

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092118\
 Data File : VD060066.D
 Acq On : 21 Sep 2018 12:46
 Operator : VA/AP
 Sample : VD0921SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Manual Integrations
 APPROVED

apatel
 9/24/2018 1:02:07 PM

Quant Time: Sep 21 14:39:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1647483	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.43	114	2253871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1830771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	984390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	646753	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	6.31	113	906186	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	9.45	98	2513750	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.42	95	941982	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	305836	17.586	ug/l	99
3) Chloromethane	1.75	50	326651	21.264	ug/l	98
4) Vinyl Chloride	1.84	62	265619	21.509	ug/l	97
5) Bromomethane	2.13	94	21211	14.511	ug/l	98
6) Chloroethane	2.24	64	58583	21.219	ug/l	95
7) Trichlorofluoromethane	2.49	101	288232	21.200	ug/l	99
8) Diethyl Ether	2.82	74	63074	21.824	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	194599	22.699	ug/l	98
10) Methyl Iodide	3.23	142	174314	19.197	ug/l	95
11) Tert butyl alcohol	3.97	59	82275	79.364	ug/l	97
12) 1,1-Dichloroethene	3.06	96	153250	22.608	ug/l	95
13) Acrolein	2.97	56	56501	88.011	ug/l	95
14) Allyl chloride	3.52	41	311843	21.814	ug/l	95
15) Acrylonitrile	4.08	53	384514	98.262	ug/l	98
16) Acetone	3.15	43	297339	119.871	ug/l	100
17) Carbon Disulfide	3.30	76	474963	20.336	ug/l	98
18) Methyl Acetate	3.54	43	102741	20.367	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	612486	19.555	ug/l	100
20) Methylene Chloride	3.70	84	444163	20.982	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	354246	19.914	ug/l	92
22) Diisopropyl ether	4.84	45	1321678	20.268	ug/l	98
23) Vinyl Acetate	4.79	43	3779928	102.318	ug/l	100
24) 1,1-Dichloroethane	4.75	63	599308	20.480	ug/l	99
25) 2-Butanone	5.61	43	740314	110.601	ug/l	99
26) 2,2-Dichloropropane	5.57	77	479577	21.079	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	387206	20.809	ug/l	99
28) Bromochloromethane	5.92	49	283965	20.187	ug/l	97
29) Tetrahydrofuran	5.94	42	334574	93.204	ug/l	99
30) Chloroform	6.09	83	618215	20.832	ug/l	99
31) Cyclohexane	6.36	56	562417	19.711	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	499420	20.291	ug/l	100
36) 1,1-Dichloropropene	6.51	75	456722	20.400	ug/l	96
37) Ethyl Acetate	5.69	43	316625	20.565	ug/l	98
38) Carbon Tetrachloride	6.49	117	408713	19.556	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092118\
 Data File : VD060066.D
 Acq On : 21 Sep 2018 12:46
 Operator : VA/AP
 Sample : VD0921SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Manual Integrations
 APPROVED

apatel
 9/24/2018 1:02:07 PM

Quant Time: Sep 21 14:39:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	514553	20.317	ug/l	95
40) Benzene	6.78	78	1167848	20.466	ug/l	99
41) Methacrylonitrile	5.91	41	138050m	17.120	ug/l	
42) 1,2-Dichloroethane	6.88	62	342583	19.994	ug/l	97
43) Isopropyl Acetate	8.34	43	389690	18.904	ug/l #	100
44) Trichloroethene	7.73	130	356135	20.200	ug/l	95
45) 1,2-Dichloropropane	8.09	63	312271	20.465	ug/l	100
46) Dibromomethane	8.21	93	195071	19.594	ug/l	94
47) Bromodichloromethane	8.48	83	438854	20.445	ug/l	98
48) Methyl methacrylate	8.24	41	222328	19.365	ug/l	97
49) 1,4-Dioxane	8.22	88	41249	361.734	ug/l	96
51) 4-Methyl-2-Pentanone	9.33	43	1580287	104.438	ug/l	99
52) Toluene	9.54	92	772427	21.118	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	394116	19.687	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	480041	20.069	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	253302	19.946	ug/l	96
56) Ethyl methacrylate	10.02	69	265354	18.838	ug/l	92
57) 1,3-Dichloropropane	10.37	76	384852	20.530	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	710937	104.519	ug/l	99
59) 2-Hexanone	10.48	43	1148948	105.479	ug/l	98
60) Dibromochloromethane	10.63	129	308857	19.981	ug/l	98
61) 1,2-Dibromoethane	10.75	107	256554	19.566	ug/l	97
64) Tetrachloroethene	10.25	164	335885	20.794	ug/l	97
65) Chlorobenzene	11.31	112	835748	21.233	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	288169	21.706	ug/l	98
67) Ethyl Benzene	11.42	91	1448989	22.875	ug/l	96
68) m/p-Xylenes	11.56	106	1039833	44.449	ug/l	96
69) o-Xylene	11.93	106	508287	21.928	ug/l	99
70) Styrene	11.95	104	856277	21.970	ug/l	97
71) Bromoform	12.12	173	213475	18.716	ug/l	95
73) Isopropylbenzene	12.27	105	1352839	20.954	ug/l	99
74) N-amyl acetate	12.13	43	505303	19.759	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.56	83	290565	19.839	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	288530	19.191	ug/l	99
77) Bromobenzene	12.54	156	389800	20.960	ug/l	94
78) n-propylbenzene	12.63	91	1759397	21.671	ug/l	94
79) 2-Chlorotoluene	12.70	91	979910	21.385	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	1090631	22.040	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	82191	18.110	ug/l	94
82) 4-Chlorotoluene	12.80	91	1108887	22.011	ug/l	97
83) tert-Butylbenzene	13.04	119	1225757	21.382	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1096620	20.767	ug/l	100
85) sec-Butylbenzene	13.22	105	1480923	21.762	ug/l	98
86) p-Isopropyltoluene	13.34	119	1205616	21.905	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	698911	21.611	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	688296	20.983	ug/l	98
89) n-Butylbenzene	13.64	91	1232938	20.762	ug/l	98
90) Hexachloroethane	13.85	117	262572	19.261	ug/l	77
91) 1,2-Dichlorobenzene	13.65	146	604219	20.157	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	38404	17.200	ug/l	86

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092118\
Data File : VD060066.D
Acq On : 21 Sep 2018 12:46
Operator : VA/AP
Sample : VD0921SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

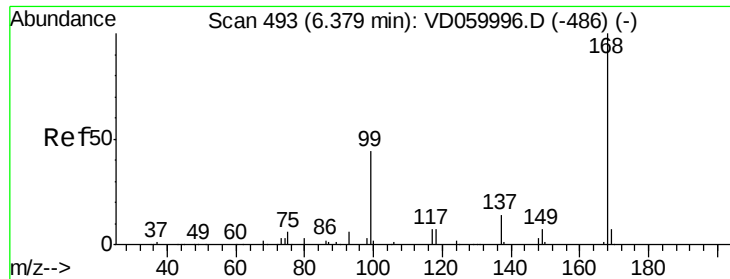
Manual Integrations
APPROVED

apatel
9/24/2018 1:02:07 PM

Quant Time: Sep 21 14:39:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	468998	20.350	ug/l	99
94) Hexachlorobutadiene	14.87	225	322849	21.177	ug/l	99
95) Naphthalene	14.96	128	655993	18.431	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	387861	19.098	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion:168 Resp: 1647483

Ion Ratio Lower Upper

168 100

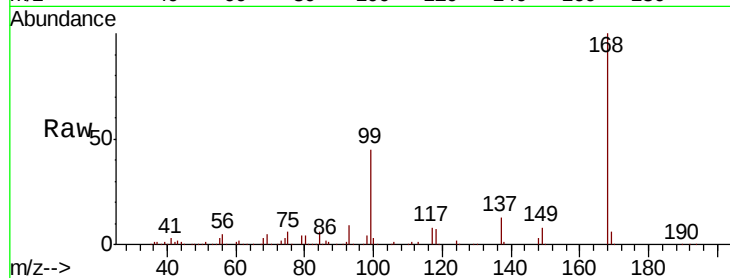
99 45.5 38.5 57.7

Manual Integrations

APPROVED

apatel

9/24/2018 1:02:07 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

600000

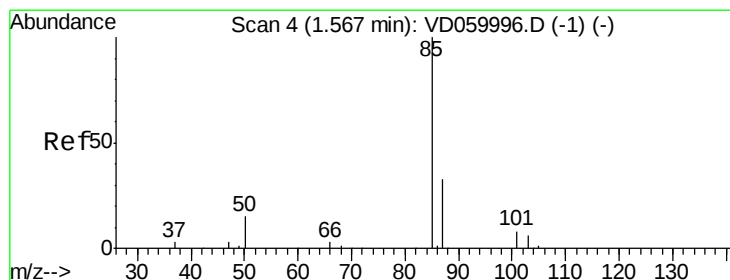
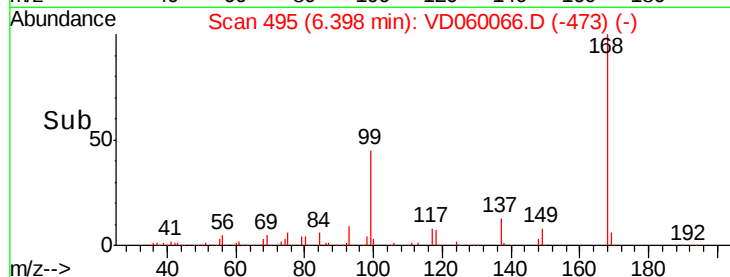
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 17.586 ug/l

RT: 1.59 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060066.D

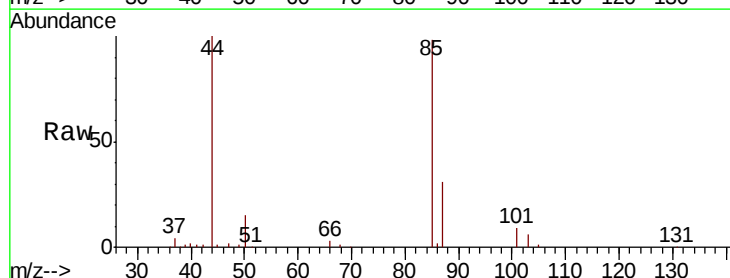
Acq: 21 Sep 2018 12:46

Tgt Ion: 85 Resp: 305836

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

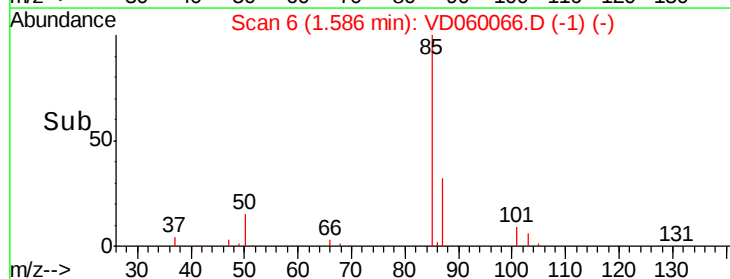
100000

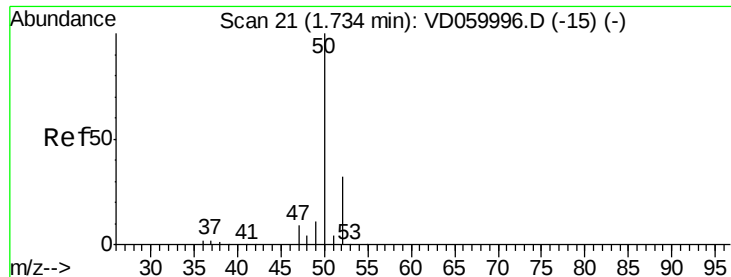
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 21.264 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.02 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 50 Resp: 326651

Ion Ratio Lower Upper

50 100

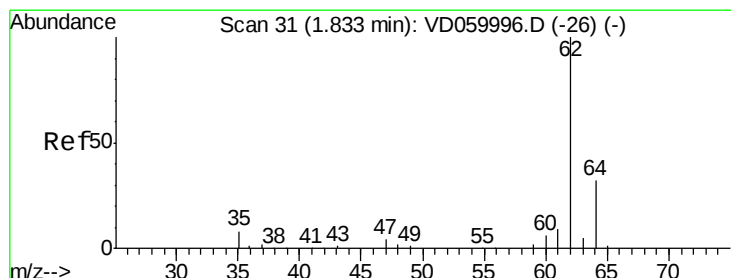
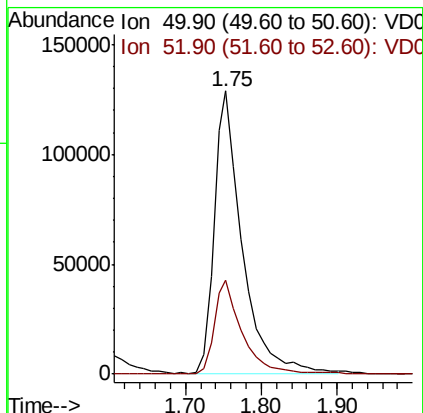
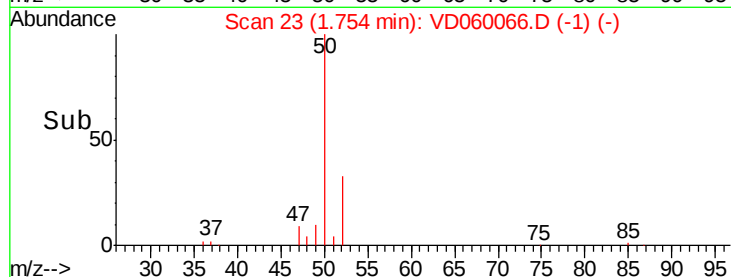
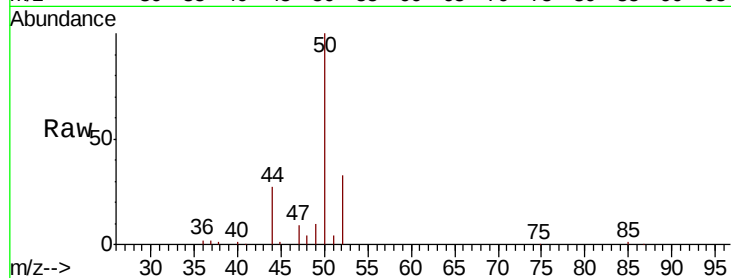
52 33.0 25.4 38.2

Manual Integrations

APPROVED

apatel

9/24/2018 1:02:07 PM



#4

Vinyl Chloride

Concen: 21.509 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060066.D

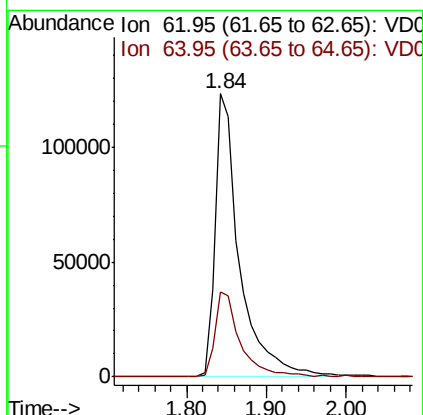
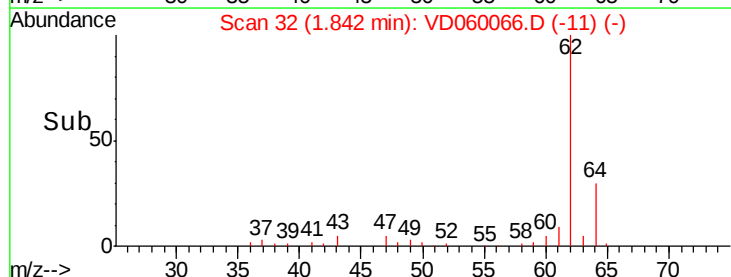
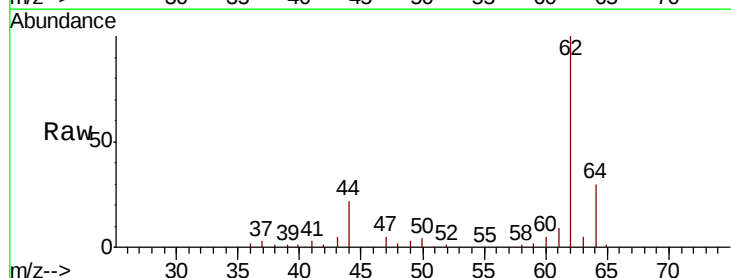
Acq: 21 Sep 2018 12:46

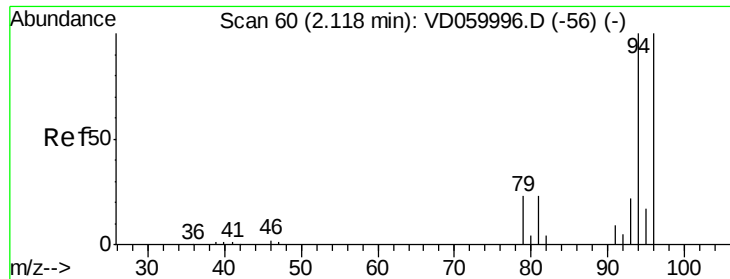
Tgt Ion: 62 Resp: 265619

Ion Ratio Lower Upper

62 100

64 30.0 25.5 38.3





#5

Bromomethane

Concen: 14.511 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 94 Resp: 21211

Ion Ratio Lower Upper

94 100

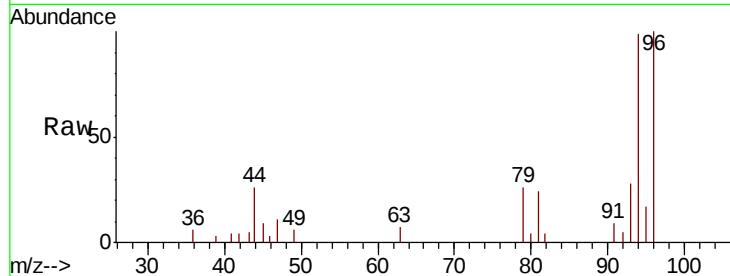
96 101.5 79.8 119.8

Manual Integrations

APPROVED

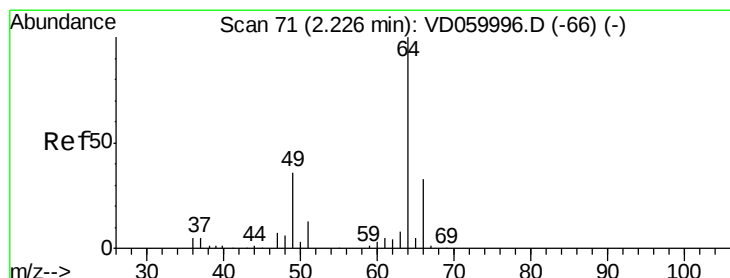
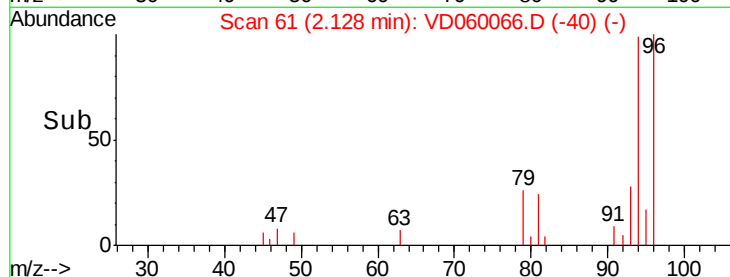
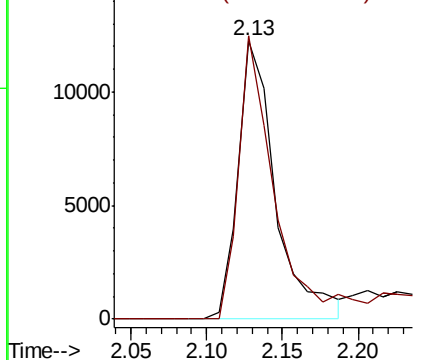
apatel

9/24/2018 1:02:07 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.219 ug/l

RT: 2.24 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD060066.D

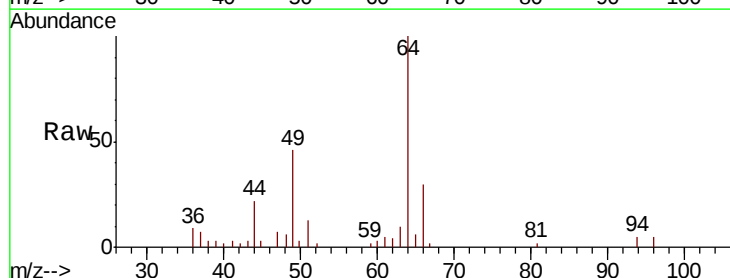
Acq: 21 Sep 2018 12:46

Tgt Ion: 64 Resp: 58583

Ion Ratio Lower Upper

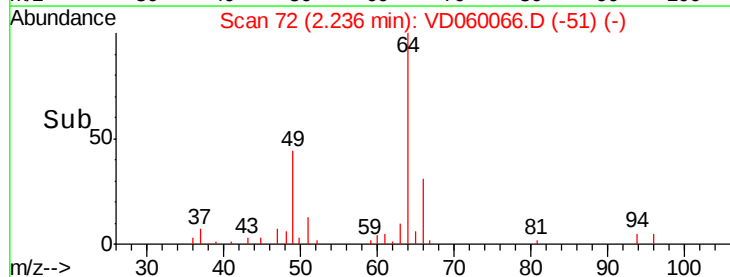
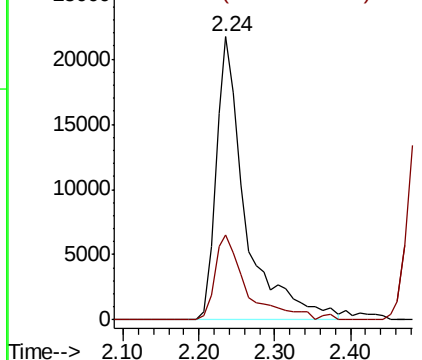
64 100

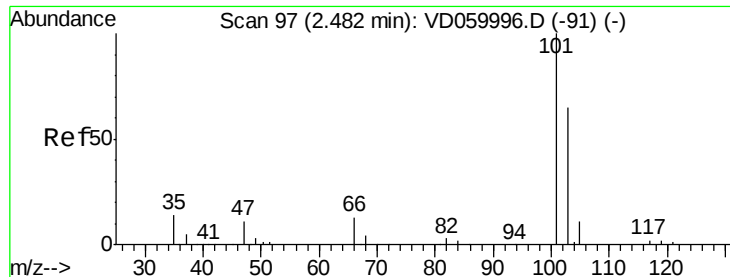
66 30.2 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

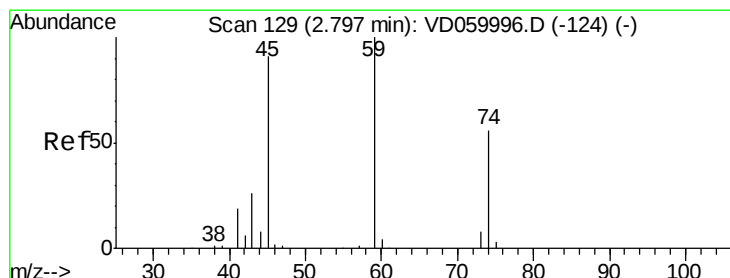
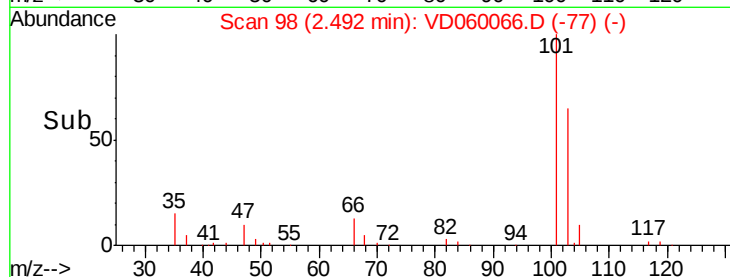
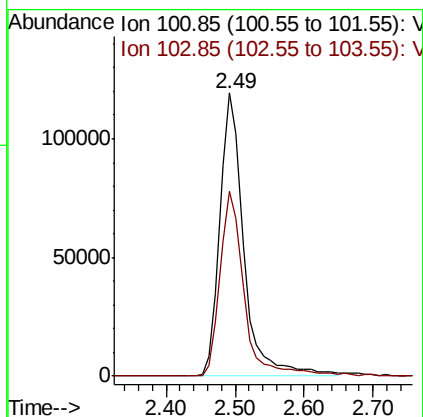
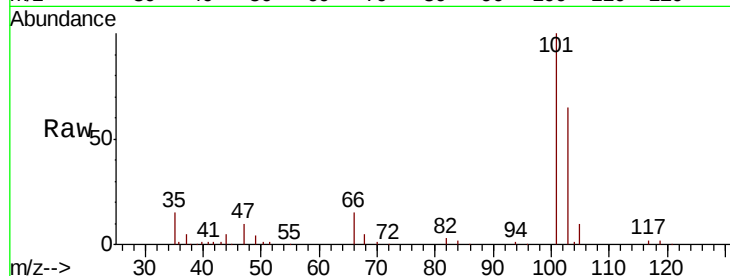
Trichlorofluoromethane
 Concen: 21.200 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion: 101 Resp: 288232
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.6 77.4

Manual Integrations
 APPROVED

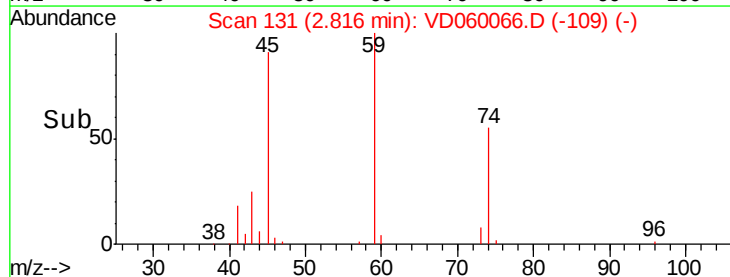
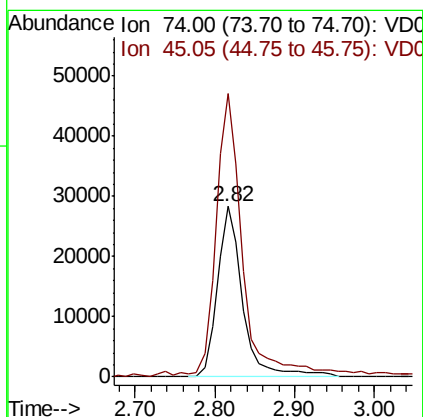
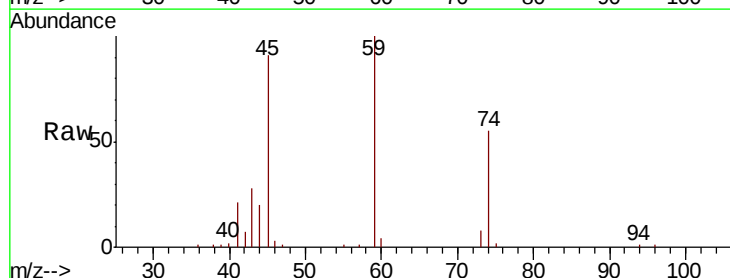
apatel
 9/24/2018 1:02:07 PM

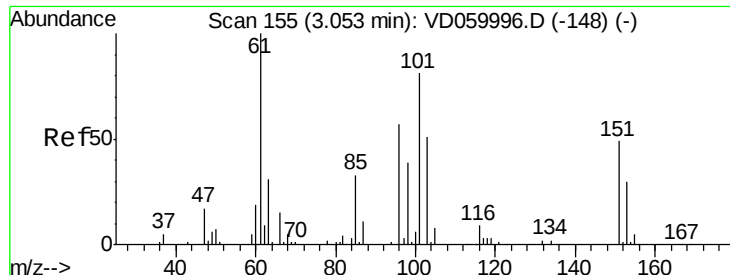


#8

Diethyl Ether
 Concen: 21.824 ug/l
 RT: 2.82 min Scan# 131
 Delta R.T. 0.02 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Tgt Ion: 74 Resp: 63074
 Ion Ratio Lower Upper
 74 100
 45 166.3 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.699 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

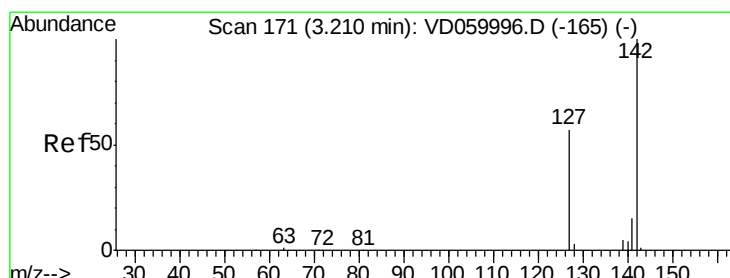
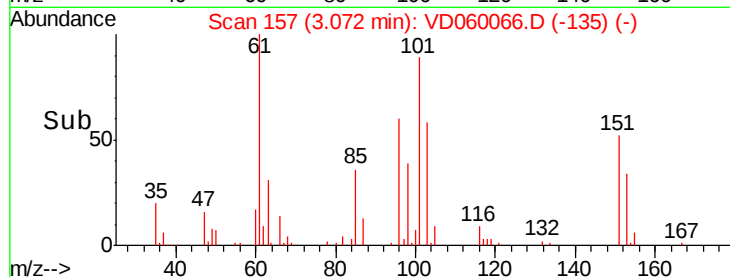
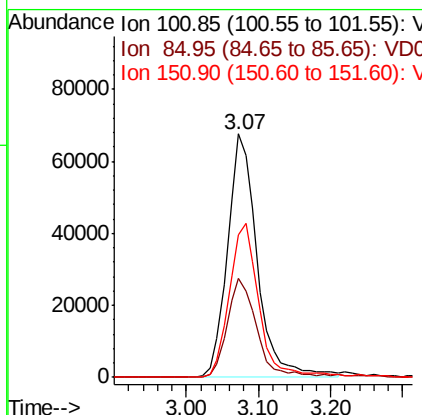
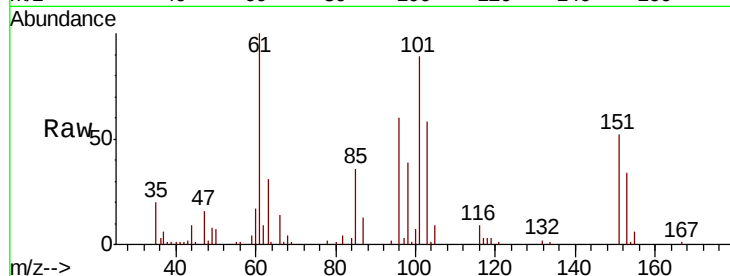
ClientSampleId :

VD0921SBS01

Tot Ion:	101	Resp:	194599
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.1	49.7
151	58.7	48.2	72.4

Manual Integrations
APPROVED

apatel
9/24/2018 1:02:07 PM



#10

Methyl Iodide

Concen: 19.197 ug/l

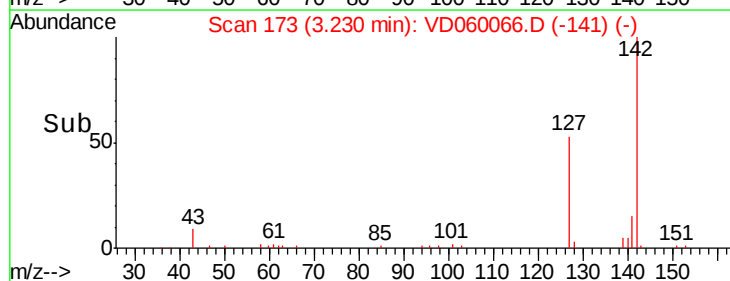
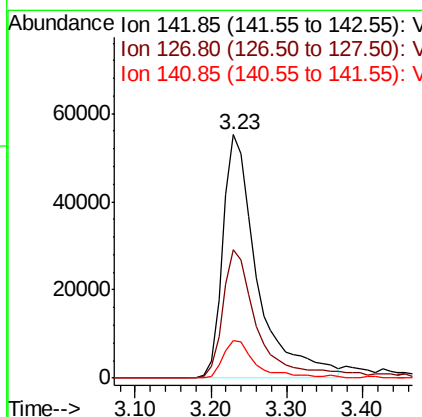
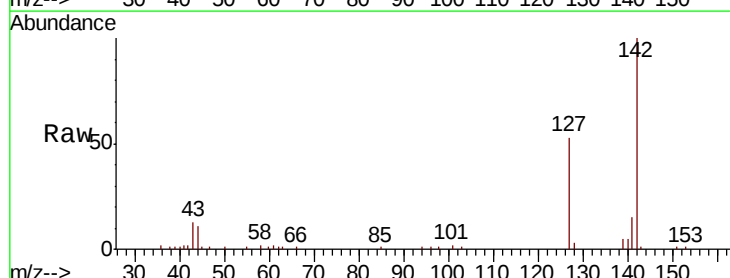
RT: 3.23 min Scan# 173

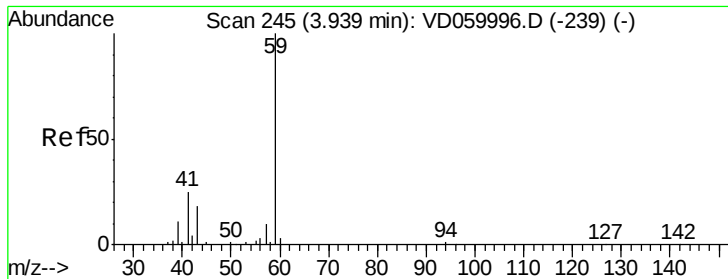
Delta R.T. 0.02 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Tgt Ion:	142	Resp:	174314
Ion Ratio	Lower	Upper	
142	100		
127	52.5	45.8	68.8
141	15.3	12.2	18.4





#11

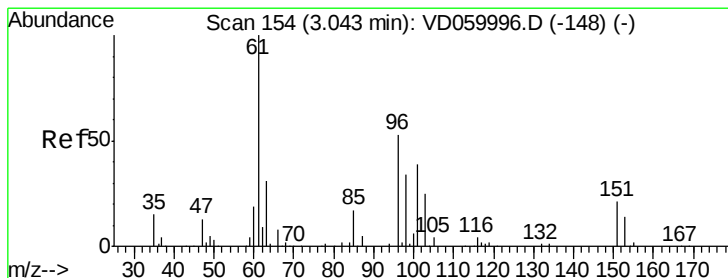
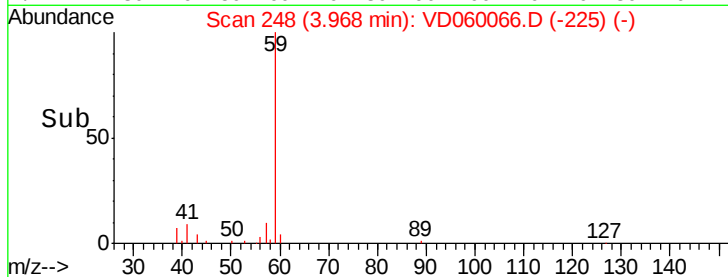
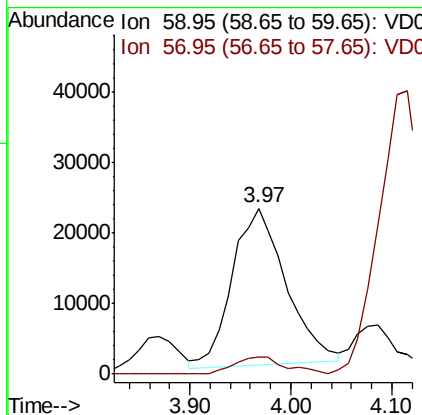
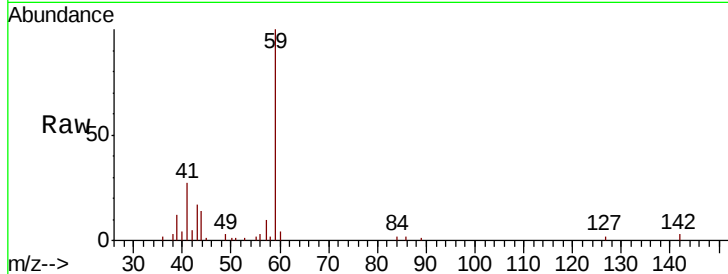
Tert butyl alcohol
Concen: 79.364 ug/l
RT: 3.97 min Scan# 248
Delta R.T. 0.03 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.4	11.2

Manual Integrations
APPROVED

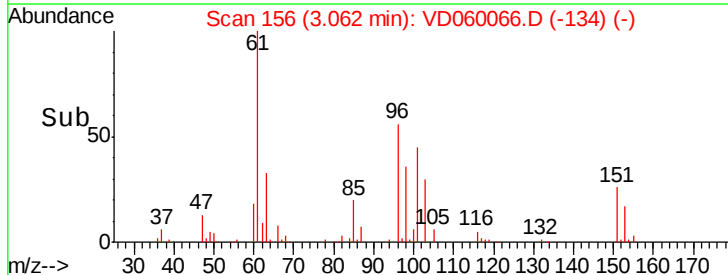
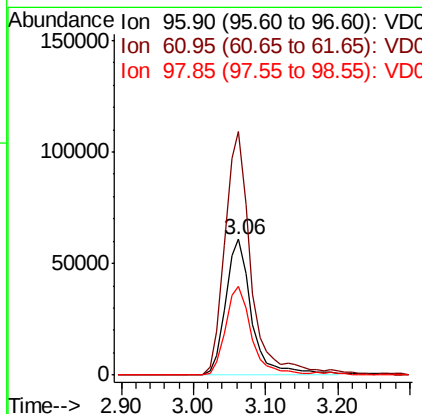
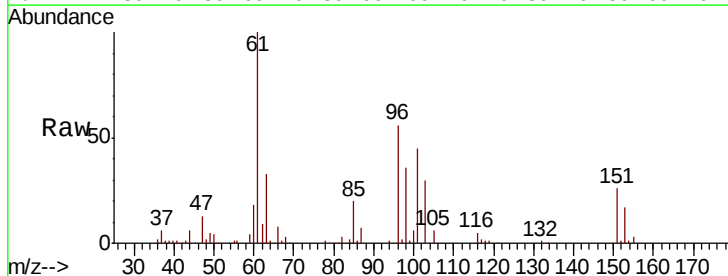
apatel
9/24/2018 1:02:07 PM

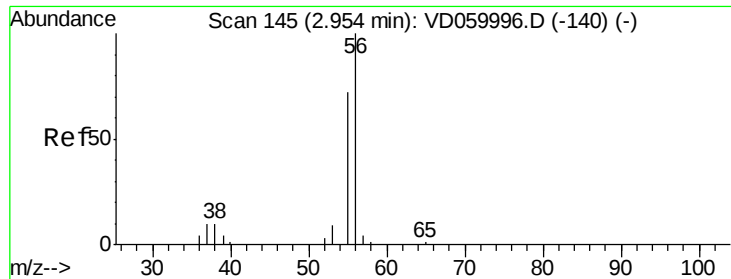


#12

1,1-Dichloroethene
Concen: 22.608 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.0	149.8	224.6
98	64.8	50.2	75.4





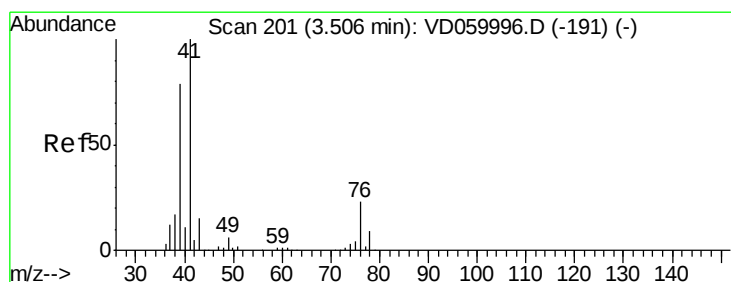
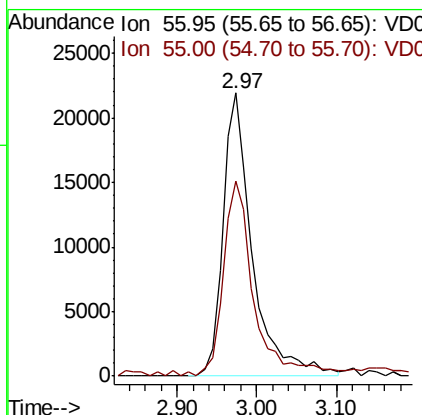
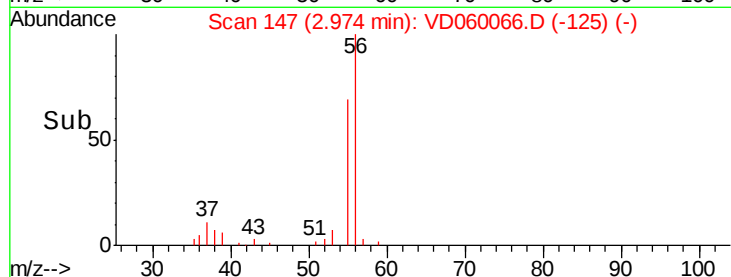
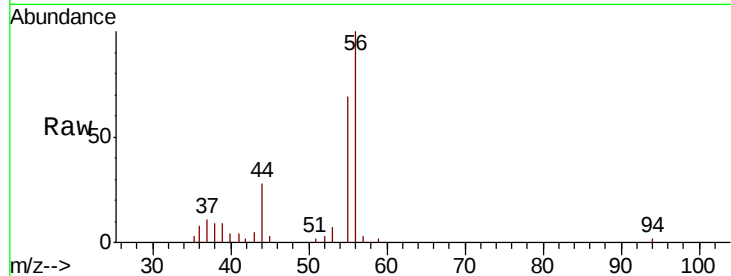
#13
Acrolein
Concen: 88.011 ug/l
RT: 2.97 min Scan# 147
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 56 Resp: 56501
Ion Ratio Lower Upper
56 100
55 68.8 58.3 87.5

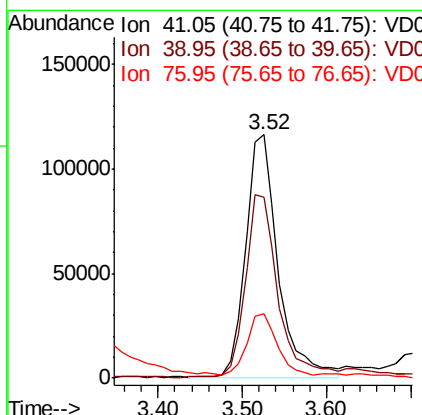
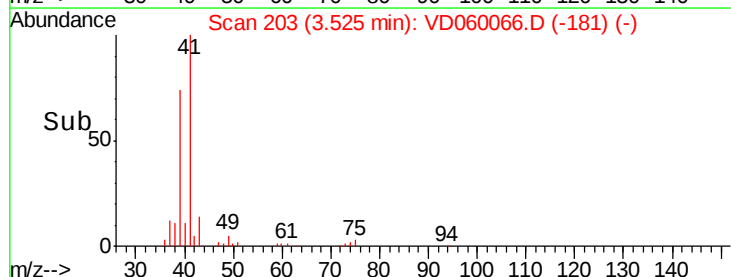
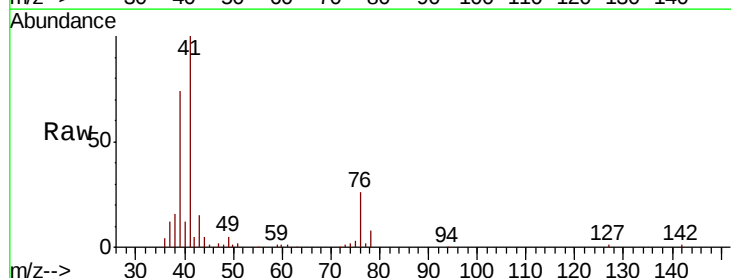
Manual Integrations
APPROVED

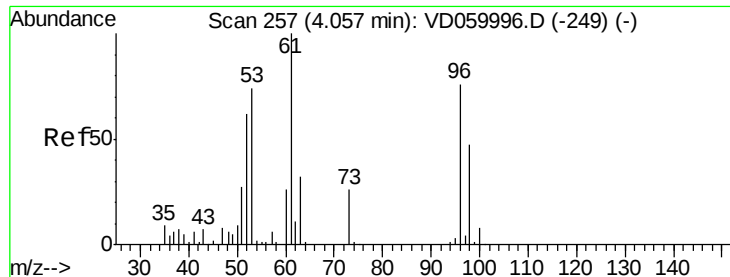
apatel
9/24/2018 1:02:07 PM



#14
Allyl chloride
Concen: 21.814 ug/l
RT: 3.52 min Scan# 203
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion: 41 Resp: 311843
Ion Ratio Lower Upper
41 100
39 74.1 63.6 95.4
76 26.3 21.1 31.7





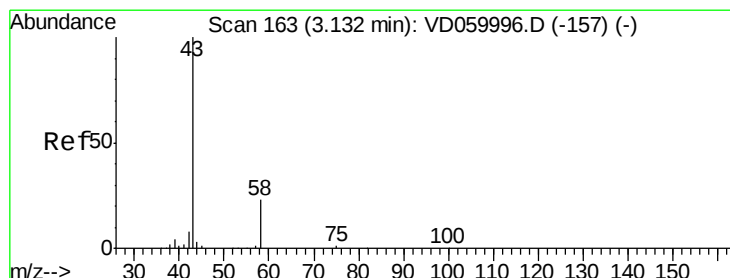
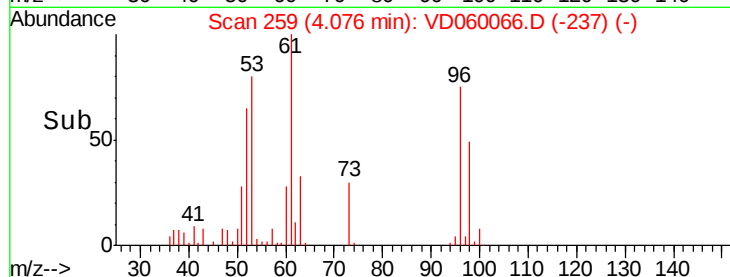
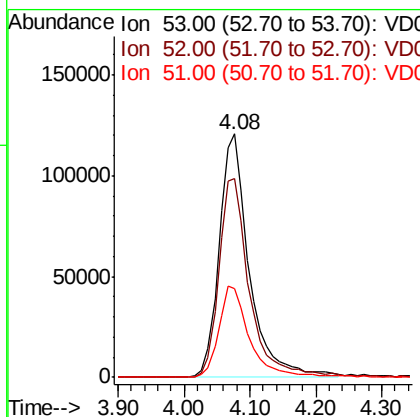
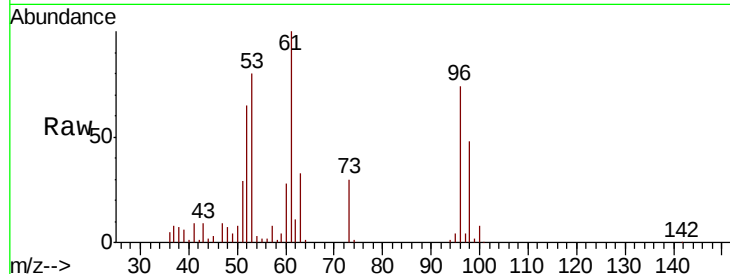
#15
Acrylonitrile
Concen: 98.262 ug/l
RT: 4.08 min Scan# 259
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	53	52	51
Resp	384514	81.4	36.5
Lower		66.7	29.0
Upper		100.1	43.6

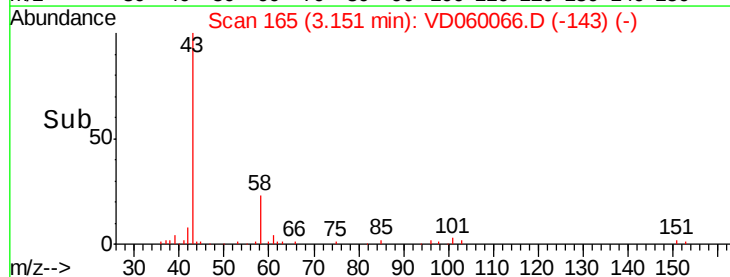
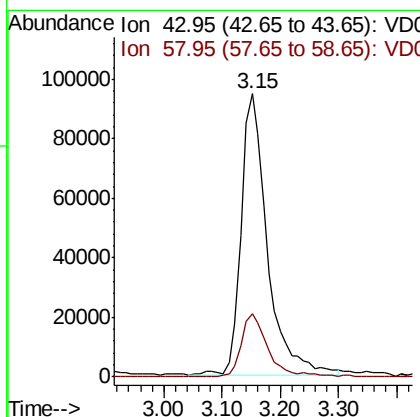
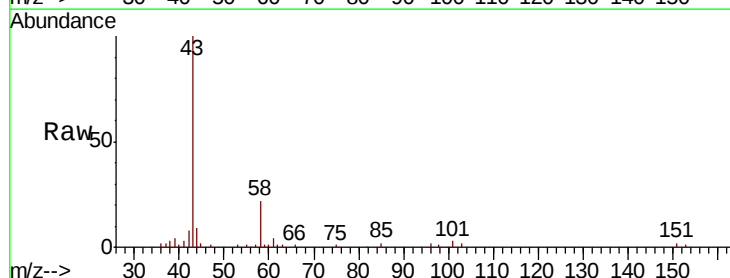
Manual Integrations
APPROVED

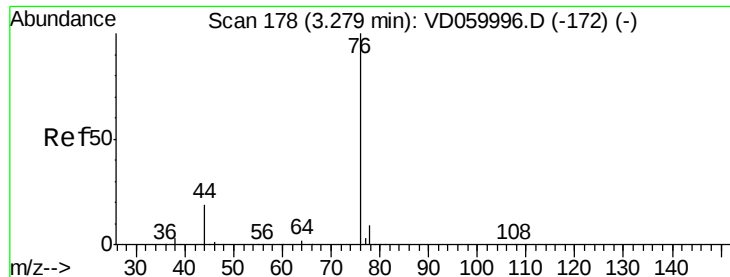
apatel
9/24/2018 1:02:07 PM



#16
Acetone
Concen: 119.871 ug/l
RT: 3.15 min Scan# 165
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion	43	58
Resp	297339	22.5
Lower		18.1
Upper		27.1





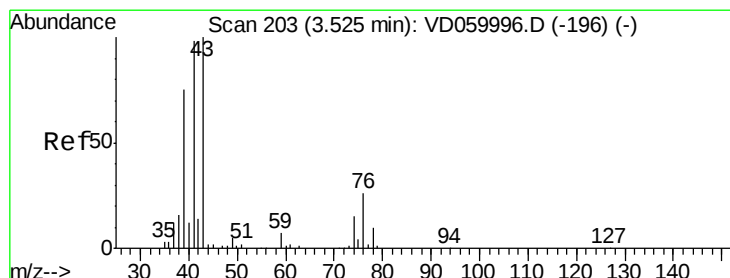
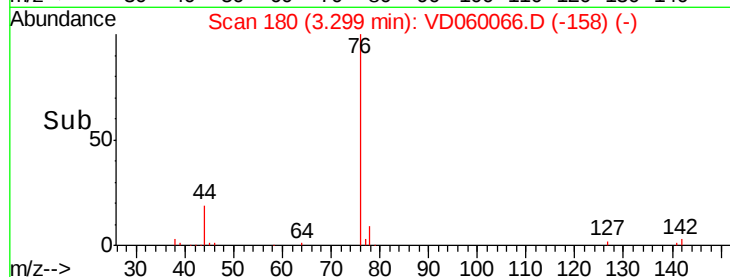
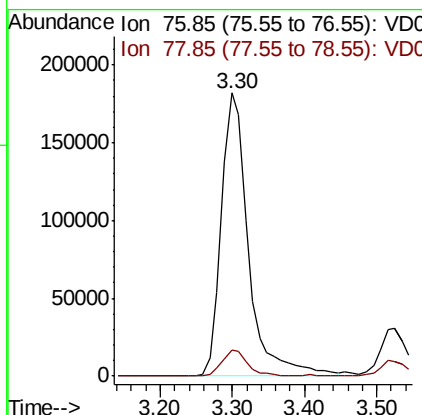
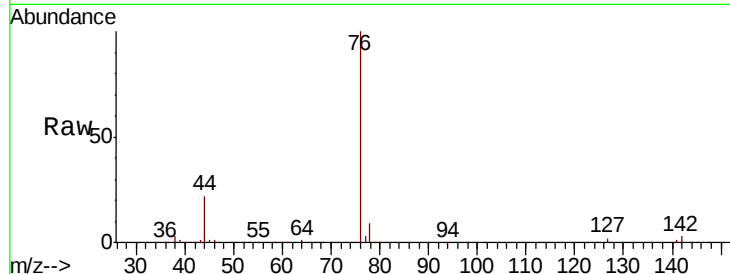
#17
Carbon Disulfide
Concen: 20.336 ug/l
RT: 3.30 min Scan# 180
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

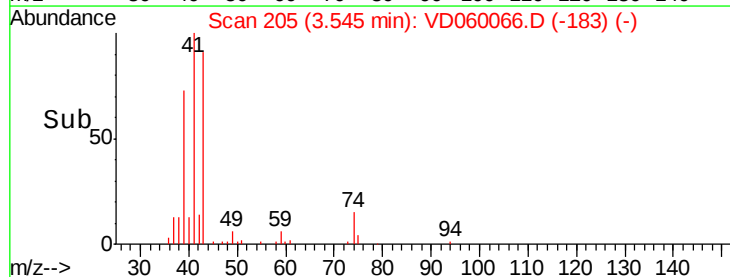
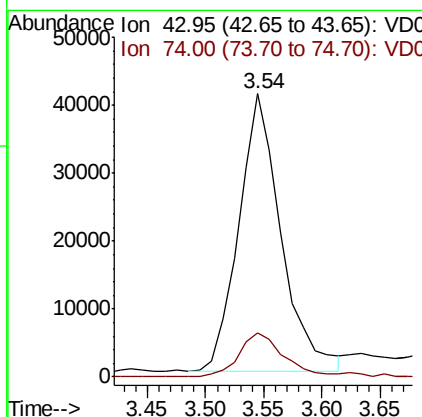
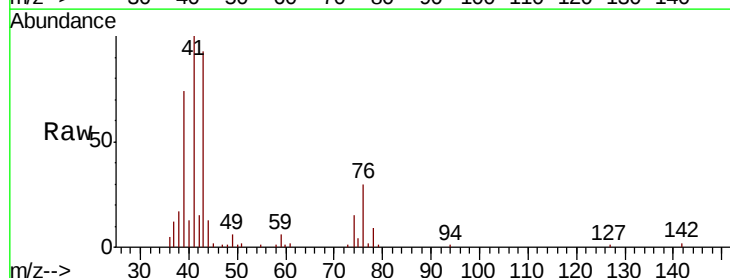
Manual Integrations
APPROVED

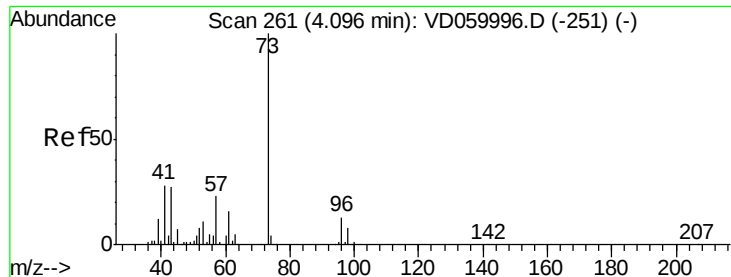
apatel
9/24/2018 1:02:07 PM



#18
Methyl Acetate
Concen: 20.367 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.7	11.8	17.8





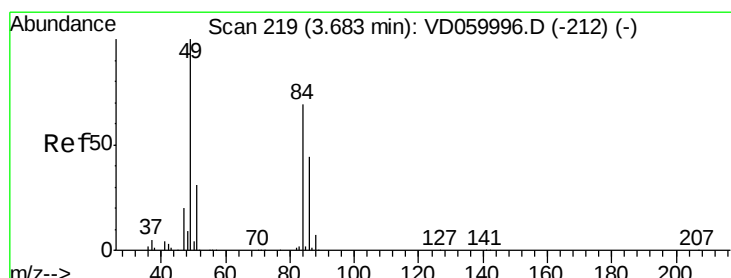
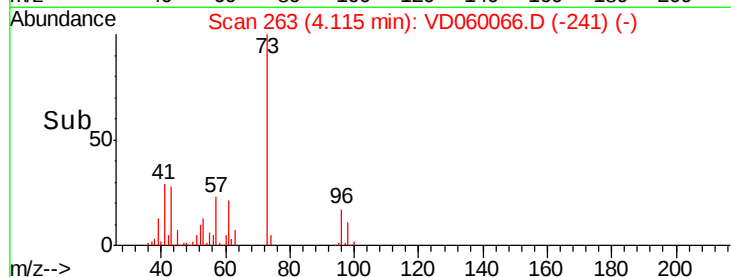
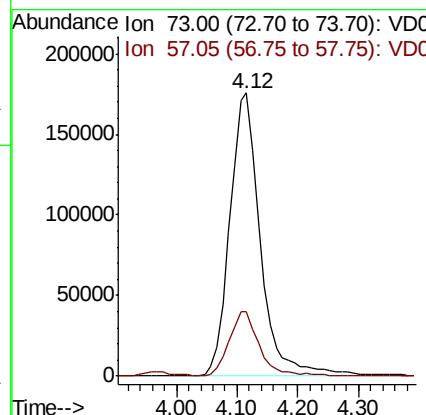
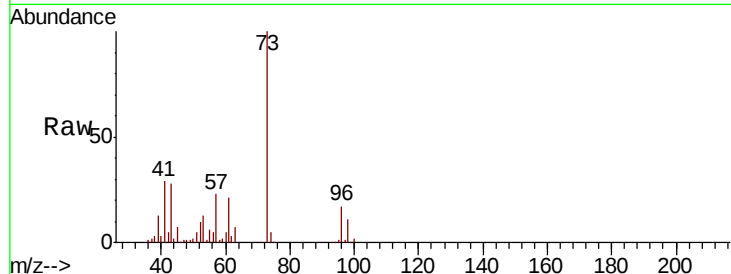
#19
Methvl tert-butvl Ether
Concen: 19.555 ug/l
RT: 4.12 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 73 Resp: 612486
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6

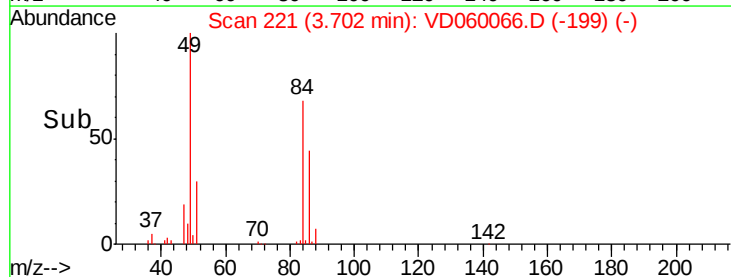
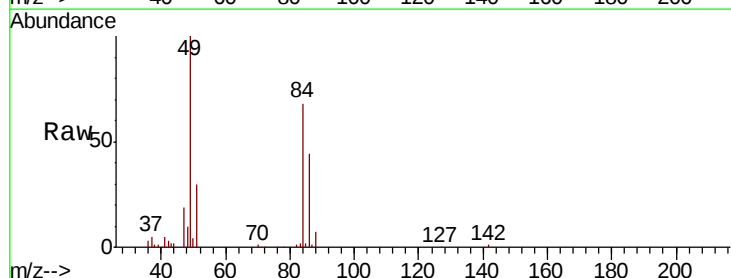
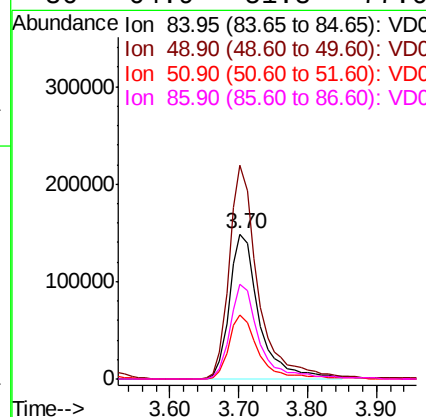
Manual Integrations
APPROVED

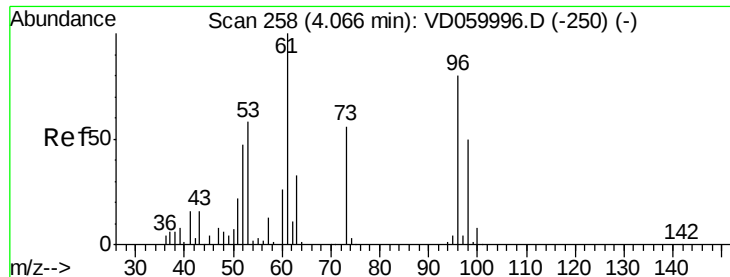
apatel
9/24/2018 1:02:07 PM



#20
Methylene Chloride
Concen: 20.982 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion: 84 Resp: 444163
Ion Ratio Lower Upper
84 100
49 147.0 116.6 175.0
51 44.4 35.9 53.9
86 64.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.914 ug/l

RT: 4.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 96 Resp: 354246

Ion Ratio Lower Upper

96 100

61 136.1 100.1 150.1

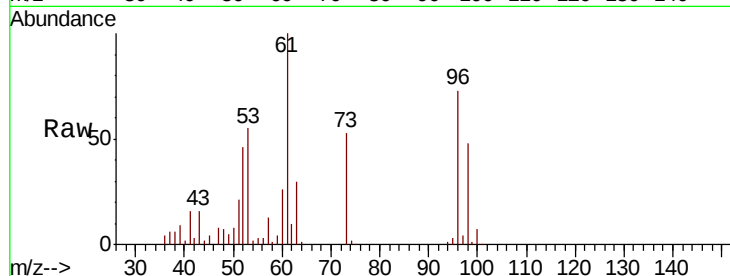
98 64.9 49.5 74.3

Manual Integrations

APPROVED

apatel

9/24/2018 1:02:07 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

200000

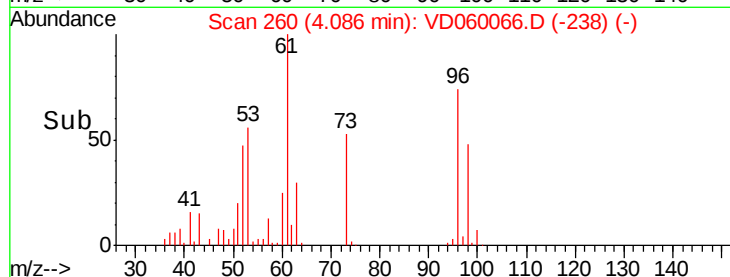
150000

100000

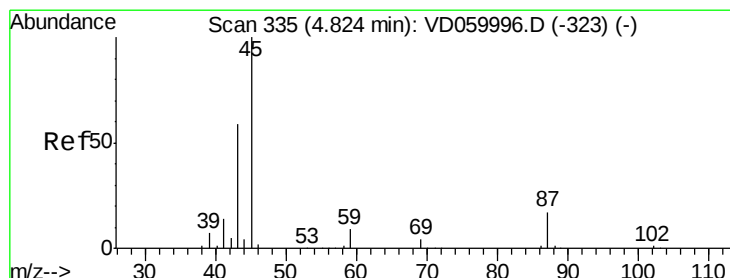
50000

0

Time-->



Time-->



#22

Diisopropyl ether

Concen: 20.268 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.02 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Tgt Ion: 45 Resp: 1321678

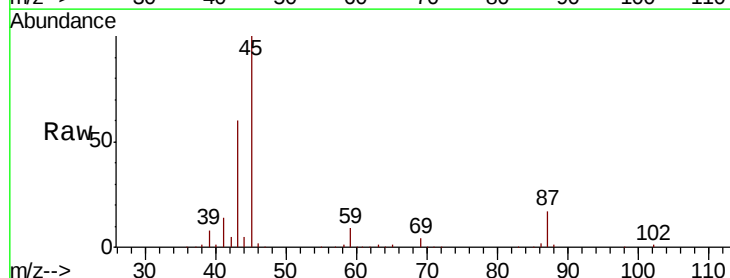
Ion Ratio Lower Upper

45 100

43 60.4 47.1 70.7

87 16.7 14.2 21.2

59 9.1 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

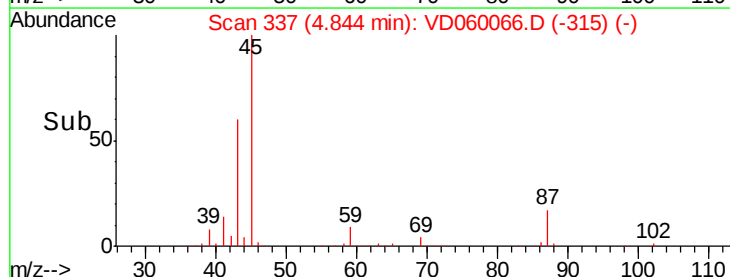
1500000

1000000

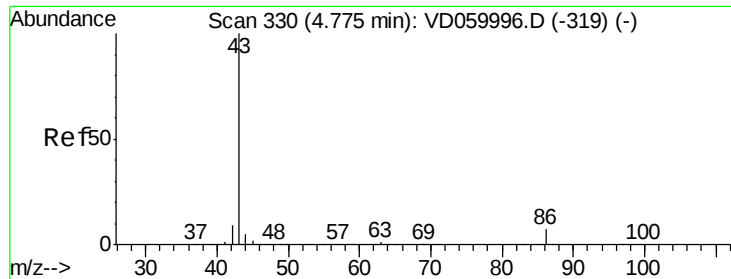
500000

0

Time-->



Time-->



#23

Vinyl Acetate

Concen: 102.318 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleID :

VD0921SBS01

Tot Ion: 43 Resp: 3779928

Ion Ratio Lower Upper

43 100

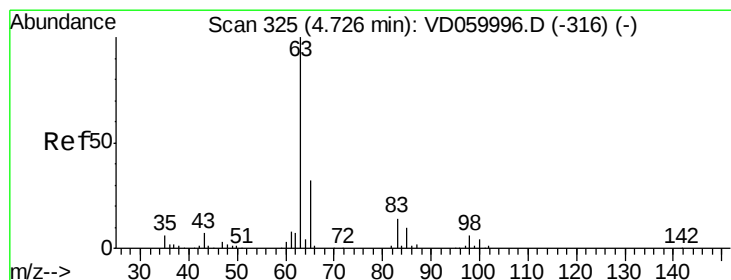
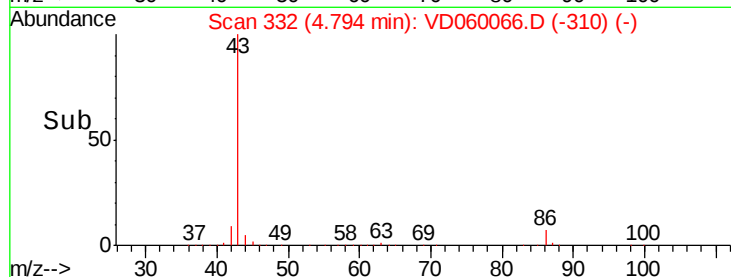
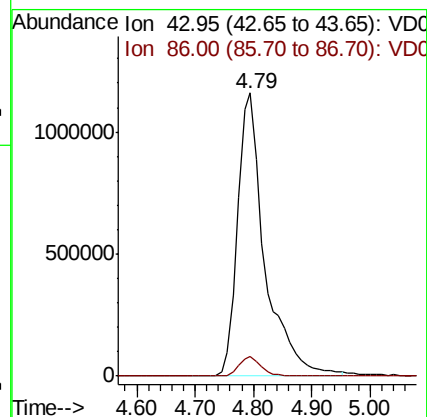
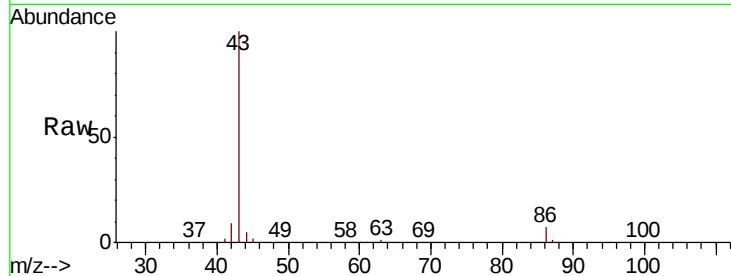
86 6.8 5.5 8.3

Manual Integrations

APPROVED

apatel

9/24/2018 1:02:07 PM



#24

1,1-Dichloroethane

Concen: 20.480 ug/l

RT: 4.75 min Scan# 327

Delta R.T. 0.02 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

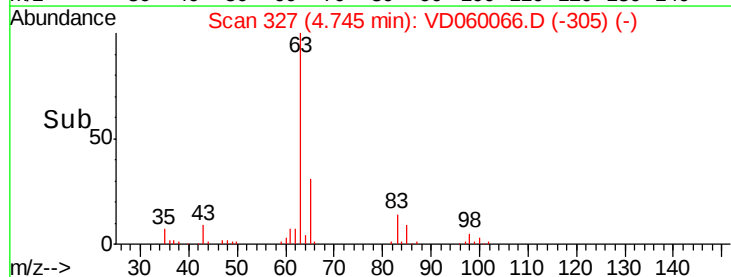
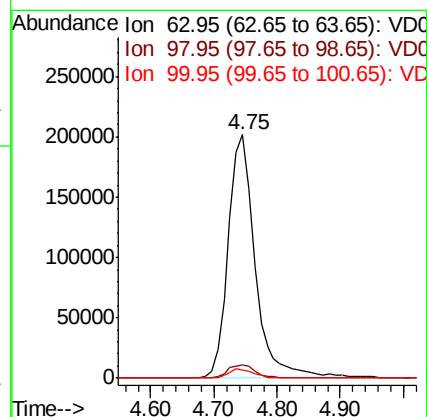
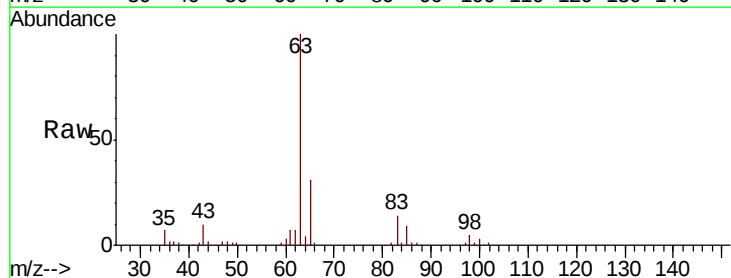
Tgt Ion: 63 Resp: 599308

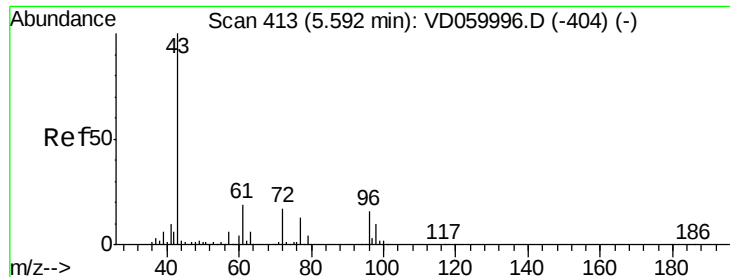
Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.6

100 3.5 1.8 5.4





#25

2-Butanone

Concen: 110.601 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 43 Resp: 740314

Ion Ratio Lower Upper

43 100

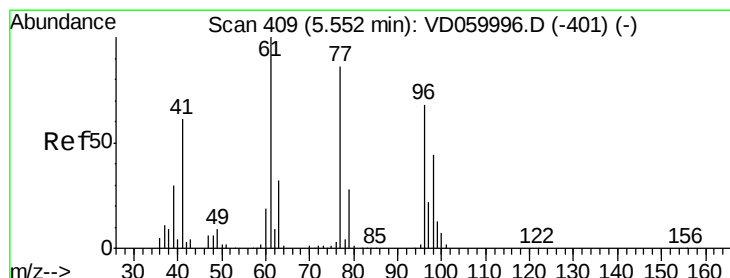
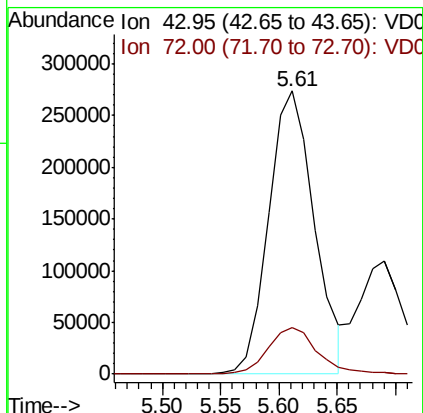
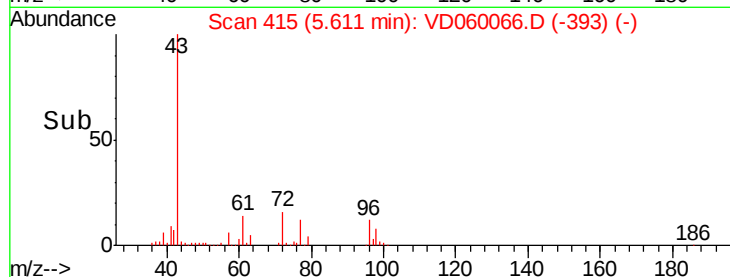
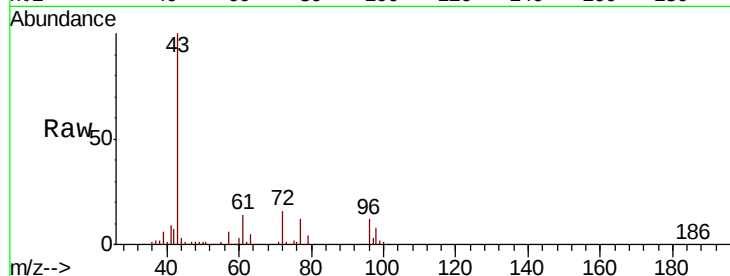
72 16.5 13.6 20.4

Manual Integrations

APPROVED

apatel

9/24/2018 1:02:07 PM



#26

2,2-Dichloropropane

Concen: 21.079 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.02 min

Lab File: VD060066.D

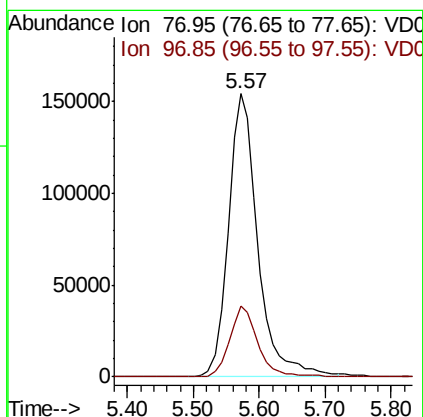
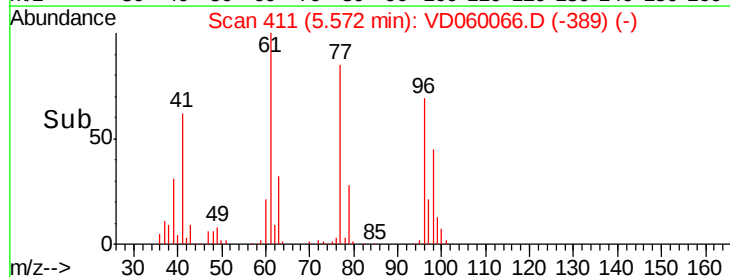
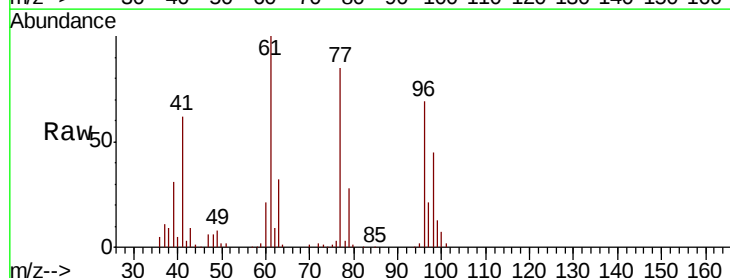
Acq: 21 Sep 2018 12:46

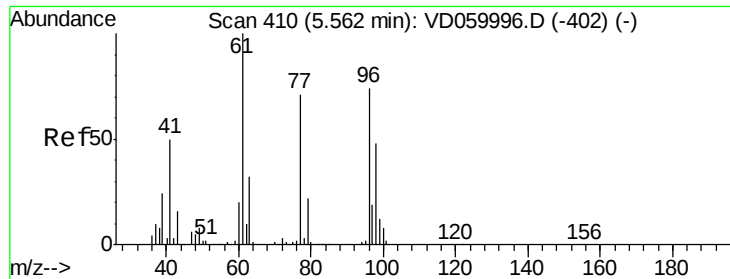
Tgt Ion: 77 Resp: 479577

Ion Ratio Lower Upper

77 100

97 25.1 12.7 38.1





#27

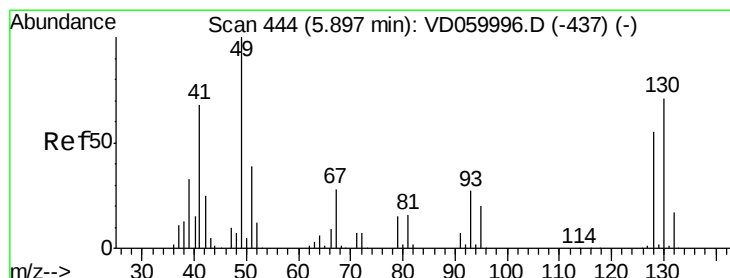
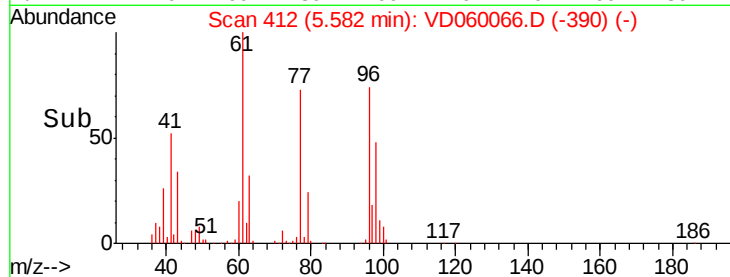
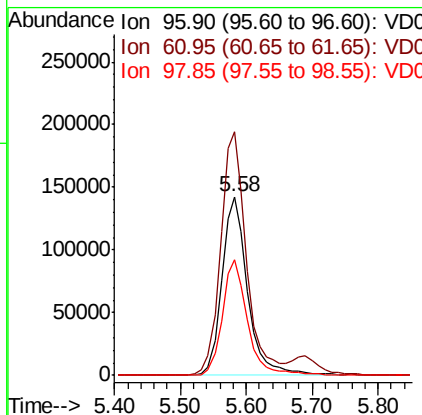
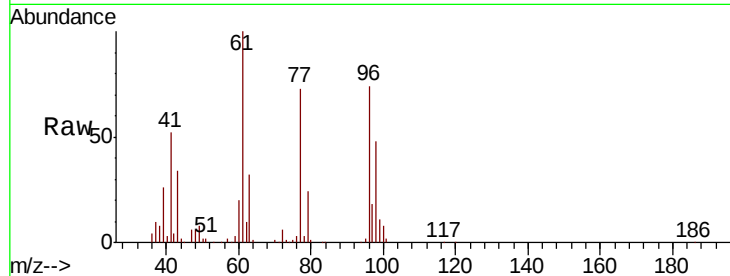
cis-1,2-Dichloroethene
Concen: 20.809 ug/l
RT: 5.58 min Scan# 412
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	387206		
61	136.0	0.0	269.6	
98	64.8	0.0	128.4	

Manual Integrations
APPROVED

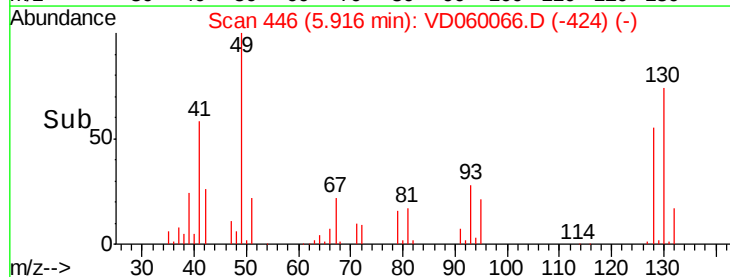
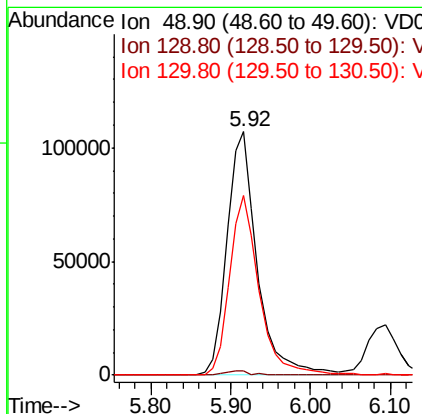
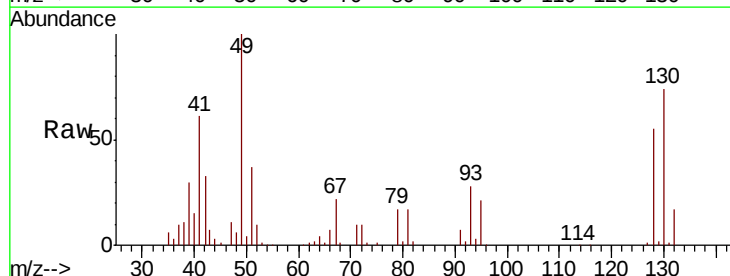
apatel
9/24/2018 1:02:07 PM

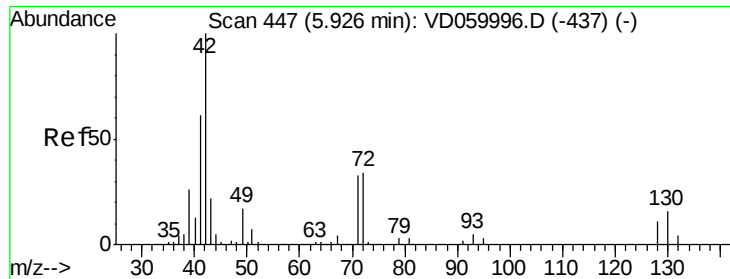


#28

Bromochloromethane
Concen: 20.187 ug/l
RT: 5.92 min Scan# 446
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	283965		
129	2.0	0.0	3.6	
130	73.6	57.1	85.7	





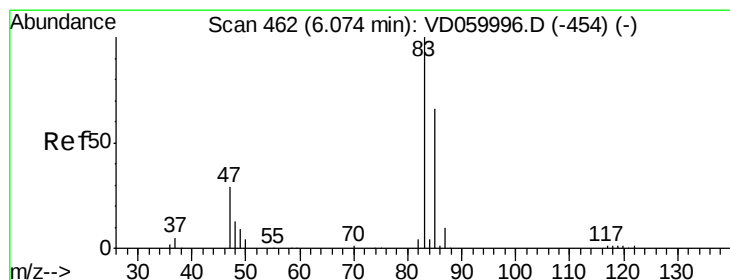
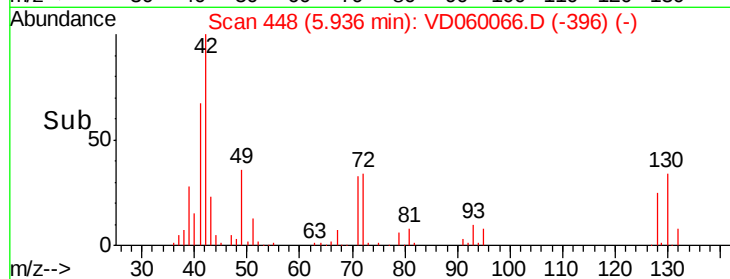
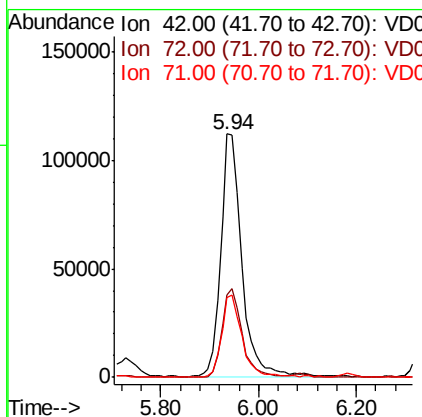
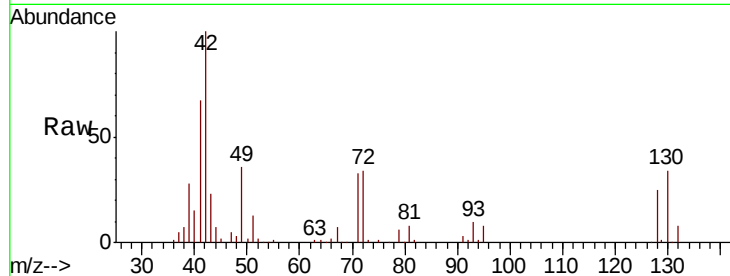
#29
Tetrahydrofuran
Concen: 93.204 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	26.9	40.3
71	33.2	26.2	39.4

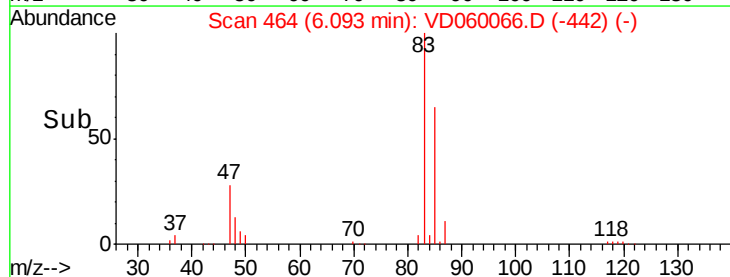
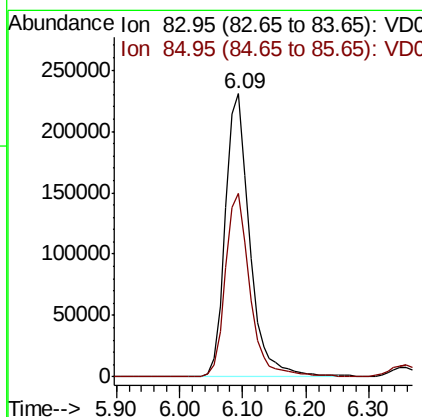
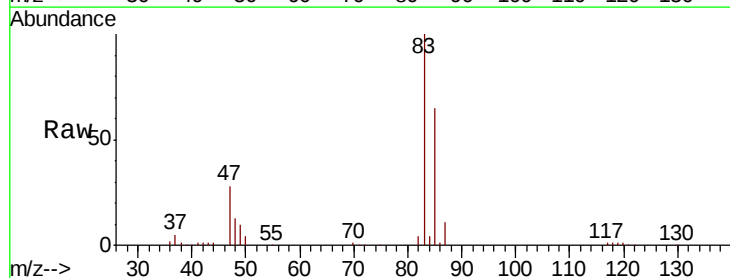
Manual Integrations
APPROVED

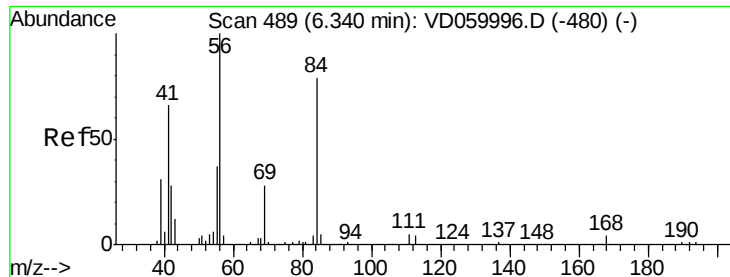
apatel
9/24/2018 1:02:07 PM



#30
Chloroform
Concen: 20.832 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	78.8





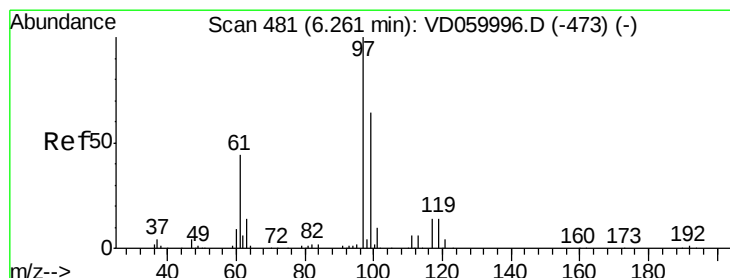
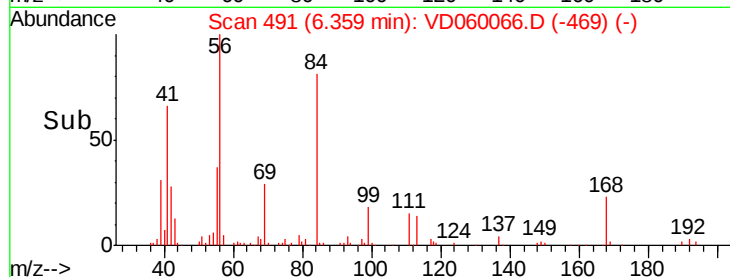
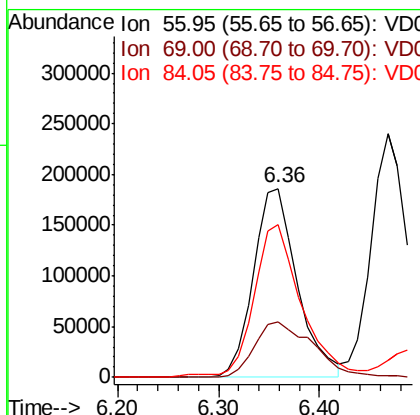
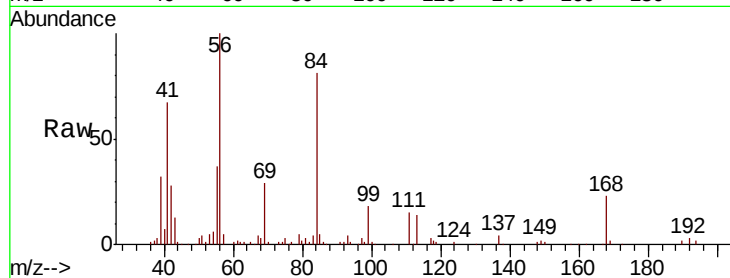
#31
Cyclohexane
Concen: 19.711 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	22.7	34.1
84	80.9	64.0	96.0

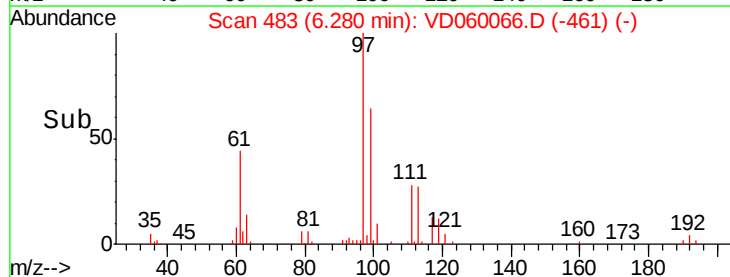
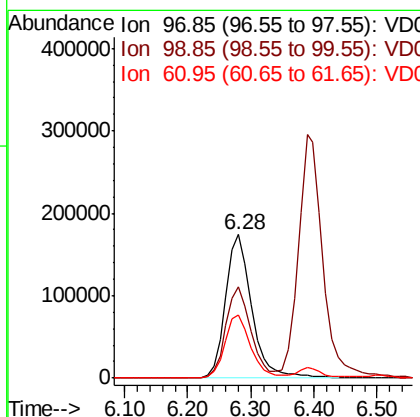
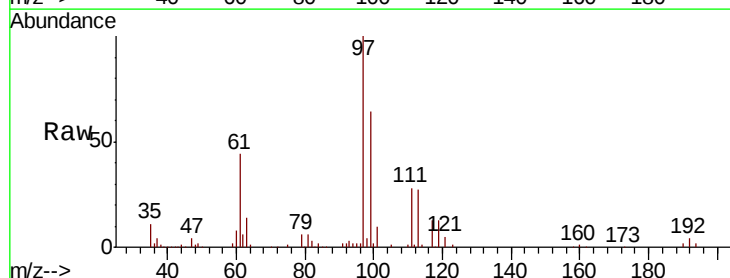
Manual Integrations
APPROVED

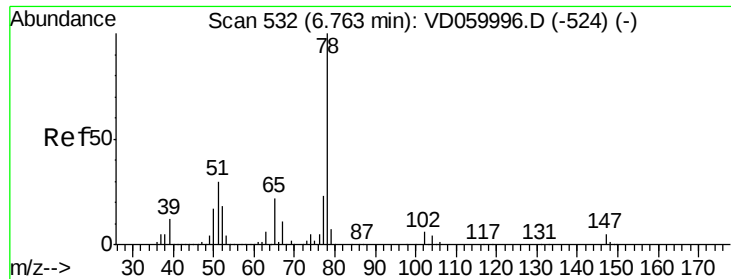
apatel
9/24/2018 1:02:07 PM



#32
1,1,1-Trichloroethane
Concen: 20.291 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.3	76.9
61	44.2	35.5	53.3





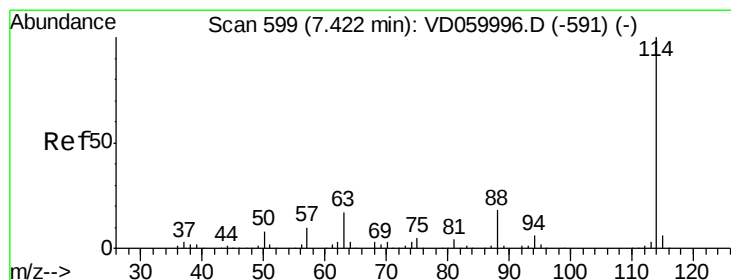
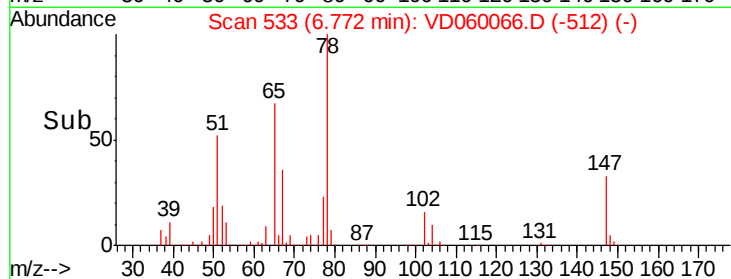
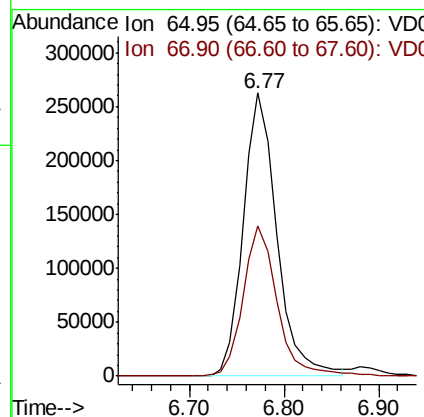
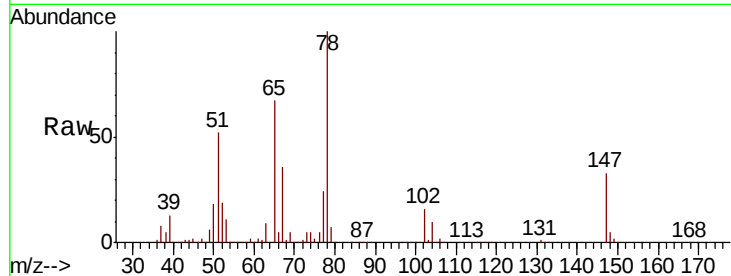
#33
 1,2-Dichloroethane-d4
 Concen: 20.291 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	104.8	

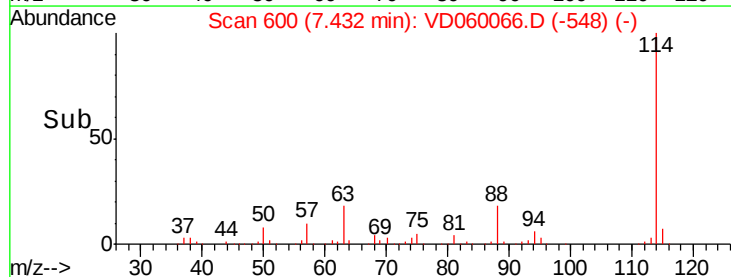
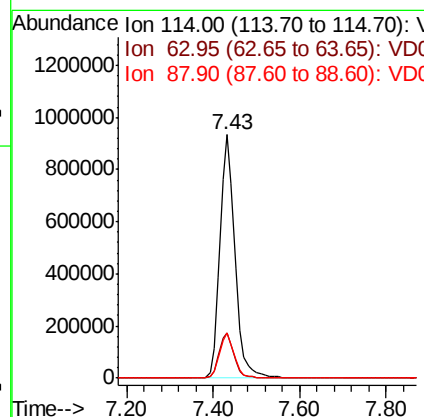
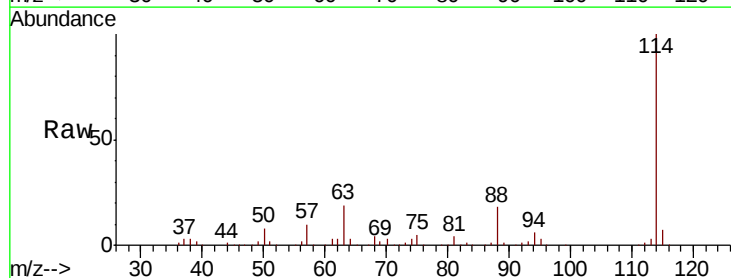
Manual Integrations
 APPROVED

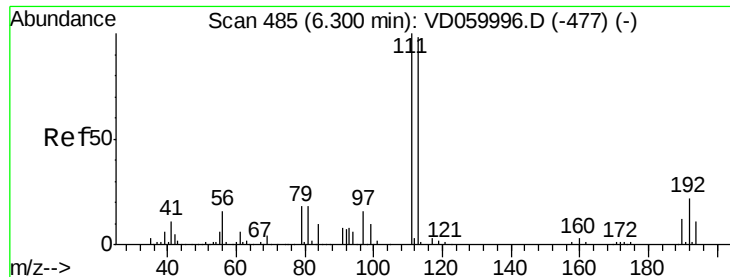
apatel
 9/24/2018 1:02:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	34.4	
88	18.3	0.0	35.8	





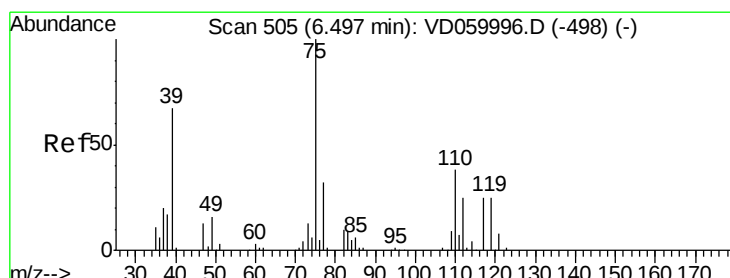
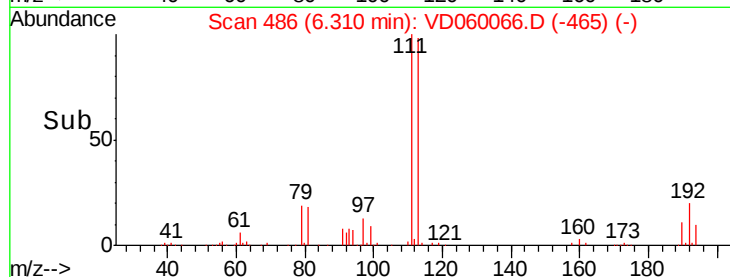
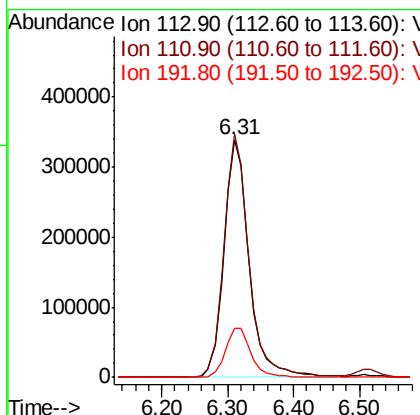
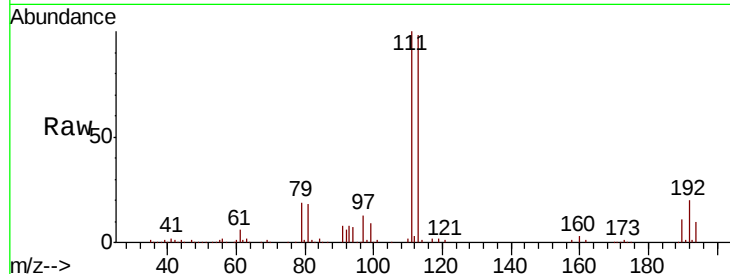
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	81.3	121.9	
192	20.7	18.1	27.1	

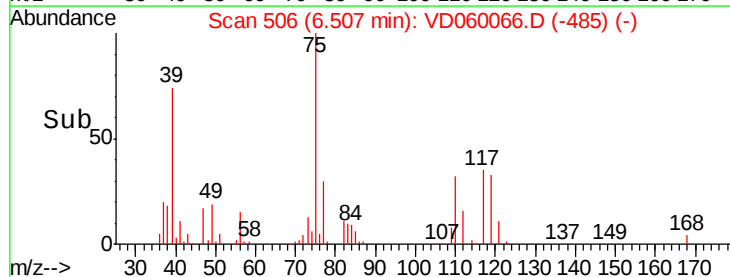
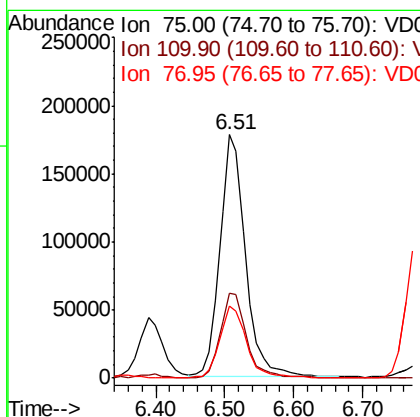
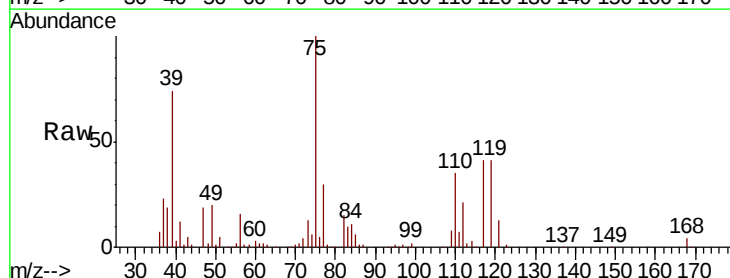
Manual Integrations
 APPROVED

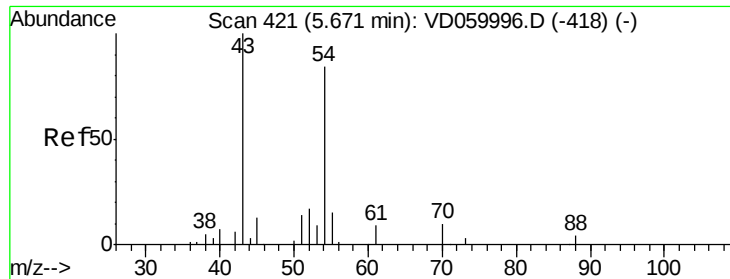
apatel
 9/24/2018 1:02:07 PM



#36
 1,1-Dichloropropene
 Concen: 20.400 ug/l
 RT: 6.51 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.8	18.9	56.9	
77	29.6	25.3	37.9	





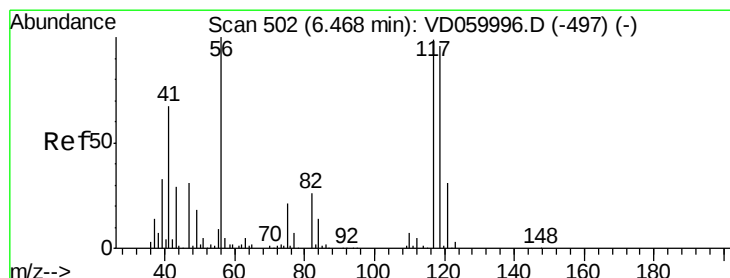
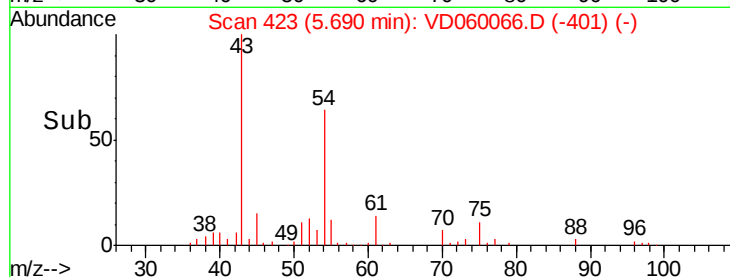
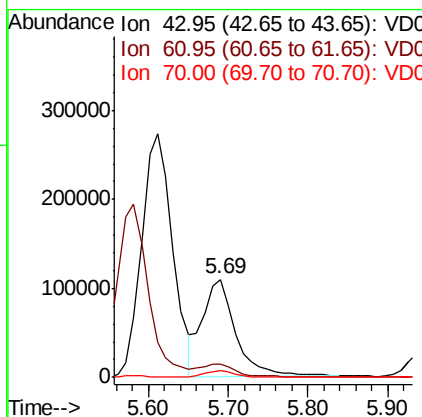
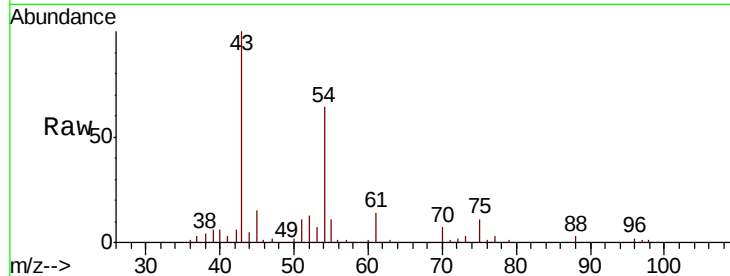
#37
Ethyl Acetate
Concen: 20.565 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.2	15.2
70	7.1	6.1	9.1

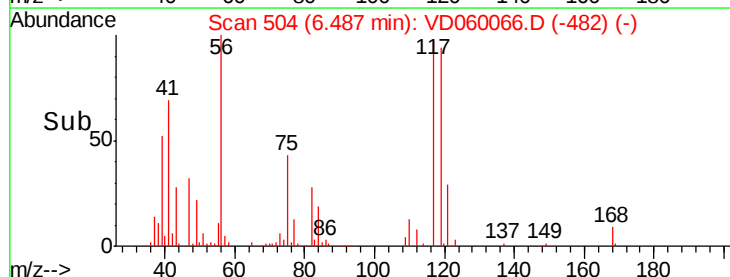
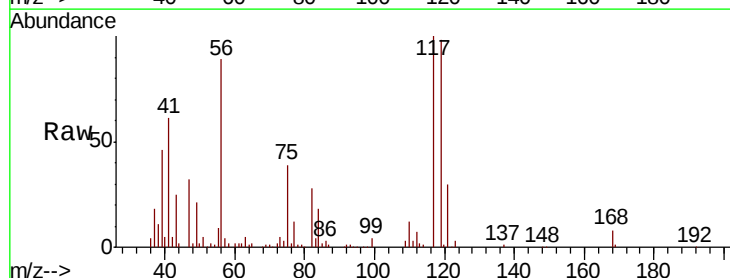
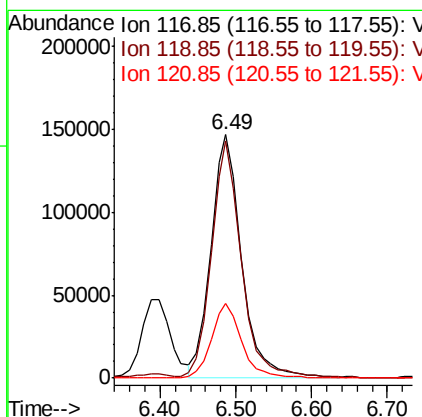
Manual Integrations
APPROVED

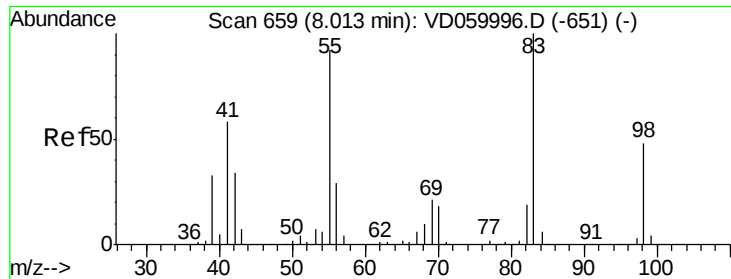
apatel
9/24/2018 1:02:07 PM



#38
Carbon Tetrachloride
Concen: 19.556 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.7	115.1
121	30.4	24.9	37.3





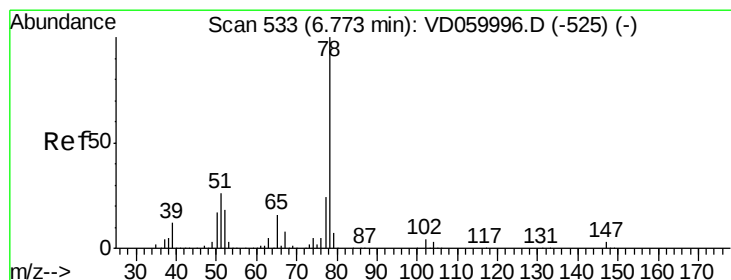
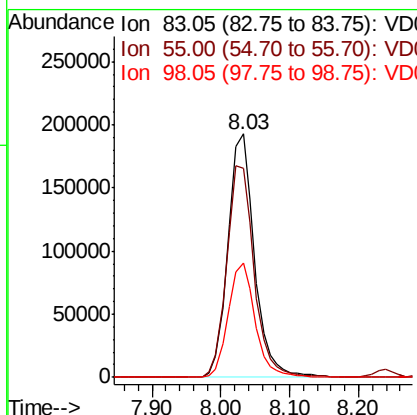
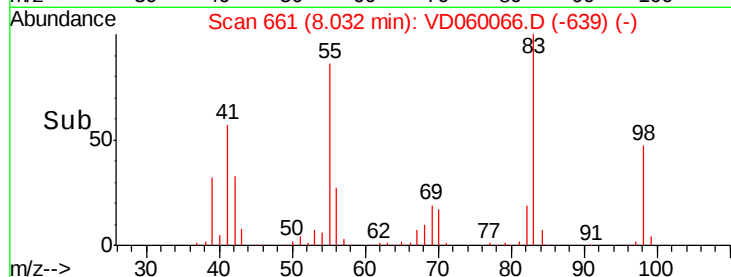
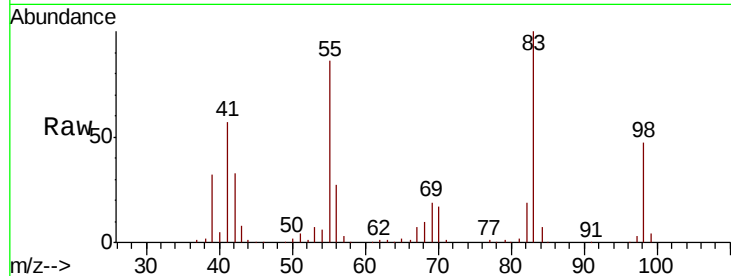
#39
Methvlcvclohexane
Concen: 20.317 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.02 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	83	Resp	514553
Ion Ratio	100	Lower	Upper
83	100		
55	85.7	73.8	110.6
98	46.9	38.1	57.1

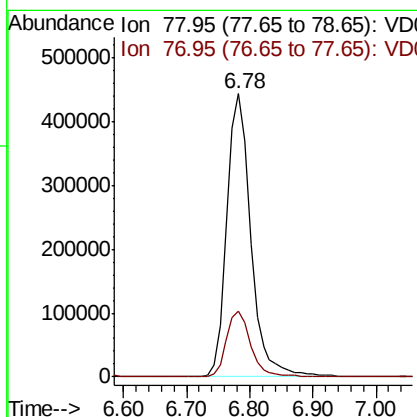
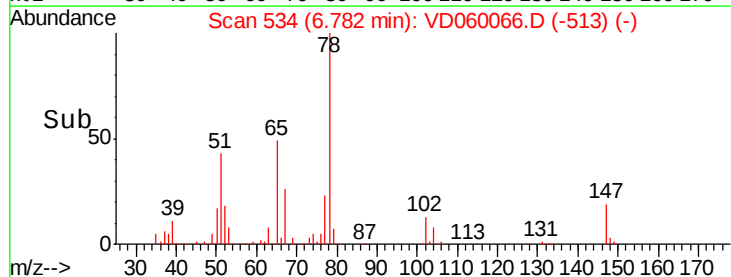
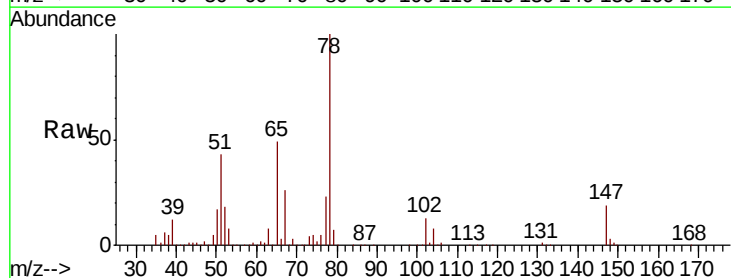
Manual Integrations
APPROVED

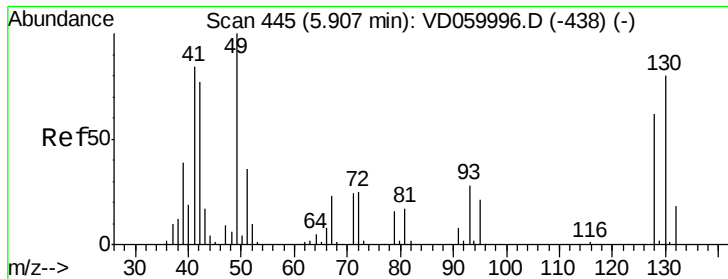
apatel
9/24/2018 1:02:07 PM



#40
Benzene
Concen: 20.466 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion	78	Resp	1167848
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	19.0	28.4





#41

Methacrylonitrile

Concen: 17.120 ug/l m

RT: 5.91 min Scan# 445

Delta R.T. -0.00 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 41 Resp: 138050
Ion Ratio Lower Upper

41 100

39 50.0 37.5 56.3

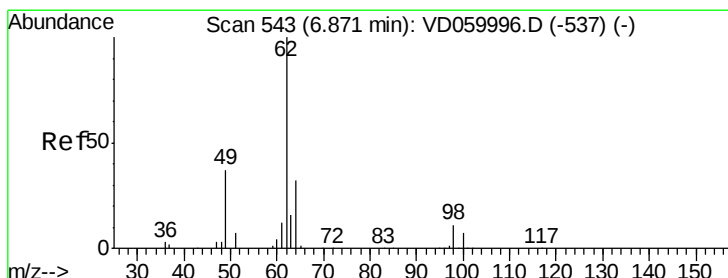
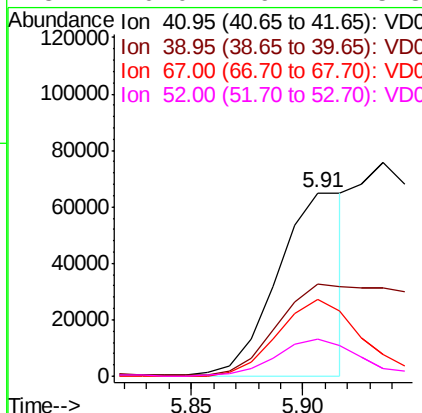
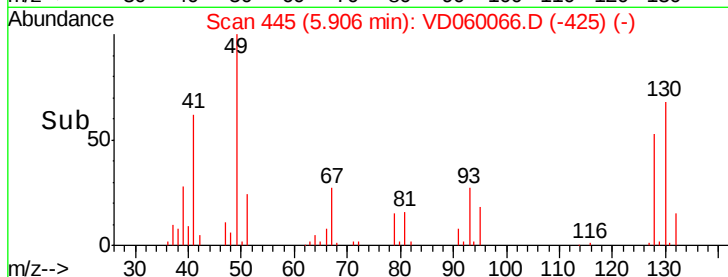
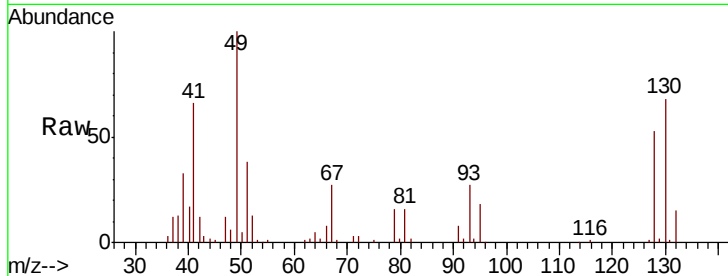
67 41.7 21.5 32.3#

52 20.0 9.2 13.8#

Manual Integrations
APPROVED

apatel

9/24/2018 1:02:07 PM



#42

1,2-Dichloroethane

Concen: 19.994 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

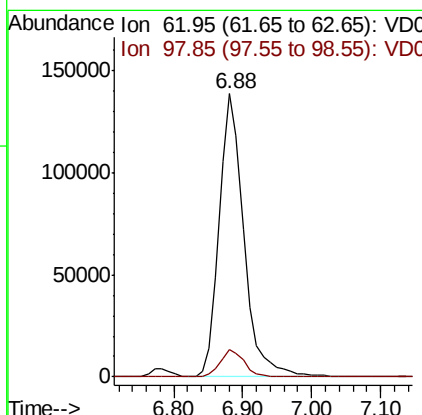
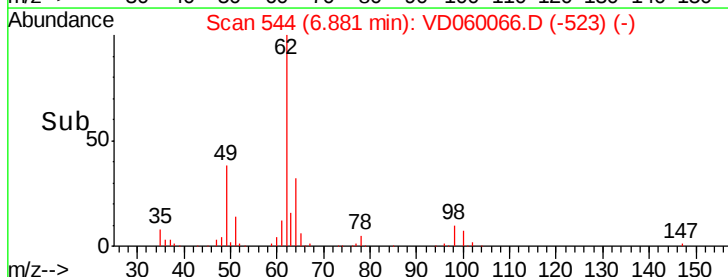
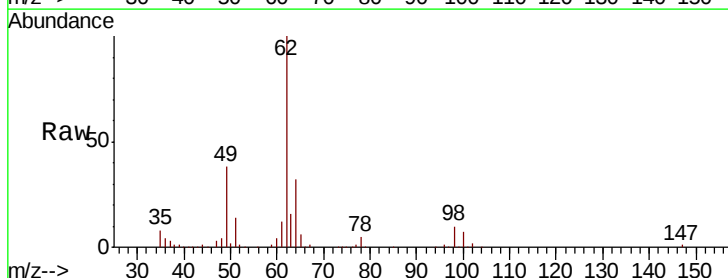
Lab File: VD060066.D

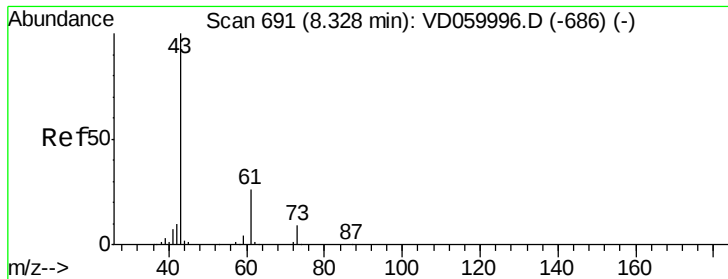
Acq: 21 Sep 2018 12:46

Tgt Ion: 62 Resp: 342583
Ion Ratio Lower Upper

62 100

98 9.7 0.0 21.4





#43

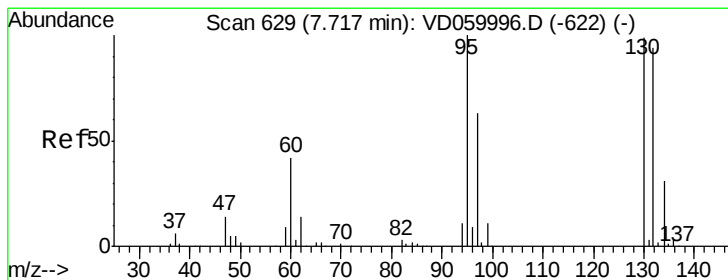
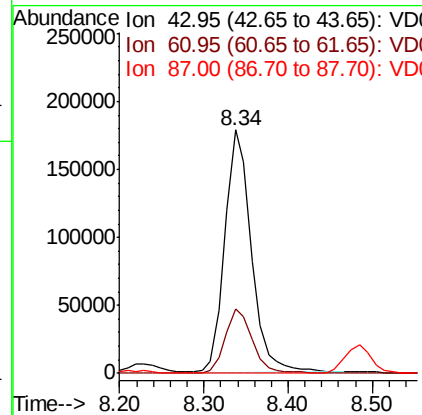
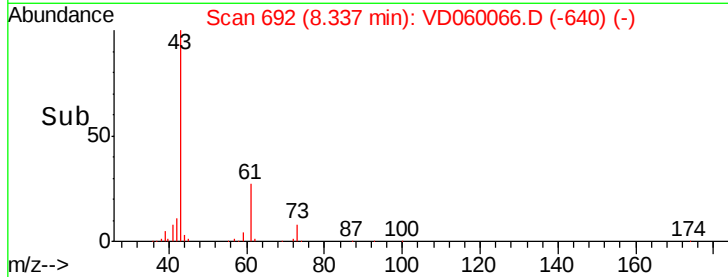
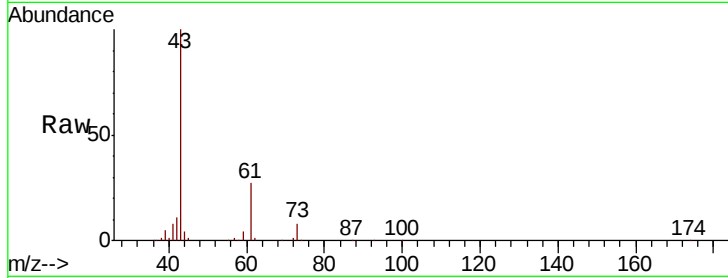
Isopropyl Acetate
 Concen: 18.904 ug/l
 RT: 8.34 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.0	31.6
87	0.3	0.2	0.2#

Manual Integrations
 APPROVED

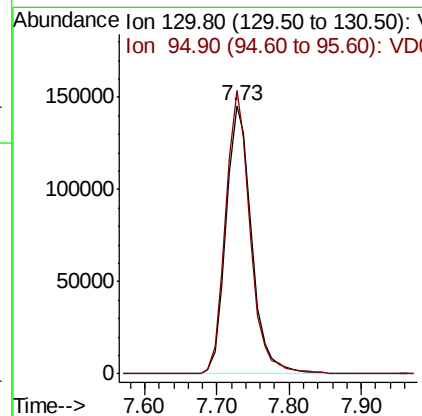
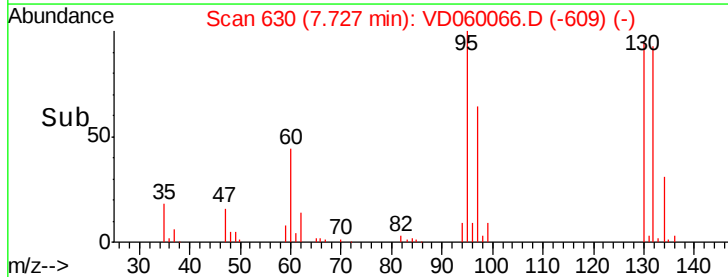
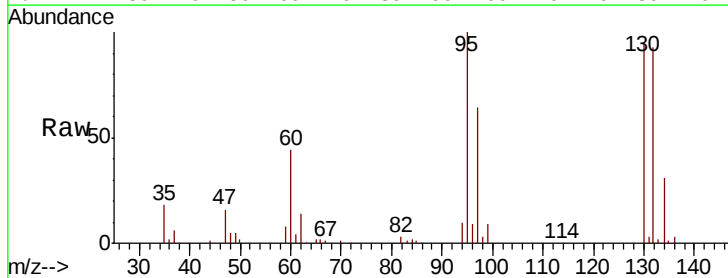
apatel
 9/24/2018 1:02:07 PM

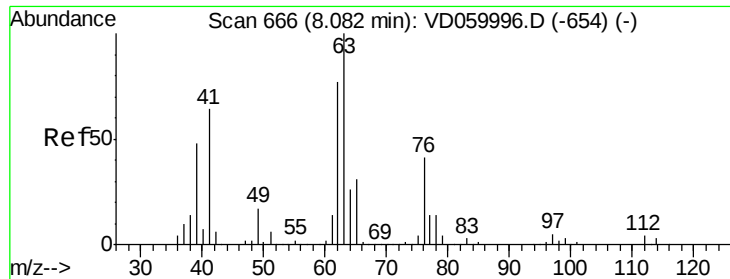


#44

Trichloroethene
 Concen: 20.200 ug/l
 RT: 7.73 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	202.0





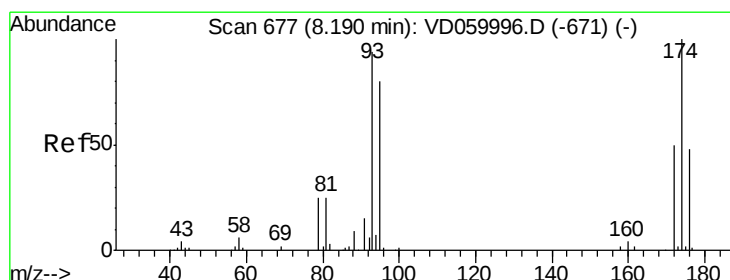
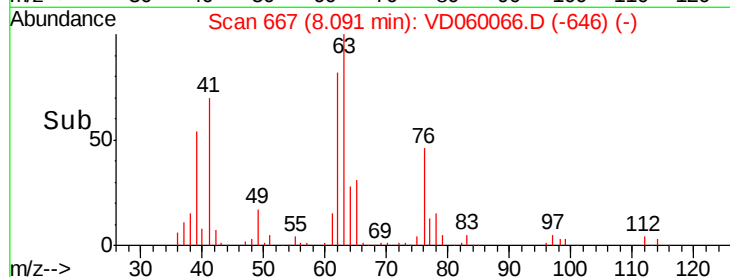
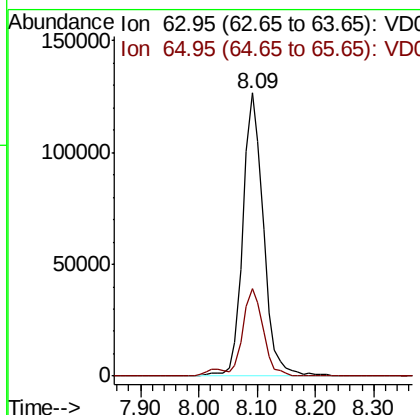
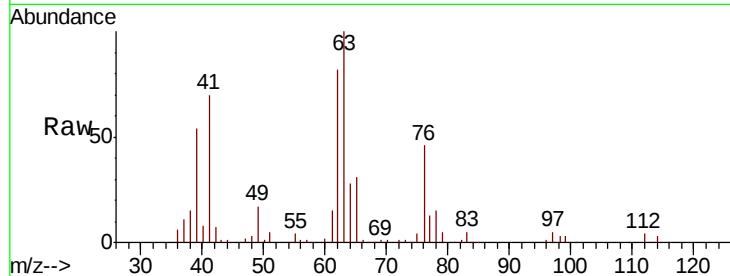
#45
 1,2-Dichloropropane
 Concen: 20.465 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion: 63 Resp: 312271
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 37.0

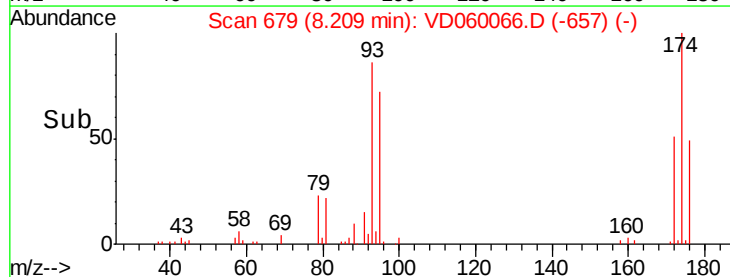
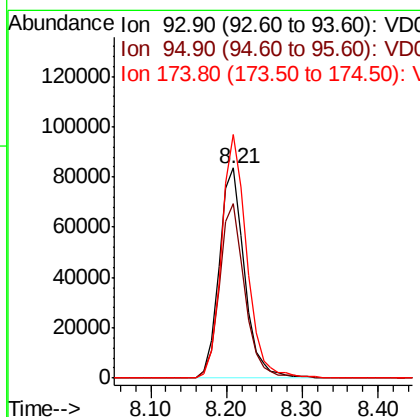
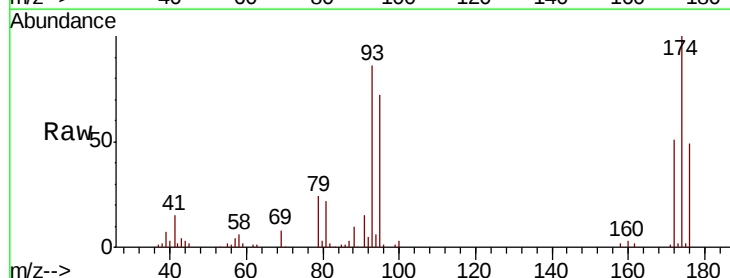
Manual Integrations
 APPROVED

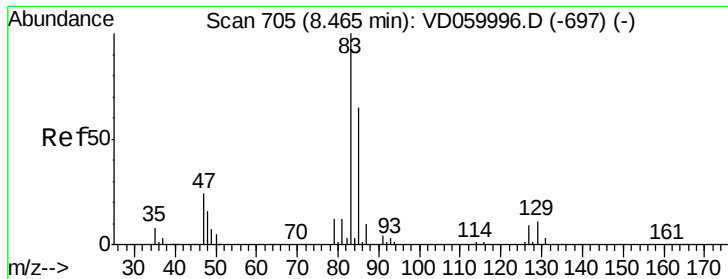
apatel
 9/24/2018 1:02:07 PM



#46
 Dibromomethane
 Concen: 19.594 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. 0.02 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Tgt Ion: 93 Resp: 195071
 Ion Ratio Lower Upper
 93 100
 95 83.1 68.0 102.0
 174 116.0 85.4 128.2





#47

Bromodichloromethane

Concen: 20.445 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

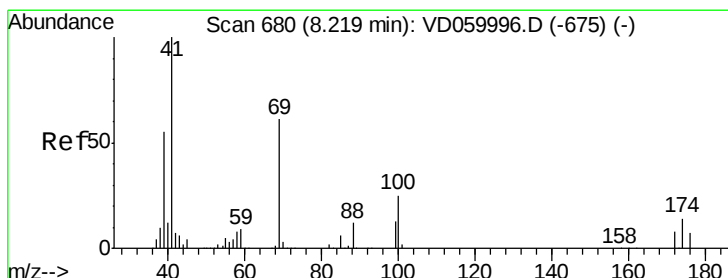
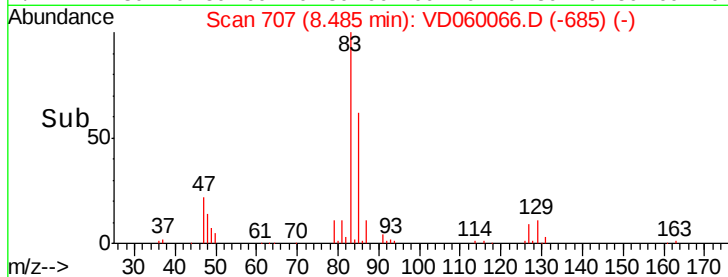
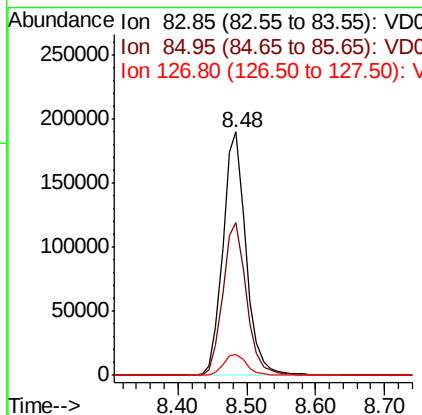
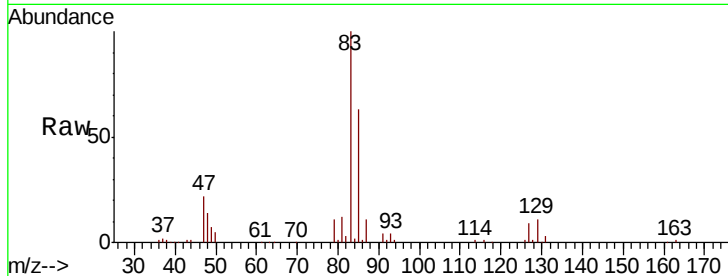
ClientSampleId :

VD0921SBS01

Tot Ion:	83	Resp:	438854
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.9	77.9
127	8.8	6.8	10.2

Manual Integrations
APPROVED

apatel
9/24/2018 1:02:07 PM



#48

Methyl methacrylate

Concen: 19.365 ug/l

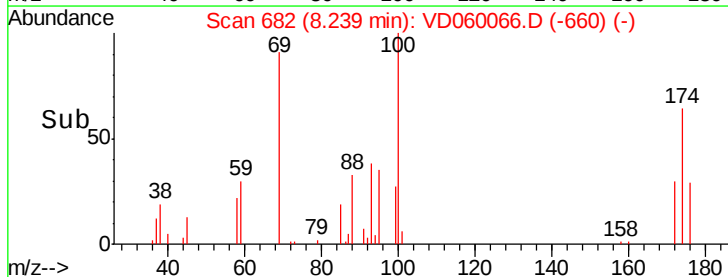
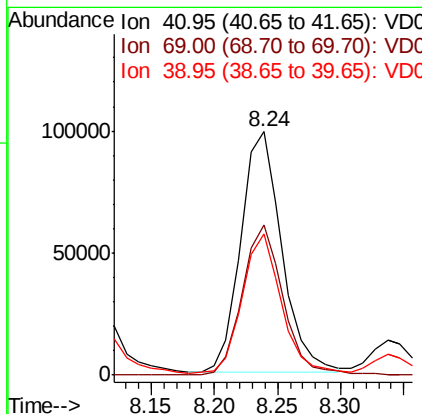
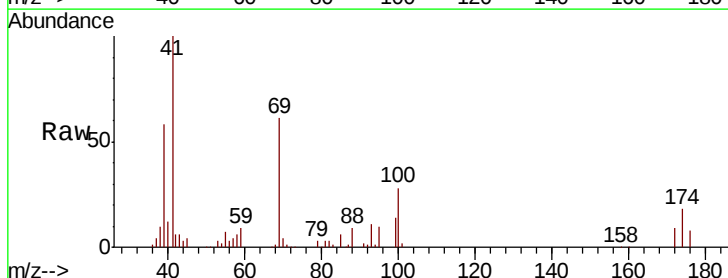
RT: 8.24 min Scan# 682

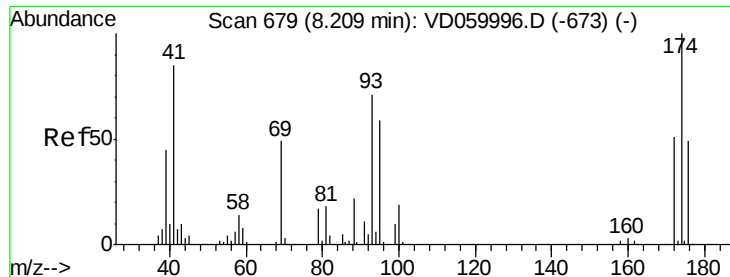
Delta R.T. 0.02 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Tgt Ion:	41	Resp:	222328
Ion Ratio	Lower	Upper	
41	100		
69	61.5	48.3	72.5
39	58.0	44.1	66.1





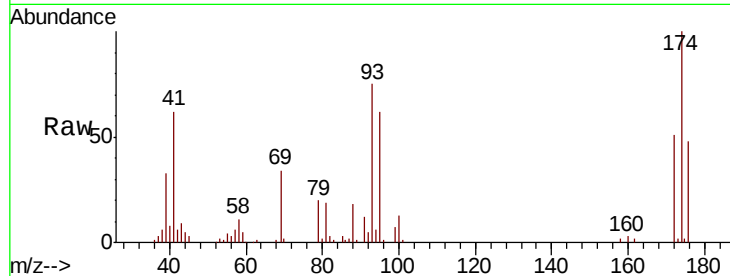
#49
1,4-Dioxane
Concen: 361.734 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

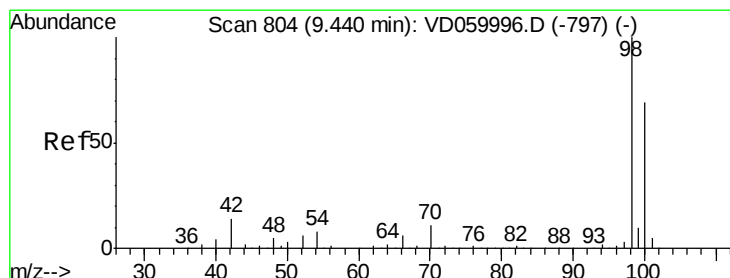
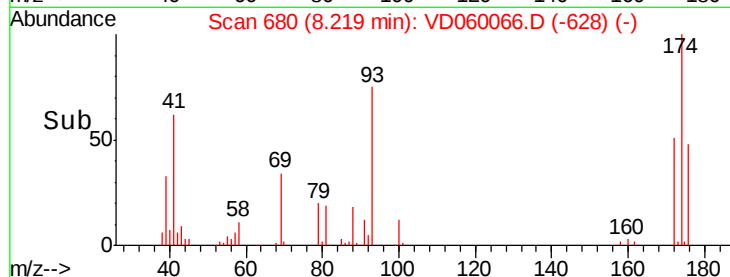
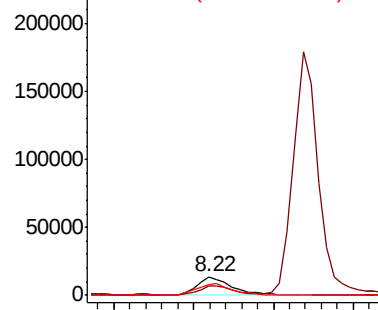
Tot Ion	88	Resp	41249
Ion Ratio	100	Lower	Upper
43	47.4	36.2	54.2
58	60.9	51.0	76.6

Manual Integrations
APPROVED

apatel
9/24/2018 1:02:07 PM

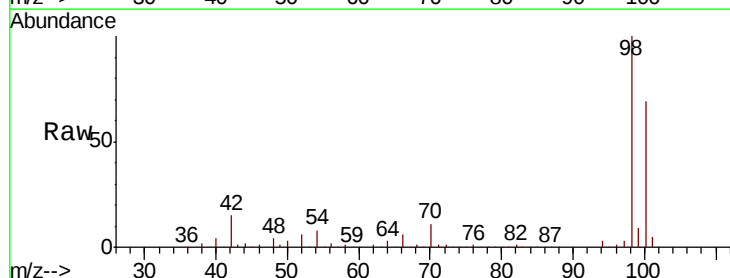


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

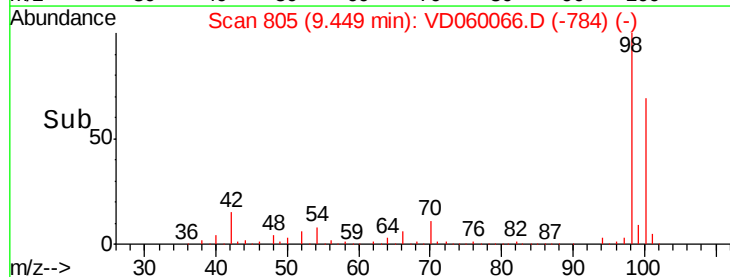
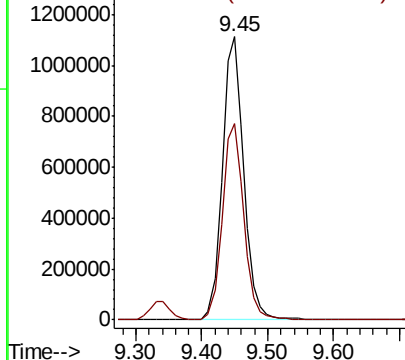


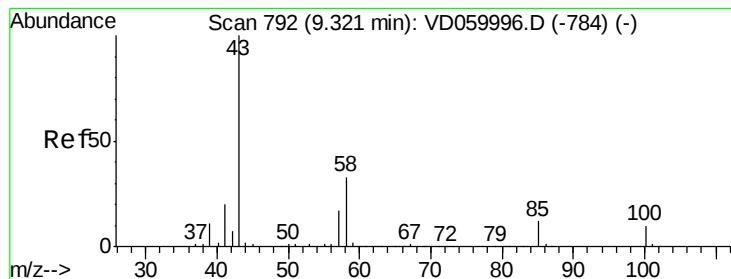
#50
Toluene-d8
Concen: 361.734 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion	98	Resp	2513750
Ion Ratio	100	Lower	Upper
100	69.5	55.8	83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 104.438 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 43 Resp: 1580287

Ion Ratio Lower Upper

43 100

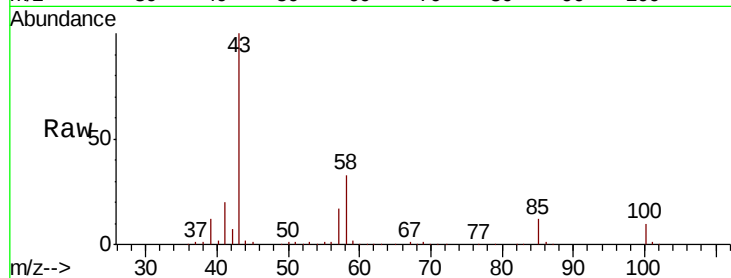
58 33.4 26.4 39.6

Manual Integrations

APPROVED

apatel

9/24/2018 1:02:07 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

800000

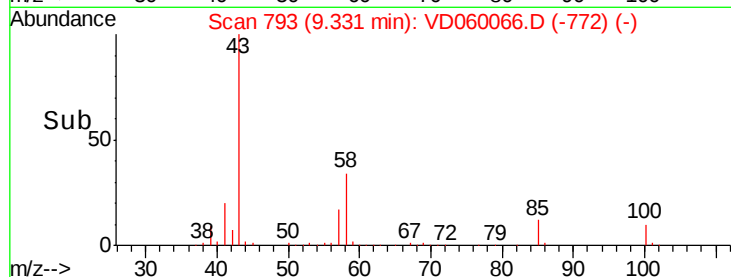
600000

400000

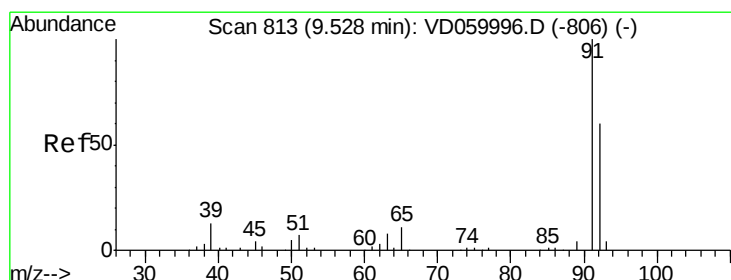
200000

0

Time-->



Time-->



#52

Toluene

Concen: 21.118 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060066.D

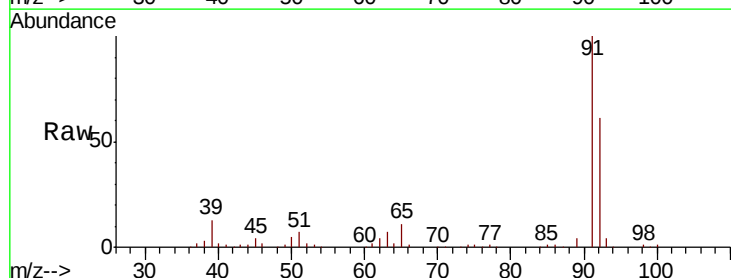
Acq: 21 Sep 2018 12:46

Tgt Ion: 92 Resp: 772427

Ion Ratio Lower Upper

92 100

91 163.3 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

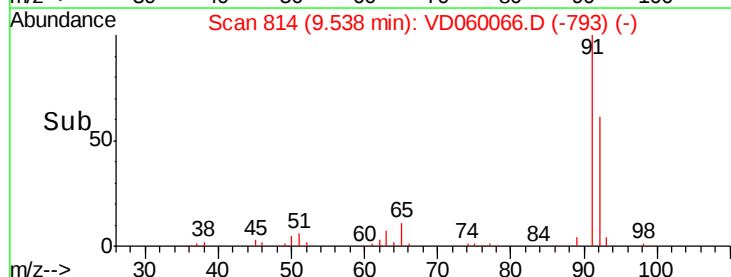
600000

400000

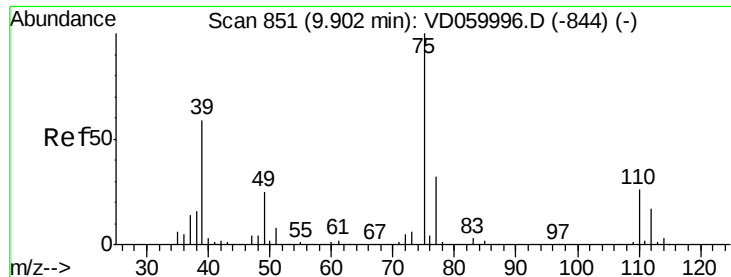
200000

0

Time-->



Time-->



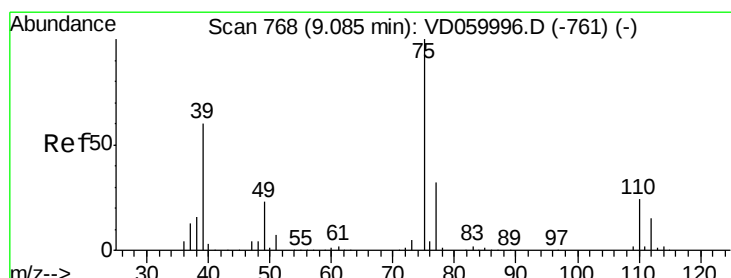
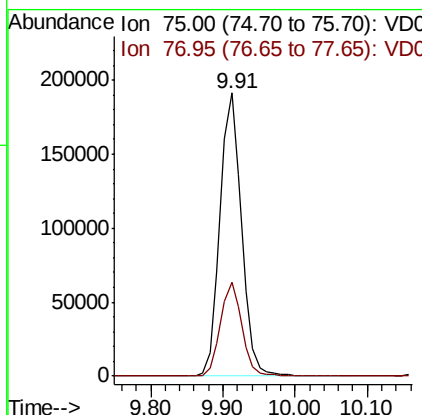
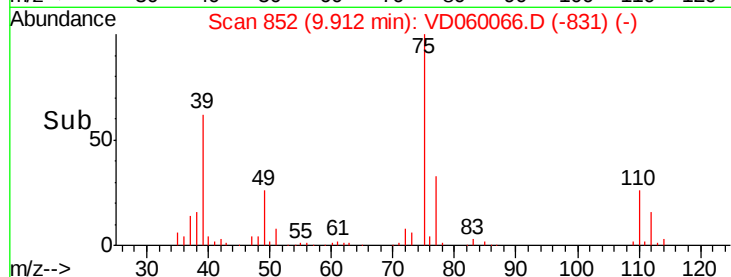
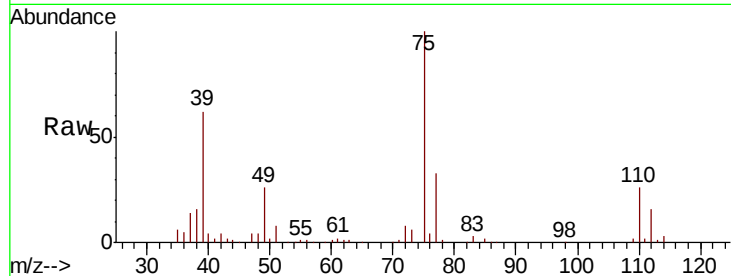
#53
t-1,3-Dichloropropene
Concen: 19.687 ug/l
RT: 9.91 min Scan# 852
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 75 Resp: 394116
Ion Ratio Lower Upper
75 100
77 33.3 25.6 38.4

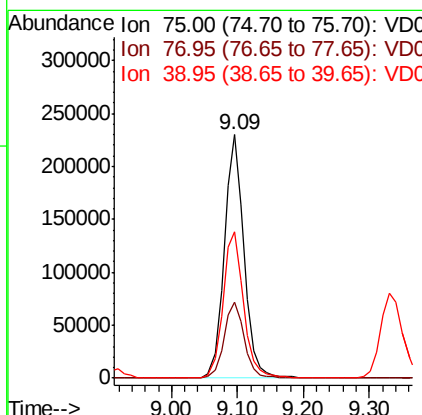
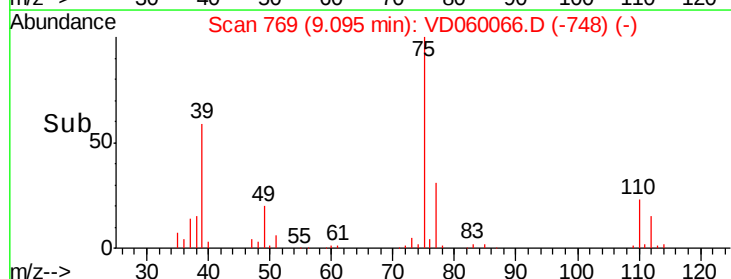
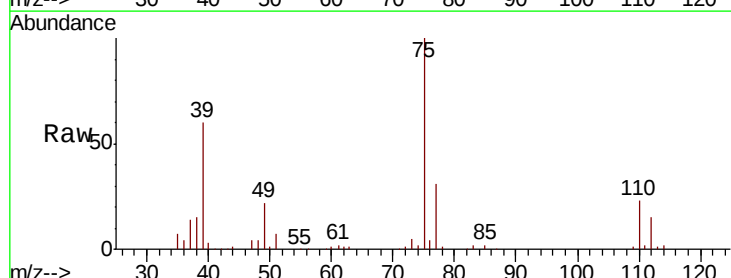
Manual Integrations
APPROVED

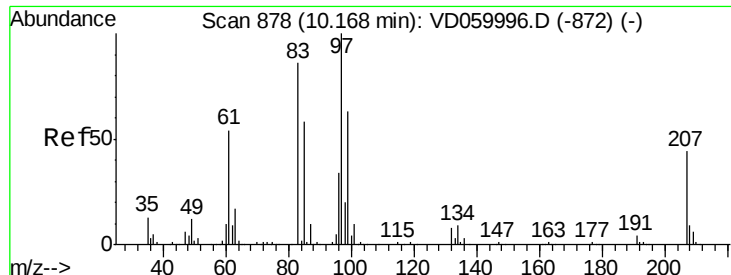
apatel
9/24/2018 1:02:07 PM



#54
cis-1,3-Dichloropropene
Concen: 20.069 ug/l
RT: 9.09 min Scan# 769
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion: 75 Resp: 480041
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
39 60.4 48.0 72.0





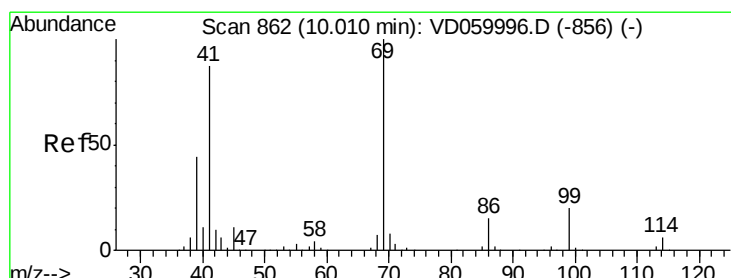
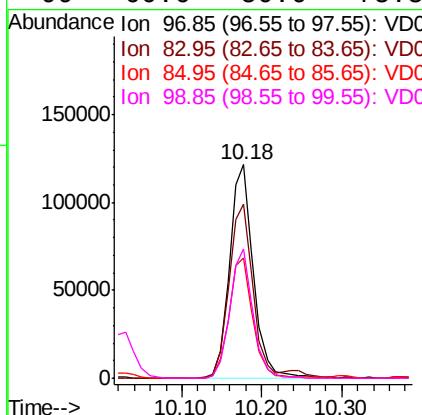
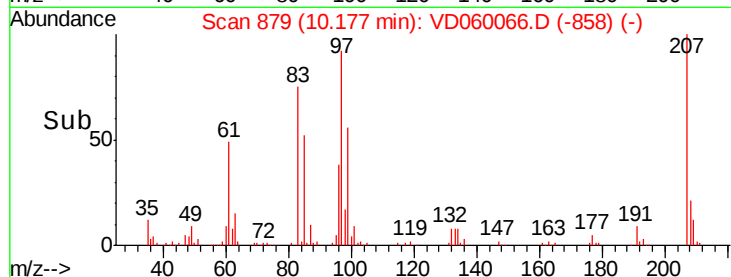
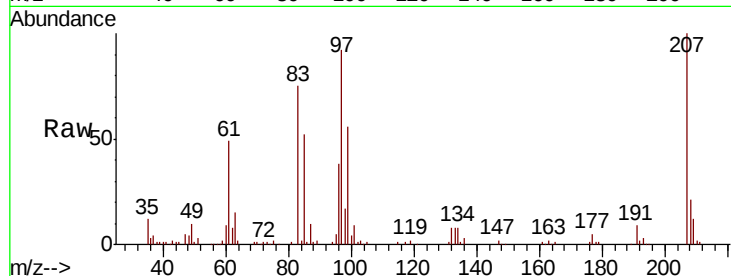
#55
 1,1,2-Trichloroethane
 Concen: 19.946 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	253302		
83	81.7	69.1	103.7	
85	56.4	46.2	69.4	
99	60.6	50.6	75.8	

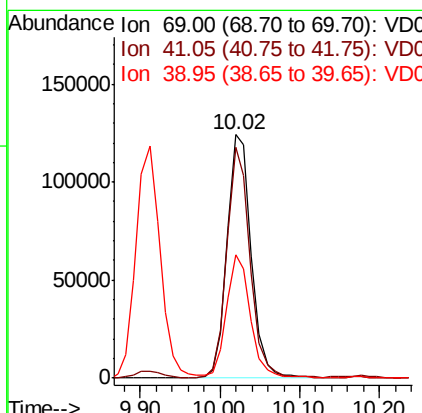
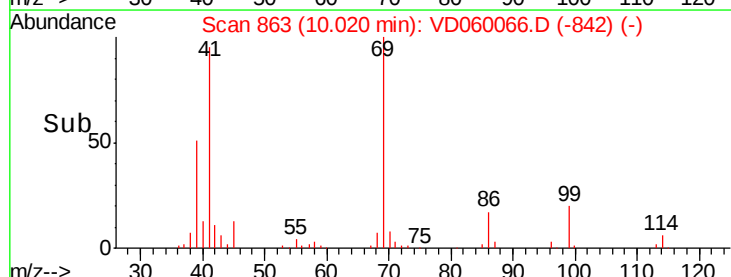
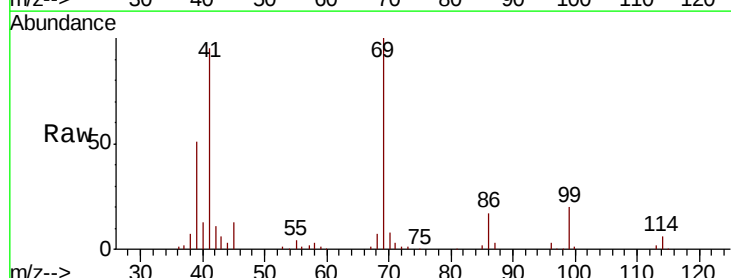
Manual Integrations
 APPROVED

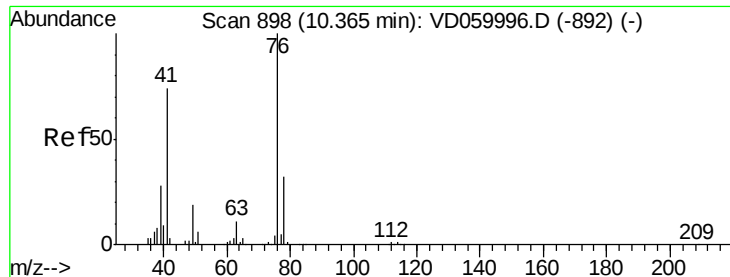
apatel
 9/24/2018 1:02:07 PM



#56
 Ethyl methacrylate
 Concen: 18.838 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	265354		
41	95.0	70.1	105.1	
39	50.7	36.5	54.7	





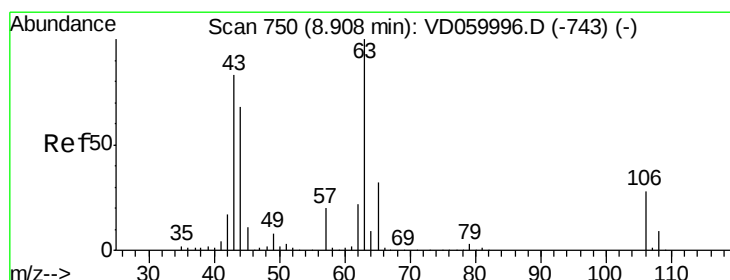
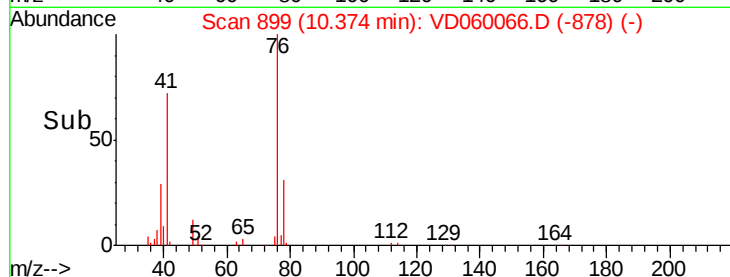
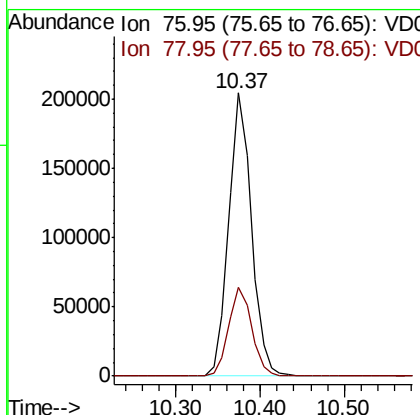
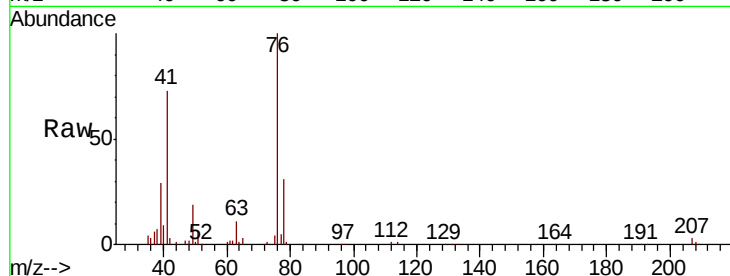
#57
 1,3-Dichloropropane
 Concen: 20.530 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion: 76 Resp: 384852
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.3 37.9

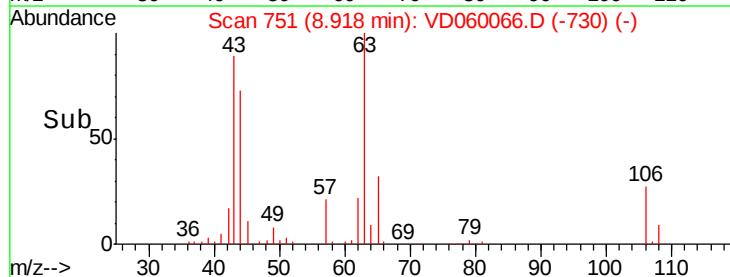
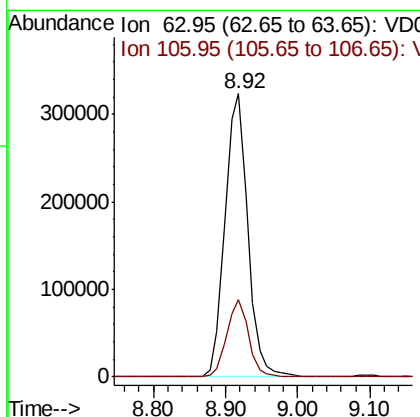
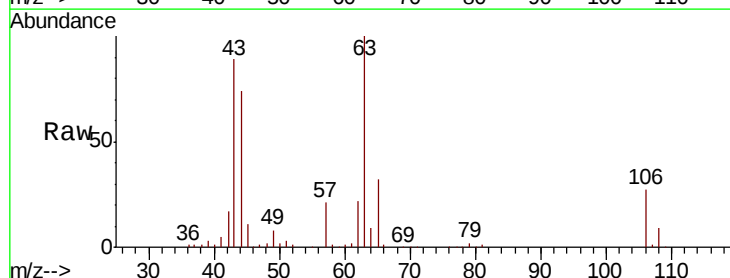
Manual Integrations
 APPROVED

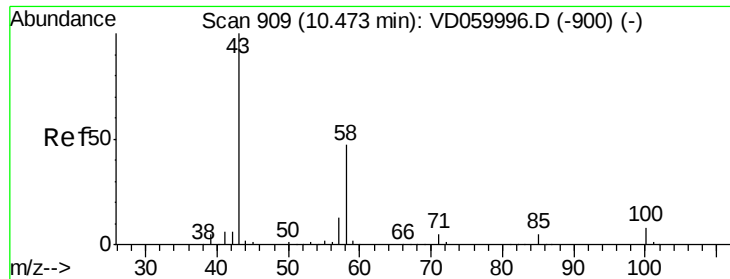
apatel
 9/24/2018 1:02:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.519 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Tgt Ion: 63 Resp: 710937
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.0 33.0





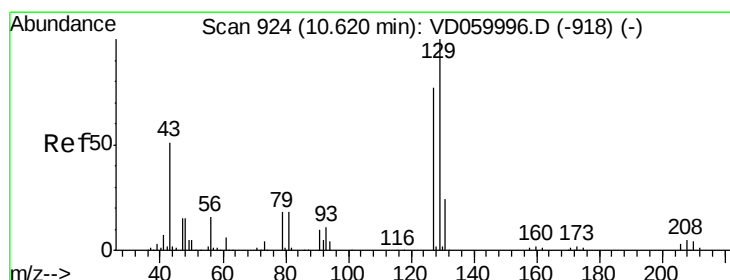
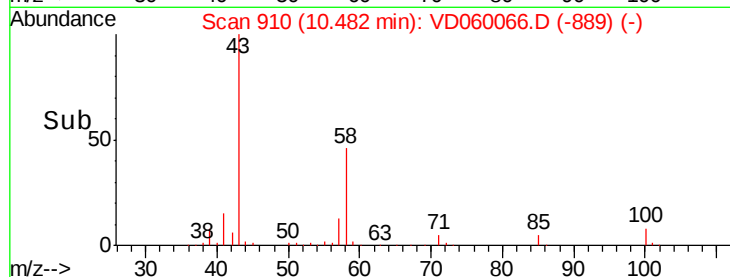
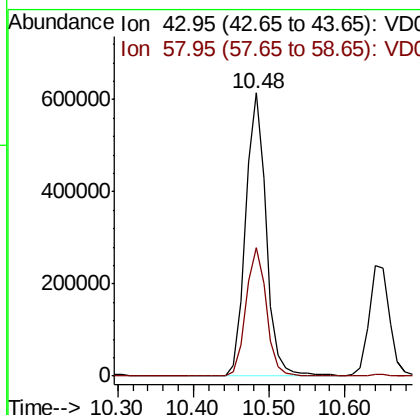
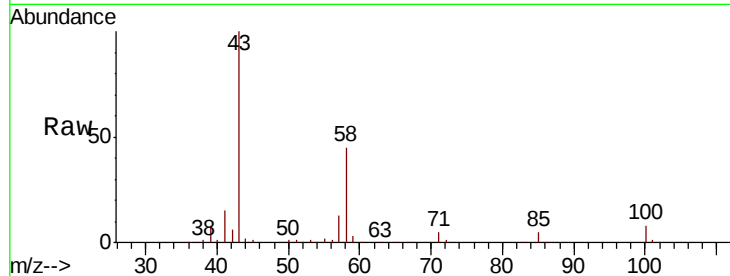
#59
2-Hexanone
Concen: 105.479 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 43 Resp: 1148948
Ion Ratio Lower Upper
43 100
58 45.5 23.4 70.0

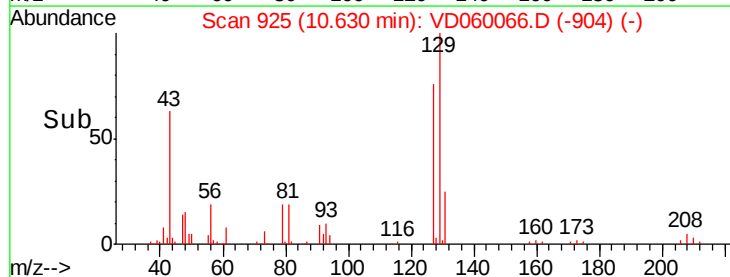
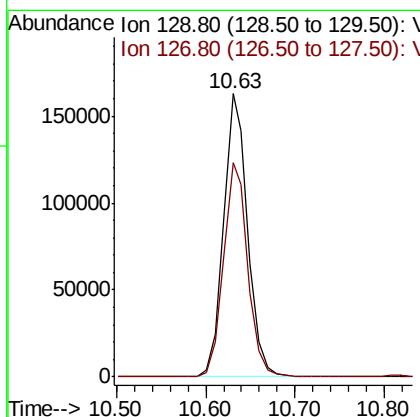
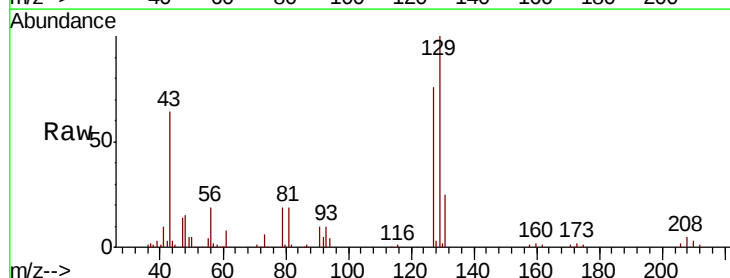
Manual Integrations
APPROVED

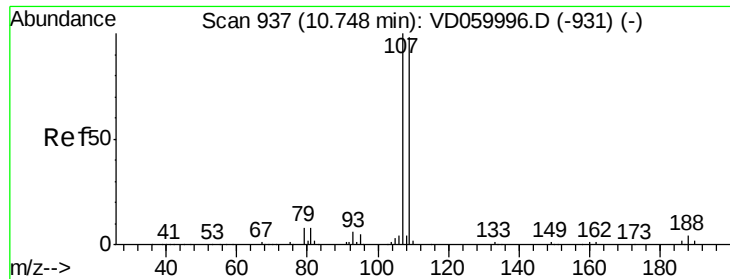
apatel
9/24/2018 1:02:07 PM



#60
Dibromochloromethane
Concen: 19.981 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion: 129 Resp: 308857
Ion Ratio Lower Upper
129 100
127 75.8 38.6 116.0





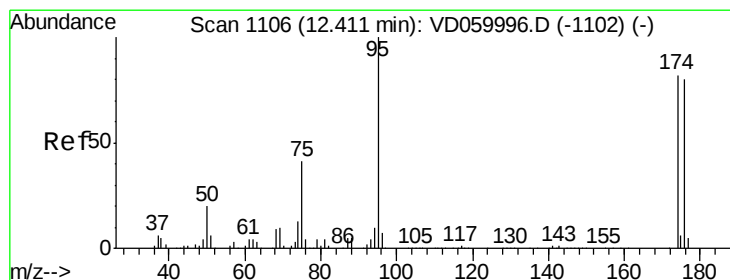
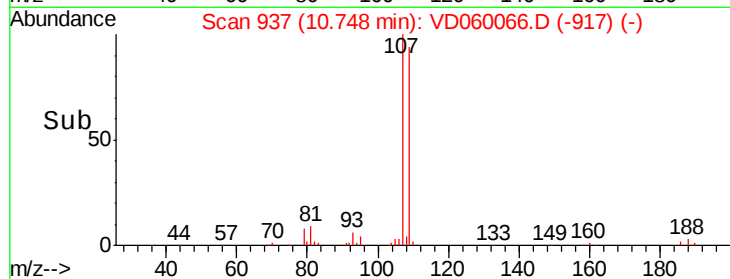
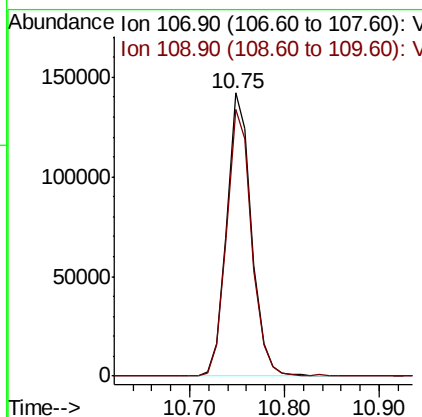
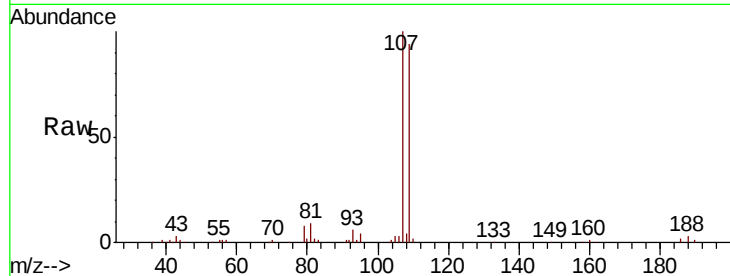
#61
 1,2-Dibromoethane
 Concen: 19.566 ug/l
 RT: 10.75 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	78.2	117.2

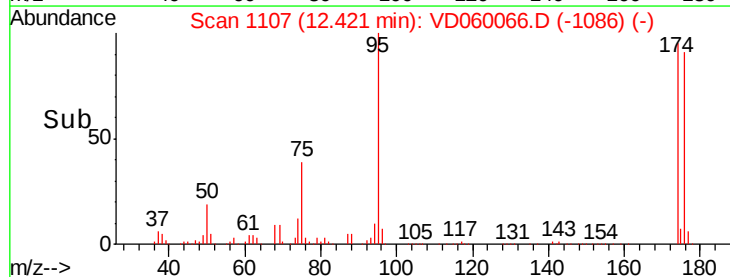
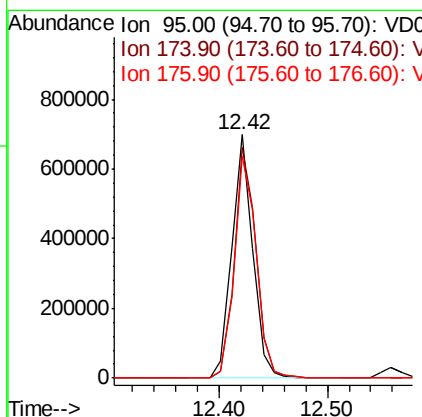
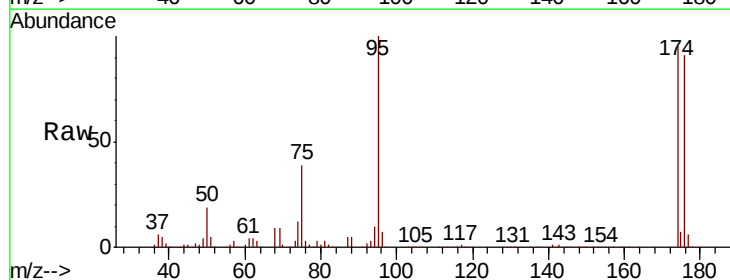
Manual Integrations
 APPROVED

apatel
 9/24/2018 1:02:07 PM



#62
 4-Bromofluorobenzene
 Concen: 19.566 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	165.0
176	91.2	0.0	160.2





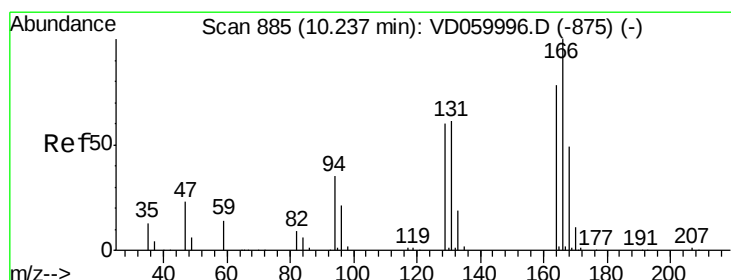
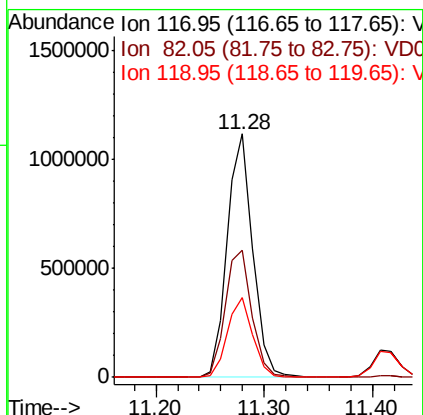
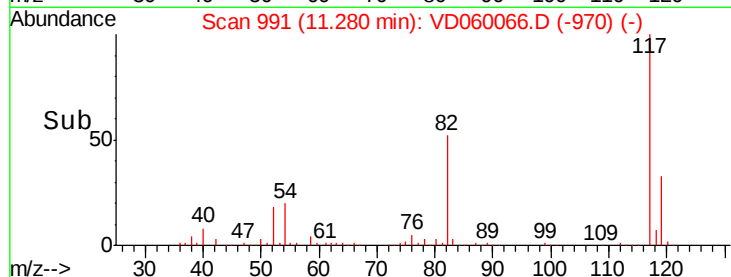
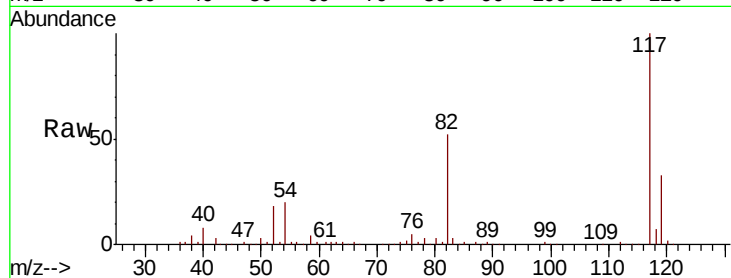
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion:117 Resp: 1830771
Ion Ratio Lower Upper
117 100
82 52.2 41.7 62.5
119 32.7 26.0 39.0

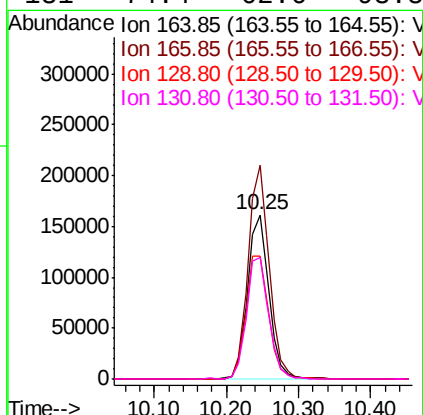
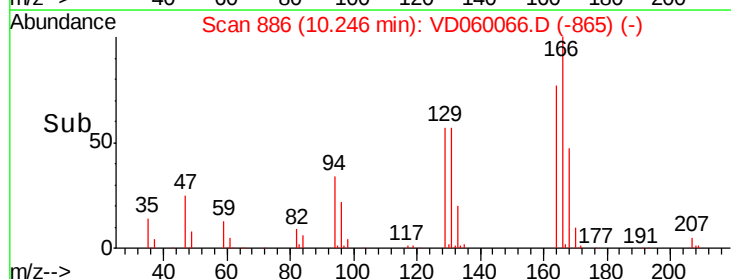
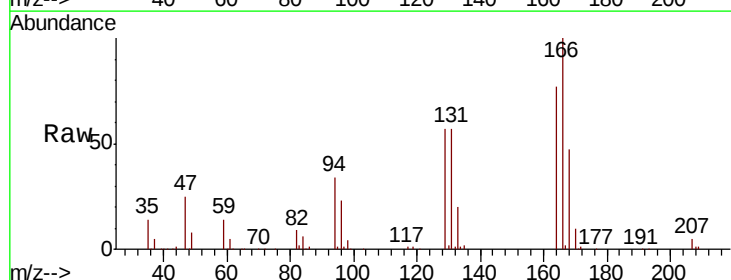
Manual Integrations
APPROVED

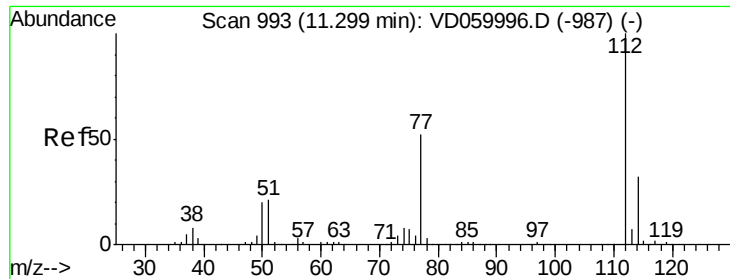
apatel
9/24/2018 1:02:07 PM



#64
Tetrachloroethene
Concen: 20.794 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion:164 Resp: 335885
Ion Ratio Lower Upper
164 100
166 130.1 103.0 154.6
129 74.8 61.9 92.9
131 74.4 62.6 93.8





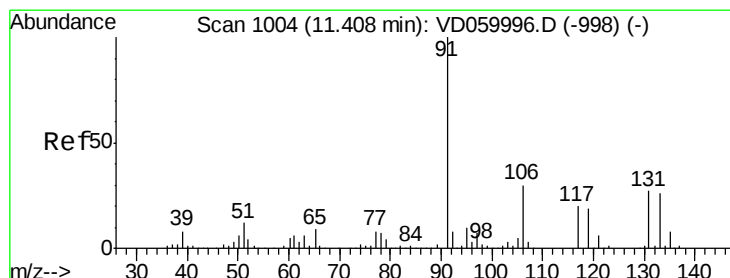
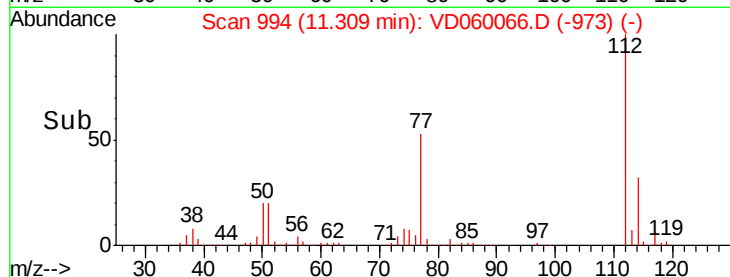
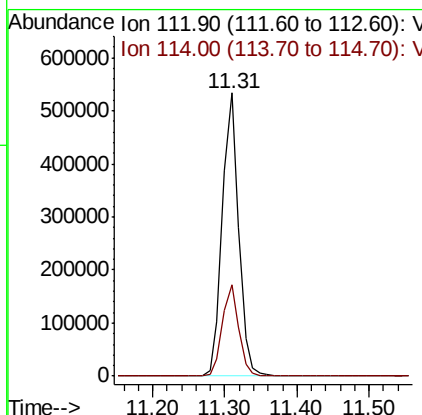
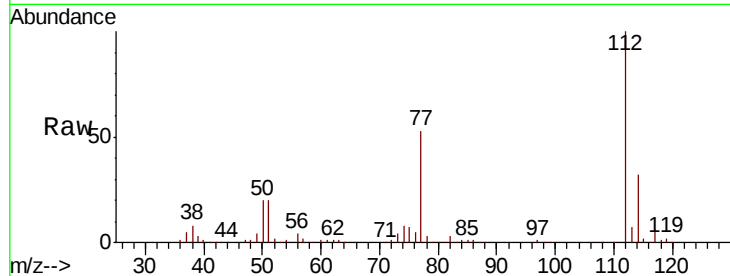
#65
Chlorobenzene
Concen: 21.233 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion:112 Resp: 835748
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

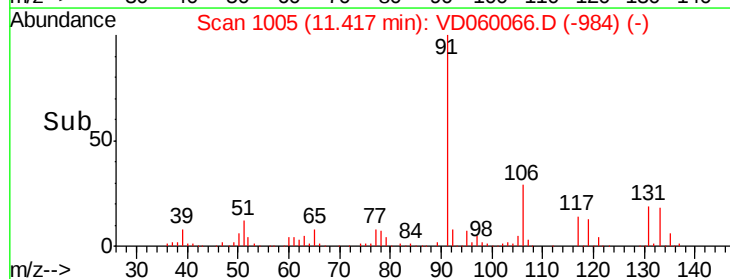
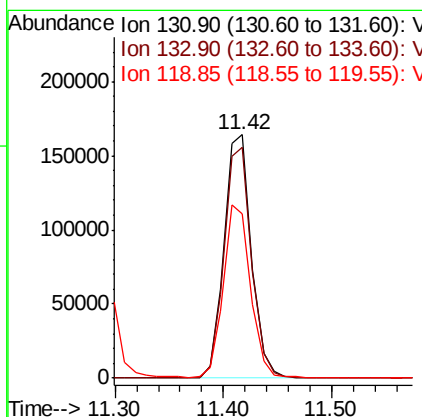
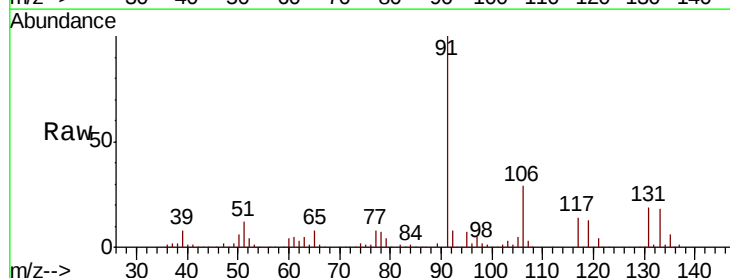
Manual Integrations
APPROVED

apatel
9/24/2018 1:02:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.706 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion:131 Resp: 288169
Ion Ratio Lower Upper
131 100
133 94.7 47.4 142.3
119 67.5 35.6 106.9





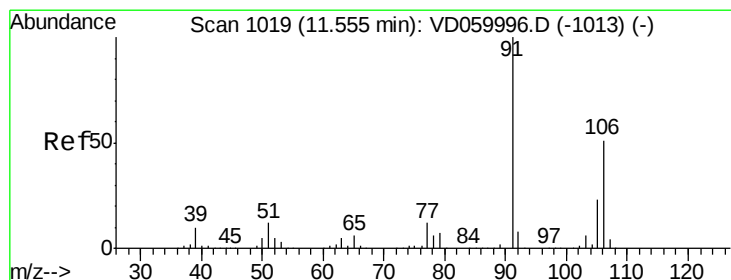
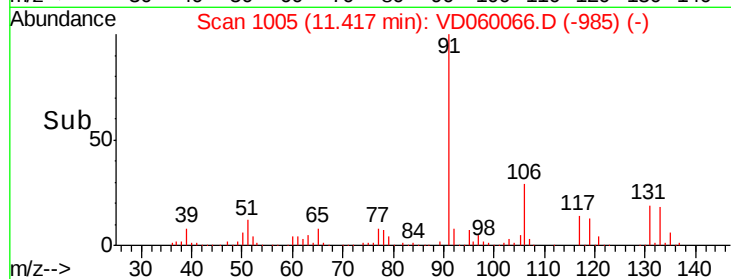
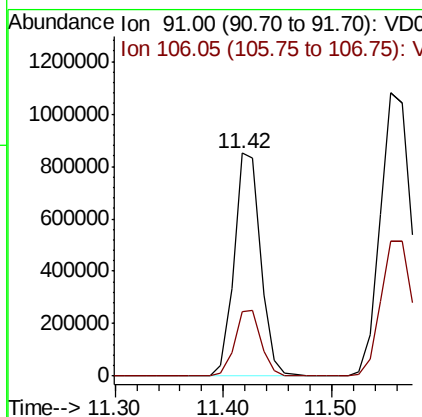
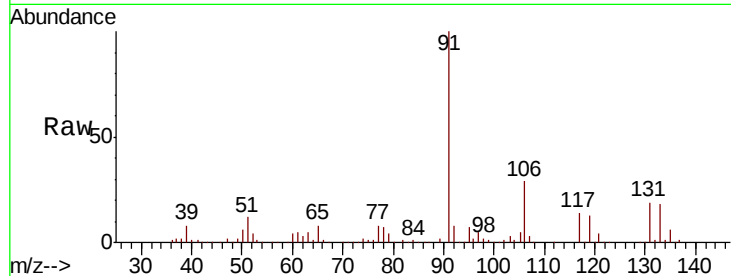
#67
Ethyl Benzene
Concen: 22.875 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 91 Resp: 1448989
Ion Ratio Lower Upper
91 100
106 28.7 24.8 37.2

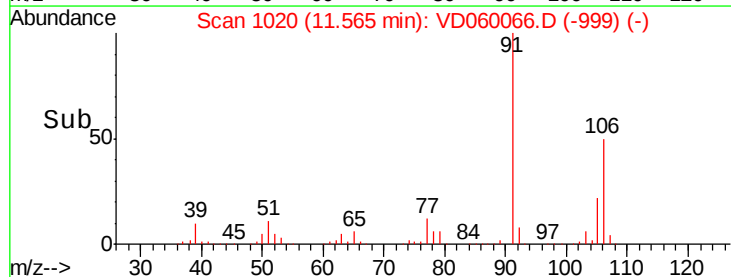
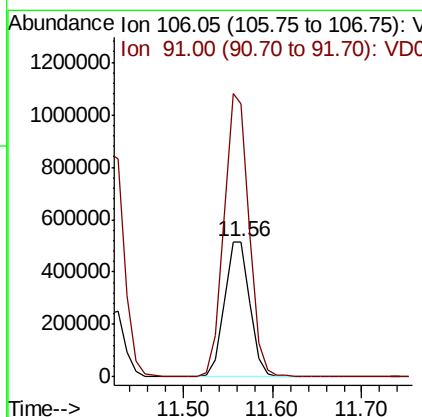
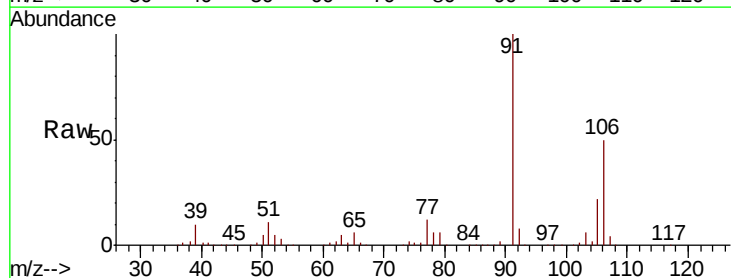
Manual Integrations
APPROVED

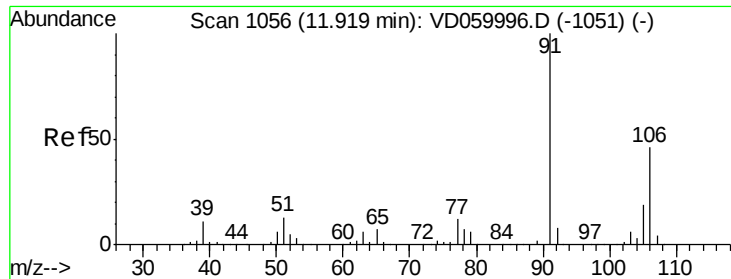
apatel
9/24/2018 1:02:07 PM



#68
m/p-Xylenes
Concen: 44.449 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion:106 Resp: 1039833
Ion Ratio Lower Upper
106 100
91 201.8 157.0 235.6





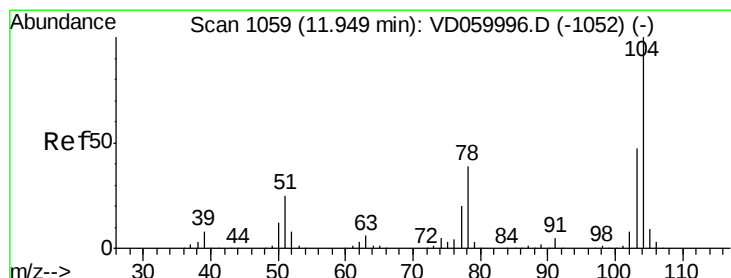
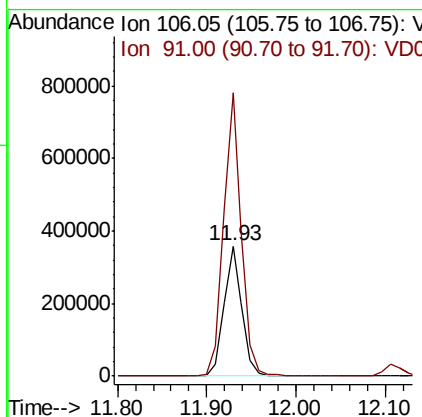
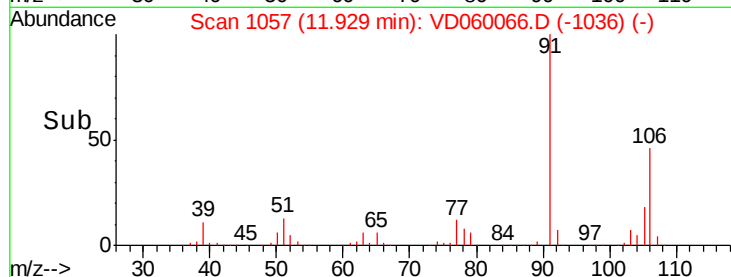
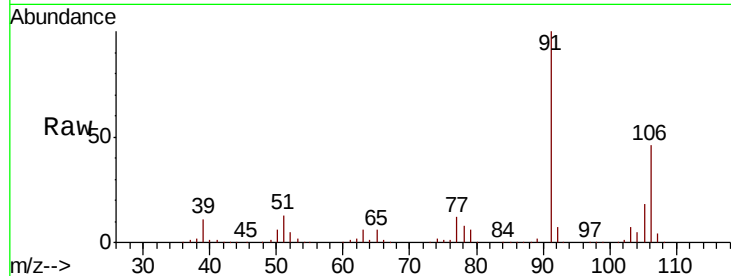
#69
o-Xylene
Concen: 21.928 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion:106 Resp: 508287
Ion Ratio Lower Upper
106 100
91 217.8 107.7 323.1

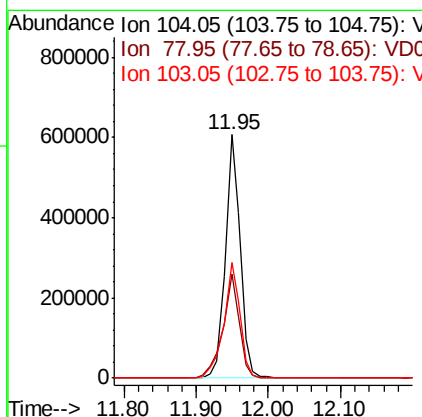
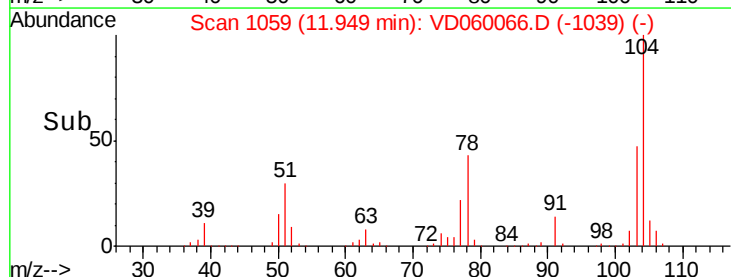
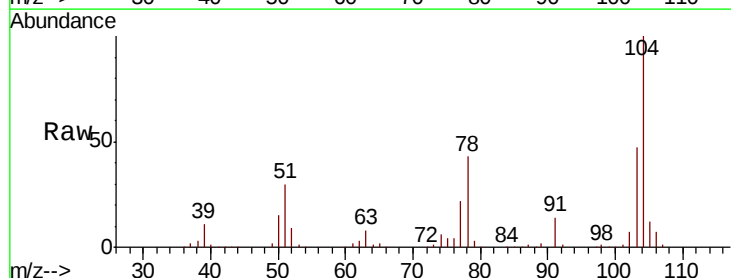
Manual Integrations
APPROVED

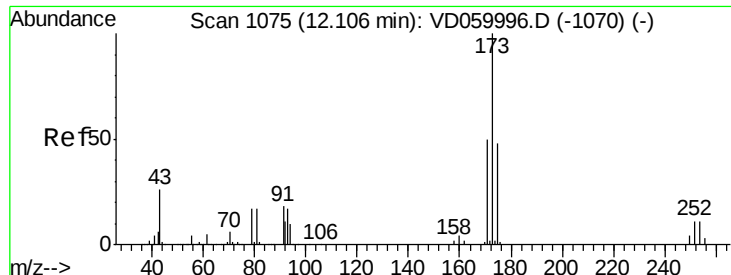
apatel
9/24/2018 1:02:07 PM



#70
Styrene
Concen: 21.970 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion:104 Resp: 856277
Ion Ratio Lower Upper
104 100
78 42.9 31.0 46.4
103 47.3 37.6 56.4





#71

Bromoform

Concen: 18.716 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion:173 Resp: 213475

Ion Ratio Lower Upper

173 100

175 51.3 24.0 72.0

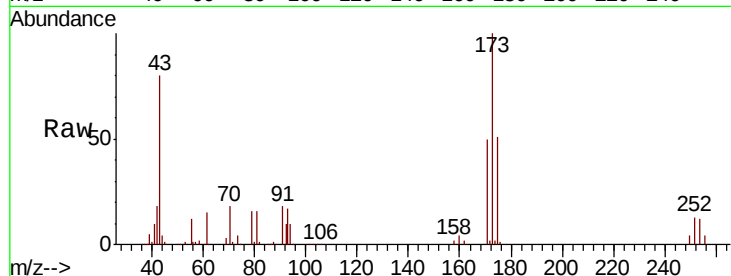
254 12.0 8.6 13.0

Manual Integrations

APPROVED

apatel

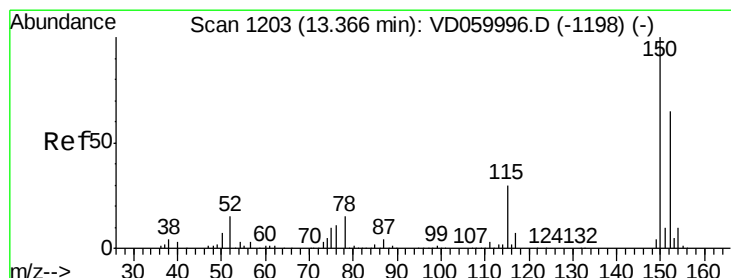
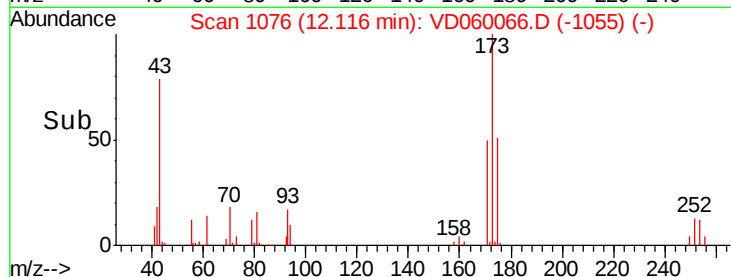
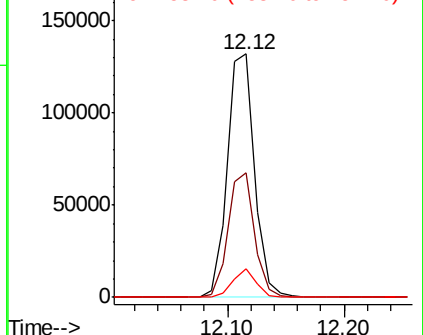
9/24/2018 1:02:07 PM



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# 1203

Delta R.T. -0.00 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

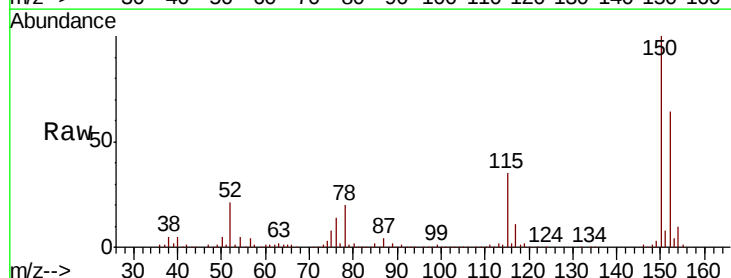
Tgt Ion:152 Resp: 984390

Ion Ratio Lower Upper

152 100

115 54.1 24.6 73.8

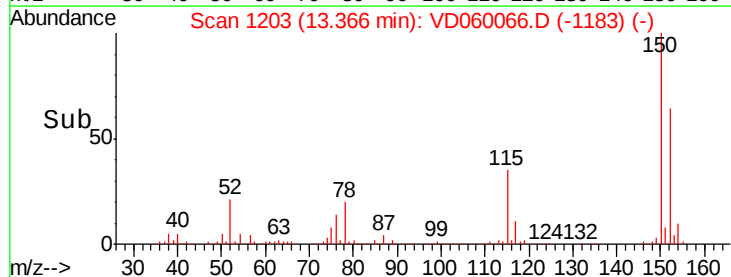
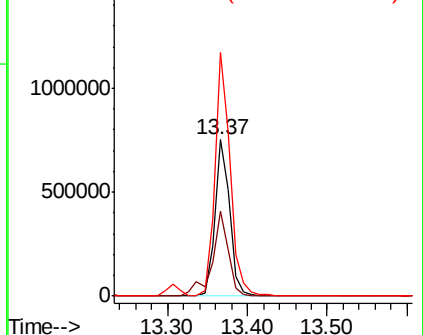
150 155.6 0.0 313.4

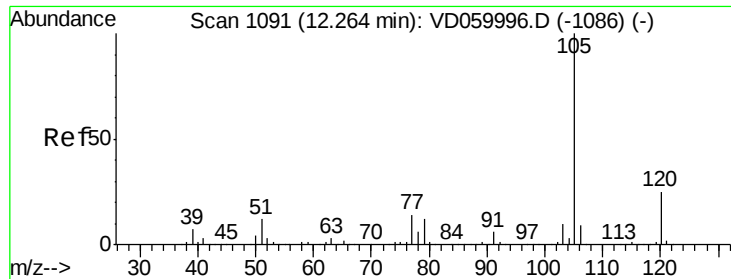


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.954 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleID :

VD0921SBS01

Tot Ion:105 Resp: 1352839

Ion Ratio Lower Upper

105 100

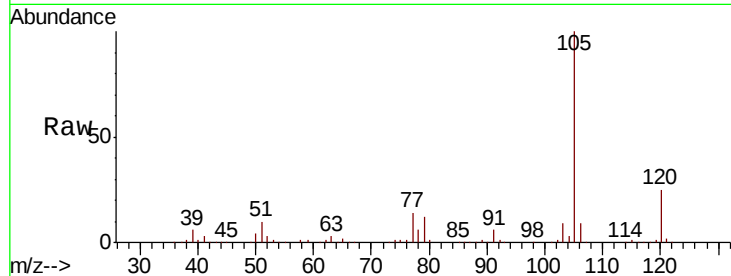
120 24.9

12.3 36.9

Manual Integrations
APPROVED

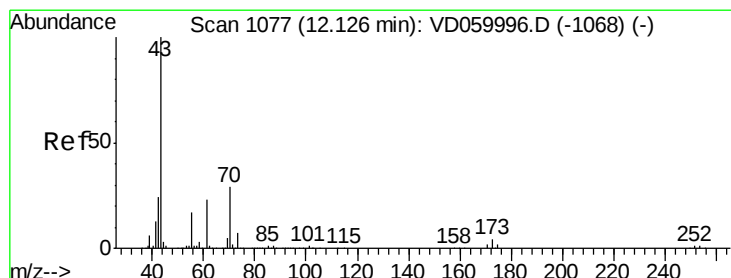
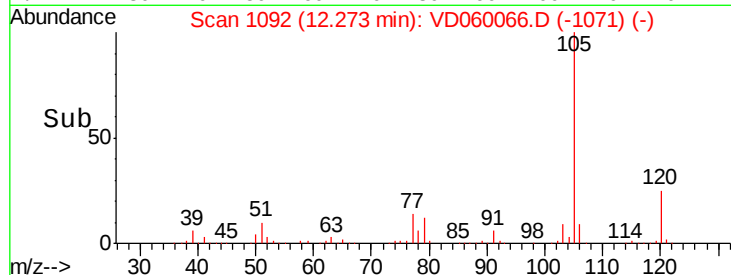
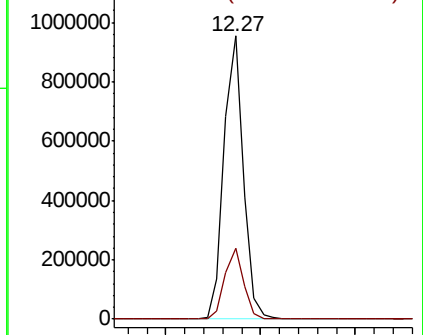
apatel

9/24/2018 1:02:07 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: 19.759 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Tgt Ion: 43 Resp: 505303

Ion Ratio Lower Upper

43 100

70 25.5

55 16.3

61 21.4

22.9 34.3

14.0 21.0

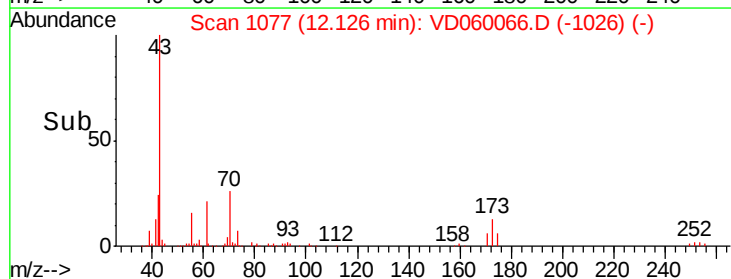
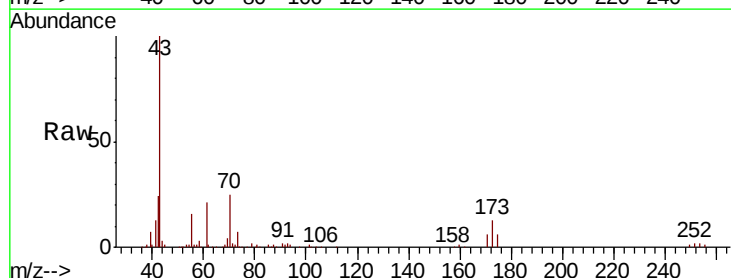
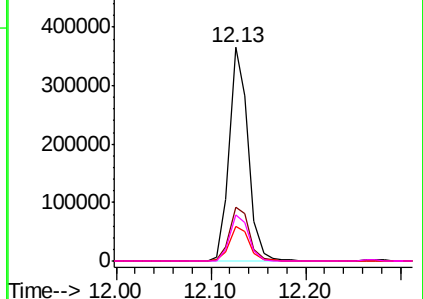
18.7 28.1

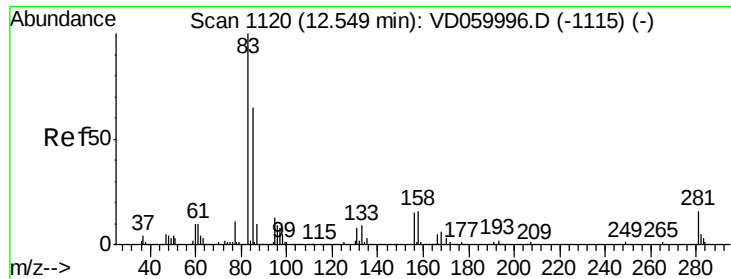
Abundance Ion 42.95 (42.65 to 43.65): V

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: 19.839 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

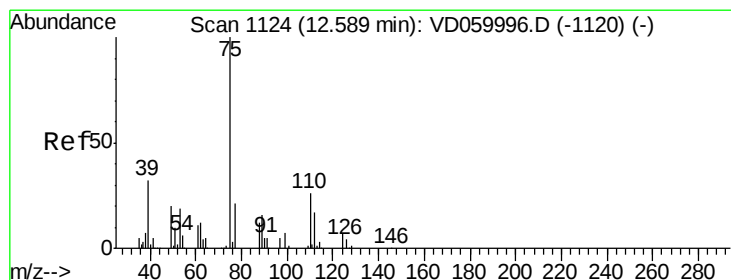
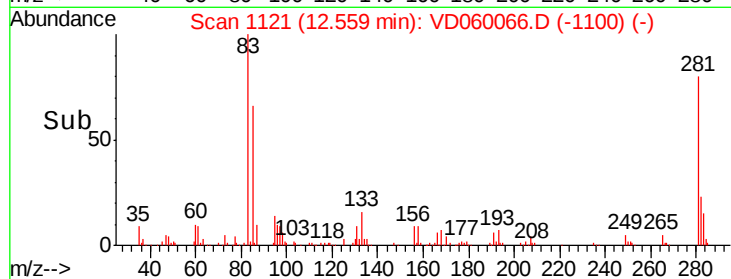
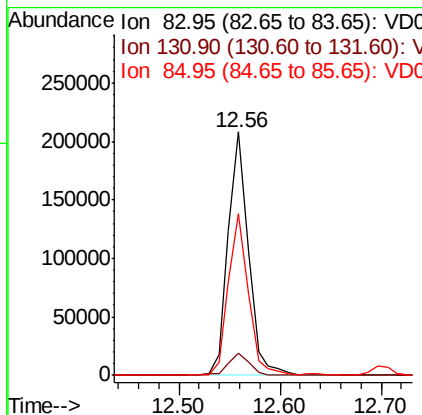
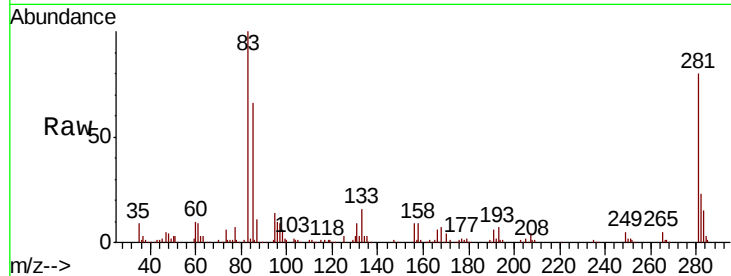
VD0921SBS01

Tot Ion:	83	Resp:	290565
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.1	12.3
85	66.5	32.4	97.2

Manual Integrations
APPROVED

apatel

9/24/2018 1:02:07 PM



#76

1,2,3-Trichloropropane

Concen: 19.191 ug/l

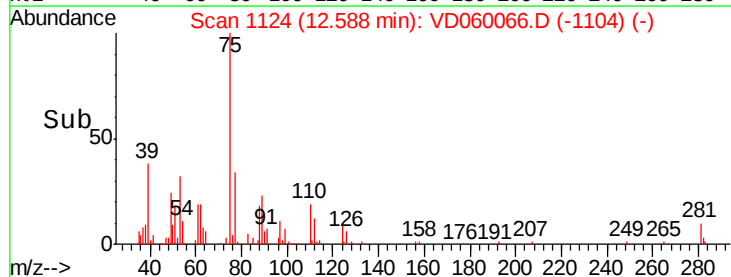
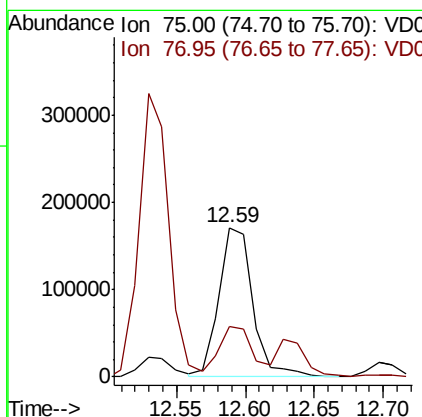
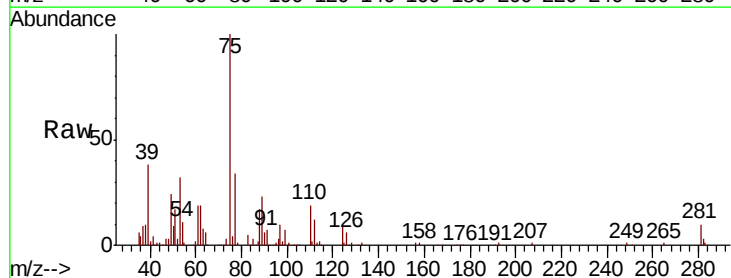
RT: 12.59 min Scan# 1124

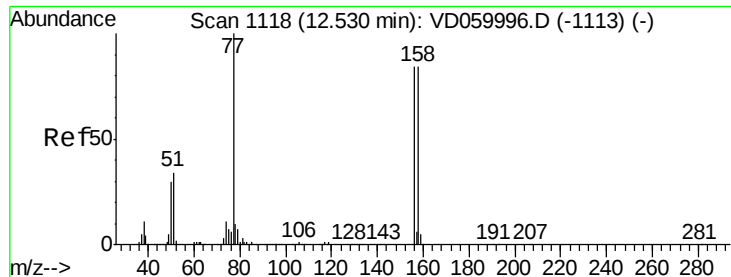
Delta R.T. -0.00 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Tgt Ion:	75	Resp:	288530
Ion Ratio	Lower	Upper	
75	100		
77	33.7	16.4	49.4





#77

Bromobenzene

Concen: 20.960 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

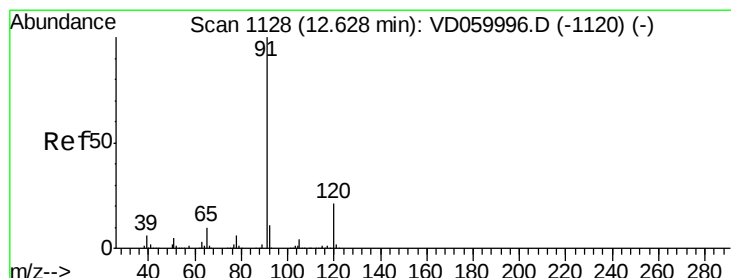
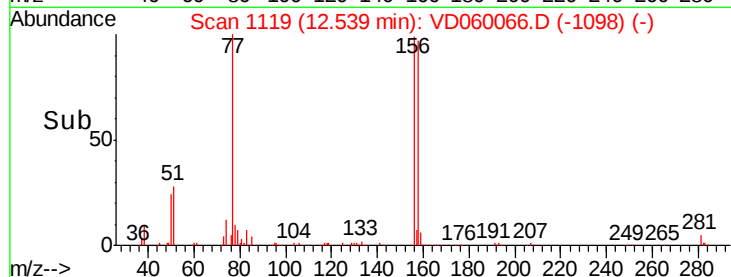
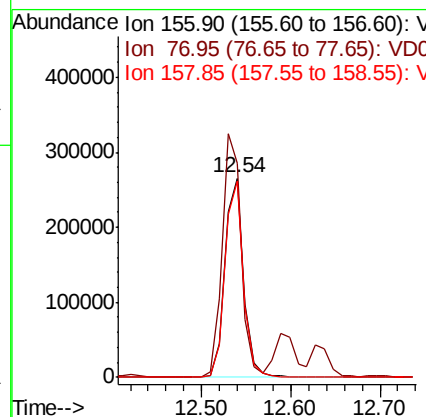
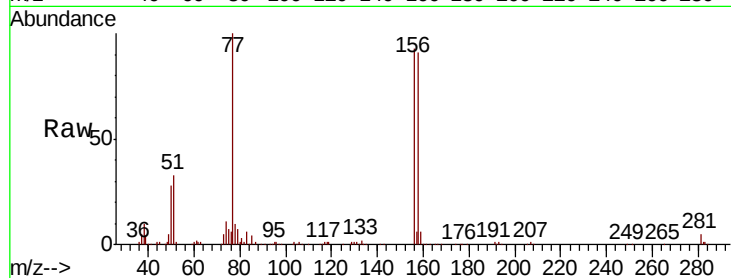
ClientSampleId :

VD0921SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	107.7	59.5	178.4
158	98.4	50.0	149.8

Manual Integrations
APPROVED

apatel
9/24/2018 1:02:07 PM



#78

n-propylbenzene

Concen: 21.671 ug/l

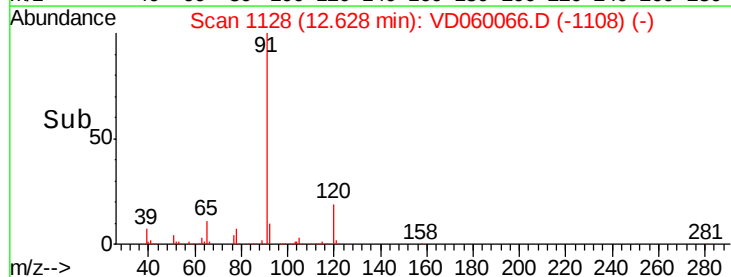
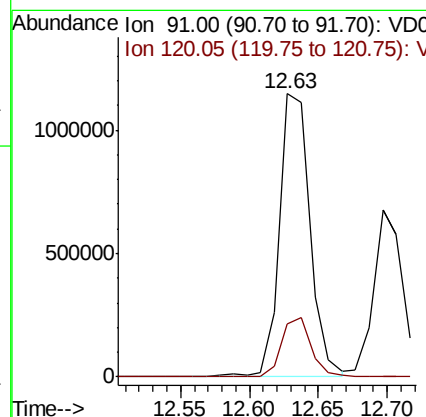
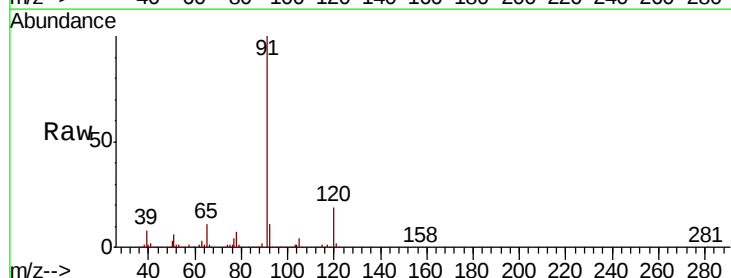
RT: 12.63 min Scan# 1128

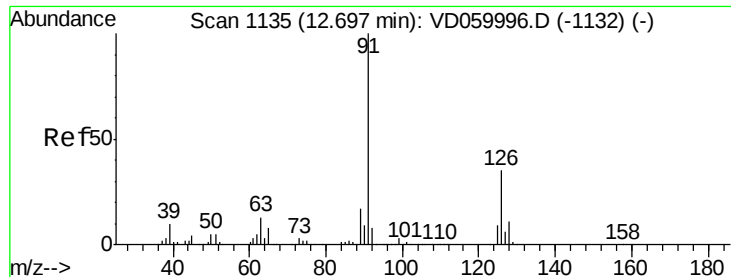
Delta R.T. -0.00 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.7	10.7	31.9





#79

2-Chlorotoluene

Concen: 21.385 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 91 Resp: 979910

Ion Ratio Lower Upper

91 100

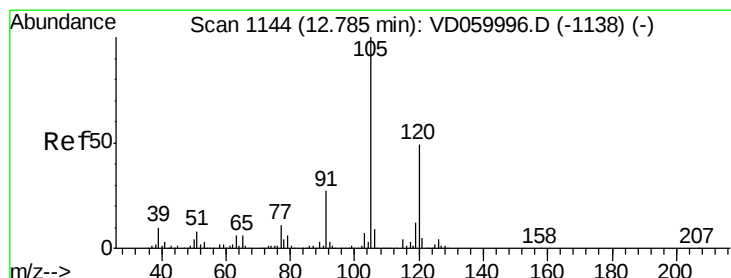
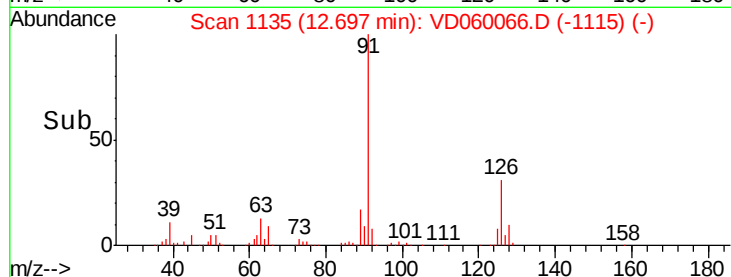
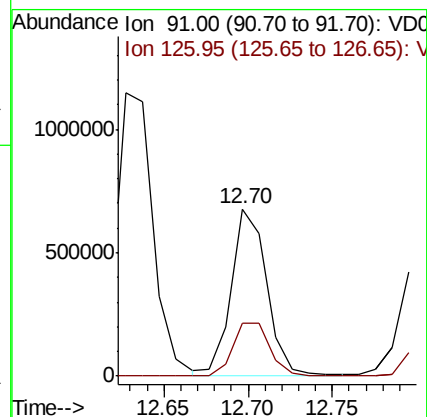
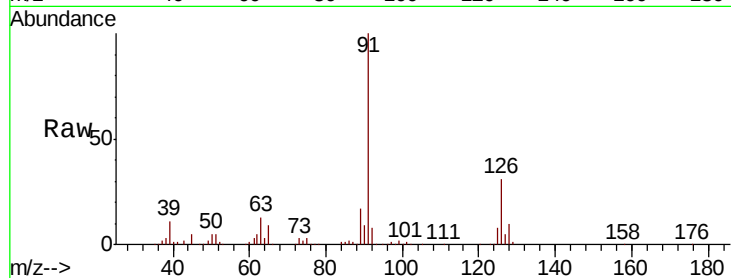
126 31.3 17.3 52.0

Manual Integrations

APPROVED

apatel

9/24/2018 1:02:07 PM



#80

1,3,5-Trimethylbenzene

Concen: 22.040 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060066.D

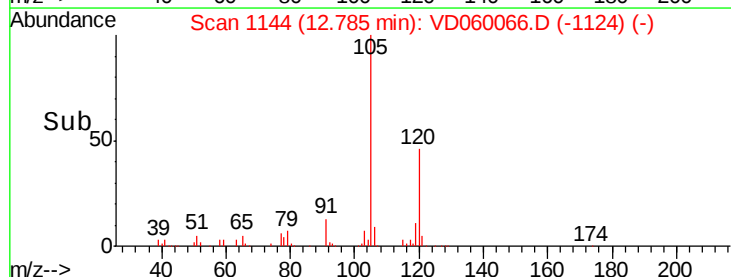
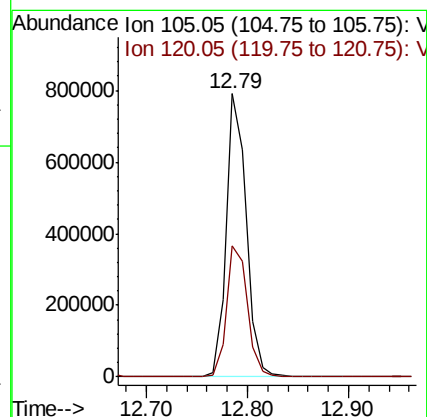
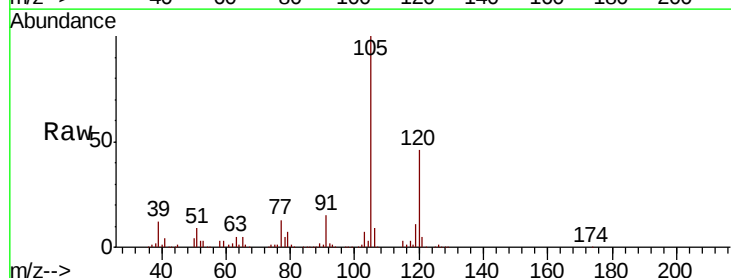
Acq: 21 Sep 2018 12:46

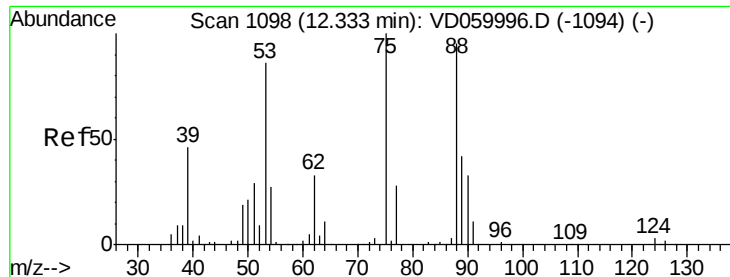
Tgt Ion:105 Resp: 1090631

Ion Ratio Lower Upper

105 100

120 46.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.110 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 75 Resp: 82191

Ion Ratio Lower Upper

75 100

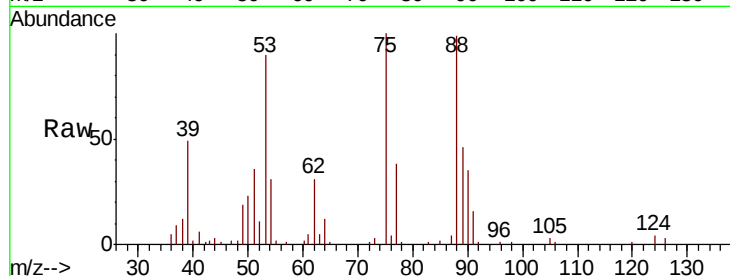
53 90.2 68.4 102.6

89 46.3 33.8 50.6

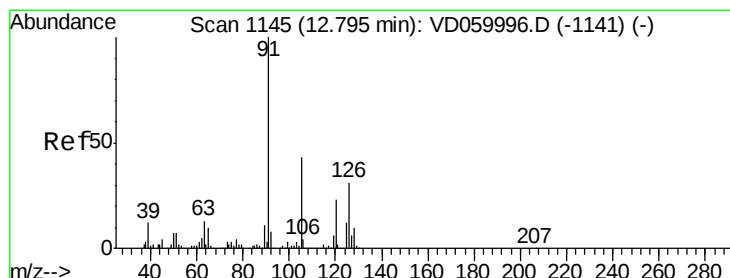
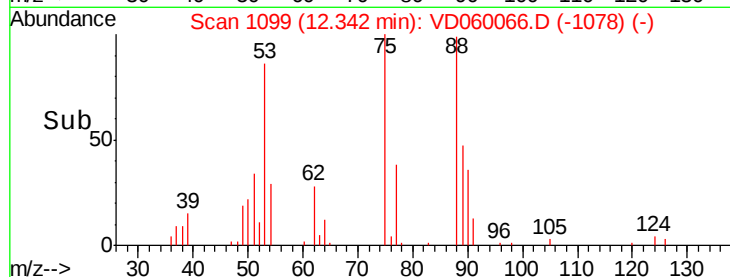
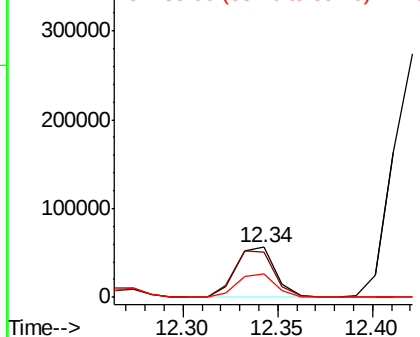
Manual Integrations
APPROVED

apatel

9/24/2018 1:02:07 PM



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.011 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD060066.D

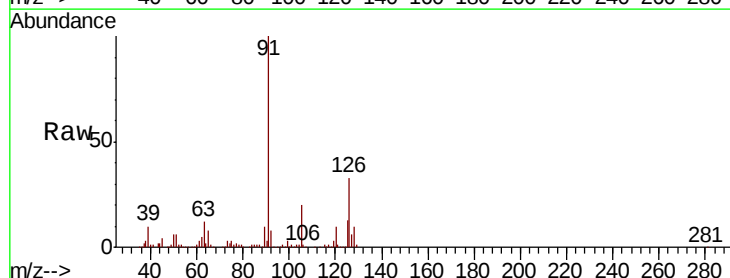
Acq: 21 Sep 2018 12:46

Tgt Ion: 91 Resp: 1108887

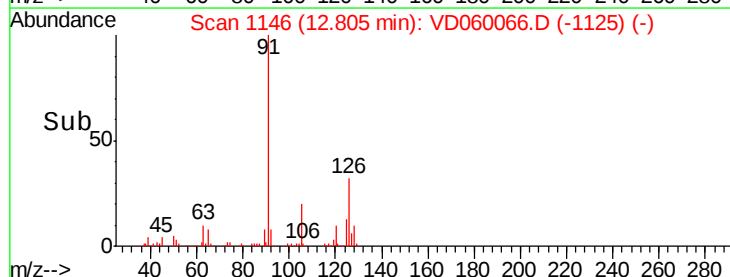
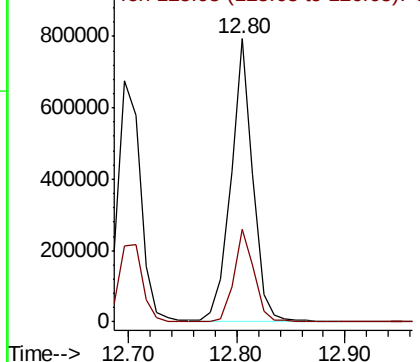
Ion Ratio Lower Upper

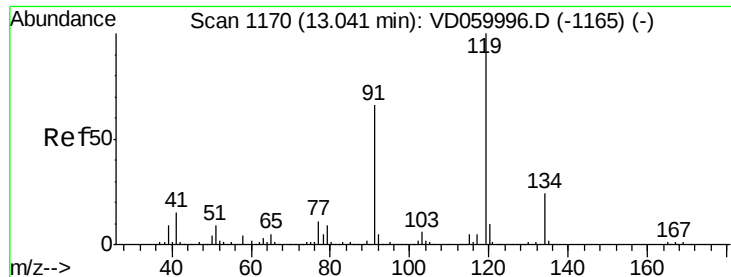
91 100

126 32.5 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





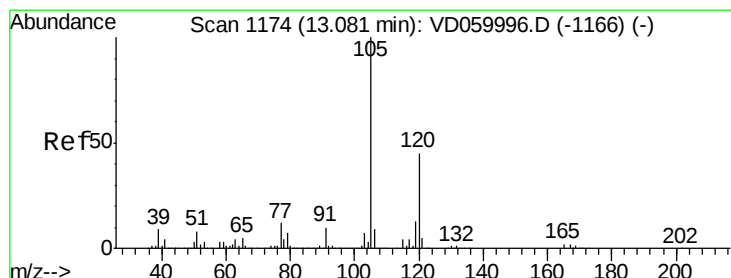
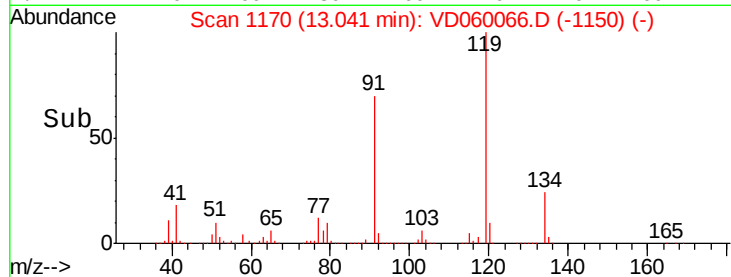
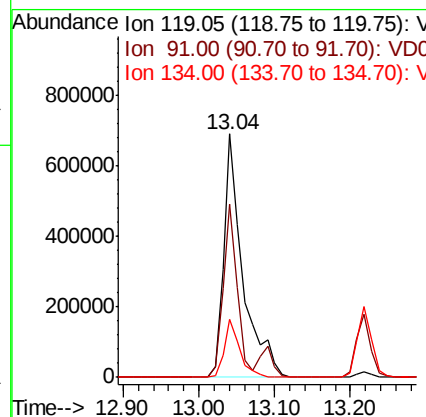
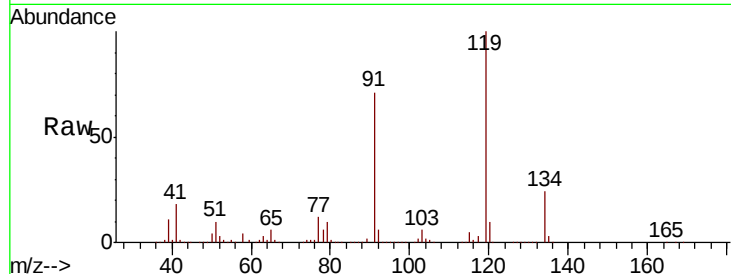
#83
tert-Butylbenzene
Concen: 21.382 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.3	32.9	98.6
134	23.7	12.0	36.0

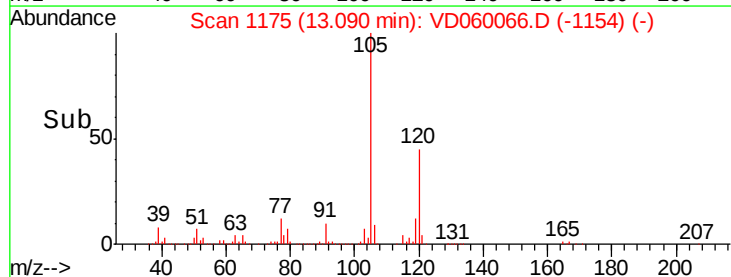
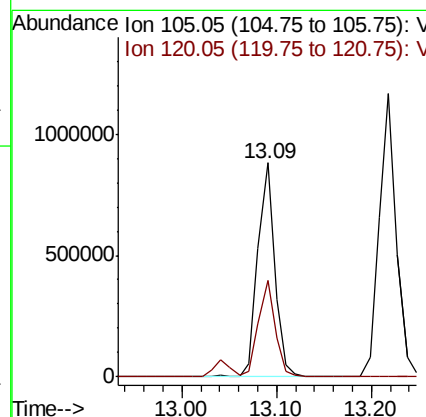
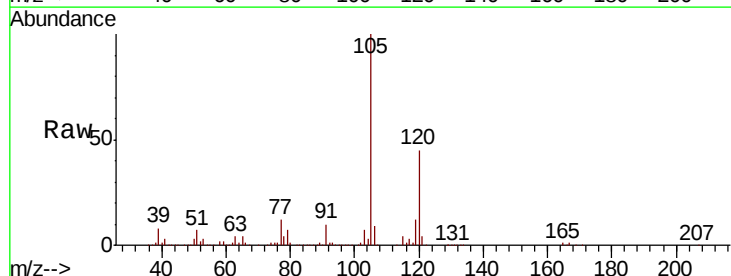
Manual Integrations
APPROVED

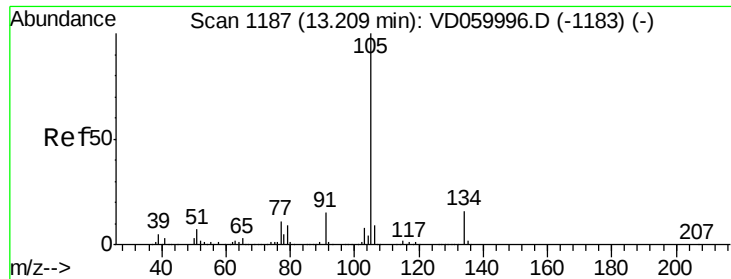
apatel
9/24/2018 1:02:07 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.767 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0





#85

sec-Butylbenzene

Concen: 21.762 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.01 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleID :

VD0921SBS01

Tot Ion:105 Resp: 1480923

Ion Ratio Lower Upper

105 100

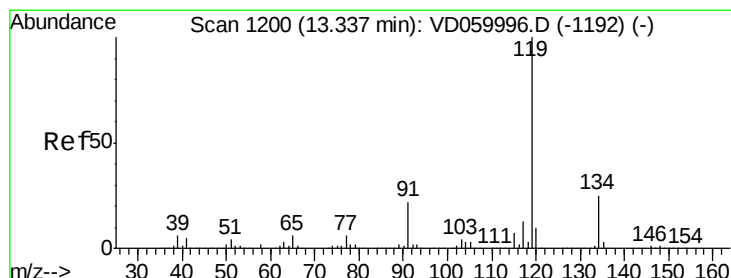
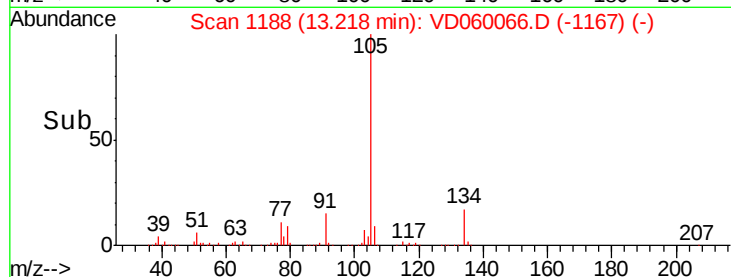
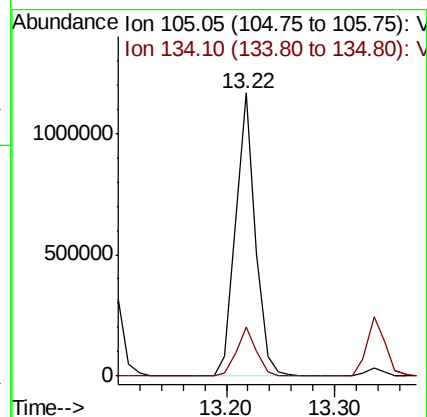
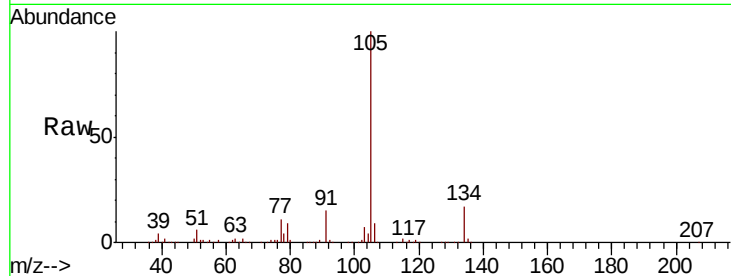
134 17.3 8.2 24.6

Manual Integrations

APPROVED

apatel

9/24/2018 1:02:07 PM



#86

p-Isopropyltoluene

Concen: 21.905 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

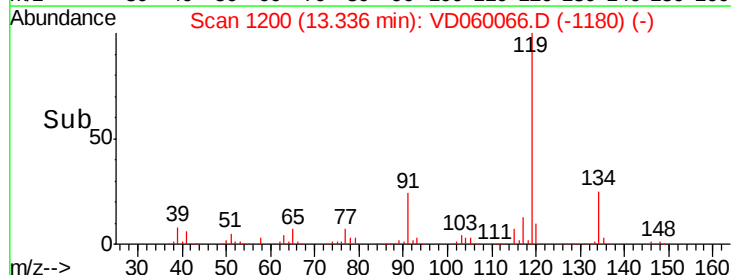
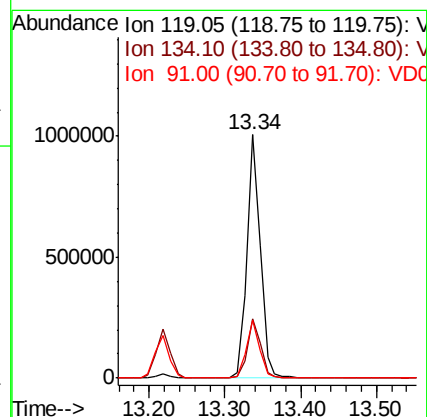
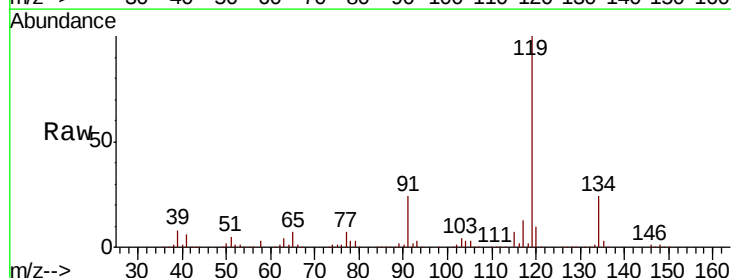
Tgt Ion:119 Resp: 1205616

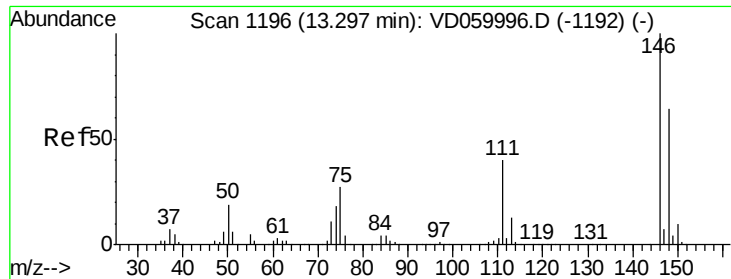
Ion Ratio Lower Upper

119 100

134 24.5 12.8 38.3

91 23.8 11.1 33.3





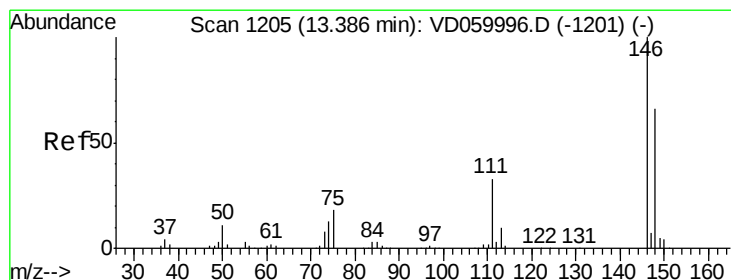
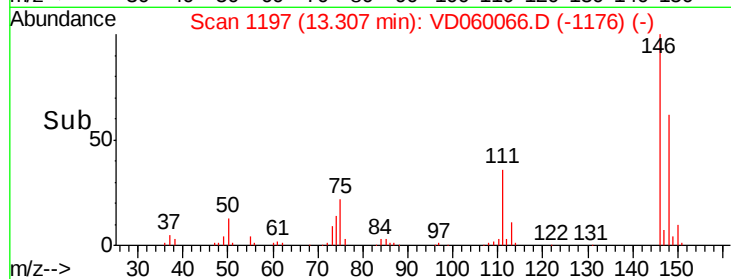
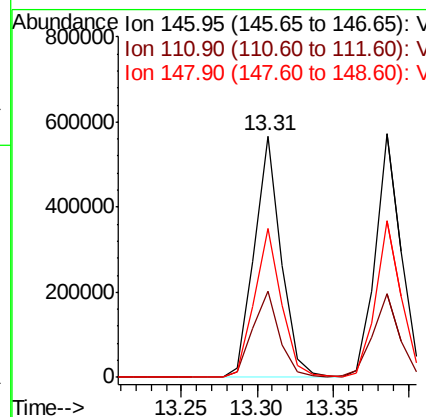
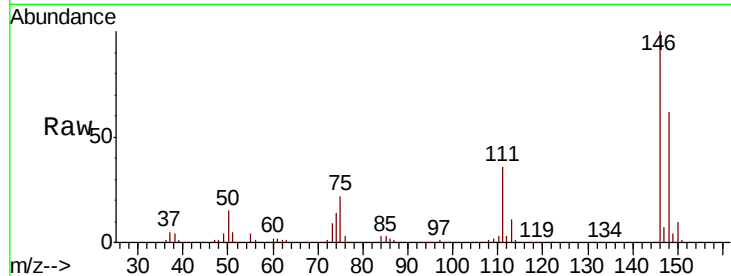
#87
 1,3-Dichlorobenzene
 Concen: 21.611 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	698911		
111	35.6	20.2	60.5	
148	61.8	32.0	96.2	

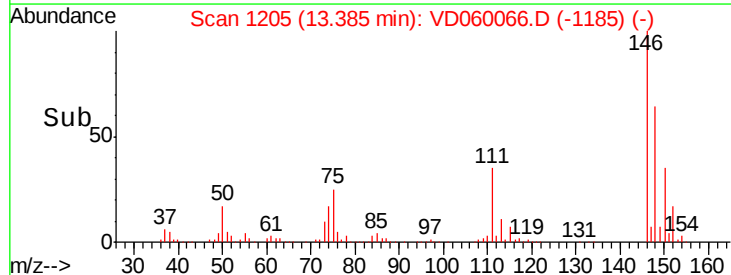
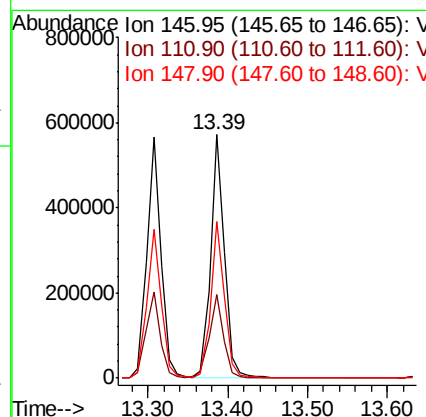
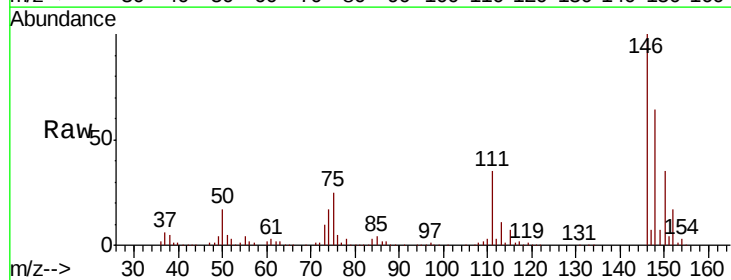
Manual Integrations
 APPROVED

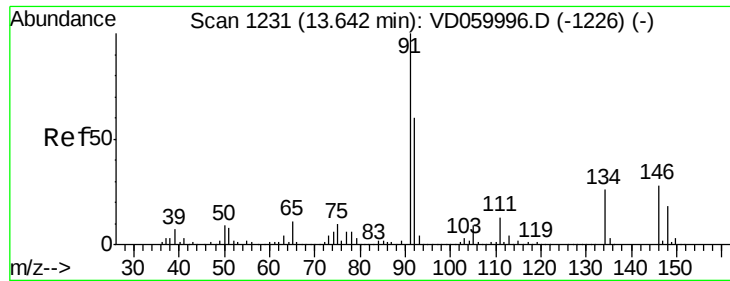
apatel
 9/24/2018 1:02:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.983 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	688296		
111	34.5	16.7	50.0	
148	64.2	32.9	98.6	





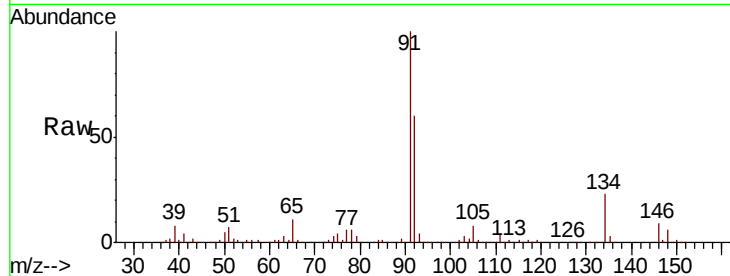
#89
n-Butylbenzene
Concen: 20.762 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

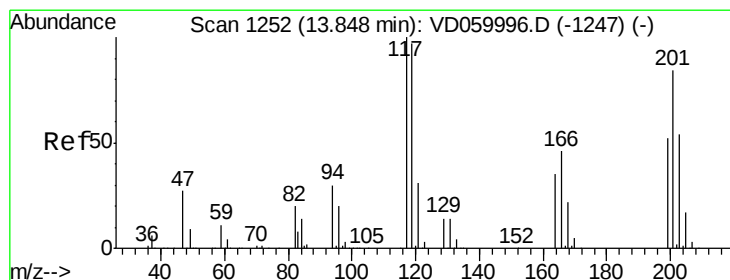
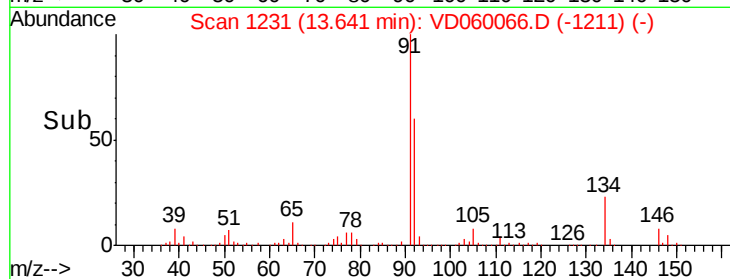
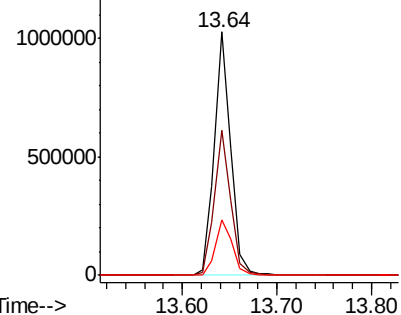
Tot Ion: 91 Resp: 1232938
Ion Ratio Lower Upper
91 100
92 59.6 29.8 89.3
134 22.6 13.2 39.6

Manual Integrations
APPROVED

apatel
9/24/2018 1:02:07 PM

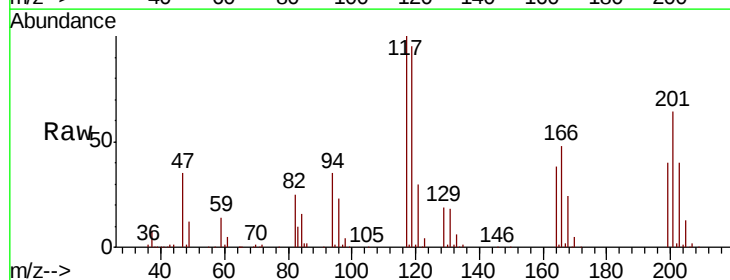


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

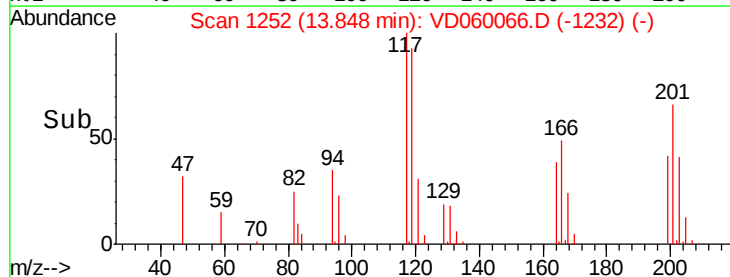
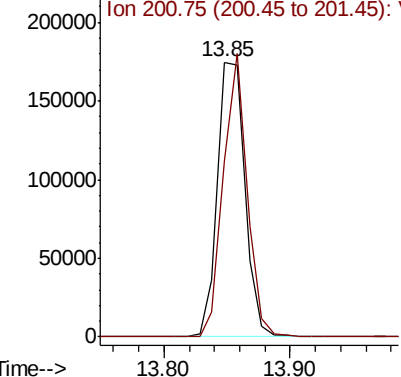


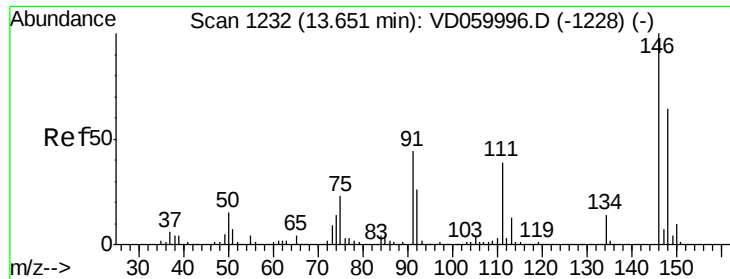
#90
Hexachloroethane
Concen: 19.261 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD060066.D
Acq: 21 Sep 2018 12:46

Tgt Ion: 117 Resp: 262572
Ion Ratio Lower Upper
117 100
201 63.9 42.1 126.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





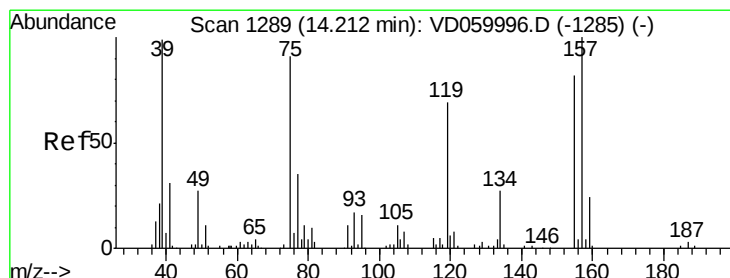
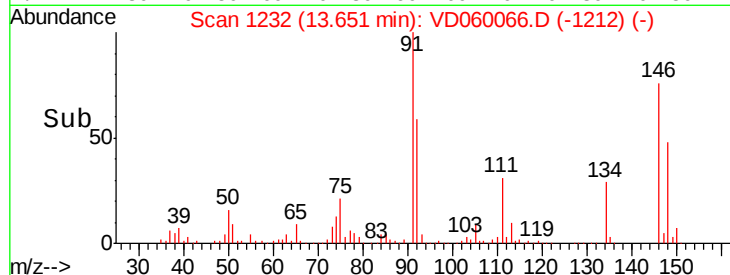
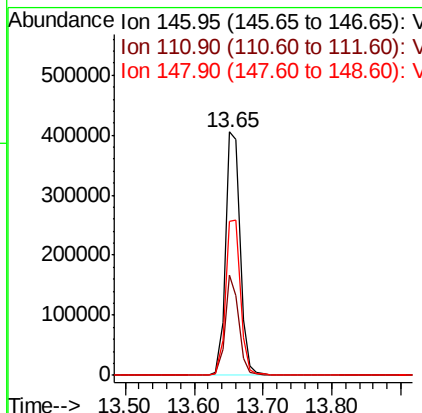
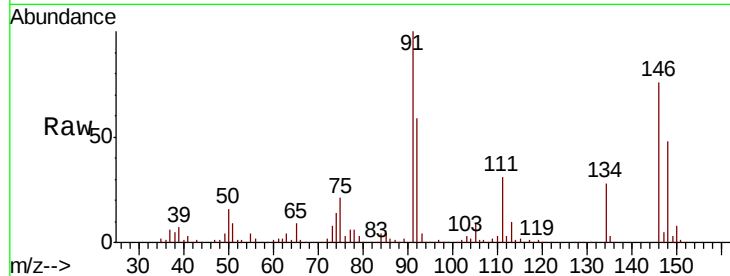
#91
 1,2-Dichlorobenzene
 Concen: 20.157 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.6	58.7
148	63.0	31.9	95.7

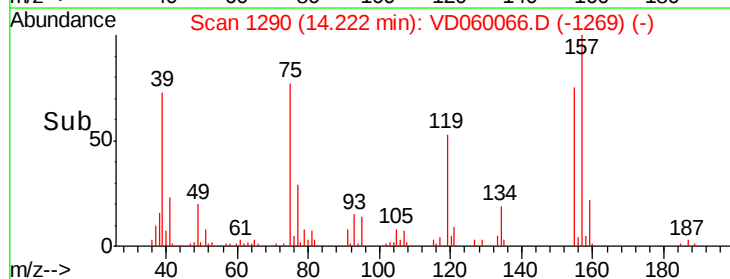
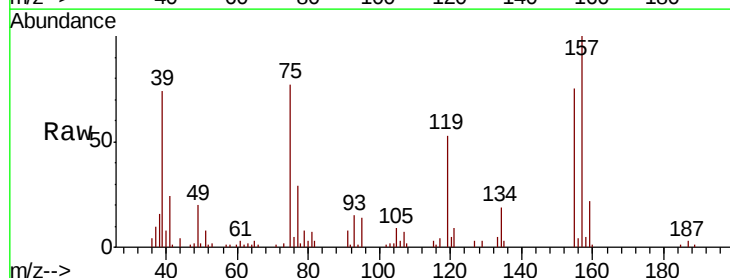
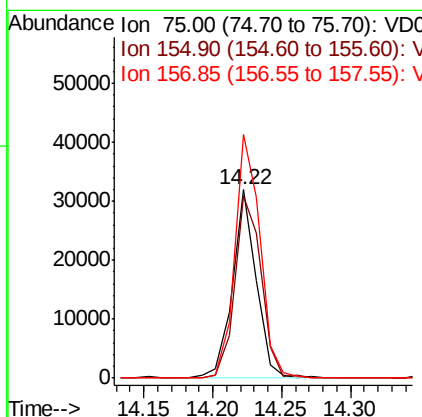
Manual Integrations
 APPROVED

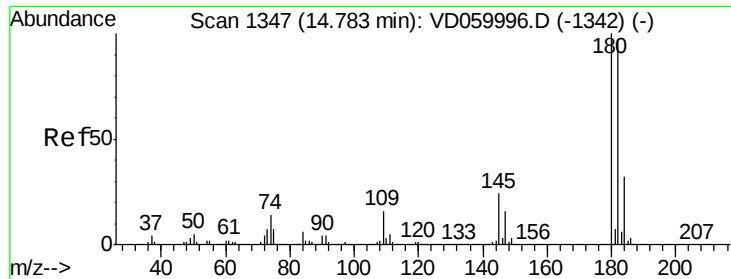
apatel
 9/24/2018 1:02:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.200 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	44.7	134.1
157	129.4	54.7	164.1





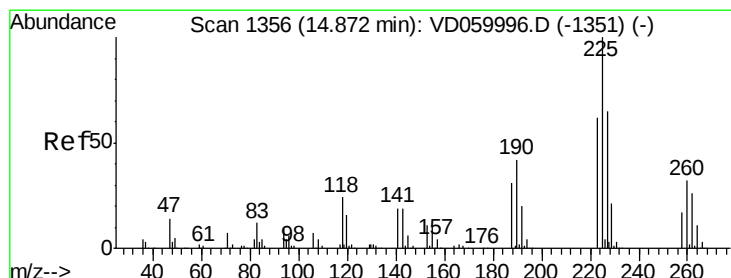
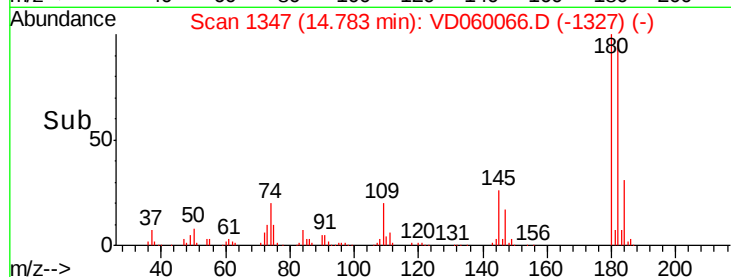
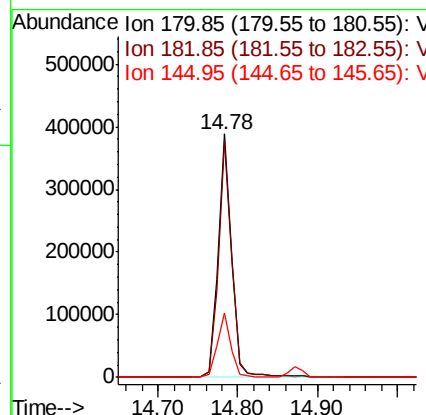
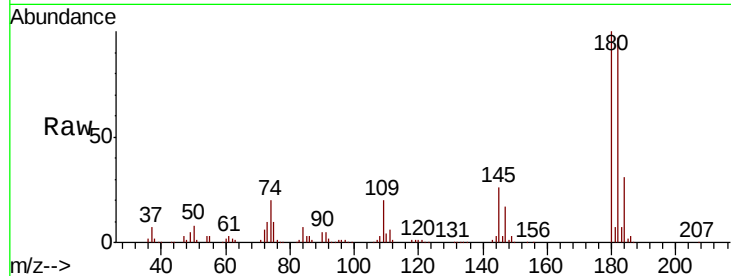
#93
 1,2,4-Trichlorobenzene
 Concen: 20.350 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	468998		
182	97.1	48.5	145.6	
145	26.2	11.9	35.7	

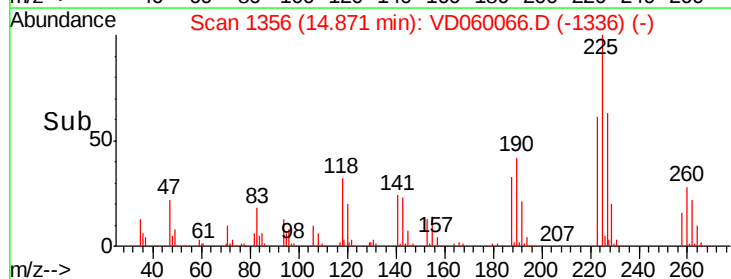
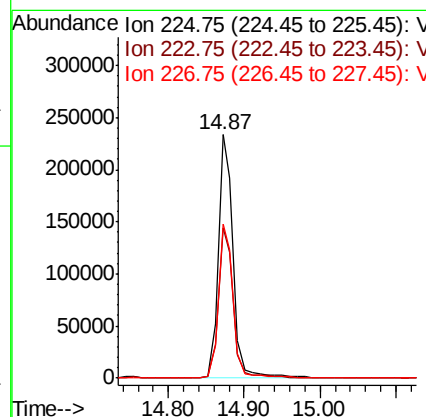
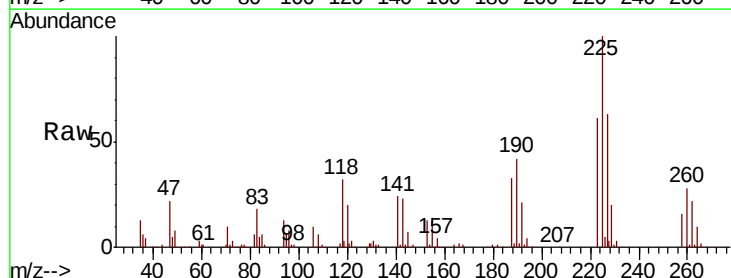
Manual Integrations
 APPROVED

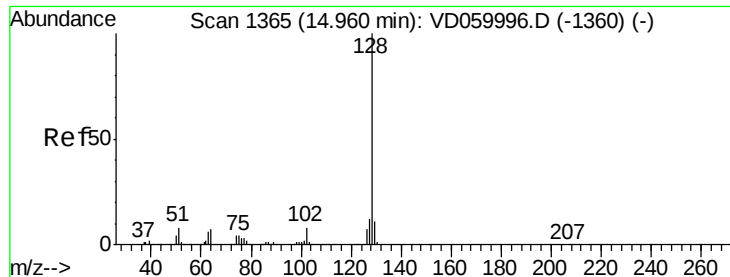
apatel
 9/24/2018 1:02:07 PM



#94
 Hexachlorobutadiene
 Concen: 21.177 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060066.D
 Acq: 21 Sep 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	322849		
223	61.4	31.2	93.6	
227	63.2	32.3	96.8	





#95

Naphthalene

Concen: 18.431 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Instrument :

MSVOA_D

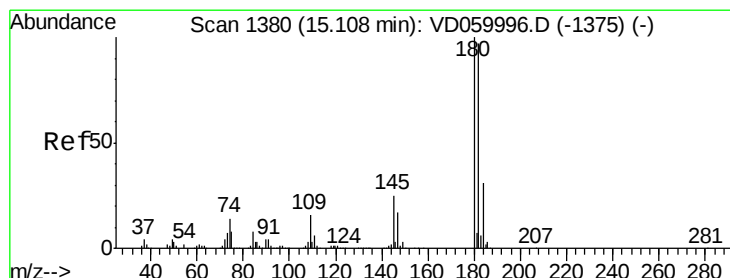
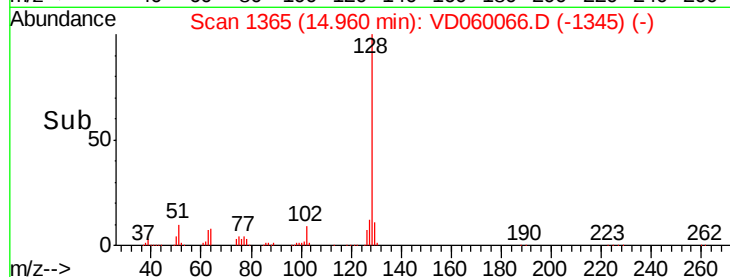
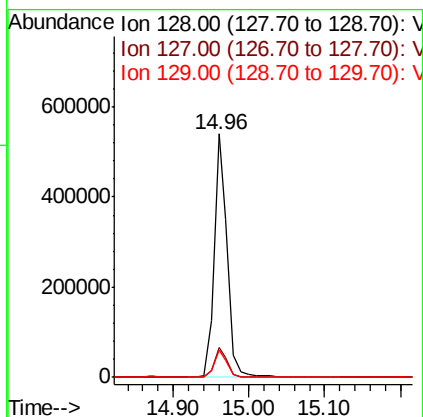
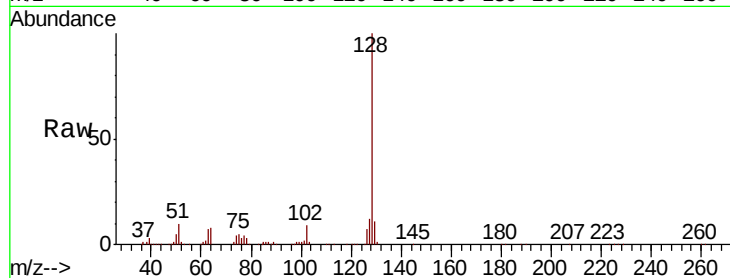
ClientSampleId :

VD0921SBS01

Tot Ion:	128	Resp:	655993
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.7	14.5
129	11.0	8.9	13.3

Manual Integrations
APPROVED

apatel
9/24/2018 1:02:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.098 ug/l

RT: 15.11 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD060066.D

Acq: 21 Sep 2018 12:46

Tgt Ion:	180	Resp:	387861
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.6	145.9
145	28.9	12.7	38.1

