

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061268.D
 Acq On : 3 Jan 2019 16:43
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 1/4/2019 2:12:42 PM

Quant Time: Jan 04 03:01:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	204372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	365978	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	330759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	158095	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	245564	93.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	187.24%	
35) Dibromofluoromethane	4.12	113	260163	88.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	177.94%	
50) Toluene-d8	7.56	98	755812	90.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	181.36%	
62) 4-Bromofluorobenzene	11.41	95	323448	84.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	169.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	369459	83.270	ug/l	95
3) Chloromethane	1.10	50	266548	100.473	ug/l	94
4) Vinyl Chloride	1.15	62	242849	98.964	ug/l	96
5) Bromomethane	1.33	94	162573	95.866	ug/l	86
6) Chloroethane	1.39	64	107184	95.355	ug/l	93
7) Trichlorofluoromethane	1.48	101	439263m	95.196	ug/l	
8) Diethyl Ether	1.63	74	63245	100.879	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	208729	86.540	ug/l	97
10) Methyl Iodide	1.91	142	357255m	94.429	ug/l	
11) Tert butyl alcohol	2.58	59	52173	498.035	ug/l	96
12) 1,1-Dichloroethene	1.80	96	182371	100.871	ug/l	98
13) Acrolein	2.00	56	42422	539.850	ug/l	98
14) Allyl chloride	2.09	41	272544	132.117	ug/l	96
15) Acrylonitrile	2.94	53	123914	500.893	ug/l	98
16) Acetone	2.24	43	219590	439.624	ug/l	100
17) Carbon Disulfide	1.84	76	559261m	100.919	ug/l	
18) Methyl Acetate	2.35	43	89764	82.614	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	387960	98.193	ug/l	98
20) Methylene Chloride	2.18	84	182535m	91.625	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	193301	98.309	ug/l	98
22) Diisopropyl ether	2.80	45	653833	103.506	ug/l	97
23) Vinyl Acetate	3.19	43	1423486	493.785	ug/l	99
24) 1,1-Dichloroethane	2.87	63	366947	97.709	ug/l	99
25) 2-Butanone	4.34	43	402454	473.607	ug/l #	89
26) 2,2-Dichloropropane	3.60	77	215193	99.186	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	282325	94.921	ug/l	96
28) Bromochloromethane	3.72	49	177195	95.064	ug/l	92
29) Tetrahydrofuran	4.08	42	161989	467.317	ug/l	96
30) Chloroform	3.86	83	506764	91.187	ug/l	98
31) Cyclohexane	3.69	56	376084m	95.603	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	314858	90.779	ug/l	98
36) 1,1-Dichloropropene	4.28	75	392582	88.690	ug/l	97
37) Ethyl Acetate	4.12	43	154041	86.192	ug/l #	76
38) Carbon Tetrachloride	4.00	117	312253	91.464	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061268.D
 Acq On : 3 Jan 2019 16:43
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 1/4/2019 2:12:42 PM

Quant Time: Jan 04 03:01:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	426332	104.831	ug/l	94
40) Benzene	4.64	78	863686	90.122	ug/l	98
41) Methacrylonitrile	4.76	41	85120	92.939	ug/l	97
42) 1,2-Dichloroethane	4.94	62	314331	89.242	ug/l	99
43) Isopropyl Acetate	6.97	43	211177	98.965	ug/l #	97
44) Trichloroethene	5.51	130	268498	90.199	ug/l	97
45) 1,2-Dichloropropane	6.24	63	232663	89.769	ug/l	98
46) Dibromomethane	6.09	93	162645	98.240	ug/l	97
47) Bromodichloromethane	6.39	83	394335	92.019	ug/l	99
48) Methyl methacrylate	6.72	41	148809	99.949	ug/l	95
49) 1,4-Dioxane	6.71	88	20149	1898.342	ug/l #	86
51) 4-Methyl-2-Pentanone	8.26	43	664621	455.451	ug/l	100
52) Toluene	7.63	92	568702	89.774	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	304899	87.299	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	402248	91.611	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	179930	95.601	ug/l	98
56) Ethyl methacrylate	8.62	69	181523	89.307	ug/l	91
57) 1,3-Dichloropropane	8.86	76	311987	91.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	130460	352.095	ug/l	91
59) 2-Hexanone	9.50	43	505626	481.989	ug/l	98
60) Dibromochloromethane	8.72	129	253429	95.393	ug/l	93
61) 1,2-Dibromoethane	9.00	107	188490	94.161	ug/l	93
64) Tetrachloroethene	8.16	164	240025	93.407	ug/l	98
65) Chlorobenzene	9.81	112	611835	88.525	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	251307	88.943	ug/l	98
67) Ethyl Benzene	9.91	91	1086958	85.850	ug/l	96
68) m/p-Xylenes	10.14	106	799136	180.551	ug/l	92
69) o-Xylene	10.71	106	447596	90.366	ug/l	97
70) Styrene	10.79	104	593610	86.702	ug/l	99
71) Bromoform	10.77	173	122639	94.224	ug/l #	97
73) Isopropylbenzene	11.13	105	1199673	87.983	ug/l	98
74) N-amyl acetate	11.38	43	319229	104.814	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	213326	95.330	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	159121	95.474	ug/l	96
77) Bromobenzene	11.50	156	260214	89.184	ug/l	90
78) n-propylbenzene	11.60	91	1371850	85.616	ug/l	94
79) 2-Chlorotoluene	11.72	91	821780	88.315	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	959815	86.119	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.87	75	70205m	96.479	ug/l	
82) 4-Chlorotoluene	11.91	91	815824	84.367	ug/l	96
83) tert-Butylbenzene	12.13	119	969594	84.614	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	972500	87.488	ug/l	93
85) sec-Butylbenzene	12.31	105	1332555	88.417	ug/l	95
86) p-Isopropyltoluene	12.46	119	1107949	88.403	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	487734	88.216	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	488080	90.068	ug/l	97
89) n-Butylbenzene	12.85	91	1072599	82.865	ug/l	95
90) Hexachloroethane	12.92	117	295706	95.593	ug/l	80
91) 1,2-Dichlorobenzene	12.94	146	462532	88.862	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	43316	106.575	ug/l	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
Data File : VF061268.D
Acq On : 3 Jan 2019 16:43
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

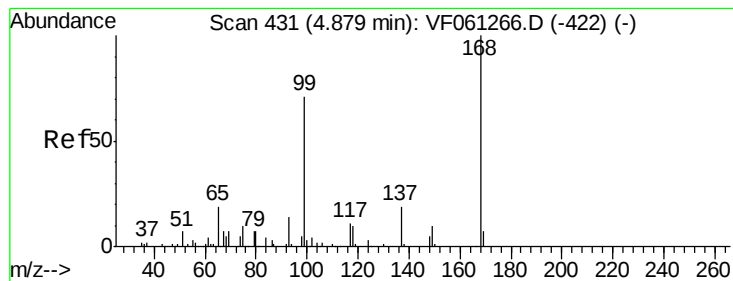
Manual Integrations
APPROVED

apatel
1/4/2019 2:12:42 PM

Quant Time: Jan 04 03:01:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	333343	89.864	ug/l	97
94) Hexachlorobutadiene	14.20	225	216574	91.710	ug/l	96
95) Naphthalene	14.46	128	684857	102.186	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	331058	97.561	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 204372

Ion Ratio Lower Upper

168 100

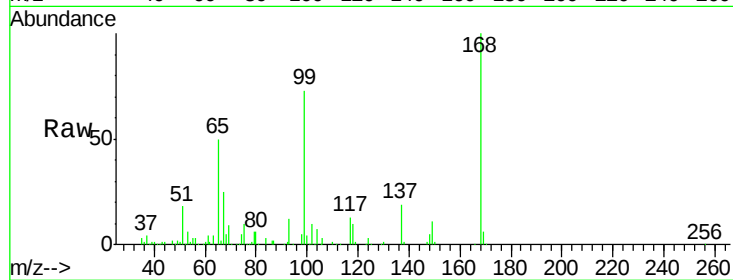
99 73.3 57.0 85.6

Manual Integrations

APPROVED

apatel

1/4/2019 2:12:42 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

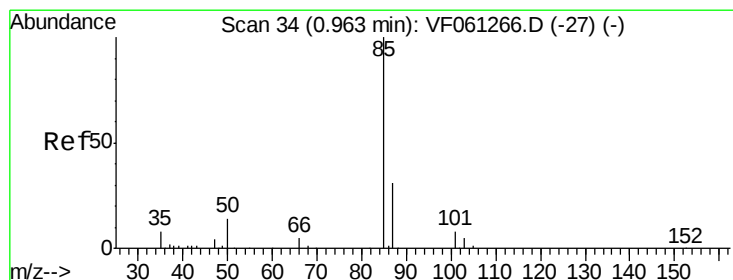
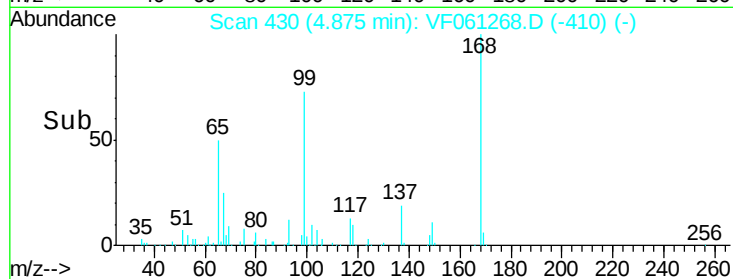
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 83.270 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061268.D

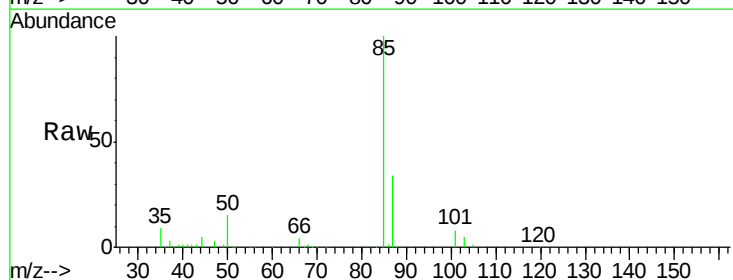
Acq: 3 Jan 2019 16:43

Tgt Ion: 85 Resp: 369459

Ion Ratio Lower Upper

85 100

87 34.1 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

100000

80000

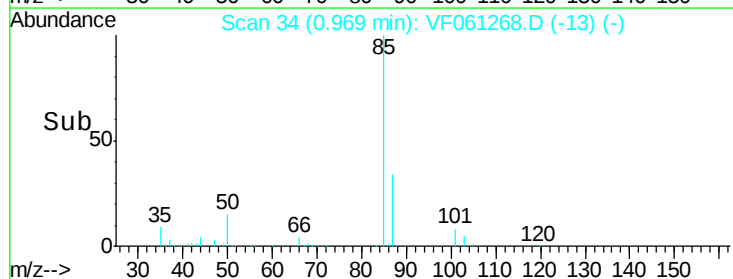
60000

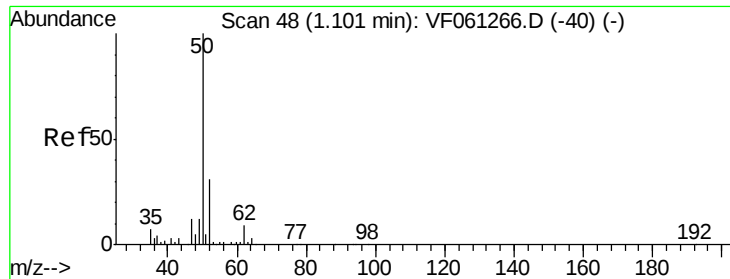
40000

20000

0

Time-->





#3

Chloromethane

Concen: 100.473 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 266548

Ion Ratio Lower Upper

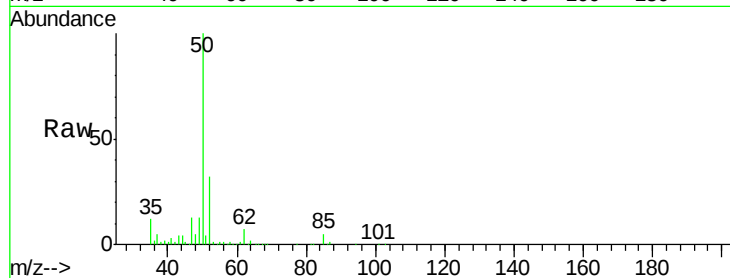
50 100

52 32.4 23.4 35.2

Manual Integrations
APPROVED

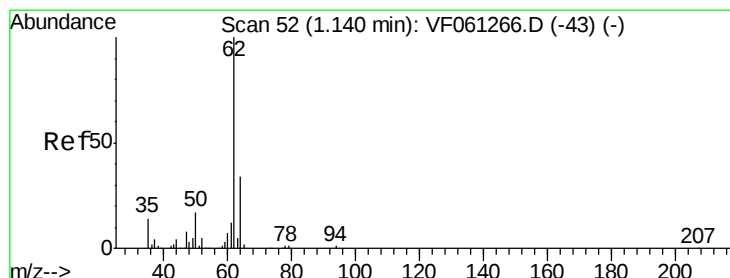
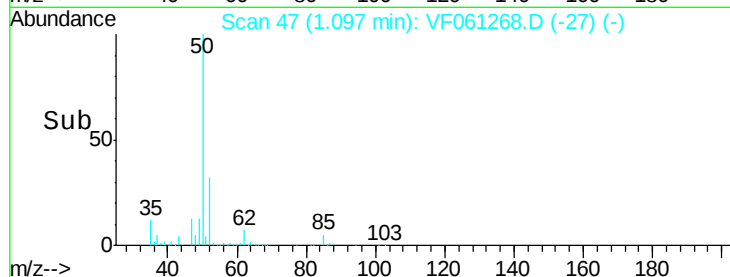
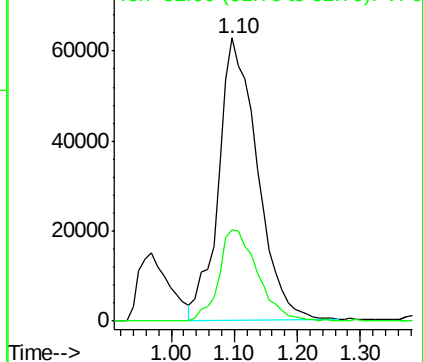
apatel

1/4/2019 2:12:42 PM



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 98.964 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061268.D

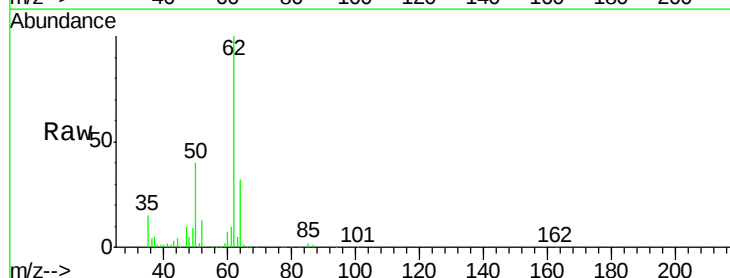
Acq: 3 Jan 2019 16:43

Tgt Ion: 62 Resp: 242849

Ion Ratio Lower Upper

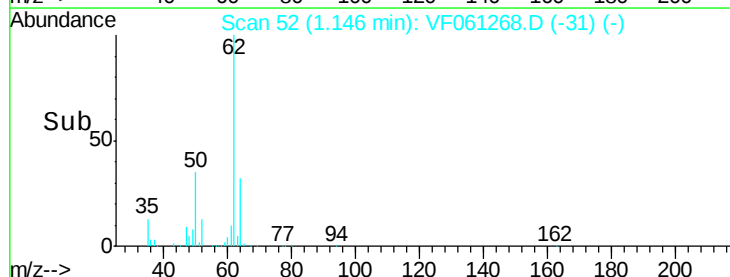
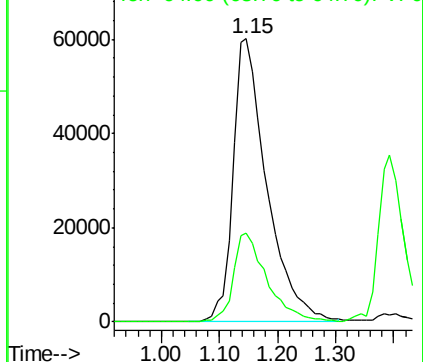
62 100

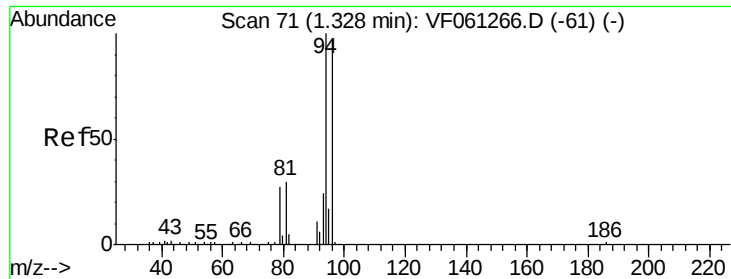
64 31.6 26.9 40.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 95.866 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tot Ion: 94 Resp: 162573

Ion Ratio Lower Upper

94 100

96 83.1 77.2 115.8

Instrument :

MSVOA_F

ClientSampleId :

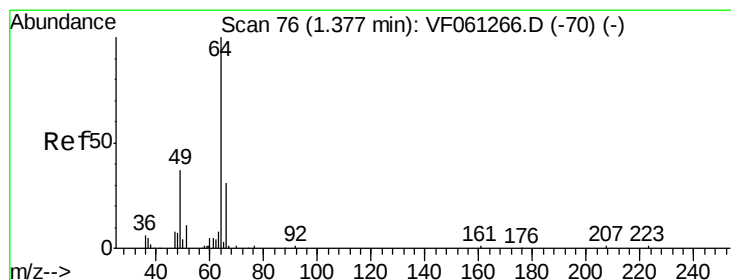
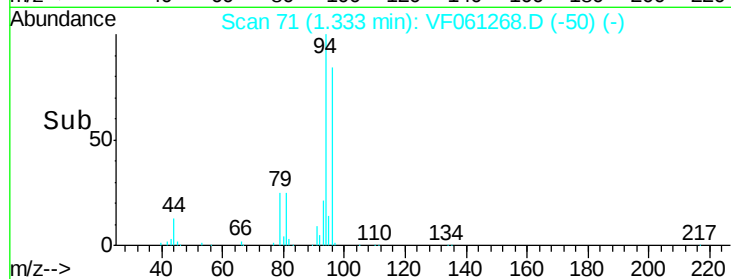
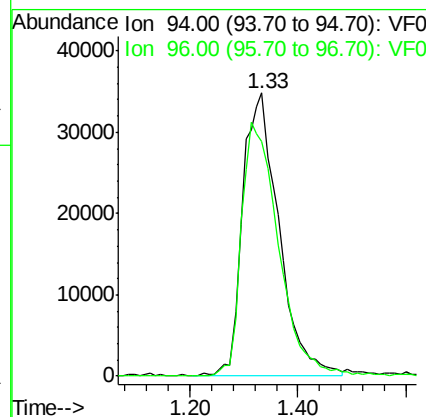
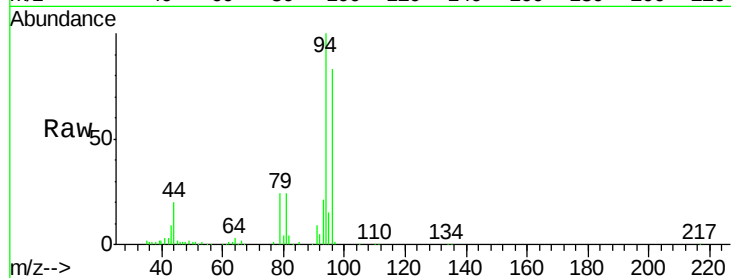
VSTDIC100

Manual Integrations

APPROVED

apatel

1/4/2019 2:12:42 PM



#6

Chloroethane

Concen: 95.355 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.02 min

Lab File: VF061268.D

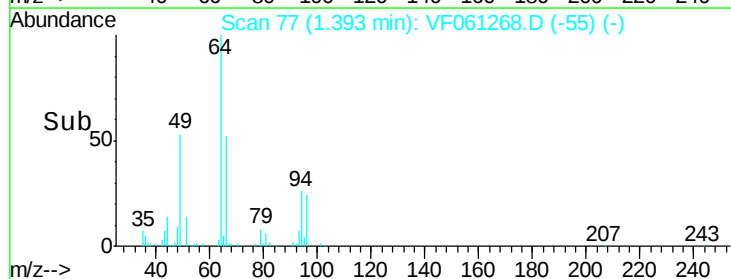
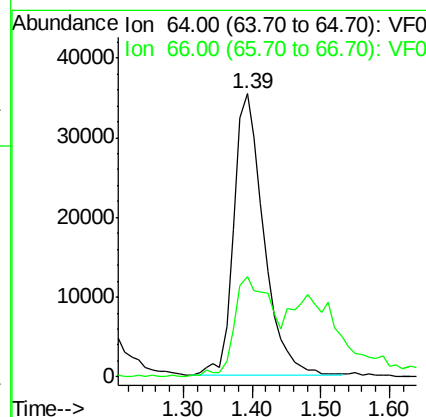
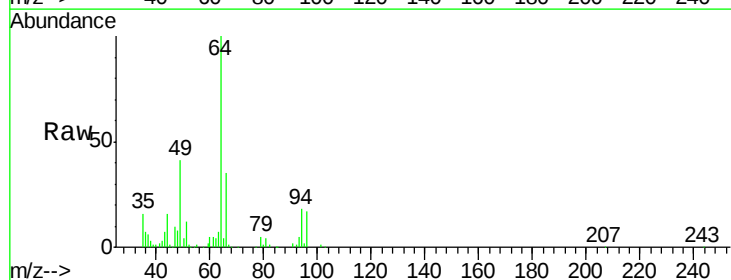
Acq: 3 Jan 2019 16:43

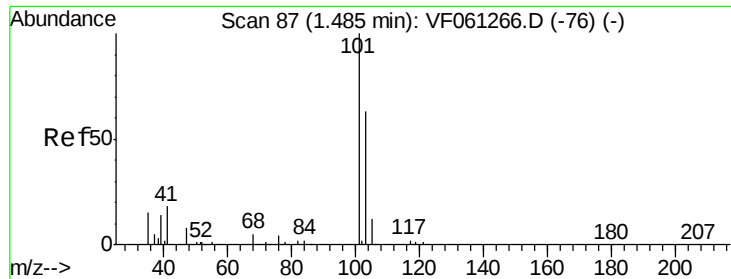
Tgt Ion: 64 Resp: 107184

Ion Ratio Lower Upper

64 100

66 35.3 25.2 37.8





#7

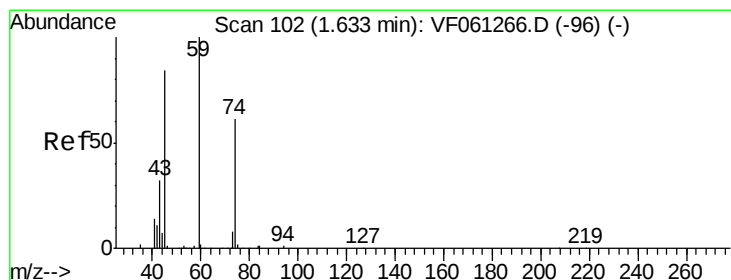
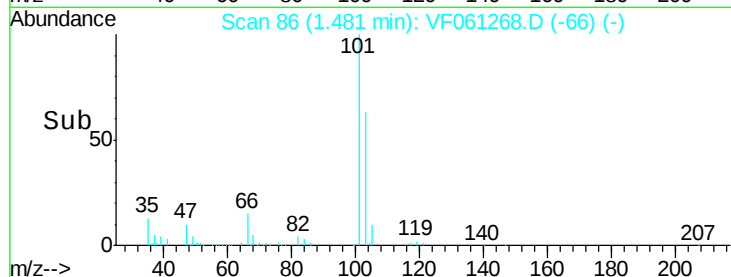
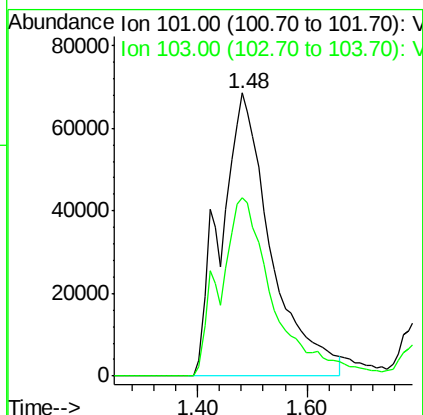
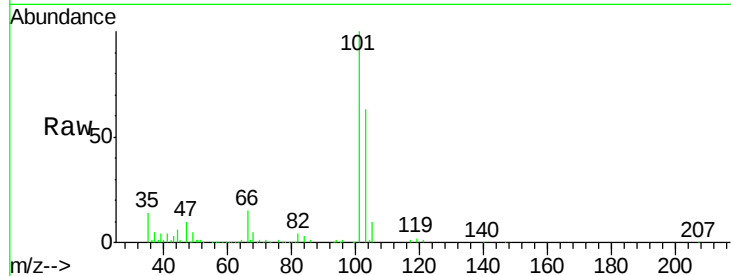
Trichlorofluoromethane
Concen: 95.196 ug/l m
RT: 1.48 min Scan# 86
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.3	75.5

Manual Integrations
APPROVED

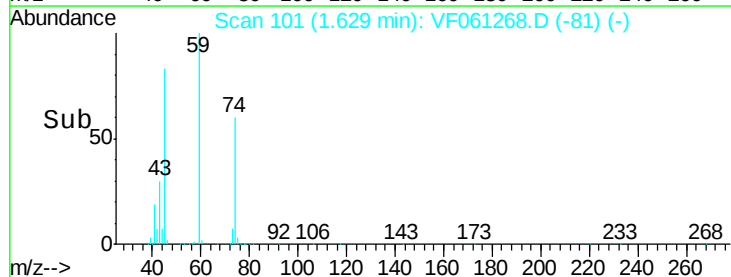
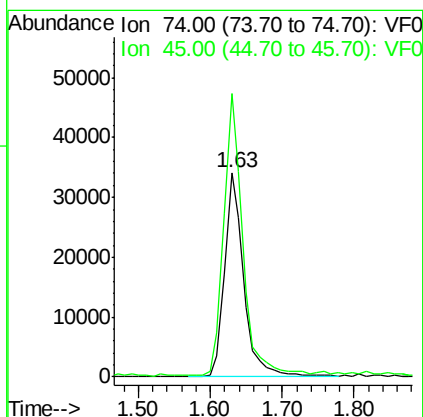
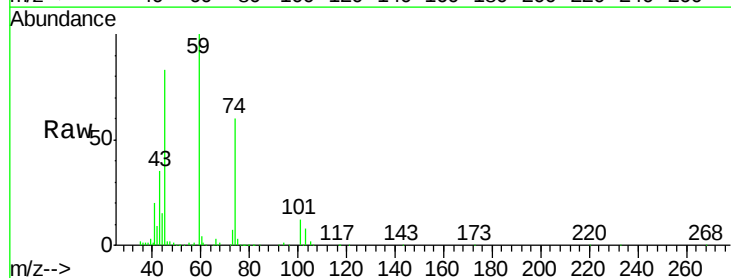
apatel
1/4/2019 2:12:42 PM

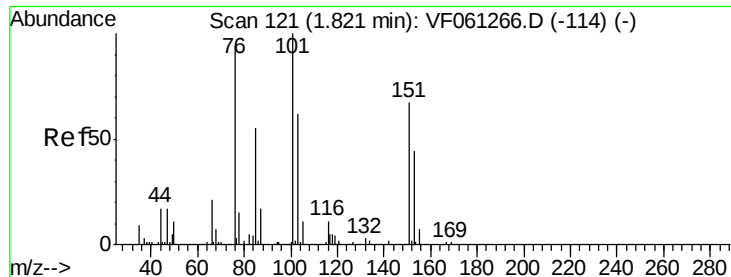


#8

Diethyl Ether
Concen: 100.879 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.6	69.0	207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 86.540 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.02 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

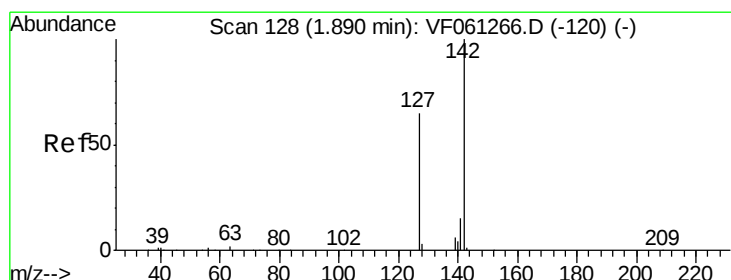
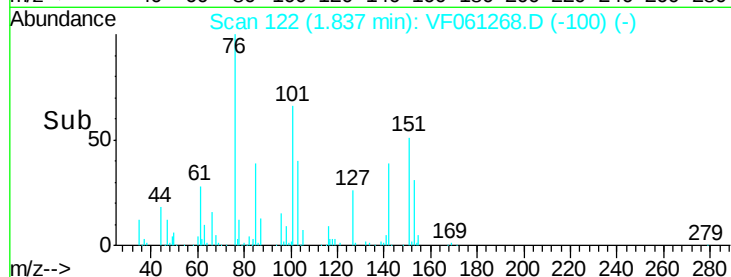
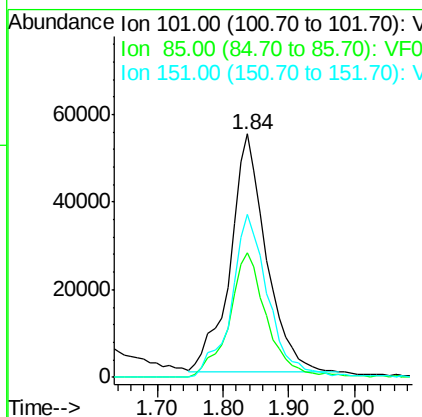
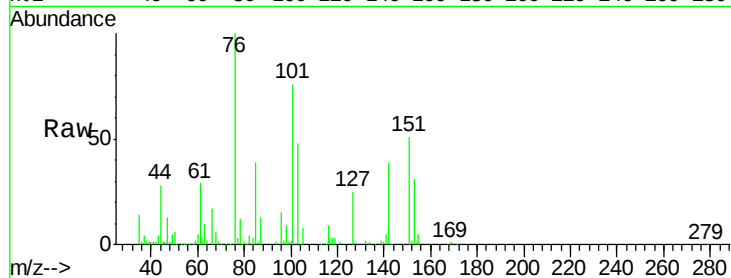
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	208729
Ion Ratio	Lower	Upper	
101	100		
85	51.1	42.9	64.3
151	66.8	52.4	78.6

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:42 PM



#10

Methyl Iodide

Concen: 94.429 ug/l m

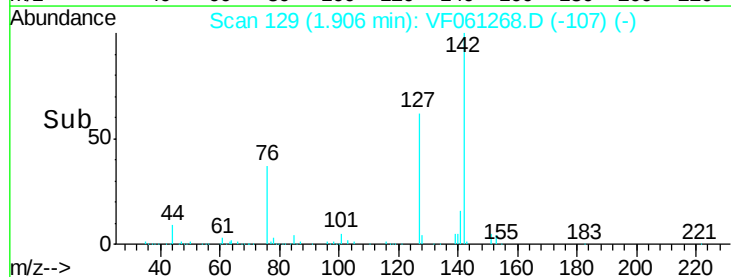
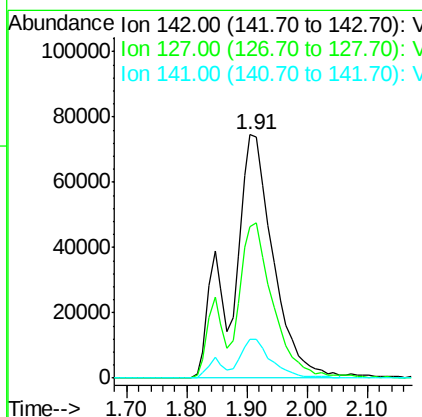
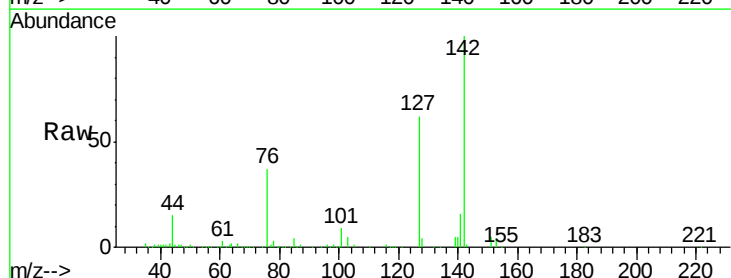
RT: 1.91 min Scan# 129

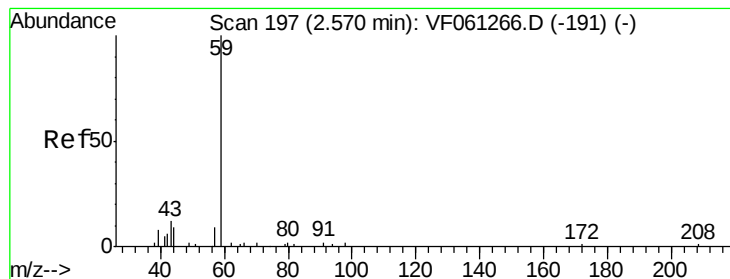
Delta R.T. 0.02 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tgt Ion:	142	Resp:	357255
Ion Ratio	Lower	Upper	
142	100		
127	62.3	52.3	78.5
141	15.9	12.2	18.4





#11

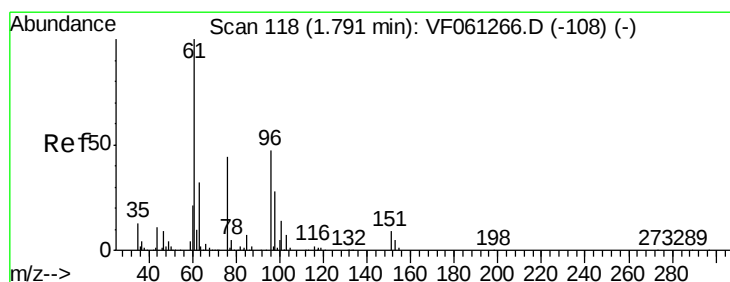
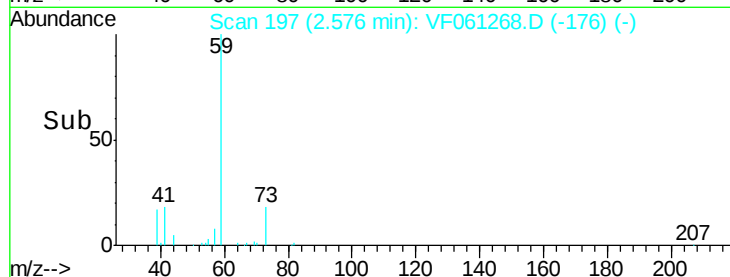
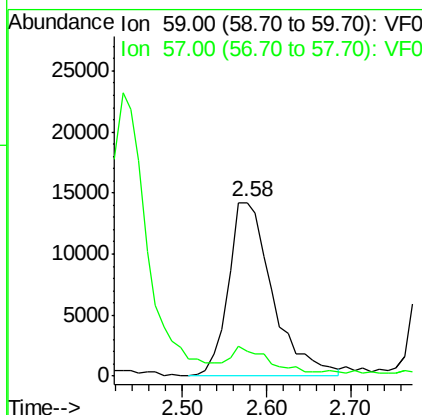
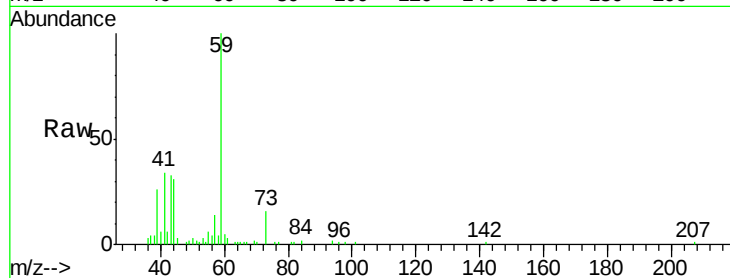
Tert butyl alcohol
Concen: 498.035 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampled :
VSTDIC100

Tot Ion	59	Resp	52173
Ion Ratio	100	Lower	Upper
57	14.0	12.6	18.8

Manual Integrations
APPROVED

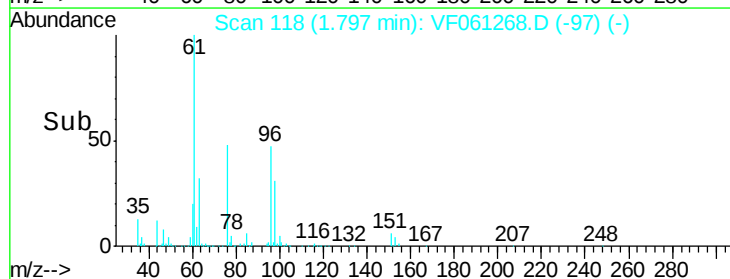
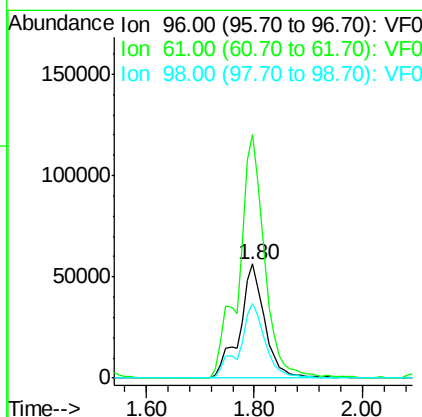
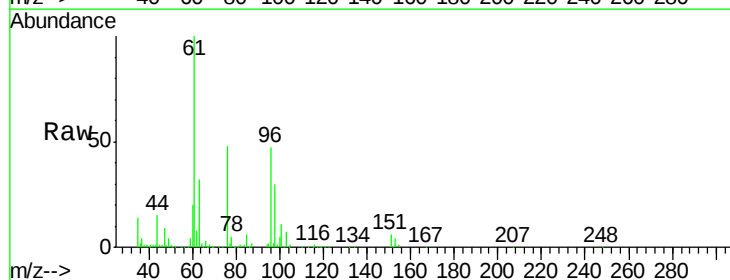
apatel
1/4/2019 2:12:42 PM

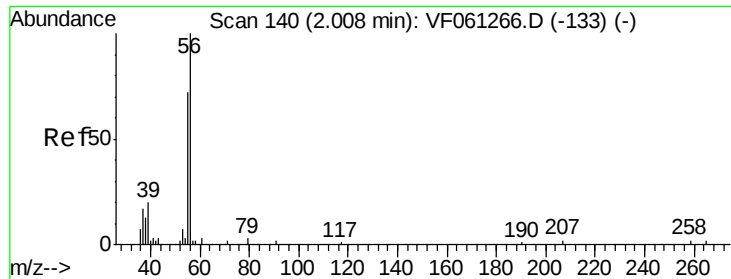


#12

1,1-Dichloroethene
Concen: 100.871 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion	96	Resp	182371
Ion Ratio	100	Lower	Upper
61	213.4	171.6	257.4
98	65.0	48.6	72.8





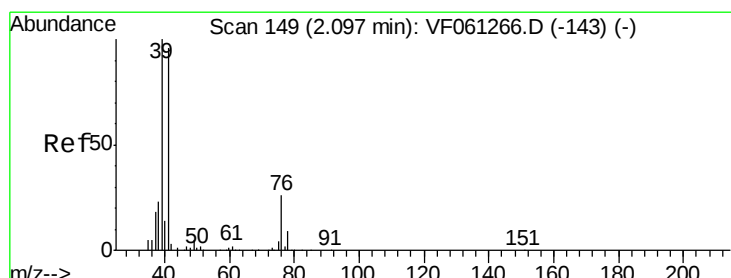
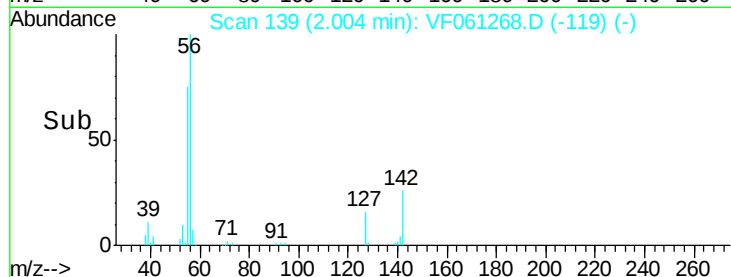
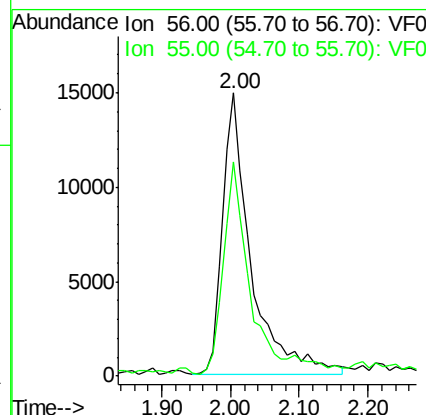
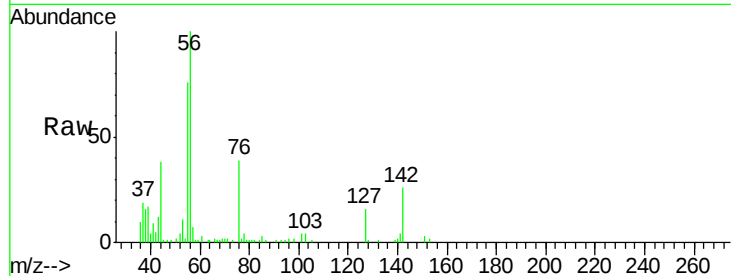
#13
Acrolein
Concen: 539.850 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	42422
Ion Ratio	100	Lower	Upper
55	75.9	59.7	89.5

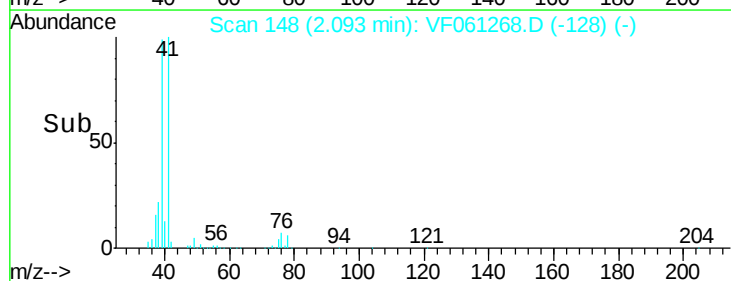
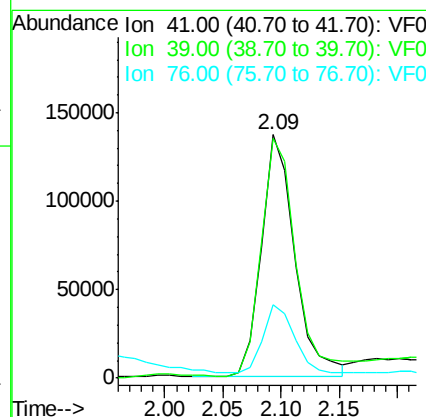
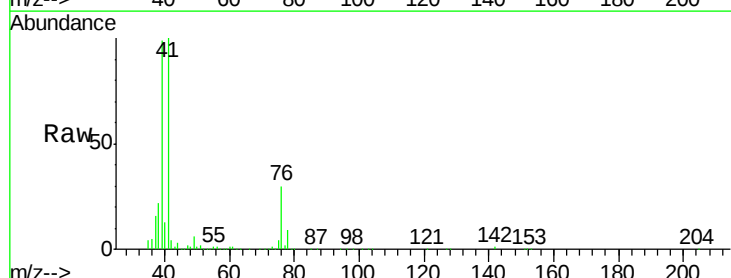
Manual Integrations
APPROVED

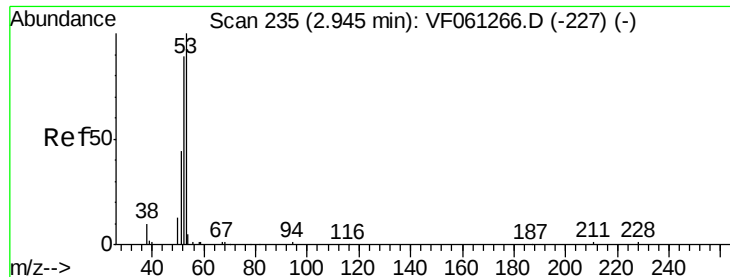
apatel
1/4/2019 2:12:42 PM



#14
Allyl chloride
Concen: 132.117 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion	41	Resp	272544
Ion Ratio	100	Lower	Upper
39	98.5	83.4	125.2
76	29.9	23.9	35.9





#15

Acrylonitrile

Concen: 500.893 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

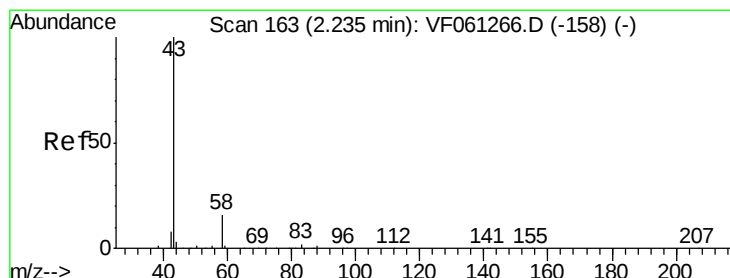
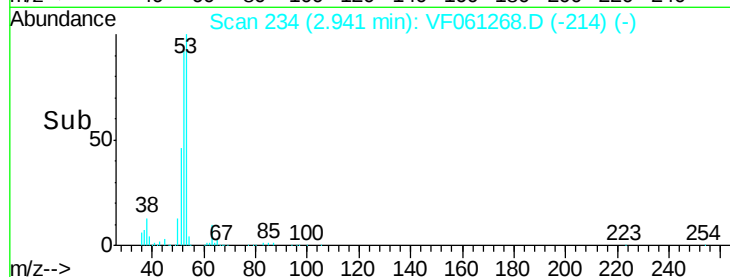
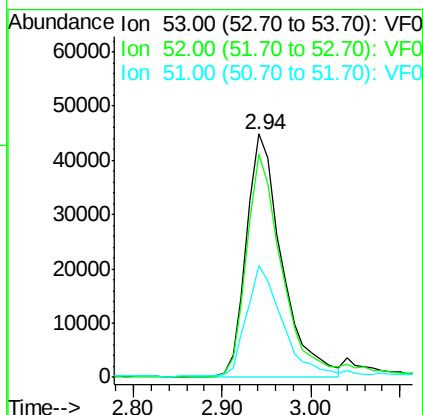
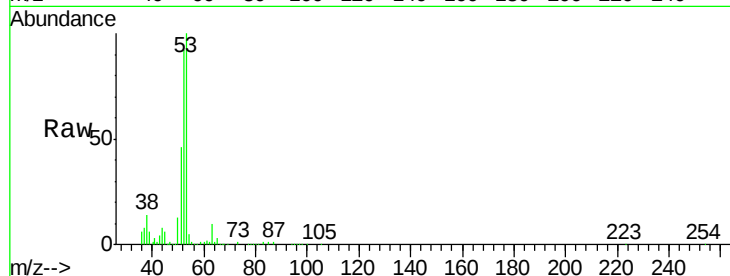
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	123914
Ion	Ratio	Lower	Upper
53	100		
52	91.8	71.3	106.9
51	46.0	36.2	54.4

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:42 PM



#16

Acetone

Concen: 439.624 ug/l

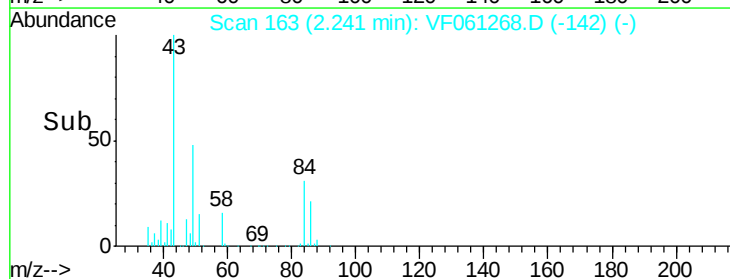
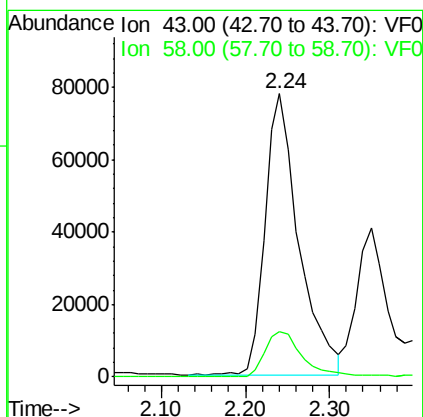
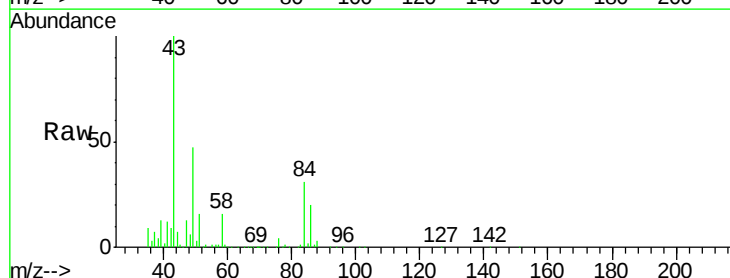
RT: 2.24 min Scan# 163

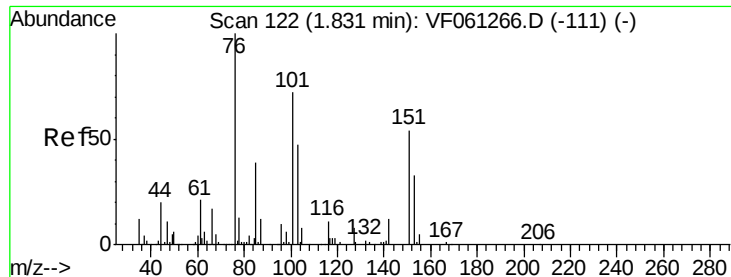
Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tgt Ion:	43	Resp:	219590
Ion	Ratio	Lower	Upper
43	100		
58	16.1	13.0	19.4





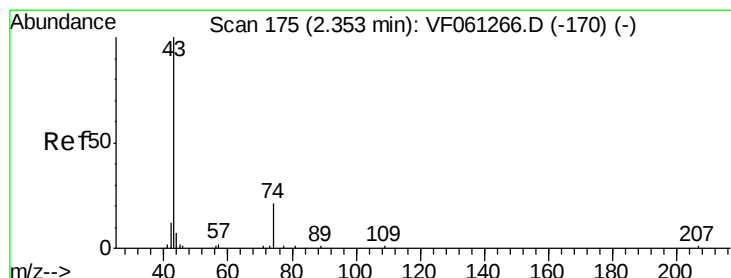
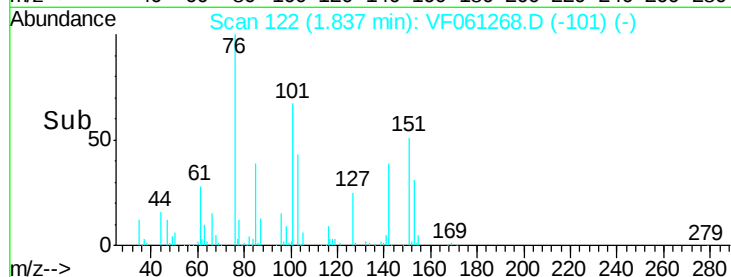
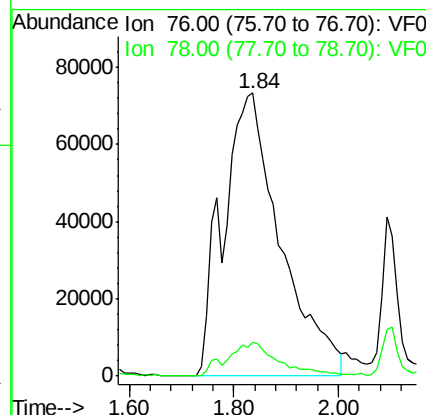
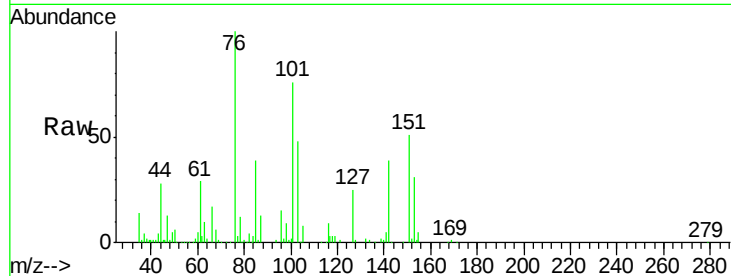
#17
Carbon Disulfide
Concen: 100.919 ug/l m
RT: 1.84 min Scan# 122
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion: 76 Resp: 559261
Ion Ratio Lower Upper
76 100
78 12.2 10.2 15.4

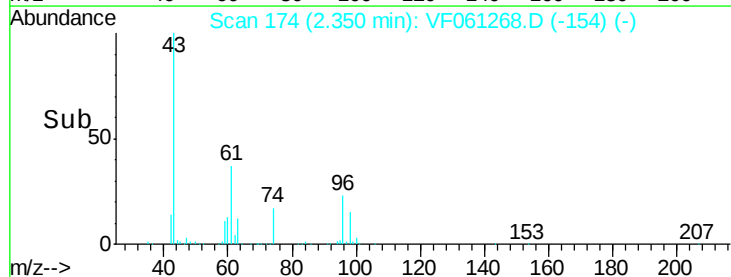
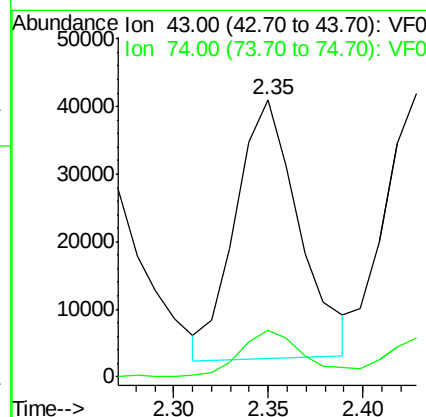
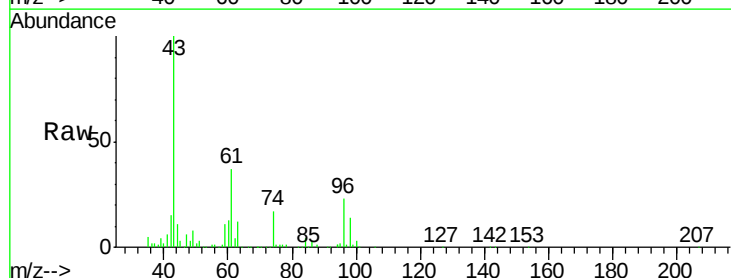
Manual Integrations
APPROVED

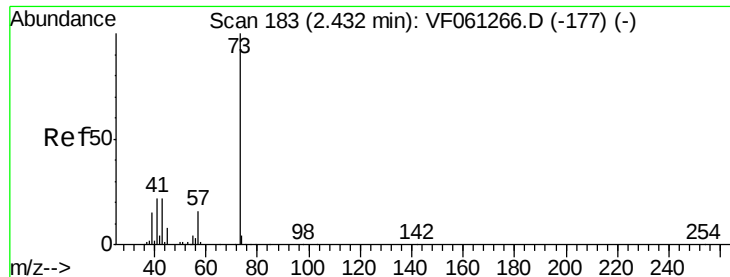
apatel
1/4/2019 2:12:42 PM



#18
Methyl Acetate
Concen: 82.614 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion: 43 Resp: 89764
Ion Ratio Lower Upper
43 100
74 16.9 14.4 21.6





#19

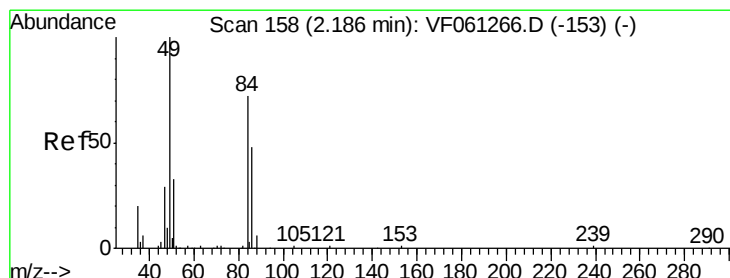
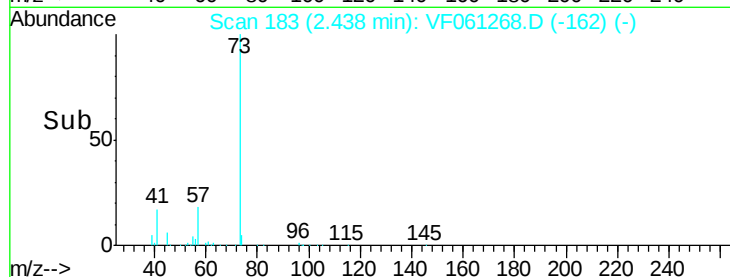
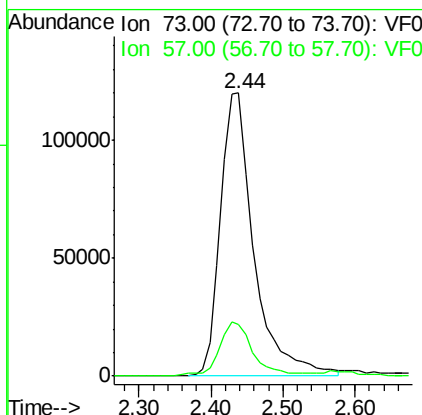
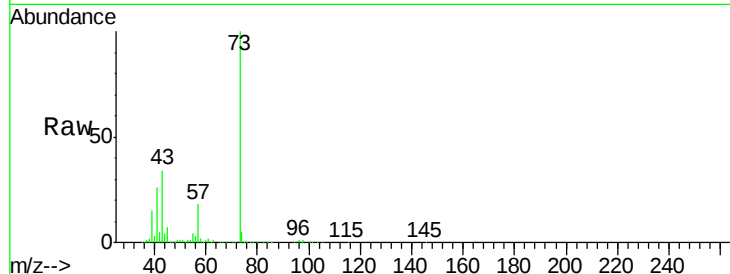
Methyl tert-butyl Ether
 Concen: 98.193 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	73	Resp	387960
Ion Ratio	Lower	Upper	
73	100		
57	18.2	14.0	21.0

Manual Integrations
 APPROVED

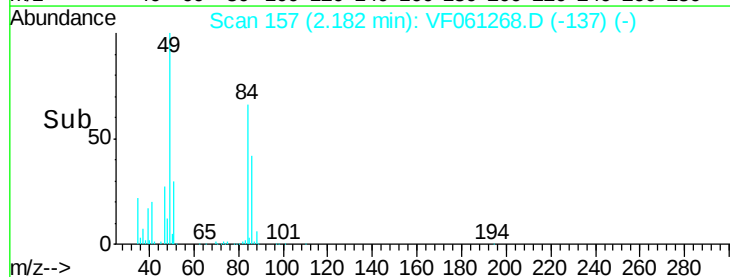
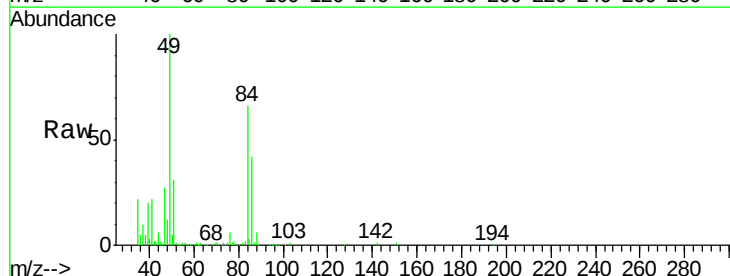
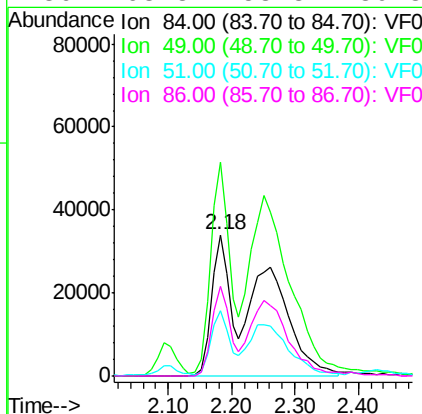
apatel
 1/4/2019 2:12:42 PM

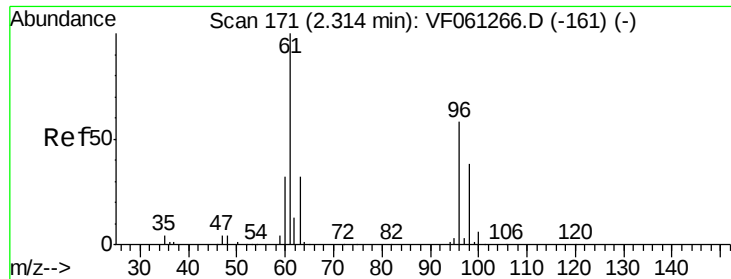


#20

Methylene Chloride
 Concen: 91.625 ug/l m
 RT: 2.18 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Tgt Ion	84	Resp	182535
Ion Ratio	Lower	Upper	
84	100		
49	151.6	112.9	169.3
51	46.8	37.9	56.9
86	63.8	53.8	80.8





#21

trans-1,2-Dichloroethene

Concen: 98.309 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

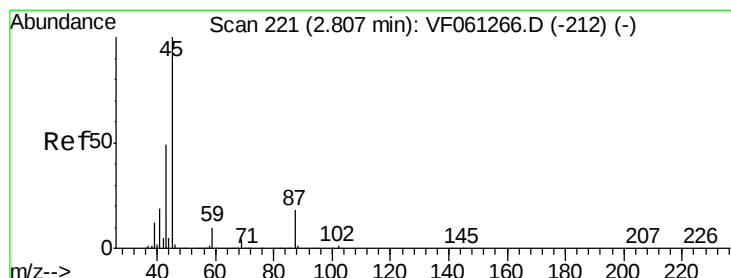
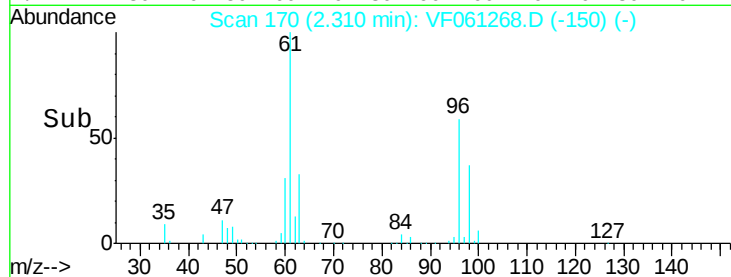
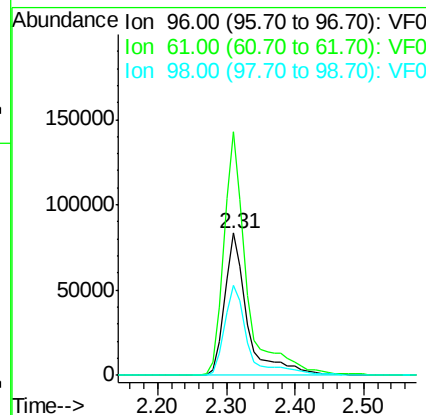
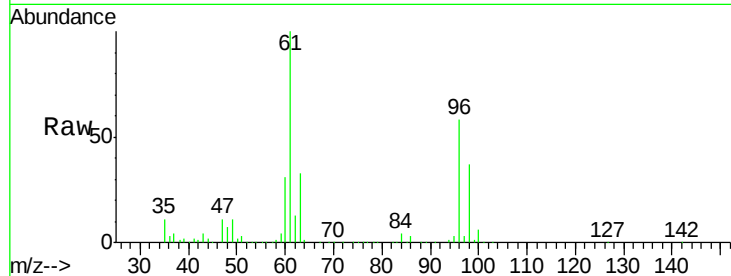
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	193301
Ion	Ratio	Lower	Upper
96	100		
61	171.1	139.3	208.9
98	63.3	52.6	78.8

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:42 PM



#22

Diisopropyl ether

Concen: 103.506 ug/l

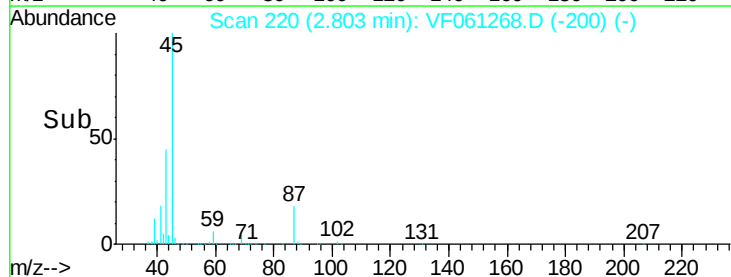
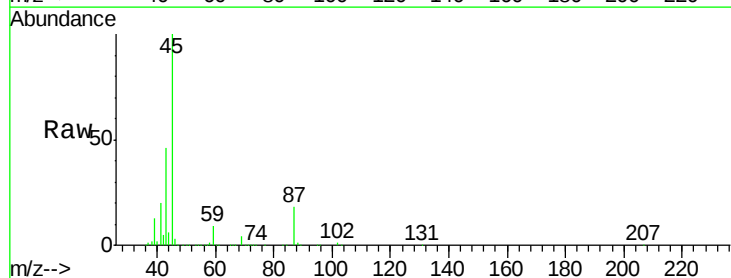
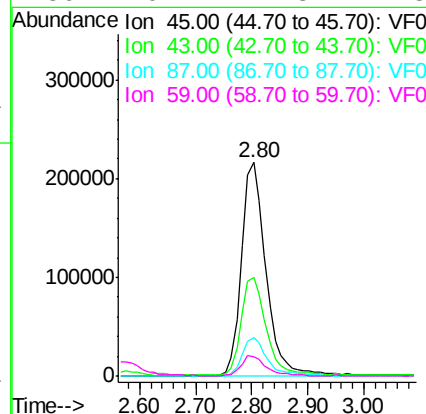
RT: 2.80 min Scan# 220

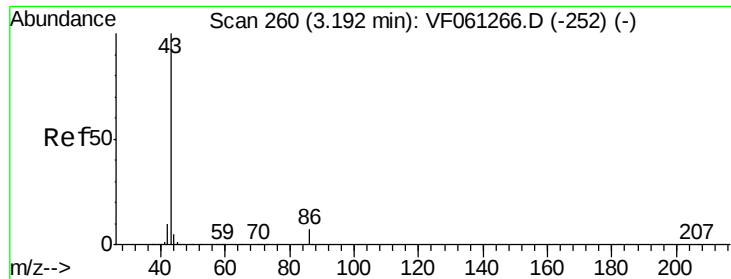
Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tgt Ion:	45	Resp:	653833
Ion	Ratio	Lower	Upper
45	100		
43	46.3	39.5	59.3
87	18.1	14.8	22.2
59	9.2	7.8	11.8





#23

Vinyl Acetate

Concen: 493.785 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 1423486

Ion Ratio Lower Upper

43 100

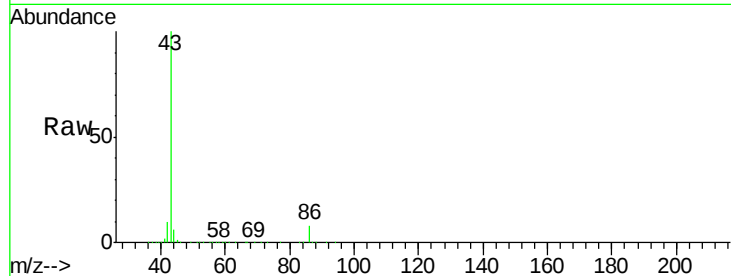
86 7.8 6.0 9.0

Manual Integrations

APPROVED

apatel

1/4/2019 2:12:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

500000

400000

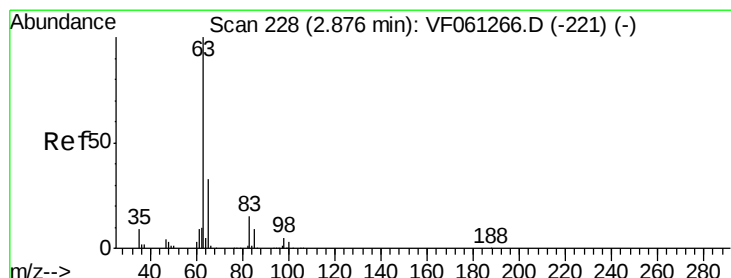
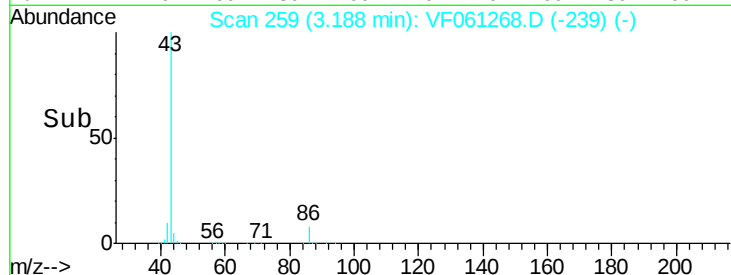
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 97.709 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

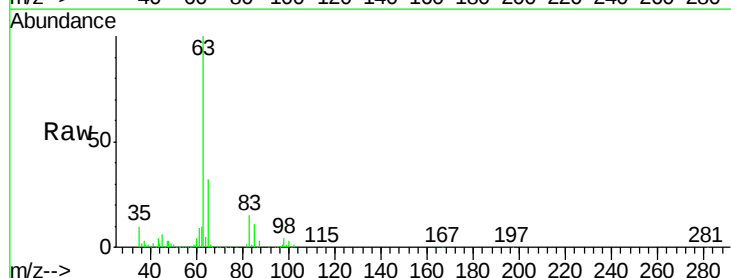
Tgt Ion: 63 Resp: 366947

Ion Ratio Lower Upper

63 100

98 4.4 2.5 7.5

100 3.3 1.6 4.8



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

2.87

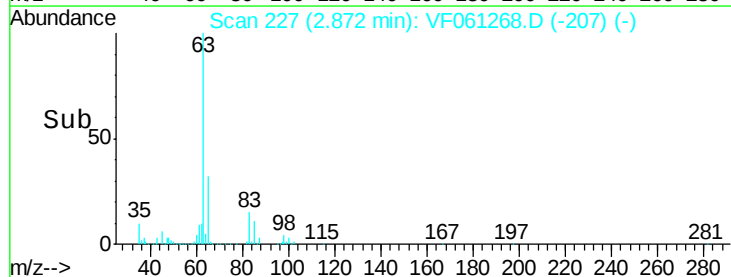
150000

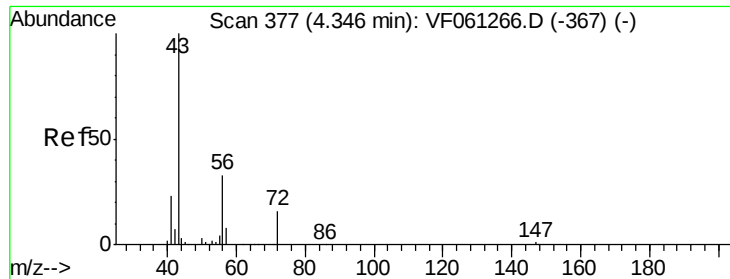
100000

50000

0

Time-->





#25

2-Butanone

Concen: 473.607 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 402454

Ion Ratio Lower Upper

43 100

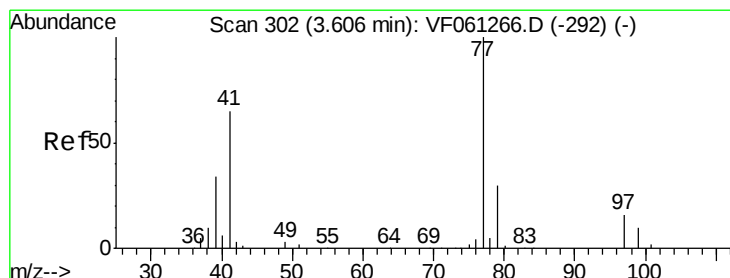
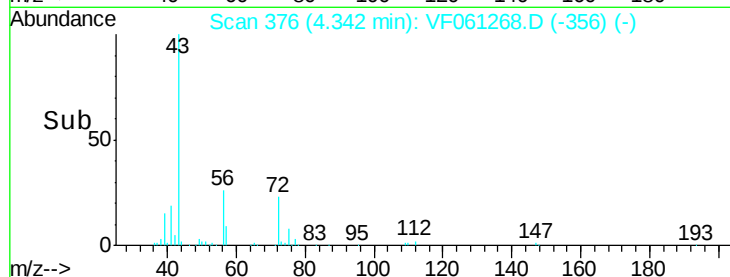
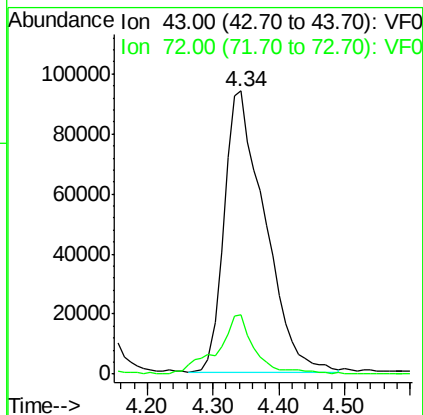
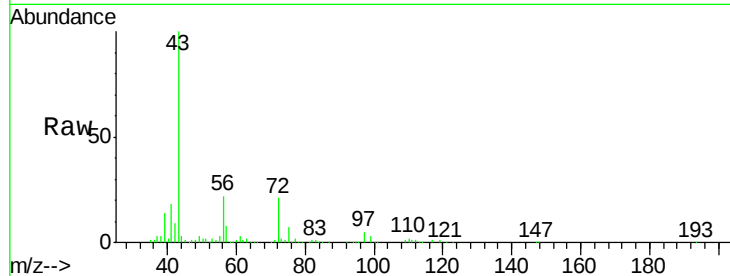
72 21.0 13.0 19.6#

Manual Integrations

APPROVED

apatel

1/4/2019 2:12:42 PM



#26

2,2-Dichloropropane

Concen: 99.186 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF061268.D

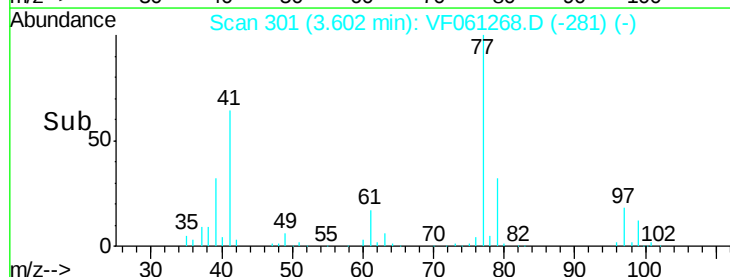
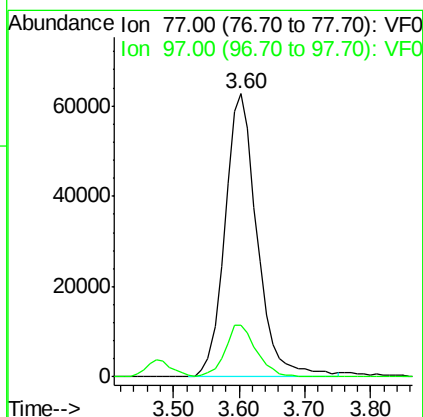
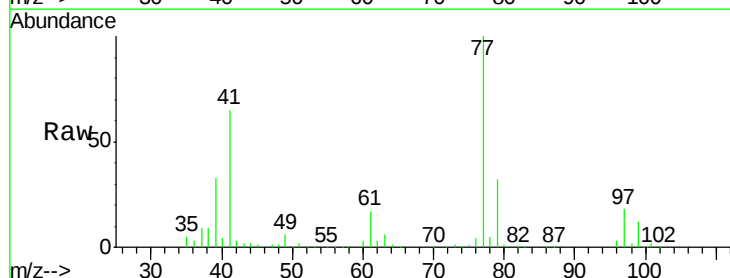
Acq: 3 Jan 2019 16:43

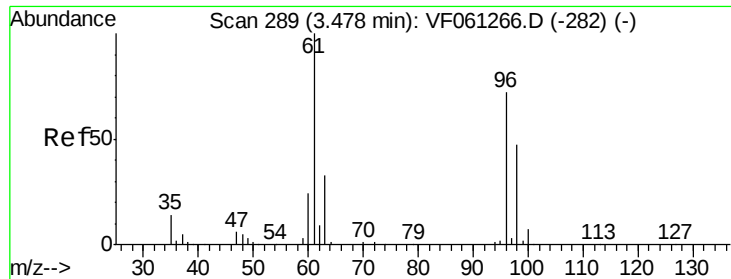
Tgt Ion: 77 Resp: 215193

Ion Ratio Lower Upper

77 100

97 18.4 8.9 26.7





#27

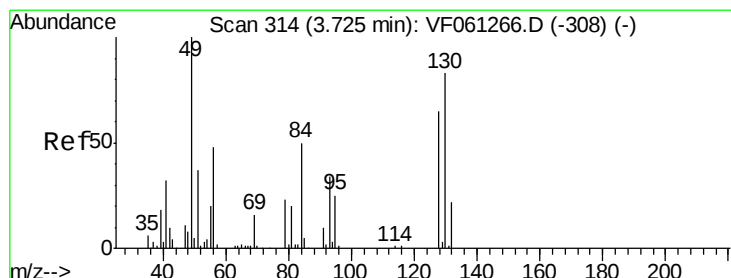
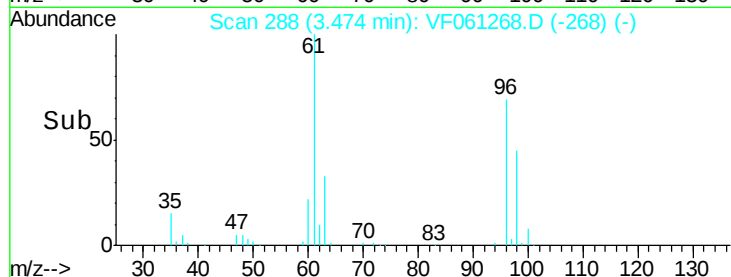
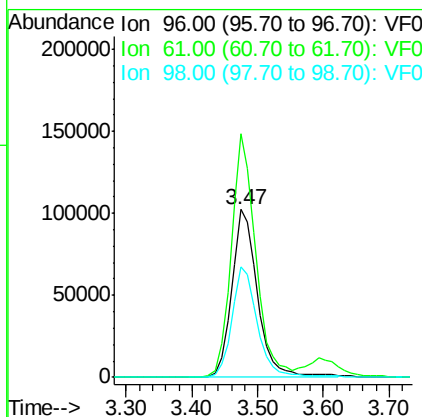
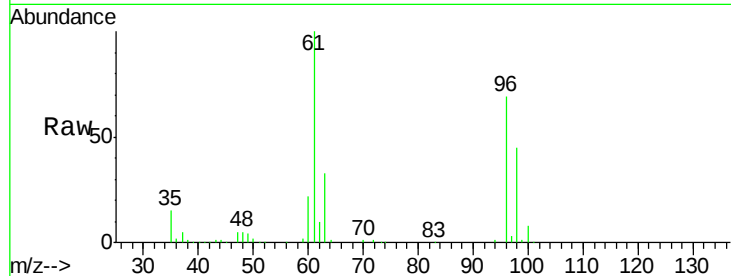
cis-1,2-Dichloroethene
Concen: 94.921 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	282325		
61	145.3		0.0	277.8
98	66.0		0.0	130.8

Manual Integrations
APPROVED

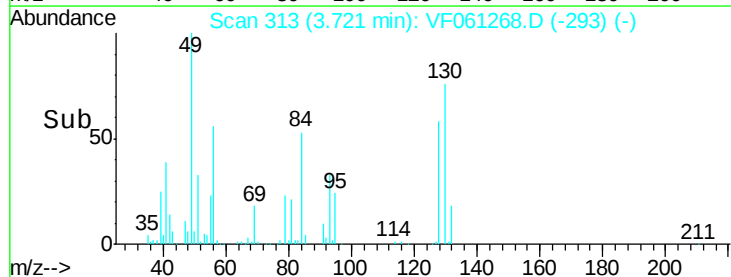
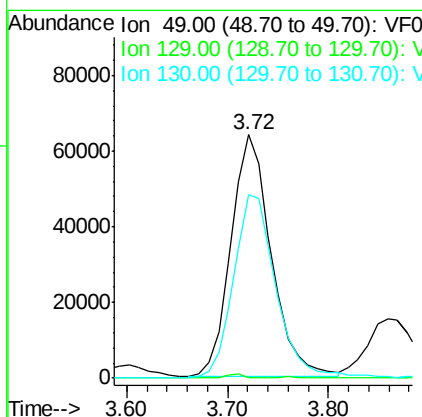
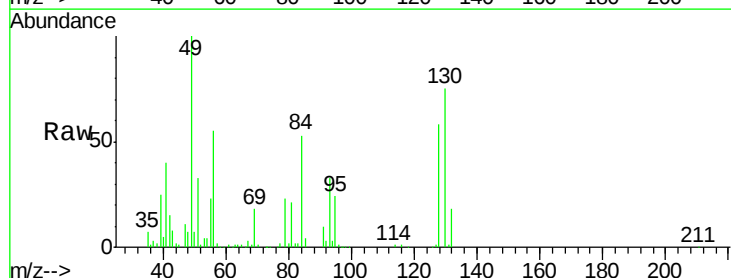
apatel
1/4/2019 2:12:42 PM

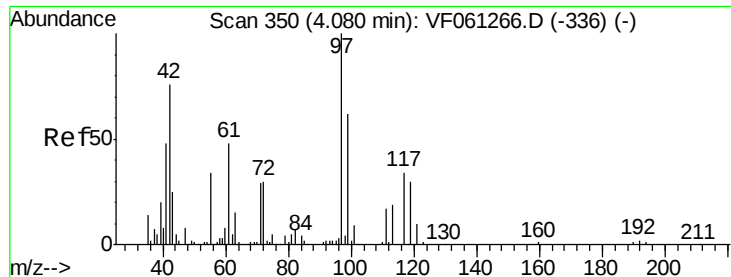


#28

Bromochloromethane
Concen: 95.064 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	177195		
129	0.0		0.0	5.4
130	75.2		65.7	98.5





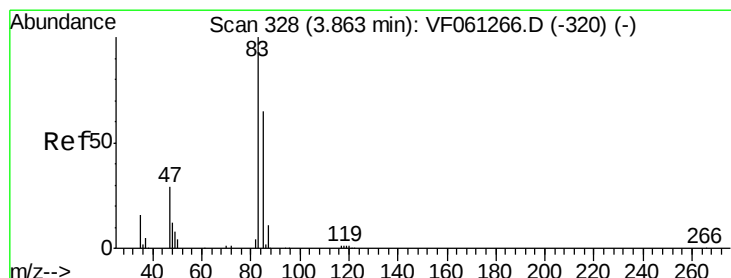
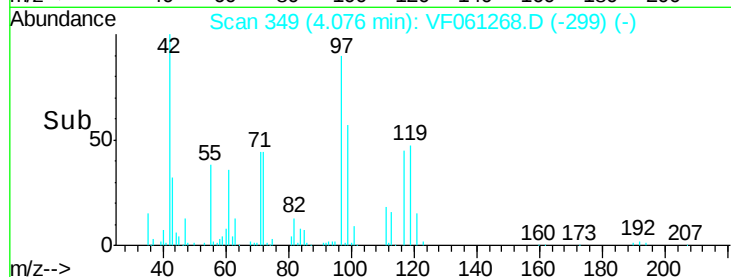
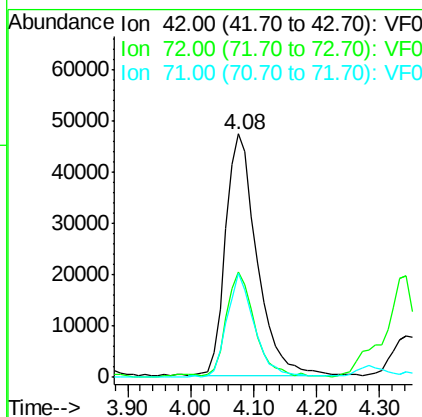
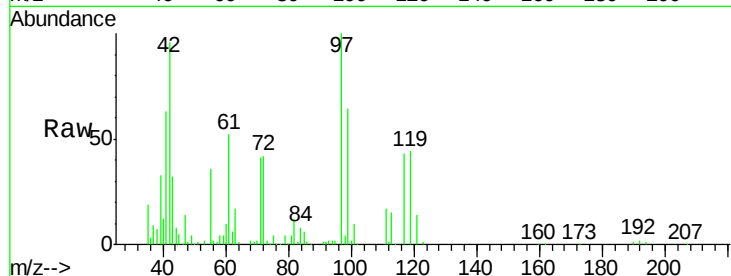
#29
Tetrahydrofuran
Concen: 467.317 ug/l
RT: 4.08 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	29.2	43.8
71	37.9	29.1	43.7

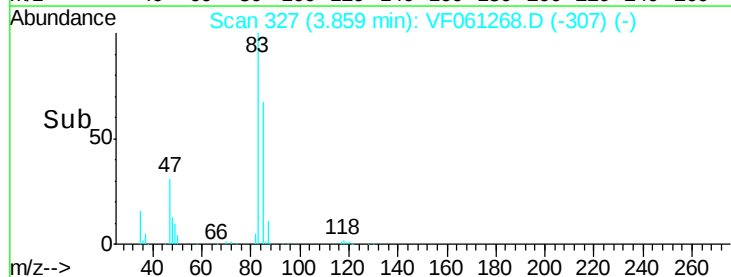
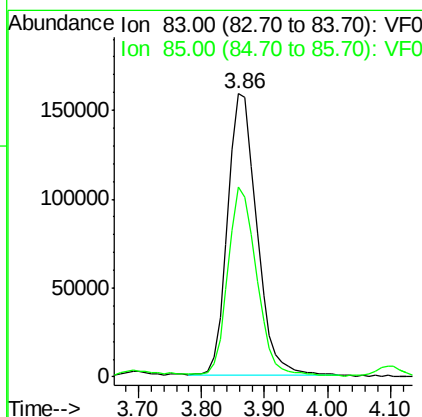
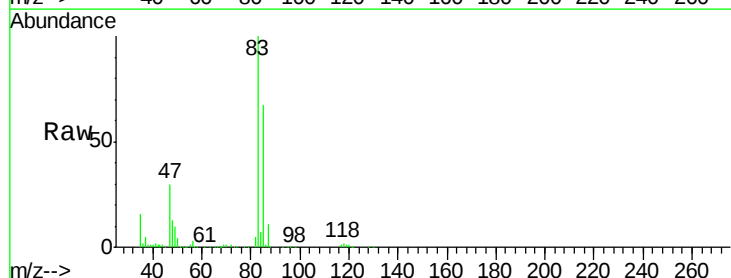
Manual Integrations
APPROVED

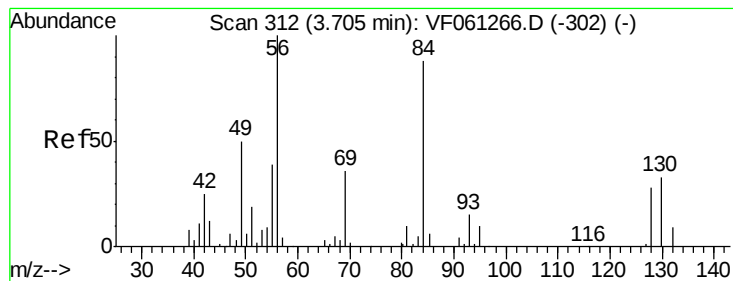
apatel
1/4/2019 2:12:42 PM



#30
Chloroform
Concen: 91.187 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.2	78.4





#31

Cyclohexane

Concen: 95.603 ug/l m

RT: 3.69 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

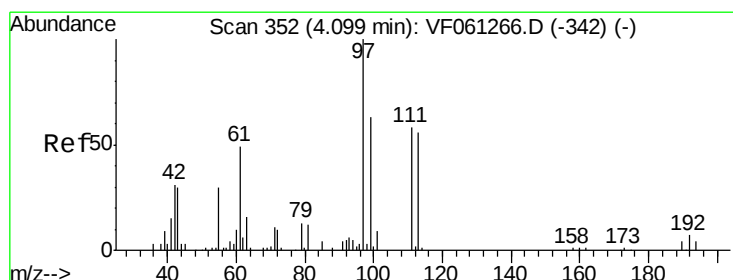
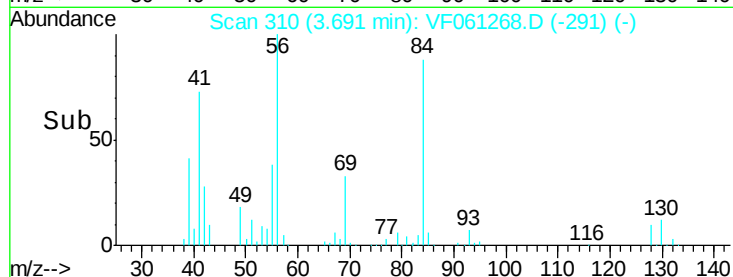
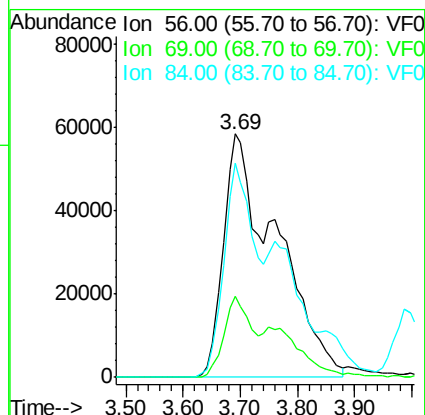
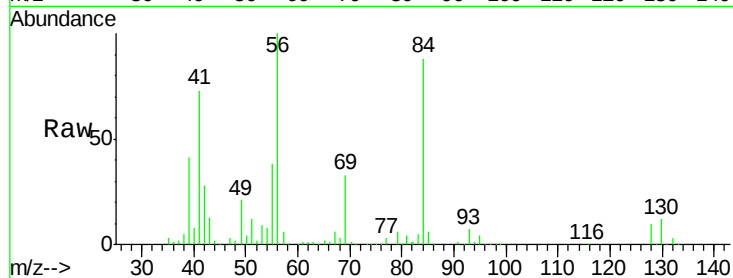
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	376084
Ion	Ratio	Lower	Upper
56	100		
69	33.2	28.7	43.1
84	88.0	70.6	106.0

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:42 PM



#32

1,1,1-Trichloroethane

Concen: 90.779 ug/l

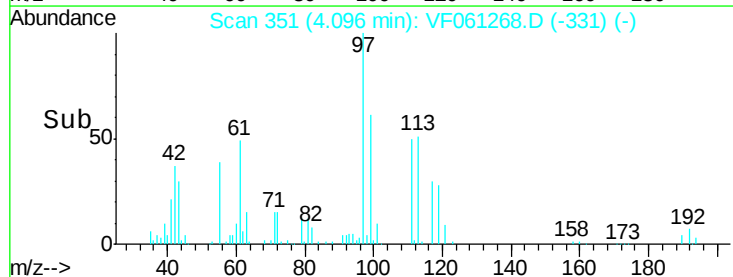
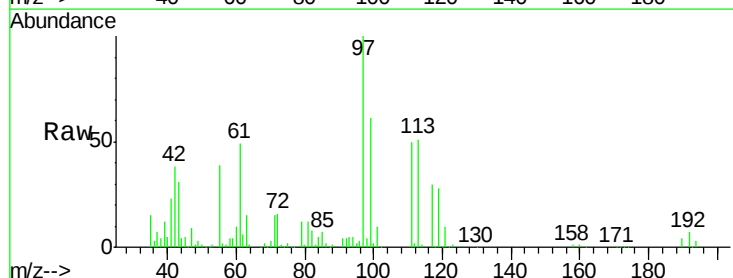
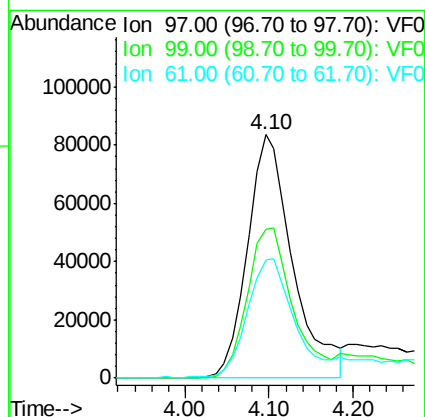
RT: 4.10 min Scan# 351

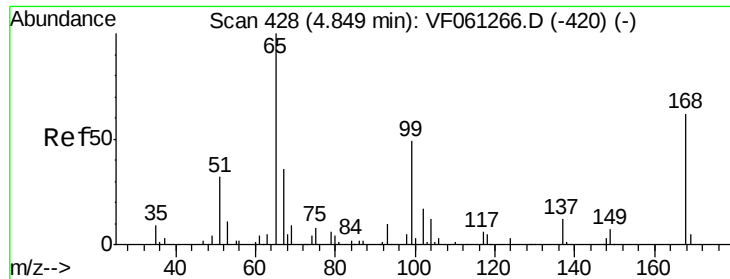
Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tgt Ion:	97	Resp:	314858
Ion	Ratio	Lower	Upper
97	100		
99	61.3	50.6	76.0
61	48.7	39.6	59.4





#33

1,2-Dichloroethane-d4

Concen: 93.616 ug/l

RT: 4.85 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tot Ion: 65 Resp: 245564

Ion Ratio Lower Upper

65 100

67 49.6 0.0 90.4

Instrument :

MSVOA_F

ClientSampleId :

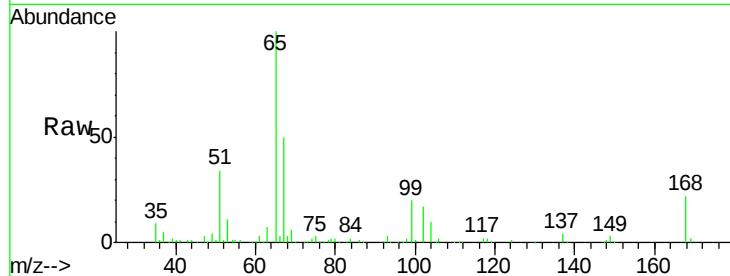
VSTDIC100

Manual Integrations

APPROVED

apatel

1/4/2019 2:12:42 PM



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.85

80000

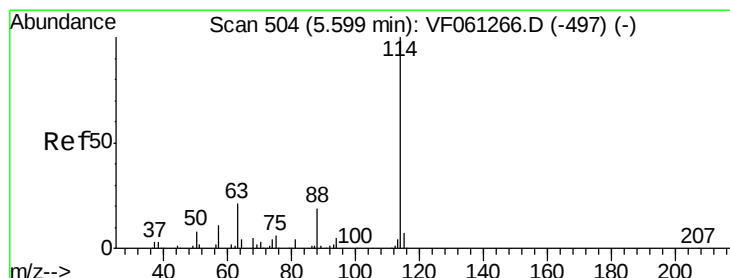
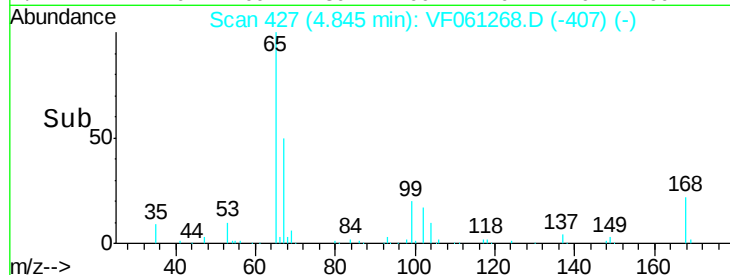
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

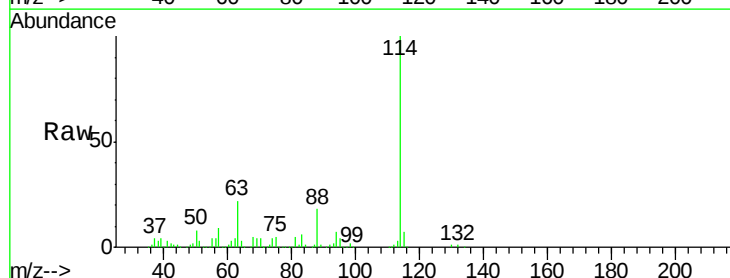
Tgt Ion: 114 Resp: 365978

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.8

88 18.5 0.0 38.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.60

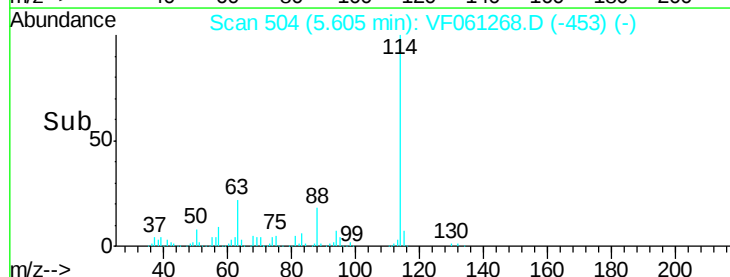
150000

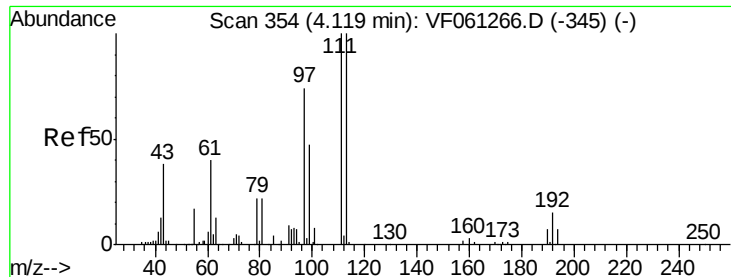
100000

50000

0

Time-->





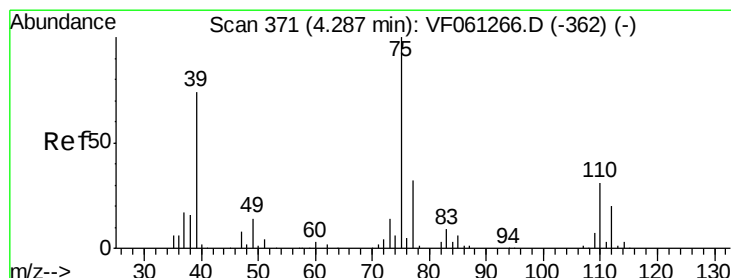
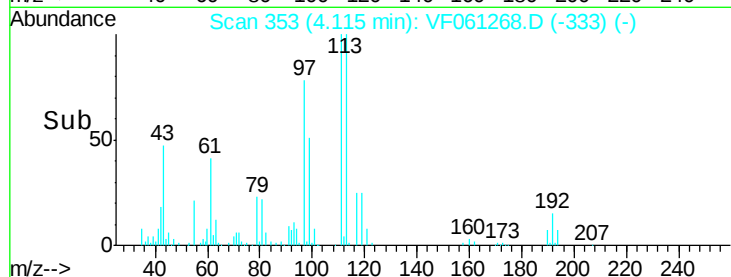
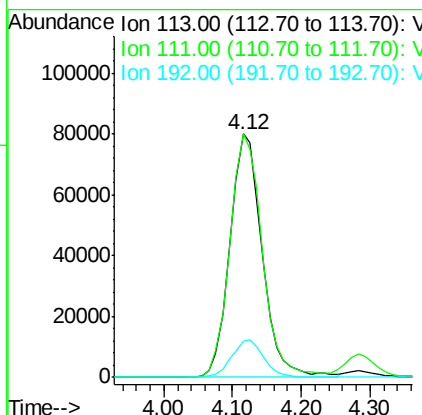
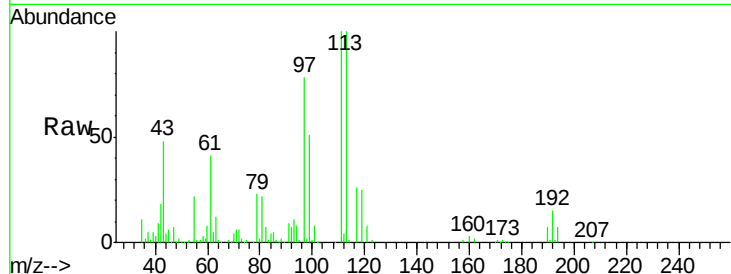
#35
Dibromofluoromethane
Concen: 88.969 ug/l
RT: 4.12 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	260163		
111	100.0	79.8	119.6	
192	14.8	11.9	17.9	

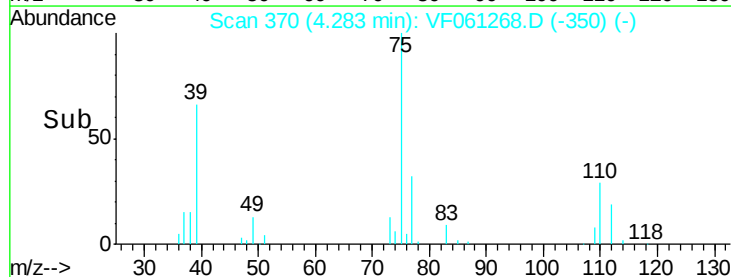
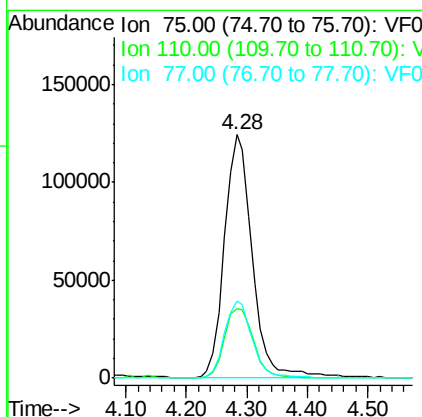
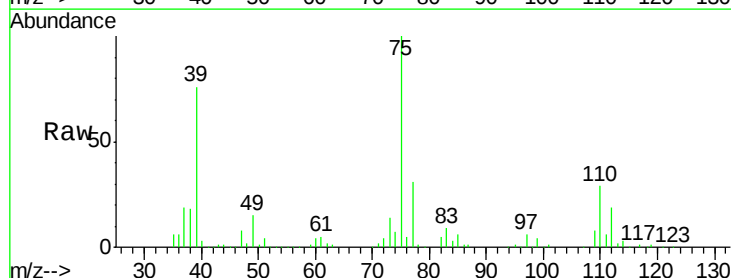
Manual Integrations
APPROVED

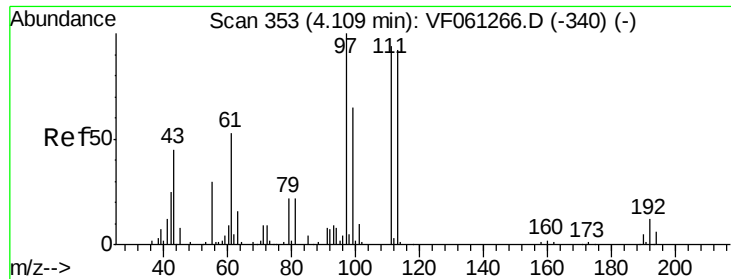
apatel
1/4/2019 2:12:42 PM



#36
1,1-Dichloropropene
Concen: 88.690 ug/l
RT: 4.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	392582		
110	28.6	15.4	46.4	
77	31.5	25.6	38.4	





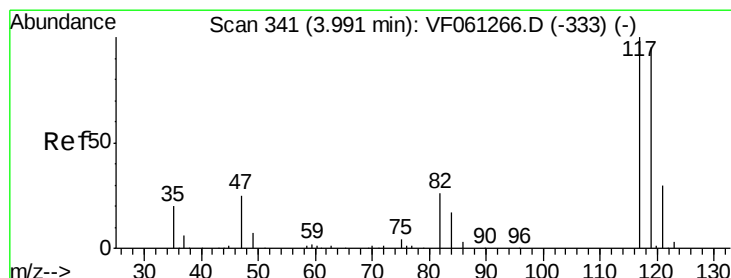
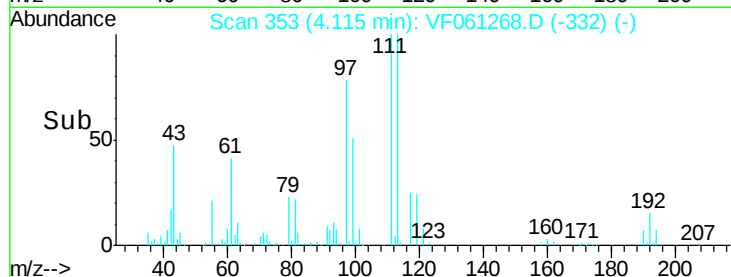
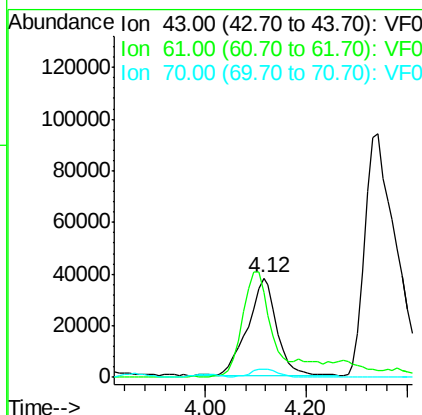
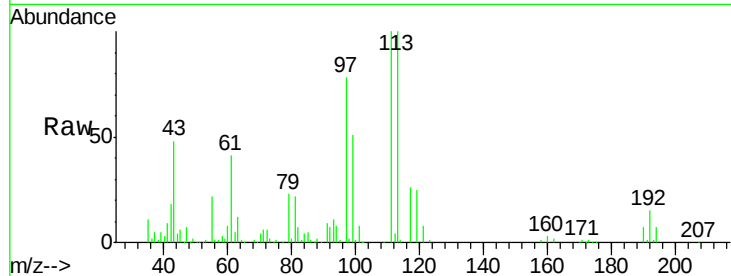
#37
Ethyl Acetate
Concen: 86.192 ug/l
RT: 4.12 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	86.1	91.2	136.8#
70	8.6	7.1	10.7

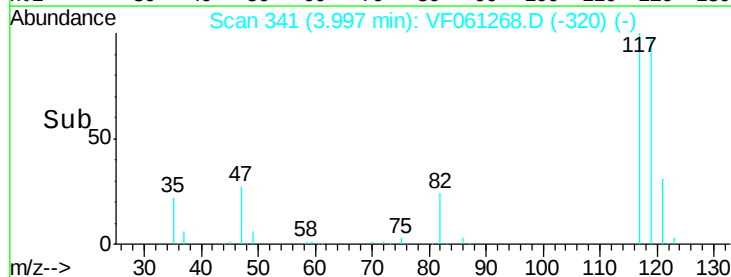
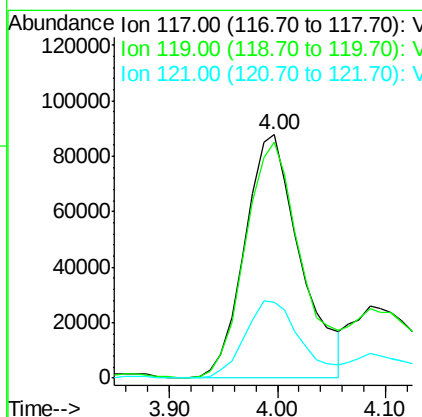
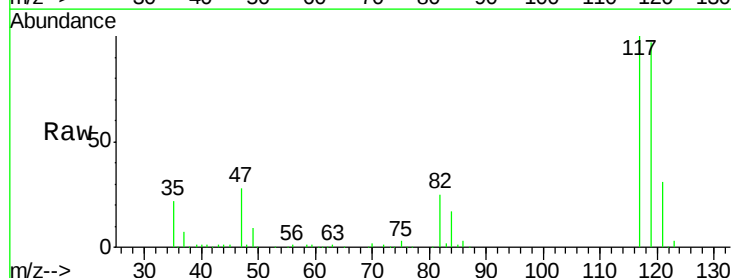
Manual Integrations
APPROVED

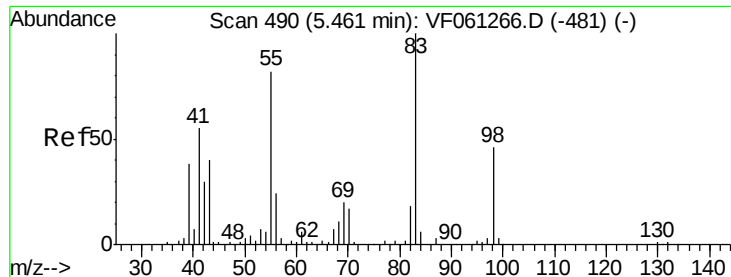
apatel
1/4/2019 2:12:42 PM



#38
Carbon Tetrachloride
Concen: 91.464 ug/l
RT: 4.00 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.0	114.0
121	30.9	23.8	35.8





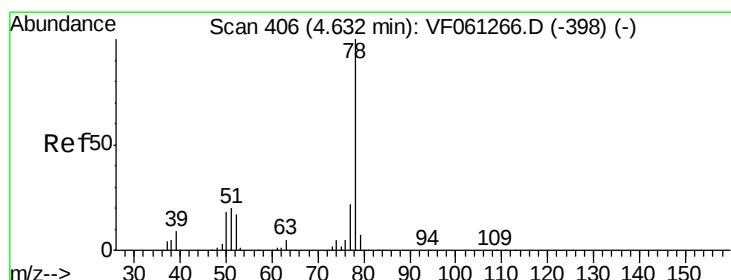
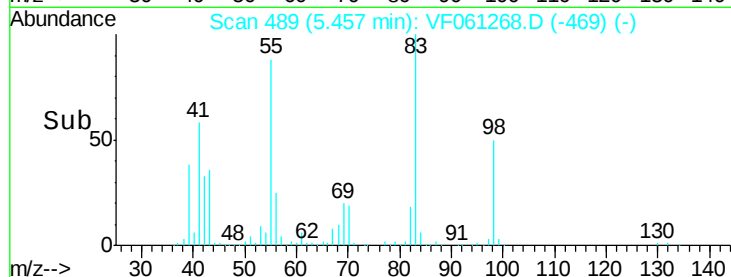
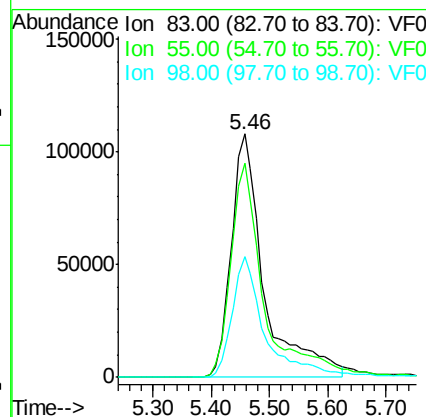
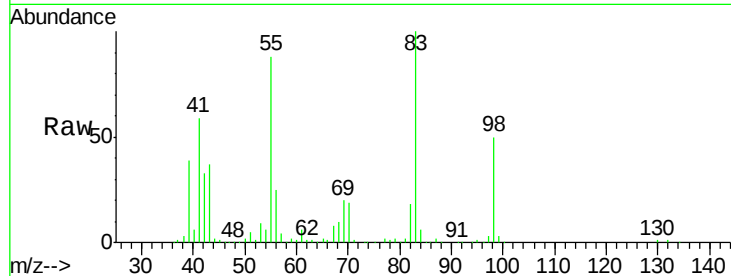
#39
Methvlcvclohexane
Concen: 104.831 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	87.7	65.6	98.4	
98	49.6	36.7	55.1	

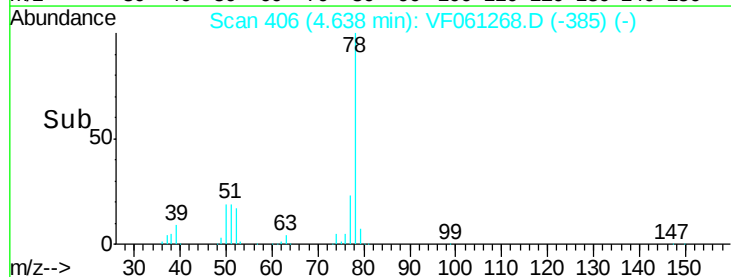
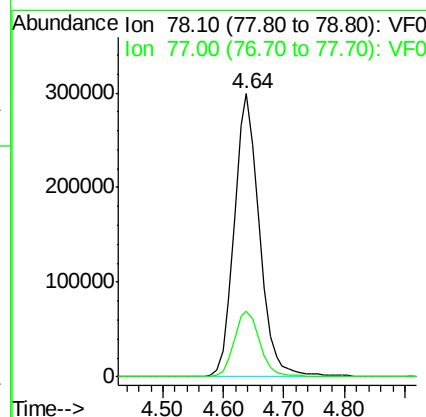
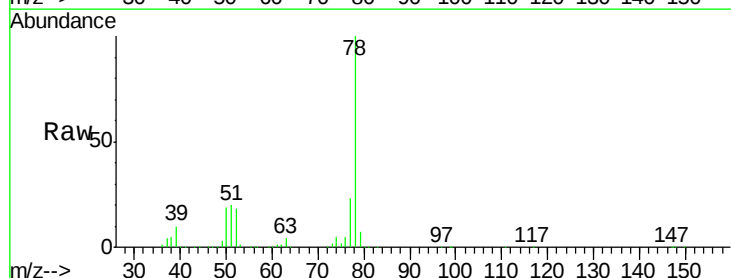
Manual Integrations
APPROVED

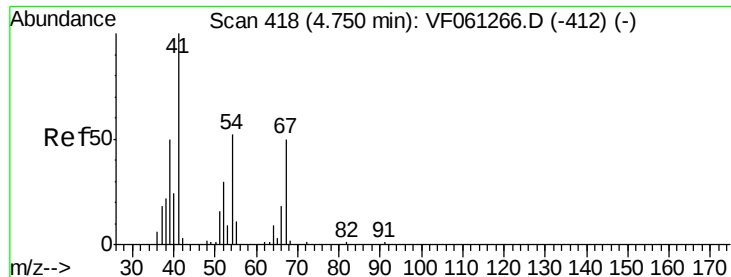
apatel
1/4/2019 2:12:42 PM



#40
Benzene
Concen: 90.122 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.0	27.0	





#41

Methacrylonitrile

Concen: 92.939 ug/l

RT: 4.76 min Scan# 418

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

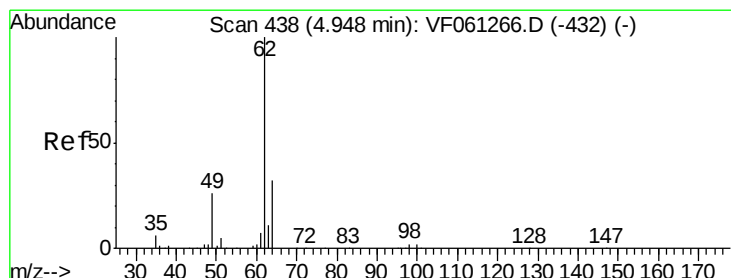
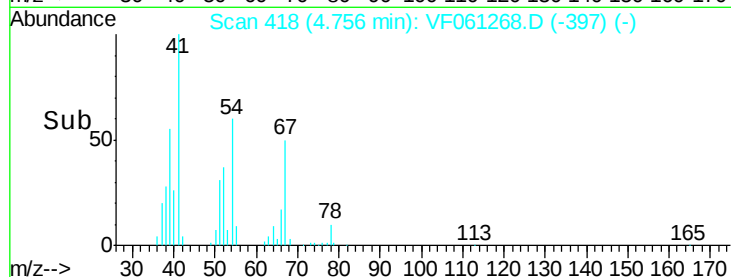
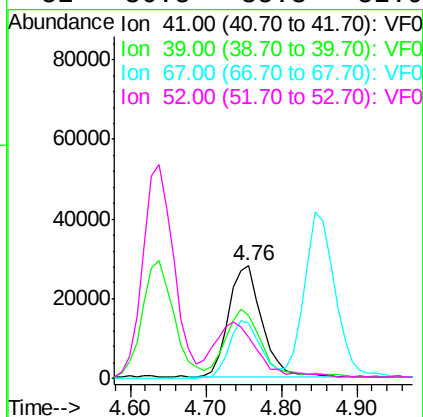
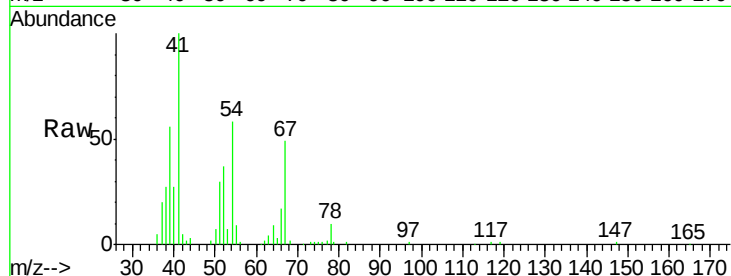
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	85120
Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.6	66.8
67	49.0	39.3	58.9
52	36.8	35.3	52.9

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:42 PM



#42

1,2-Dichloroethane

Concen: 89.242 ug/l

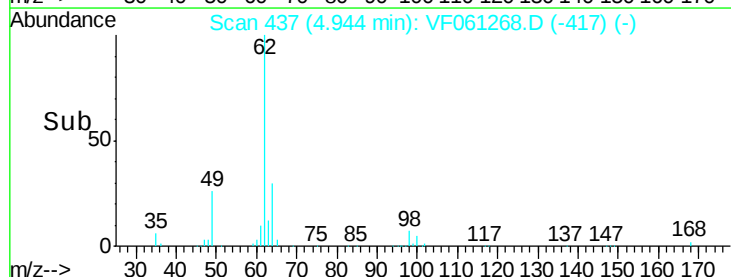
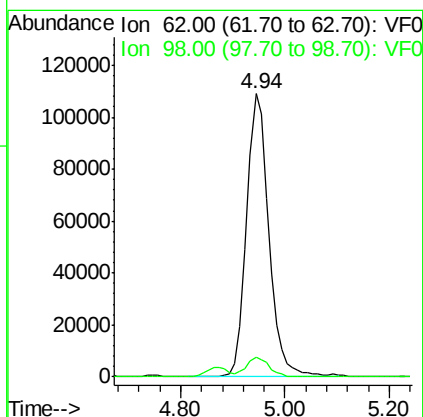
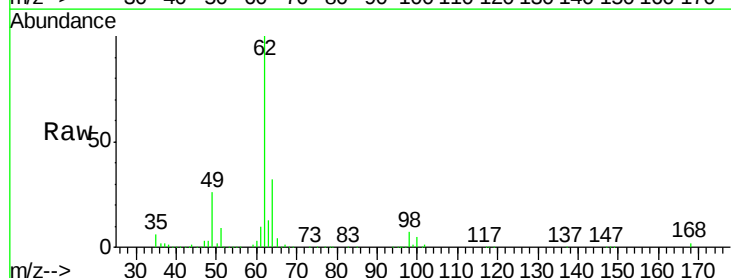
RT: 4.94 min Scan# 437

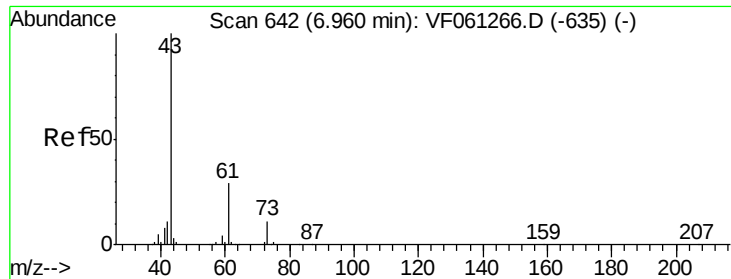
Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tgt Ion:	62	Resp:	314331
Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	13.4





#43

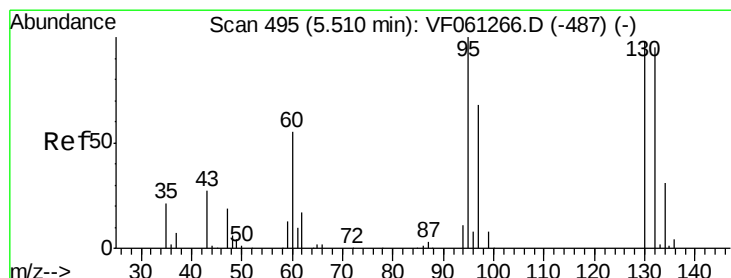
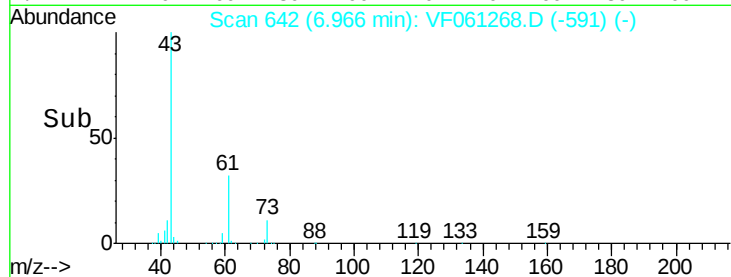
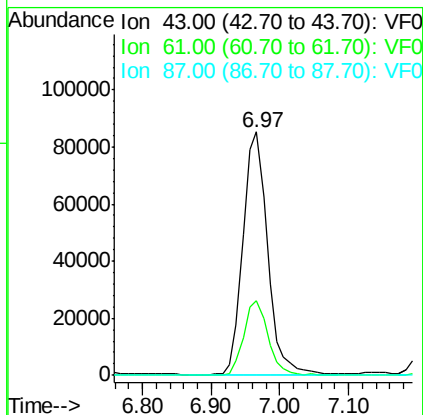
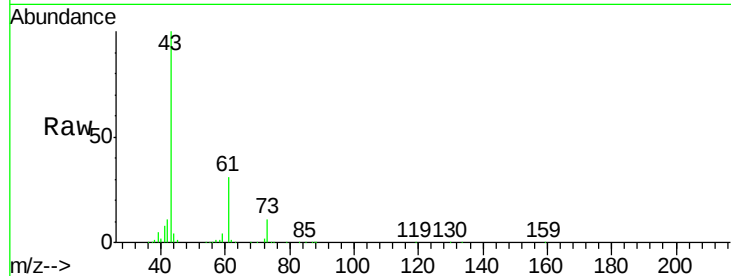
Isopropyl Acetate
 Concen: 98.965 ug/l
 RT: 6.97 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	23.4	35.2
87	0.3	0.3	0.5

Manual Integrations
 APPROVED

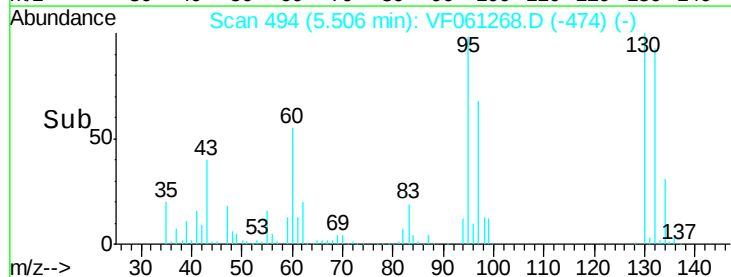
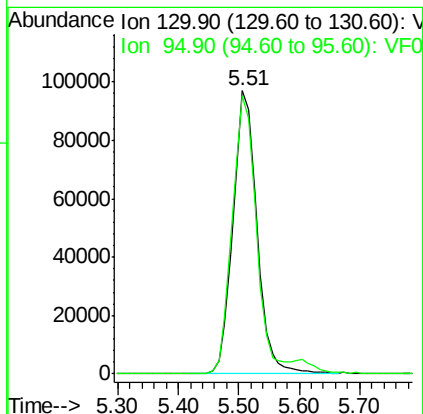
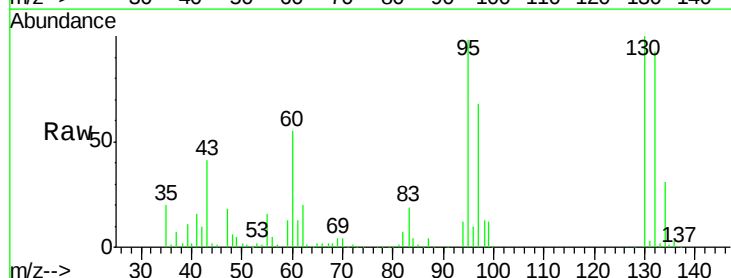
apatel
 1/4/2019 2:12:42 PM

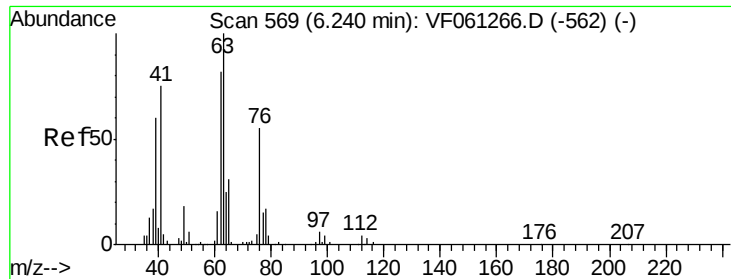


#44

Trichloroethene
 Concen: 90.199 ug/l
 RT: 5.51 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	204.0





#45

1,2-Dichloropropane

Concen: 89.769 ug/l

RT: 6.24 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 63 Resp: 232663

Ion Ratio Lower Upper

63 100

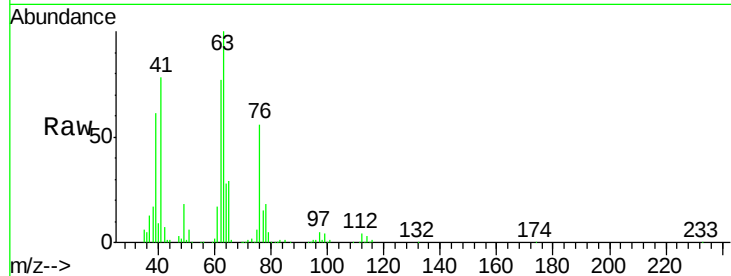
65 29.5 24.4 36.6

Manual Integrations

APPROVED

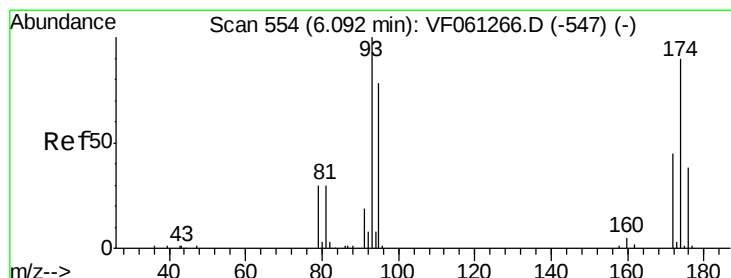
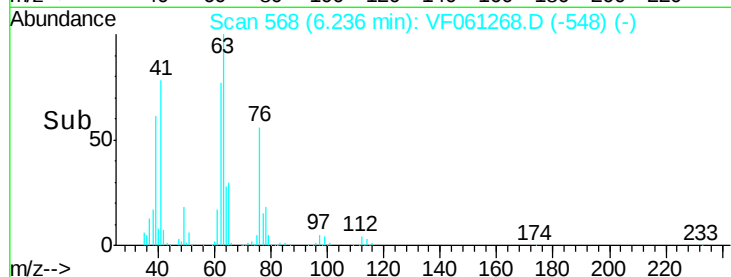
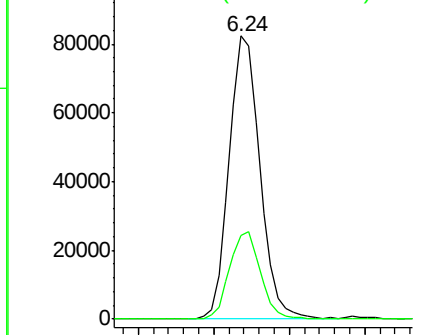
apatel

1/4/2019 2:12:42 PM



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 98.240 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

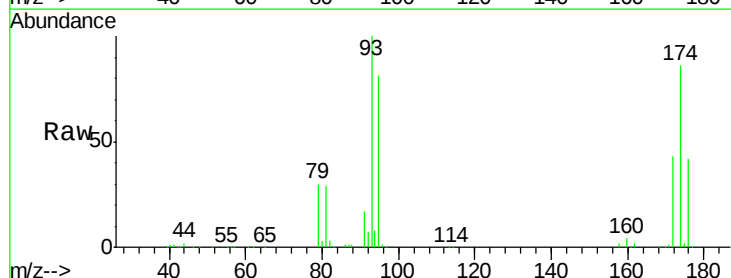
Tgt Ion: 93 Resp: 162645

Ion Ratio Lower Upper

93 100

95 81.0 62.4 93.6

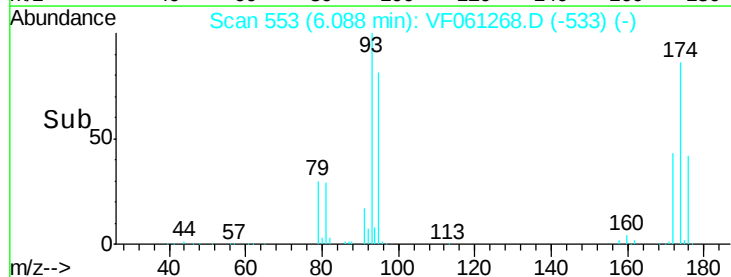
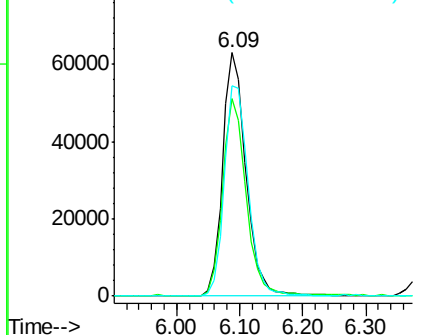
174 88.2 71.9 107.9

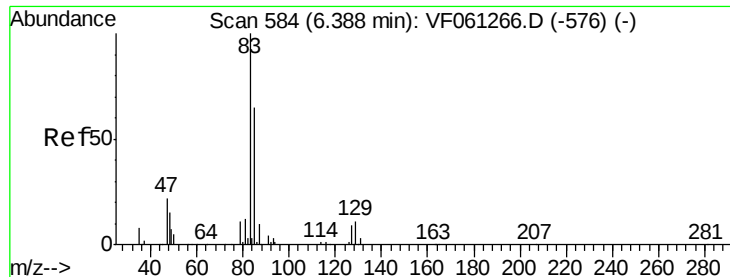


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 92.019 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

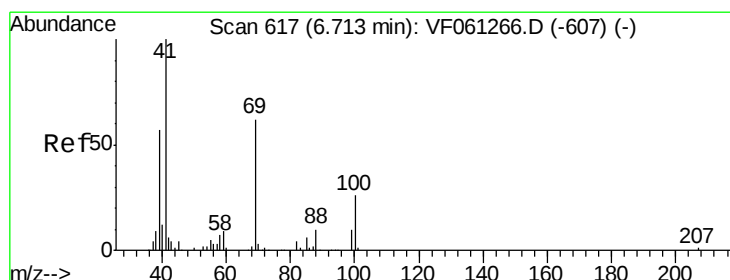
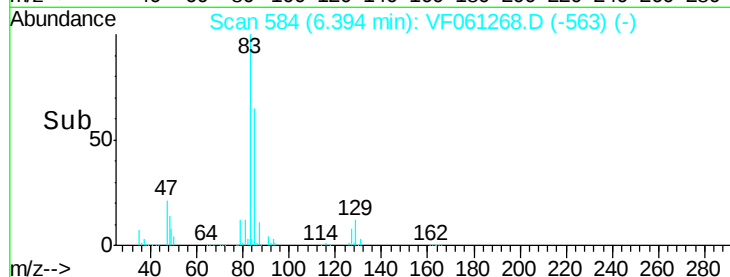
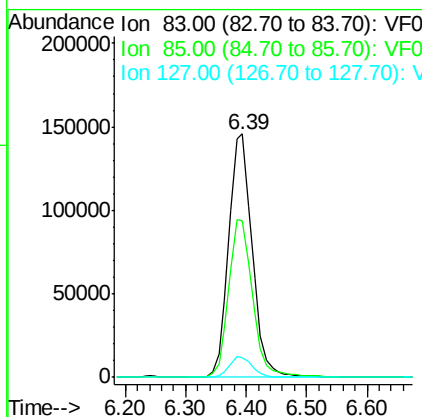
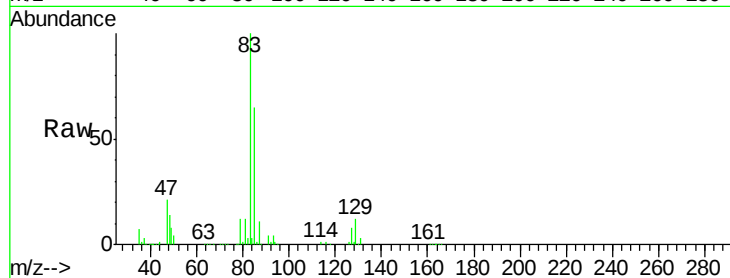
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	394335
Ion Ratio	Lower	Upper	
83	100		
85	64.6	52.1	78.1
127	8.1	7.1	10.7

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:42 PM



#48

Methyl methacrylate

Concen: 99.949 ug/l

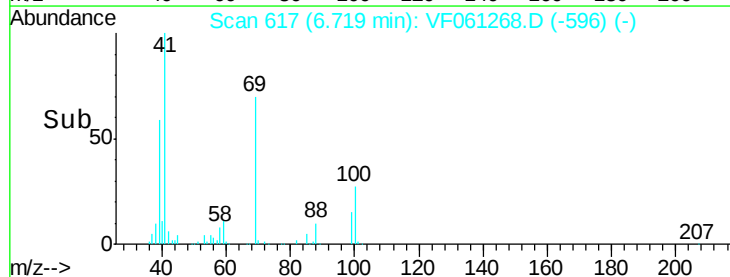
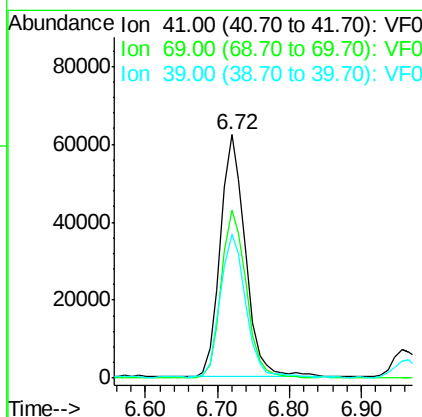
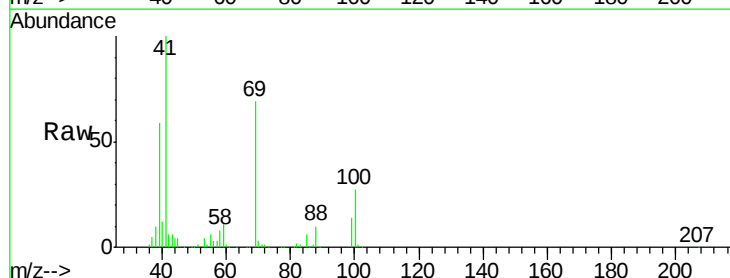
RT: 6.72 min Scan# 617

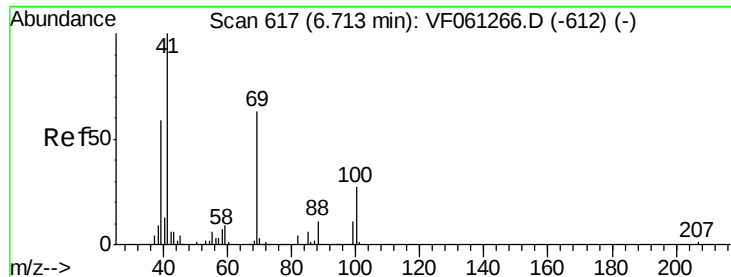
Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tgt Ion:	41	Resp:	148809
Ion Ratio	Lower	Upper	
41	100		
69	69.2	49.8	74.8
39	59.3	46.4	69.6





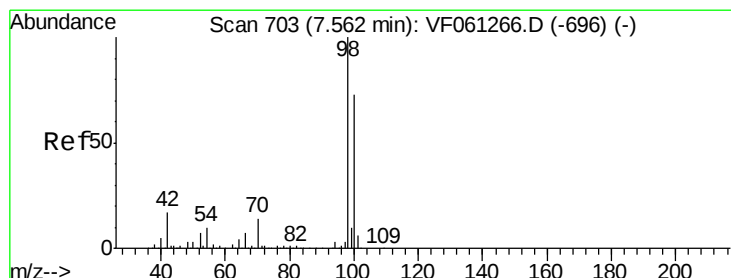
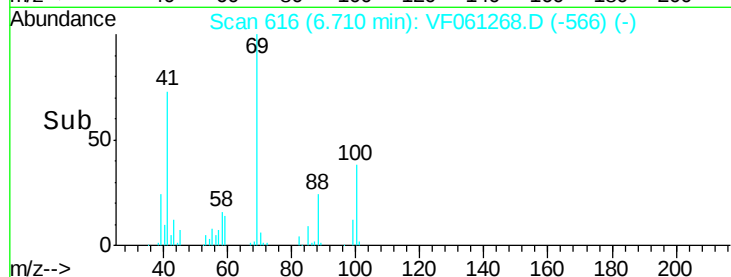
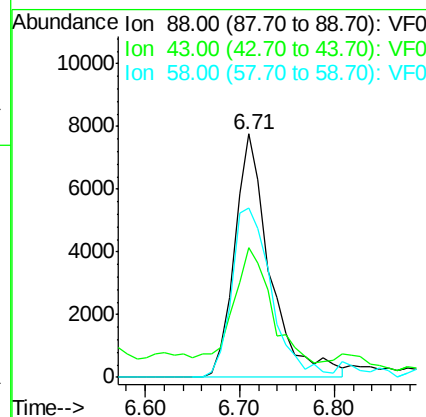
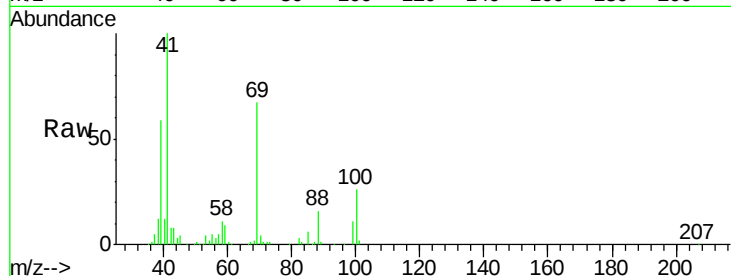
#49
1,4-Dioxane
Concen: 1898.342 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	53.3	55.2	82.8#
58	69.5	50.9	76.3

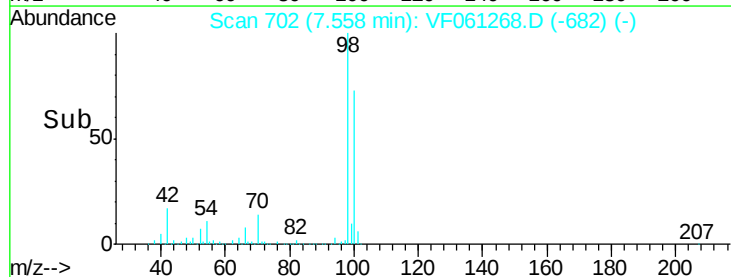
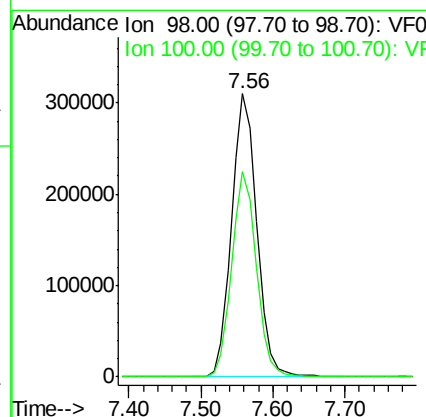
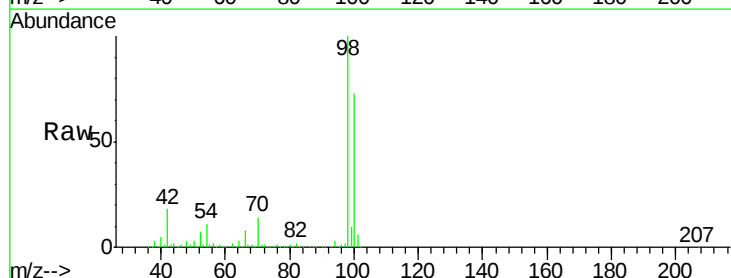
Manual Integrations
APPROVED

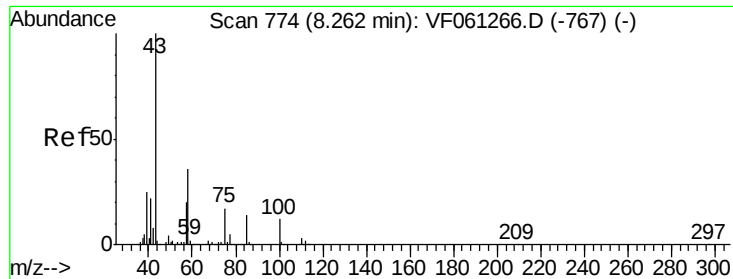
apatel
1/4/2019 2:12:42 PM



#50
Toluene-d8
Concen: 90.683 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.7	58.1	87.1





#51

4-Methyl-2-Pentanone

Concen: 455.451 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 664621

Ion Ratio Lower Upper

43 100

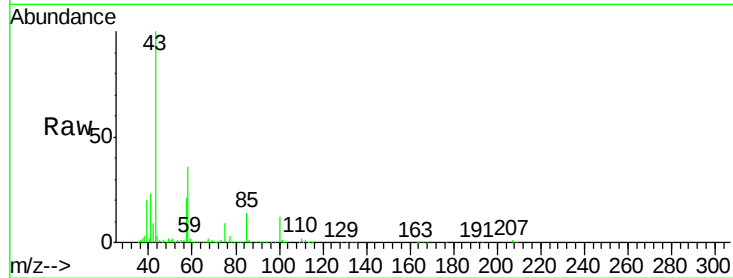
58 36.3 29.1 43.7

Manual Integrations

APPROVED

apatel

1/4/2019 2:12:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

250000

200000

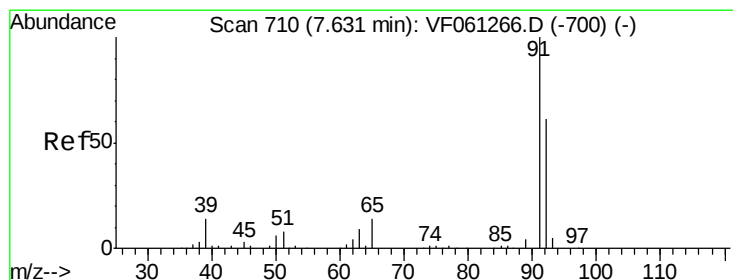
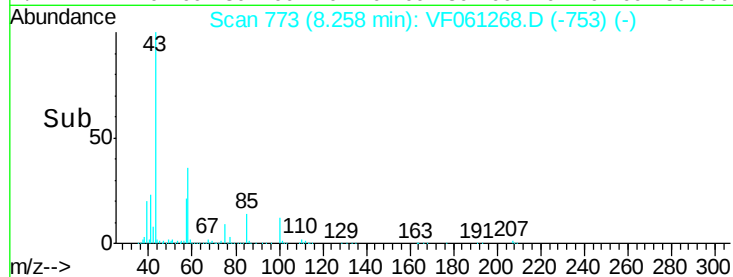
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 89.774 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061268.D

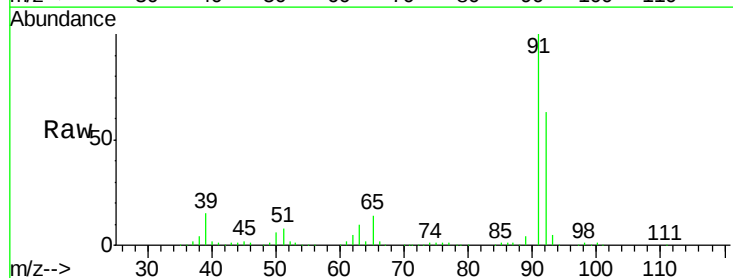
Acq: 3 Jan 2019 16:43

Tgt Ion: 92 Resp: 568702

Ion Ratio Lower Upper

92 100

91 157.7 130.5 195.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.63

400000

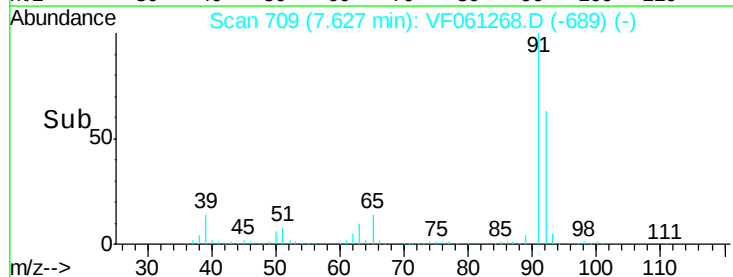
300000

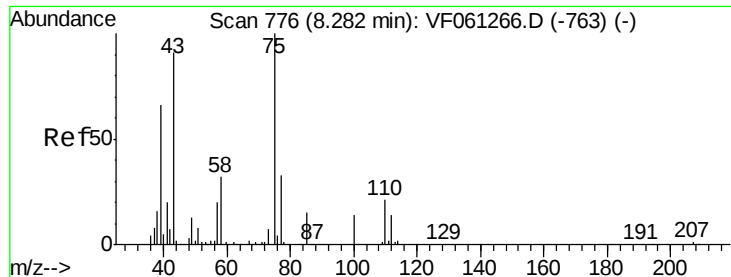
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 87.299 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tot Ion: 75 Resp: 304899

Ion Ratio Lower Upper

75 100

77 31.9 26.8 40.2

Instrument :

MSVOA_F

ClientSampleId :

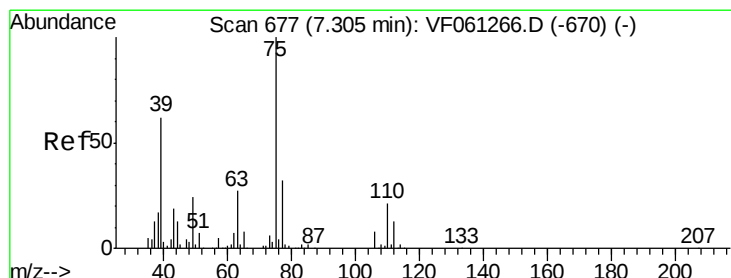
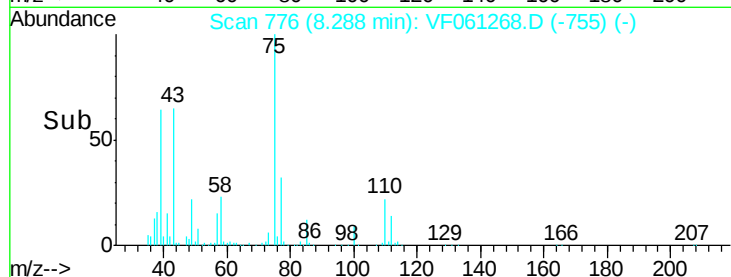
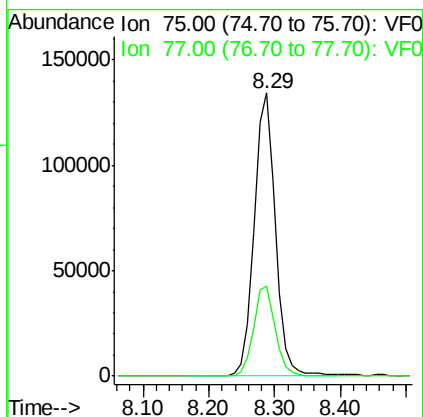
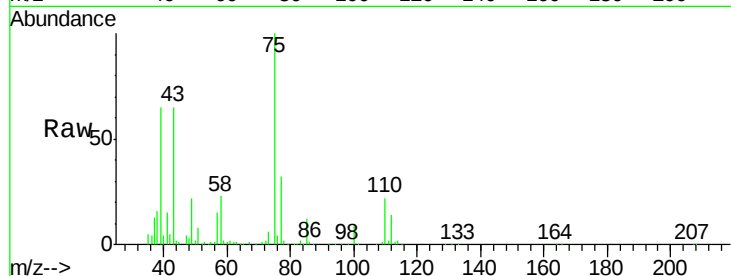
VSTDIC100

Manual Integrations

APPROVED

apatel

1/4/2019 2:12:42 PM



#54

cis-1,3-Dichloropropene

Concen: 91.611 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

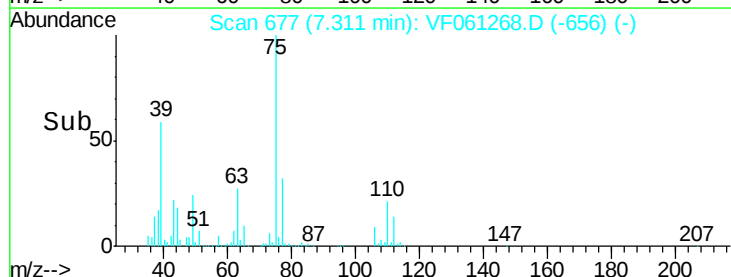
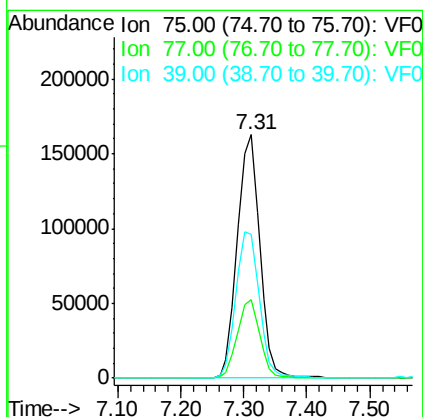
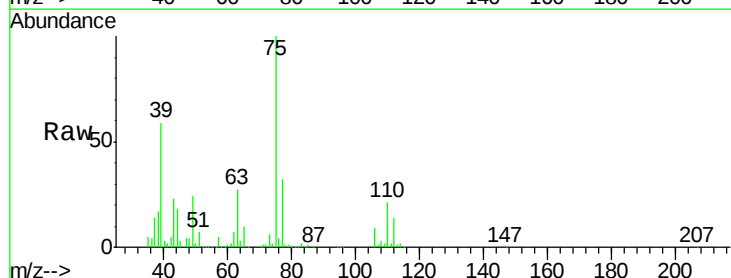
Tgt Ion: 75 Resp: 402248

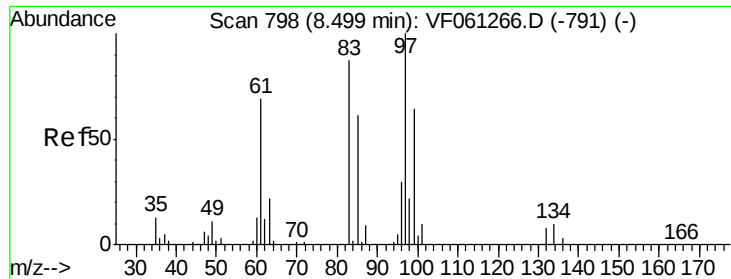
Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2

39 59.1 49.5 74.3





#55

1,1,2-Trichloroethane

Concen: 95.601 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

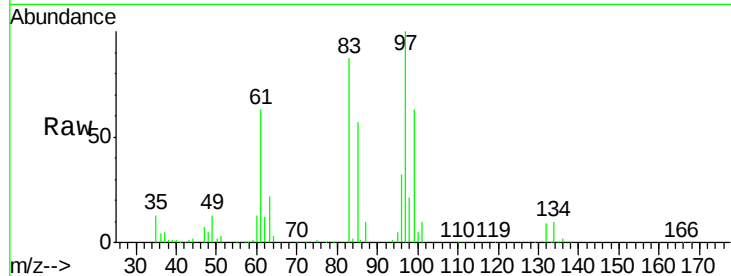
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	179930
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.7	104.5
85	57.3	49.1	73.7
99	62.9	51.3	76.9

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:42 PM

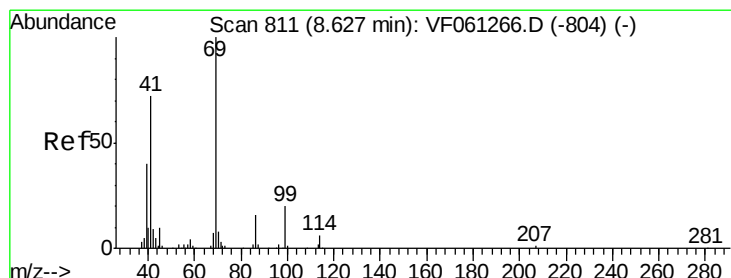
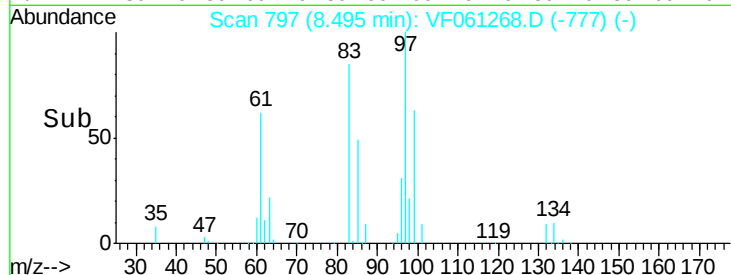
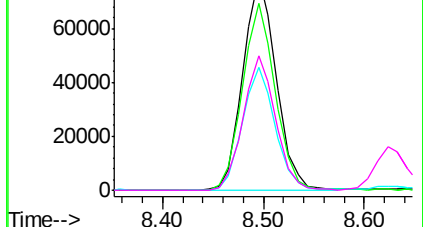


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 89.307 ug/l

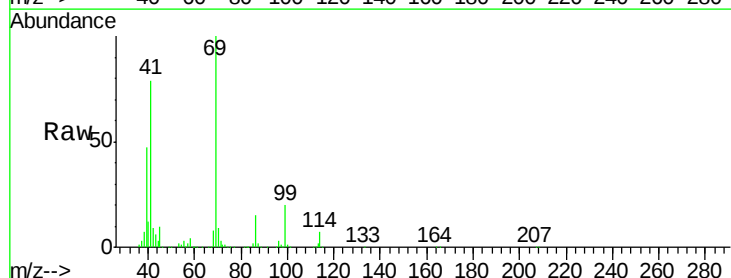
RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

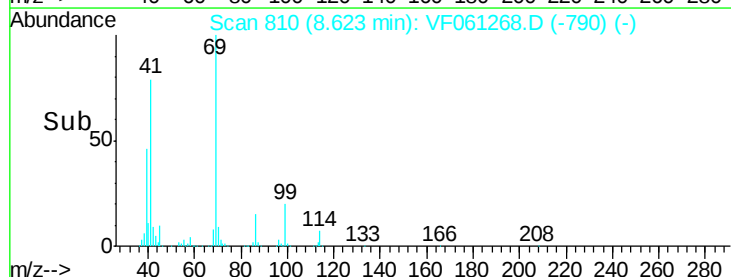
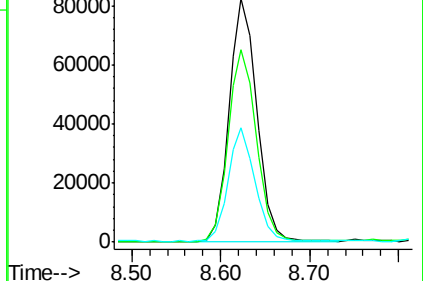
Tgt Ion:	69	Resp:	181523
Ion	Ratio	Lower	Upper
69	100		
41	79.1	58.1	87.1
39	47.1	32.6	49.0

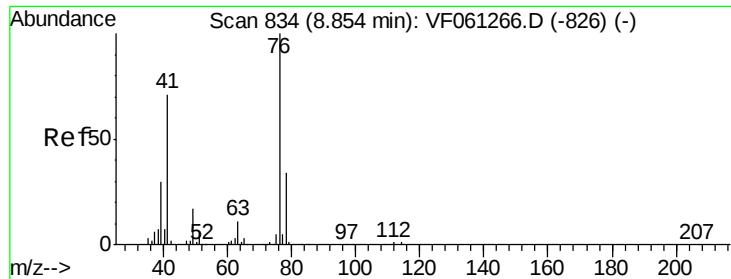


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





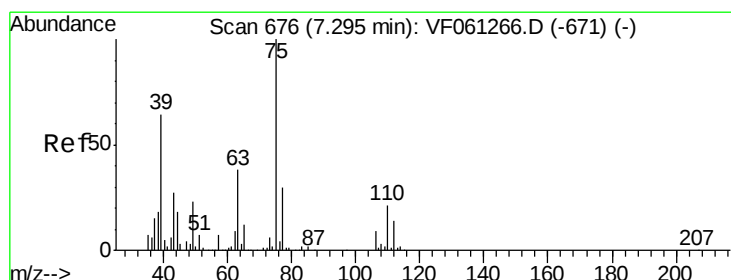
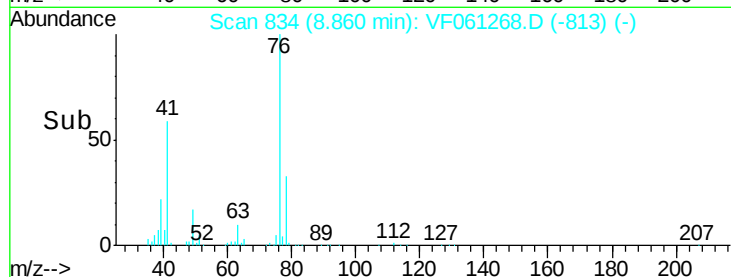
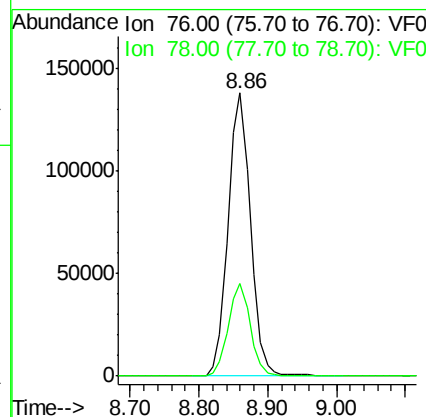
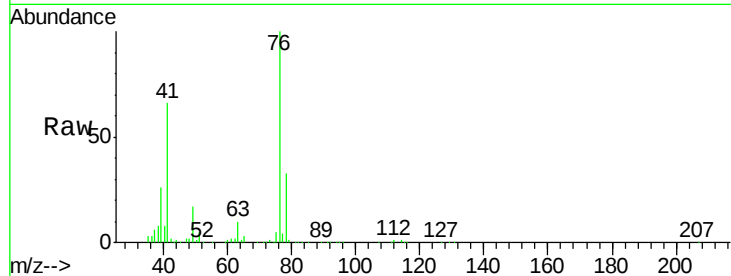
#57
 1,3-Dichloropropane
 Concen: 91.435 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. 0.01 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.8	40.2

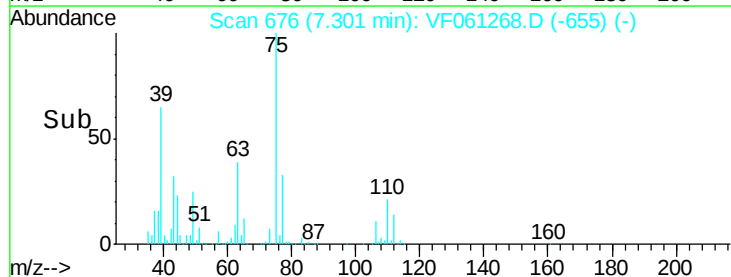
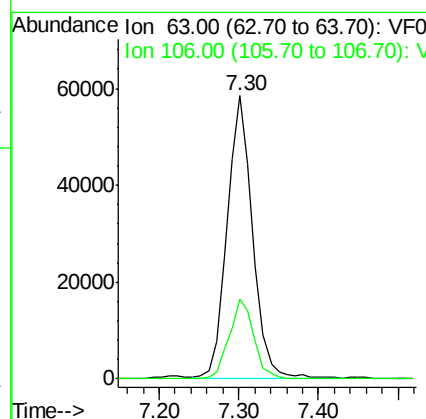
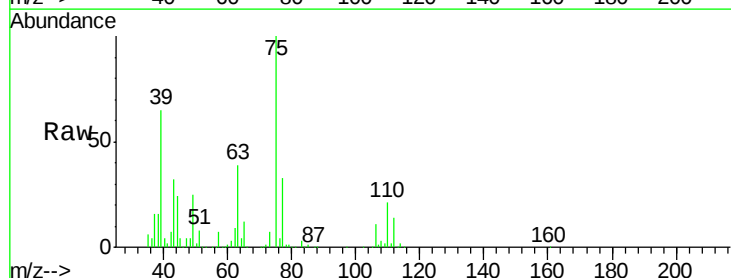
Manual Integrations
 APPROVED

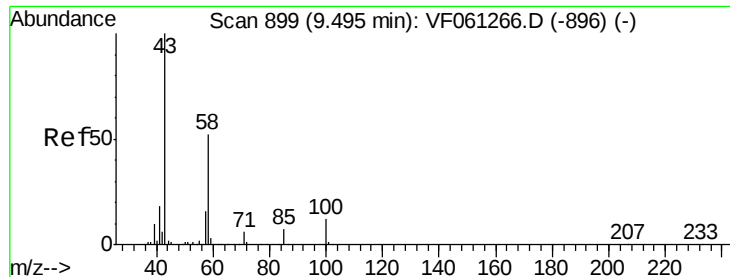
apatel
 1/4/2019 2:12:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 352.095 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	19.2	28.8





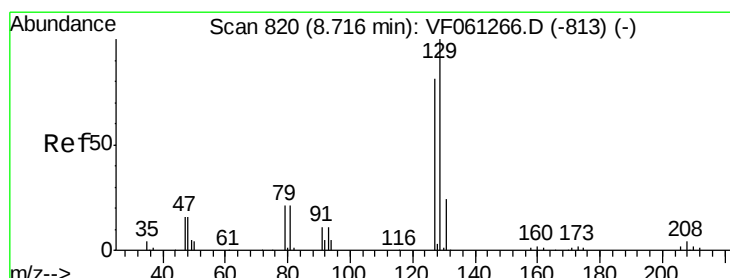
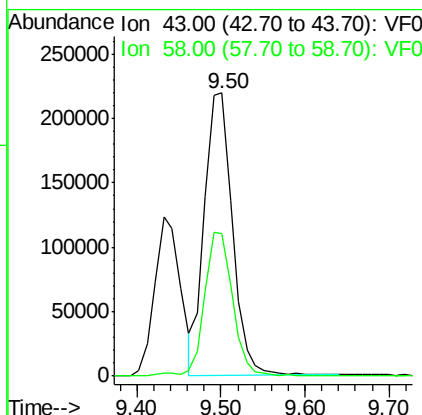
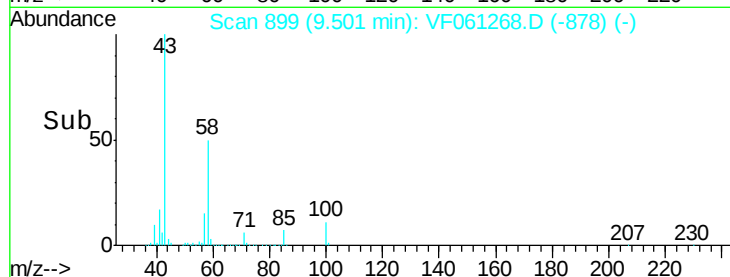
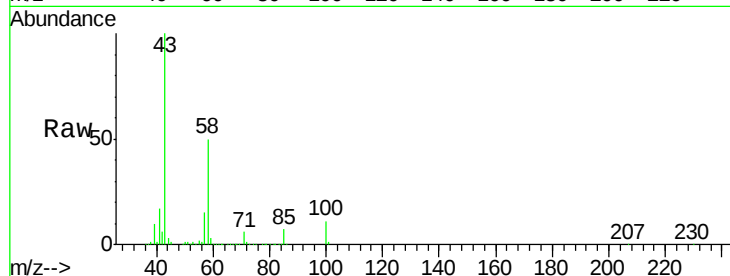
#59
2-Hexanone
Concen: 481.989 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 505626
Ion Ratio Lower Upper
43 100
58 50.4 24.4 73.4

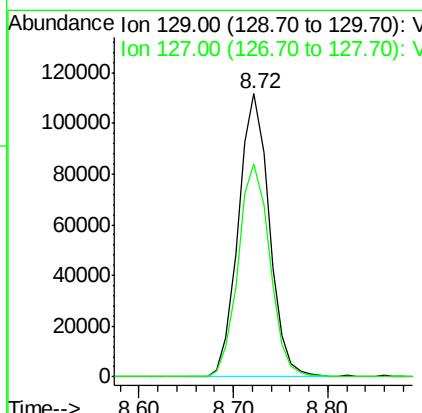
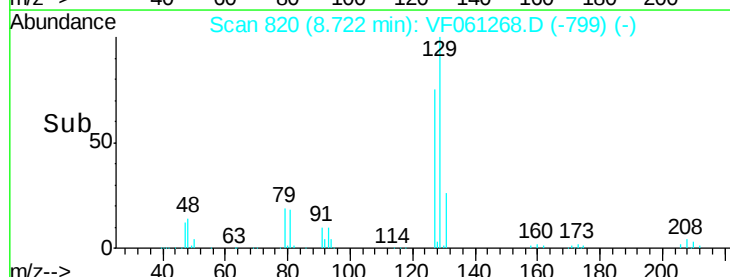
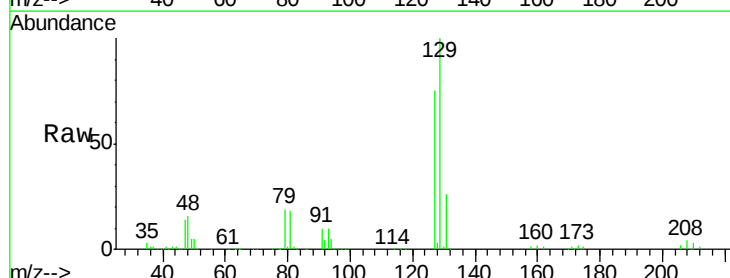
Manual Integrations
APPROVED

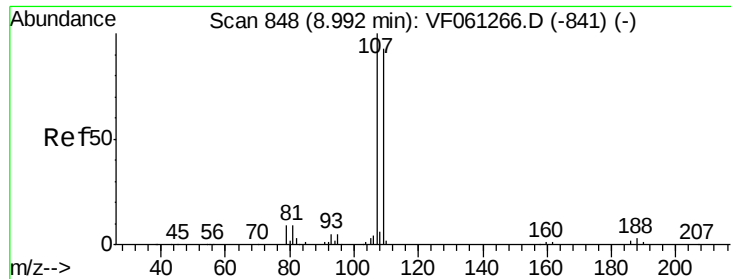
apatel
1/4/2019 2:12:42 PM



#60
Dibromochloromethane
Concen: 95.393 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion: 129 Resp: 253429
Ion Ratio Lower Upper
129 100
127 75.3 40.7 122.1





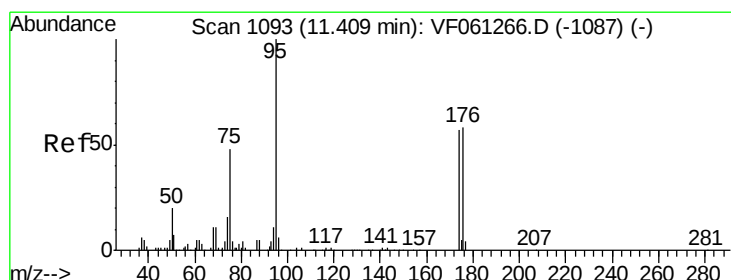
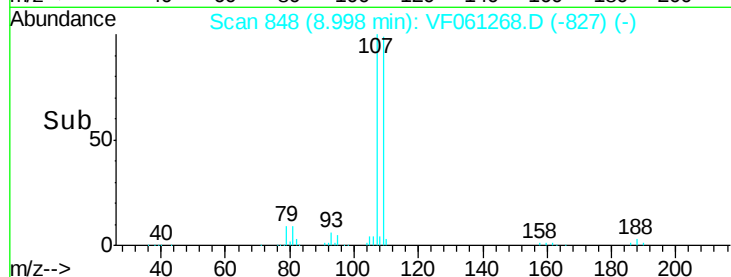
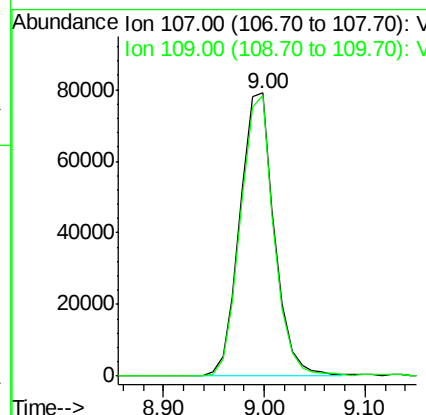
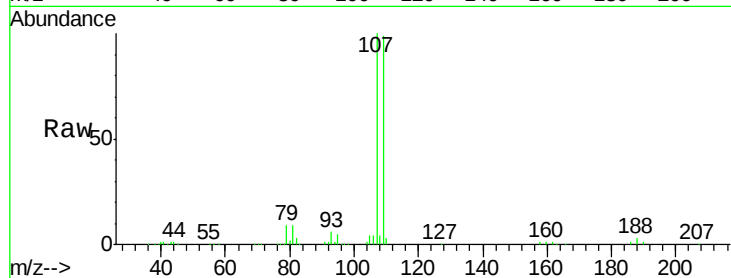
#61
 1,2-Dibromoethane
 Concen: 94.161 ug/l
 RT: 9.00 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.1	74.2	111.4

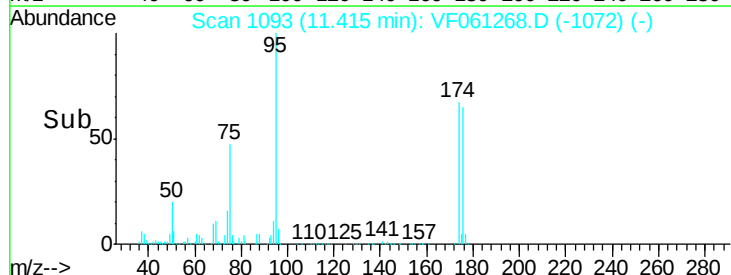
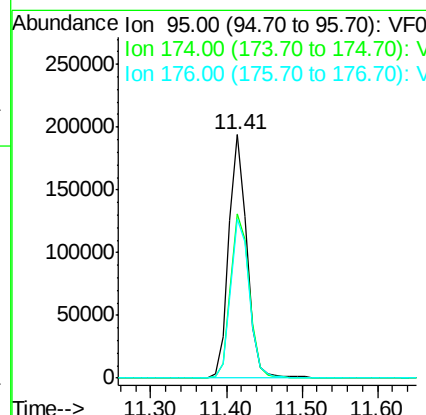
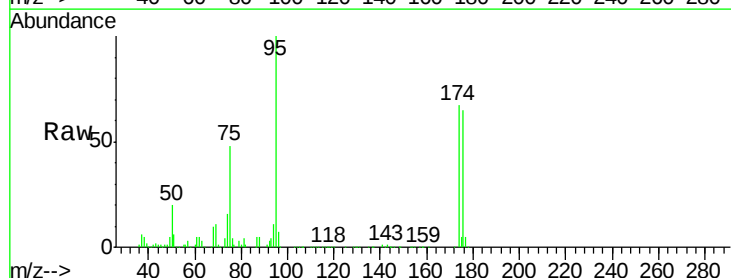
Manual Integrations
 APPROVED

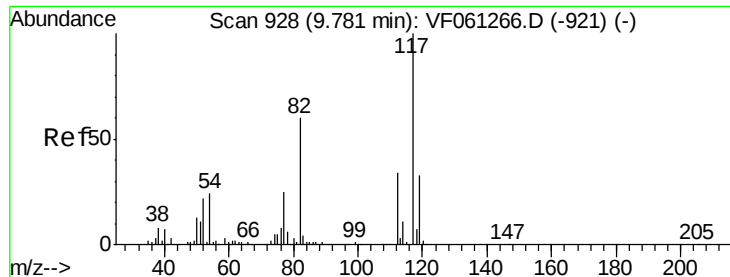
apatel
 1/4/2019 2:12:42 PM



#62
 4-Bromofluorobenzene
 Concen: 84.641 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. 0.01 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.3	0.0	113.2
176	65.1	0.0	115.6





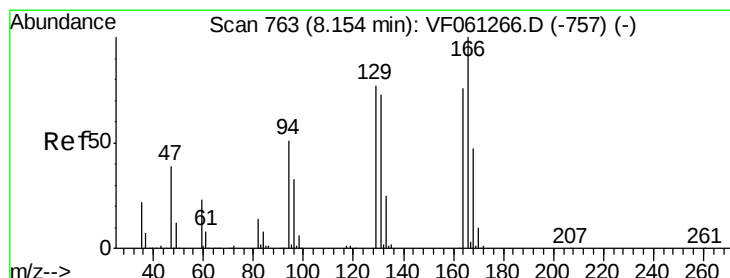
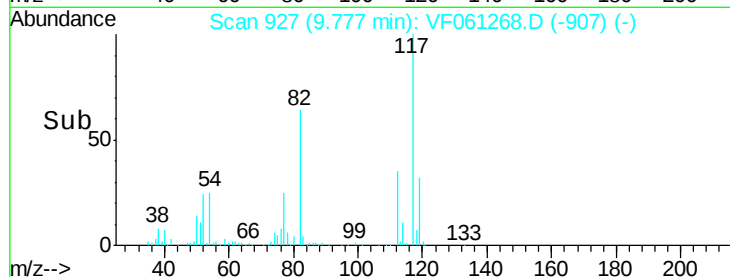
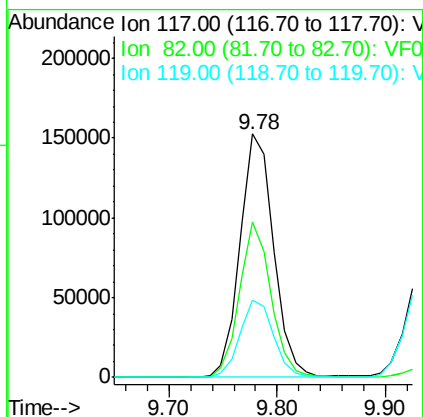
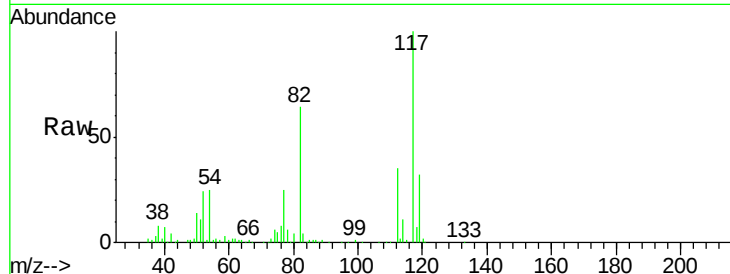
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	330759		
82	64.0		47.8	71.6
119	31.8		26.1	39.1

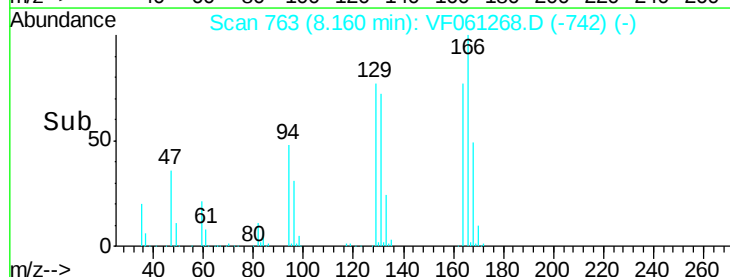
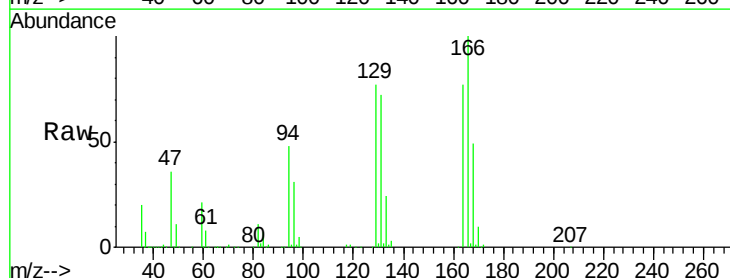
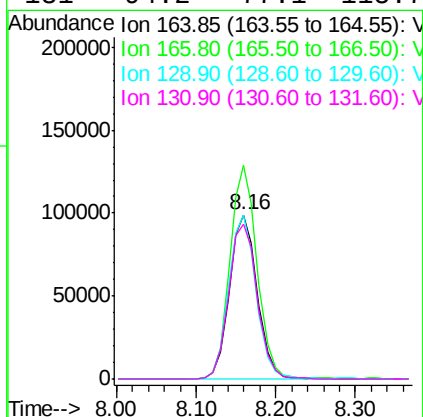
Manual Integrations
APPROVED

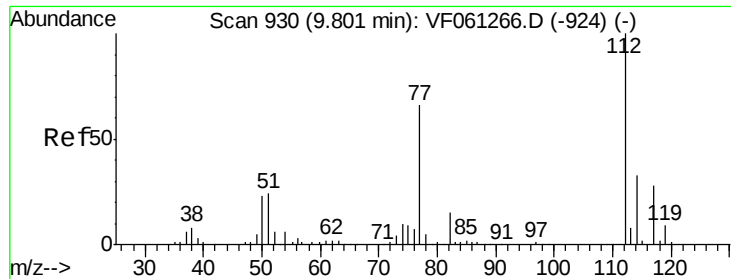
apatel
1/4/2019 2:12:42 PM



#64
Tetrachloroethene
Concen: 93.407 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	240025		
166	130.1		105.1	157.7
129	100.0		81.0	121.6
131	94.2		77.1	115.7





#65

Chlorobenzene

Concen: 88.525 ug/l

RT: 9.81 min Scan# 930

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 611835

Ion Ratio Lower Upper

112 100

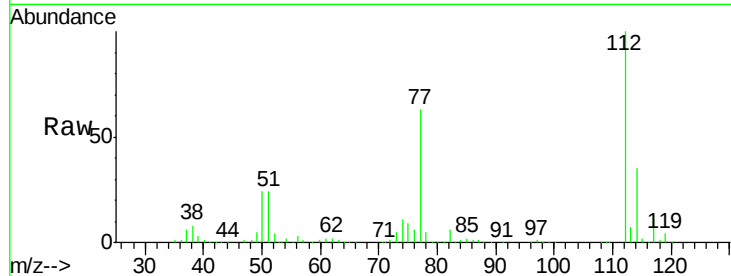
114 34.7 26.4 39.6

Manual Integrations

APPROVED

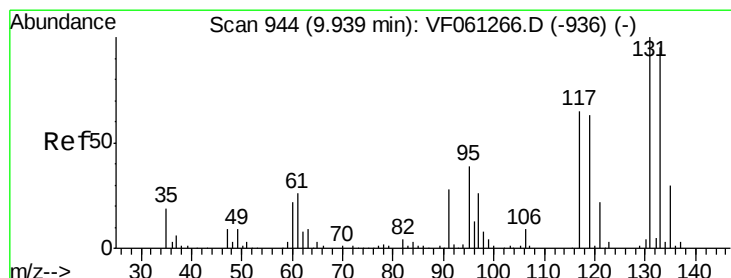
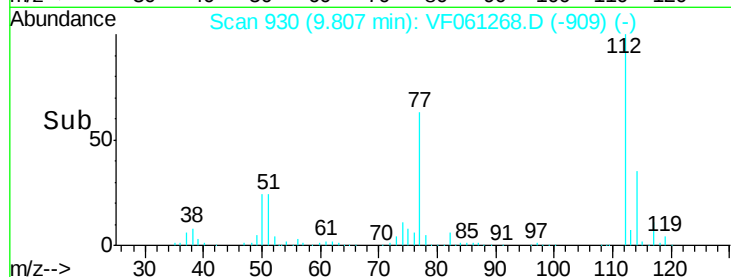
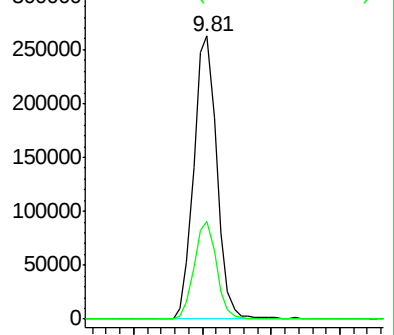
apatel

1/4/2019 2:12:42 PM



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 88.943 ug/l

RT: 9.94 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

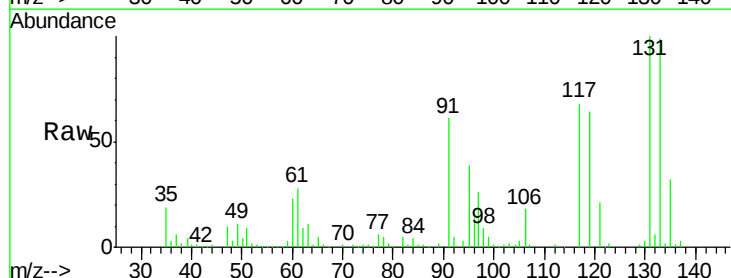
Tgt Ion:131 Resp: 251307

Ion Ratio Lower Upper

131 100

133 99.0 47.5 142.5

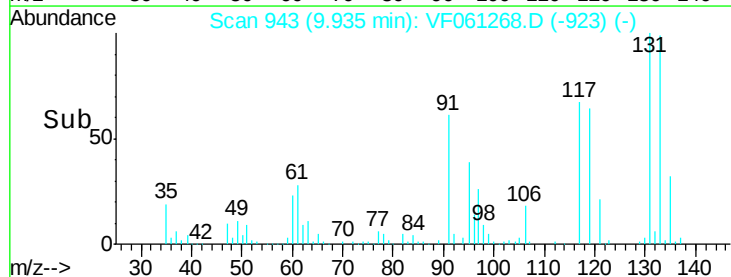
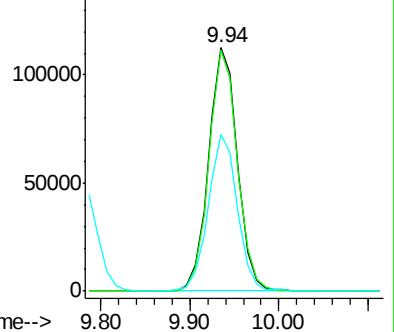
119 64.3 32.2 96.6

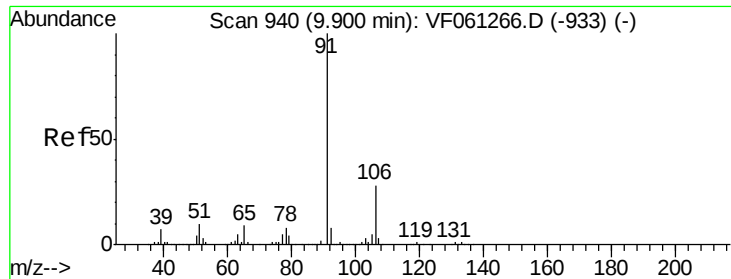


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 85.850 ug/l

RT: 9.91 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1086958

Ion Ratio Lower Upper

91 100

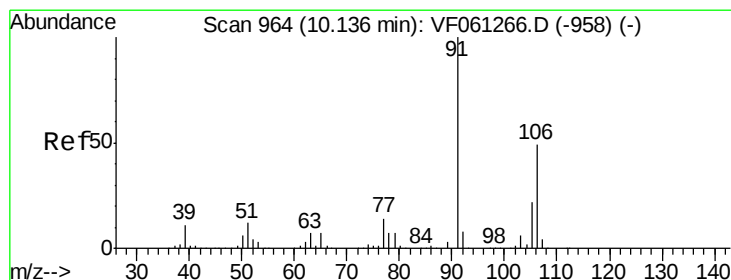
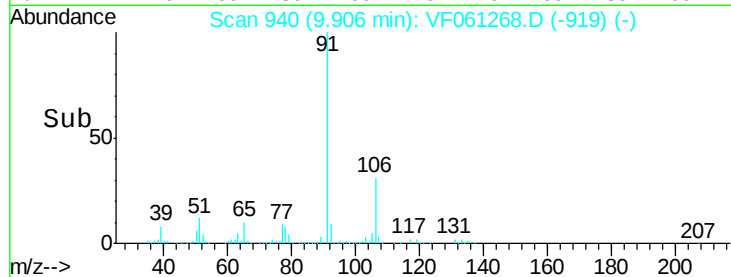
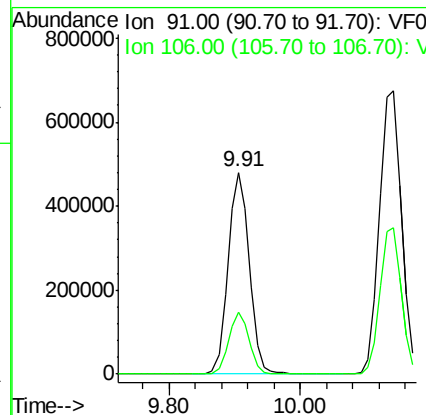
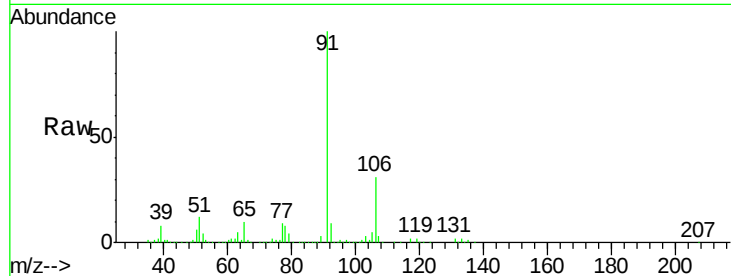
106 30.6 22.8 34.2

Manual Integrations

APPROVED

apatel

1/4/2019 2:12:42 PM



#68

m/p-Xylenes

Concen: 180.551 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF061268.D

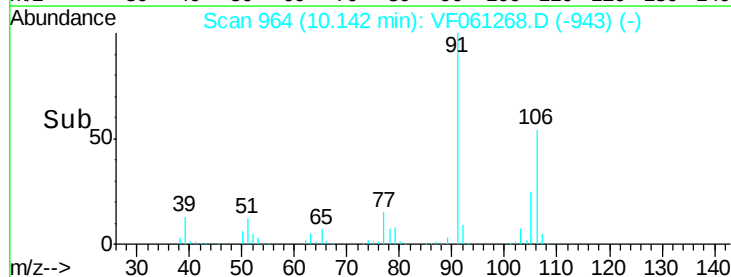
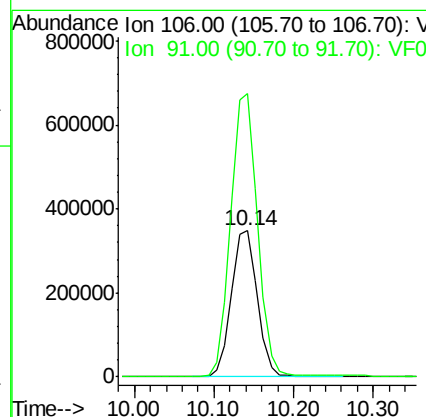
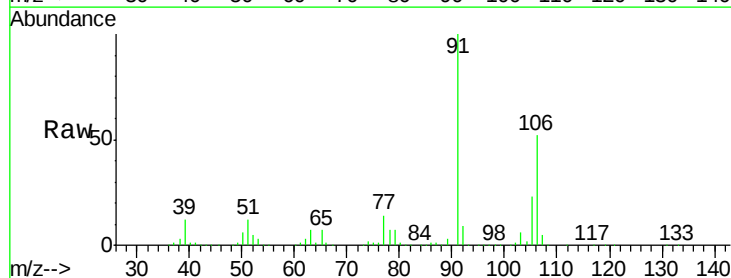
Acq: 3 Jan 2019 16:43

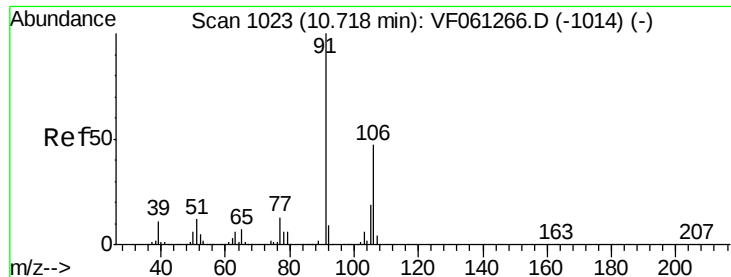
Tgt Ion: 106 Resp: 799136

Ion Ratio Lower Upper

106 100

91 193.8 164.8 247.2





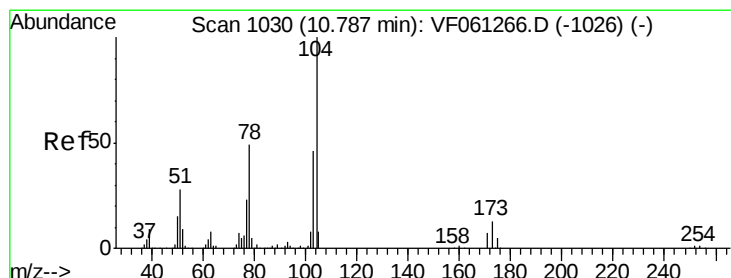
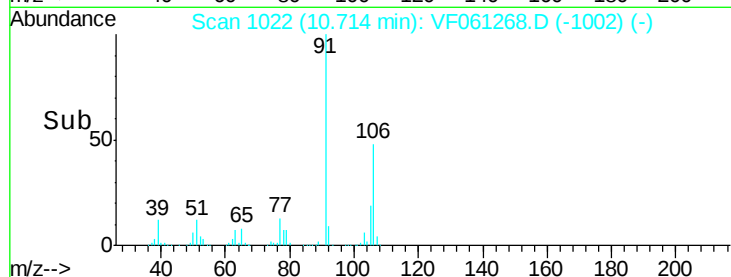
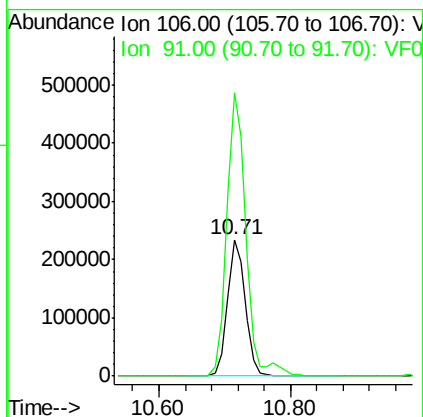
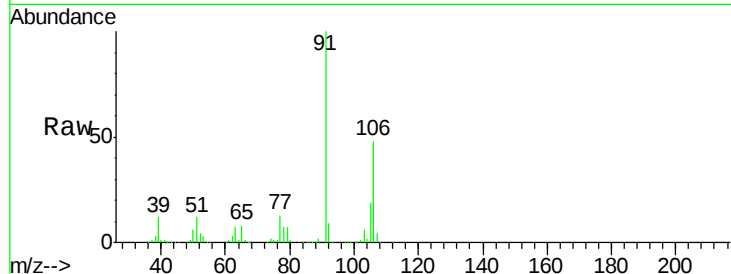
#69
o-Xylene
Concen: 90.366 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 447596
Ion Ratio Lower Upper
106 100
91 207.7 106.2 318.5

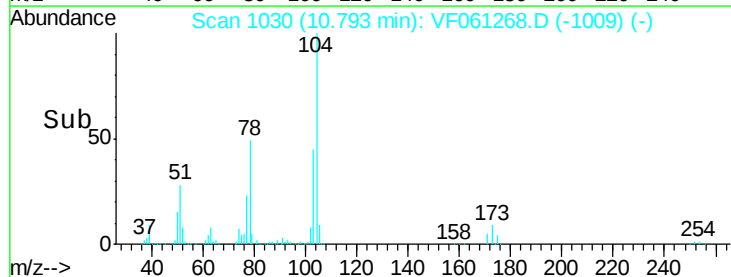
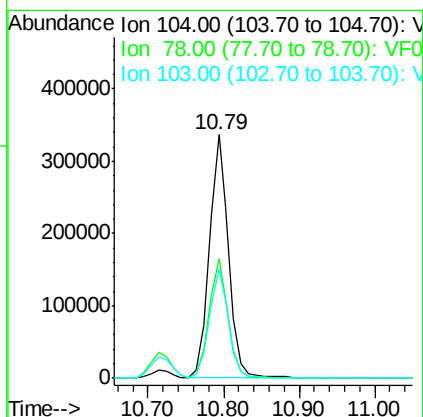
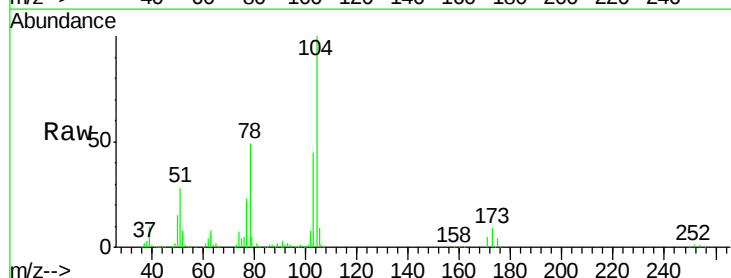
Manual Integrations
APPROVED

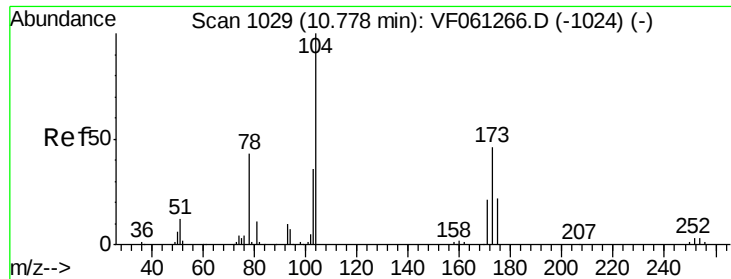
apatel
1/4/2019 2:12:42 PM



#70
Styrene
Concen: 86.702 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion:104 Resp: 593610
Ion Ratio Lower Upper
104 100
78 48.9 39.3 58.9
103 44.8 37.3 55.9





#71

Bromoform

Concen: 94.224 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

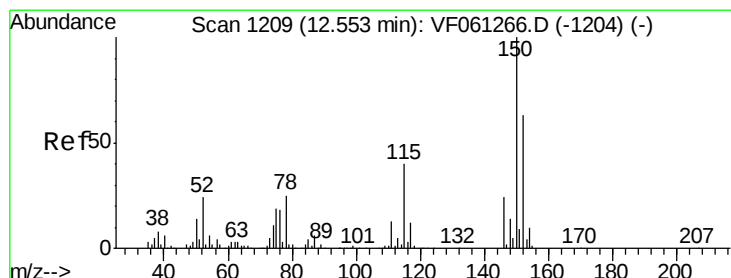
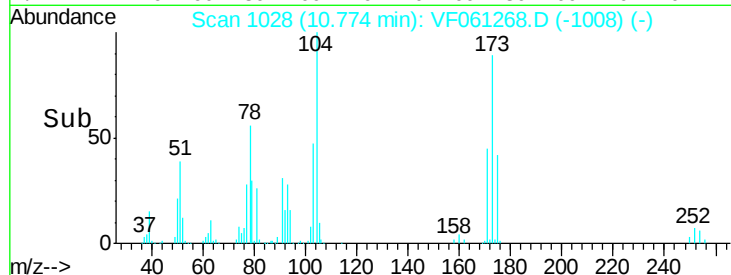
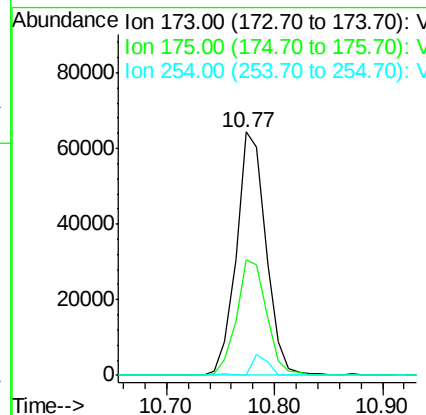
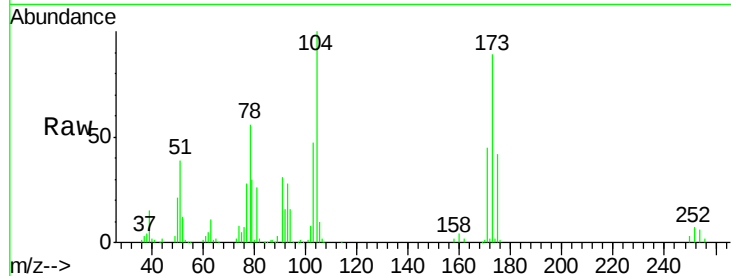
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	5.3	7.9#

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:42 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

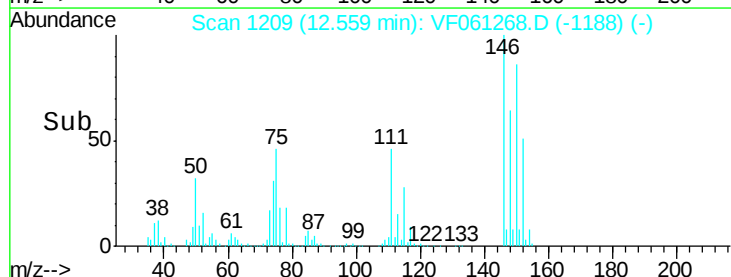
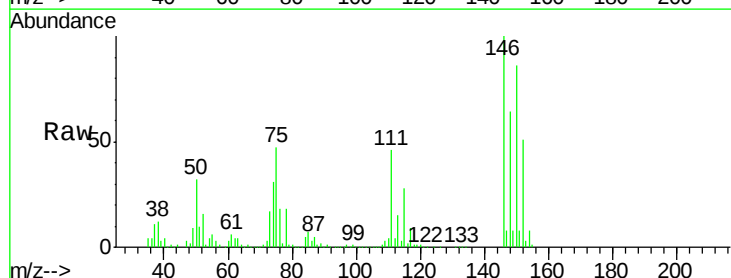
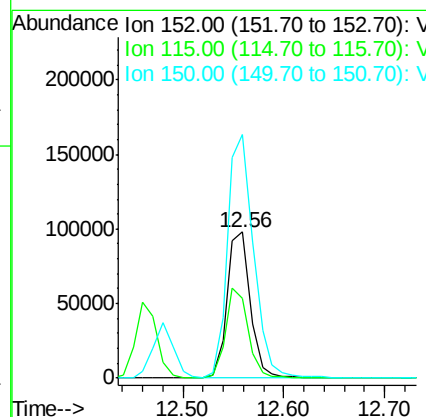
RT: 12.56 min Scan# 1209

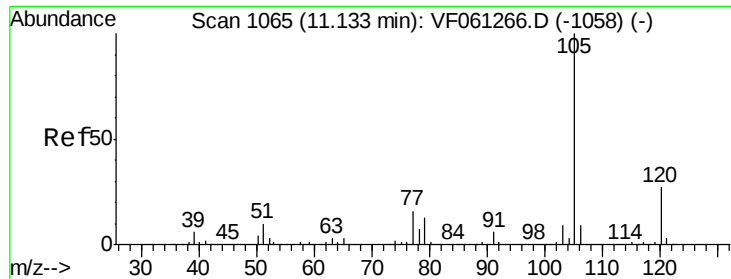
Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	31.6	94.7
150	166.7	0.0	320.2





#73

Isopropylbenzene

Concen: 87.983 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1199673

Ion Ratio Lower Upper

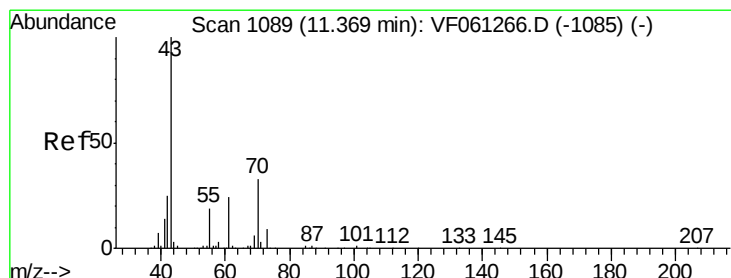
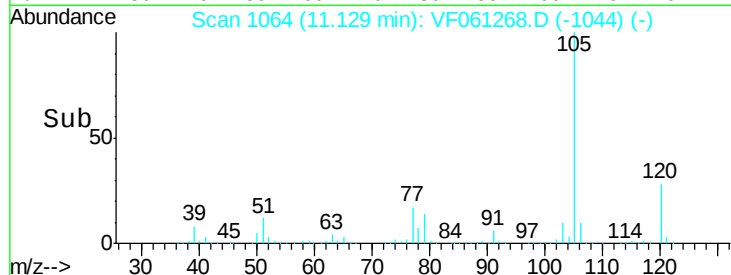
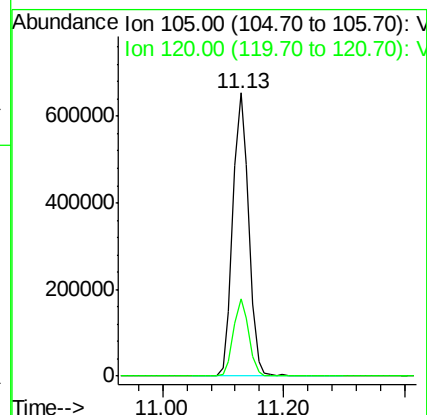
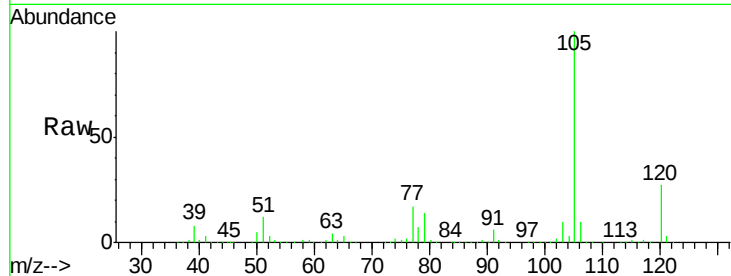
105 100

120 27.5 13.4 40.1

Manual Integrations
APPROVED

apatel

1/4/2019 2:12:42 PM



#74

N-ethyl acetate

Concen: 104.814 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tgt Ion: 43 Resp: 319229

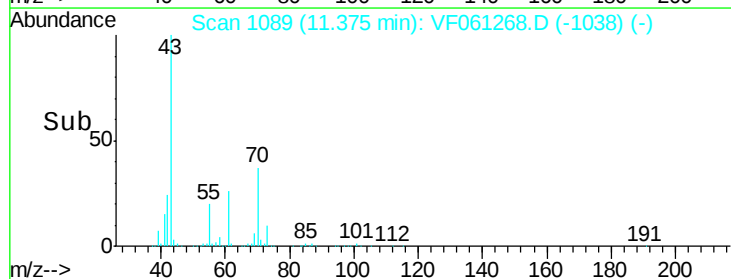
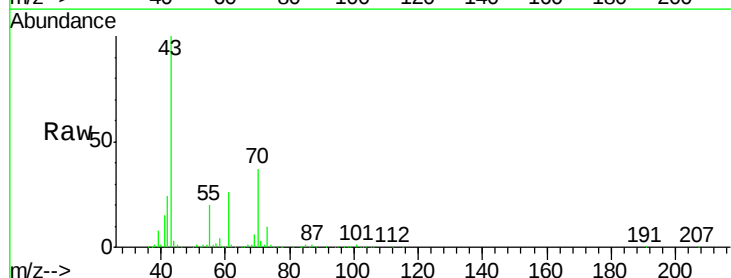
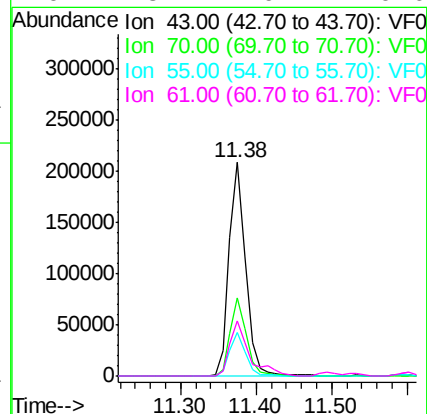
Ion Ratio Lower Upper

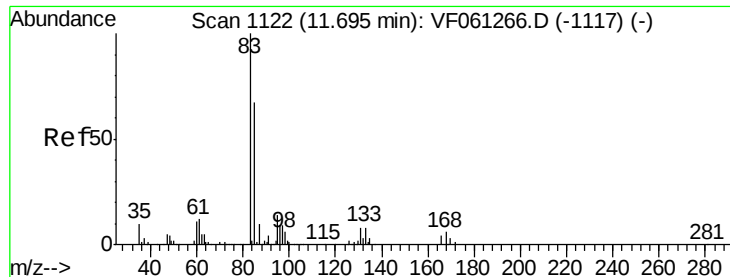
43 100

70 36.6 26.7 40.1

55 20.4 15.4 23.0

61 25.7 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 95.330 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 213326
Ion Ratio Lower Upper

83 100

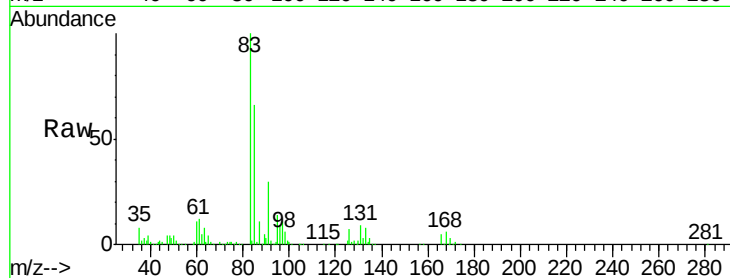
131 9.4 4.0 12.0

85 65.6 33.6 100.8

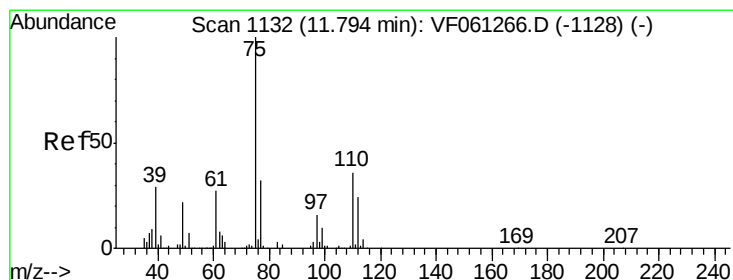
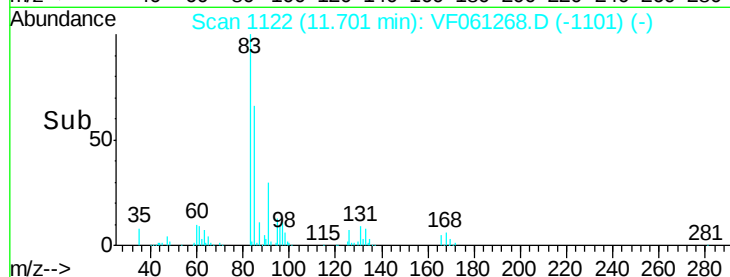
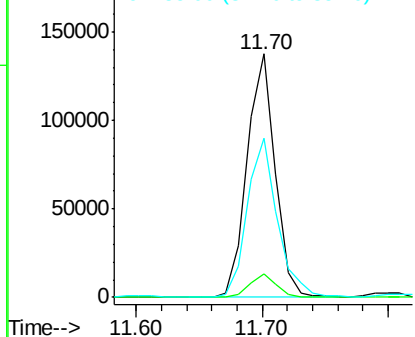
Manual Integrations
APPROVED

apatel

1/4/2019 2:12:42 PM



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): VF0
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 95.474 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.01 min

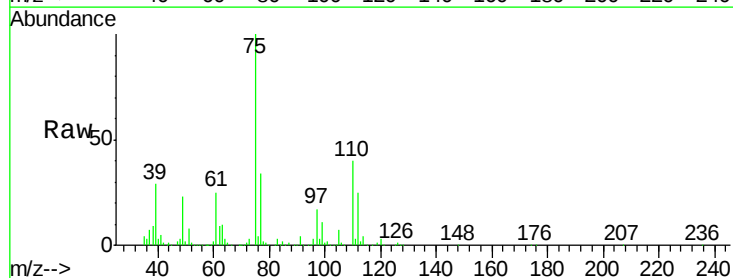
Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

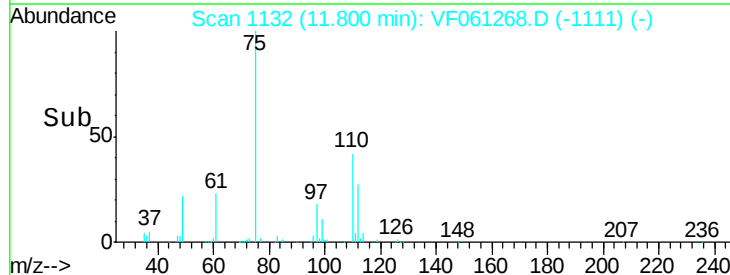
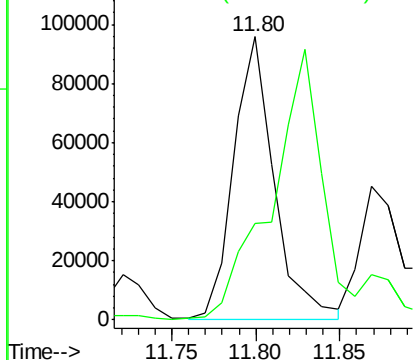
Tgt Ion: 75 Resp: 159121
Ion Ratio Lower Upper

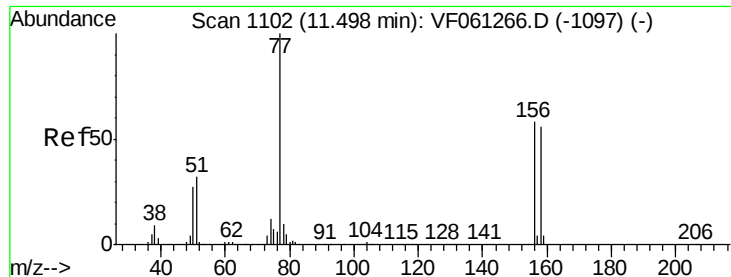
75 100

77 34.1 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 89.184 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 260214

Ion Ratio Lower Upper

156 100

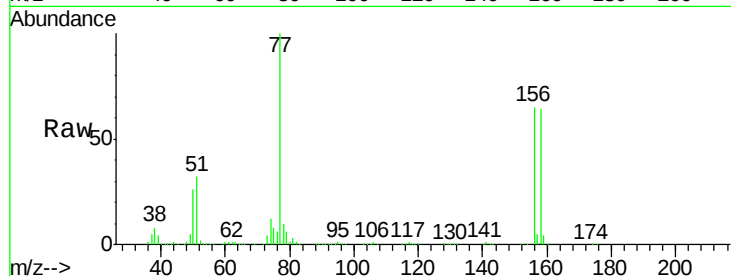
77 153.0 85.8 257.3

158 97.8 47.6 142.8

Manual Integrations
APPROVED

apatel

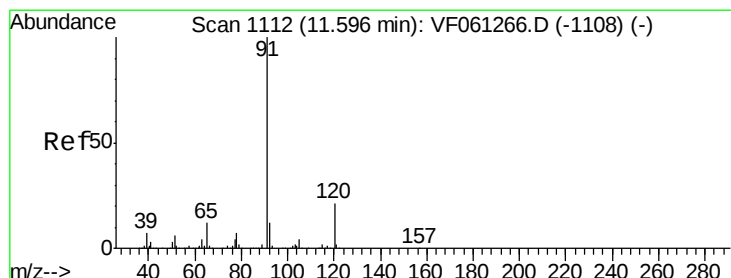
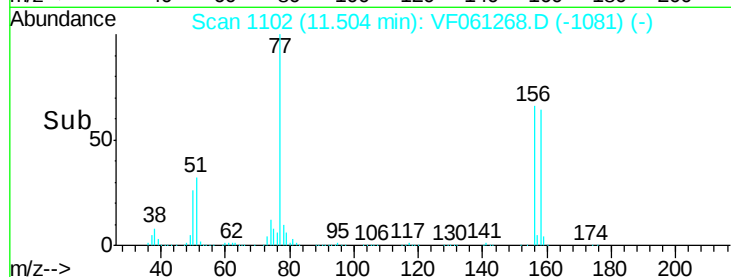
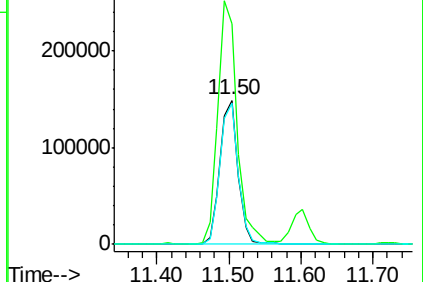
1/4/2019 2:12:42 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 85.616 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061268.D

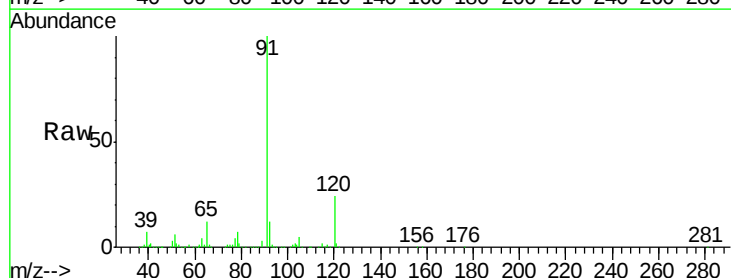
Acq: 3 Jan 2019 16:43

Tgt Ion: 91 Resp: 1371850

Ion Ratio Lower Upper

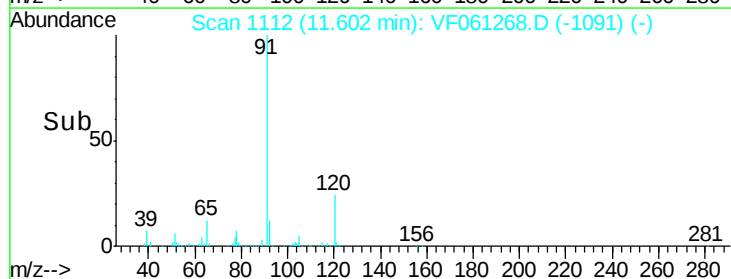
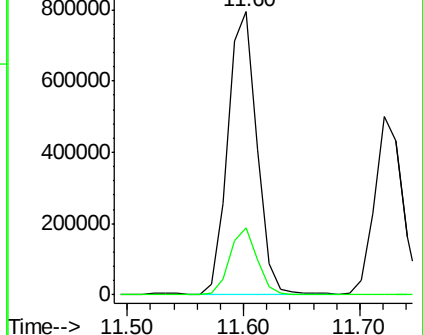
91 100

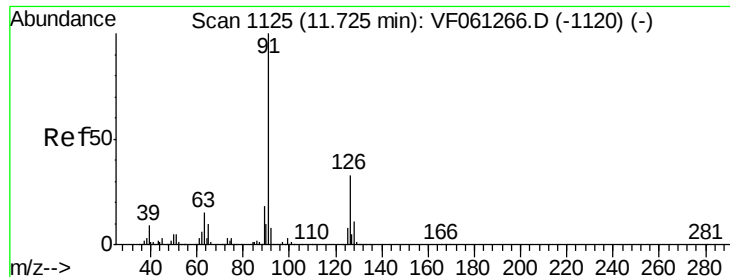
120 23.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





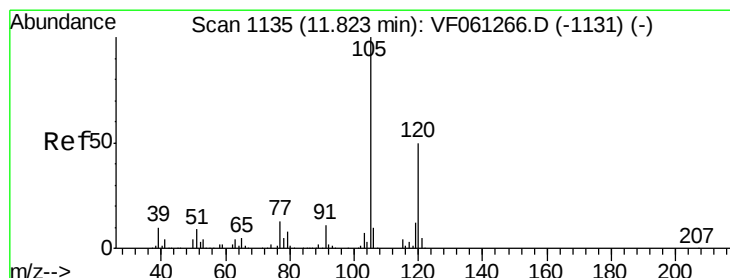
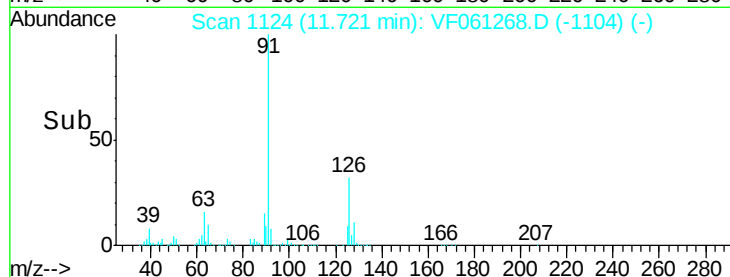
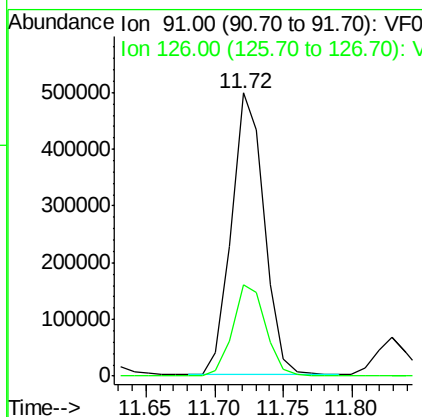
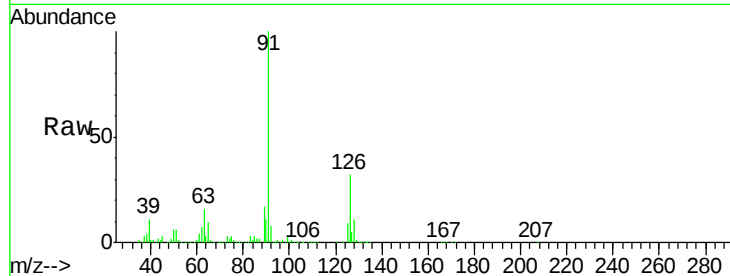
#79
 2-Chlorotoluene
 Concen: 88.315 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 821780
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.3 48.8

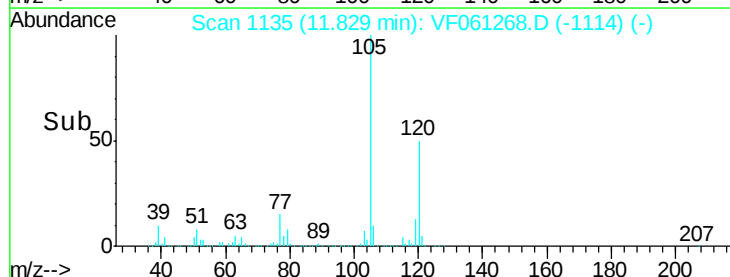
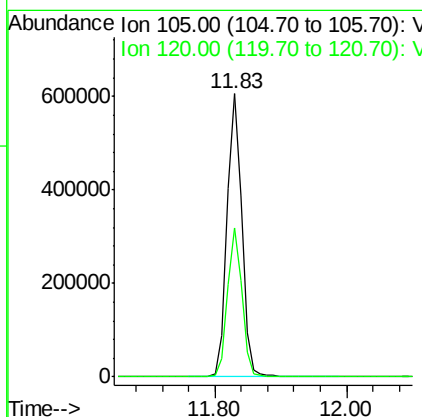
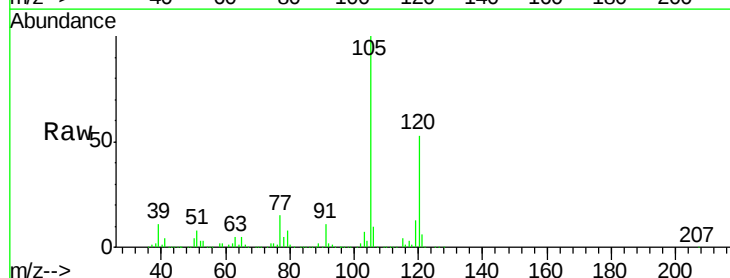
Manual Integrations
 APPROVED

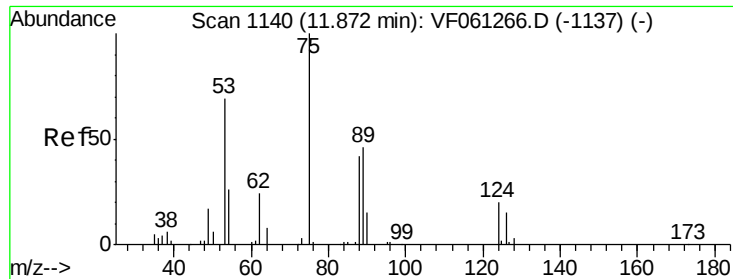
apatel
 1/4/2019 2:12:42 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 86.119 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Tgt Ion: 105 Resp: 959815
 Ion Ratio Lower Upper
 105 100
 120 52.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 96.479 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

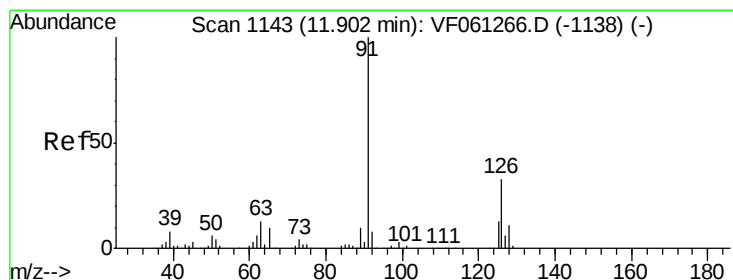
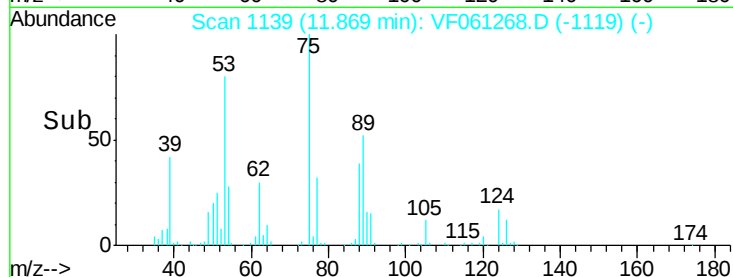
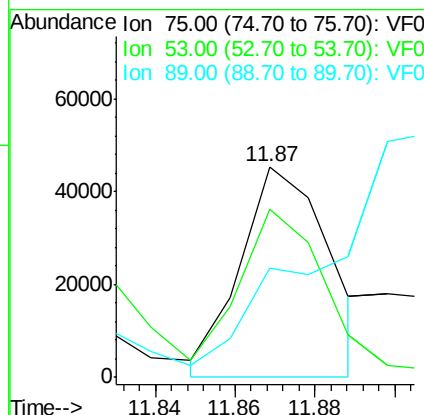
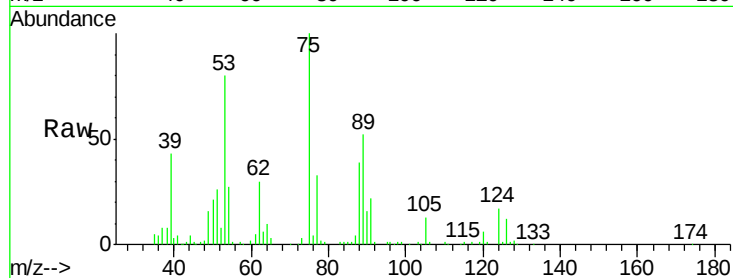
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	70205
Ion	Ratio	Lower	Upper
75	100		
53	80.0	61.7	92.5
89	51.8	40.3	60.5

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:42 PM



#82

4-Chlorotoluene

Concen: 84.367 ug/l

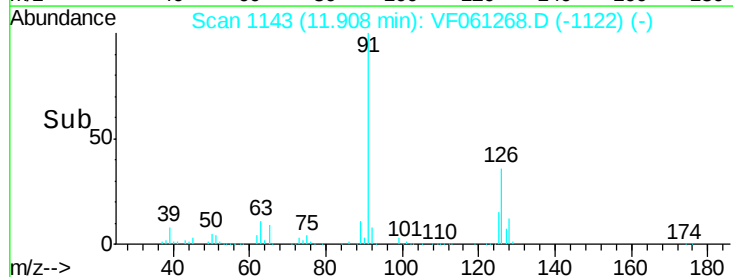
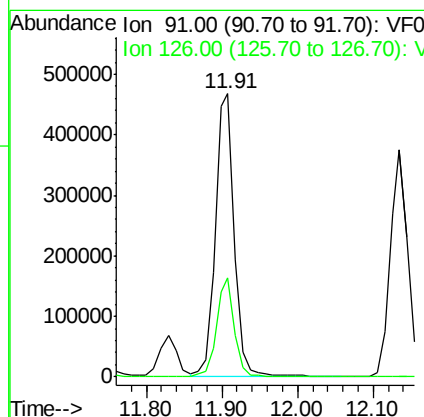
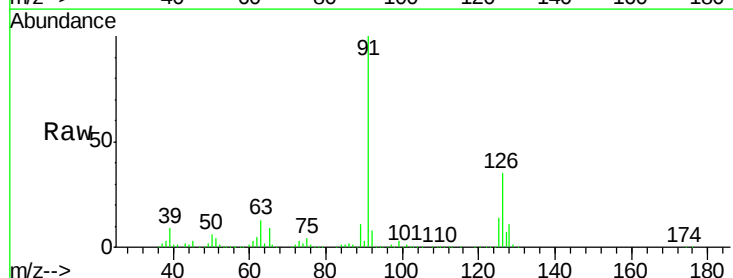
RT: 11.91 min Scan# 1143

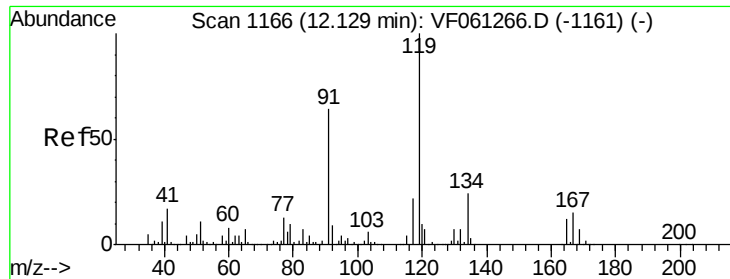
Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tgt Ion:	91	Resp:	815824
Ion	Ratio	Lower	Upper
91	100		
126	34.8	16.3	48.8





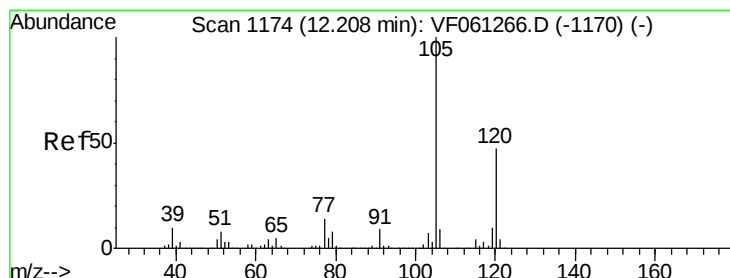
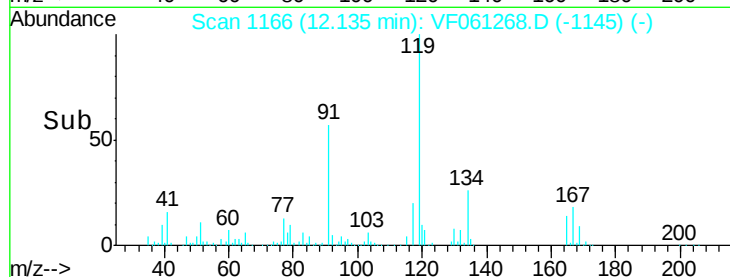
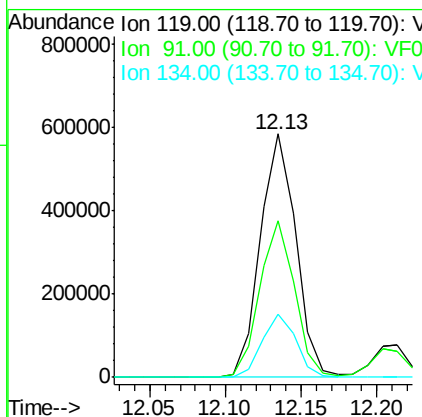
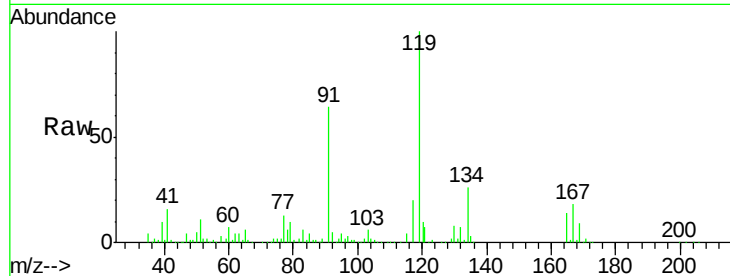
#83
tert-Butylbenzene
Concen: 84.614 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	969594		
91	64.2	32.0	96.0	
134	25.8	12.1	36.3	

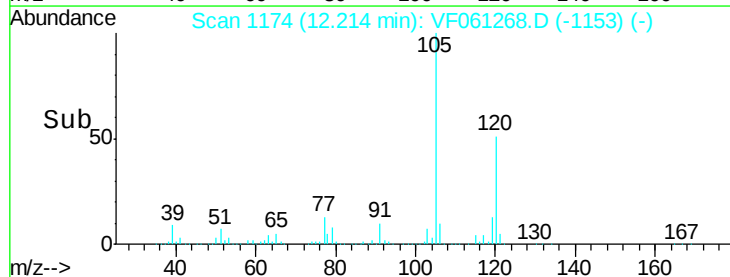
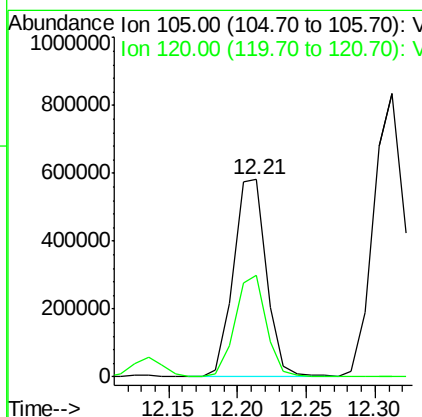
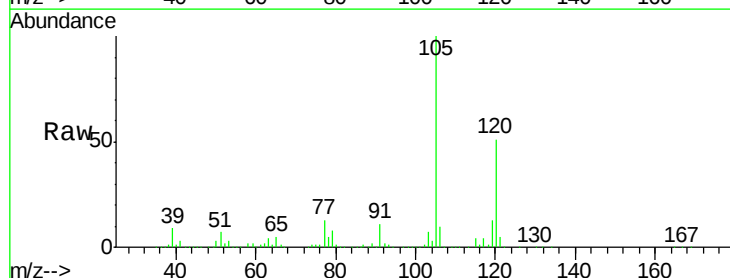
Manual Integrations
APPROVED

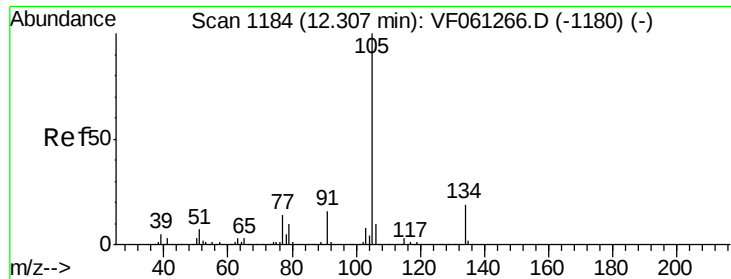
apatel
1/4/2019 2:12:42 PM



#84
1,2,4-Trimethylbenzene
Concen: 87.488 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	972500		
120	51.2	23.3	69.9	





#85

sec-Butylbenzene

Concen: 88.417 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1332555

Ion Ratio Lower Upper

105 100

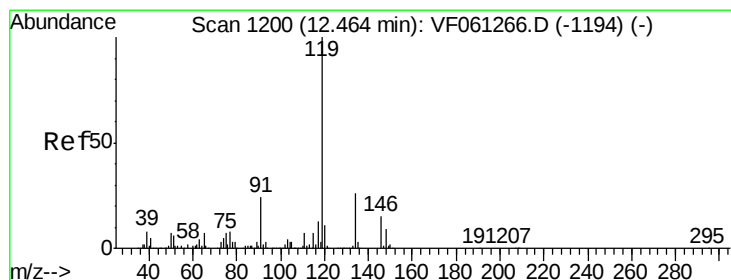
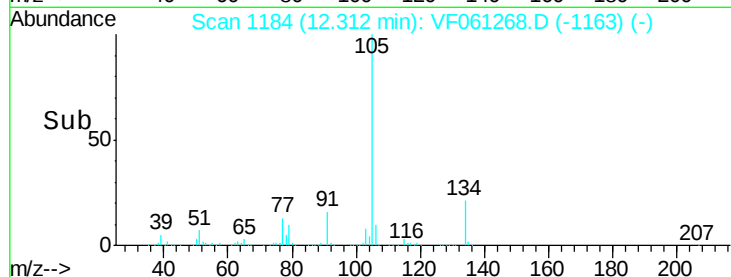
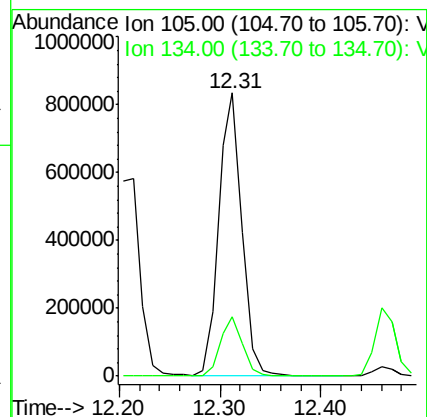
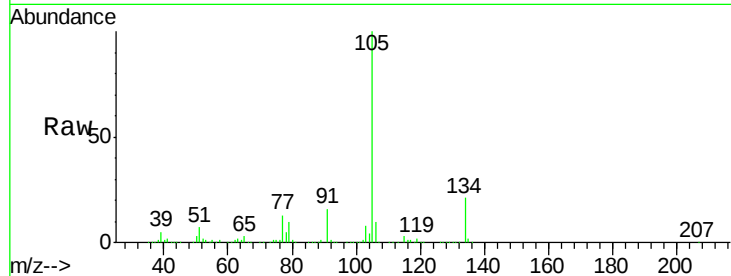
134 21.0 9.4 28.2

Manual Integrations

APPROVED

apatel

1/4/2019 2:12:42 PM



#86

p-Isopropyltoluene

Concen: 88.403 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

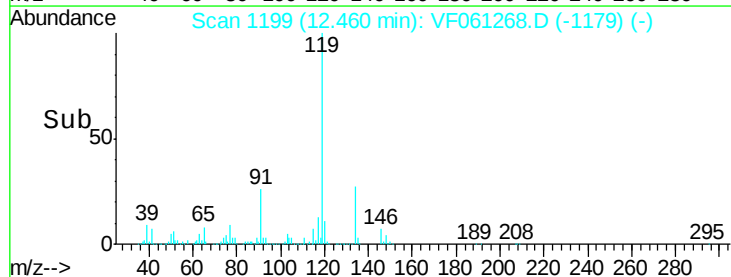
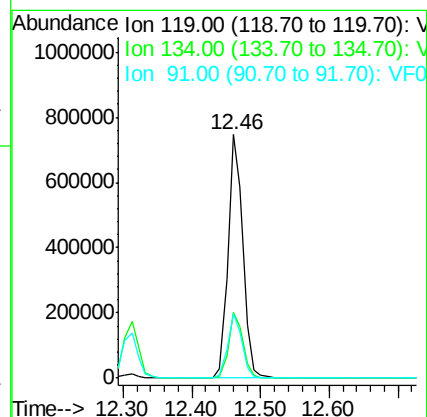
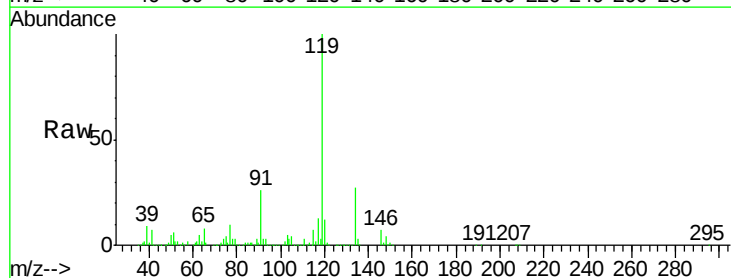
Tgt Ion:119 Resp: 1107949

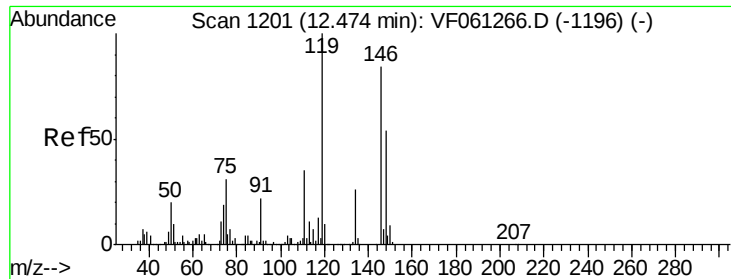
Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.6

91 26.2 11.9 35.7





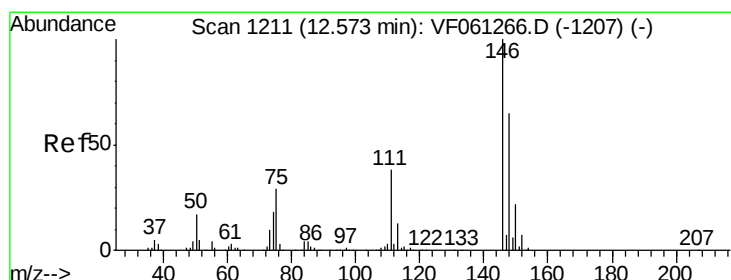
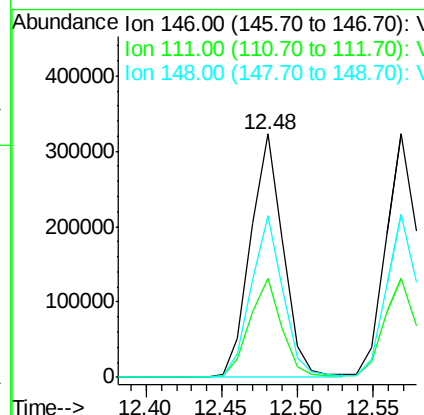
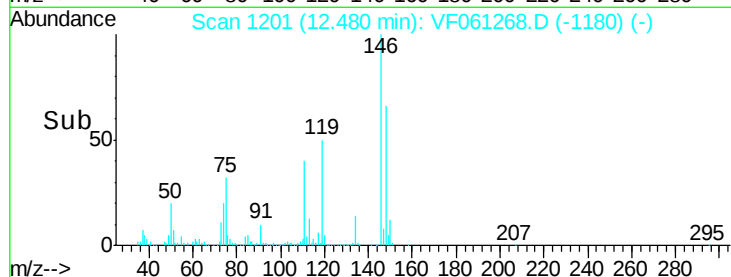
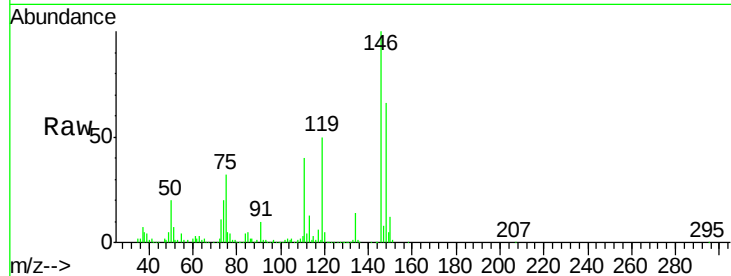
#87
 1,3-Dichlorobenzene
 Concen: 88.216 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.9	62.8
148	66.3	32.5	97.4

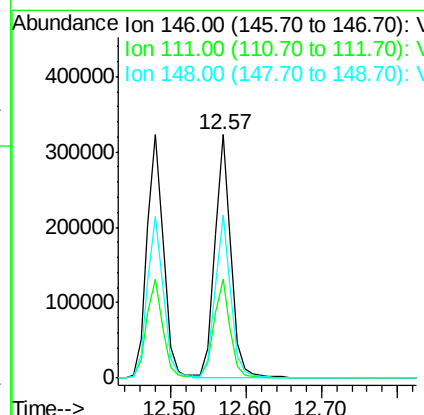
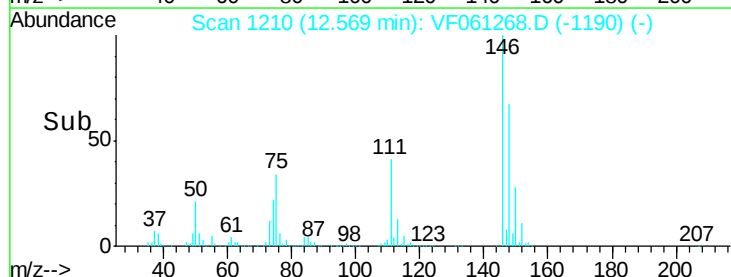
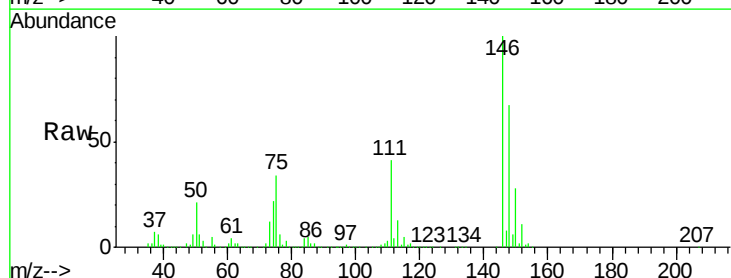
Manual Integrations
 APPROVED

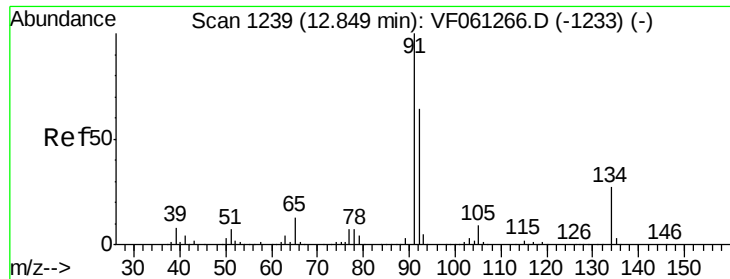
apatel
 1/4/2019 2:12:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 90.068 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.3	57.9
148	66.8	32.6	98.0





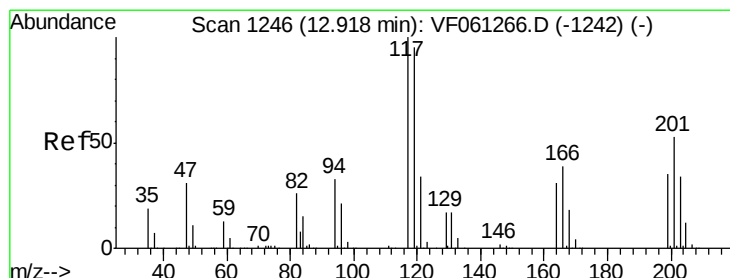
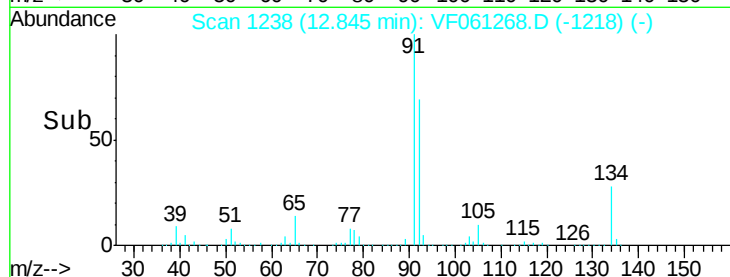
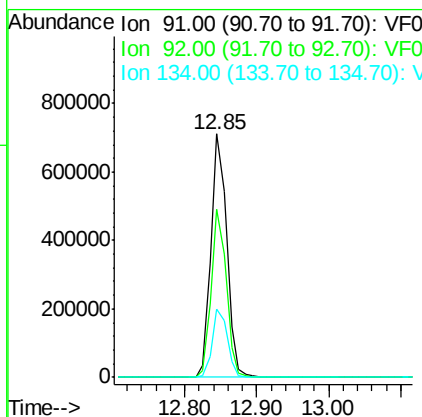
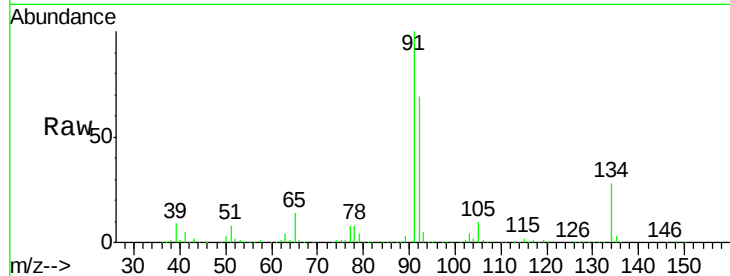
#89
n-Butylbenzene
Concen: 82.865 ug/l
RT: 12.85 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1072599
Ion Ratio Lower Upper
91 100
92 69.0 31.9 95.7
134 27.8 13.6 40.7

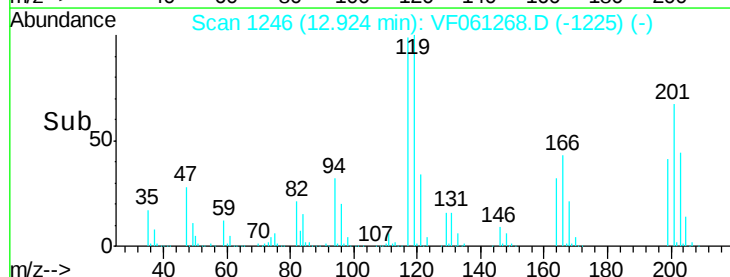
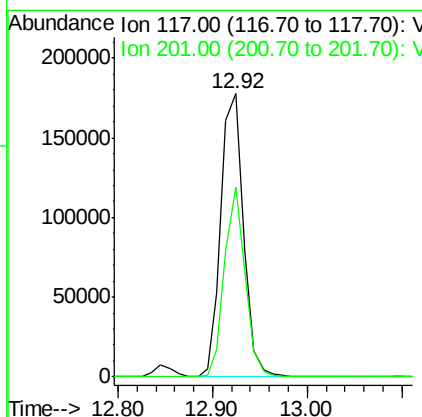
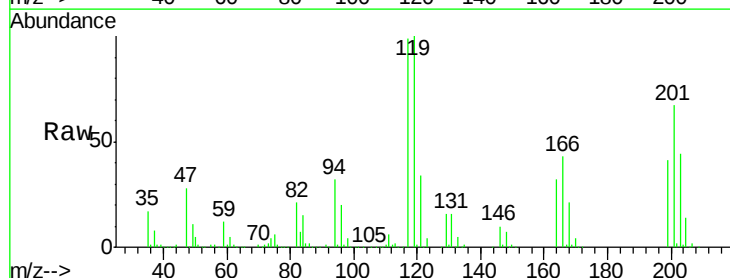
Manual Integrations
APPROVED

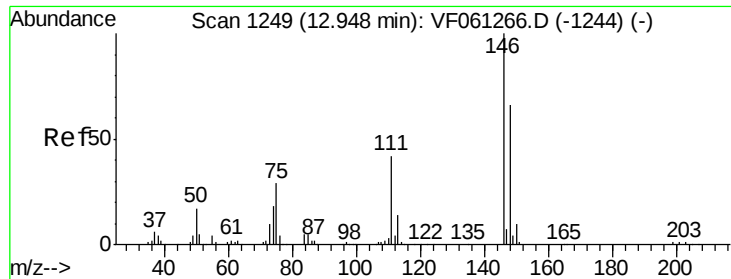
apatel
1/4/2019 2:12:42 PM



#90
Hexachloroethane
Concen: 95.593 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061268.D
Acq: 3 Jan 2019 16:43

Tgt Ion: 117 Resp: 295706
Ion Ratio Lower Upper
117 100
201 67.2 26.6 79.7





#91

1,2-Dichlorobenzene

Concen: 88.862 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

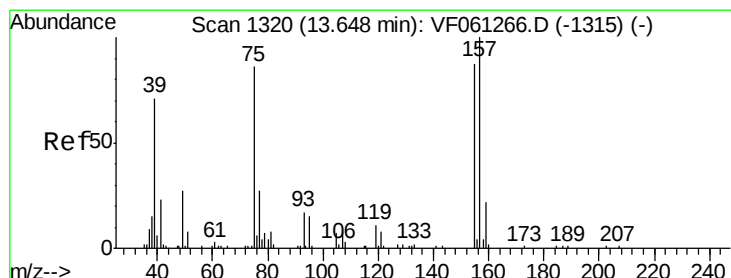
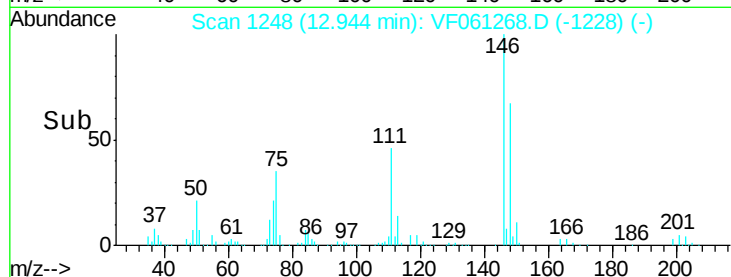
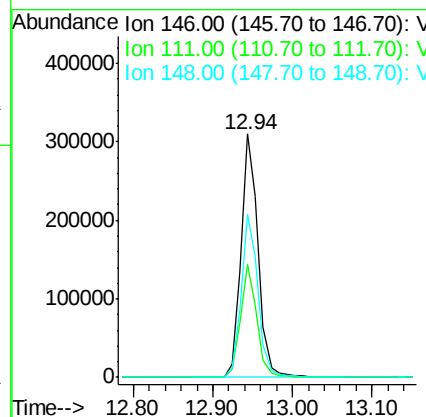
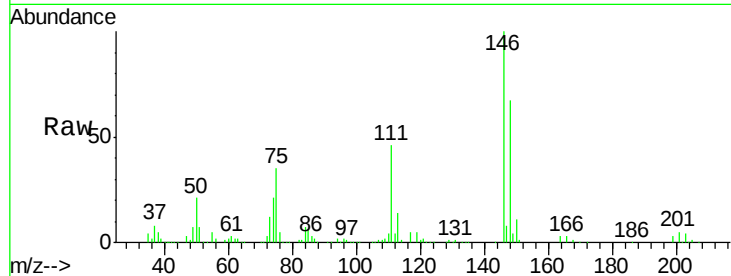
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	462532
Ion Ratio	Lower	Upper	
146	100		
111	46.2	21.1	63.4
148	67.0	32.8	98.4

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:42 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 106.575 ug/l

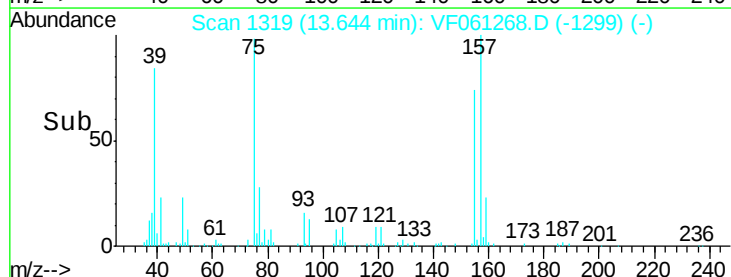
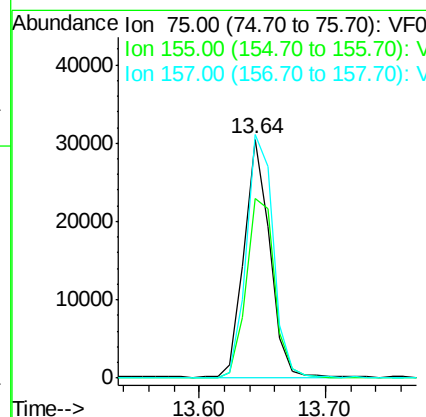
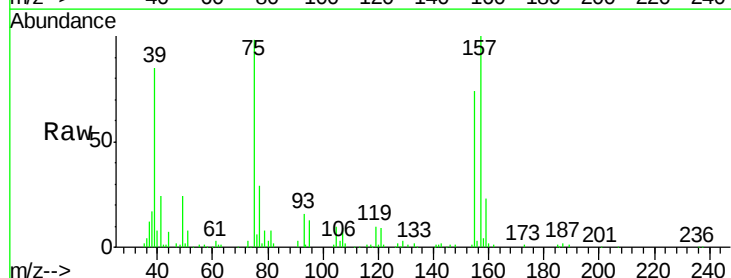
RT: 13.64 min Scan# 1319

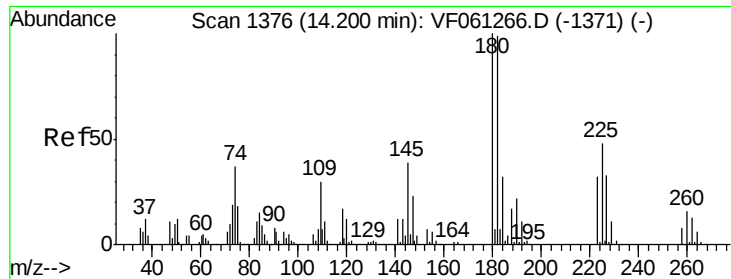
Delta R.T. -0.00 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tgt Ion:	75	Resp:	43316
Ion Ratio	Lower	Upper	
75	100		
155	75.5	50.6	151.8
157	102.0	58.0	173.9





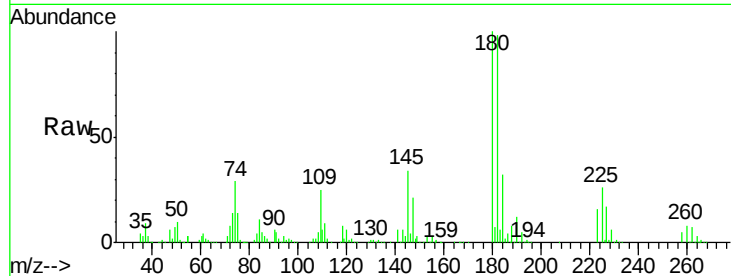
#93
 1,2,4-Trichlorobenzene
 Concen: 89.864 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

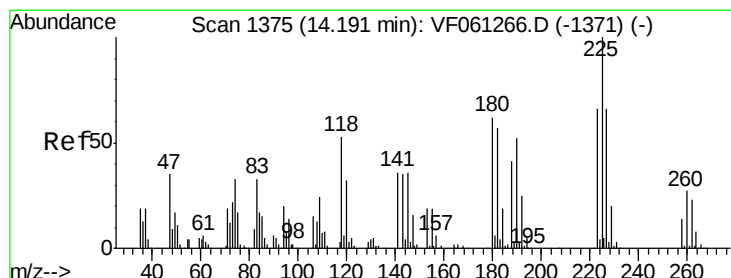
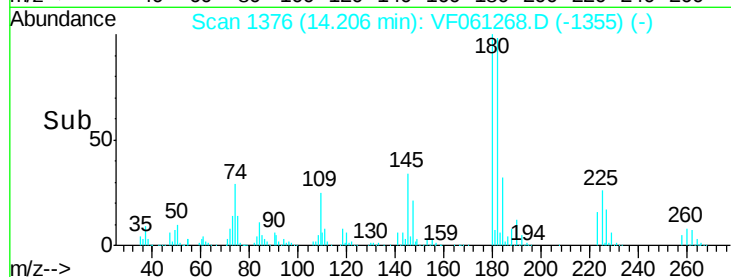
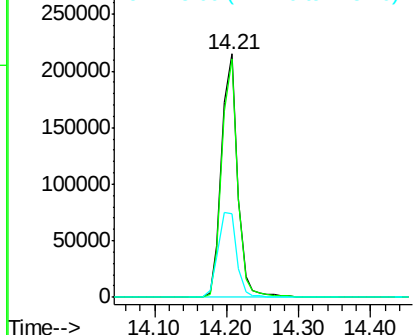
Tot Ion	Ratio	Resp	Lower	Upper
180	100	333343		
182	98.1	49.5	148.3	
145	34.2	19.7	59.0	

Manual Integrations
 APPROVED

apatel
 1/4/2019 2:12:42 PM

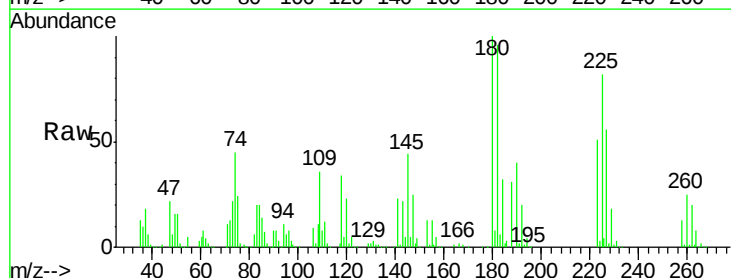


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

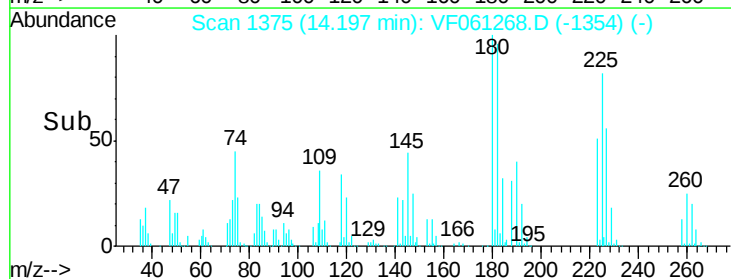
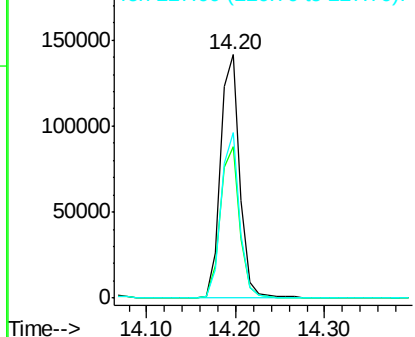


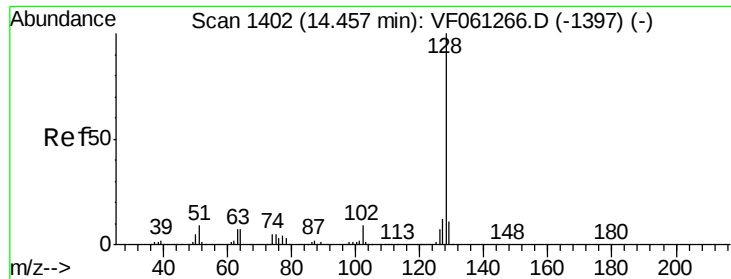
#94
 Hexachlorobutadiene
 Concen: 91.710 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061268.D
 Acq: 3 Jan 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	216574		
223	62.2	33.0	99.0	
227	67.8	32.8	98.4	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 102.186 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Instrument :

MSVOA_F

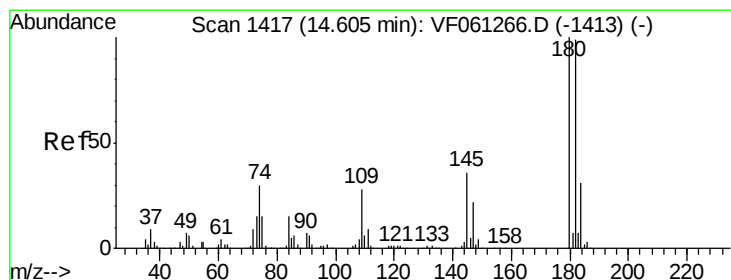
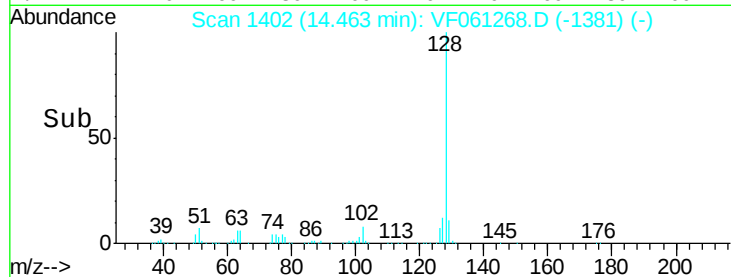
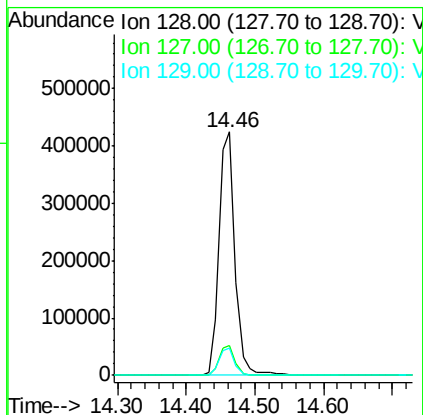
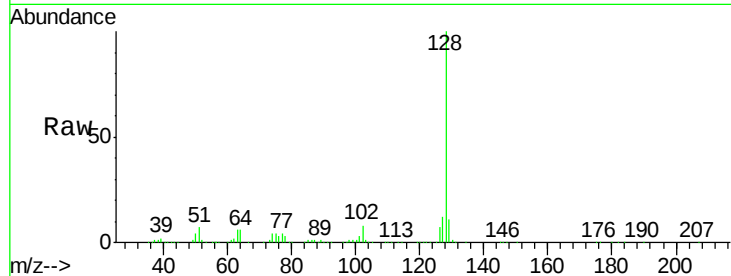
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	684857
Ion Ratio	Lower	Upper	
128	100		
127	12.4	9.8	14.6
129	11.3	9.0	13.4

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:42 PM



#96

1,2,3-Trichlorobenzene

Concen: 97.561 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF061268.D

Acq: 3 Jan 2019 16:43

Tgt Ion:	180	Resp:	331058
Ion Ratio	Lower	Upper	
180	100		
182	95.2	49.5	148.5
145	33.8	18.0	54.0

