

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\
 Data File : VD060104.D
 Acq On : 1 Oct 2018 18:46
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:31:23 PM

Quant Time: Oct 02 05:50:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1553182	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.42	114	2172436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1726995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	898811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	1146635	94.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.64%	
35) Dibromofluoromethane	6.30	113	1613425	94.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.74%	
50) Toluene-d8	9.43	98	4516526	94.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.92%	
62) 4-Bromofluorobenzene	12.42	95	1678491	93.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.66%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.56	85	1463230m	91.122	ug/l
3) Chloromethane	1.73	50	1353134	94.158	ug/l
4) Vinyl Chloride	1.83	62	1091654	94.631	ug/l
5) Bromomethane	2.10	94	97259	72.652	ug/l
6) Chloroethane	2.21	64	250409	97.629	ug/l
7) Trichlorofluoromethane	2.47	101	1245722	98.152	ug/l
8) Diethyl Ether	2.79	74	264859	98.051	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.05	101	762835	95.706	ug/l
10) Methyl Iodide	3.21	142	942623	110.829	ug/l
11) Tert butyl alcohol	3.94	59	433197	450.920	ug/l
12) 1,1-Dichloroethene	3.03	96	609014	96.491	ug/l
13) Acrolein	2.95	56	231953	390.813	ug/l
14) Allyl chloride	3.49	41	1297562	97.728	ug/l
15) Acrylonitrile	4.05	53	1625757	446.481	ug/l
16) Acetone	3.13	43	931372	405.752	ug/l
17) Carbon Disulfide	3.27	76	2148750	99.028	ug/l
18) Methyl Acetate	3.52	43	443311	93.782	ug/l
19) Methyl tert-butyl Ether	4.08	73	2647680	90.897	ug/l
20) Methylene Chloride	3.68	84	1622049	82.863	ug/l
21) trans-1,2-Dichloroethene	4.05	96	1564574	94.333	ug/l
22) Diisopropyl ether	4.82	45	5641263	93.578	ug/l
23) Vinyl Acetate	4.78	43	14582503	426.244	ug/l
24) 1,1-Dichloroethane	4.72	63	2603237	95.647	ug/l
25) 2-Butanone	5.59	43	2530588	408.636	ug/l
26) 2,2-Dichloropropane	5.55	77	1872145	88.879	ug/l
27) cis-1,2-Dichloroethene	5.56	96	1681994	97.025	ug/l
28) Bromochloromethane	5.89	49	1276902	96.528	ug/l
29) Tetrahydrofuran	5.92	42	1442960	434.480	ug/l
30) Chloroform	6.07	83	2611148	94.999	ug/l
31) Cyclohexane	6.33	56	2322230	88.137	ug/l
32) 1,1,1-Trichloroethane	6.26	97	2135892	94.010	ug/l
36) 1,1-Dichloropropene	6.49	75	1936937	91.128	ug/l
37) Ethyl Acetate	5.67	43	1306185	88.999	ug/l
38) Carbon Tetrachloride	6.47	117	1805723	91.484	ug/l

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\
 Data File : VD060104.D
 Acq On : 1 Oct 2018 18:46
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:31:23 PM

Quant Time: Oct 02 05:50:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	2250645	93.327	ug/l	99
40) Benzene	6.77	78	5032539	92.777	ug/l	100
41) Methacrylonitrile	5.90	41	643980m	82.467	ug/l	
42) 1,2-Dichloroethane	6.87	62	1503414	92.412	ug/l	100
43) Isopropyl Acetate	8.32	43	1760035	90.503	ug/l	99
44) Trichloroethene	7.71	130	1640834	97.391	ug/l	98
45) 1,2-Dichloropropane	8.08	63	1394809	96.064	ug/l	99
46) Dibromomethane	8.19	93	899967	95.360	ug/l	90
47) Bromodichloromethane	8.47	83	1921101	94.163	ug/l	99
48) Methyl methacrylate	8.22	41	1019298	94.017	ug/l	97
49) 1,4-Dioxane	8.20	88	203886	1889.763	ug/l	97
51) 4-Methyl-2-Pentanone	9.33	43	5339939	400.261	ug/l	99
52) Toluene	9.53	92	3285553	93.848	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	1776110	93.221	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	2139051	94.093	ug/l	100
55) 1,1,2-Trichloroethane	10.16	97	1078846	88.851	ug/l	99
56) Ethyl methacrylate	10.02	69	1253583	93.659	ug/l	99
57) 1,3-Dichloropropane	10.37	76	1703953	95.288	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	3137376	475.349	ug/l	100
59) 2-Hexanone	10.48	43	3776096	392.236	ug/l	97
60) Dibromochloromethane	10.63	129	1423188	97.148	ug/l	97
61) 1,2-Dibromoethane	10.74	107	1216528	97.066	ug/l	98
64) Tetrachloroethene	10.23	164	1461440	97.159	ug/l	98
65) Chlorobenzene	11.30	112	3540685	96.416	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	1172057	94.866	ug/l	99
67) Ethyl Benzene	11.42	91	5280431	89.553	ug/l	97
68) m/p-Xylenes	11.55	106	3881069	178.711	ug/l	98
69) o-Xylene	11.92	106	2035153	93.969	ug/l	99
70) Styrene	11.94	104	3424438	94.165	ug/l	98
71) Bromoform	12.10	173	1082156	102.336	ug/l	100
73) Isopropylbenzene	12.27	105	5469023	93.640	ug/l	99
74) N-amyl acetate	12.12	43	2130869	92.698	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.55	83	1268572	95.827	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	1266545	93.757	ug/l	99
77) Bromobenzene	12.53	156	1673081	98.869	ug/l	84
78) n-propylbenzene	12.63	91	6621182	90.431	ug/l	93
79) 2-Chlorotoluene	12.70	91	3877197	93.987	ug/l	93
80) 1,3,5-Trimethylbenzene	12.78	105	4150668	92.767	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	398541	97.906	ug/l	92
82) 4-Chlorotoluene	12.80	91	4084915	90.058	ug/l	98
83) tert-Butylbenzene	13.04	119	4906578	94.454	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	4453846	92.993	ug/l	98
85) sec-Butylbenzene	13.21	105	5752454	93.842	ug/l	99
86) p-Isopropyltoluene	13.33	119	4587101	92.460	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	2756212	93.844	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	2781316	93.436	ug/l	97
89) n-Butylbenzene	13.64	91	4036832	83.530	ug/l	99
90) Hexachloroethane	13.85	117	1233510	100.545	ug/l	62
91) 1,2-Dichlorobenzene	13.66	146	2079270	85.778	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	184157	91.070	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\
Data File : VD060104.D
Acq On : 1 Oct 2018 18:46
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

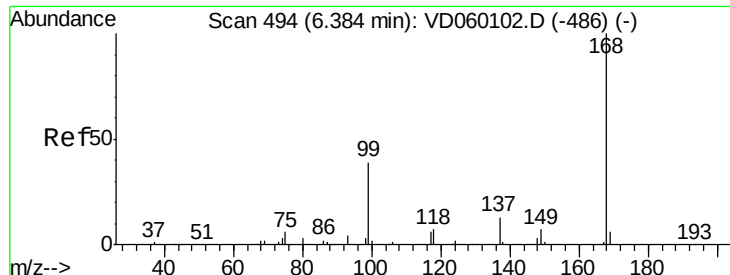
Manual Integrations
APPROVED

apatel
10/2/2018 12:31:23 PM

Quant Time: Oct 02 05:50:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:08:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	2028070	96.890	ug/l	100
94) Hexachlorobutadiene	14.87	225	1367366	98.598	ug/l	100
95) Naphthalene	14.96	128	3153063	97.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	1823898	99.490	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 1553182

Ion Ratio Lower Upper

168 100

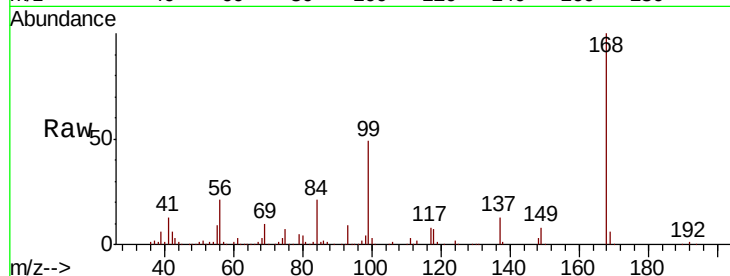
99 49.3 35.4 53.0

Manual Integrations

APPROVED

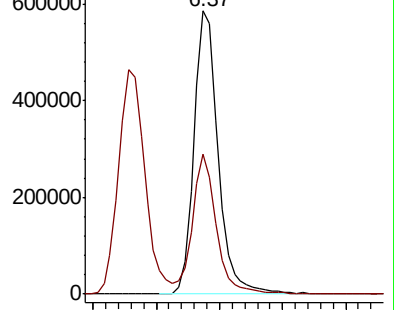
apatel

10/2/2018 12:31:23 PM

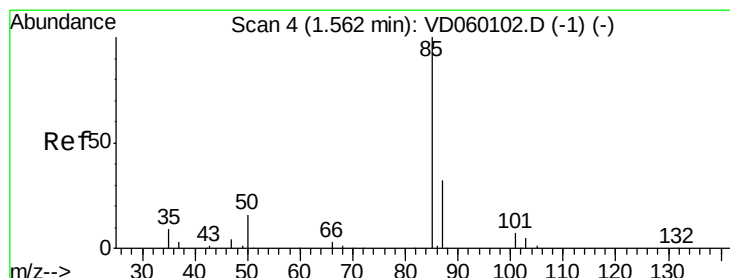
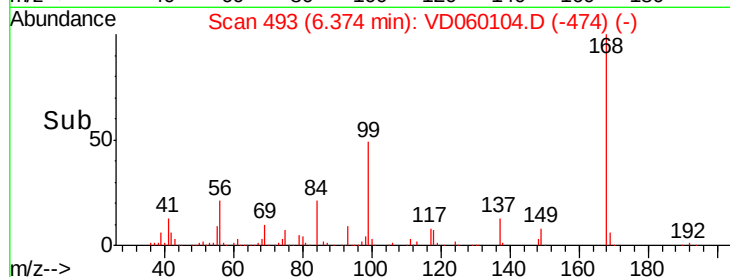


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



Time-->



#2

Dichlorodifluoromethane

Concen: 91.122 ug/l m

RT: 1.56 min Scan# 4

Delta R.T. -0.00 min

Lab File: VD060104.D

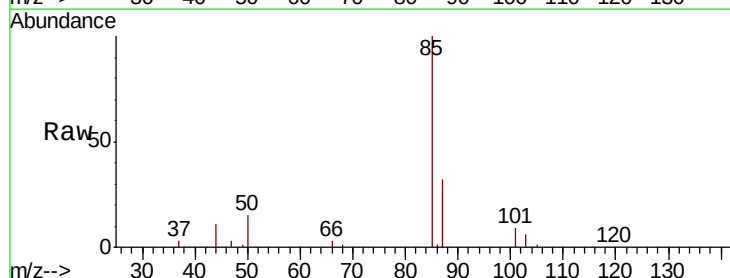
Acq: 1 Oct 2018 18:46

Tgt Ion: 85 Resp: 1463230

Ion Ratio Lower Upper

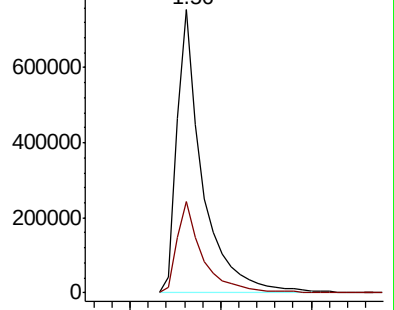
85 100

87 32.3 15.9 47.6

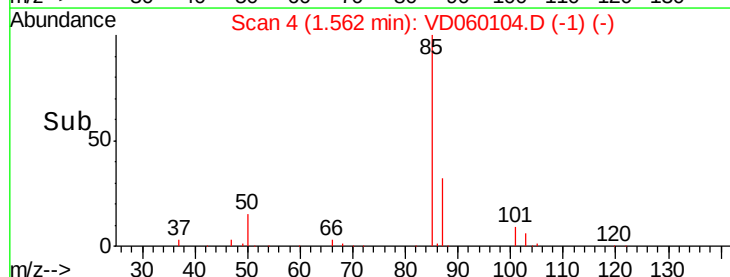


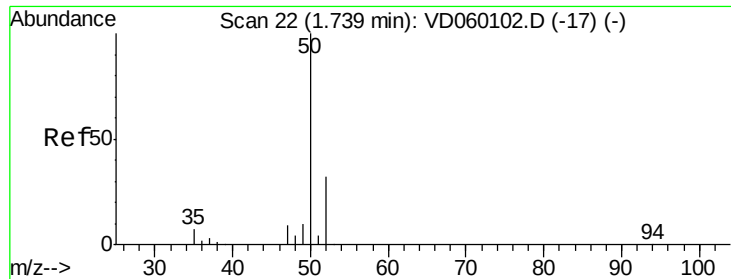
Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC



Time-->





#3

Chloromethane

Concen: 94.158 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 1353134

Ion Ratio Lower Upper

50 100

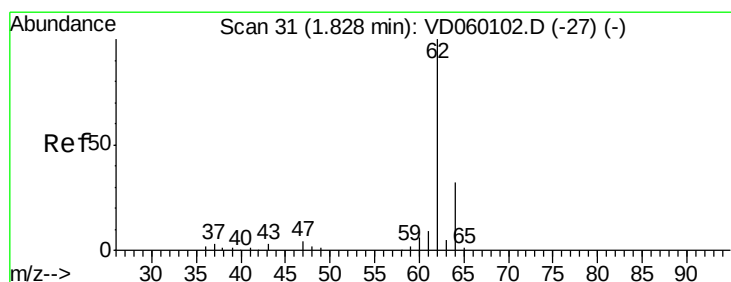
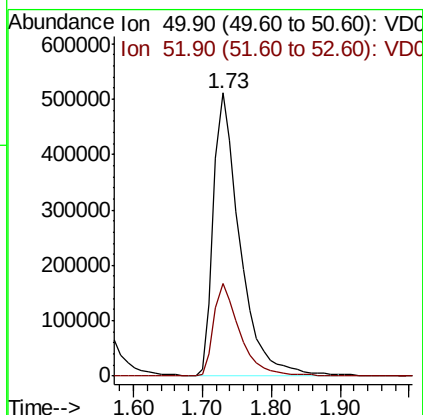
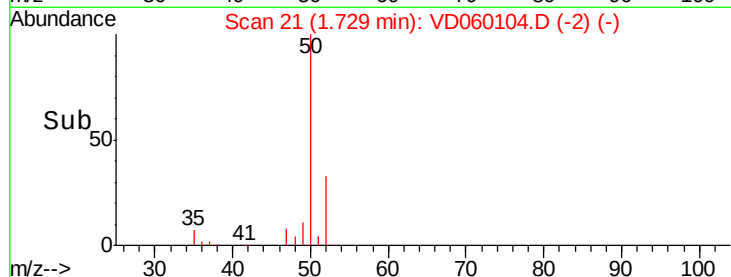
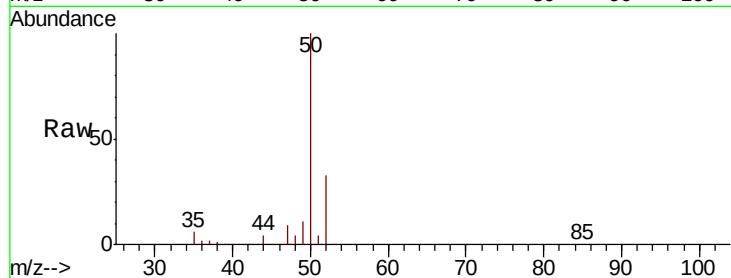
52 32.6 25.3 37.9

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:23 PM



#4

Vinyl Chloride

Concen: 94.631 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.00 min

Lab File: VD060104.D

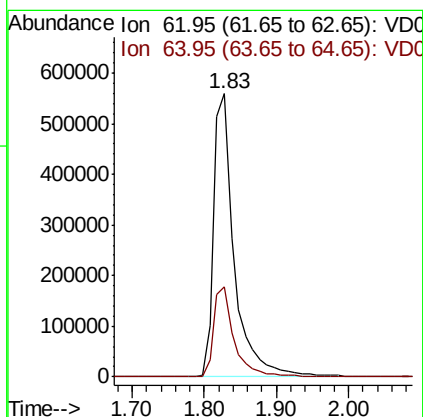
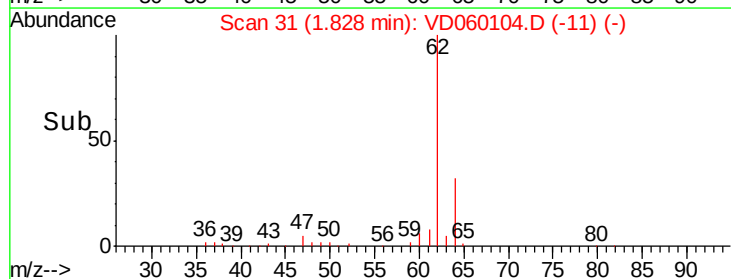
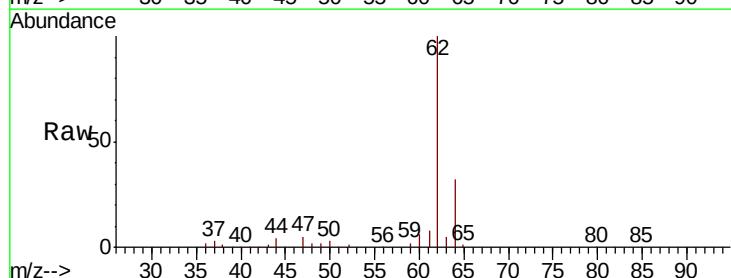
Acq: 1 Oct 2018 18:46

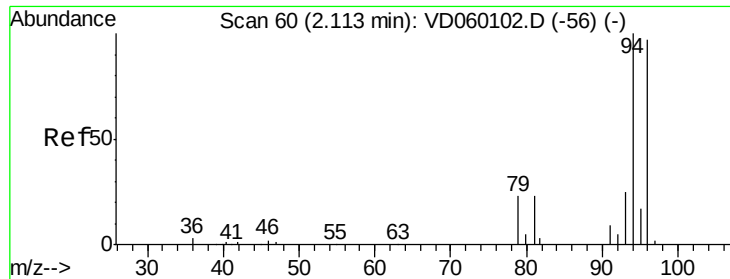
Tgt Ion: 62 Resp: 1091654

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 72.652 ug/l

RT: 2.10 min Scan# 59

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 97259

Ion Ratio Lower Upper

94 100

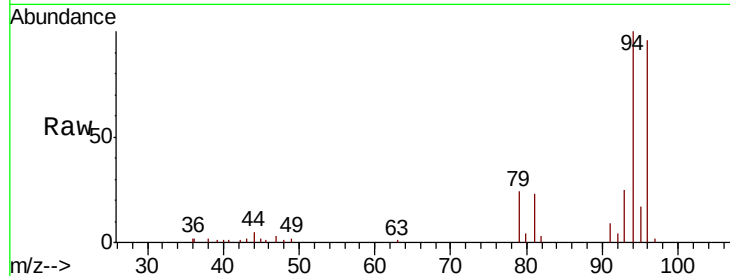
96 95.7 77.4 116.2

Manual Integrations

APPROVED

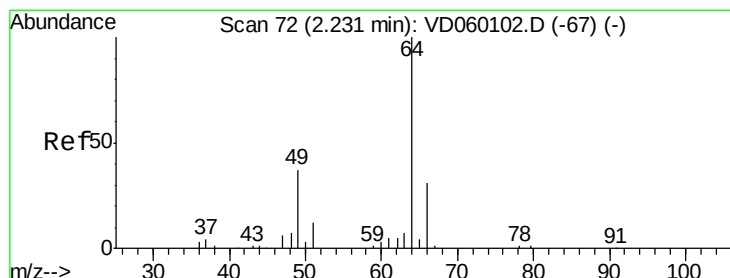
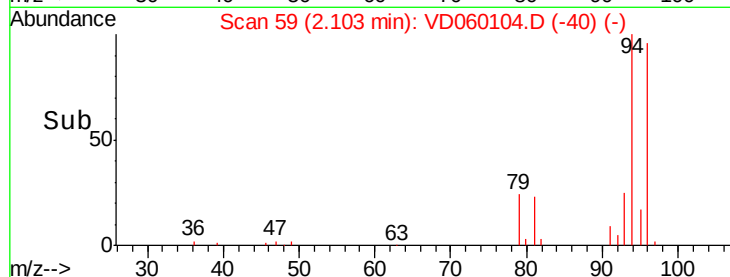
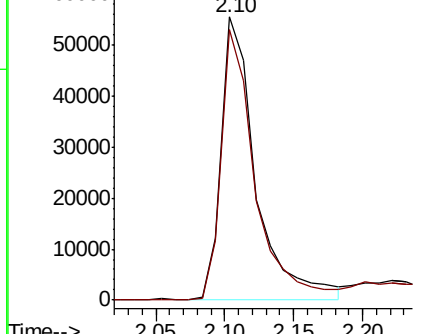
apatel

10/2/2018 12:31:23 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 97.629 ug/l

RT: 2.21 min Scan# 70

Delta R.T. -0.02 min

Lab File: VD060104.D

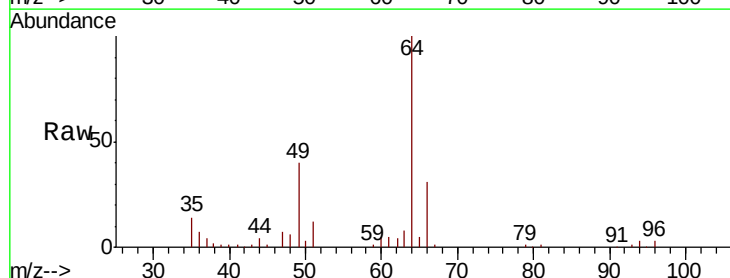
Acq: 1 Oct 2018 18:46

Tgt Ion: 64 Resp: 250409

Ion Ratio Lower Upper

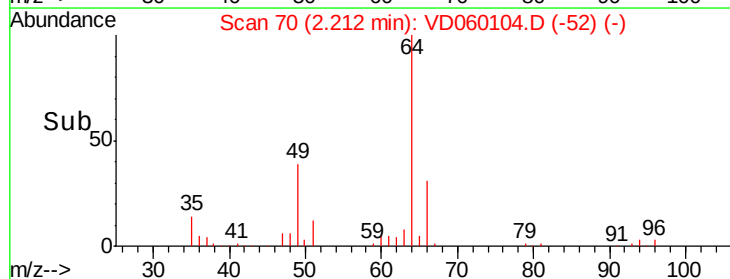
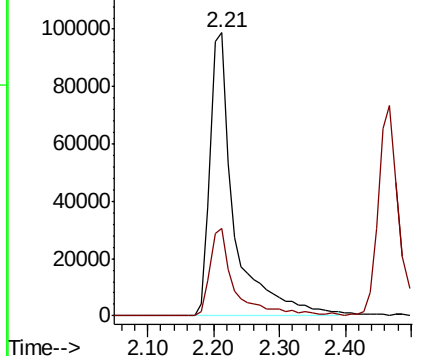
64 100

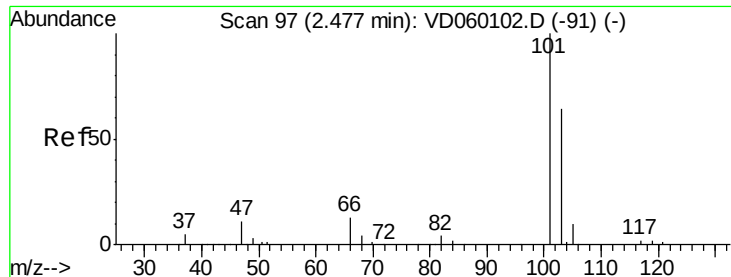
66 30.7 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

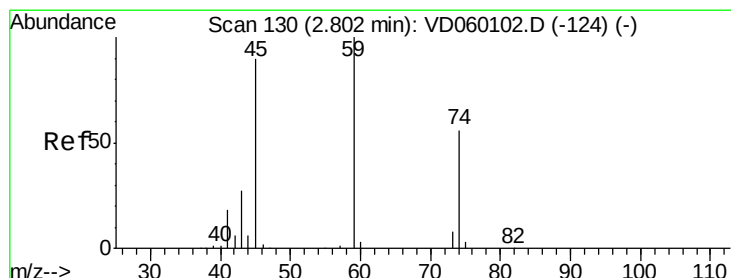
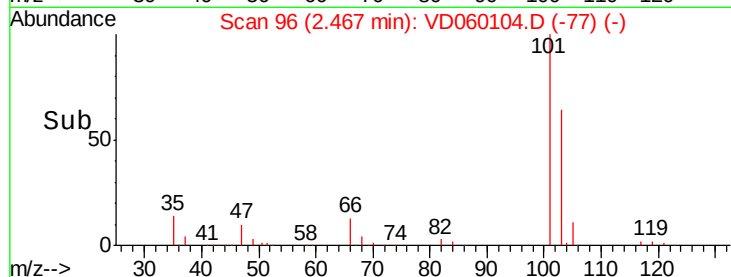
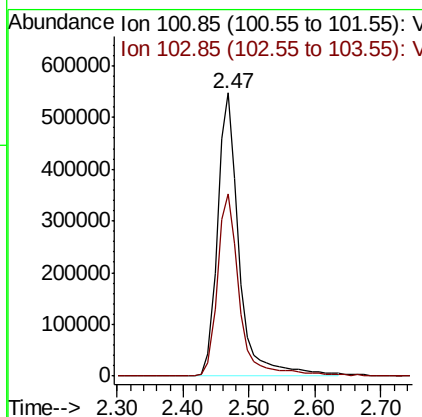
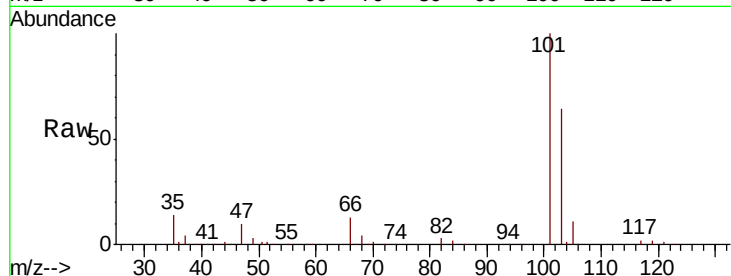
Trichlorofluoromethane
Concen: 98.152 ug/l
RT: 2.47 min Scan# 96
Delta R.T. -0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1245722
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3

Manual Integrations
APPROVED

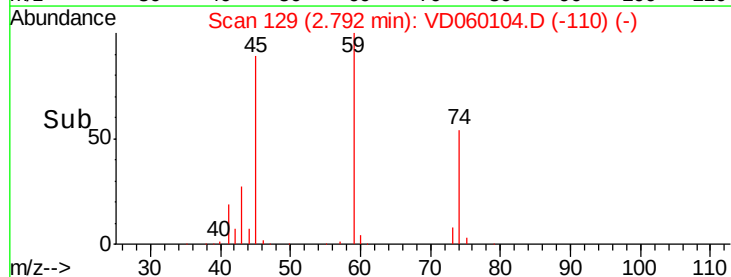
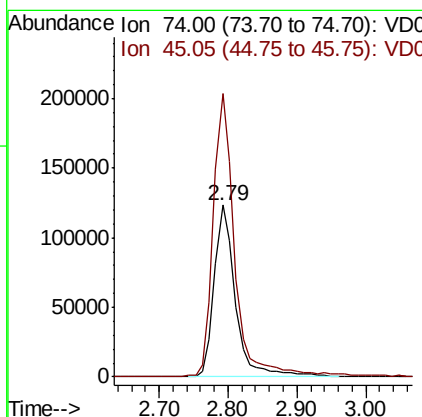
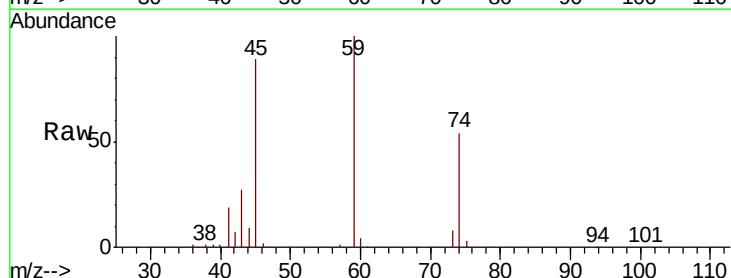
apatel
10/2/2018 12:31:23 PM

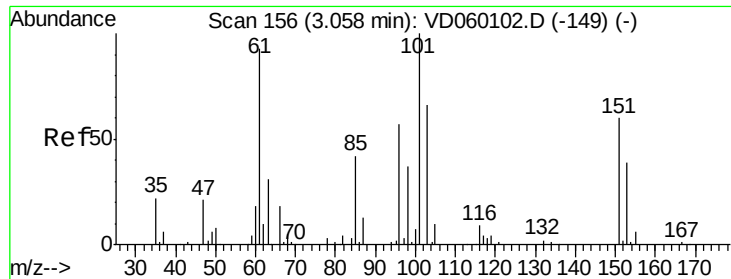


#8

Diethyl Ether
Concen: 98.051 ug/l
RT: 2.79 min Scan# 129
Delta R.T. -0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 74 Resp: 264859
Ion Ratio Lower Upper
74 100
45 164.7 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.706 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

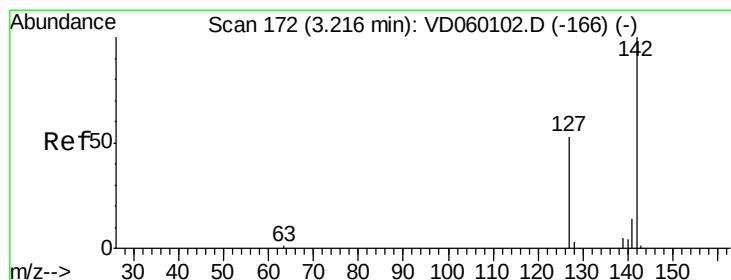
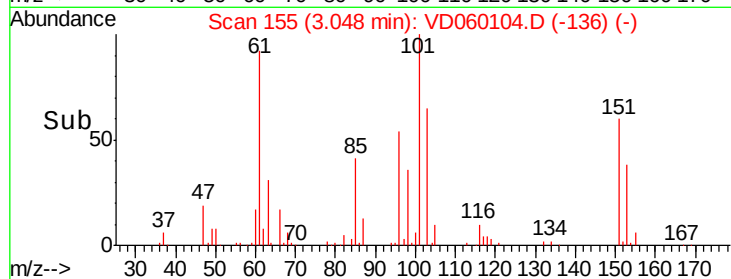
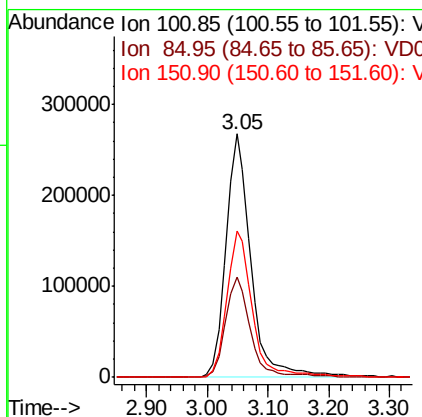
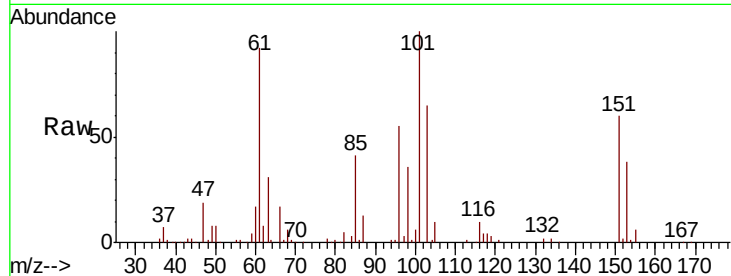
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	762835
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.4	50.0
151	60.4	48.0	72.0

Manual Integrations
APPROVED

apatel
10/2/2018 12:31:23 PM



#10

Methyl Iodide

Concen: 110.829 ug/l

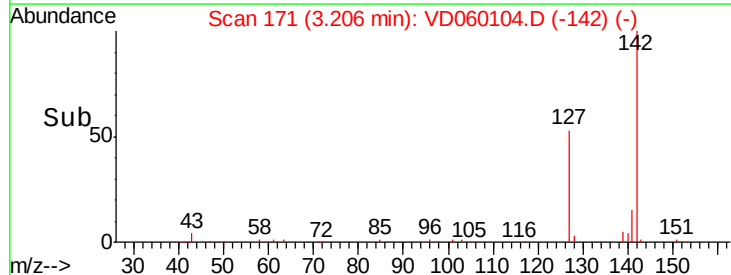
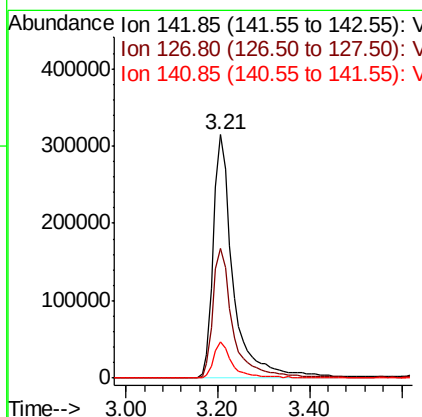
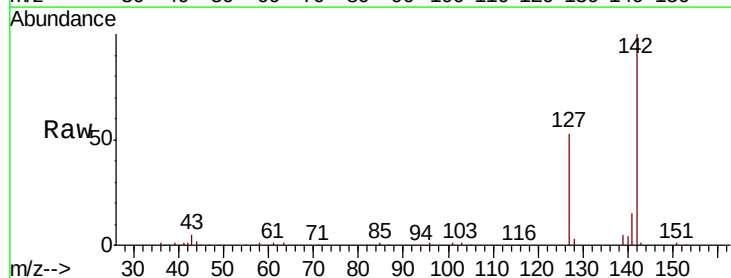
RT: 3.21 min Scan# 171

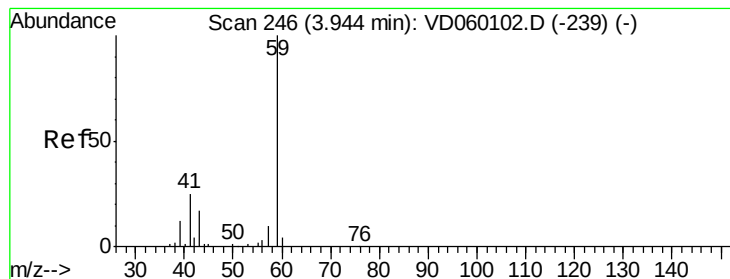
Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Tgt Ion:	142	Resp:	942623
Ion Ratio	Lower	Upper	
142	100		
127	53.5	42.0	63.0
141	14.7	11.4	17.0





#11

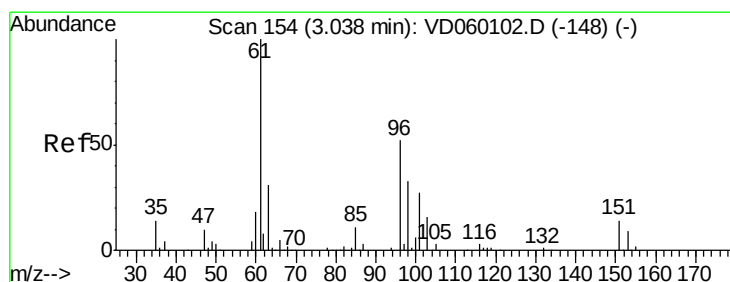
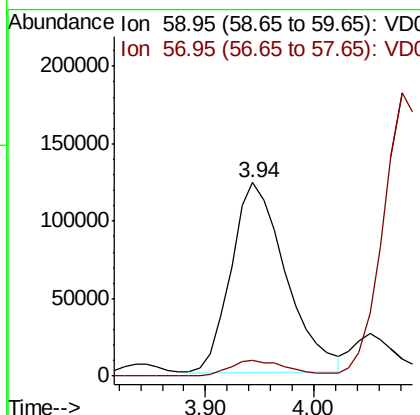
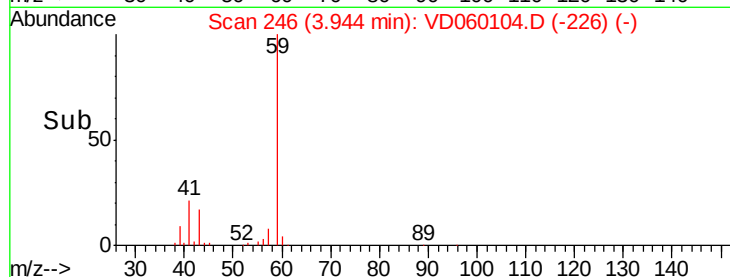
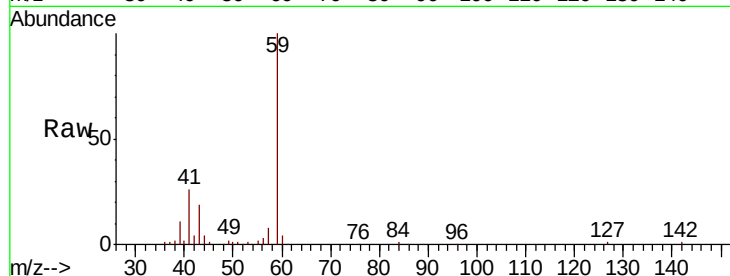
Tert butyl alcohol
 Concen: 450.920 ug/l
 RT: 3.94 min Scan# 246
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	7.8	11.6

Manual Integrations
 APPROVED

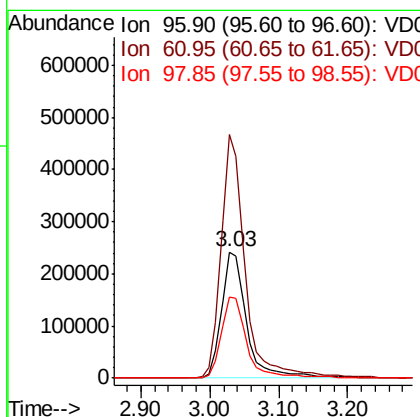
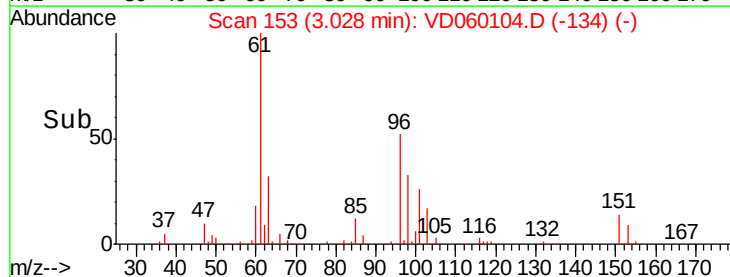
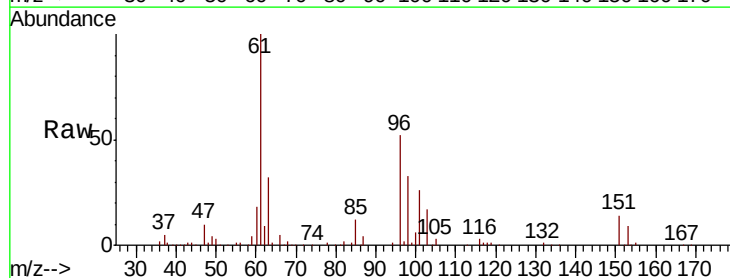
apatel
 10/2/2018 12:31:23 PM

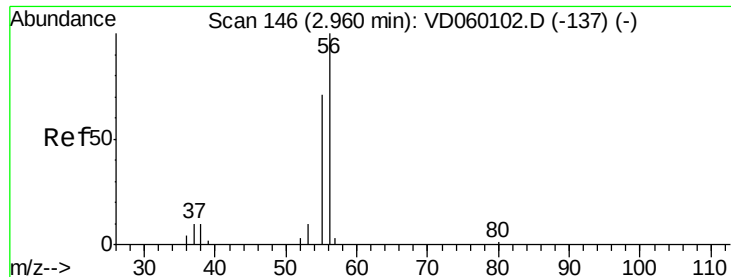


#12

1,1-Dichloroethene
 Concen: 96.491 ug/l
 RT: 3.03 min Scan# 153
 Delta R.T. -0.01 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.0	153.0	229.4
98	64.3	51.1	76.7





#13

Acrolein

Concen: 390.813 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 231953

Ion Ratio Lower Upper

56 100

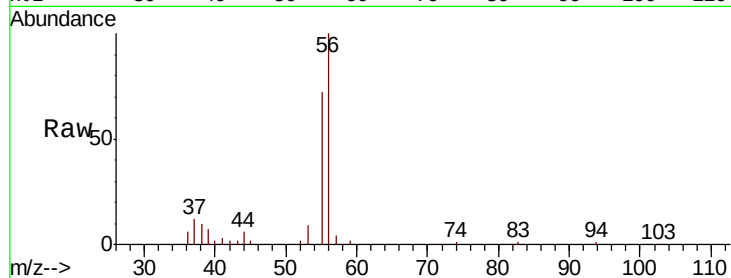
55 72.2 57.4 86.2

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:23 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.95

100000

80000

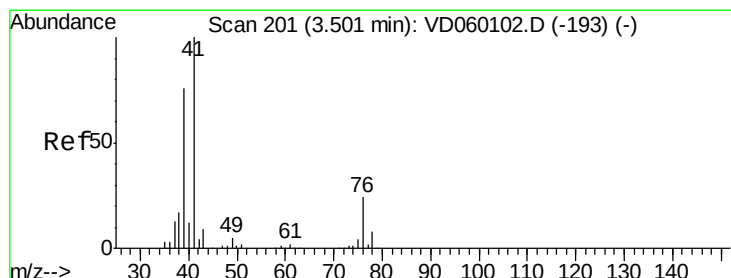
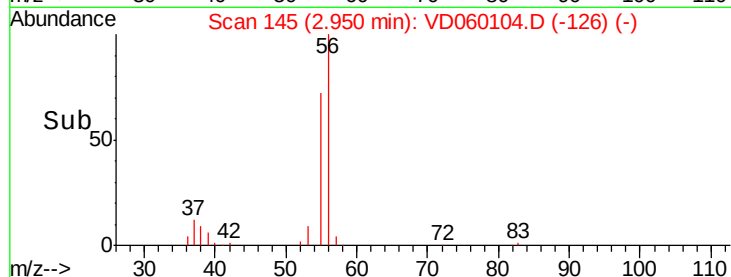
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 97.728 ug/l

RT: 3.49 min Scan# 200

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

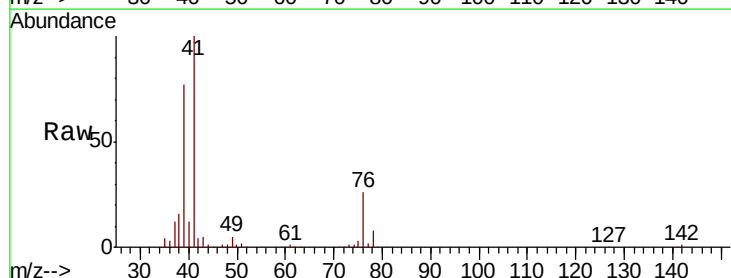
Tgt Ion: 41 Resp: 1297562

Ion Ratio Lower Upper

41 100

39 76.9 60.6 90.8

76 26.0 21.3 31.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.49

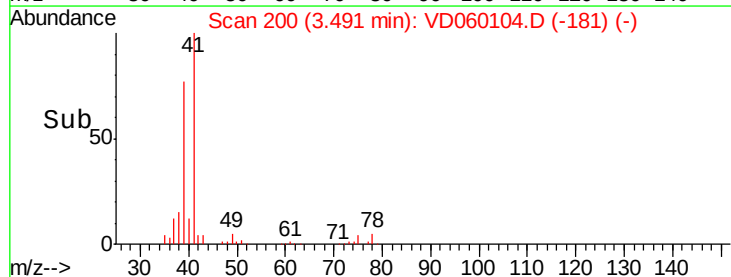
600000

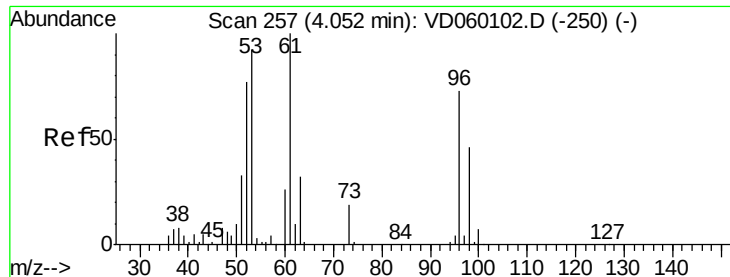
400000

200000

0

Time-->





#15

Acrylonitrile

Concen: 446.481 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1625757

Ion Ratio Lower Upper

53 100

52 84.6 67.5 101.3

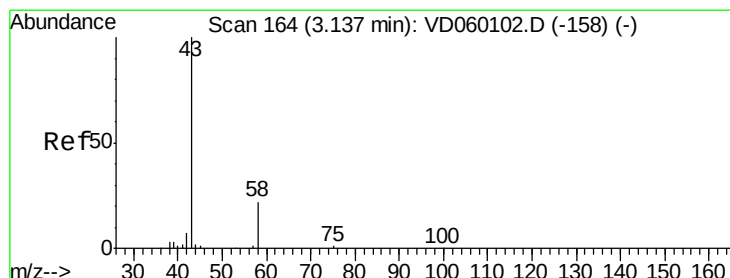
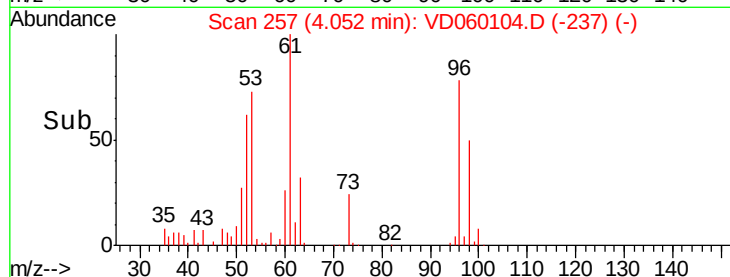
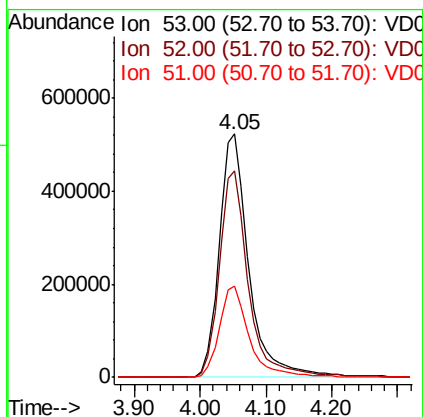
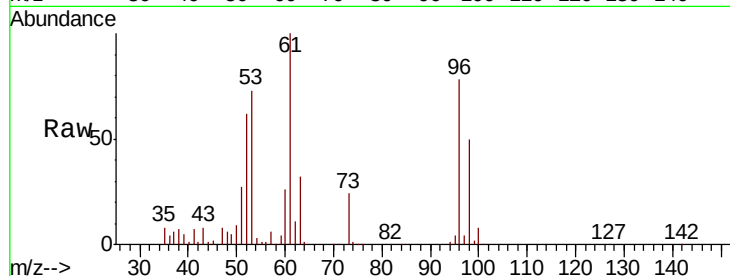
51 37.4 29.3 43.9

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:23 PM



#16

Acetone

Concen: 405.752 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060104.D

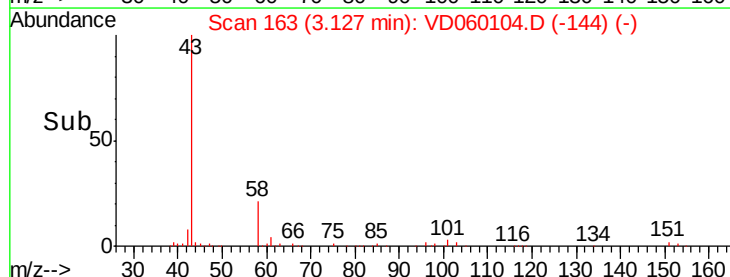
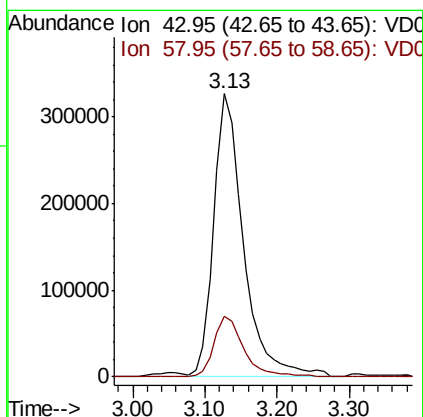
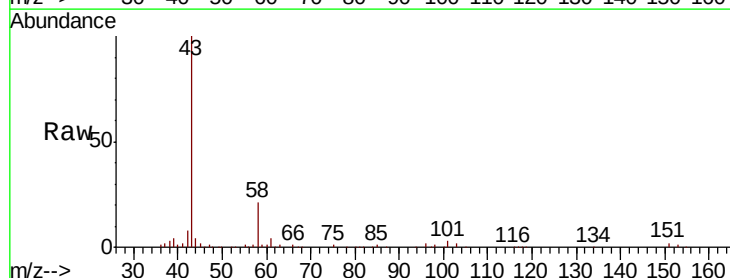
Acq: 1 Oct 2018 18:46

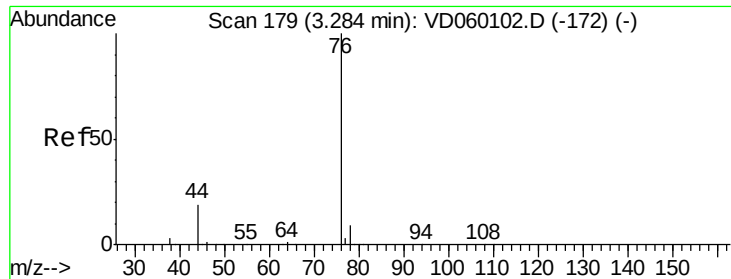
Tgt Ion: 43 Resp: 931372

Ion Ratio Lower Upper

43 100

58 21.3 17.7 26.5





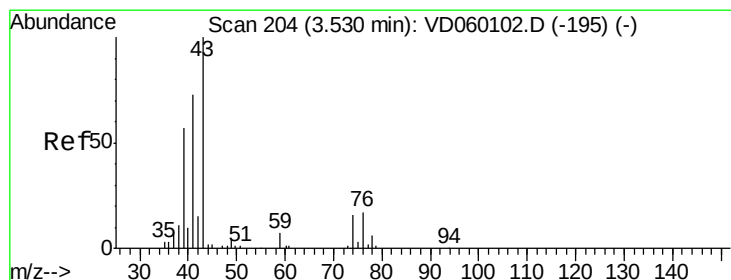
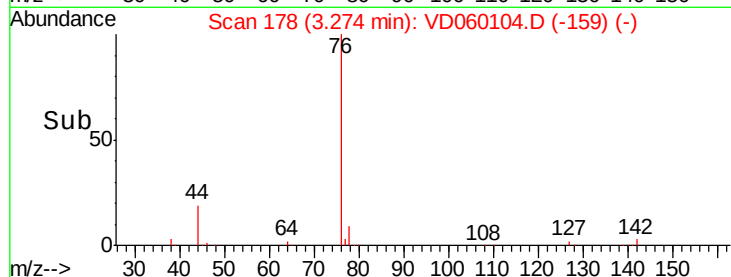
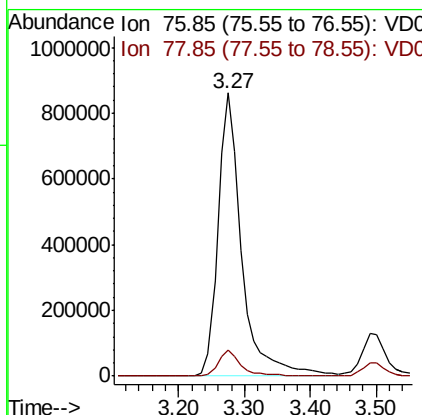
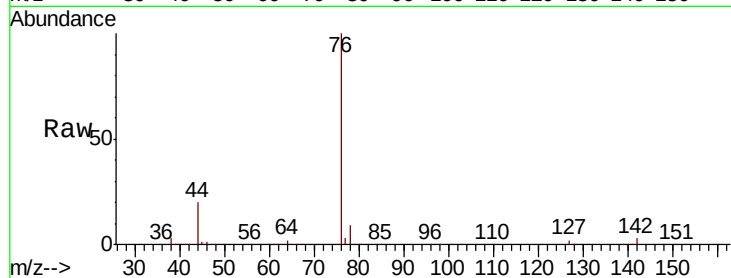
#17
Carbon Disulfide
Concen: 99.028 ug/l
RT: 3.27 min Scan# 178
Delta R.T. -0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 76 Resp: 2148750
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

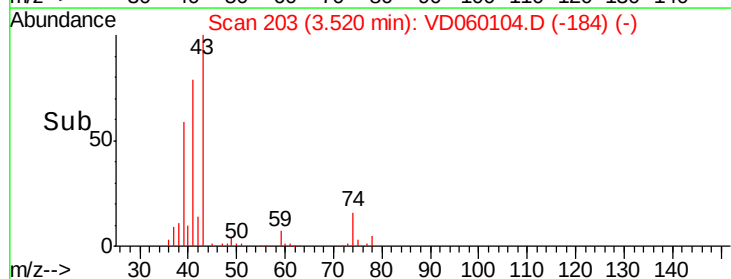
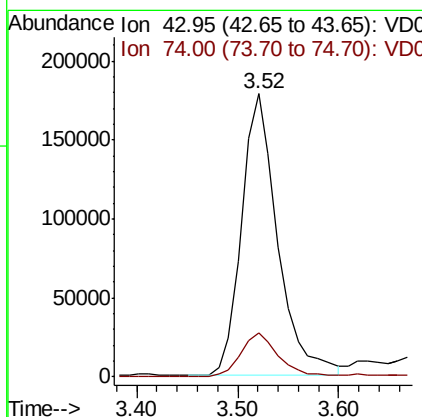
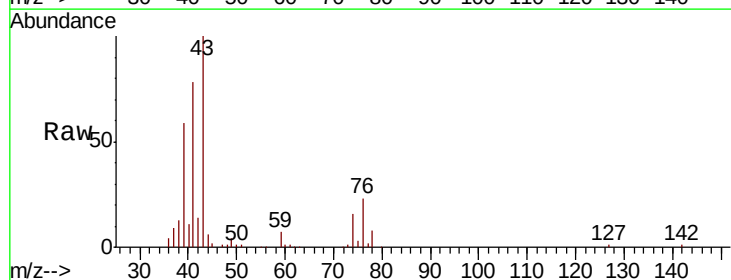
Manual Integrations
APPROVED

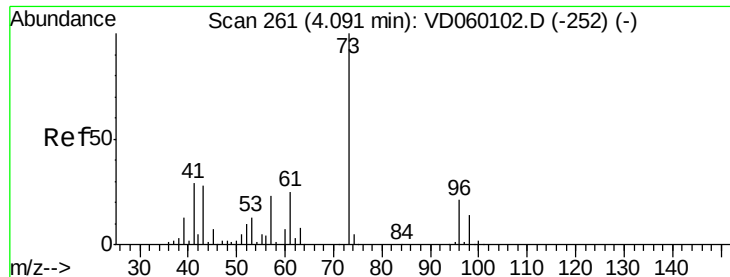
apatel
10/2/2018 12:31:23 PM



#18
Methyl Acetate
Concen: 93.782 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 43 Resp: 443311
Ion Ratio Lower Upper
43 100
74 15.7 12.6 19.0





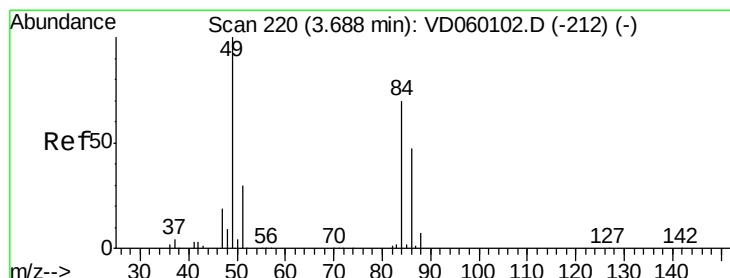
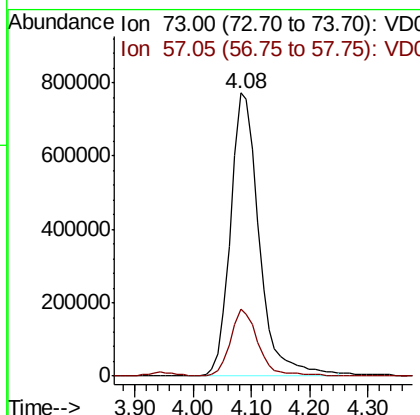
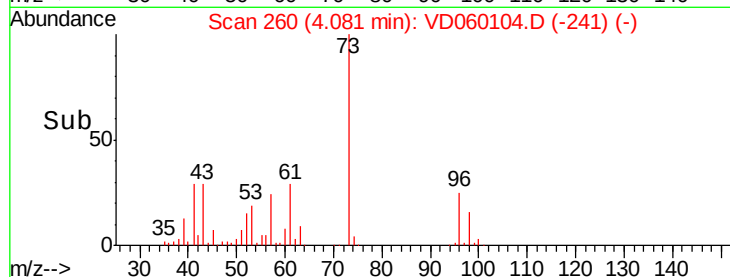
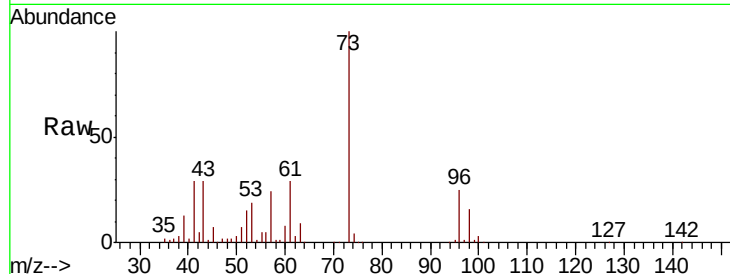
#19
Methyl tert-butyl Ether
Concen: 90.897 ug/l
RT: 4.08 min Scan# 260
Delta R.T. -0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 2647680
Ion Ratio Lower Upper
73 100
57 23.7 18.7 28.1

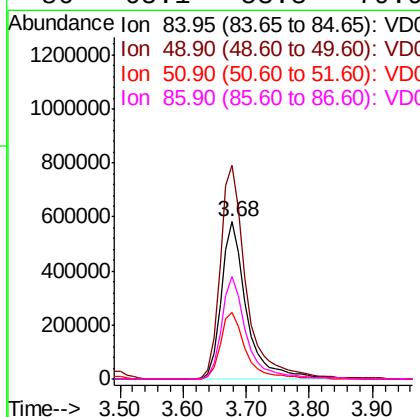
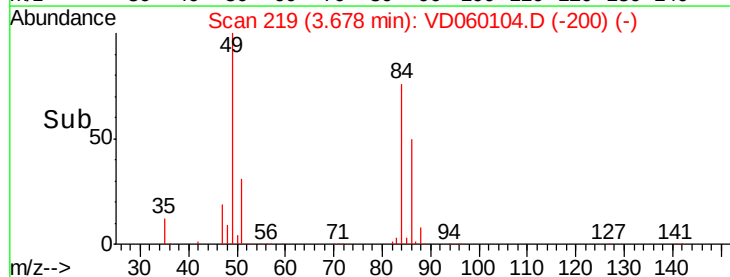
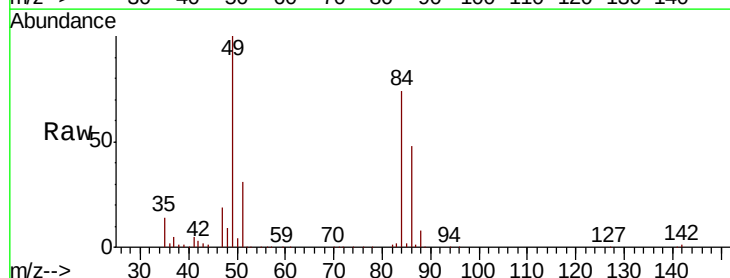
Manual Integrations
APPROVED

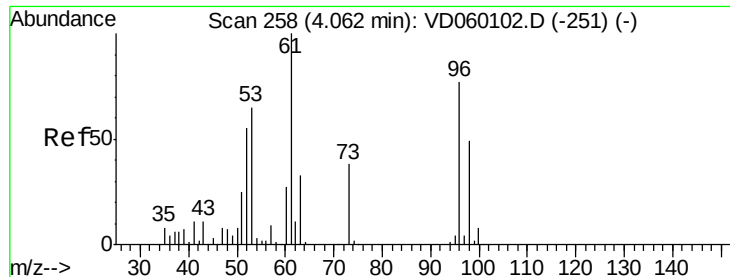
apatel
10/2/2018 12:31:23 PM



#20
Methylene Chloride
Concen: 82.863 ug/l
RT: 3.68 min Scan# 219
Delta R.T. -0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 84 Resp: 1622049
Ion Ratio Lower Upper
84 100
49 135.8 114.6 172.0
51 42.1 33.8 50.8
86 65.1 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 94.333 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 1564574

Ion Ratio Lower Upper

96 100

61 128.6 103.3 154.9

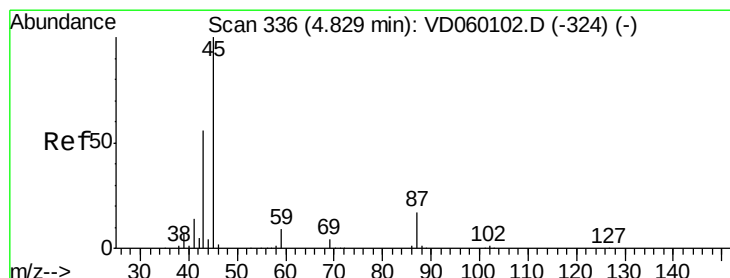
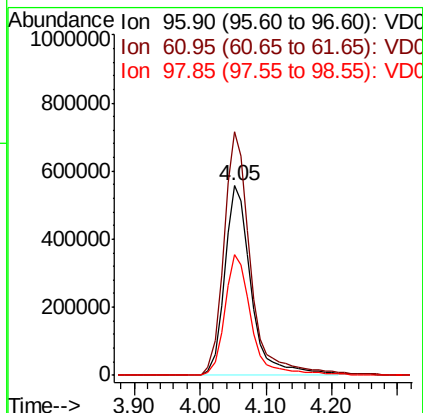
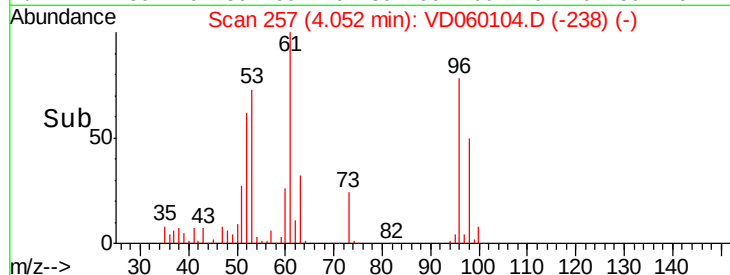
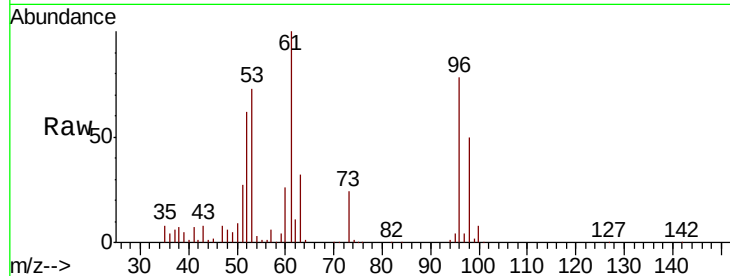
98 63.9 50.4 75.6

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:23 PM



#22

Diisopropyl ether

Concen: 93.578 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Tgt Ion: 45 Resp: 5641263

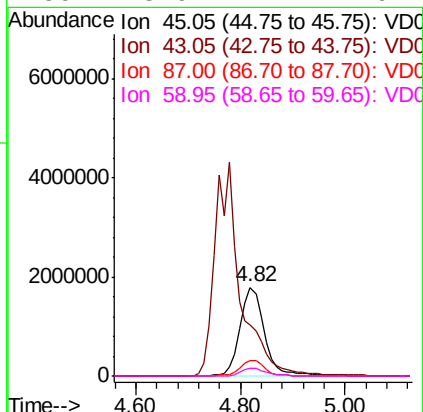
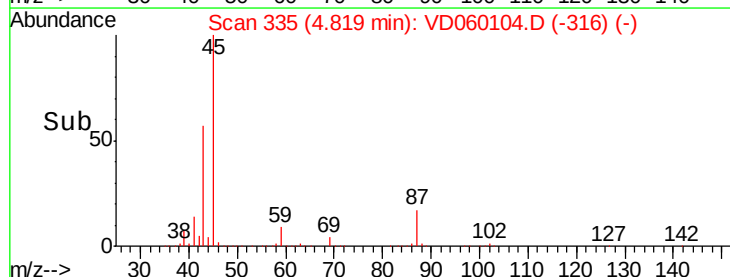
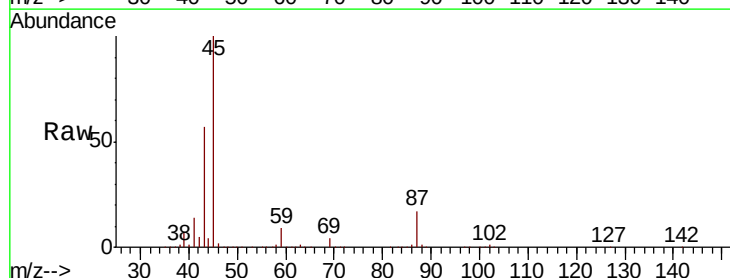
Ion Ratio Lower Upper

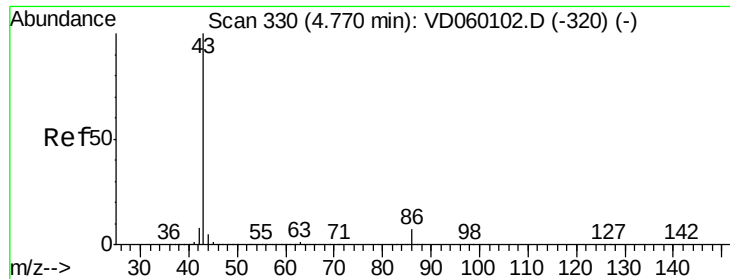
45 100

43 57.5 44.8 67.2

87 17.4 13.9 20.9

59 8.9 7.1 10.7





#23

Vinyl Acetate

Concen: 426.244 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp:14582503

Ion Ratio Lower Upper

43 100

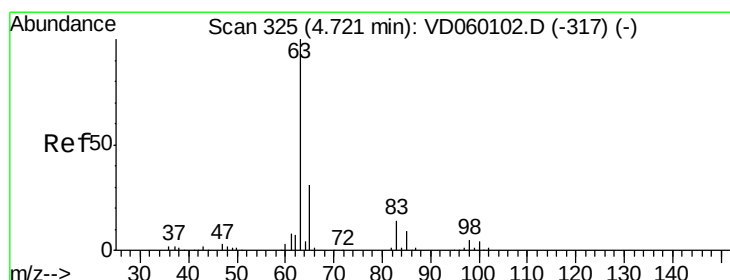
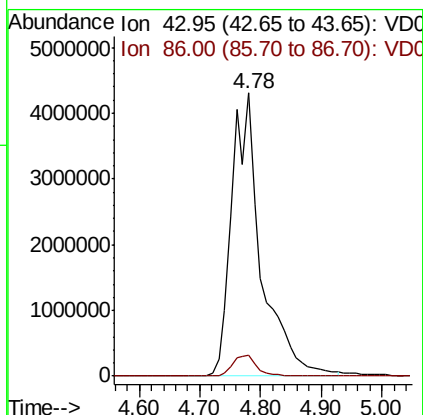
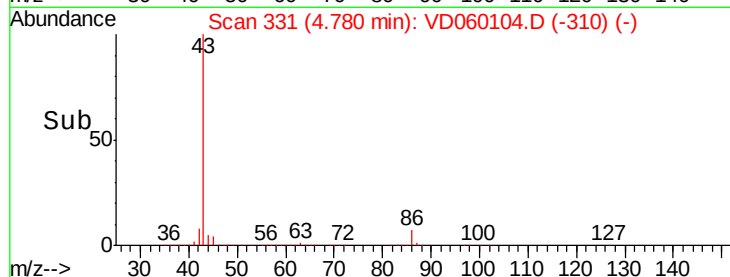
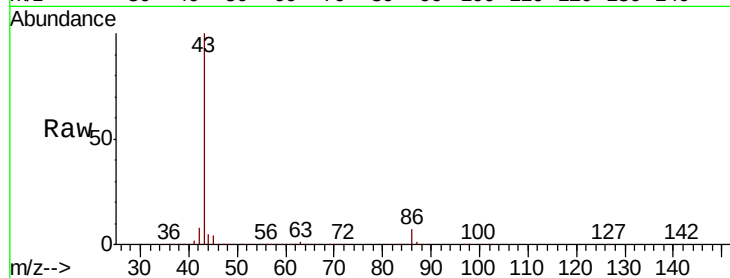
86 7.4 5.6 8.4

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:23 PM



#24

1,1-Dichloroethane

Concen: 95.647 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

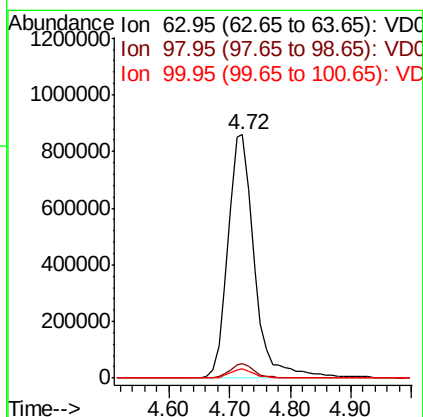
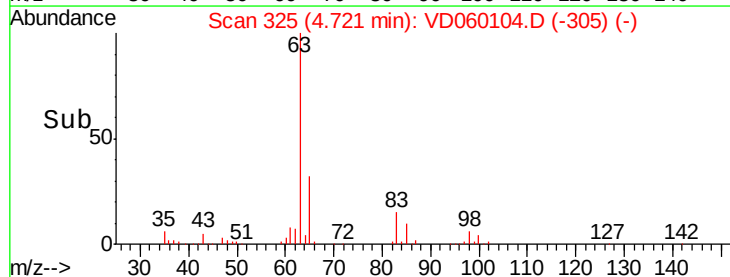
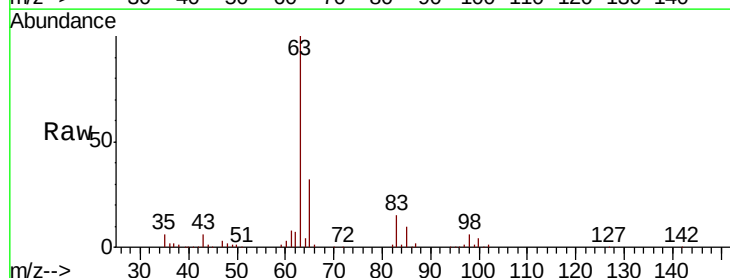
Tgt Ion: 63 Resp: 2603237

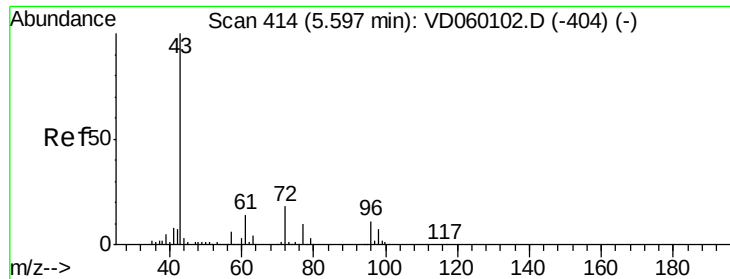
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

100 3.7 1.8 5.3





#25

2-Butanone

Concen: 408.636 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2530588

Ion Ratio Lower Upper

43 100

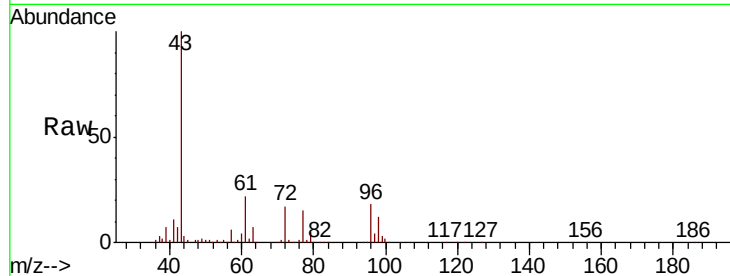
72 17.4 14.5 21.7

Manual Integrations

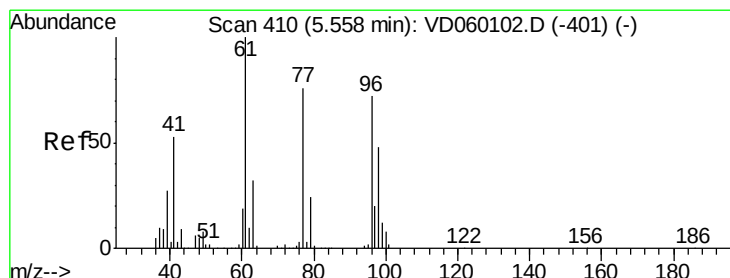
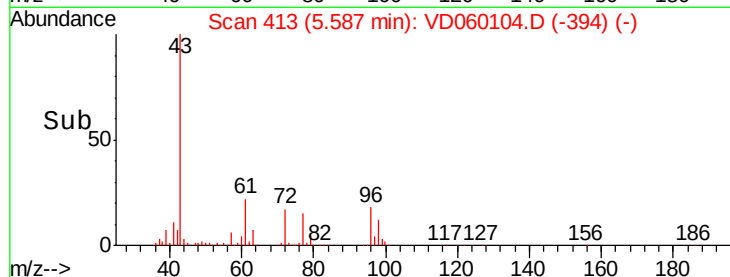
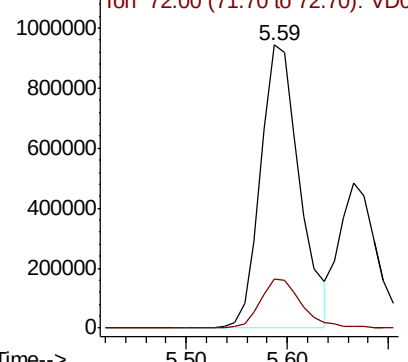
APPROVED

apatel

10/2/2018 12:31:23 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 88.879 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD060104.D

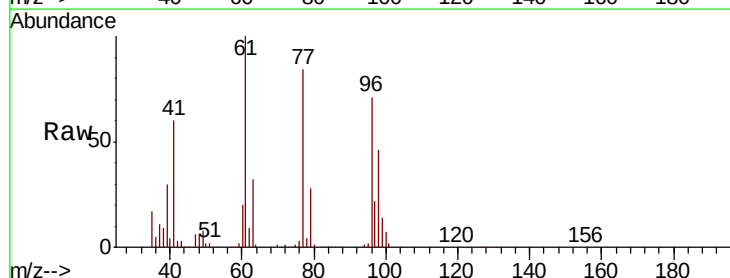
Acq: 1 Oct 2018 18:46

Tgt Ion: 77 Resp: 1872145

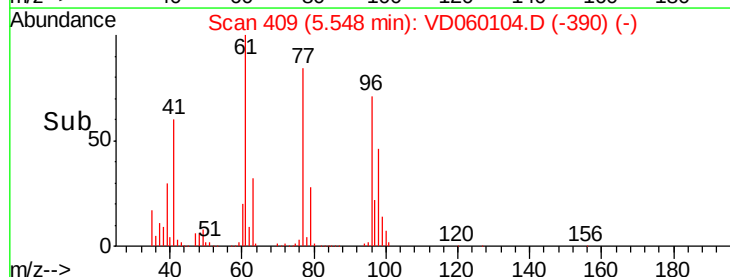
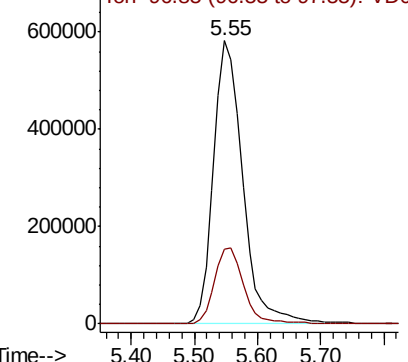
Ion Ratio Lower Upper

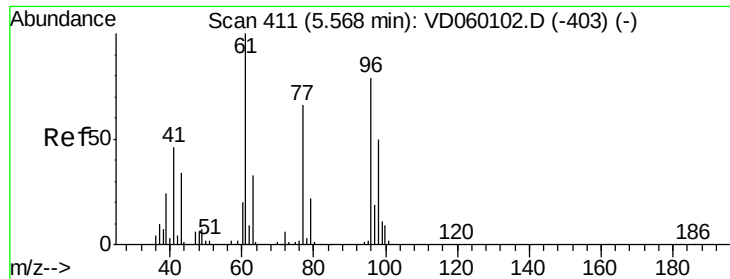
77 100

97 26.3 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC





#27

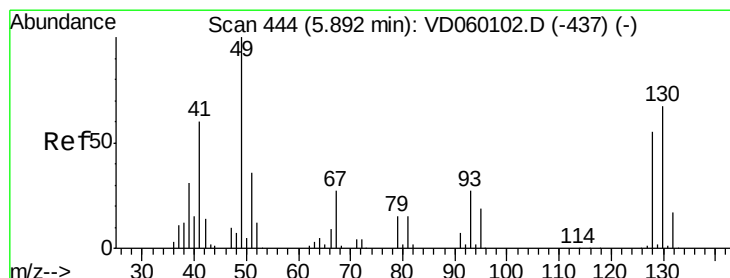
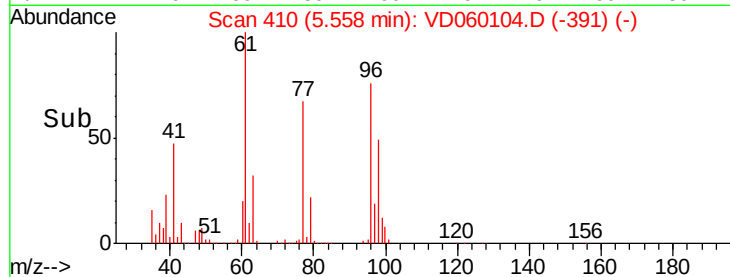
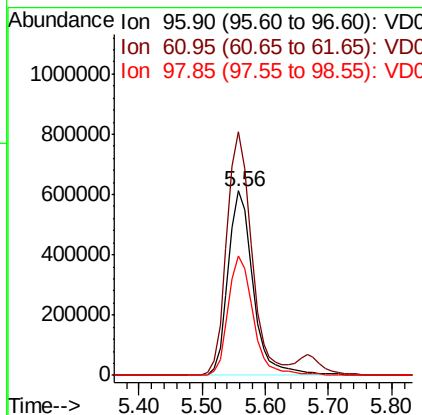
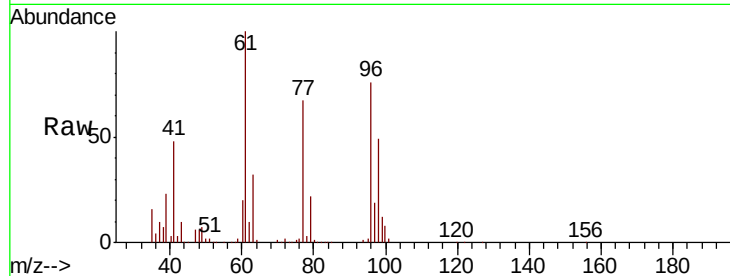
cis-1,2-Dichloroethene
 Concen: 97.025 ug/l
 RT: 5.56 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 96 Resp: 1681994
 Ion Ratio Lower Upper
 96 100
 61 132.1 0.0 251.8
 98 64.5 0.0 125.2

Manual Integrations
 APPROVED

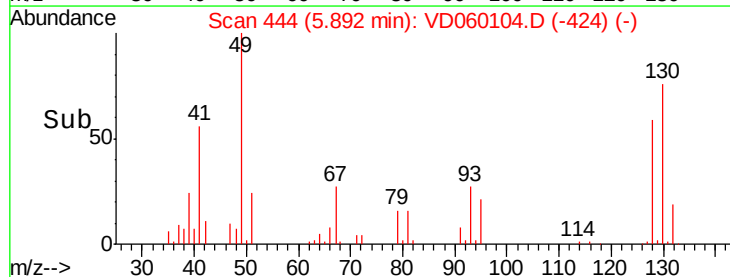
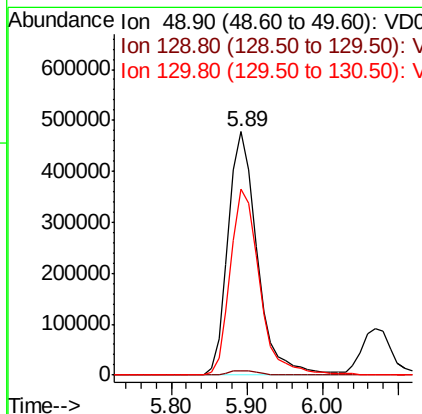
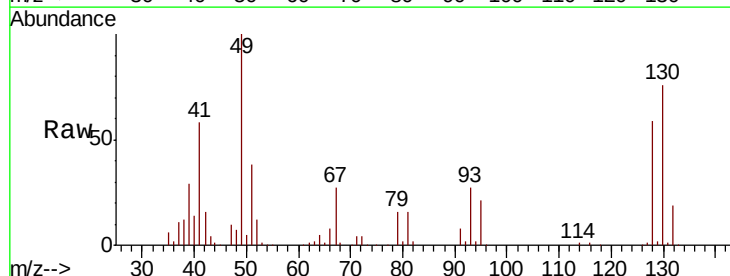
apatel
 10/2/2018 12:31:23 PM

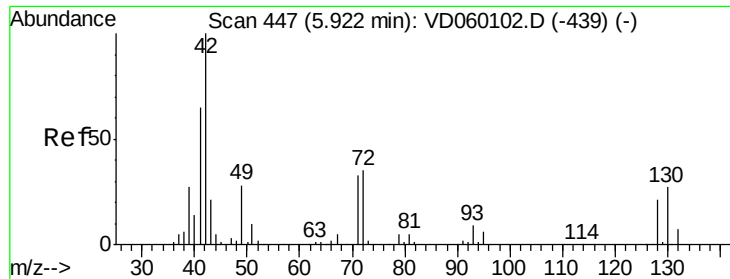


#28

Bromochloromethane
 Concen: 96.528 ug/l
 RT: 5.89 min Scan# 444
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion: 49 Resp: 1276902
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.6
 130 76.2 53.9 80.9





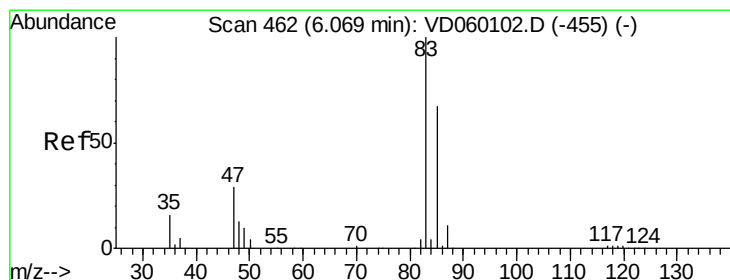
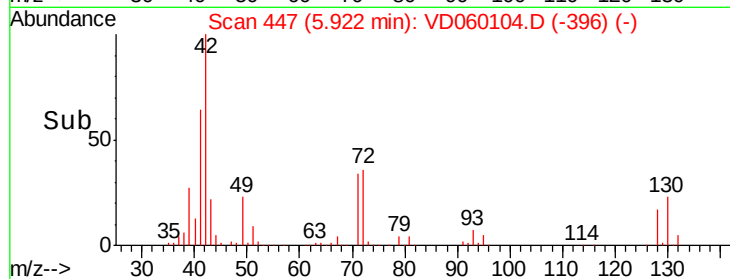
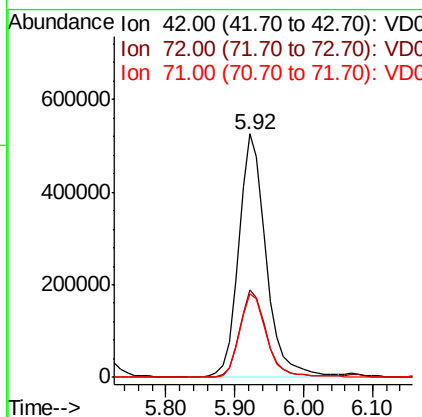
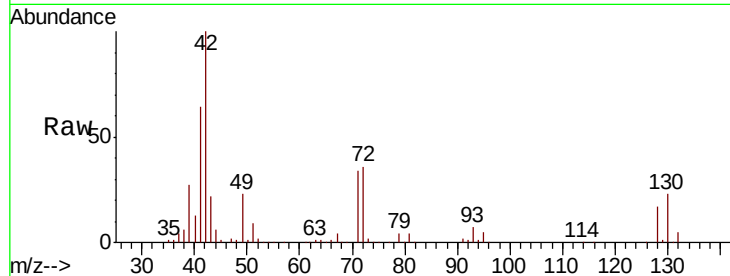
#29
Tetrahydrofuran
Concen: 434.480 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1442960
Ion Ratio Lower Upper
42 100
72 35.1 26.9 40.3
71 34.5 26.7 40.1

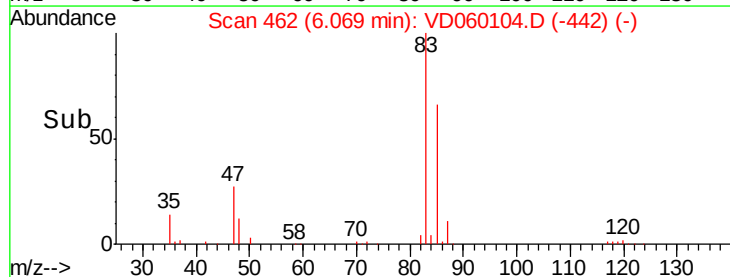
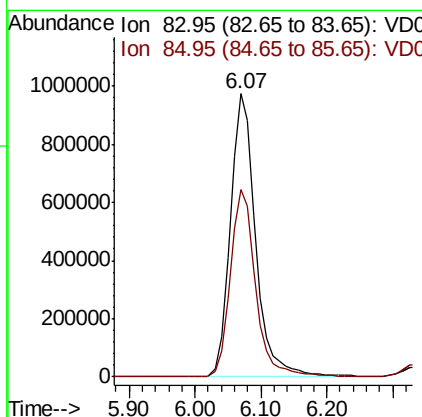
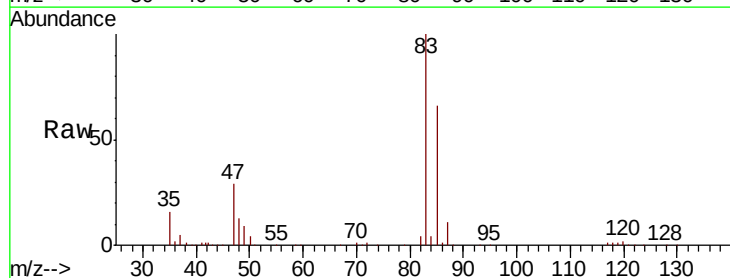
Manual Integrations
APPROVED

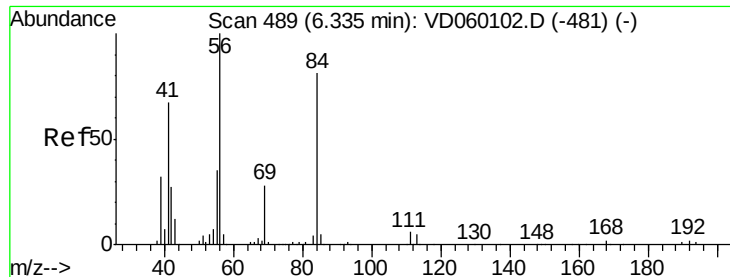
apatel
10/2/2018 12:31:23 PM



#30
Chloroform
Concen: 94.999 ug/l
RT: 6.07 min Scan# 462
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 83 Resp: 2611148
Ion Ratio Lower Upper
83 100
85 66.1 53.8 80.8





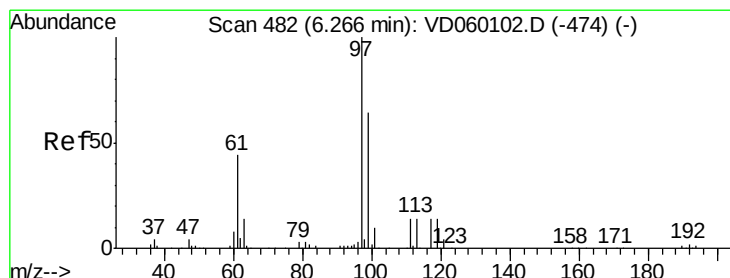
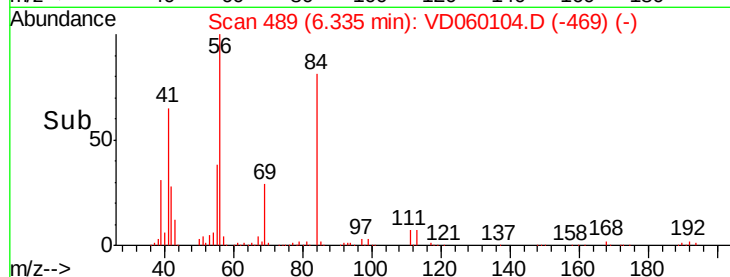
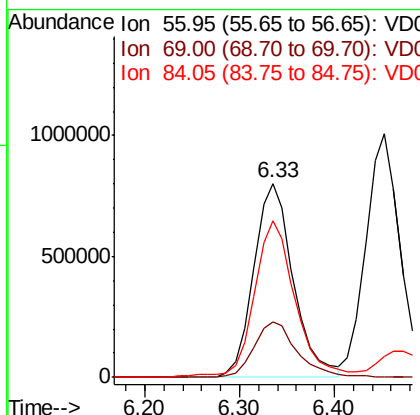
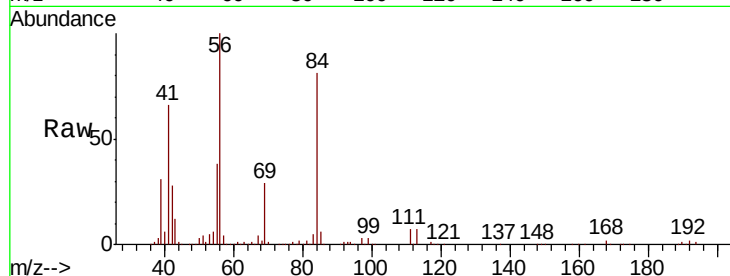
#31
Cyclohexane
Concen: 88.137 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	22.8	34.2
84	80.8	64.9	97.3

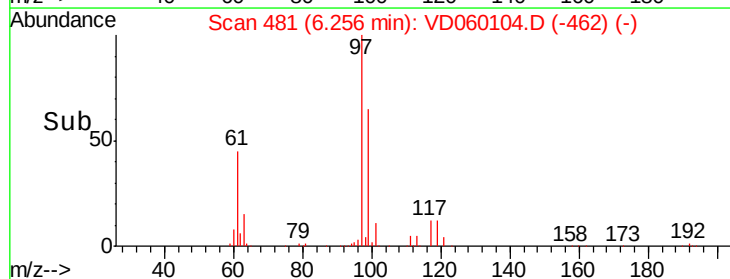
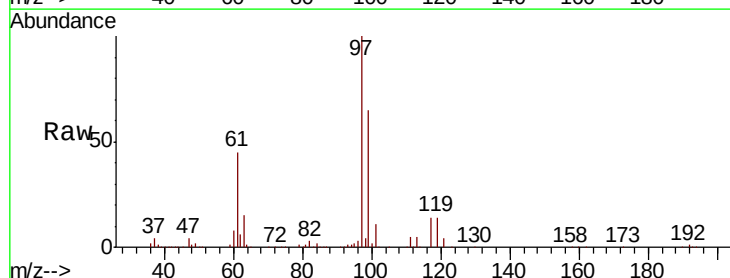
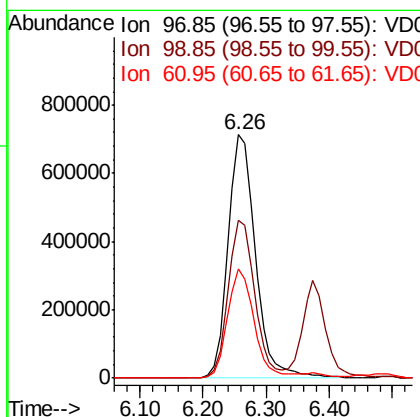
Manual Integrations
APPROVED

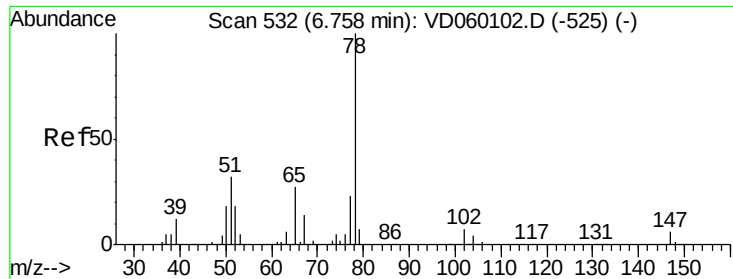
apatel
10/2/2018 12:31:23 PM



#32
1,1,1-Trichloroethane
Concen: 94.010 ug/l
RT: 6.26 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	44.6	35.5	53.3





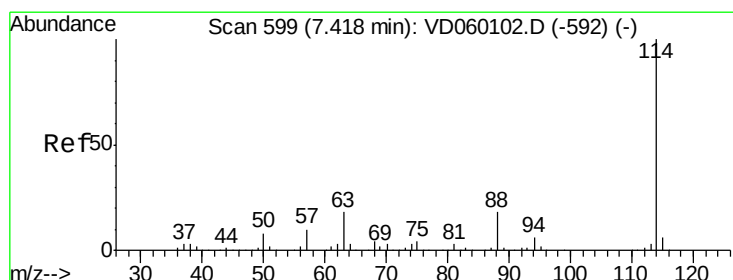
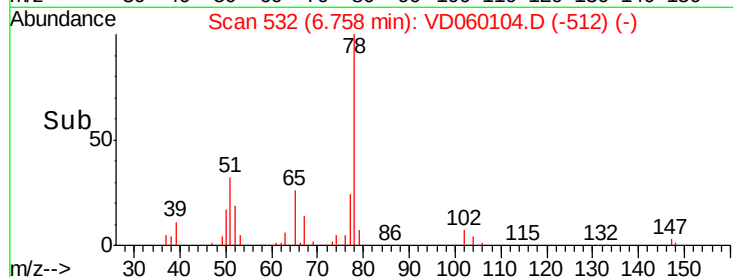
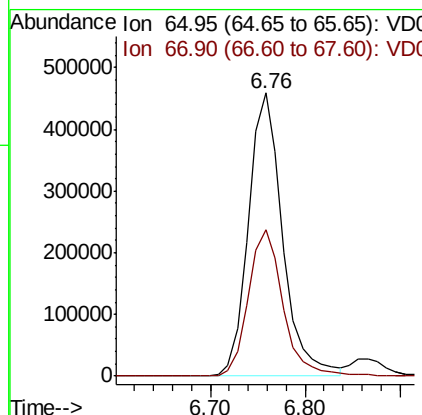
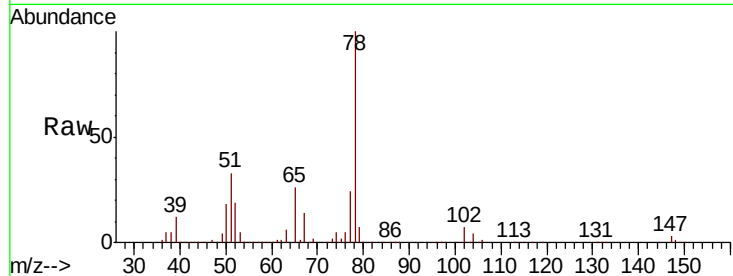
#33
 1,2-Dichloroethane-d4
 Concen: 94.010 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 1146635
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.2

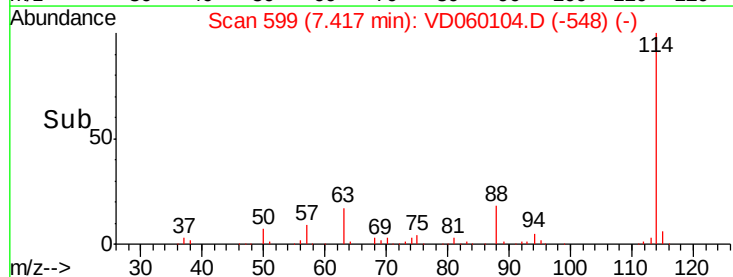
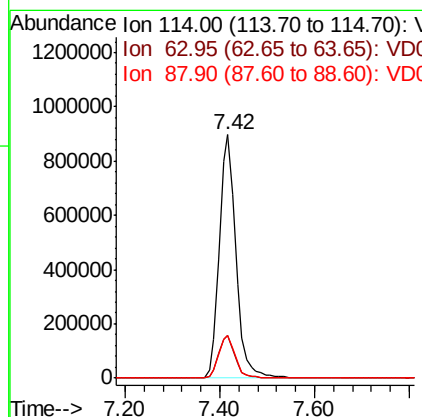
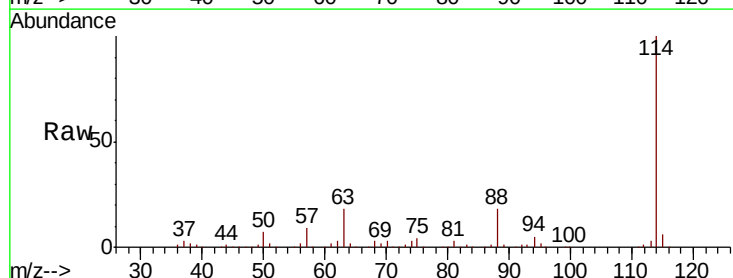
Manual Integrations
 APPROVED

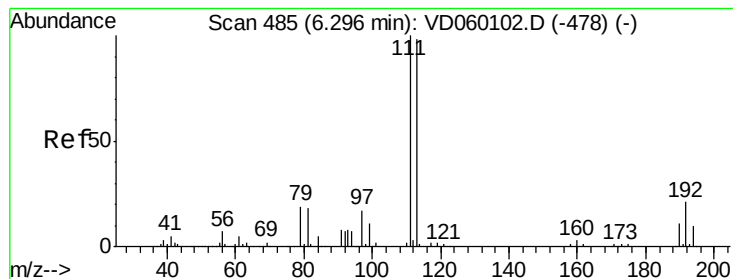
apatel
 10/2/2018 12:31:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion: 114 Resp: 2172436
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.0
 88 17.7 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:113 Resp: 1613425

Ion Ratio Lower Upper

113 100

111 102.2 81.5 122.3

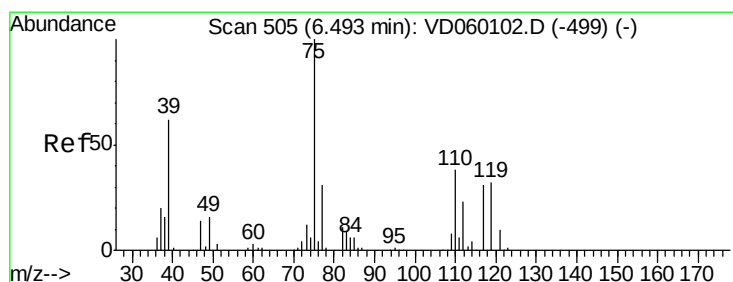
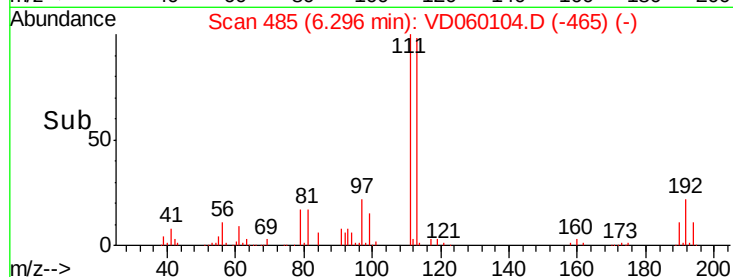
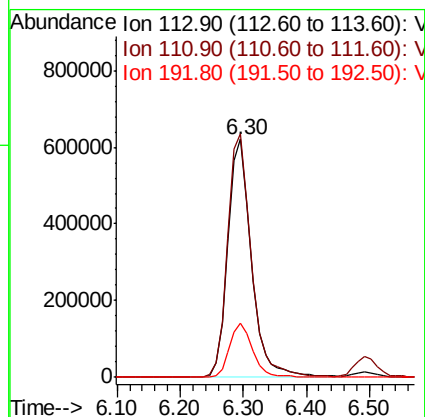
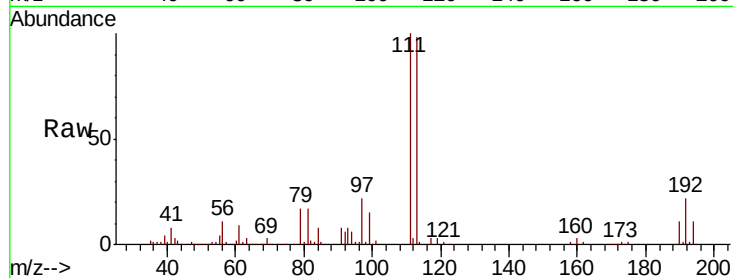
192 23.0 17.4 26.0

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:23 PM



#36

1,1-Dichloropropene

Concen: 91.128 ug/l

RT: 6.49 min Scan# 505

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

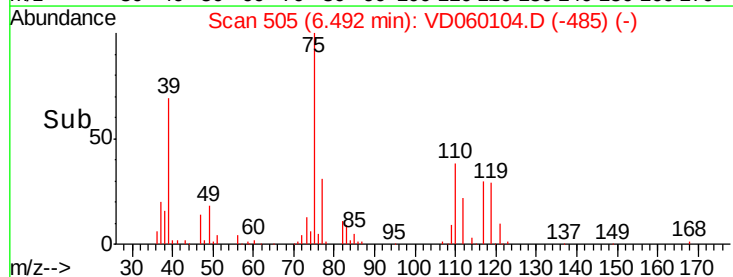
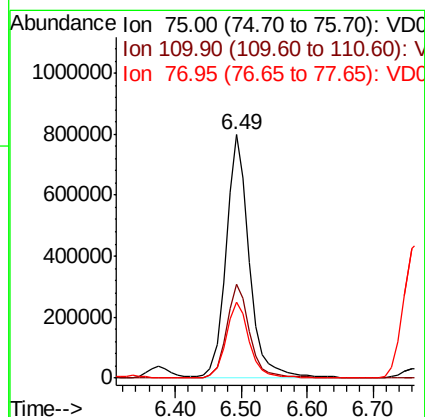
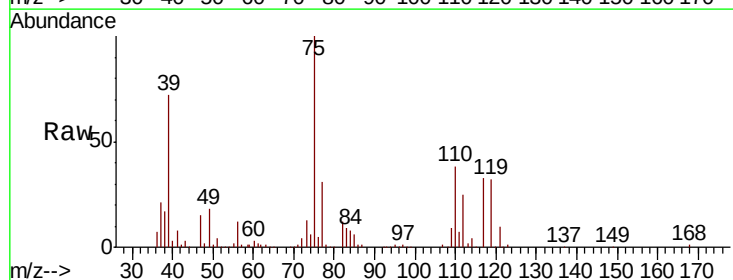
Tgt Ion: 75 Resp: 1936937

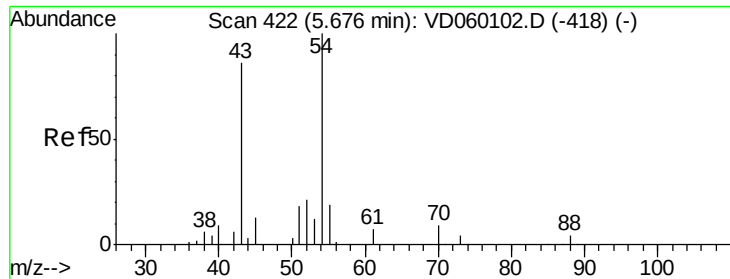
Ion Ratio Lower Upper

75 100

110 38.4 19.0 57.0

77 31.3 24.9 37.3





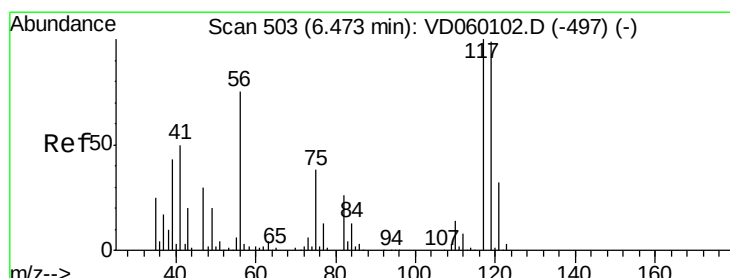
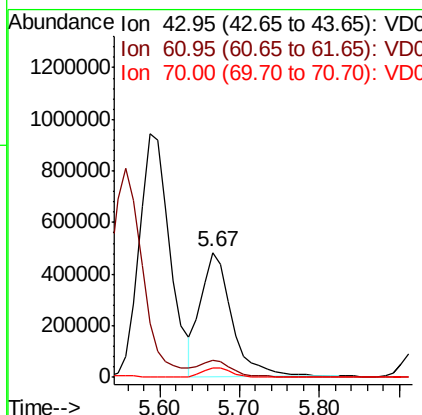
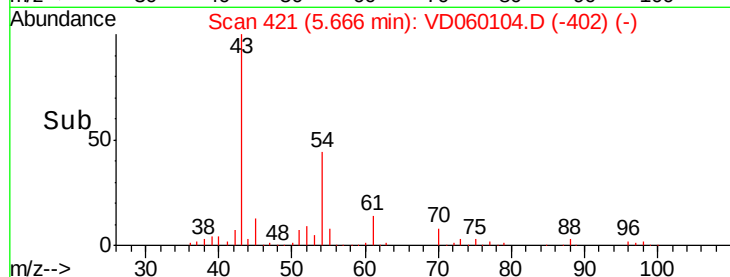
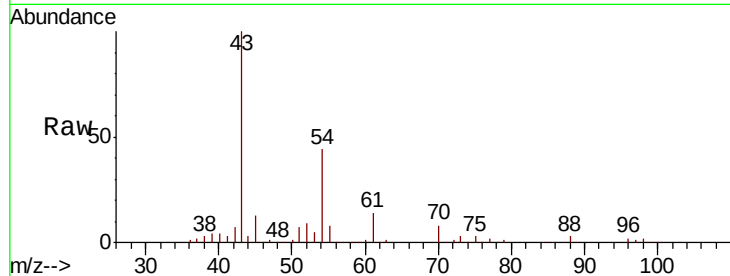
#37
Ethyl Acetate
Concen: 88.999 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1306185
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 7.6 6.3 9.5

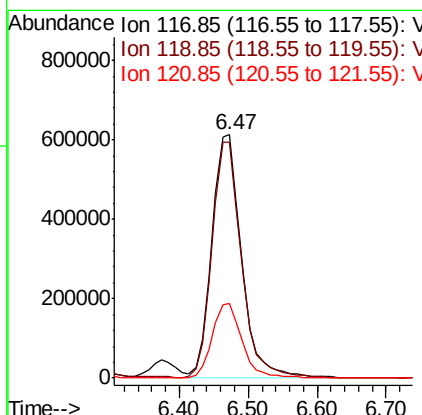
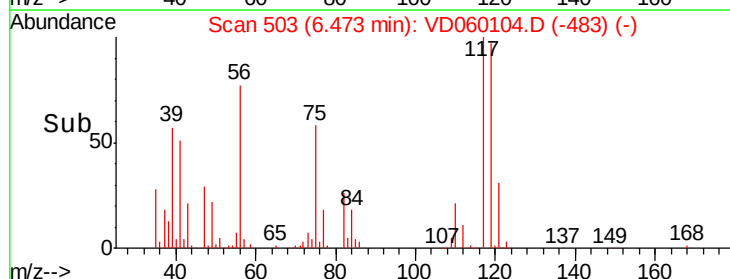
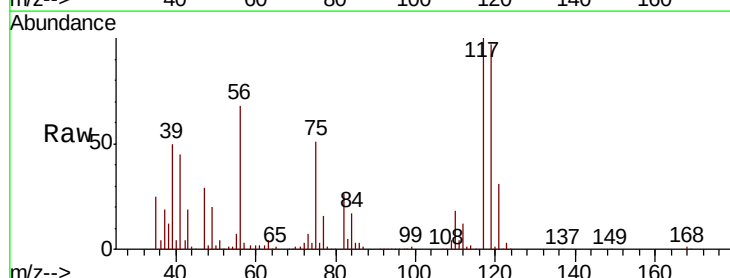
Manual Integrations
APPROVED

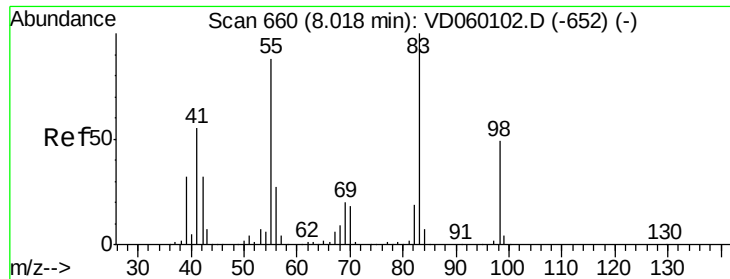
apatel
10/2/2018 12:31:23 PM



#38
Carbon Tetrachloride
Concen: 91.484 ug/l
RT: 6.47 min Scan# 503
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 117 Resp: 1805723
Ion Ratio Lower Upper
117 100
119 96.8 77.8 116.6
121 30.8 24.8 37.2





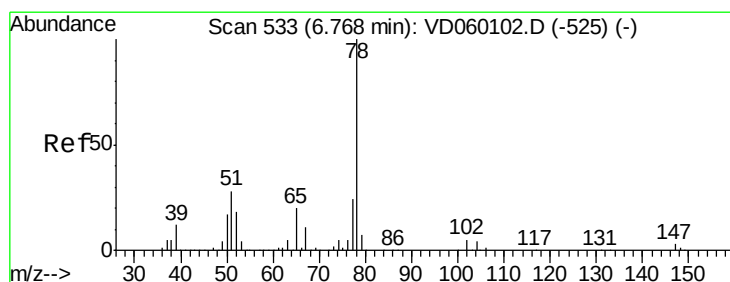
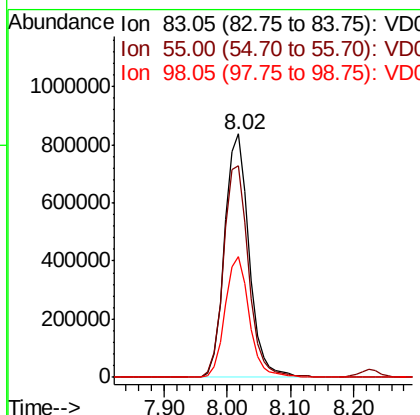
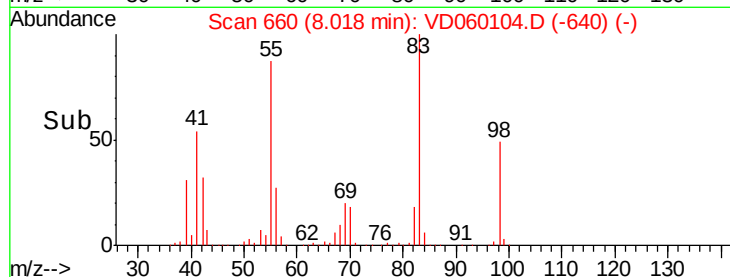
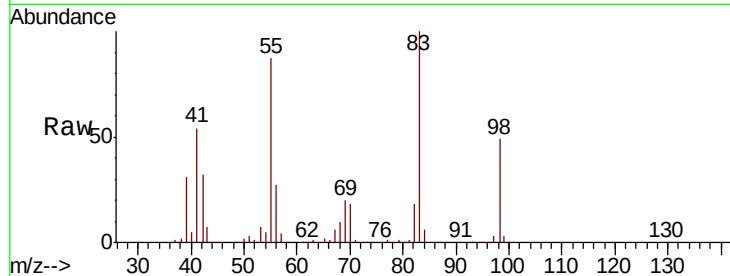
#39
Methylvlcyclohexane
Concen: 93.327 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 83 Resp: 2250645
Ion Ratio Lower Upper
83 100
55 86.7 70.5 105.7
98 49.4 39.4 59.2

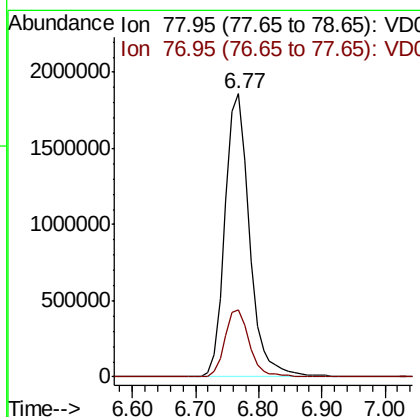
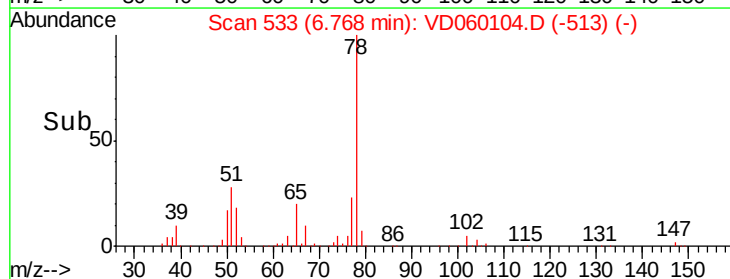
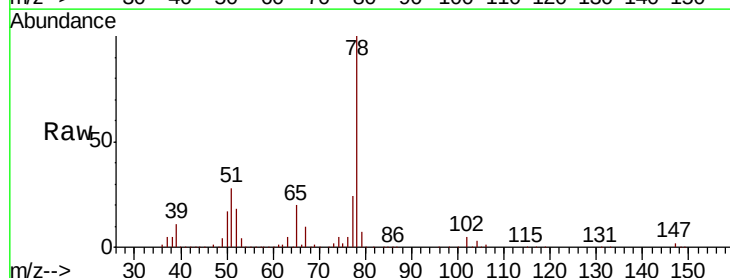
Manual Integrations
APPROVED

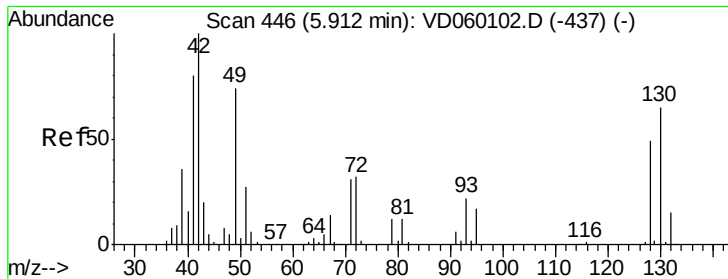
apatel
10/2/2018 12:31:23 PM



#40
Benzene
Concen: 92.777 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 78 Resp: 5032539
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4





#41

Methacrylonitrile

Concen: 82.467 ug/l m

RT: 5.90 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 643980

Ion Ratio Lower Upper

41 100

39 47.0 36.0 54.0

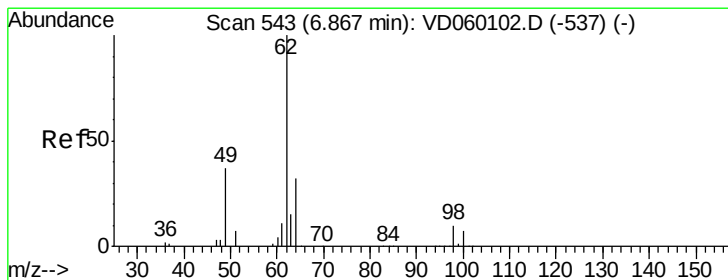
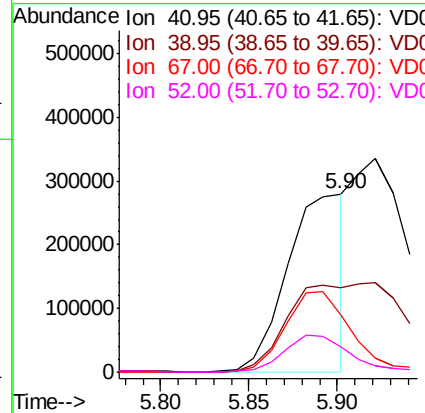
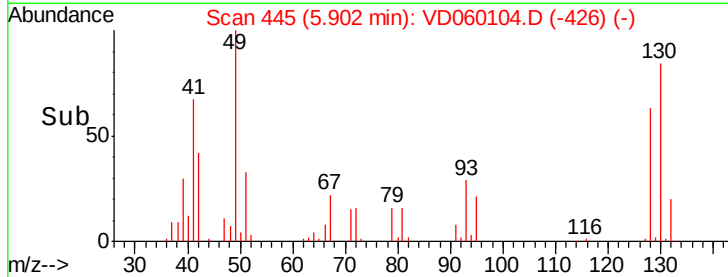
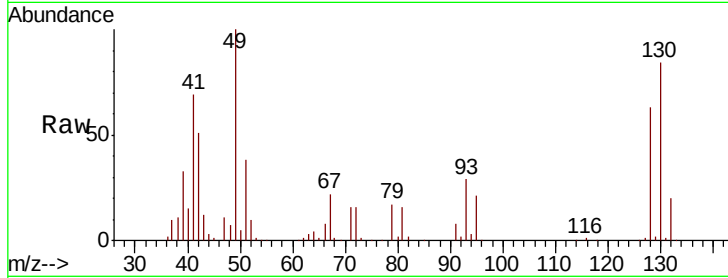
67 32.2 13.9 20.9#

52 14.2 6.1 9.1#

Manual Integrations
APPROVED

apatel

10/2/2018 12:31:23 PM



#42

1,2-Dichloroethane

Concen: 92.412 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.00 min

Lab File: VD060104.D

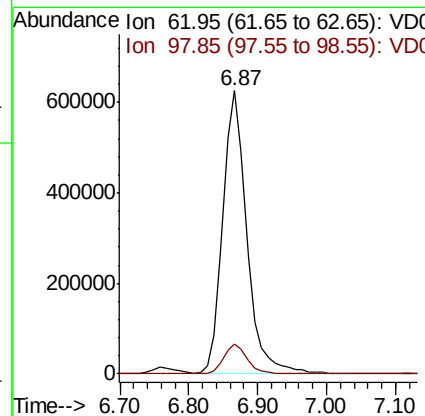
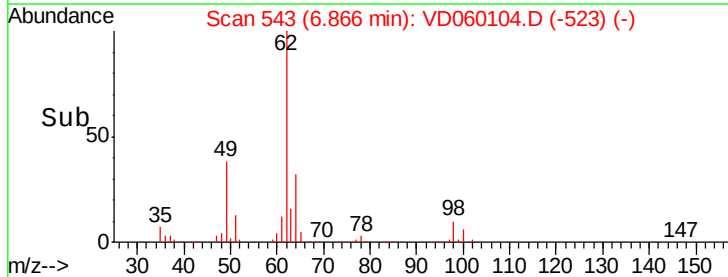
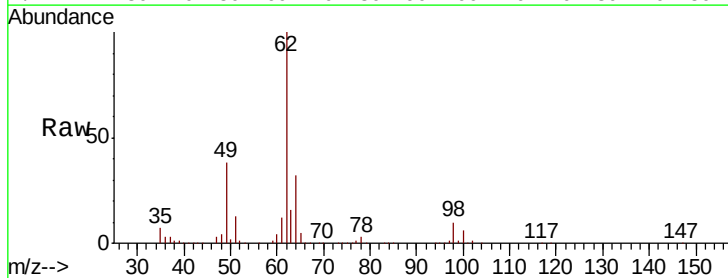
Acq: 1 Oct 2018 18:46

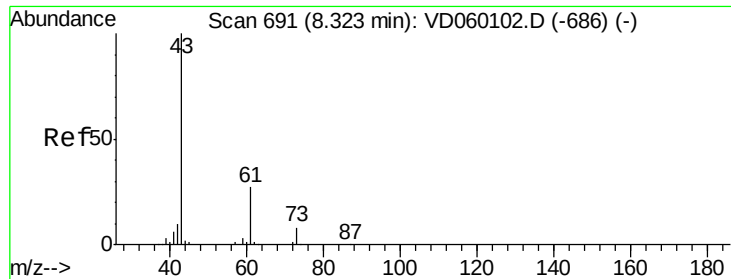
Tgt Ion: 62 Resp: 1503414

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.6





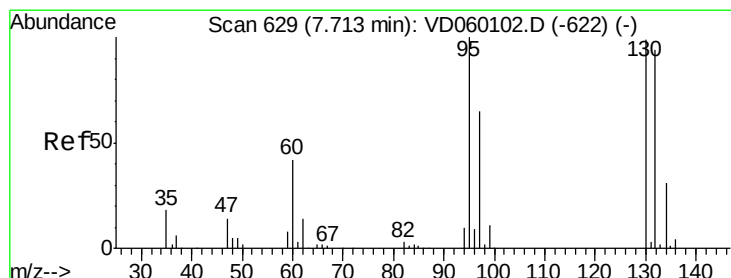
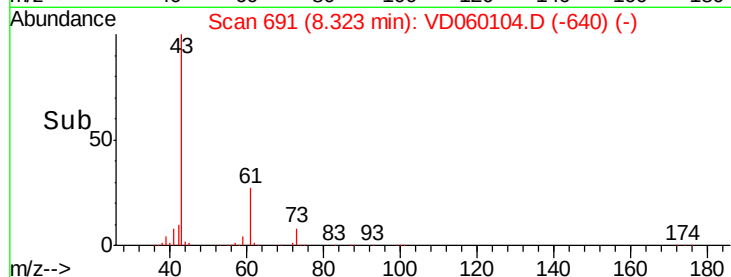
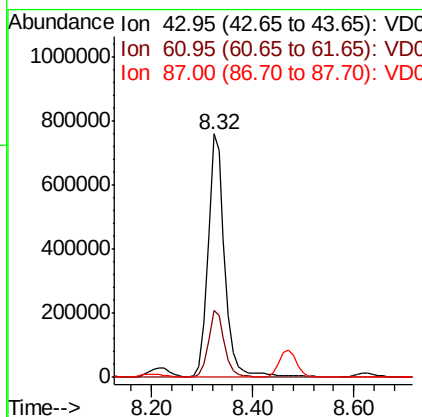
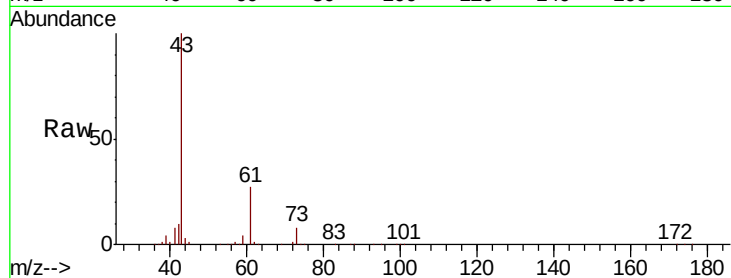
#43
Isopropyl Acetate
Concen: 90.503 ug/l
RT: 8.32 min Scan# 691
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1760035
Ion Ratio Lower Upper
43 100
61 27.3 21.4 32.2
87 0.2 0.2 0.2

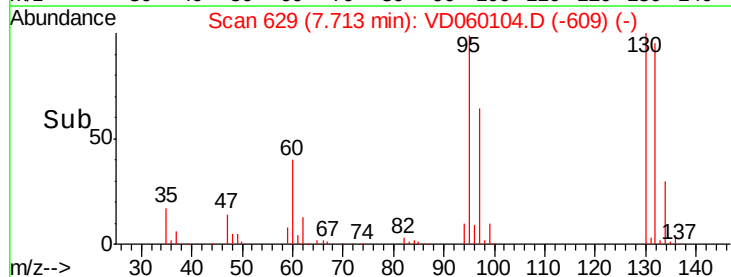
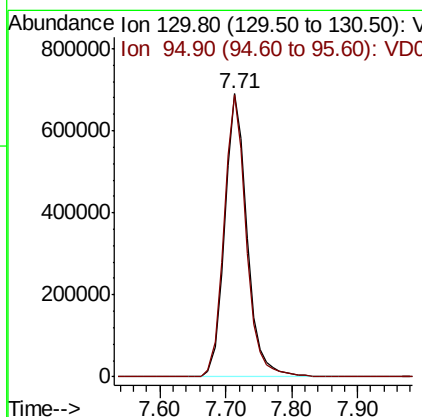
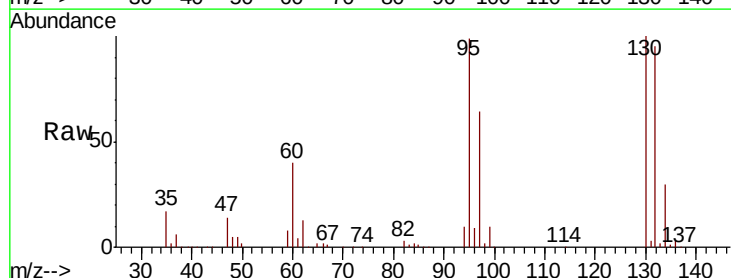
Manual Integrations
APPROVED

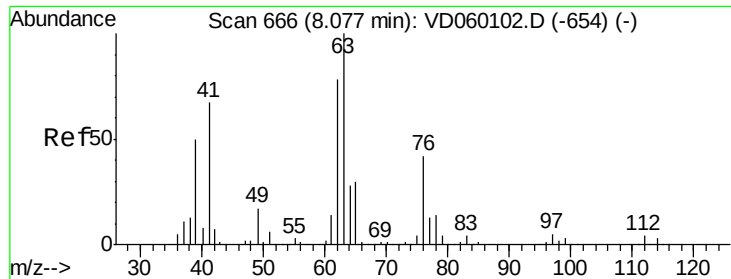
apatel
10/2/2018 12:31:23 PM



#44
Trichloroethene
Concen: 97.391 ug/l
RT: 7.71 min Scan# 629
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion:130 Resp: 1640834
Ion Ratio Lower Upper
130 100
95 99.5 0.0 202.2





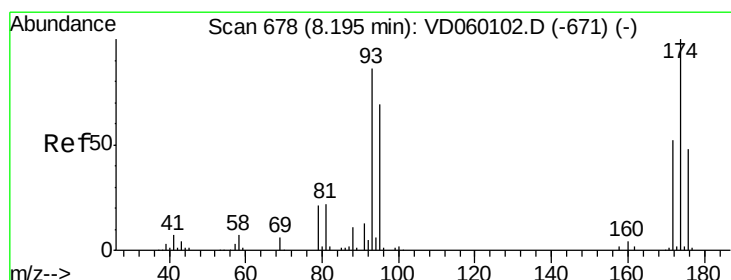
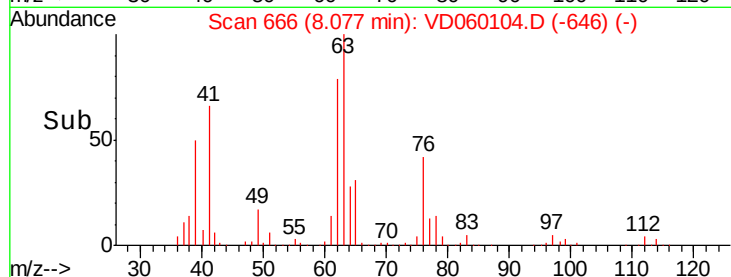
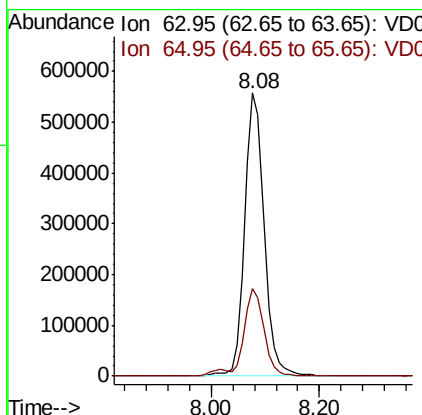
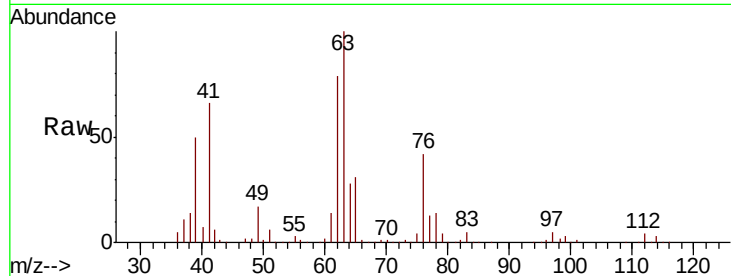
#45
 1,2-Dichloropropane
 Concen: 96.064 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 1394809
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.1 36.1

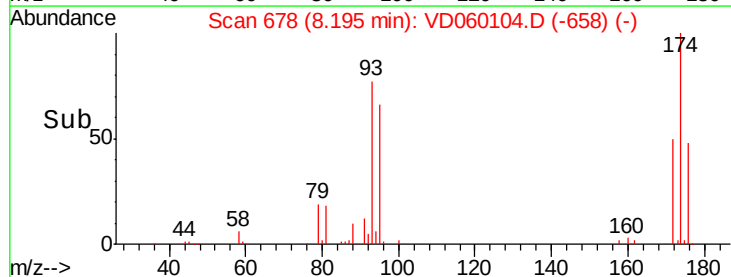
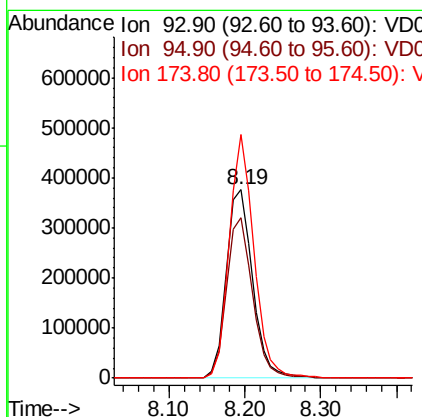
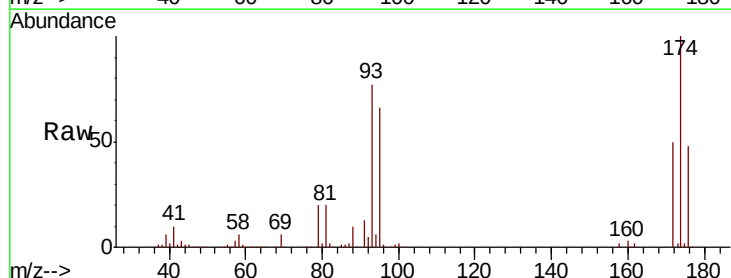
Manual Integrations
 APPROVED

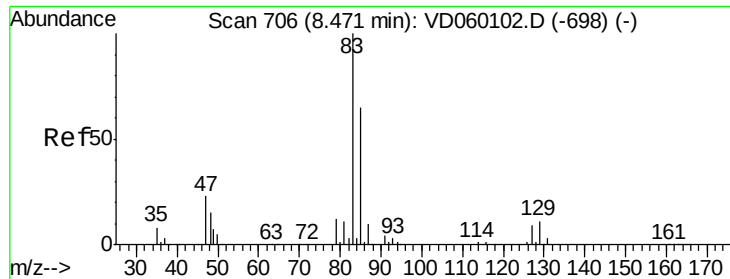
apatel
 10/2/2018 12:31:23 PM



#46
 Dibromomethane
 Concen: 95.360 ug/l
 RT: 8.19 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion: 93 Resp: 899967
 Ion Ratio Lower Upper
 93 100
 95 85.2 63.8 95.6
 174 129.2 92.9 139.3





#47

Bromodichloromethane

Concen: 94.163 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

Tot Ion: 83 Resp: 1921101

Ion Ratio Lower Upper

83 100

85 65.9 52.2 78.2

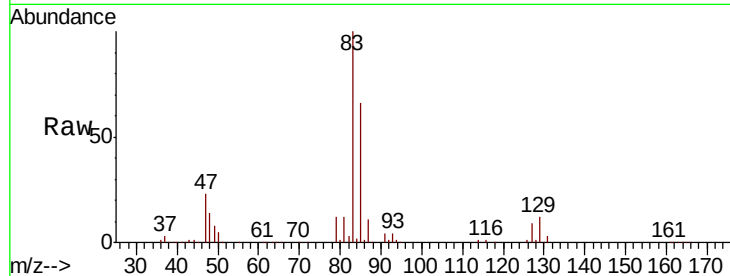
127 9.3 7.4 11.0

Manual Integrations

APPROVED

apatel

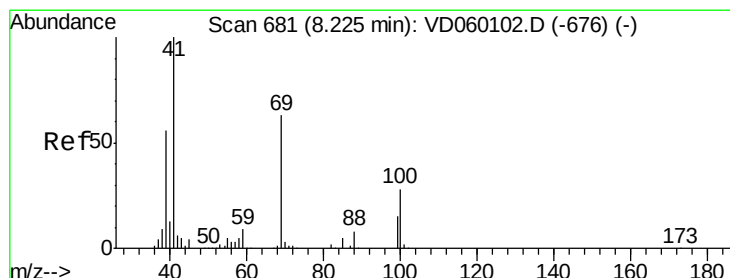
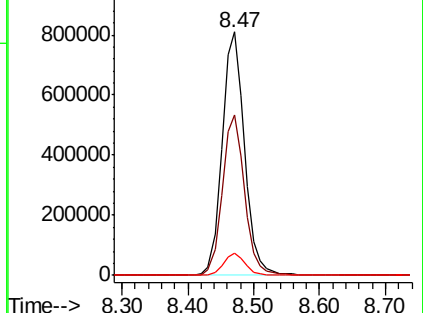
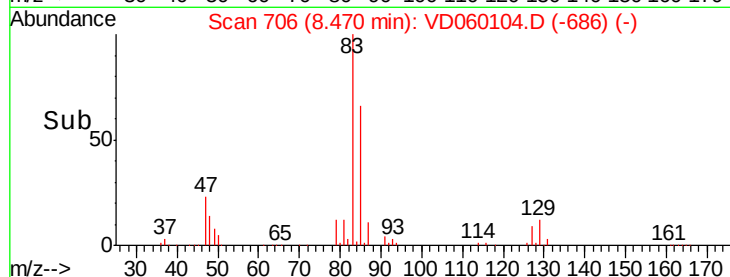
10/2/2018 12:31:23 PM



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 94.017 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

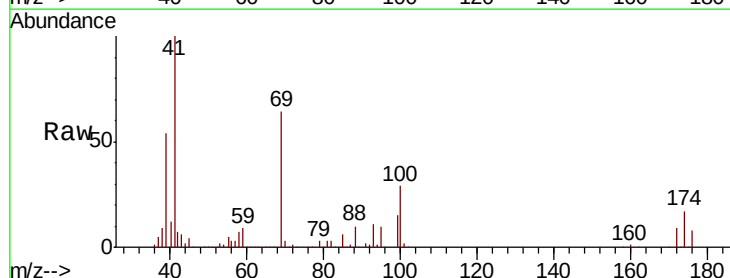
Tgt Ion: 41 Resp: 1019298

Ion Ratio Lower Upper

41 100

69 64.3 49.7 74.5

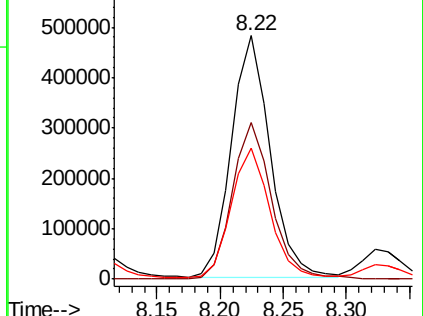
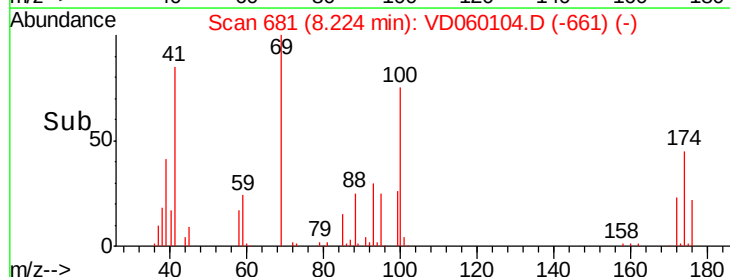
39 53.8 45.2 67.8

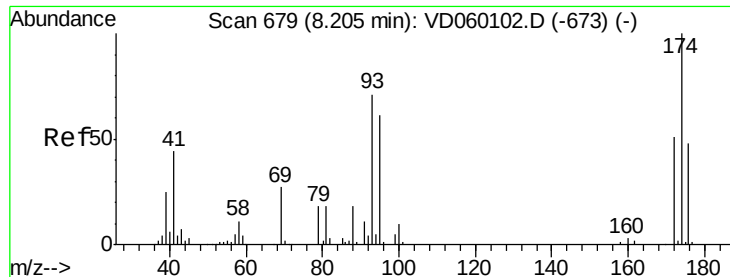


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





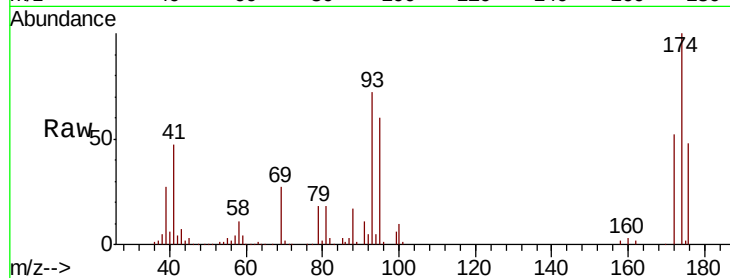
#49
1,4-Dioxane
Concen: 1889.763 ug/l
RT: 8.20 min Scan# 679
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.2	33.7	50.5
58	64.6	49.1	73.7

Manual Integrations
APPROVED

apatel
10/2/2018 12:31:23 PM

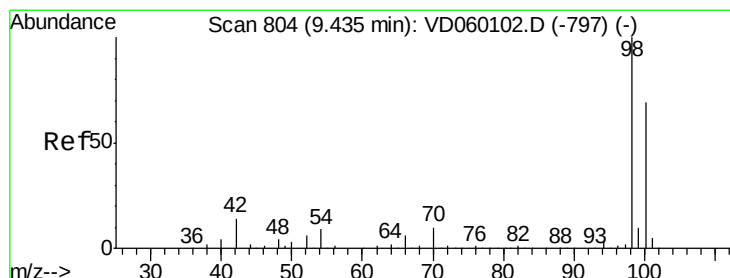
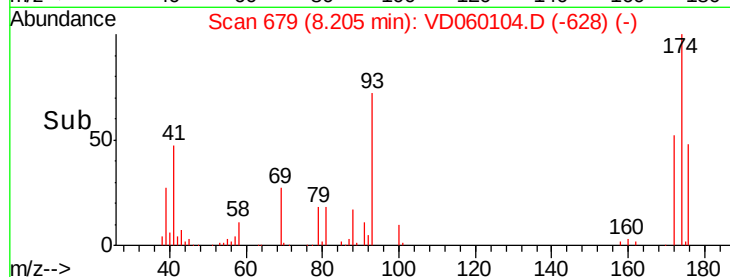
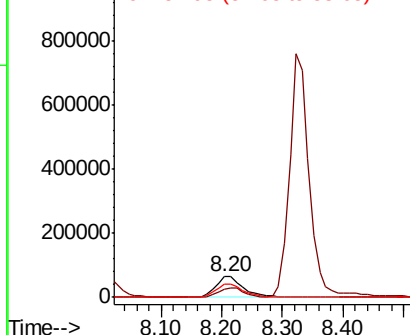


Abundance

Ion 88.00 (87.70 to 88.70): VDC

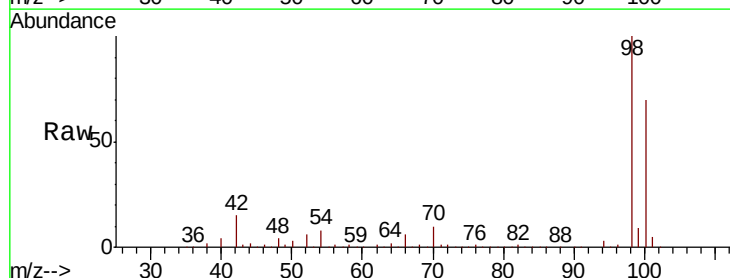
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
Toluene-d8
Concen: 1889.763 ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

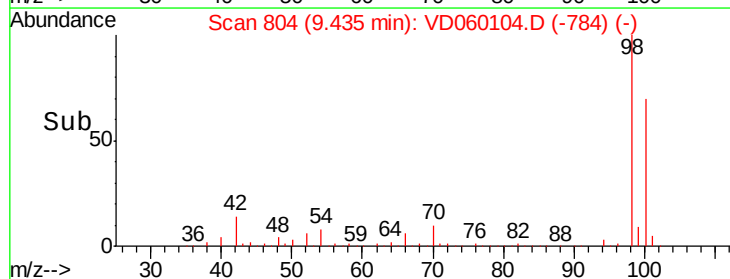
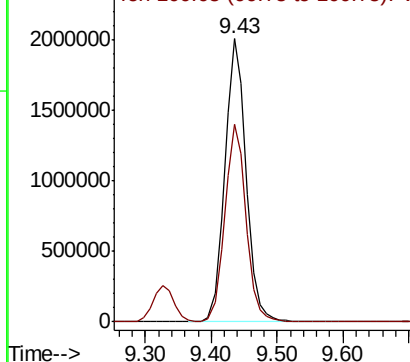
Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.0	55.4	83.0

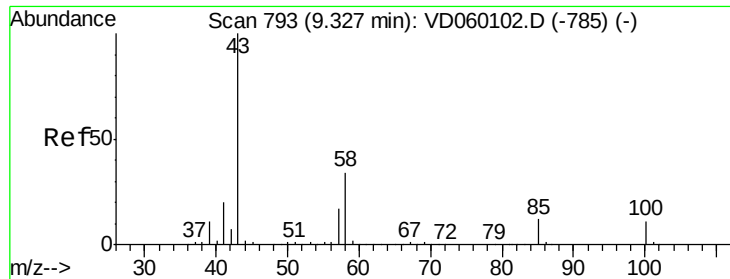


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 400.261 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5339939

Ion Ratio Lower Upper

43 100

58 34.5

27.2

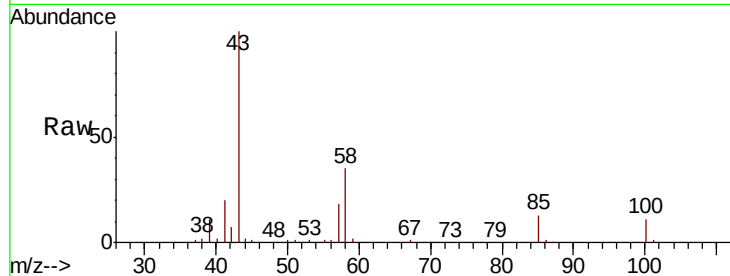
40.8

Manual Integrations

APPROVED

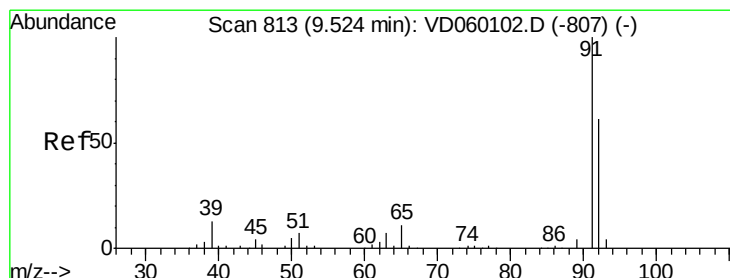
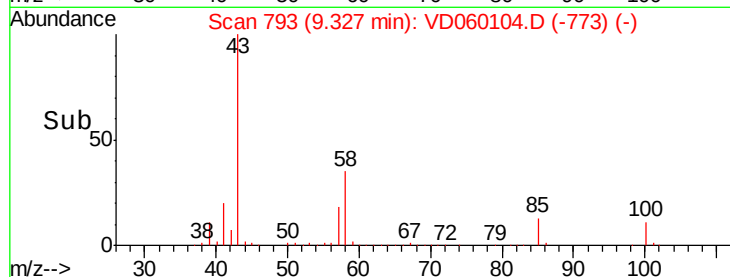
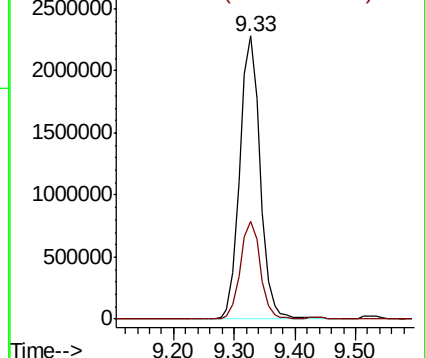
apatel

10/2/2018 12:31:23 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 93.848 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Tgt Ion: 92 Resp: 3285553

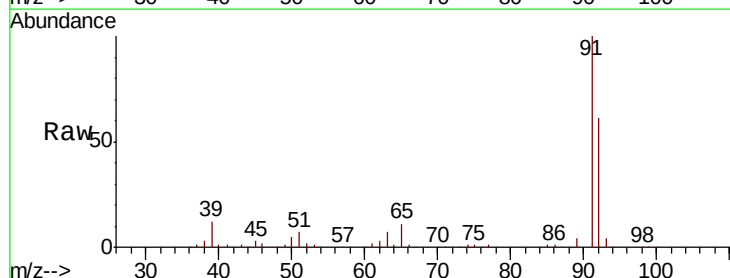
Ion Ratio Lower Upper

92 100

91 162.9

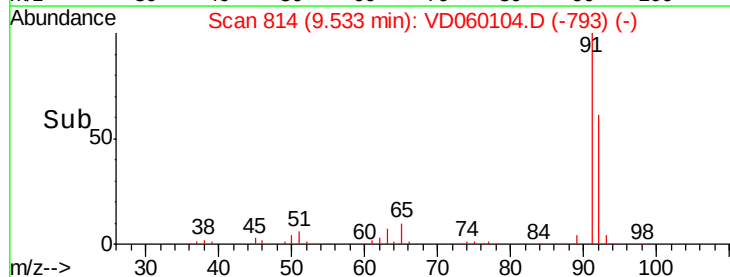
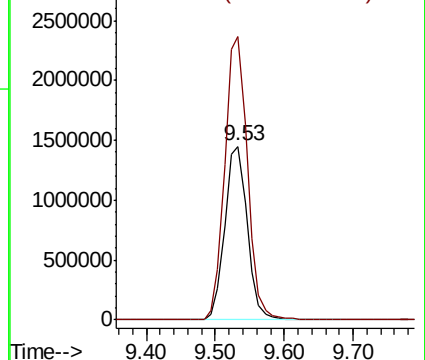
131.9

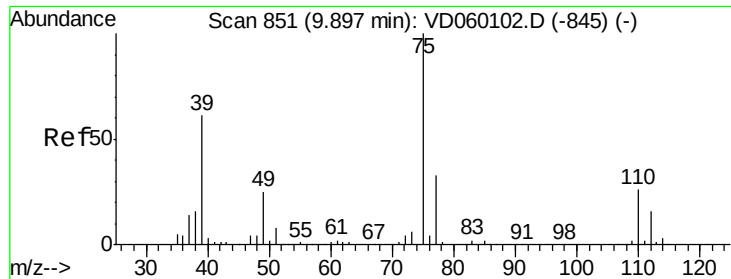
197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 93.221 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Tot Ion: 75 Resp: 1776110

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

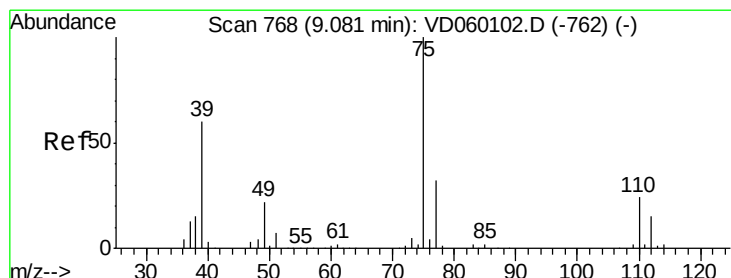
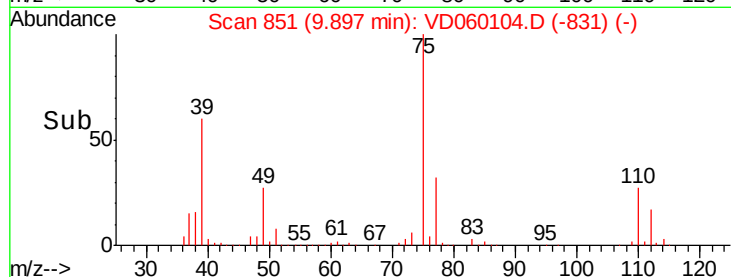
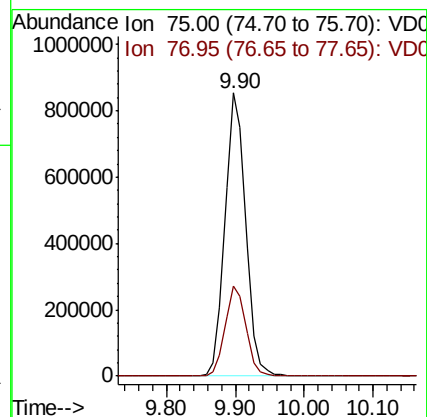
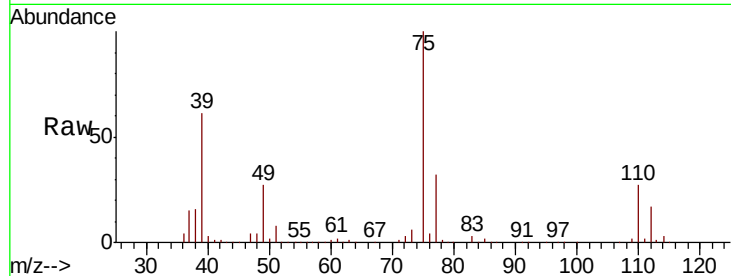
VSTDIC100

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:23 PM



#54

cis-1,3-Dichloropropene

Concen: 94.093 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

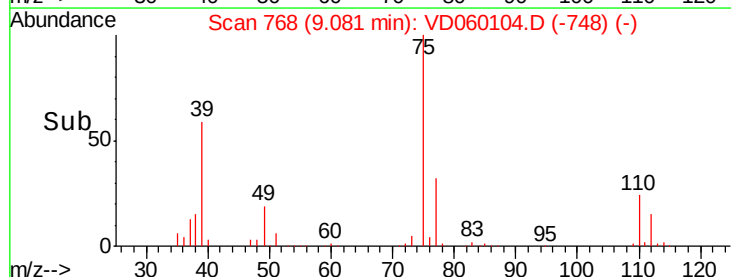
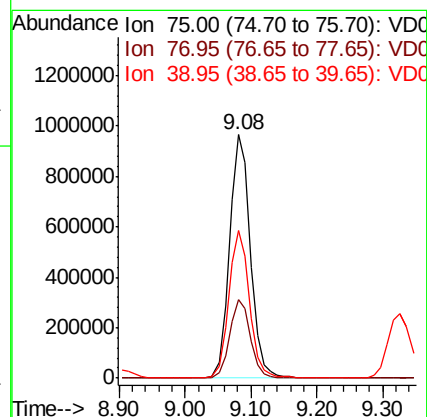
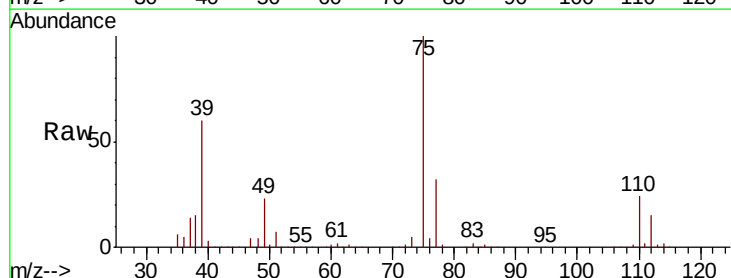
Tgt Ion: 75 Resp: 2139051

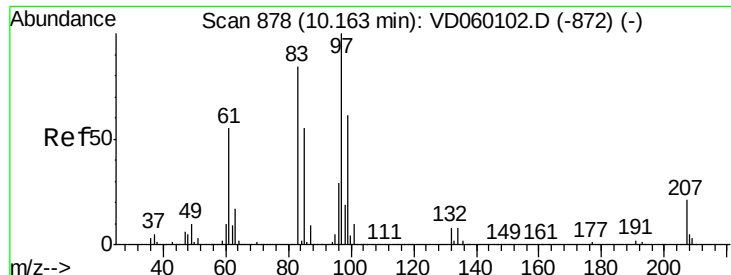
Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

39 60.5 48.2 72.4





#55
 1,1,2-Trichloroethane
 Concen: 88.851 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

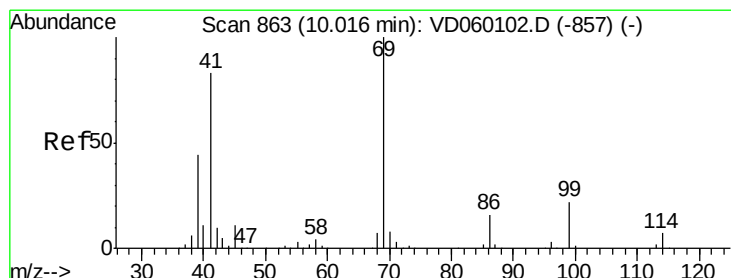
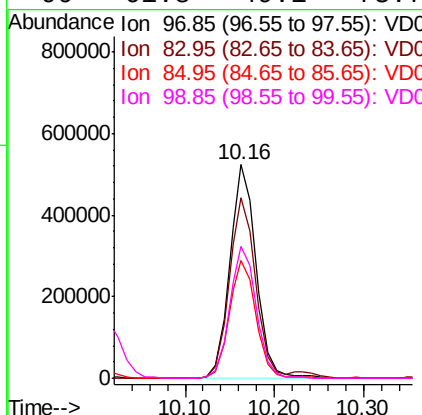
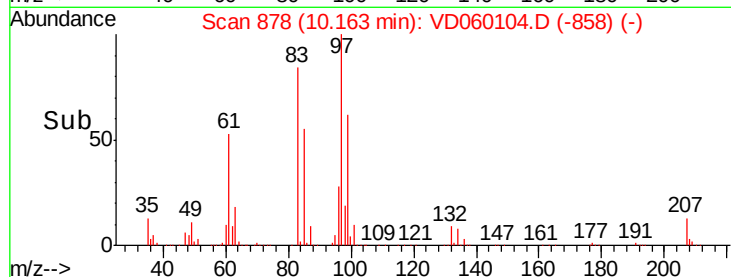
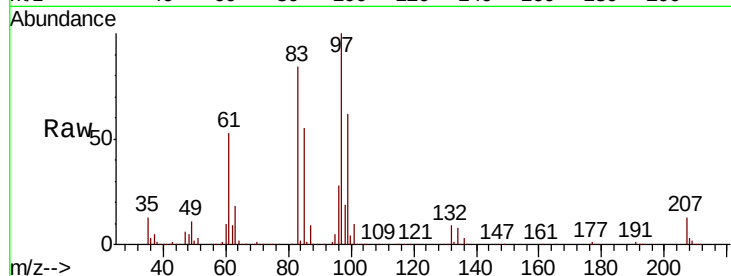
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 97 Resp: 1078846

Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.0	100.6
85	55.4	43.9	65.9
99	61.8	49.1	73.7

Manual Integrations
 APPROVED

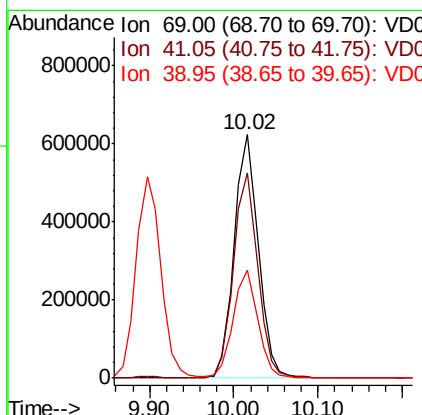
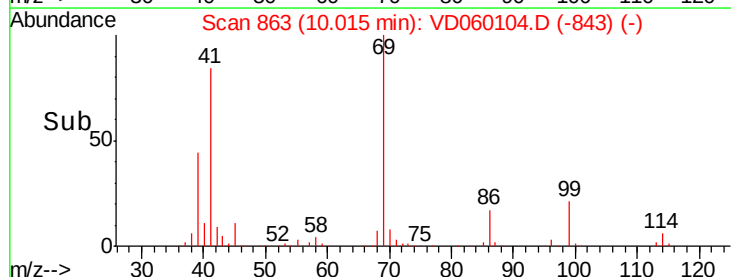
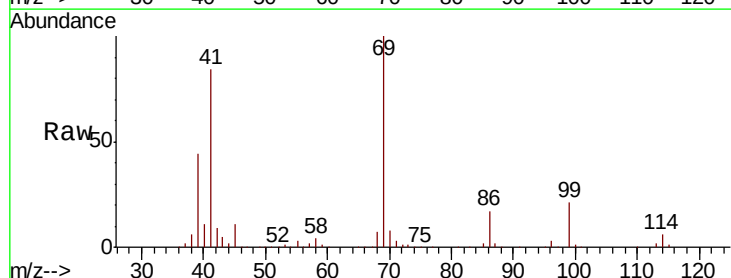
apatel
 10/2/2018 12:31:23 PM

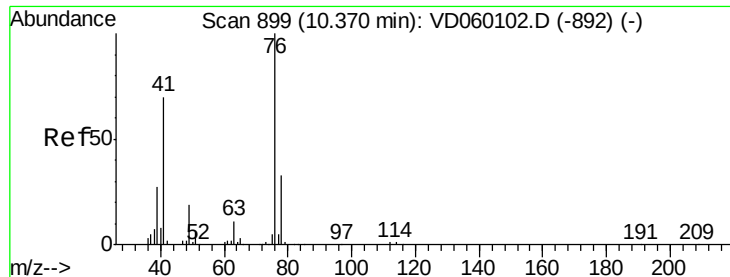


#56
 Ethyl methacrylate
 Concen: 93.659 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion: 69 Resp: 1253583

Ion	Ratio	Lower	Upper
69	100		
41	84.1	66.6	100.0
39	44.1	36.0	54.0





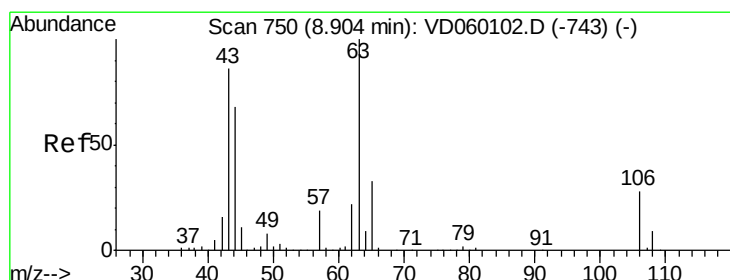
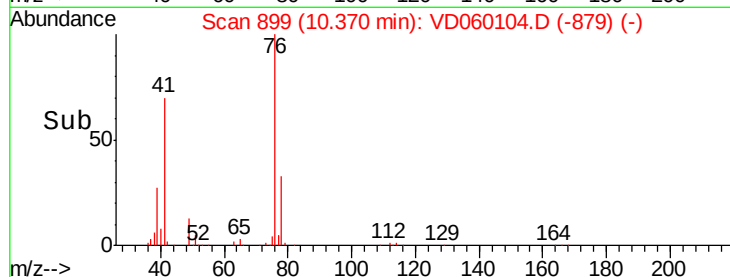
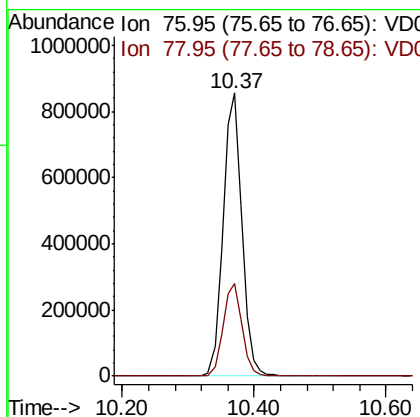
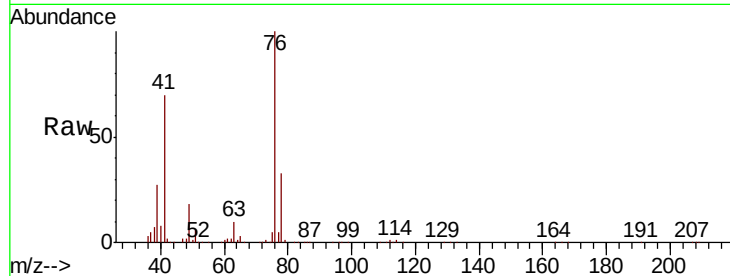
#57
 1,3-Dichloropropane
 Concen: 95.288 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 1703953
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.2

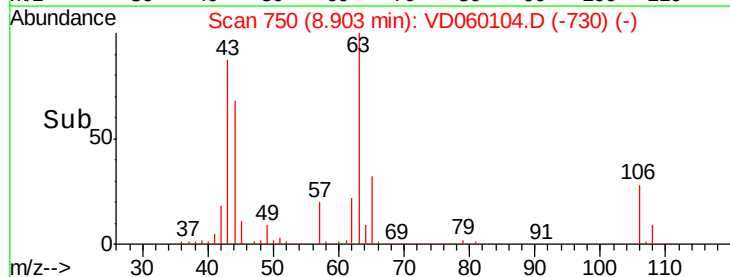
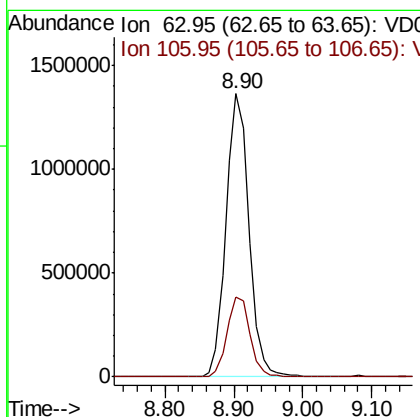
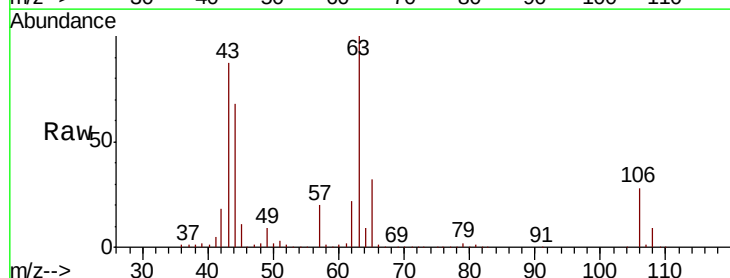
Manual Integrations
 APPROVED

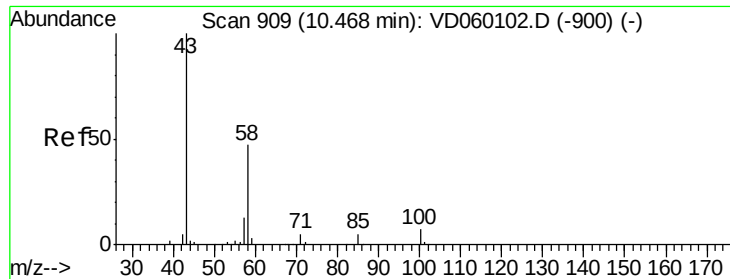
apatel
 10/2/2018 12:31:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 475.349 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion: 63 Resp: 3137376
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.6 34.0





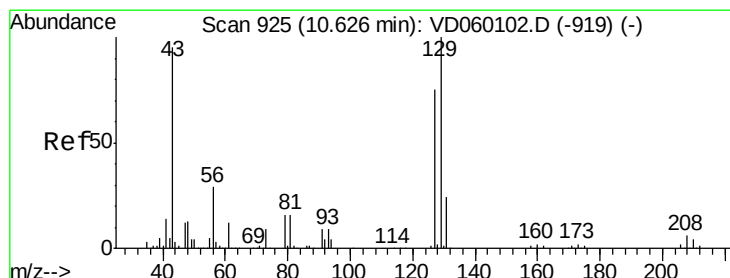
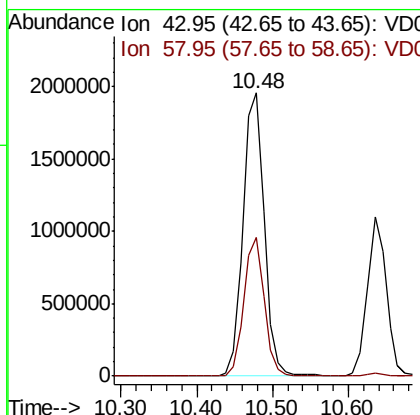
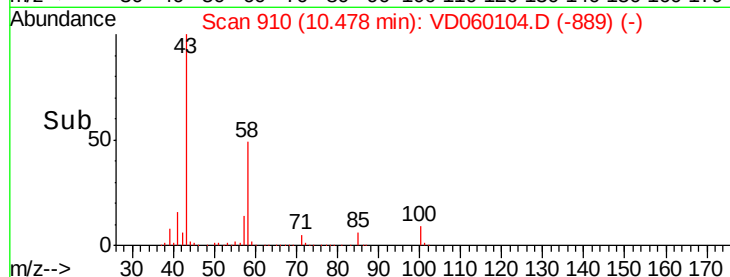
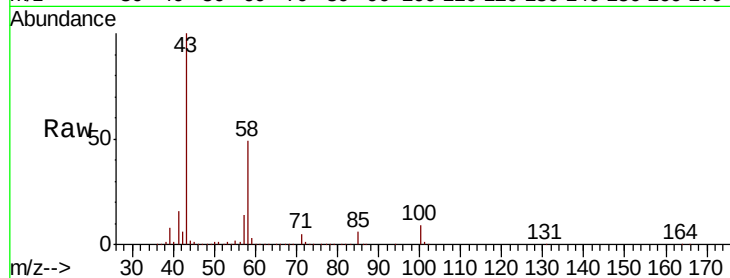
#59
2-Hexanone
Concen: 392.236 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3776096
Ion Ratio Lower Upper
43 100
58 48.9 23.3 69.9

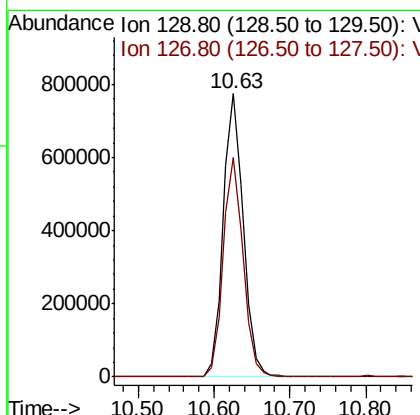
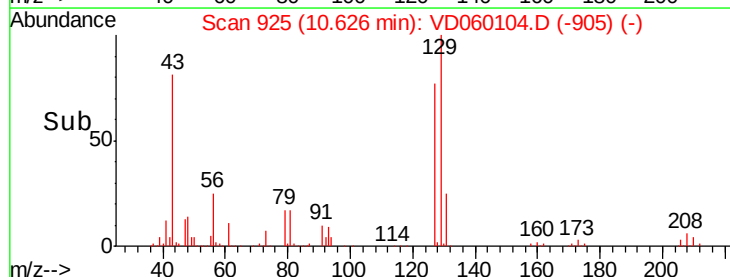
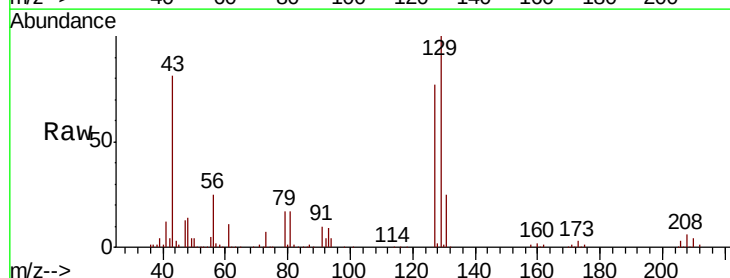
Manual Integrations
APPROVED

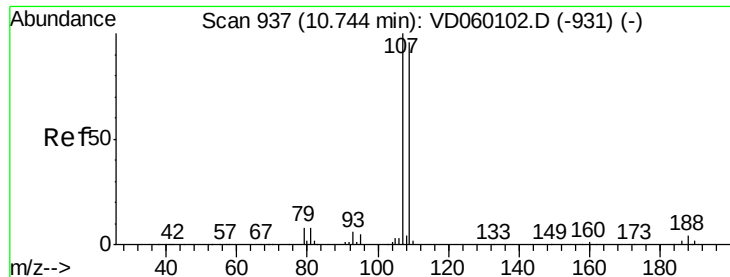
apatel
10/2/2018 12:31:23 PM



#60
Dibromochloromethane
Concen: 97.148 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 129 Resp: 1423188
Ion Ratio Lower Upper
129 100
127 77.3 37.4 112.2





#61

1,2-Dibromoethane

Concen: 97.066 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 1216528

Ion Ratio Lower Upper

107 100

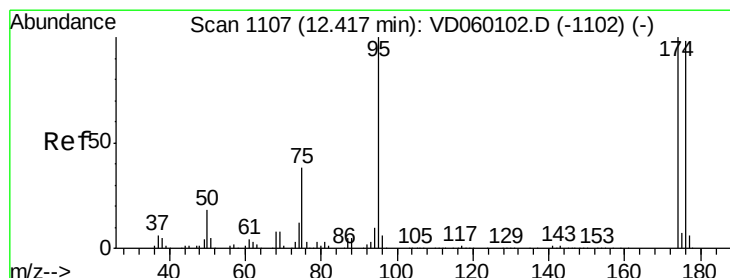
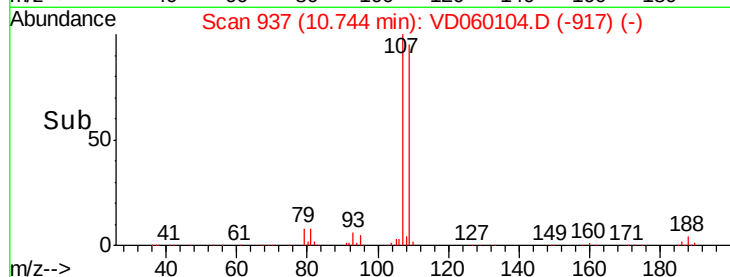
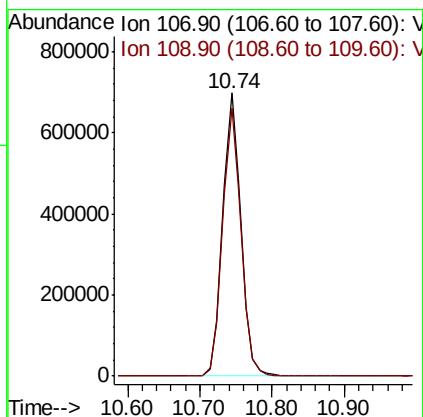
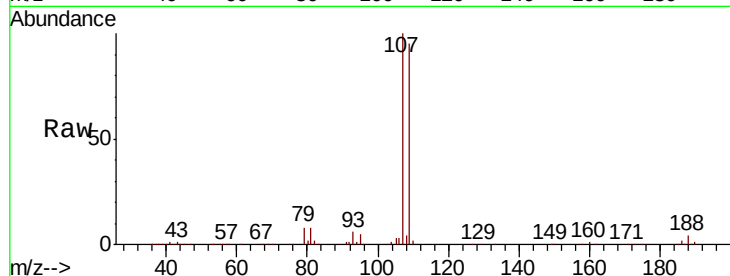
109 94.6 77.1 115.7

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:23 PM



#62

4-Bromofluorobenzene

Concen: 97.066 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

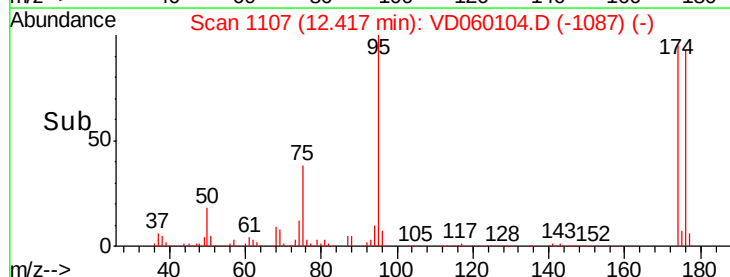
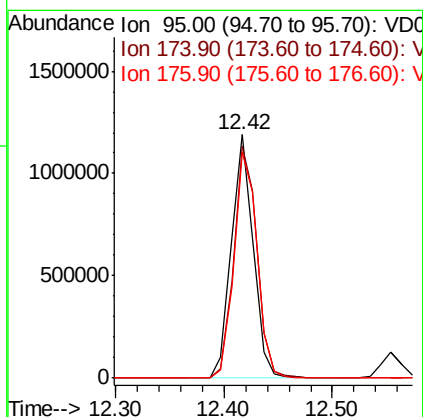
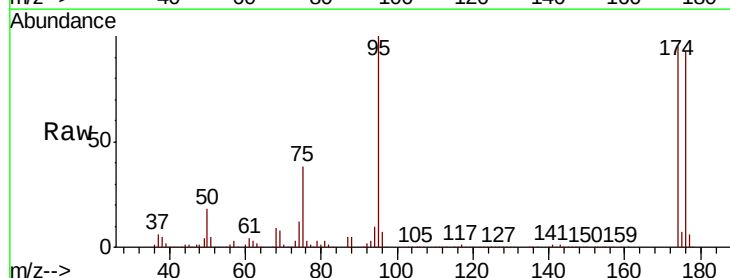
Tgt Ion: 95 Resp: 1678491

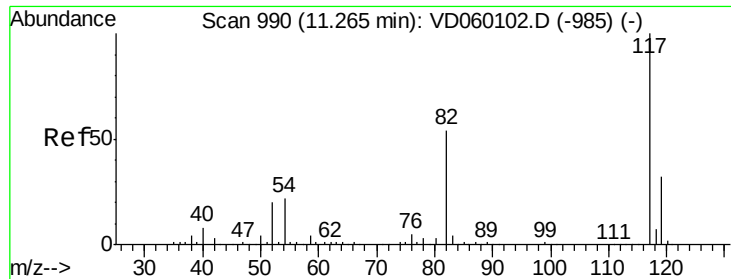
Ion Ratio Lower Upper

95 100

174 95.1 0.0 200.2

176 92.6 0.0 195.6





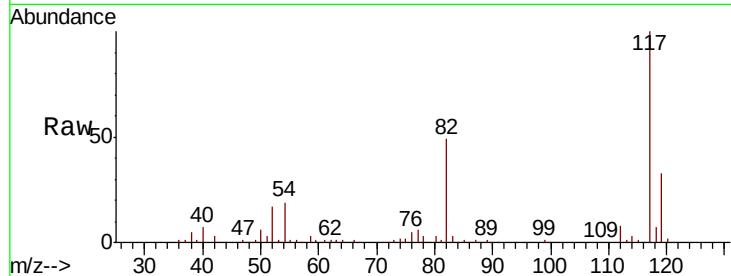
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

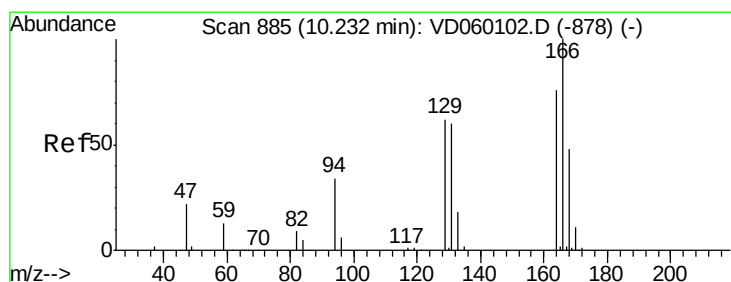
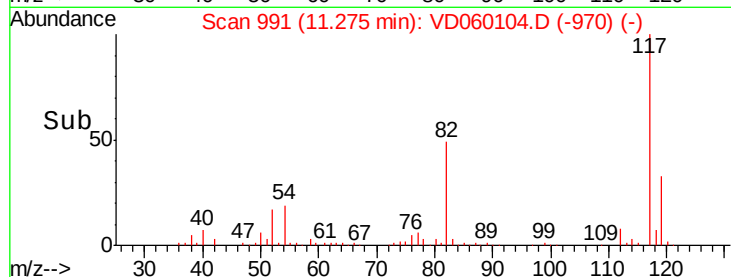
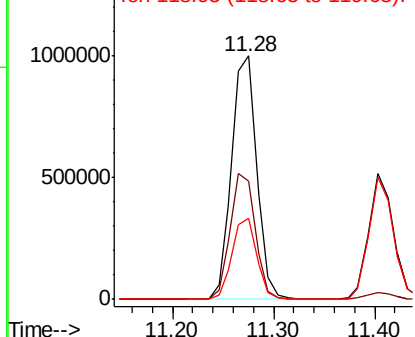
Tot Ion:117 Resp: 1726995
Ion Ratio Lower Upper
117 100
82 48.8 43.4 65.2
119 33.4 26.0 39.0

Manual Integrations
APPROVED

apatel
10/2/2018 12:31:23 PM



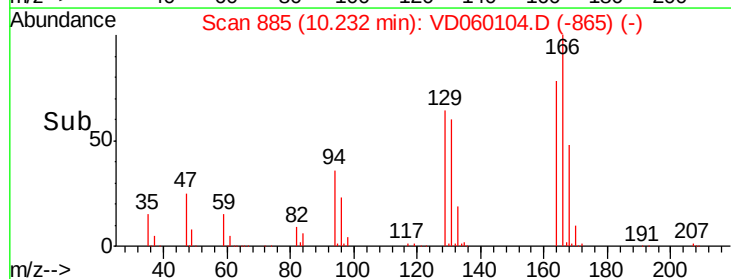
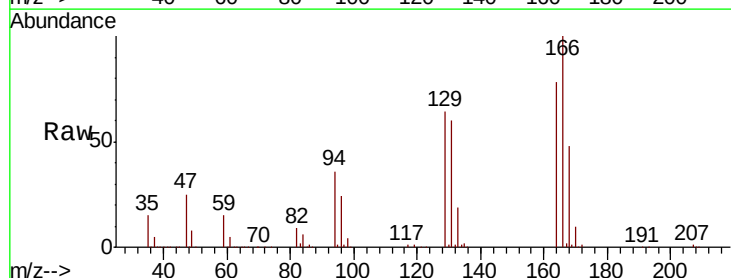
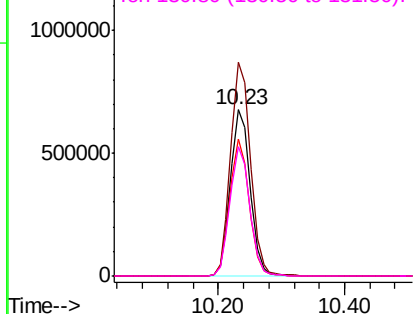
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

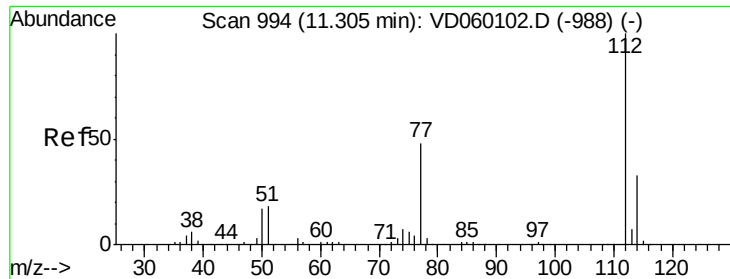


#64
Tetrachloroethene
Concen: 97.159 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion:164 Resp: 1461440
Ion Ratio Lower Upper
164 100
166 128.4 105.4 158.0
129 82.1 65.7 98.5
131 77.4 62.9 94.3

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





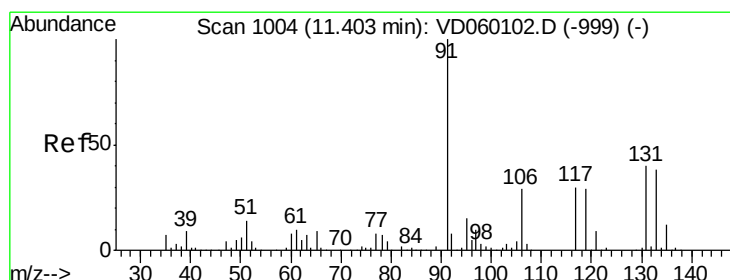
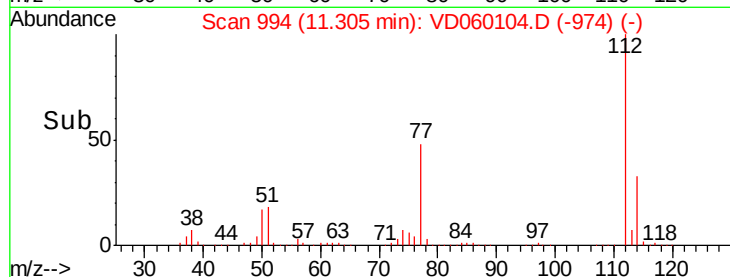
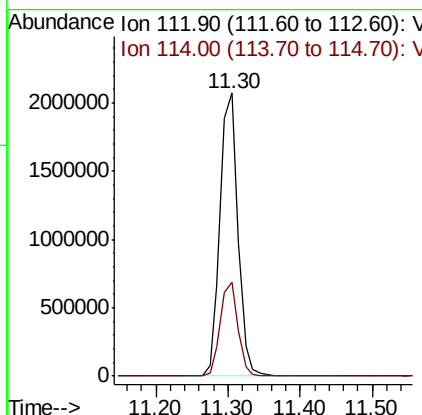
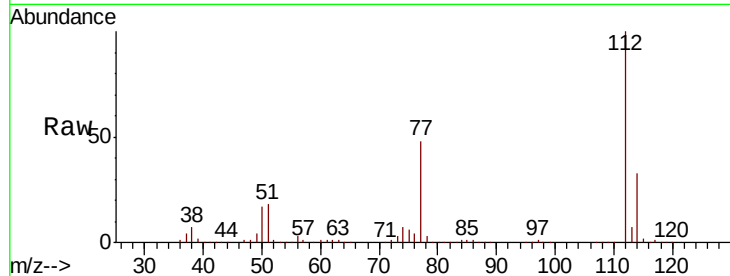
#65
Chlorobenzene
Concen: 96.416 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion:112 Resp: 3540685
Ion Ratio Lower Upper
112 100
114 33.1 26.0 39.0

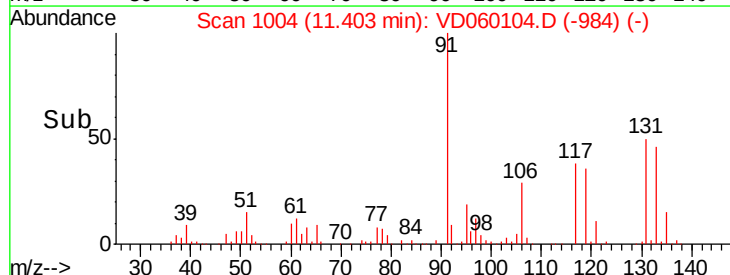
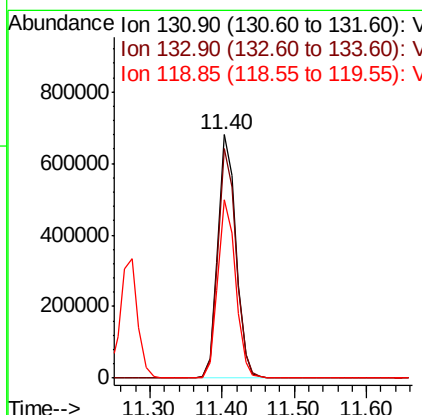
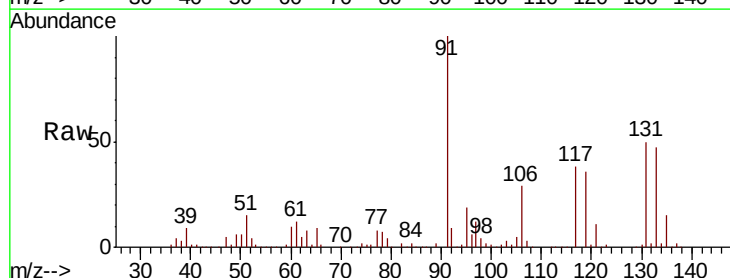
Manual Integrations
APPROVED

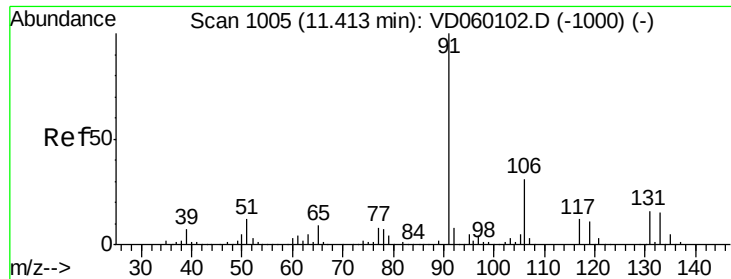
apatel
10/2/2018 12:31:23 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 94.866 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion:131 Resp: 1172057
Ion Ratio Lower Upper
131 100
133 94.1 47.4 142.3
119 73.4 36.1 108.3





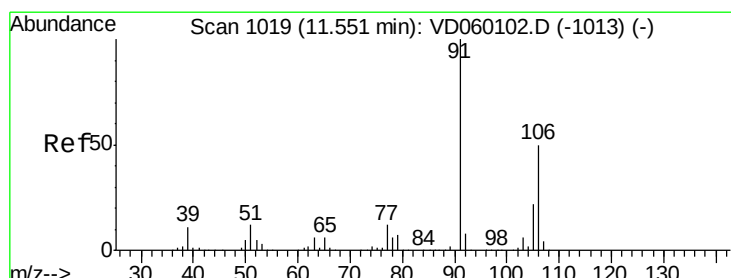
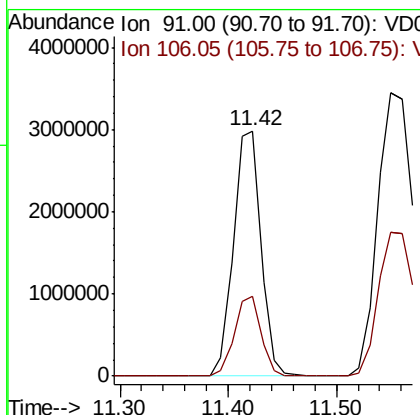
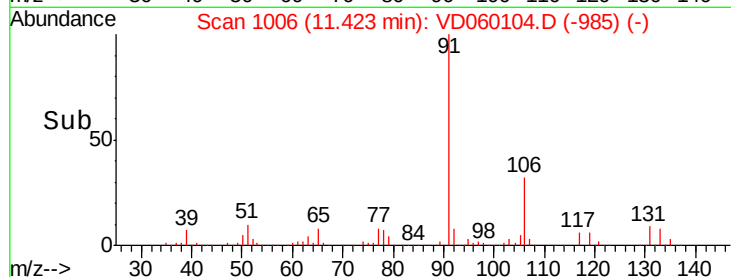
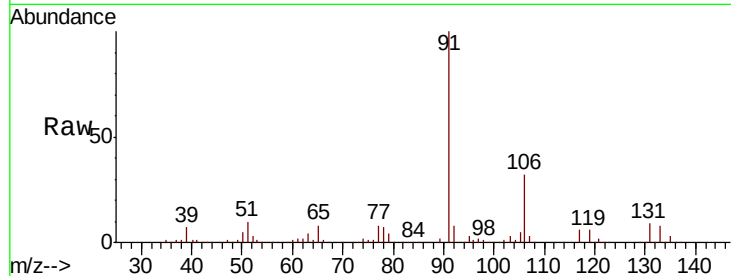
#67
Ethyl Benzene
Concen: 89.553 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 5280431
Ion Ratio Lower Upper
91 100
106 32.3 24.4 36.6

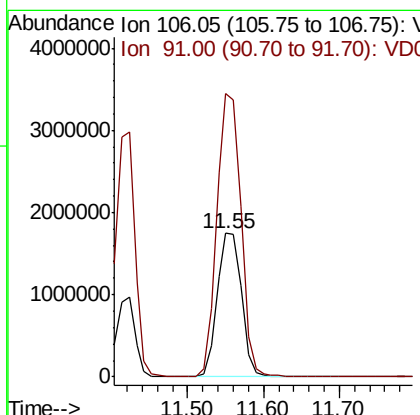
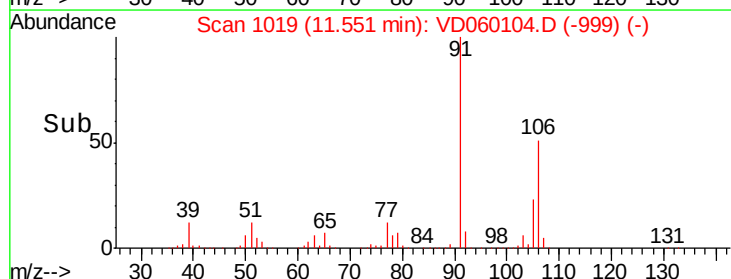
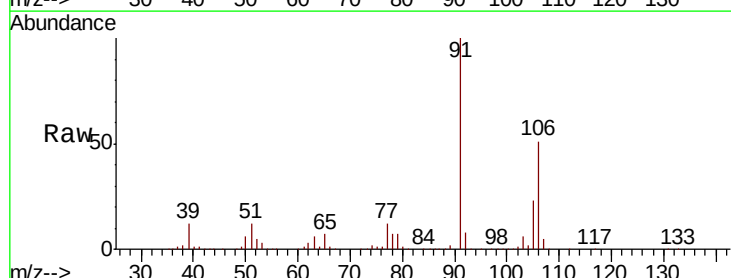
Manual Integrations
APPROVED

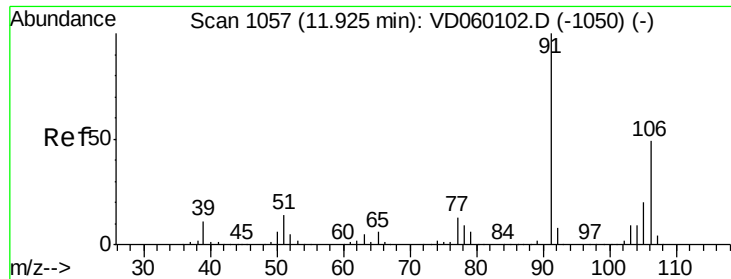
apatel
10/2/2018 12:31:23 PM



#68
m/p-Xylenes
Concen: 178.711 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 106 Resp: 3881069
Ion Ratio Lower Upper
106 100
91 197.2 160.0 240.0





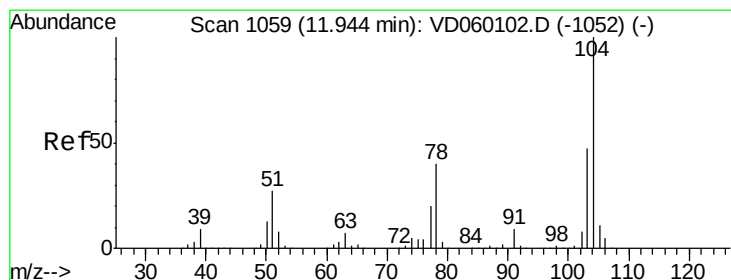
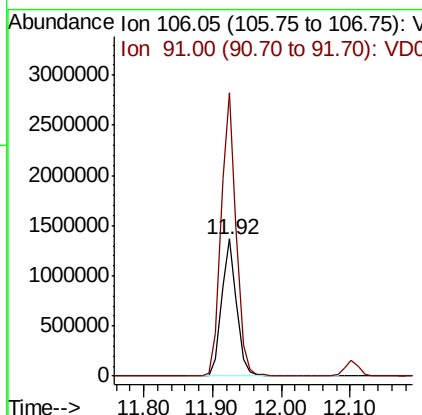
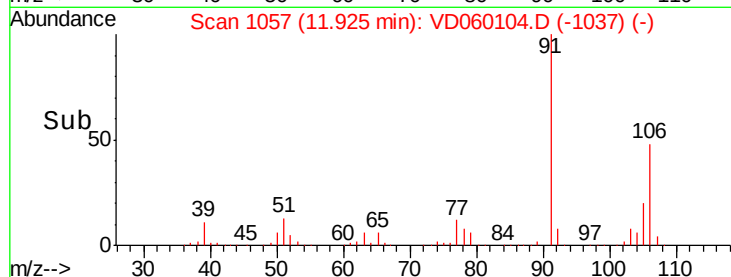
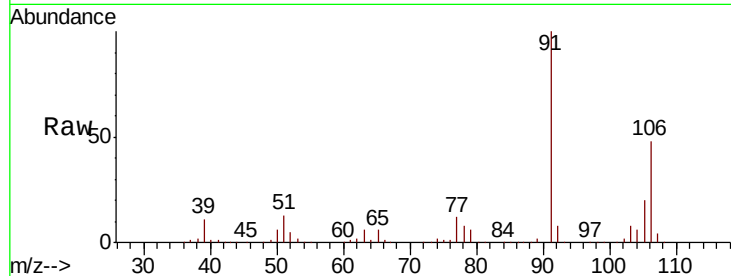
#69
o-Xylene
Concen: 93.969 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2035153
Ion Ratio Lower Upper
106 100
91 206.6 102.5 307.5

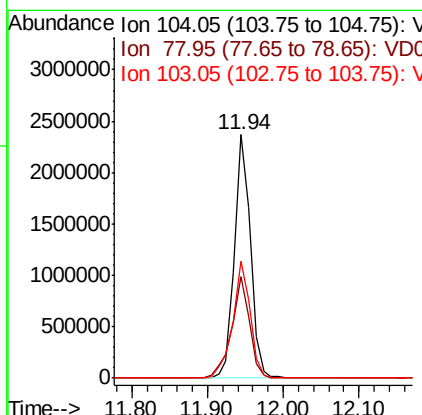
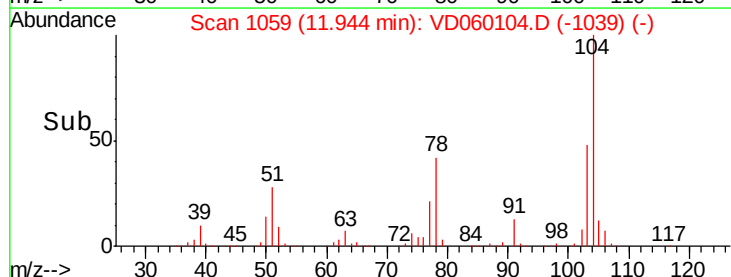
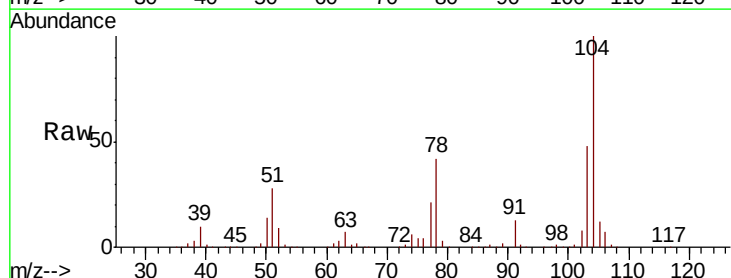
Manual Integrations
APPROVED

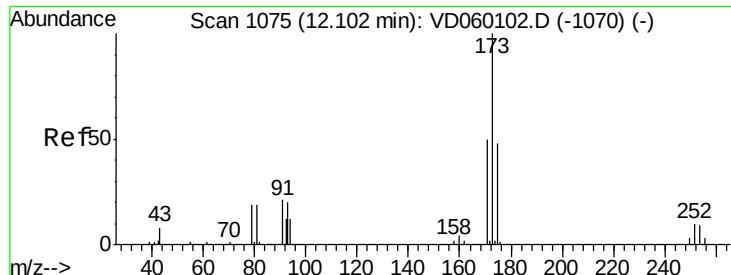
apatel
10/2/2018 12:31:23 PM



#70
Styrene
Concen: 94.165 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion:104 Resp: 3424438
Ion Ratio Lower Upper
104 100
78 41.5 32.2 48.4
103 47.9 37.4 56.0





#71

Bromoform

Concen: 102.336 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 1082156

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.4

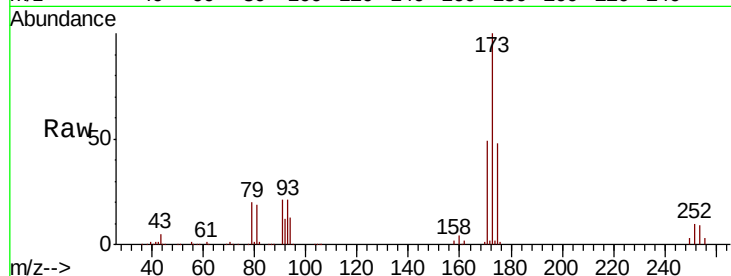
254 8.8 7.4 11.0

Manual Integrations

APPROVED

apatel

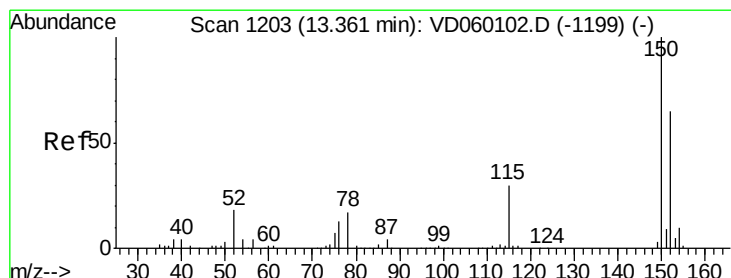
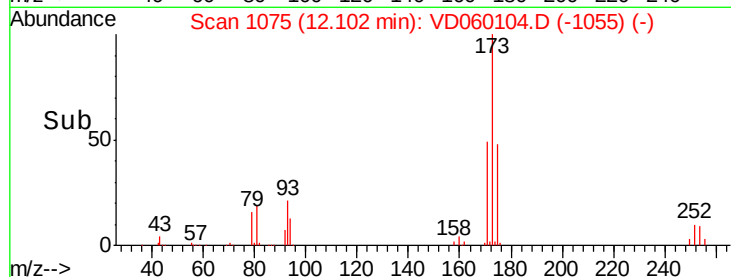
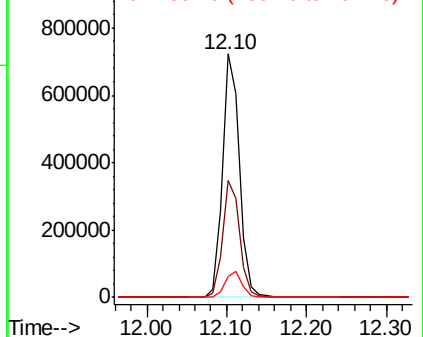
10/2/2018 12:31:23 PM



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

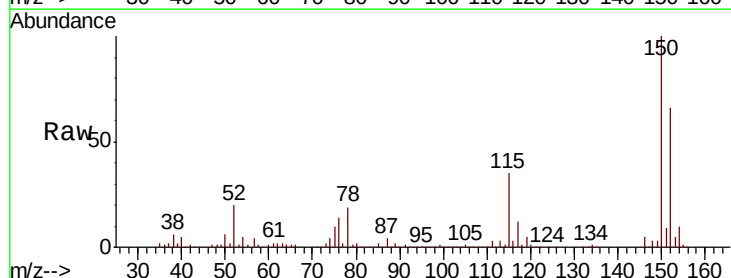
Tgt Ion:152 Resp: 898811

Ion Ratio Lower Upper

152 100

115 53.5 27.1 81.2

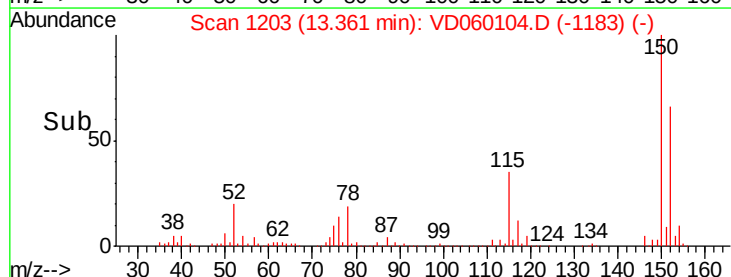
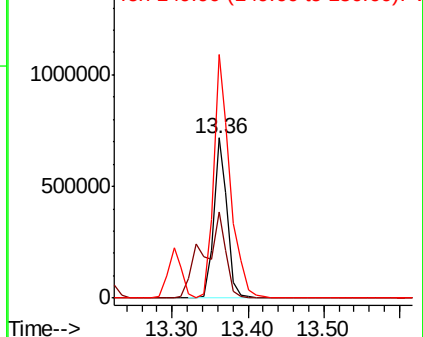
150 152.2 0.0 311.8

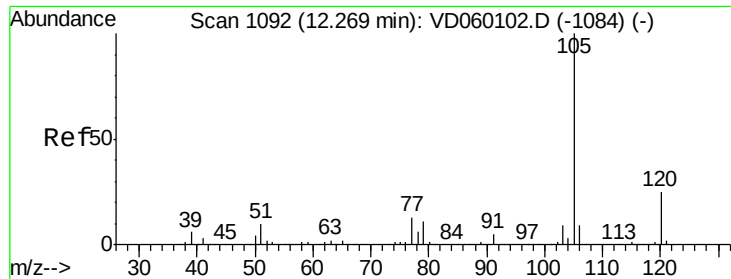


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 93.640 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 5469023

Ion Ratio Lower Upper

105 100

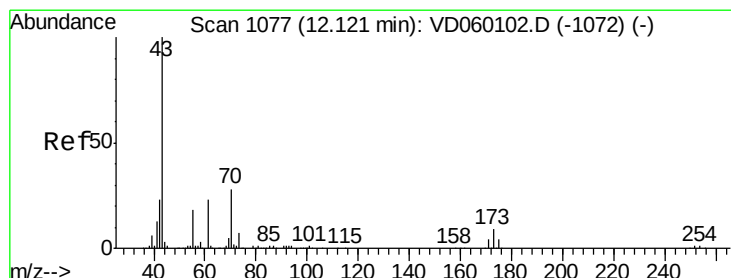
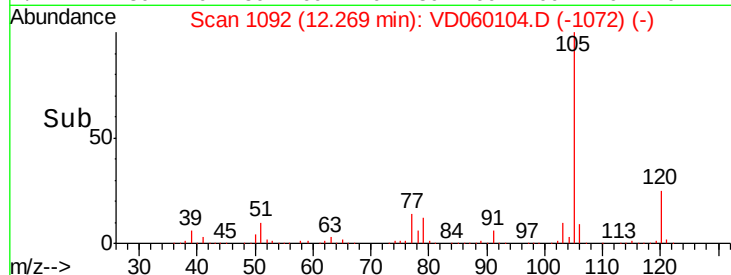
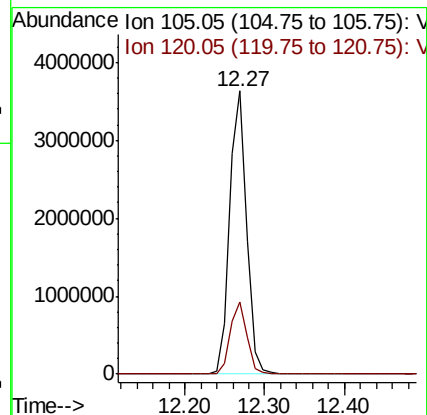
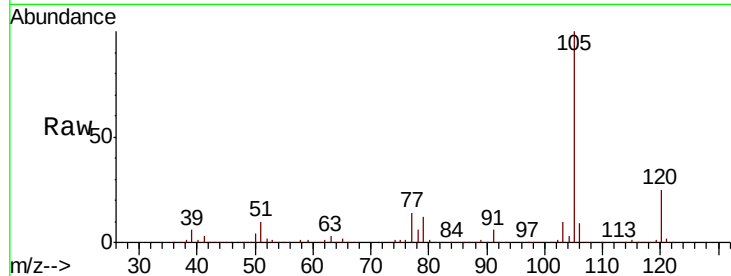
120 25.4 12.6 37.6

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:23 PM



#74

N-ethyl acetate

Concen: 92.698 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Tgt Ion: 43 Resp: 2130869

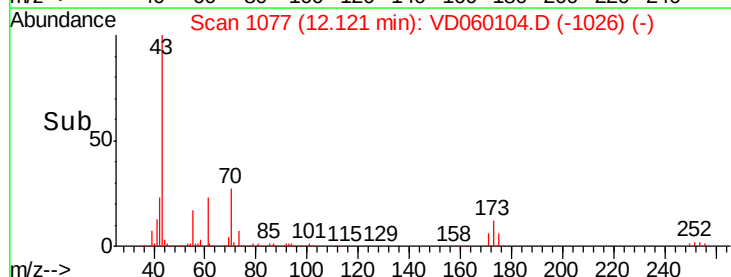
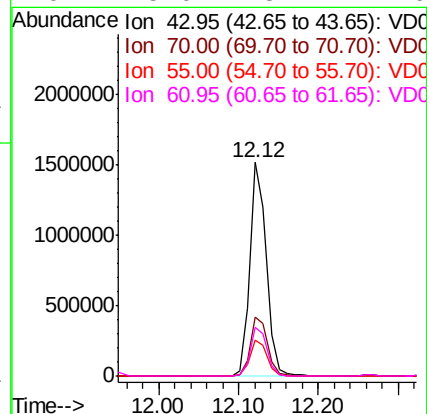
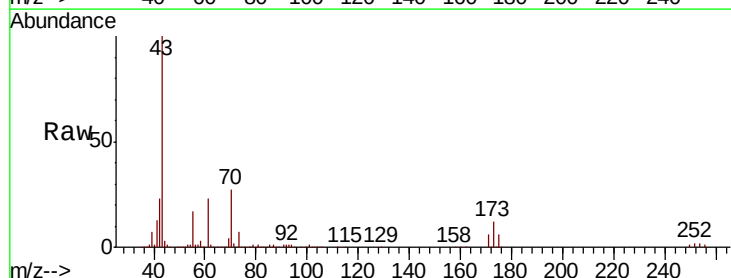
Ion Ratio Lower Upper

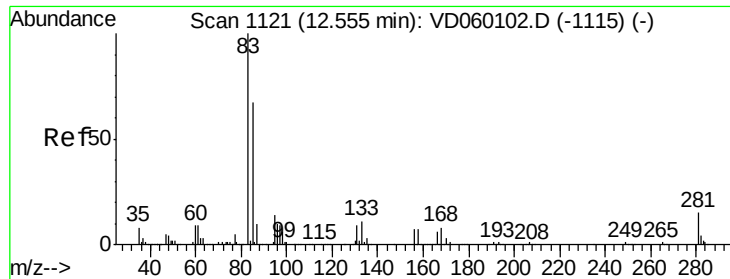
43 100

70 27.5 22.1 33.1

55 17.0 14.1 21.1

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 95.827 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1268572

Ion Ratio Lower Upper

83 100

131 9.2 4.5 13.4

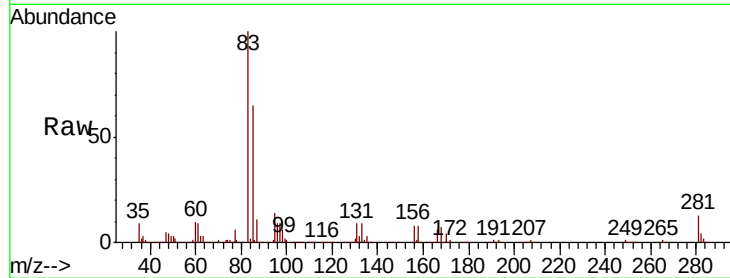
85 65.5 33.3 99.9

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:23 PM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

1200000

1000000

800000

600000

400000

200000

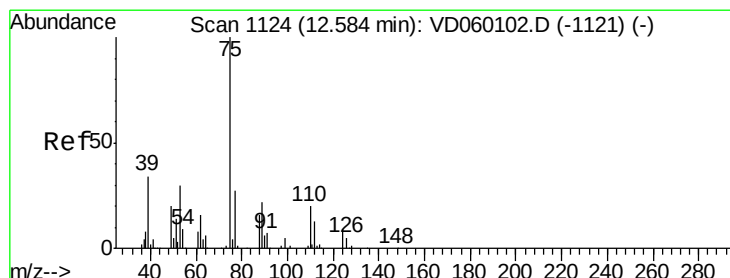
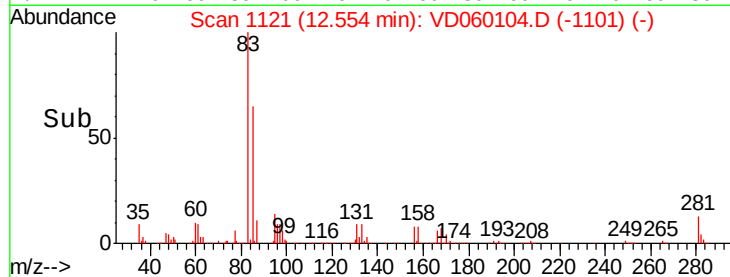
0

12.55

12.60

12.70

Time-->



#76

1,2,3-Trichloropropane

Concen: 93.757 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD060104.D

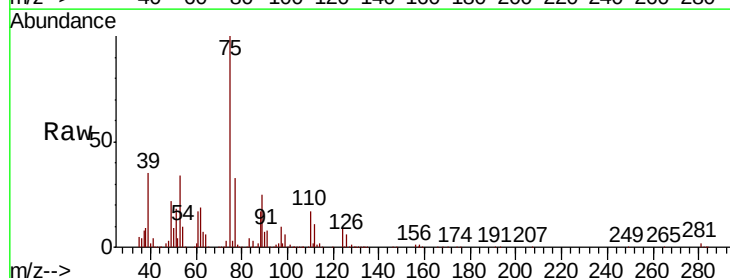
Acq: 1 Oct 2018 18:46

Tgt Ion: 75 Resp: 1266545

Ion Ratio Lower Upper

75 100

77 33.0 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

1500000

1000000

500000

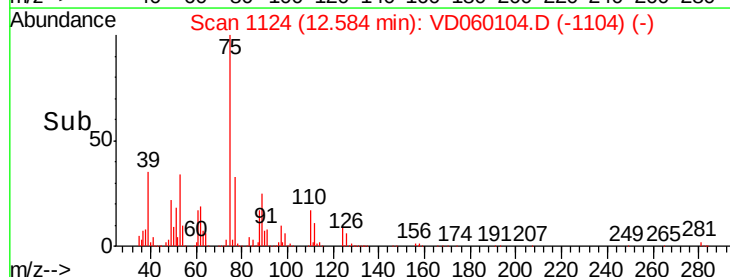
0

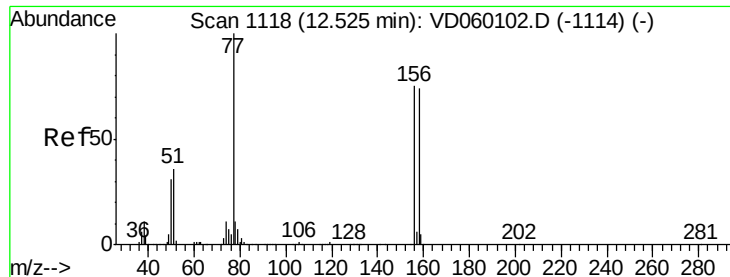
12.55

12.60

12.65

Time-->





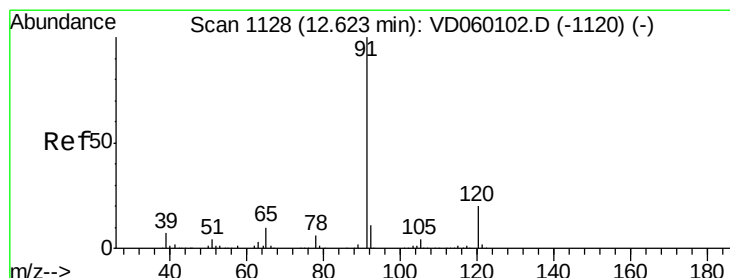
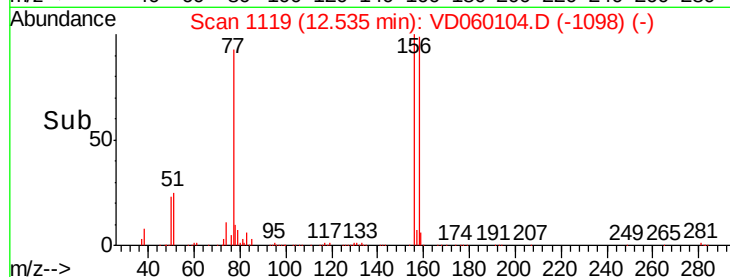
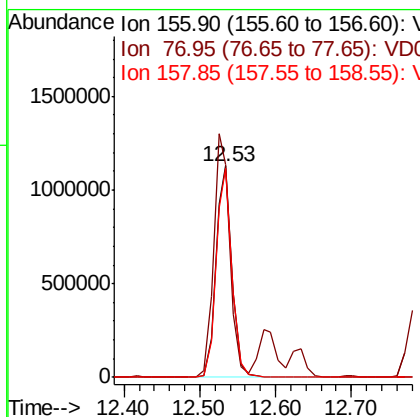
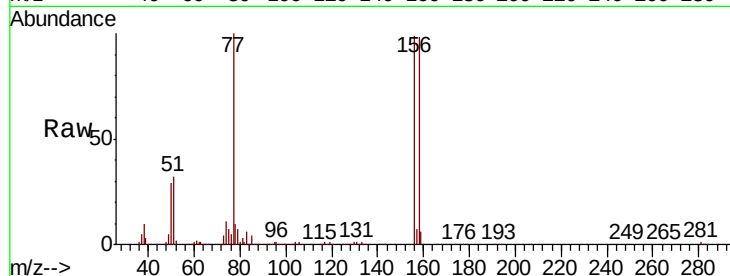
#77
Bromobenzene
Concen: 98.869 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	100.7	66.9	200.7
158	99.0	49.1	147.4

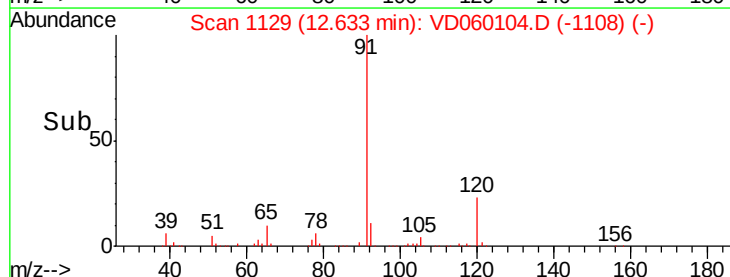
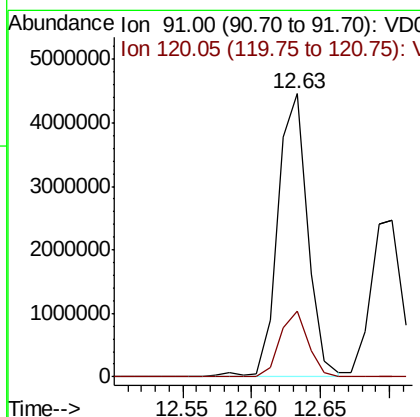
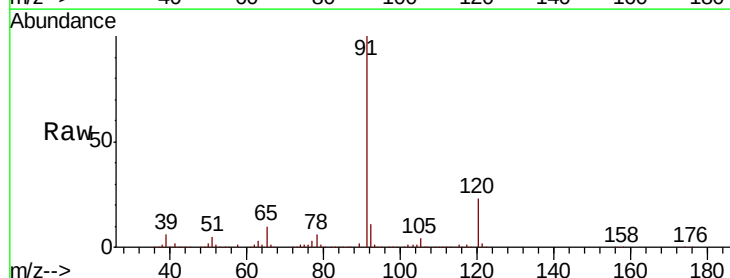
Manual Integrations
APPROVED

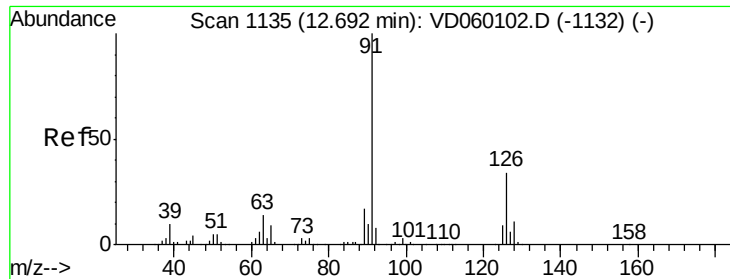
apatel
10/2/2018 12:31:23 PM



#78
n-propylbenzene
Concen: 90.431 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	10.0	30.0





#79

2-Chlorotoluene

Concen: 93.987 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3877197

Ion Ratio Lower Upper

91 100

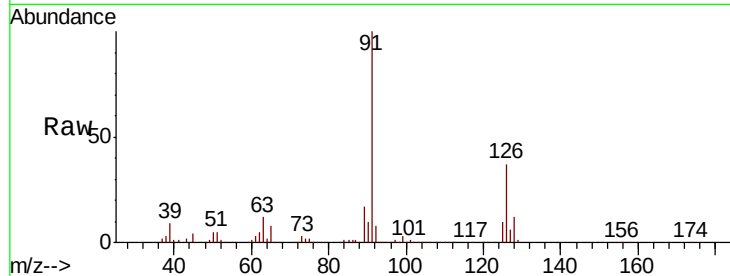
126 37.4 16.8 50.3

Manual Integrations

APPROVED

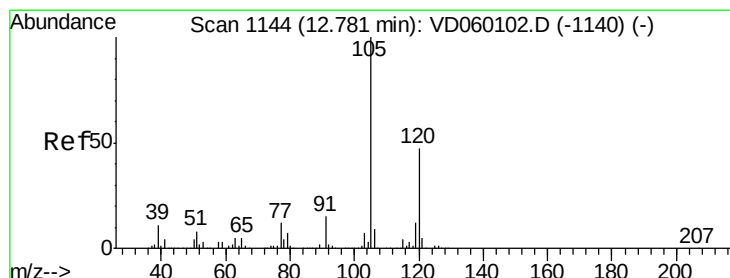
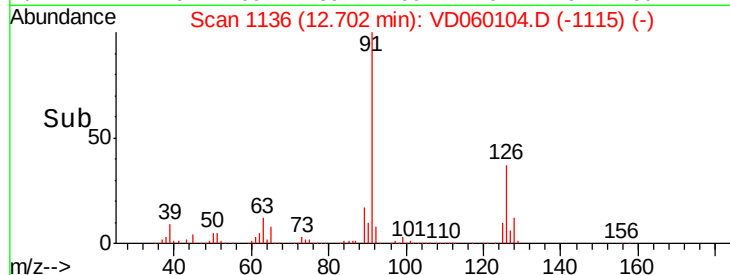
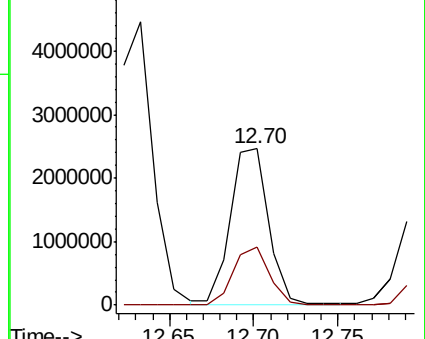
apatel

10/2/2018 12:31:23 PM



Abundance Ion 91.00 (90.70 to 91.70): VD060104.D (-1132) (-)

Ion 125.95 (125.65 to 126.65): VD060104.D (-1132) (-)



#80

1,3,5-Trimethylbenzene

Concen: 92.767 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060104.D

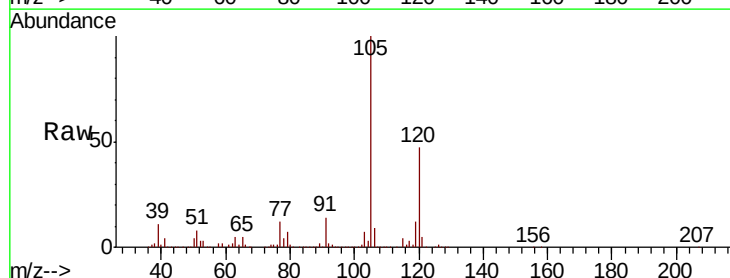
Acq: 1 Oct 2018 18:46

Tgt Ion:105 Resp: 4150668

Ion Ratio Lower Upper

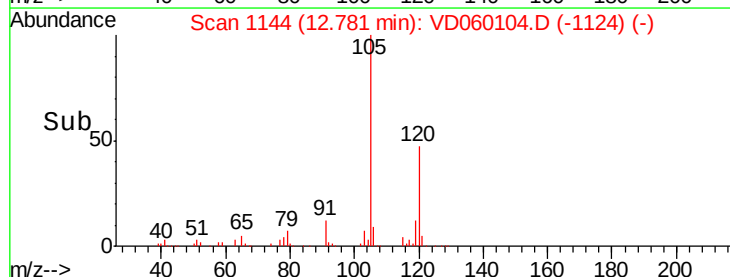
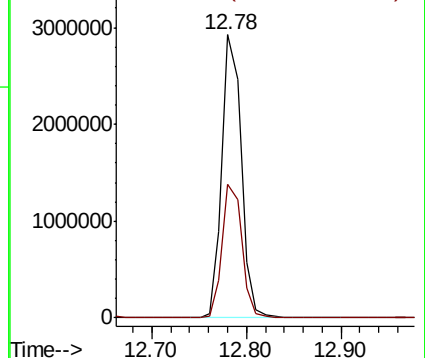
105 100

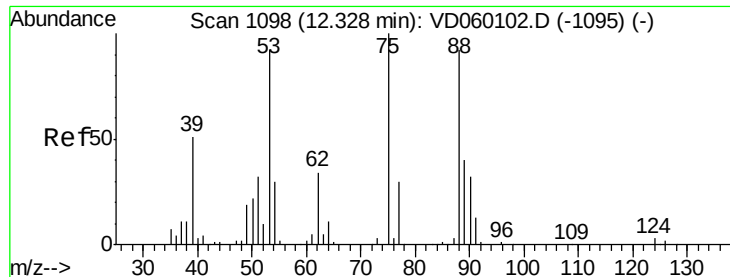
120 47.4 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): VD060104.D (-1140) (-)

Ion 120.05 (119.75 to 120.75): VD060104.D (-1140) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 97.906 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 398541

Ion Ratio Lower Upper

75 100

53 82.6 73.0 109.6

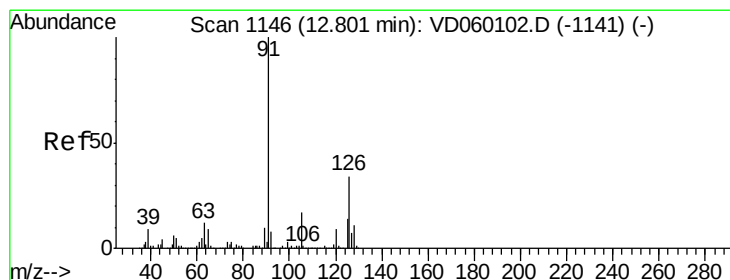
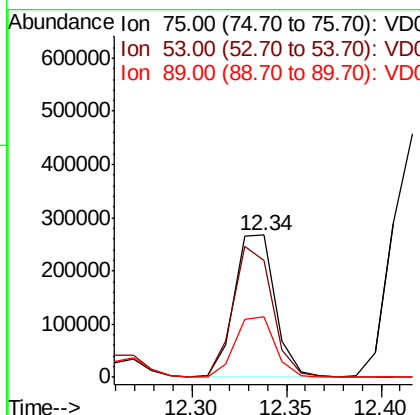
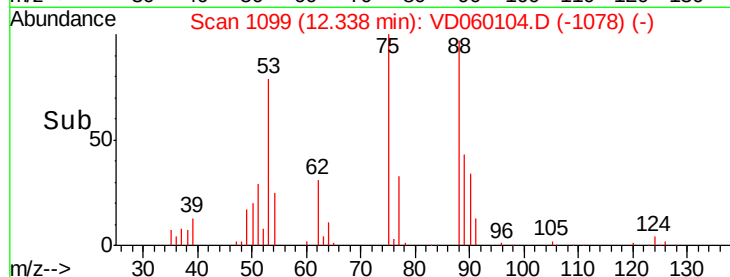
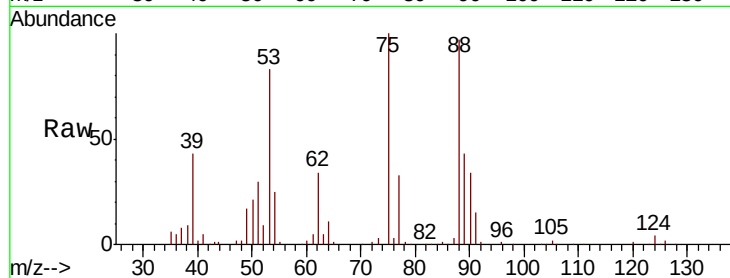
89 42.5 32.0 48.0

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:23 PM



#82

4-Chlorotoluene

Concen: 90.058 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060104.D

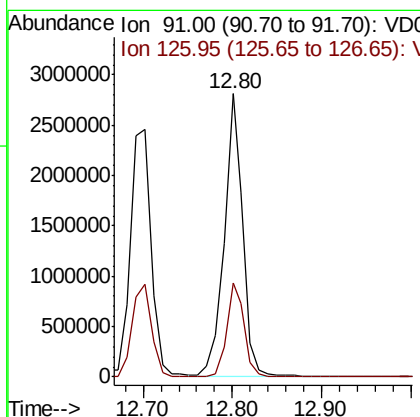
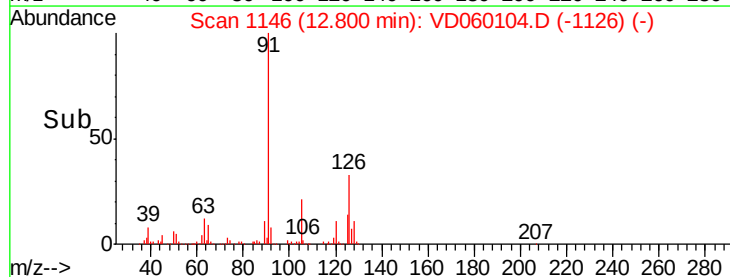
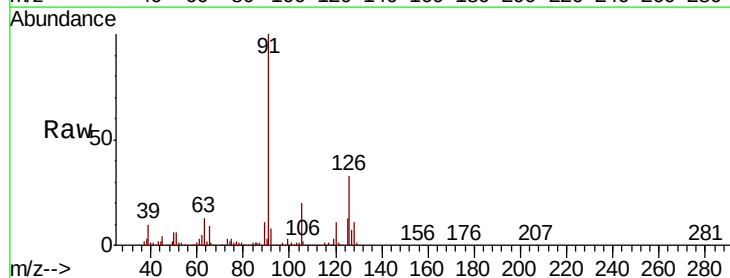
Acq: 1 Oct 2018 18:46

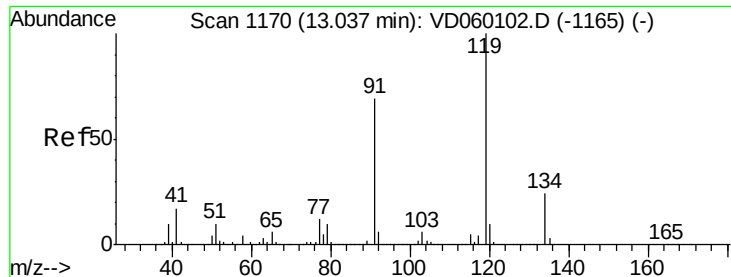
Tgt Ion: 91 Resp: 4084915

Ion Ratio Lower Upper

91 100

126 33.0 17.1 51.2





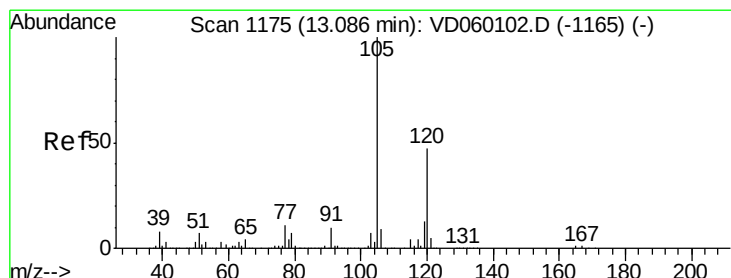
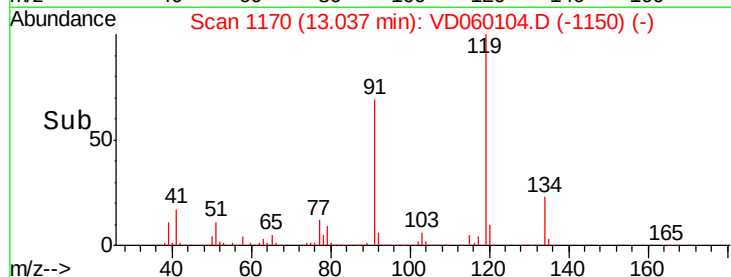
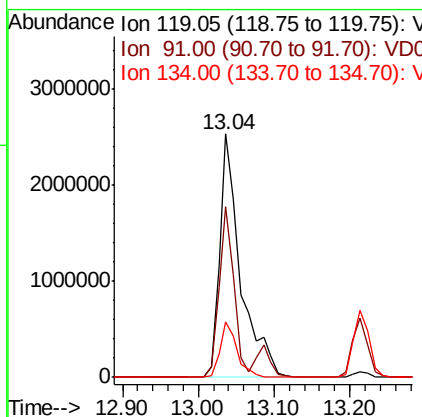
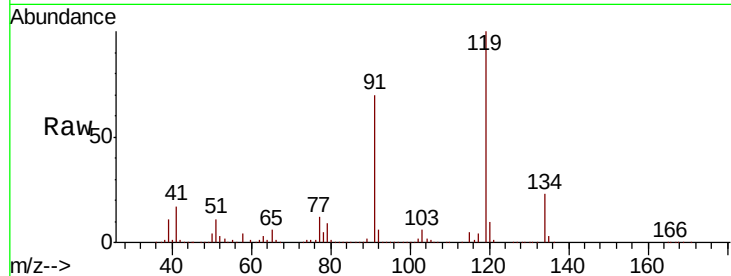
#83
 tert-Butylbenzene
 Concen: 94.454 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 4906578
 Ion Ratio Lower Upper
 119 100
 91 69.9 34.8 104.4
 134 22.9 11.8 35.4

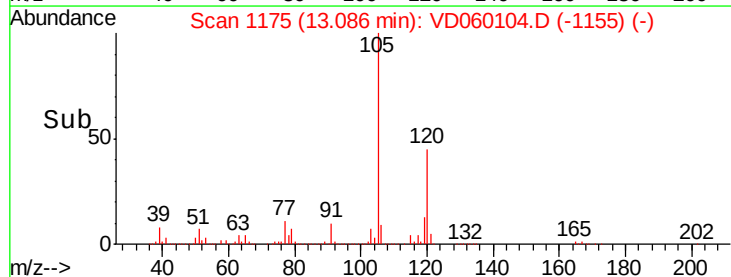
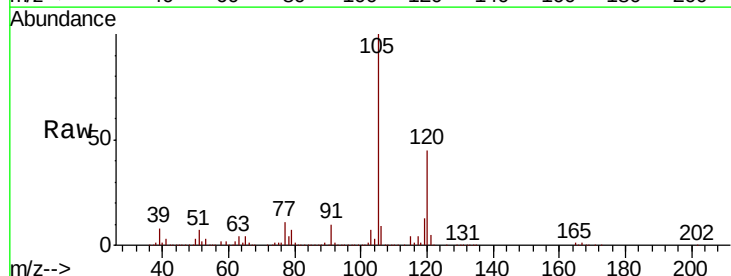
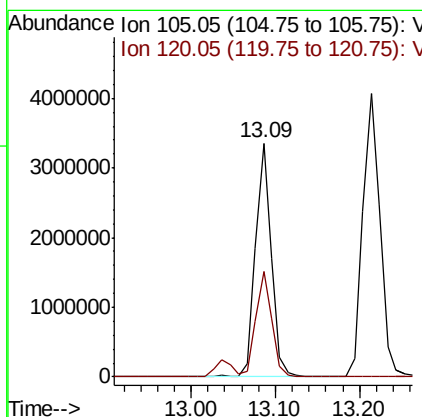
Manual Integrations
 APPROVED

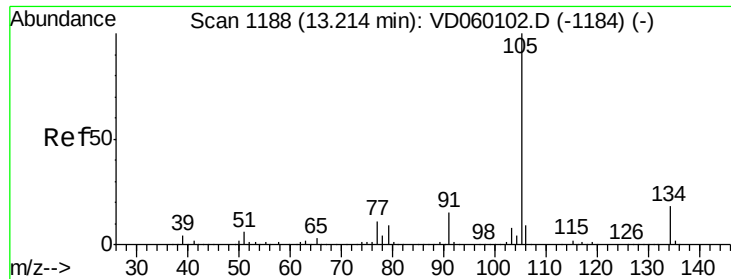
apatel
 10/2/2018 12:31:23 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 92.993 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion:105 Resp: 4453846
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.4 70.0





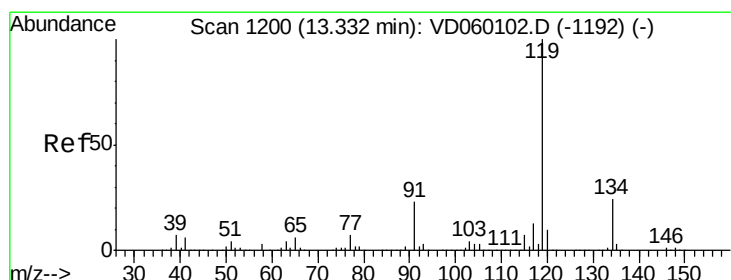
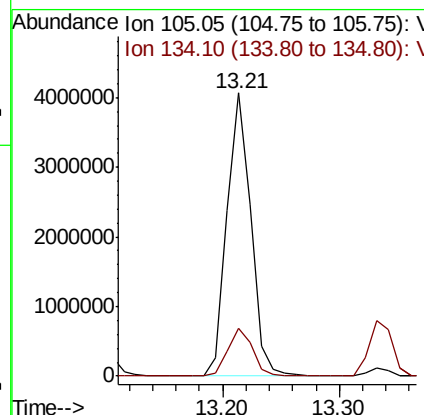
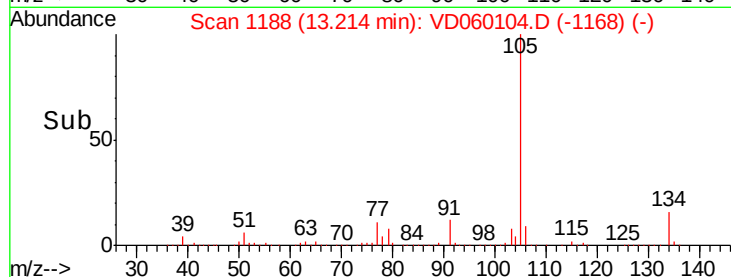
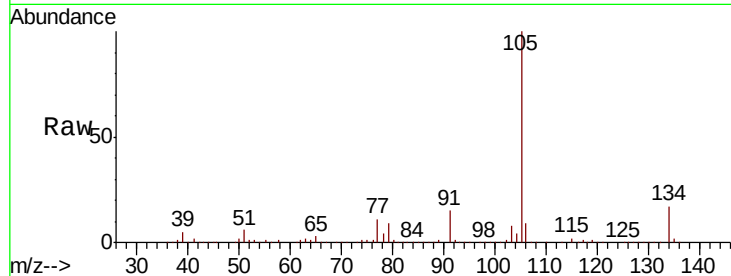
#85
 sec-Butylbenzene
 Concen: 93.842 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 5752454
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.8 26.2

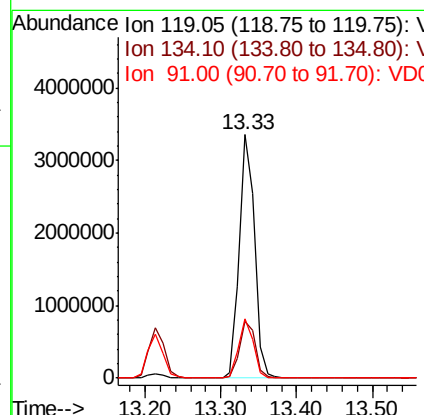
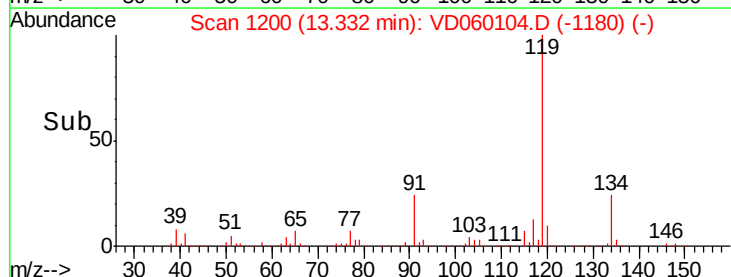
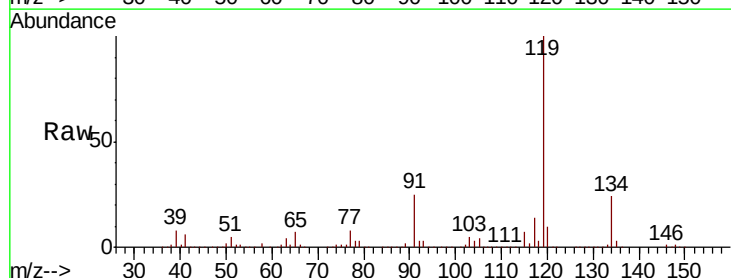
Manual Integrations
 APPROVED

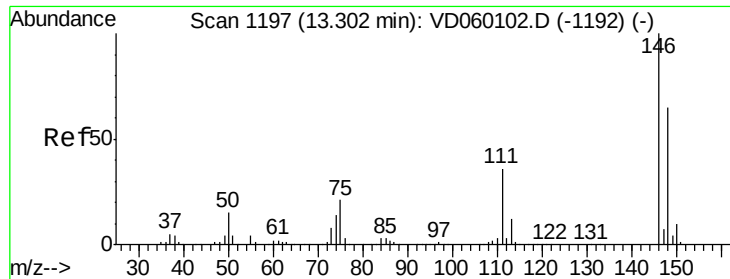
apatel
 10/2/2018 12:31:23 PM



#86
 p-Isopropyltoluene
 Concen: 92.460 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion:119 Resp: 4587101
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.3 36.8
 91 24.6 11.8 35.4





#87
 1,3-Dichlorobenzene
 Concen: 93.844 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

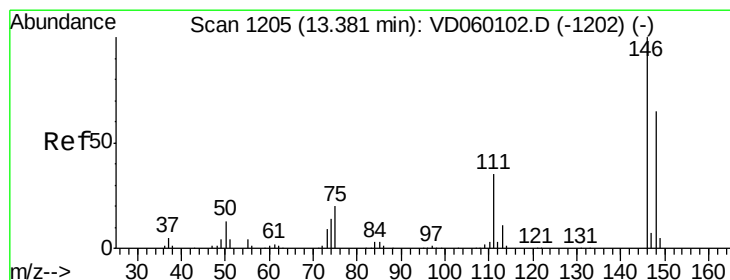
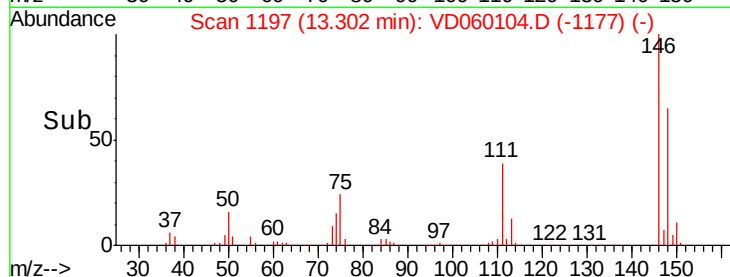
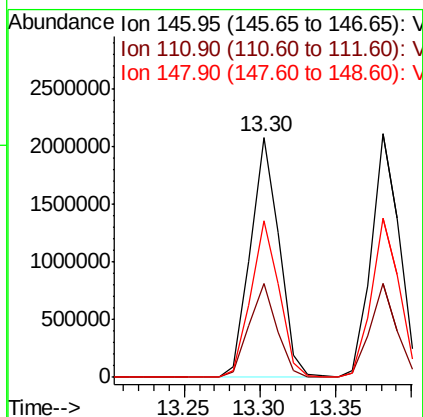
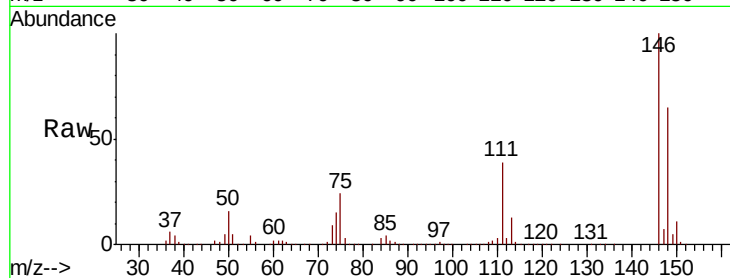
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 2756212

Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.1	54.3
148	65.4	32.3	96.9

Manual Integrations
 APPROVED

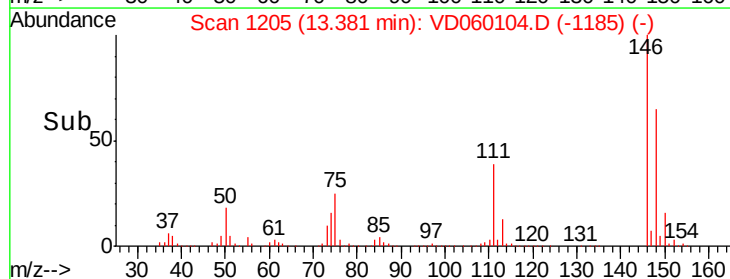
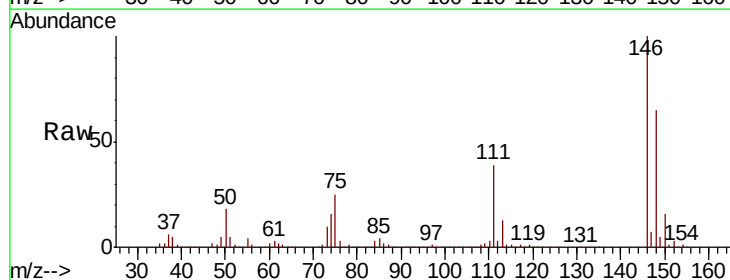
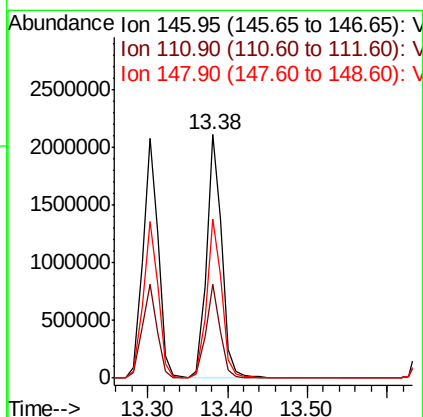
apatel
 10/2/2018 12:31:23 PM

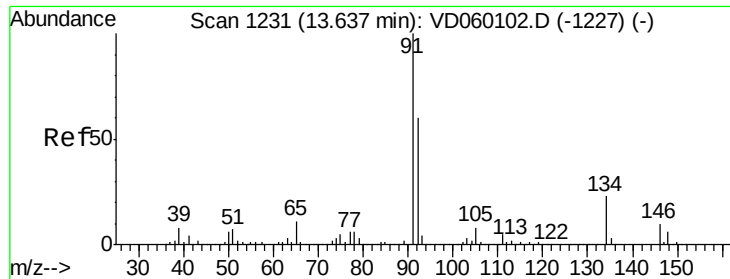


#88
 1,4-Dichlorobenzene
 Concen: 93.436 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion:146 Resp: 2781316

Ion	Ratio	Lower	Upper
146	100		
111	38.8	17.8	53.3
148	65.5	32.4	97.2





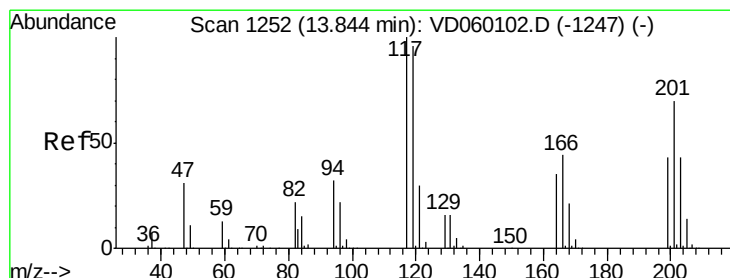
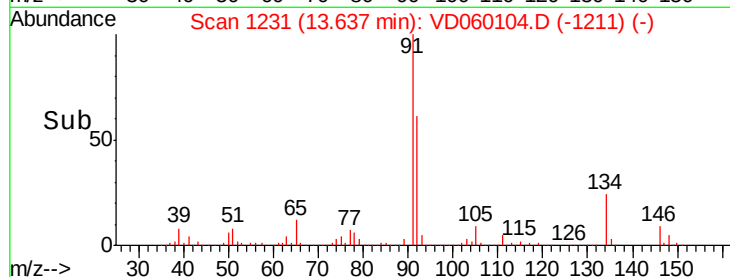
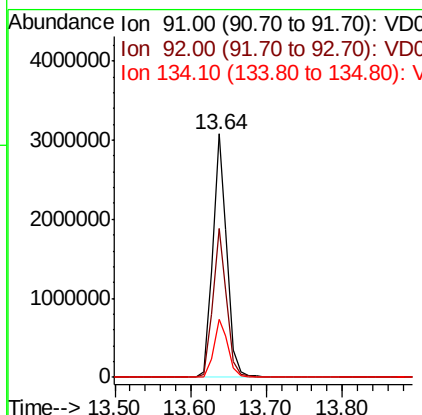
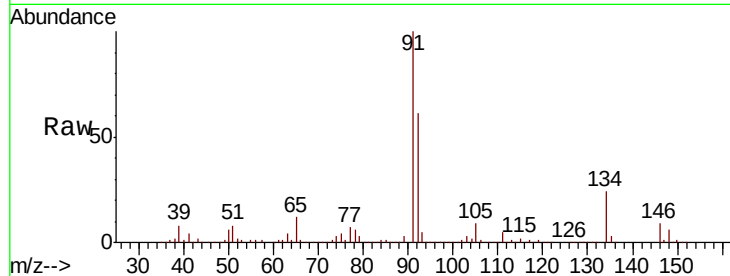
#89
n-Butylbenzene
Concen: 83.530 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 4036832
Ion Ratio Lower Upper
91 100
92 60.9 30.1 90.3
134 23.7 11.6 34.7

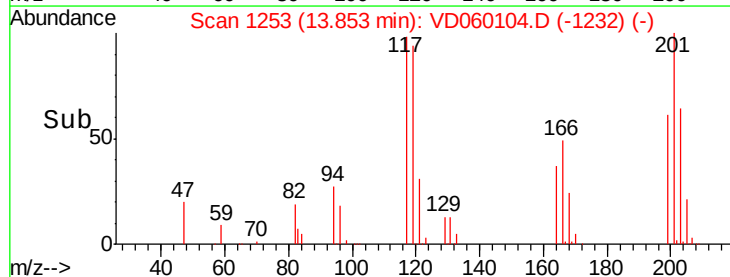
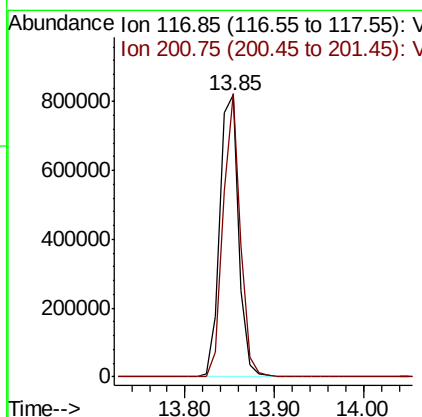
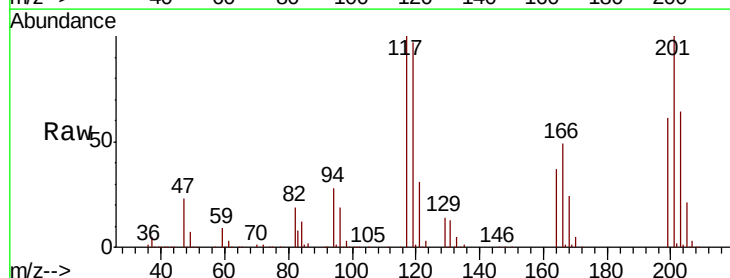
Manual Integrations
APPROVED

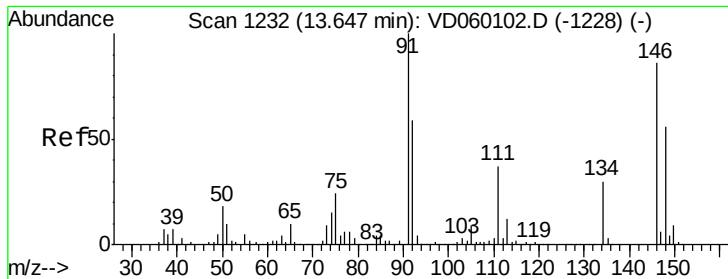
apatel
10/2/2018 12:31:23 PM



#90
Hexachloroethane
Concen: 100.545 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 117 Resp: 1233510
Ion Ratio Lower Upper
117 100
201 100.5 34.8 104.5





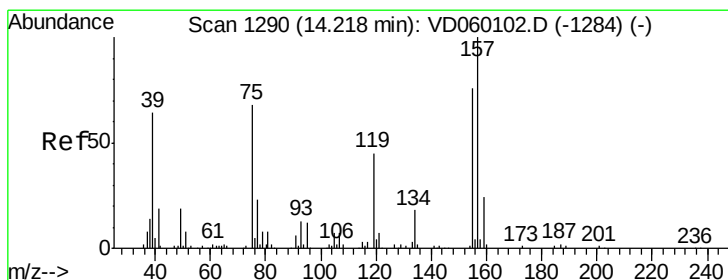
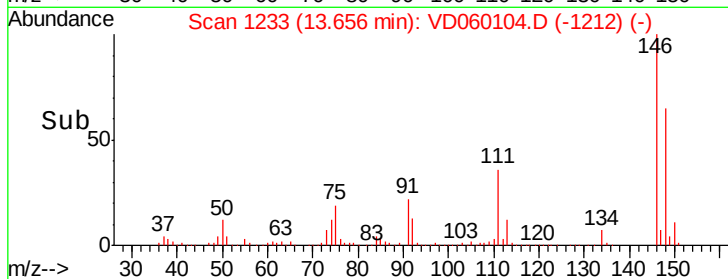
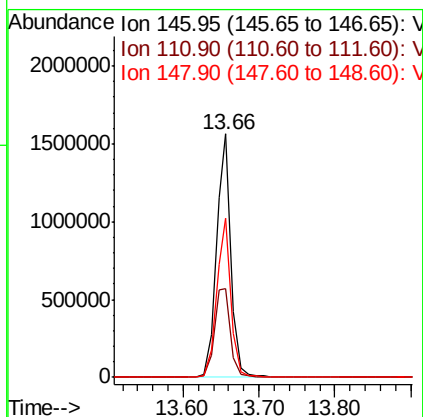
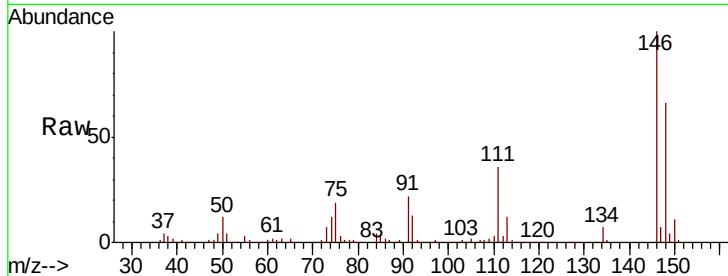
#91
 1,2-Dichlorobenzene
 Concen: 85.778 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 2079270
 Ion Ratio Lower Upper
 146 100
 111 36.3 21.4 64.3
 148 65.5 32.2 96.6

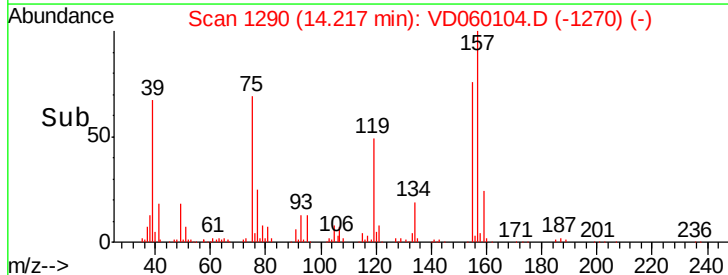
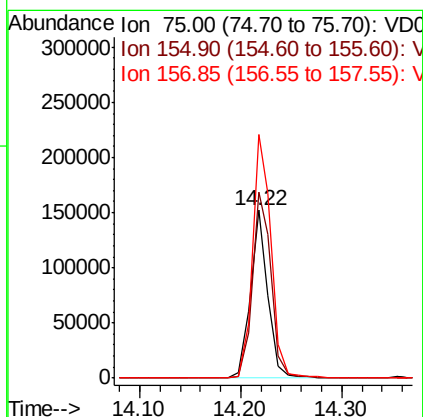
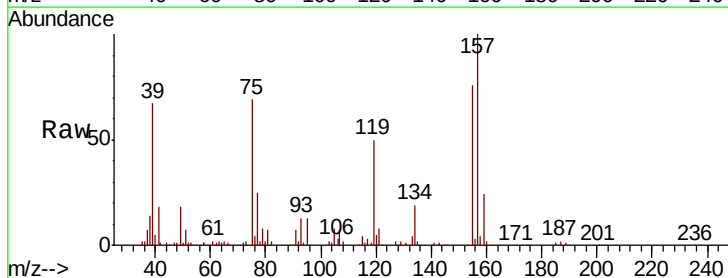
Manual Integrations
 APPROVED

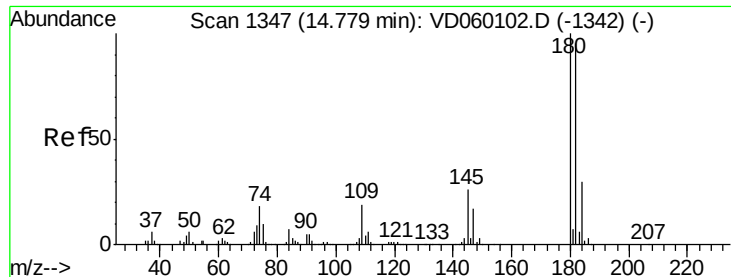
apatel
 10/2/2018 12:31:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 91.070 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion: 75 Resp: 184157
 Ion Ratio Lower Upper
 75 100
 155 110.6 55.9 167.7
 157 145.0 73.3 219.8





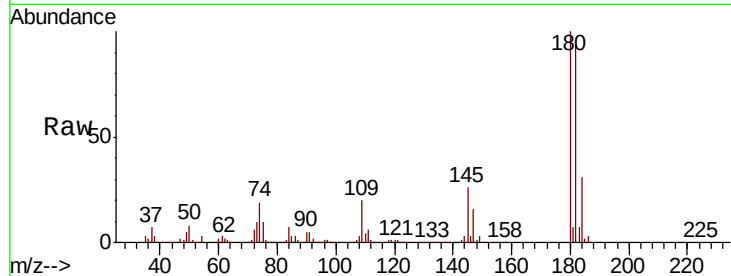
#93
 1,2,4-Trichlorobenzene
 Concen: 96.890 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.8
145	25.6	13.0	38.9

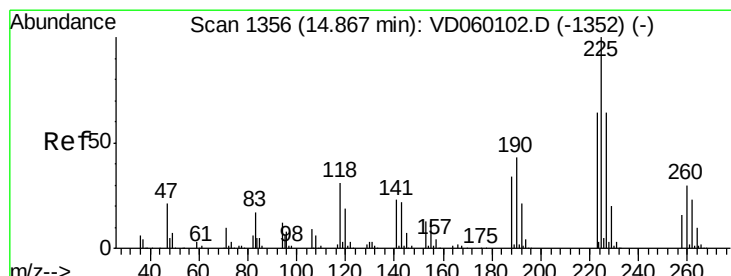
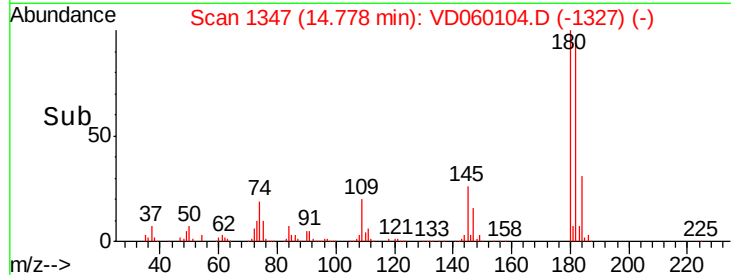
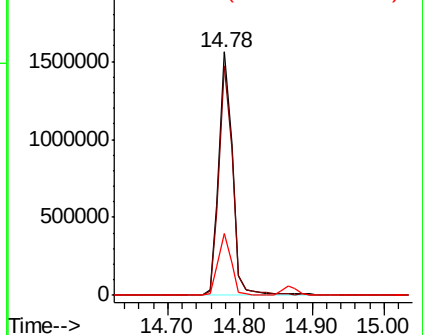
Manual Integrations
 APPROVED

apatel
 10/2/2018 12:31:23 PM



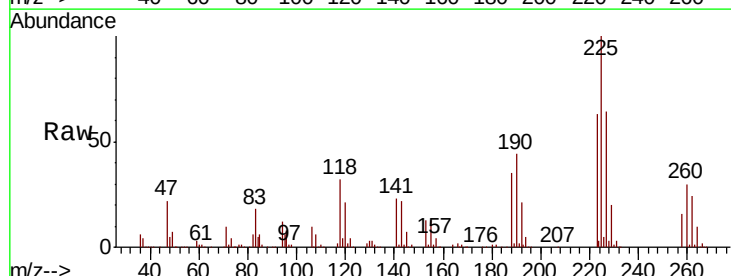
Abundance

Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



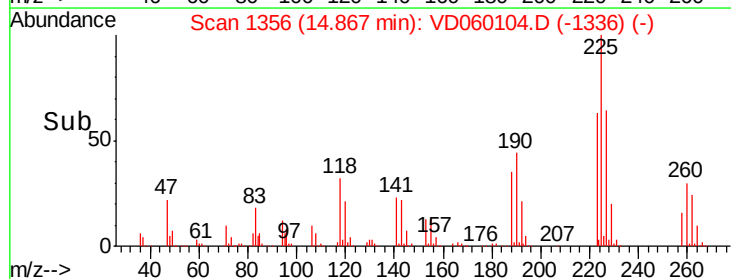
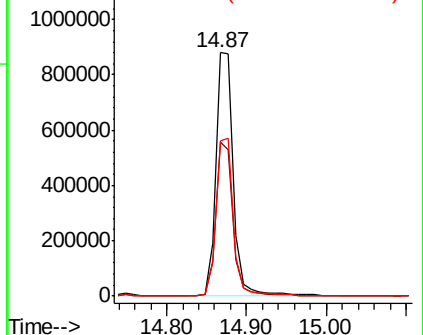
#94
 Hexachlorobutadiene
 Concen: 98.598 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

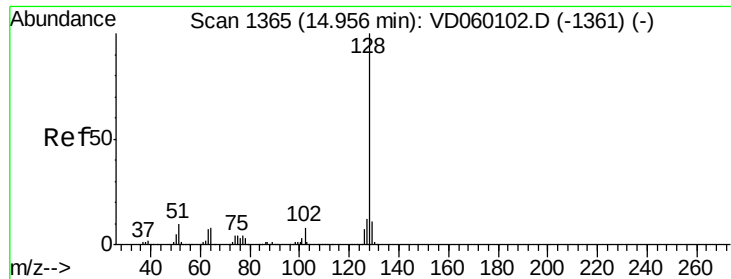
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.8	95.4
227	63.7	32.0	96.0



Abundance

Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





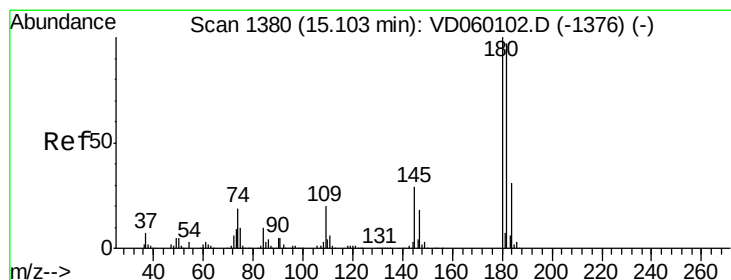
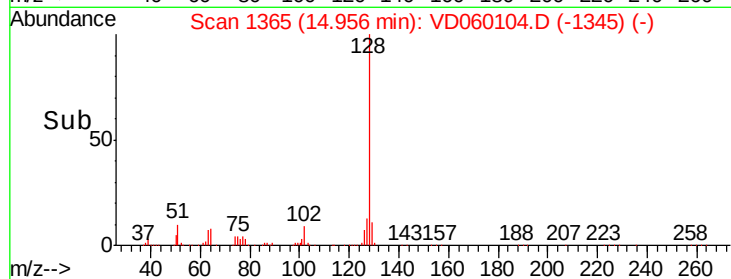
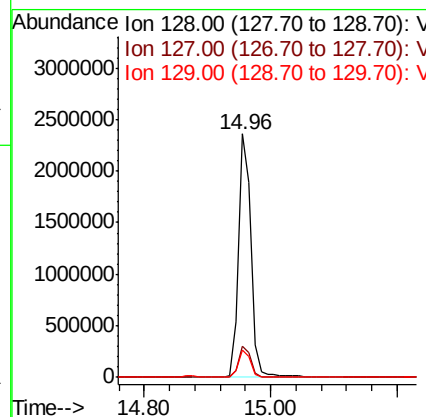
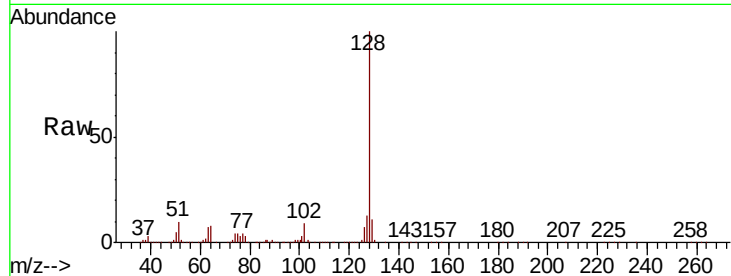
#95
Naphthalene
Concen: 97.684 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 3153063
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 11.3 8.8 13.2

Manual Integrations
APPROVED

apatel
10/2/2018 12:31:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 99.490 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion:180 Resp: 1823898
Ion Ratio Lower Upper
180 100
182 92.7 48.4 145.0
145 27.2 14.5 43.6

