

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100418\
 Data File : VD060127.D
 Acq On : 4 Oct 2018 12:35
 Operator : VA/AP
 Sample : VD1004SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:20:18 PM

Quant Time: Oct 04 15:44:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1597144	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2167356	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1797359	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	941980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	650904	53.76	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.52%	
35) Dibromofluoromethane	6.32	113	886193	53.84	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.68%	
50) Toluene-d8	9.45	98	2436454	51.91	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.43	95	941991	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	294315	19.590	ug/l	98
3) Chloromethane	1.75	50	306016	22.589	ug/l	96
4) Vinyl Chloride	1.85	62	239175	21.573	ug/l	99
5) Bromomethane	2.13	94	22257	15.988	ug/l	97
6) Chloroethane	2.24	64	55419	18.318	ug/l	97
7) Trichlorofluoromethane	2.50	101	276275	20.812	ug/l	99
8) Diethyl Ether	2.81	74	59045	21.630	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.08	101	184432	22.301	ug/l	95
10) Methyl Iodide	3.24	142	167501	19.099	ug/l	99
11) Tert butyl alcohol	3.96	59	78053	89.895	ug/l	98
12) 1,1-Dichloroethene	3.06	96	144739	22.216	ug/l	96
13) Acrolein	2.98	56	51007	95.297	ug/l	96
14) Allyl chloride	3.52	41	296645	21.923	ug/l	98
15) Acrylonitrile	4.08	53	372254	103.580	ug/l	99
16) Acetone	3.15	43	256875	116.932	ug/l	97
17) Carbon Disulfide	3.30	76	489837	22.358	ug/l	97
18) Methyl Acetate	3.55	43	101920	21.586	ug/l	96
19) Methyl tert-butyl Ether	4.11	73	600949	20.979	ug/l	98
20) Methylene Chloride	3.71	84	386999	19.782	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	348397	20.705	ug/l	98
22) Diisopropyl ether	4.85	45	1291899	21.378	ug/l	96
23) Vinyl Acetate	4.80	43	3649348	107.434	ug/l	100
24) 1,1-Dichloroethane	4.75	63	560693	20.463	ug/l	100
25) 2-Butanone	5.62	43	592448	107.951	ug/l	96
26) 2,2-Dichloropropane	5.58	77	452360	21.778	ug/l	97
27) cis-1,2-Dichloroethene	5.59	96	368045	20.644	ug/l	96
28) Bromochloromethane	5.92	49	273794	20.563	ug/l	92
29) Tetrahydrofuran	5.95	42	315303	98.910	ug/l	99
30) Chloroform	6.10	83	593808	21.425	ug/l	97
31) Cyclohexane	6.36	56	541446	20.643	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	476919	21.003	ug/l	99
36) 1,1-Dichloropropene	6.52	75	438945	21.194	ug/l	99
37) Ethyl Acetate	5.70	43	294176	21.399	ug/l	99
38) Carbon Tetrachloride	6.49	117	401990	21.385	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100418\
 Data File : VD060127.D
 Acq On : 4 Oct 2018 12:35
 Operator : VA/AP
 Sample : VD1004SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1004SBS01

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:20:18 PM

Quant Time: Oct 04 15:44:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	517289	21.982	ug/l	98
40) Benzene	6.79	78	1159057	21.391	ug/l	98
41) Methacrylonitrile	5.91	41	121432m	15.628	ug/l	
42) 1,2-Dichloroethane	6.89	62	323169	20.804	ug/l	97
43) Isopropyl Acetate	8.35	43	362980	20.070	ug/l #	99
44) Trichloroethene	7.74	130	344735	20.553	ug/l	97
45) 1,2-Dichloropropane	8.11	63	306506	21.604	ug/l	98
46) Dibromomethane	8.21	93	190045	20.690	ug/l	95
47) Bromodichloromethane	8.49	83	423157	21.621	ug/l	98
48) Methyl methacrylate	8.24	41	216591	21.024	ug/l	97
49) 1,4-Dioxane	8.23	88	37504	369.995	ug/l #	75
51) 4-Methyl-2-Pentanone	9.35	43	1179259	103.377	ug/l	98
52) Toluene	9.55	92	731243	20.955	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	379091	21.407	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	469863	21.486	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	237875	20.852	ug/l	97
56) Ethyl methacrylate	10.04	69	258282	20.510	ug/l	97
57) 1,3-Dichloropropane	10.38	76	361189	20.760	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	757047	108.260	ug/l	97
59) 2-Hexanone	10.49	43	914584	111.497	ug/l	98
60) Dibromochloromethane	10.65	129	292160	20.873	ug/l	97
61) 1,2-Dibromoethane	10.76	107	250945	20.703	ug/l	96
64) Tetrachloroethene	10.25	164	319073	20.269	ug/l	99
65) Chlorobenzene	11.31	112	801525	20.614	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	272986	21.045	ug/l	99
67) Ethyl Benzene	11.43	91	1391780	22.092	ug/l	100
68) m/p-Xylenes	11.57	106	1002522	42.591	ug/l	98
69) o-Xylene	11.93	106	488923	20.999	ug/l	91
70) Styrene	11.95	104	816306	20.965	ug/l	97
71) Bromoform	12.12	173	207406	19.746	ug/l #	98
73) Isopropylbenzene	12.28	105	1337361	21.520	ug/l	100
74) N-amyl acetate	12.13	43	460563	20.233	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	279773	20.622	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	273580	20.167	ug/l	99
77) Bromobenzene	12.54	156	376307	20.838	ug/l	88
78) n-propylbenzene	12.64	91	1709764	22.157	ug/l	97
79) 2-Chlorotoluene	12.70	91	929458	21.703	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1042359	21.672	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	75849	19.899	ug/l	94
82) 4-Chlorotoluene	12.81	91	1083295	22.364	ug/l	97
83) tert-Butylbenzene	13.05	119	1180574	21.390	ug/l	97
84) 1,2,4-Trimethylbenzene	13.10	105	1085778	21.420	ug/l	98
85) sec-Butylbenzene	13.22	105	1367828	20.960	ug/l	100
86) p-Isopropyltoluene	13.34	119	1177167	21.993	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	660655	20.998	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	656053	20.759	ug/l	98
89) n-Butylbenzene	13.65	91	1182210	22.636	ug/l	99
90) Hexachloroethane	13.86	117	265545	21.436	ug/l	69
91) 1,2-Dichlorobenzene	13.67	146	581295	21.973	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.23	75	34180	18.869	ug/l	86

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100418\
Data File : VD060127.D
Acq On : 4 Oct 2018 12:35
Operator : VA/AP
Sample : VD1004SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

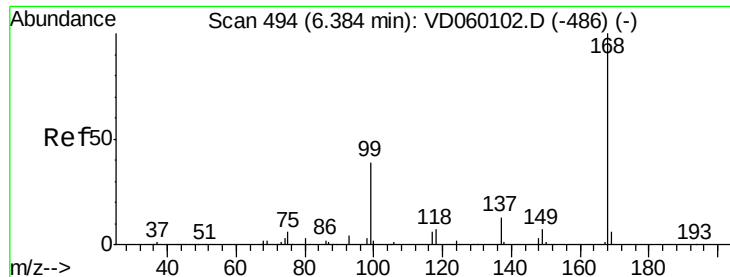
Manual Integrations
APPROVED

apatel
10/5/2018 12:20:18 PM

Quant Time: Oct 04 15:44:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	456161	20.315	ug/l	100
94) Hexachlorobutadiene	14.88	225	302102	20.240	ug/l	98
95) Naphthalene	14.97	128	644436	19.361	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	388915	19.910	ug/l	98

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



#1

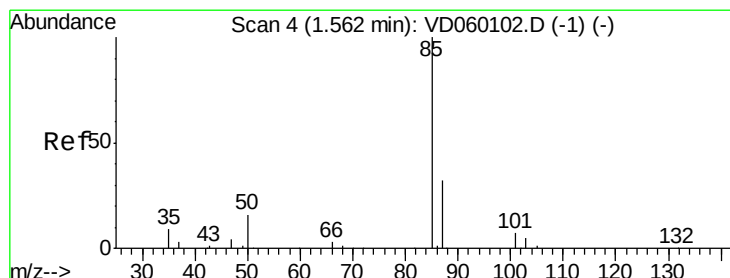
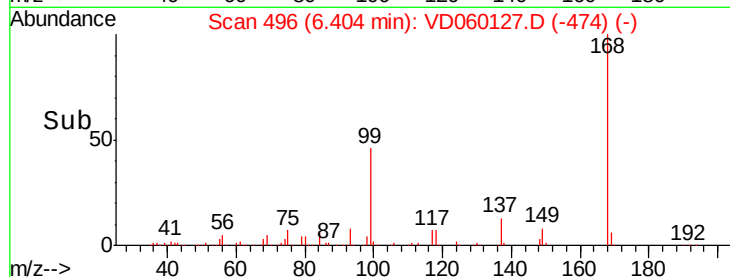
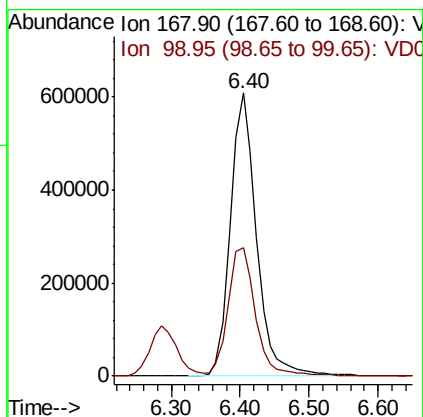
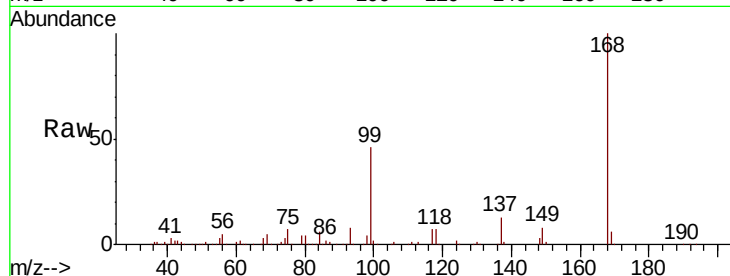
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion:168 Resp: 1597144
 Ion Ratio Lower Upper
 168 100
 99 45.6 35.4 53.0

Manual Integrations
 APPROVED

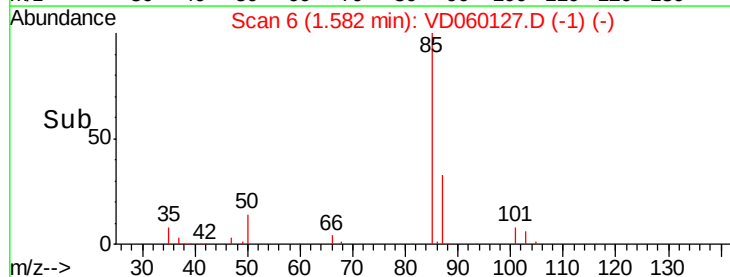
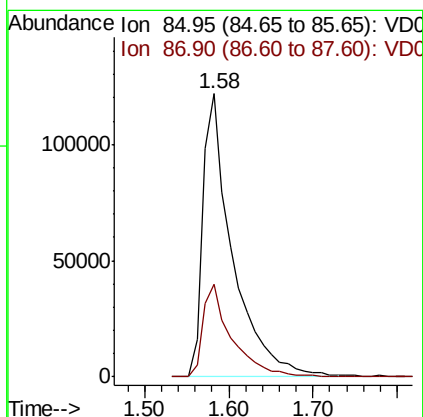
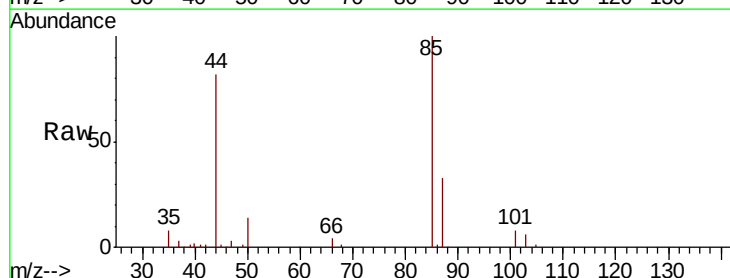
apatel
 10/5/2018 12:20:18 PM

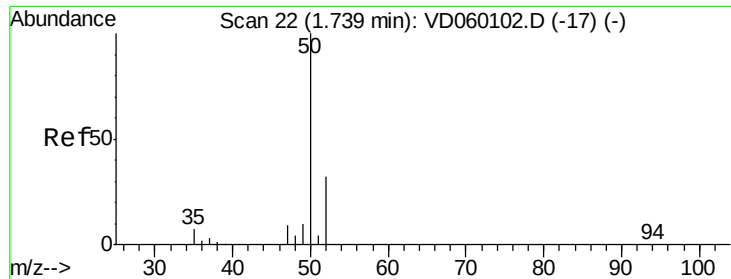


#2

Dichlorodifluoromethane
 Concen: 19.590 ug/l
 RT: 1.58 min Scan# 6
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion: 85 Resp: 294315
 Ion Ratio Lower Upper
 85 100
 87 32.5 15.9 47.6





#3

Chloromethane

Concen: 22.589 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 50 Resp: 306016

Ion Ratio Lower Upper

50 100

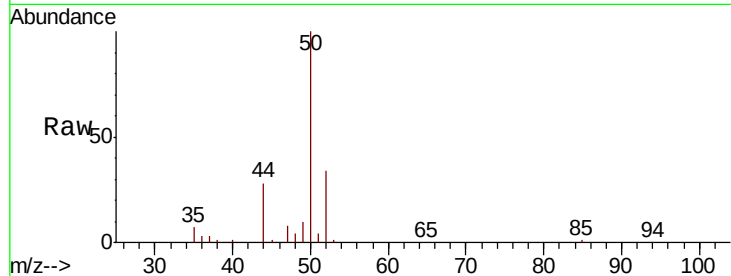
52 34.0 25.3 37.9

Manual Integrations

APPROVED

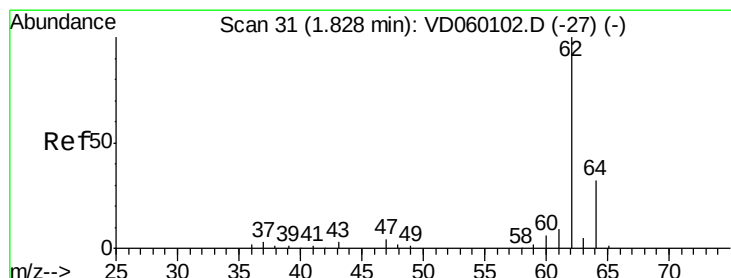
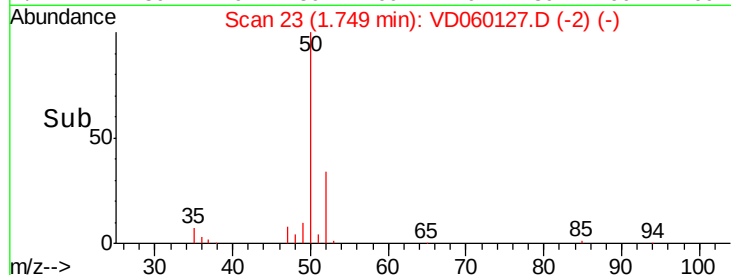
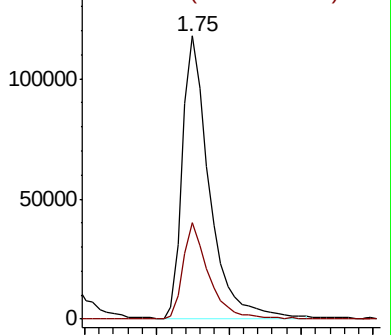
apatel

10/5/2018 12:20:18 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.573 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060127.D

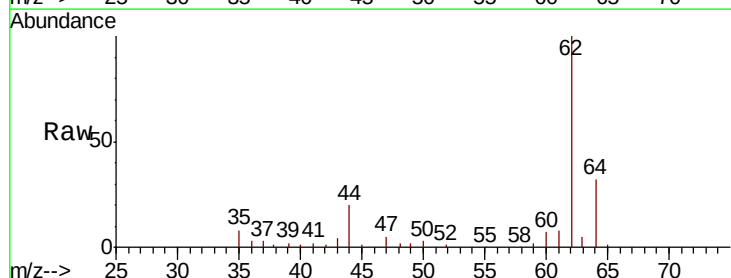
Acq: 4 Oct 2018 12:35

Tgt Ion: 62 Resp: 239175

Ion Ratio Lower Upper

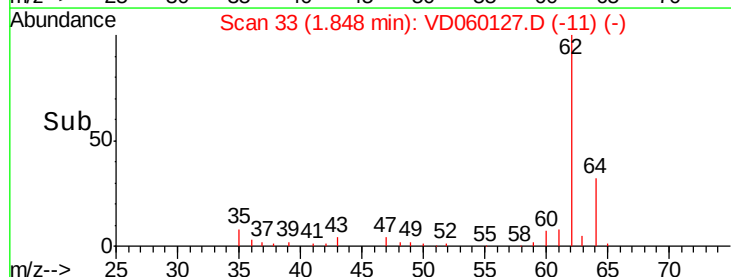
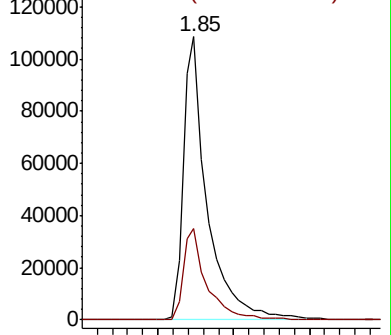
62 100

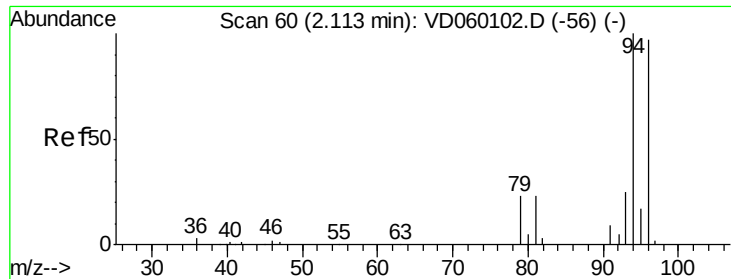
64 32.2 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





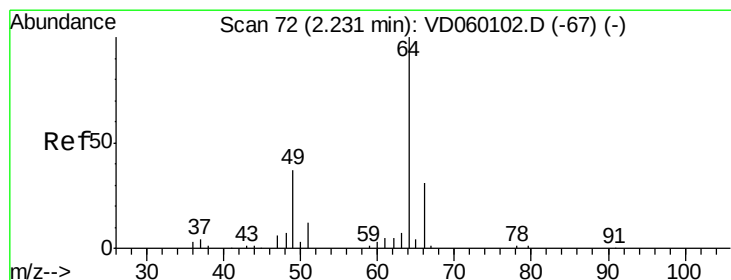
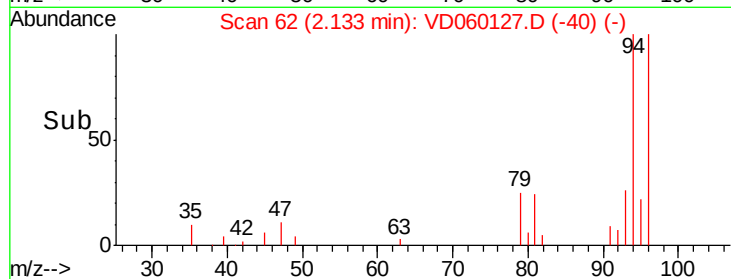
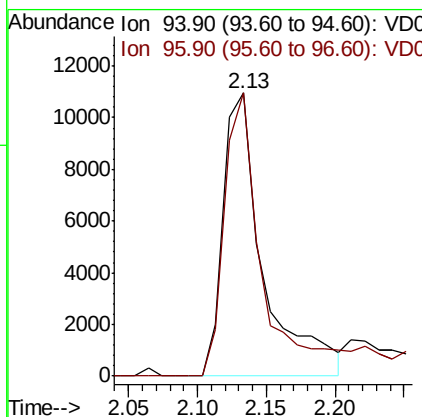
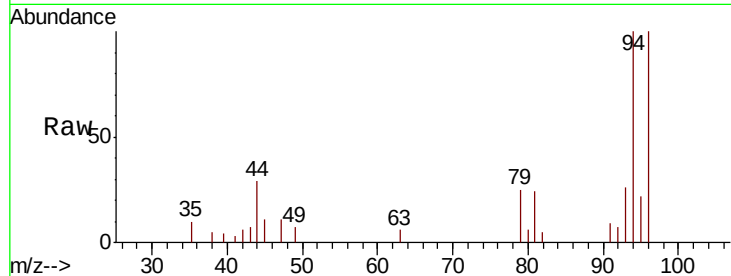
#5
Bromomethane
Concen: 15.988 ug/l
RT: 2.13 min Scan# 62
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 94 Resp: 22257
Ion Ratio Lower Upper
94 100
96 100.0 77.4 116.2

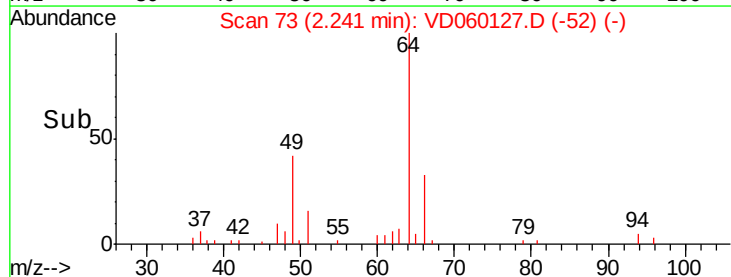
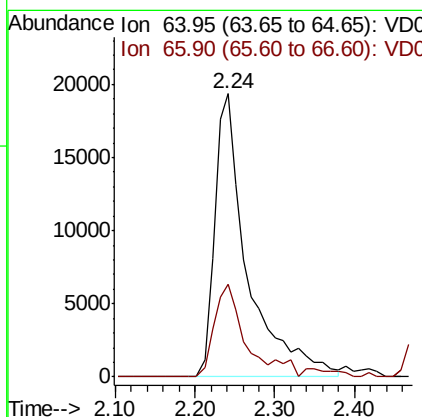
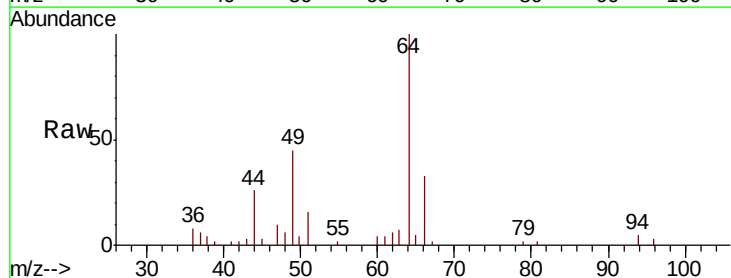
Manual Integrations
APPROVED

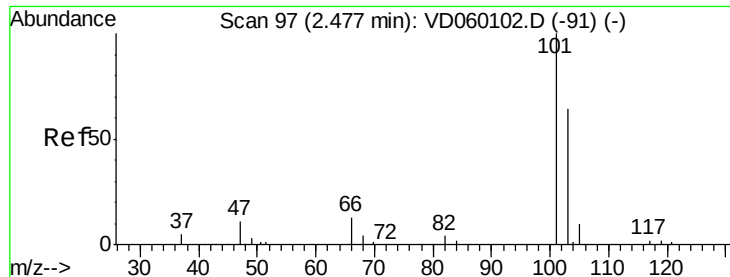
apatel
10/5/2018 12:20:18 PM



#6
Chloroethane
Concen: 18.318 ug/l
RT: 2.24 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion: 64 Resp: 55419
Ion Ratio Lower Upper
64 100
66 32.6 24.6 37.0





#7

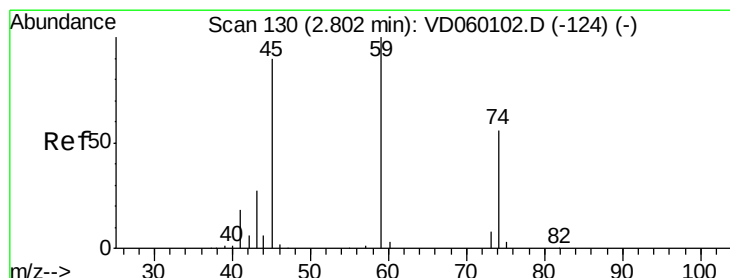
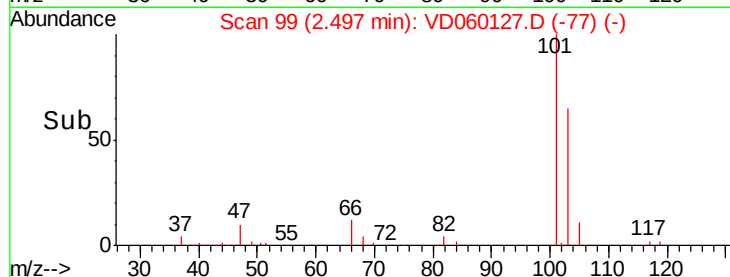
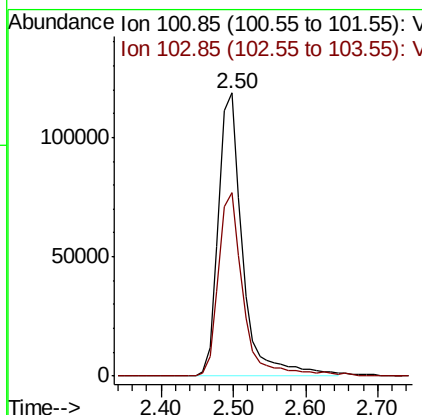
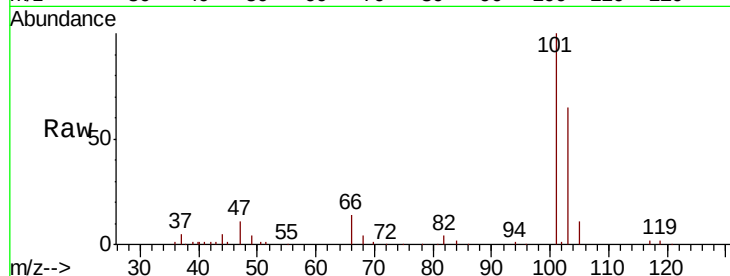
Trichlorofluoromethane
 Concen: 20.812 ug/l
 RT: 2.50 min Scan# 99
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	276275		
103	65.0		51.5	77.3

Manual Integrations
 APPROVED

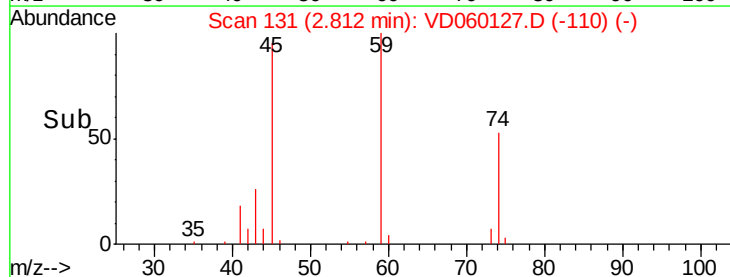
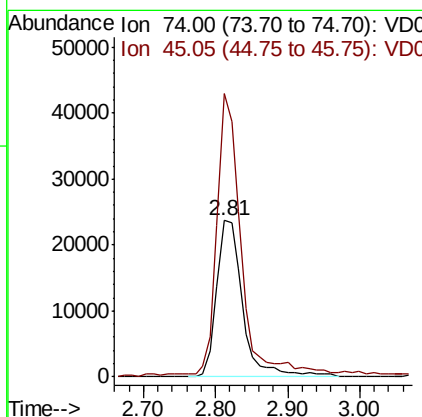
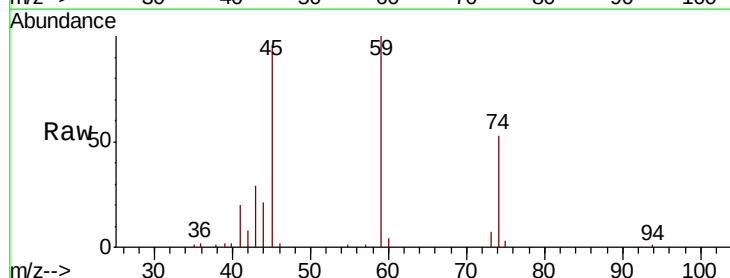
apatel
 10/5/2018 12:20:18 PM

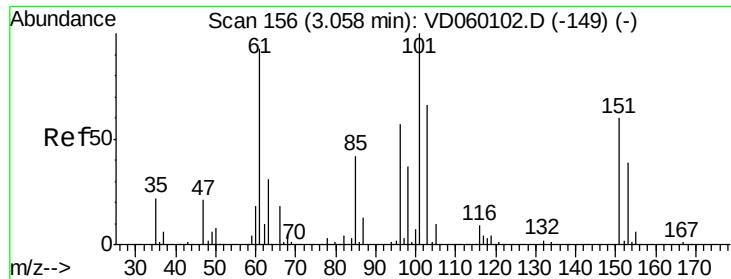


#8

Diethyl Ether
 Concen: 21.630 ug/l
 RT: 2.81 min Scan# 131
 Delta R.T. 0.01 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	59045		
45	181.2		80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.301 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.02 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion:101 Resp: 184432
Ion Ratio Lower Upper

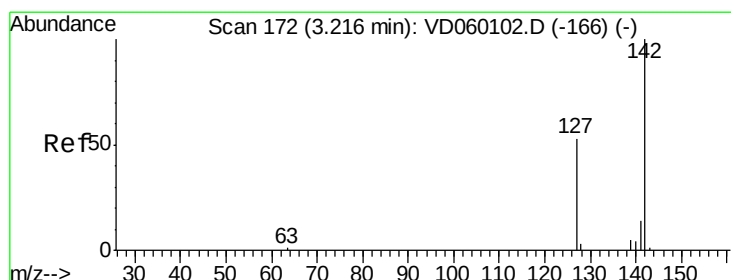
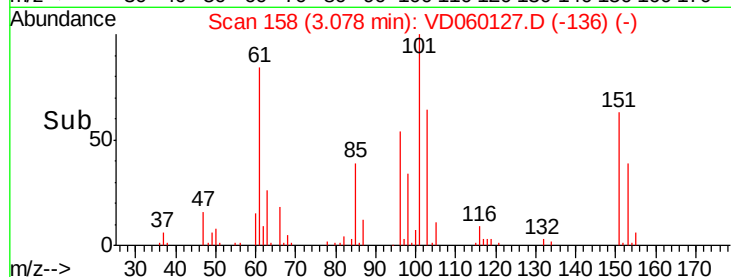
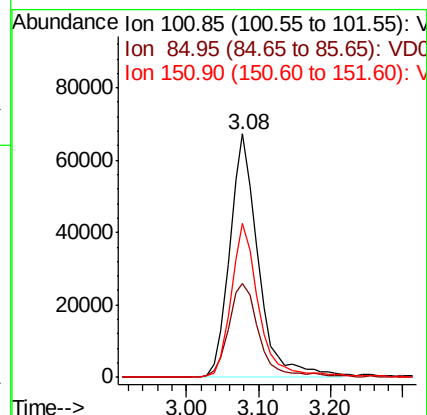
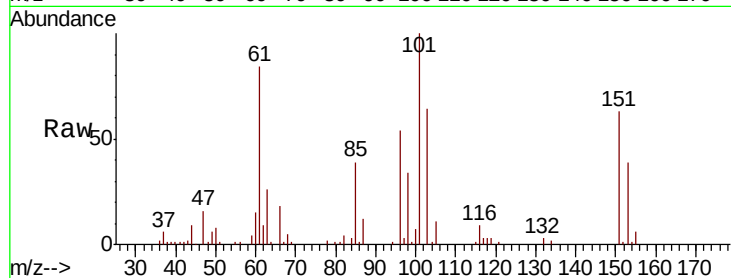
101 100

85 38.6 33.4 50.0

151 63.3 48.0 72.0

Manual Integrations
APPROVED

apatel
10/5/2018 12:20:18 PM



#10

Methyl Iodide

Concen: 19.099 ug/l

RT: 3.24 min Scan# 174

Delta R.T. 0.02 min

Lab File: VD060127.D

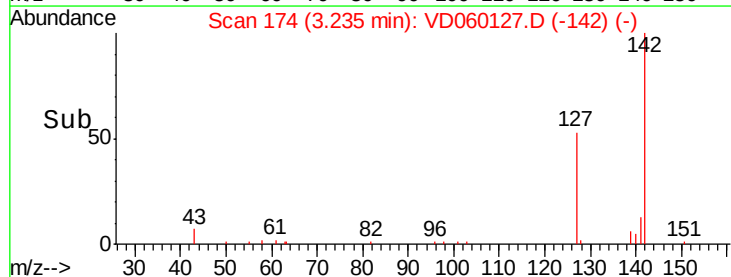
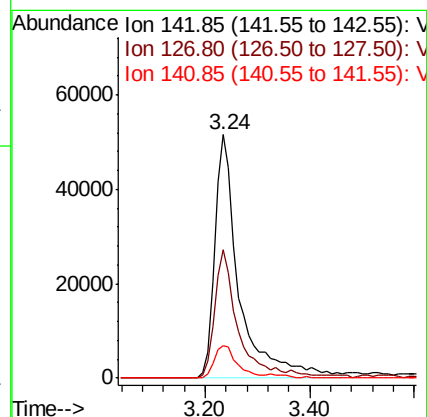
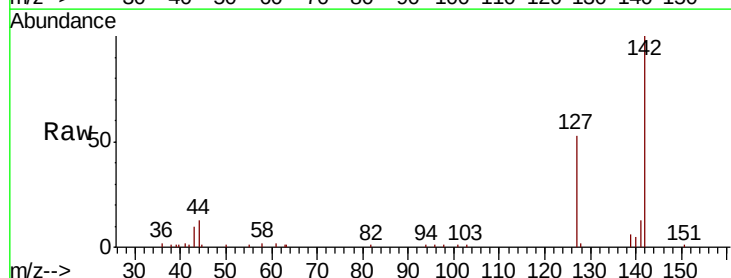
Acq: 4 Oct 2018 12:35

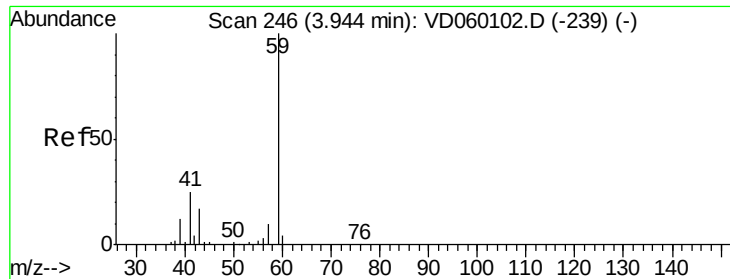
Tgt Ion:142 Resp: 167501
Ion Ratio Lower Upper

142 100

127 52.7 42.0 63.0

141 13.4 11.4 17.0





#11

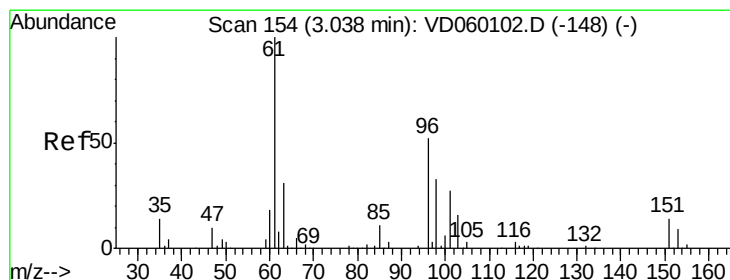
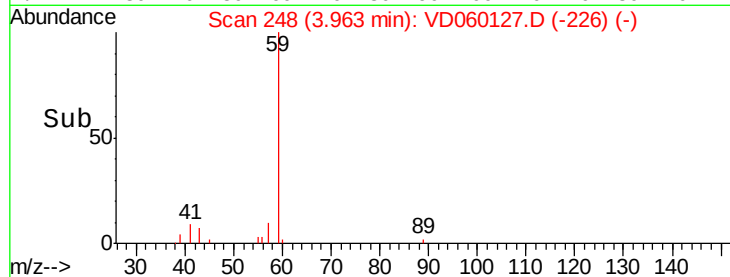
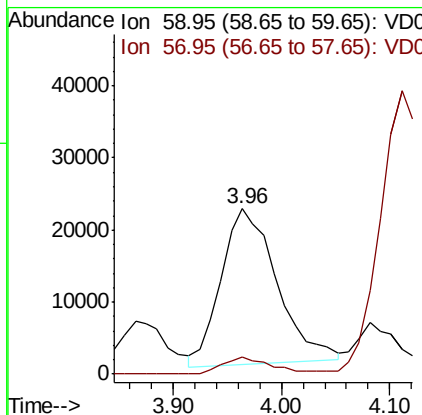
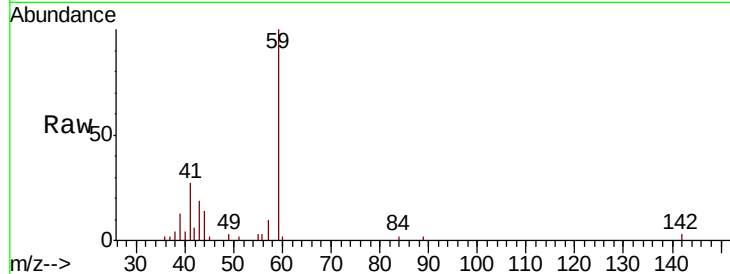
Tert butyl alcohol
 Concen: 89.895 ug/l
 RT: 3.96 min Scan# 248
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion: 59 Resp: 78053
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.8 11.6

Manual Integrations
 APPROVED

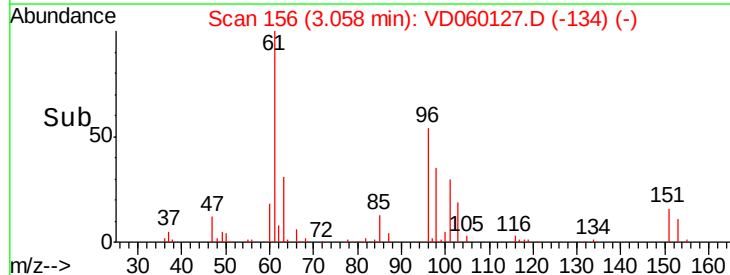
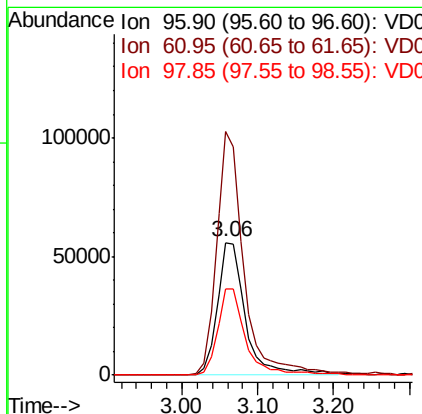
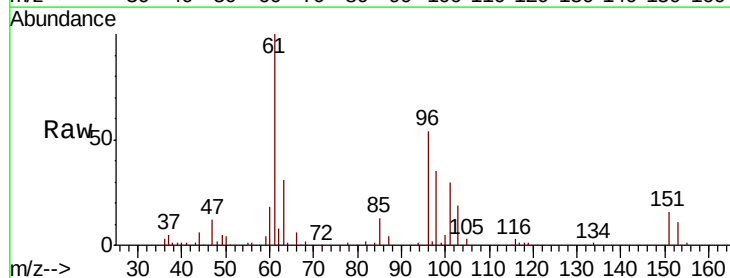
apatel
 10/5/2018 12:20:18 PM

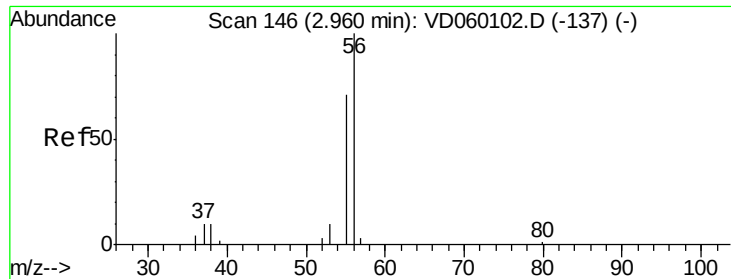


#12

1,1-Dichloroethene
 Concen: 22.216 ug/l
 RT: 3.06 min Scan# 156
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion: 96 Resp: 144739
 Ion Ratio Lower Upper
 96 100
 61 183.9 153.0 229.4
 98 64.9 51.1 76.7





#13

Acrolein

Concen: 95.297 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 56 Resp: 51007

Ion Ratio Lower Upper

56 100

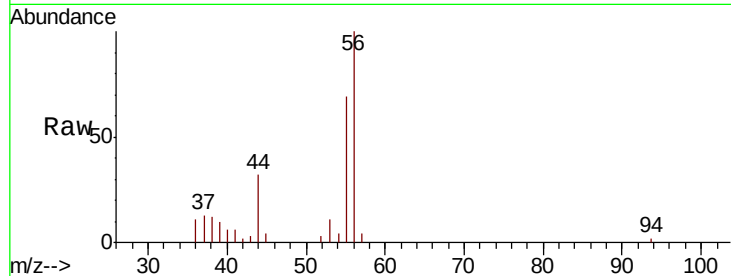
55 68.6 57.4 86.2

Manual Integrations

APPROVED

apatel

10/5/2018 12:20:18 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.98

20000

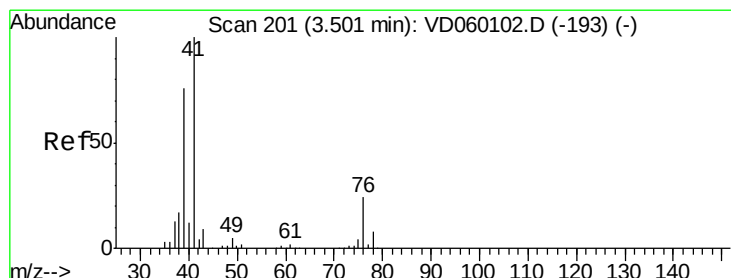
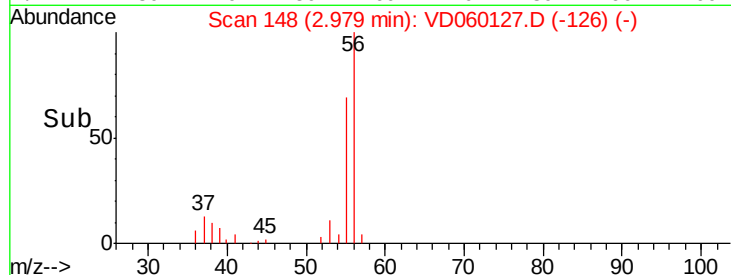
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 21.923 ug/l

RT: 3.52 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

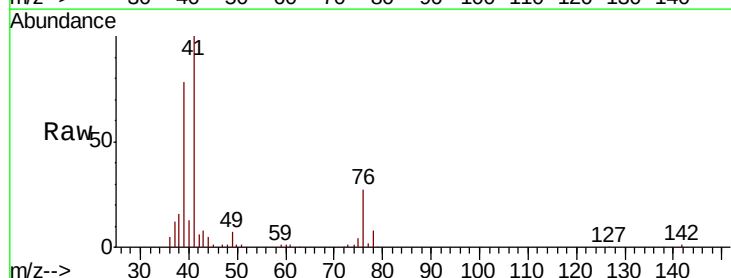
Tgt Ion: 41 Resp: 296645

Ion Ratio Lower Upper

41 100

39 77.6 60.6 90.8

76 26.8 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

3.52

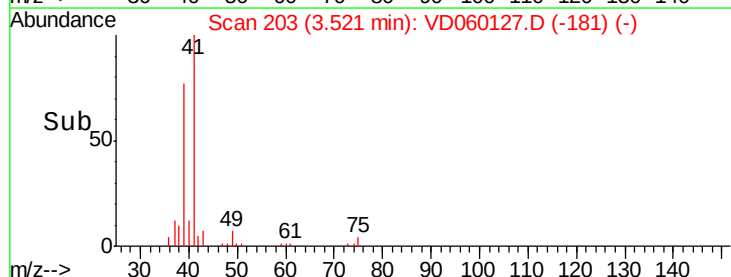
150000

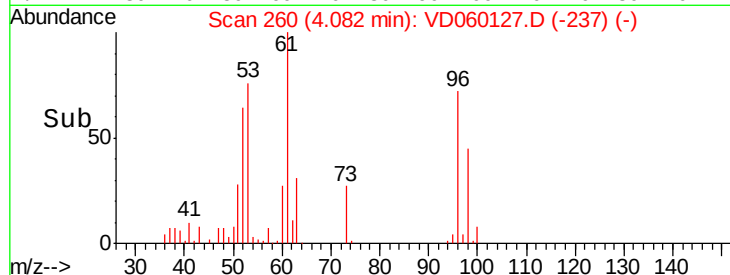
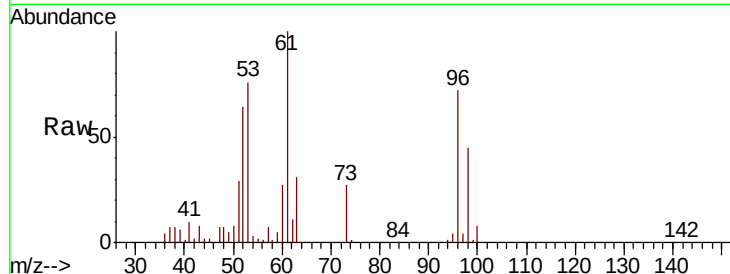
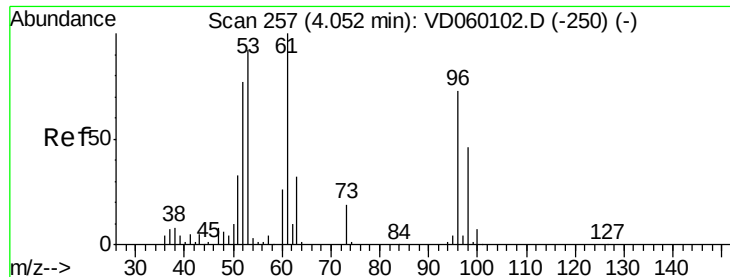
100000

50000

0

Time-->





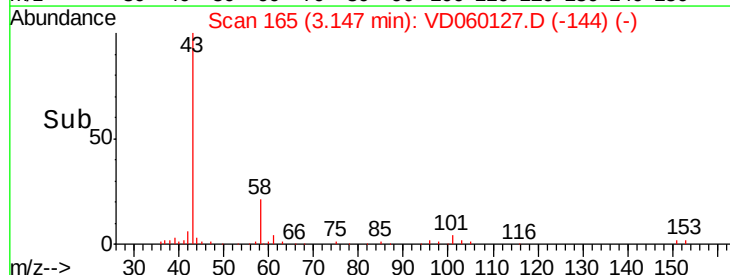
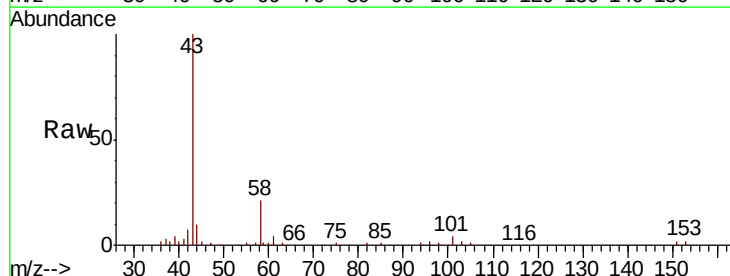
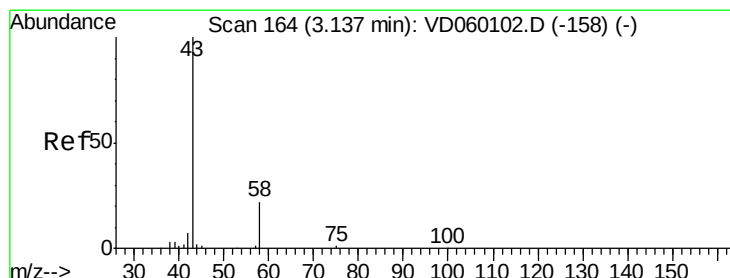
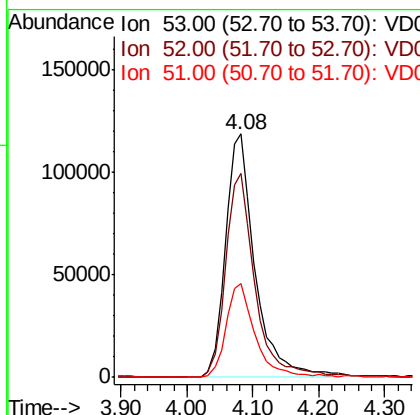
#15
Acrylonitrile
Concen: 103.580 ug/l
RT: 4.08 min Scan# 260
Delta R.T. 0.03 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.5	101.3
51	38.4	29.3	43.9

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

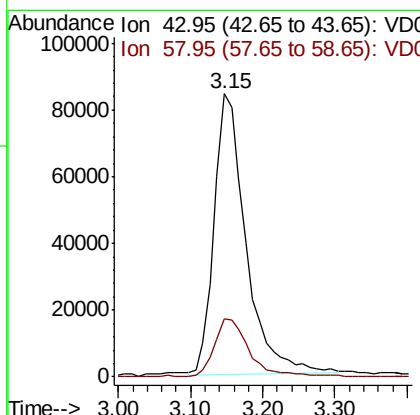
Manual Integrations
APPROVED

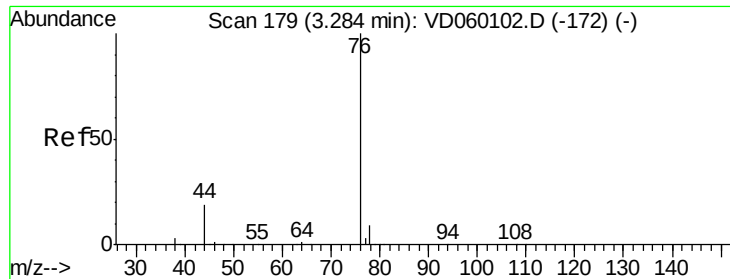
apatel
10/5/2018 12:20:18 PM



#16
Acetone
Concen: 116.932 ug/l
RT: 3.15 min Scan# 165
Delta R.T. 0.01 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	20.7	17.7	26.5





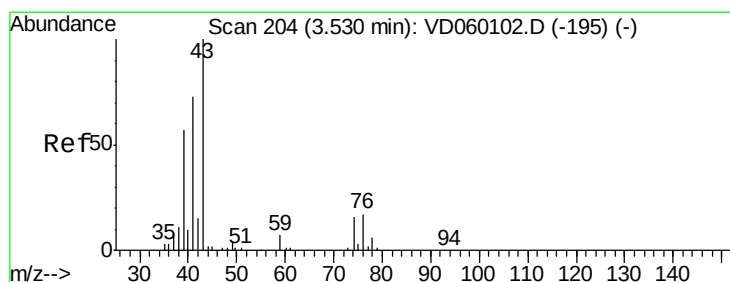
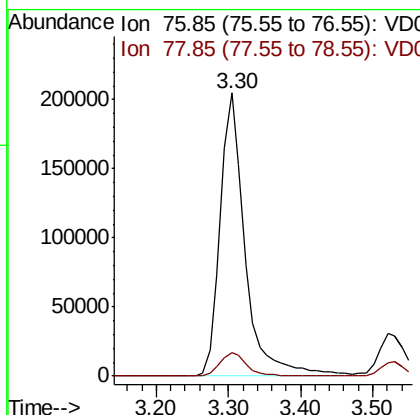
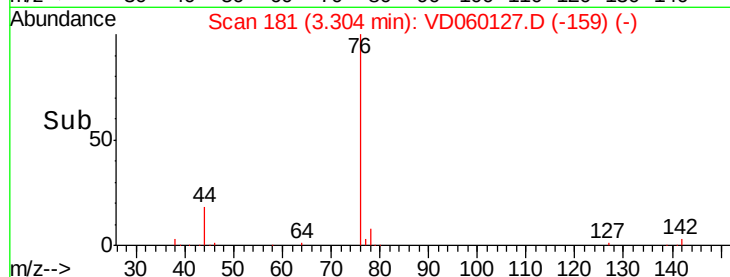
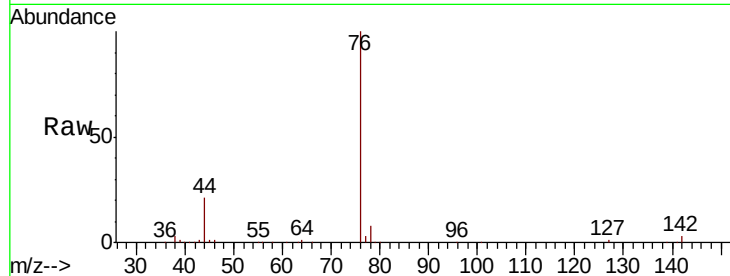
#17
Carbon Disulfide
Concen: 22.358 ug/l
RT: 3.30 min Scan# 181
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 76 Resp: 489837
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2

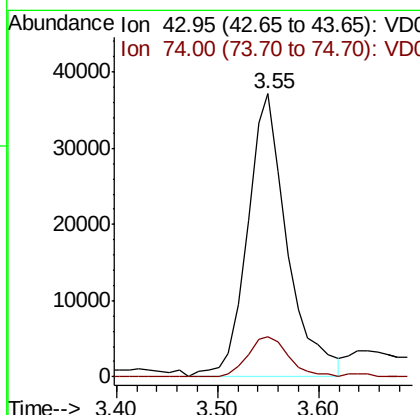
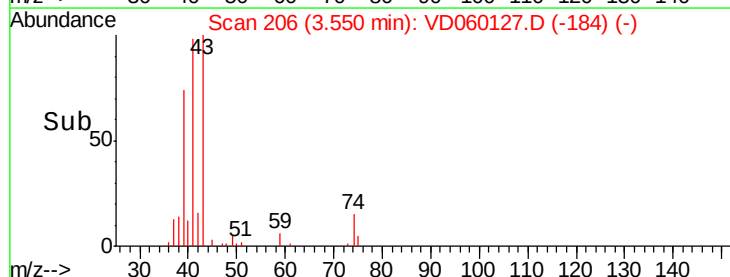
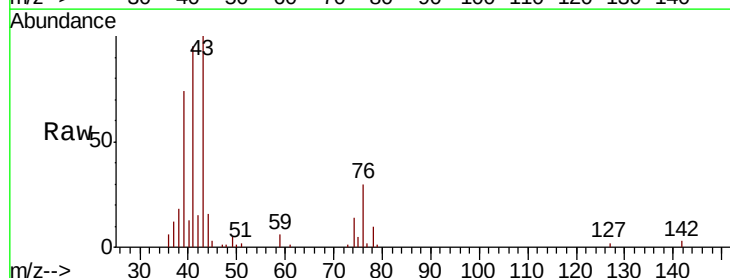
Manual Integrations
APPROVED

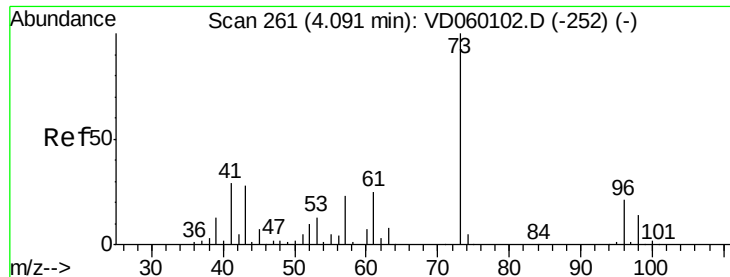
apatel
10/5/2018 12:20:18 PM



#18
Methyl Acetate
Concen: 21.586 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion: 43 Resp: 101920
Ion Ratio Lower Upper
43 100
74 14.2 12.6 19.0





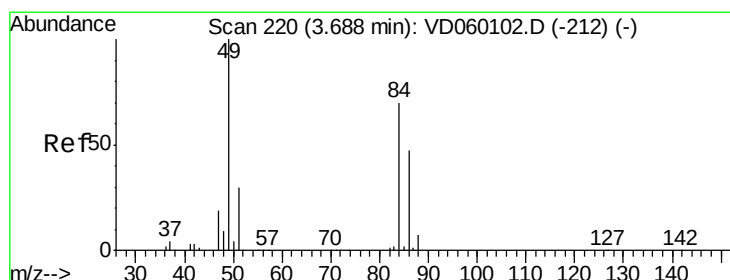
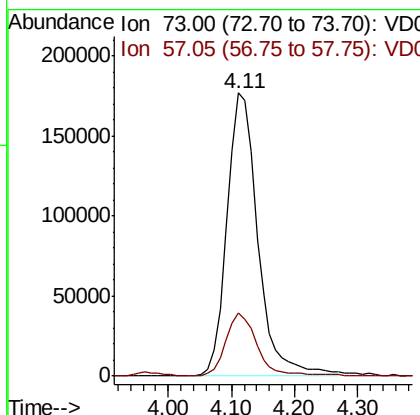
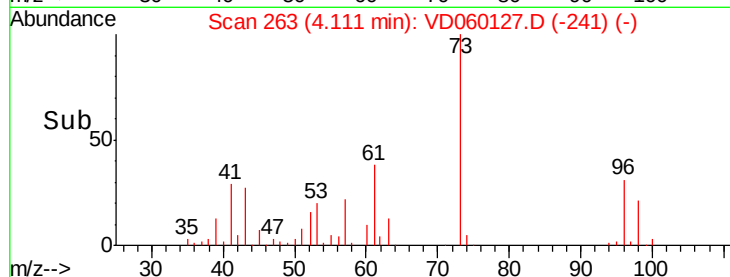
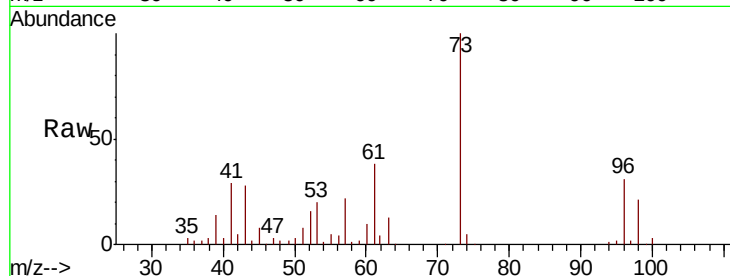
#19
Methyl tert-butyl Ether
Concen: 20.979 ug/l
RT: 4.11 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 73 Resp: 600949
Ion Ratio Lower Upper
73 100
57 22.2 18.7 28.1

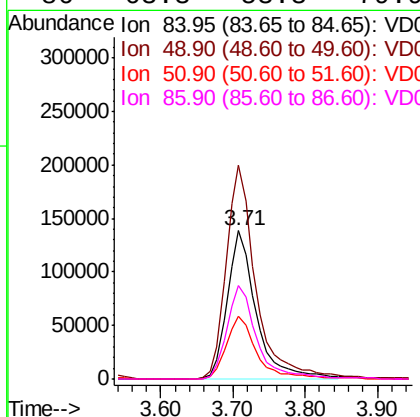
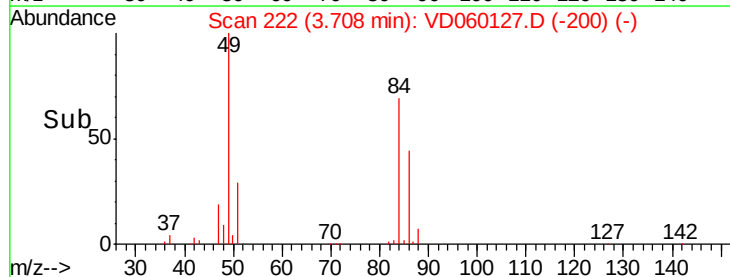
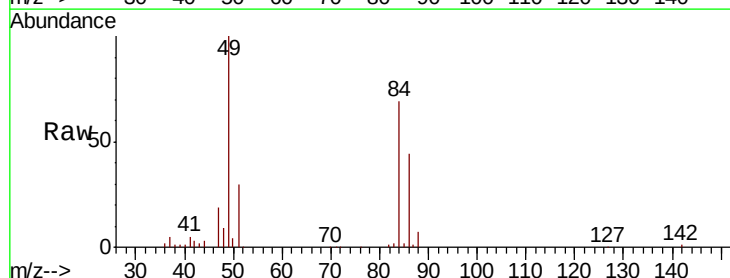
Manual Integrations
APPROVED

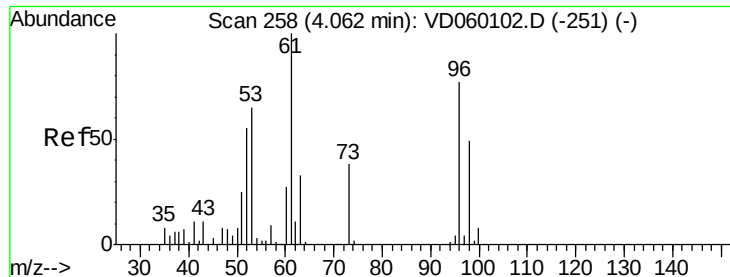
apatel
10/5/2018 12:20:18 PM



#20
Methylene Chloride
Concen: 19.782 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion: 84 Resp: 386999
Ion Ratio Lower Upper
84 100
49 144.0 114.6 172.0
51 42.6 33.8 50.8
86 63.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 20.705 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.03 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 96 Resp: 348397

Ion Ratio Lower Upper

96 100

61 132.8 103.3 154.9

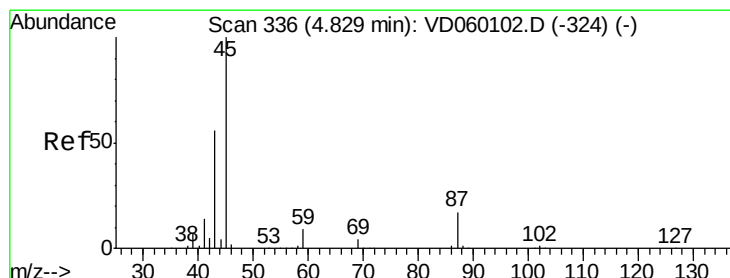
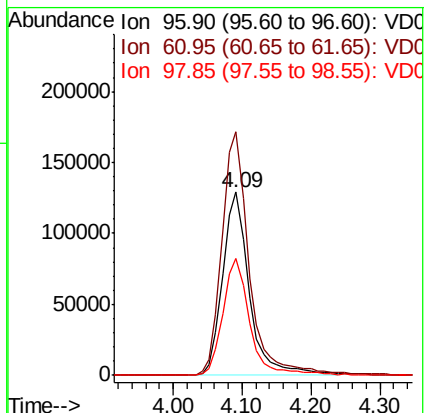
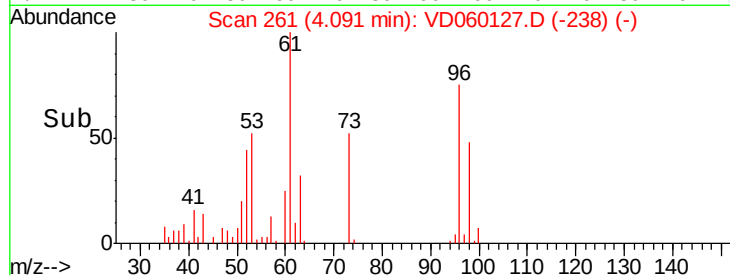
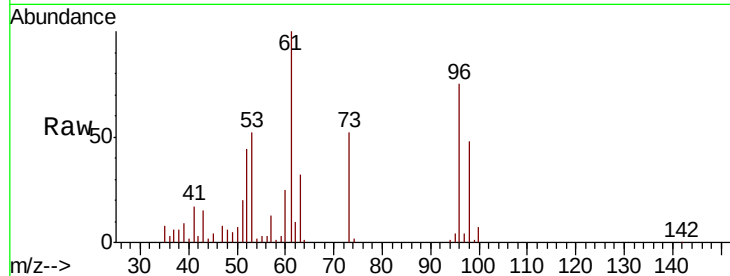
98 63.6 50.4 75.6

Manual Integrations

APPROVED

apatel

10/5/2018 12:20:18 PM



#22

Diisopropyl ether

Concen: 21.378 ug/l

RT: 4.85 min Scan# 338

Delta R.T. 0.02 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Tgt Ion: 45 Resp: 1291899

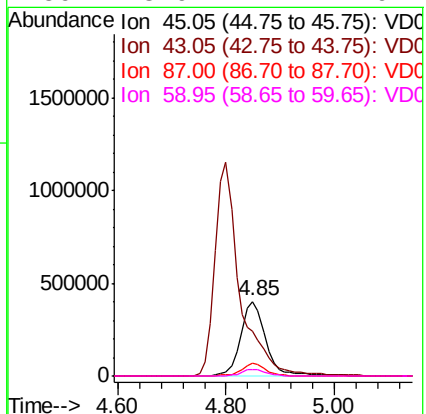
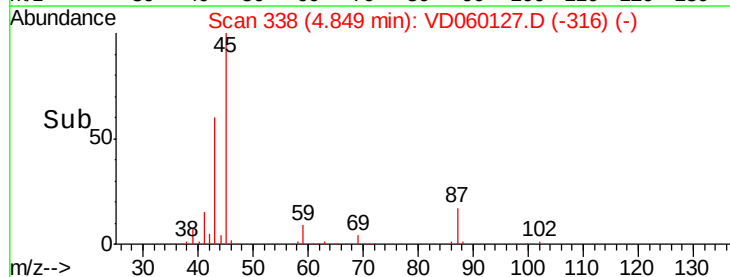
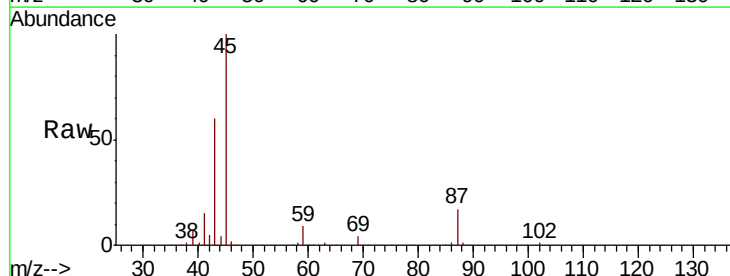
Ion Ratio Lower Upper

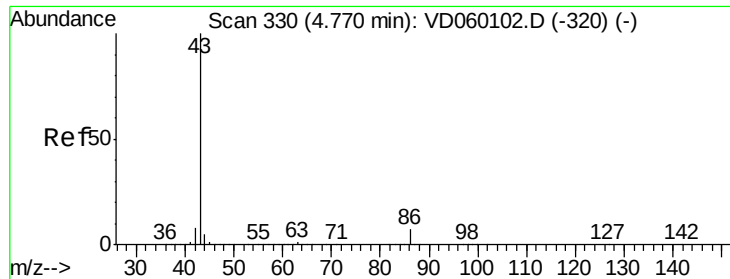
45 100

43 60.1 44.8 67.2

87 17.3 13.9 20.9

59 8.9 7.1 10.7





#23

Vinyl Acetate

Concen: 107.434 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 43 Resp: 3649348

Ion Ratio Lower Upper

43 100

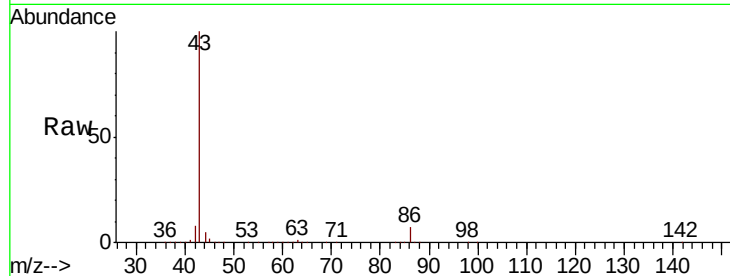
86 6.9 5.6 8.4

Manual Integrations

APPROVED

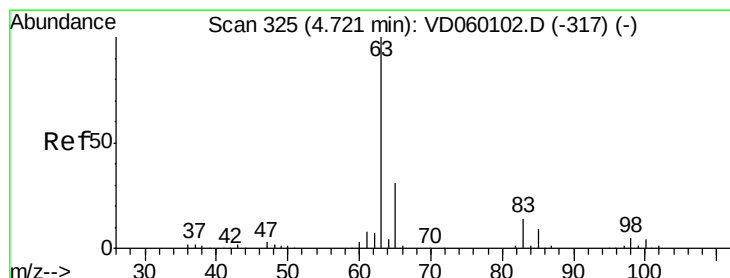
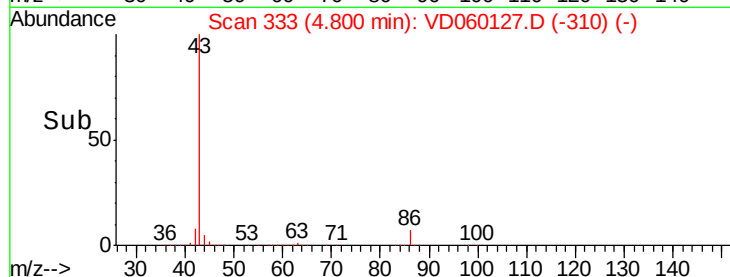
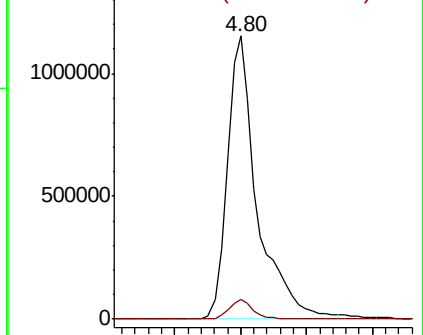
apatel

10/5/2018 12:20:18 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.463 ug/l

RT: 4.75 min Scan# 328

Delta R.T. 0.03 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

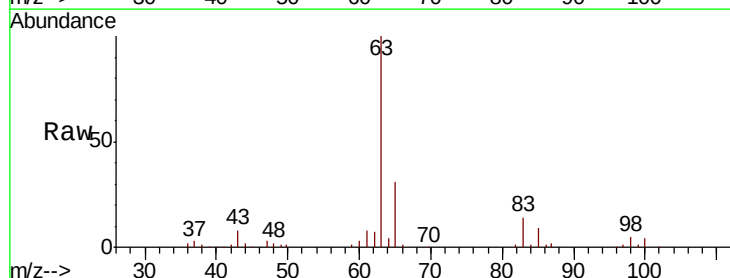
Tgt Ion: 63 Resp: 560693

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

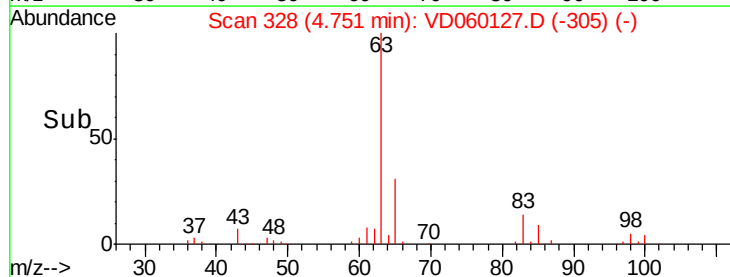
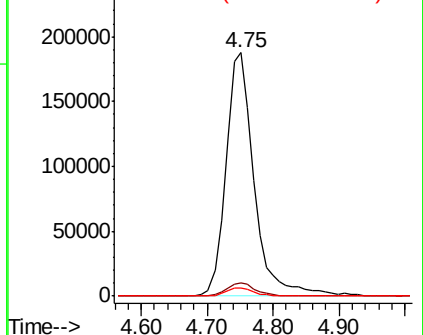
100 3.6 1.8 5.3

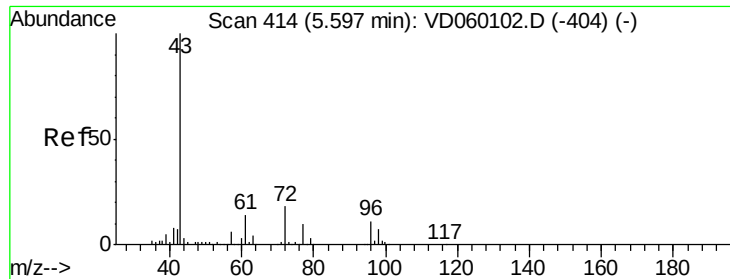


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 107.951 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 43 Resp: 592448

Ion Ratio Lower Upper

43 100

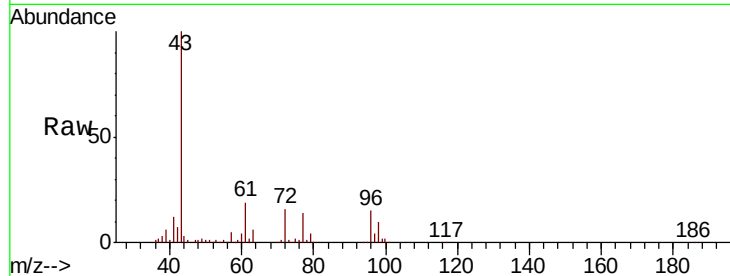
72 16.3 14.5 21.7

Manual Integrations

APPROVED

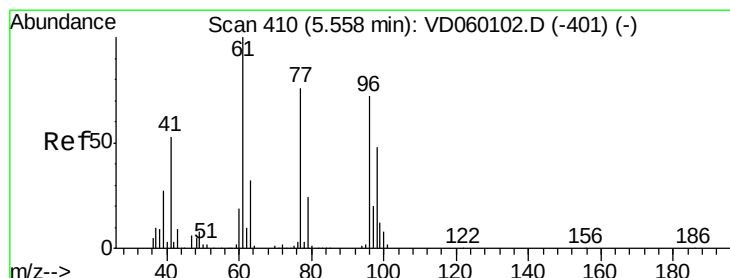
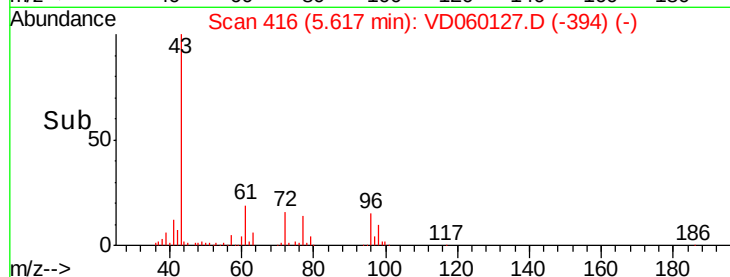
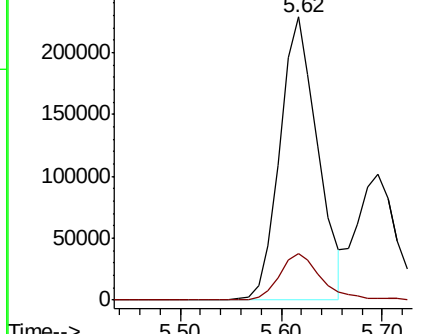
apatel

10/5/2018 12:20:18 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.778 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.02 min

Lab File: VD060127.D

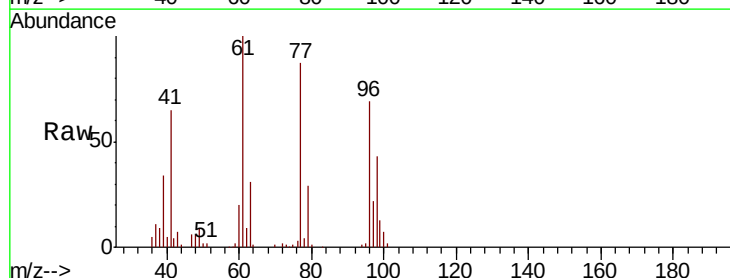
Acq: 4 Oct 2018 12:35

Tgt Ion: 77 Resp: 452360

Ion Ratio Lower Upper

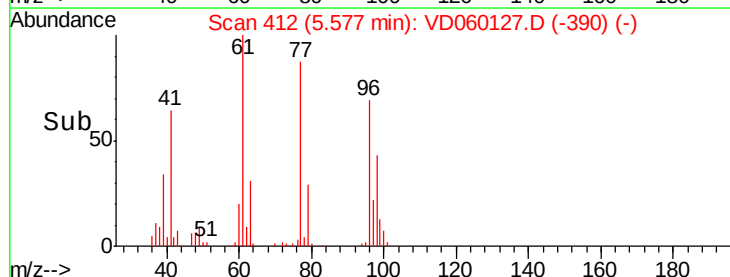
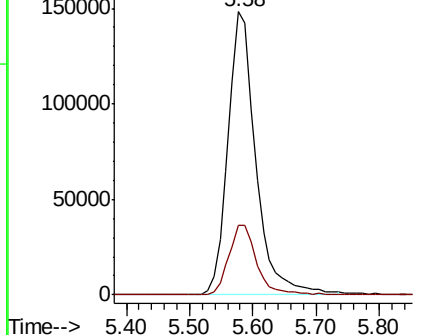
77 100

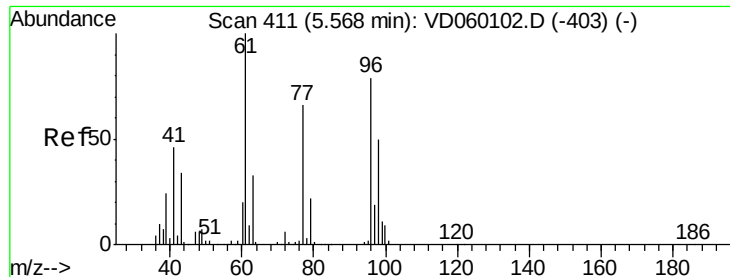
97 24.8 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

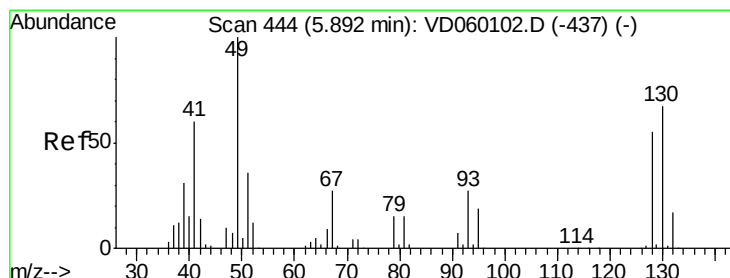
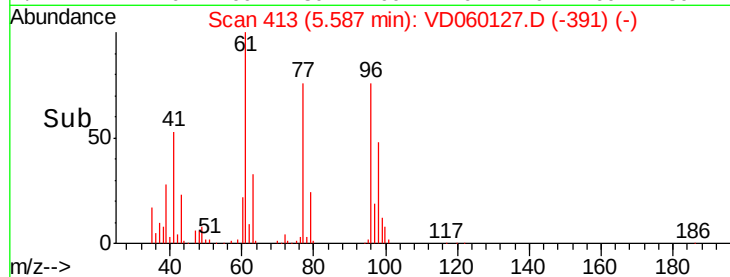
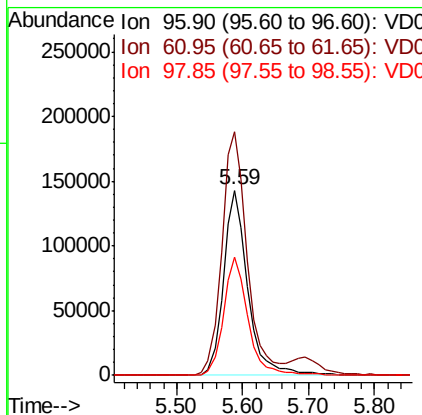
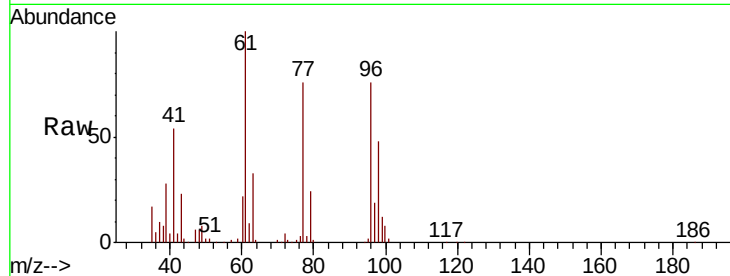
cis-1,2-Dichloroethene
Concen: 20.644 ug/l
RT: 5.59 min Scan# 413
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.6	0.0	251.8	
98	63.8	0.0	125.2	

Manual Integrations
APPROVED

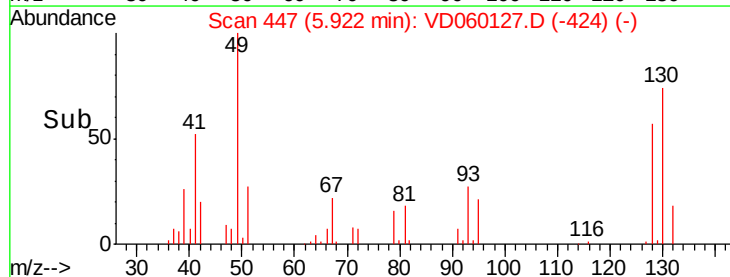
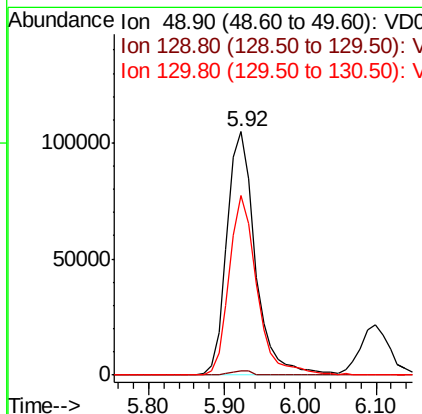
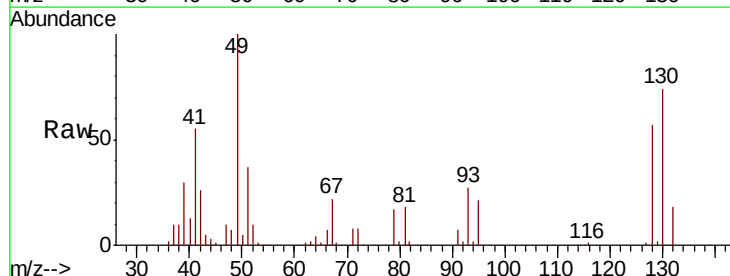
apatel
10/5/2018 12:20:18 PM

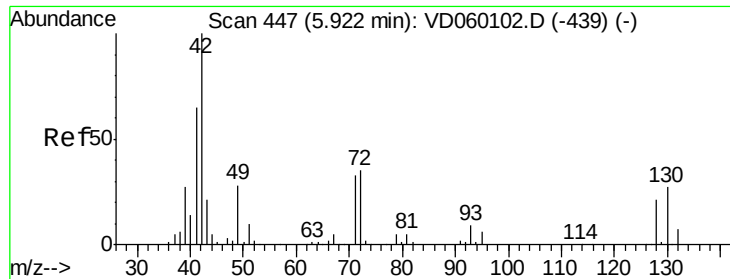


#28

Bromochloromethane
Concen: 20.563 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	73.9	53.9	80.9	





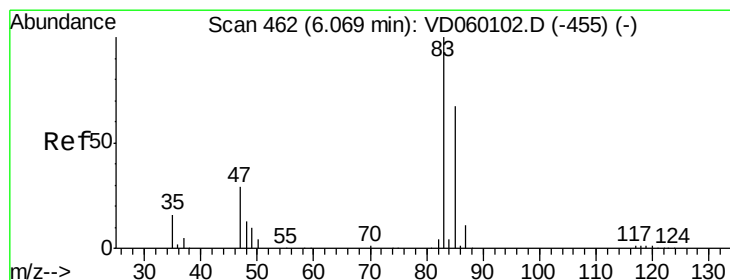
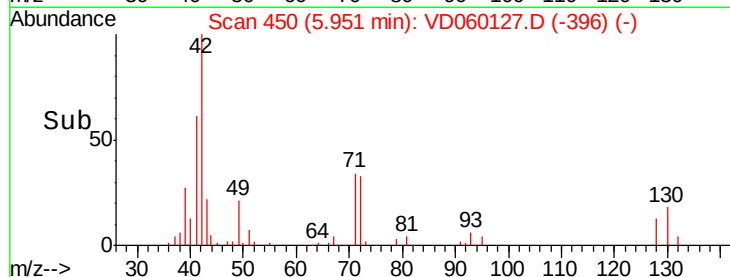
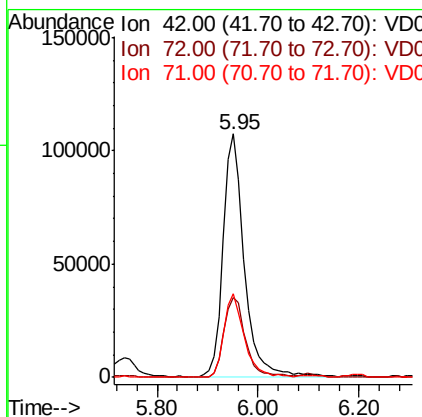
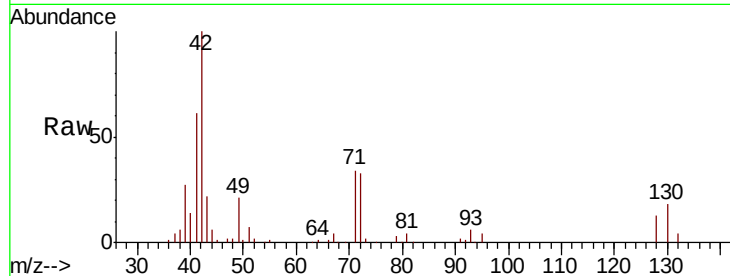
#29
Tetrahydrofuran
Concen: 98.910 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.9	26.9	40.3
71	32.4	26.7	40.1

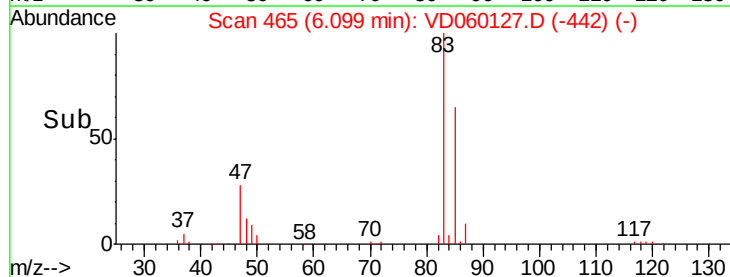
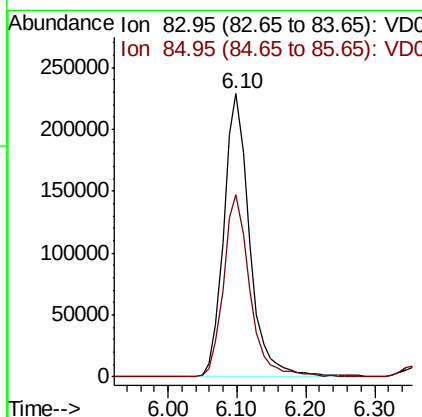
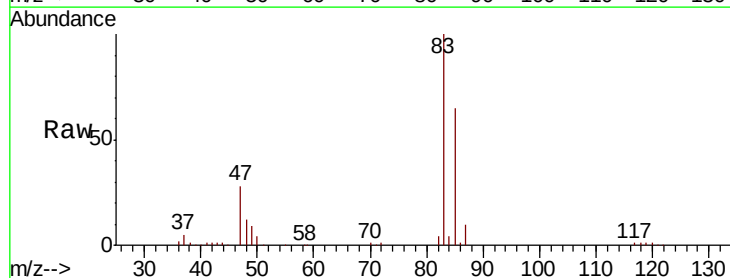
Manual Integrations
APPROVED

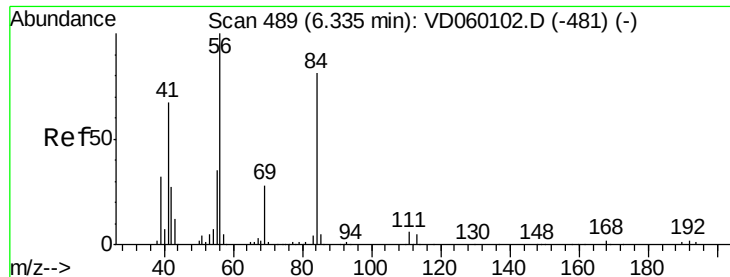
apatel
10/5/2018 12:20:18 PM



#30
Chloroform
Concen: 21.425 ug/l
RT: 6.10 min Scan# 465
Delta R.T. 0.03 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.8	80.8





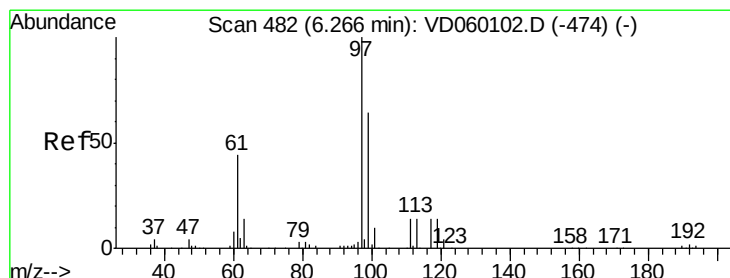
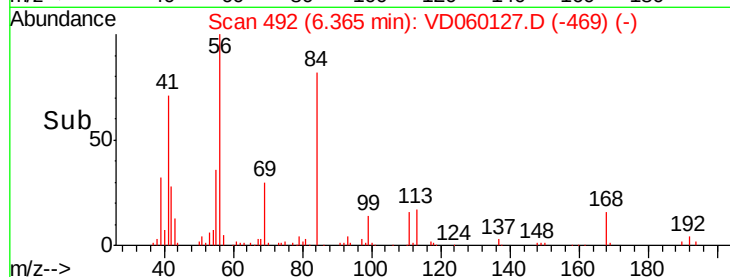
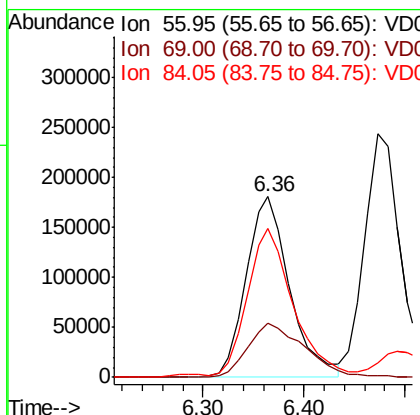
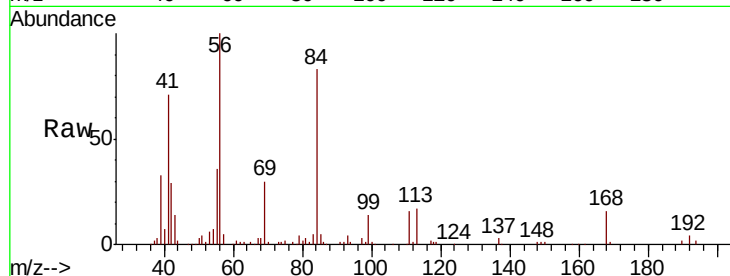
#31
Cyclohexane
Concen: 20.643 ug/l
RT: 6.36 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	22.8	34.2
84	82.6	64.9	97.3

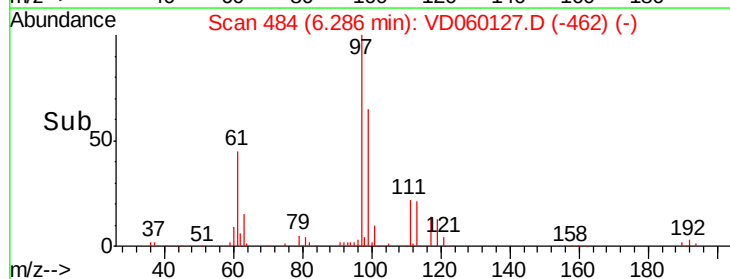
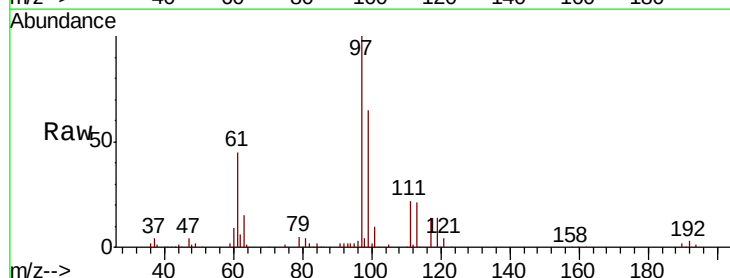
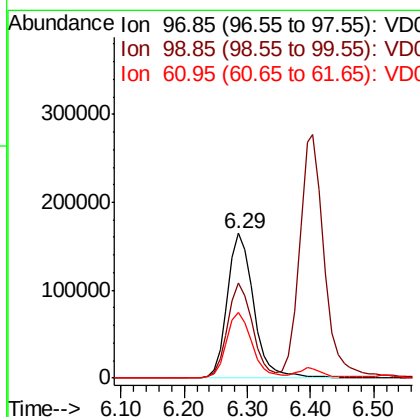
Manual Integrations
APPROVED

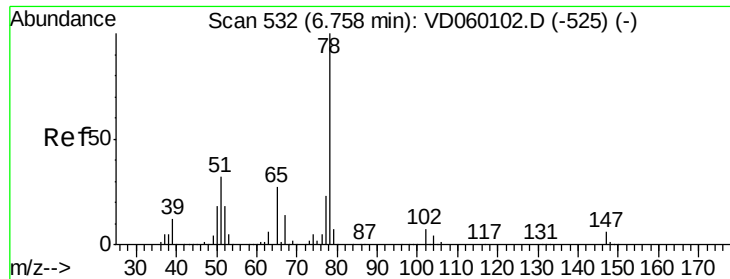
apatel
10/5/2018 12:20:18 PM



#32
1,1,1-Trichloroethane
Concen: 21.003 ug/l
RT: 6.29 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.4	77.0
61	45.0	35.5	53.3





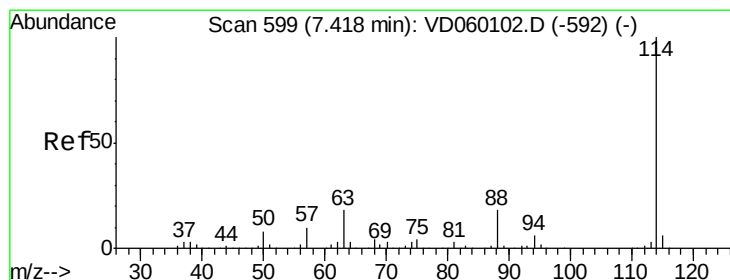
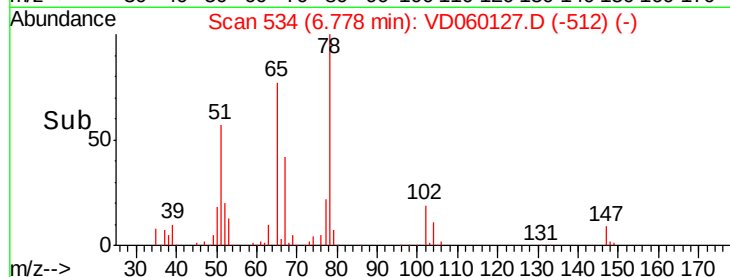
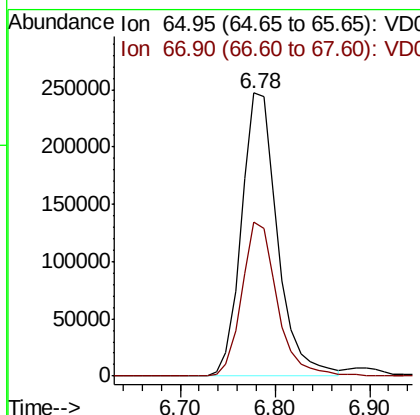
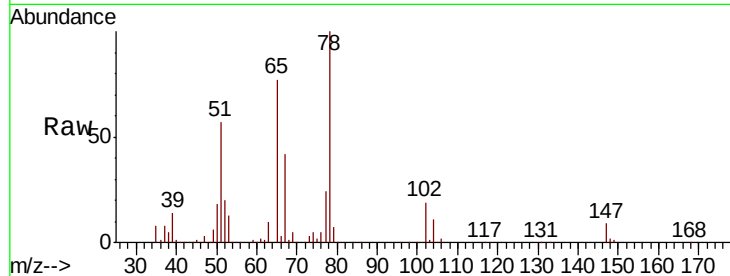
#33
 1,2-Dichloroethane-d4
 Concen: 21.003 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1004SBS01

Tot Ion: 65 Resp: 650904
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 106.2

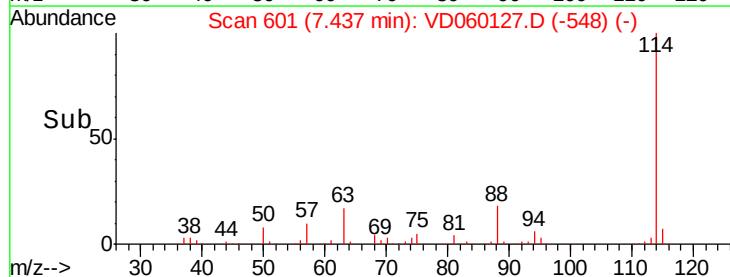
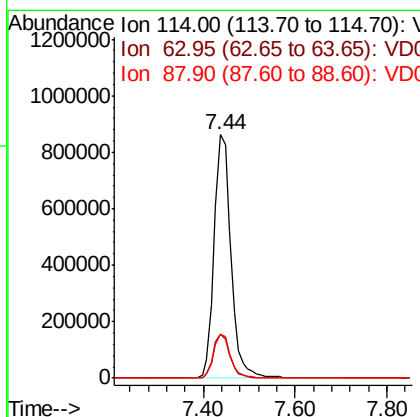
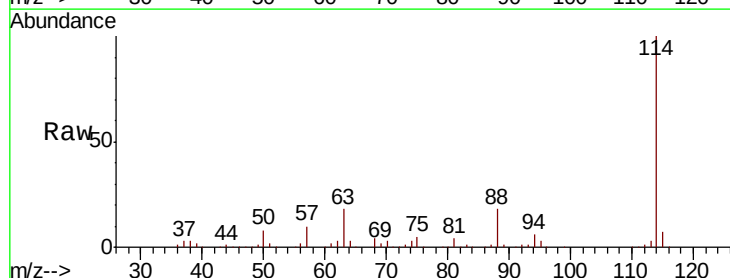
Manual Integrations
 APPROVED

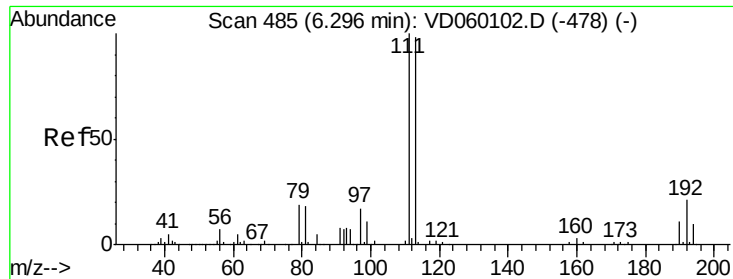
apatel
 10/5/2018 12:20:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion: 114 Resp: 2167356
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.0
 88 18.1 0.0 36.2





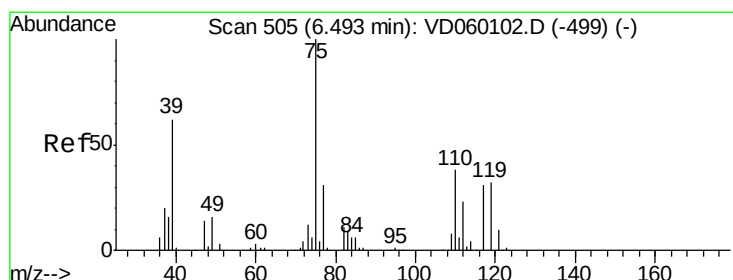
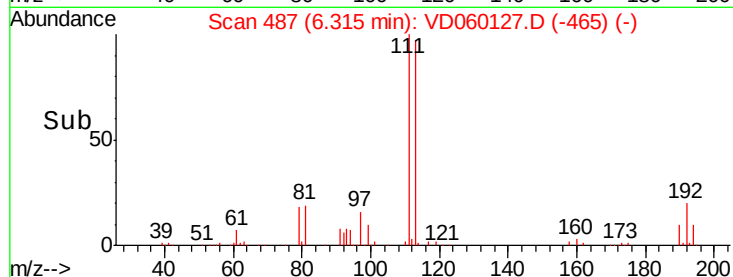
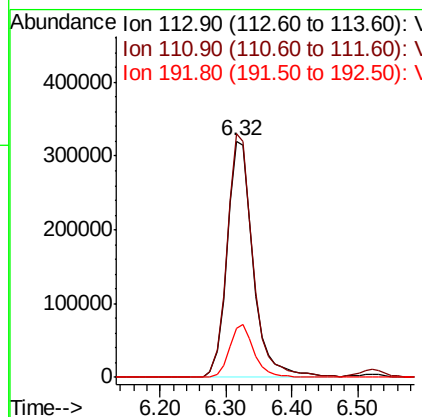
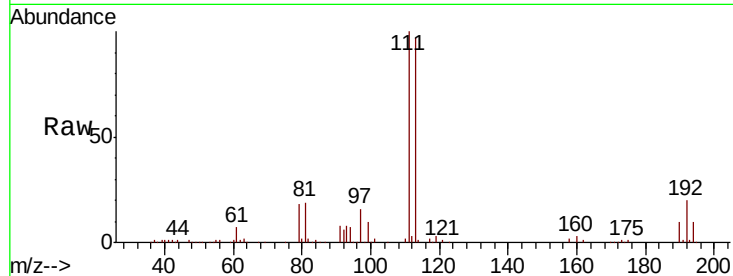
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	886193		
111	103.0	81.5	122.3	
192	20.7	17.4	26.0	

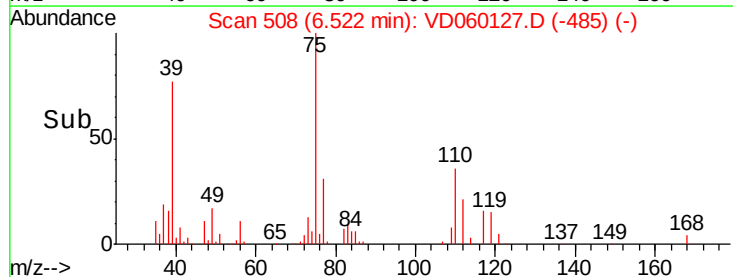
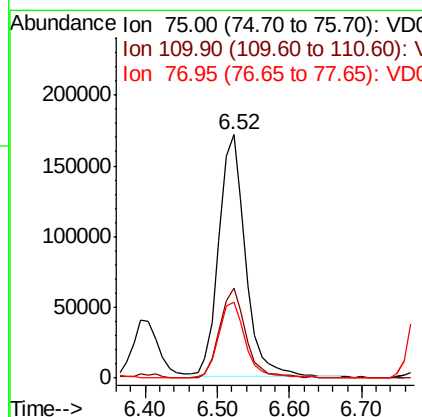
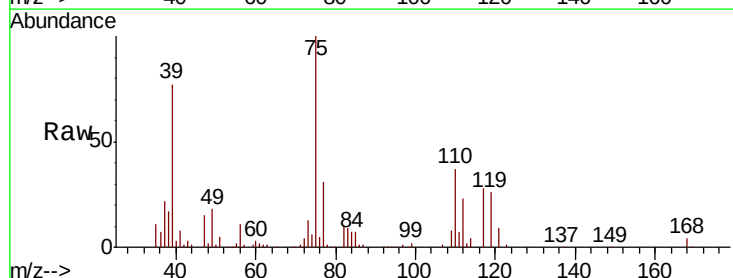
Manual Integrations
 APPROVED

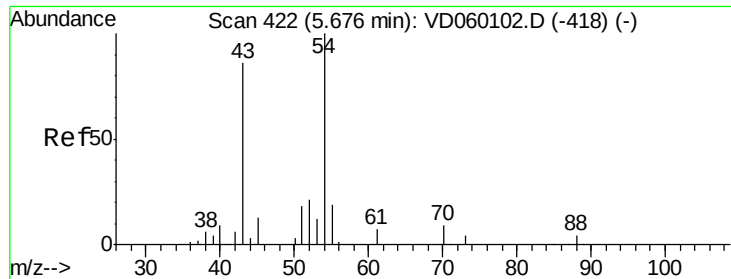
apatel
 10/5/2018 12:20:18 PM



#36
 1,1-Dichloropropene
 Concen: 21.194 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. 0.03 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	438945		
110	36.8	19.0	57.0	
77	31.3	24.9	37.3	





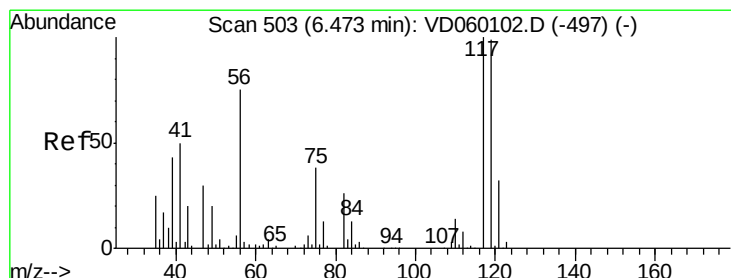
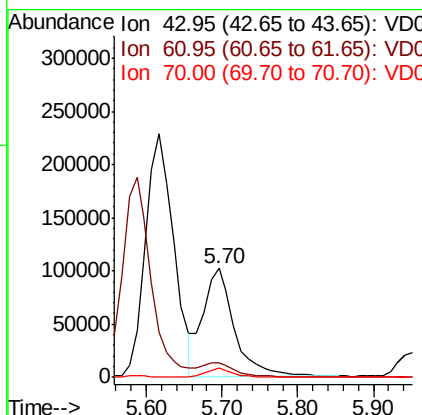
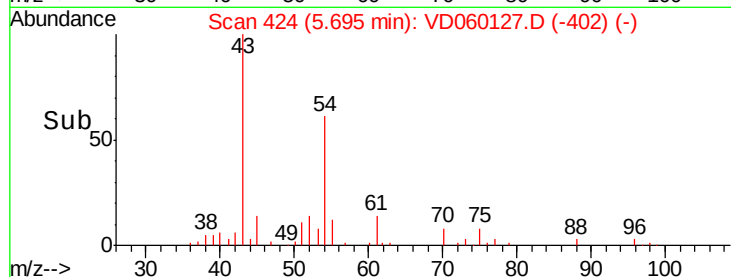
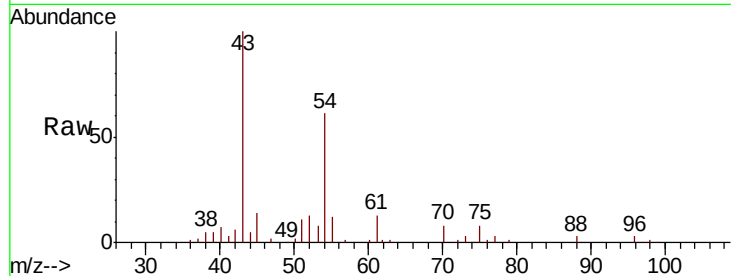
#37
Ethyl Acetate
Concen: 21.399 ug/l
RT: 5.70 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	8.1	6.3	9.5

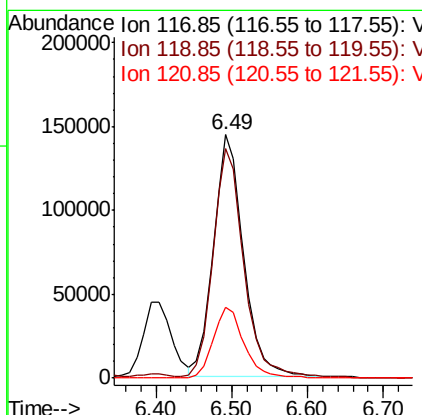
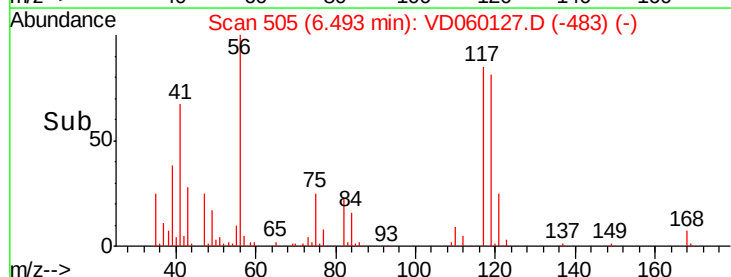
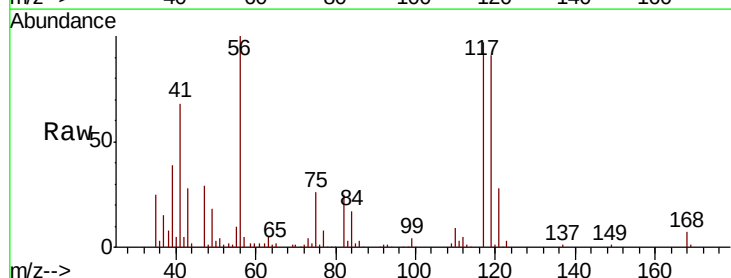
Manual Integrations
APPROVED

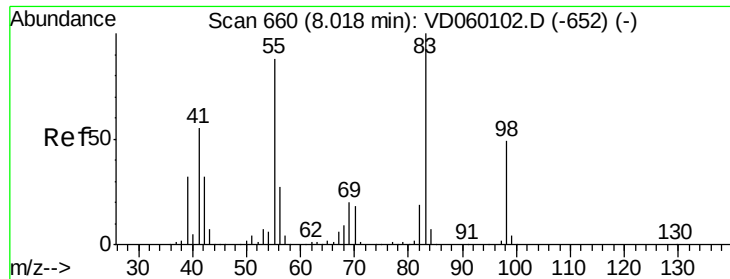
apatel
10/5/2018 12:20:18 PM



#38
Carbon Tetrachloride
Concen: 21.385 ug/l
RT: 6.49 min Scan# 505
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.8	116.6
121	29.1	24.8	37.2





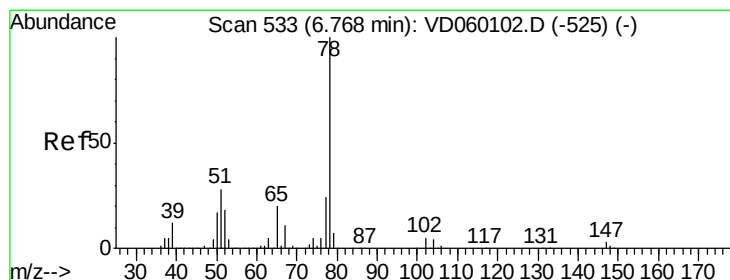
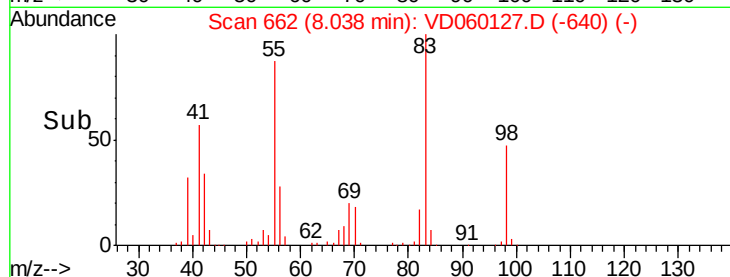
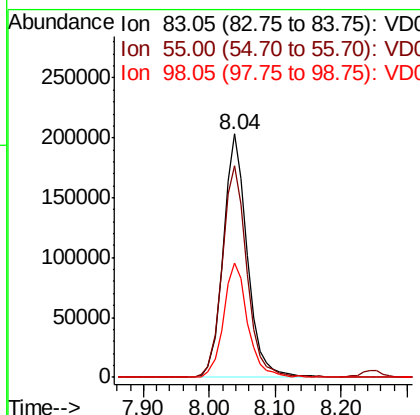
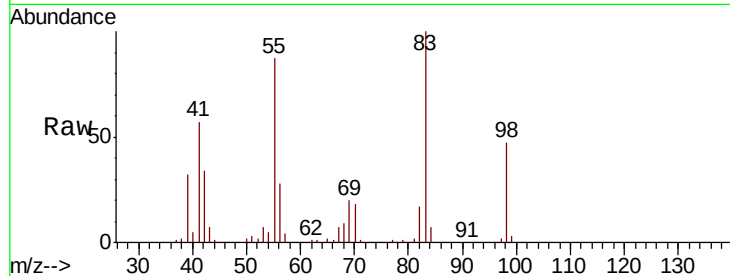
#39
Methylvlcyclohexane
Concen: 21.982 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	83	Resp	517289
Ion Ratio	Lower	Upper	
83	100		
55	86.7	70.5	105.7
98	47.2	39.4	59.2

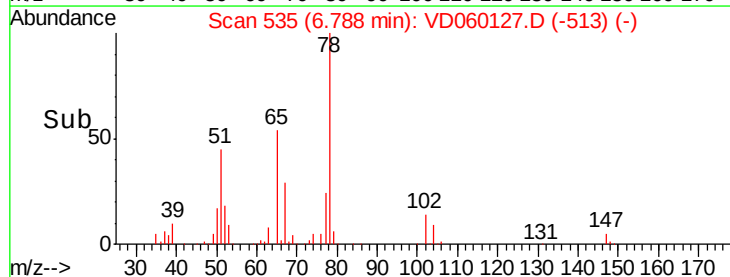
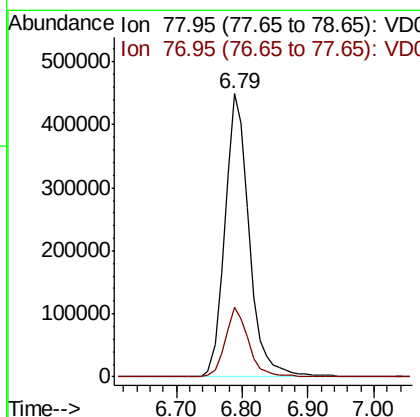
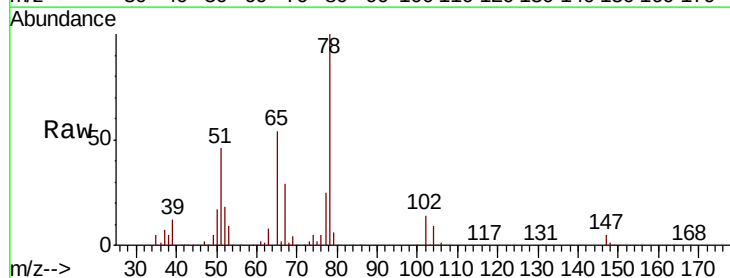
Manual Integrations
APPROVED

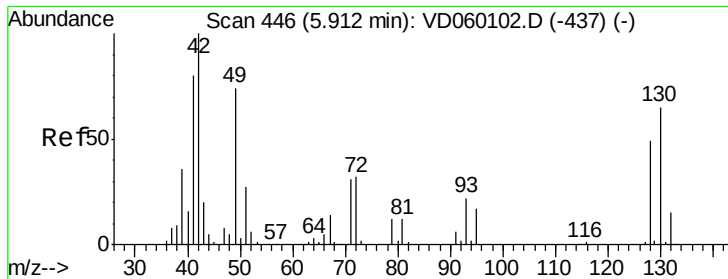
apatel
10/5/2018 12:20:18 PM



#40
Benzene
Concen: 21.391 ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion	78	Resp	1159057
Ion Ratio	Lower	Upper	
78	100		
77	24.7	19.0	28.4





#41

Methacrylonitrile

Concen: 15.628 ug/l m

RT: 5.91 min Scan# 446

Delta R.T. 0.00 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 41 Resp: 121432

Ion Ratio Lower Upper

41 100

39 50.4 36.0 54.0

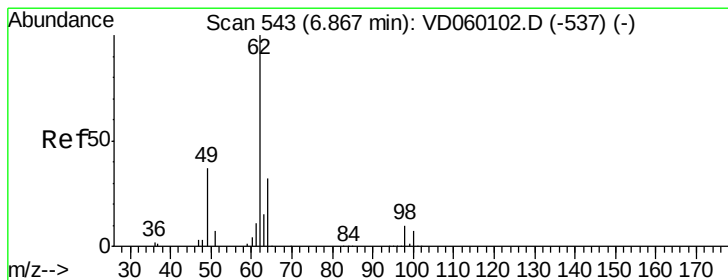
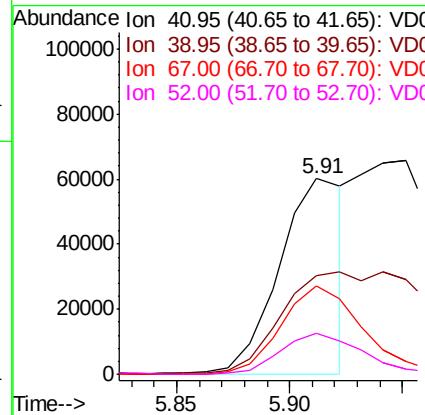
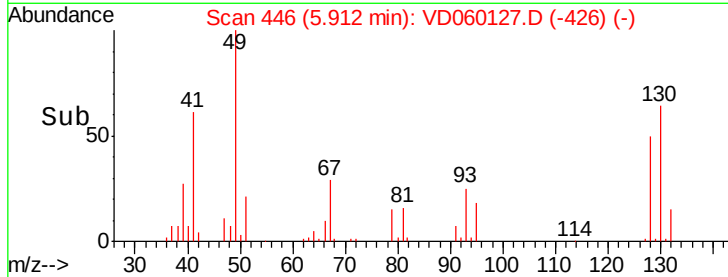
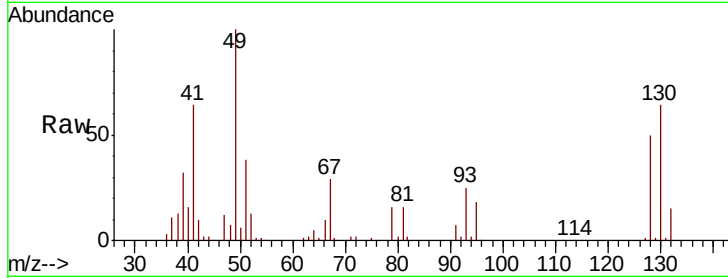
67 45.3 13.9 20.9#

52 20.7 6.1 9.1#

Manual Integrations
APPROVED

apatel

10/5/2018 12:20:18 PM



#42

1,2-Dichloroethane

Concen: 20.804 ug/l

RT: 6.89 min Scan# 545

Delta R.T. 0.02 min

Lab File: VD060127.D

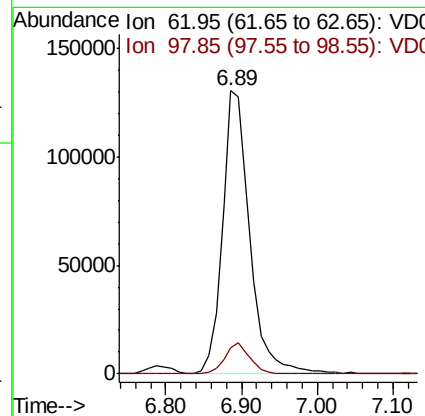
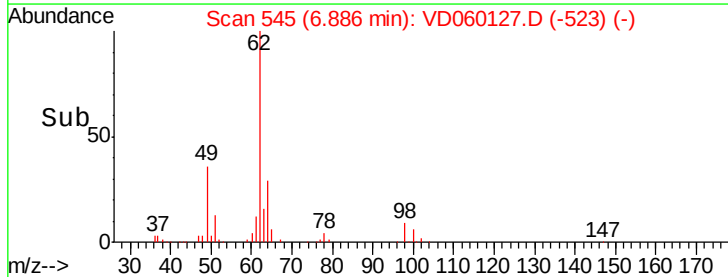
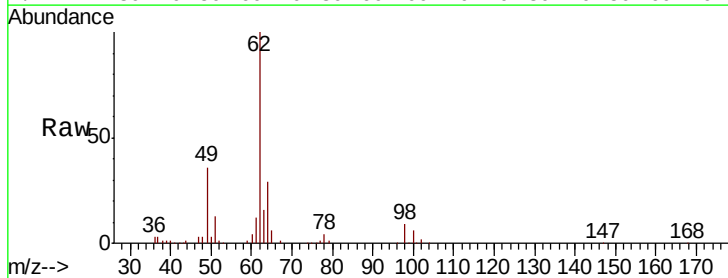
Acq: 4 Oct 2018 12:35

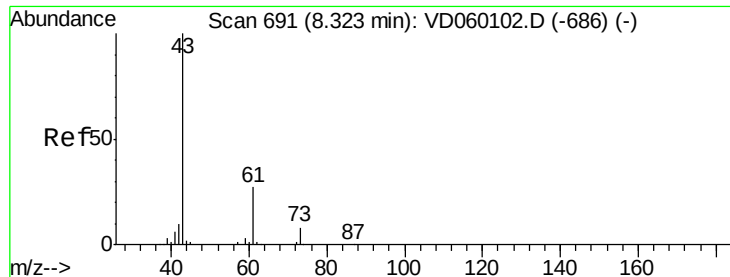
Tgt Ion: 62 Resp: 323169

Ion Ratio Lower Upper

62 100

98 9.0 0.0 20.6





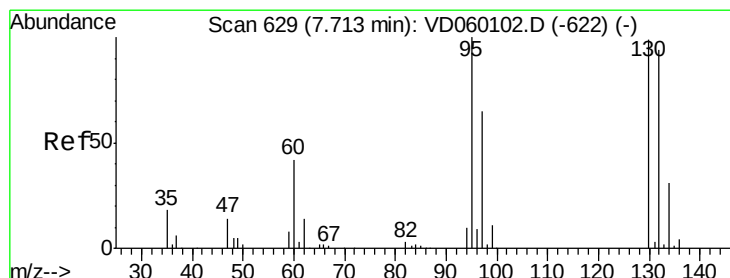
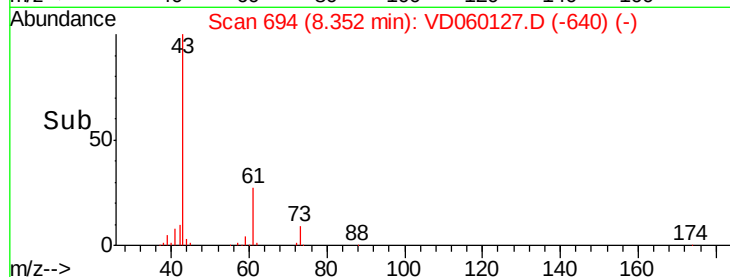
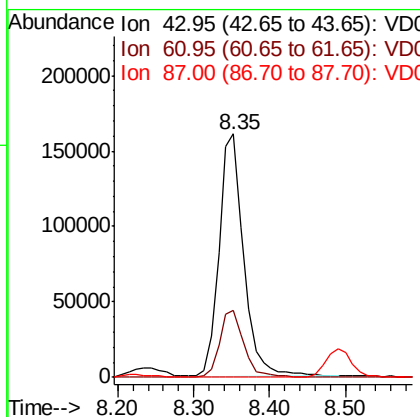
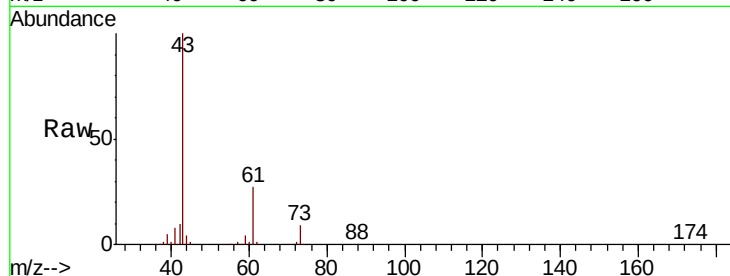
#43
Isopropyl Acetate
Concen: 20.070 ug/l
RT: 8.35 min Scan# 694
Delta R.T. 0.03 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.4	32.2
87	0.0	0.2	0.2

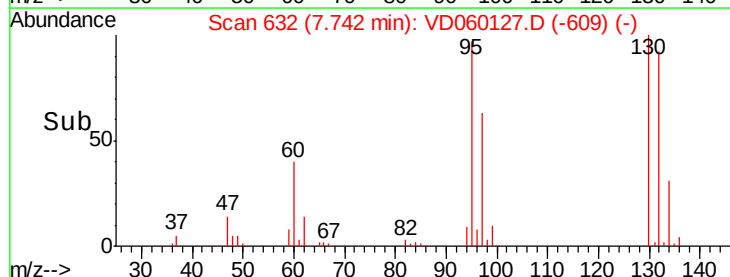
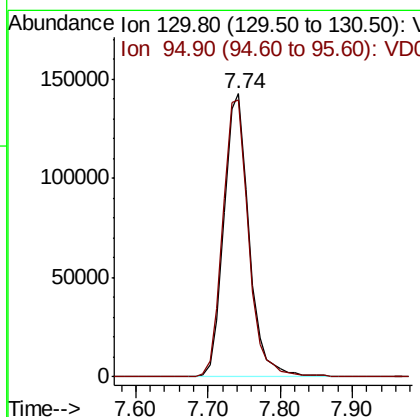
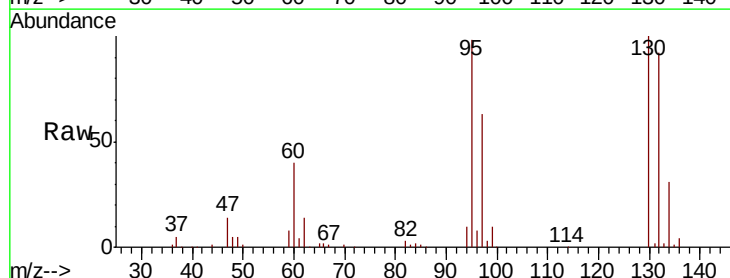
Manual Integrations
APPROVED

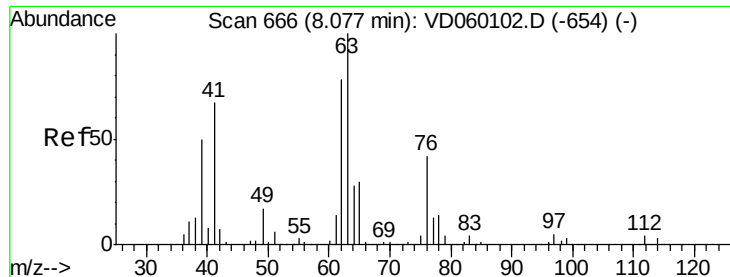
apatel
10/5/2018 12:20:18 PM



#44
Trichloroethene
Concen: 20.553 ug/l
RT: 7.74 min Scan# 632
Delta R.T. 0.03 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	202.2





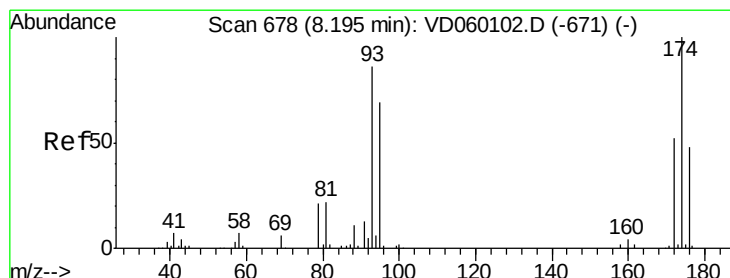
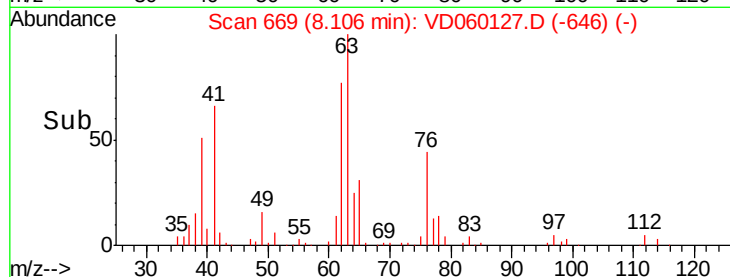
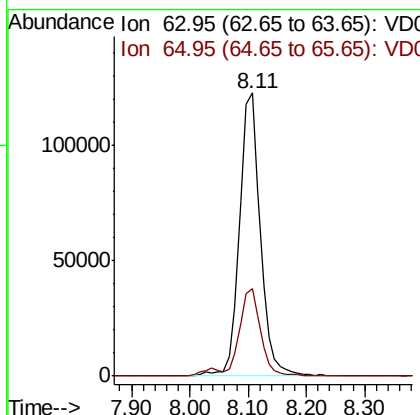
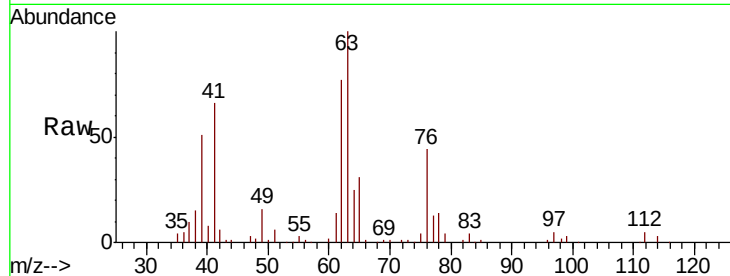
#45
 1,2-Dichloropropane
 Concen: 21.604 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. 0.03 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion: 63 Resp: 306506
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.1 36.1

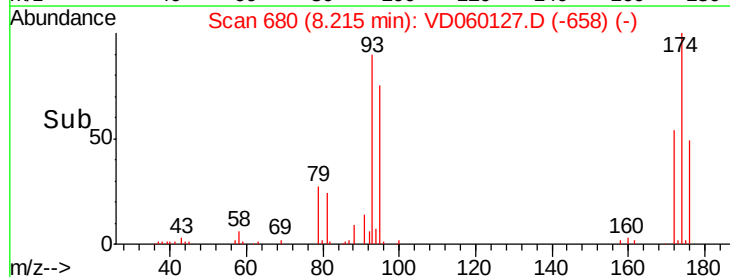
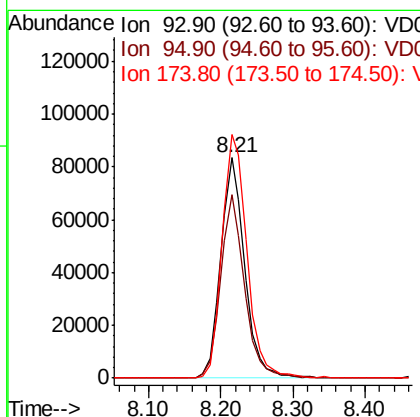
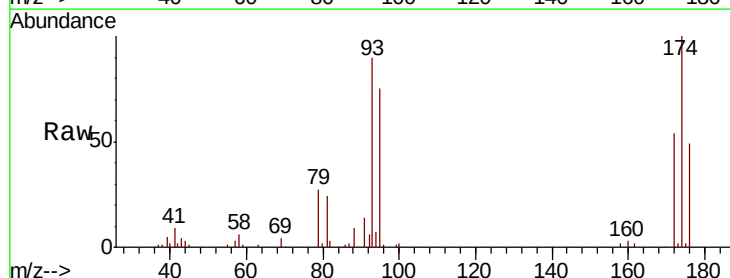
Manual Integrations
 APPROVED

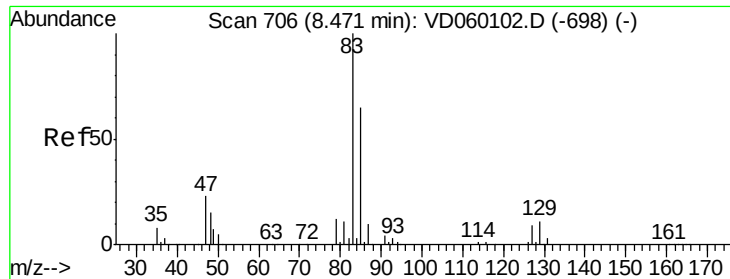
apatel
 10/5/2018 12:20:18 PM



#46
 Dibromomethane
 Concen: 20.690 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion: 93 Resp: 190045
 Ion Ratio Lower Upper
 93 100
 95 83.5 63.8 95.6
 174 110.7 92.9 139.3





#47

Bromodichloromethane

Concen: 21.621 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

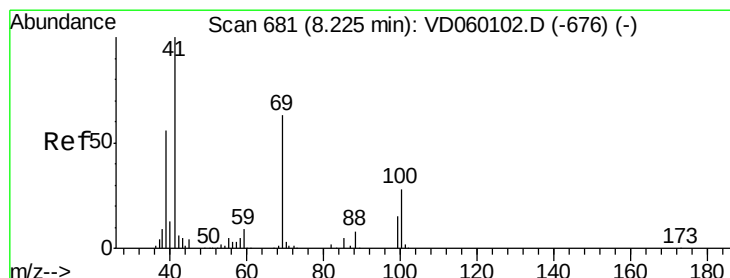
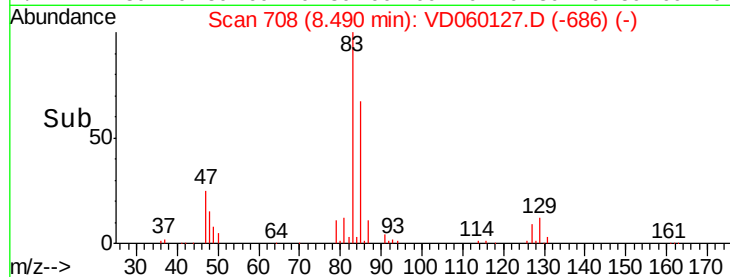
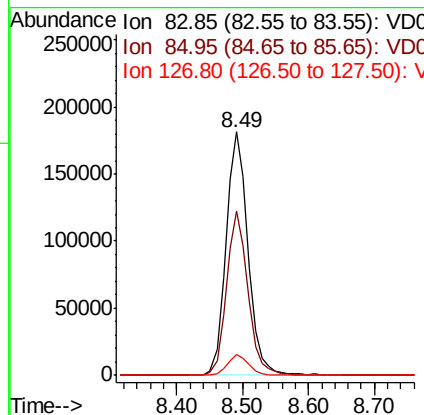
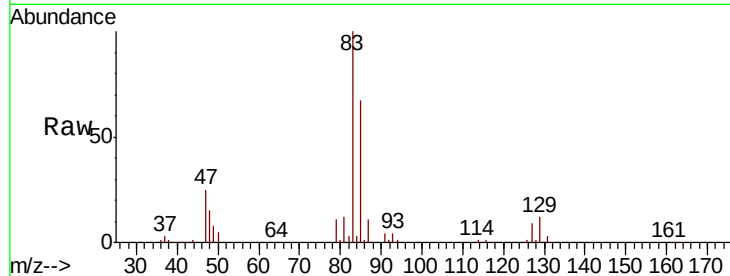
ClientSampleId :

VD1004SBS01

Tot Ion:	83	Resp:	423157
Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.2	78.2
127	8.8	7.4	11.0

Manual Integrations
APPROVED

apatel
10/5/2018 12:20:18 PM



#48

Methyl methacrylate

Concen: 21.024 ug/l

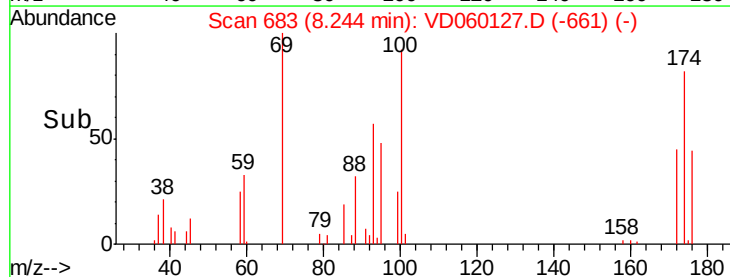
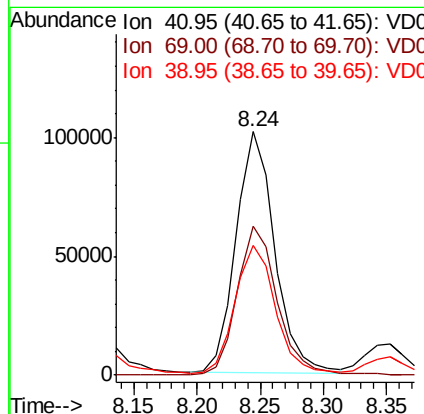
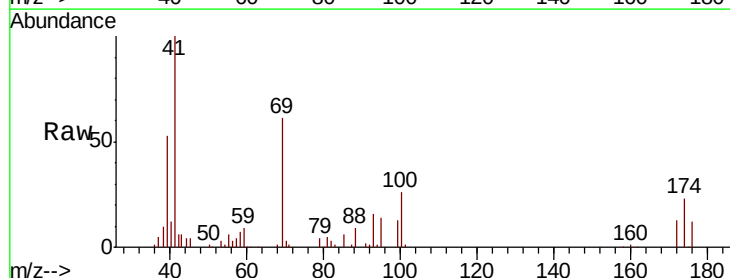
RT: 8.24 min Scan# 683

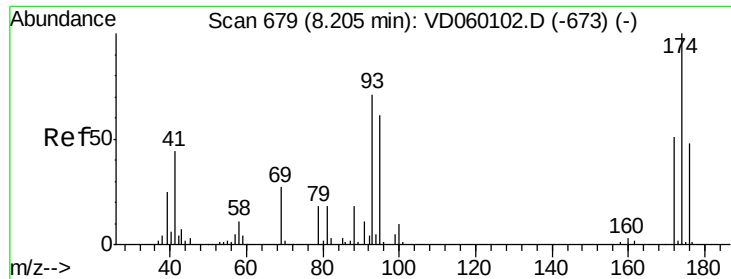
Delta R.T. 0.02 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Tgt Ion:	41	Resp:	216591
Ion	Ratio	Lower	Upper
41	100		
69	60.9	49.7	74.5
39	53.3	45.2	67.8





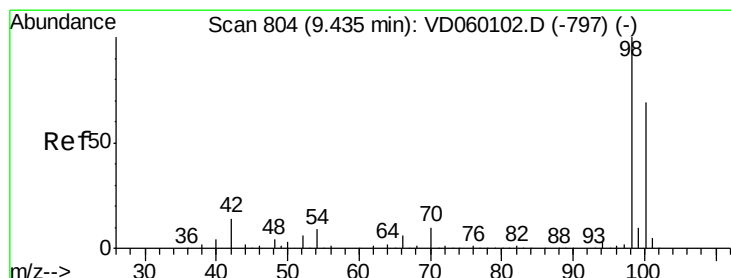
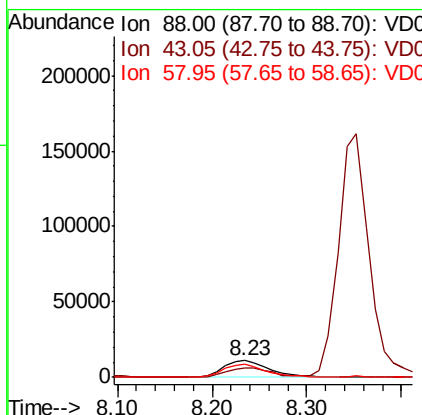
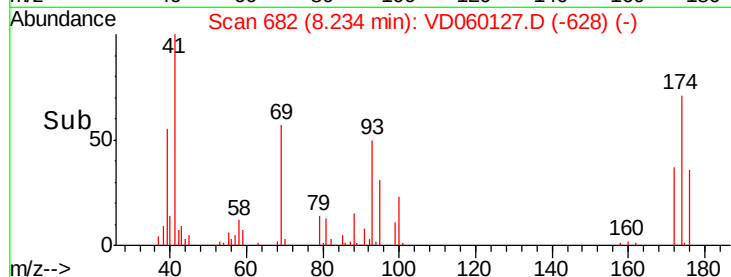
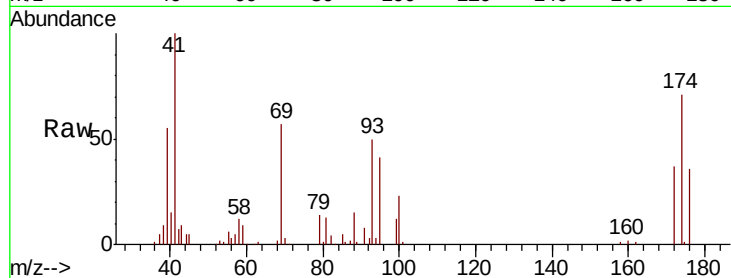
#49
1,4-Dioxane
Concen: 369.995 ug/l
RT: 8.23 min Scan# 682
Delta R.T. 0.03 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 88 Resp: 37504
Ion Ratio Lower Upper
88 100
43 57.3 33.7 50.5#
58 81.2 49.1 73.7#

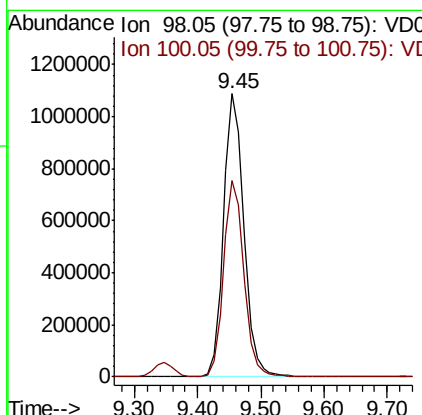
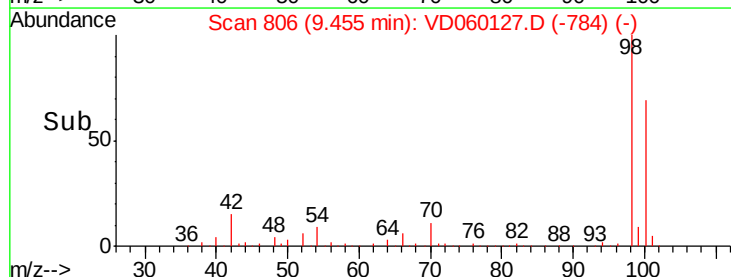
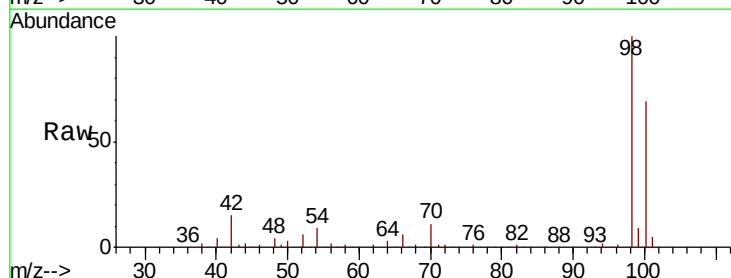
Manual Integrations
APPROVED

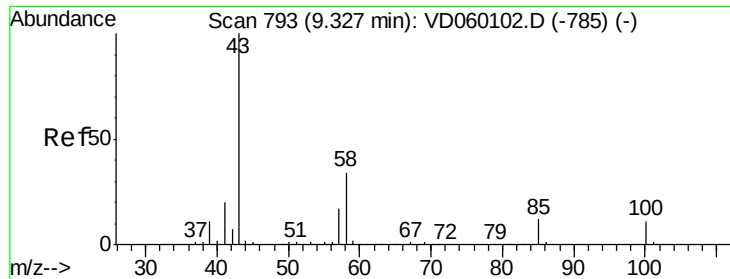
apatel
10/5/2018 12:20:18 PM



#50
Toluene-d8
Concen: 369.995 ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion: 98 Resp: 2436454
Ion Ratio Lower Upper
98 100
100 69.4 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 103.377 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 43 Resp: 1179259

Ion Ratio Lower Upper

43 100

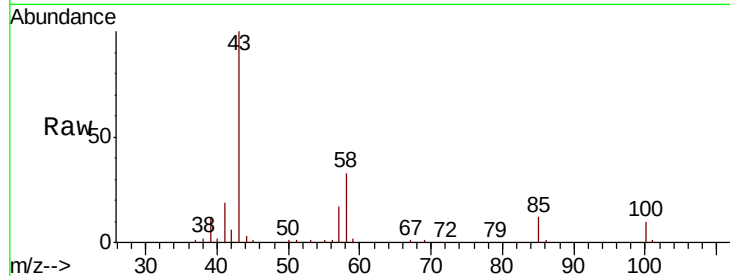
58 32.9 27.2 40.8

Manual Integrations

APPROVED

apatel

10/5/2018 12:20:18 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

600000

500000

400000

300000

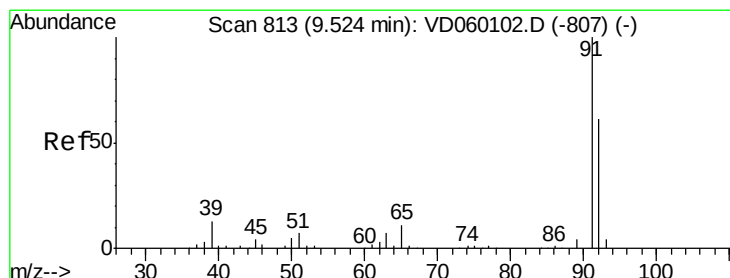
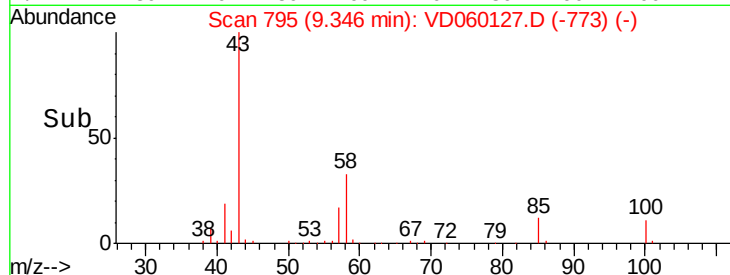
200000

100000

0

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 20.955 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060127.D

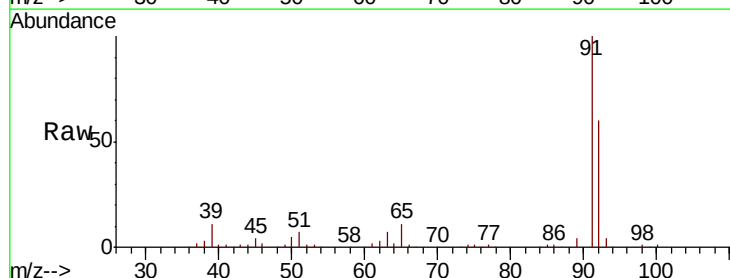
Acq: 4 Oct 2018 12:35

Tgt Ion: 92 Resp: 731243

Ion Ratio Lower Upper

92 100

91 167.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

300000

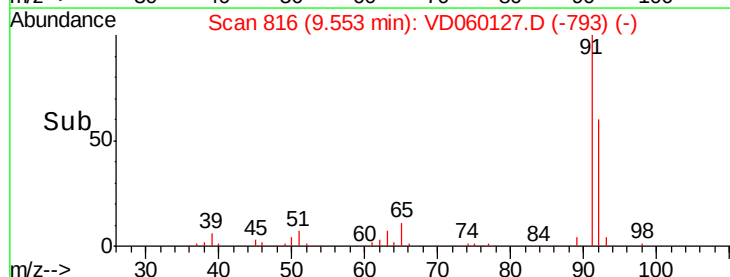
200000

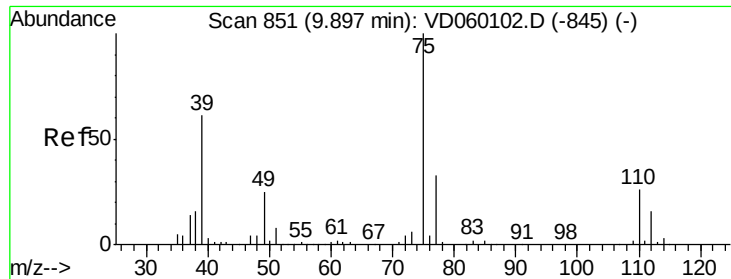
100000

0

9.40 9.50 9.60 9.70

Time-->





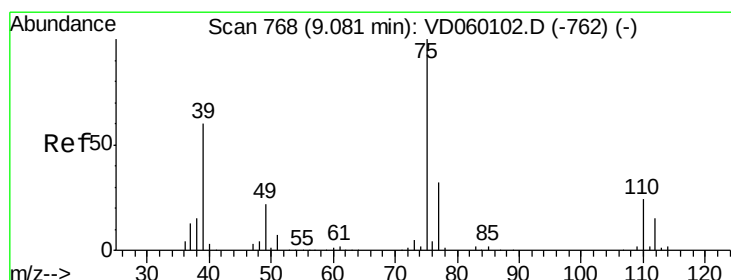
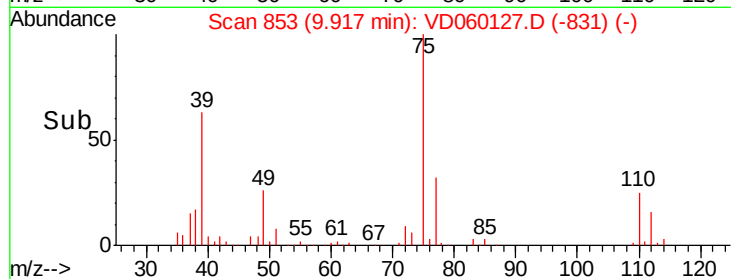
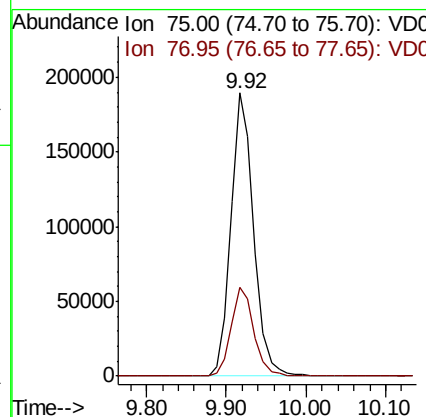
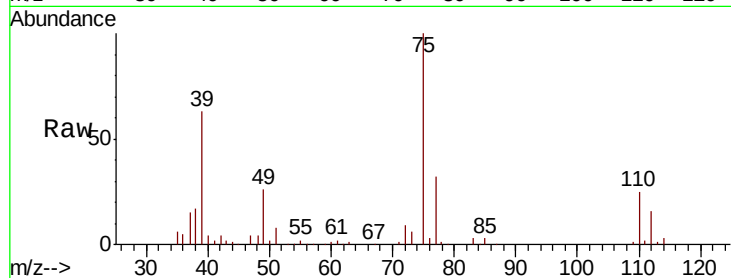
#53
 t-1,3-Dichloropropene
 Concen: 21.407 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion: 75 Resp: 379091
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.2 39.2

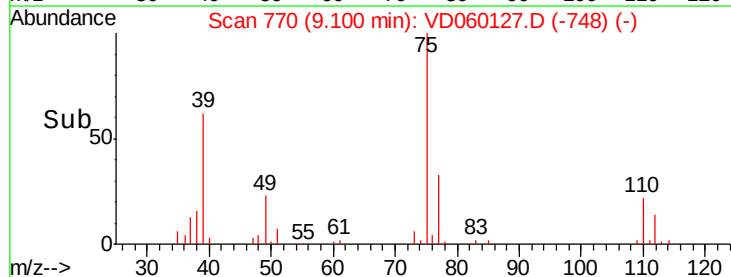
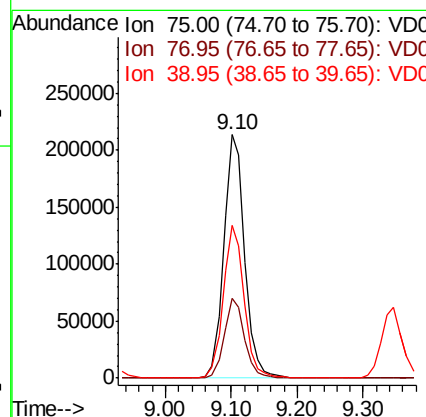
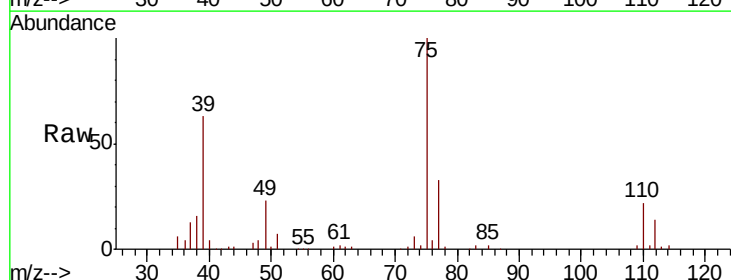
Manual Integrations
 APPROVED

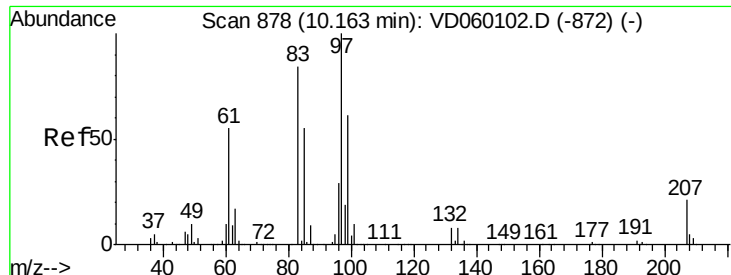
apatel
 10/5/2018 12:20:18 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.486 ug/l
 RT: 9.10 min Scan# 770
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion: 75 Resp: 469863
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.7 38.5
 39 62.8 48.2 72.4





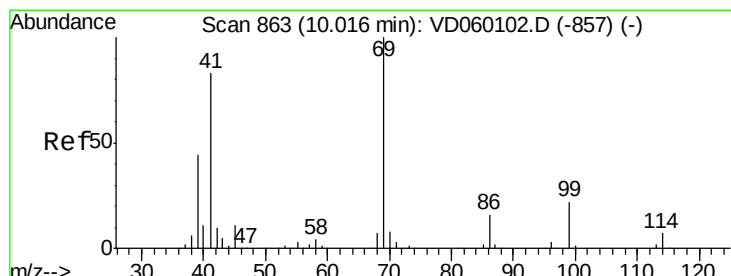
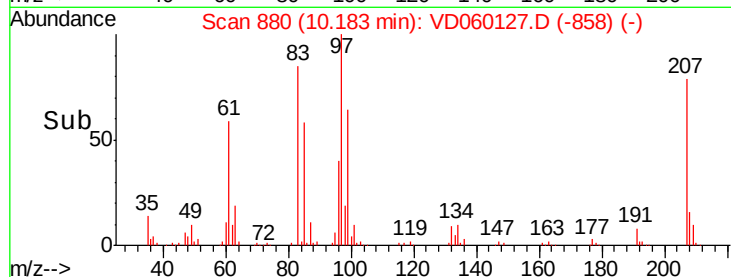
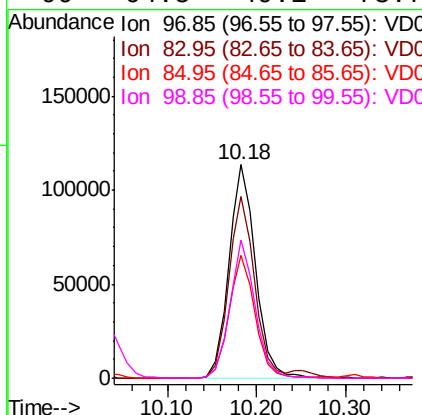
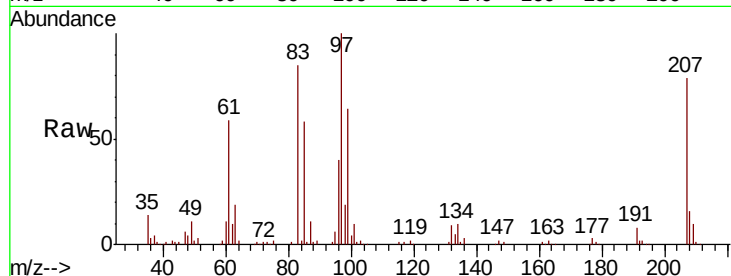
#55
 1,1,2-Trichloroethane
 Concen: 20.852 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion	97	Resp	237875
Ion Ratio	Lower	Upper	
97	100		
83	85.3	67.0	100.6
85	57.5	43.9	65.9
99	64.5	49.1	73.7

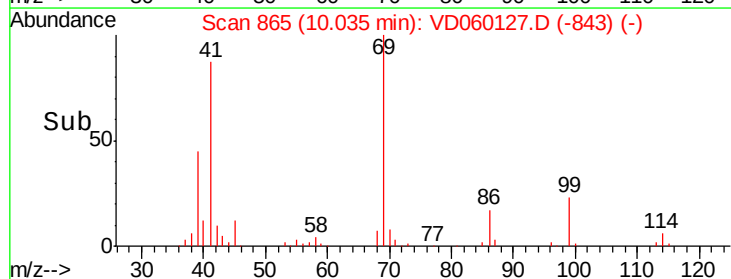
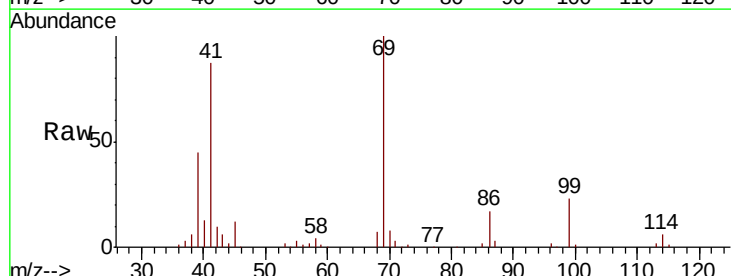
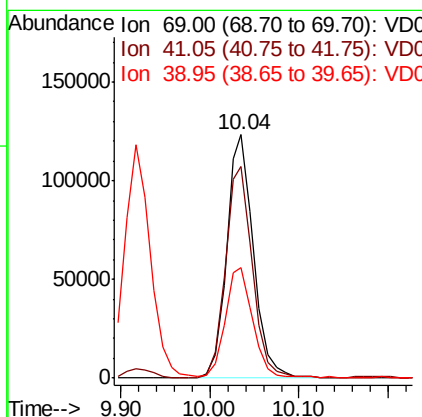
Manual Integrations
 APPROVED

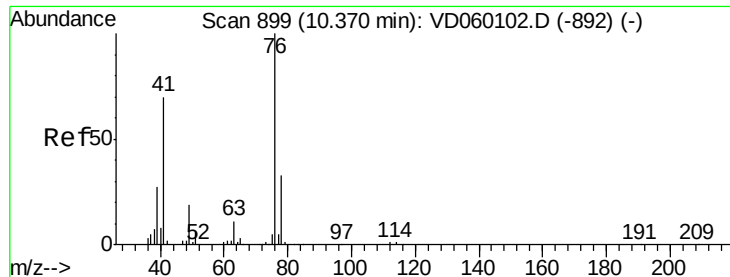
apatel
 10/5/2018 12:20:18 PM



#56
 Ethyl methacrylate
 Concen: 20.510 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion	69	Resp	258282
Ion Ratio	Lower	Upper	
69	100		
41	86.9	66.6	100.0
39	45.2	36.0	54.0





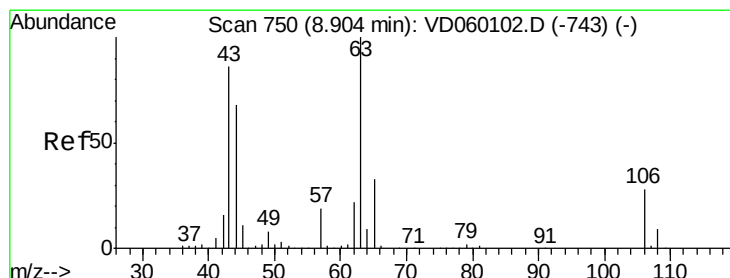
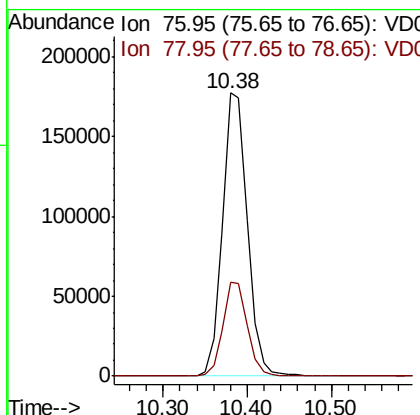
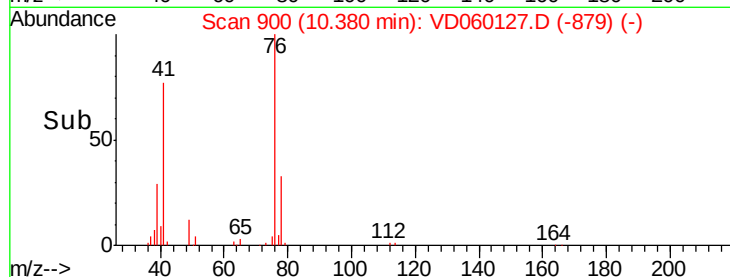
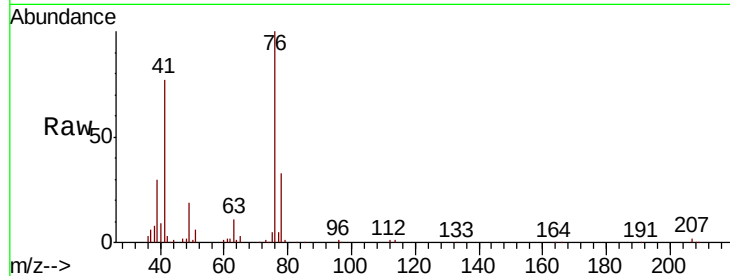
#57
 1,3-Dichloropropane
 Concen: 20.760 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion: 76 Resp: 361189
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.2 39.2

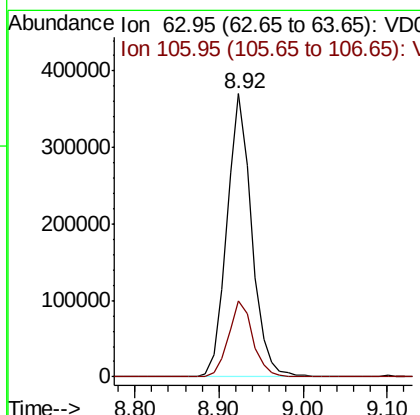
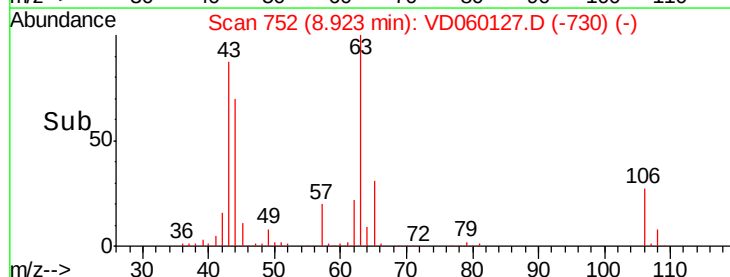
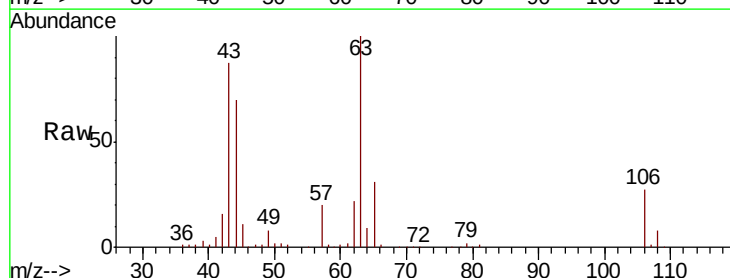
Manual Integrations
 APPROVED

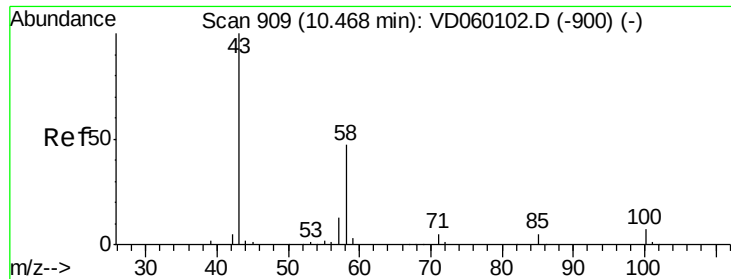
apatel
 10/5/2018 12:20:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.260 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion: 63 Resp: 757047
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.6 34.0





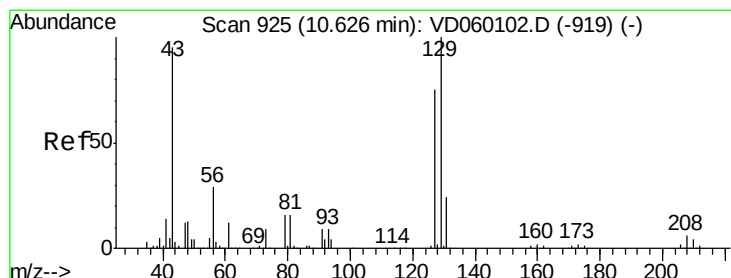
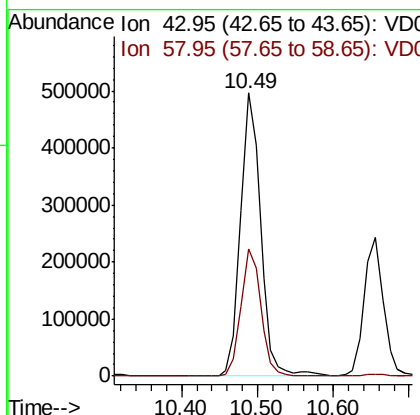
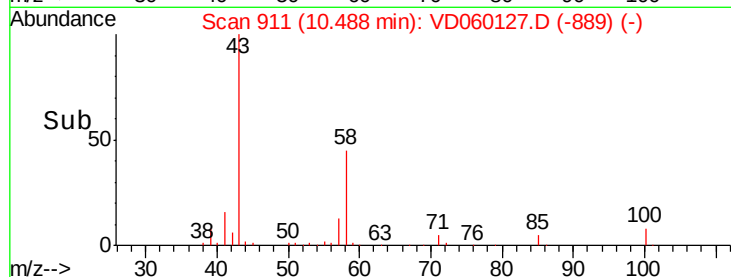
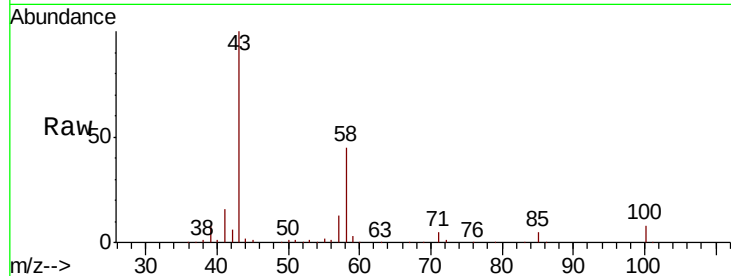
#59
2-Hexanone
Concen: 111.497 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 43 Resp: 914584
Ion Ratio Lower Upper
43 100
58 45.2 23.3 69.9

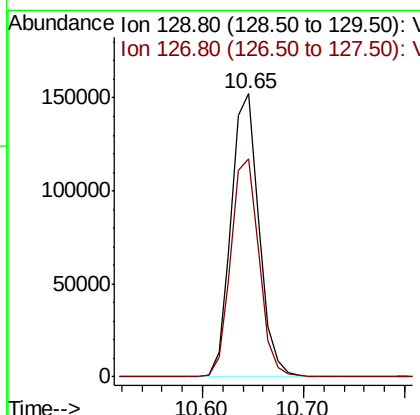
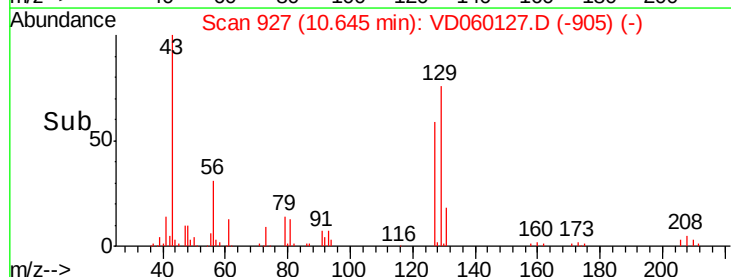
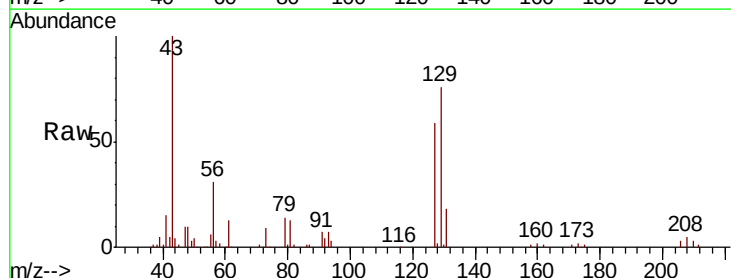
Manual Integrations
APPROVED

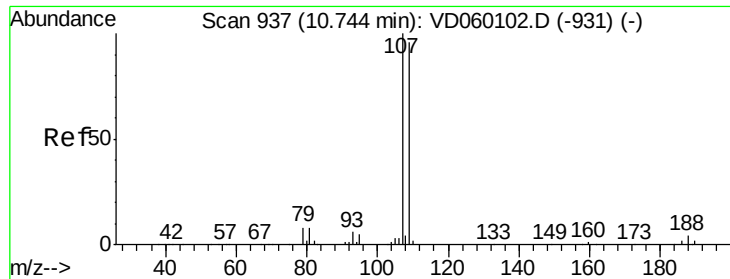
apatel
10/5/2018 12:20:18 PM



#60
Dibromochloromethane
Concen: 20.873 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion:129 Resp: 292160
Ion Ratio Lower Upper
129 100
127 77.3 37.4 112.2





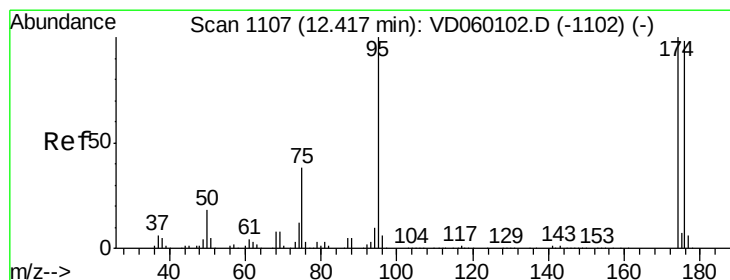
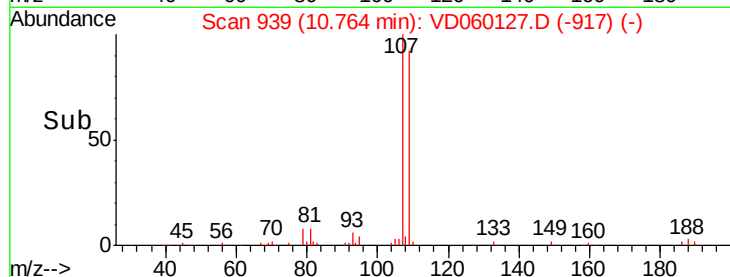
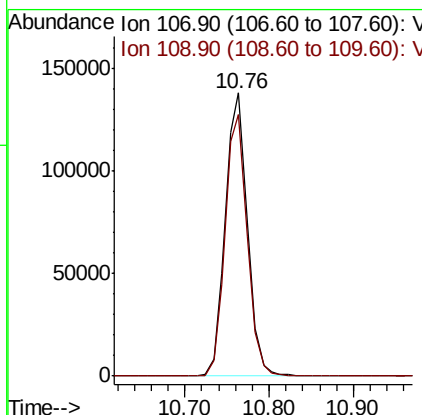
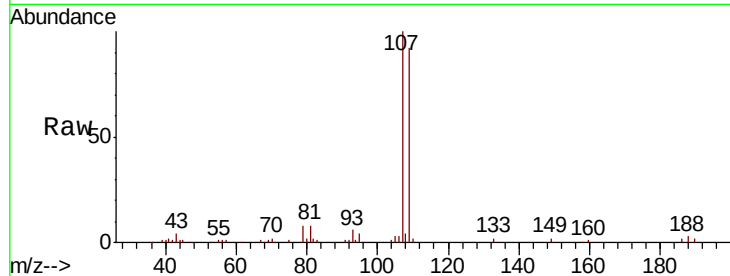
#61
 1,2-Dibromoethane
 Concen: 20.703 ug/l
 RT: 10.76 min Scan# 939
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	77.1	115.7

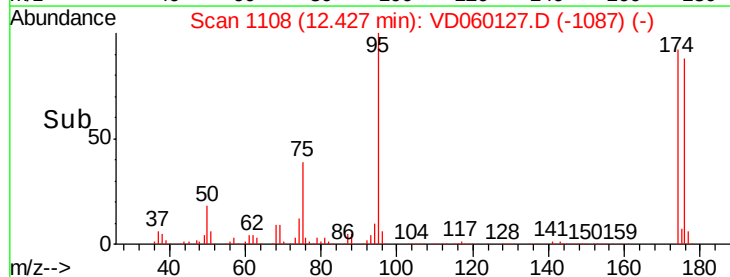
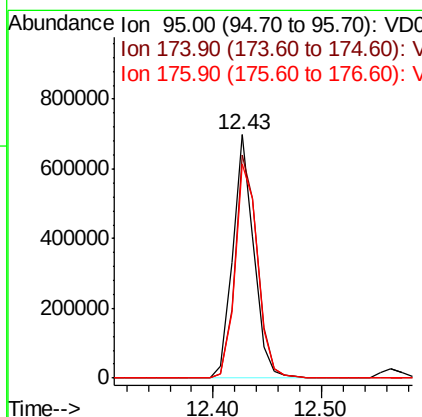
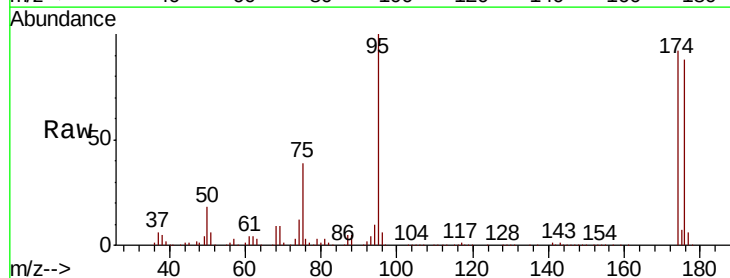
Manual Integrations
 APPROVED

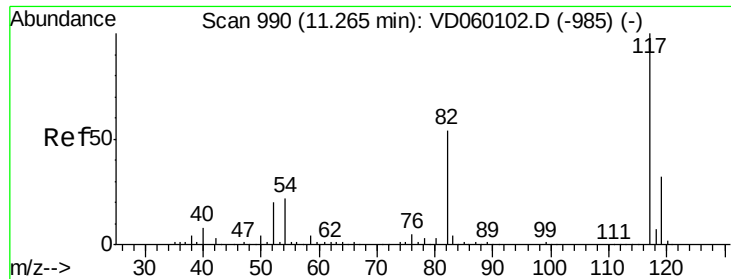
apatel
 10/5/2018 12:20:18 PM



#62
 4-Bromofluorobenzene
 Concen: 20.703 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	200.2
176	88.2	0.0	195.6





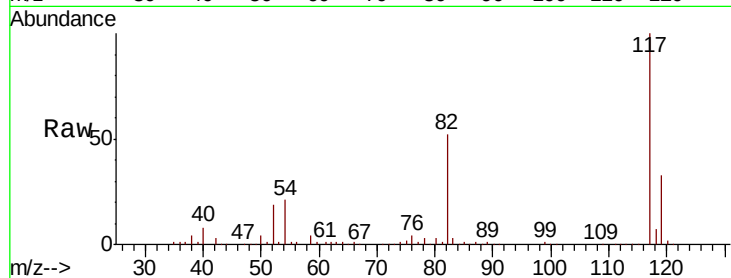
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

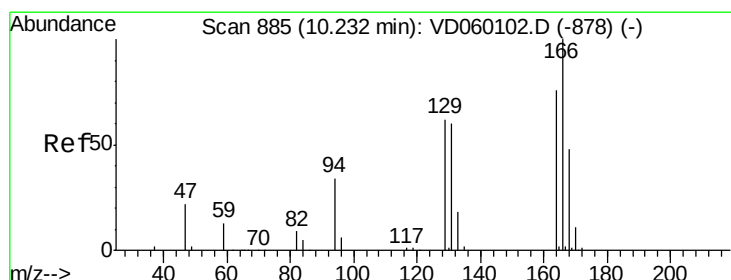
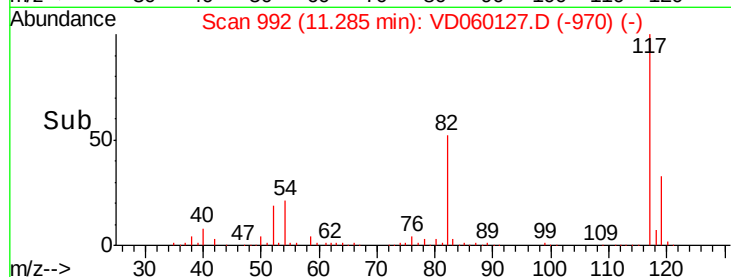
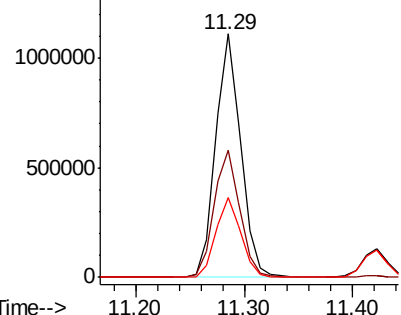
Tot Ion:117 Resp: 1797359
Ion Ratio Lower Upper
117 100
82 52.1 43.4 65.2
119 32.6 26.0 39.0

Manual Integrations
APPROVED

apatel
10/5/2018 12:20:18 PM



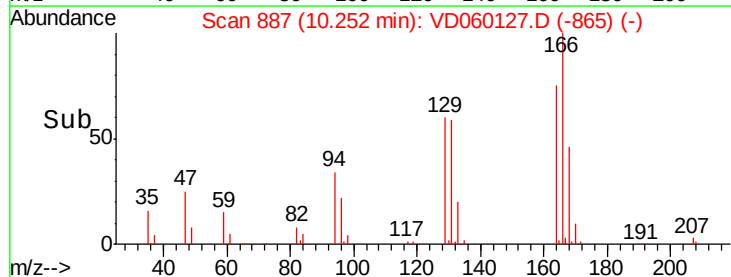
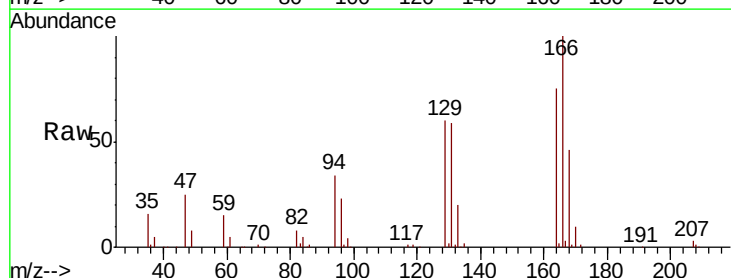
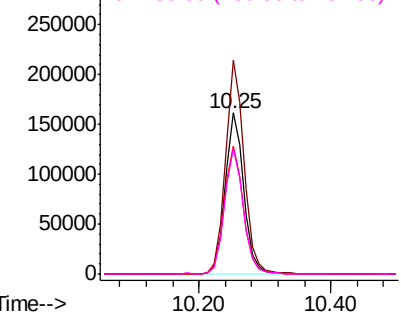
Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

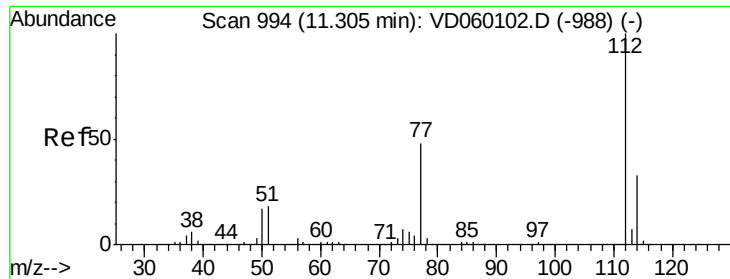


#64
Tetrachloroethene
Concen: 20.269 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion:164 Resp: 319073
Ion Ratio Lower Upper
164 100
166 132.9 105.4 158.0
129 79.5 65.7 98.5
131 78.2 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





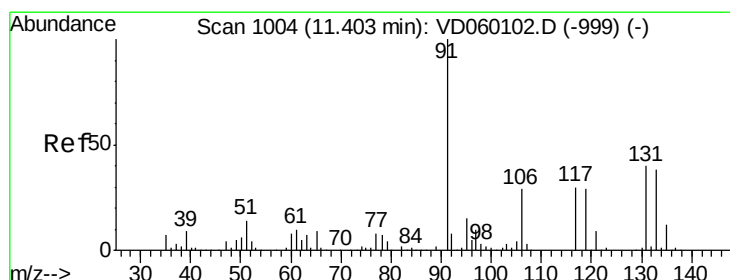
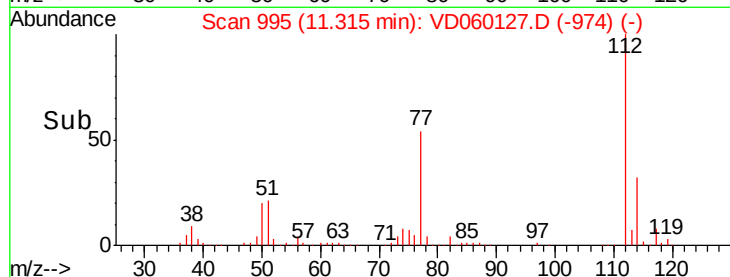
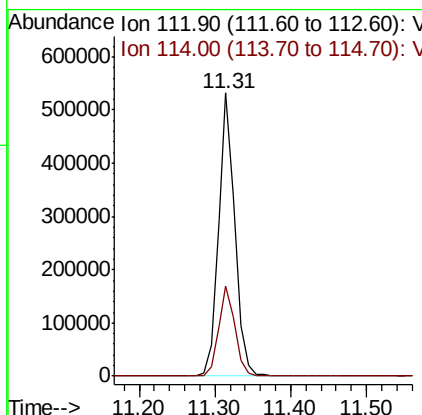
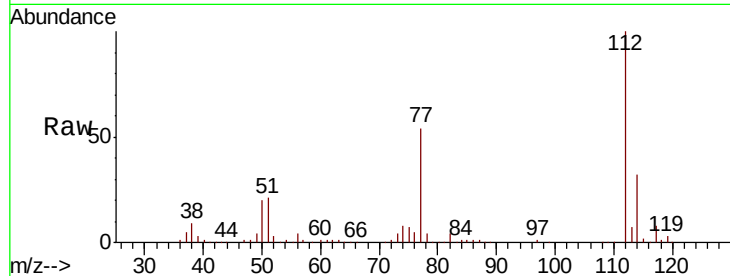
#65
Chlorobenzene
Concen: 20.614 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion:112 Resp: 801525
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0

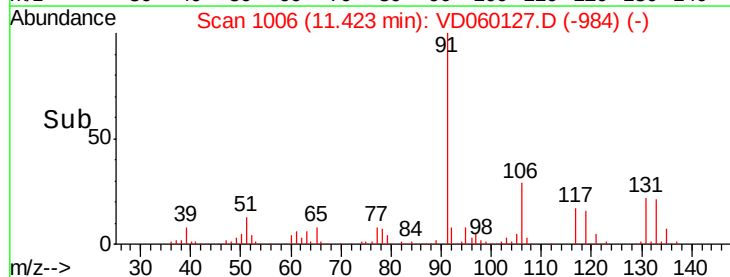
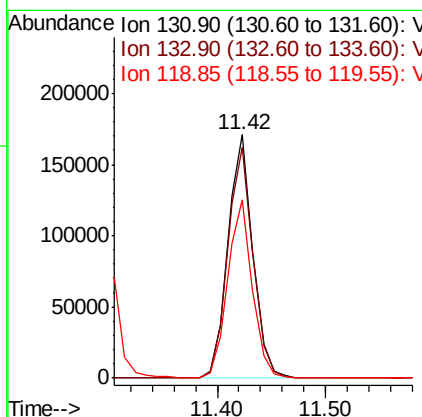
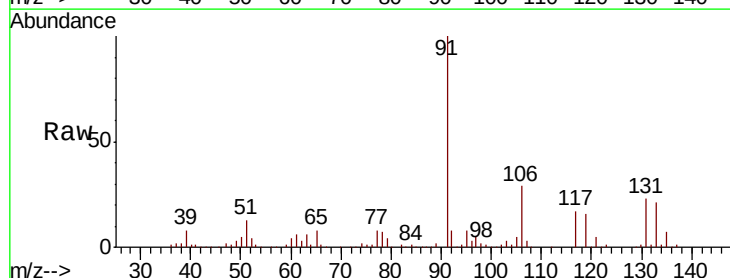
Manual Integrations
APPROVED

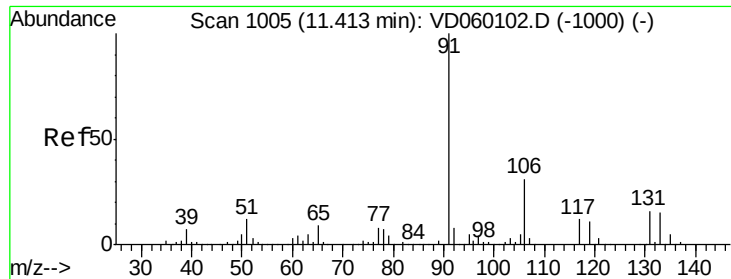
apatel
10/5/2018 12:20:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.045 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion:131 Resp: 272986
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.3
119 73.2 36.1 108.3





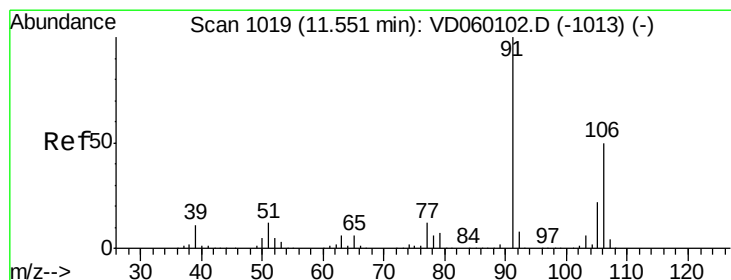
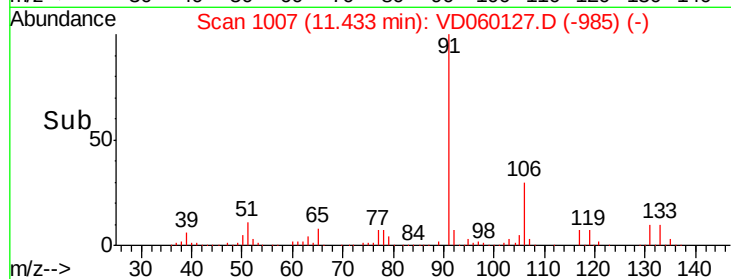
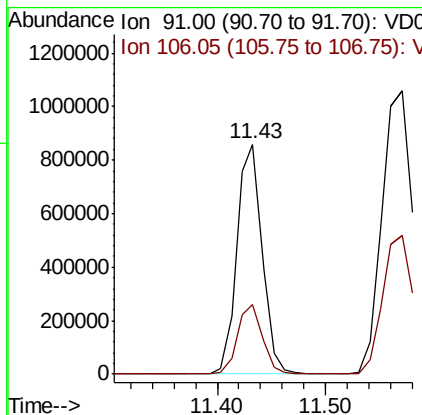
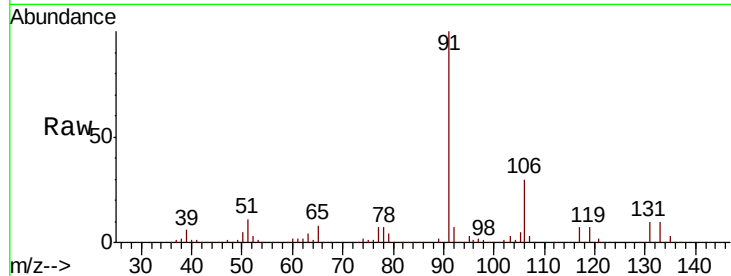
#67
Ethyl Benzene
Concen: 22.092 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 91 Resp: 1391780
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6

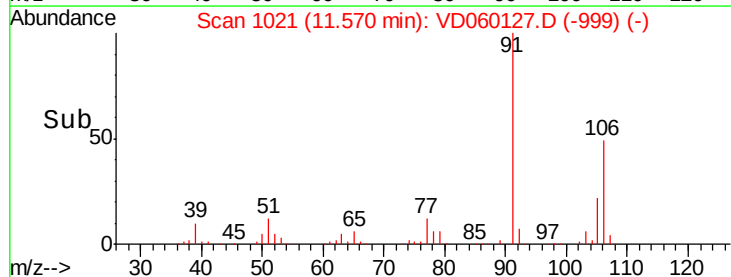
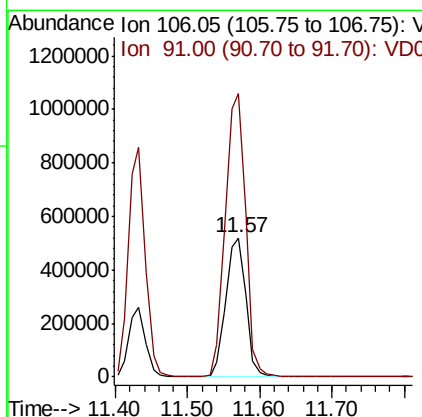
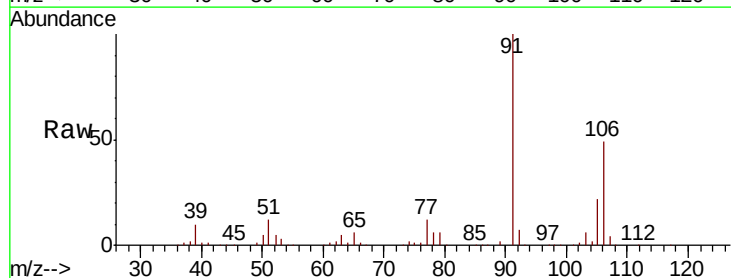
Manual Integrations
APPROVED

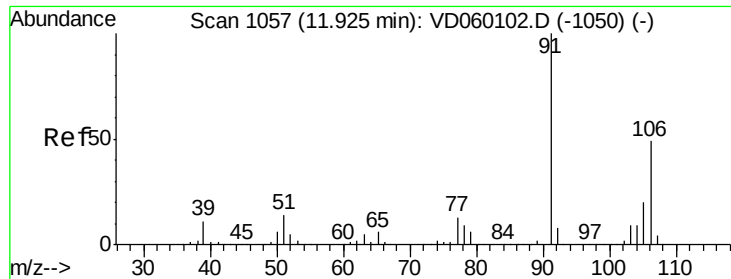
apatel
10/5/2018 12:20:18 PM



#68
m/p-Xylenes
Concen: 42.591 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion: 106 Resp: 1002522
Ion Ratio Lower Upper
106 100
91 203.7 160.0 240.0





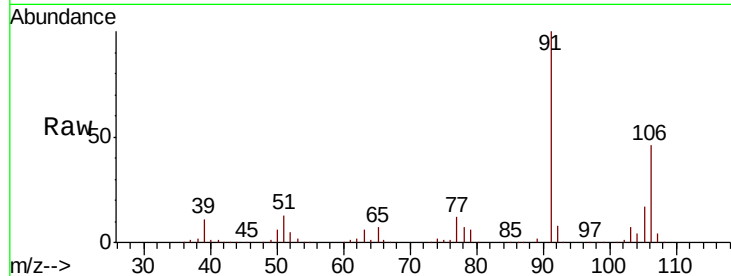
#69
o-Xylene
Concen: 20.999 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

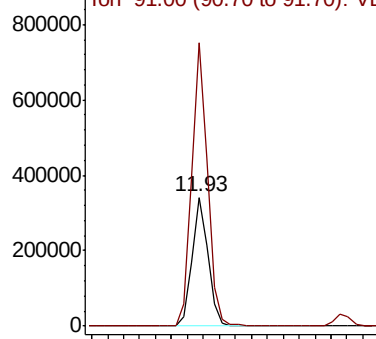
Tot Ion:106 Resp: 488923
Ion Ratio Lower Upper
106 100
91 219.5 102.5 307.5

Manual Integrations
APPROVED

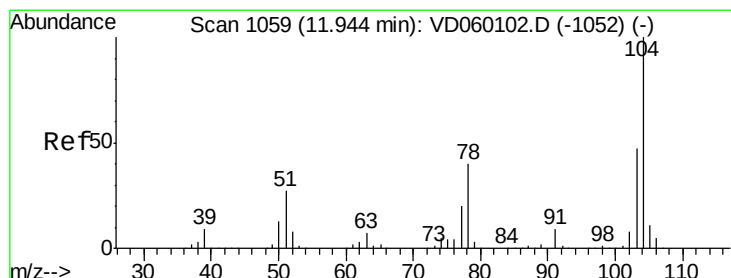
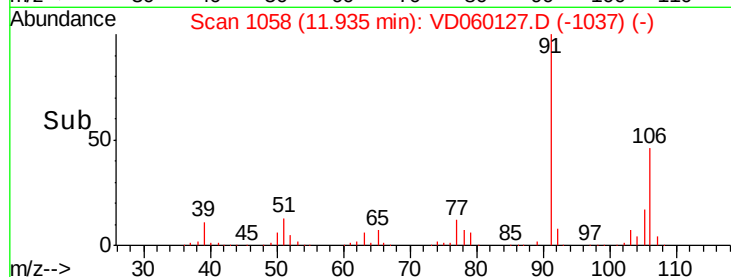
apatel
10/5/2018 12:20:18 PM



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

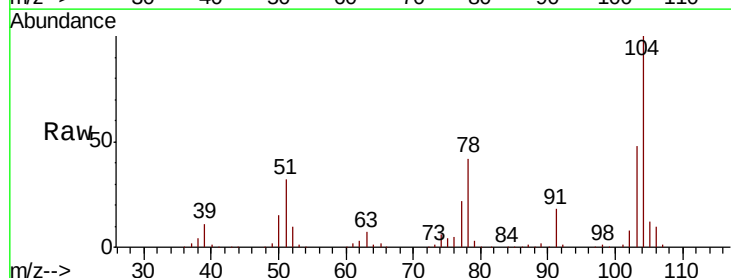


Time--> 11.80 11.90 12.00 12.10

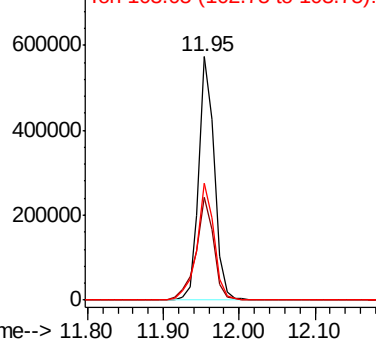


#70
Styrene
Concen: 20.965 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

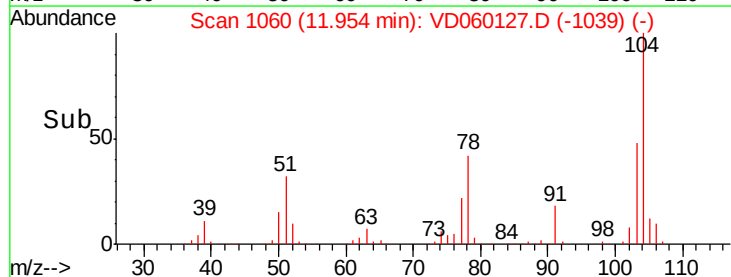
Tgt Ion:104 Resp: 816306
Ion Ratio Lower Upper
104 100
78 42.4 32.2 48.4
103 48.0 37.4 56.0

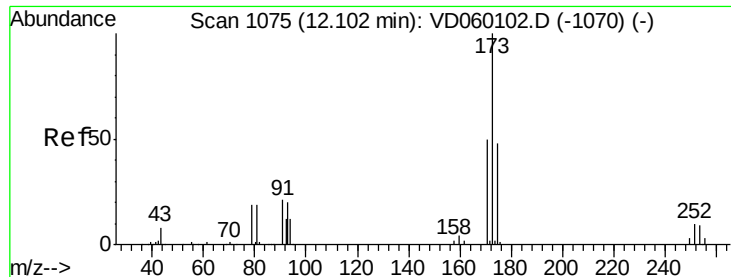


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time--> 11.80 11.90 12.00 12.10





#71

Bromoform

Concen: 19.746 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.02 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

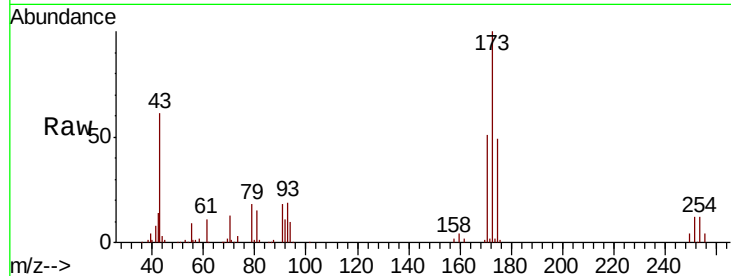
ClientSampleId :

VD1004SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.4
254	12.1	7.4	11.0

Manual Integrations
APPROVED

apatel
10/5/2018 12:20:18 PM

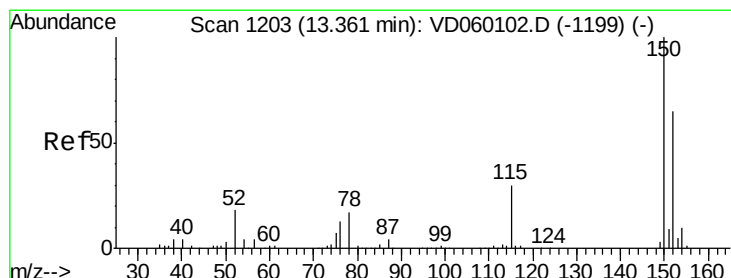
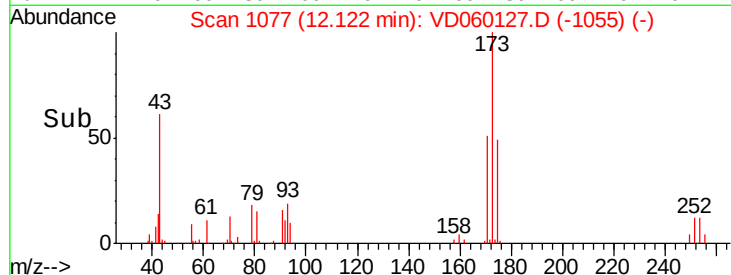
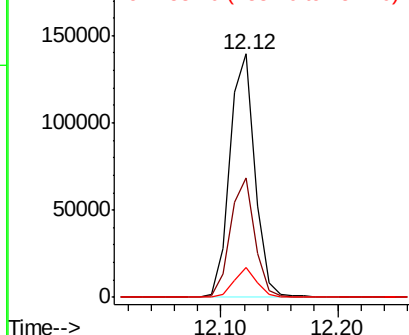


Abundance

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

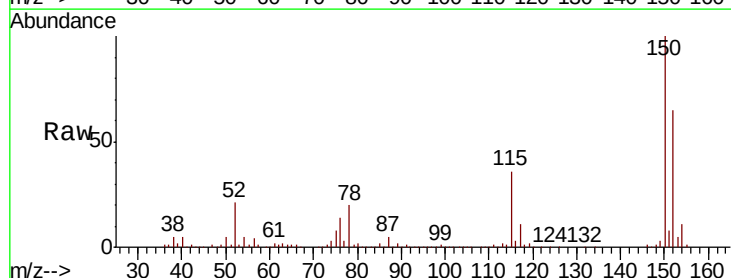
RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.1	81.2
150	154.9	0.0	311.8

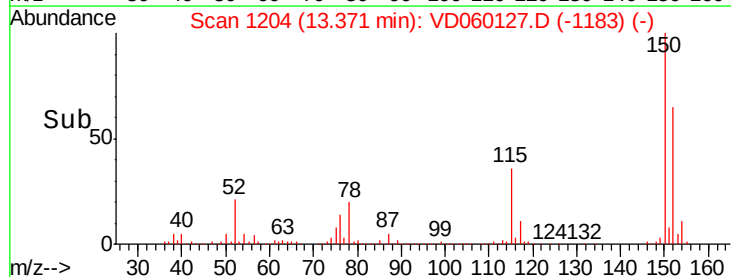
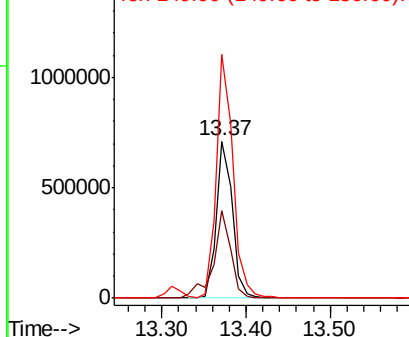


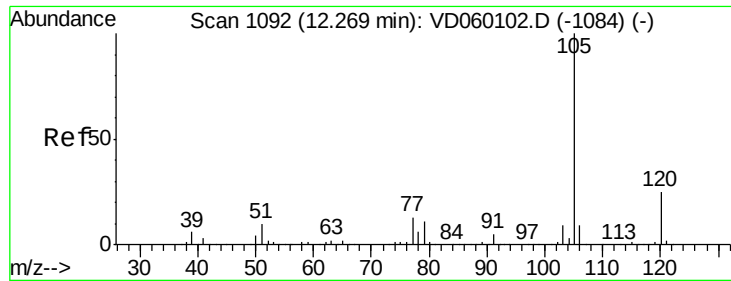
Abundance

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: 21.520 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion:105 Resp: 1337361

Ion Ratio Lower Upper

105 100

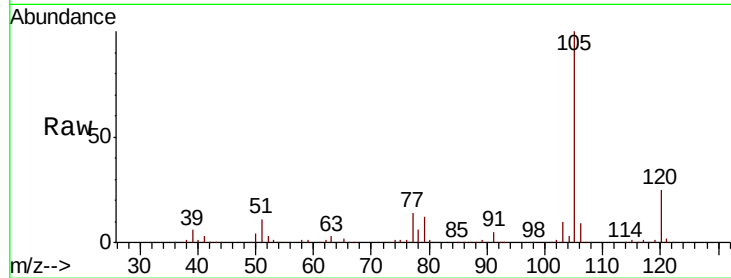
120 25.0 12.6 37.6

Manual Integrations

APPROVED

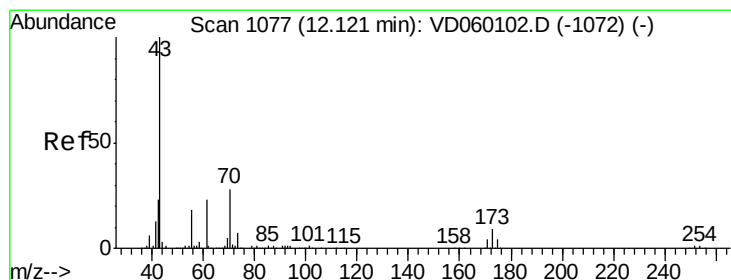
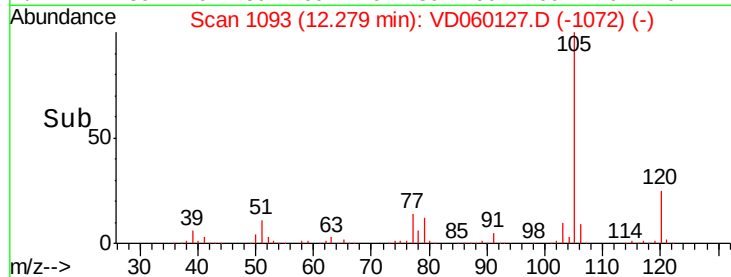
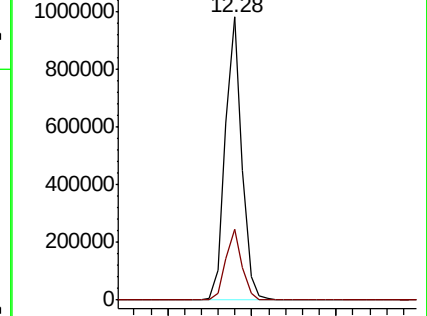
apatel

10/5/2018 12:20:18 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.233 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Tgt Ion: 43 Resp: 460563

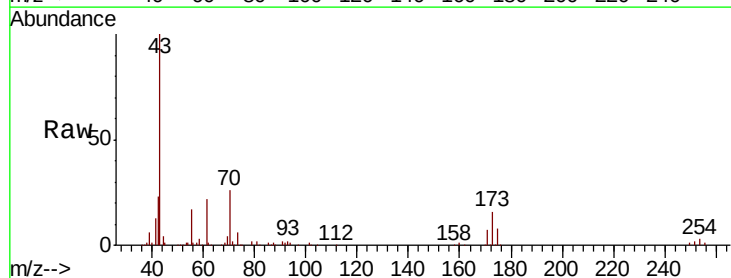
Ion Ratio Lower Upper

43 100

70 26.4 22.1 33.1

55 17.0 14.1 21.1

61 22.2 18.4 27.6

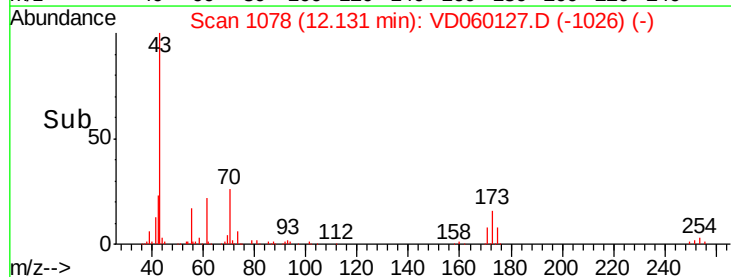
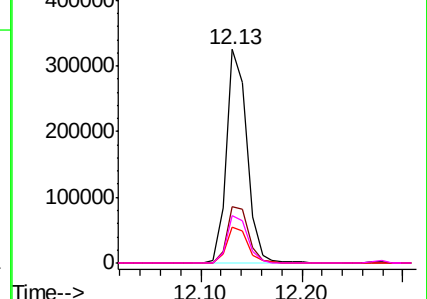


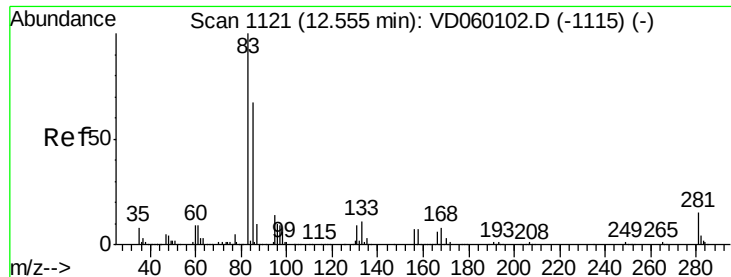
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.622 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

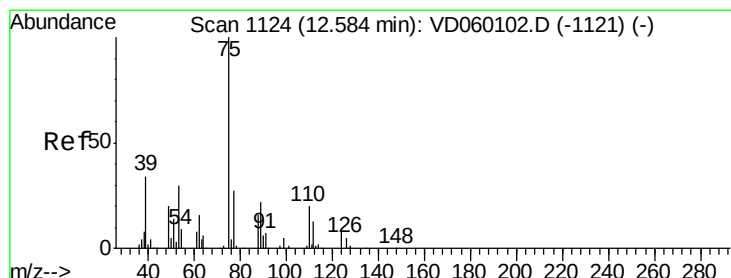
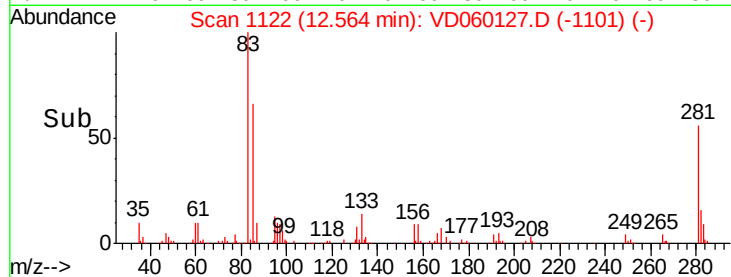
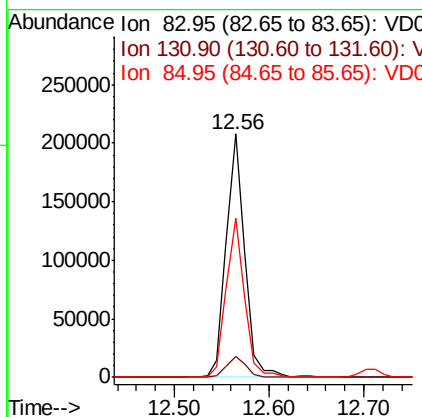
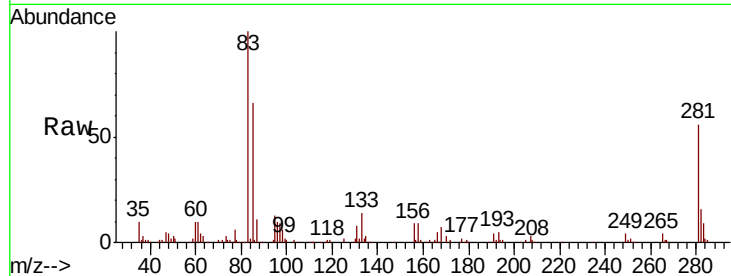
ClientSampleId :

VD1004SBS01

Tot Ion:	83	Resp:	279773
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.5	13.4
85	65.5	33.3	99.9

Manual Integrations
APPROVED

apatel
10/5/2018 12:20:18 PM



#76

1,2,3-Trichloropropane

Concen: 20.167 ug/l

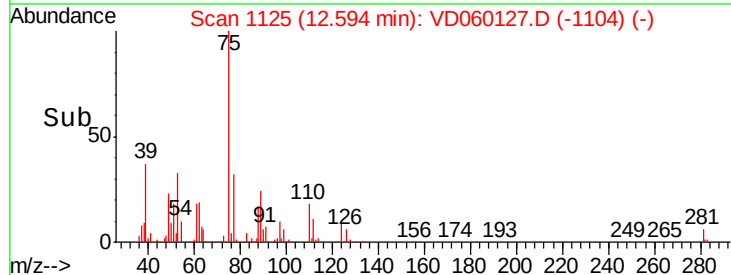
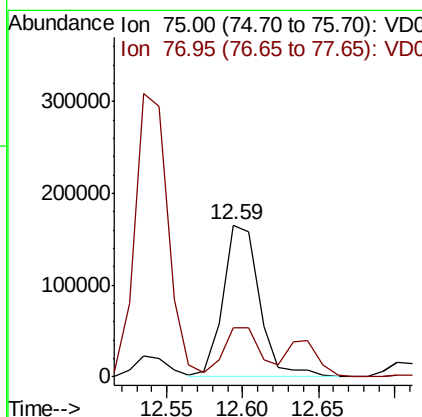
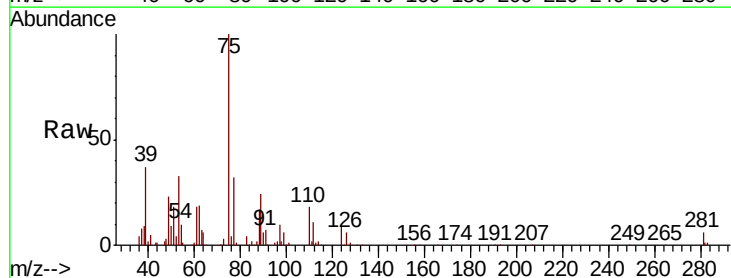
RT: 12.59 min Scan# 1125

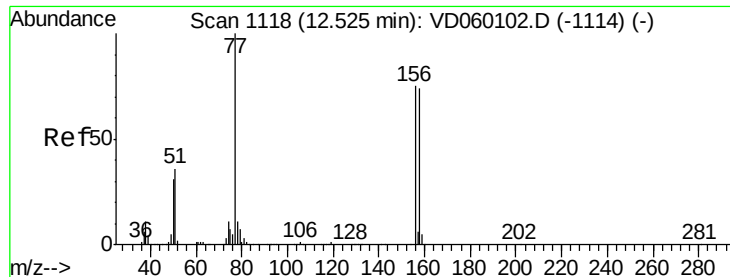
Delta R.T. 0.01 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Tgt Ion:	75	Resp:	273580
Ion Ratio	Lower	Upper	
75	100		
77	32.2	16.3	48.9





#77

Bromobenzene

Concen: 20.838 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

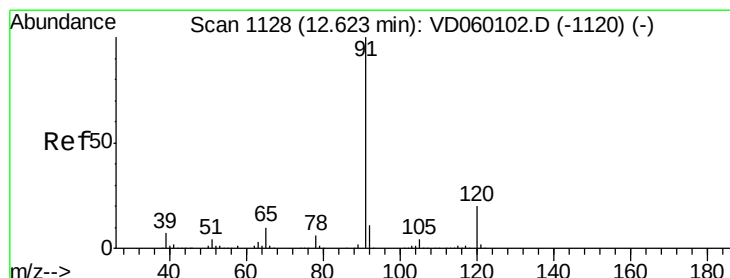
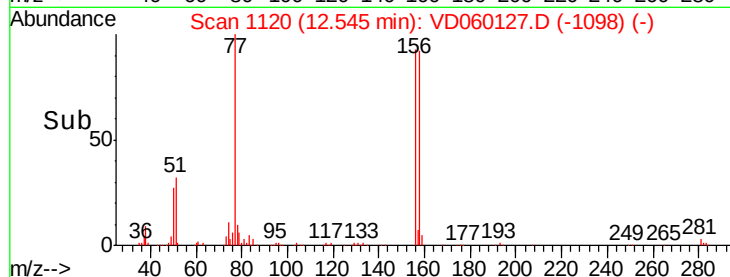
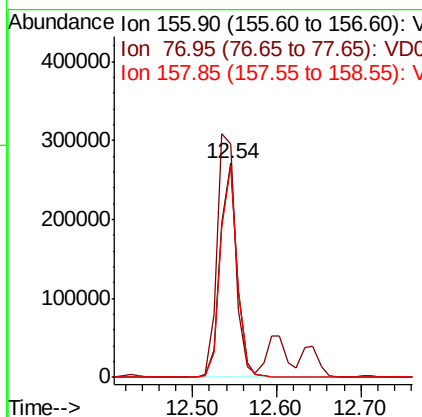
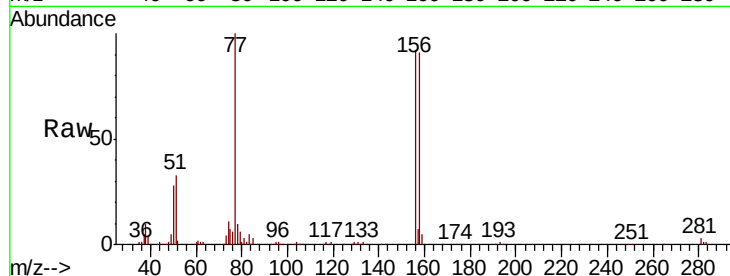
ClientSampleId :

VD1004SBS01

Tot Ion:	156	Resp:	376307
Ion Ratio	Lower	Upper	
156	100		
77	109.1	66.9	200.7
158	99.0	49.1	147.4

Manual Integrations
APPROVED

apatel
10/5/2018 12:20:18 PM



#78

n-propylbenzene

Concen: 22.157 ug/l

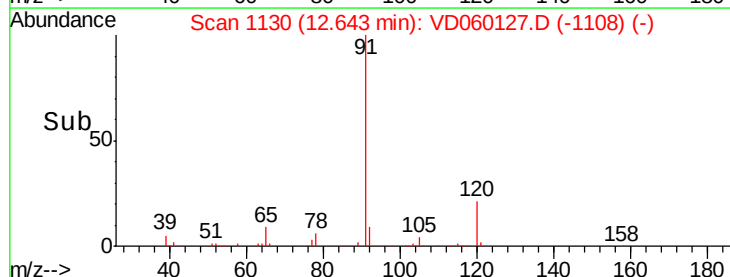
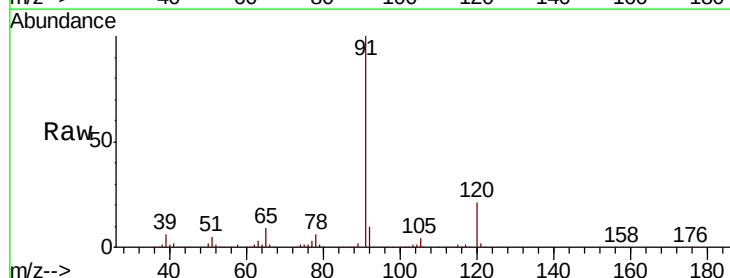
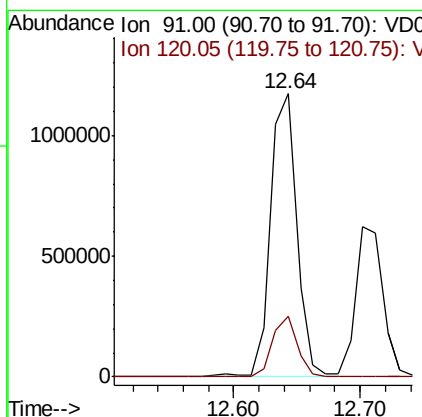
RT: 12.64 min Scan# 1130

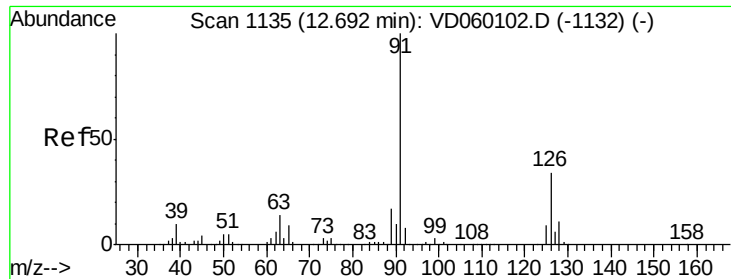
Delta R.T. 0.02 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Tgt Ion:	91	Resp:	1709764
Ion Ratio	Lower	Upper	
91	100		
120	21.3	10.0	30.0





#79

2-Chlorotoluene

Concen: 21.703 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 91 Resp: 929458

Ion Ratio Lower Upper

91 100

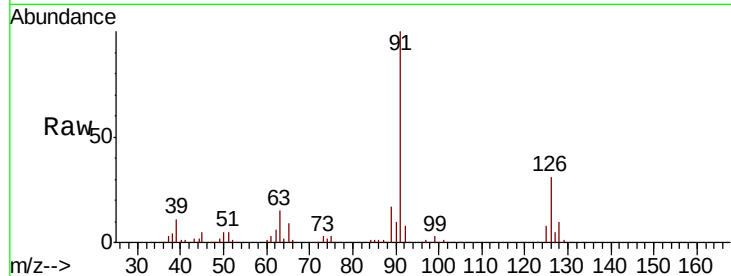
126 30.8 16.8 50.3

Manual Integrations

APPROVED

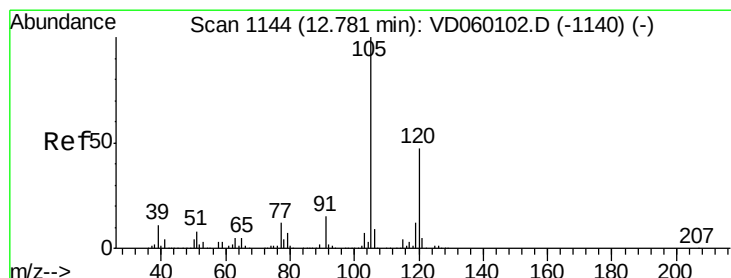
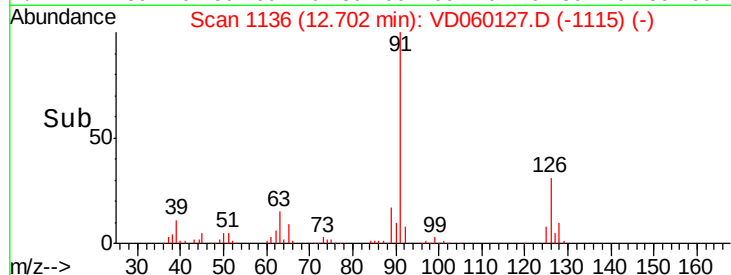
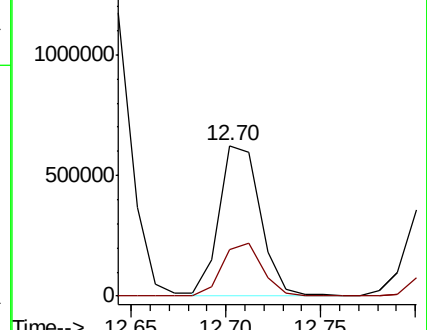
apatel

10/5/2018 12:20:18 PM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.672 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060127.D

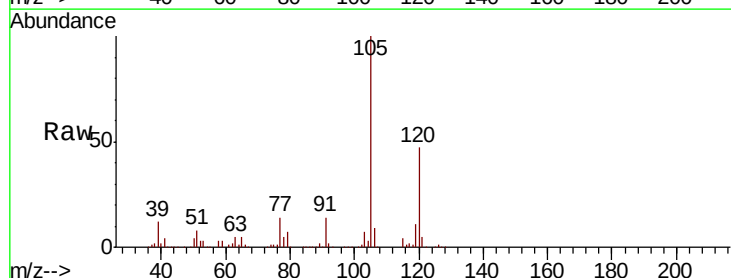
Acq: 4 Oct 2018 12:35

Tgt Ion: 105 Resp: 1042359

Ion Ratio Lower Upper

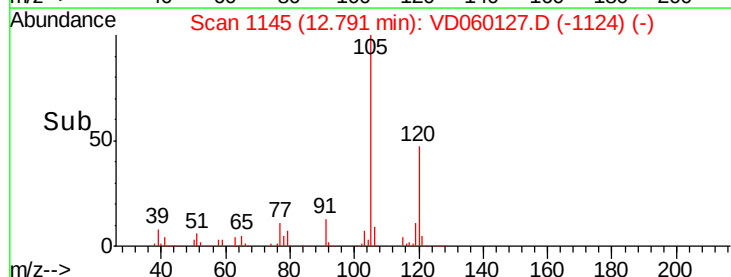
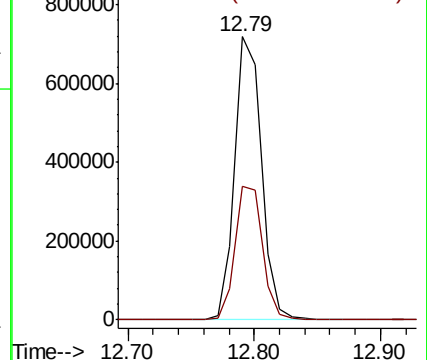
105 100

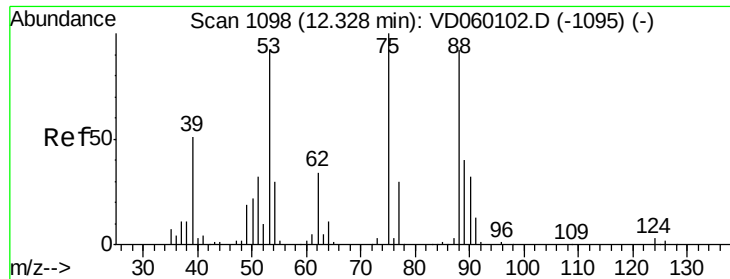
120 47.2 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





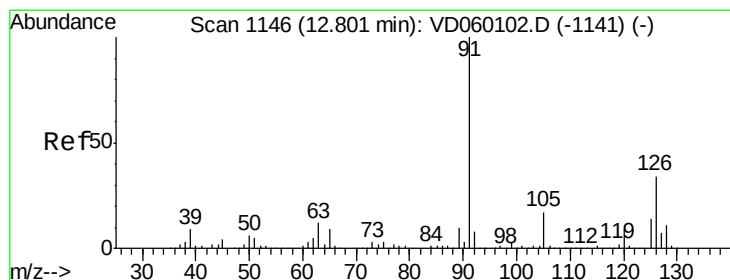
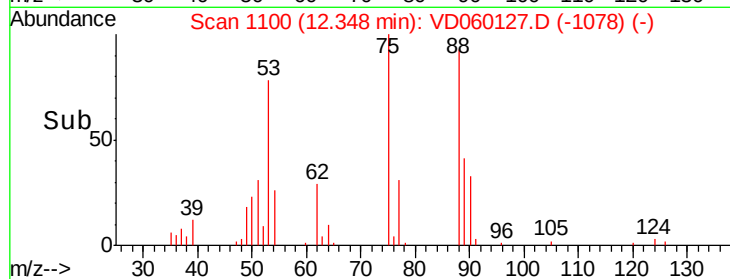
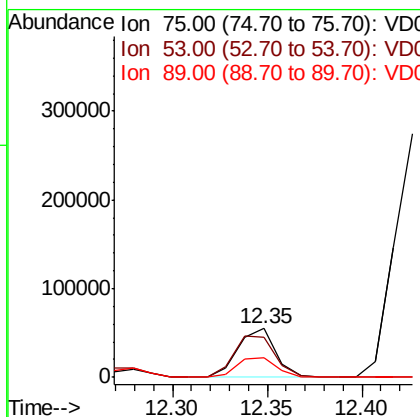
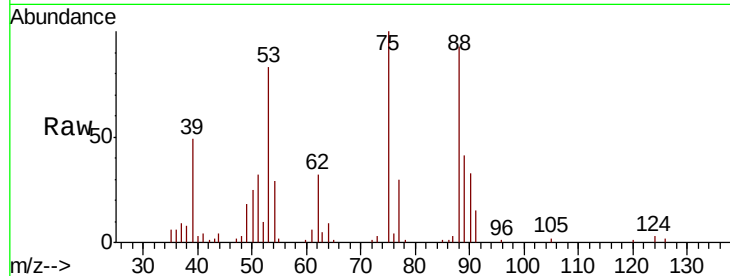
#81
trans-1,4-Dichloro-2-butene
Concen: 19.899 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.9	73.0	109.6
89	40.6	32.0	48.0

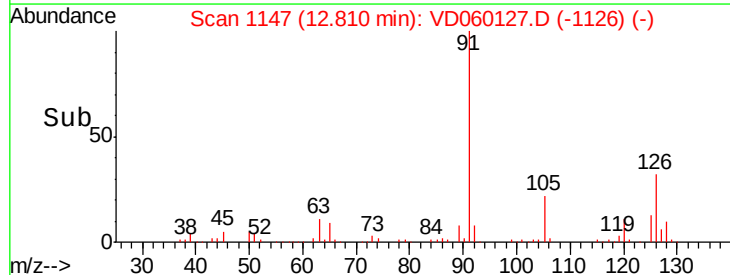
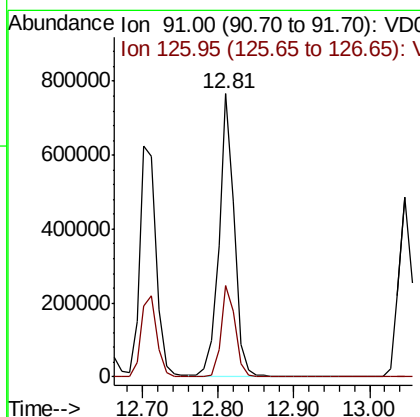
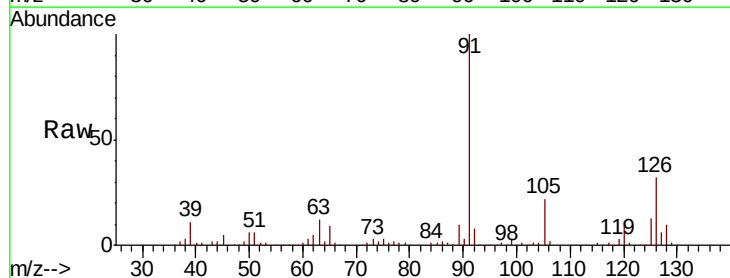
Manual Integrations
APPROVED

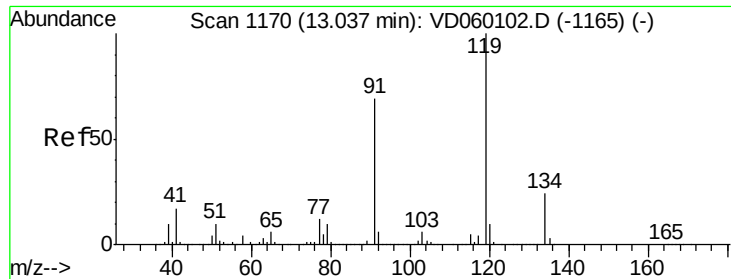
apatel
10/5/2018 12:20:18 PM



#82
4-Chlorotoluene
Concen: 22.364 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	17.1	51.2





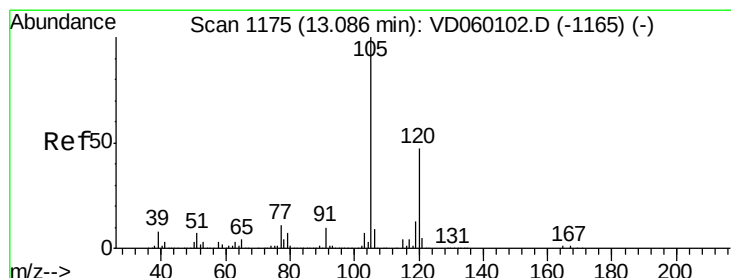
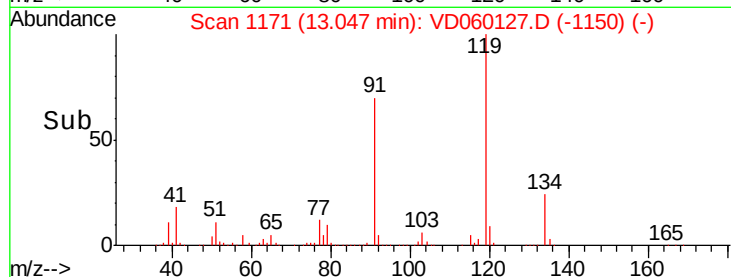
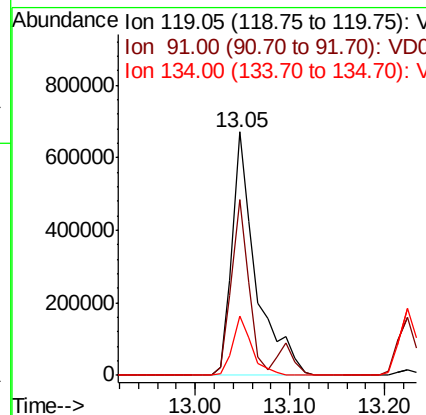
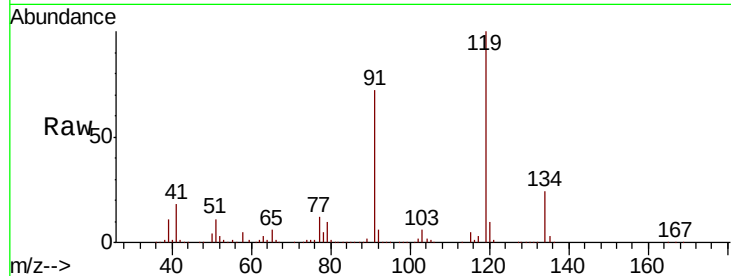
#83
 tert-Butylbenzene
 Concen: 21.390 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion:119 Resp: 1180574
 Ion Ratio Lower Upper
 119 100
 91 72.4 34.8 104.4
 134 24.3 11.8 35.4

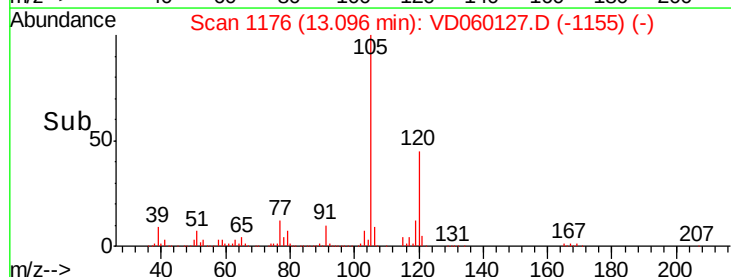
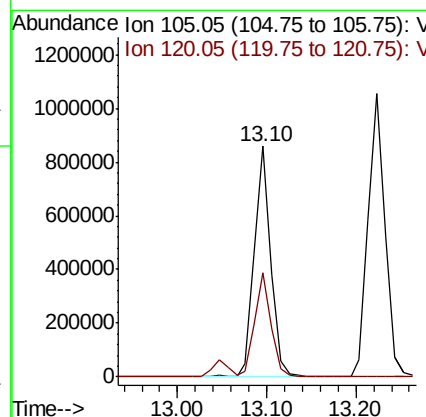
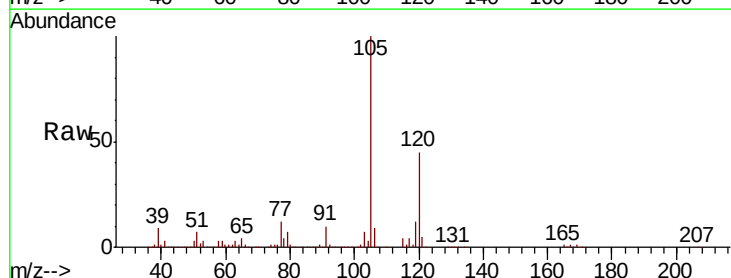
Manual Integrations
 APPROVED

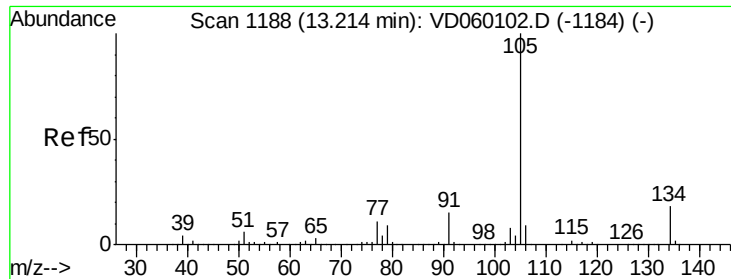
apatel
 10/5/2018 12:20:18 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.420 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion:105 Resp: 1085778
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.4 70.0





#85

sec-Butylbenzene

Concen: 20.960 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion:105 Resp: 1367828

Ion Ratio Lower Upper

105 100

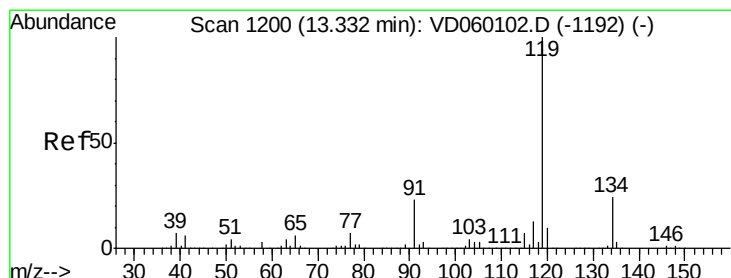
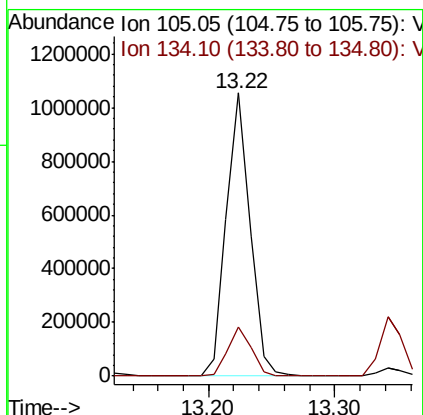
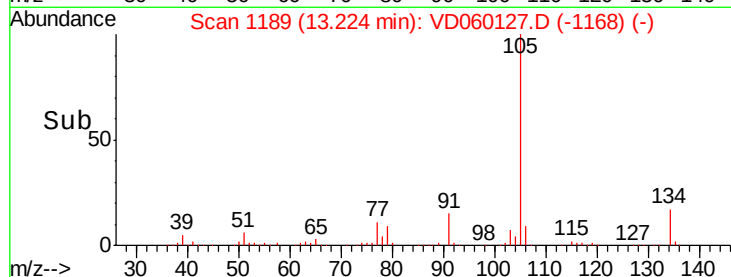
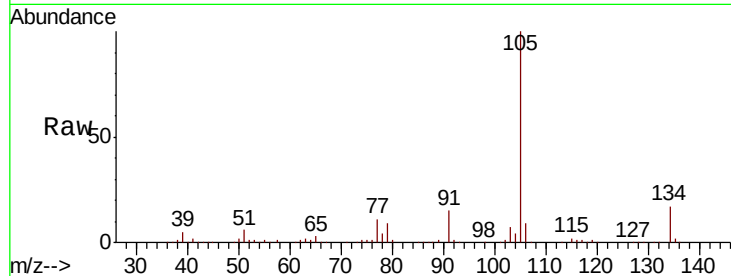
134 17.5 8.8 26.2

Manual Integrations

APPROVED

apatel

10/5/2018 12:20:18 PM



#86

p-Isopropyltoluene

Concen: 21.993 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060127.D

Acq: 4 Oct 2018 12:35

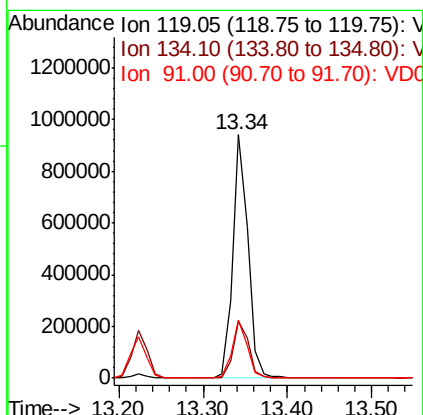
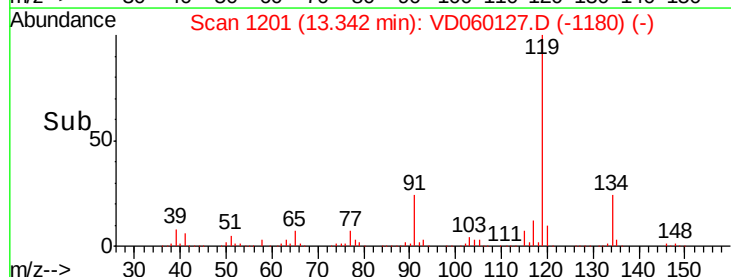
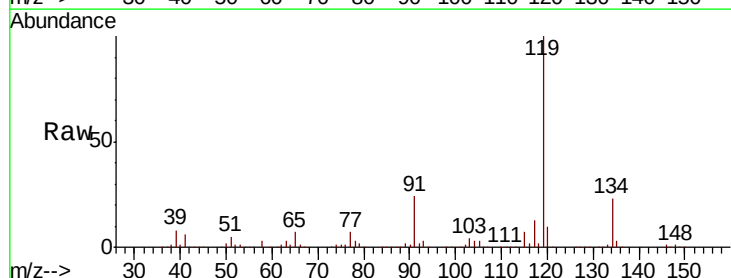
Tgt Ion:119 Resp: 1177167

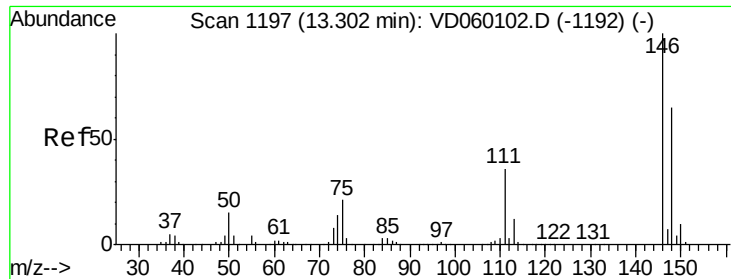
Ion Ratio Lower Upper

119 100

134 23.5 12.3 36.8

91 23.8 11.8 35.4





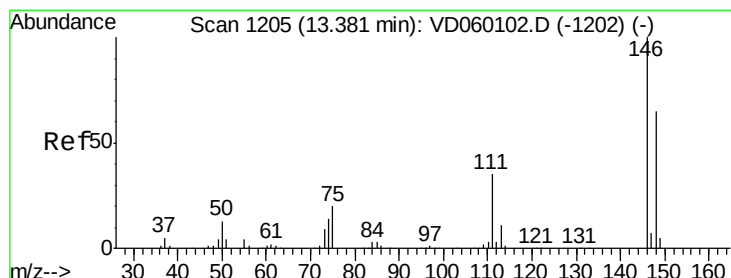
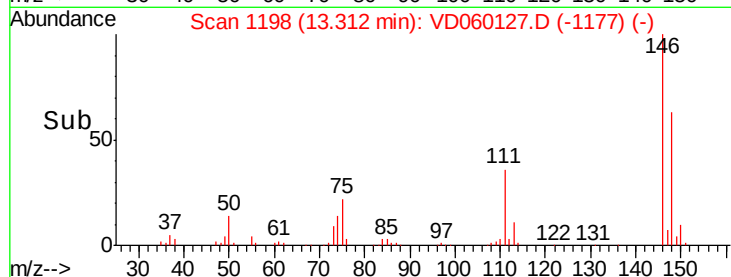
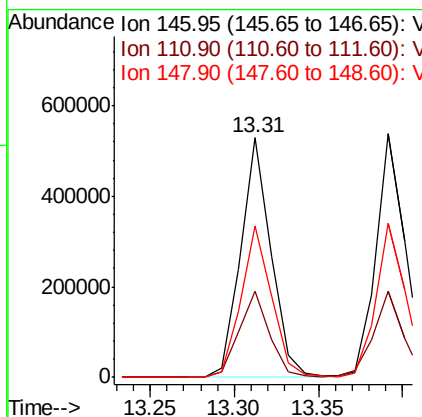
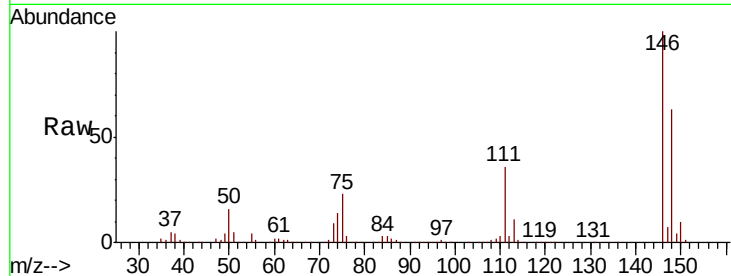
#87
 1,3-Dichlorobenzene
 Concen: 20.998 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.3
148	63.1	32.3	96.9

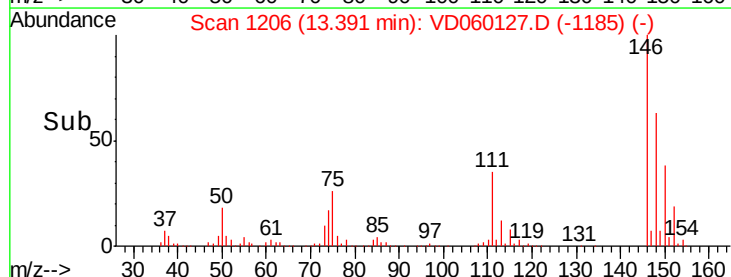
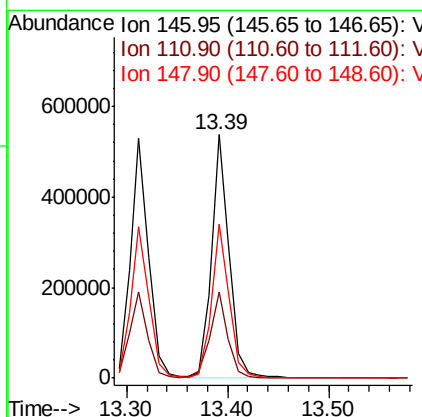
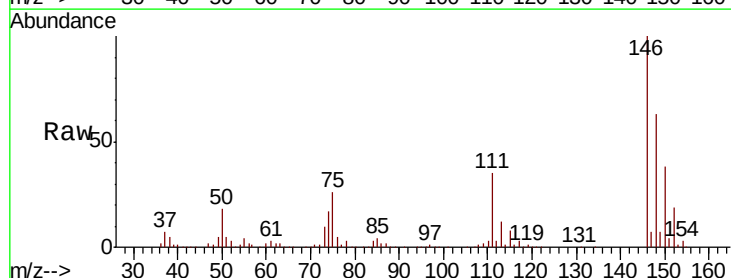
Manual Integrations
 APPROVED

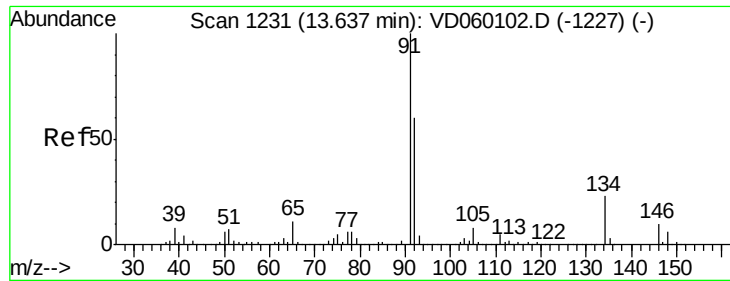
apatel
 10/5/2018 12:20:18 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.759 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.8	53.3
148	63.1	32.4	97.2





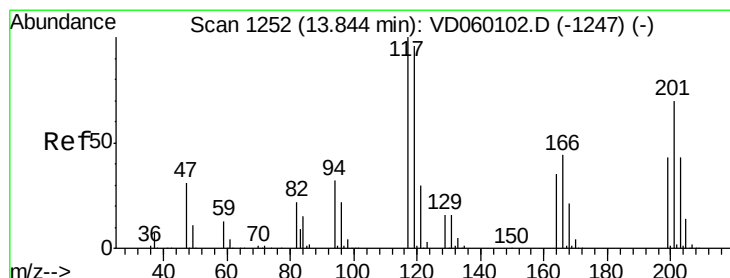
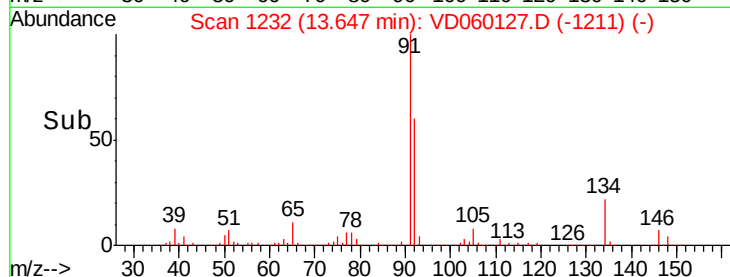
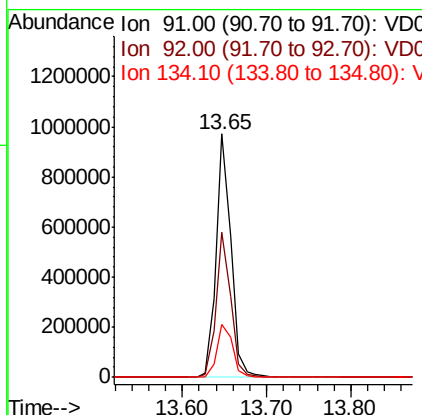
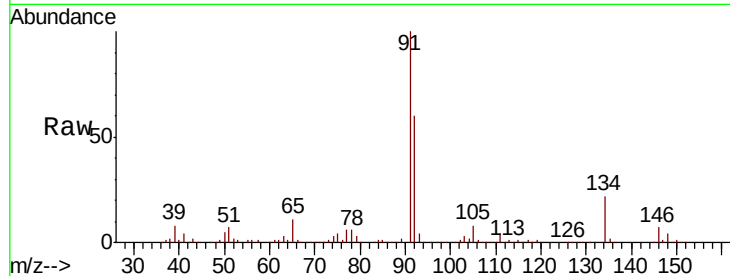
#89
n-Butylbenzene
Concen: 22.636 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 91 Resp: 1182210
Ion Ratio Lower Upper
91 100
92 59.5 30.1 90.3
134 21.6 11.6 34.7

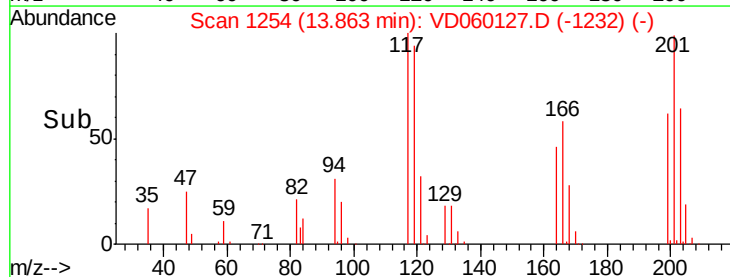
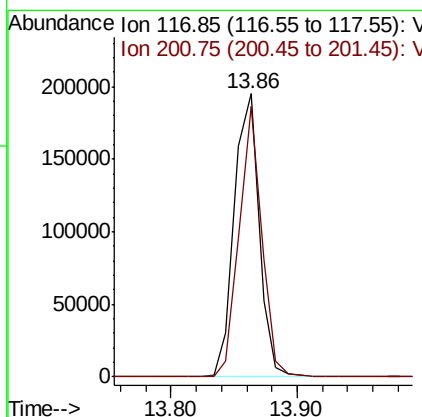
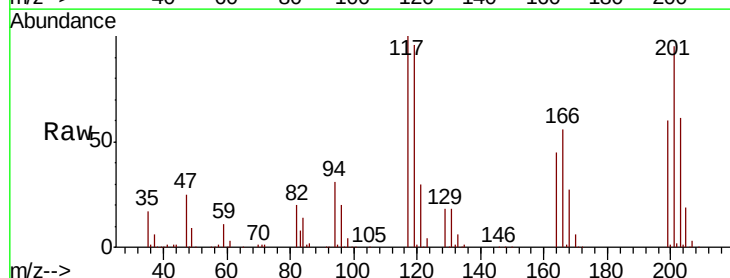
Manual Integrations
APPROVED

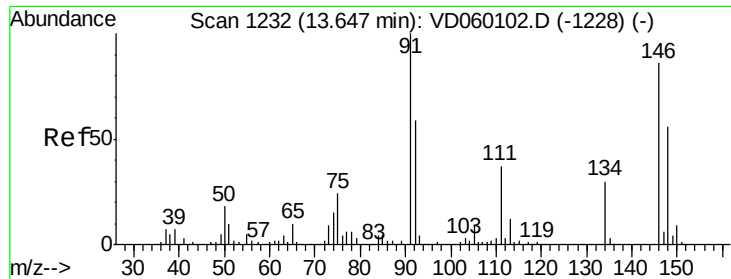
apatel
10/5/2018 12:20:18 PM



#90
Hexachloroethane
Concen: 21.436 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion: 117 Resp: 265545
Ion Ratio Lower Upper
117 100
201 95.4 34.8 104.5





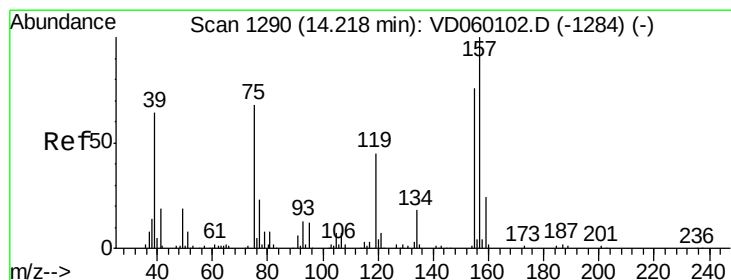
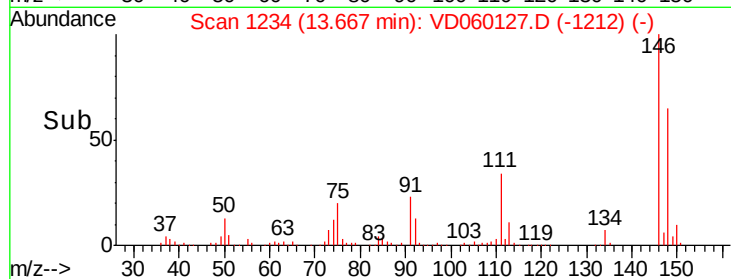
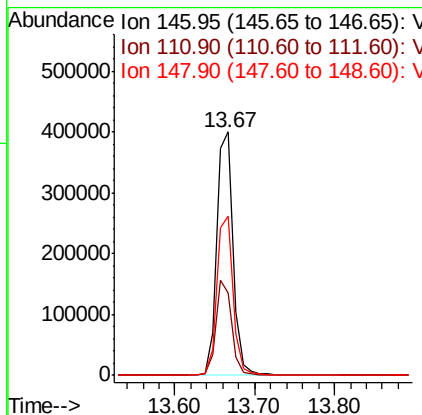
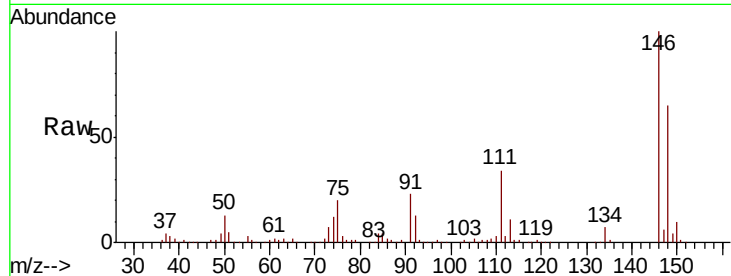
#91
 1,2-Dichlorobenzene
 Concen: 21.973 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1004SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.7	21.4	64.3
148	65.2	32.2	96.6

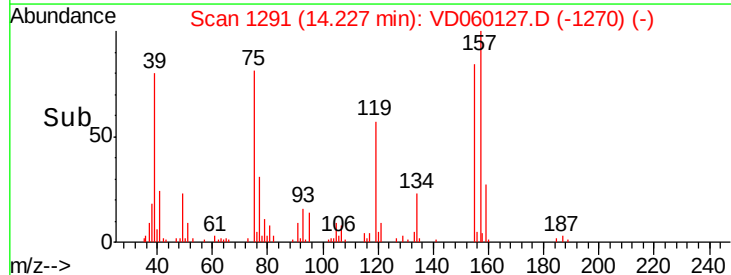
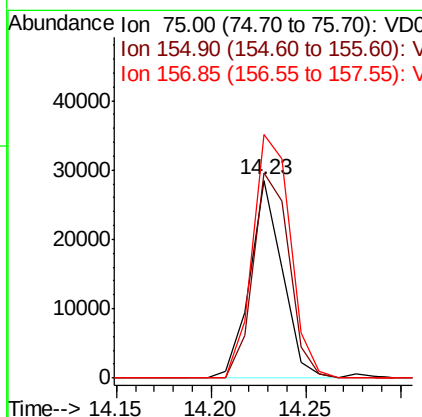
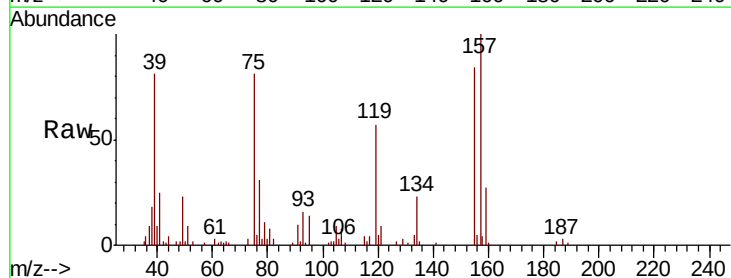
Manual Integrations
 APPROVED

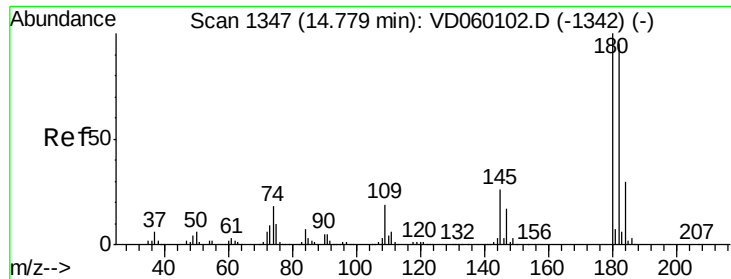
apatel
 10/5/2018 12:20:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.869 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060127.D
 Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.6	55.9	167.7
157	122.9	73.3	219.8





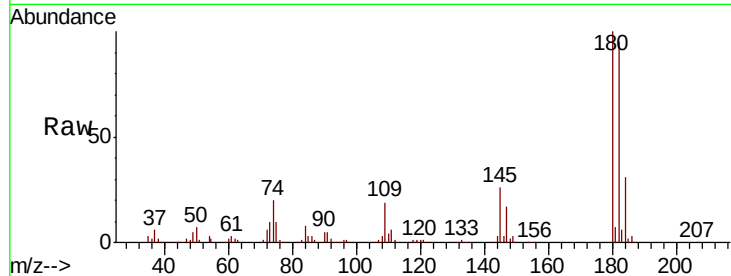
#93
1,2,4-Trichlorobenzene
Concen: 20.315 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	456161		
182	94.8	47.3	141.8	
145	25.8	13.0	38.9	

Manual Integrations
APPROVED

apatel
10/5/2018 12:20:18 PM

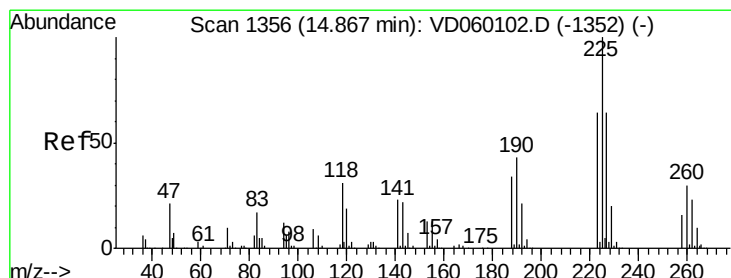
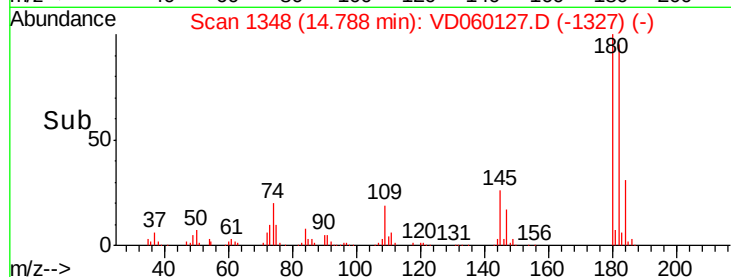
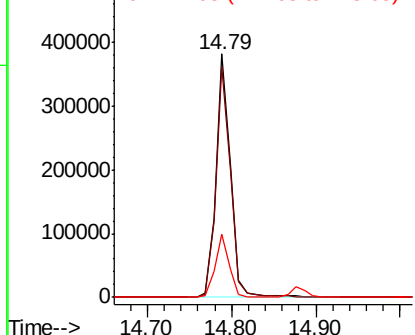


Abundance

Ion 179.85 (179.55 to 180.55): V

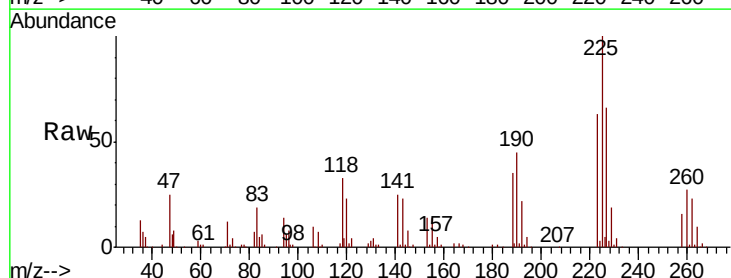
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
Hexachlorobutadiene
Concen: 20.240 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	302102		
223	62.7	31.8	95.4	
227	65.9	32.0	96.0	

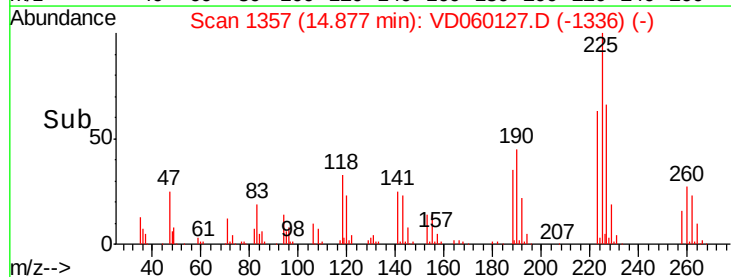
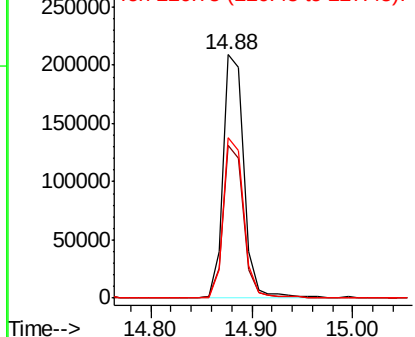


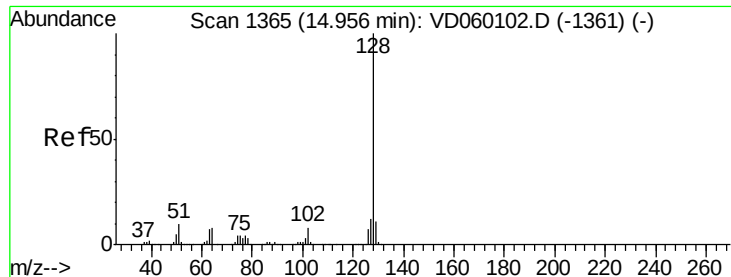
Abundance

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





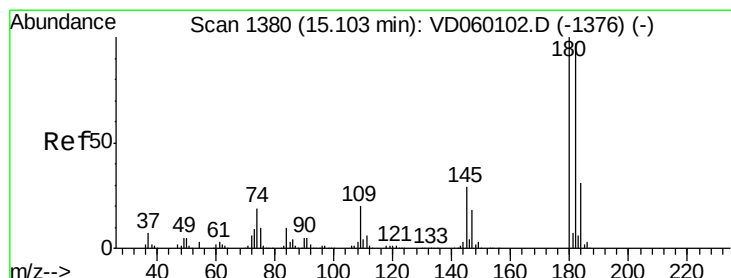
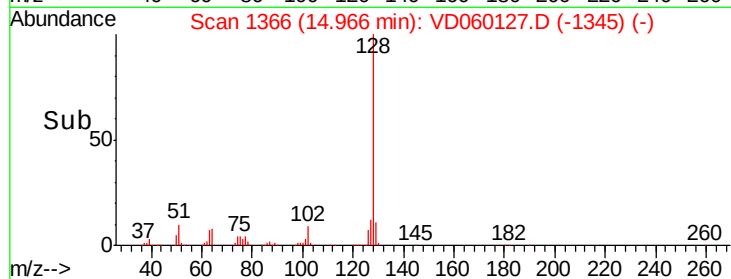
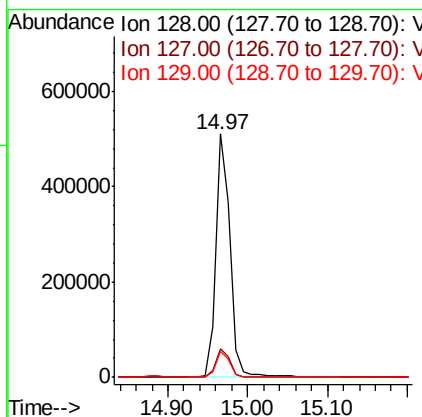
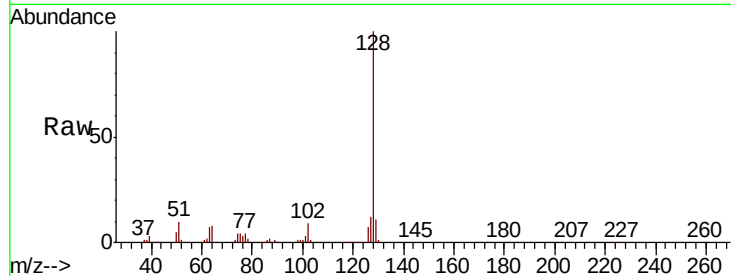
#95
Naphthalene
Concen: 19.361 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.9	14.9
129	10.7	8.8	13.2

Manual Integrations
APPROVED

apatel
10/5/2018 12:20:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.910 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060127.D
Acq: 4 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.4	145.0
145	29.4	14.5	43.6

