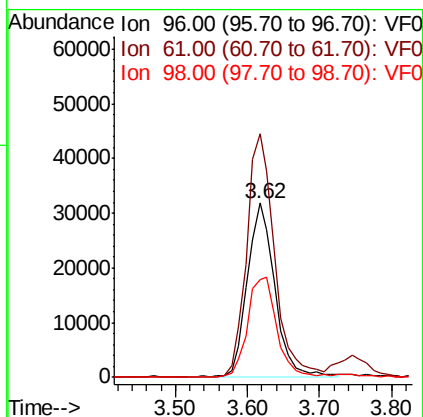
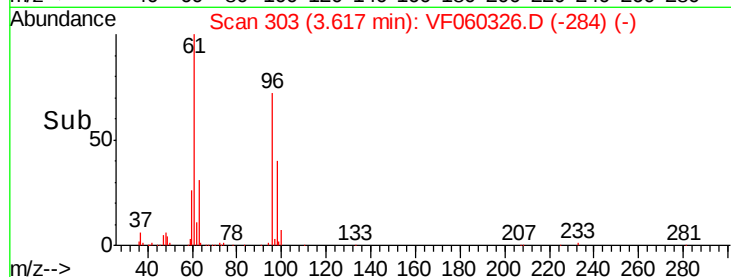
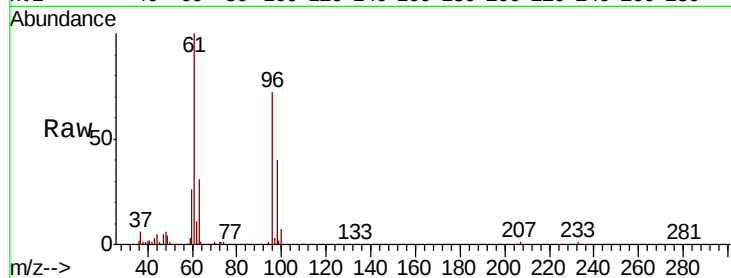
cis-1,2-Dichloroethene
Concen: 21.143 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.7	0.0	304.8	
98	55.7	0.0	146.4	

Manual Integrations
APPROVED

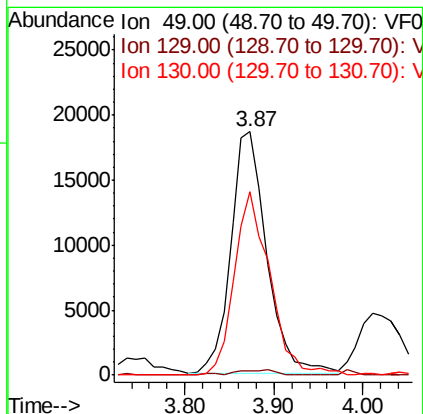
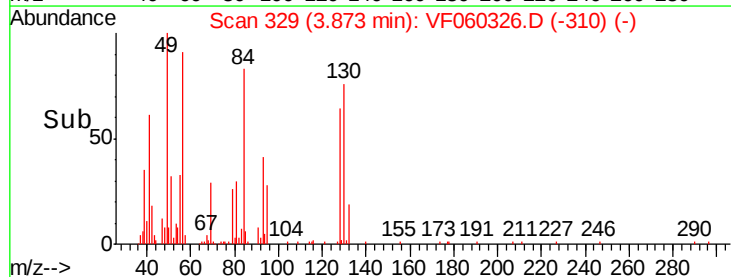
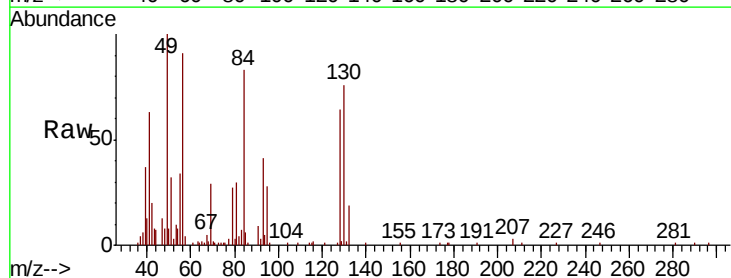
apatel
9/26/2018 11:42:16 AM

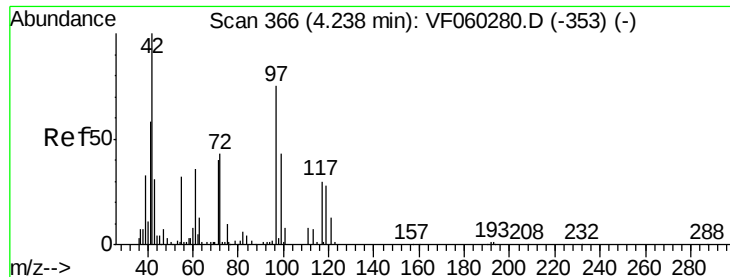


#28

Bromochloromethane
Concen: 20.856 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.2	
130	75.5	70.3	105.5	





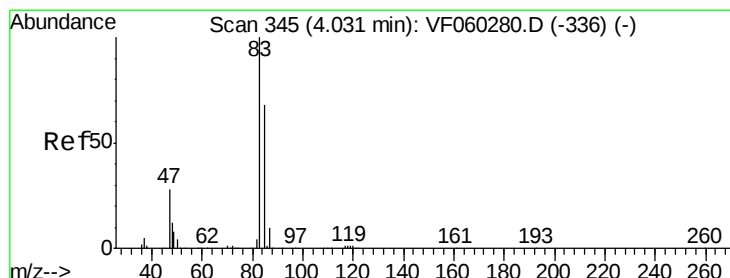
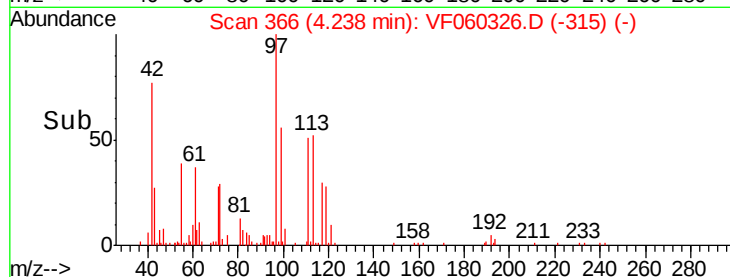
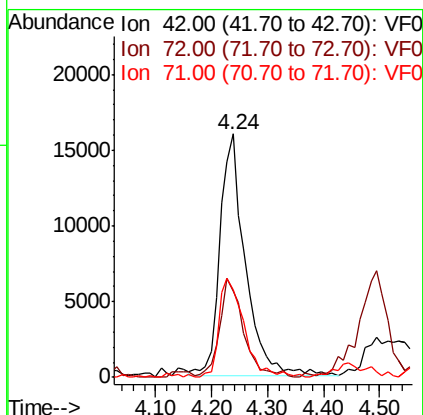
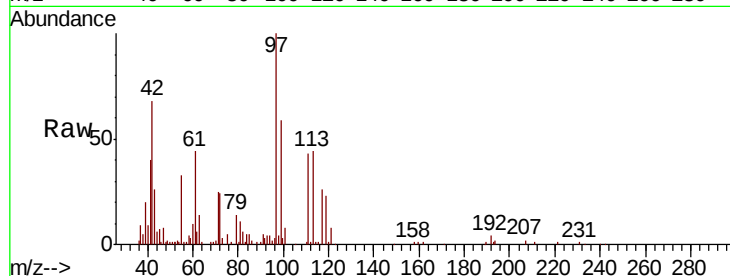
#29
Tetrahydrofuran
Concen: 102.711 ug/l
RT: 4.24 min Scan# 366
Delta R.T. 0.00 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	32.6	49.0
71	40.6	32.7	49.1

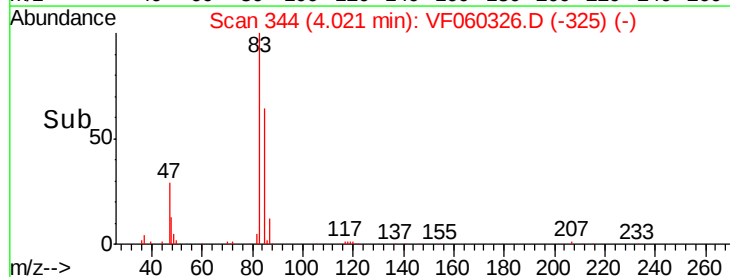
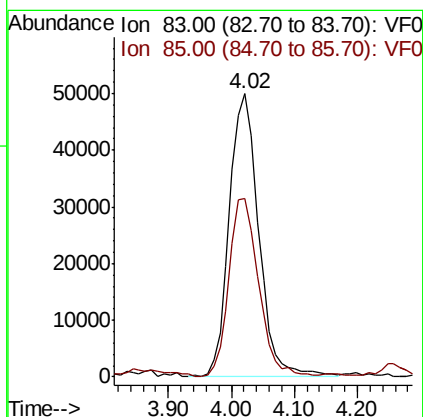
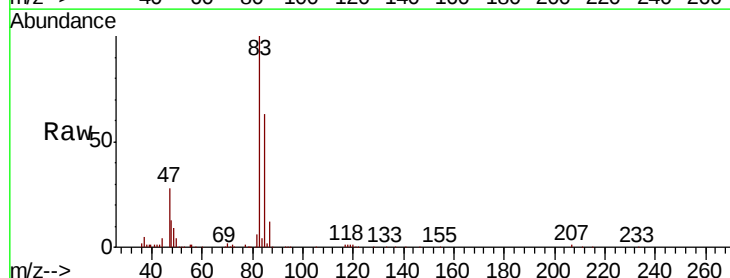
Manual Integrations
APPROVED

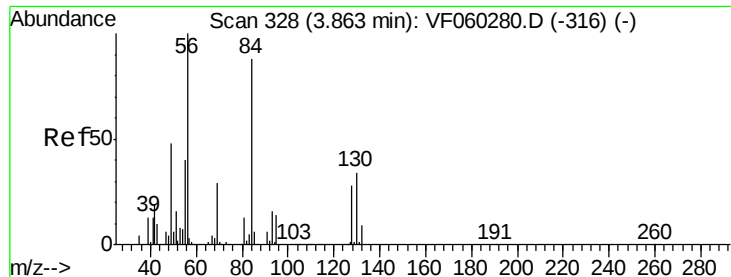
apatel
9/26/2018 11:42:16 AM



#30
Chloroform
Concen: 20.683 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	54.9	82.3





#31

Cyclohexane

Concen: 19.325 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

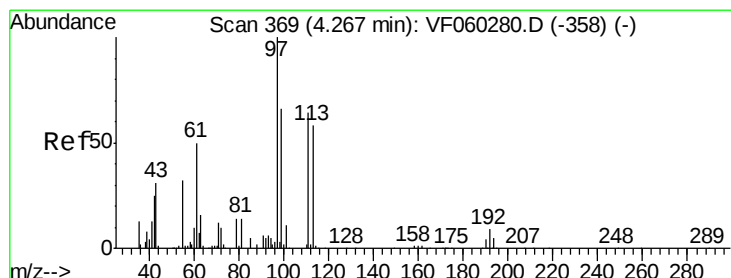
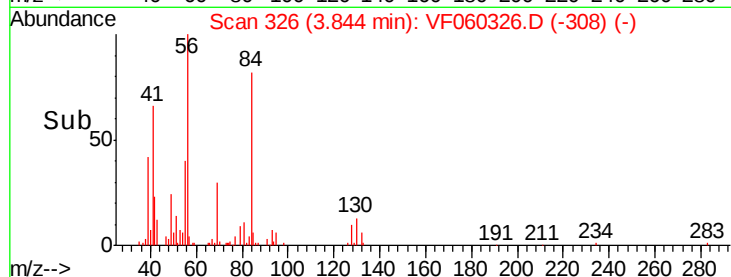
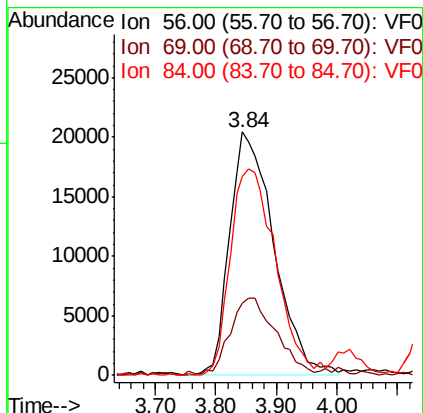
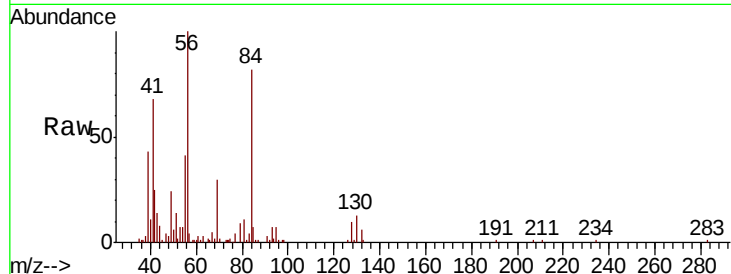
ClientSampleId :

VF0925SBS01

Tot Ion:	56	Resp:	104079
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.6
84	81.5	70.2	105.4

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM



#32

1,1,1-Trichloroethane

Concen: 22.298 ug/l

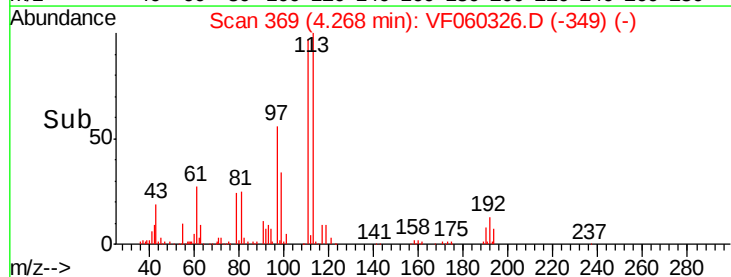
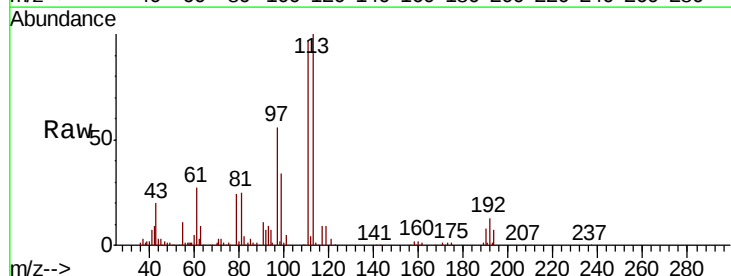
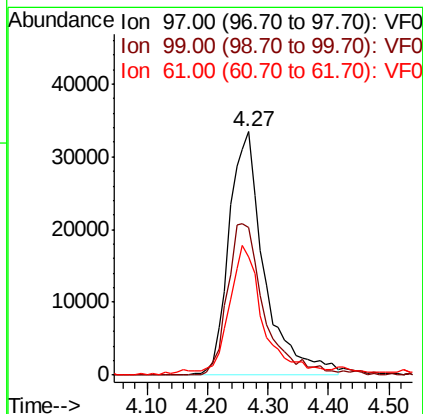
RT: 4.27 min Scan# 369

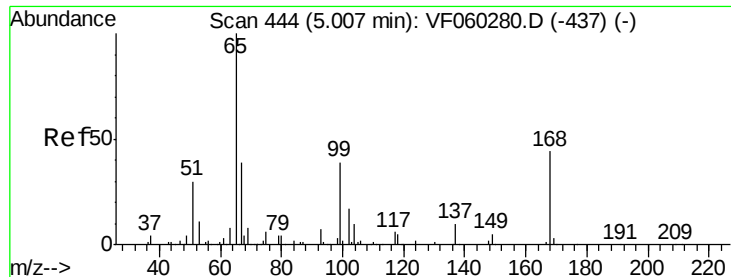
Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Tgt Ion:	97	Resp:	135357
Ion	Ratio	Lower	Upper
97	100		
99	60.9	53.0	79.4
61	48.8	40.6	61.0





#33

1,2-Dichloroethane-d4

Concen: 53.364 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 65 Resp: 188547

Ion Ratio Lower Upper

65 100

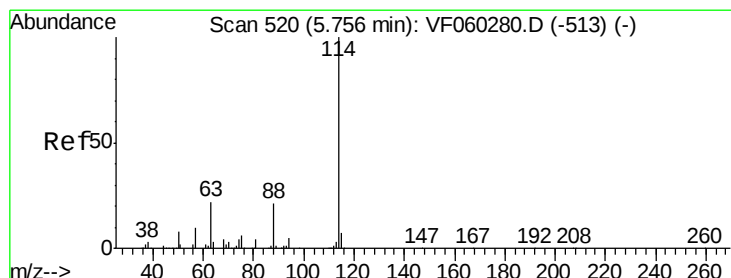
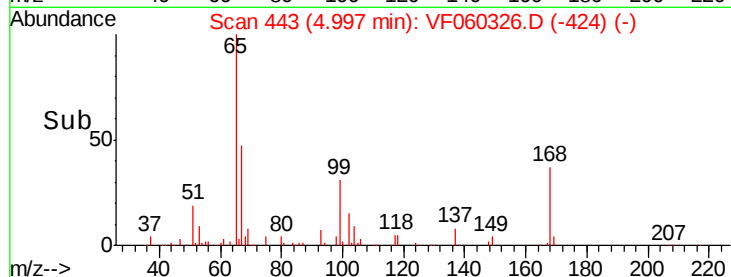
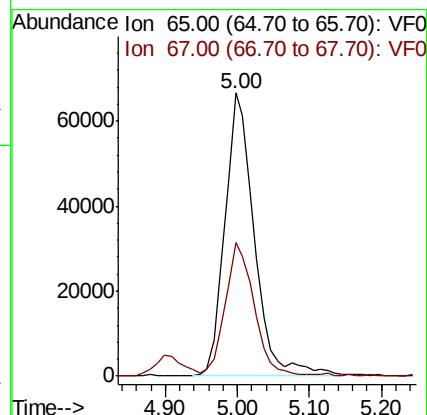
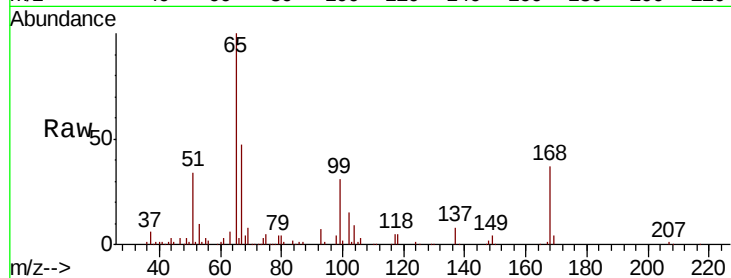
67 47.4 0.0 94.4

Manual Integrations

APPROVED

apatel

9/26/2018 11:42:16 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

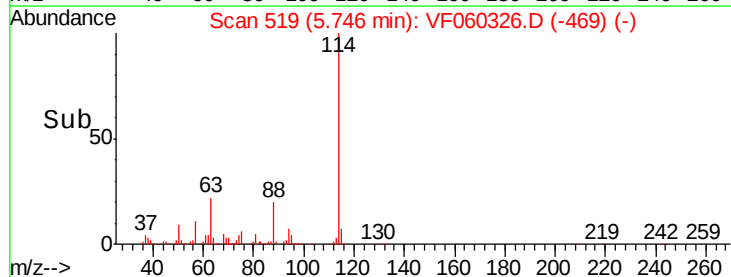
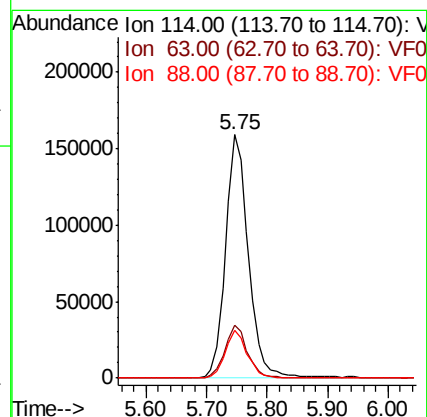
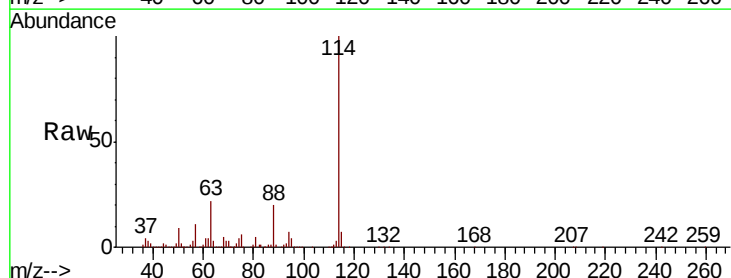
Tgt Ion: 114 Resp: 416888

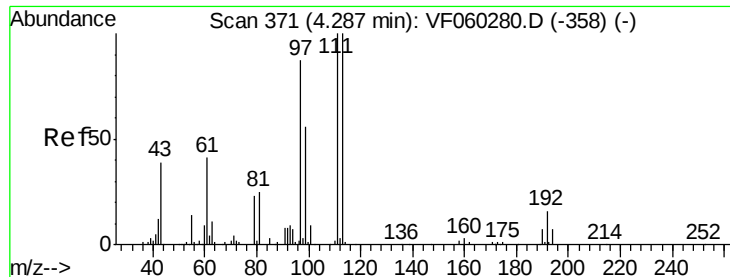
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.8

88 19.8 0.0 41.2





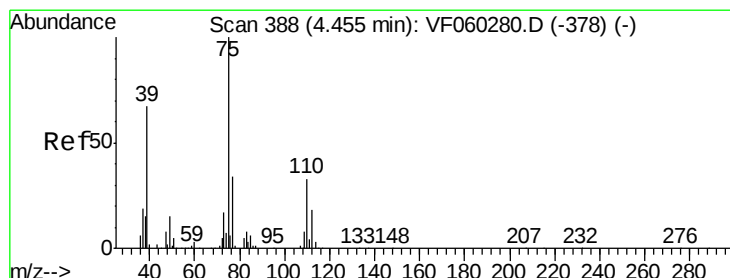
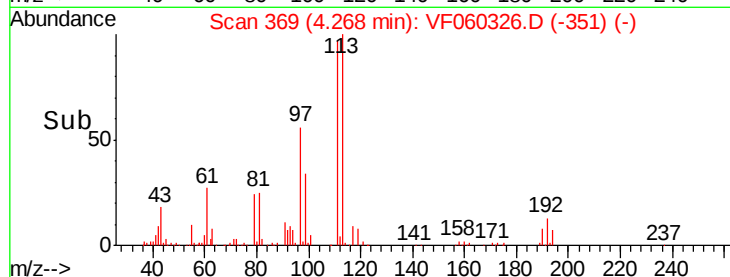
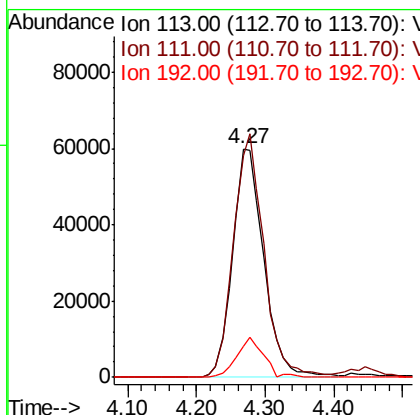
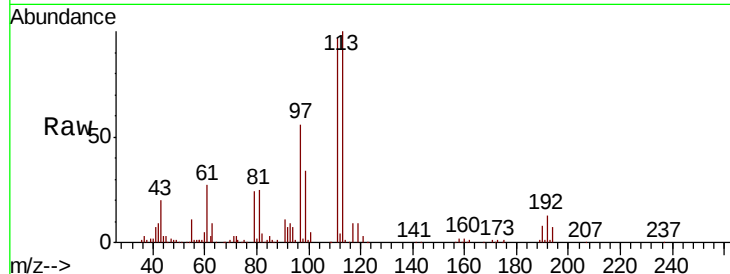
#35
 Dibromofluoromethane
 Concen: 50.621 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	188119		
111	96.9	79.6	119.4	
192	13.4	13.0	19.6	

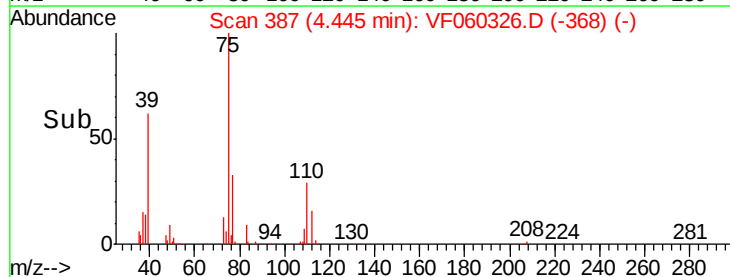
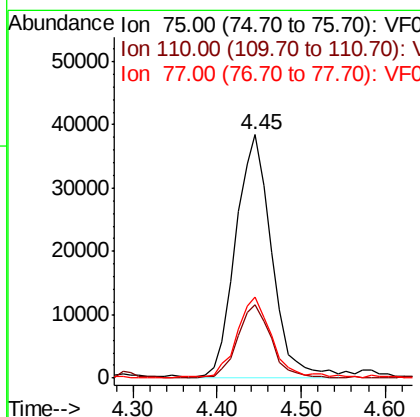
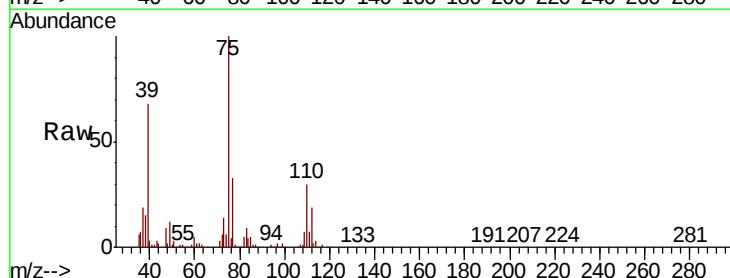
Manual Integrations
 APPROVED

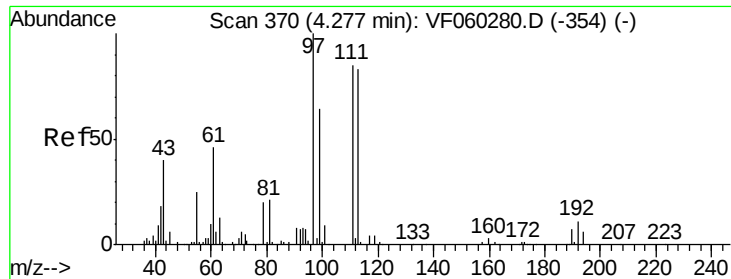
apatel
 9/26/2018 11:42:16 AM



#36
 1,1-Dichloropropene
 Concen: 21.951 ug/l
 RT: 4.45 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	114149		
110	30.3	16.4	49.2	
77	33.5	27.3	40.9	





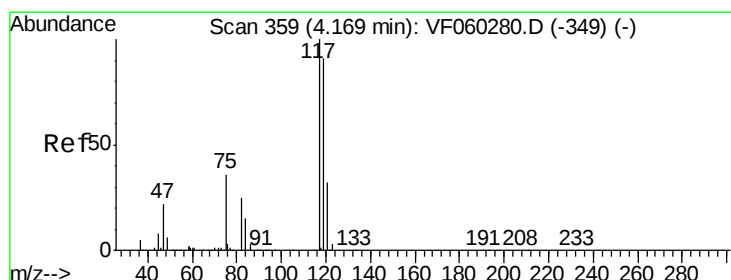
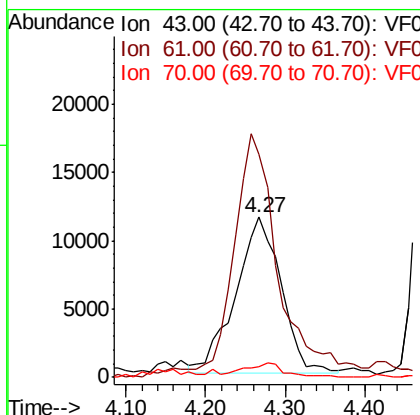
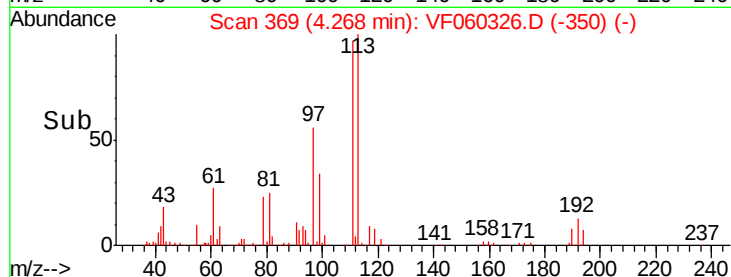
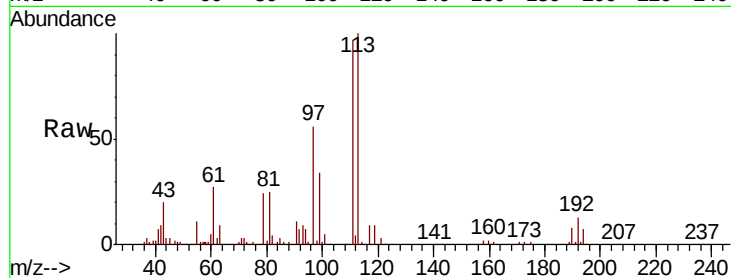
#37
Ethyl Acetate
Concen: 20.724 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	43	61	70	Ratio	100	139.3	6.6	Resp:	45599	Lower	Upper
43	100										
61		139.3				91.1				136.7#	
70			6.6			6.9				10.3#	

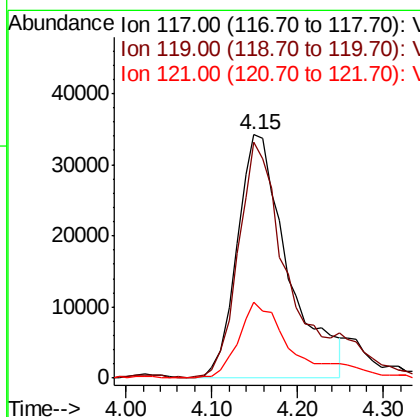
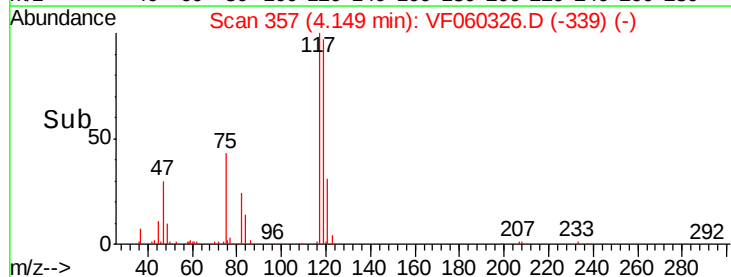
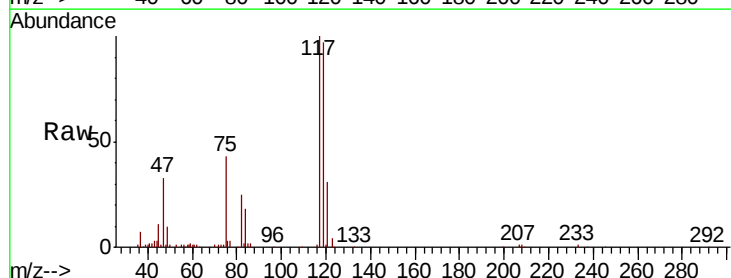
Manual Integrations
APPROVED

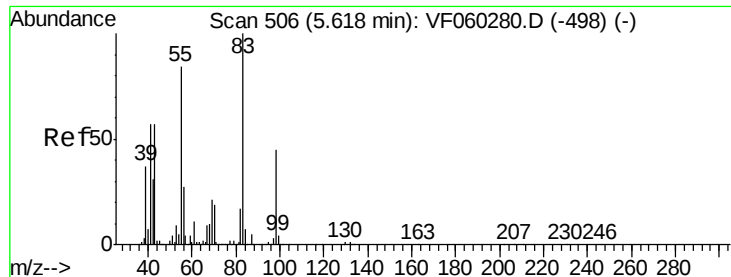
apatel
9/26/2018 11:42:16 AM



#38
Carbon Tetrachloride
Concen: 25.258 ug/l m
RT: 4.15 min Scan# 357
Delta R.T. -0.02 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	117	119	121	Ratio	100	96.8	31.0	Resp:	141077	Lower	Upper
117	100										
119		96.8				73.0				109.6	
121			31.0			25.4				38.2	





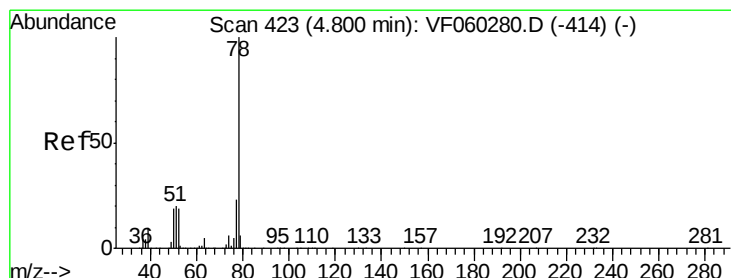
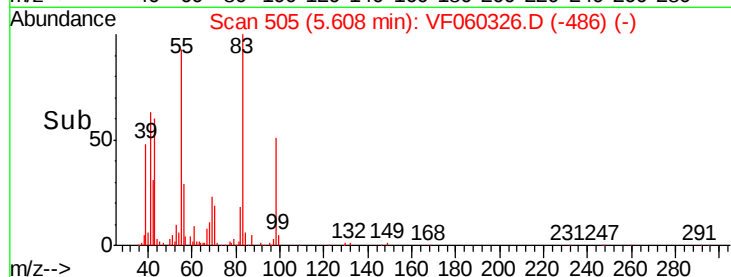
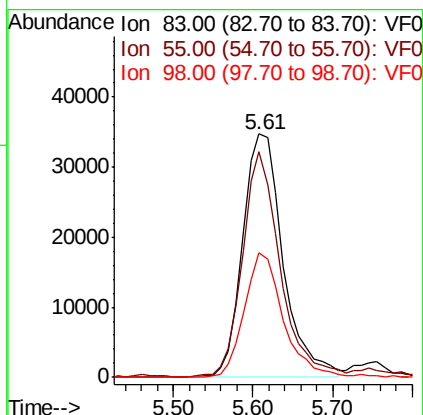
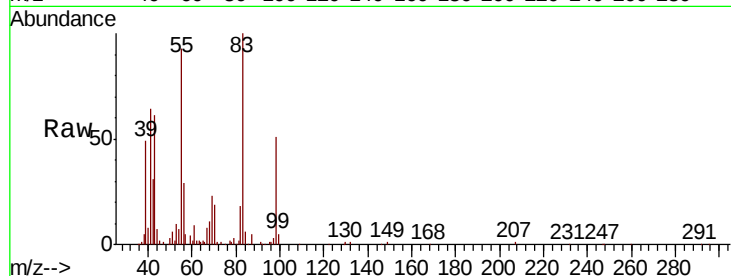
#39
Methvlcvclohexane
Concen: 21.645 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.6	67.3	100.9
98	51.2	36.1	54.1

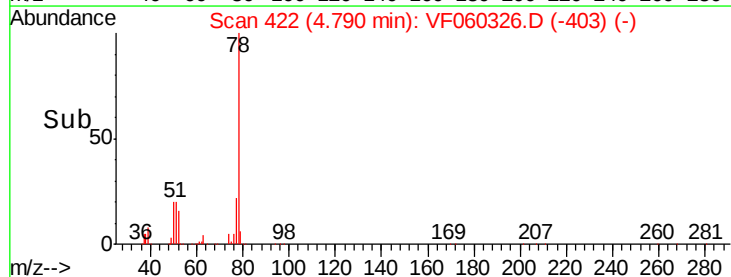
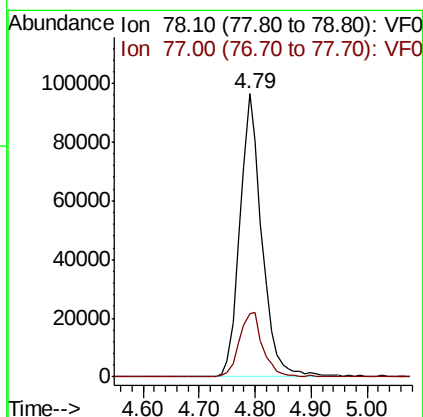
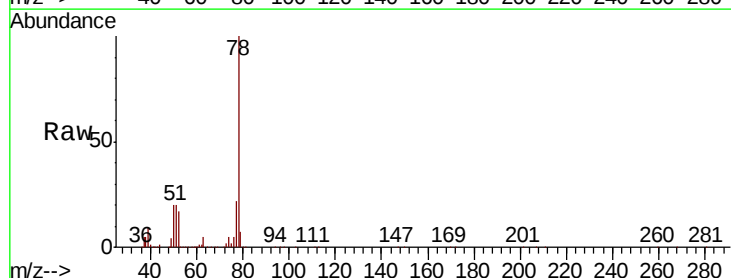
Manual Integrations
APPROVED

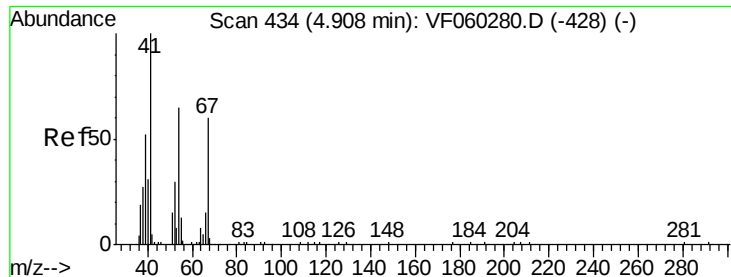
apatel
9/26/2018 11:42:16 AM



#40
Benzene
Concen: 22.222 ug/l
RT: 4.79 min Scan# 422
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.4	27.6





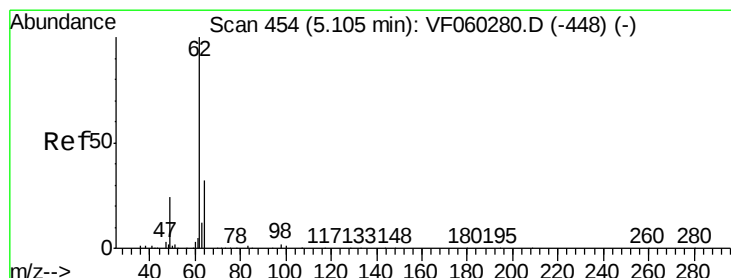
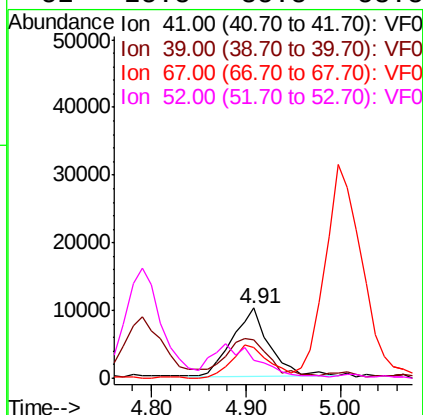
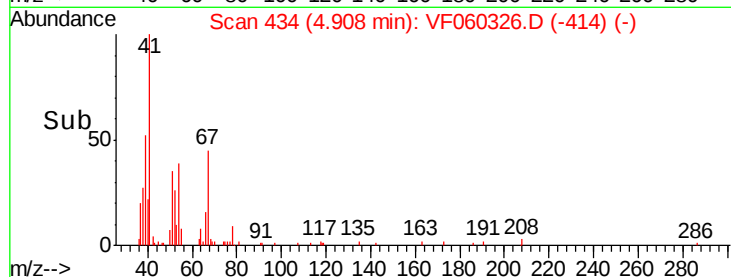
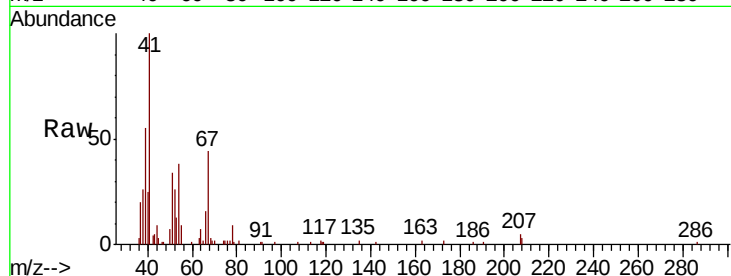
#41
Methacrylonitrile
Concen: 22.828 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.5	49.1	73.7
67	44.5	48.2	72.4
52	25.8	35.8	53.8

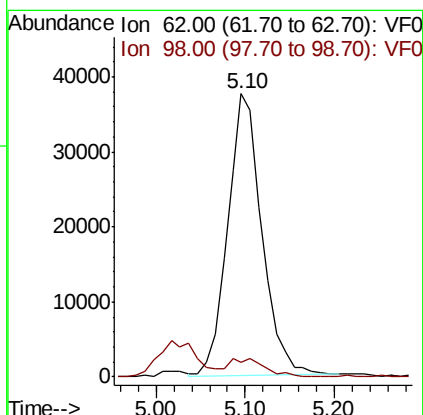
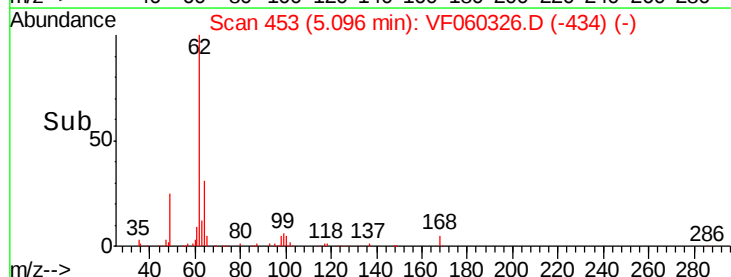
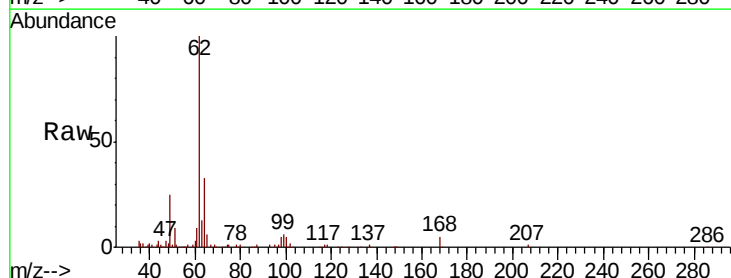
Manual Integrations
APPROVED

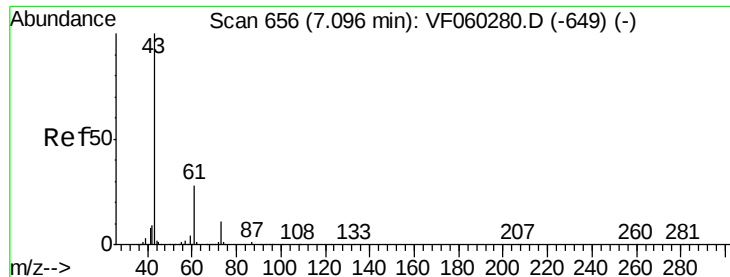
apatel
9/26/2018 11:42:16 AM



#42
1,2-Dichloroethane
Concen: 23.180 ug/l
RT: 5.10 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.0	0.0	14.4





#43

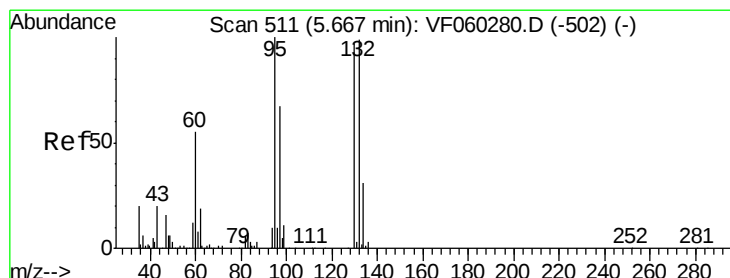
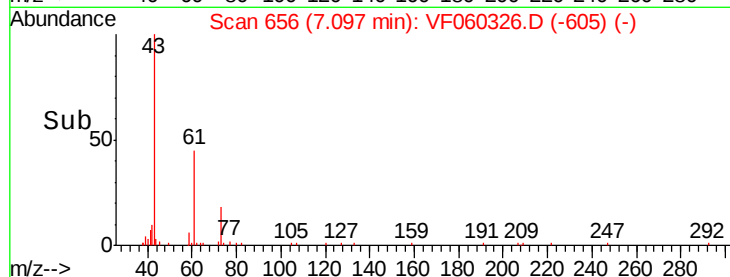
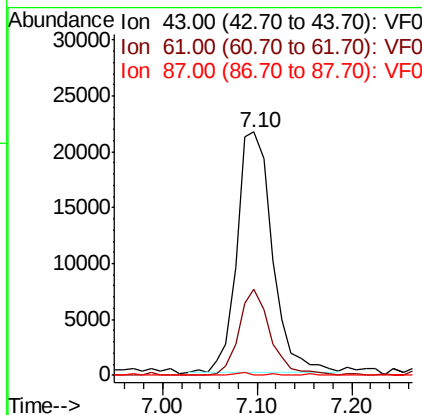
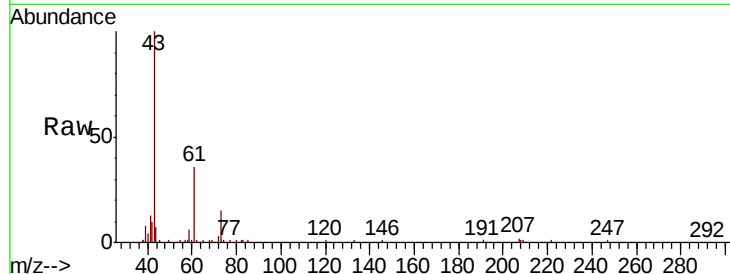
Isopropyl Acetate
 Concen: 21.130 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.6	22.4	33.6#
87	0.0	0.6	0.8#

Manual Integrations
 APPROVED

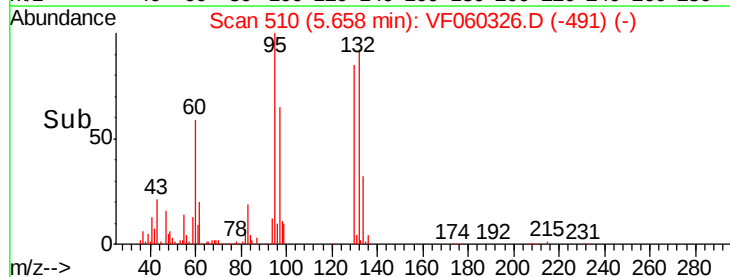
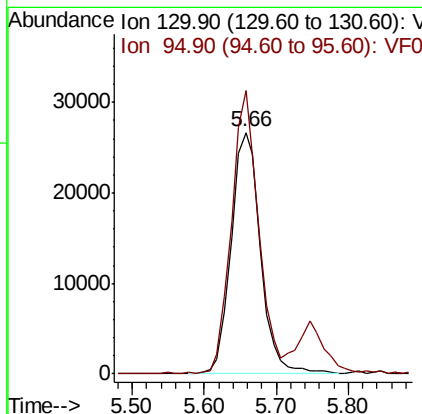
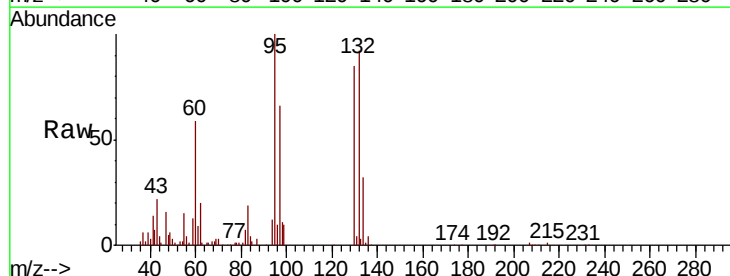
apatel
 9/26/2018 11:42:16 AM

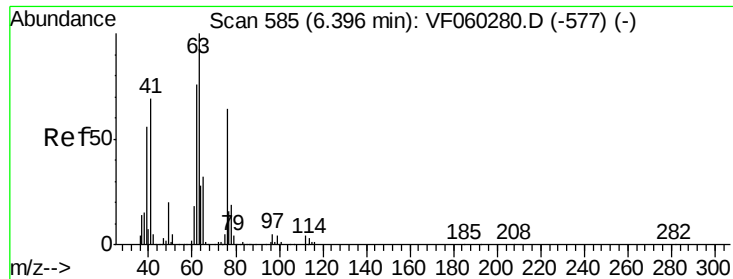


#44

Trichloroethene
 Concen: 21.570 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	117.3	0.0	205.6





#45

1,2-Dichloropropane

Concen: 22.693 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 63 Resp: 69249

Ion Ratio Lower Upper

63 100

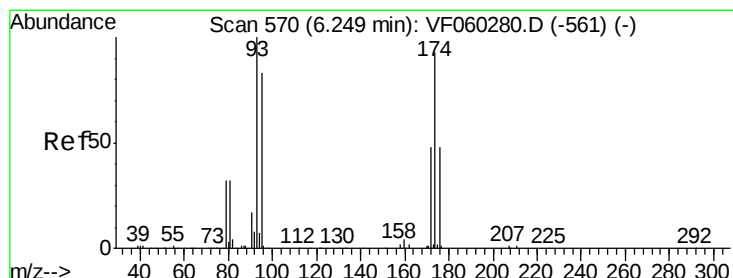
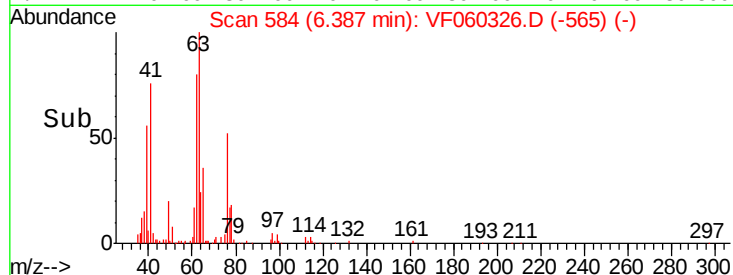
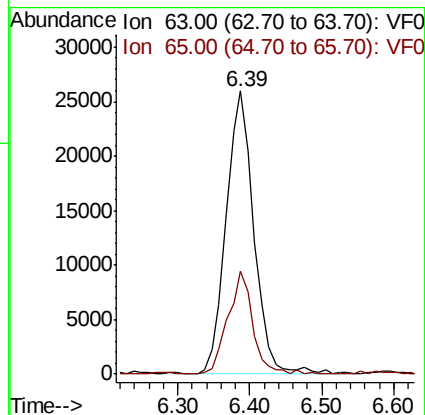
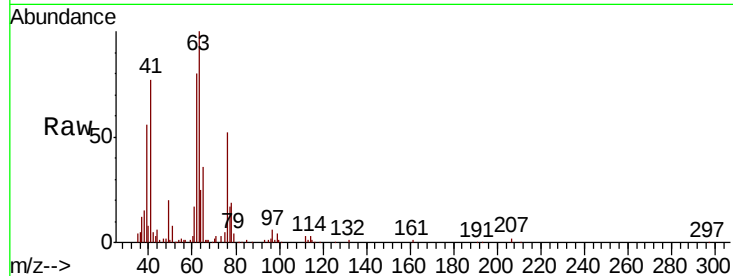
65 36.4 26.2 39.4

Manual Integrations

APPROVED

apatel

9/26/2018 11:42:16 AM



#46

Dibromomethane

Concen: 22.260 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

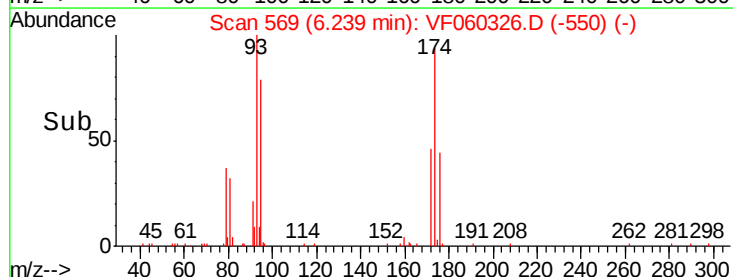
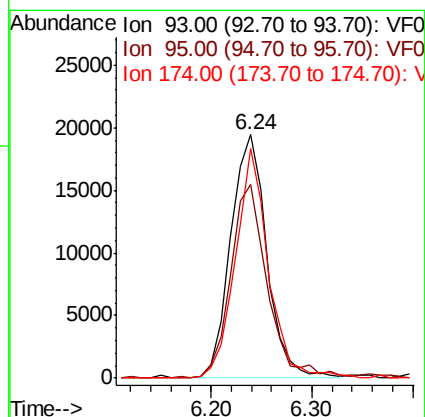
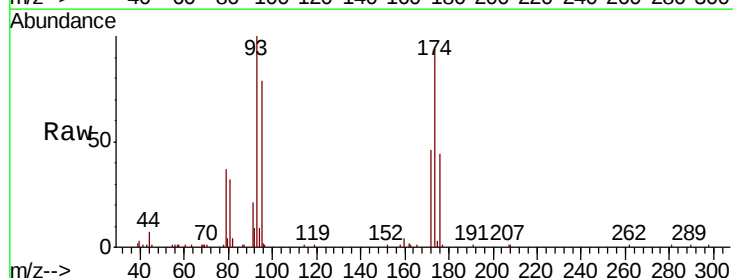
Tgt Ion: 93 Resp: 48556

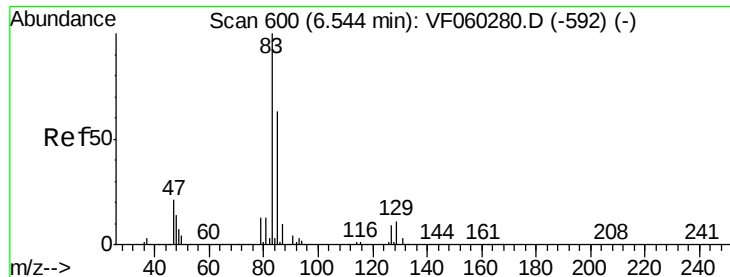
Ion Ratio Lower Upper

93 100

95 79.5 67.0 100.6

174 96.9 74.8 112.2





#47

Bromodichloromethane

Concen: 22.832 ug/l

RT: 6.53 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

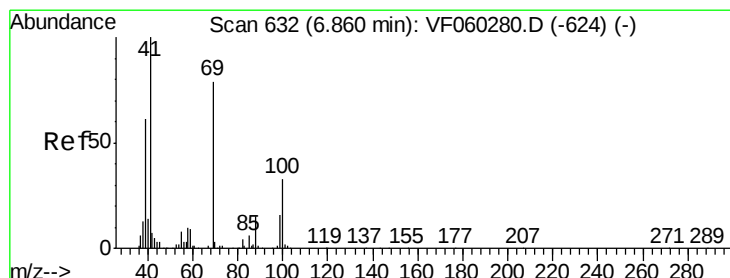
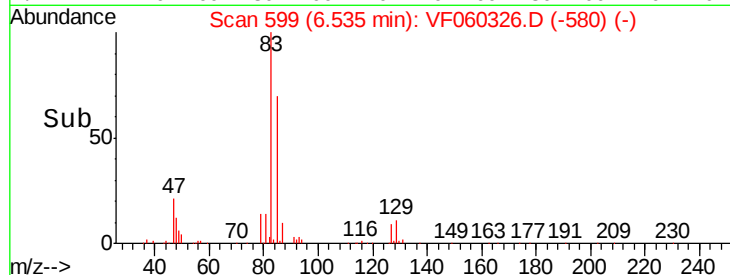
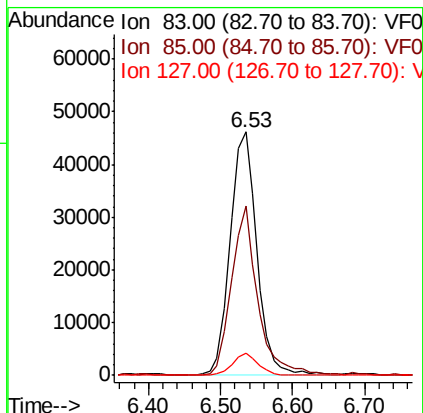
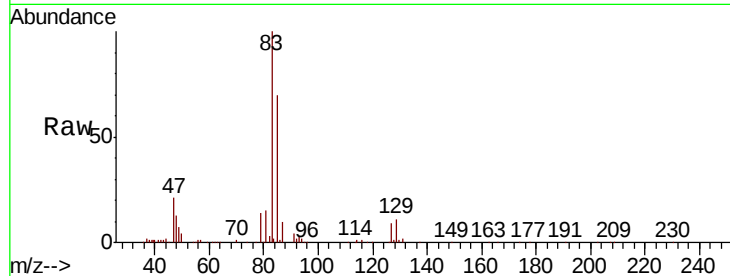
ClientSampleId :

VF0925SBS01

Tot Ion:	83	Resp:	119687
Ion Ratio		Lower	Upper
83	100		
85	69.7	50.6	76.0
127	9.1	7.1	10.7

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM



#48

Methyl methacrylate

Concen: 20.569 ug/l

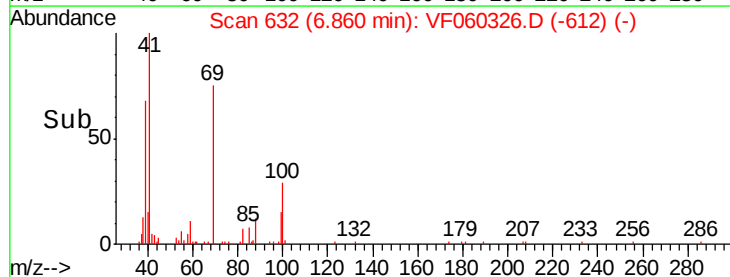
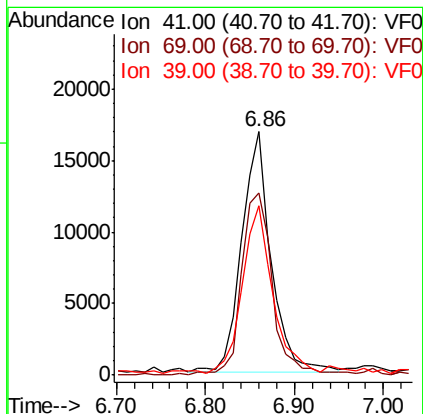
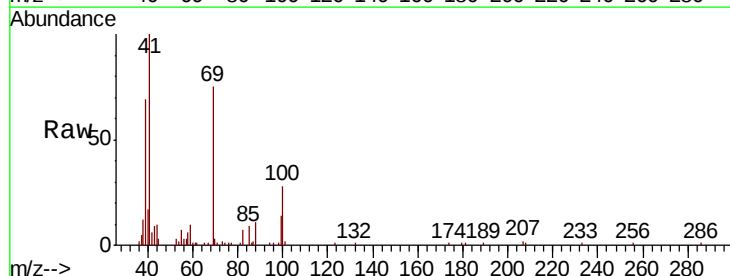
RT: 6.86 min Scan# 632

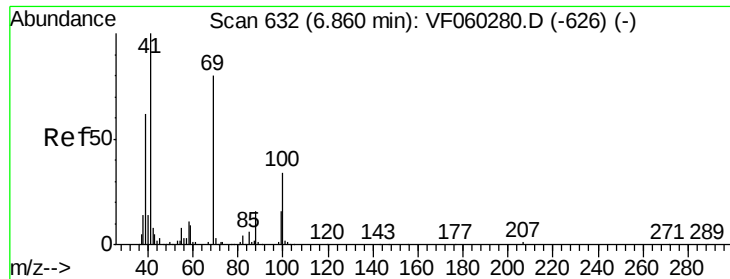
Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Tgt Ion:	41	Resp:	38247
Ion Ratio		Lower	Upper
41	100		
69	74.8	62.6	94.0
39	69.5	49.1	73.7





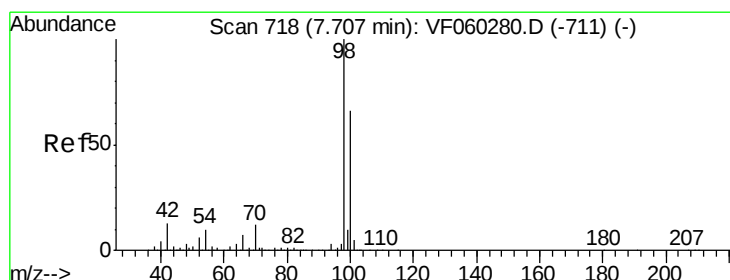
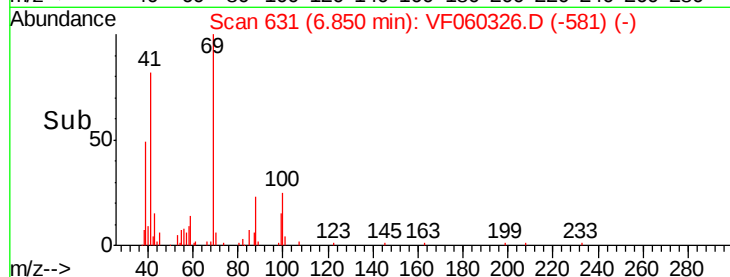
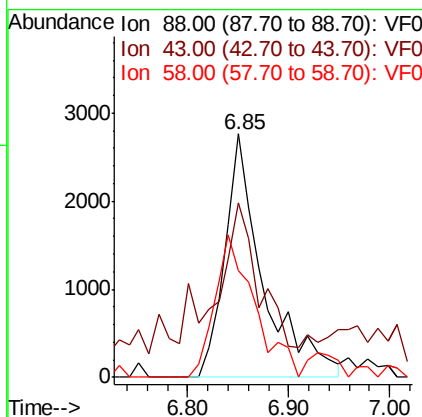
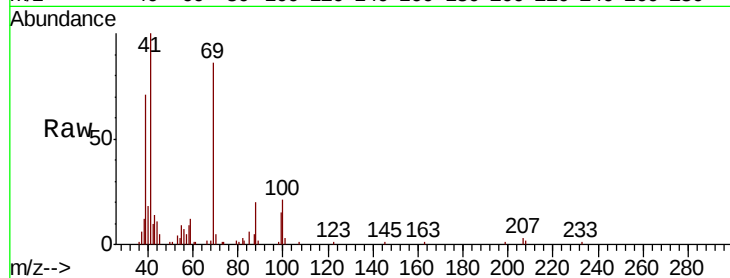
#49
 1,4-Dioxane
 Concen: 437.575 ug/l
 RT: 6.85 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	71.6	40.2	60.4#
58	43.6	56.7	85.1#

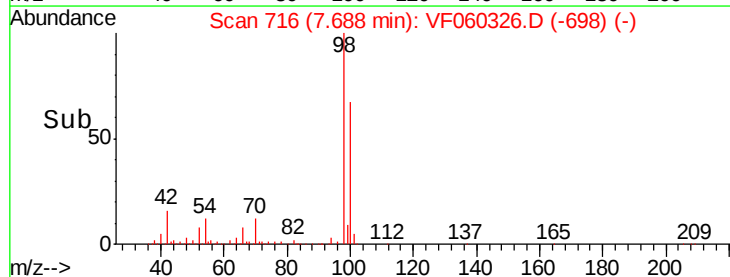
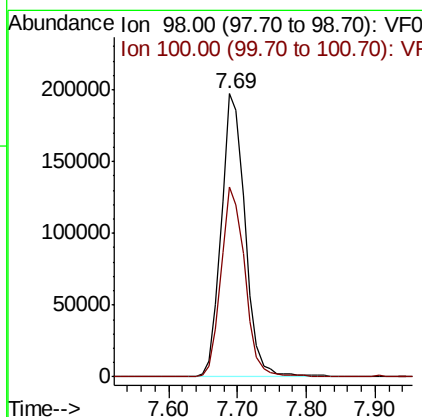
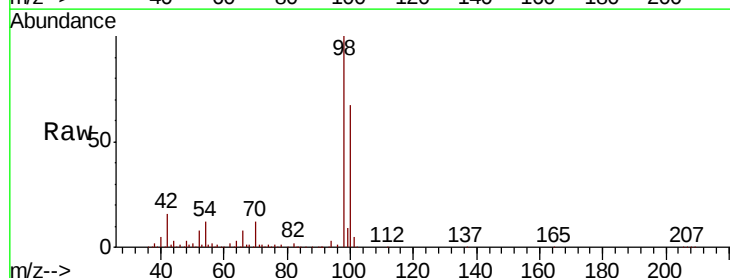
Manual Integrations
 APPROVED

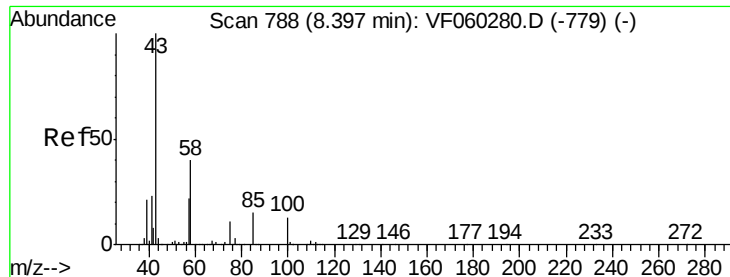
apatel
 9/26/2018 11:42:16 AM



#50
 Toluene-d8
 Concen: 48.850 ug/l
 RT: 7.69 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 101.492 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 43 Resp: 207204

Ion Ratio Lower Upper

43 100

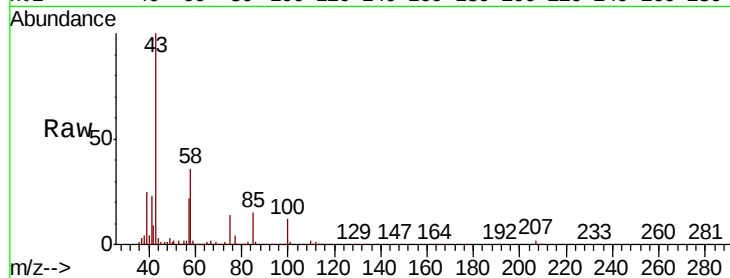
58 35.6 31.8 47.8

Manual Integrations

APPROVED

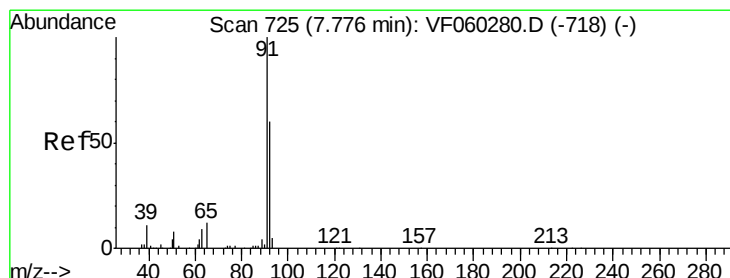
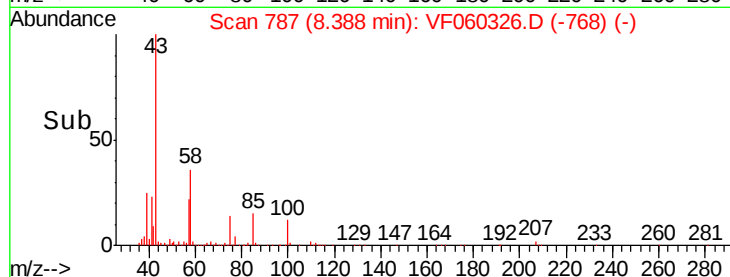
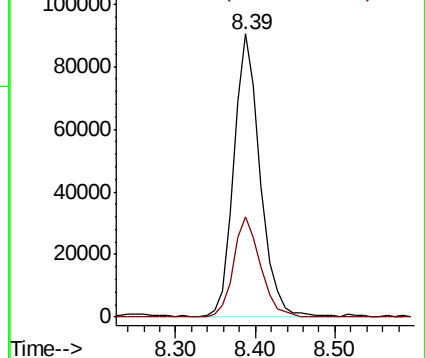
apatel

9/26/2018 11:42:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.736 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060326.D

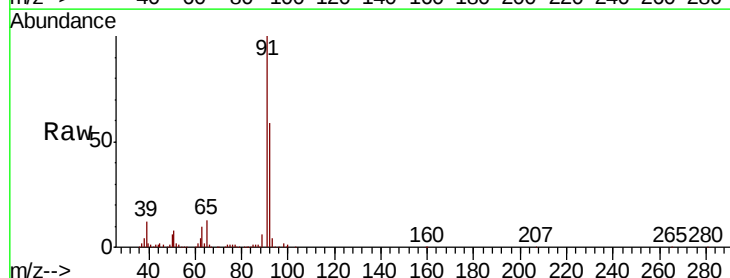
Acq: 25 Sep 2018 15:53

Tgt Ion: 92 Resp: 162135

Ion Ratio Lower Upper

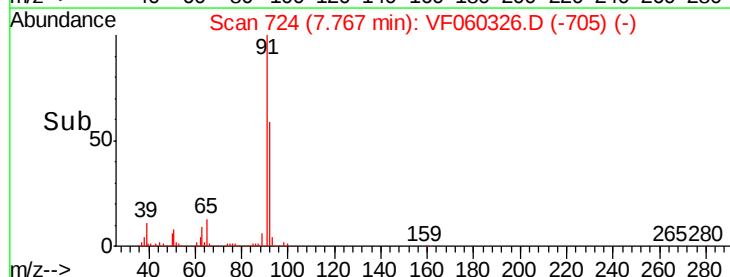
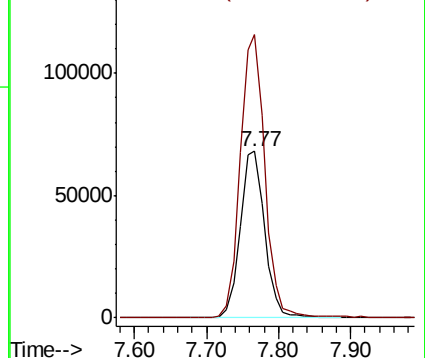
92 100

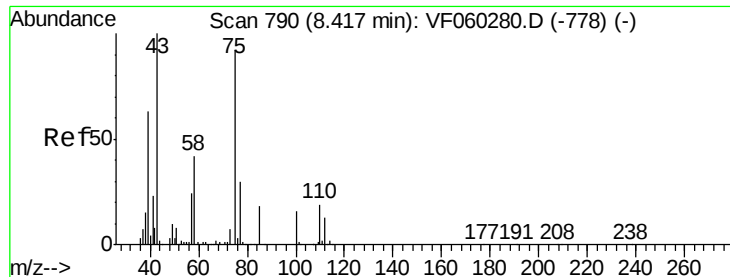
91 170.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 23.278 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 75 Resp: 98425

Ion Ratio Lower Upper

75 100

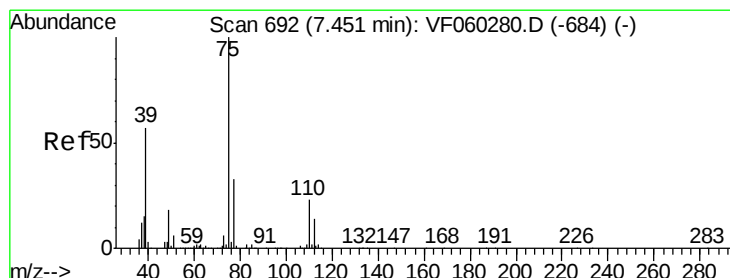
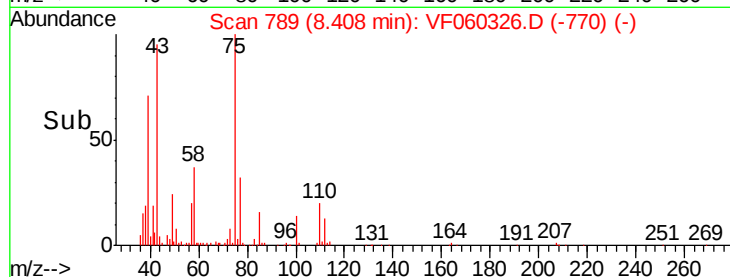
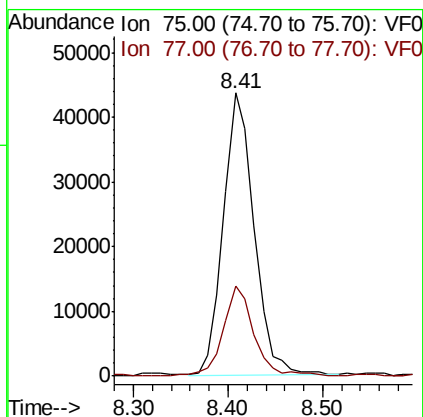
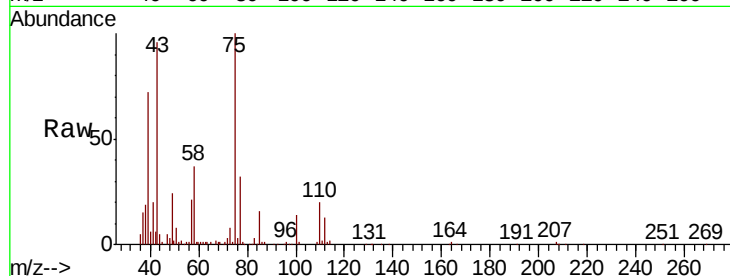
77 31.7 25.9 38.9

Manual Integrations

APPROVED

apatel

9/26/2018 11:42:16 AM



#54

cis-1,3-Dichloropropene

Concen: 21.558 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

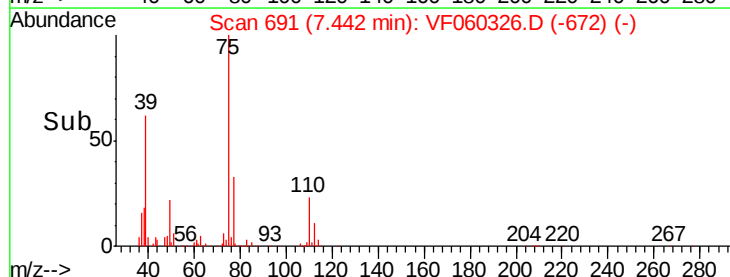
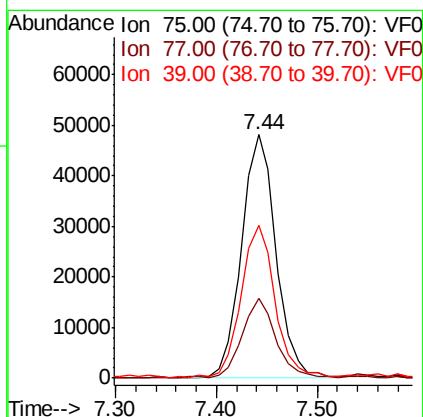
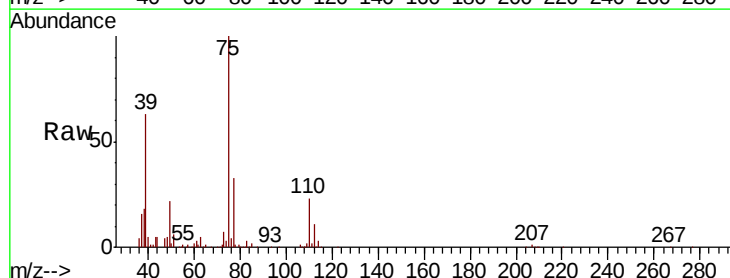
Tgt Ion: 75 Resp: 114832

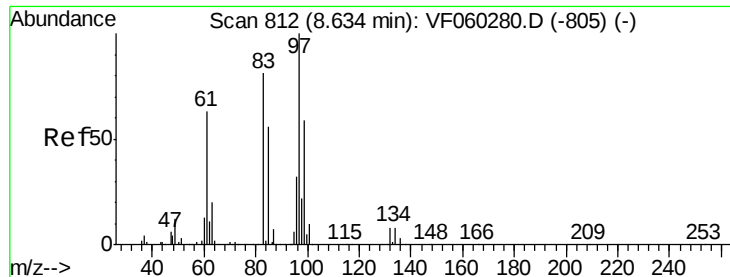
Ion Ratio Lower Upper

75 100

77 32.7 26.3 39.5

39 63.0 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 21.924 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

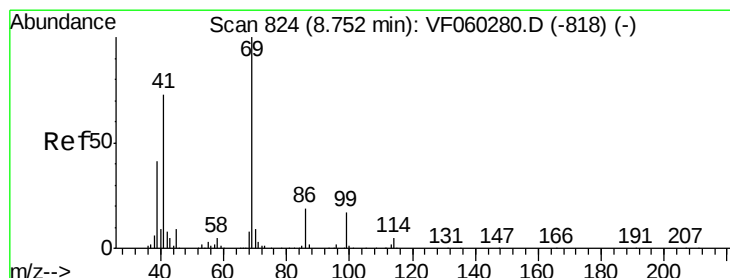
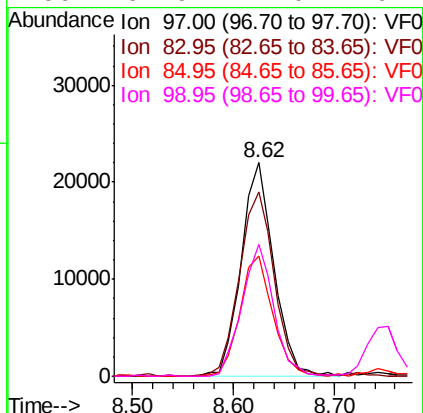
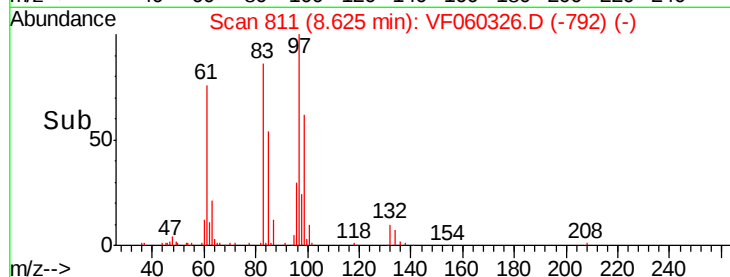
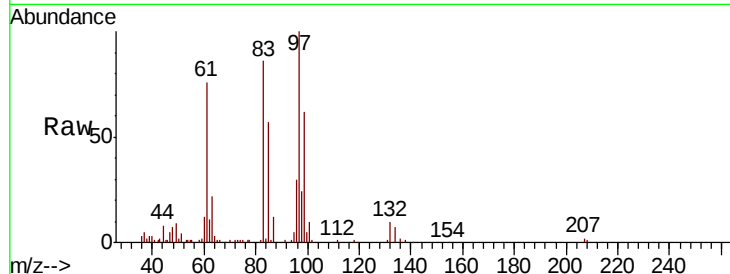
ClientSampleId :

VF0925SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		49636		
83	86.1	65.3	97.9		
85	56.6	44.7	67.1		
99	61.9	47.0	70.4		

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM



#56

Ethyl methacrylate

Concen: 20.256 ug/l

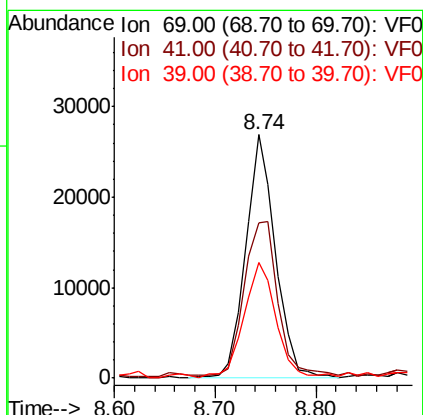
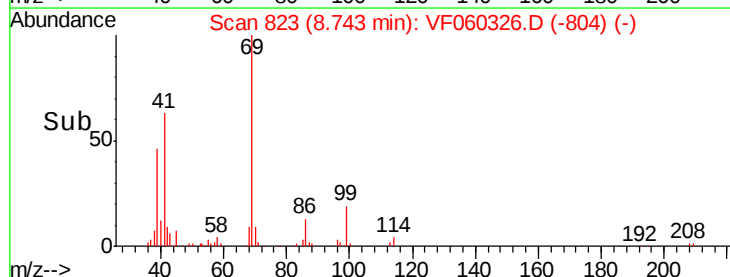
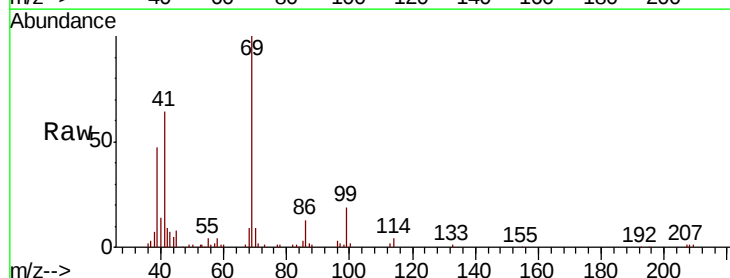
RT: 8.74 min Scan# 823

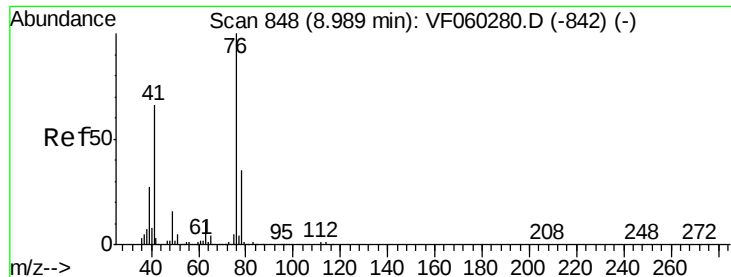
Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		55386		
41	63.9	59.4	89.2		
39	47.4	33.5	50.3		





#57

1,3-Dichloropropane

Concen: 23.166 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 76 Resp: 86843

Ion Ratio Lower Upper

76 100

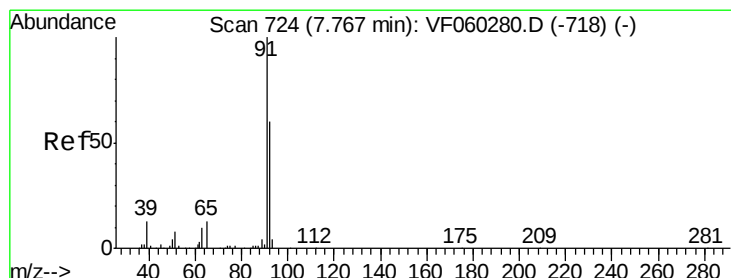
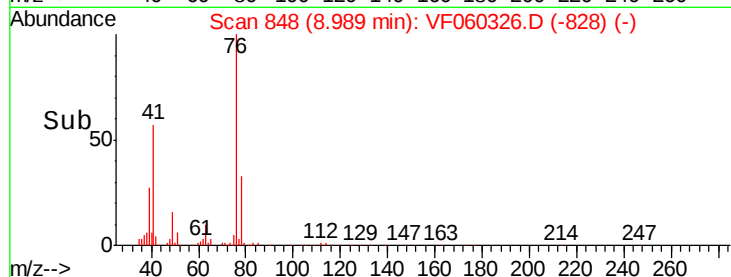
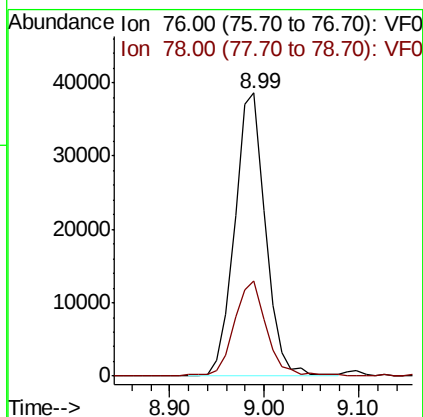
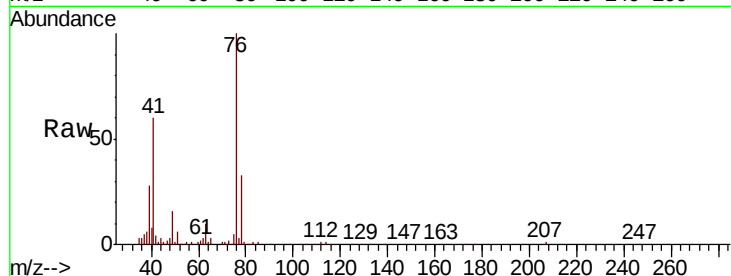
78 33.4 28.2 42.2

Manual Integrations

APPROVED

apatel

9/26/2018 11:42:16 AM



#58

2-Chloroethyl Vinyl ether

Concen: 108.299 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.00 min

Lab File: VF060326.D

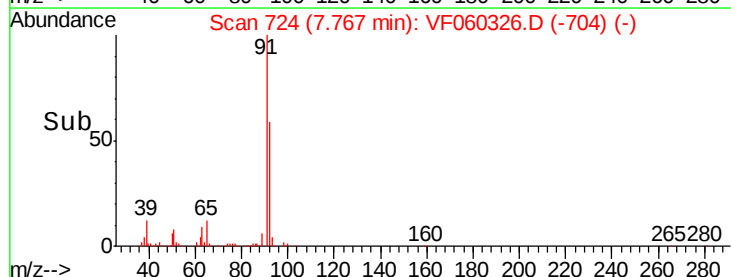
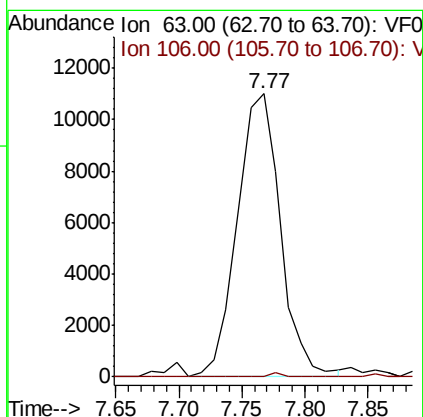
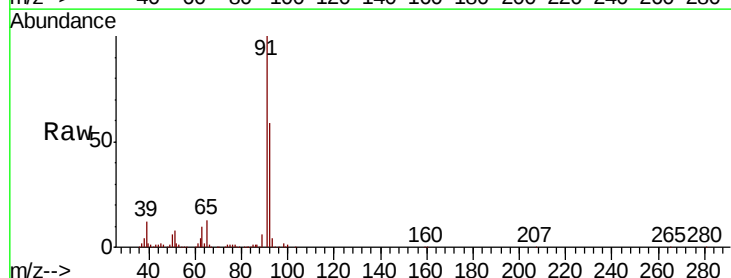
Acq: 25 Sep 2018 15:53

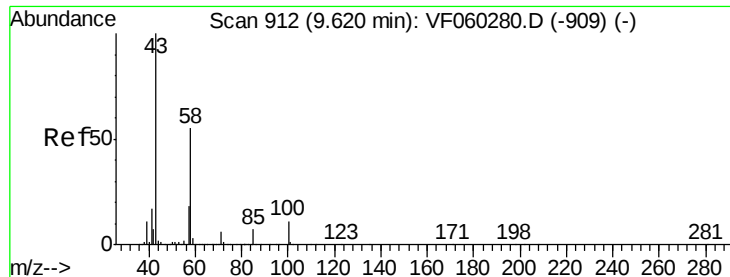
Tgt Ion: 63 Resp: 26178

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





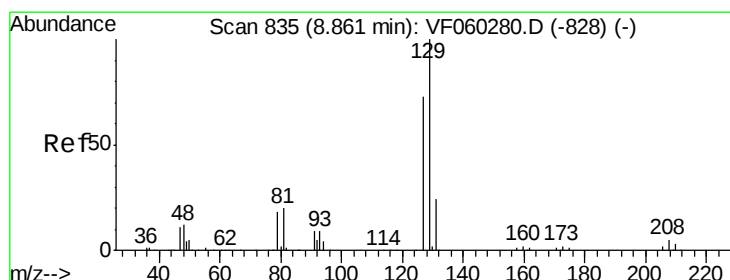
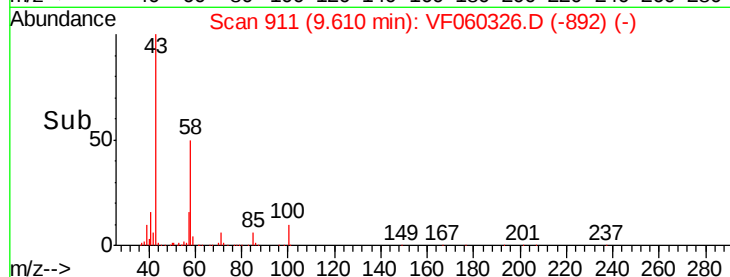
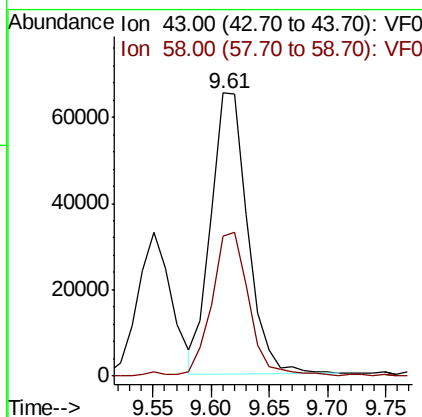
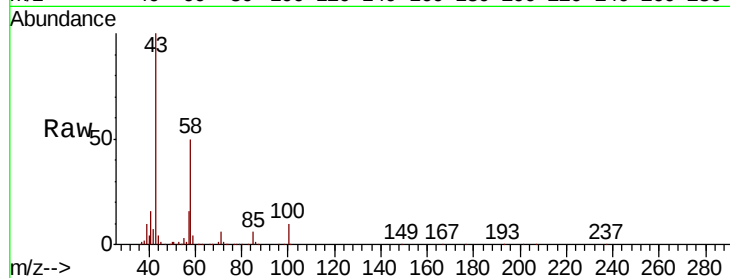
#59
2-Hexanone
Concen: 98.280 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion: 43 Resp: 142862
Ion Ratio Lower Upper
43 100
58 49.5 25.9 77.6

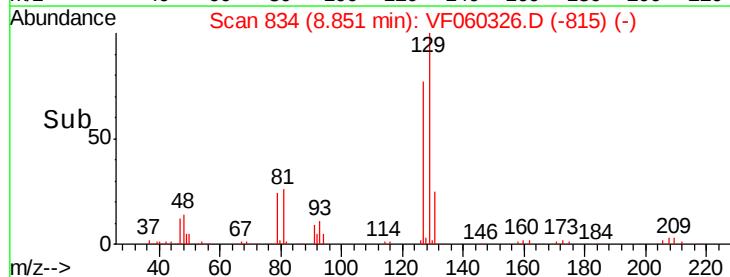
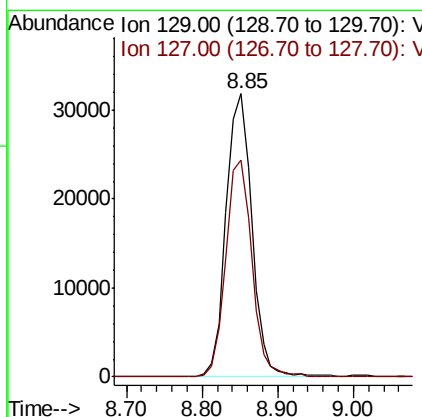
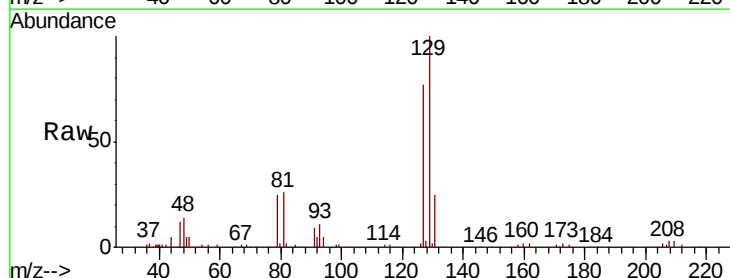
Manual Integrations
APPROVED

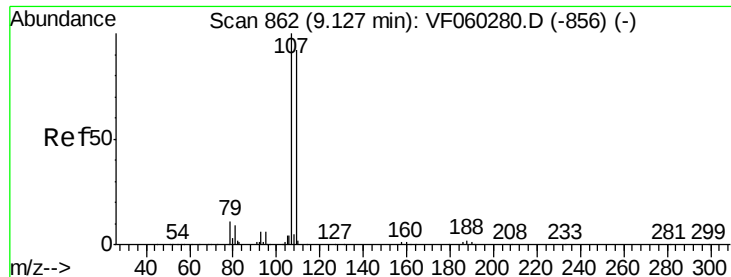
apatel
9/26/2018 11:42:16 AM



#60
Dibromochloromethane
Concen: 22.346 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion: 129 Resp: 75405
Ion Ratio Lower Upper
129 100
127 75.5 36.6 109.8





#61

1,2-Dibromoethane

Concen: 22.062 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion:107 Resp: 55621

Ion Ratio Lower Upper

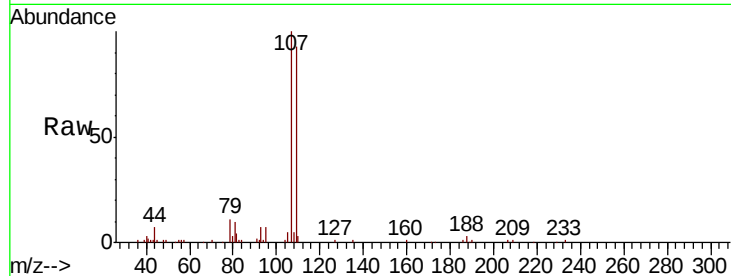
107 100

109 92.8 73.2 109.8

Manual Integrations
APPROVED

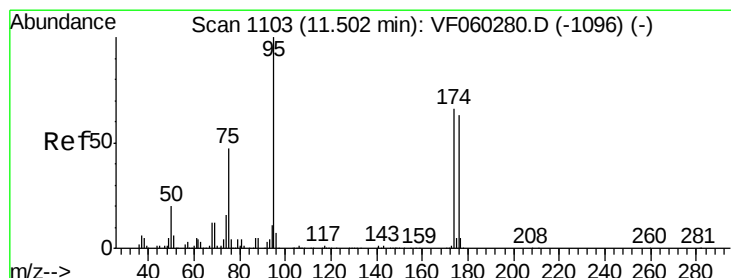
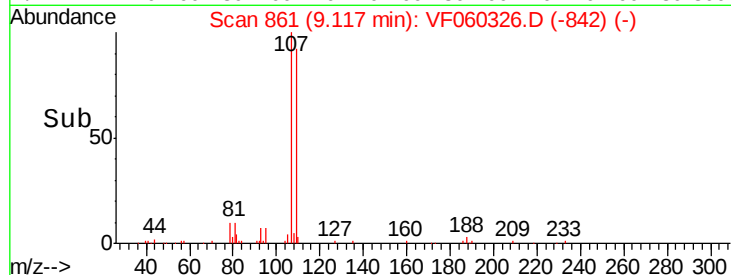
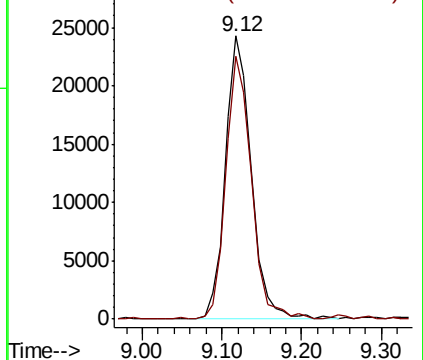
apatel

9/26/2018 11:42:16 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.072 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

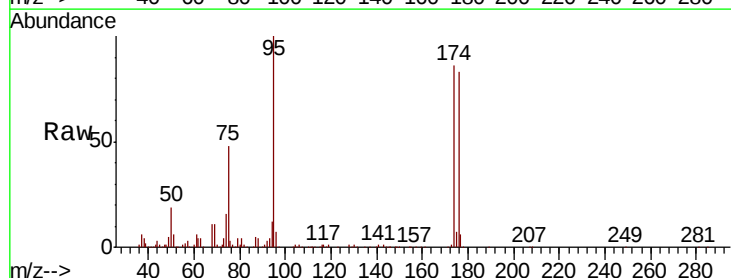
Tgt Ion: 95 Resp: 213657

Ion Ratio Lower Upper

95 100

174 85.8 0.0 131.2

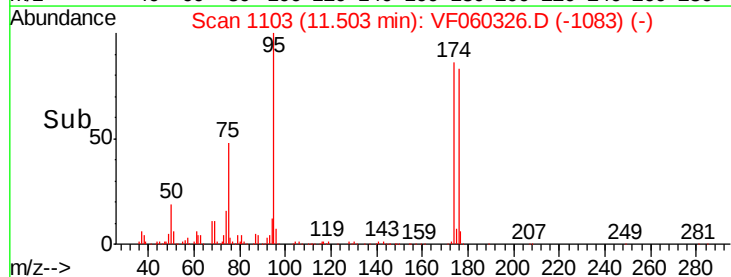
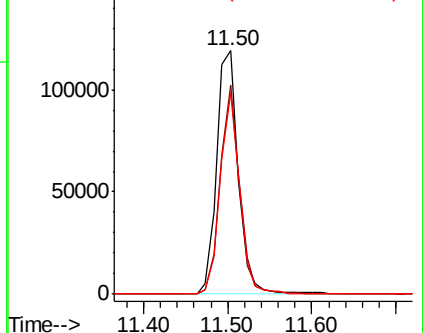
176 82.7 0.0 126.6

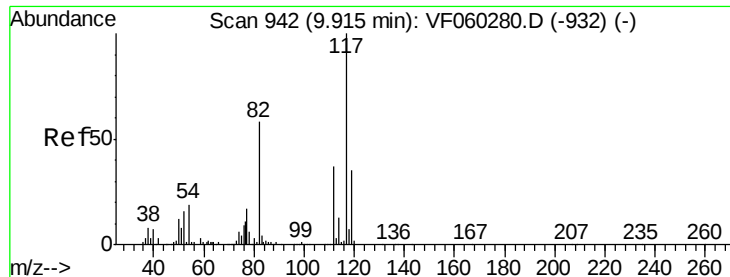


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





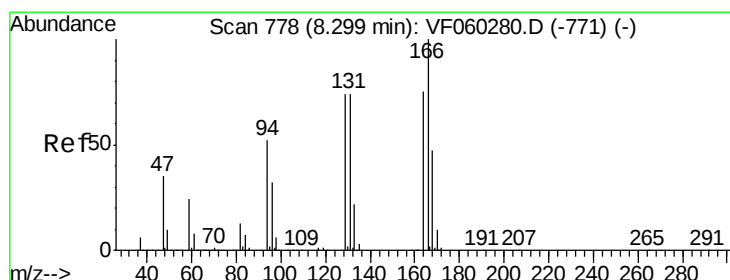
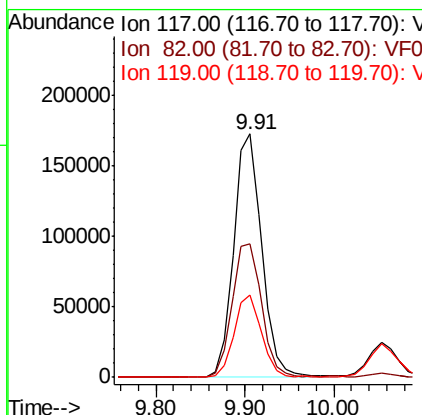
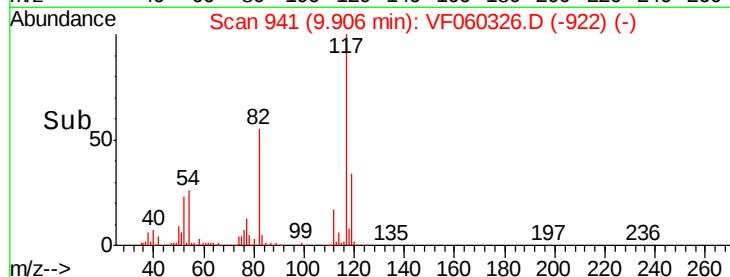
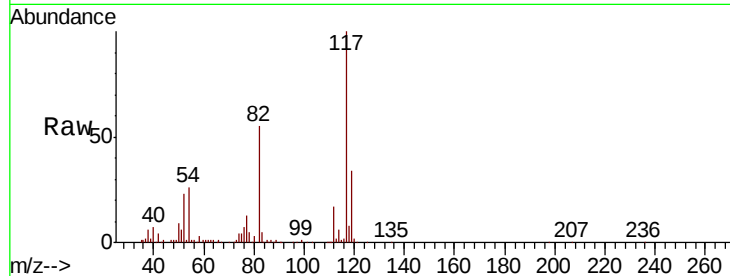
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	382022		
82	55.1	46.2	69.2	
119	34.0	27.8	41.6	

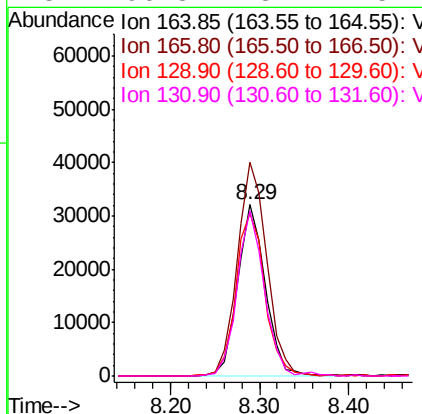
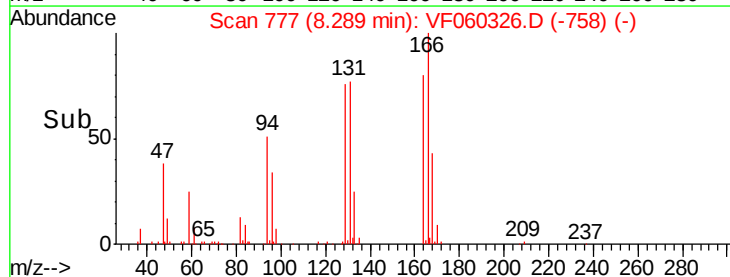
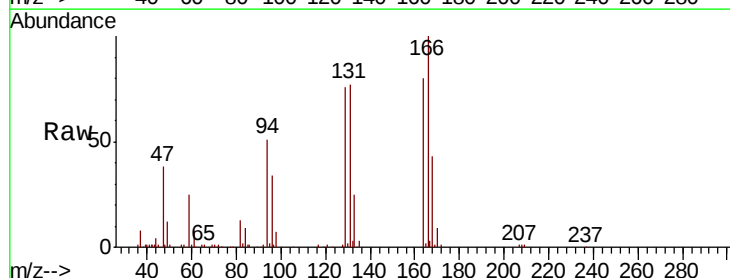
Manual Integrations
APPROVED

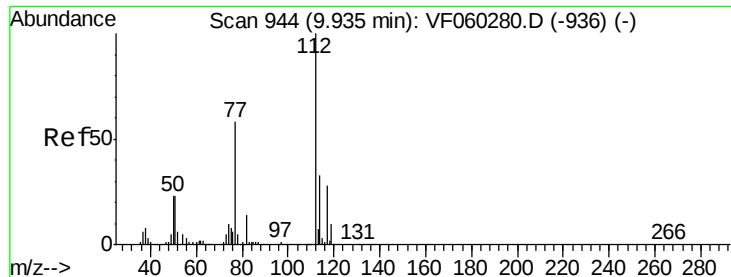
apatel
9/26/2018 11:42:16 AM



#64
Tetrachloroethene
Concen: 20.216 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	70012		
166	124.9	106.8	160.2	
129	94.8	78.8	118.2	
131	96.8	78.7	118.1	





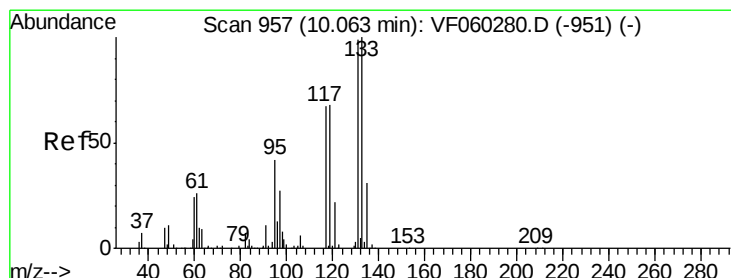
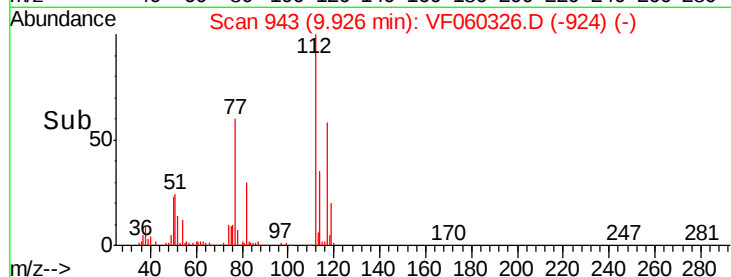
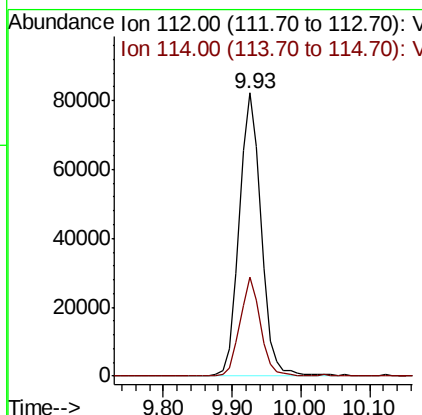
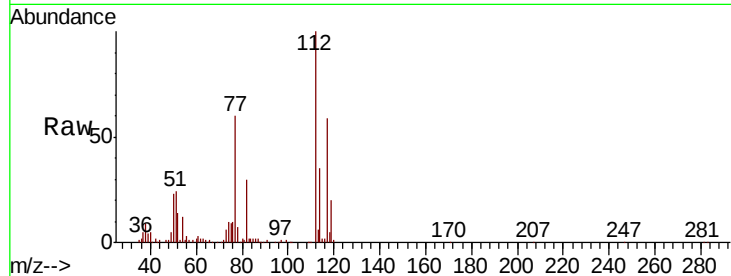
#65
Chlorobenzene
Concen: 20.964 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.8	26.6	40.0

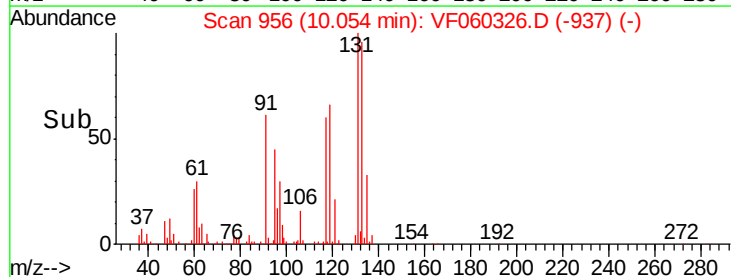
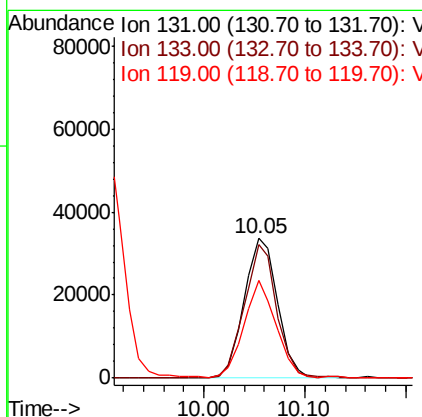
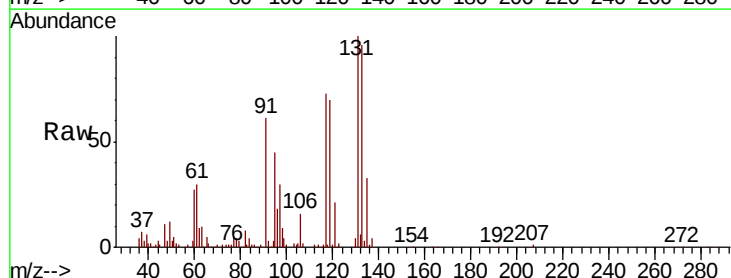
Manual Integrations
APPROVED

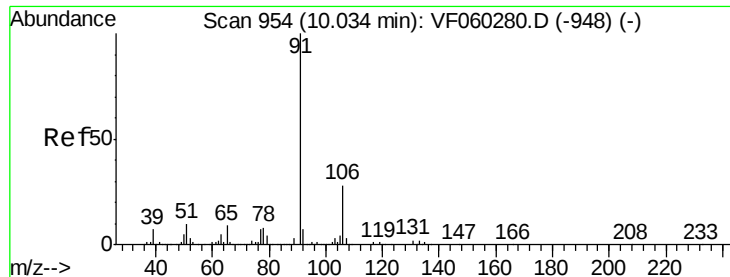
apatel
9/26/2018 11:42:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.670 ug/l
RT: 10.05 min Scan# 956
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	50.4	151.2
119	70.1	34.8	104.3





#67

Ethyl Benzene

Concen: 21.206 ug/l

RT: 10.02 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 91 Resp: 339488

Ion Ratio Lower Upper

91 100

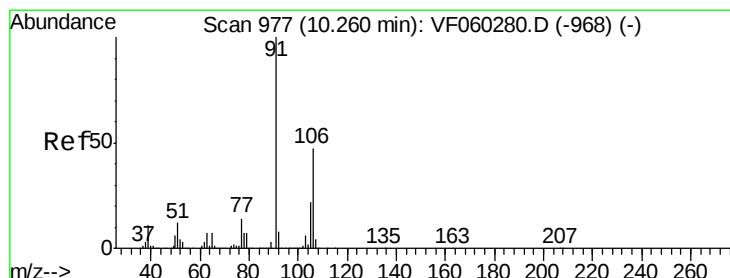
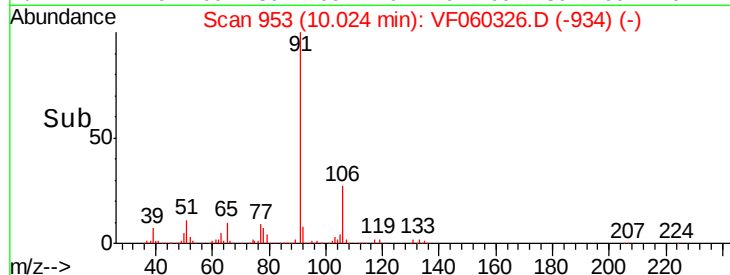
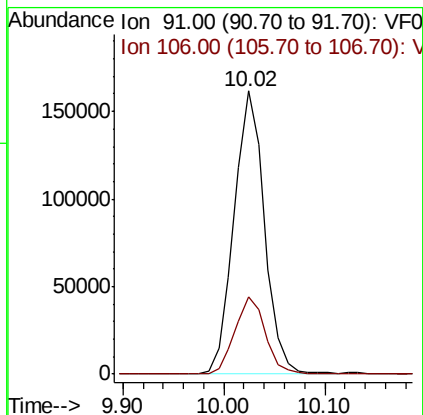
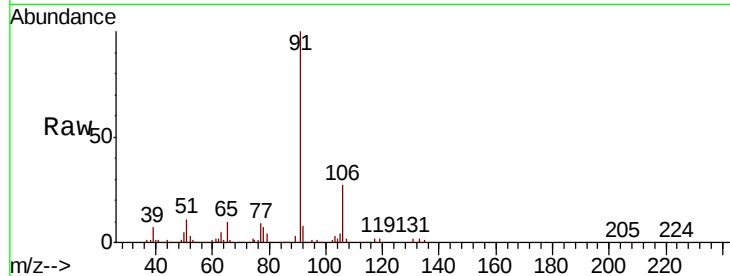
106 27.4 22.7 34.1

Manual Integrations

APPROVED

apatel

9/26/2018 11:42:16 AM



#68

m/p-Xylenes

Concen: 44.083 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060326.D

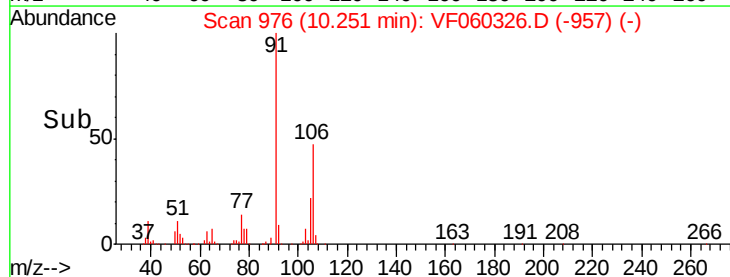
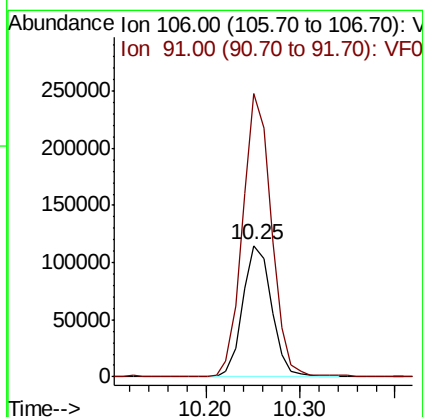
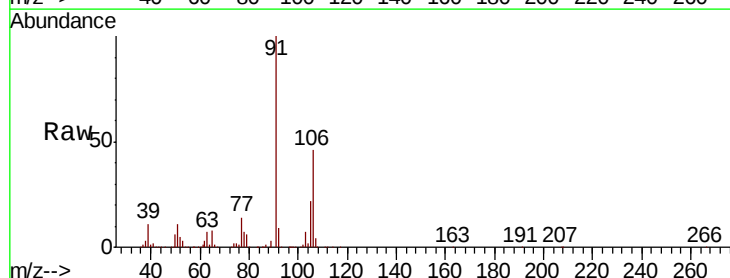
Acq: 25 Sep 2018 15:53

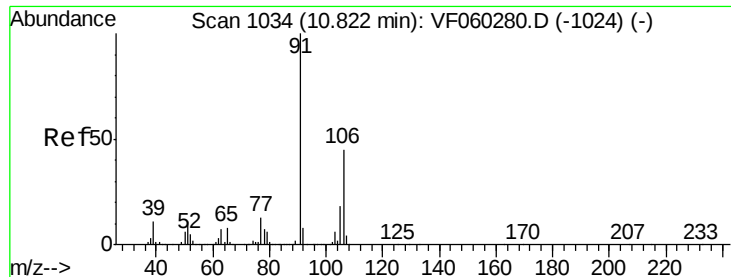
Tgt Ion: 106 Resp: 243816

Ion Ratio Lower Upper

106 100

91 215.7 172.3 258.5





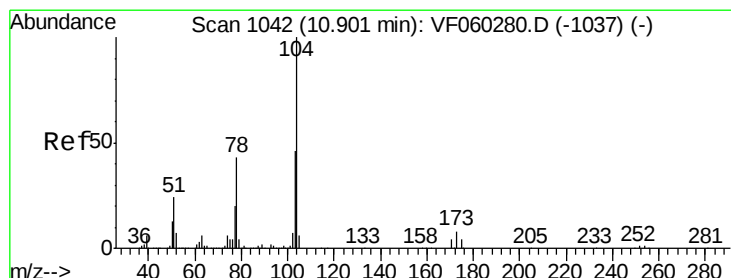
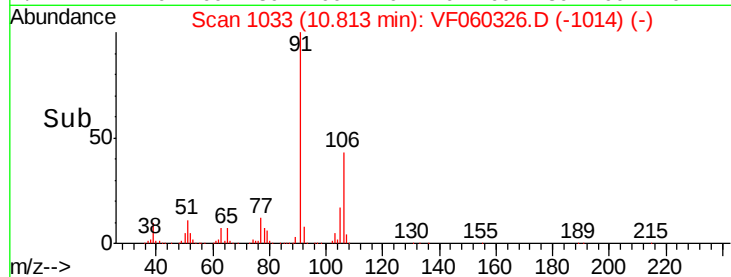
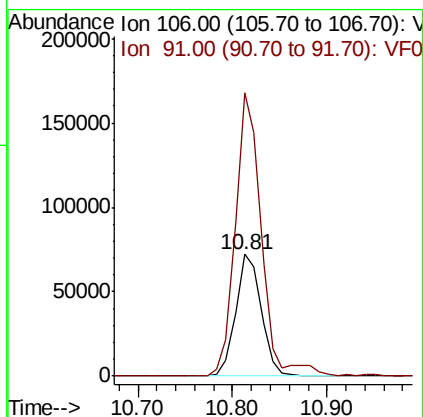
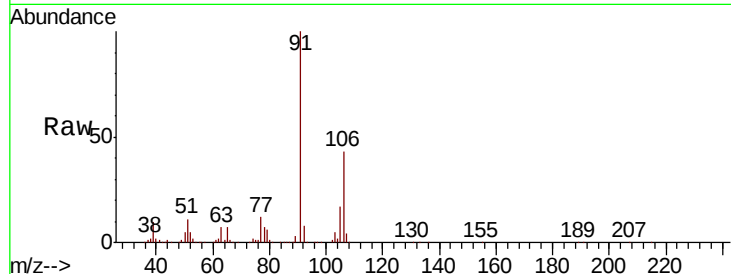
#69
o-Xylene
Concen: 21.841 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	232.0	110.9	332.6

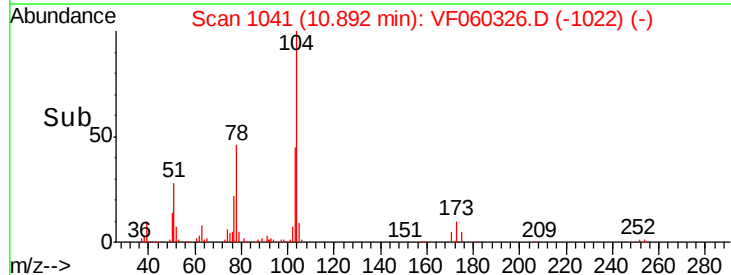
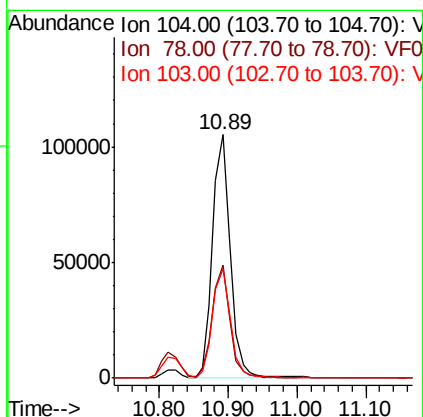
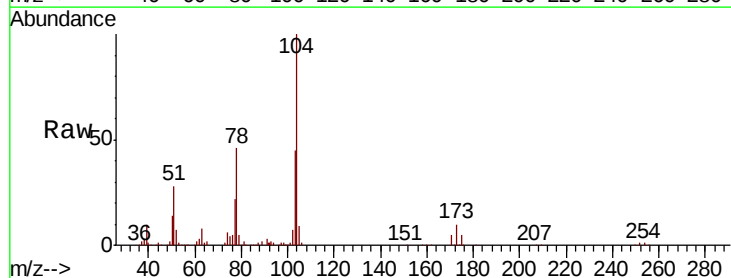
Manual Integrations
APPROVED

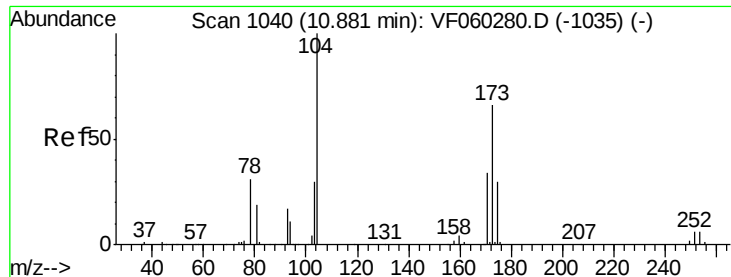
apatel
9/26/2018 11:42:16 AM



#70
Styrene
Concen: 21.558 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.3	35.0	52.6
103	44.8	37.4	56.0





#71

Bromoform

Concen: 20.806 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

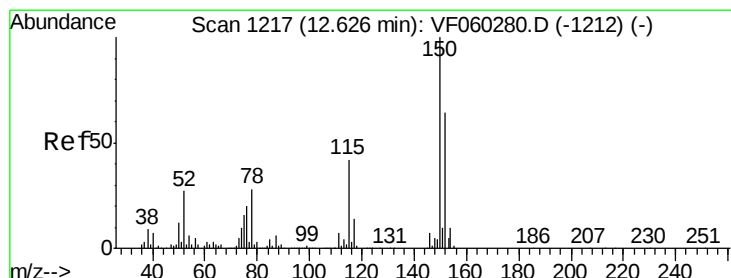
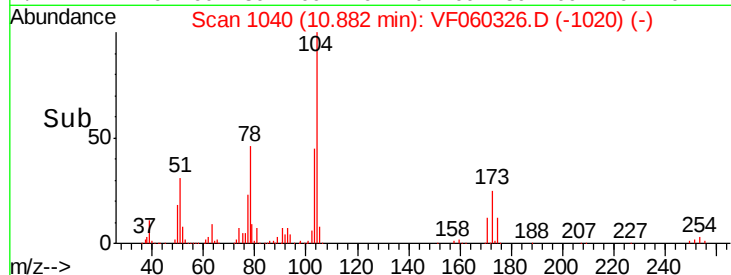
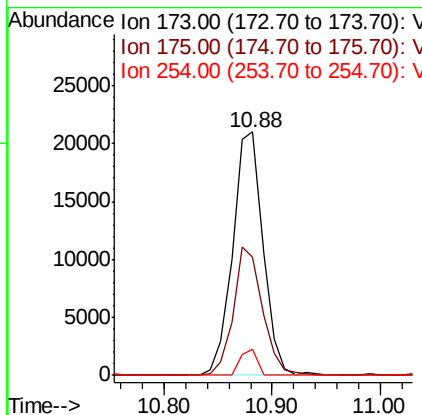
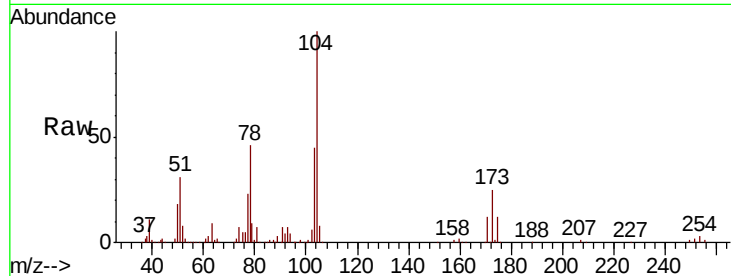
ClientSampleId :

VF0925SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	173	100	41059		
175	175	48.7	22.3	66.9	
254	254	10.9	0.0	0.0	

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

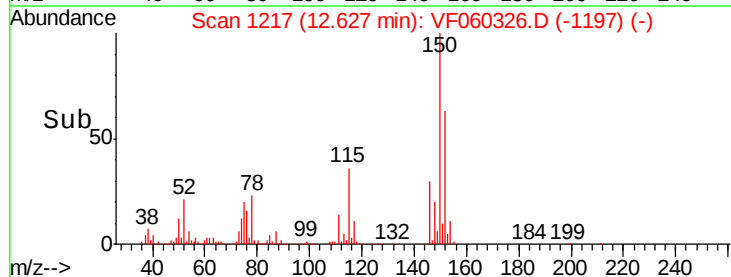
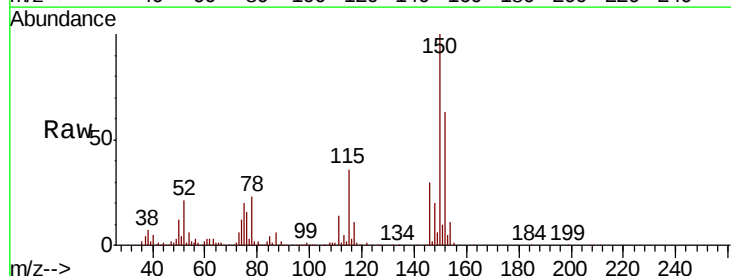
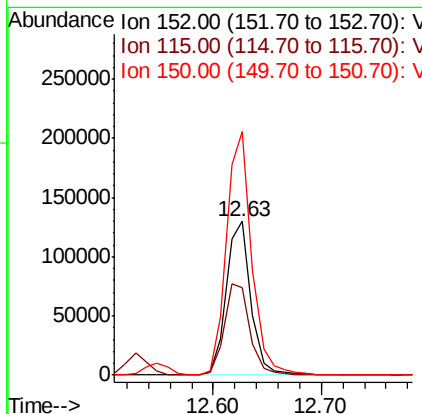
RT: 12.63 min Scan# 1217

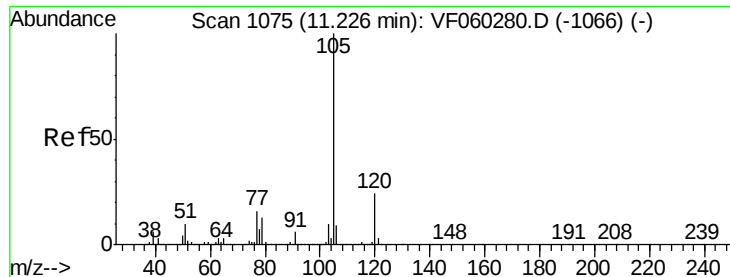
Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	152	100	205781		
115	115	57.2	32.6	97.8	
150	150	158.6	0.0	314.2	





#73

Isopropylbenzene

Concen: 21.516 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampled :

VF0925SBS01

Tot Ion:105 Resp: 397473

Ion Ratio Lower Upper

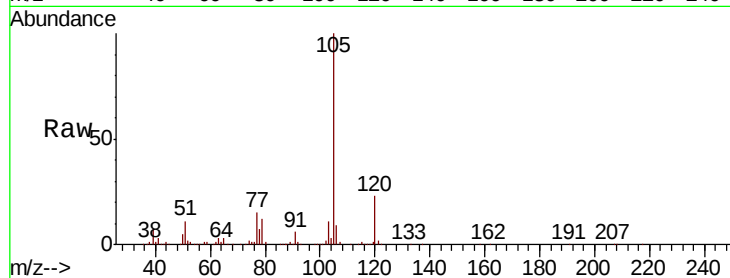
105 100

120 23.1 12.2 36.6

Manual Integrations
APPROVED

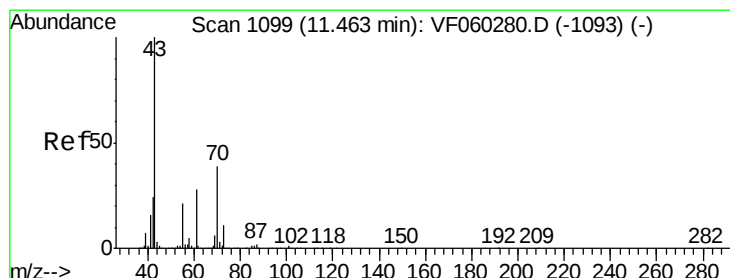
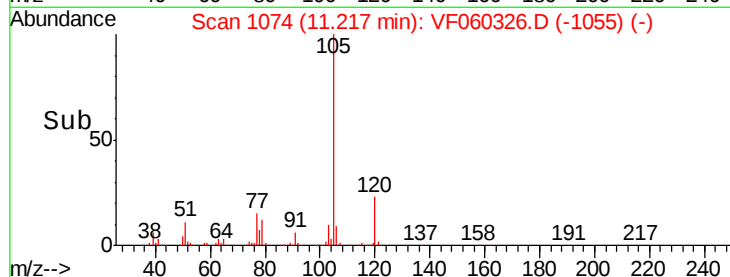
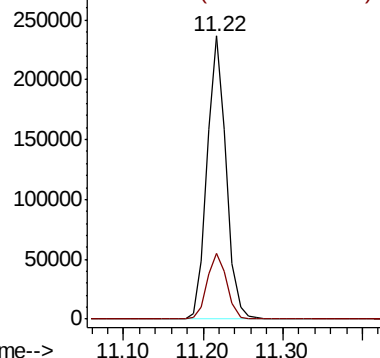
apatel

9/26/2018 11:42:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.232 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Tgt Ion: 43 Resp: 79702

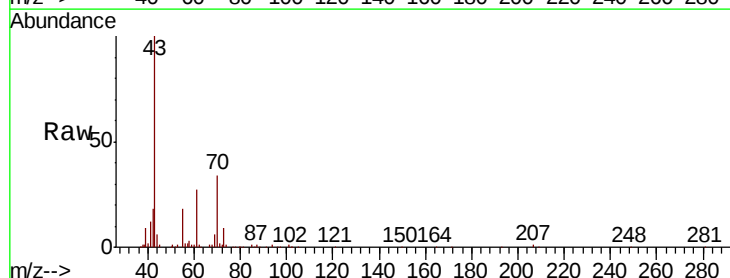
Ion Ratio Lower Upper

43 100

70 33.6 31.4 47.2

55 17.8 16.8 25.2

61 27.1 22.6 34.0

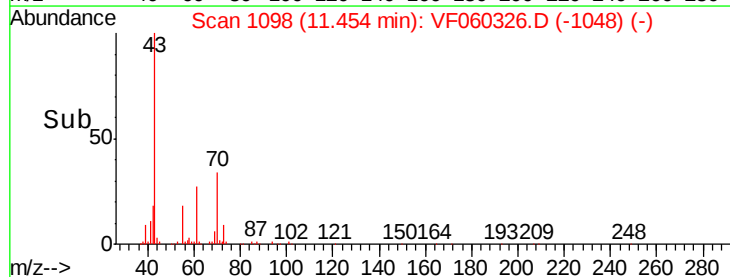
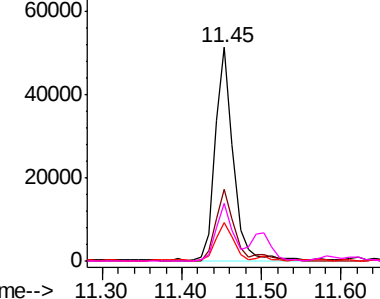


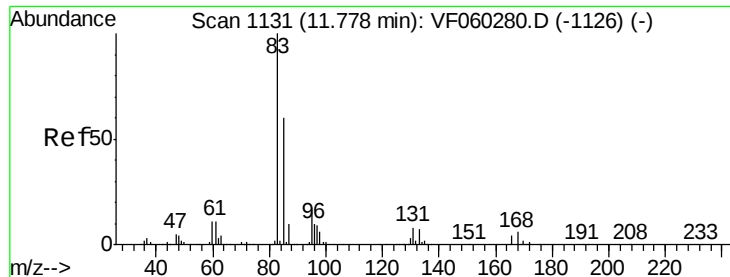
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.037 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

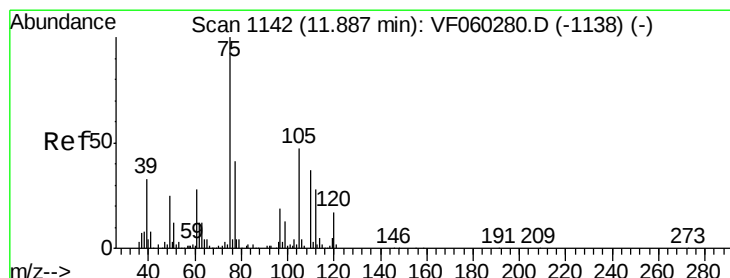
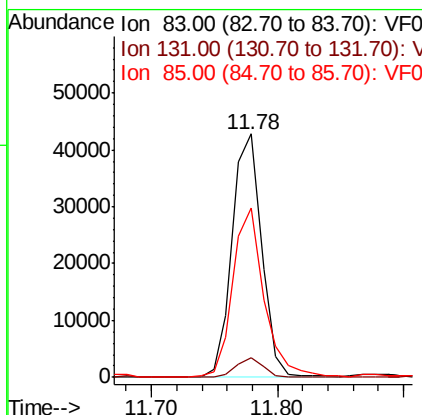
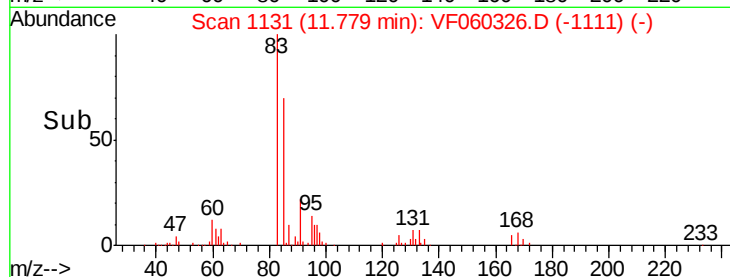
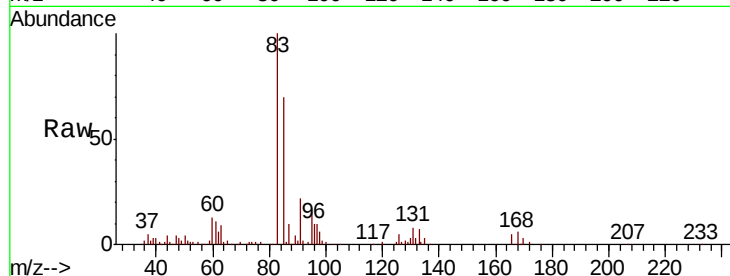
ClientSampleId :

VF0925SBS01

Tot Ion:	83	Resp:	68872
Ion Ratio	Lower	Upper	
83	100		
131	7.9	4.2	12.4
85	69.6	30.1	90.5

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM



#76

1,2,3-Trichloropropane

Concen: 21.169 ug/l

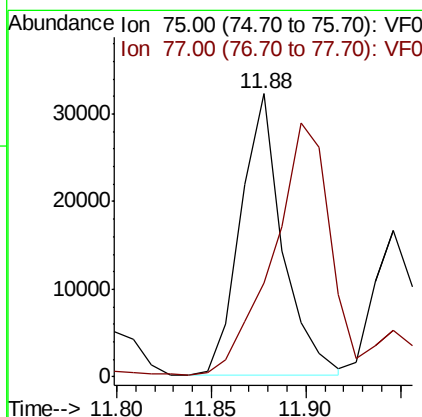
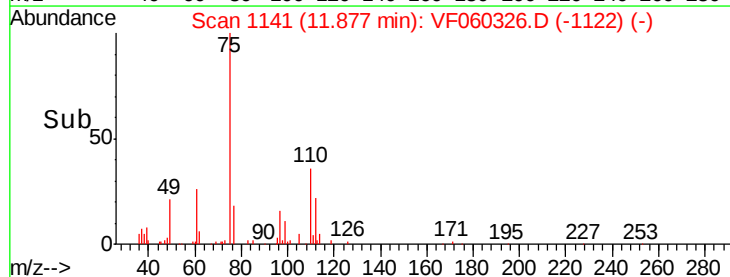
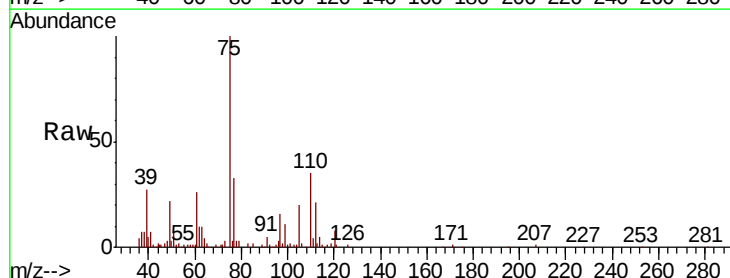
RT: 11.88 min Scan# 1141

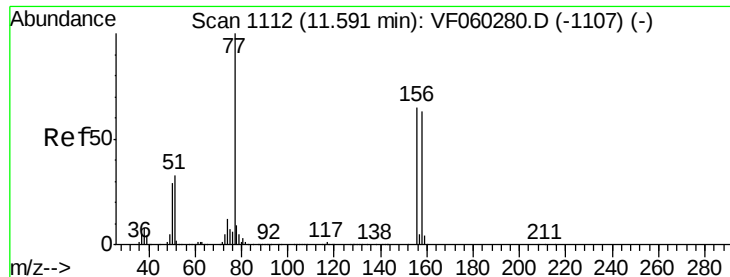
Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Tgt Ion:	75	Resp:	49623
Ion Ratio	Lower	Upper	
75	100		
77	33.4	20.5	61.5





#77

Bromobenzene

Concen: 20.432 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

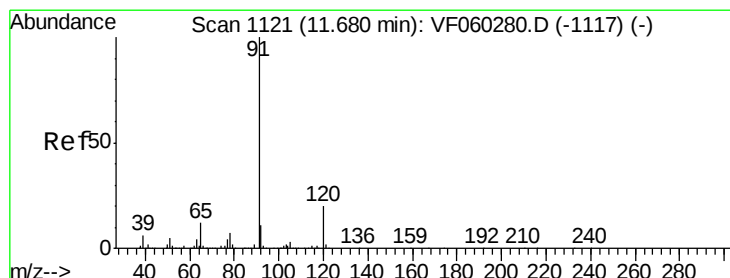
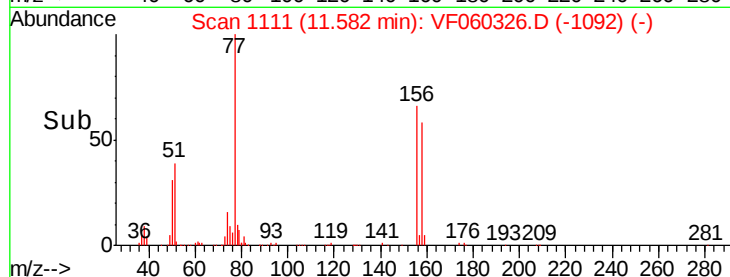
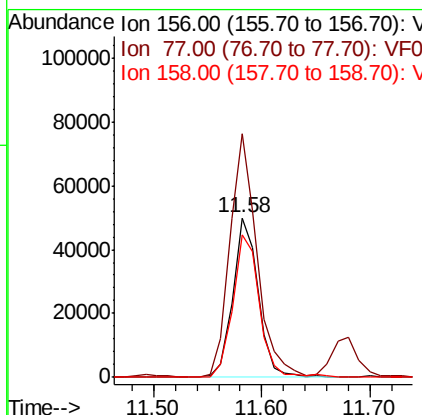
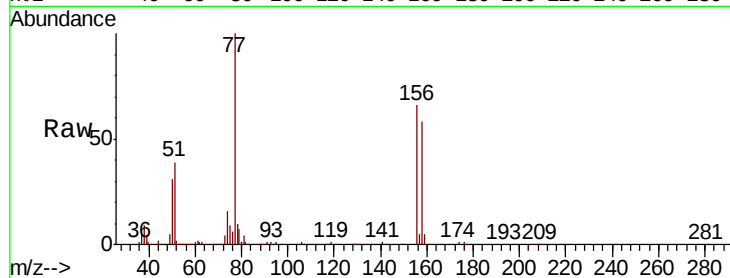
ClientSampleId :

VF0925SBS01

Tot Ion:	156	Resp:	81344
Ion	Ratio	Lower	Upper
156	100		
77	152.4	77.3	232.1
158	88.9	48.4	145.2

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM



#78

n-propylbenzene

Concen: 22.169 ug/l

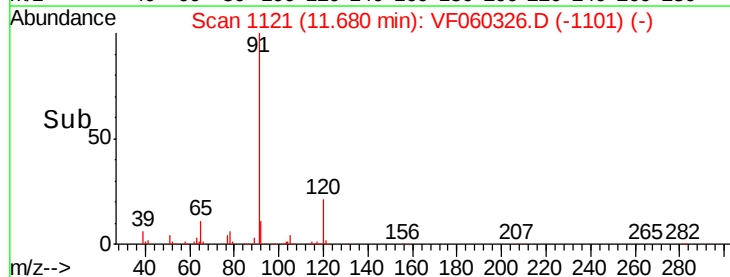
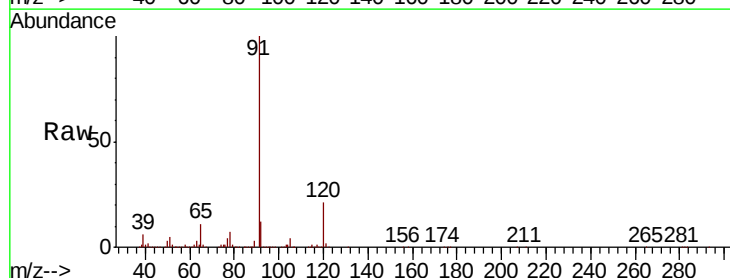
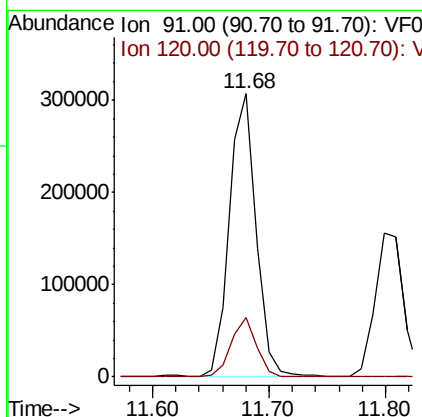
RT: 11.68 min Scan# 1121

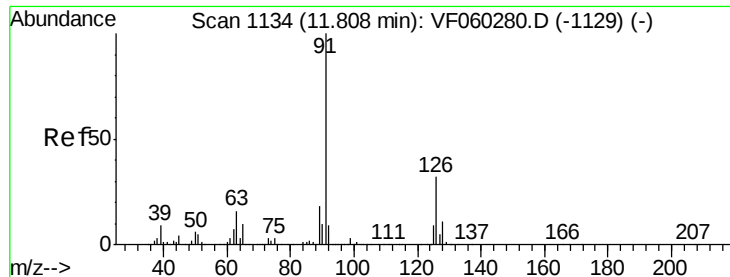
Delta R.T. 0.00 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Tgt Ion:	91	Resp:	488195
Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.0	29.8





#79

2-Chlorotoluene

Concen: 21.111 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion: 91 Resp: 263072

Ion Ratio Lower Upper

91 100

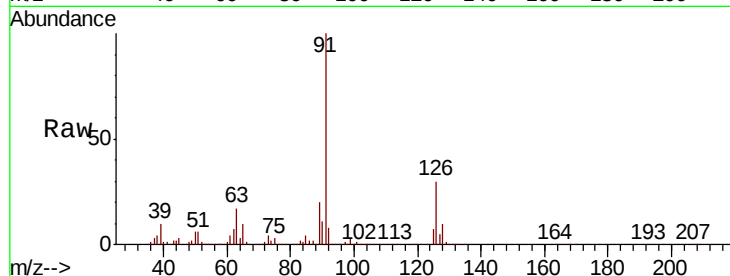
126 30.5 16.1 48.3

Manual Integrations

APPROVED

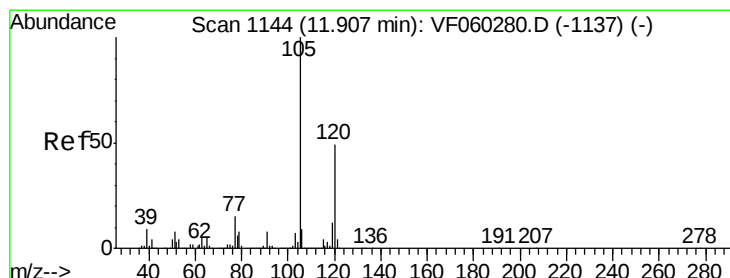
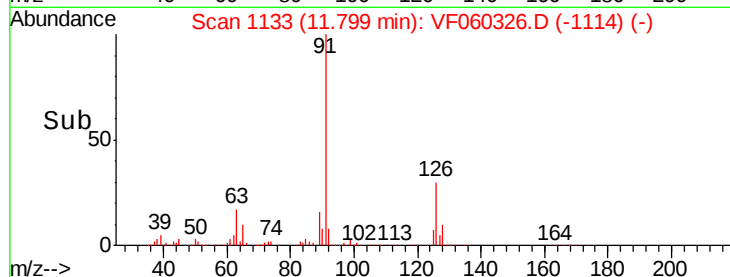
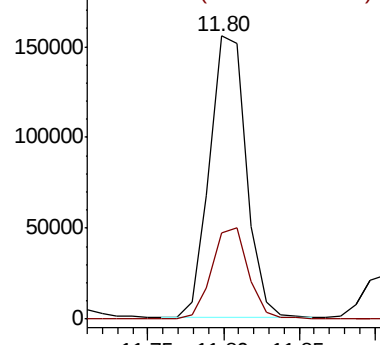
apatel

9/26/2018 11:42:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.457 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060326.D

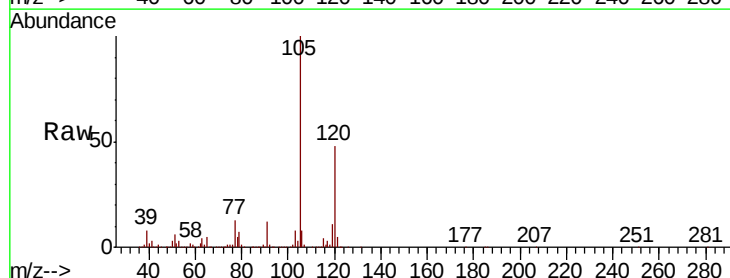
Acq: 25 Sep 2018 15:53

Tgt Ion:105 Resp: 333954

Ion Ratio Lower Upper

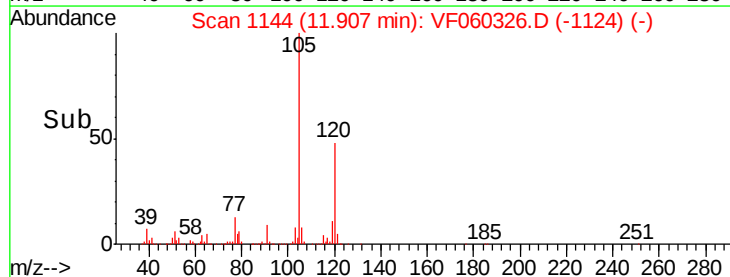
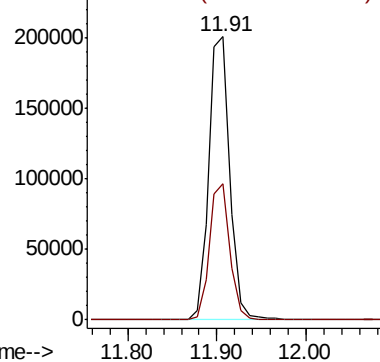
105 100

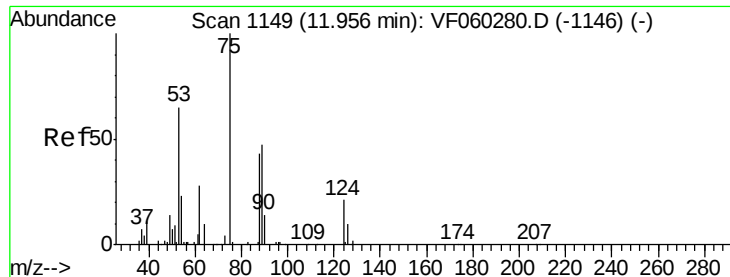
120 48.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.143 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

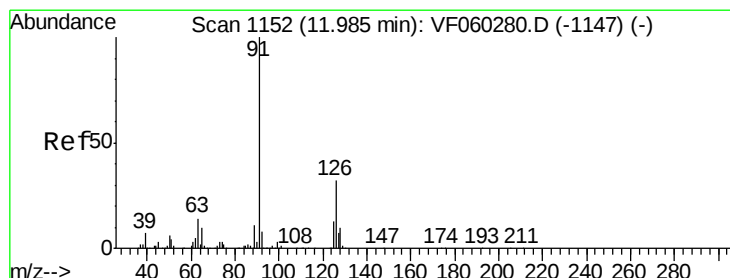
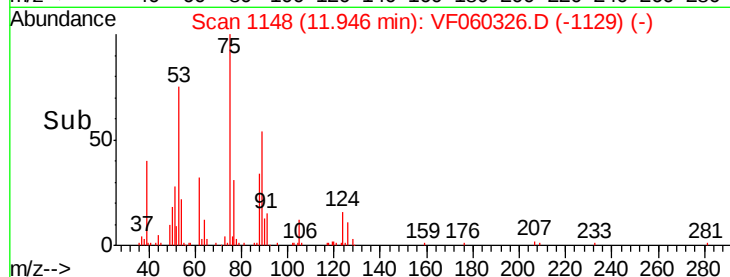
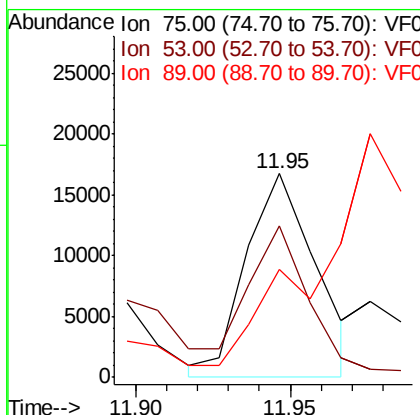
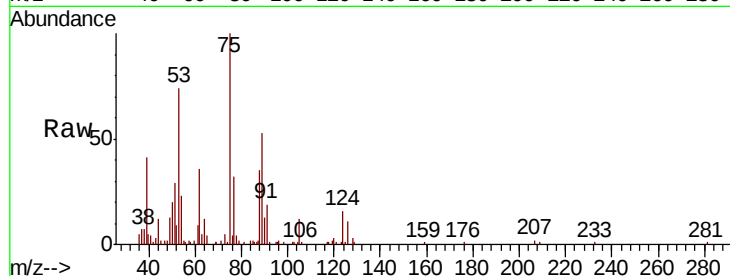
ClientSampleId :

VF0925SBS01

Tot Ion:	75	Resp:	26193
Ion	Ratio	Lower	Upper
75	100		
53	74.4	56.5	84.7
89	53.2	40.6	60.8

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM



#82

4-Chlorotoluene

Concen: 21.998 ug/l

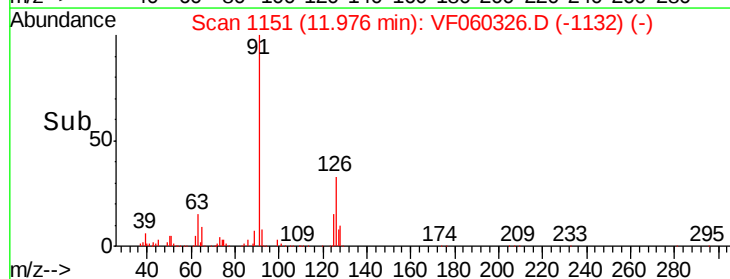
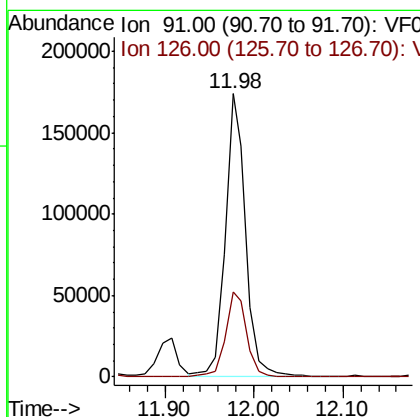
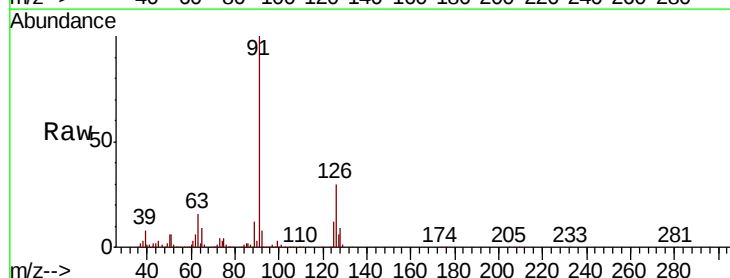
RT: 11.98 min Scan# 1151

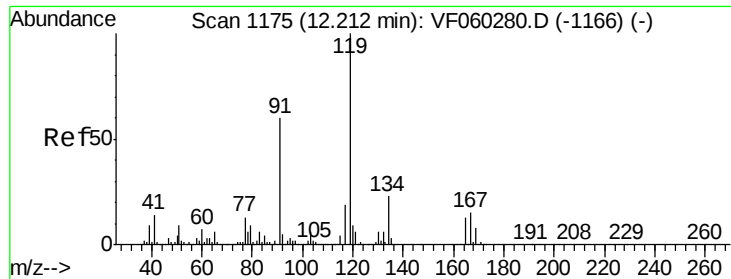
Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Tgt Ion:	91	Resp:	275525
Ion	Ratio	Lower	Upper
91	100		
126	30.2	16.1	48.2





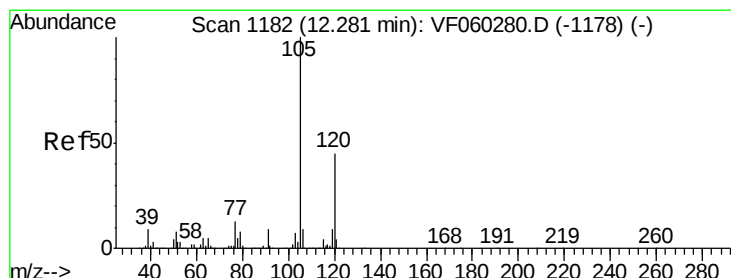
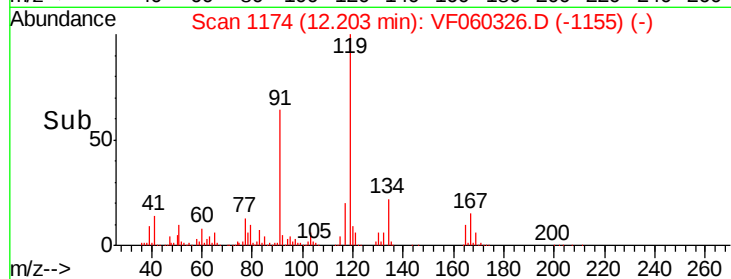
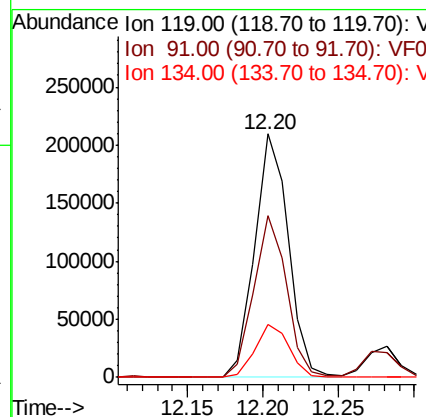
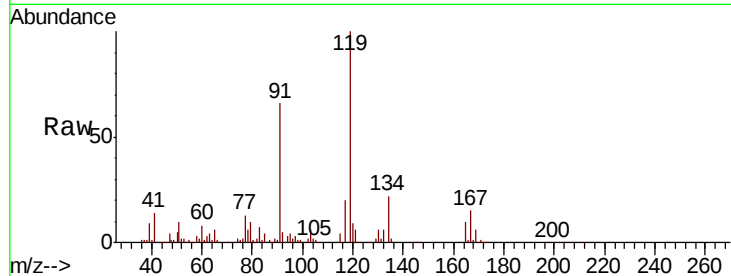
#83
 tert-Butylbenzene
 Concen: 21.690 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	326965		
91	66.3		30.3	91.0
134	21.9		11.6	34.8

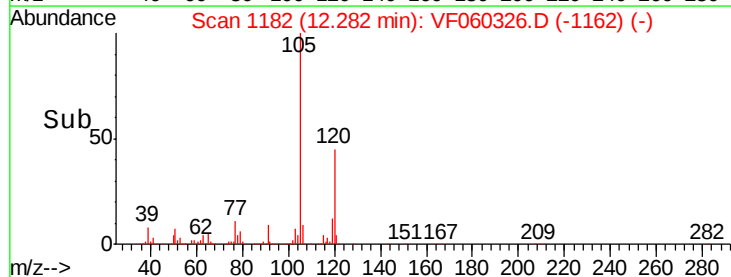
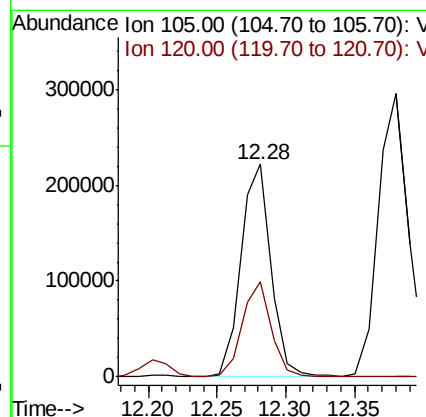
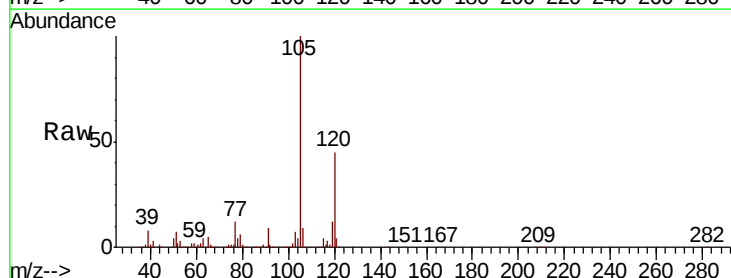
Manual Integrations
 APPROVED

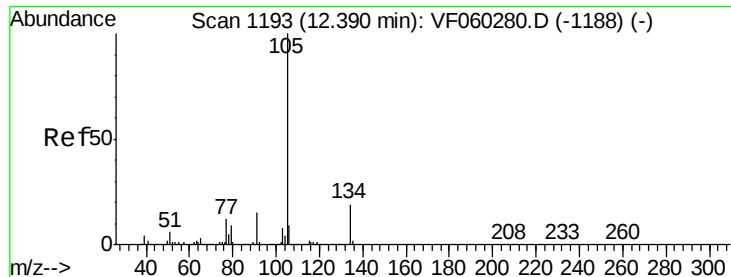
apatel
 9/26/2018 11:42:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.354 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	337544		
120	44.5		22.4	67.0





#85

sec-Butylbenzene

Concen: 20.712 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tot Ion:105 Resp: 449490

Ion Ratio Lower Upper

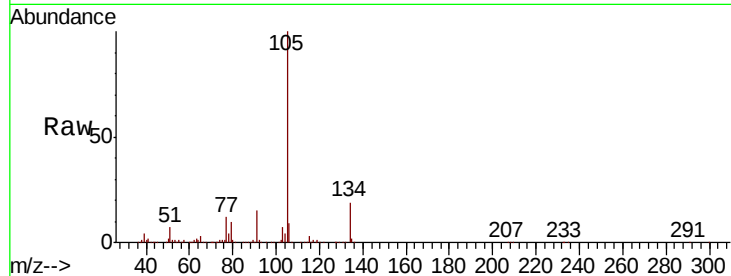
105 100

134 19.1 9.6 28.6

Manual Integrations
APPROVED

apatel

9/26/2018 11:42:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.38

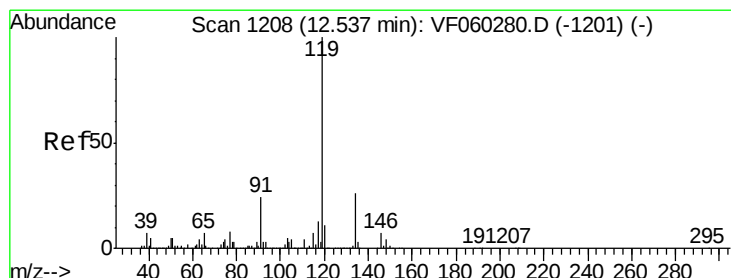
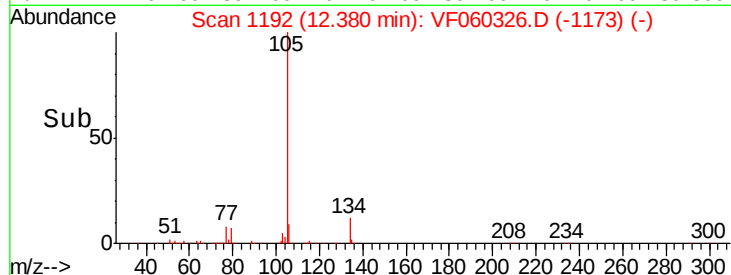
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.384 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

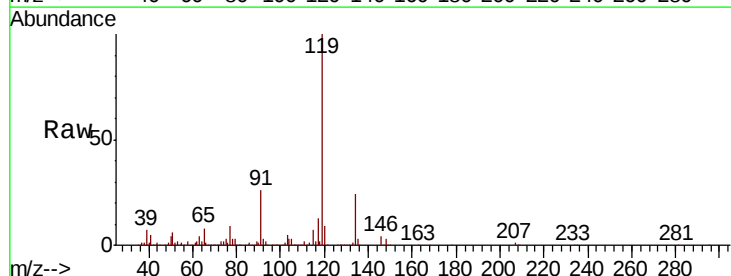
Tgt Ion:119 Resp: 363503

Ion Ratio Lower Upper

119 100

134 23.9 12.9 38.7

91 26.2 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.53

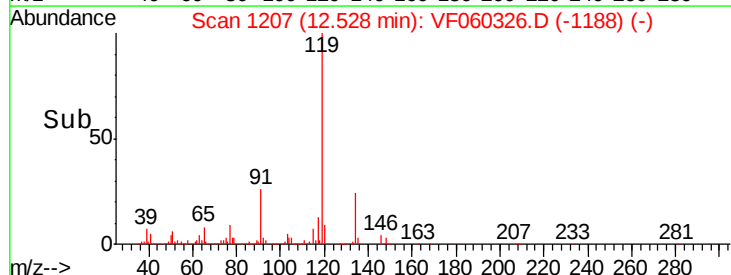
300000

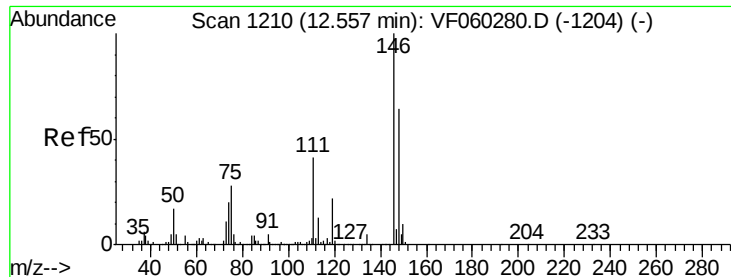
200000

100000

0

Time-->





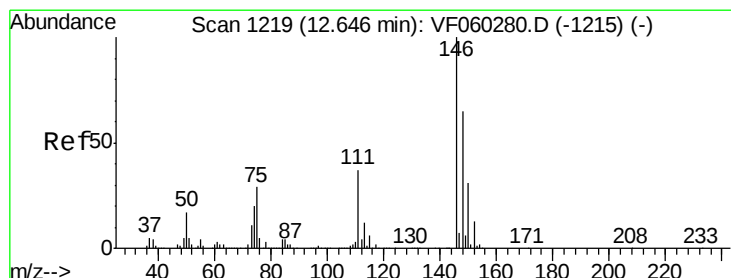
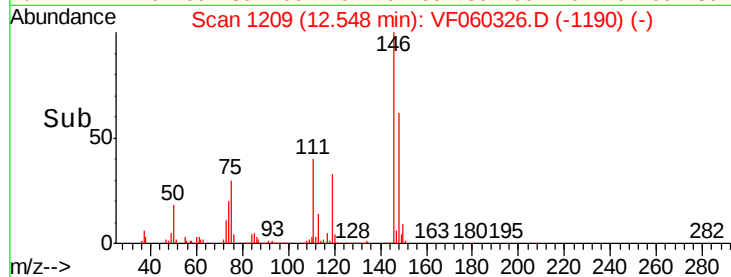
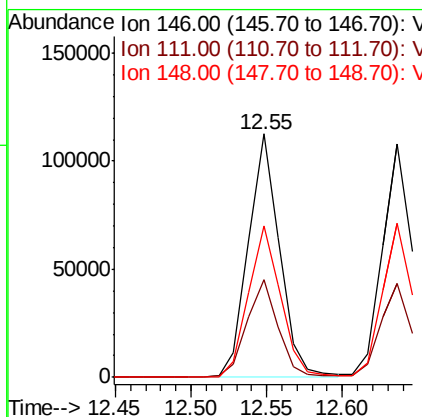
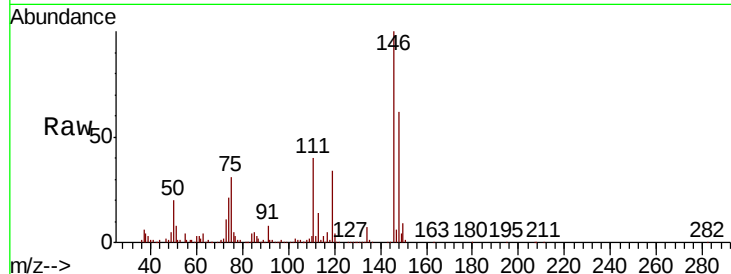
#87
 1,3-Dichlorobenzene
 Concen: 21.977 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.6
148	62.1	32.2	96.6

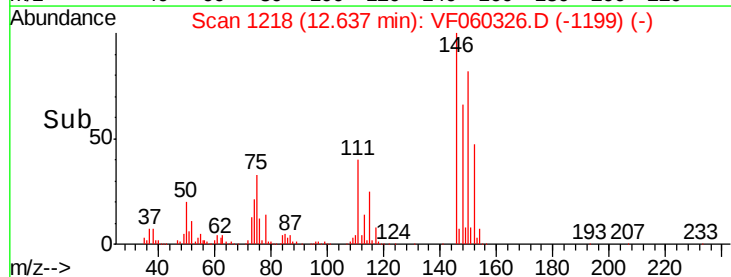
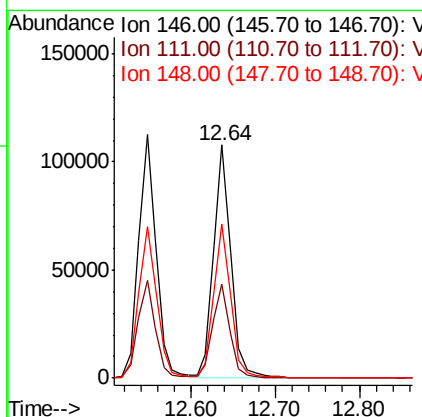
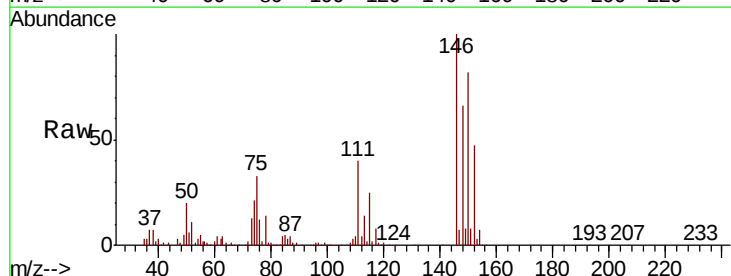
Manual Integrations
 APPROVED

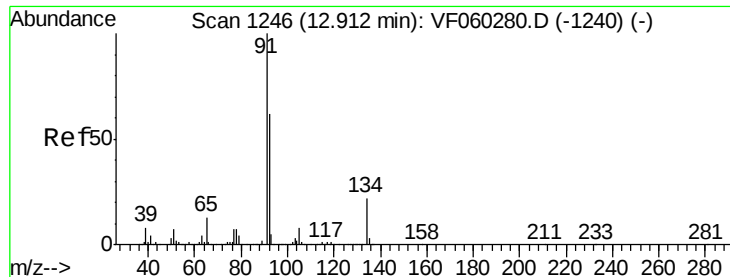
apatel
 9/26/2018 11:42:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.173 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.7	56.1
148	65.9	32.4	97.0





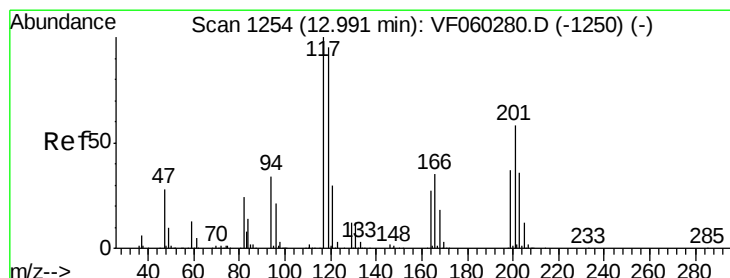
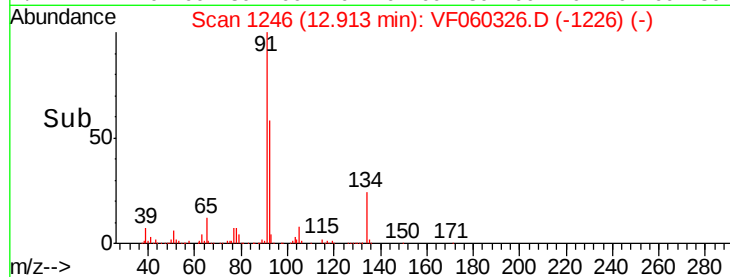
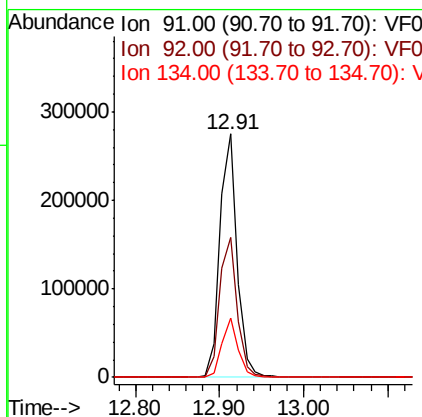
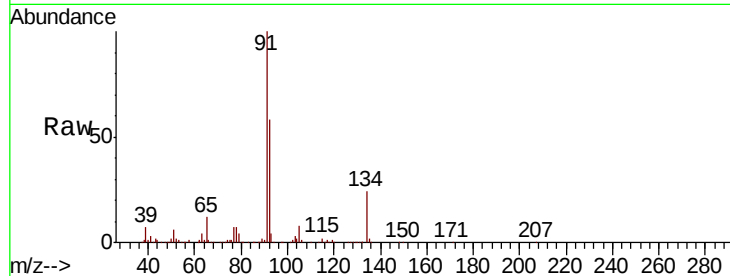
#89
n-Butylbenzene
Concen: 21.460 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	391908		
92	57.6		31.1	93.5
134	24.3		11.0	33.0

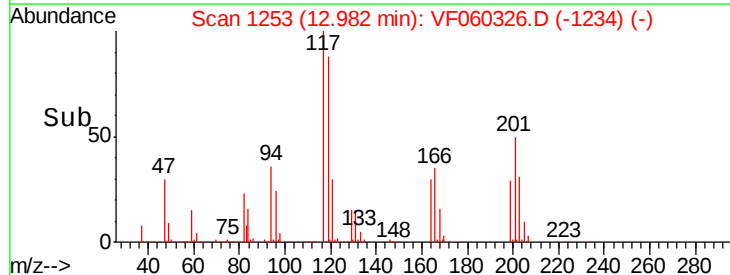
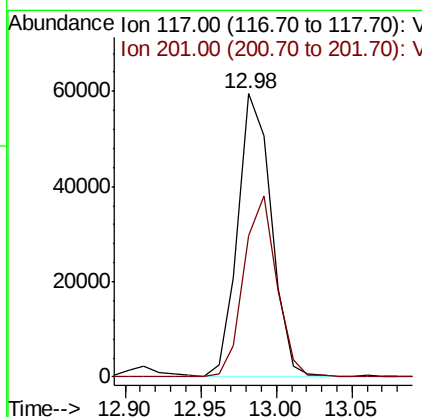
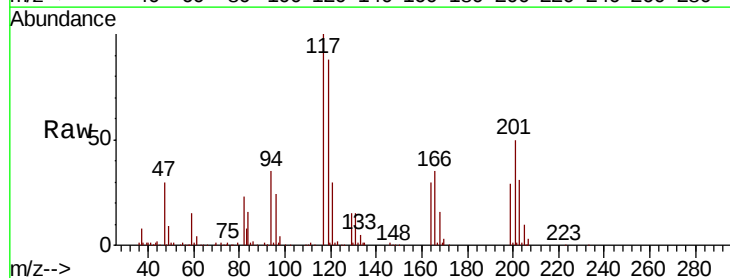
Manual Integrations
APPROVED

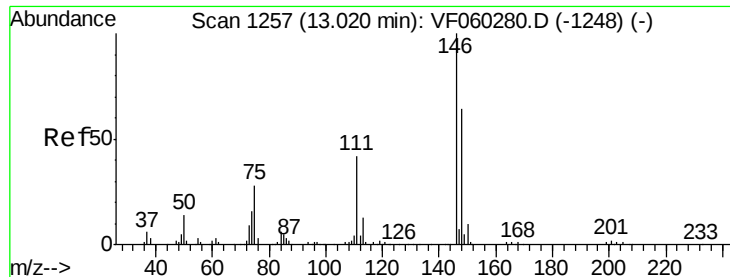
apatel
9/26/2018 11:42:16 AM



#90
Hexachloroethane
Concen: 21.863 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	92222		
201	49.7		29.0	87.0





#91

1,2-Dichlorobenzene

Concen: 22.166 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Instrument :

MSVOA_F

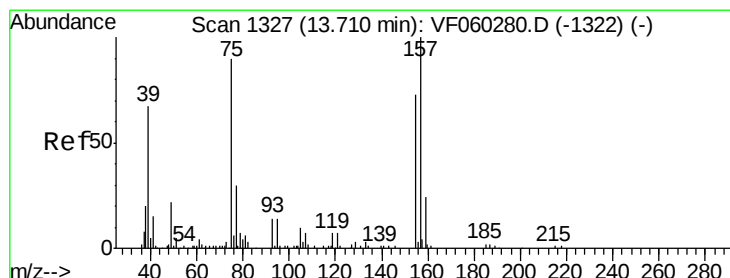
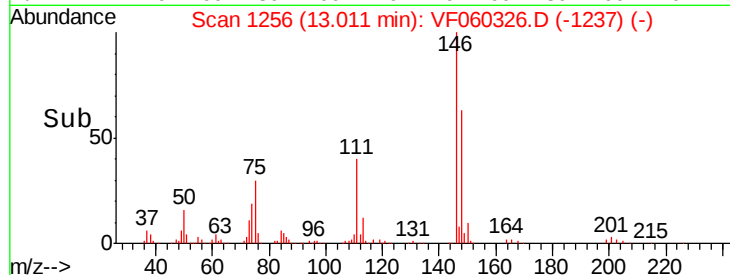
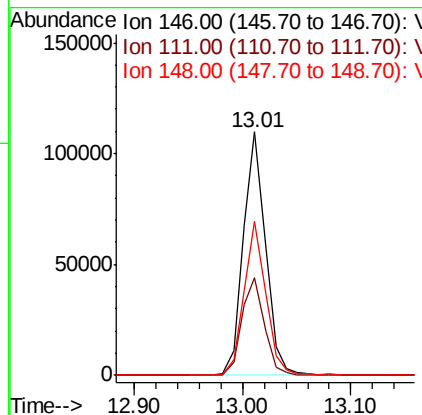
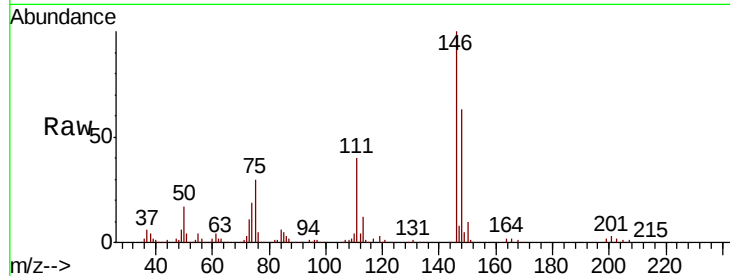
ClientSampleID :

VF0925SBS01

Tot Ion:	146	Resp:	157313
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.9	62.8
148	63.0	31.9	95.9

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.662 ug/l

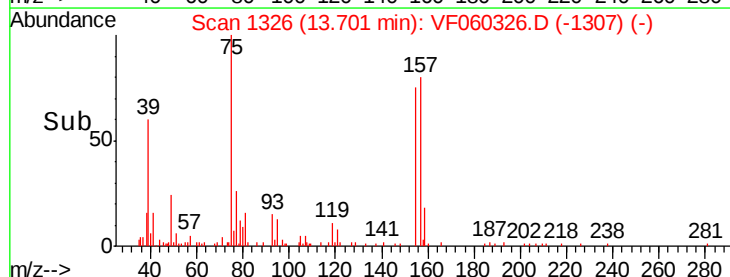
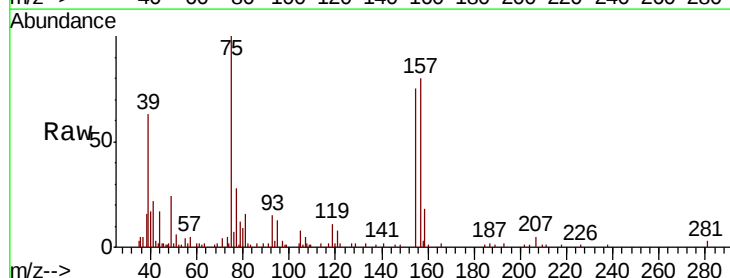
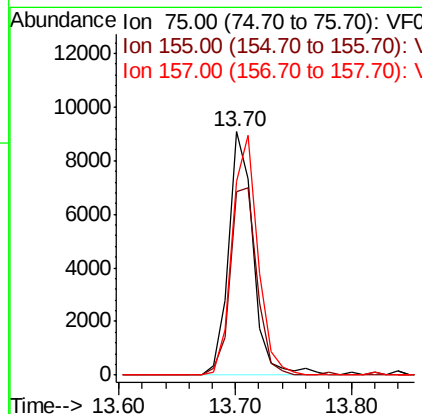
RT: 13.70 min Scan# 1326

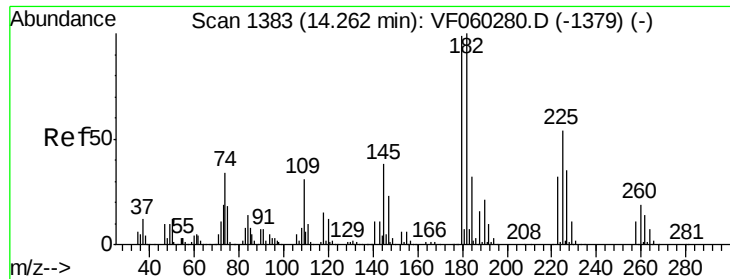
Delta R.T. -0.01 min

Lab File: VF060326.D

Acq: 25 Sep 2018 15:53

Tgt Ion:	75	Resp:	13315
Ion Ratio	Lower	Upper	
75	100		
155	75.2	41.9	125.7
157	79.6	57.4	172.0





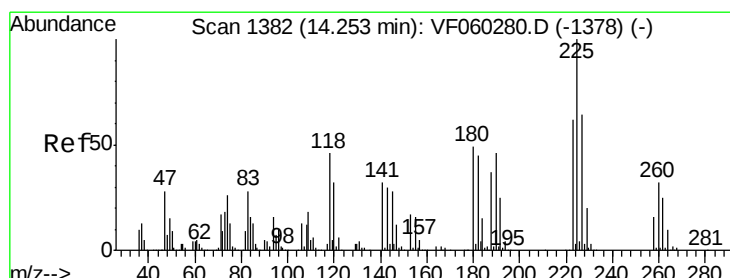
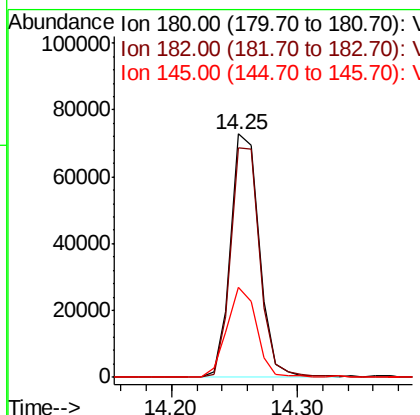
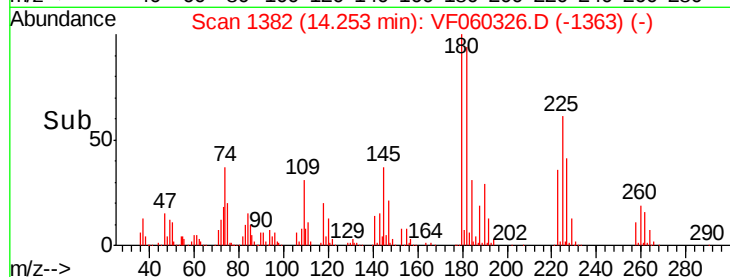
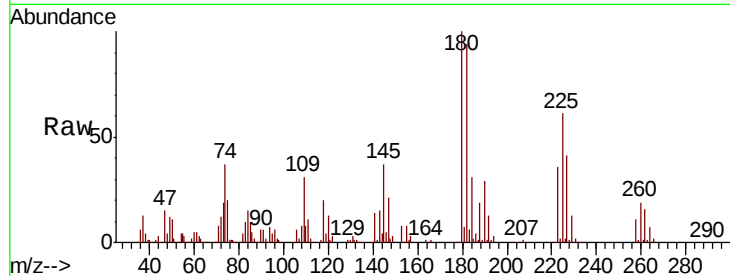
#93
 1,2,4-Trichlorobenzene
 Concen: 22.236 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114700		
182	94.3	50.3	151.0	
145	37.2	18.9	56.9	

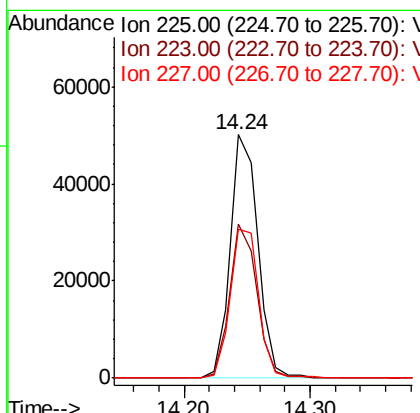
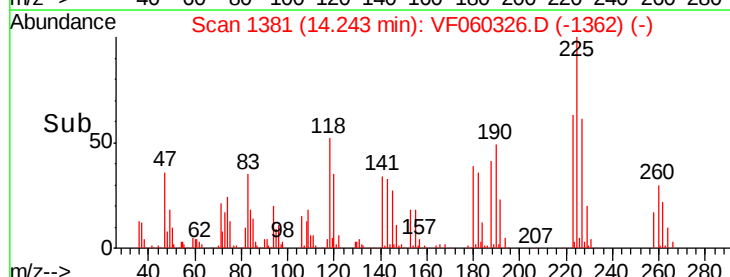
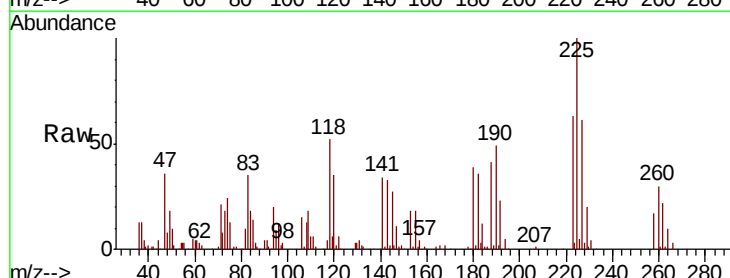
Manual Integrations
 APPROVED

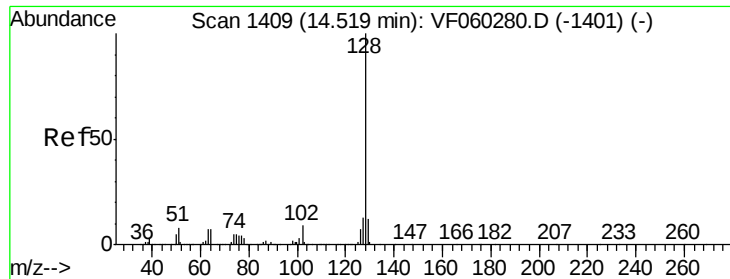
apatel
 9/26/2018 11:42:16 AM



#94
 Hexachlorobutadiene
 Concen: 21.657 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060326.D
 Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75517		
223	63.2	31.2	93.6	
227	61.2	32.2	96.6	





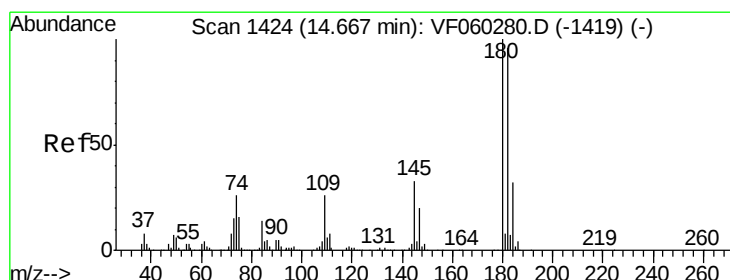
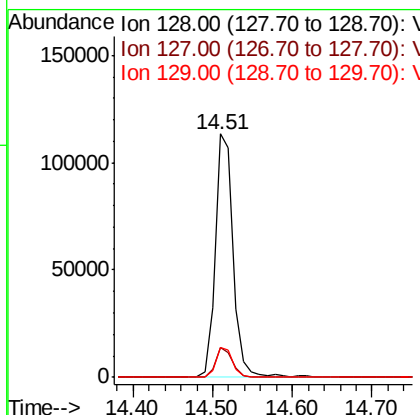
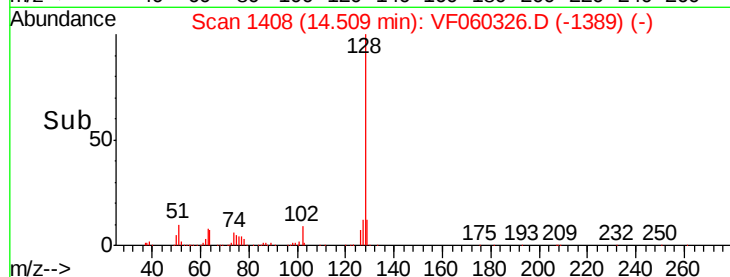
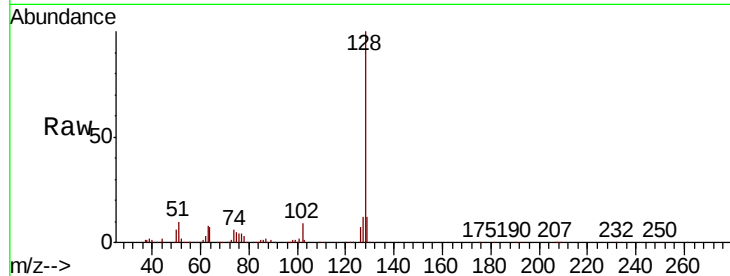
#95
Naphthalene
Concen: 19.878 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	12.4	9.8	14.8

Manual Integrations
APPROVED

apatel
9/26/2018 11:42:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.003 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VF060326.D
Acq: 25 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.8	143.4
145	33.9	16.4	49.1

