

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058223.D
 Acq On : 20 Jun 2018 21:29
 Operator : VA/AP
 Sample : J3523-03MSD
 Misc : 3.43g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

Manual Integrations
 APPROVED

apatel
 6/21/2018 11:30:35 AM

Quant Time: Jun 21 05:03:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	398221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	524724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	251772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	61548	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	216483	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	8.71	98	500000	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	11.94	95	104009	24.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	305278	84.90	ug/l	99
3) Chloromethane	1.48	50	142114	84.81	ug/l	95
4) Vinyl Chloride	1.54	62	134813	64.62	ug/l	97
5) Bromomethane	1.79	94	23862	31.74	ug/l	91
6) Chloroethane	1.87	64	60236	90.86	ug/l	98
7) Trichlorofluoromethane	2.07	101	228262	79.80	ug/l	92
8) Diethyl Ether	2.34	74	61634	101.88	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	128533	70.69	ug/l	97
10) Methyl Iodide	2.68	142	45400	21.95	ug/l #	95
11) Tert butyl alcohol	3.26	59	75933	572.37	ug/l	97
12) 1,1-Dichloroethene	2.54	96	157080	114.81	ug/l	96
13) Acrolein	2.34	56	287	3.79	ug/l	88
14) Allyl chloride	2.91	41	73799	23.18	ug/l #	92
15) Acrylonitrile	3.35	53	120071	341.34	ug/l	96
16) Acetone	2.61	43	390053	709.08	ug/l	94
17) Carbon Disulfide	2.74	76	115589	24.83	ug/l	98
18) Methyl Acetate	3.07	43	73563	62.71	ug/l #	65
19) Methyl tert-butyl Ether	3.40	73	393828	108.53	ug/l	93
20) Methylene Chloride	3.07	84	111011	80.18	ug/l	95
21) trans-1,2-Dichloroethene	3.37	96	50702	33.91	ug/l	97
22) Diisopropyl ether	4.07	45	1249541	98.80	ug/l #	78
23) Vinyl Acetate	4.06	43	535204	78.95	ug/l #	82
24) 1,1-Dichloroethane	3.96	63	542626	79.64	ug/l	99
25) 2-Butanone	4.84	43	738037	615.58	ug/l	97
26) 2,2-Dichloropropane	4.79	77	227780	39.93	ug/l	96
27) cis-1,2-Dichloroethene	4.80	96	183525	49.12	ug/l	92
28) Bromochloromethane	5.14	49	184528	60.42	ug/l #	99
29) Tetrahydrofuran	5.18	42	346878	543.56	ug/l	98
30) Chloroform	5.32	83	513579	71.40	ug/l	97
31) Cyclohexane	5.59	56	336774	70.19	ug/l	93
32) 1,1,1-Trichloroethane	5.51	97	404787	68.11	ug/l #	78
36) 1,1-Dichloropropene	5.75	75	246328	47.45	ug/l	98
37) Ethyl Acetate	4.84	43	735070	248.54	ug/l #	83
38) Carbon Tetrachloride	5.73	117	288073	55.85	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058223.D
 Acq On : 20 Jun 2018 21:29
 Operator : VA/AP
 Sample : J3523-03MSD
 Misc : 3.43g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 AREA1(S)MSD

Manual Integrations
 APPROVED

apatel
 6/21/2018 11:30:35 AM

Quant Time: Jun 21 05:03:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	487592	96.44	ug/l	93
40) Benzene	6.01	78	921791	74.55	ug/l	98
41) Methacrylonitrile	5.13	41	137683	96.41	ug/l	92
42) 1,2-Dichloroethane	6.13	62	323274	64.84	ug/l	100
43) Isopropyl Acetate	7.65	43	90348	22.91	ug/l #	48
44) Trichloroethene	6.98	130	305284	82.22	ug/l	100
45) 1,2-Dichloropropane	7.35	63	238661	71.67	ug/l	100
46) Dibromomethane	7.47	93	113224	49.81	ug/l	94
47) Bromodichloromethane	7.74	83	217053	41.87	ug/l	100
48) Methyl methacrylate	7.55	41	20346	8.49	ug/l #	75
49) 1,4-Dioxane	7.49	88	47011	2173.17	ug/l #	45
51) 4-Methyl-2-Pentanone	8.60	43	1297980	504.67	ug/l	98
52) Toluene	8.81	92	774869	110.05	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	78221	17.35	ug/l #	74
54) cis-1,3-Dichloropropene	8.36	75	102387	19.38	ug/l #	64
55) 1,1,2-Trichloroethane	9.46	97	36696	14.73	ug/l #	1
56) Ethyl methacrylate	9.38	69	276321	92.75	ug/l #	1
57) 1,3-Dichloropropane	9.67	76	256097	61.03	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.20	63	504540	342.09	ug/l	93
59) 2-Hexanone	9.79	43	831124	447.22	ug/l	95
60) Dibromochloromethane	9.97	129	120317	35.59	ug/l	95
61) 1,2-Dibromoethane	10.11	107	116694	42.80	ug/l	99
64) Tetrachloroethene	9.52	164	218033	102.92	ug/l	96
65) Chlorobenzene	10.73	112	268529	57.02	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	101384	55.78	ug/l	94
67) Ethyl Benzene	10.86	91	5407148	650.34	ug/l	98
68) m/p-Xylenes	11.03	106	5612089	2024.07	ug/l	98
69) o-Xylene	11.42	106	2175777	821.61	ug/l	89
70) Styrene	11.44	104	303169	67.09	ug/l #	77
71) Bromoform	11.60	173	89983	62.07	ug/l #	96
73) Isopropylbenzene	11.78	105	590628	160.43	ug/l	97
74) N-amyl acetate	11.60	43	365868	257.03	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.10	83	119805	139.84	ug/l #	43
76) 1,2,3-Trichloropropane	12.11	75	112686	125.40	ug/l	90
77) Bromobenzene	12.05	156	93931	85.21	ug/l	90
78) n-propylbenzene	12.15	91	820497	172.58	ug/l	97
79) 2-Chlorotoluene	12.22	91	443161	162.89	ug/l	93
80) 1,3,5-Trimethylbenzene	12.32	105	1107562	385.72	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	2885	13.16	ug/l #	1
82) 4-Chlorotoluene	12.33	91	303578	122.37	ug/l	83
83) tert-Butylbenzene	12.58	119	186973	56.64	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	2043086	654.57	ug/l	97
85) sec-Butylbenzene	12.76	105	404988	104.66	ug/l	94
86) p-Isopropyltoluene	12.89	119	320871	102.33	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	101631m	53.04	ug/l	
88) 1,4-Dichlorobenzene	12.93	146	92645	49.51	ug/l	89
89) n-Butylbenzene	13.20	91	253325m	76.87	ug/l	
90) Hexachloroethane	13.40	117	95948	117.89	ug/l #	39
91) 1,2-Dichlorobenzene	13.20	146	95962	58.85	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.78	75	13479	98.86	ug/l #	44

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
Data File : VD058223.D
Acq On : 20 Jun 2018 21:29
Operator : VA/AP
Sample : J3523-03MSD
Misc : 3.43g/5ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

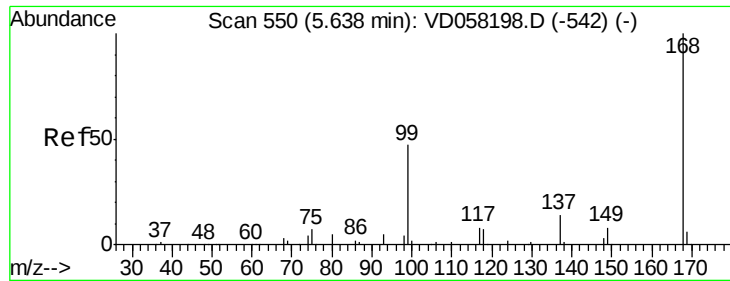
Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM

Quant Time: Jun 21 05:03:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	39865	25.56	ug/l #	89
94) Hexachlorobutadiene	14.44	225	21974	18.01	ug/l	90
95) Naphthalene	14.52	128	455282	221.63	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	35803	26.22	ug/l #	82

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion:168 Resp: 398221

Ion Ratio Lower Upper

168 100

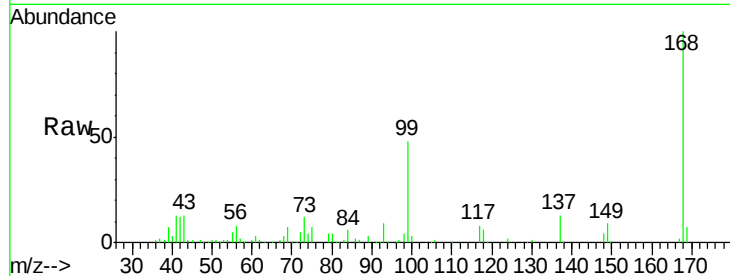
99 48.1 41.1 61.7

Manual Integrations

APPROVED

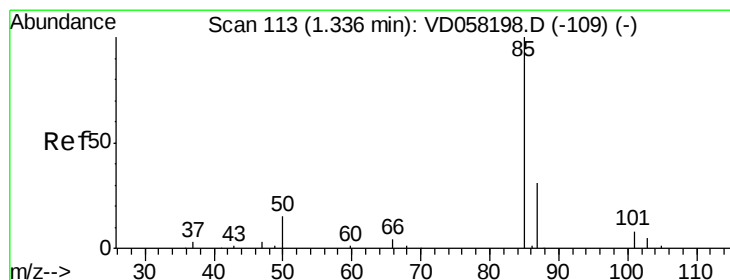
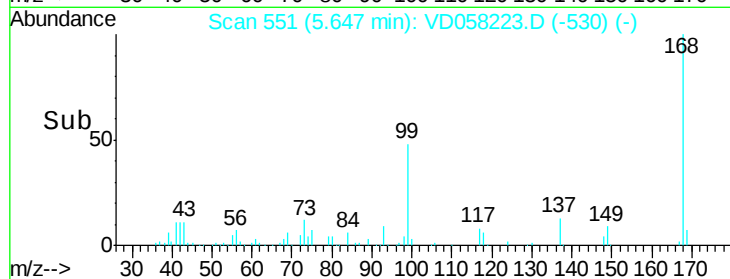
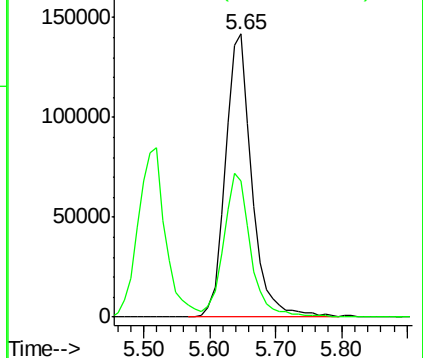
apatel

6/21/2018 11:30:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 84.90 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD058223.D

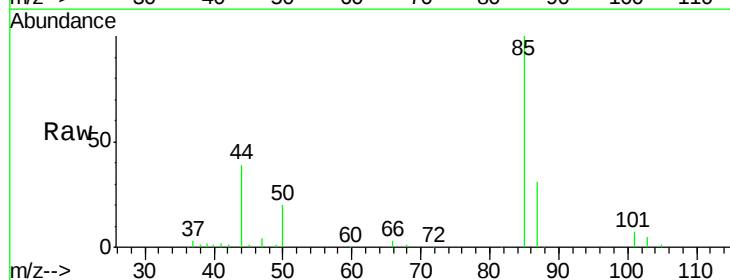
Acq: 20 Jun 2018 21:29

Tgt Ion: 85 Resp: 305278

Ion Ratio Lower Upper

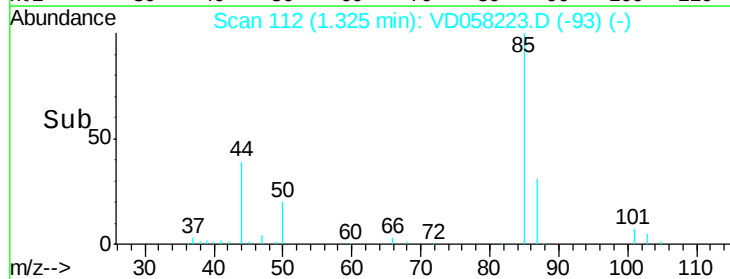
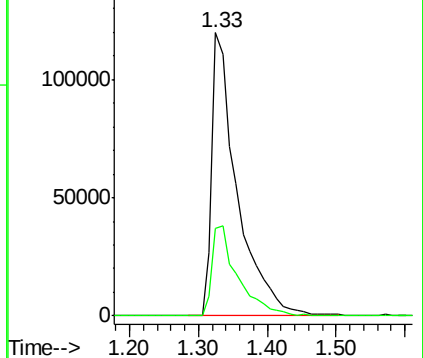
85 100

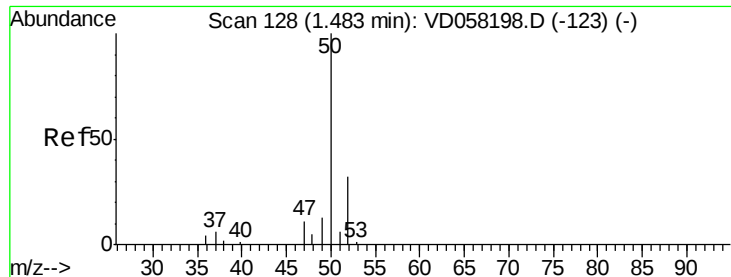
87 30.8 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 84.81 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 50 Resp: 142114

Ion Ratio Lower Upper

50 100

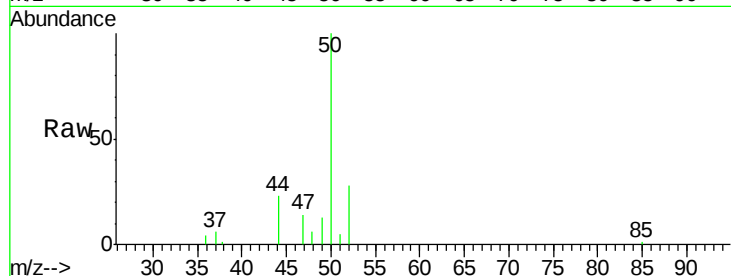
52 28.4 25.0 37.4

Manual Integrations

APPROVED

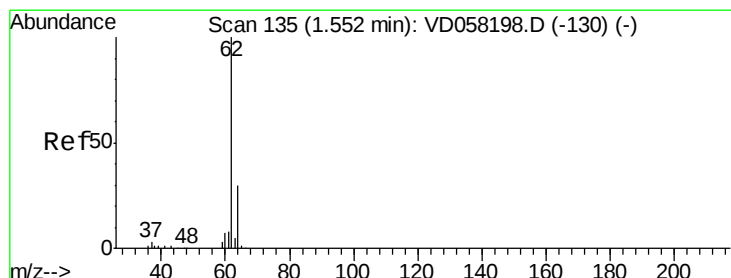
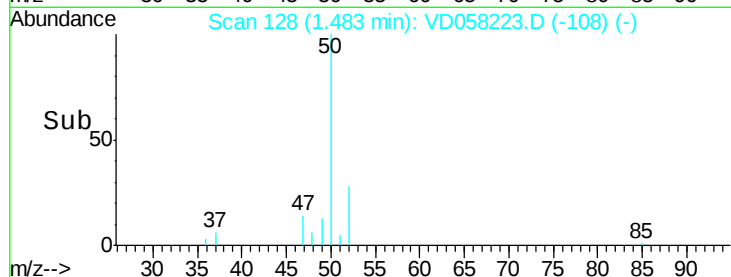
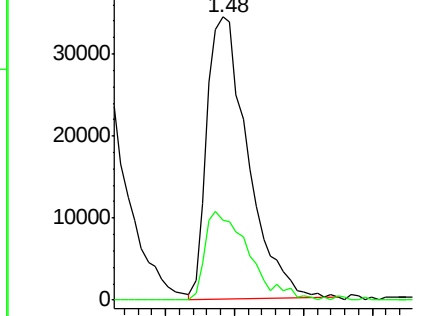
apatel

6/21/2018 11:30:35 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 64.62 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD058223.D

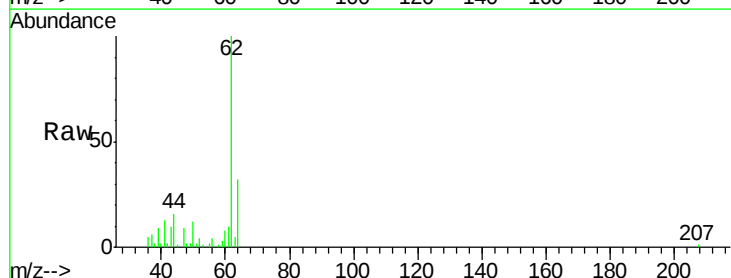
Acq: 20 Jun 2018 21:29

Tgt Ion: 62 Resp: 134813

Ion Ratio Lower Upper

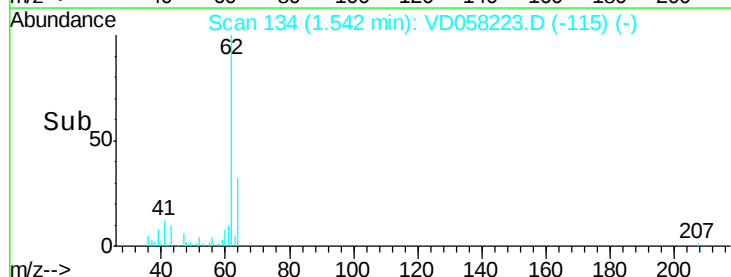
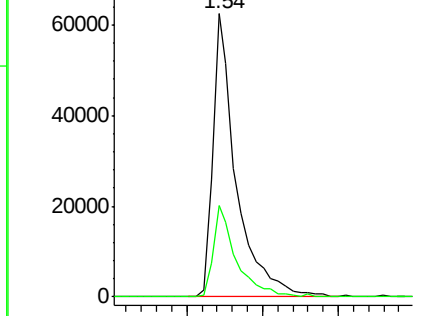
62 100

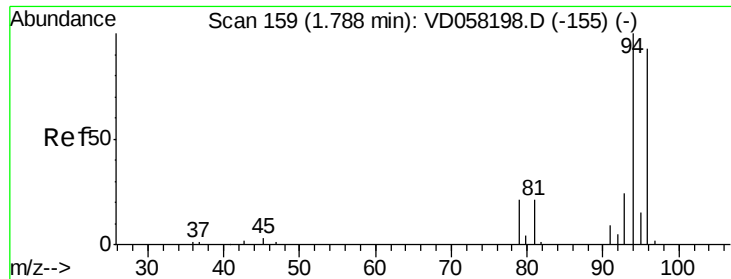
64 32.4 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 31.74 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 94 Resp: 23862

Ion Ratio Lower Upper

94 100

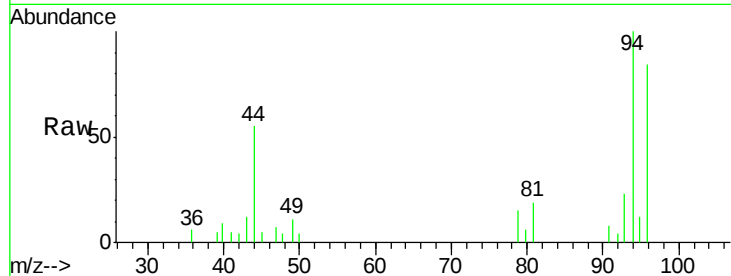
96 84.0 74.2 111.2

Manual Integrations

APPROVED

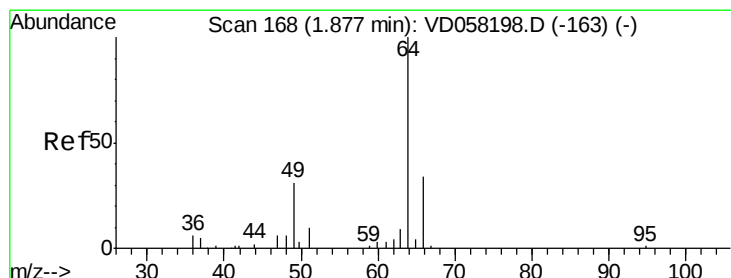
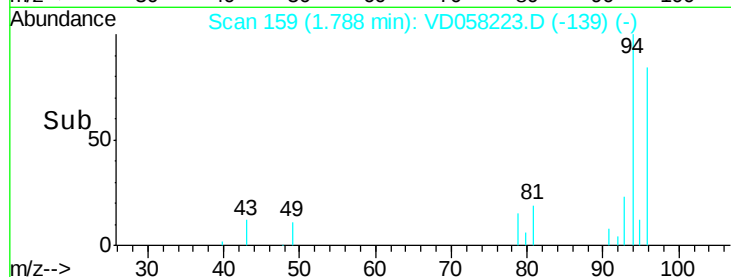
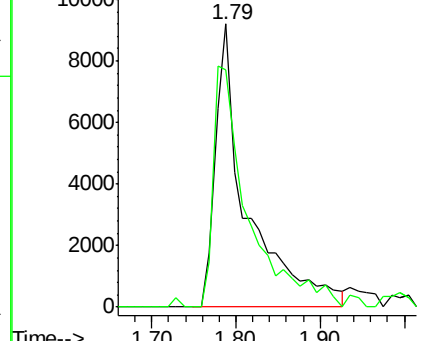
apatel

6/21/2018 11:30:35 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 90.86 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD058223.D

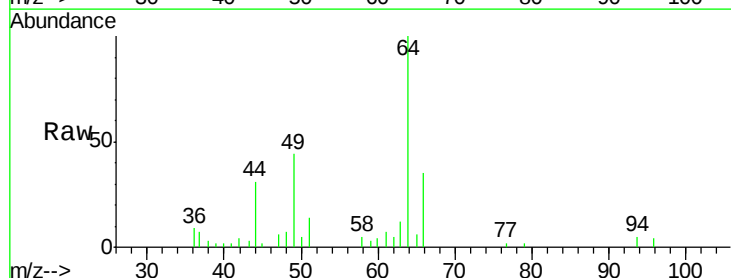
Acq: 20 Jun 2018 21:29

Tgt Ion: 64 Resp: 60236

Ion Ratio Lower Upper

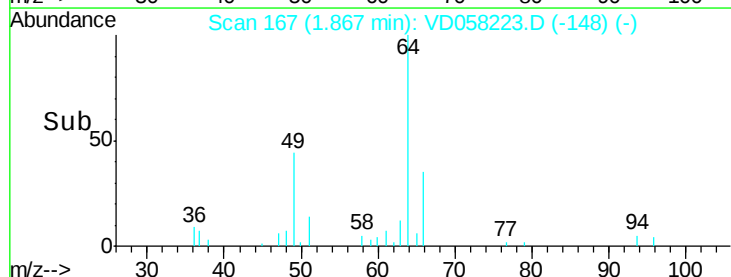
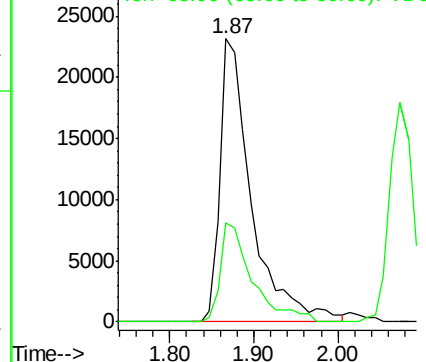
64 100

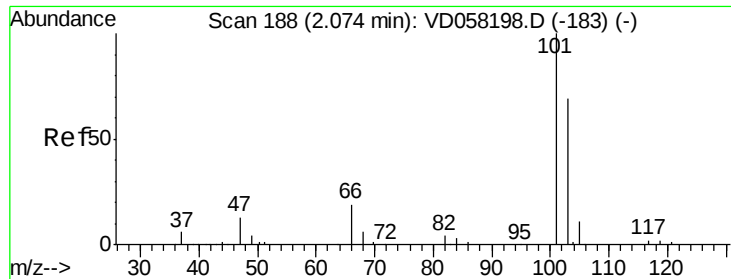
66 35.0 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

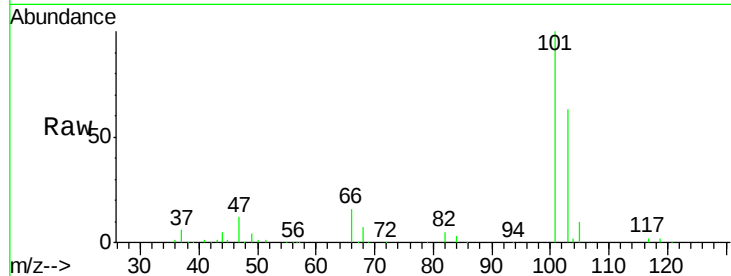
Trichlorofluoromethane
Concen: 79.80 ug/l
RT: 2.07 min Scan# 188
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

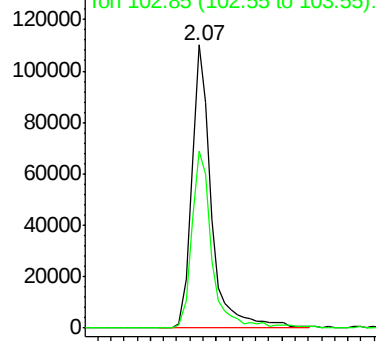
Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	55.1	82.7

Manual Integrations
APPROVED

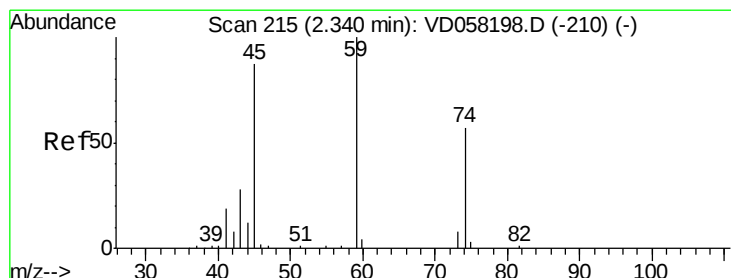
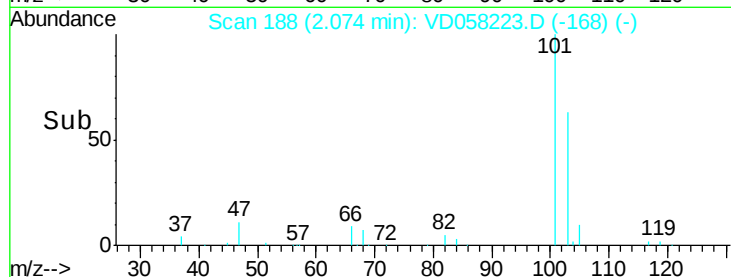
apatel
6/21/2018 11:30:35 AM



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



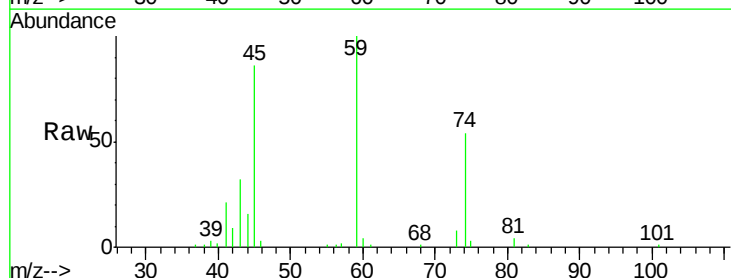
Time-->



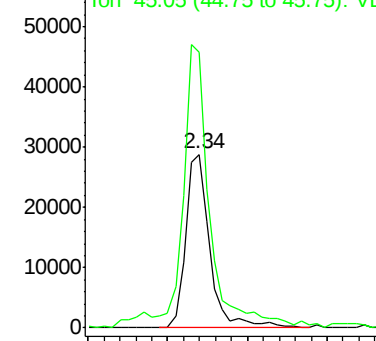
#8

Diethyl Ether
Concen: 101.88 ug/l
RT: 2.34 min Scan# 215
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

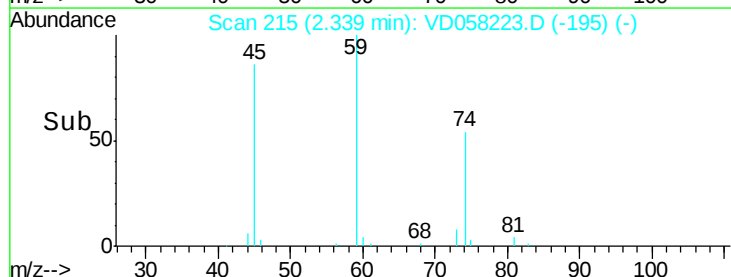
Tgt Ion	Ratio	Lower	Upper
74	100		
45	158.7	77.5	232.6

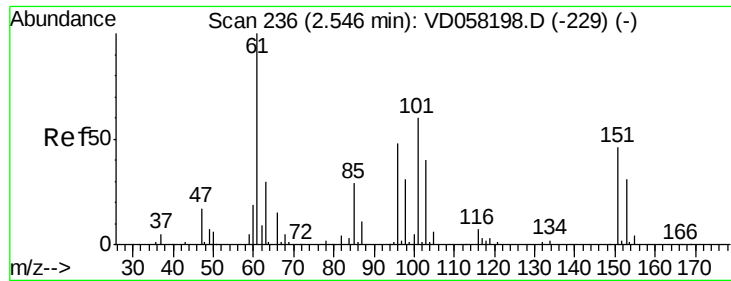


Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 70.69 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

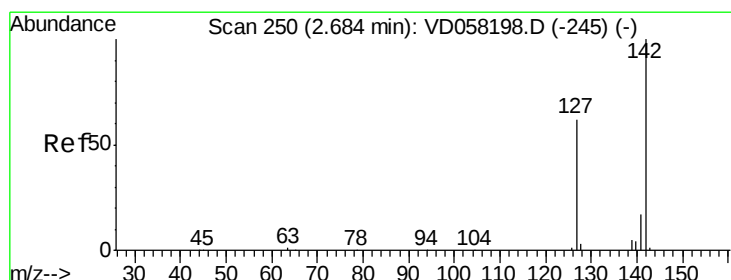
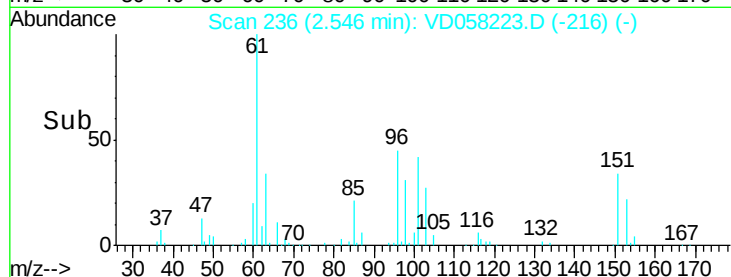
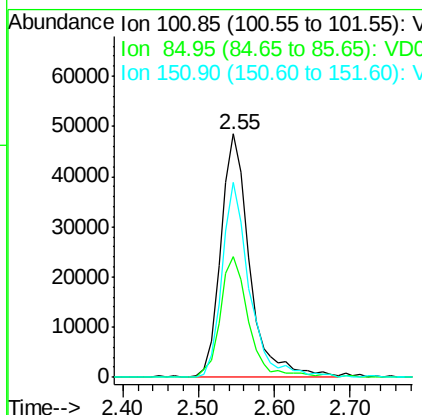
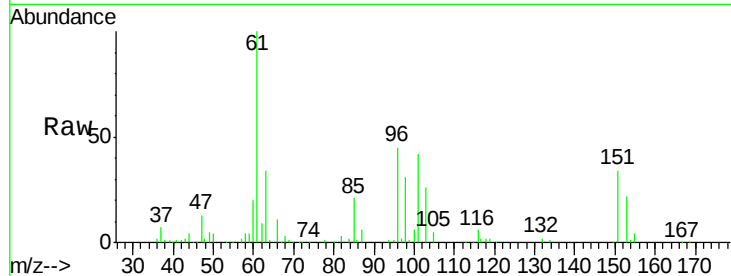
ClientSampleId :

AREA1(S)MSD

Tot Ion:	101	Resp:	128533
Ion Ratio	Lower	Upper	
101	100		
85	49.8	39.0	58.4
151	80.0	61.8	92.8

Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



#10

Methyl Iodide

Concen: 21.95 ug/l

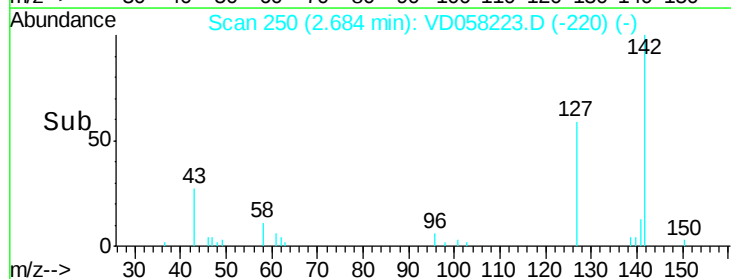
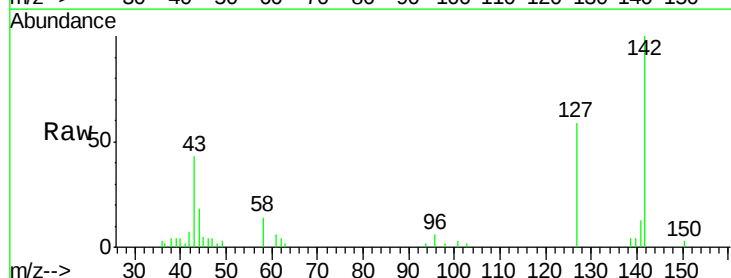
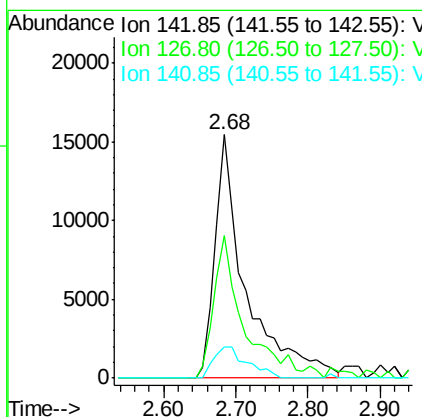
RT: 2.68 min Scan# 250

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Tgt Ion:	142	Resp:	45400
Ion Ratio	Lower	Upper	
142	100		
127	58.7	49.4	74.0
141	12.9	13.5	20.3#





#11

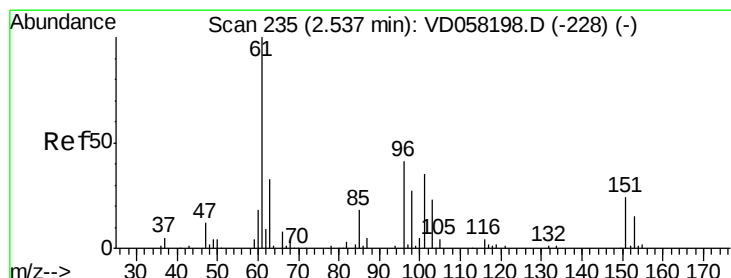
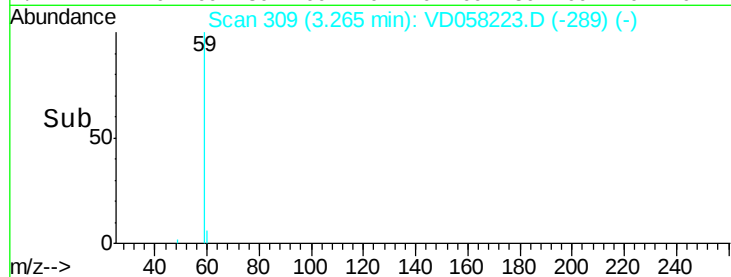
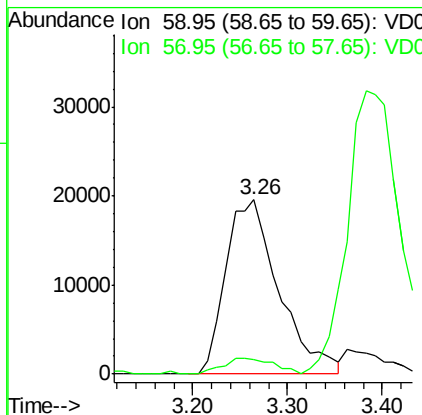
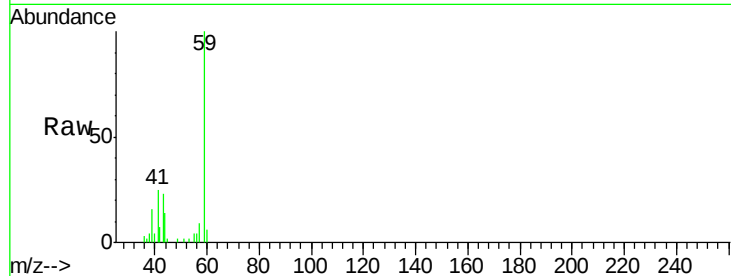
Tert butyl alcohol
Concen: 572.37 ug/l
RT: 3.26 min Scan# 309
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	6.2	9.4

Manual Integrations
APPROVED

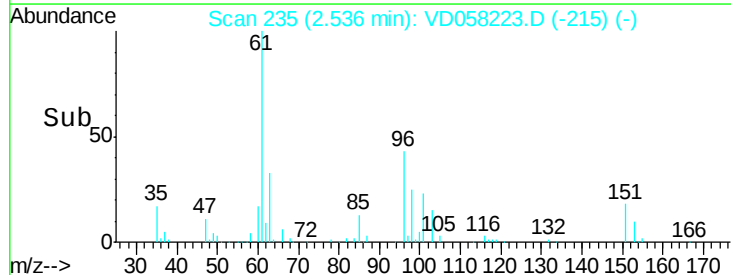
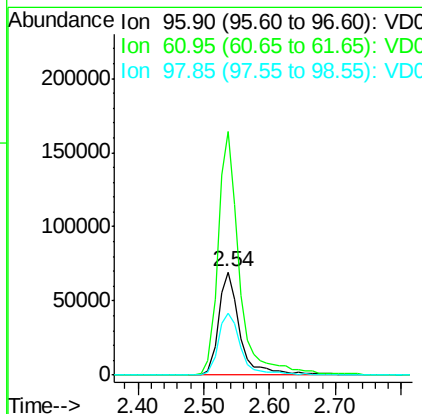
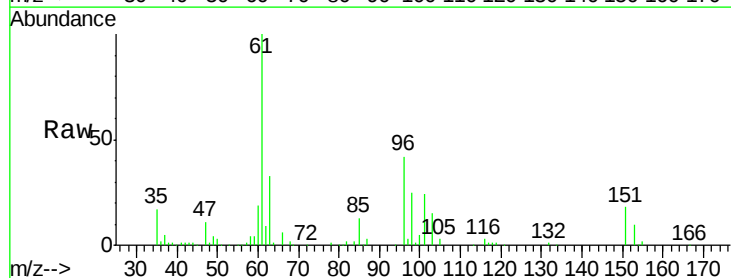
apatel
6/21/2018 11:30:35 AM

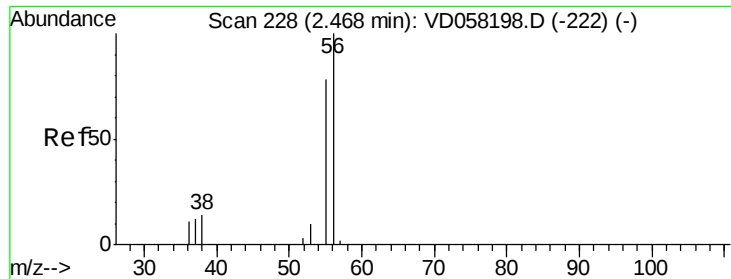


#12

1,1-Dichloroethene
Concen: 114.81 ug/l
RT: 2.54 min Scan# 235
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	236.0	193.9	290.9
98	59.5	51.7	77.5





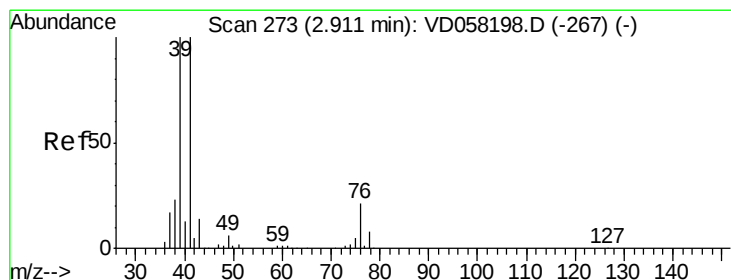
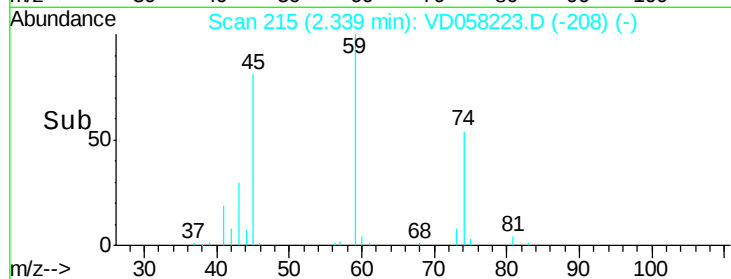
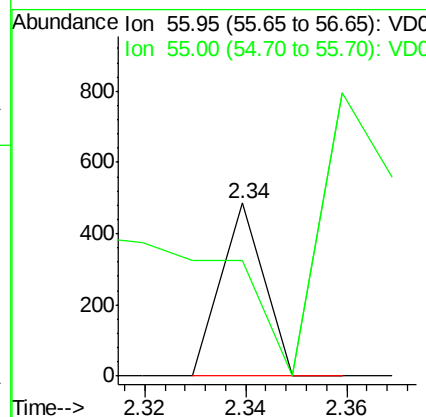
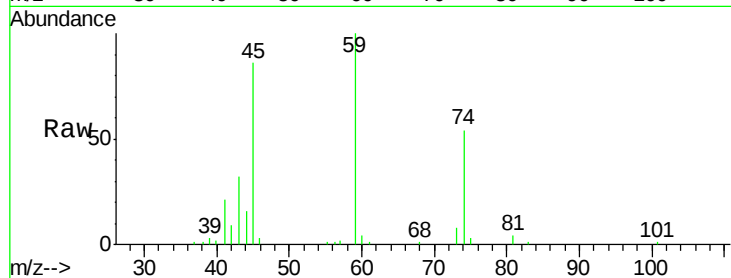
#13
Acrolein
Concen: 3.79 ug/l
RT: 2.34 min Scan# 215
Delta R.T. -0.13 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion: 56 Resp: 287
Ion Ratio Lower Upper
56 100
55 67.1 62.1 93.1

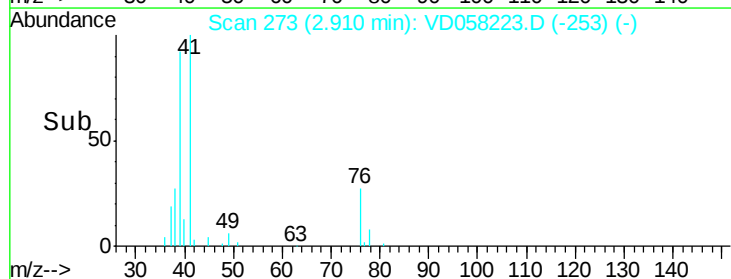
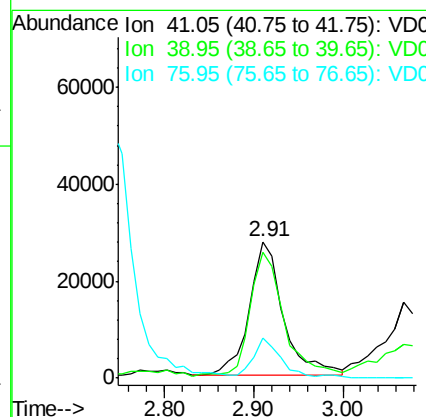
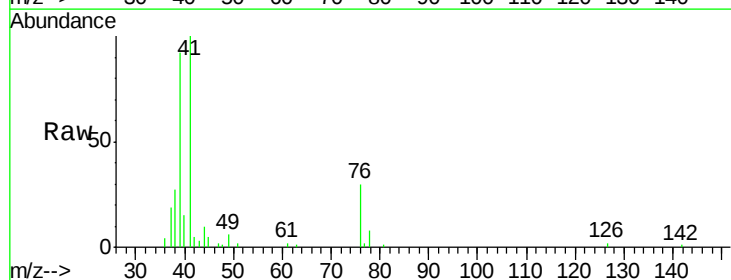
Manual Integrations
APPROVED

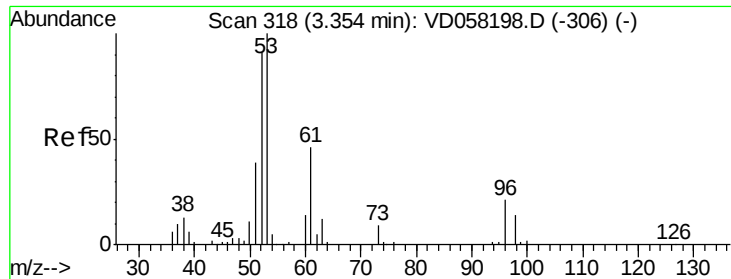
apatel
6/21/2018 11:30:35 AM



#14
Allyl chloride
Concen: 23.18 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion: 41 Resp: 73799
Ion Ratio Lower Upper
41 100
39 92.3 80.1 120.1
76 29.6 19.4 29.2#





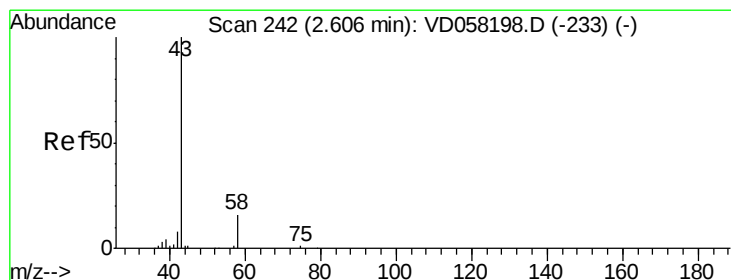
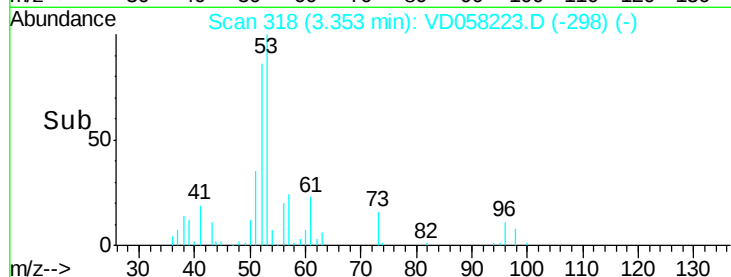
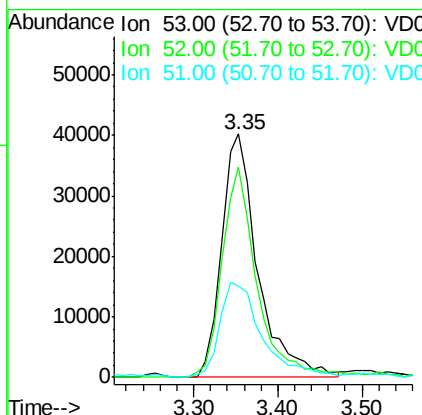
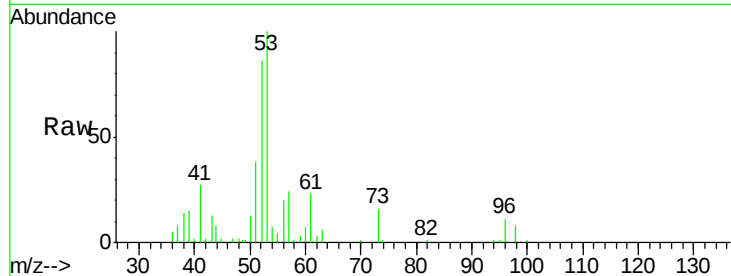
#15
 Acrylonitrile
 Concen: 341.34 ug/l
 RT: 3.35 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

Tot Ion	53	Resp	120071
Ion Ratio	Lower	Upper	
53	100		
52	86.4	72.6	108.8
51	37.7	32.2	48.4

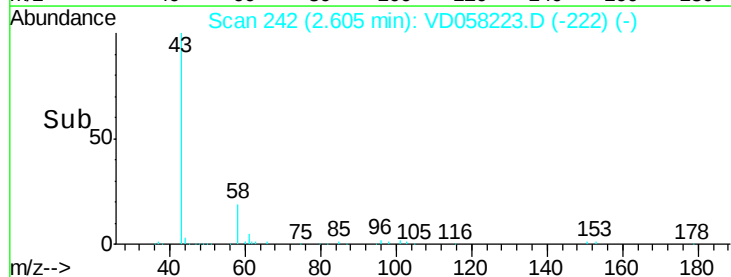
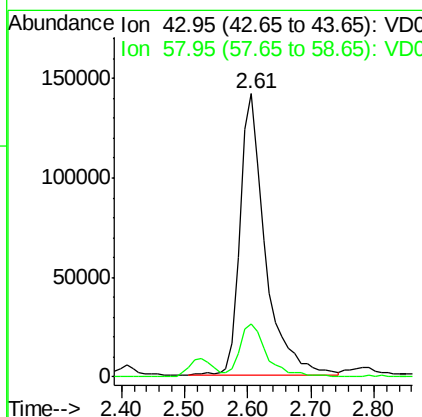
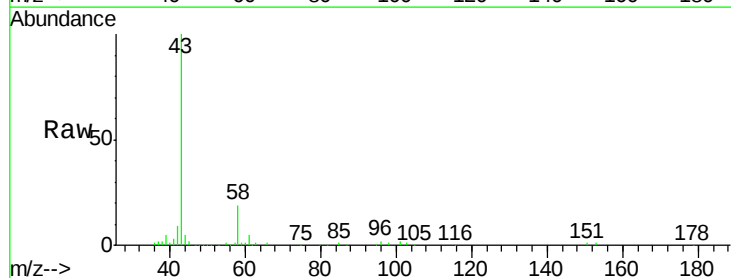
Manual Integrations
 APPROVED

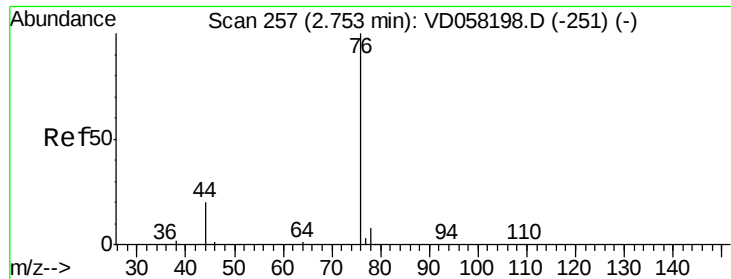
apatel
 6/21/2018 11:30:35 AM



#16
 Acetone
 Concen: 709.08 ug/l
 RT: 2.61 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion	43	Resp	390053
Ion Ratio	Lower	Upper	
43	100		
58	18.6	12.7	19.1





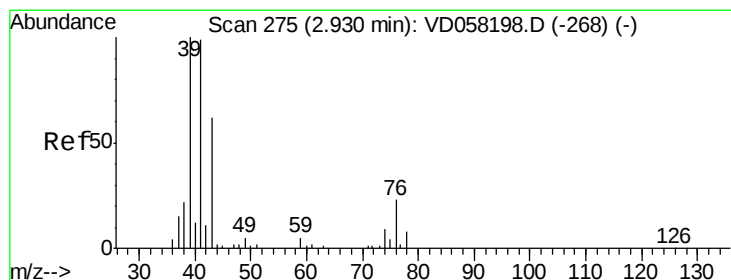
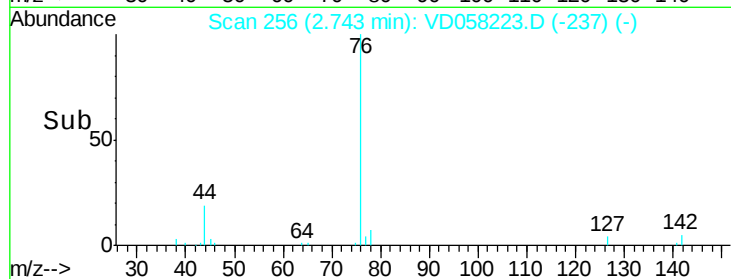
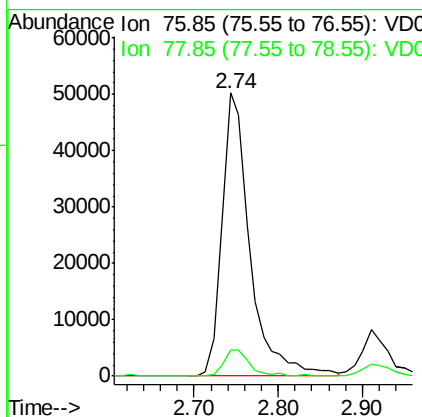
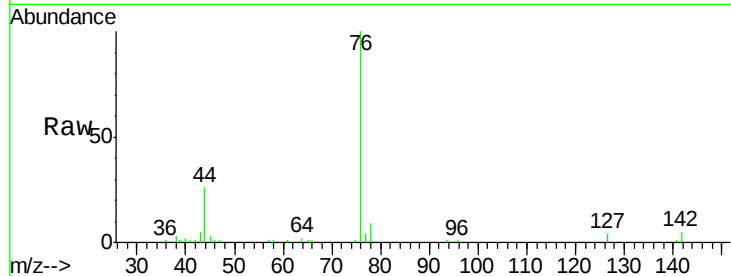
#17
Carbon Disulfide
Concen: 24.83 ug/l
RT: 2.74 min Scan# 256
Delta R.T. -0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
76	100		115589		
78	9.2		6.8	10.2	

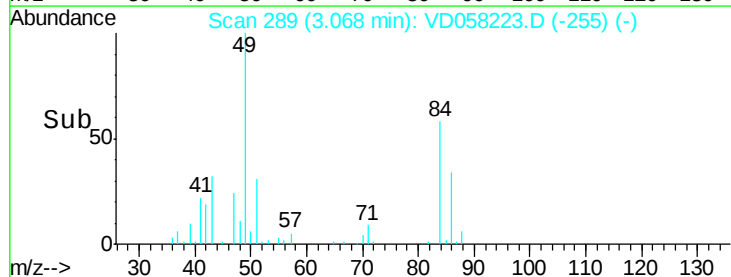
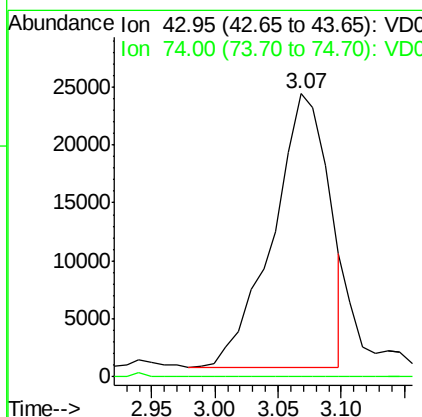
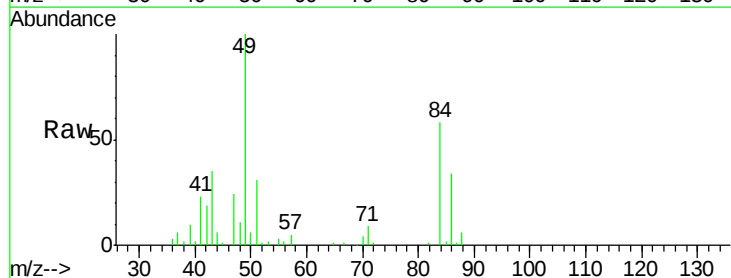
Manual Integrations
APPROVED

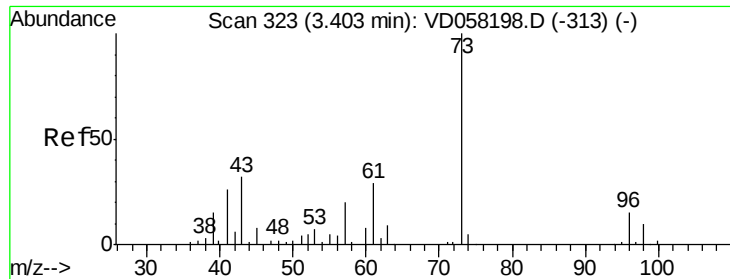
apatel
6/21/2018 11:30:35 AM



#18
Methyl Acetate
Concen: 62.71 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.14 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		73563		
74	0.0		11.7	17.5#	





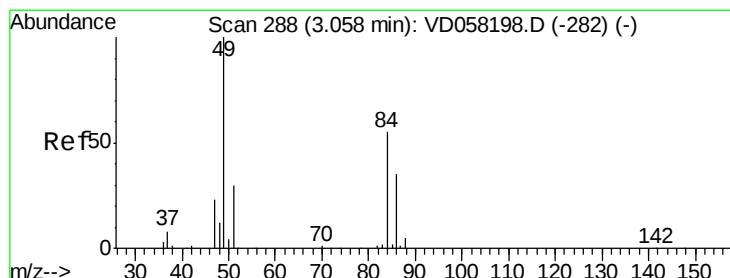
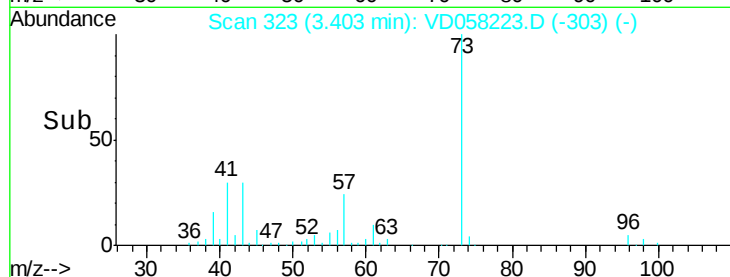
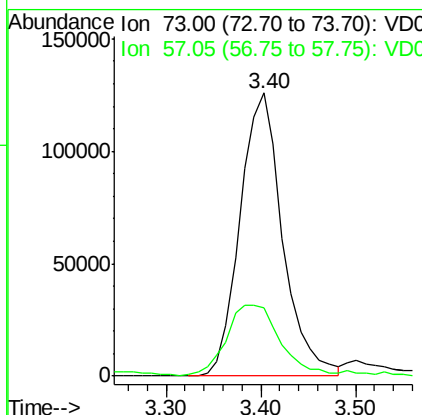
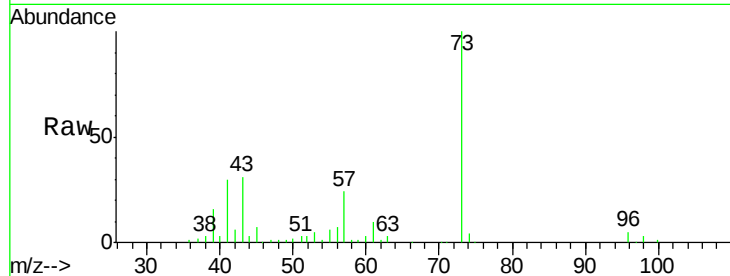
#19
Methvl tert-butvl Ether
Concen: 108.53 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	16.6	24.8

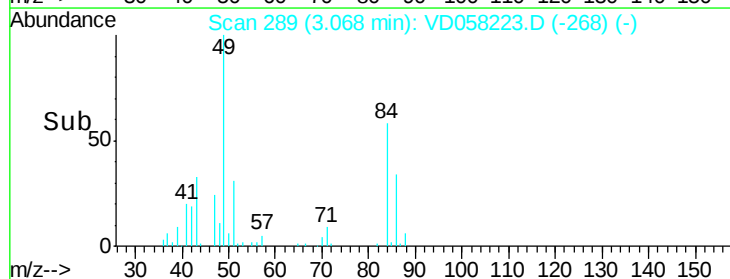
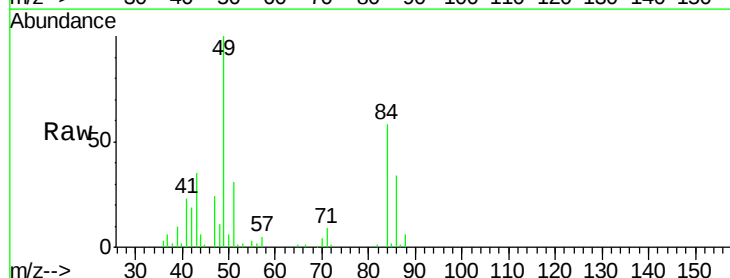
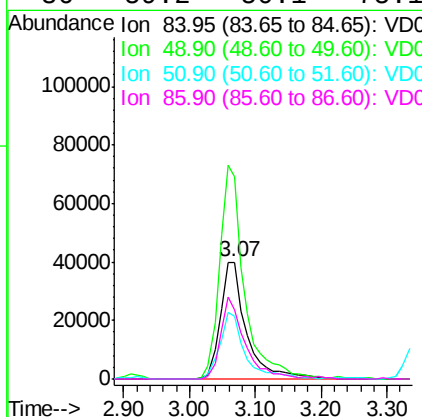
Manual Integrations
APPROVED

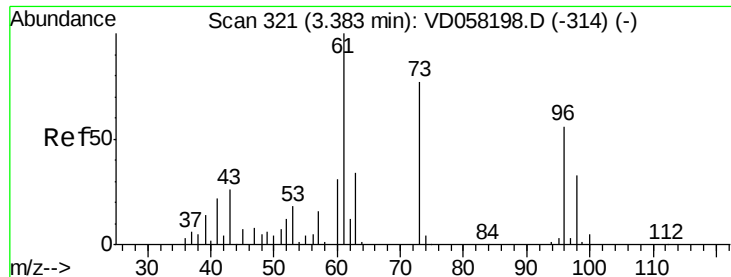
apatel
6/21/2018 11:30:35 AM



#20
Methylene Chloride
Concen: 80.18 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	172.5	145.0	217.6
51	53.9	42.9	64.3
86	59.2	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 33.91 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

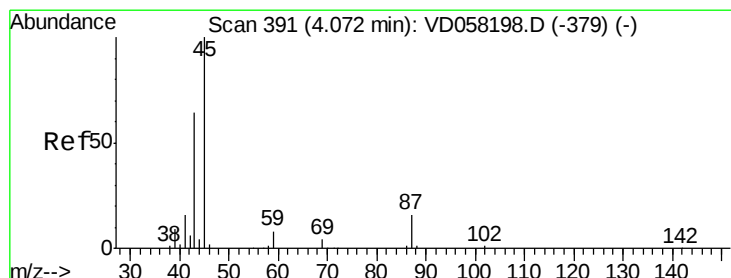
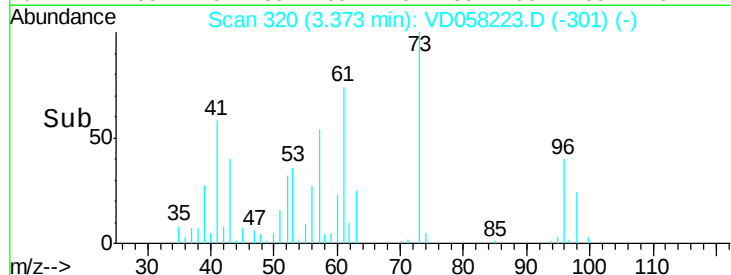
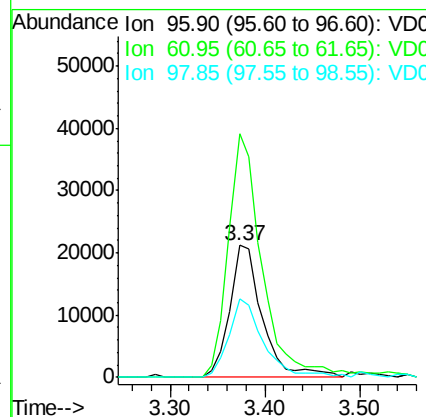
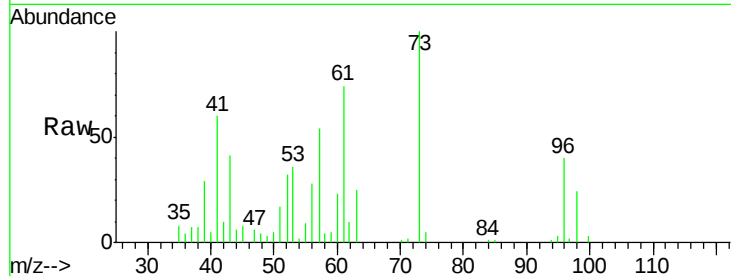
ClientSampleID :

AREA1(S)MSD

Tot Ion:	96	Resp:	50702
Ion	Ratio	Lower	Upper
96	100		
61	184.5	143.8	215.6
98	59.4	48.0	72.0

Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



#22

Diisopropyl ether

Concen: 98.80 ug/l

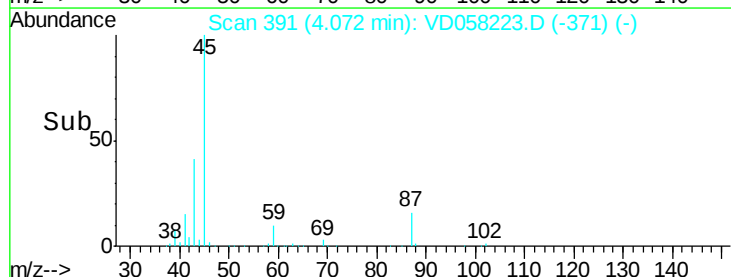
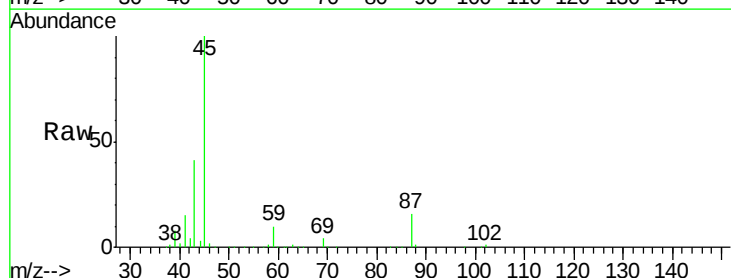
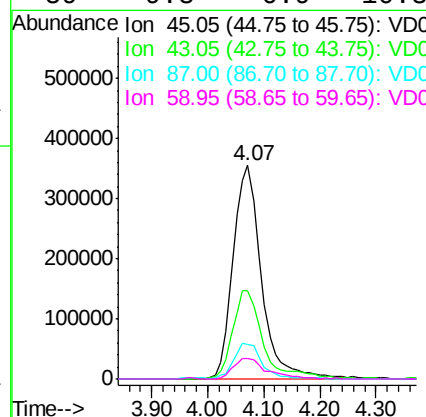
RT: 4.07 min Scan# 391

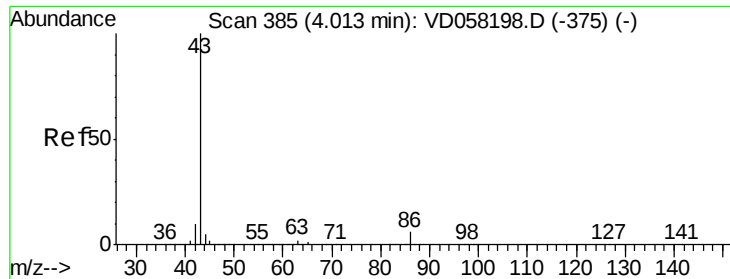
Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Tgt Ion:	45	Resp:	1249541
Ion	Ratio	Lower	Upper
45	100		
43	41.2	51.4	77.0#
87	16.3	13.0	19.4
59	9.8	6.9	10.3





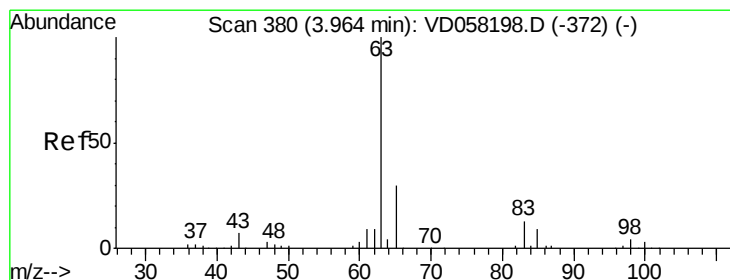
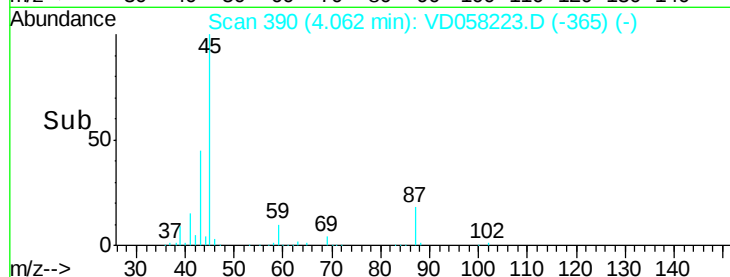
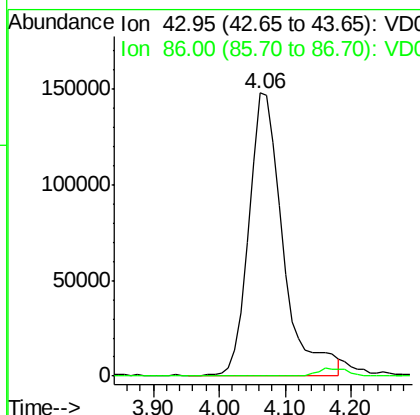
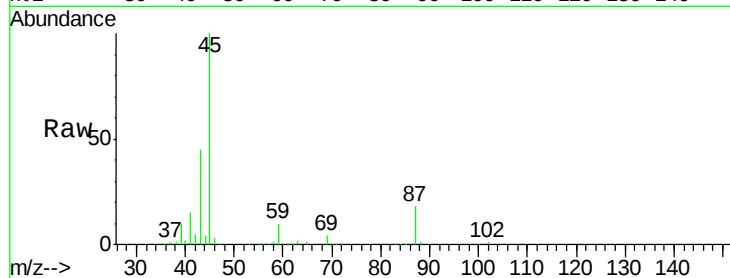
#23
 Vinyl Acetate
 Concen: 78.95 ug/l
 RT: 4.06 min Scan# 390
 Delta R.T. 0.05 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#

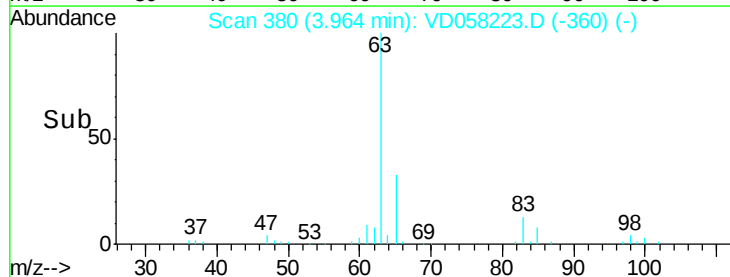
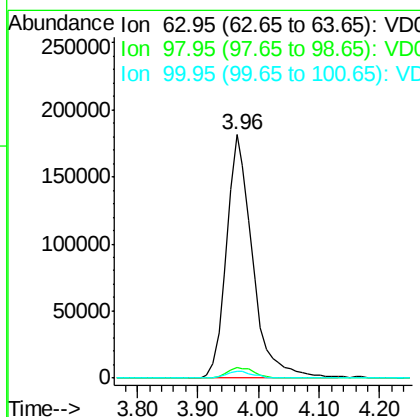
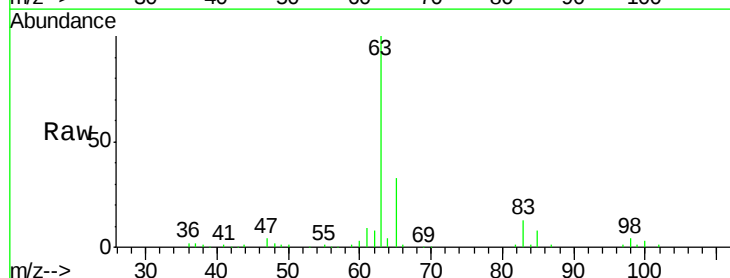
Manual Integrations
 APPROVED

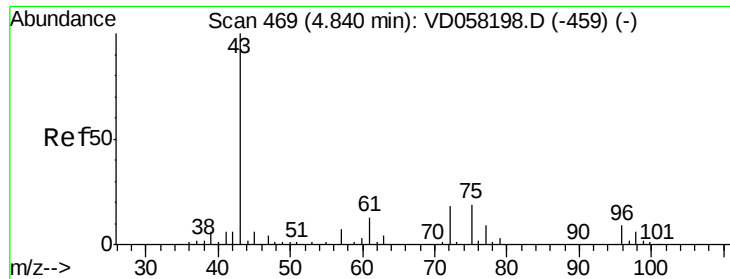
apatel
 6/21/2018 11:30:35 AM



#24
 1,1-Dichloroethane
 Concen: 79.64 ug/l
 RT: 3.96 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.4	1.9	5.7
100	2.7	1.3	3.9





#25

2-Butanone

Concen: 615.58 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 43 Resp: 738037

Ion Ratio Lower Upper

43 100

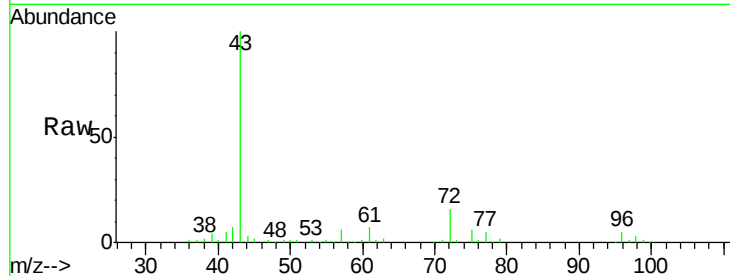
72 16.5 14.1 21.1

Manual Integrations

APPROVED

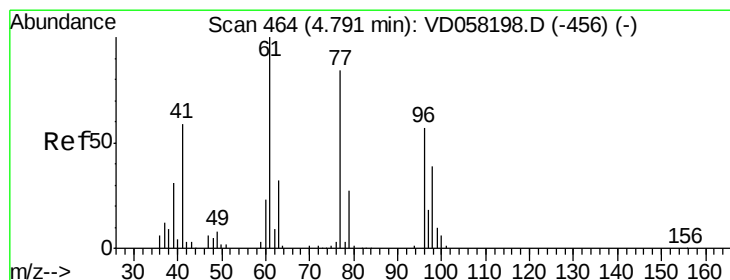
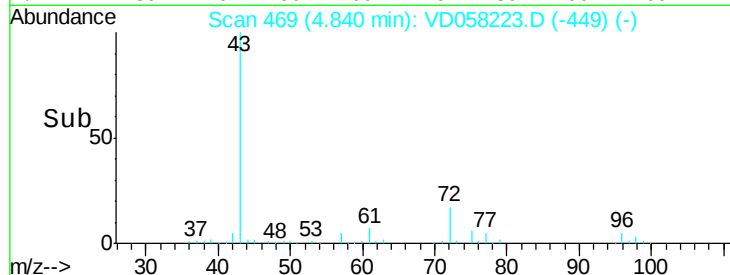
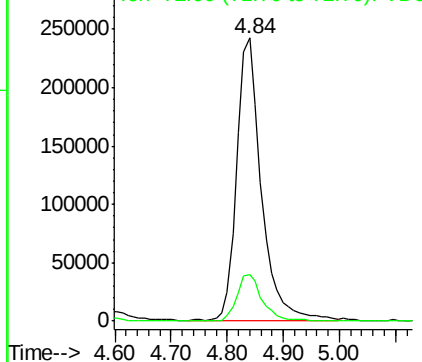
apatel

6/21/2018 11:30:35 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 39.93 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD058223.D

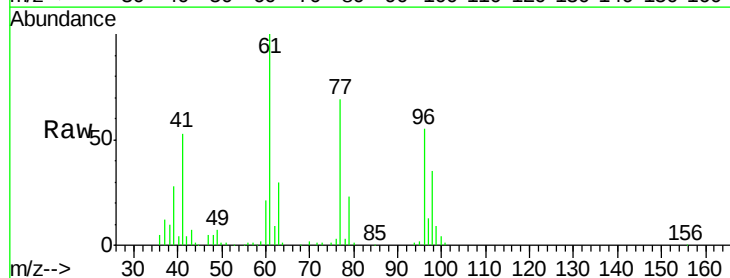
Acq: 20 Jun 2018 21:29

Tgt Ion: 77 Resp: 227780

Ion Ratio Lower Upper

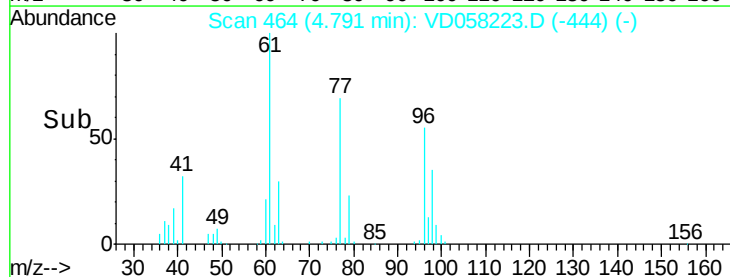
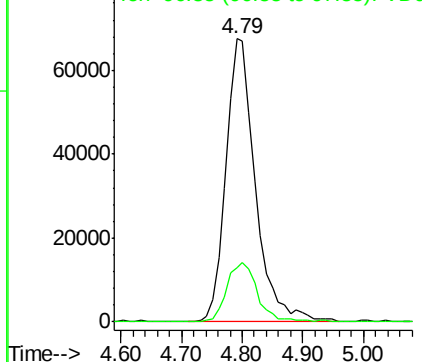
77 100

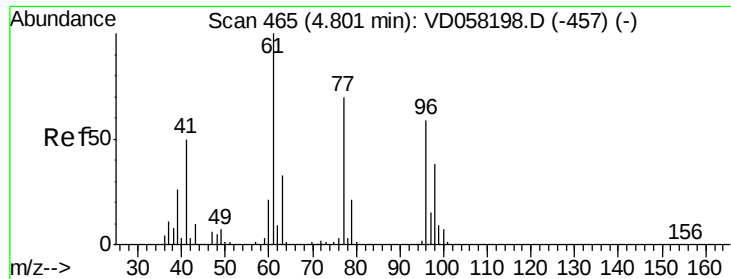
97 19.2 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 49.12 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

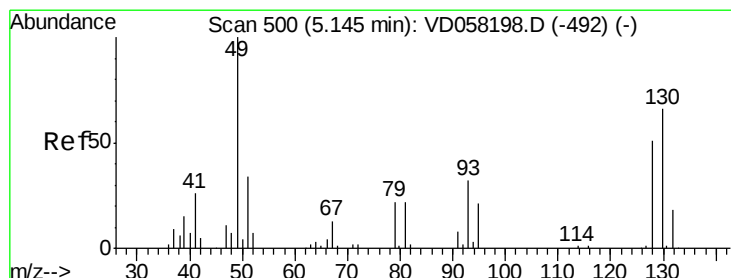
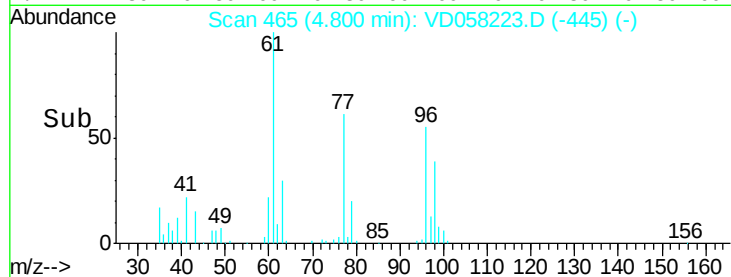
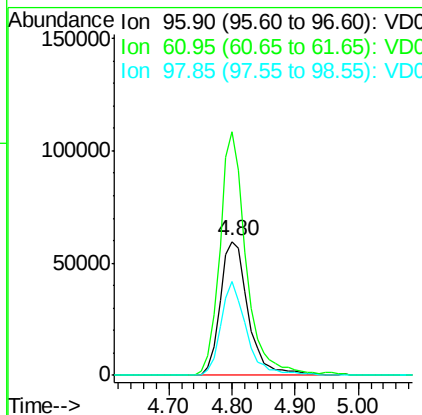
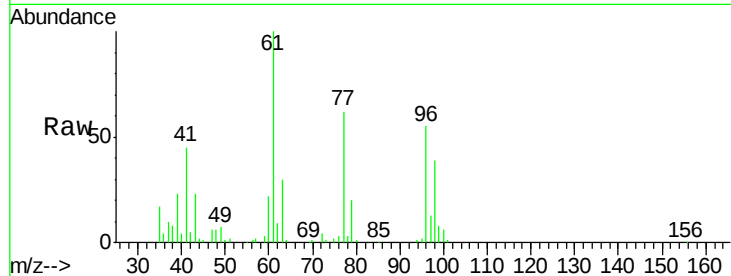
ClientSampleId :

AREA1(S)MSD

Tot Ion:	96	Resp:	183525
Ion	Ratio	Lower	Upper
96	100		
61	181.7	0.0	338.6
98	70.3	0.0	130.2

Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



#28

Bromochloromethane

Concen: 60.42 ug/l

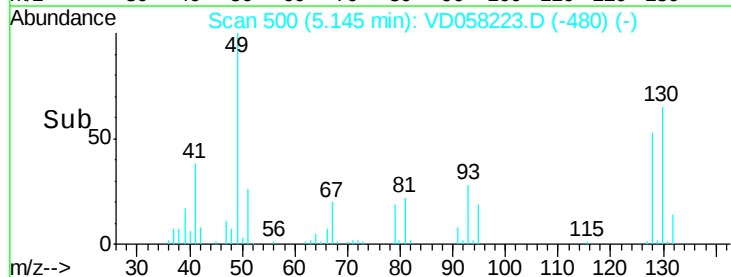
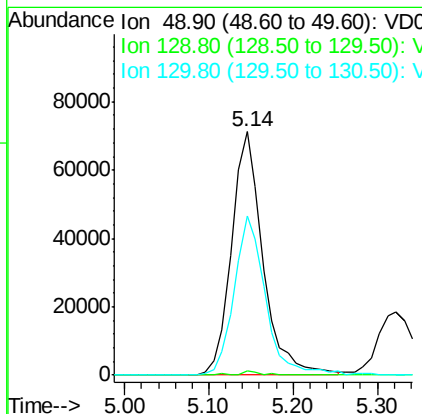
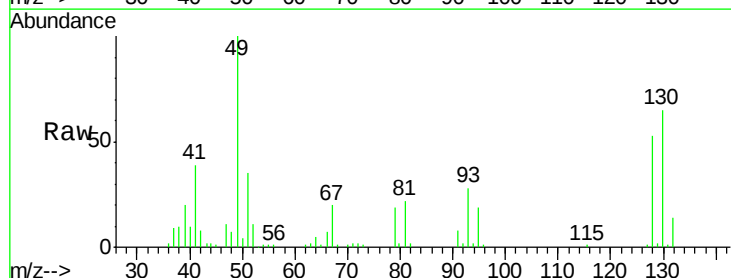
RT: 5.14 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Tgt Ion:	49	Resp:	184528
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	0.0#
130	65.2	52.6	79.0





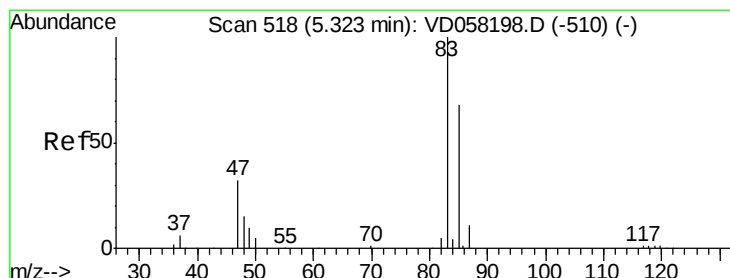
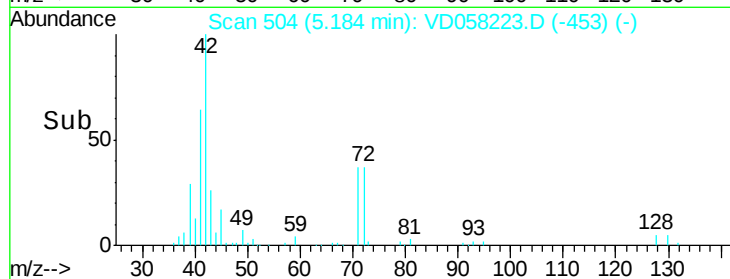
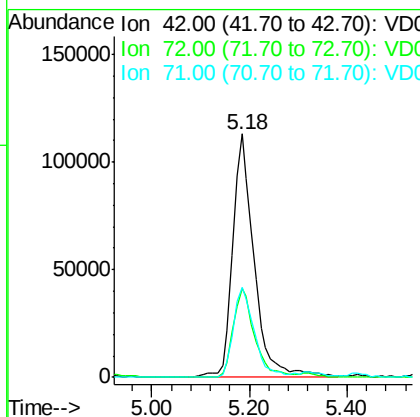
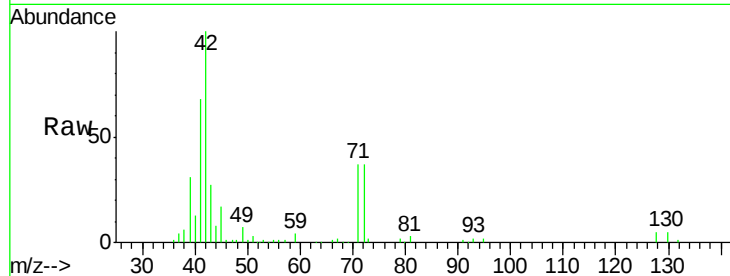
#29
Tetrahydrofuran
Concen: 543.56 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.2	45.2
71	36.1	30.1	45.1

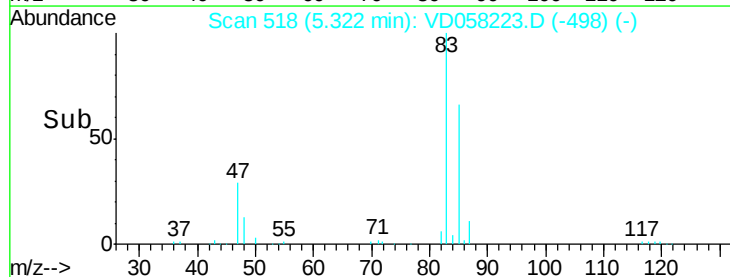
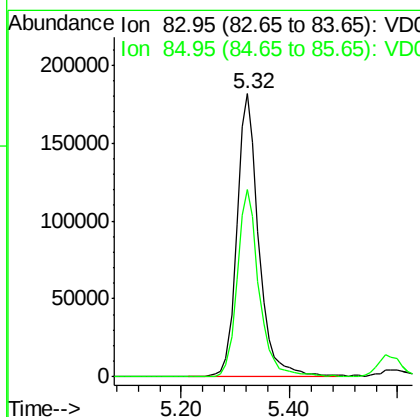
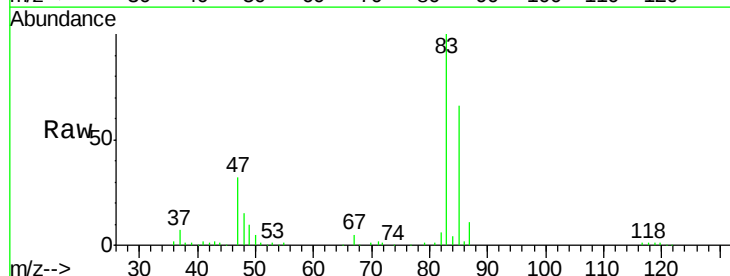
Manual Integrations
APPROVED

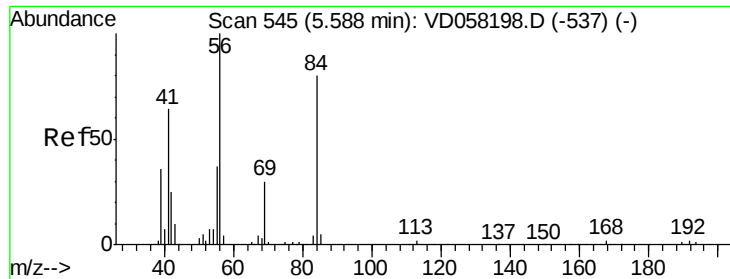
apatel
6/21/2018 11:30:35 AM



#30
Chloroform
Concen: 71.40 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	54.8	82.2





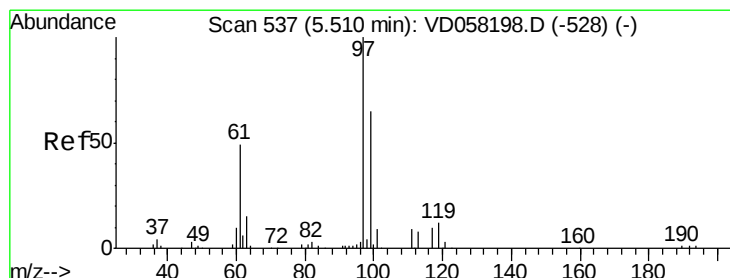
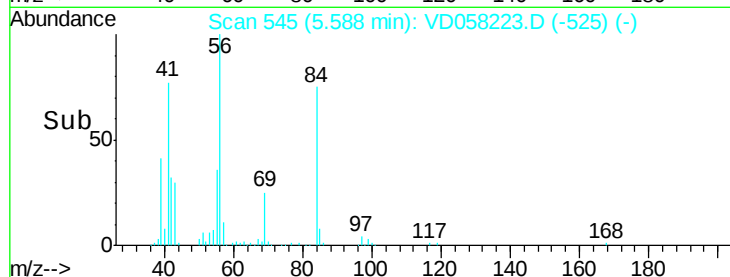
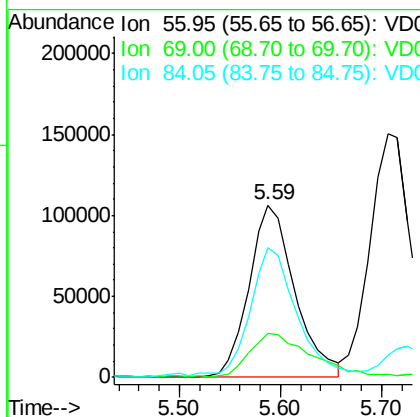
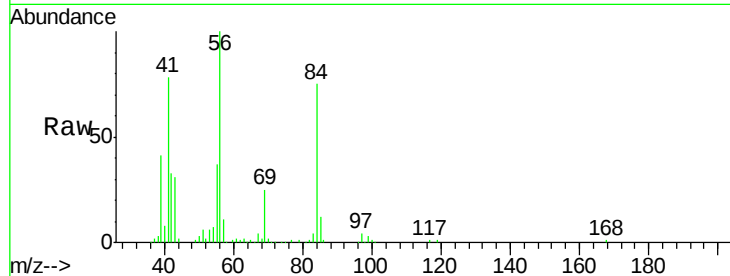
#31
Cyclohexane
Concen: 70.19 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.2	23.6	35.4
84	75.2	65.2	97.8

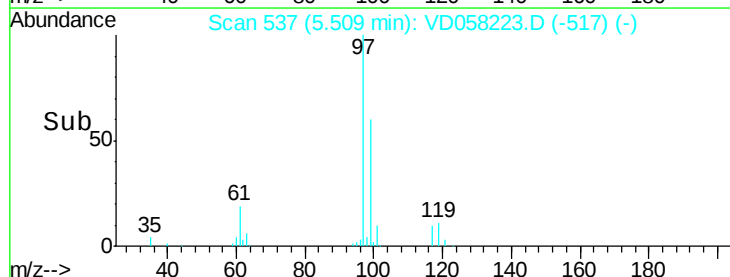
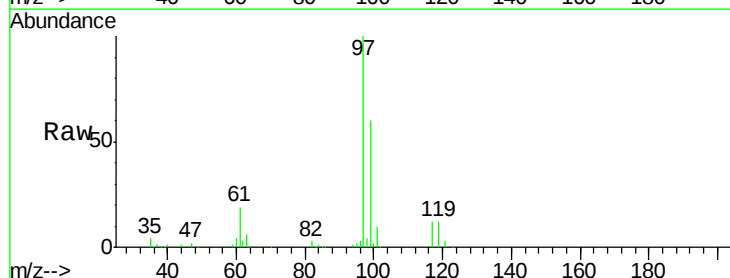
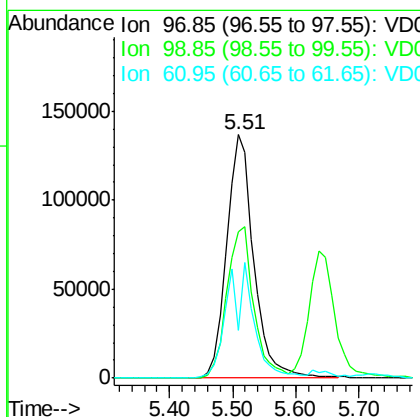
Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



#32
1,1,1-Trichloroethane
Concen: 68.11 ug/l
RT: 5.51 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.1	52.2	78.4
61	19.4	39.0	58.4#





#33

1,2-Dichloroethane-d4

Concen: 68.11 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 65 Resp: 216483

Ion Ratio Lower Upper

65 100

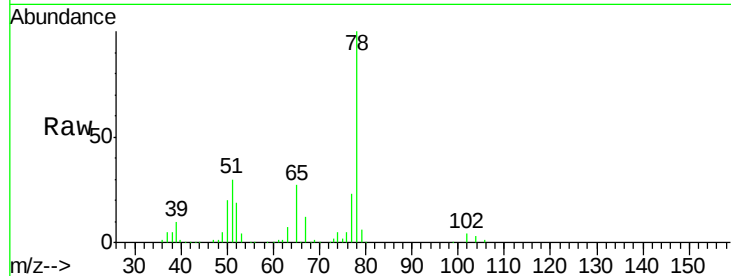
67 43.2 0.0 97.8

Manual Integrations

APPROVED

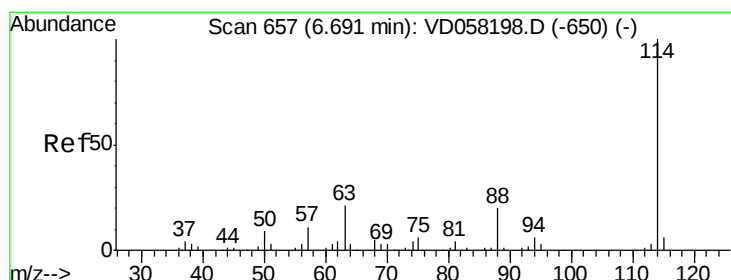
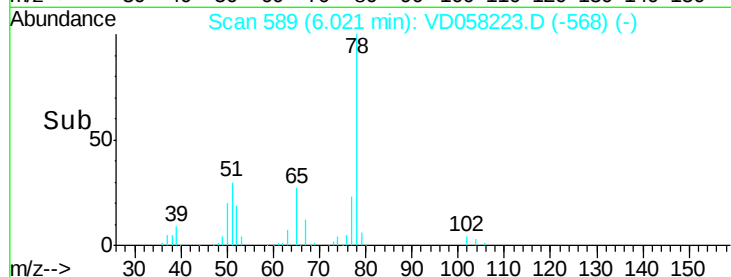
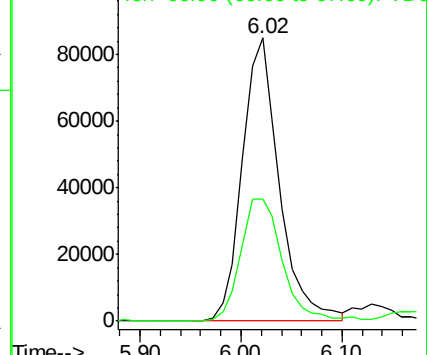
apatel

6/21/2018 11:30:35 AM



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

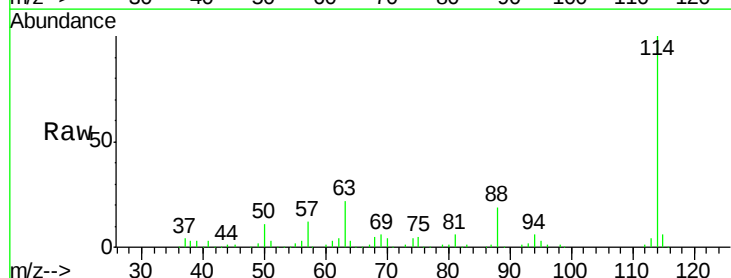
Tgt Ion: 114 Resp: 524724

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.6

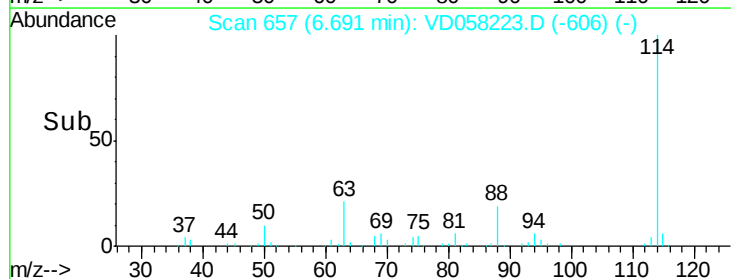
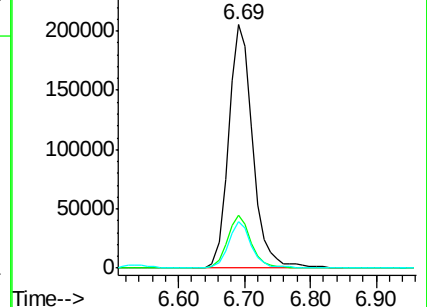
88 19.2 0.0 40.6

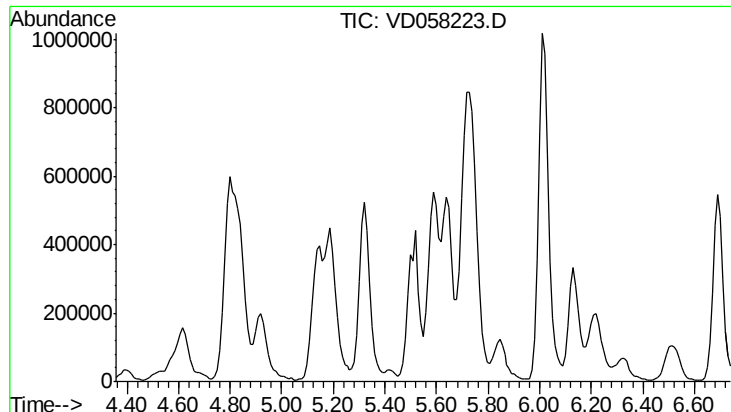


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





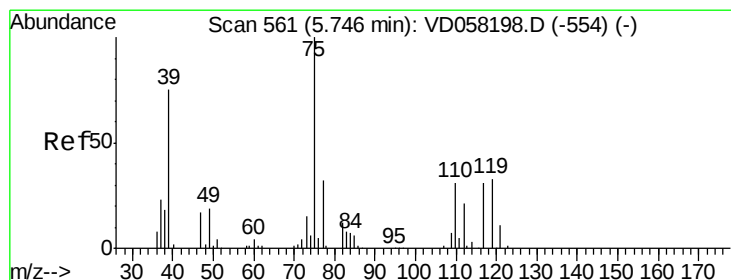
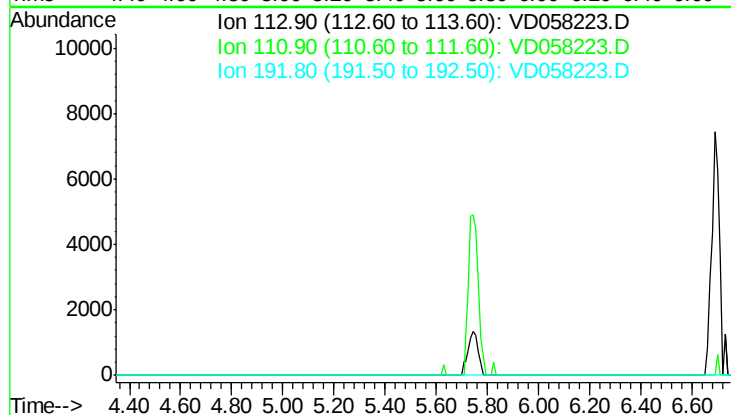
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 Expected RT: 5.55 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 100.8
 192 22.2

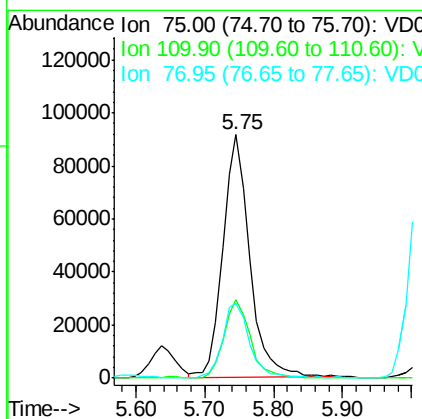
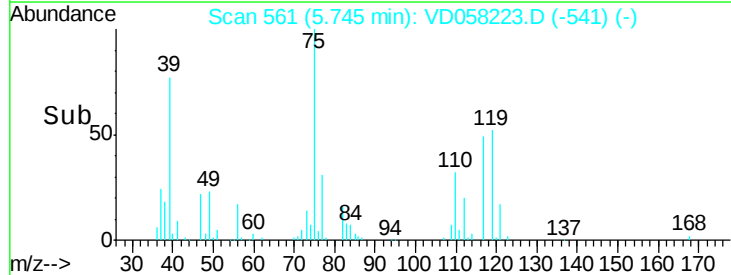
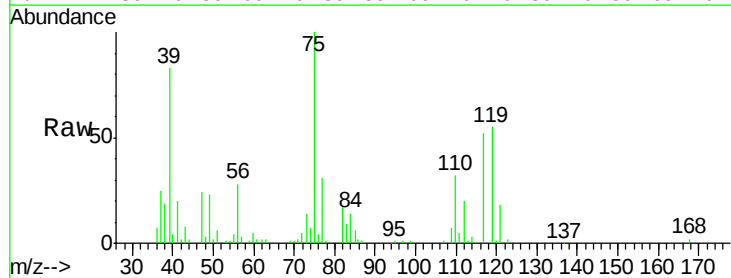
Manual Integrations
 APPROVED

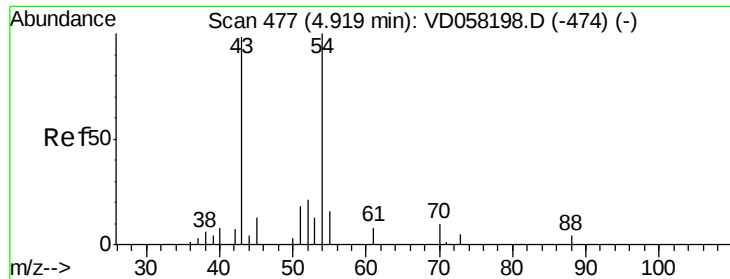
apatel
 6/21/2018 11:30:35 AM



#36
 1,1-Dichloropropene
 Concen: 47.45 ug/l
 RT: 5.75 min Scan# 561
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion: 75 Resp: 246328
 Ion Ratio Lower Upper
 75 100
 110 32.1 15.4 46.4
 77 30.6 25.4 38.2





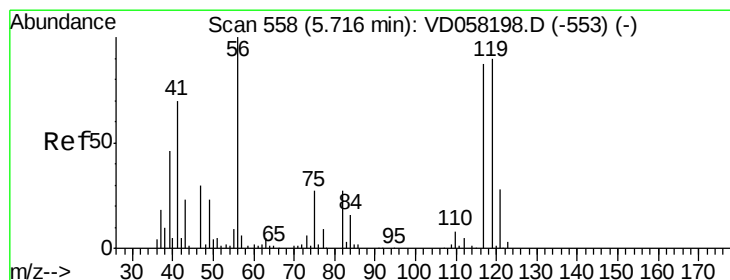
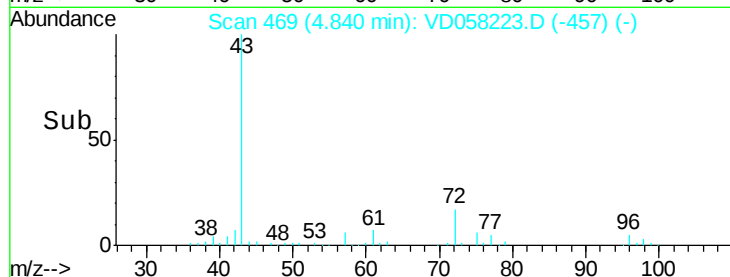
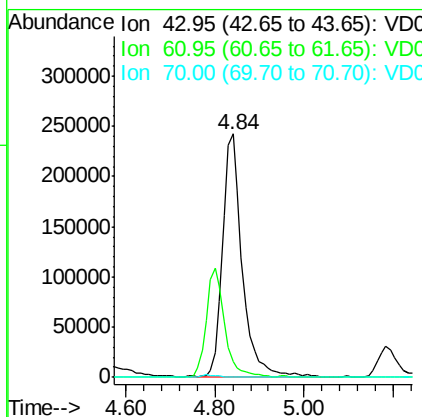
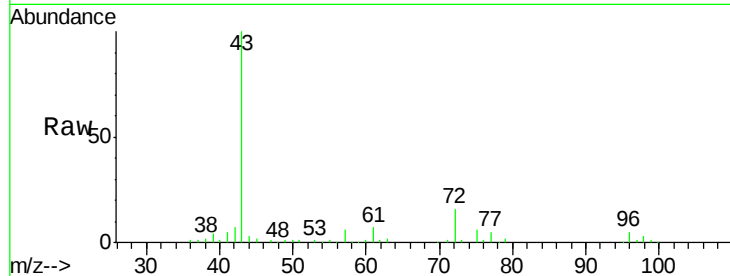
#37
Ethyl Acetate
Concen: 248.54 ug/l
RT: 4.84 min Scan# 469
Delta R.T. -0.08 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	6.7	10.3	15.5#
70	0.2	5.7	8.5#

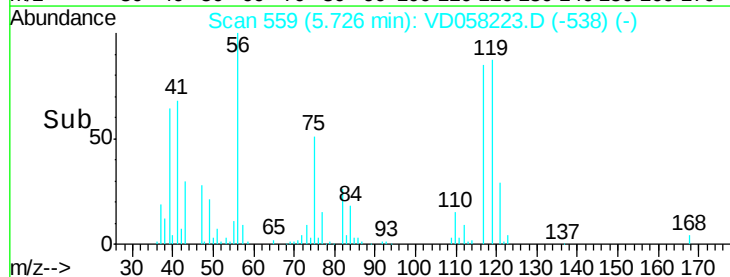
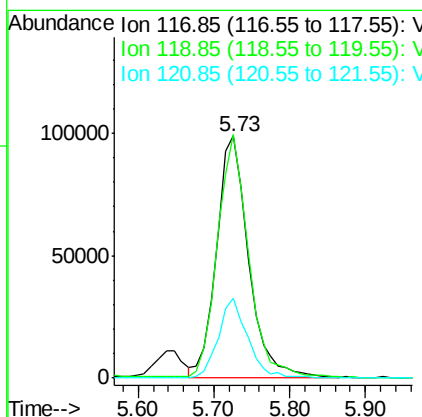
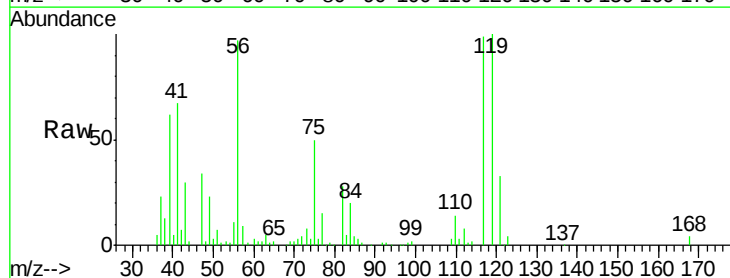
Manual Integrations
APPROVED

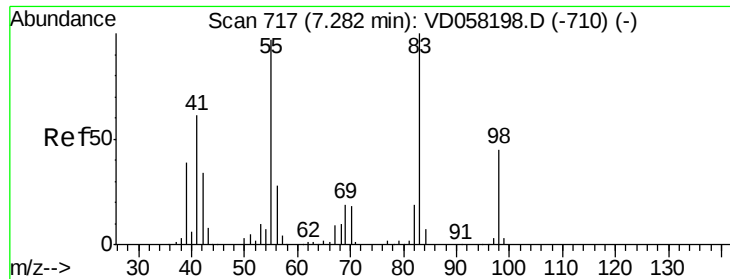
apatel
6/21/2018 11:30:35 AM



#38
Carbon Tetrachloride
Concen: 55.85 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.7	78.8	118.2
121	32.8	25.0	37.6





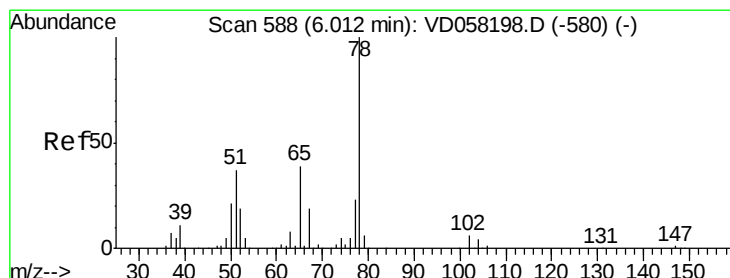
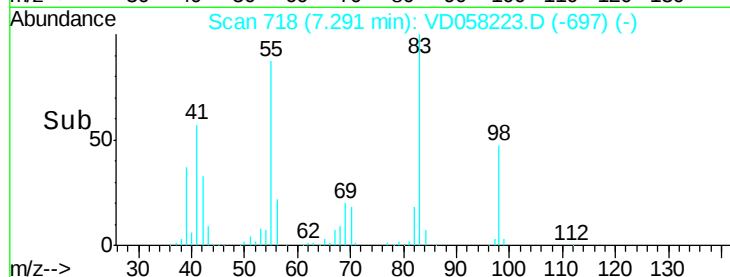
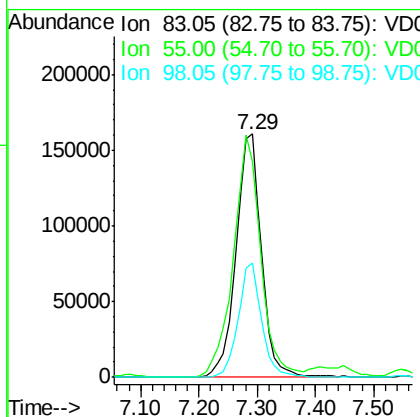
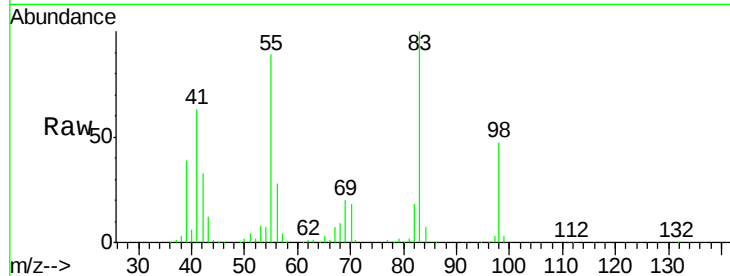
#39
Methylcyclohexane
Concen: 96.44 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.5	77.4	116.2
98	47.0	35.9	53.9

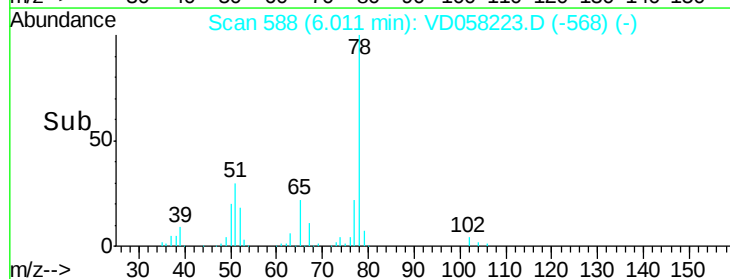
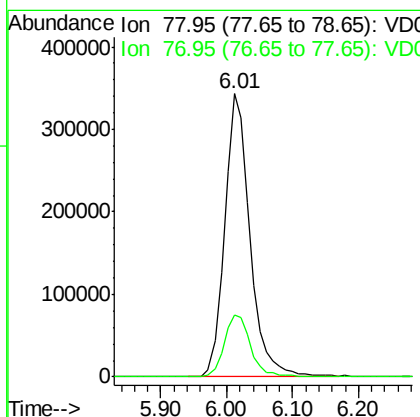
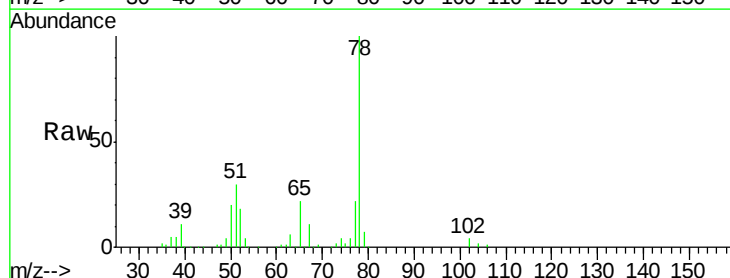
Manual Integrations
APPROVED

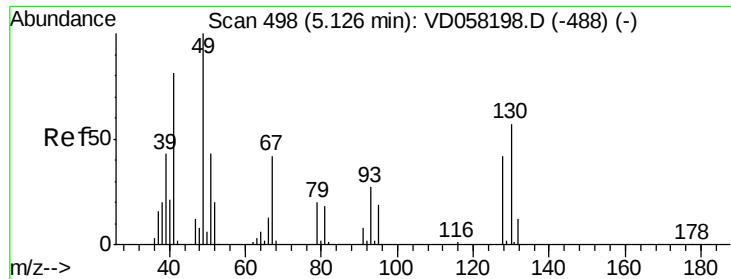
apatel
6/21/2018 11:30:35 AM



#40
Benzene
Concen: 74.55 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.5	27.7





#41

Methacrylonitrile

Concen: 96.41 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 41 Resp: 137683

Ion Ratio Lower Upper

41 100

39 48.8 43.4 65.2

67 47.6 41.7 62.5

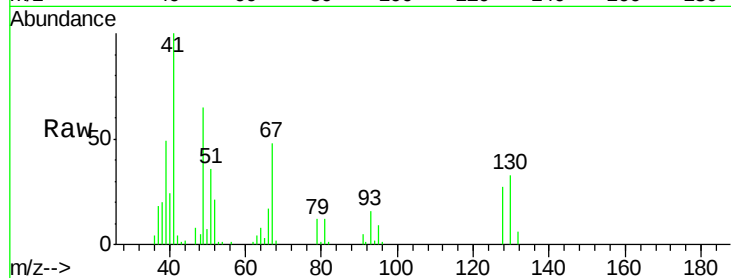
52 20.9 20.6 30.8

Manual Integrations

APPROVED

apatel

6/21/2018 11:30:35 AM

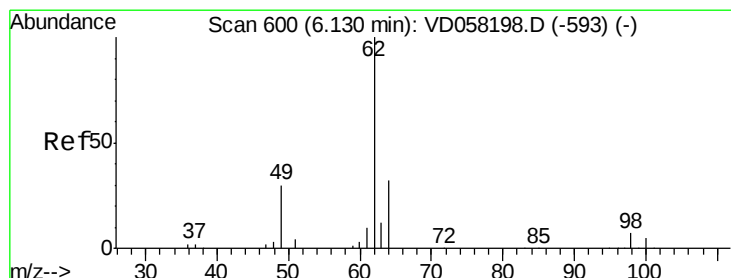
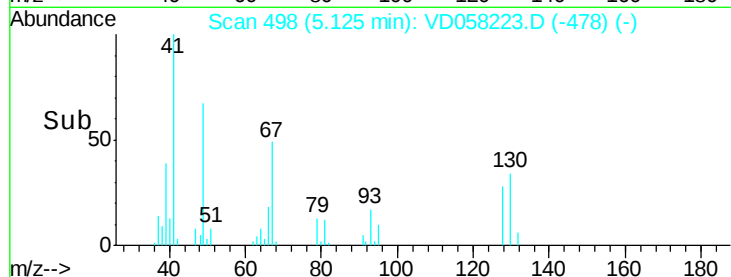
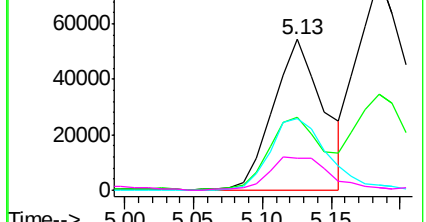


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 64.84 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.00 min

Lab File: VD058223.D

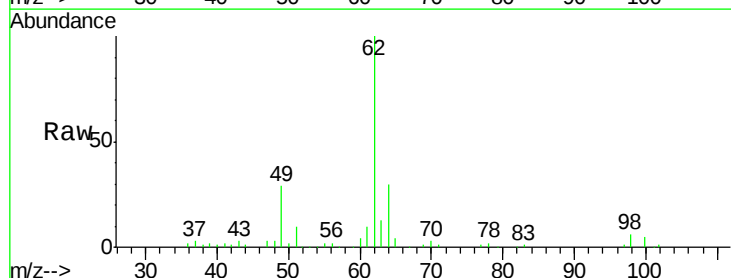
Acq: 20 Jun 2018 21:29

Tgt Ion: 62 Resp: 323274

Ion Ratio Lower Upper

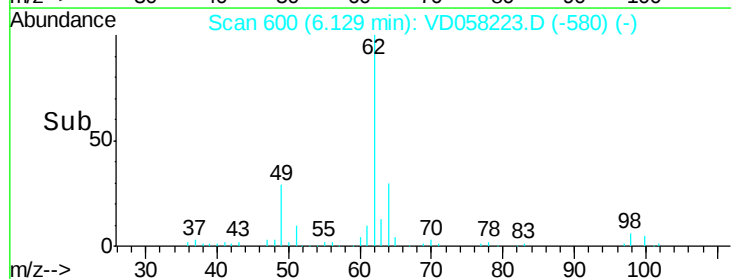
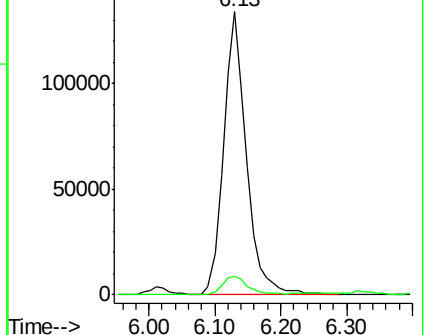
62 100

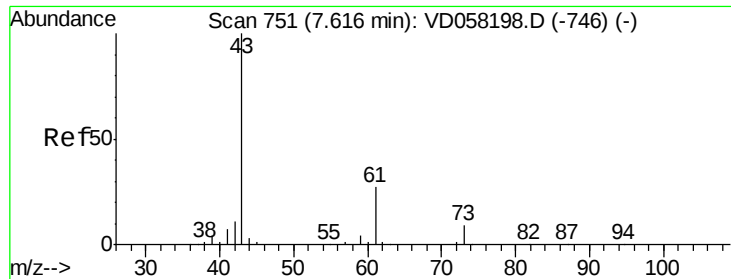
98 6.5 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

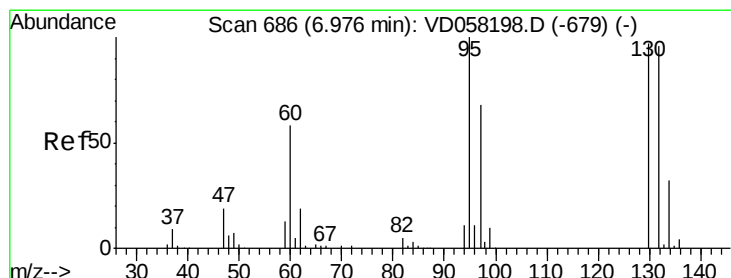
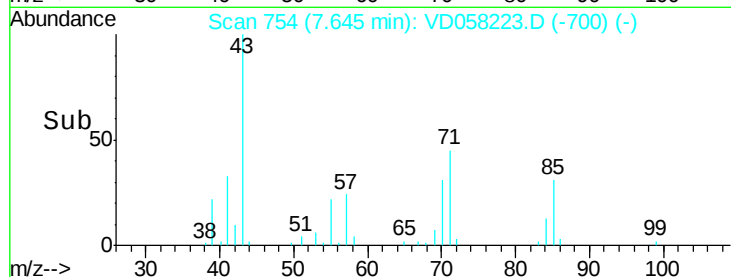
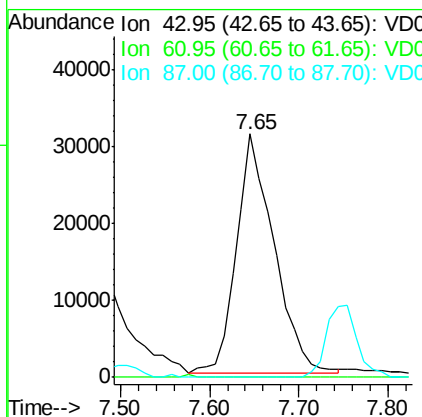
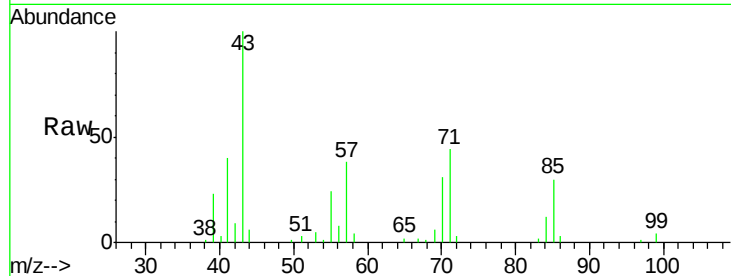
Isopropyl Acetate
 Concen: 22.91 ug/l
 RT: 7.65 min Scan# 754
 Delta R.T. 0.03 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.8	32.6#
87	0.0	0.3	0.5#

Manual Integrations
 APPROVED

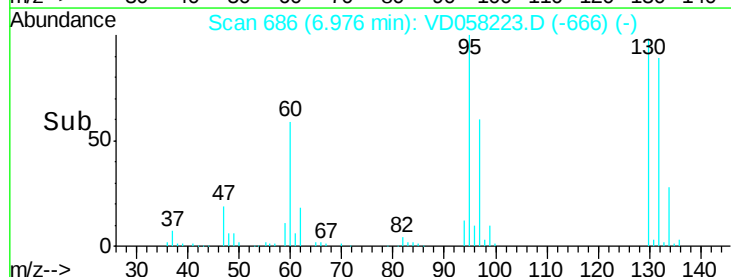
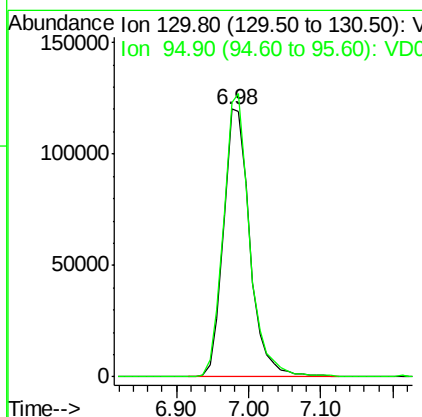
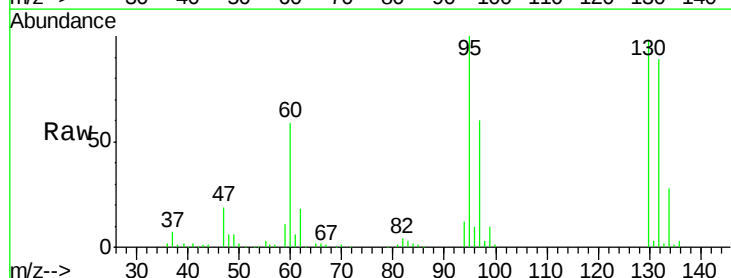
apatel
 6/21/2018 11:30:35 AM

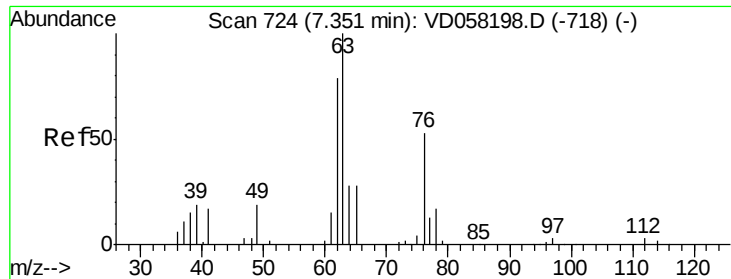


#44

Trichloroethene
 Concen: 82.22 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.6





#45

1,2-Dichloropropane

Concen: 71.67 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 63 Resp: 238661

Ion Ratio Lower Upper

63 100

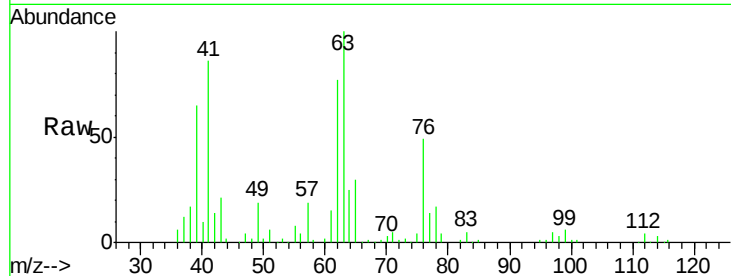
65 30.0 24.0 36.0

Manual Integrations

APPROVED

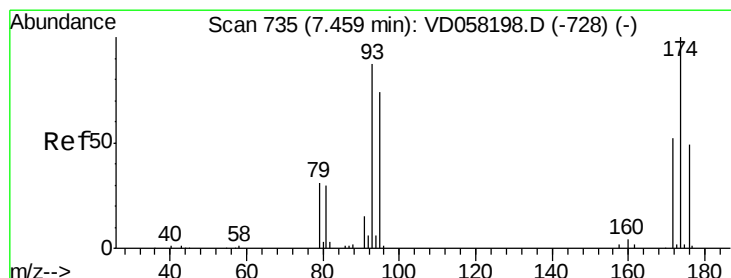
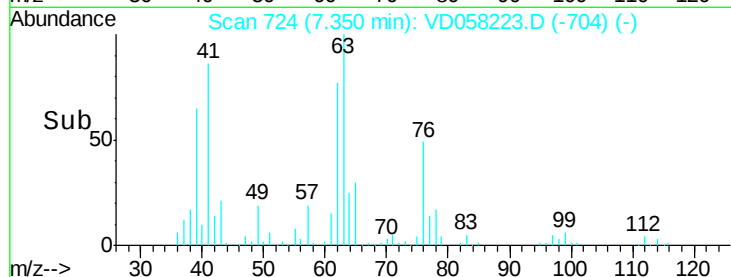
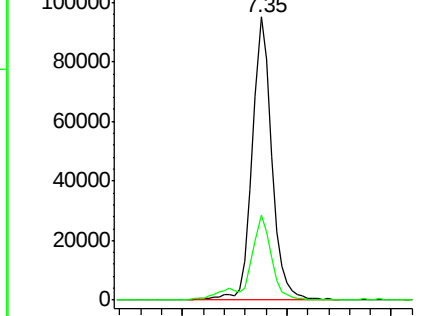
apatel

6/21/2018 11:30:35 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 49.81 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

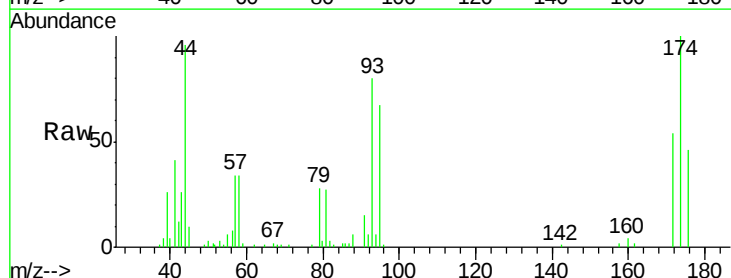
Tgt Ion: 93 Resp: 113224

Ion Ratio Lower Upper

93 100

95 84.6 67.8 101.6

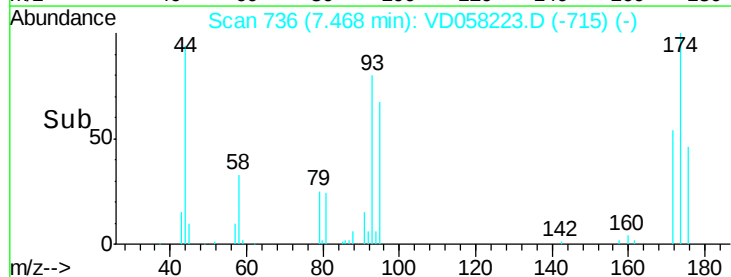
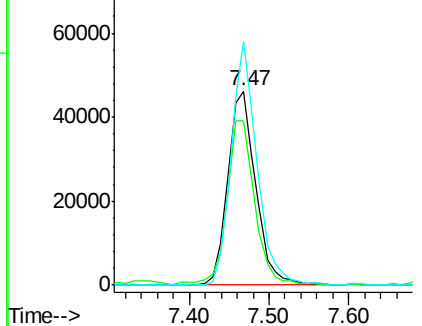
174 125.6 92.2 138.2

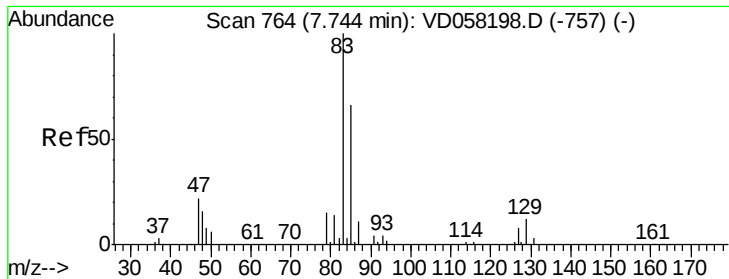


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 41.87 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

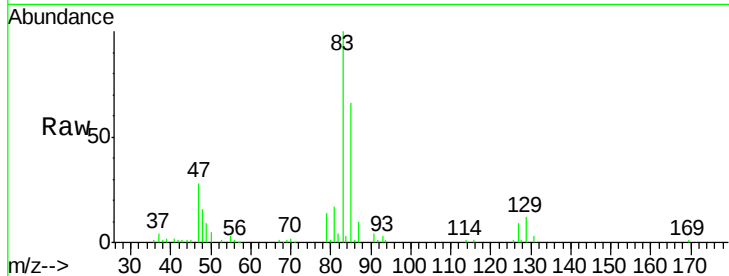
ClientSampleId :

AREA1(S)MSD

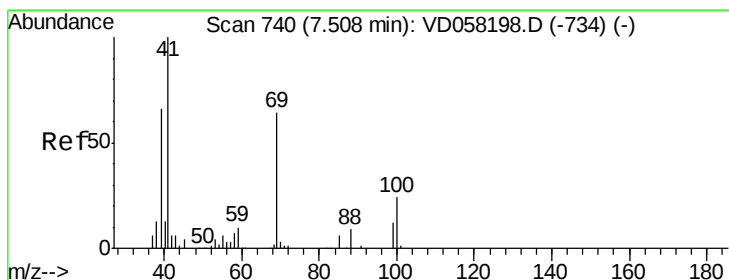
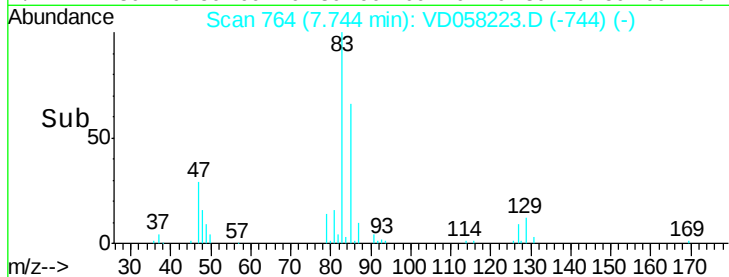
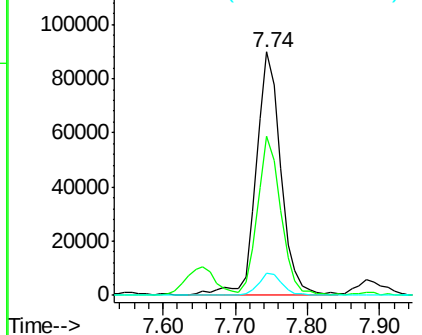
Tot Ion:	83	Resp:	217053
Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.6	78.8
127	8.9	6.2	9.4

Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 8.49 ug/l

RT: 7.55 min Scan# 744

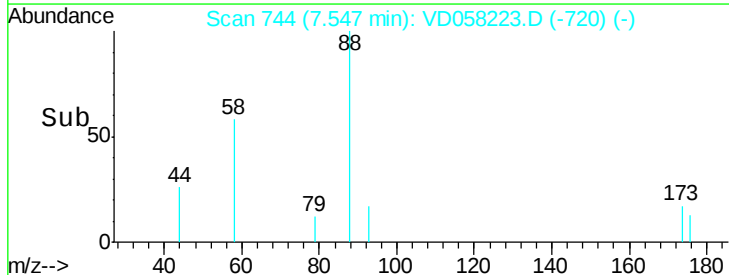
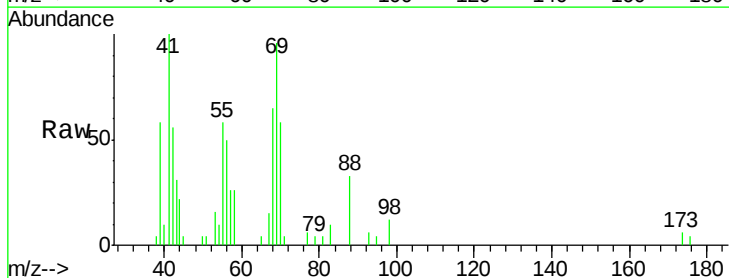
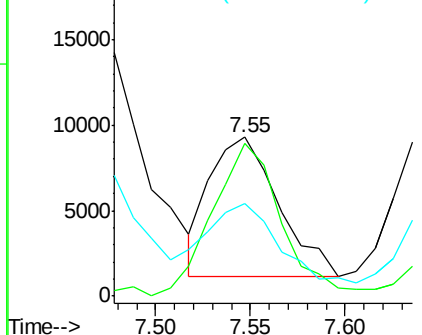
Delta R.T. 0.04 min

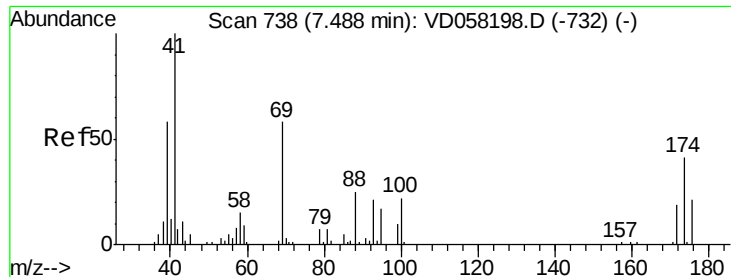
Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Tgt Ion:	41	Resp:	20346
Ion	Ratio	Lower	Upper
41	100		
69	95.8	50.7	76.1#
39	58.1	52.6	78.8

Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





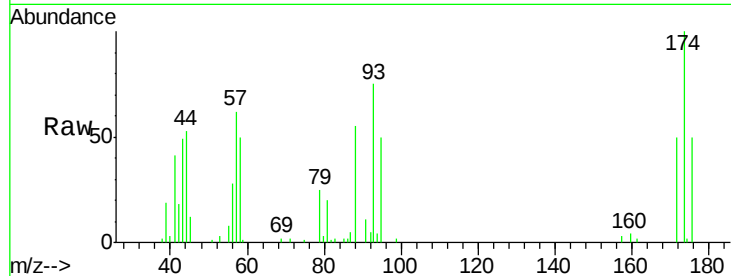
#49
 1,4-Dioxane
 Concen: 2173.17 ug/l
 RT: 7.49 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

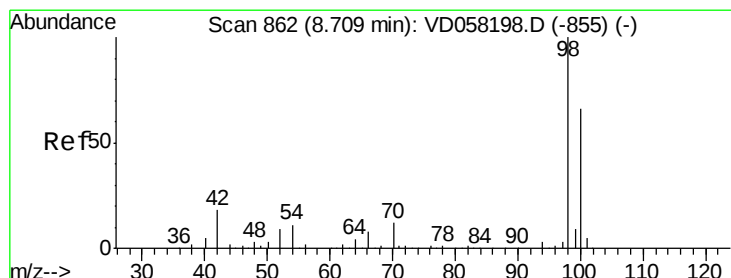
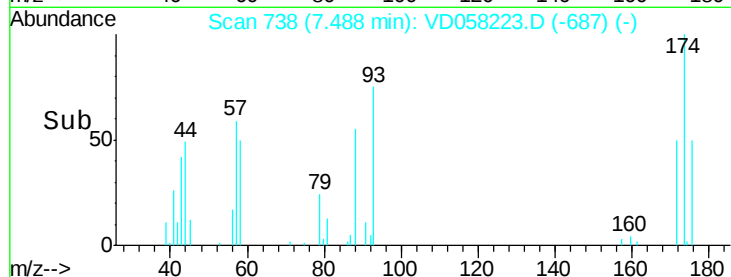
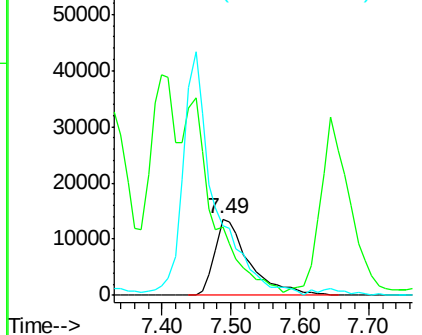
Tot Ion	Ratio	Resp	Lower	Upper
88	100	47011		
43	90.1	34.2	51.2#	
58	91.3	47.9	71.9#	

Manual Integrations
 APPROVED

apatel
 6/21/2018 11:30:35 AM

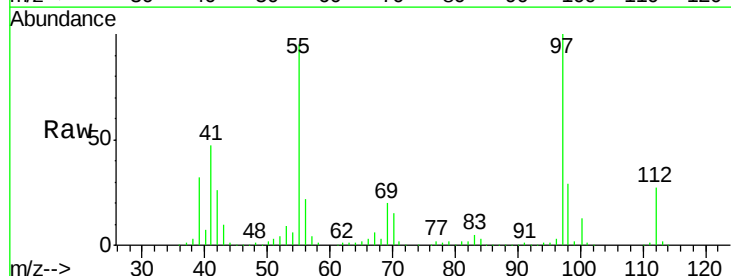


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

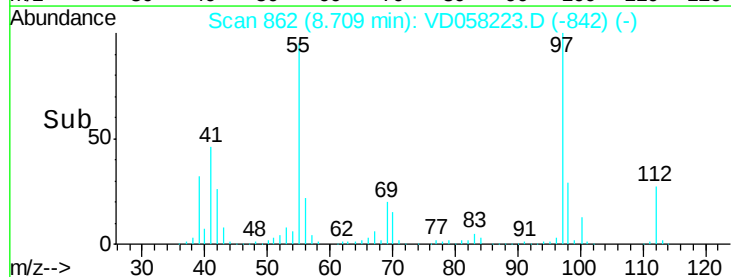
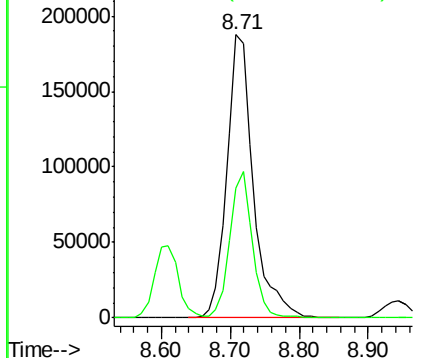


#50
 Toluene-d8
 Concen: 2173.17 ug/l
 RT: 8.71 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	500000		
100	45.7	53.6	80.4#	



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: 504.67 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 43 Resp: 1297980

Ion Ratio Lower Upper

43 100

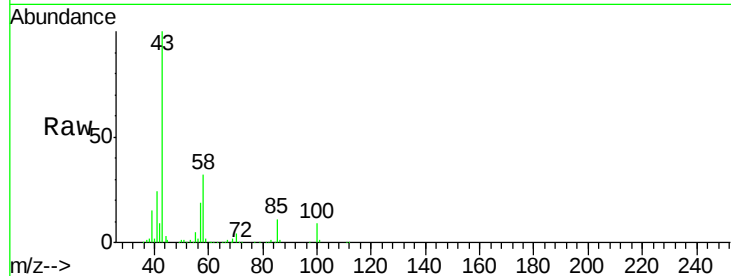
58 32.3 26.7 40.1

Manual Integrations

APPROVED

apatel

6/21/2018 11:30:35 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

600000

500000

400000

300000

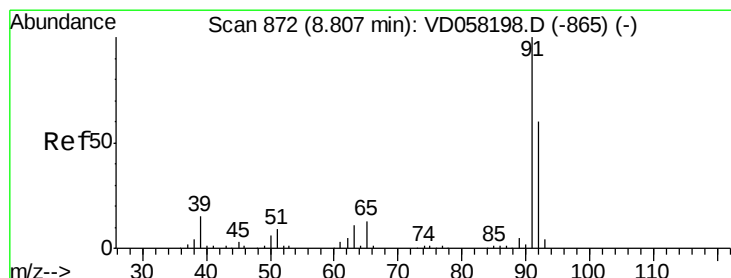
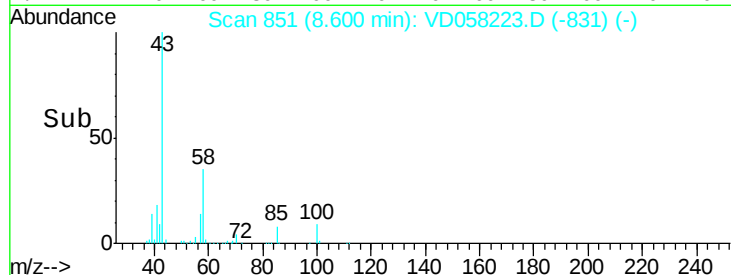
200000

100000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 110.05 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD058223.D

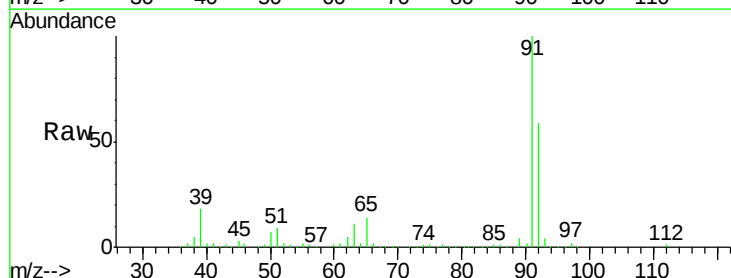
Acq: 20 Jun 2018 21:29

Tgt Ion: 92 Resp: 774869

Ion Ratio Lower Upper

92 100

91 168.9 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

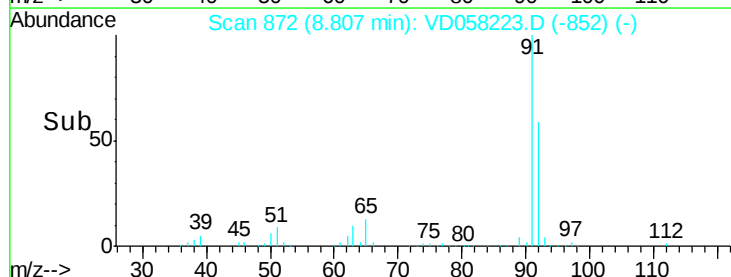
400000

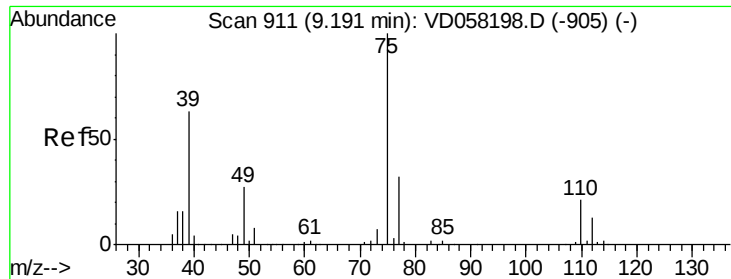
200000

0

8.70 8.80 8.90 9.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.35 ug/l

RT: 9.19 min Scan# 911

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 75 Resp: 78221

Ion Ratio Lower Upper

75 100

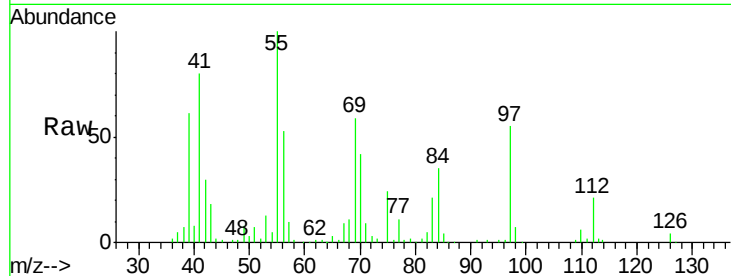
77 47.0 25.8 38.8#

Manual Integrations

APPROVED

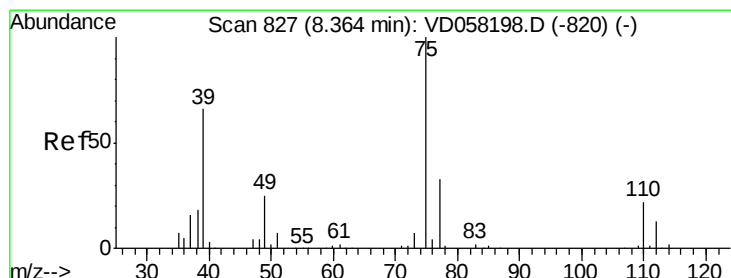
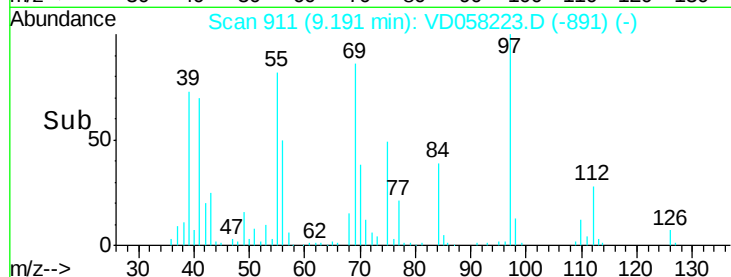
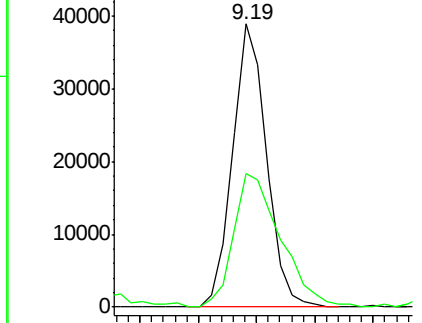
apatel

6/21/2018 11:30:35 AM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.38 ug/l

RT: 8.36 min Scan# 827

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

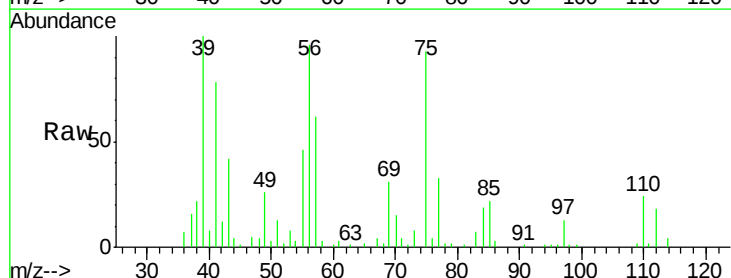
Tgt Ion: 75 Resp: 102387

Ion Ratio Lower Upper

75 100

77 35.3 26.5 39.7

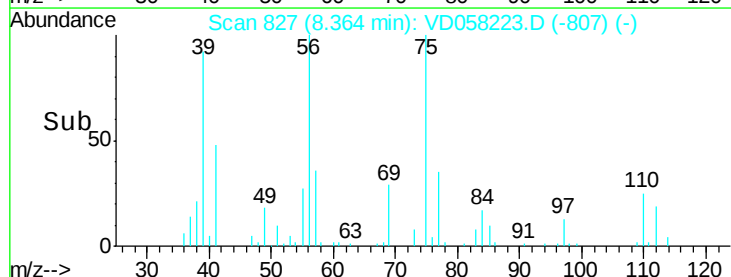
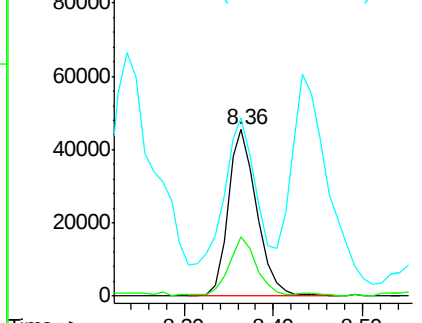
39 107.3 52.9 79.3#

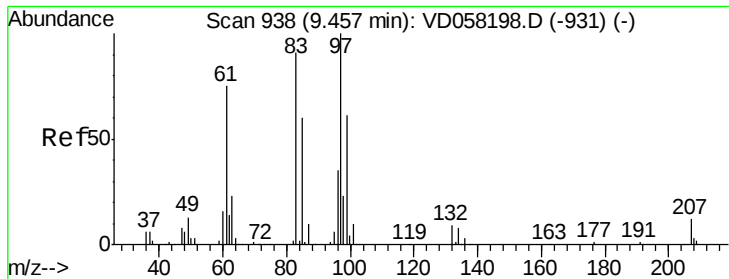


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 14.73 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

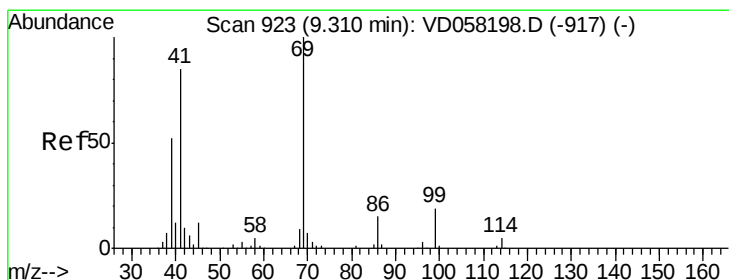
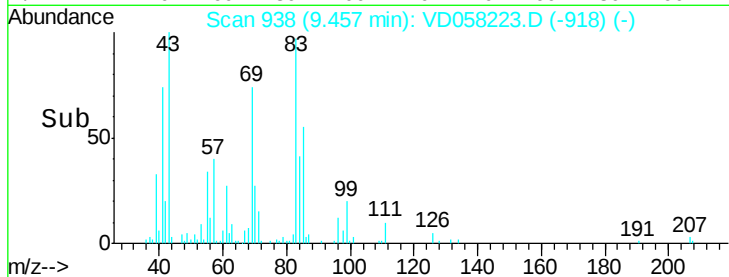
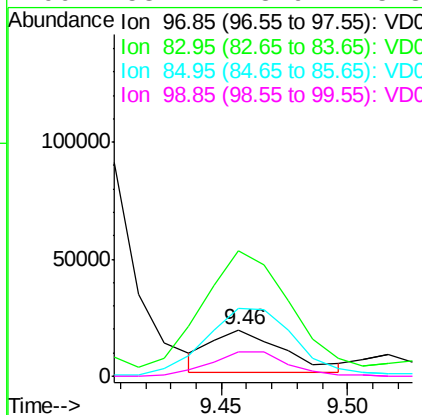
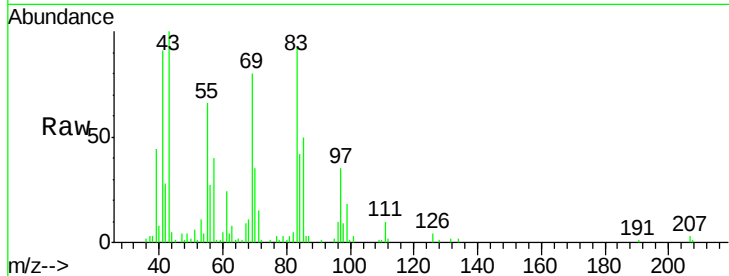
ClientSampleId :

AREA1(S)MSD

Tot Ion:	97	Resp:	36696
Ion	Ratio	Lower	Upper
97	100		
83	270.2	72.9	109.3#
85	145.9	48.2	72.4#
99	53.2	48.9	73.3

Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



#56

Ethyl methacrylate

Concen: 92.75 ug/l

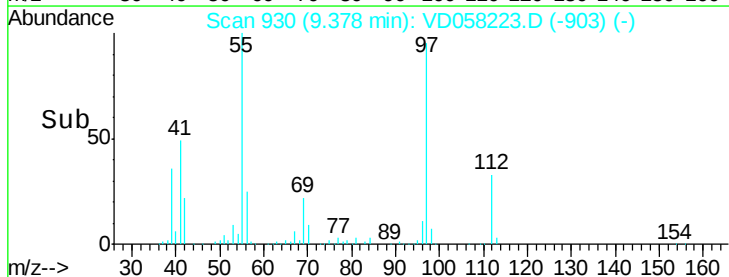
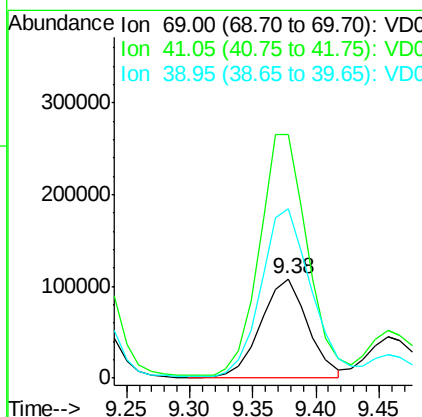
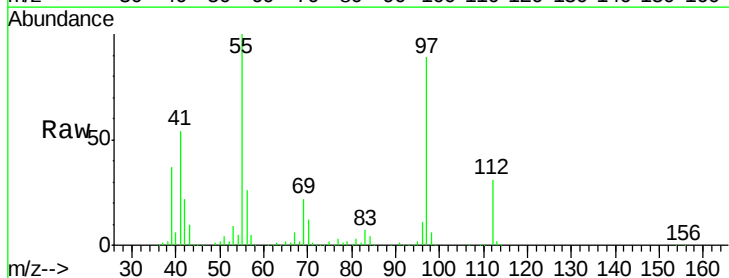
RT: 9.38 min Scan# 930

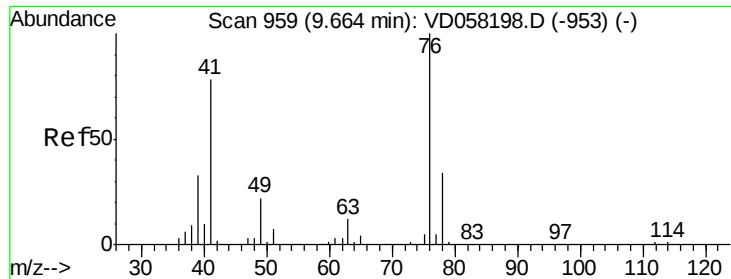
Delta R.T. 0.07 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Tgt Ion:	69	Resp:	276321
Ion	Ratio	Lower	Upper
69	100		
41	245.5	67.6	101.4#
39	171.0	42.2	63.2#





#57

1,3-Dichloropropane

Concen: 61.03 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 76 Resp: 256097

Ion Ratio Lower Upper

76 100

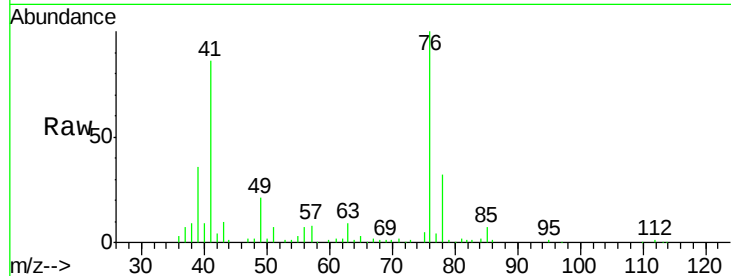
78 32.4 27.0 40.6

Manual Integrations

APPROVED

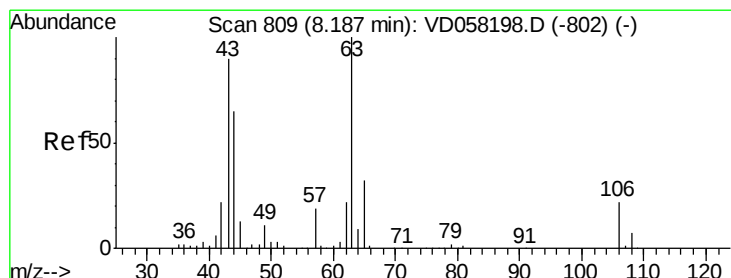
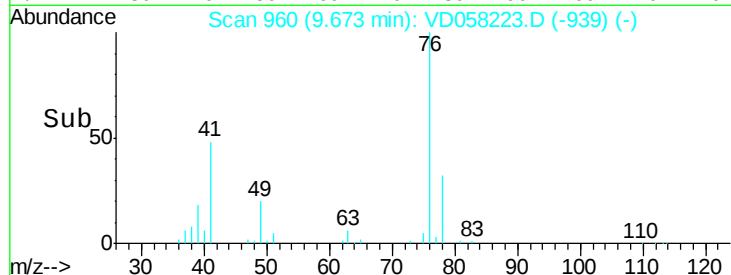
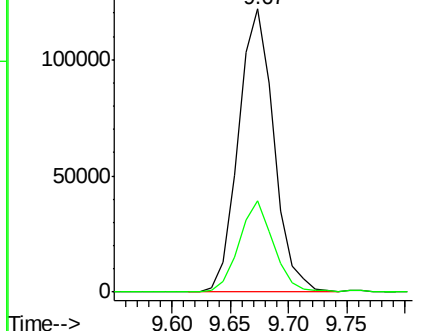
apatel

6/21/2018 11:30:35 AM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 342.09 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058223.D

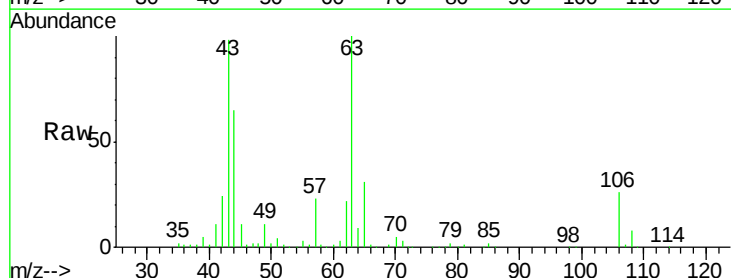
Acq: 20 Jun 2018 21:29

Tgt Ion: 63 Resp: 504540

Ion Ratio Lower Upper

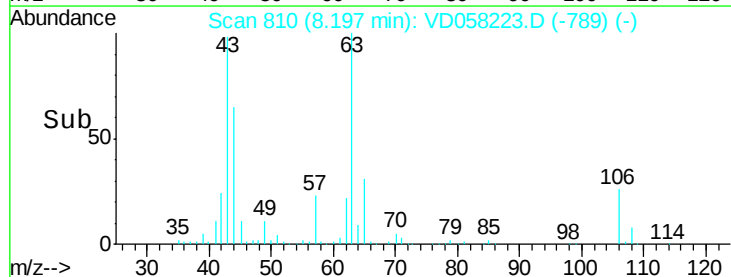
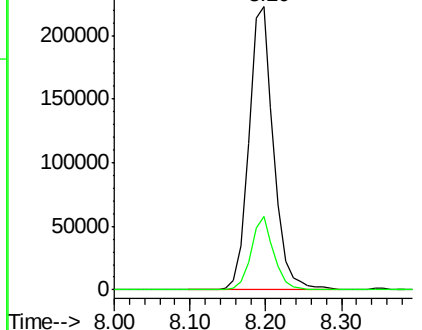
63 100

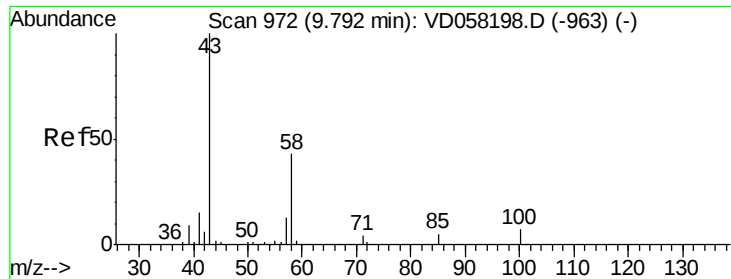
106 26.1 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 447.22 ug/l

RT: 9.79 min Scan# 972

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 43 Resp: 831124

Ion Ratio Lower Upper

43 100

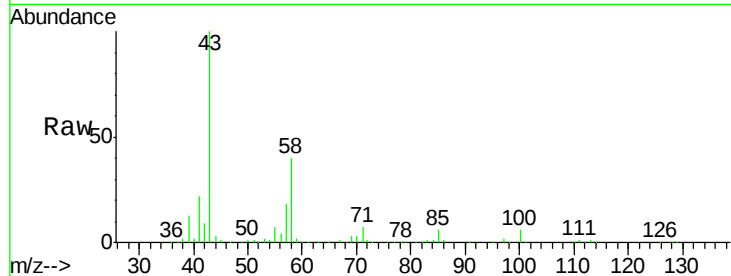
58 40.2 21.7 65.1

Manual Integrations

APPROVED

apatel

6/21/2018 11:30:35 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.79

400000

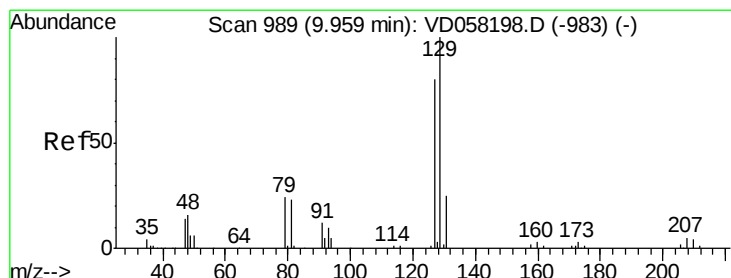
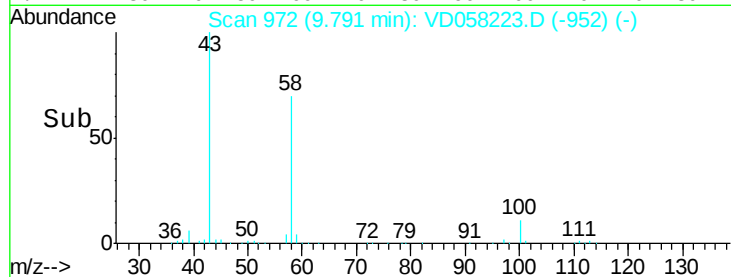
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 35.59 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD058223.D

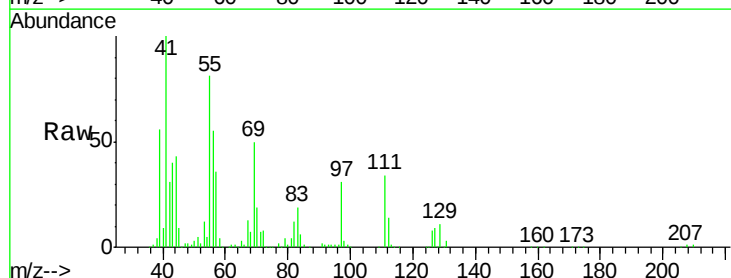
Acq: 20 Jun 2018 21:29

Tgt Ion:129 Resp: 120317

Ion Ratio Lower Upper

129 100

127 83.8 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.97

60000

50000

40000

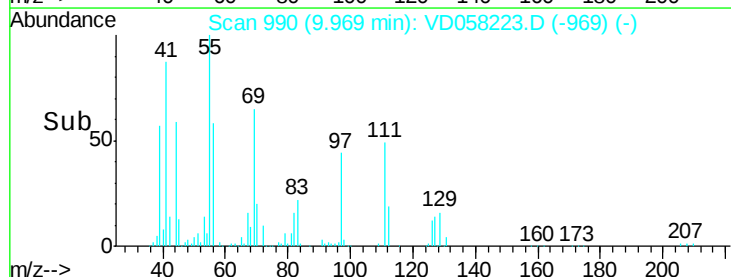
30000

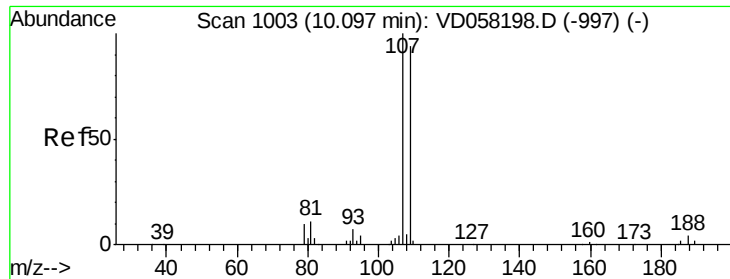
20000

10000

0

Time-->





#61

1,2-Dibromoethane

Concen: 42.80 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 107 Resp: 116694

Ion Ratio Lower Upper

107 100

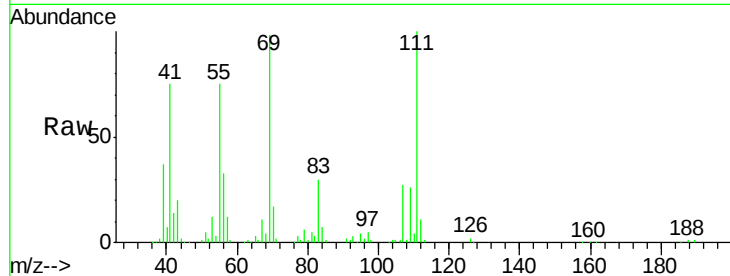
109 94.9 74.8 112.2

Manual Integrations

APPROVED

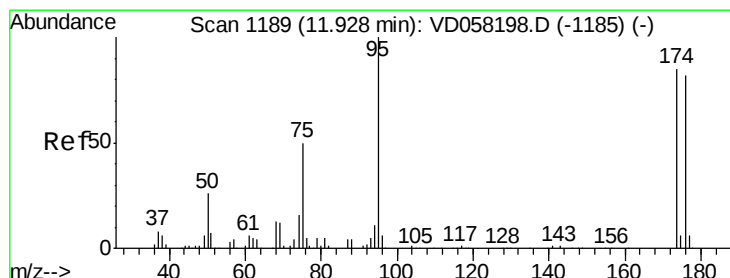
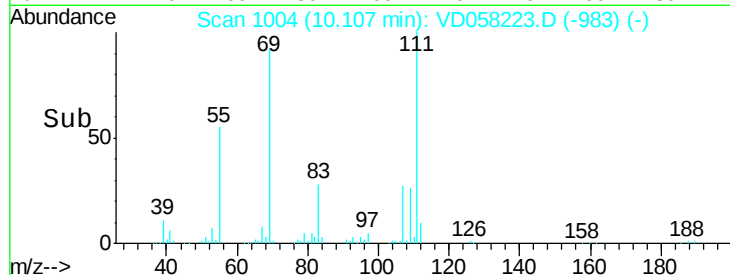
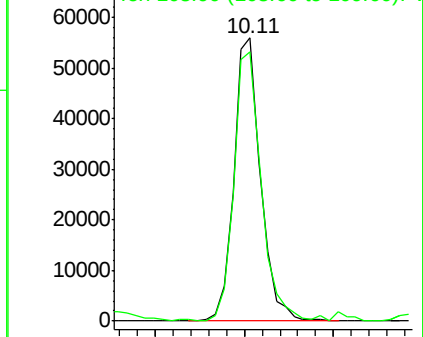
apatel

6/21/2018 11:30:35 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 42.80 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

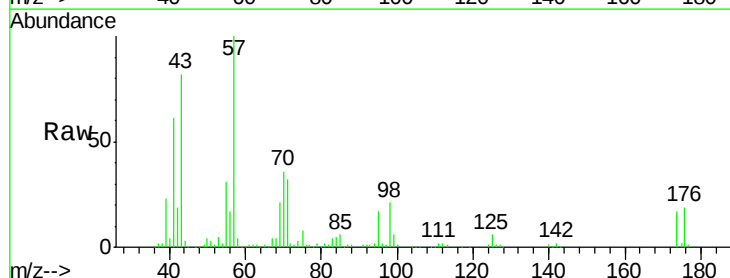
Tgt Ion: 95 Resp: 104009

Ion Ratio Lower Upper

95 100

174 98.6 0.0 170.2

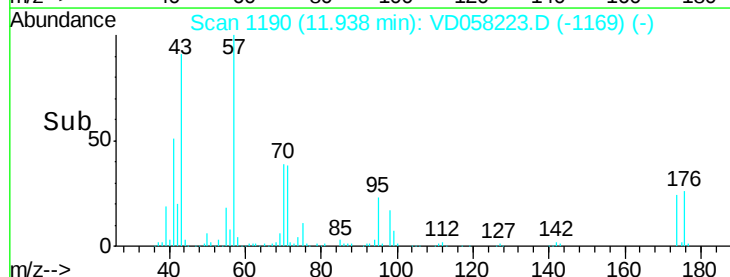
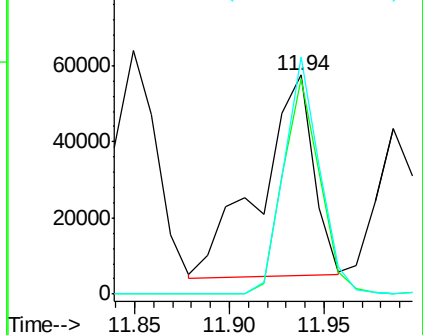
176 108.1 0.0 164.6

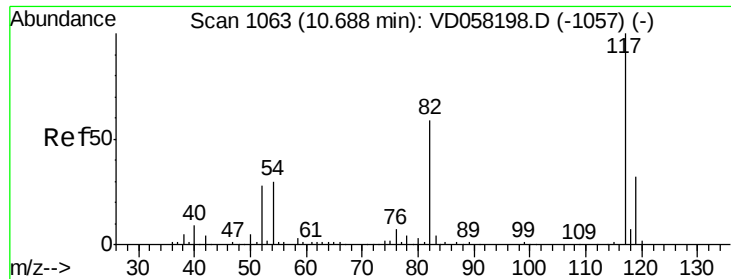


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





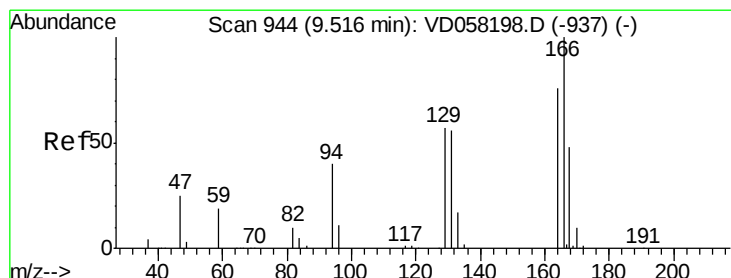
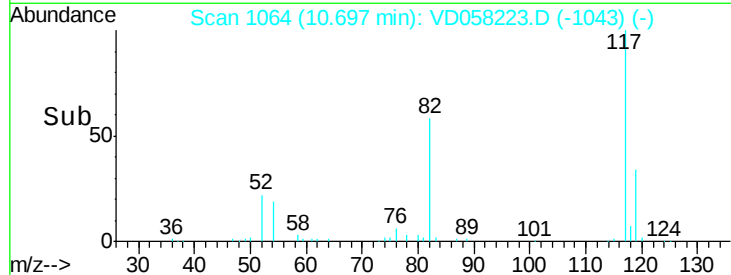
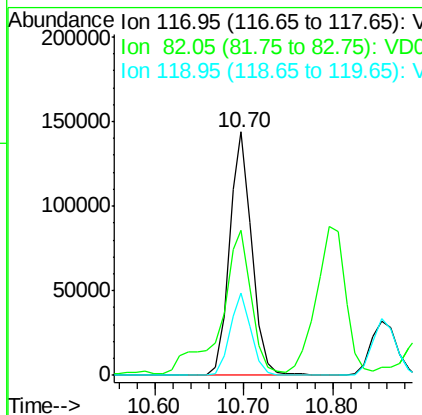
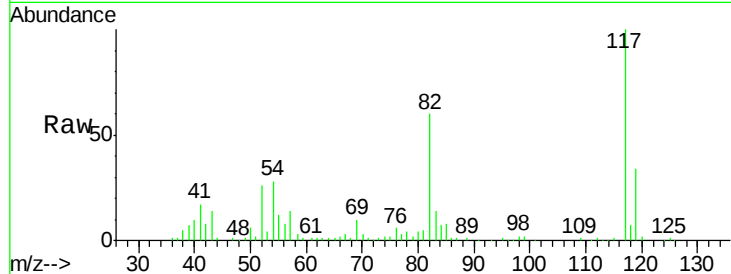
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	251772		
82	59.7	47.0	70.6	
119	34.0	25.3	37.9	

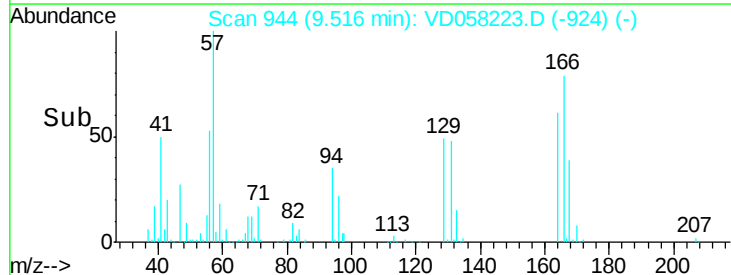
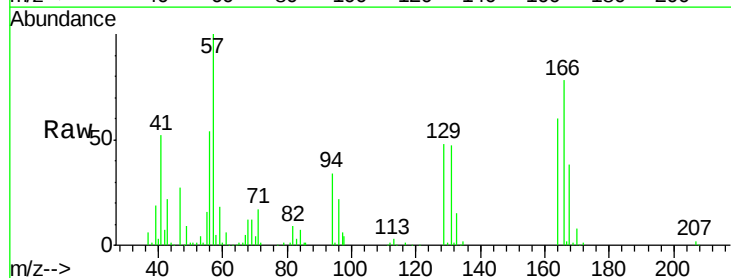
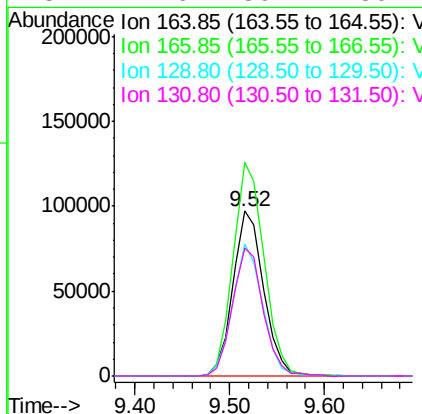
Manual Integrations
APPROVED

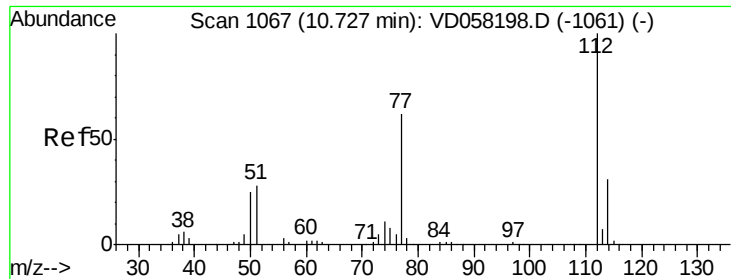
apatel
6/21/2018 11:30:35 AM



#64
Tetrachloroethene
Concen: 102.92 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	218033		
166	129.4	105.4	158.0	
129	79.5	59.6	89.4	
131	77.6	59.4	89.2	





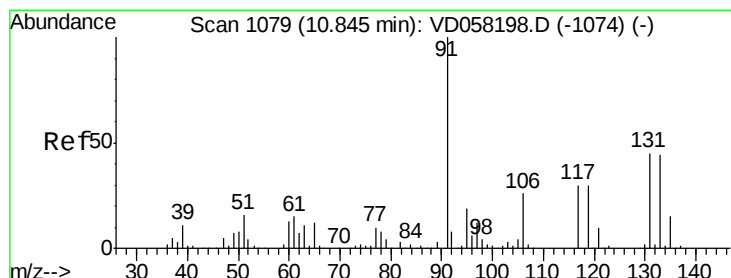
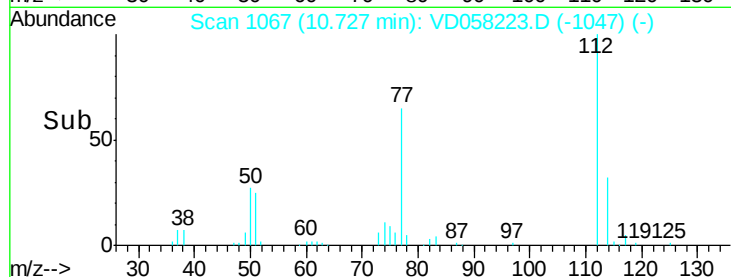
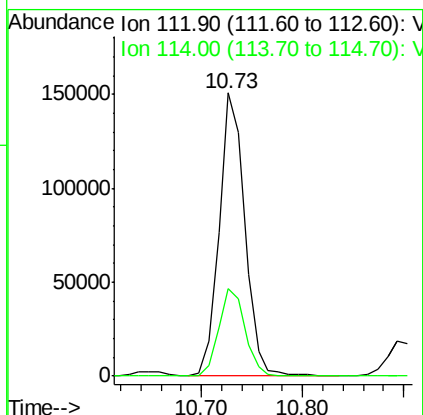
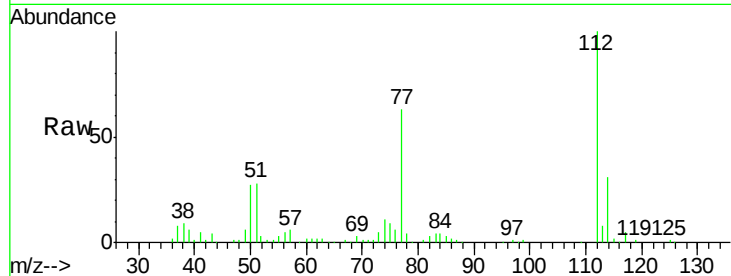
#65
Chlorobenzene
Concen: 57.02 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion:112 Resp: 268529
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.4

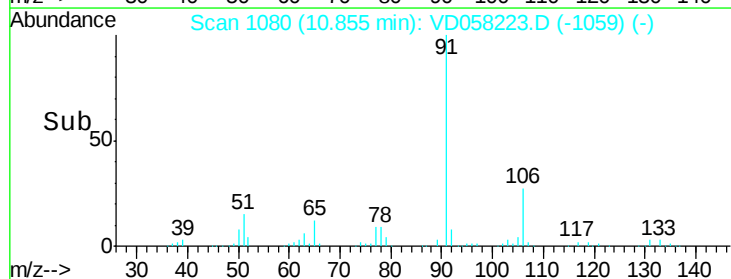
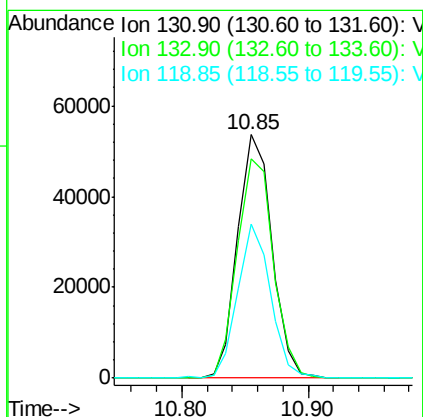
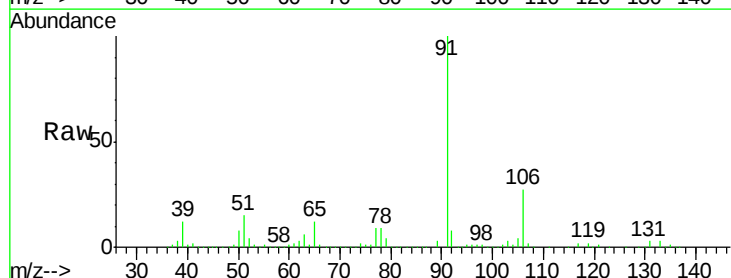
Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.78 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion:131 Resp: 101384
Ion Ratio Lower Upper
131 100
133 90.3 48.6 145.9
119 63.1 33.0 99.0





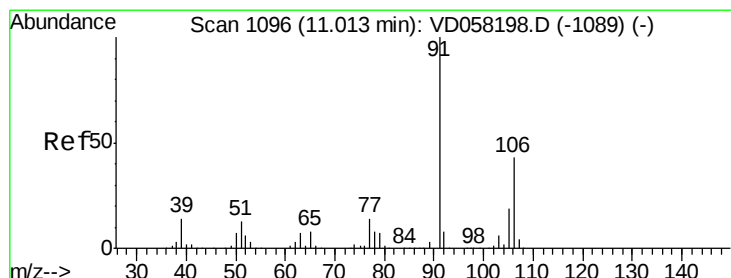
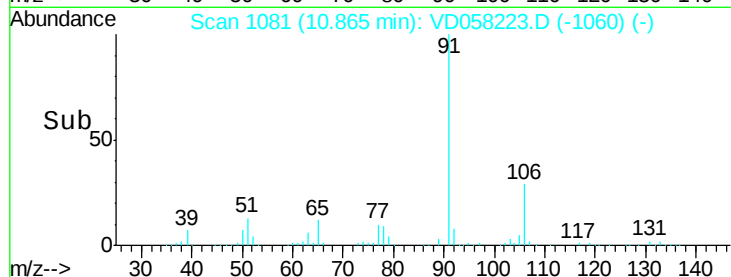
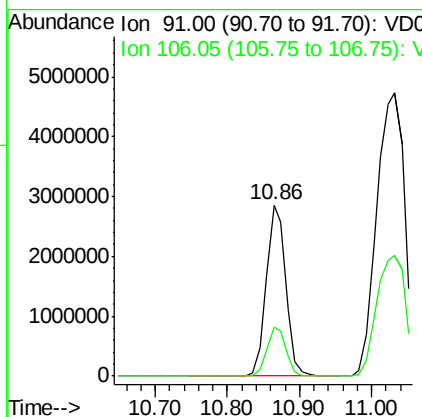
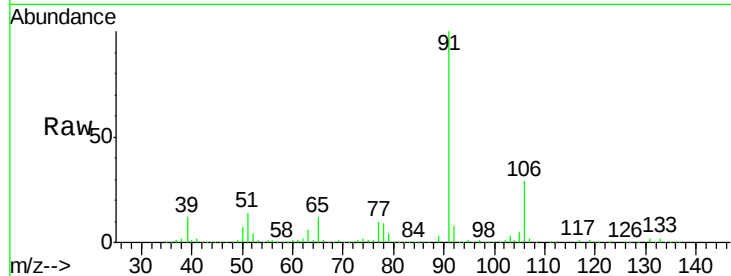
#67
Ethyl Benzene
Concen: 650.34 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion: 91 Resp: 5407148
Ion Ratio Lower Upper
91 100
106 28.6 22.0 33.0

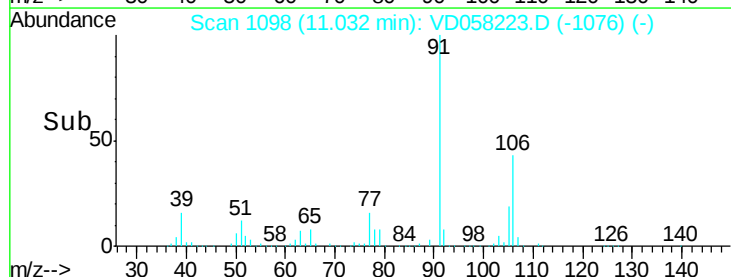
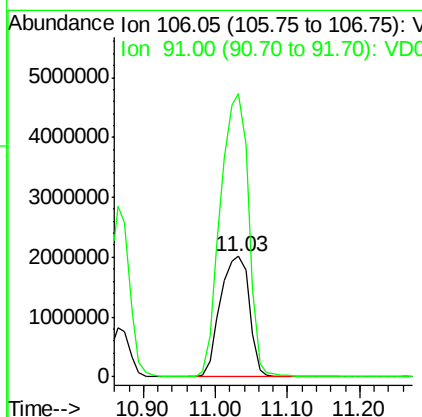
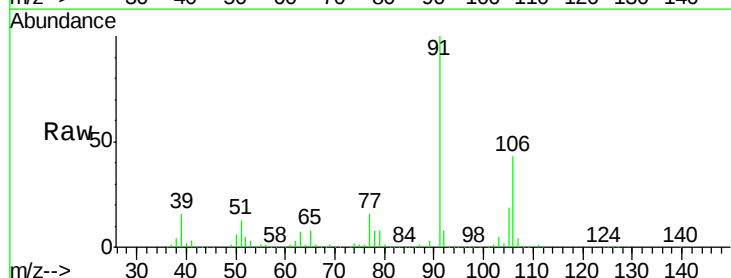
Manual Integrations
APPROVED

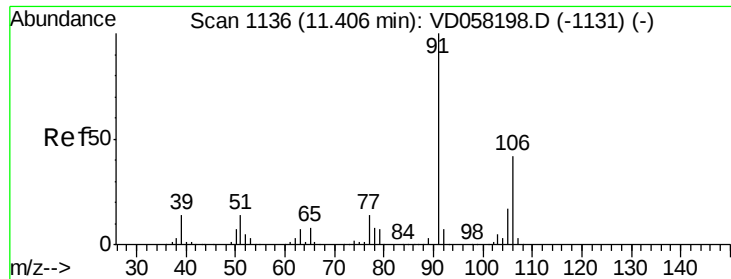
apatel
6/21/2018 11:30:35 AM



#68
m/p-Xylenes
Concen: 2024.07 ug/l
RT: 11.03 min Scan# 1098
Delta R.T. 0.02 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion: 106 Resp: 5612089
Ion Ratio Lower Upper
106 100
91 234.9 185.0 277.6





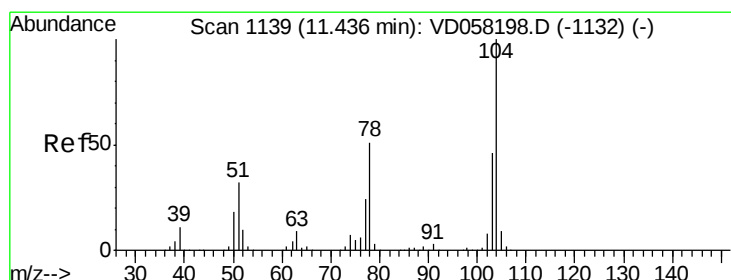
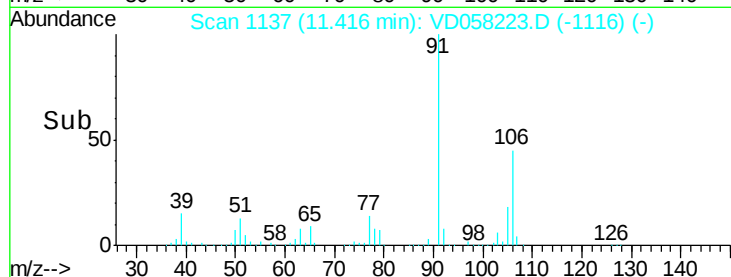
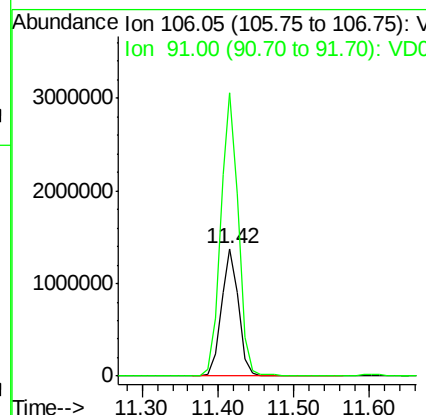
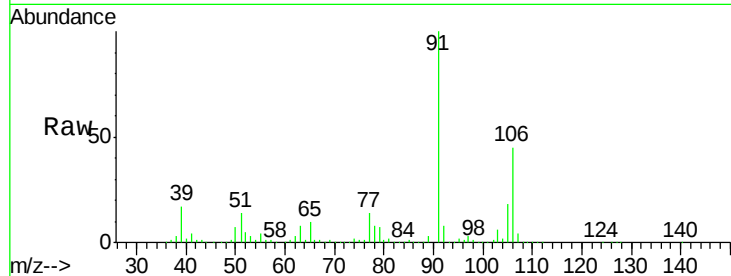
#69
o-Xylene
Concen: 821.61 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion:106 Resp: 2175777
Ion Ratio Lower Upper
106 100
91 222.4 120.2 360.6

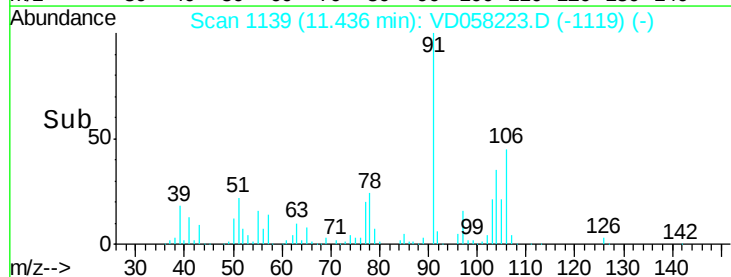
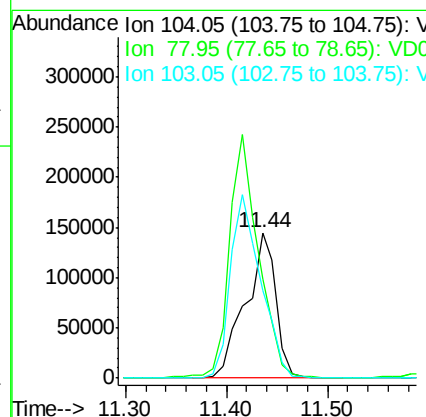
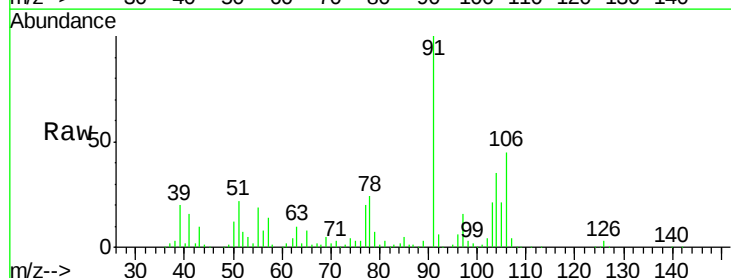
Manual Integrations
APPROVED

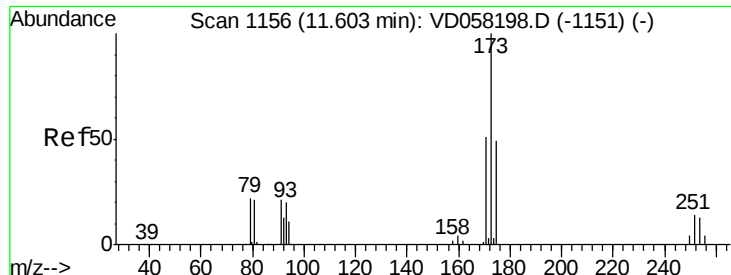
apatel
6/21/2018 11:30:35 AM



#70
Styrene
Concen: 67.09 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion:104 Resp: 303169
Ion Ratio Lower Upper
104 100
78 68.3 40.8 61.2#
103 59.7 37.0 55.6#





#71

Bromoform

Concen: 62.07 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

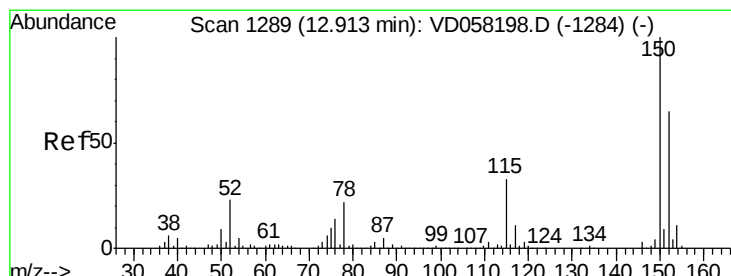
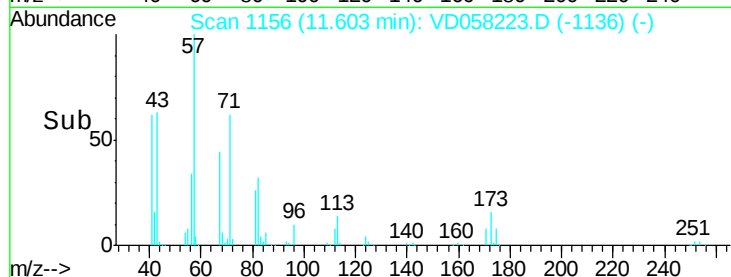
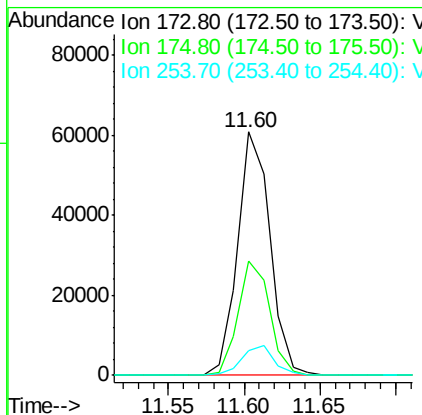
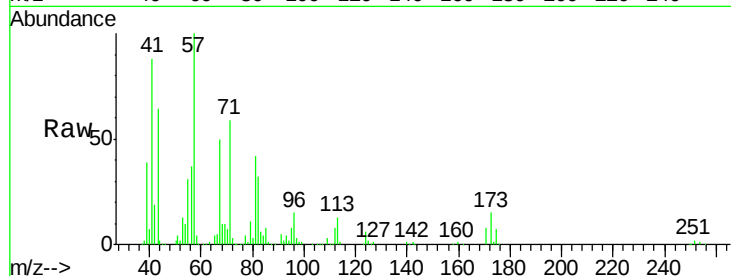
ClientSampleId :

AREA1(S)MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.6	74.0
254	10.1	10.3	15.5#

Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

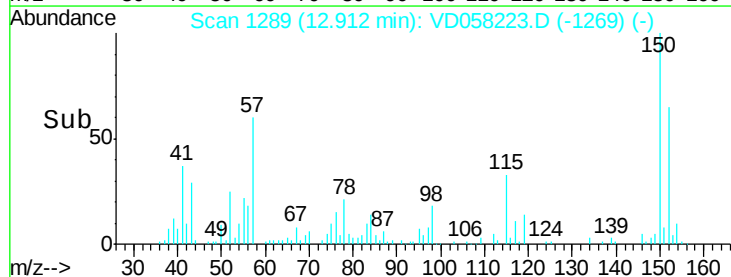
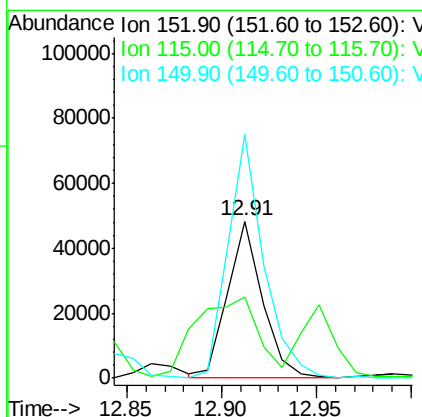
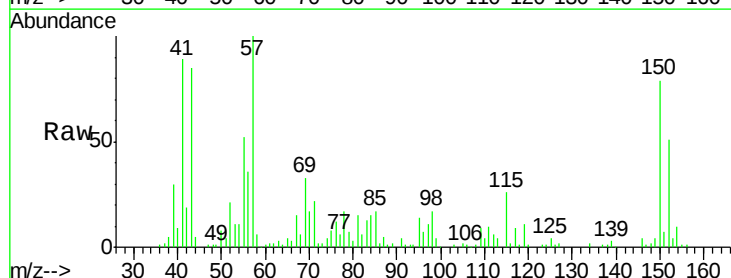
RT: 12.91 min Scan# 1289

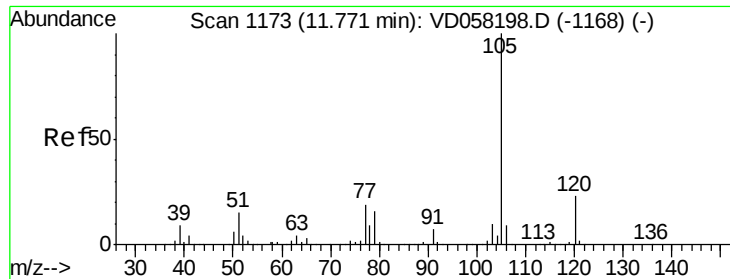
Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.3	25.1	75.3
150	155.0	0.0	308.8





#73

Isopropylbenzene

Concen: 160.43 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion:105 Resp: 590628

Ion Ratio Lower Upper

105 100

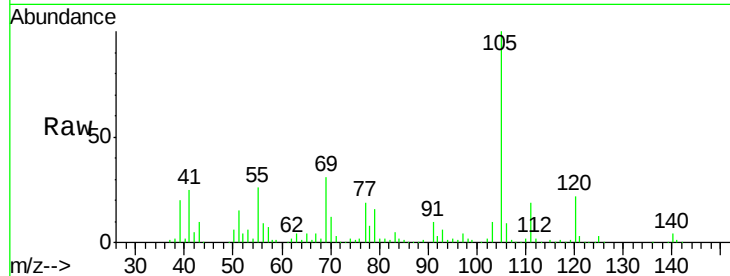
120 22.0 11.6 34.8

Manual Integrations

APPROVED

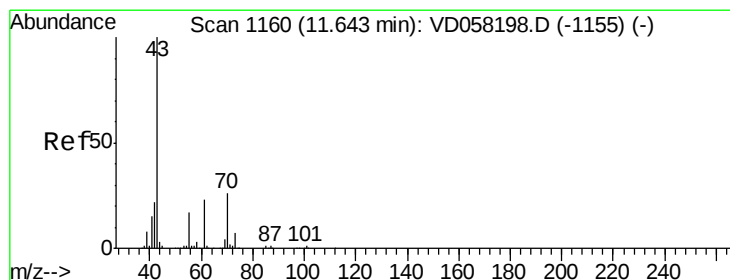
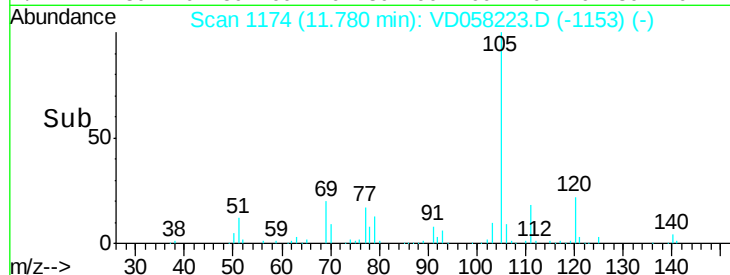
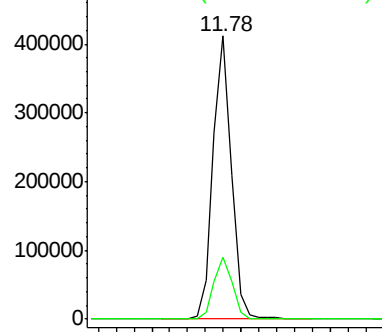
apatel

6/21/2018 11:30:35 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 257.03 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.04 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Tgt Ion: 43 Resp: 365868

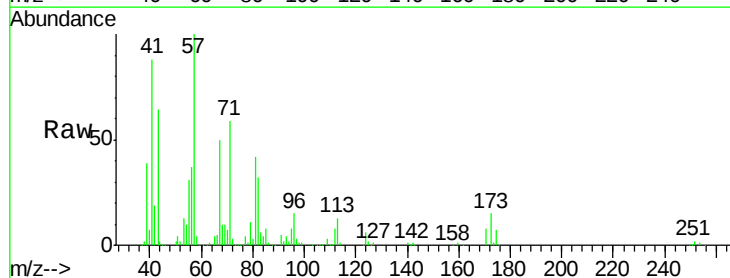
Ion Ratio Lower Upper

43 100

70 11.2 20.9 31.3#

55 48.2 13.5 20.3#

61 0.2 18.2 27.2#

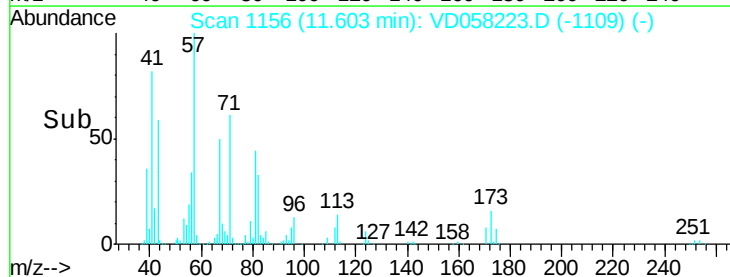
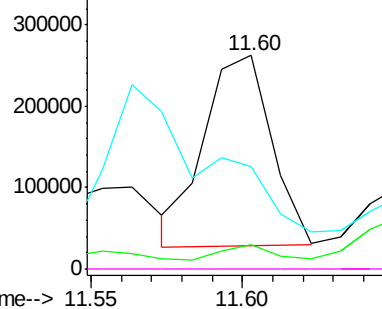


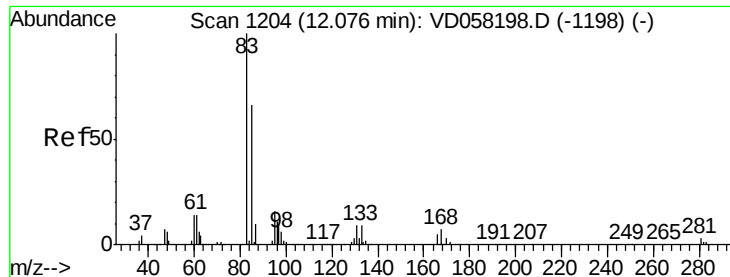
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 139.84 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 83 Resp: 119805

Ion Ratio Lower Upper

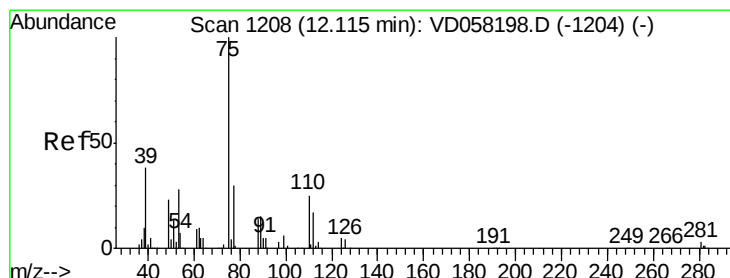
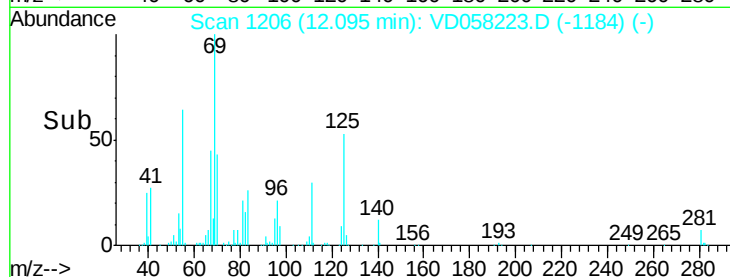
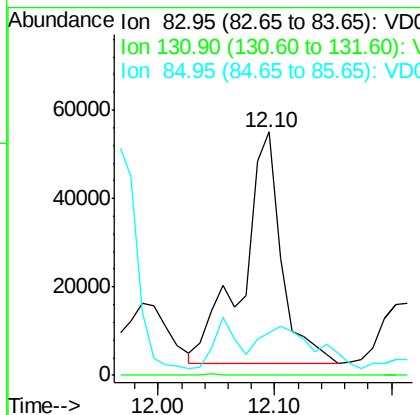
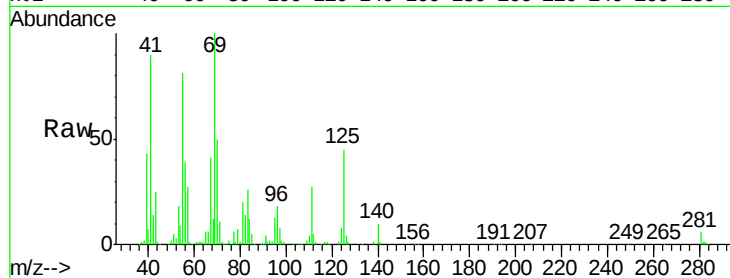
83 100

131 0.0 4.8 14.3#

85 17.6 33.1 99.5#

Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



#76

1,2,3-Trichloropropane

Concen: 125.40 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058223.D

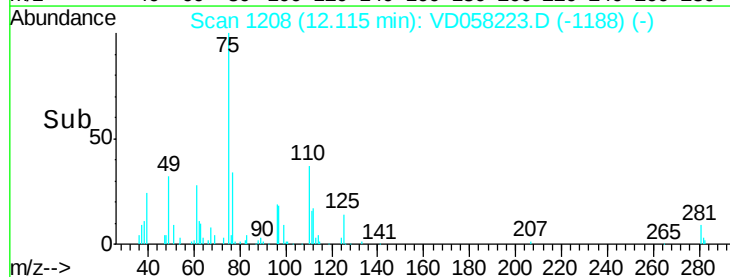
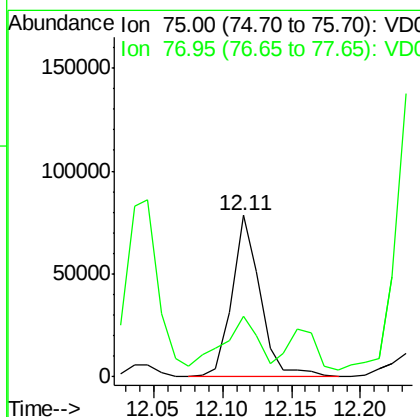
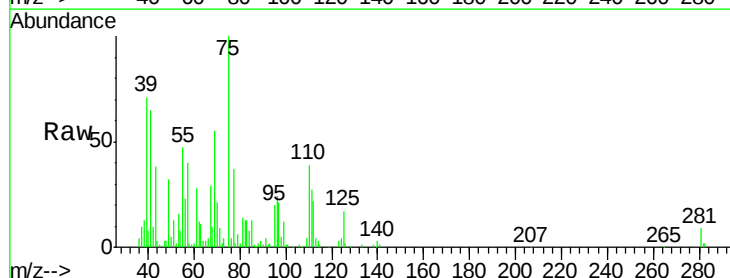
Acq: 20 Jun 2018 21:29

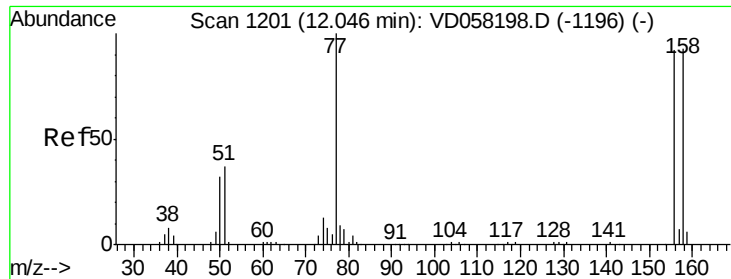
Tgt Ion: 75 Resp: 112686

Ion Ratio Lower Upper

75 100

77 37.4 16.0 47.9





#77

Bromobenzene

Concen: 85.21 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

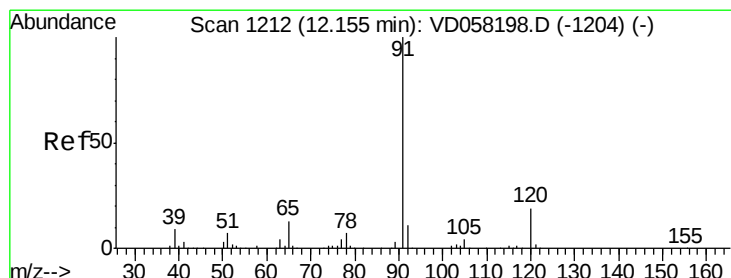
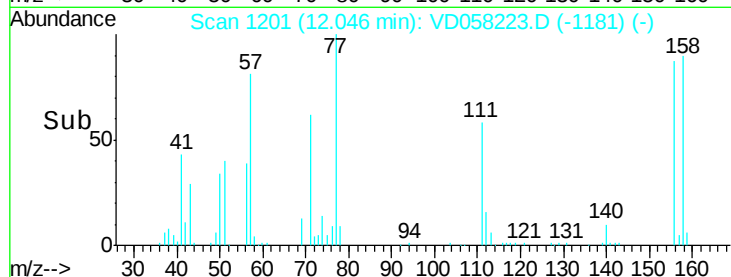
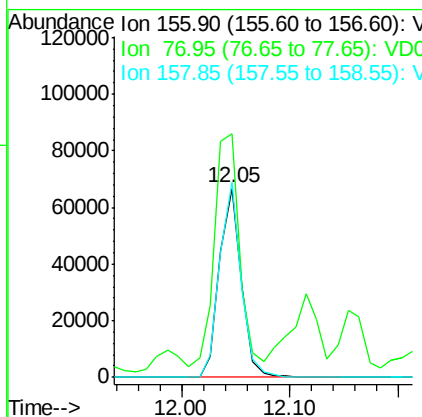
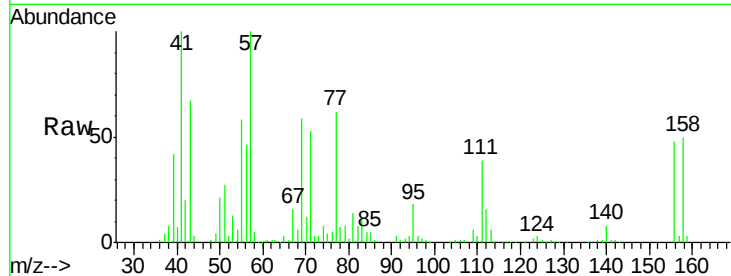
ClientSampleId :

AREA1(S)MSD

Tot Ion:	156	Resp:	93931
Ion	Ratio	Lower	Upper
156	100		
77	128.9	54.5	163.6
158	103.2	50.8	152.5

Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



#78

n-propylbenzene

Concen: 172.58 ug/l

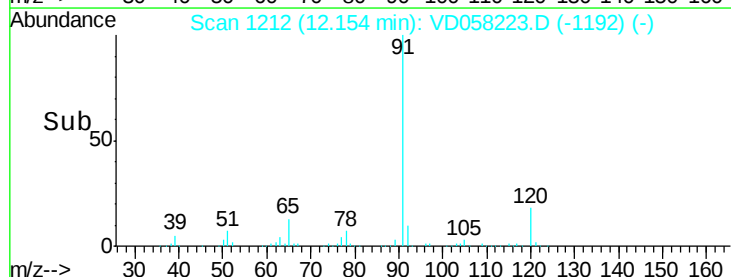
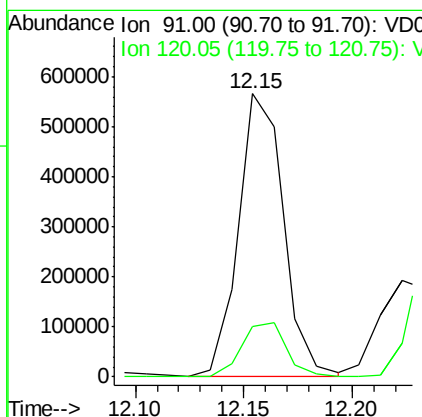
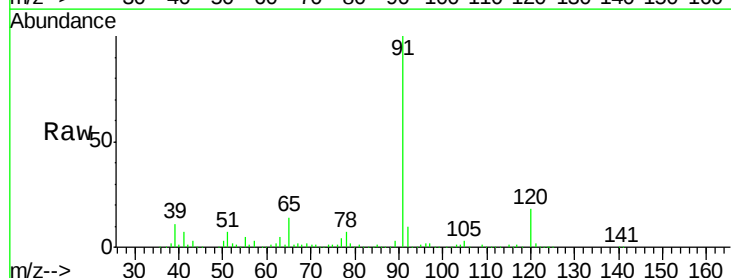
RT: 12.15 min Scan# 1212

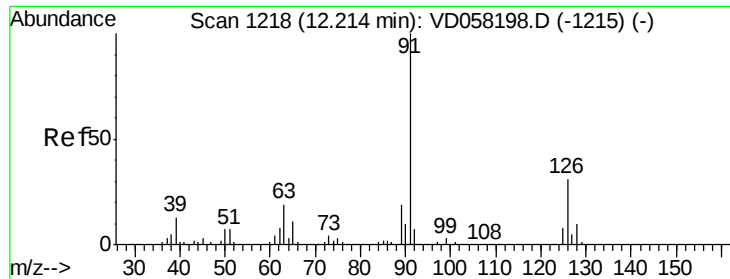
Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Tgt Ion:	91	Resp:	820497
Ion	Ratio	Lower	Upper
91	100		
120	18.0	9.7	29.1





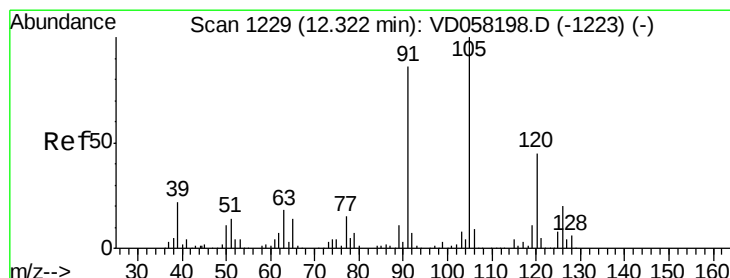
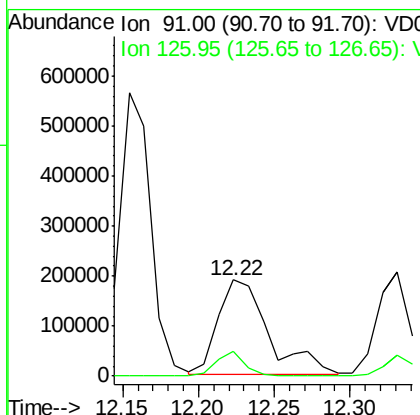
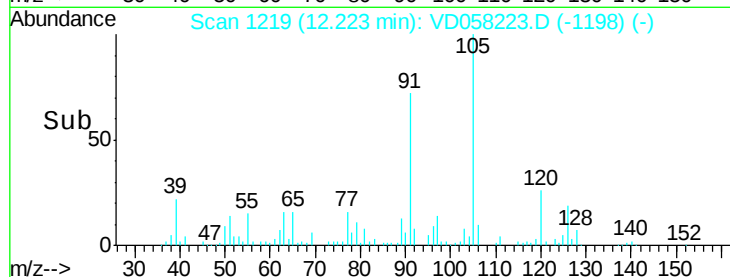
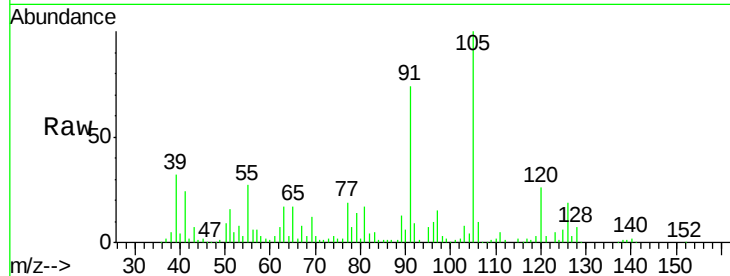
#79
 2-Chlorotoluene
 Concen: 162.89 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

Tot Ion: 91 Resp: 443161
 Ion Ratio Lower Upper
 91 100
 126 25.9 14.9 44.5

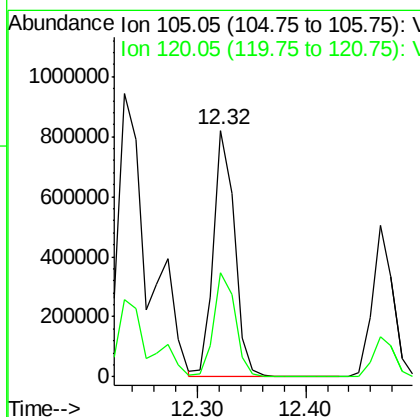
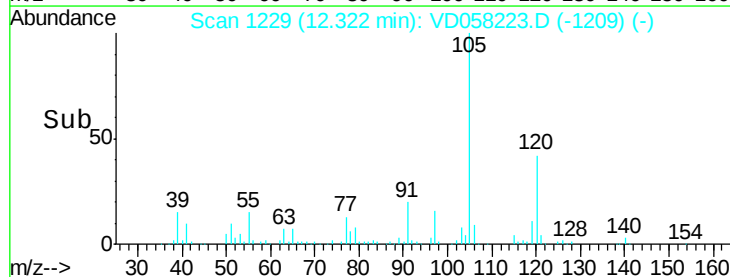
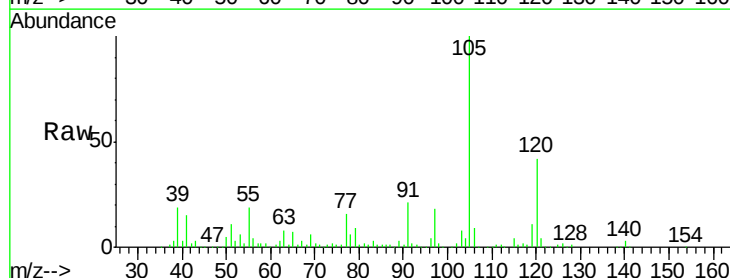
Manual Integrations
 APPROVED

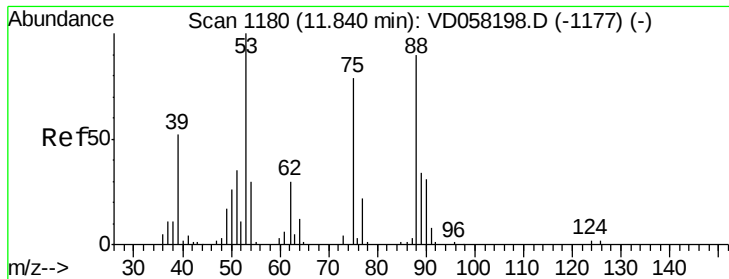
apatel
 6/21/2018 11:30:35 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 385.72 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion: 105 Resp: 1107562
 Ion Ratio Lower Upper
 105 100
 120 42.3 22.5 67.5





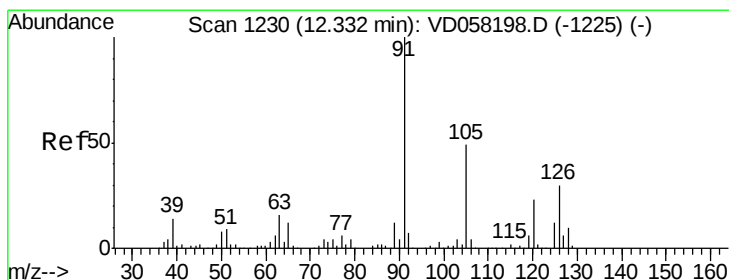
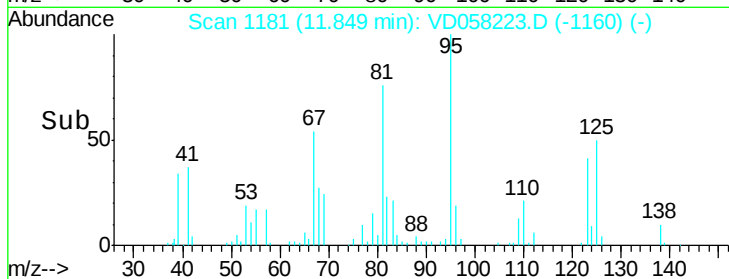
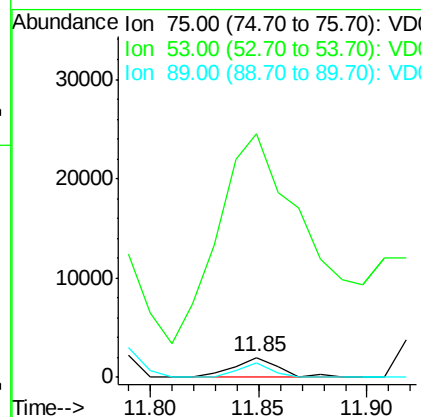
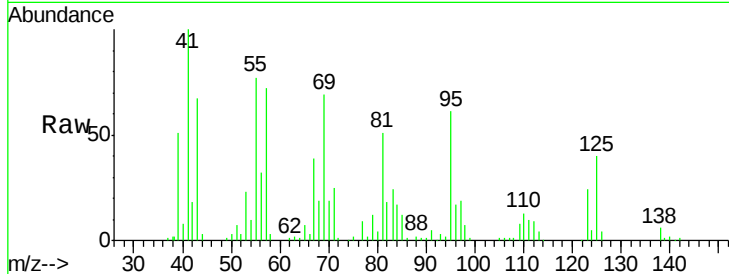
#81
trans-1,4-Dichloro-2-butene
Concen: 13.16 ug/l
RT: 11.85 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion: 75 Resp: 2885
Ion Ratio Lower Upper
75 100
53 1207.5 100.8 151.2
89 71.9 34.6 52.0#

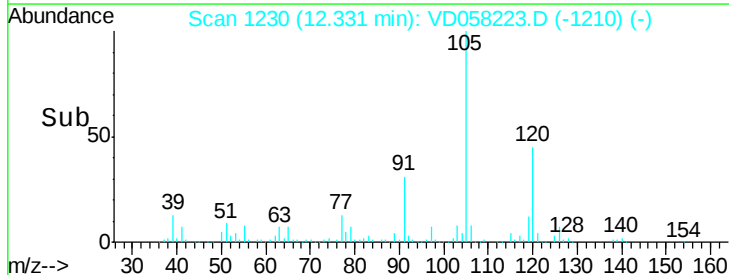
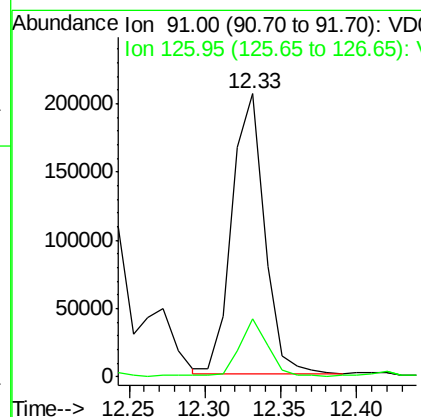
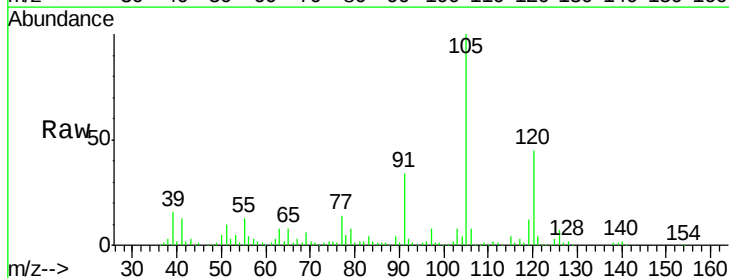
Manual Integrations
APPROVED

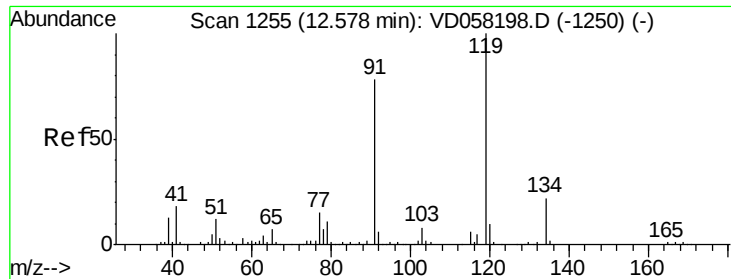
apatel
6/21/2018 11:30:35 AM



#82
4-Chlorotoluene
Concen: 122.37 ug/l
RT: 12.33 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion: 91 Resp: 303578
Ion Ratio Lower Upper
91 100
126 20.5 14.9 44.9





#83

tert-Butylbenzene

Concen: 56.64 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion:119 Resp: 186973

Ion Ratio Lower Upper

119 100

91 85.9 38.9 116.6

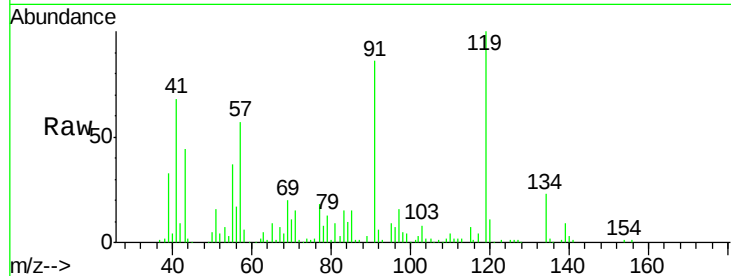
134 22.7 11.2 33.5

Manual Integrations

APPROVED

apatel

6/21/2018 11:30:35 AM

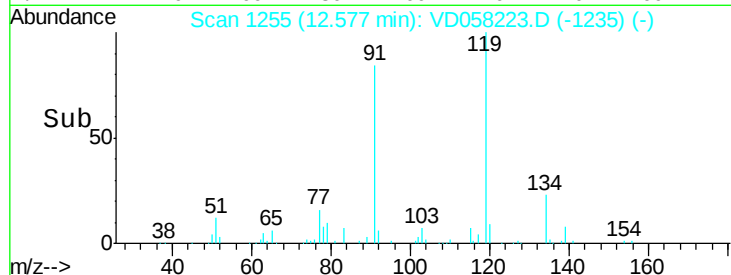


Abundance Ion 119.05 (118.75 to 119.75): V

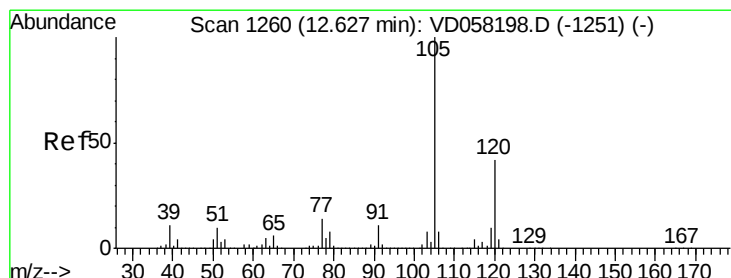
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

Time-->



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 654.57 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD058223.D

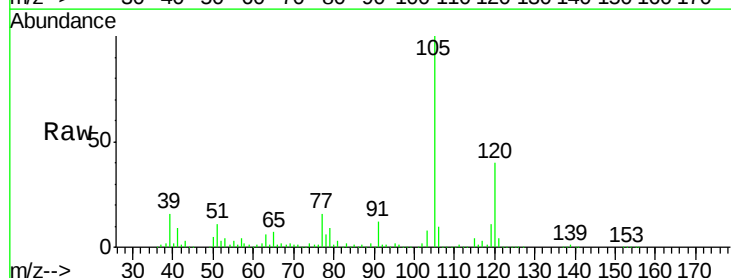
Acq: 20 Jun 2018 21:29

Tgt Ion:105 Resp: 2043086

Ion Ratio Lower Upper

105 100

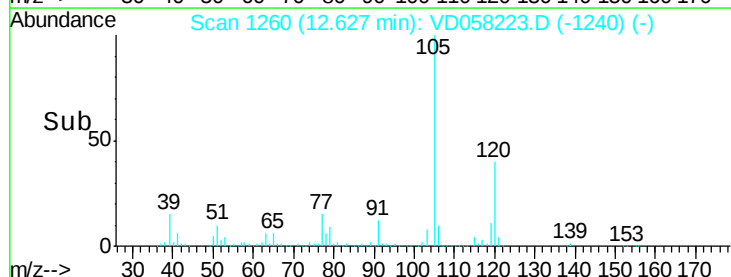
120 39.8 20.8 62.4



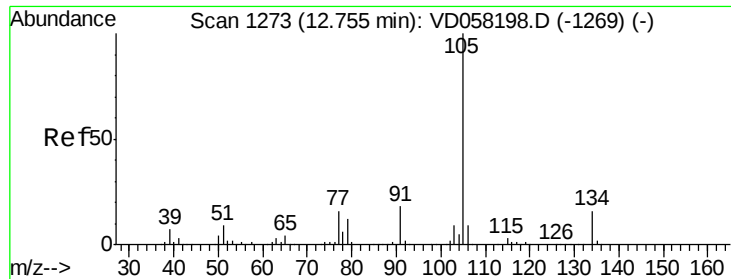
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

Time-->



Time-->



#85

sec-Butylbenzene

Concen: 104.66 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion:105 Resp: 404988

Ion Ratio Lower Upper

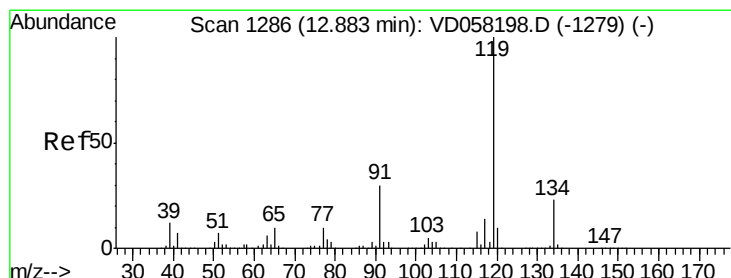
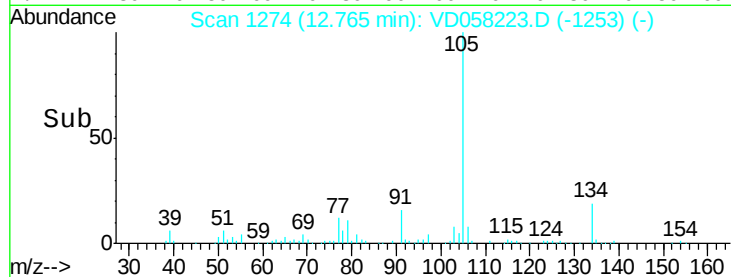
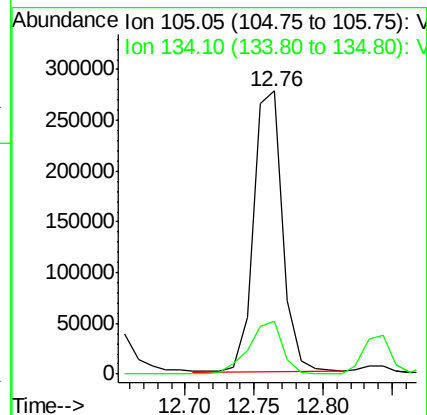
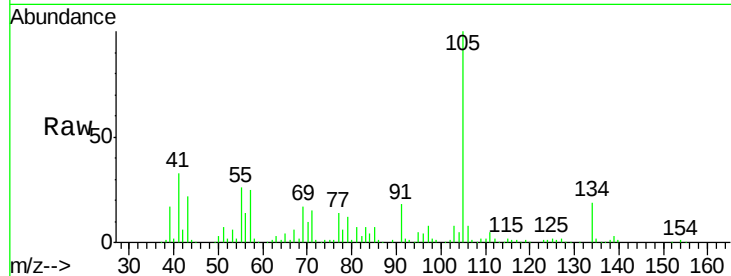
105 100

134 18.8 8.1 24.3

Manual Integrations
APPROVED

apatel

6/21/2018 11:30:35 AM



#86

p-Isopropyltoluene

Concen: 102.33 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

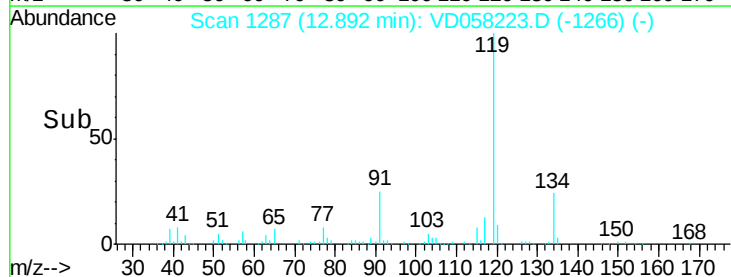
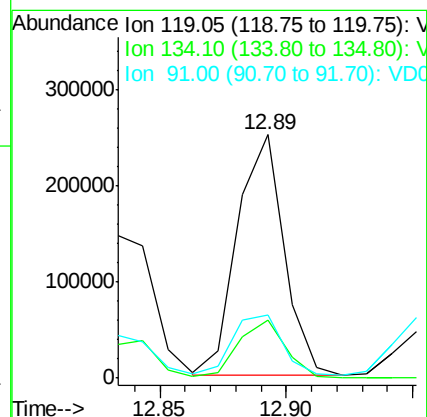
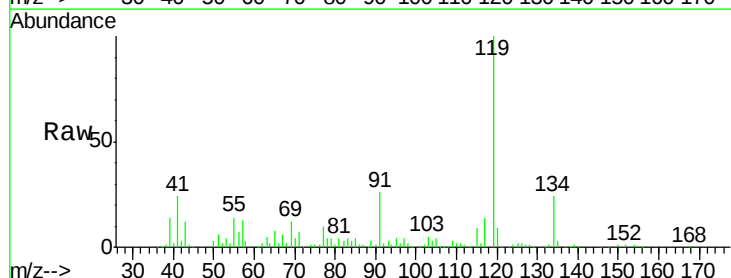
Tgt Ion:119 Resp: 320871

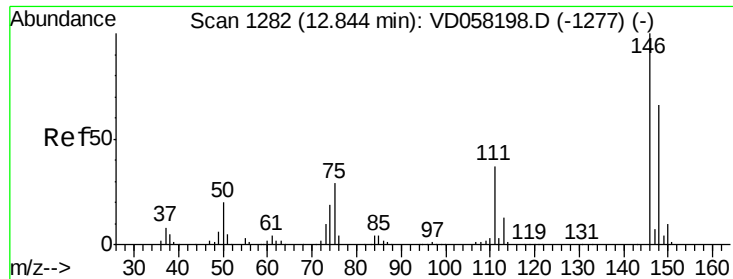
Ion Ratio Lower Upper

119 100

134 24.0 11.6 34.8

91 26.2 15.0 45.1





#87

1,3-Dichlorobenzene

Concen: 53.04 ug/l m

RT: 12.84 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

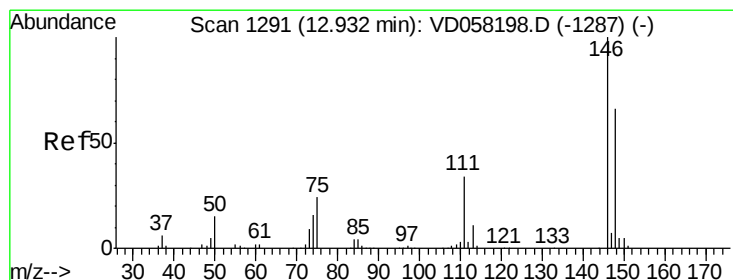
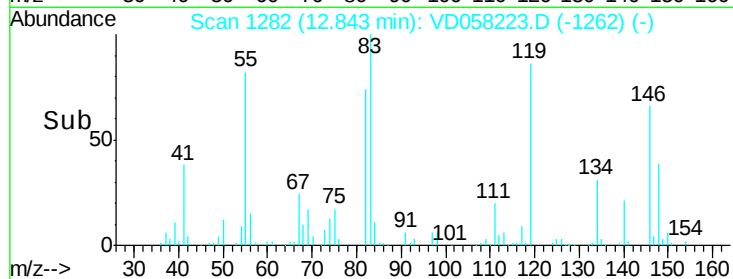
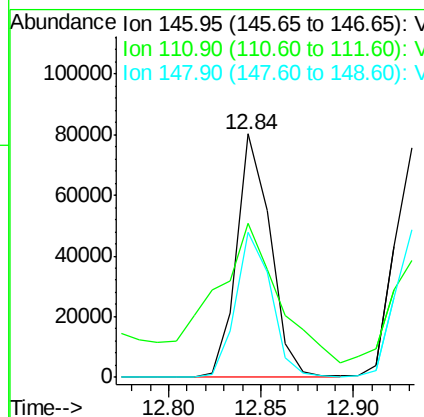
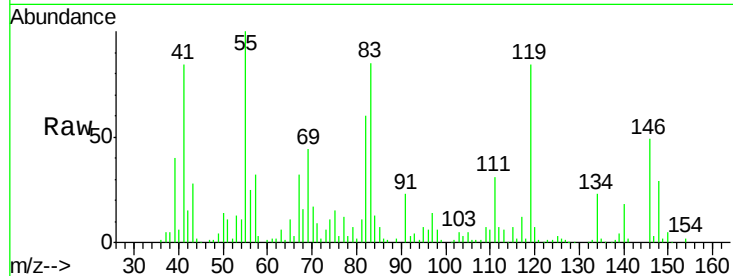
ClientSampleId :

AREA1(S)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	63.4	18.4	55.0#
148	59.8	32.8	98.4

Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



#88

1,4-Dichlorobenzene

Concen: 49.51 ug/l

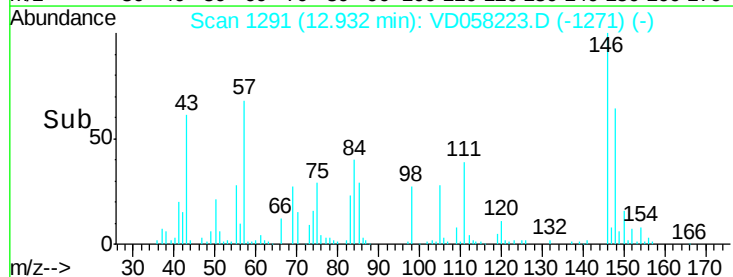
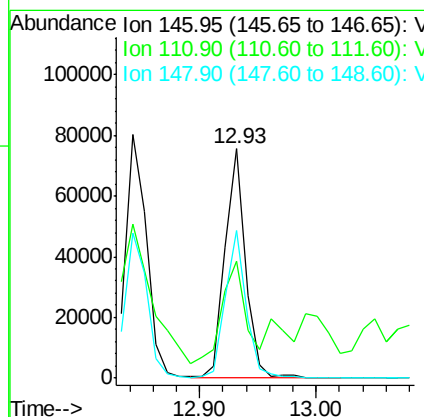
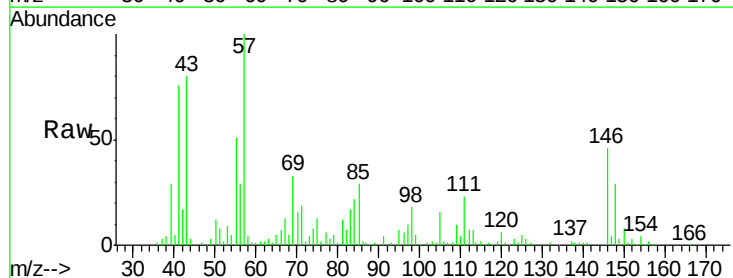
RT: 12.93 min Scan# 1291

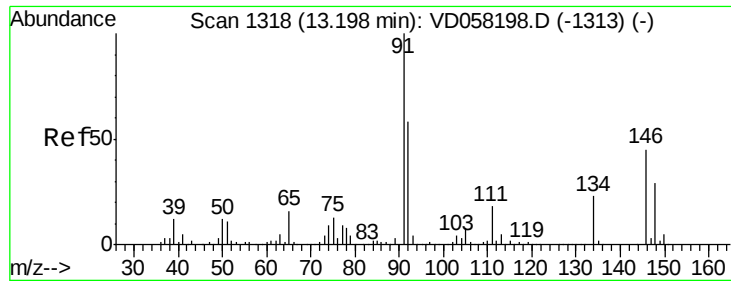
Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.9	17.2	51.5
148	64.3	33.1	99.3





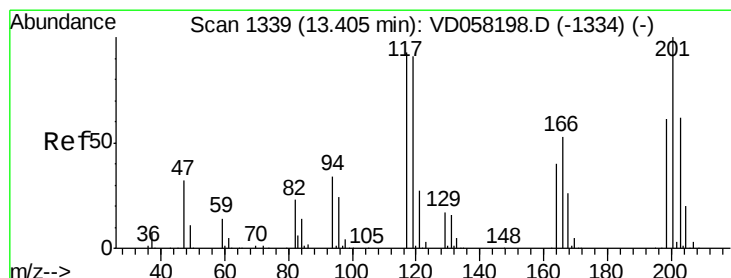
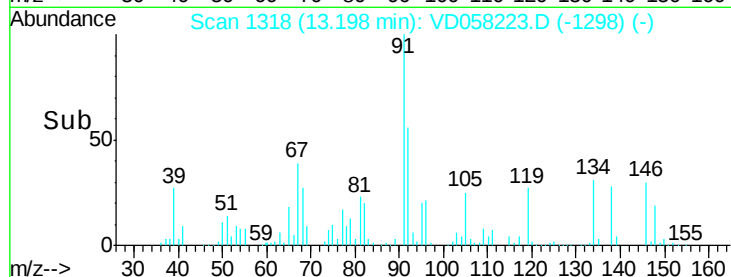
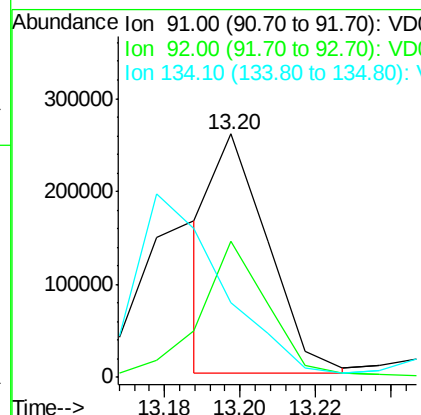
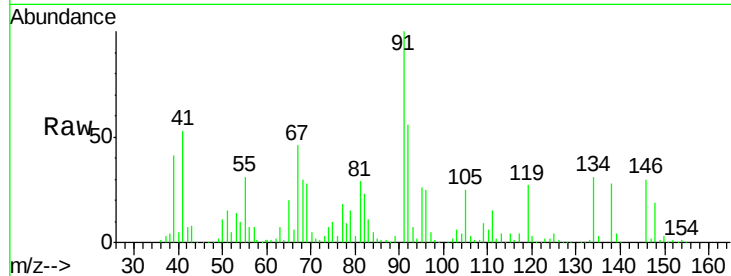
#89
n-Butylbenzene
Concen: 76.87 ug/l m
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.0	29.2	87.6
134	30.7	11.3	33.8

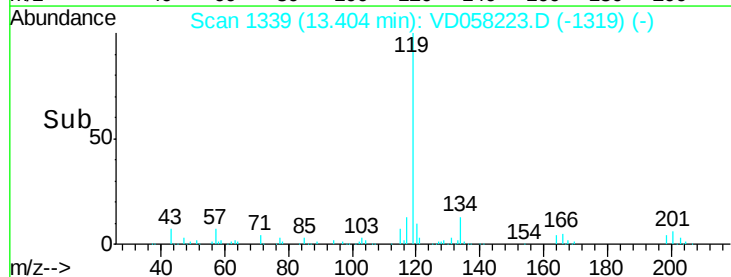
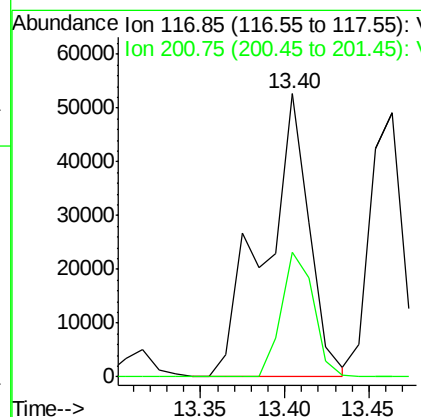
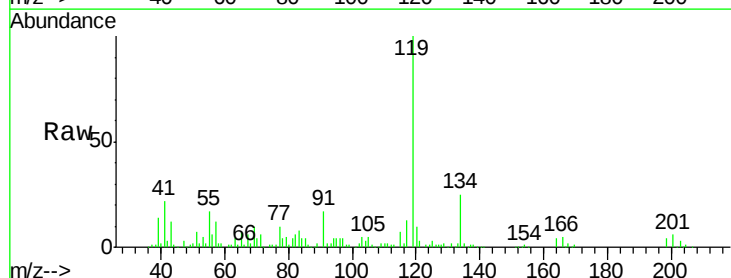
Manual Integrations
APPROVED

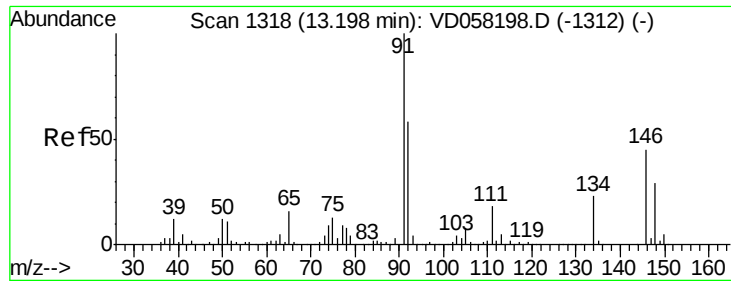
apatel
6/21/2018 11:30:35 AM



#90
Hexachloroethane
Concen: 117.89 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	44.0	53.8	161.4#





#91

1,2-Dichlorobenzene

Concen: 58.85 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

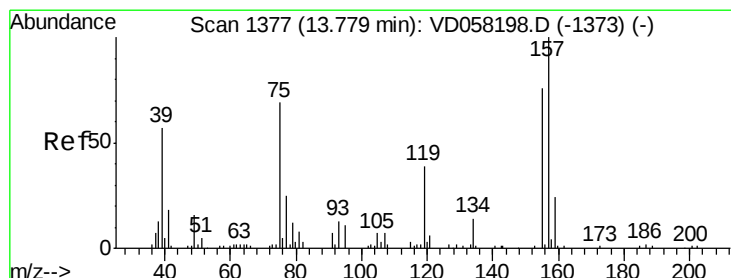
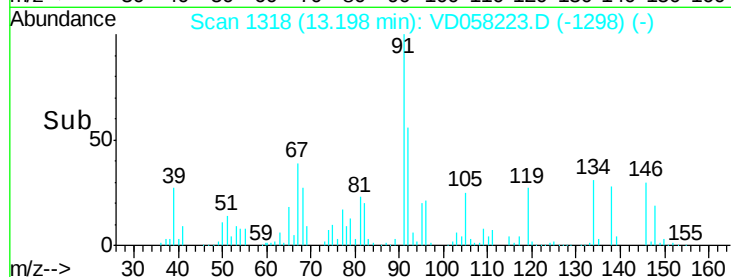
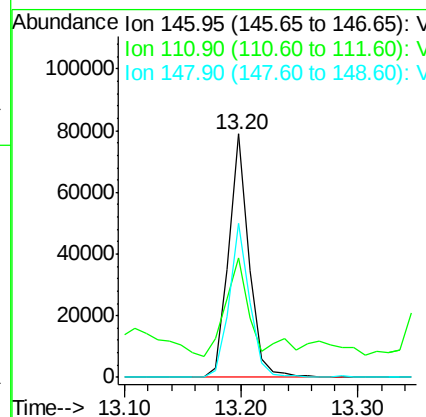
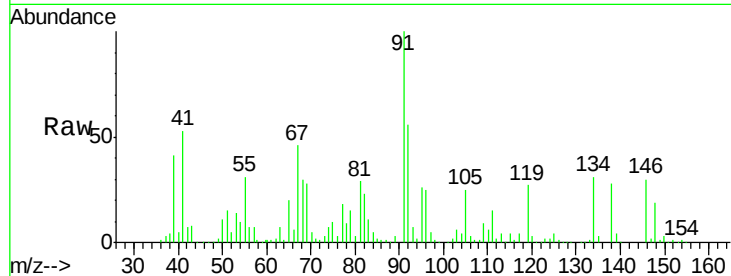
ClientSampleId :

AREA1(S)MSD

Tot Ion:	146	Resp:	95962
Ion	Ratio	Lower	Upper
146	100		
111	49.2	19.6	58.7
148	63.2	32.0	96.2

Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 98.86 ug/l

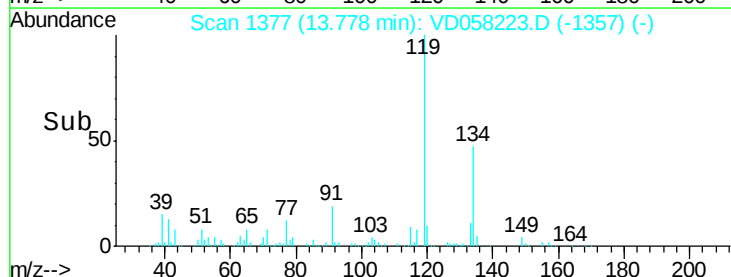
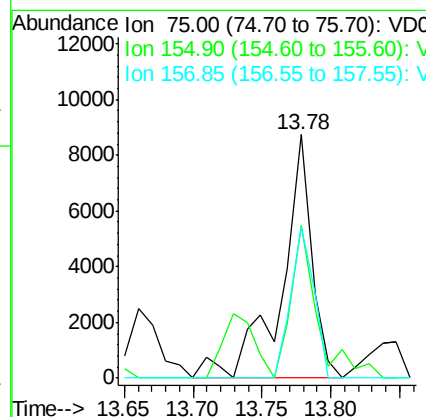
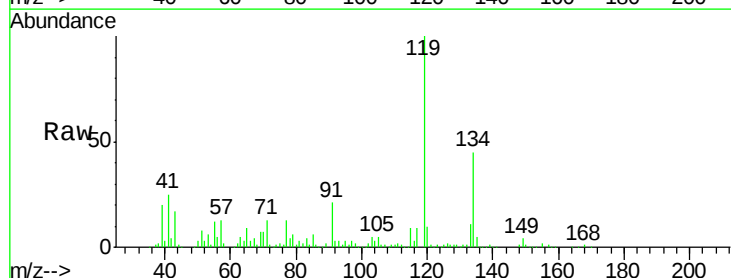
RT: 13.78 min Scan# 1377

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Tgt Ion:	75	Resp:	13479
Ion	Ratio	Lower	Upper
75	100		
155	62.8	54.5	163.5
157	62.4	72.0	215.9#





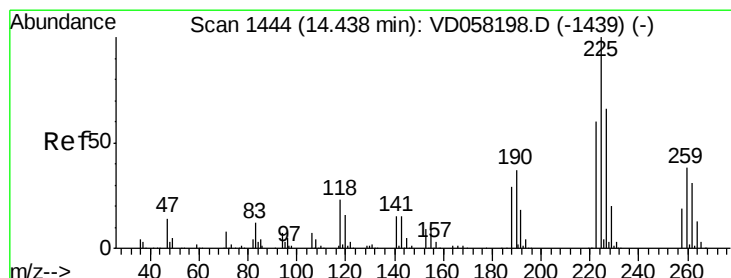
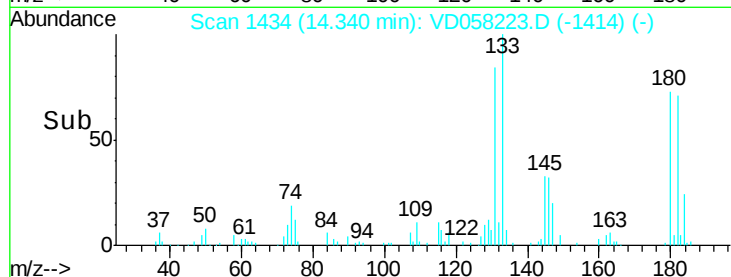
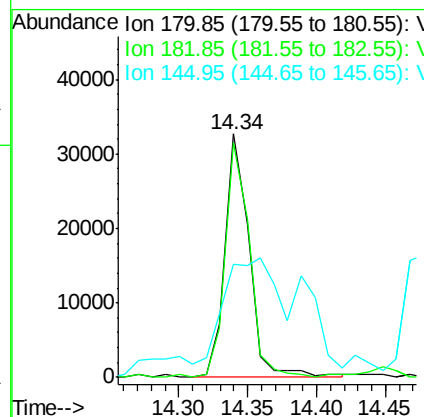
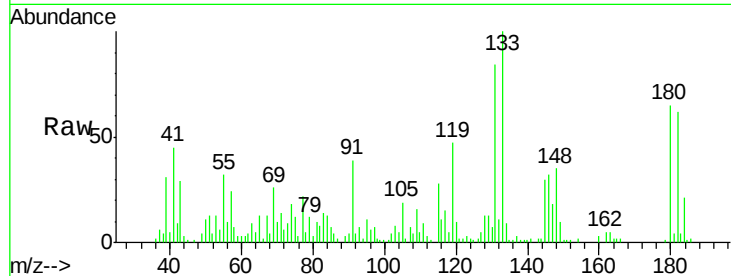
#93
 1,2,4-Trichlorobenzene
 Concen: 25.56 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	39865		
182	96.3	47.1	141.3	
145	46.5	11.7	35.0#	

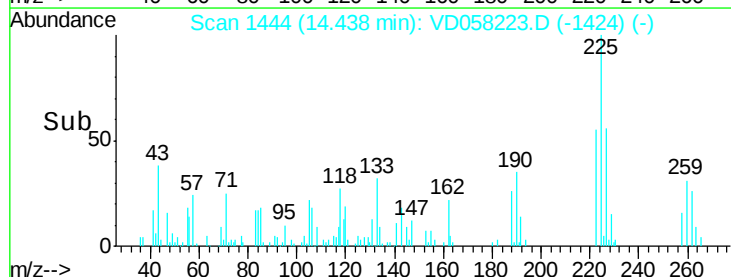
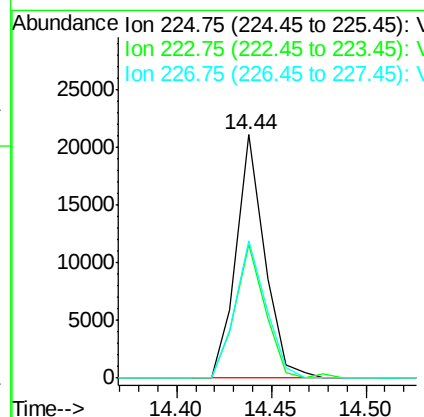
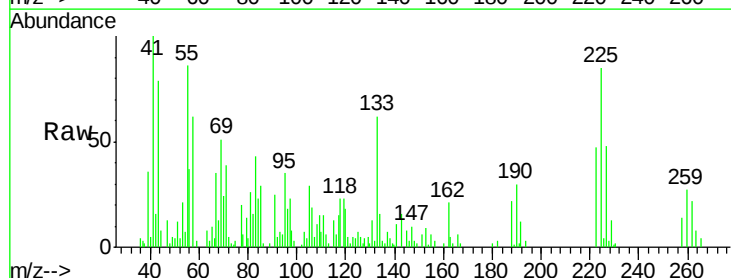
Manual Integrations
 APPROVED

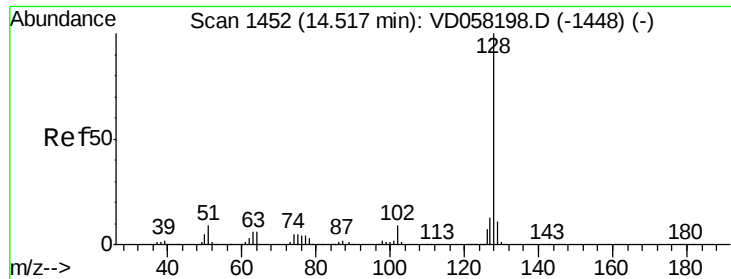
apatel
 6/21/2018 11:30:35 AM



#94
 Hexachlorobutadiene
 Concen: 18.01 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21974		
223	55.0	30.1	90.3	
227	56.4	33.0	98.9	





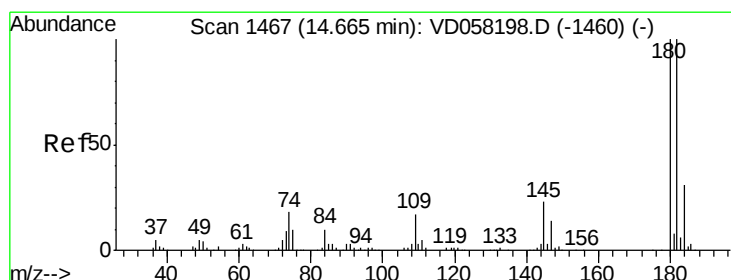
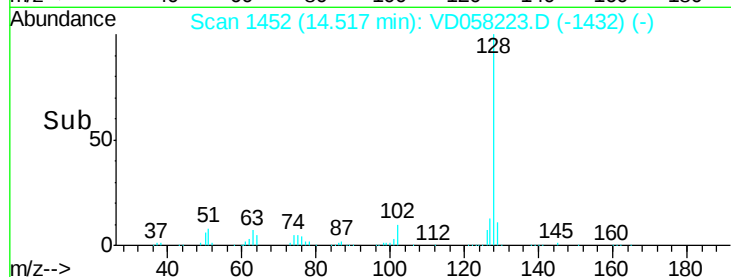
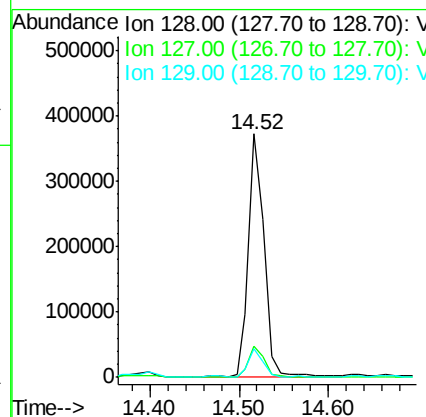
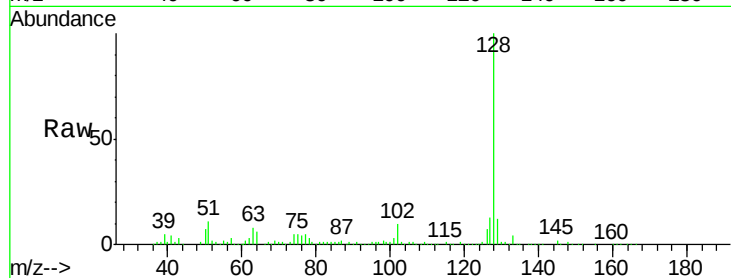
#95
Naphthalene
Concen: 221.63 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.0	15.0
129	11.9	8.7	13.1

Manual Integrations
APPROVED

apatel
6/21/2018 11:30:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 26.22 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	49.9	149.6
145	62.2	11.7	35.1#

