

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
 Data File : VD059738.D
 Acq On : 10 Aug 2018 20:03
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081018

Manual Integrations
 APPROVED

apatel
 8/13/2018 12:28:47 PM

Quant Time: Aug 11 05:50:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	175601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	211581	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	171667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	97955	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	134403	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	5.53	113	115088	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
50) Toluene-d8	8.70	98	228063	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	11.93	95	110123	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	128655	48.98	ug/l	99
3) Chloromethane	1.47	50	58167	58.44	ug/l	96
4) Vinyl Chloride	1.54	62	75338	59.94	ug/l	93
5) Bromomethane	1.78	94	30556m	57.89	ug/l	
6) Chloroethane	1.87	64	36770	56.83	ug/l	94
7) Trichlorofluoromethane	2.07	101	132307	49.07	ug/l	95
8) Diethyl Ether	2.34	74	23500	53.94	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.54	101	68548	49.58	ug/l	88
10) Methyl Iodide	2.68	142	82291	47.20	ug/l	96
11) Tert butyl alcohol	3.25	59	24149	253.53	ug/l	98
12) 1,1-Dichloroethene	2.53	96	49583	50.16	ug/l	97
13) Acrolein	2.47	56	13805	243.34	ug/l	90
14) Allyl chloride	2.91	41	113127	51.79	ug/l	100
15) Acrylonitrile	3.34	53	64172	272.53	ug/l	94
16) Acetone	2.60	43	117490	261.67	ug/l	98
17) Carbon Disulfide	2.74	76	183226	55.29	ug/l	98
18) Methyl Acetate	2.93	43	43102	49.96	ug/l	99
19) Methyl tert-butyl Ether	3.39	73	200743	51.89	ug/l	98
20) Methylene Chloride	3.06	84	60937	47.01	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	69403	55.38	ug/l	91
22) Diisopropyl ether	4.06	45	226233	54.76	ug/l	92
23) Vinyl Acetate	4.01	43	746409	267.00	ug/l	99
24) 1,1-Dichloroethane	3.96	63	154108	50.51	ug/l	98
25) 2-Butanone	4.83	43	135696	281.18	ug/l	98
26) 2,2-Dichloropropane	4.79	77	172937	48.49	ug/l	100
27) cis-1,2-Dichloroethene	4.80	96	80995	53.42	ug/l	93
28) Bromochloromethane	5.14	49	59618	54.27	ug/l #	95
29) Tetrahydrofuran	5.17	42	49161	272.44	ug/l	98
30) Chloroform	5.31	83	203690	50.54	ug/l	97
31) Cyclohexane	5.58	56	94185	53.18	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	207275	49.61	ug/l	95
36) 1,1-Dichloropropene	5.73	75	127754	52.02	ug/l	98
37) Ethyl Acetate	4.91	43	61177	56.64	ug/l #	95
38) Carbon Tetrachloride	5.71	117	191813	49.64	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
 Data File : VD059738.D
 Acq On : 10 Aug 2018 20:03
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 ICSV081018

Manual Integrations
 APPROVED

apatel
 8/13/2018 12:28:47 PM

Quant Time: Aug 11 05:50:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	99327	54.59	ug/l	97
40) Benzene	6.01	78	223649	52.27	ug/l	99
41) Methacrylonitrile	5.11	41	28642	56.41	ug/l	95
42) 1,2-Dichloroethane	6.11	62	172012	50.69	ug/l	99
43) Isopropyl Acetate	7.61	43	72158	53.03	ug/l	92
44) Trichloroethene	6.97	130	90889	52.66	ug/l	96
45) 1,2-Dichloropropane	7.33	63	60211	55.24	ug/l	92
46) Dibromomethane	7.45	93	59397	51.31	ug/l	86
47) Bromodichloromethane	7.74	83	149511	48.88	ug/l	97
48) Methyl methacrylate	7.49	41	56085	56.47	ug/l	99
49) 1,4-Dioxane	7.49	88	7972	1135.40	ug/l #	80
51) 4-Methyl-2-Pentanone	8.59	43	314403	299.74	ug/l	97
52) Toluene	8.79	92	150242	54.60	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	130755	53.20	ug/l	96
54) cis-1,3-Dichloropropene	8.35	75	122122	51.77	ug/l	95
55) 1,1,2-Trichloroethane	9.45	97	55722	51.35	ug/l	96
56) Ethyl methacrylate	9.31	69	66702	53.94	ug/l	91
57) 1,3-Dichloropropane	9.66	76	90298	49.99	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.18	63	155654	271.79	ug/l	97
59) 2-Hexanone	9.78	43	231218	294.58	ug/l	97
60) Dibromochloromethane	9.95	129	107377	51.29	ug/l	98
61) 1,2-Dibromoethane	10.09	107	70669	52.08	ug/l	99
64) Tetrachloroethene	9.51	164	91009	54.01	ug/l	94
65) Chlorobenzene	10.72	112	185625	52.98	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	91084	51.33	ug/l	99
67) Ethyl Benzene	10.86	91	339906	51.78	ug/l	98
68) m/p-Xylenes	11.00	106	210288	99.92	ug/l	97
69) o-Xylene	11.40	106	101625	49.66	ug/l	99
70) Styrene	11.43	104	173922	51.90	ug/l	99
71) Bromoform	11.59	173	72092	53.71	ug/l	98
73) Isopropylbenzene	11.77	105	339215	50.97	ug/l	99
74) N-amyl acetate	11.64	43	100690	52.78	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	61904	50.98	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	74461	51.39	ug/l	96
77) Bromobenzene	12.04	156	97971	50.41	ug/l	85
78) n-propylbenzene	12.15	91	398350	49.27	ug/l	100
79) 2-Chlorotoluene	12.21	91	253436	49.51	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	289819	50.27	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	19279	59.07	ug/l #	80
82) 4-Chlorotoluene	12.32	91	302558	50.14	ug/l	97
83) tert-Butylbenzene	12.57	119	311510	49.68	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	304600	51.20	ug/l	99
85) sec-Butylbenzene	12.75	105	349923	52.49	ug/l	98
86) p-Isopropyltoluene	12.88	119	308614	51.37	ug/l	95
87) 1,3-Dichlorobenzene	12.83	146	167557	50.92	ug/l	95
88) 1,4-Dichlorobenzene	12.92	146	173621	52.78	ug/l	97
89) n-Butylbenzene	13.19	91	288871	48.64	ug/l	99
90) Hexachloroethane	13.39	117	79742	51.17	ug/l	86
91) 1,2-Dichlorobenzene	13.19	146	140226	50.16	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	15291	50.55	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
Data File : VD059738.D
Acq On : 10 Aug 2018 20:03
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

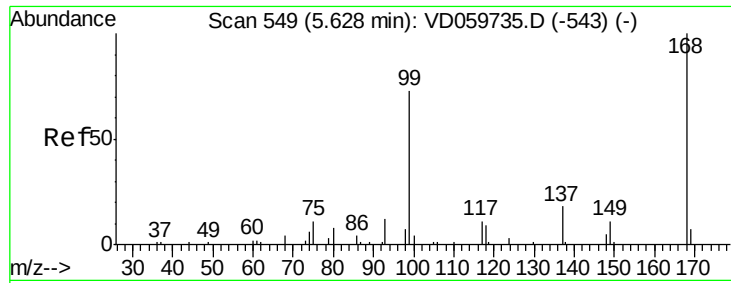
Manual Integrations
APPROVED

apatel
8/13/2018 12:28:47 PM

Quant Time: Aug 11 05:50:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 11 05:42:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	131313	49.47	ug/l	97
94) Hexachlorobutadiene	14.43	225	101303	45.54	ug/l	99
95) Naphthalene	14.52	128	184517	51.63	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	110716	48.79	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

ICVVD081018

Tot Ion:168 Resp: 175601

Ion Ratio Lower Upper

168 100

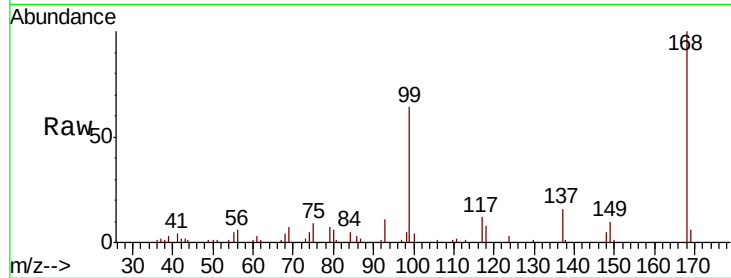
99 64.2 61.4 92.2

Manual Integrations

APPROVED

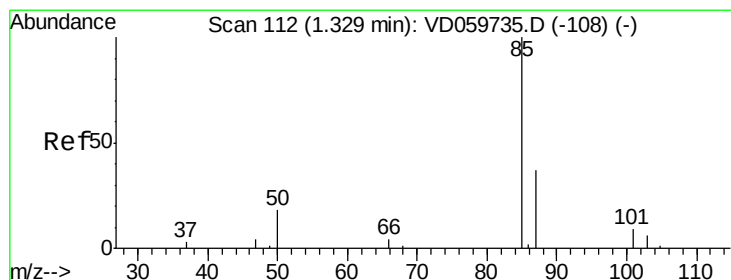
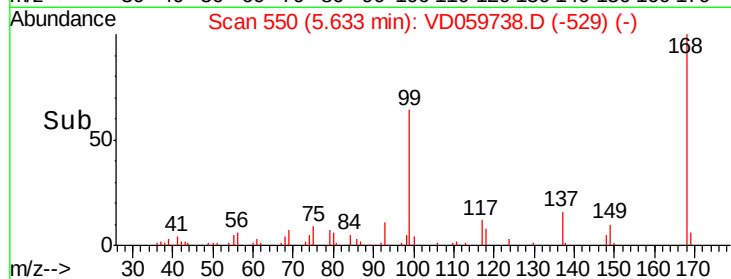
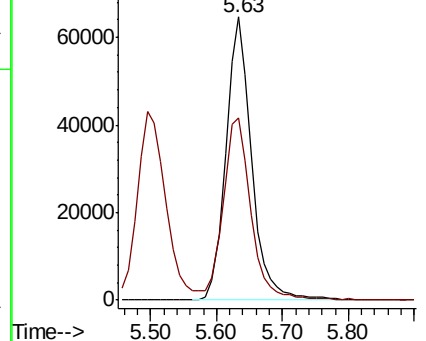
apatel

8/13/2018 12:28:47 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.98 ug/l

RT: 1.33 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD059738.D

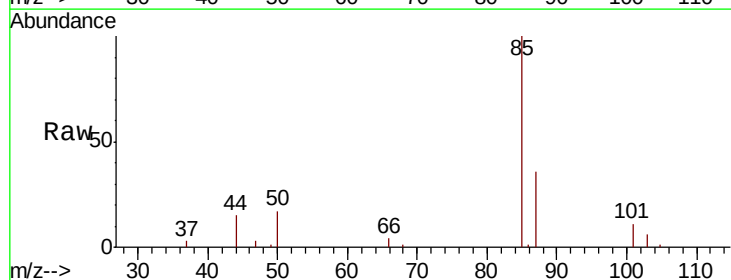
Acq: 10 Aug 2018 20:03

Tgt Ion: 85 Resp: 128655

Ion Ratio Lower Upper

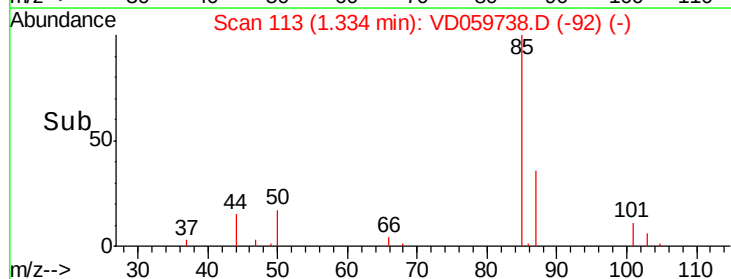
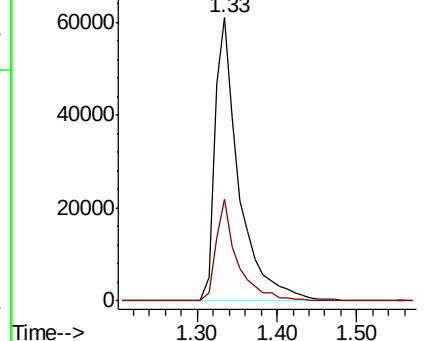
85 100

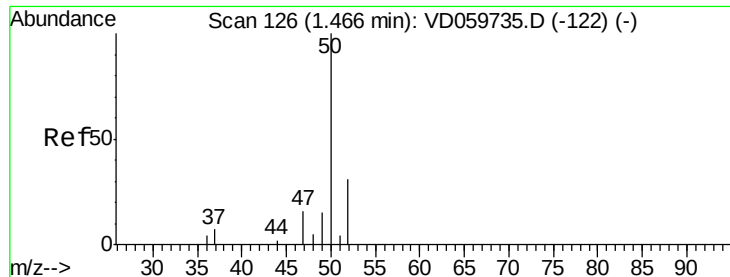
87 35.8 18.3 54.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 58.44 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

ICVVD081018

Tot Ion: 50 Resp: 58167

Ion Ratio Lower Upper

50 100

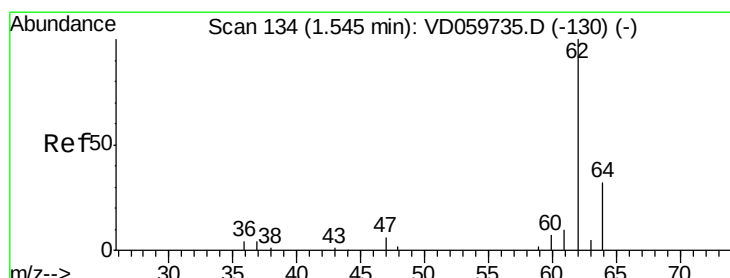
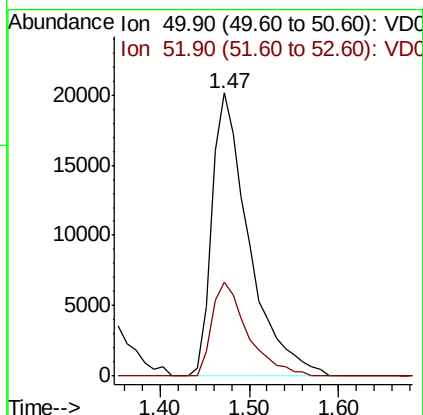
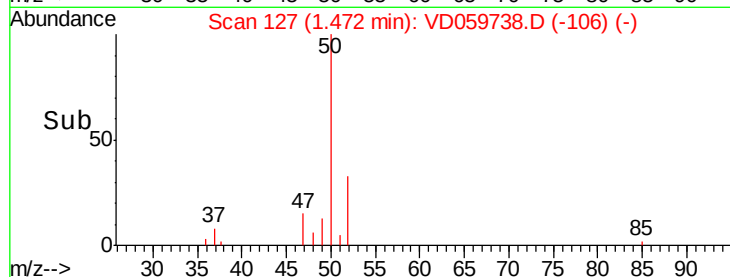
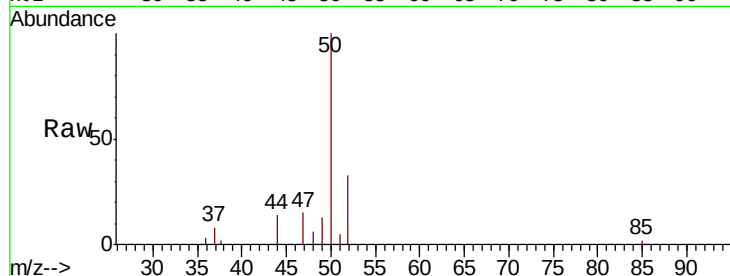
52 33.4 24.8 37.2

Manual Integrations

APPROVED

apatel

8/13/2018 12:28:47 PM



#4

Vinyl Chloride

Concen: 59.94 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059738.D

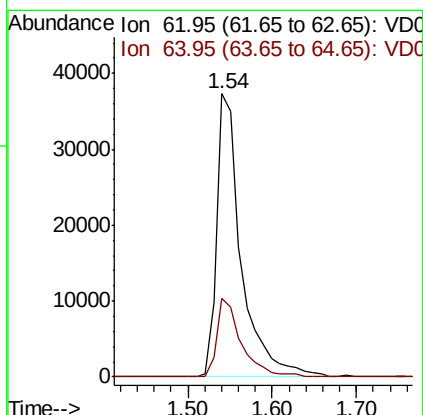
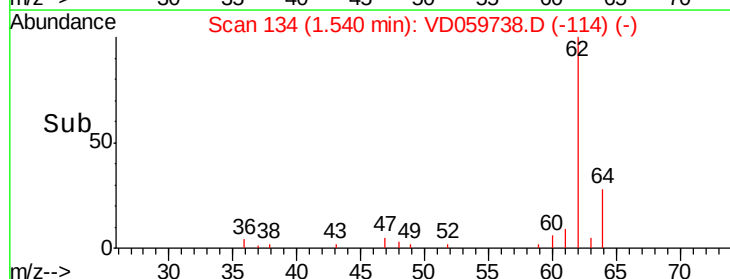
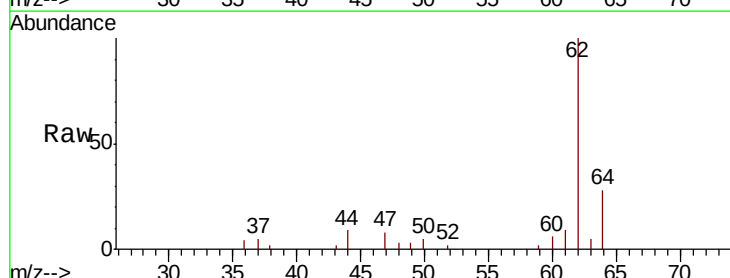
Acq: 10 Aug 2018 20:03

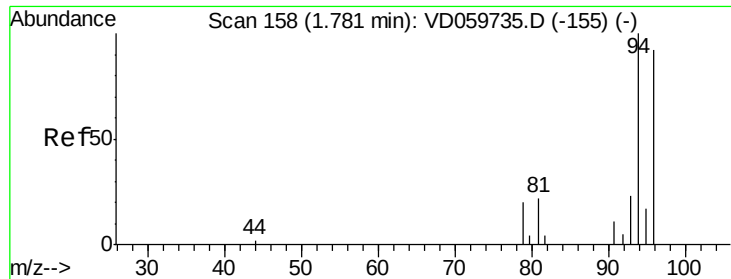
Tgt Ion: 62 Resp: 75338

Ion Ratio Lower Upper

62 100

64 27.8 25.3 37.9





#5

Bromomethane

Concen: 57.89 ug/l m

RT: 1.78 min Scan# 158

Delta R.T. -0.00 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

ICVVD081018

Tot Ion: 94 Resp: 30556

Ion Ratio Lower Upper

94 100

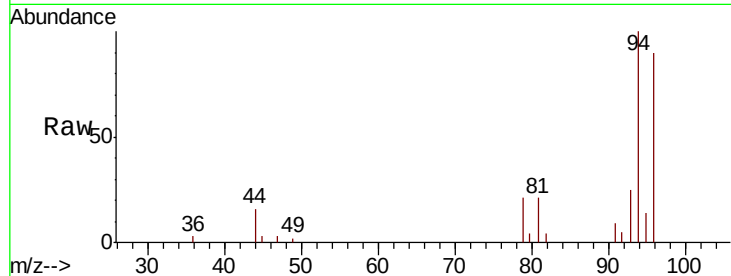
96 89.7 73.4 110.2

Manual Integrations

APPROVED

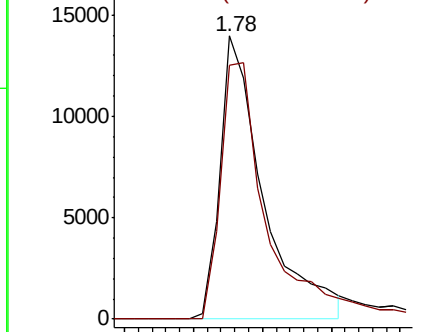
apatel

8/13/2018 12:28:47 PM

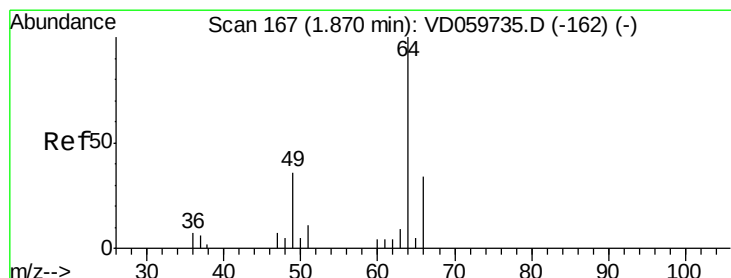
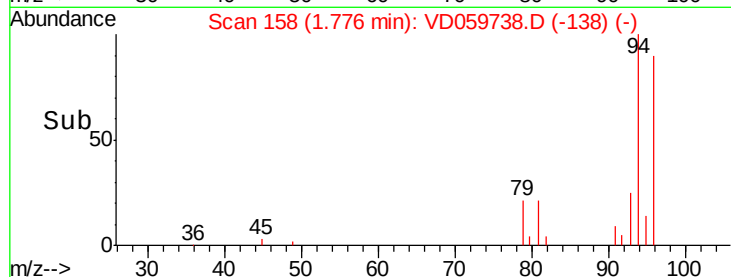


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 56.83 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD059738.D

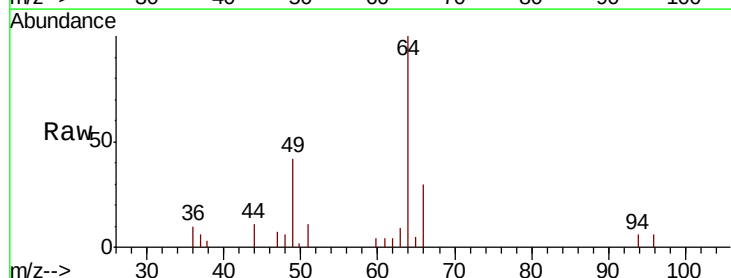
Acq: 10 Aug 2018 20:03

Tgt Ion: 64 Resp: 36770

Ion Ratio Lower Upper

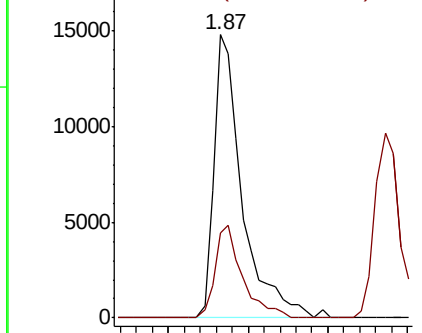
64 100

66 30.2 26.9 40.3

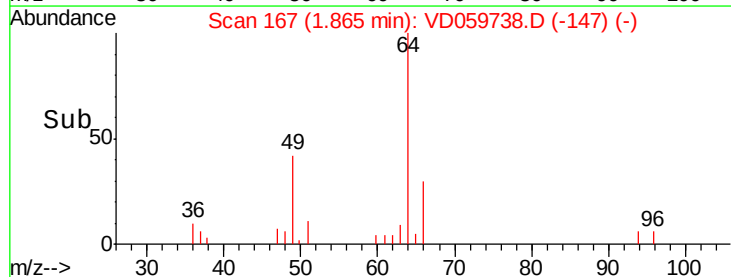


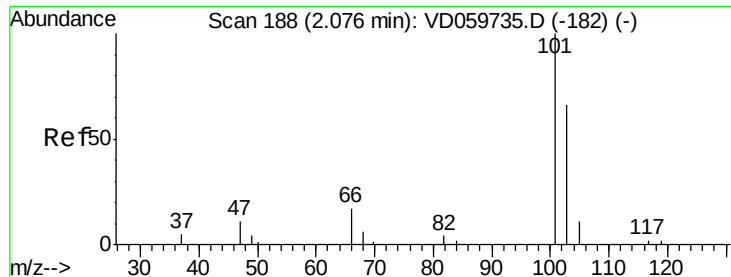
Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

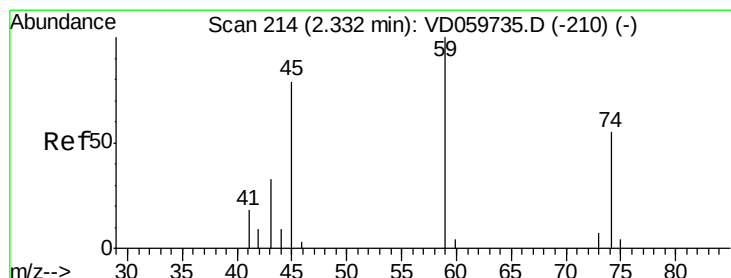
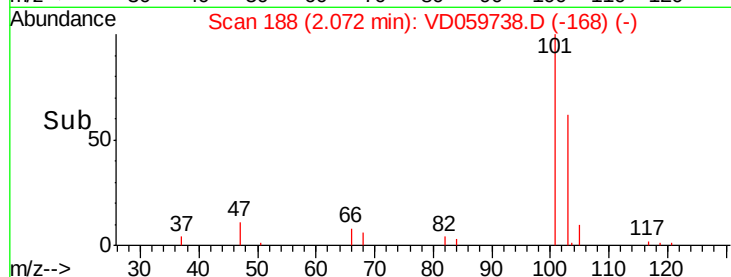
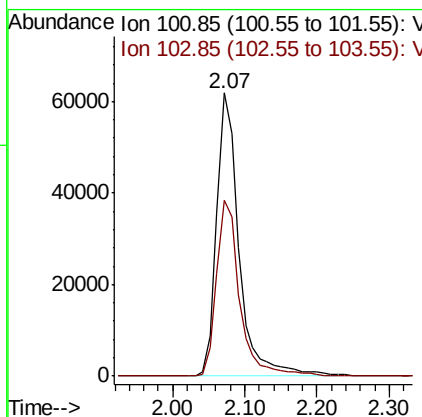
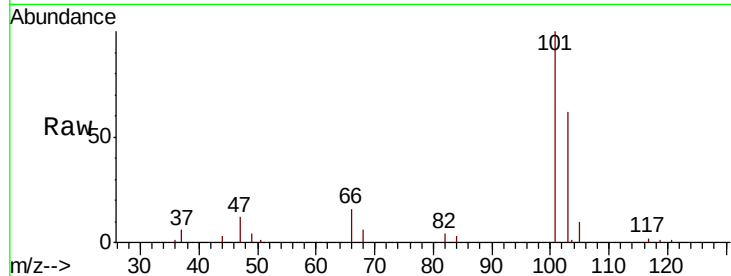
Trichlorofluoromethane
Concen: 49.07 ug/l
RT: 2.07 min Scan# 188
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	52.4	78.6

Manual Integrations
APPROVED

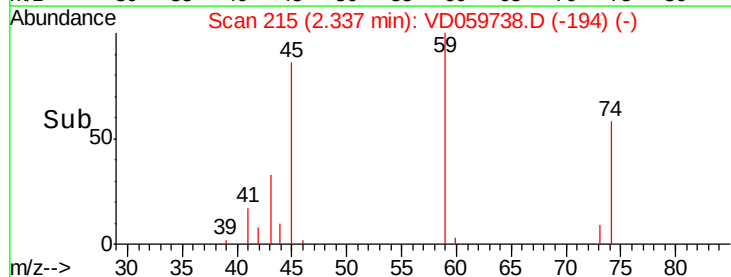
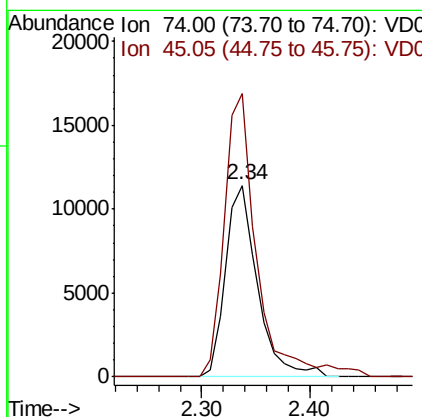
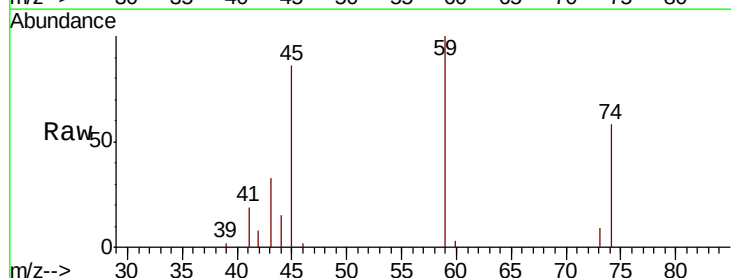
apatel
8/13/2018 12:28:47 PM

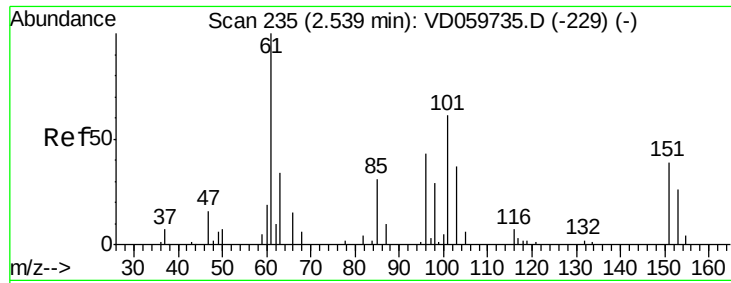


#8

Diethyl Ether
Concen: 53.94 ug/l
RT: 2.34 min Scan# 215
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	147.7	71.1	213.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.58 ug/l

RT: 2.54 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

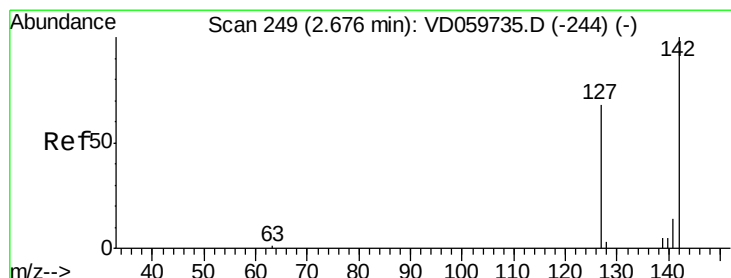
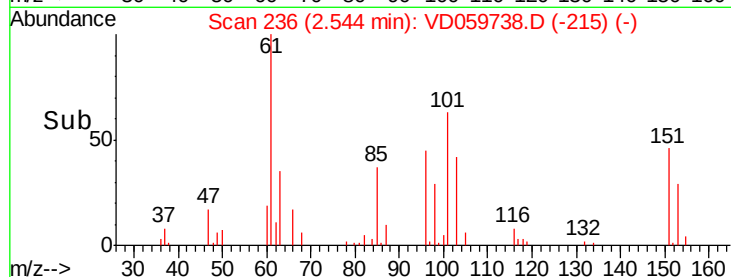
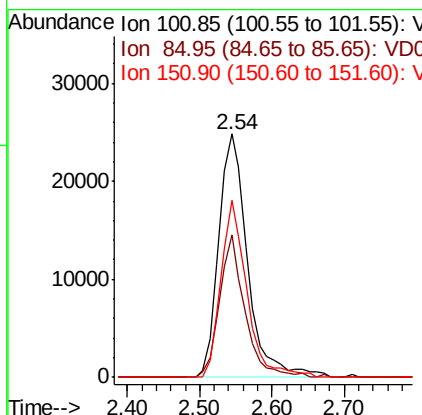
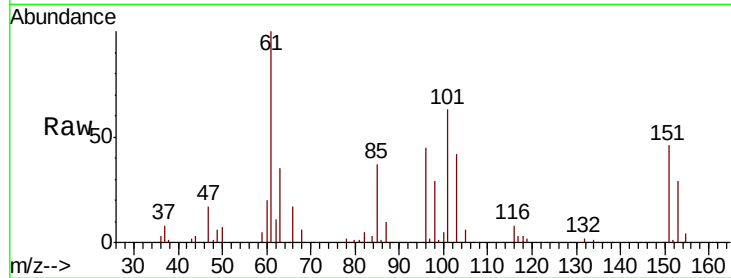
ClientSampleId :

ICVVD081018

Tot Ion:	101	Resp:	68548
Ion Ratio	Lower	Upper	
101	100		
85	58.5	39.7	59.5
151	72.9	50.8	76.2

Manual Integrations
APPROVED

apatel
8/13/2018 12:28:47 PM



#10

Methyl Iodide

Concen: 47.20 ug/l

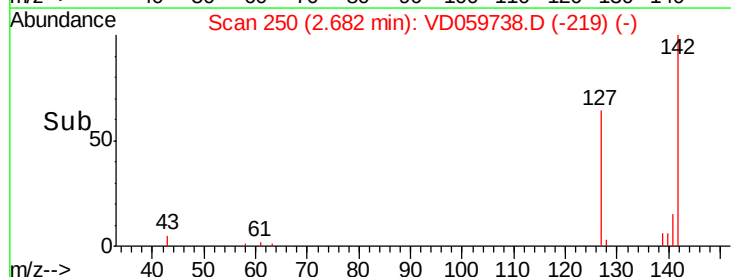
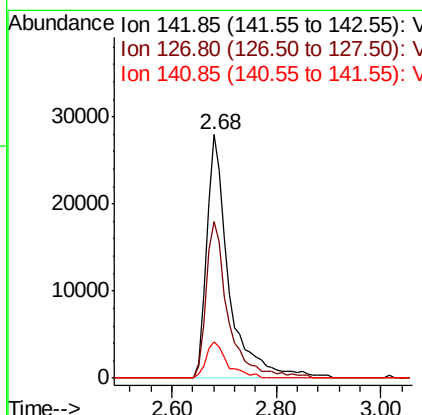
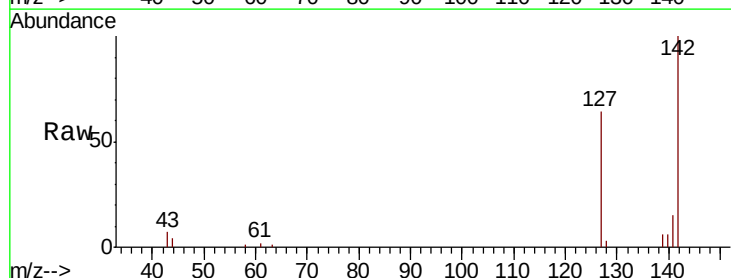
RT: 2.68 min Scan# 250

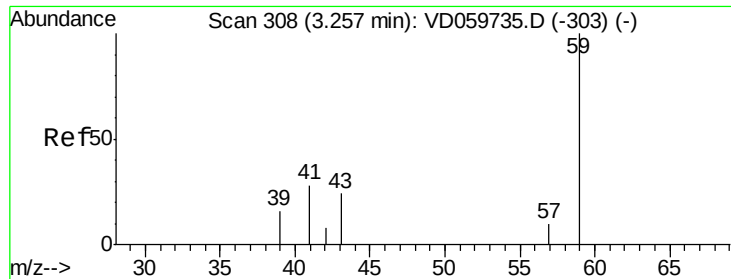
Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Tgt Ion:	142	Resp:	82291
Ion Ratio	Lower	Upper	
142	100		
127	64.4	54.0	81.0
141	15.1	11.0	16.4





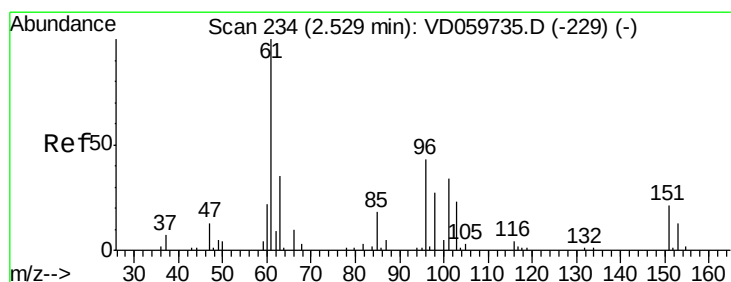
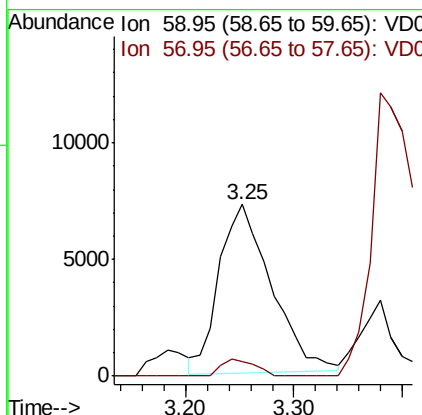
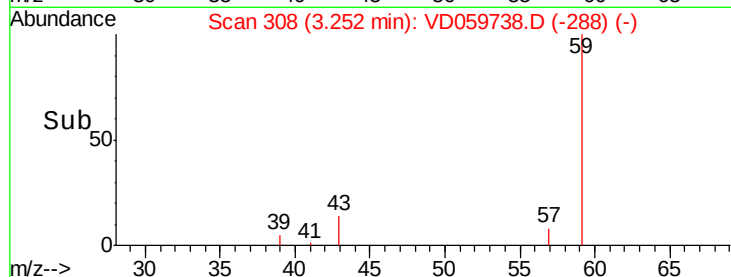
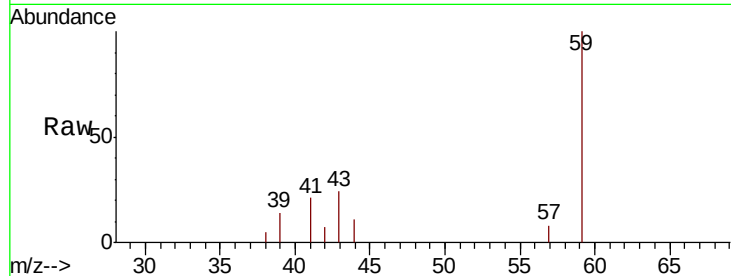
#11
Tert butyl alcohol
Concen: 253.53 ug/l
RT: 3.25 min Scan# 308
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion: 59 Resp: 24149
Ion Ratio Lower Upper
59 100
57 8.2 7.3 10.9

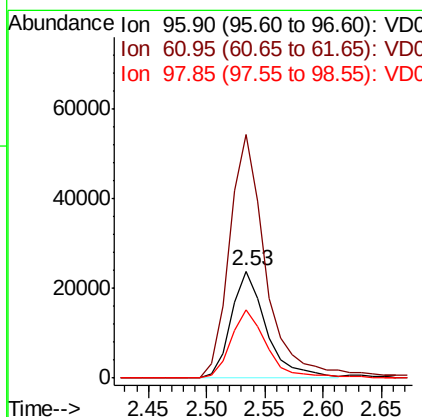
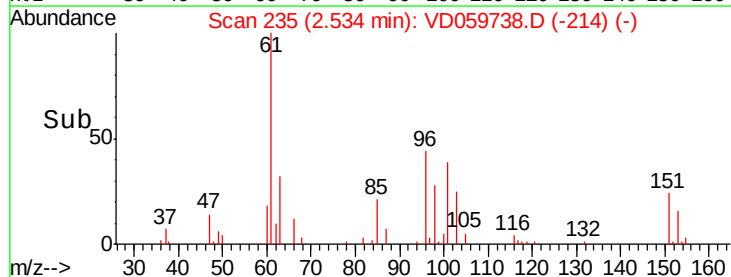
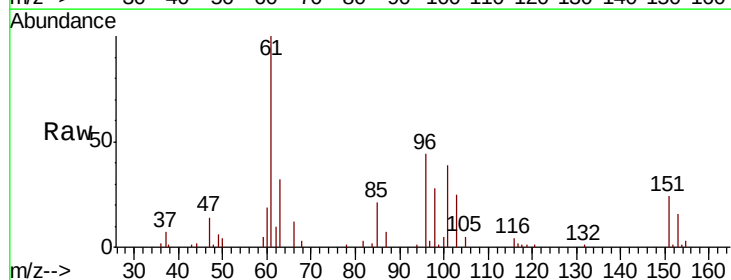
Manual Integrations
APPROVED

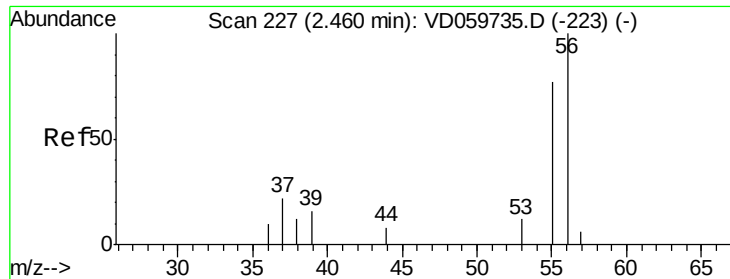
apatel
8/13/2018 12:28:47 PM



#12
1,1-Dichloroethene
Concen: 50.16 ug/l
RT: 2.53 min Scan# 235
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion: 96 Resp: 49583
Ion Ratio Lower Upper
96 100
61 228.2 187.2 280.8
98 63.6 50.4 75.6





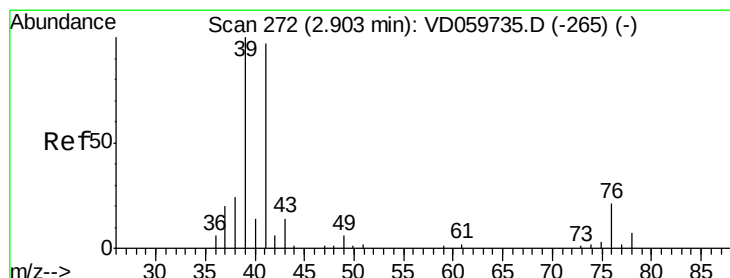
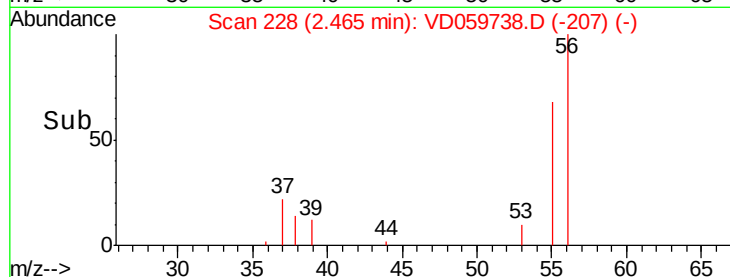
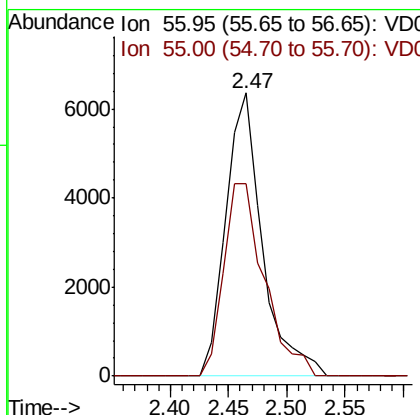
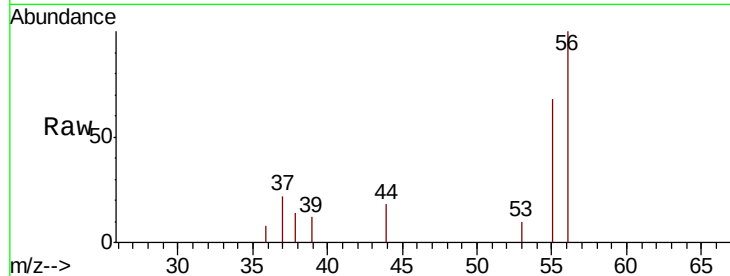
#13
Acrolein
Concen: 243.34 ug/l
RT: 2.47 min Scan# 228
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	56	Resp	13805
Ion Ratio	100	Lower	Upper
56	100		
55	67.8	61.4	92.2

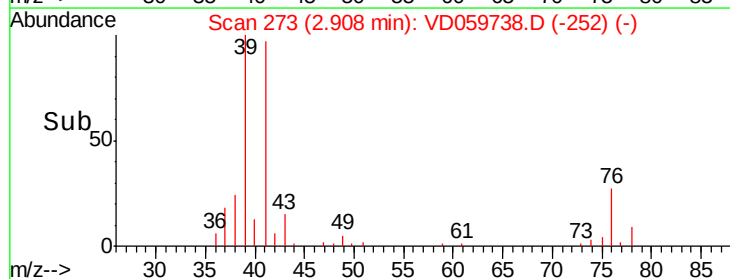
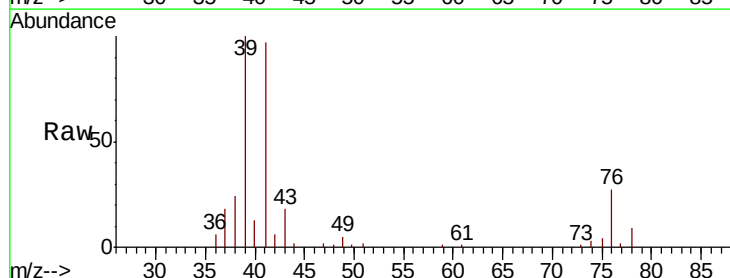
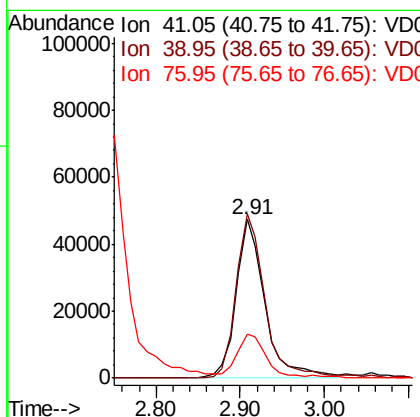
Manual Integrations
APPROVED

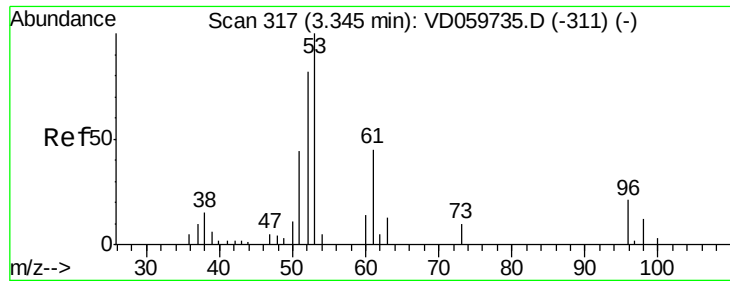
apatel
8/13/2018 12:28:47 PM



#14
Allyl chloride
Concen: 51.79 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	41	Resp	113127
Ion Ratio	100	Lower	Upper
41	100		
39	103.3	82.9	124.3
76	27.5	22.2	33.2





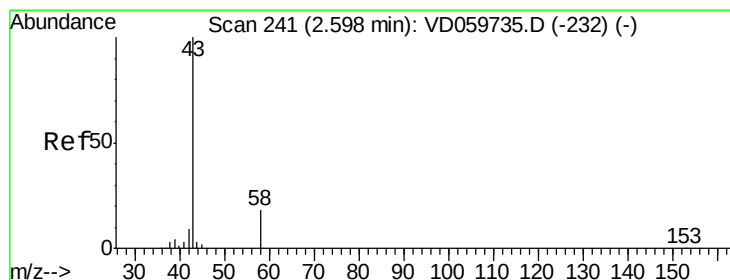
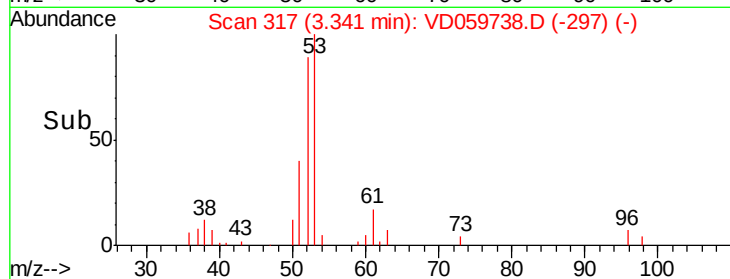
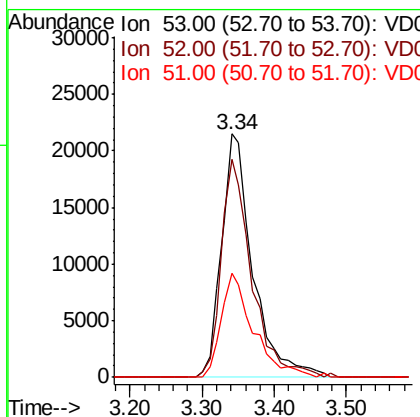
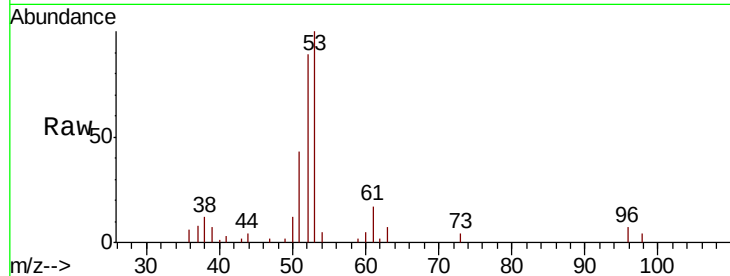
#15
 Acrylonitrile
 Concen: 272.53 ug/l
 RT: 3.34 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		64172		
52	89.4	65.8	98.6		
51	42.6	35.1	52.7		

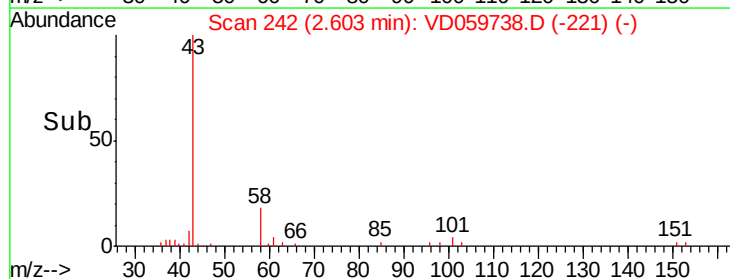
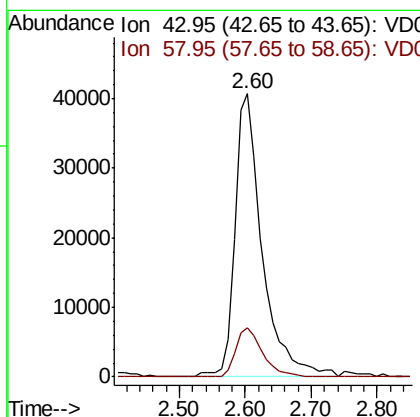
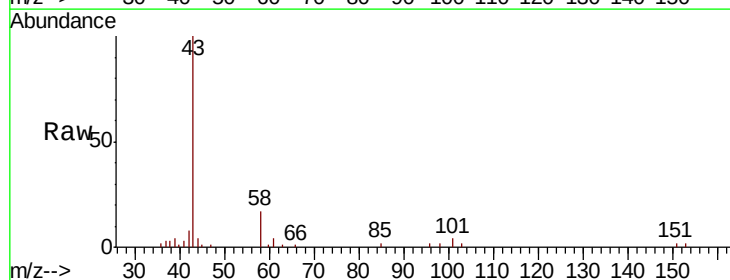
Manual Integrations
 APPROVED

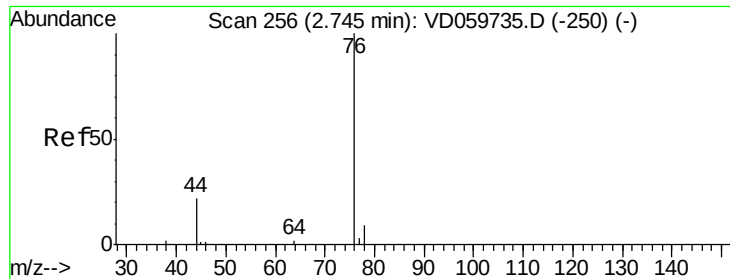
apatel
 8/13/2018 12:28:47 PM



#16
 Acetone
 Concen: 261.67 ug/l
 RT: 2.60 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		117490		
58	17.3	14.6	21.8		





#17

Carbon Disulfide

Concen: 55.29 ug/l

RT: 2.74 min Scan# 256

Delta R.T. -0.00 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

ICVVD081018

Tot Ion: 76 Resp: 183226

Ion Ratio Lower Upper

76 100

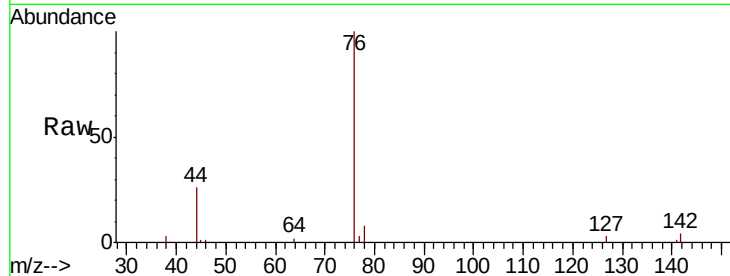
78 8.2 7.0 10.6

Manual Integrations

APPROVED

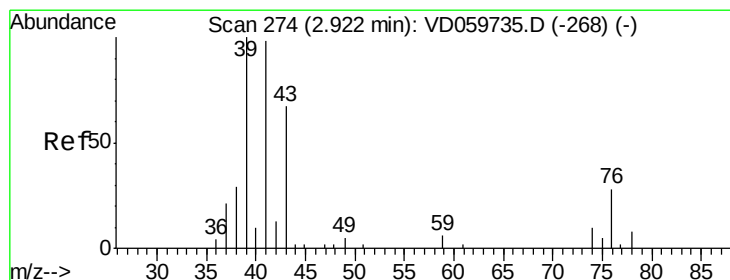
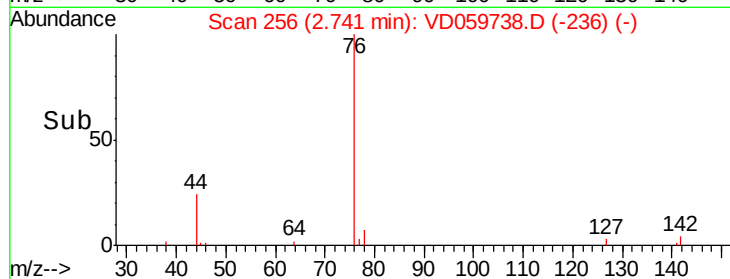
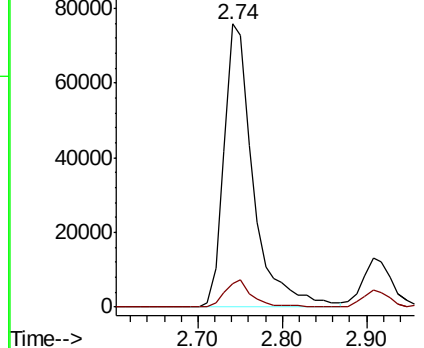
apatel

8/13/2018 12:28:47 PM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 49.96 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.01 min

Lab File: VD059738.D

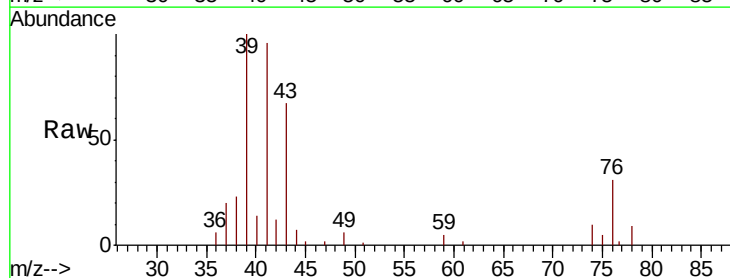
Acq: 10 Aug 2018 20:03

Tgt Ion: 43 Resp: 43102

Ion Ratio Lower Upper

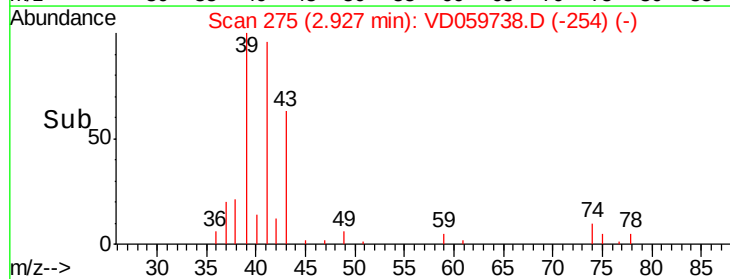
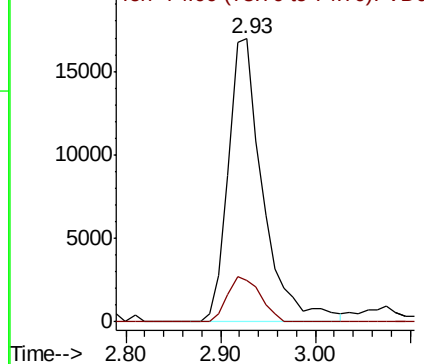
43 100

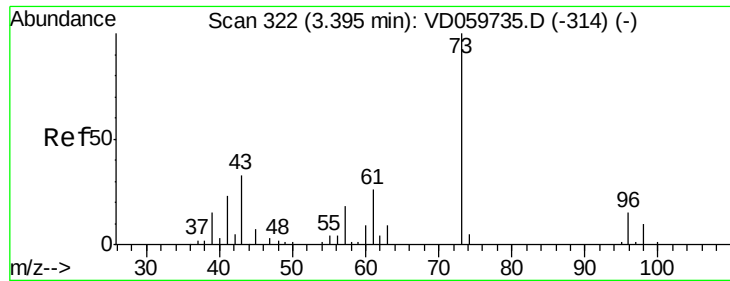
74 14.7 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





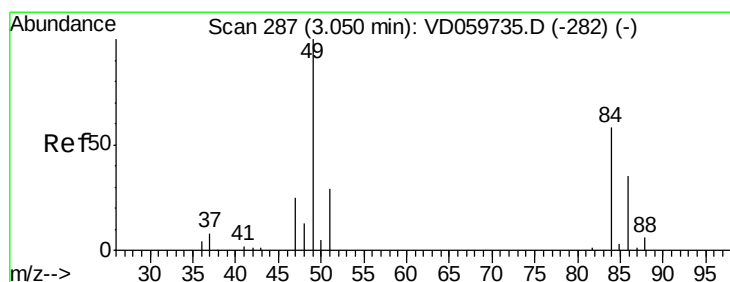
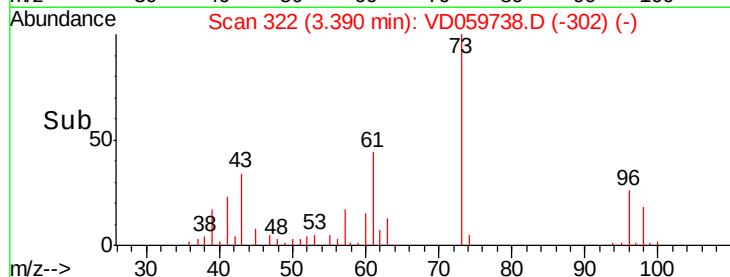
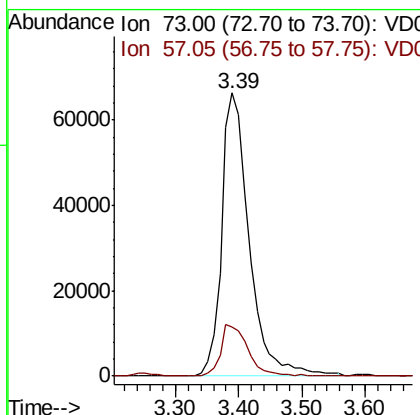
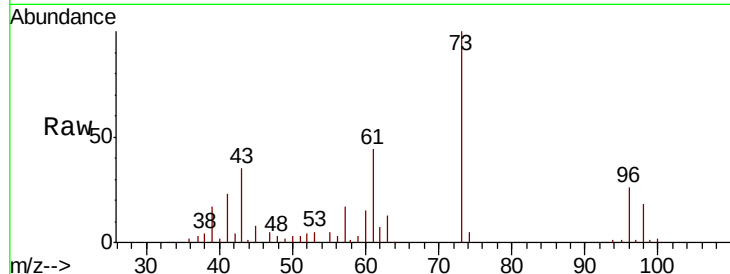
#19
Methyl tert-butyl Ether
Concen: 51.89 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion: 73 Resp: 200743
Ion Ratio Lower Upper
73 100
57 17.4 14.8 22.2

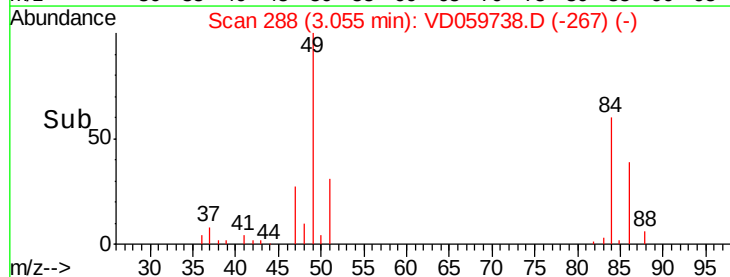
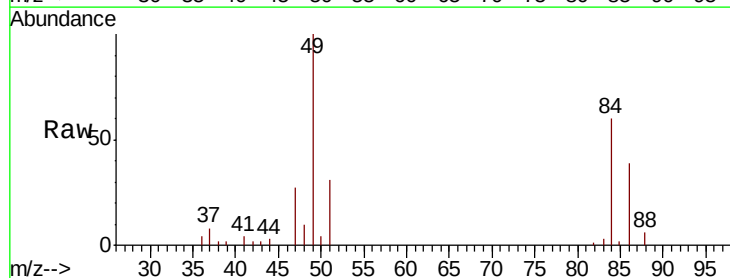
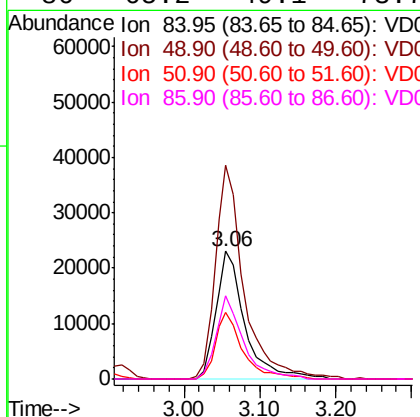
Manual Integrations
APPROVED

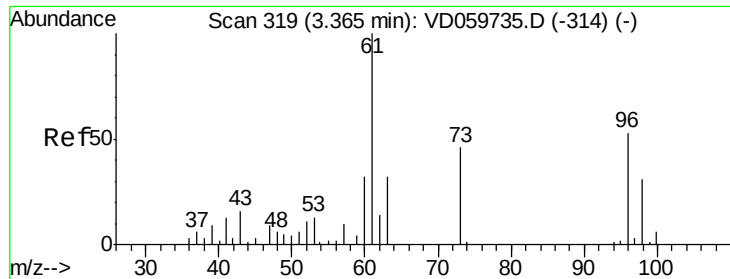
apatel
8/13/2018 12:28:47 PM



#20
Methylene Chloride
Concen: 47.01 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion: 84 Resp: 60937
Ion Ratio Lower Upper
84 100
49 167.2 138.9 208.3
51 51.9 40.2 60.2
86 65.2 49.1 73.7





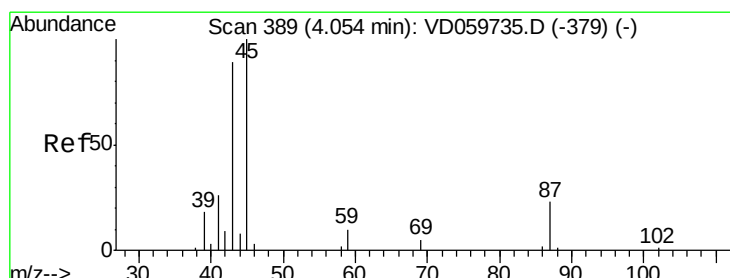
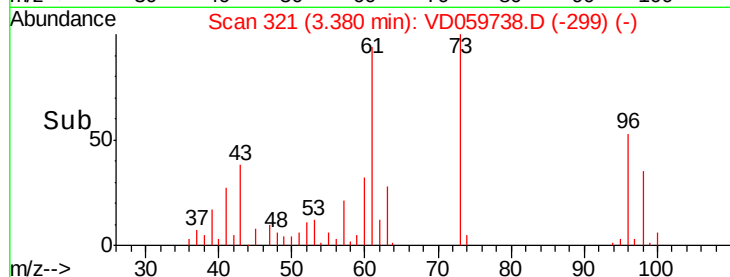
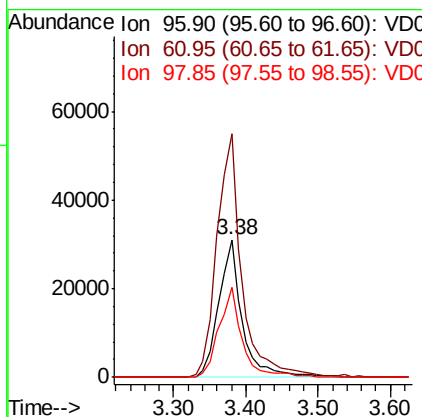
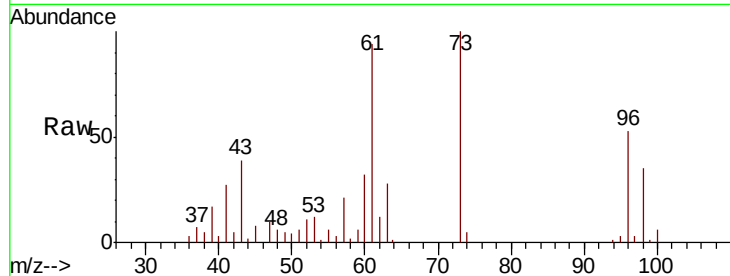
#21
trans-1,2-Dichloroethene
Concen: 55.38 ug/l
RT: 3.38 min Scan# 321
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	Ratio	Lower	Upper
96	100		
61	176.9	152.0	228.0
98	65.3	47.4	71.2

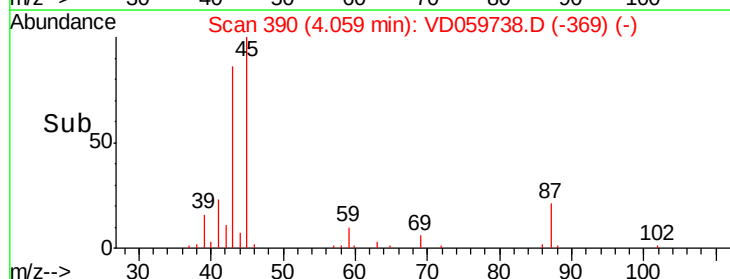
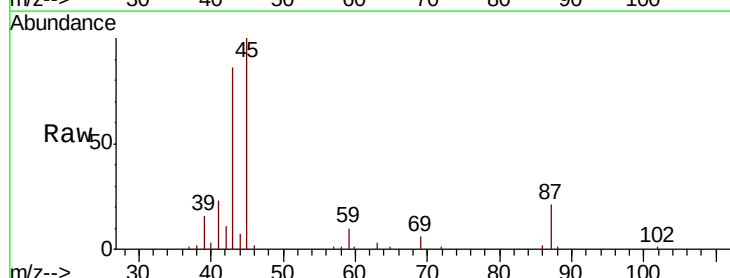
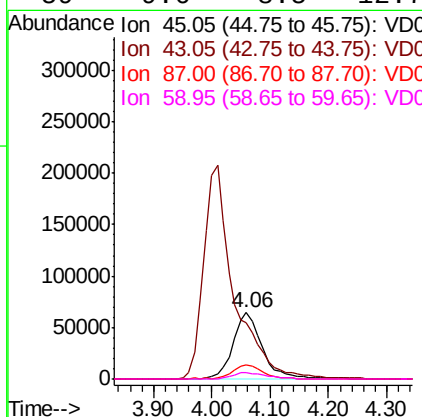
Manual Integrations
APPROVED

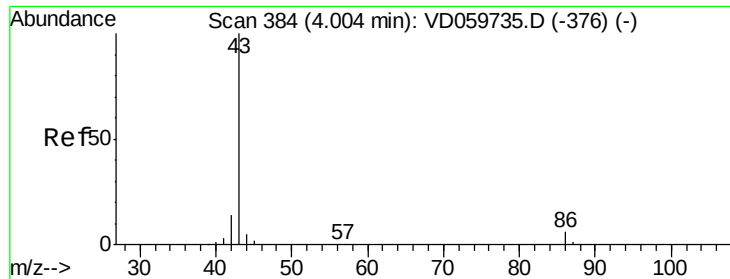
apatel
8/13/2018 12:28:47 PM



#22
Diisopropyl ether
Concen: 54.76 ug/l
RT: 4.06 min Scan# 390
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	86.1	75.5	113.3
87	20.9	19.4	29.0
59	9.6	8.5	12.7





#23

Vinyl Acetate

Concen: 267.00 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

ICVVD081018

Tot Ion: 43 Resp: 746409

Ion Ratio Lower Upper

43 100

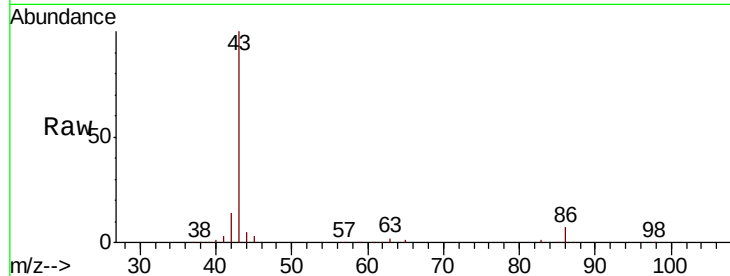
86 6.5 5.0 7.4

Manual Integrations

APPROVED

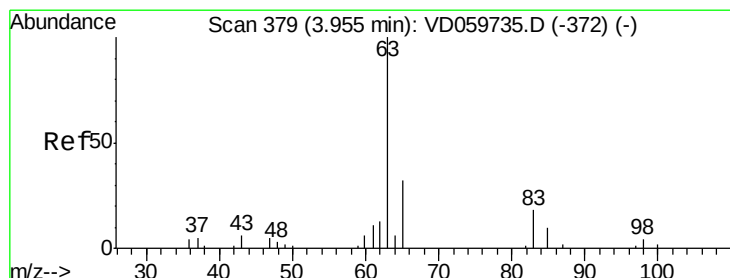
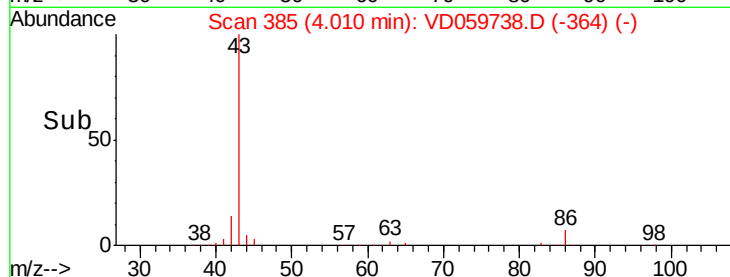
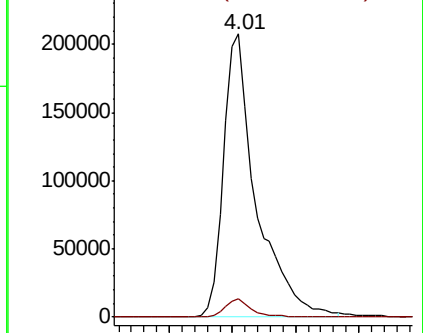
apatel

8/13/2018 12:28:47 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.51 ug/l

RT: 3.96 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

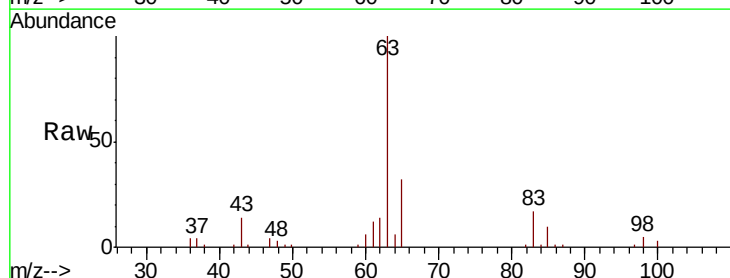
Tgt Ion: 63 Resp: 154108

Ion Ratio Lower Upper

63 100

98 4.7 1.8 5.5

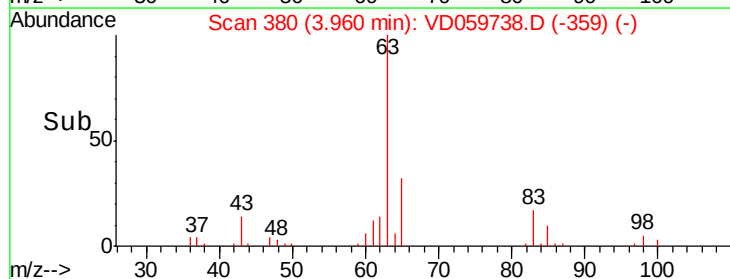
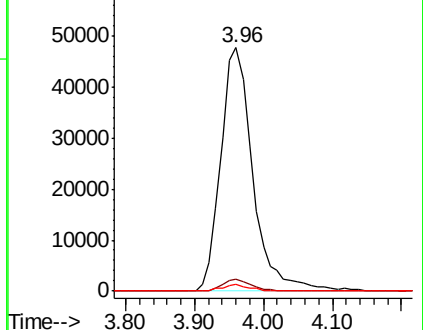
100 2.5 1.1 3.1

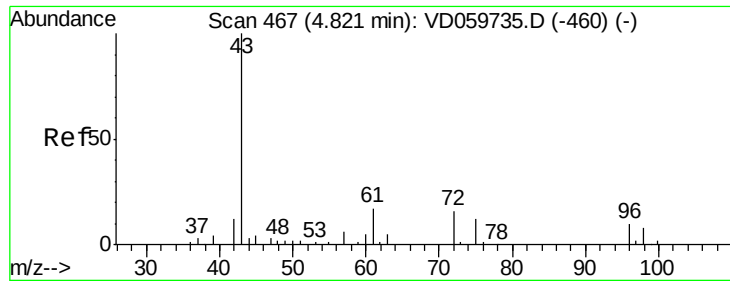


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 281.18 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

ICVVD081018

Tot Ion: 43 Resp: 135696

Ion Ratio Lower Upper

43 100

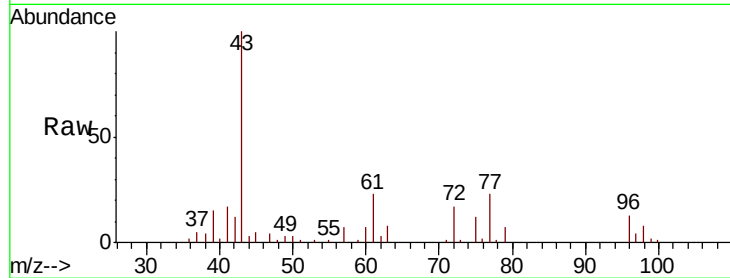
72 17.3 13.1 19.7

Manual Integrations

APPROVED

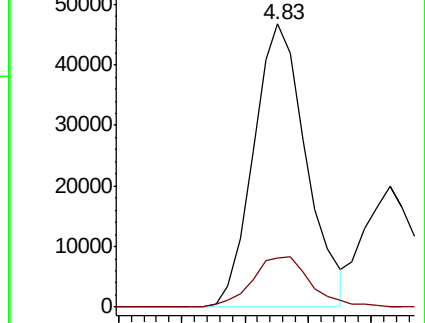
apatel

8/13/2018 12:28:47 PM

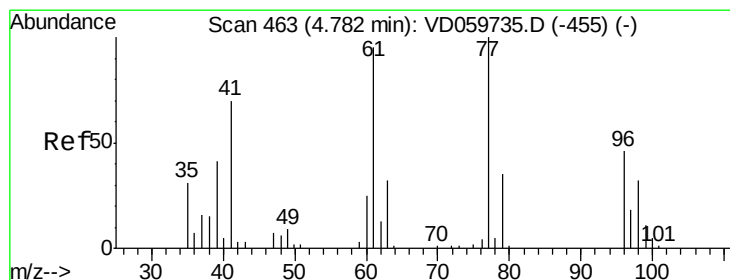
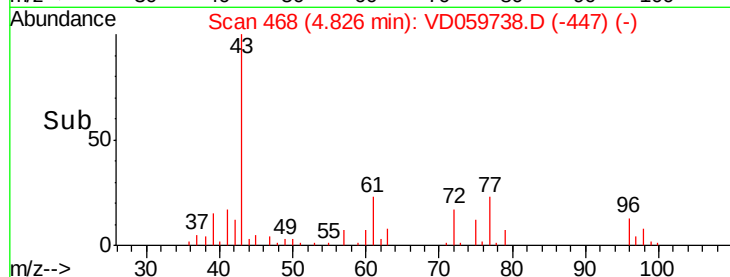


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 4.70 4.75 4.80 4.85 4.90



#26

2,2-Dichloropropane

Concen: 48.49 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059738.D

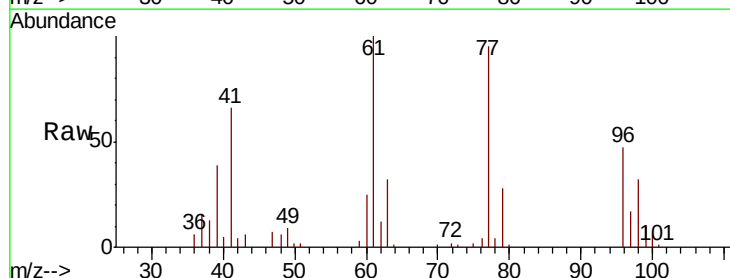
Acq: 10 Aug 2018 20:03

Tgt Ion: 77 Resp: 172937

Ion Ratio Lower Upper

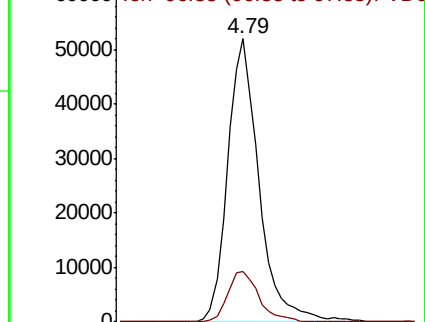
77 100

97 17.9 8.9 26.8

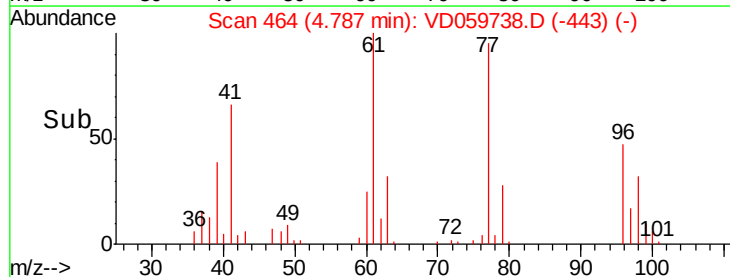


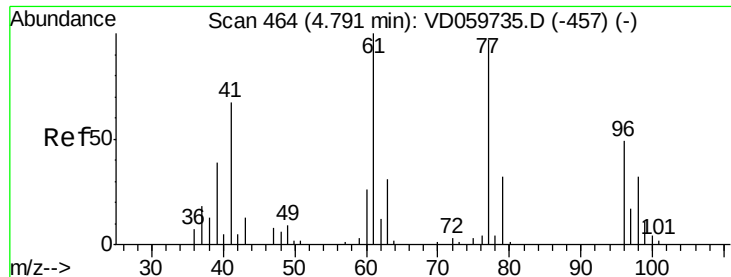
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time--> 4.60 4.70 4.80 4.90 5.00





#27

cis-1,2-Dichloroethene

Concen: 53.42 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

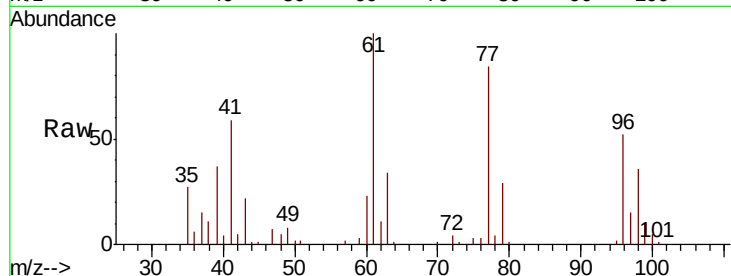
ClientSampleId :

ICVVD081018

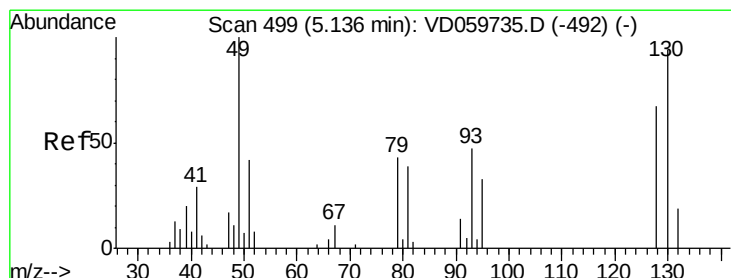
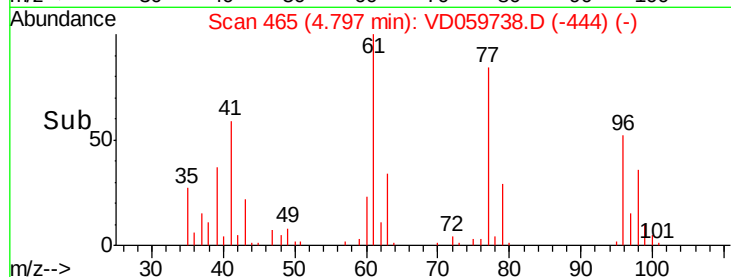
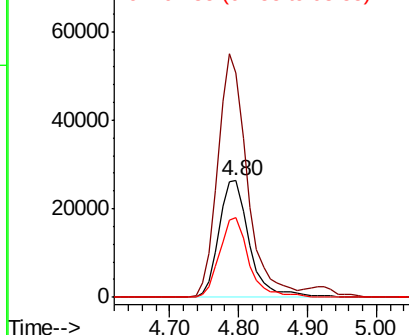
Tot Ion:	96	Resp:	80995
Ion	Ratio	Lower	Upper
96	100		
61	192.2	0.0	409.8
98	68.8	0.0	132.8

Manual Integrations
APPROVED

apatel
8/13/2018 12:28:47 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 54.27 ug/l

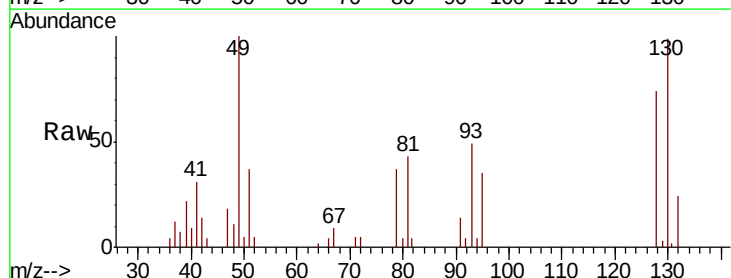
RT: 5.14 min Scan# 500

Delta R.T. 0.01 min

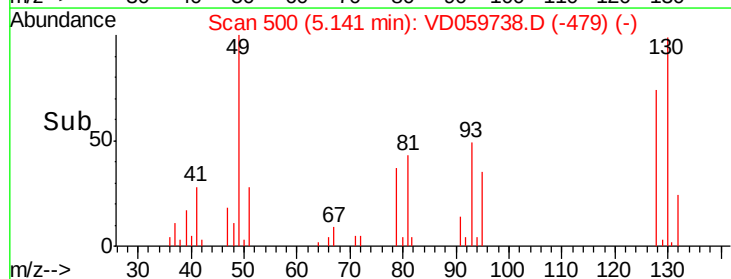
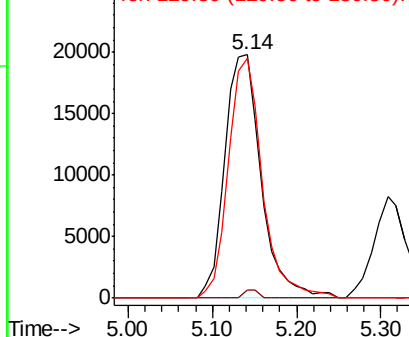
Lab File: VD059738.D

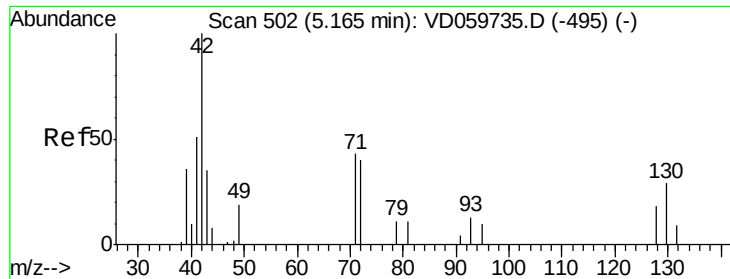
Acq: 10 Aug 2018 20:03

Tgt Ion:	49	Resp:	59618
Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	0.0#
130	98.6	75.0	112.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





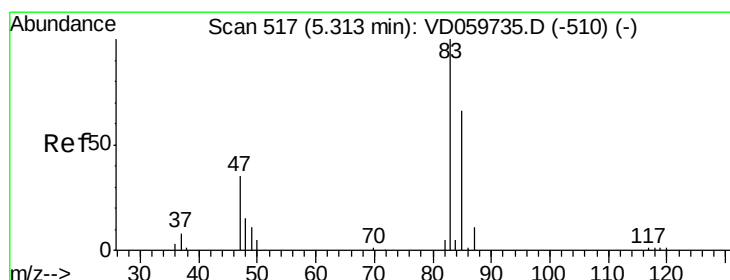
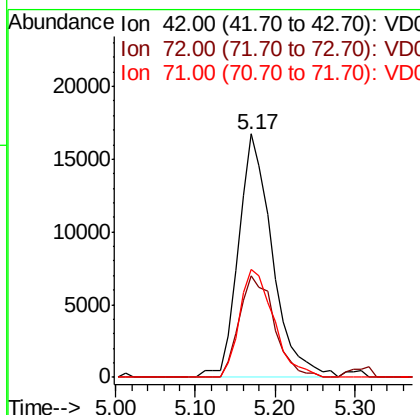
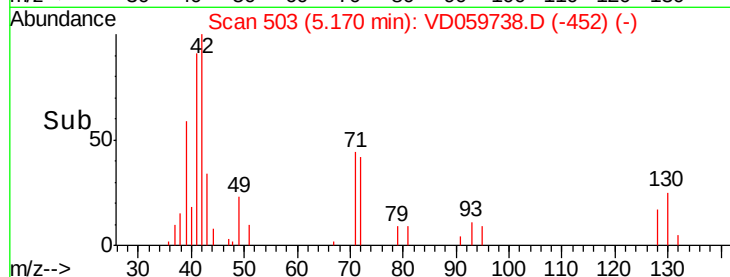
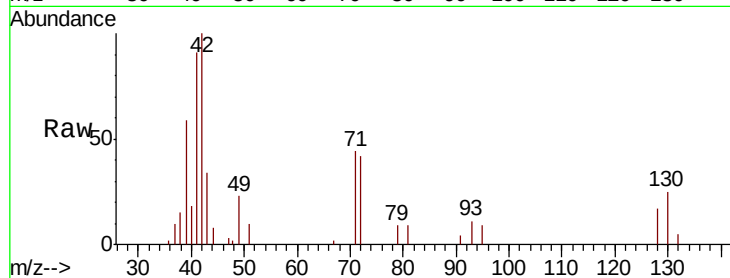
#29
Tetrahydrofuran
Concen: 272.44 ug/l
RT: 5.17 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	35.3	52.9
71	44.6	37.1	55.7

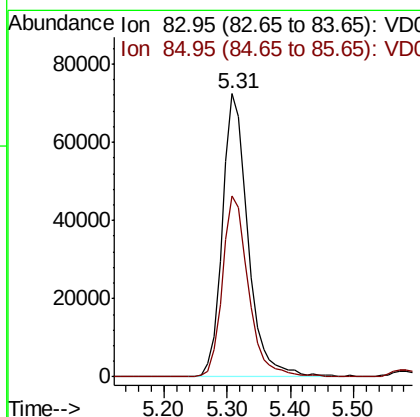
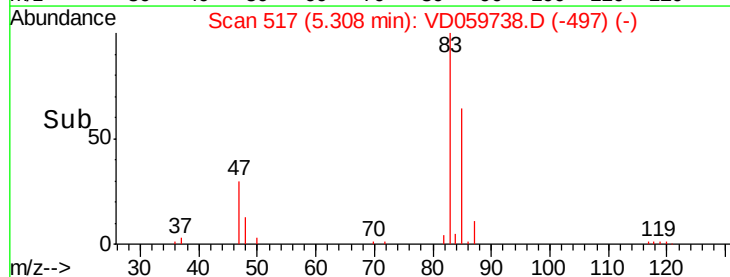
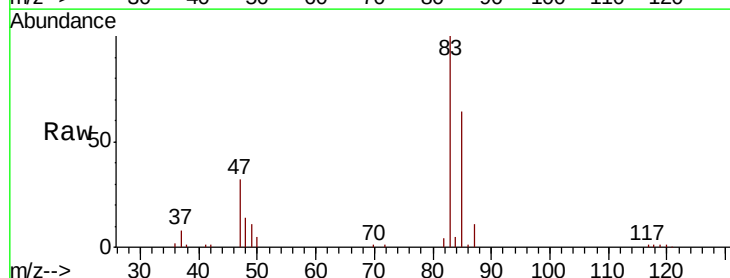
Manual Integrations
APPROVED

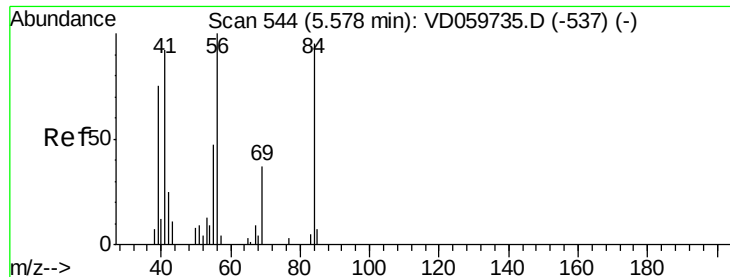
apatel
8/13/2018 12:28:47 PM



#30
Chloroform
Concen: 50.54 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.9	79.3





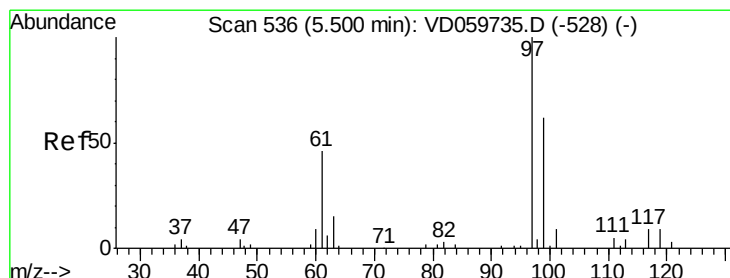
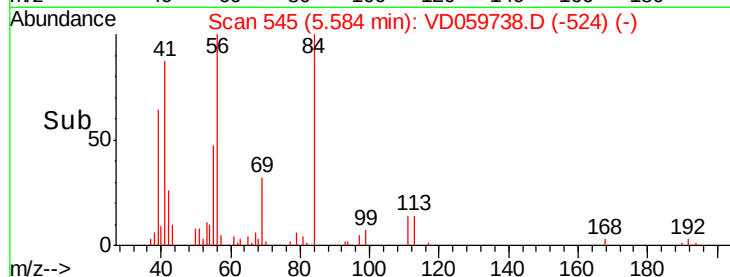
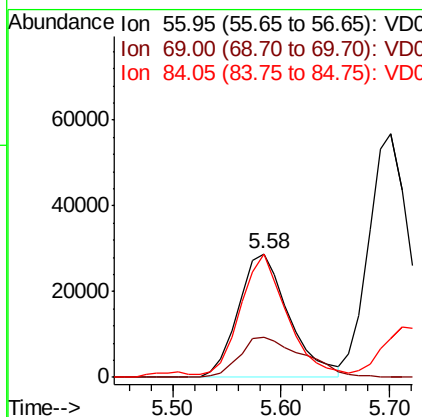
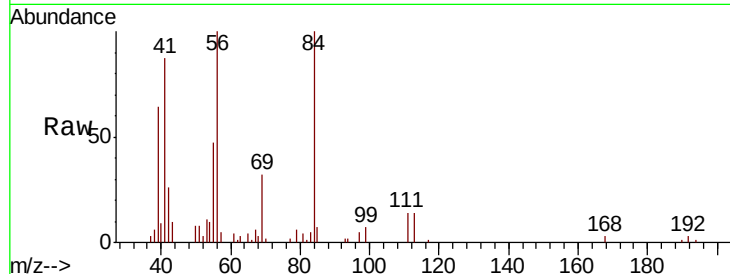
#31
Cyclohexane
Concen: 53.18 ug/l
RT: 5.58 min Scan# 545
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	29.3	43.9
84	100.0	76.2	114.2

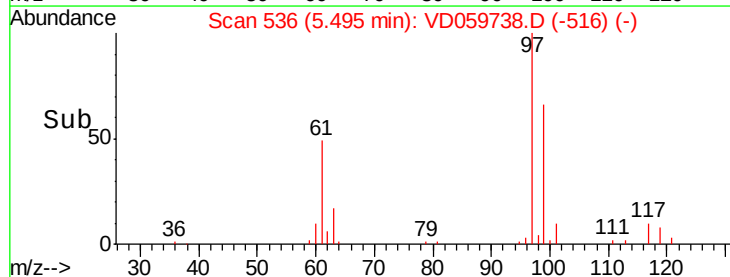
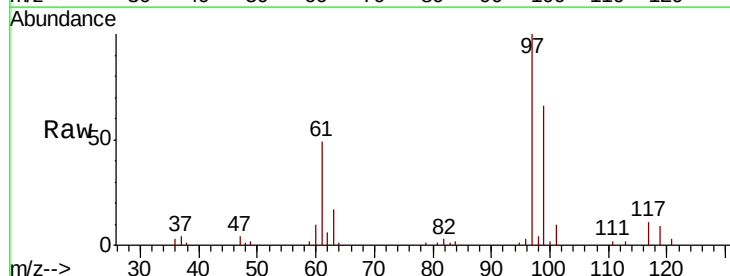
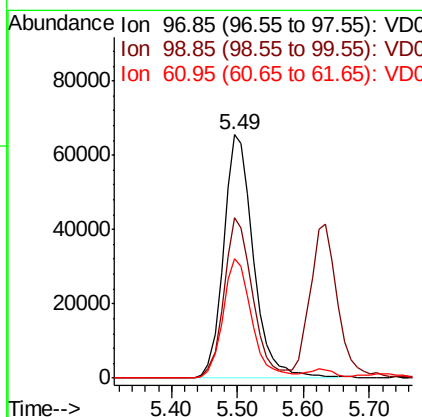
Manual Integrations
APPROVED

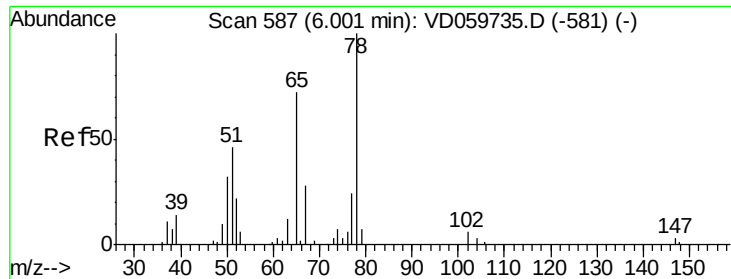
apatel
8/13/2018 12:28:47 PM



#32
1,1,1-Trichloroethane
Concen: 49.61 ug/l
RT: 5.49 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	49.8	74.6
61	49.2	37.0	55.4





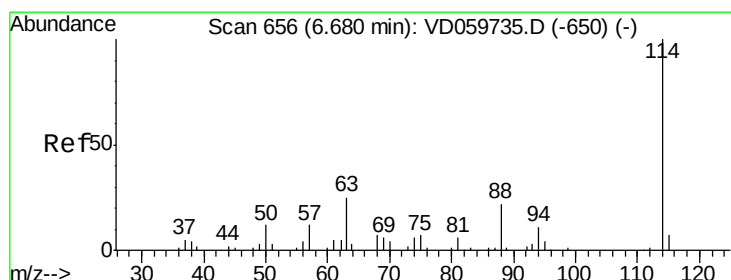
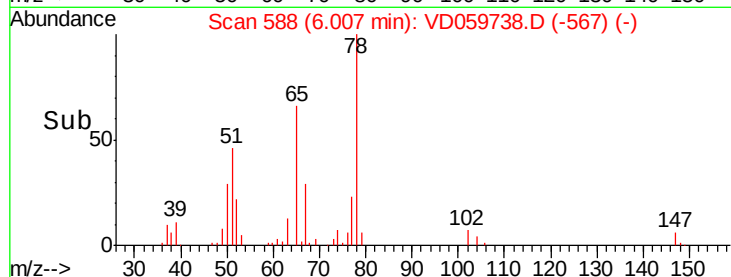
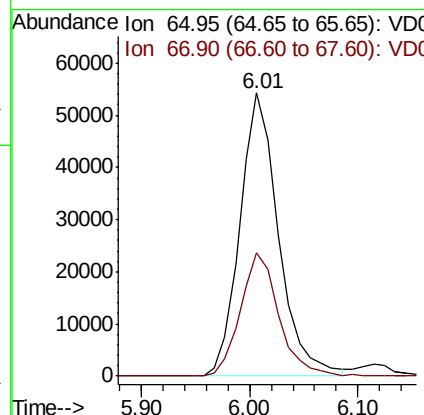
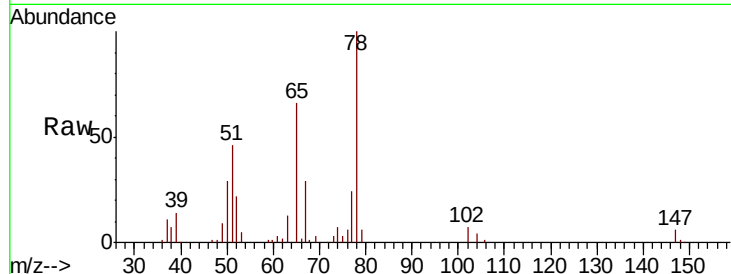
#33
 1,2-Dichloroethane-d4
 Concen: 49.61 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081018

Tot Ion	Ratio	Lower	Upper
65	100		
67	43.5	0.0	77.4

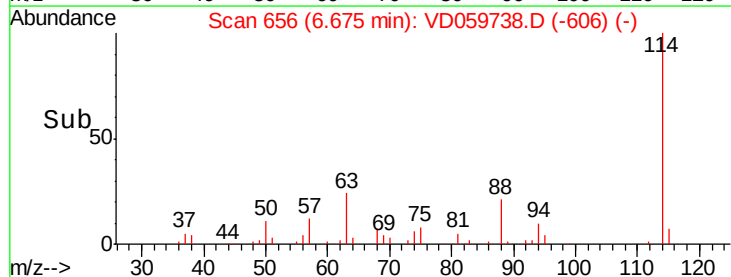
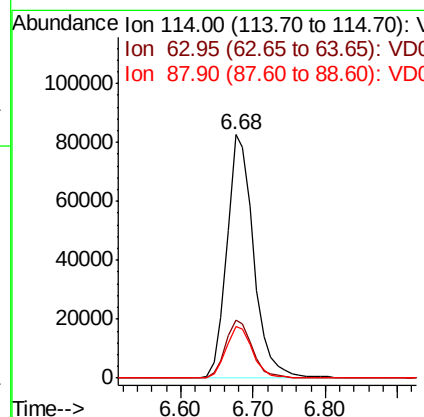
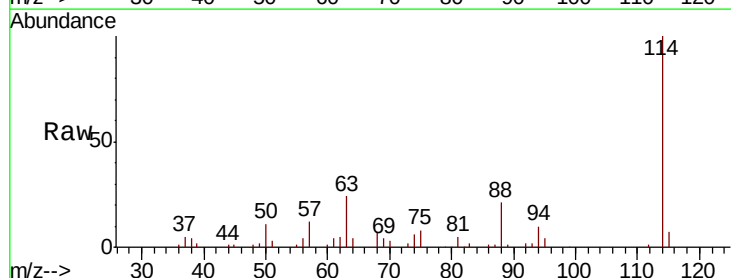
Manual Integrations
 APPROVED

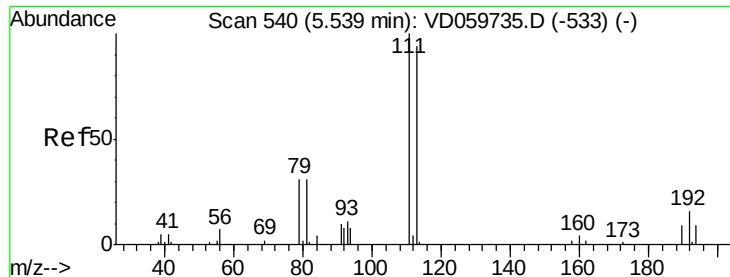
apatel
 8/13/2018 12:28:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	50.6
88	21.4	0.0	43.4





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.53 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

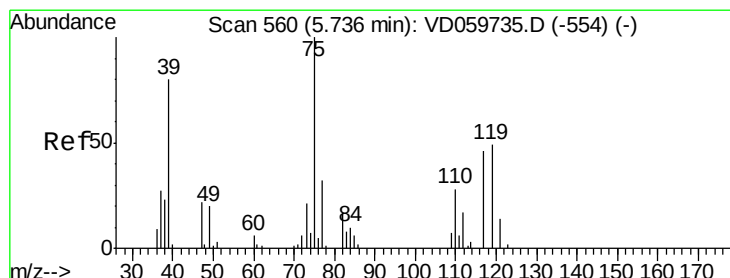
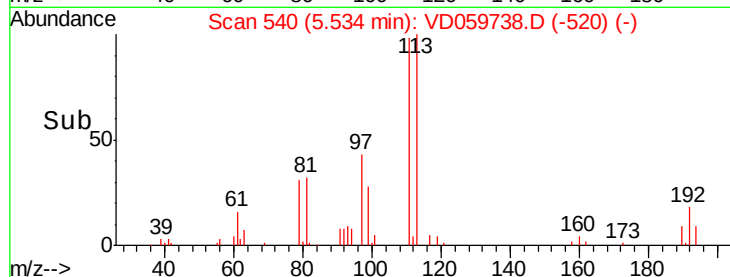
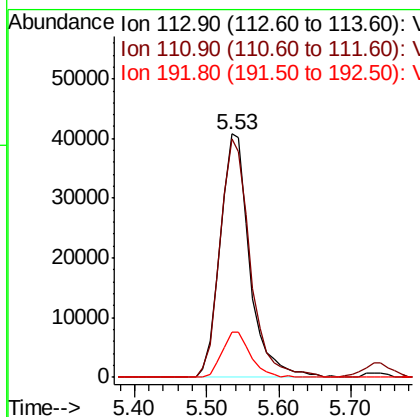
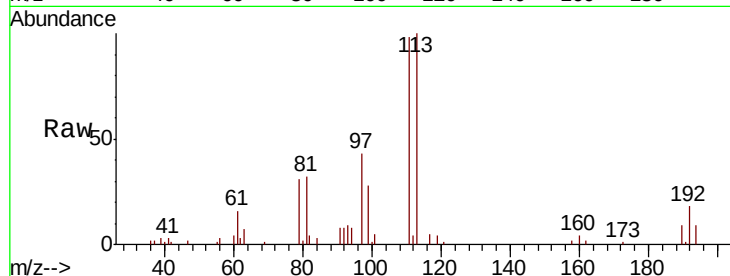
ClientSampleID :

ICVVD081018

Tot Ion:	113	Resp:	115088
Ion Ratio	Lower	Upper	
113	100		
111	98.2	85.3	127.9
192	18.4	13.9	20.9

Manual Integrations
APPROVED

apatel
8/13/2018 12:28:47 PM



#36

1,1-Dichloropropene

Concen: 52.02 ug/l

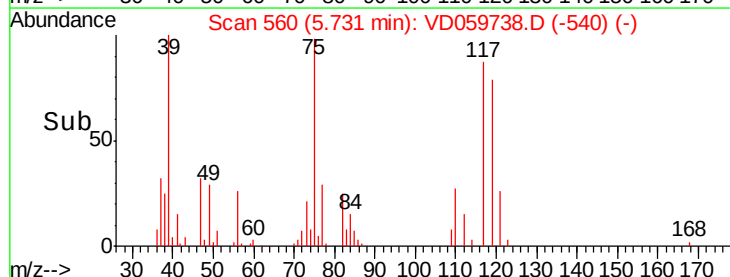
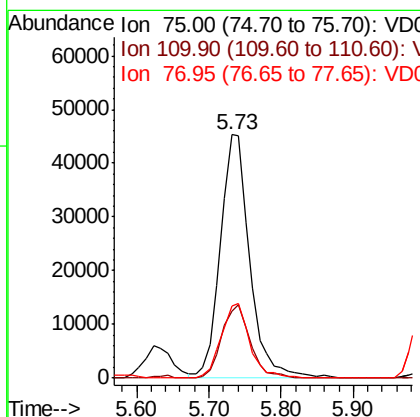
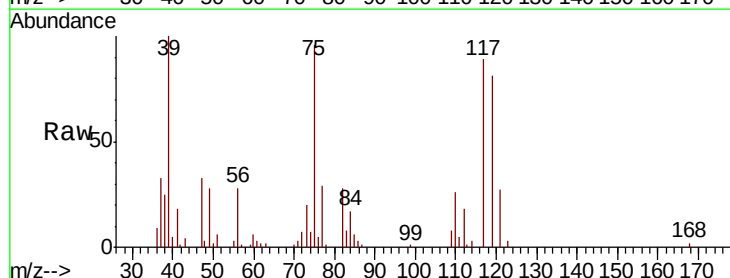
RT: 5.73 min Scan# 560

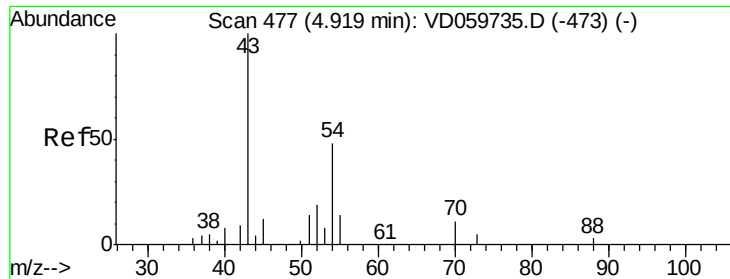
Delta R.T. -0.00 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Tgt Ion:	75	Resp:	127754
Ion Ratio	Lower	Upper	
75	100		
110	27.6	13.7	41.0
77	29.7	25.4	38.2





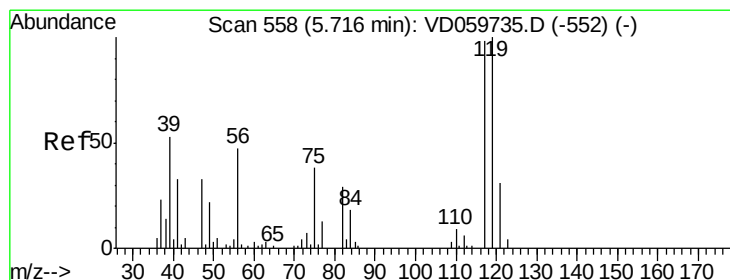
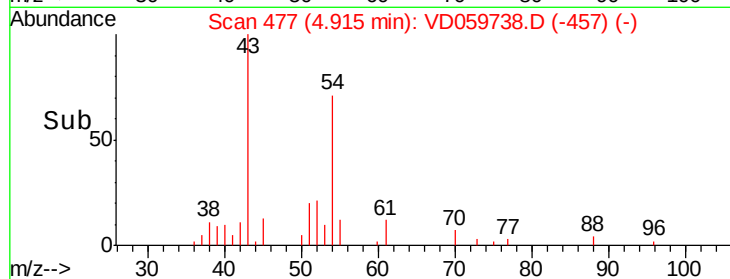
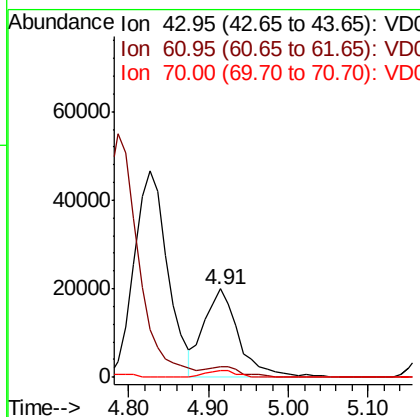
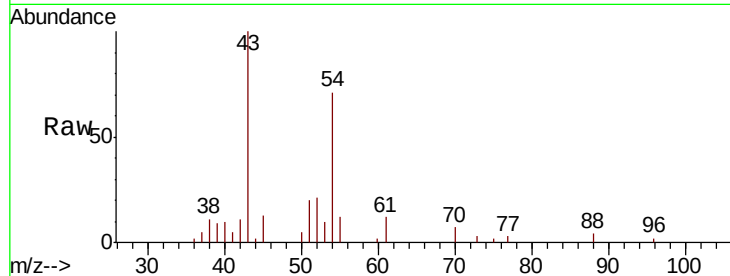
#37
Ethyl Acetate
Concen: 56.64 ug/l
RT: 4.91 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	7.4	11.0#
70	7.3	5.8	8.8

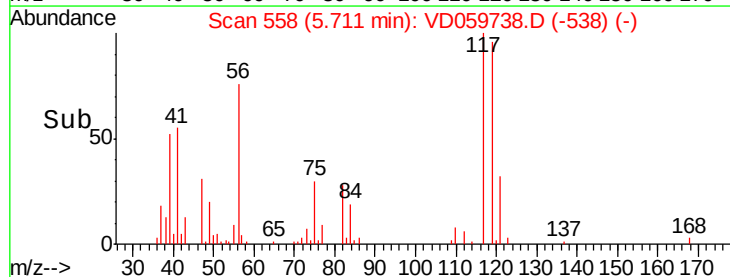
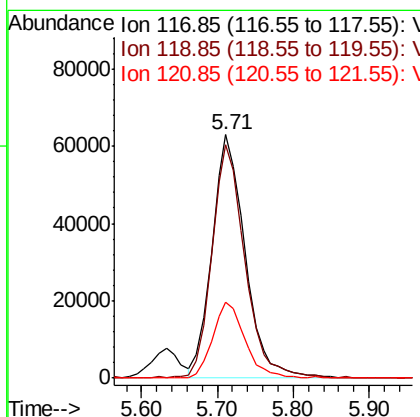
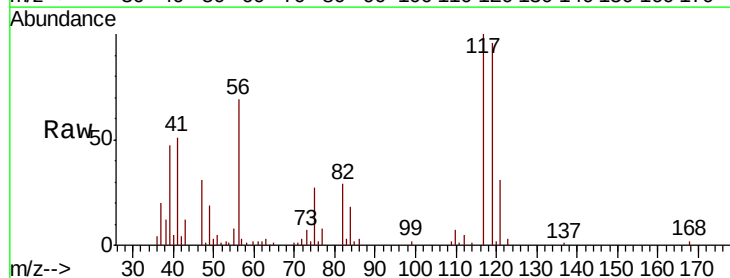
Manual Integrations
APPROVED

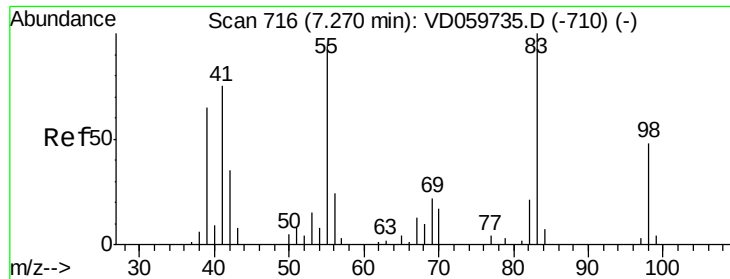
apatel
8/13/2018 12:28:47 PM



#38
Carbon Tetrachloride
Concen: 49.64 ug/l
RT: 5.71 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.2	117.2
121	31.4	23.9	35.9





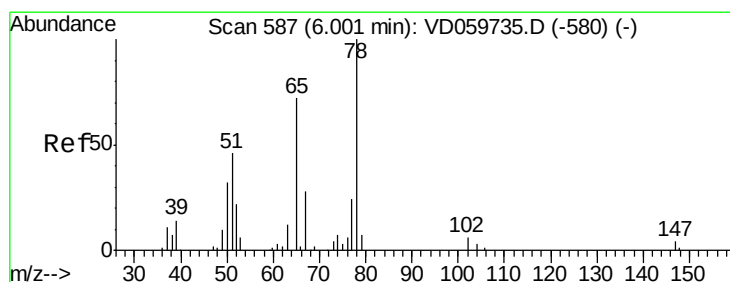
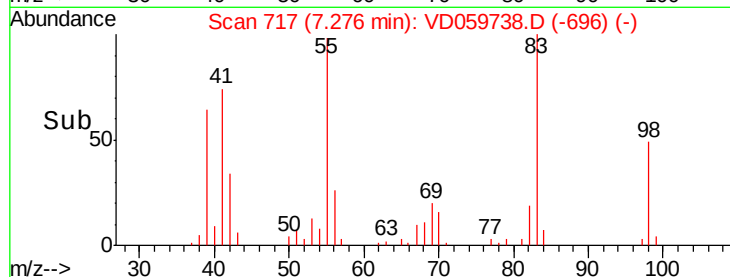
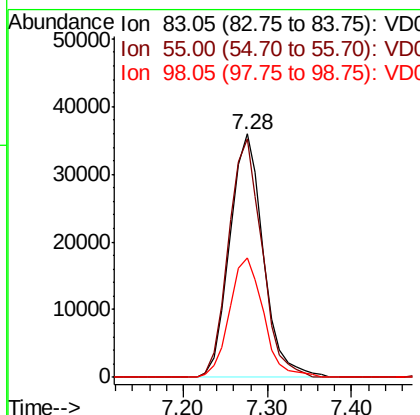
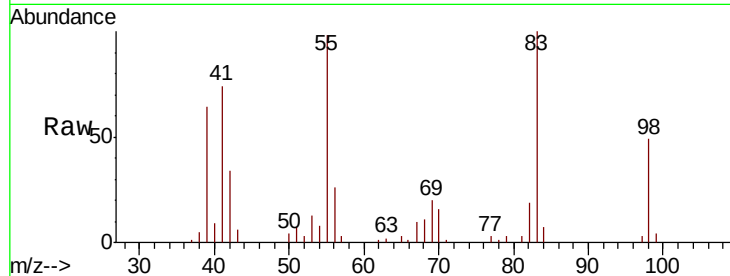
#39
Methylvlcyclohexane
Concen: 54.59 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.0	75.1	112.7
98	49.0	38.7	58.1

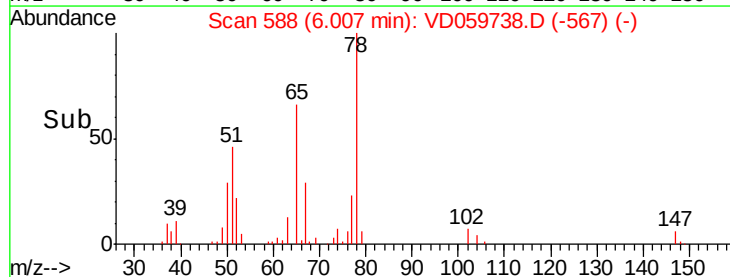
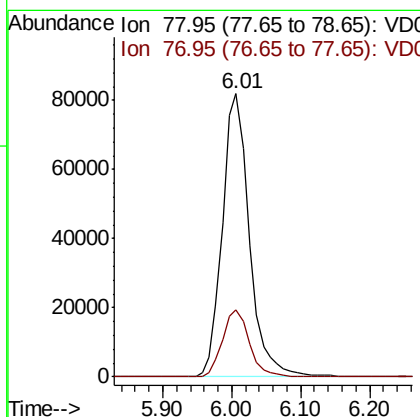
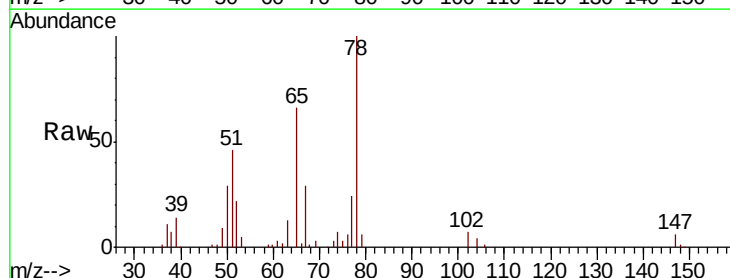
Manual Integrations
APPROVED

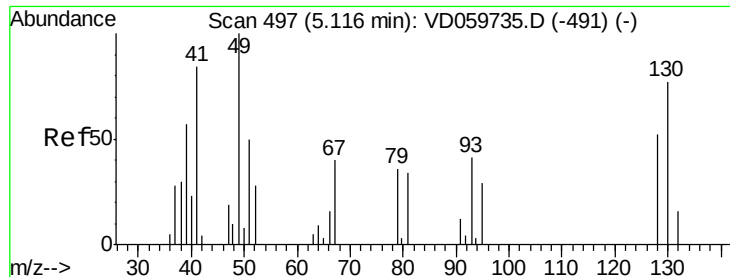
apatel
8/13/2018 12:28:47 PM



#40
Benzene
Concen: 52.27 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





#41

Methacrylonitrile

Concen: 56.41 ug/l

RT: 5.11 min Scan# 497

Delta R.T. -0.00 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

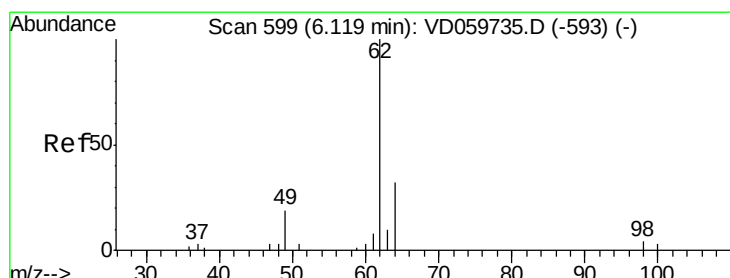
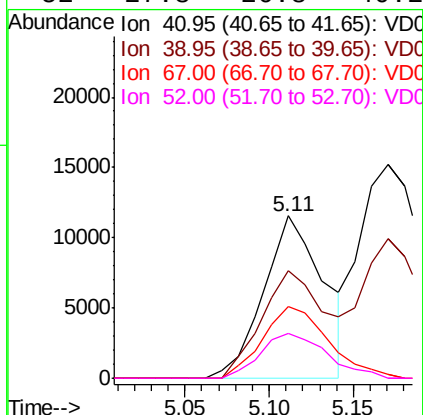
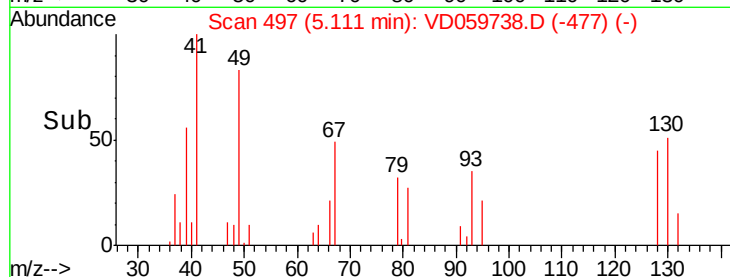
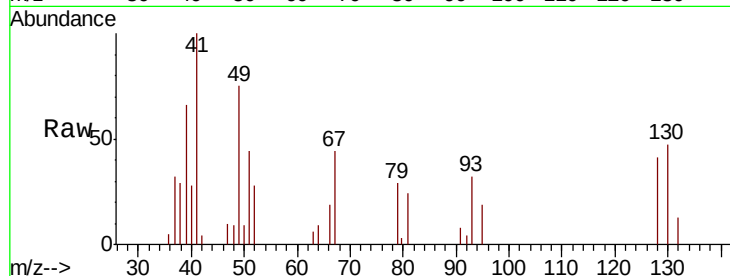
ClientSampled :

ICVVD081018

Tot Ion:	41	Resp:	28642
Ion Ratio	Lower	Upper	
41	100		
39	66.2	54.3	81.5
67	44.5	38.2	57.2
52	27.8	26.8	40.2

Manual Integrations
APPROVED

apatel
8/13/2018 12:28:47 PM



#42

1,2-Dichloroethane

Concen: 50.69 ug/l

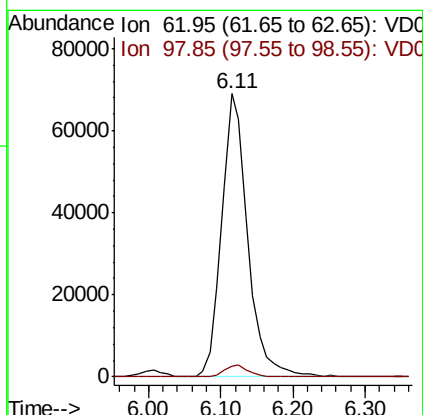
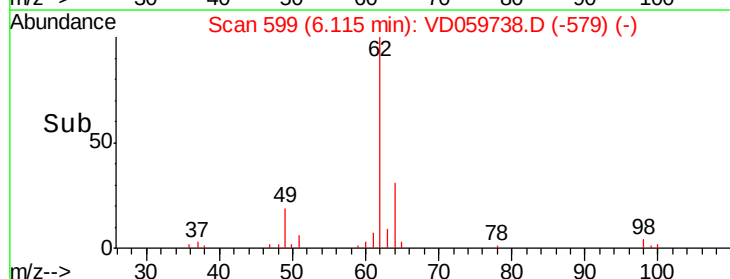
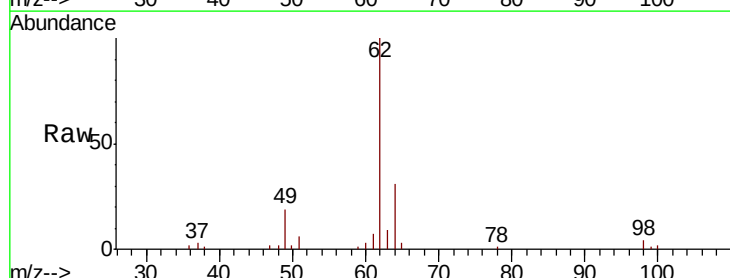
RT: 6.11 min Scan# 599

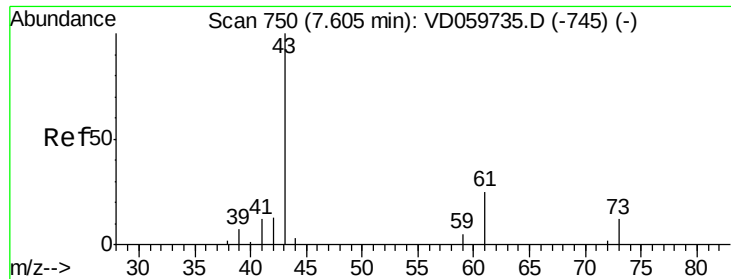
Delta R.T. -0.00 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Tgt Ion:	62	Resp:	172012
Ion Ratio	Lower	Upper	
62	100		
98	3.9	0.0	8.2





#43

Isopropyl Acetate

Concen: 53.03 ug/l

RT: 7.61 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

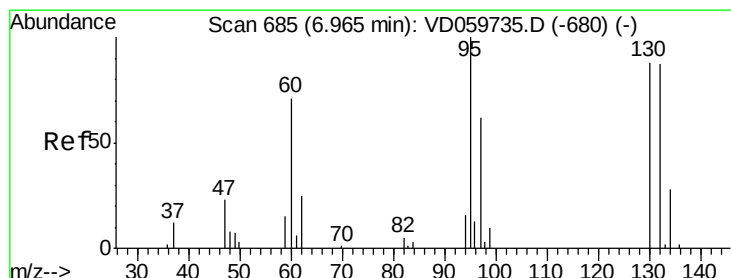
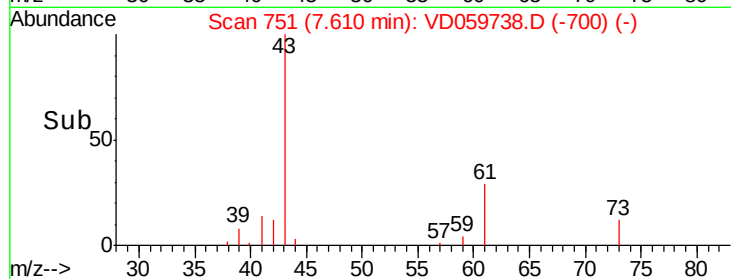
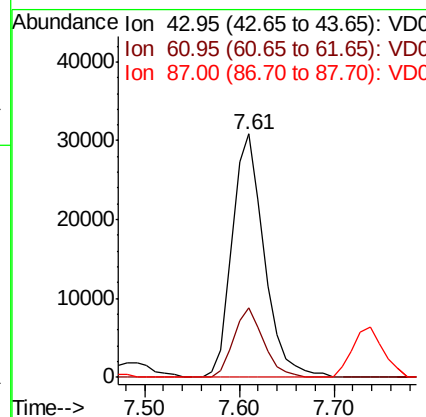
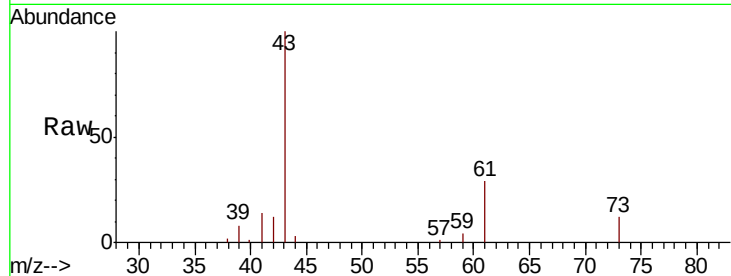
ClientSampleId :

ICVVD081018

Tot Ion:	43	Resp:	72158
Ion	Ratio	Lower	Upper
43	100		
61	28.7	19.8	29.8
87	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
8/13/2018 12:28:47 PM



#44

Trichloroethene

Concen: 52.66 ug/l

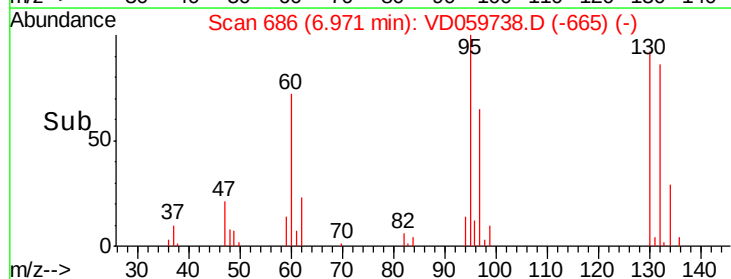
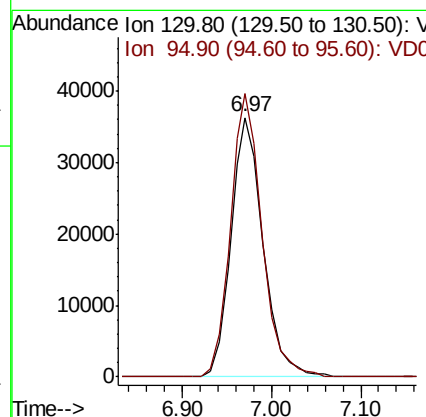
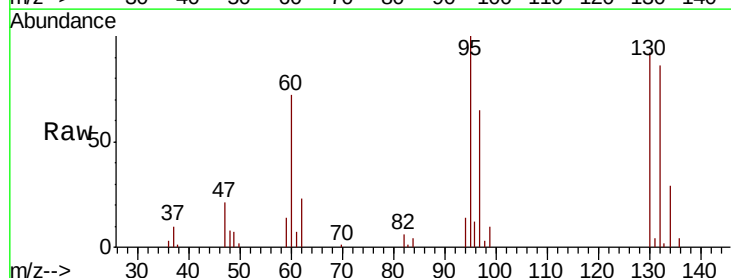
RT: 6.97 min Scan# 686

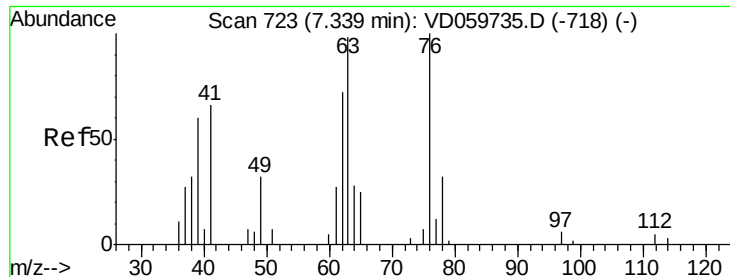
Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Tgt Ion:	130	Resp:	90889
Ion	Ratio	Lower	Upper
130	100		
95	109.0	0.0	226.4





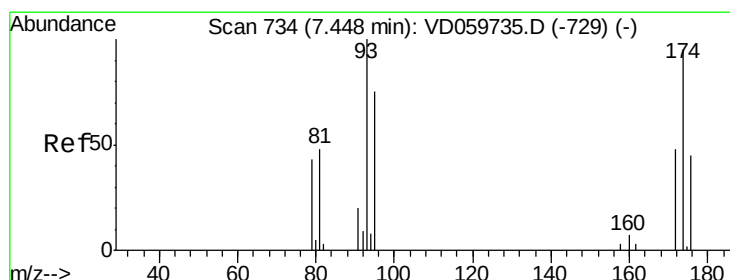
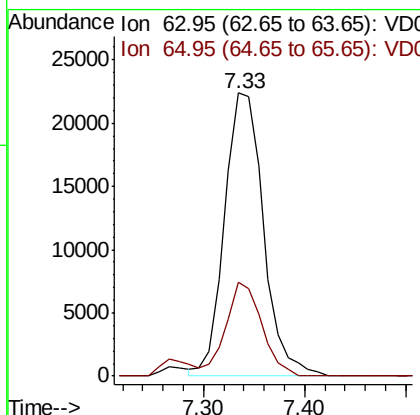
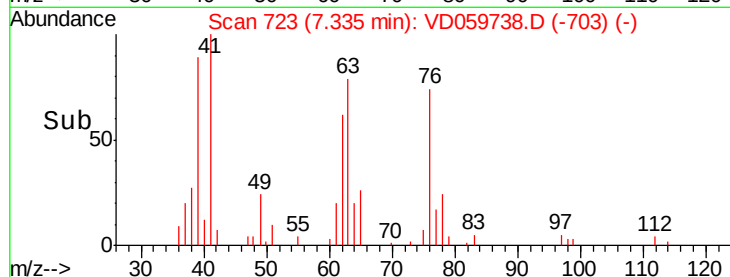
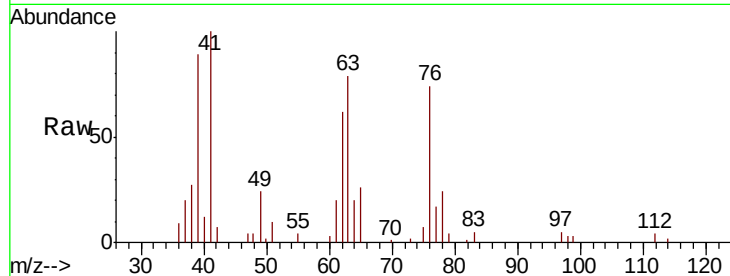
#45
 1,2-Dichloropropane
 Concen: 55.24 ug/l
 RT: 7.33 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081018

Tot Ion: 63 Resp: 60211
 Ion Ratio Lower Upper
 63 100
 65 33.1 23.0 34.4

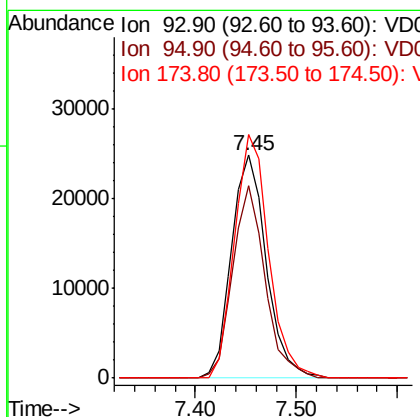
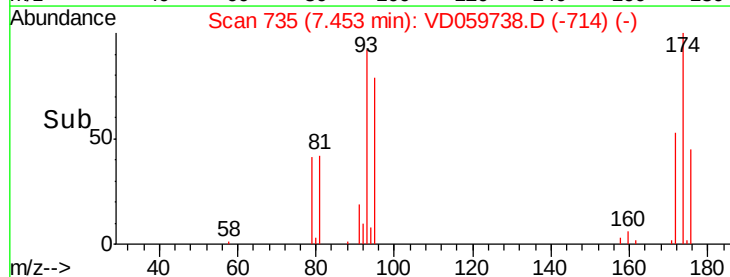
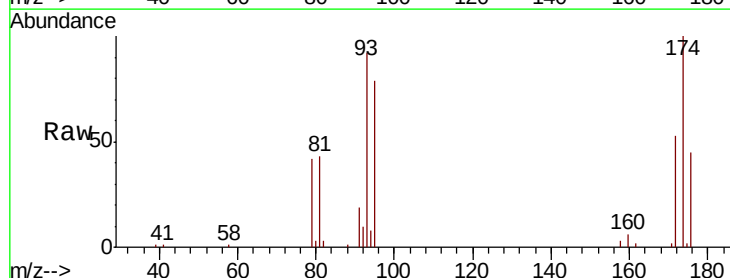
Manual Integrations
 APPROVED

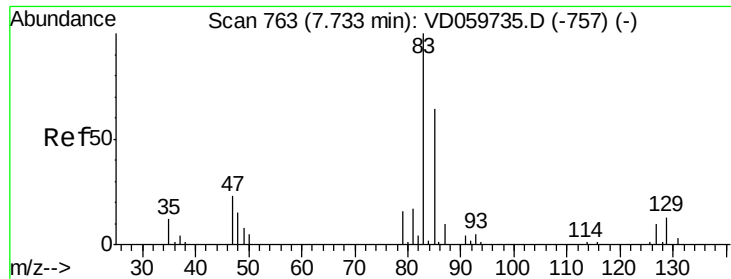
apatel
 8/13/2018 12:28:47 PM



#46
 Dibromomethane
 Concen: 51.31 ug/l
 RT: 7.45 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Tgt Ion: 93 Resp: 59397
 Ion Ratio Lower Upper
 93 100
 95 86.2 60.2 90.2
 174 109.3 75.6 113.4





#47

Bromodichloromethane

Concen: 48.88 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

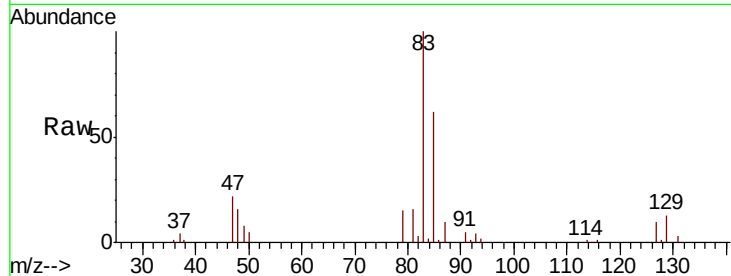
ClientSampleId :

ICVVD081018

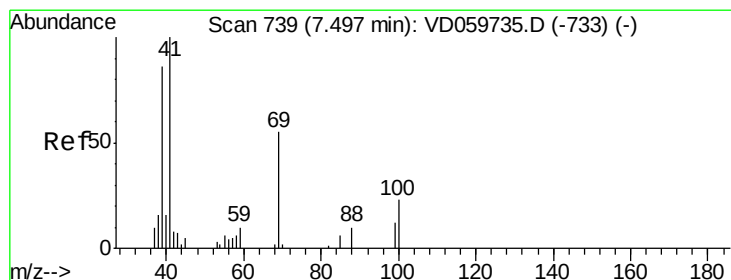
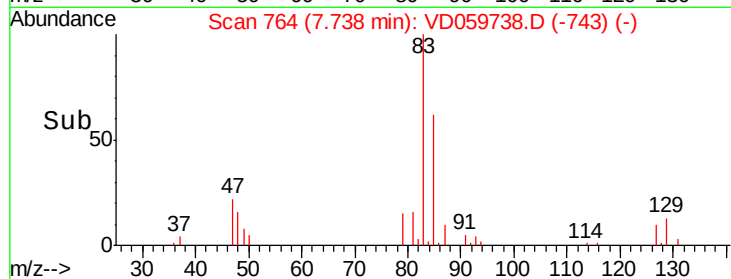
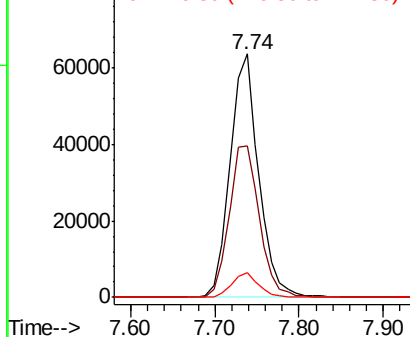
Tot Ion:	83	Resp:	149511
Ion Ratio	Lower	Upper	
83	100		
85	62.0	51.6	77.4
127	10.0	7.7	11.5

Manual Integrations
APPROVED

apatel
8/13/2018 12:28:47 PM



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



#48

Methyl methacrylate

Concen: 56.47 ug/l

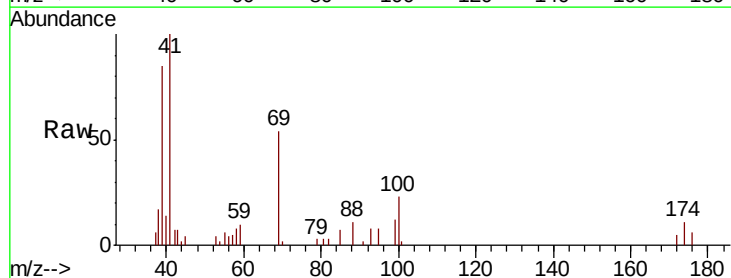
RT: 7.49 min Scan# 739

Delta R.T. -0.00 min

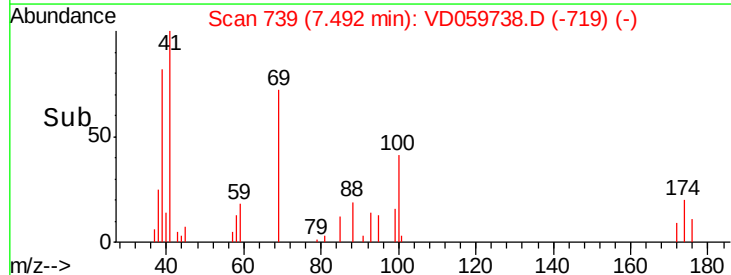
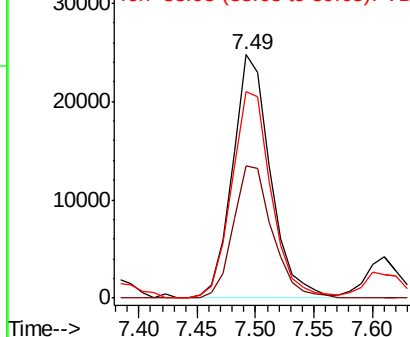
Lab File: VD059738.D

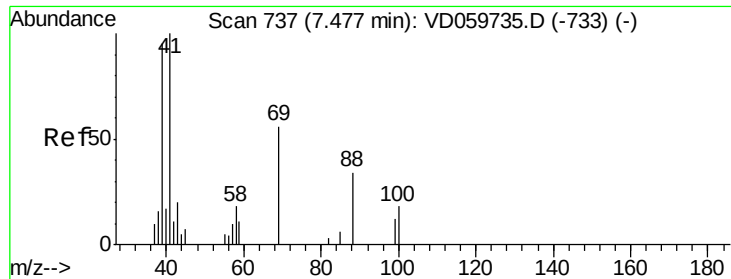
Acq: 10 Aug 2018 20:03

Tgt Ion:	41	Resp:	56085
Ion Ratio	Lower	Upper	
41	100		
69	54.2	43.8	65.6
39	84.9	69.1	103.7



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





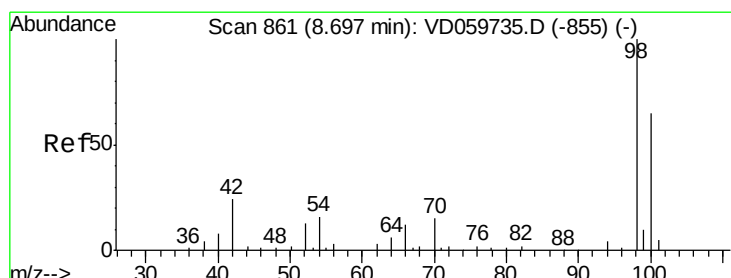
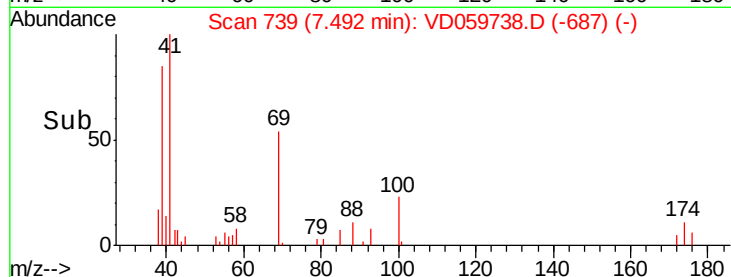
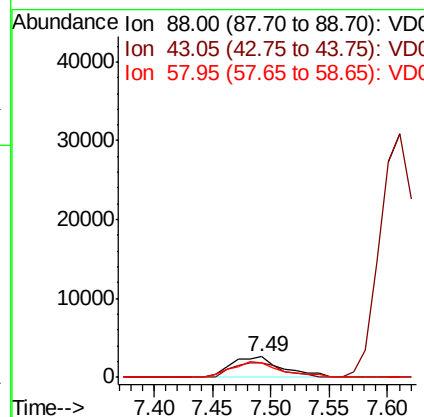
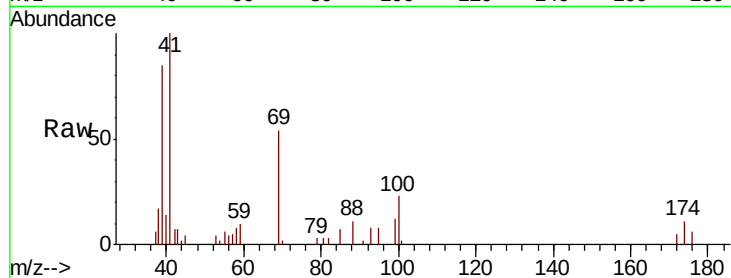
#49
1,4-Dioxane
Concen: 1135.40 ug/l
RT: 7.49 min Scan# 739
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	Ratio	Lower	Upper
88	100		
43	69.5	46.7	70.1
58	71.1	42.1	63.1

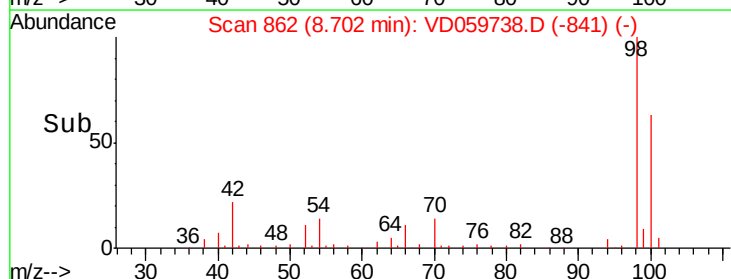
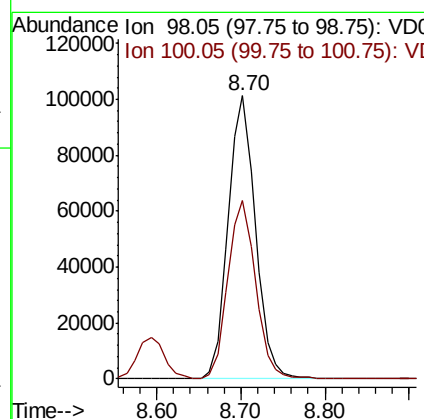
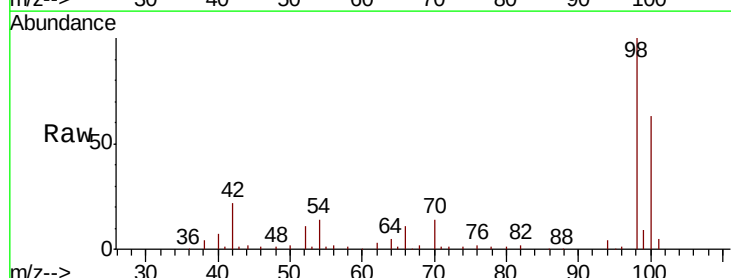
Manual Integrations
APPROVED

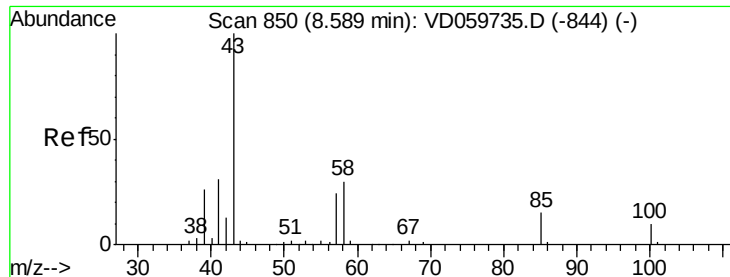
apatel
8/13/2018 12:28:47 PM



#50
Toluene-d8
Concen: 1135.40 ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 299.74 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

ICVVD081018

Tot Ion: 43 Resp: 314403

Ion Ratio Lower Upper

43 100

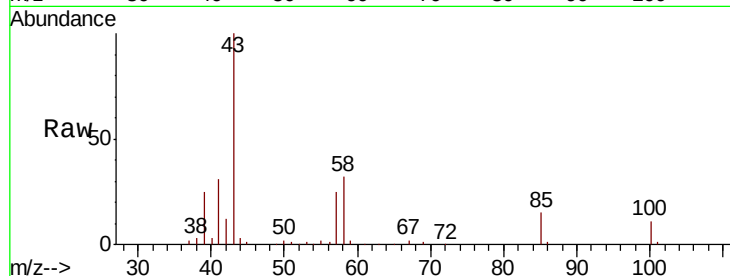
58 31.8 24.3 36.5

Manual Integrations

APPROVED

apatel

8/13/2018 12:28:47 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

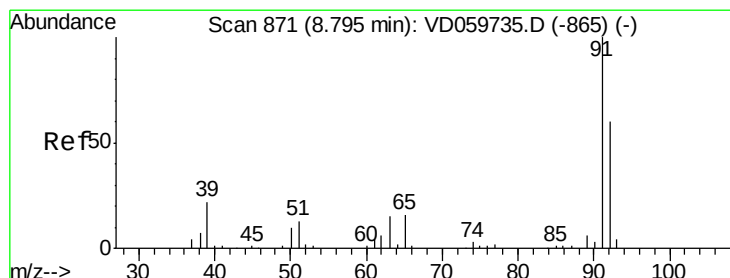
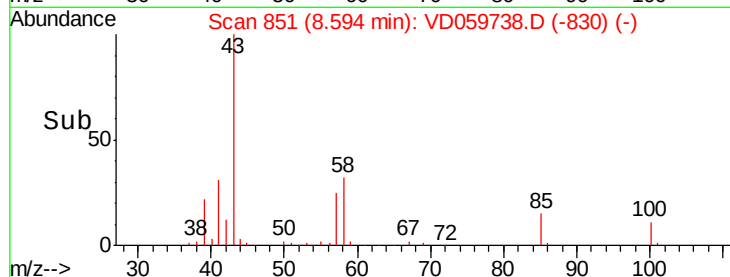
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 54.60 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059738.D

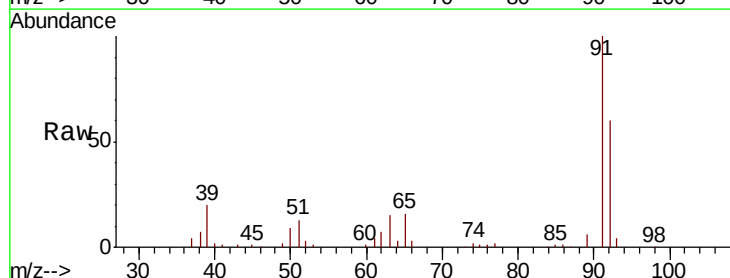
Acq: 10 Aug 2018 20:03

Tgt Ion: 92 Resp: 150242

Ion Ratio Lower Upper

92 100

91 168.0 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.79

120000

100000

80000

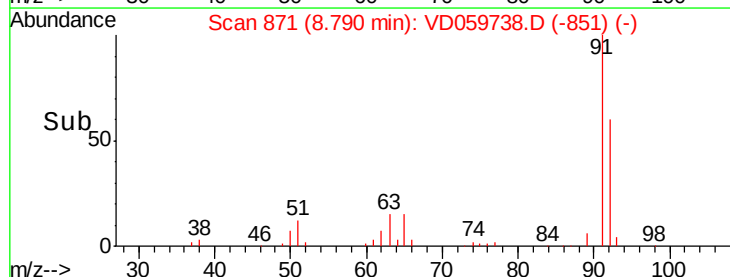
60000

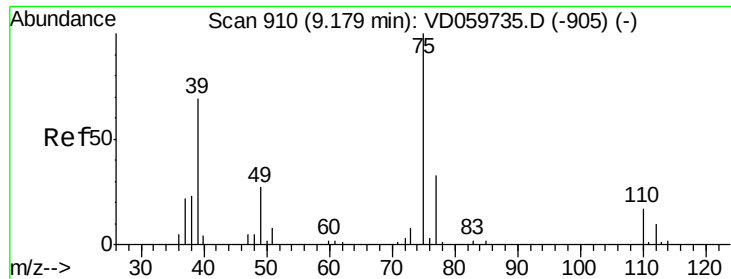
40000

20000

0

Time-->





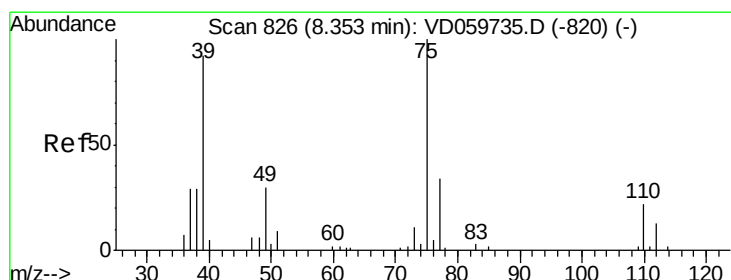
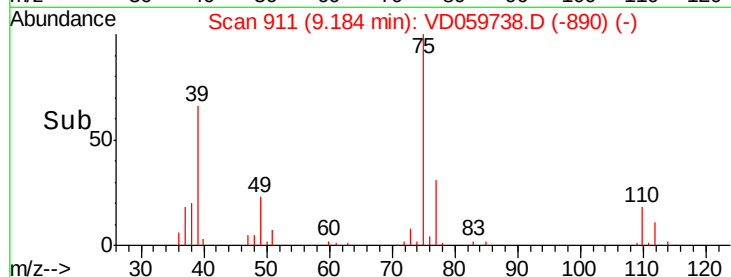
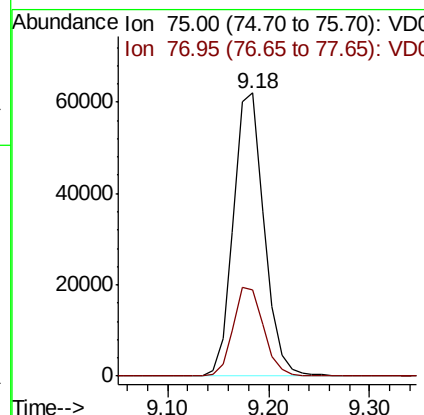
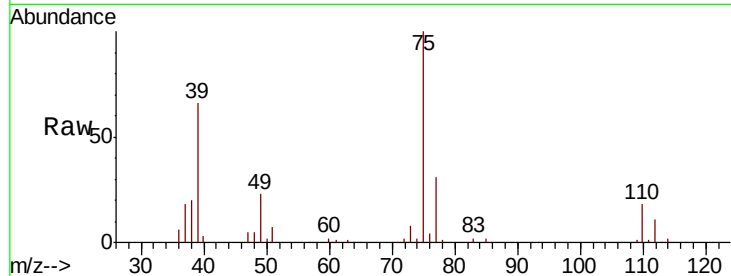
#53
 t-1,3-Dichloropropene
 Concen: 53.20 ug/l
 RT: 9.18 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081018

Tot Ion: 75 Resp: 130755
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.2 39.2

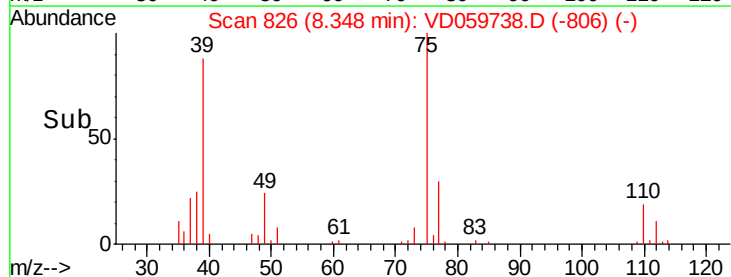
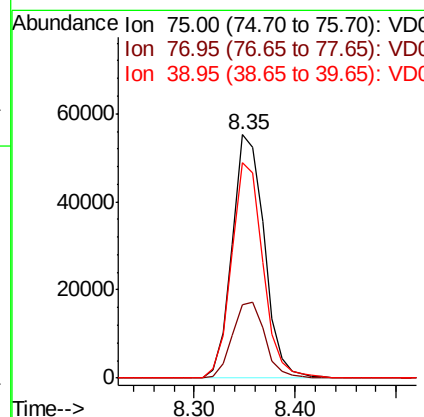
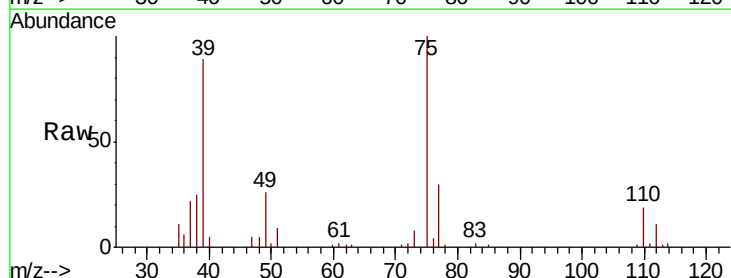
Manual Integrations
 APPROVED

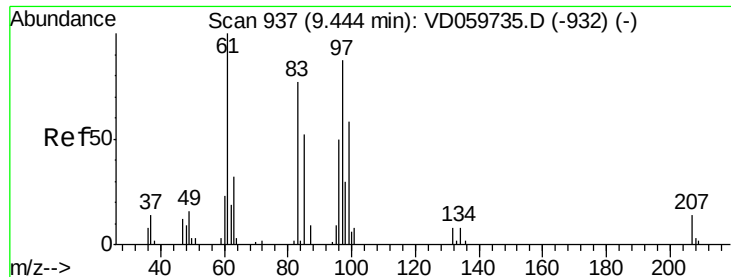
apatel
 8/13/2018 12:28:47 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.77 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Tgt Ion: 75 Resp: 122122
 Ion Ratio Lower Upper
 75 100
 77 30.1 27.2 40.8
 39 88.7 73.8 110.8





#55

1,1,2-Trichloroethane

Concen: 51.35 ug/l

RT: 9.45 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

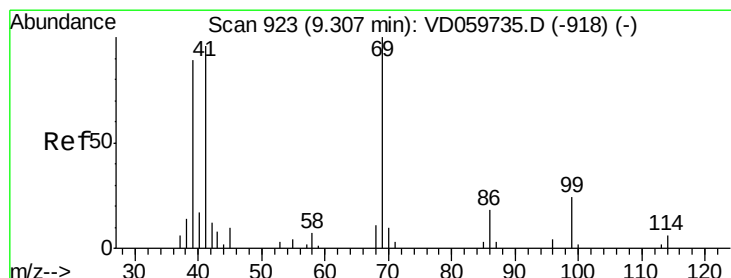
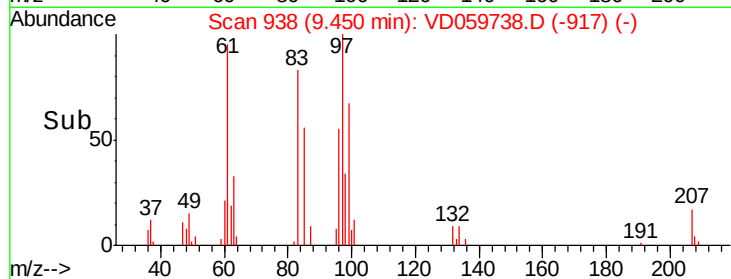
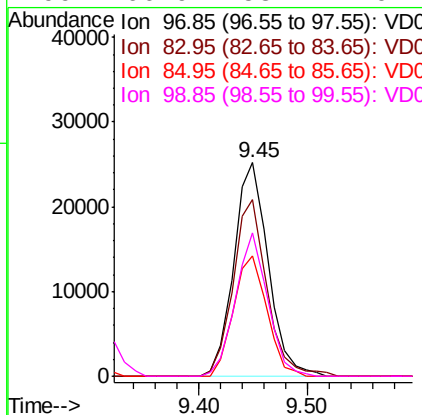
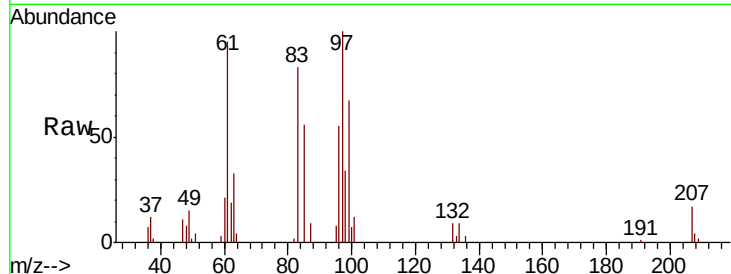
ClientSampleId :

ICVVD081018

Tot Ion	97	Resp	55722
Ion	Ratio	Lower	Upper
97	100		
83	82.9	70.4	105.6
85	56.1	47.6	71.4
99	66.9	53.1	79.7

Manual Integrations
APPROVED

apatel
8/13/2018 12:28:47 PM



#56

Ethyl methacrylate

Concen: 53.94 ug/l

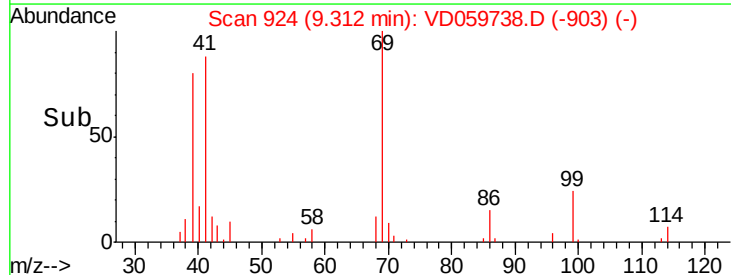
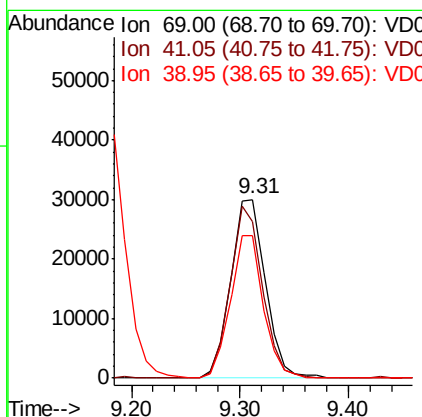
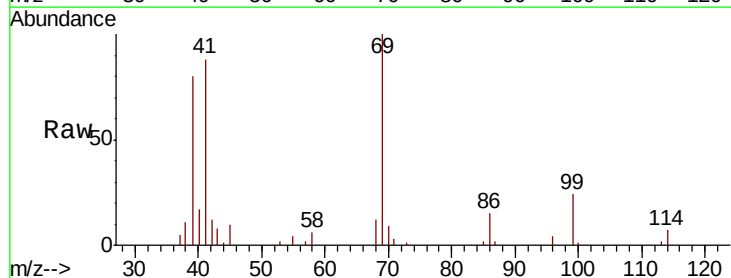
RT: 9.31 min Scan# 924

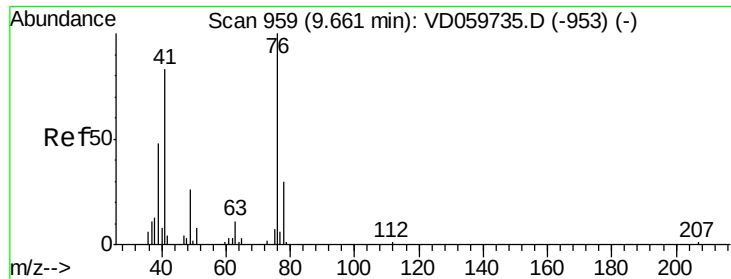
Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Tgt Ion	69	Resp	66702
Ion	Ratio	Lower	Upper
69	100		
41	87.8	76.7	115.1
39	79.6	71.0	106.4





#57

1,3-Dichloropropane

Concen: 49.99 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Tot Ion: 76 Resp: 90298

Ion Ratio Lower Upper

76 100

78 33.1 23.8 35.8

Instrument :

MSVOA_D

ClientSampleId :

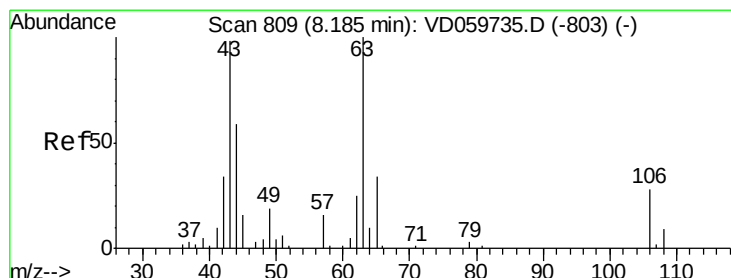
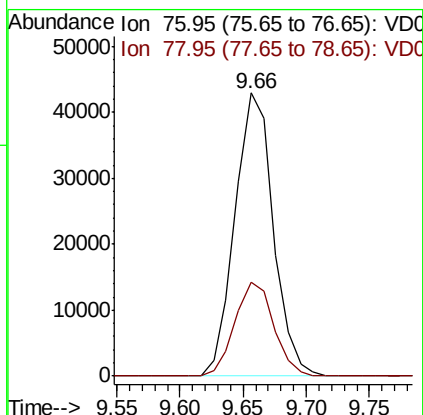
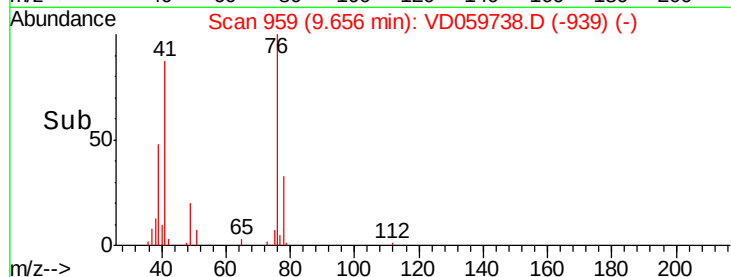
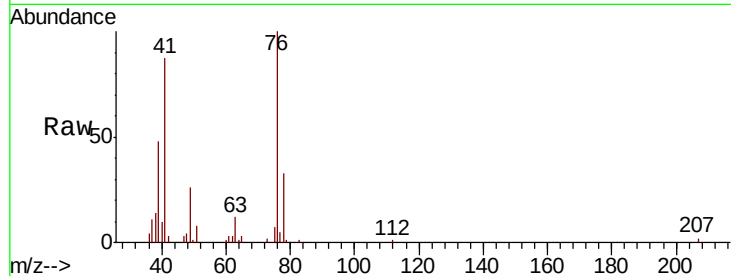
ICVVD081018

Manual Integrations

APPROVED

apatel

8/13/2018 12:28:47 PM



#58

2-Chloroethyl Vinyl ether

Concen: 271.79 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD059738.D

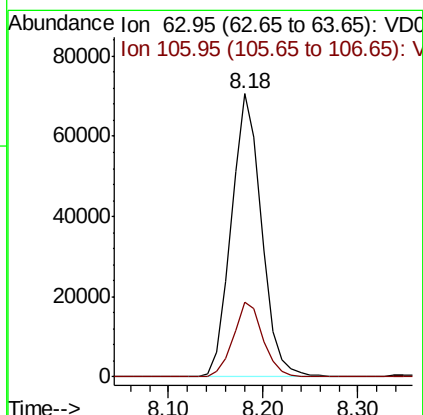
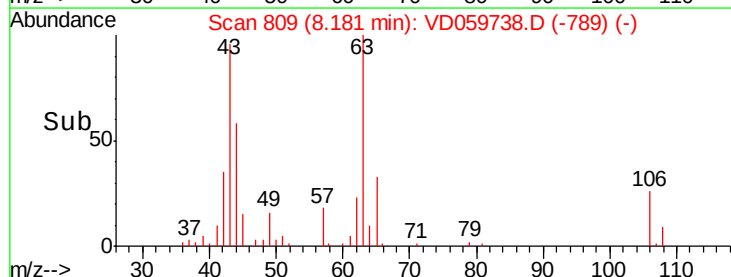
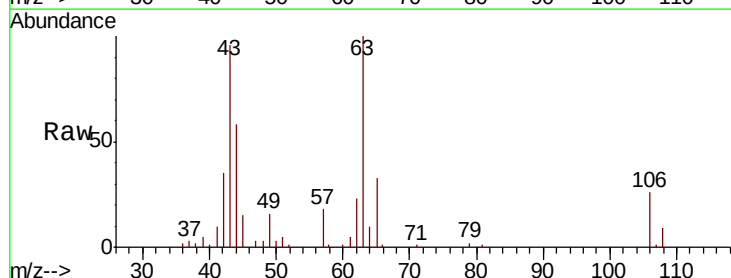
Acq: 10 Aug 2018 20:03

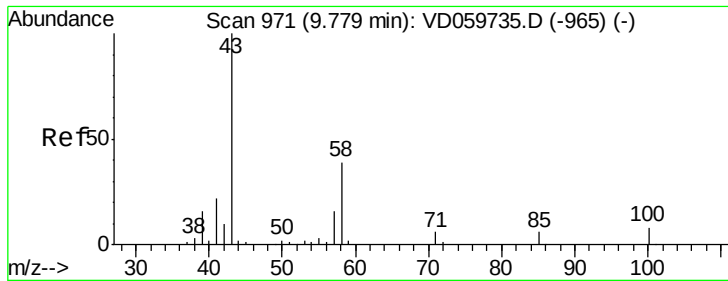
Tgt Ion: 63 Resp: 155654

Ion Ratio Lower Upper

63 100

106 26.3 22.2 33.2





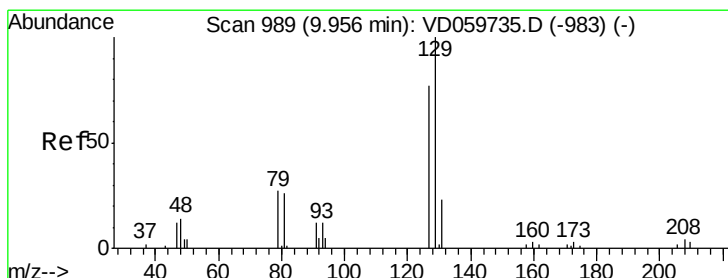
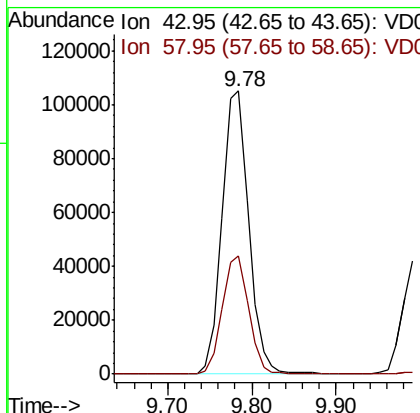
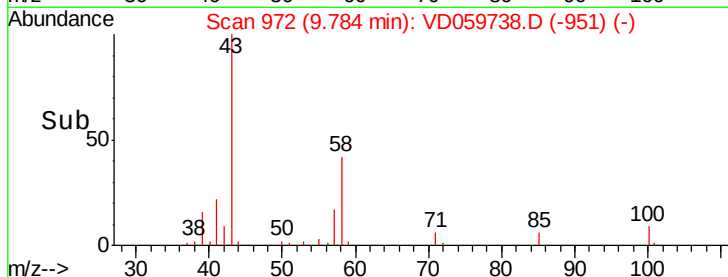
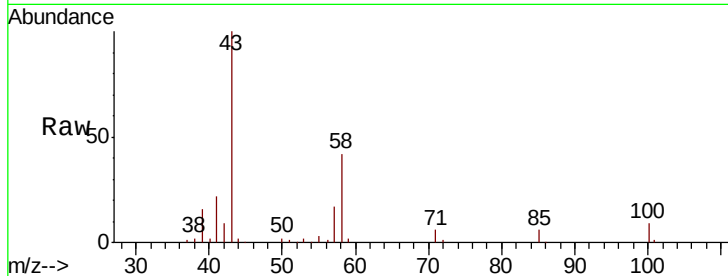
#59
2-Hexanone
Concen: 294.58 ug/l
RT: 9.78 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.6	19.8	59.3

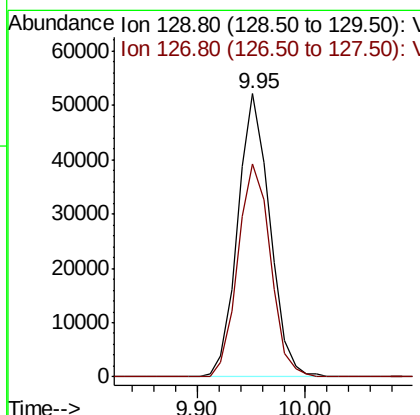
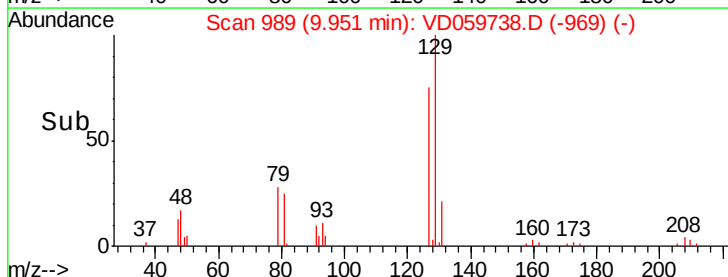
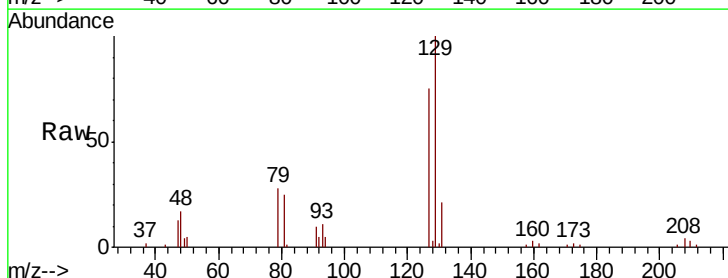
Manual Integrations
APPROVED

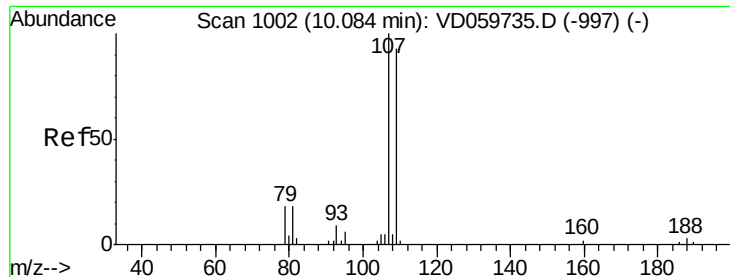
apatel
8/13/2018 12:28:47 PM



#60
Dibromochloromethane
Concen: 51.29 ug/l
RT: 9.95 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.6	115.7





#61

1,2-Dibromoethane

Concen: 52.08 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

ICVVD081018

Tot Ion:107 Resp: 70669

Ion Ratio Lower Upper

107 100

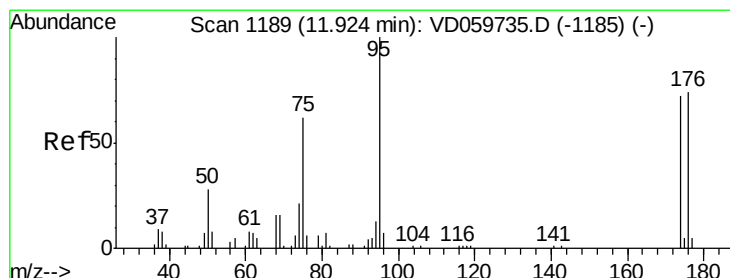
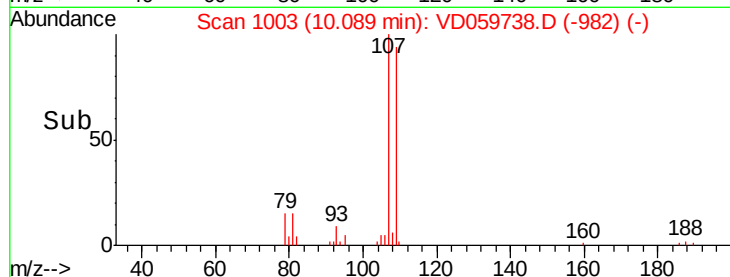
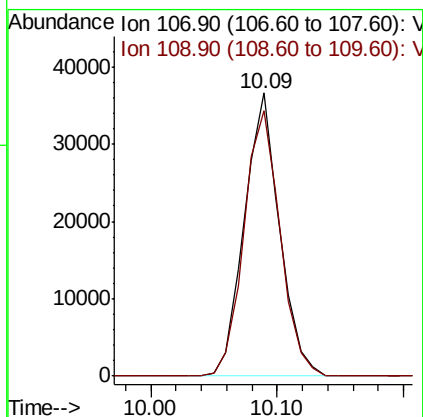
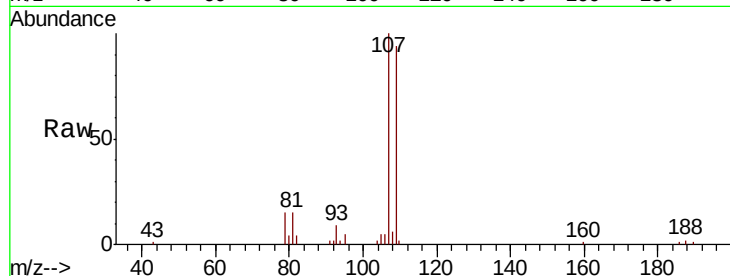
109 94.0 74.3 111.5

Manual Integrations

APPROVED

apatel

8/13/2018 12:28:47 PM



#62

4-Bromofluorobenzene

Concen: 52.08 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

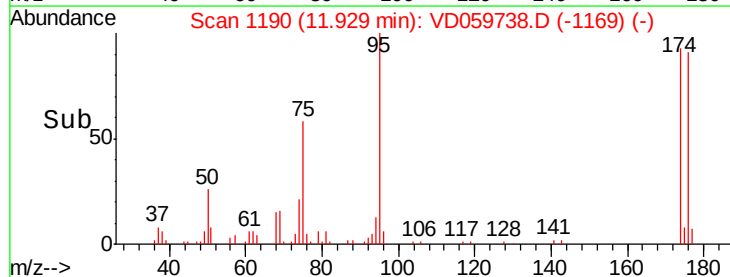
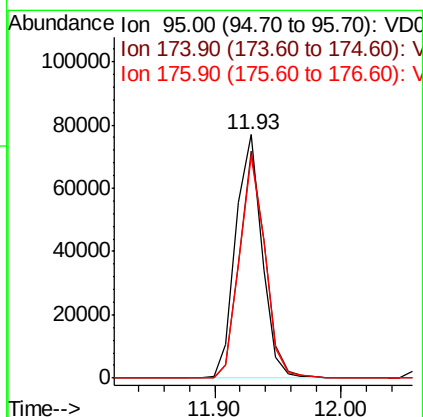
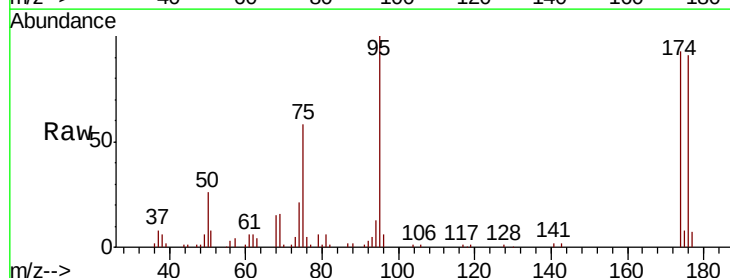
Tgt Ion: 95 Resp: 110123

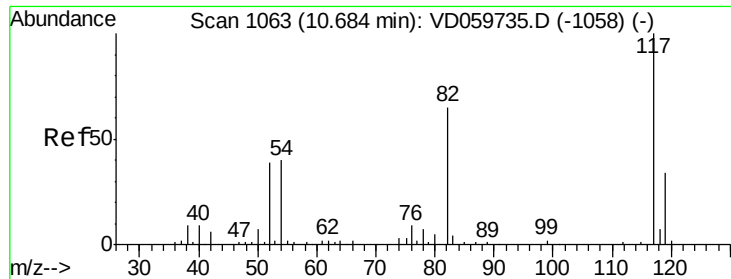
Ion Ratio Lower Upper

95 100

174 93.4 0.0 143.2

176 91.3 0.0 147.2





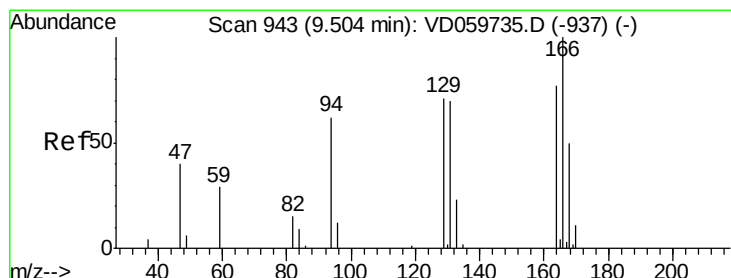
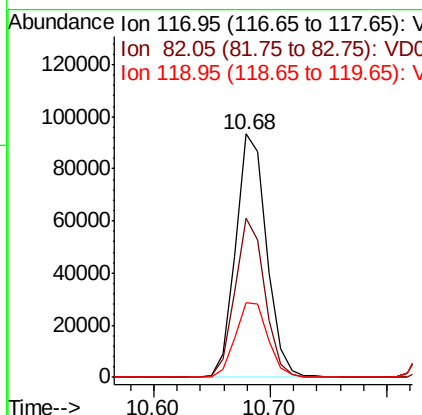
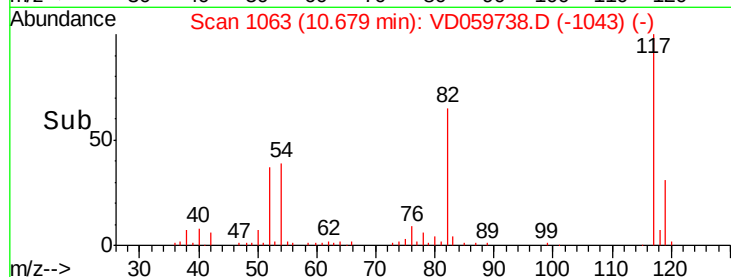
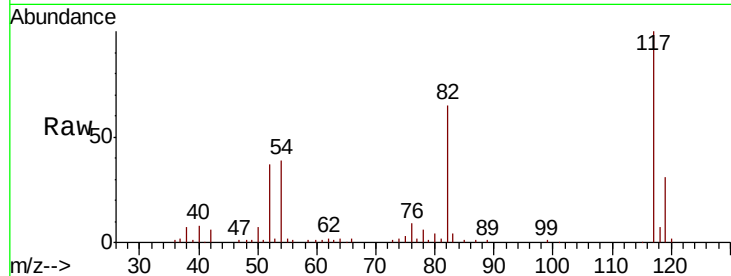
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.3	51.9	77.9
119	30.5	27.4	41.0

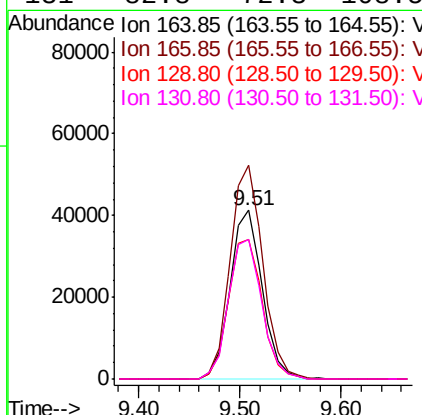
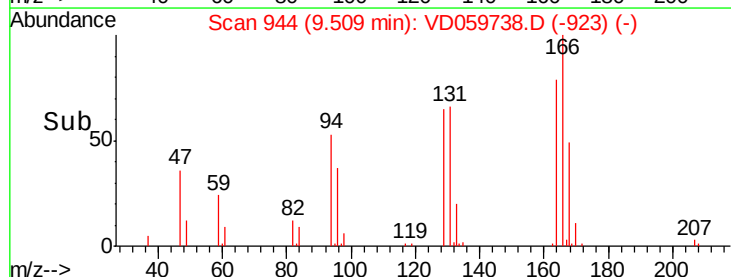
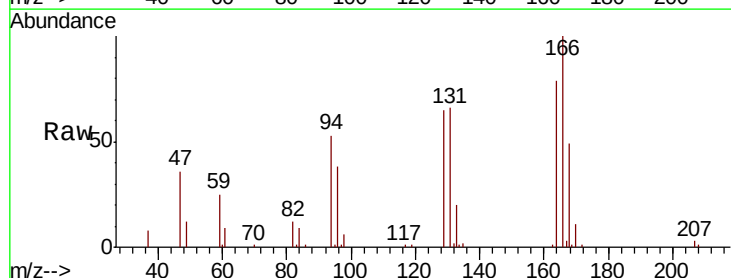
Manual Integrations
APPROVED

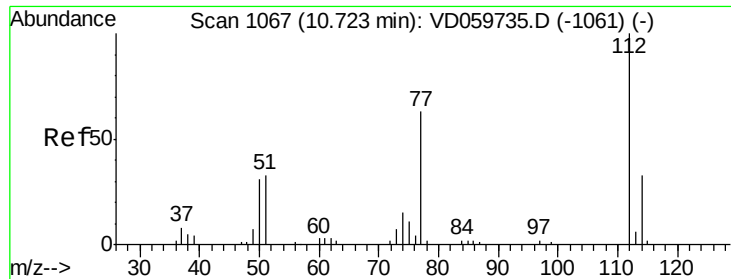
apatel
8/13/2018 12:28:47 PM



#64
Tetrachloroethene
Concen: 54.01 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.5	155.3
129	82.7	73.5	110.3
131	82.8	72.3	108.5





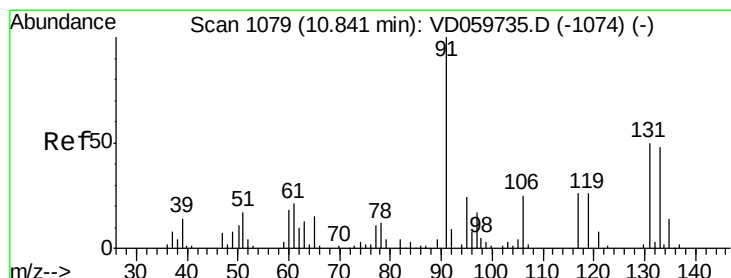
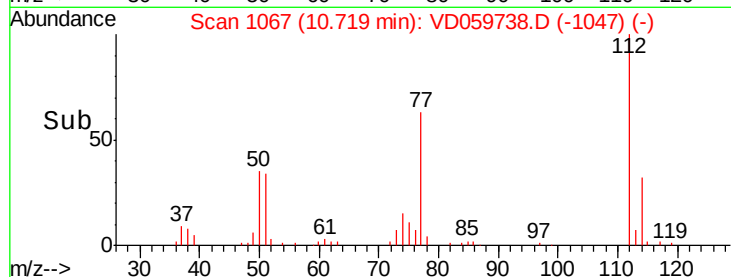
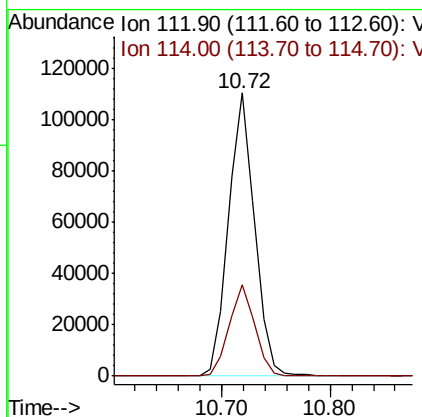
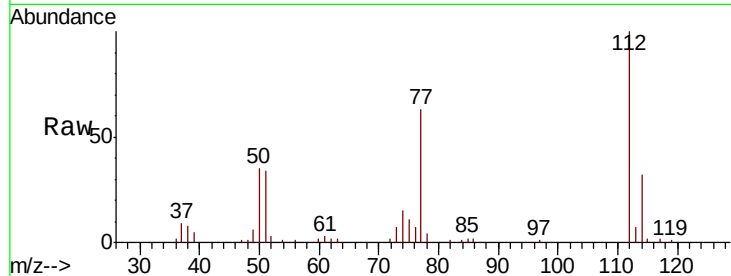
#65
Chlorobenzene
Concen: 52.98 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	Ratio	Resp	Lower	Upper
112	100	185625		
114	32.1	26.4	39.6	

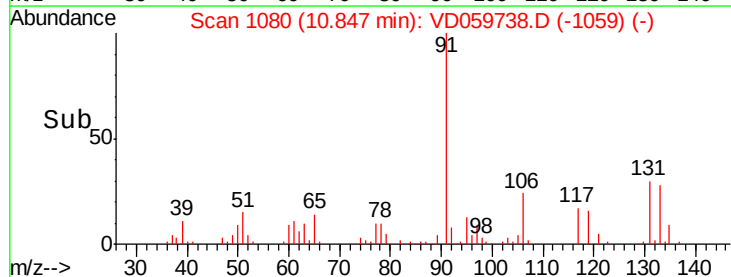
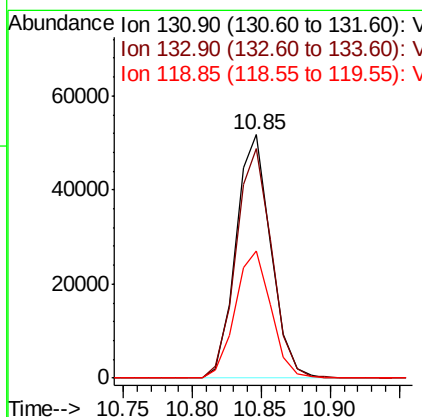
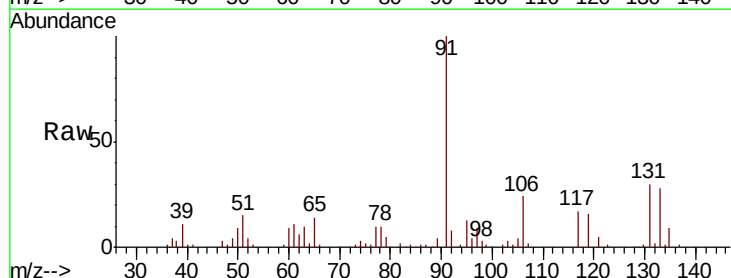
Manual Integrations
APPROVED

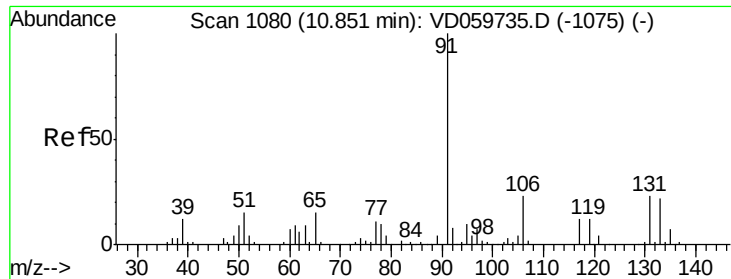
apatel
8/13/2018 12:28:47 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.33 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	91084		
133	94.2	48.1	144.3	
119	52.1	26.2	78.5	





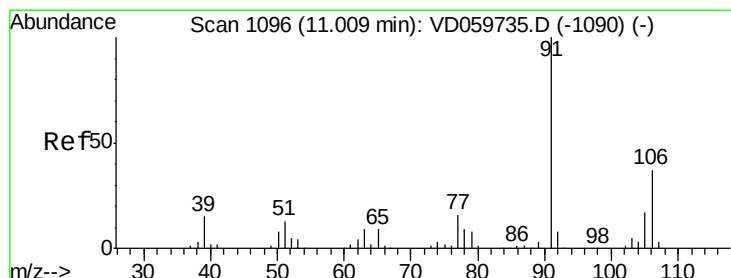
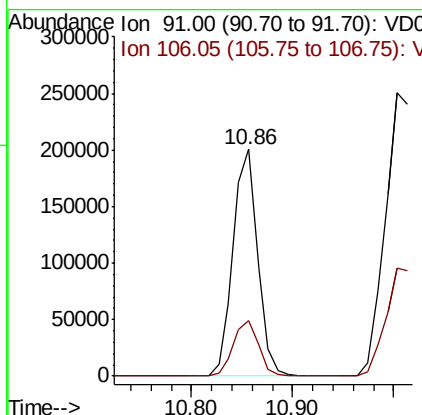
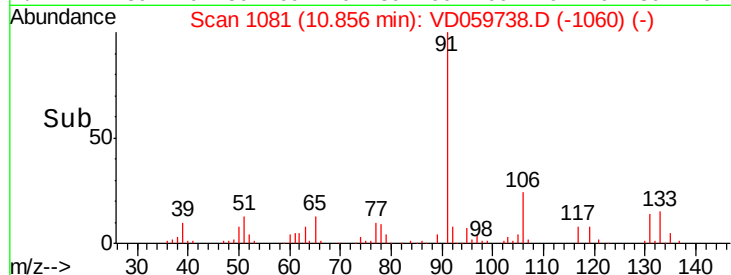
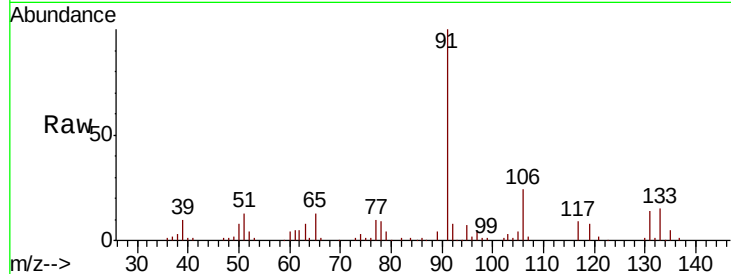
#67
Ethyl Benzene
Concen: 51.78 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion: 91 Resp: 339906
Ion Ratio Lower Upper
91 100
106 24.5 18.8 28.2

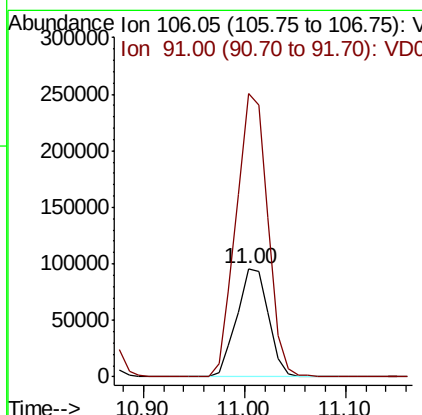
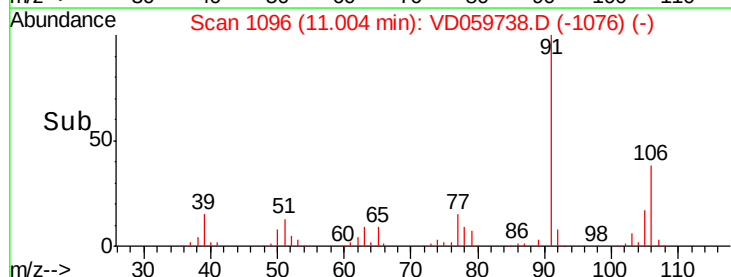
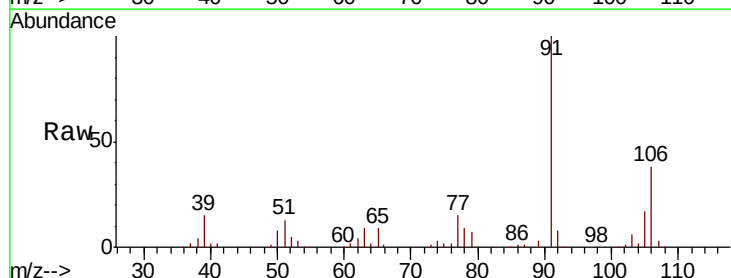
Manual Integrations
APPROVED

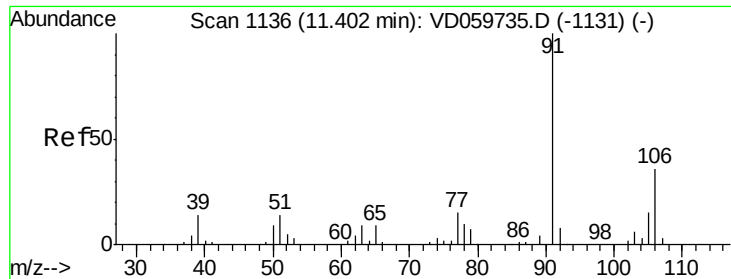
apatel
8/13/2018 12:28:47 PM



#68
m/p-Xylenes
Concen: 99.92 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion: 106 Resp: 210288
Ion Ratio Lower Upper
106 100
91 261.2 213.8 320.8





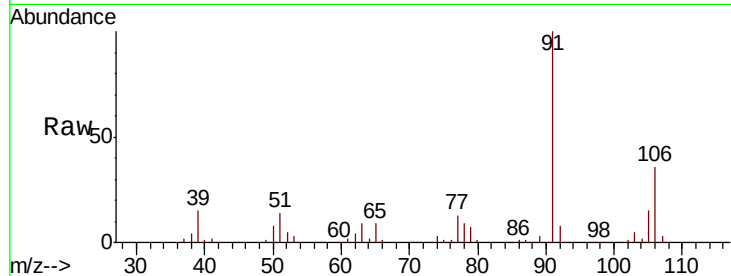
#69
o-Xylene
Concen: 49.66 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

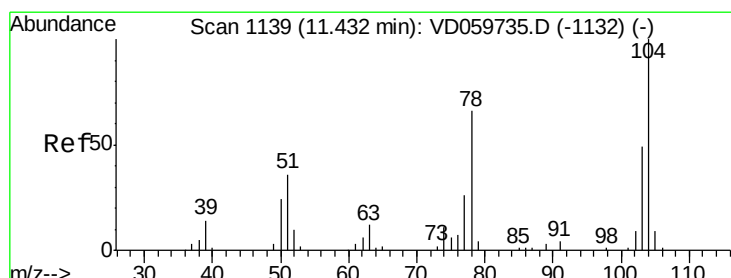
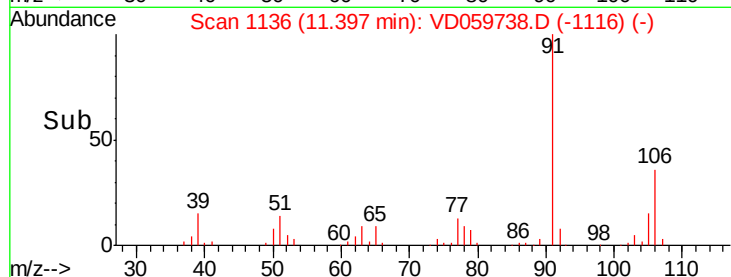
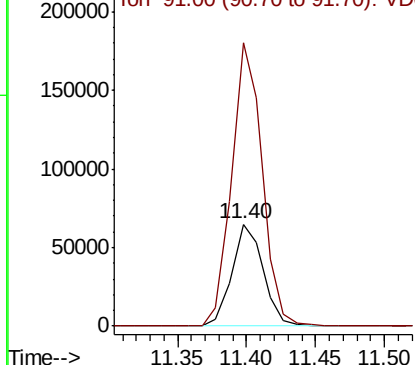
Tot Ion:106 Resp: 101625
Ion Ratio Lower Upper
106 100
91 278.4 139.8 419.4

Manual Integrations
APPROVED

apatel
8/13/2018 12:28:47 PM

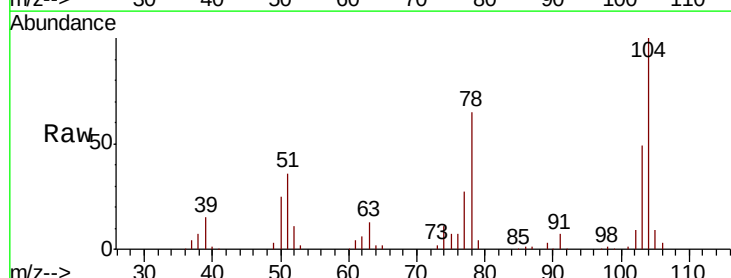


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

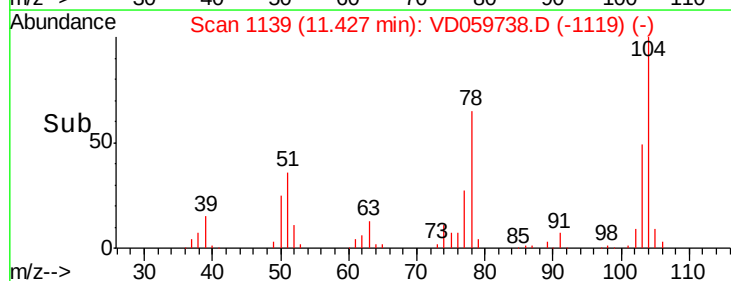
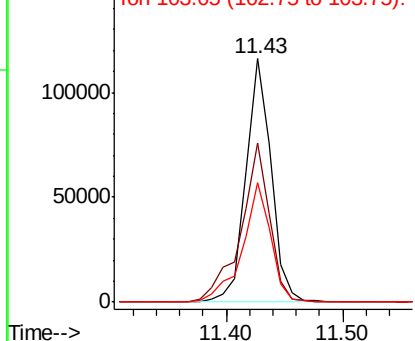


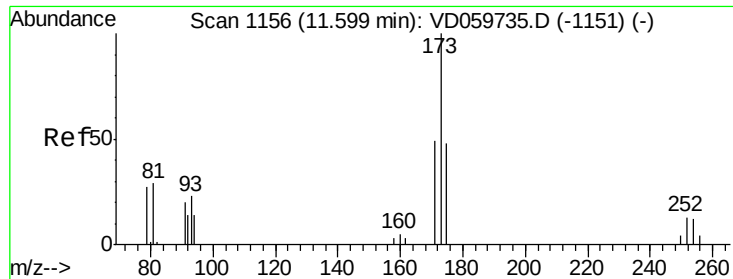
#70
Styrene
Concen: 51.90 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion:104 Resp: 173922
Ion Ratio Lower Upper
104 100
78 65.4 52.8 79.2
103 49.1 39.1 58.7



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





#71

Bromoform

Concen: 53.71 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

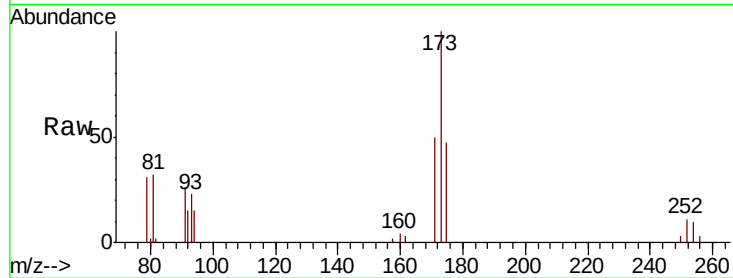
ClientSampleId :

ICVVD081018

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.1	72.2
254	9.9	9.3	13.9

Manual Integrations
APPROVED

apatel
8/13/2018 12:28:47 PM

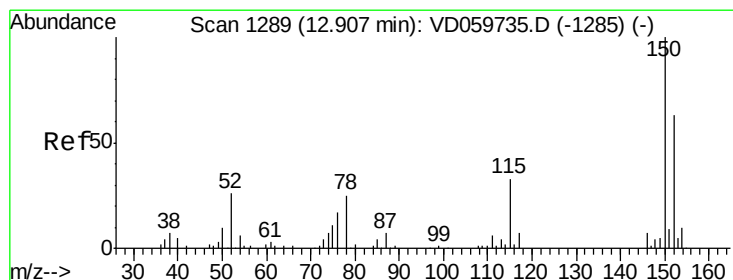
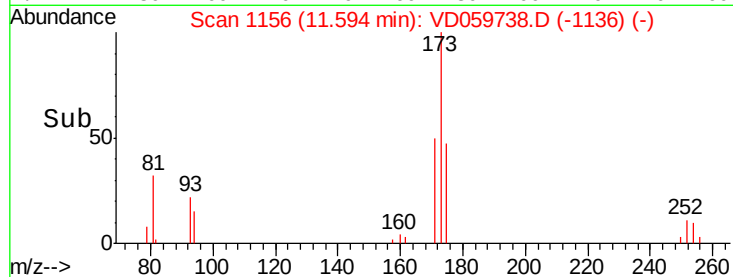
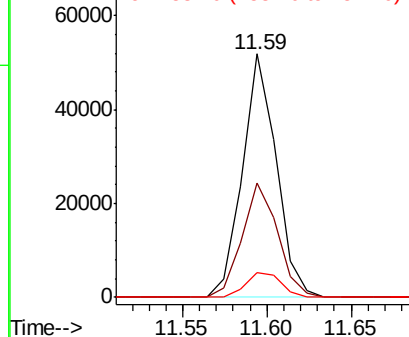


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

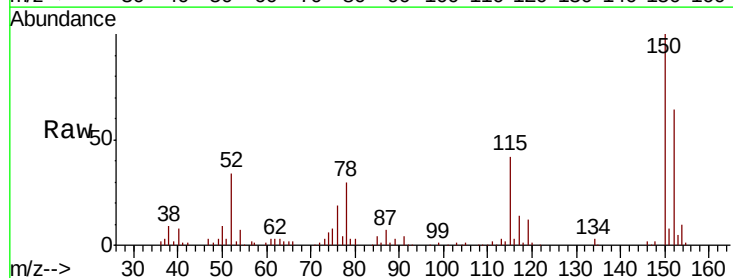
RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.5	29.8	89.3
150	156.7	0.0	320.4

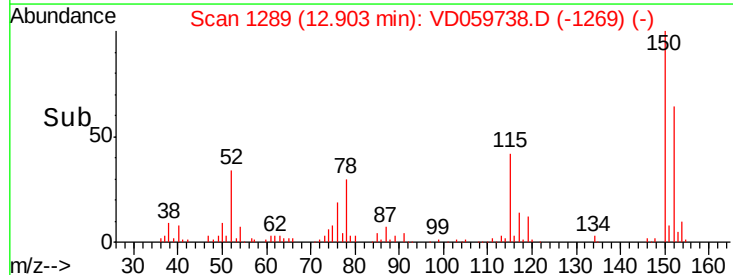
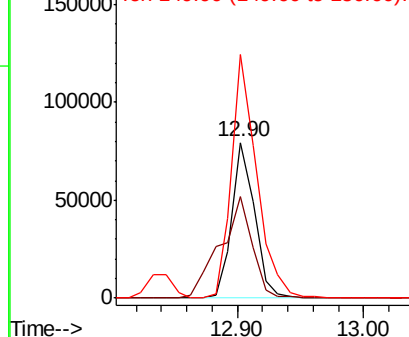


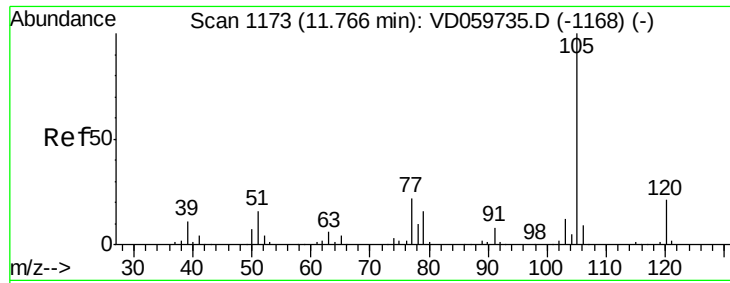
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.97 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

ICVVD081018

Tot Ion:105 Resp: 339215

Ion Ratio Lower Upper

105 100

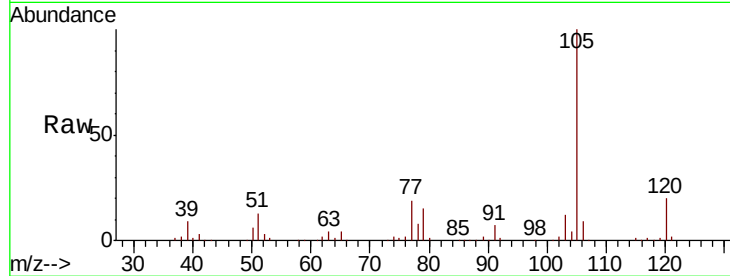
120 20.1 10.3 30.8

Manual Integrations

APPROVED

apatel

8/13/2018 12:28:47 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

250000

200000

150000

100000

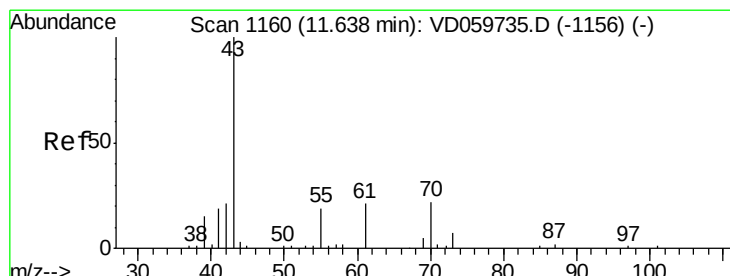
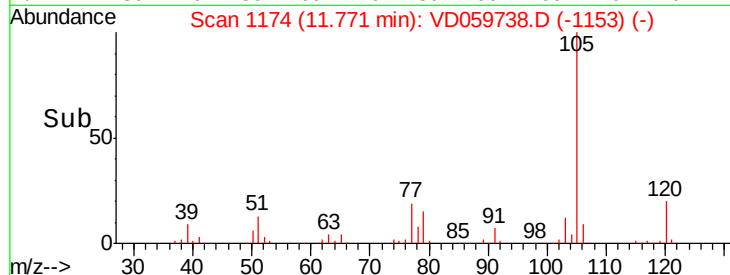
50000

0

11.70

11.80

Time-->



#74

N-ethyl acetate

Concen: 52.78 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Tgt Ion: 43 Resp: 100690

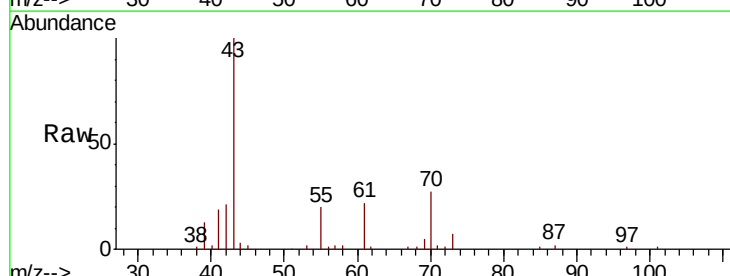
Ion Ratio Lower Upper

43 100

70 27.1 18.0 27.0#

55 20.5 14.8 22.2

61 21.8 17.1 25.7



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

100000

80000

60000

40000

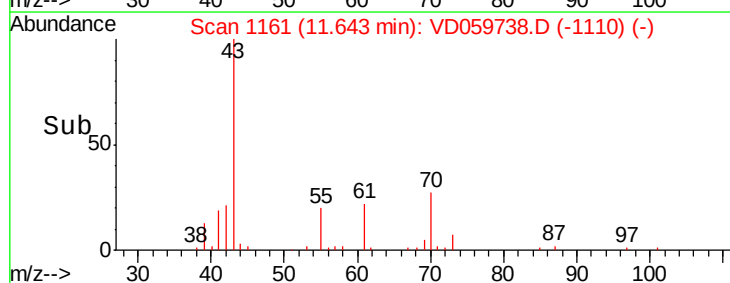
20000

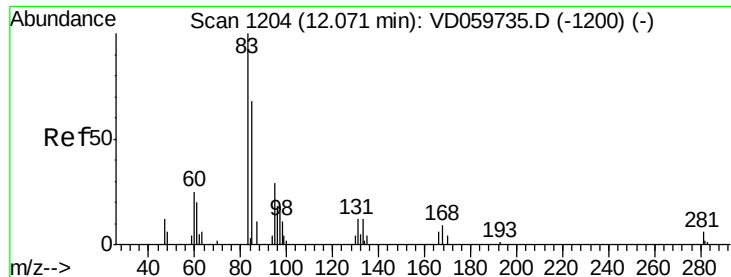
0

11.60

11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.98 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

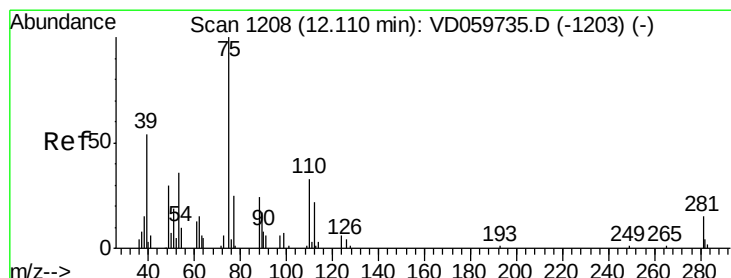
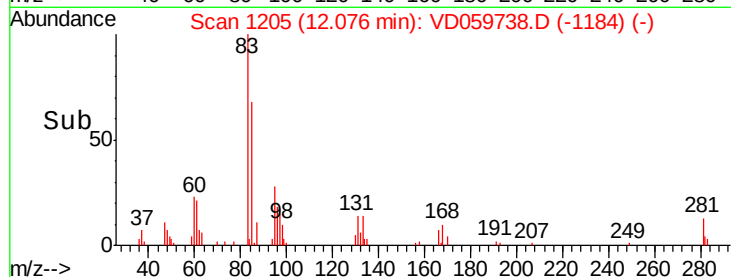
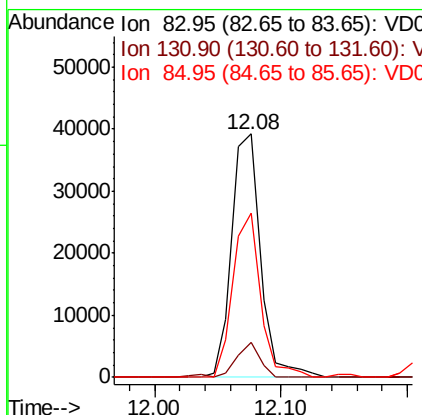
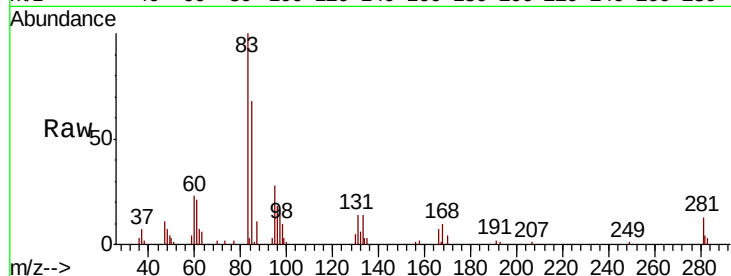
ClientSampleId :

ICVVD081018

Tot Ion	83	Resp	61904
Ion Ratio	100	Lower	Upper
83	100		
131	14.1	6.3	19.1
85	67.7	34.2	102.5

Manual Integrations
APPROVED

apatel
8/13/2018 12:28:47 PM



#76

1,2,3-Trichloropropane

Concen: 51.39 ug/l

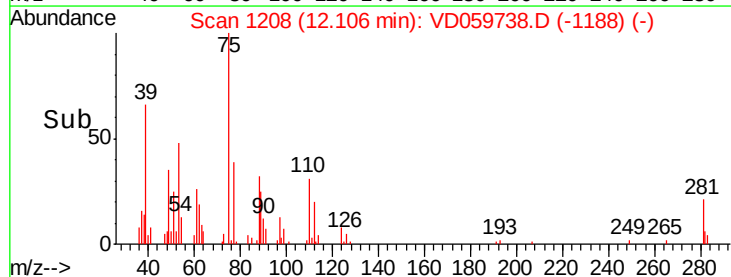
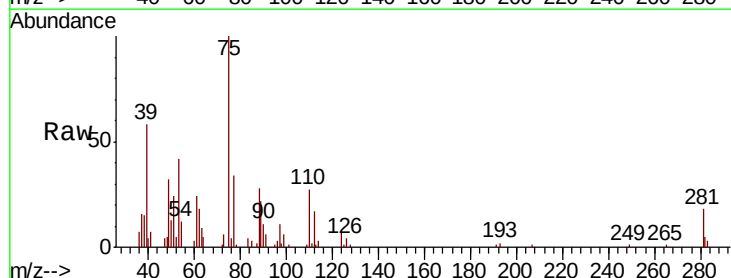
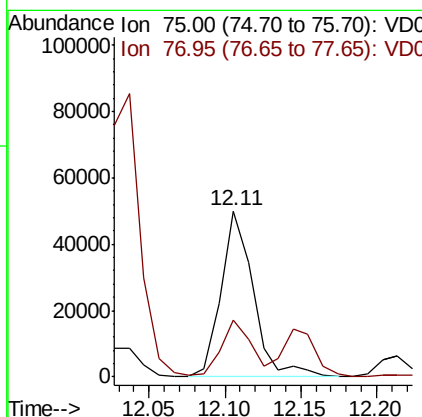
RT: 12.11 min Scan# 1208

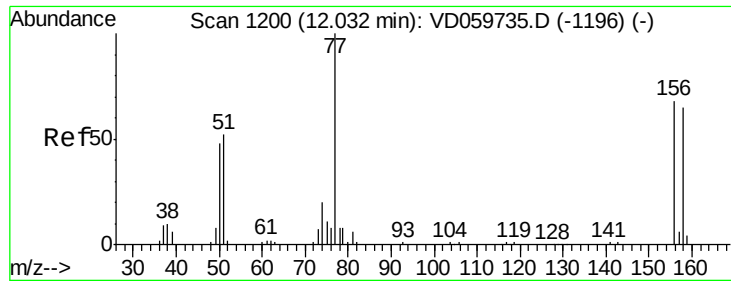
Delta R.T. -0.00 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Tgt Ion	75	Resp	74461
Ion Ratio	100	Lower	Upper
75	100		
77	34.1	16.0	48.0





#77

Bromobenzene

Concen: 50.41 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

ICVVD081018

Tot Ion:156 Resp: 97971

Ion Ratio Lower Upper

156 100

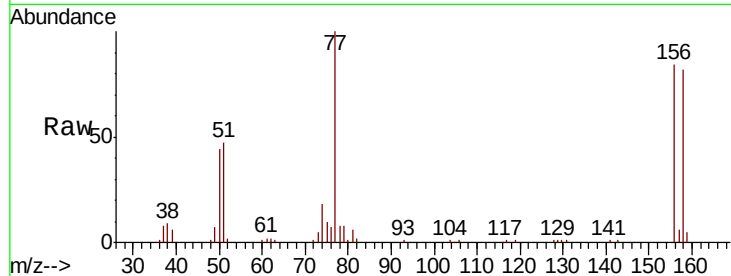
77 118.6 73.3 219.8

158 97.6 47.5 142.5

Manual Integrations
APPROVED

apatel

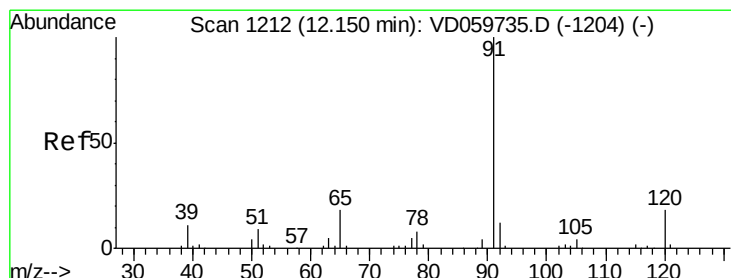
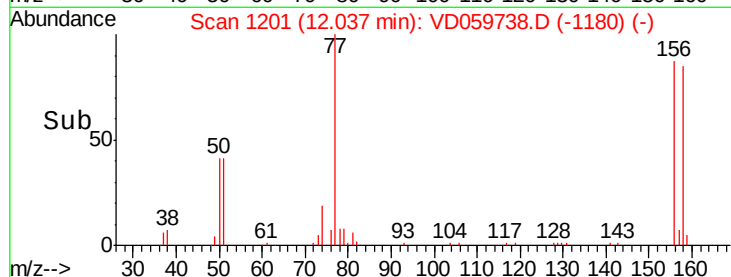
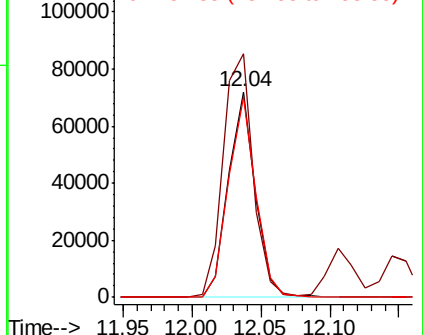
8/13/2018 12:28:47 PM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.27 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059738.D

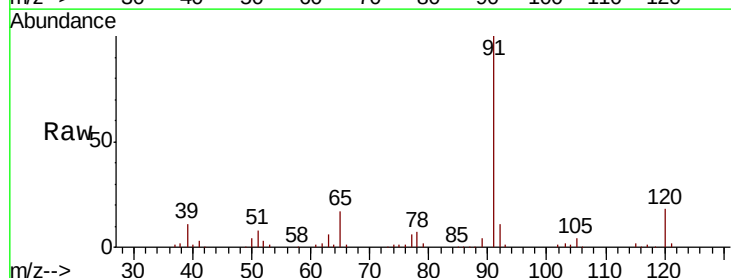
Acq: 10 Aug 2018 20:03

Tgt Ion: 91 Resp: 398350

Ion Ratio Lower Upper

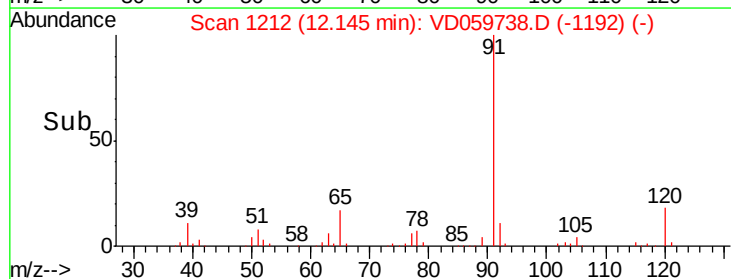
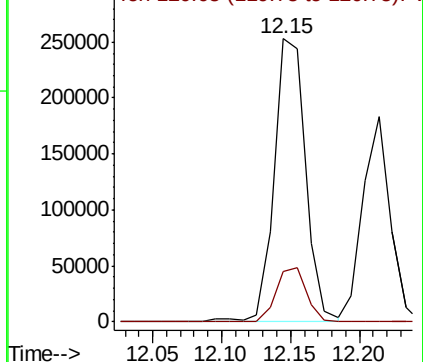
91 100

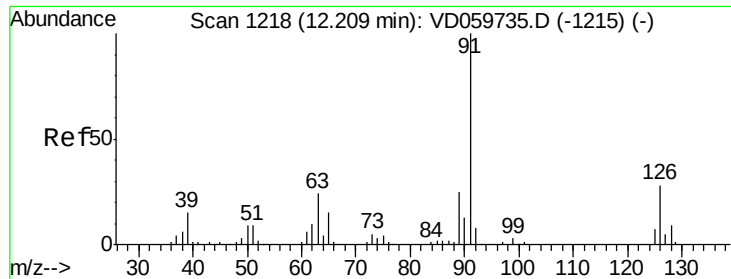
120 17.8 8.9 26.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





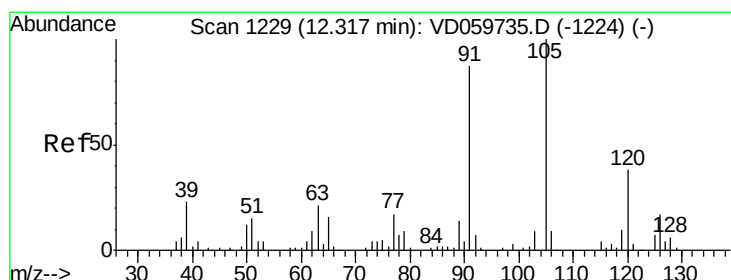
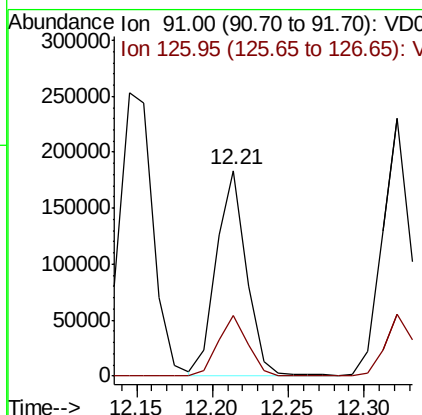
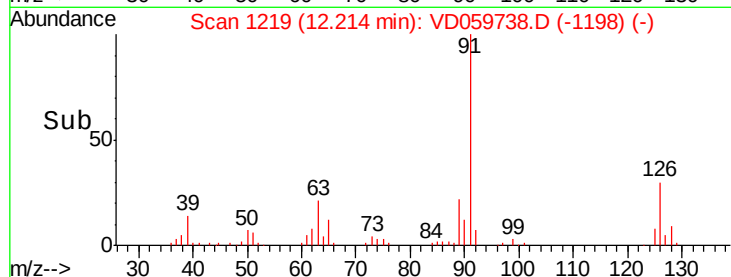
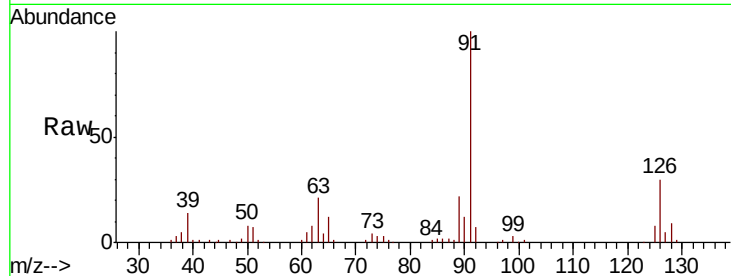
#79
 2-Chlorotoluene
 Concen: 49.51 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081018

Tot Ion: 91 Resp: 253436
 Ion Ratio Lower Upper
 91 100
 126 29.6 13.3 39.9

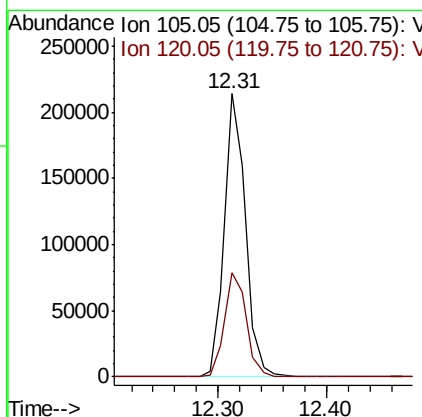
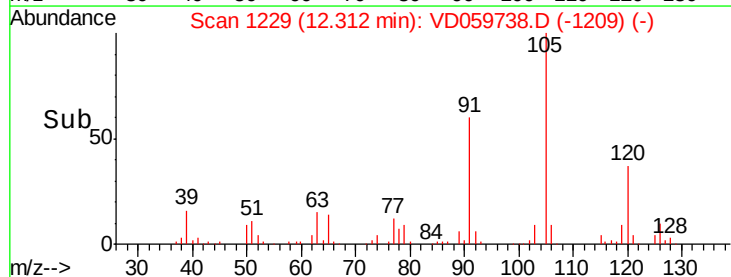
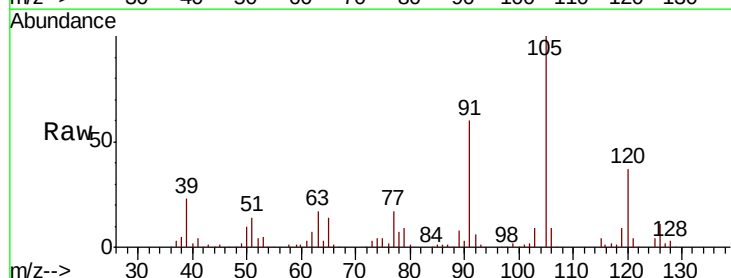
Manual Integrations
 APPROVED

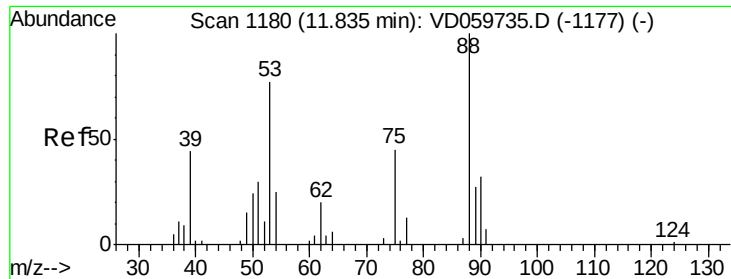
apatel
 8/13/2018 12:28:47 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.27 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Tgt Ion: 105 Resp: 289819
 Ion Ratio Lower Upper
 105 100
 120 36.8 19.2 57.6





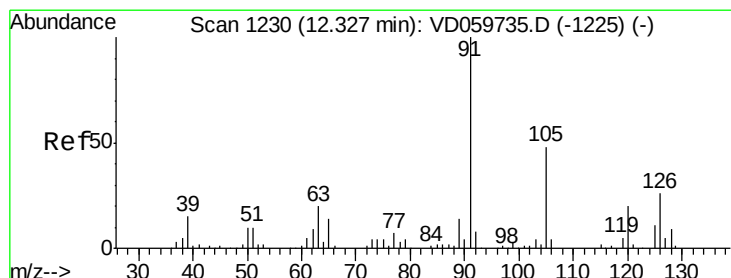
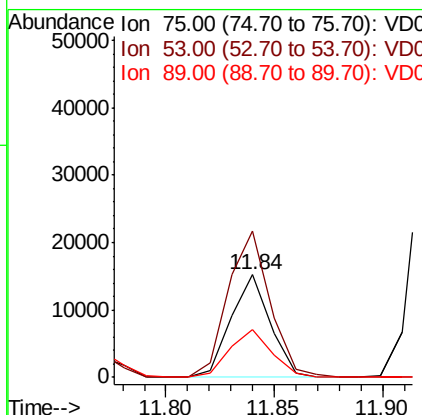
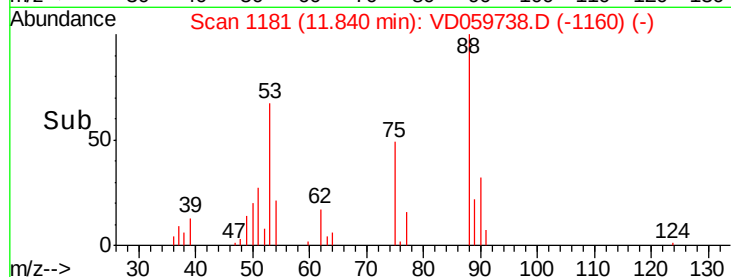
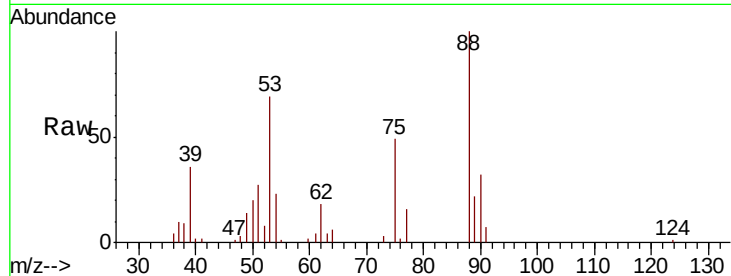
#81
trans-1,4-Dichloro-2-butene
Concen: 59.07 ug/l
RT: 11.84 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	Ratio	Lower	Upper
75	100		
53	142.9	137.5	206.3
89	46.1	48.3	72.5#

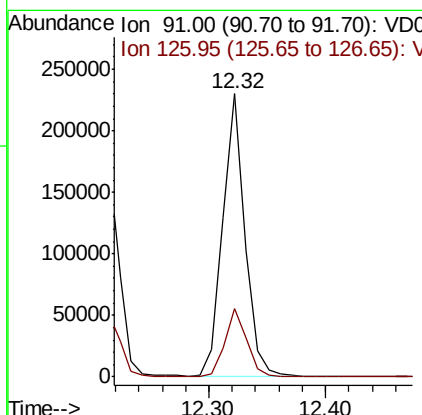
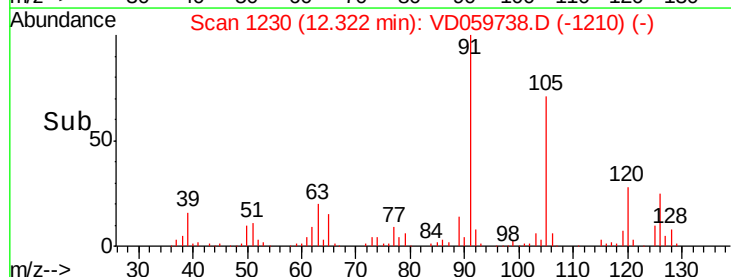
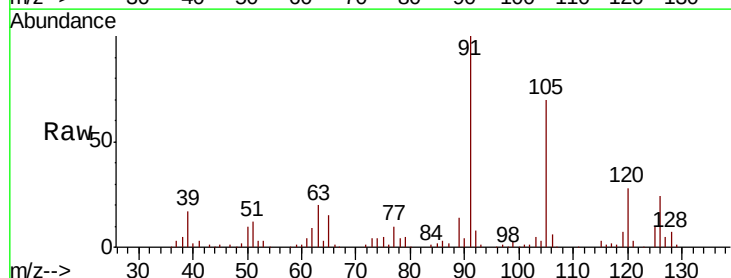
Manual Integrations
APPROVED

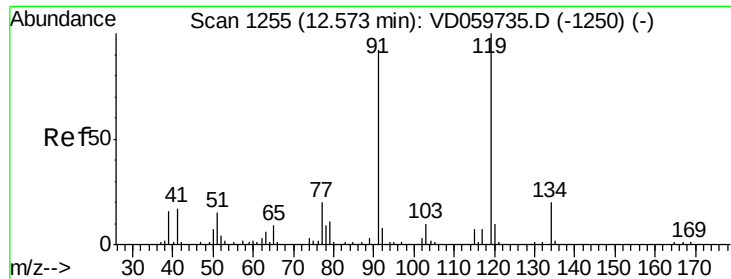
apatel
8/13/2018 12:28:47 PM



#82
4-Chlorotoluene
Concen: 50.14 ug/l
RT: 12.32 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	24.0	12.8	38.3





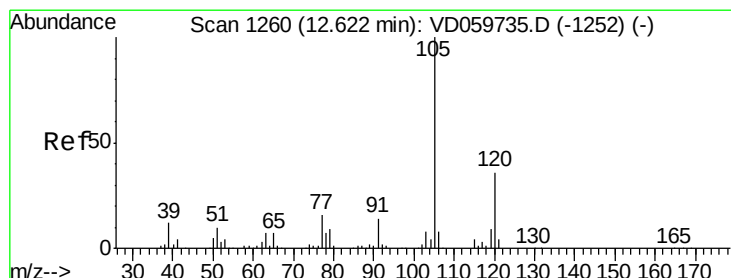
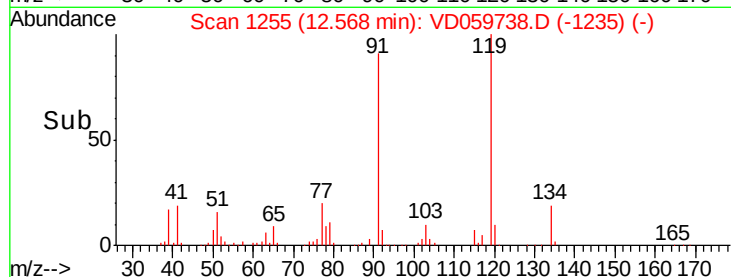
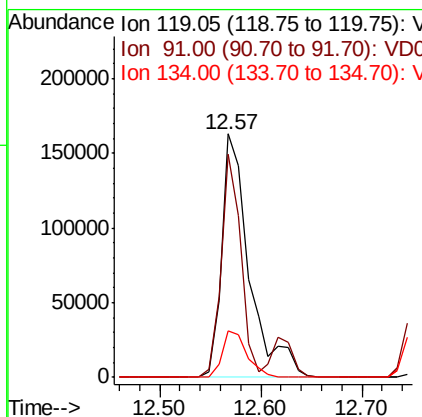
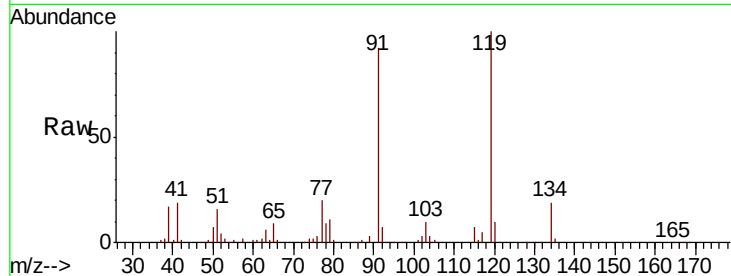
#83
 tert-Butylbenzene
 Concen: 49.68 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081018

Tot Ion	Ratio	Resp	Lower	Upper
119	100	311510		
91	91.5	46.1	138.2	
134	19.2	9.9	29.7	

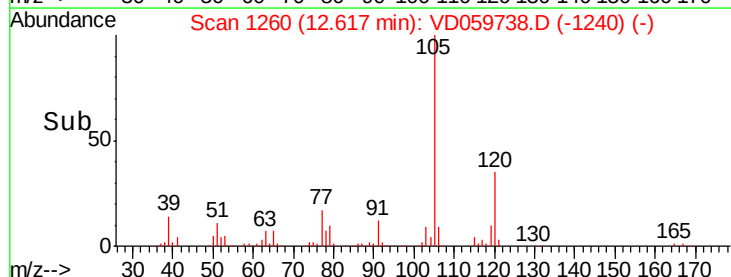
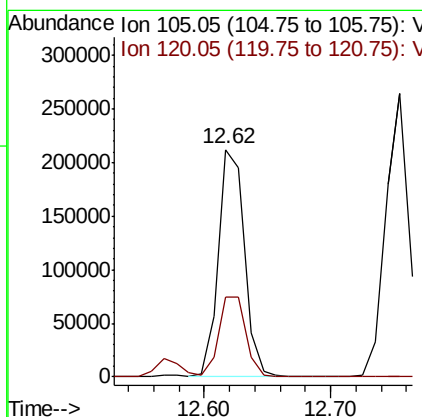
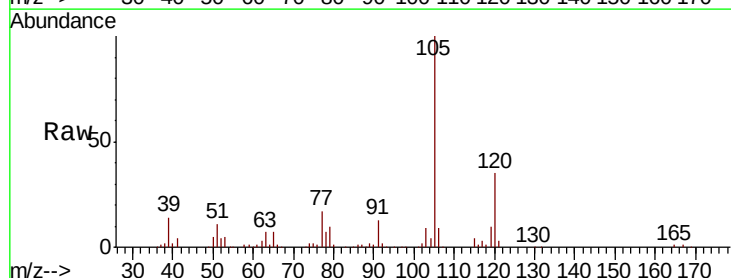
Manual Integrations
 APPROVED

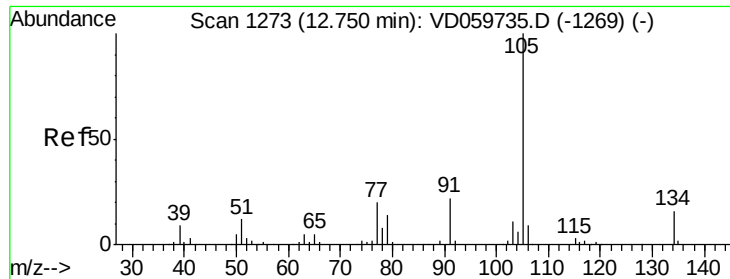
apatel
 8/13/2018 12:28:47 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.20 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	304600		
120	35.2	17.9	53.7	





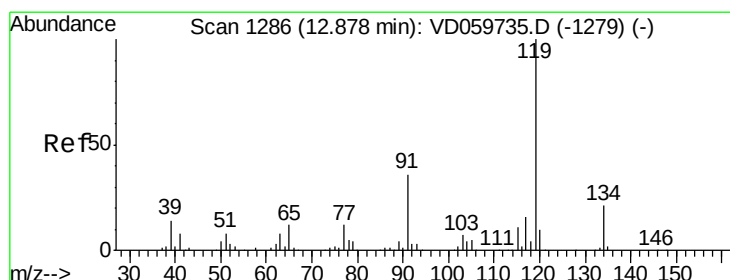
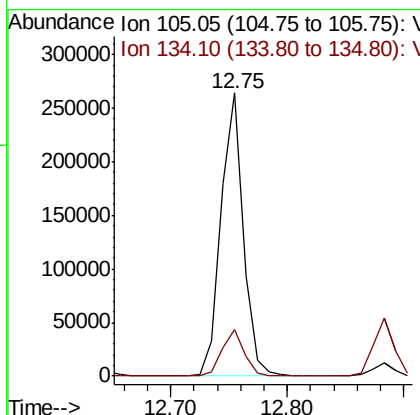
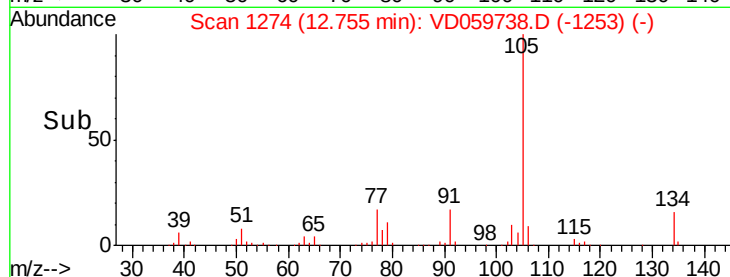
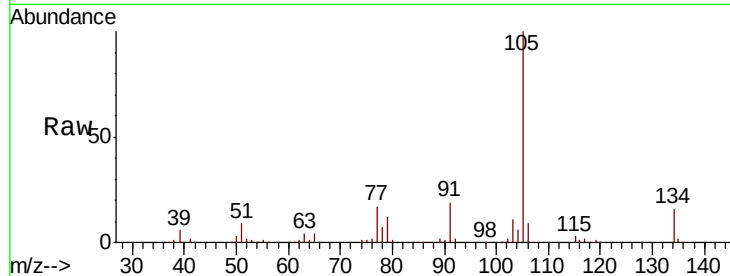
#85
 sec-Butylbenzene
 Concen: 52.49 ug/l
 RT: 12.75 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081018

Tot Ion	Ratio	Resp	Lower	Upper
105	100	349923		
134	16.4	7.8	23.4	

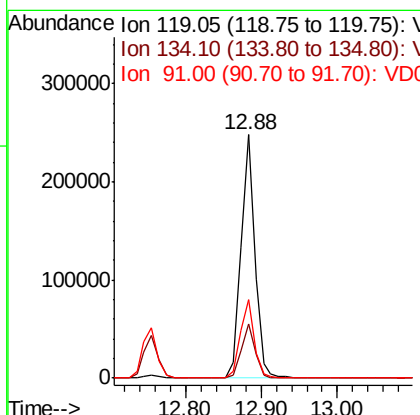
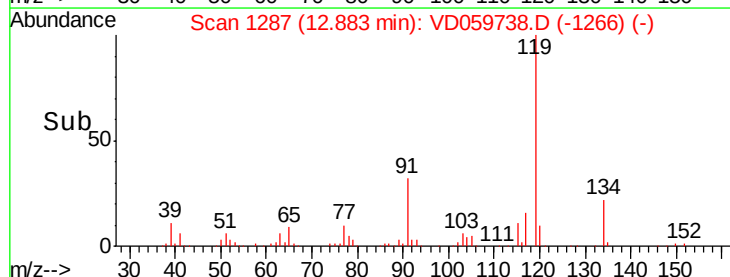
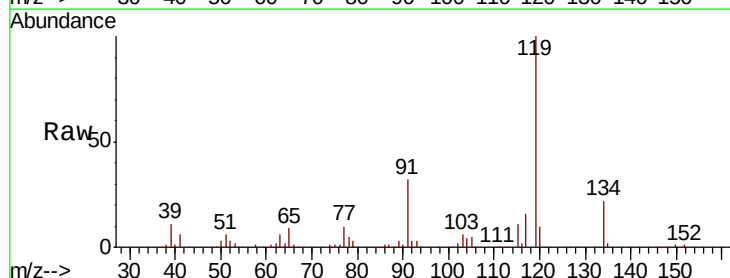
Manual Integrations
 APPROVED

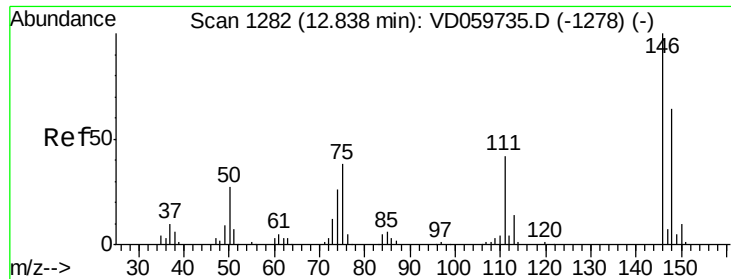
apatel
 8/13/2018 12:28:47 PM



#86
 p-Isopropyltoluene
 Concen: 51.37 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	308614		
134	22.0	10.5	31.6	
91	32.0	17.9	53.7	





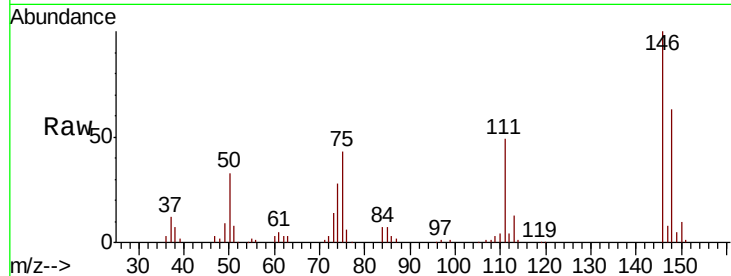
#87
 1,3-Dichlorobenzene
 Concen: 50.92 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081018

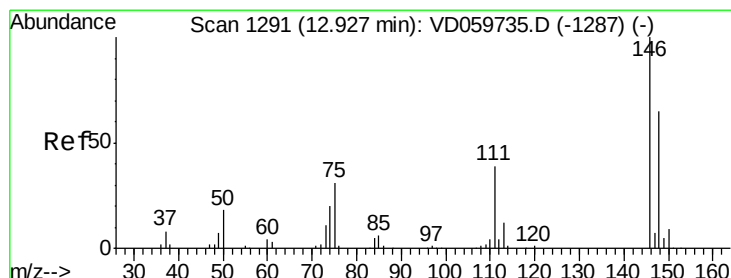
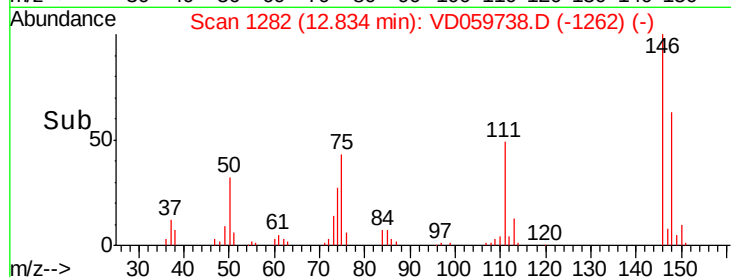
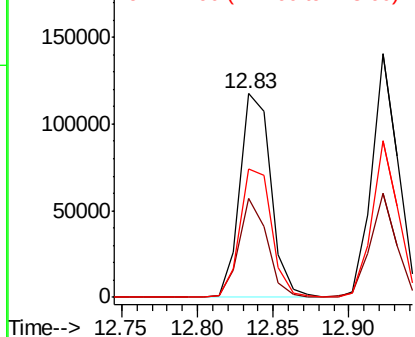
Tot Ion	Ratio	Lower	Upper
146	100		
111	48.7	21.1	63.3
148	63.1	32.2	96.6

Manual Integrations
 APPROVED

apatel
 8/13/2018 12:28:47 PM

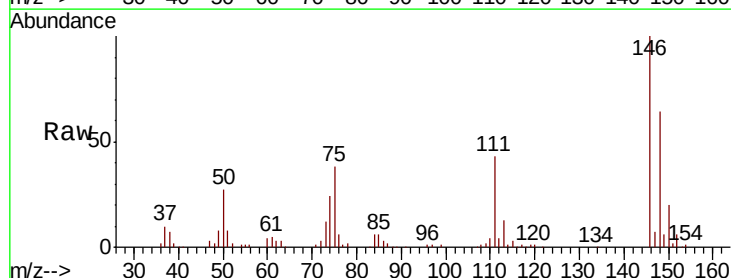


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

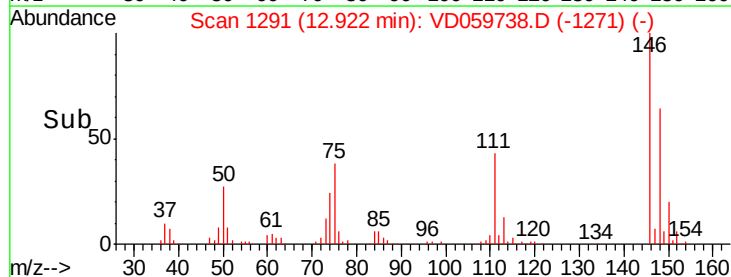
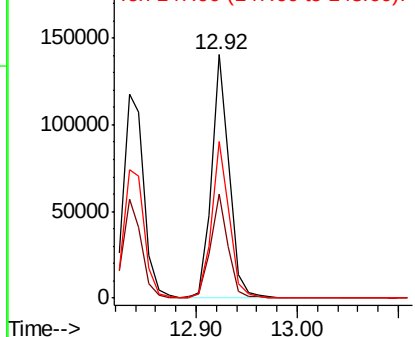


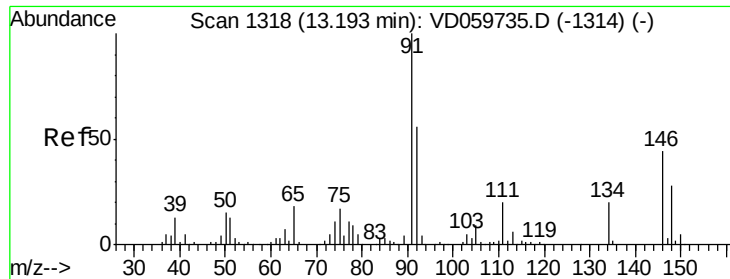
#88
 1,4-Dichlorobenzene
 Concen: 52.78 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.7	59.0
148	64.2	32.4	97.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





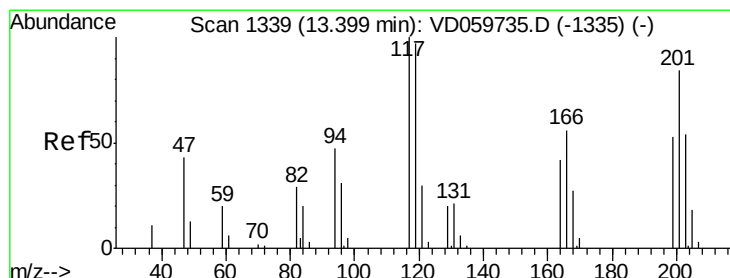
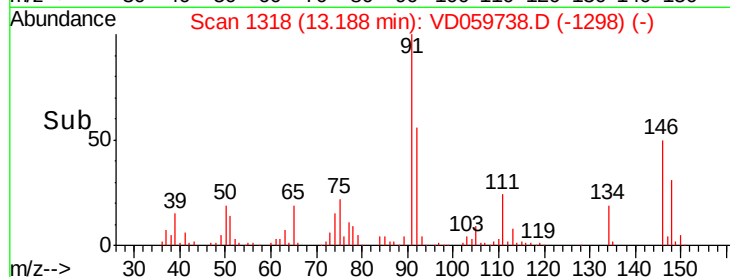
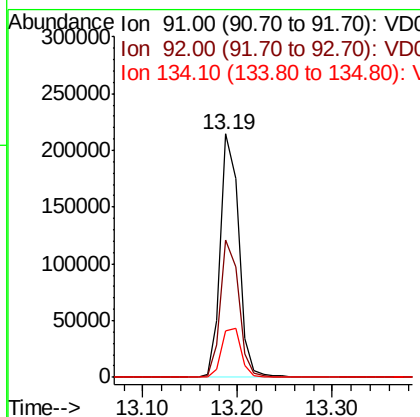
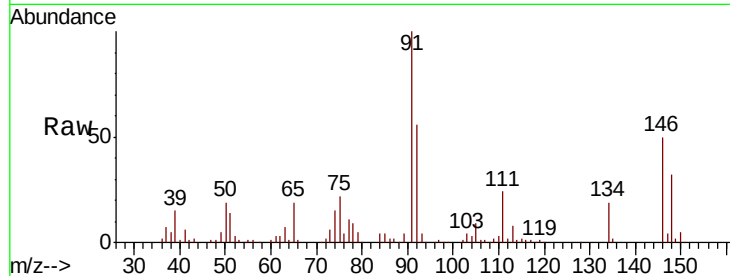
#89
n-Butylbenzene
Concen: 48.64 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
ICVVD081018

Tot Ion	Ratio	Resp	Lower	Upper
91	100	288871		
92	56.3	28.1	84.4	
134	19.0	10.3	30.8	

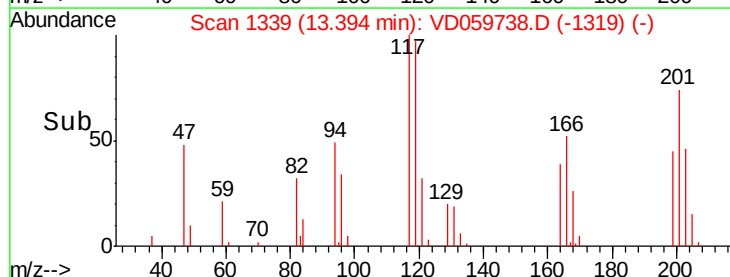
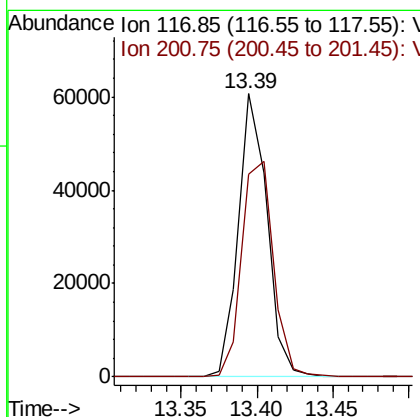
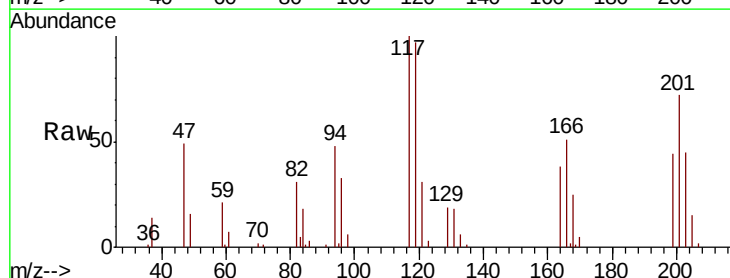
Manual Integrations
APPROVED

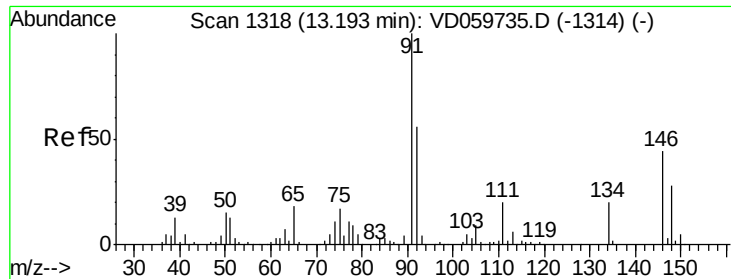
apatel
8/13/2018 12:28:47 PM



#90
Hexachloroethane
Concen: 51.17 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059738.D
Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	79742		
201	71.6	41.9	125.7	





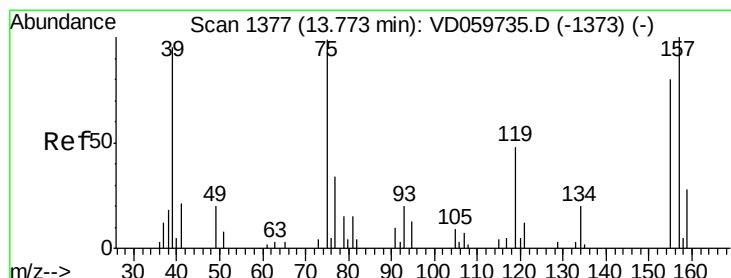
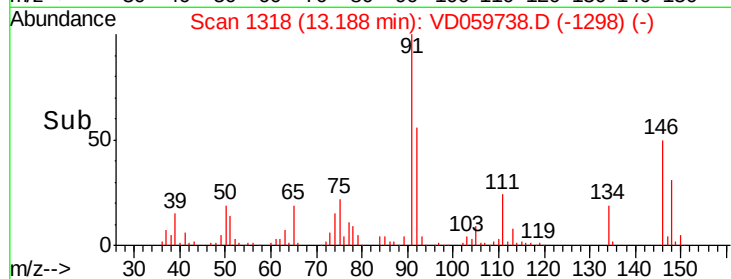
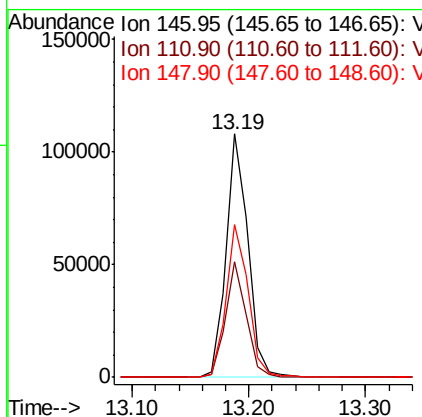
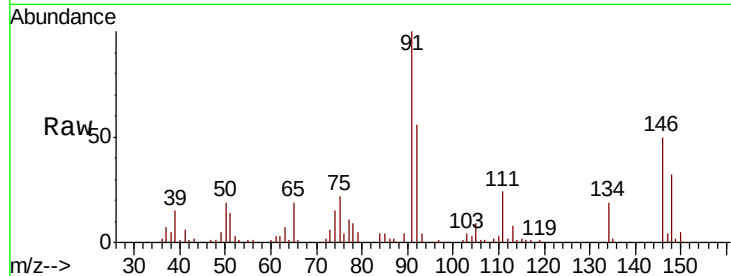
#91
 1,2-Dichlorobenzene
 Concen: 50.16 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081018

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	22.9	68.5
148	62.8	31.8	95.4

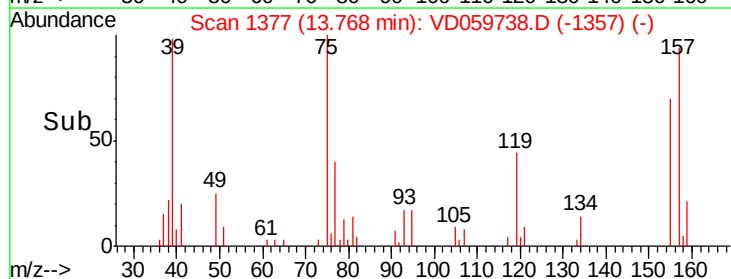
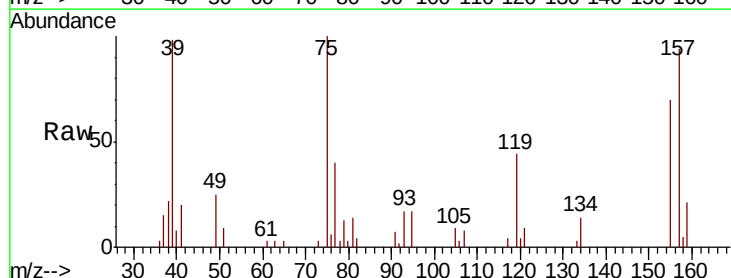
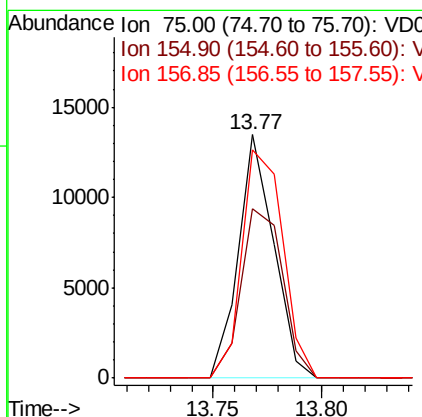
Manual Integrations
 APPROVED

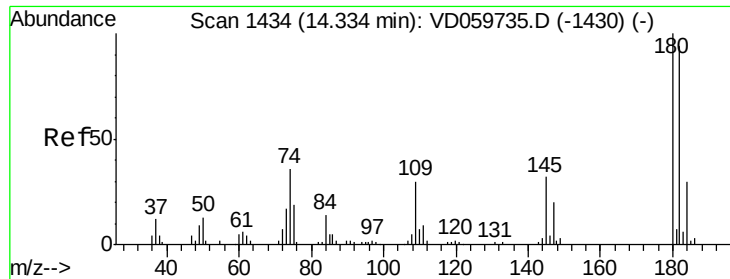
apatel
 8/13/2018 12:28:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.55 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.6	40.4	121.1
157	93.7	50.5	151.6





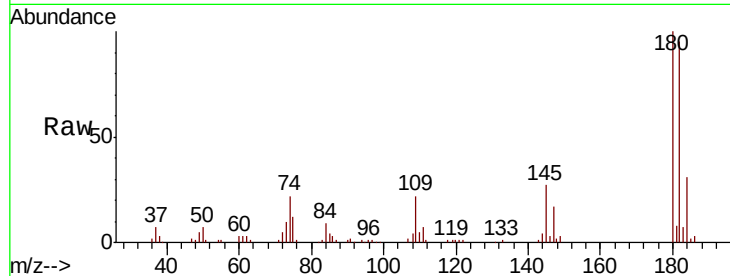
#93
 1,2,4-Trichlorobenzene
 Concen: 49.47 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081018

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.1	141.4	
145	27.2	15.8	47.3	

Manual Integrations
 APPROVED

apatel
 8/13/2018 12:28:47 PM

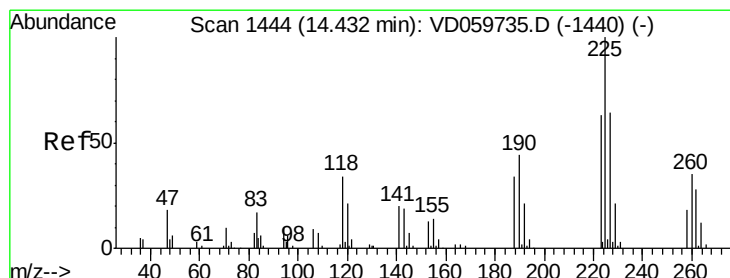
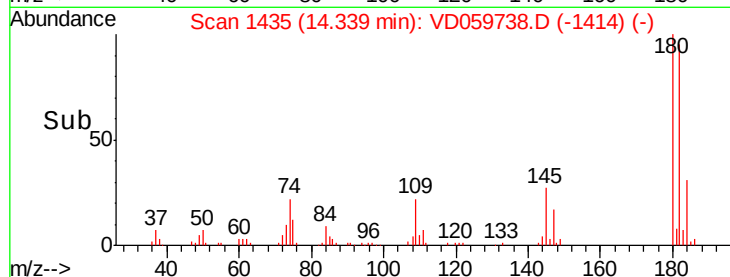
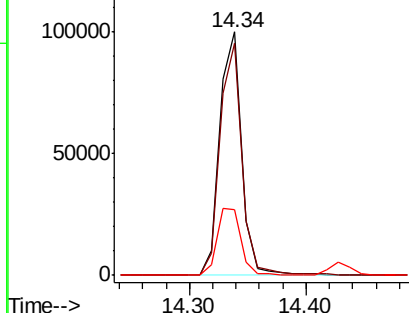


Abundance

Ion 179.85 (179.55 to 180.55): V

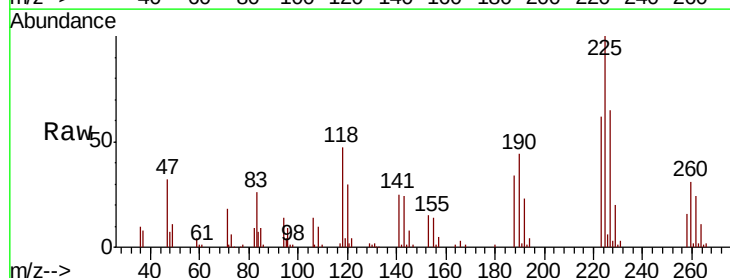
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 45.54 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059738.D
 Acq: 10 Aug 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.5	94.5	
227	65.4	32.1	96.3	

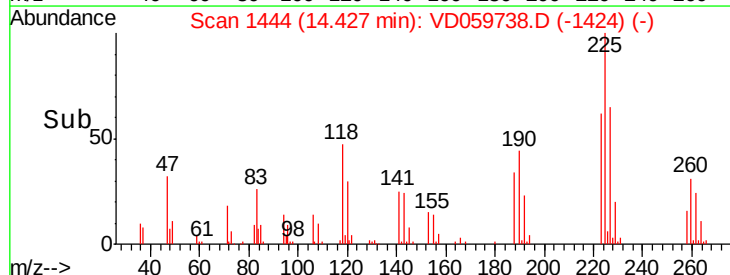
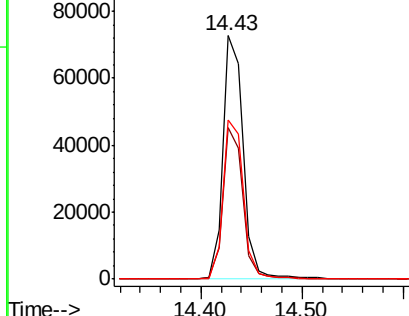


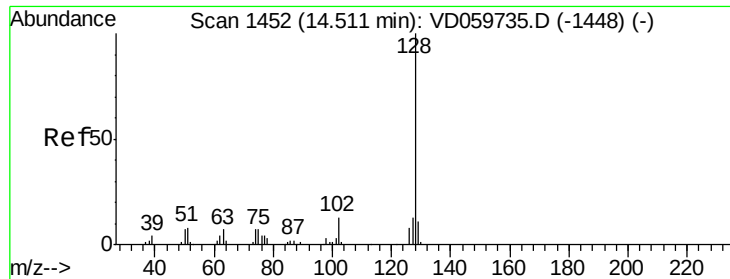
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 51.63 ug/l

RT: 14.52 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Instrument :

MSVOA_D

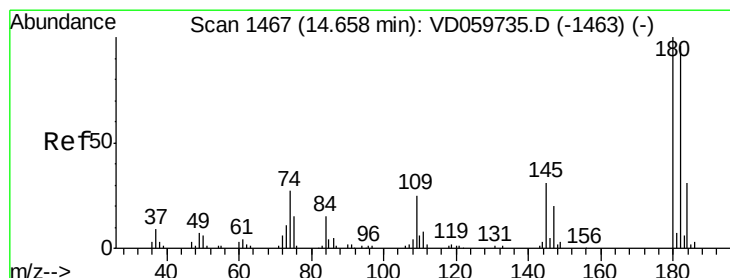
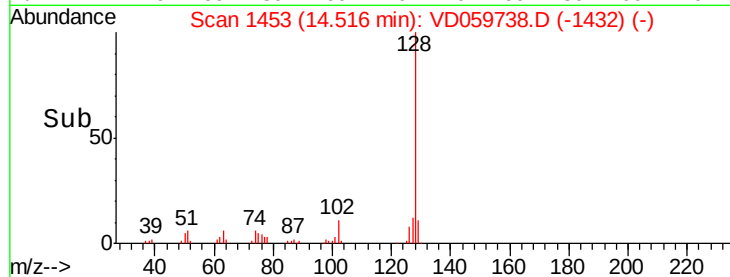
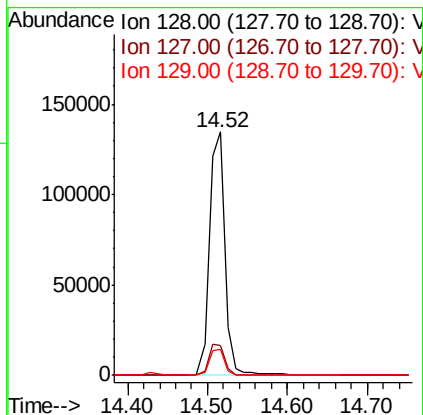
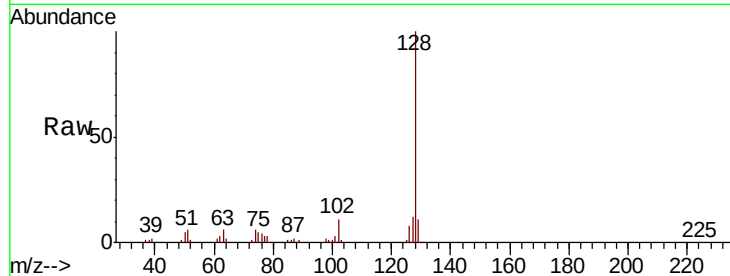
ClientSampleId :

ICVVD081018

Tot Ion:	128	Resp:	184517
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.4	15.6
129	10.6	8.9	13.3

Manual Integrations
APPROVED

apatel
8/13/2018 12:28:47 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.79 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD059738.D

Acq: 10 Aug 2018 20:03

Tgt Ion:	180	Resp:	110716
Ion Ratio	Lower	Upper	
180	100		
182	97.8	48.1	144.4
145	34.3	15.4	46.4

