

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090618\
 Data File : VD059981.D
 Acq On : 6 Sep 2018 13:05
 Operator : JC/SY
 Sample : VD0906SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Manual Integrations
 APPROVED

apatel
 9/7/2018 10:24:29 AM

Quant Time: Sep 07 04:20:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1235167	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1654018	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.28	117	1419900	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	771620	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	514200	49.39	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	6.30	113	692116	53.37	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	9.43	98	1884508	52.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.42	95	751234	51.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.56	85	176004m	15.94	ug/l	
3) Chloromethane	1.73	50	156103	15.61	ug/l	99
4) Vinyl Chloride	1.83	62	129594	16.52	ug/l	100
5) Bromomethane	2.10	94	10974	8.10	ug/l	92
6) Chloroethane	2.22	64	32667	11.52	ug/l	93
7) Trichlorofluoromethane	2.47	101	159537	17.58	ug/l	100
8) Diethyl Ether	2.79	74	36517	17.94	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.05	101	113803	20.48	ug/l	96
10) Methyl Iodide	3.21	142	84727	16.79	ug/l #	97
11) Tert butyl alcohol	3.95	59	82251	103.55	ug/l	98
12) 1,1-Dichloroethene	3.04	96	80304	18.56	ug/l	96
13) Acrolein	2.95	56	17819	51.72	ug/l	94
14) Allyl chloride	3.49	41	194298	19.85	ug/l	98
15) Acrylonitrile	4.05	53	308992	103.87	ug/l	97
16) Acetone	3.13	43	179515	94.65	ug/l	99
17) Carbon Disulfide	3.27	76	188893	14.07	ug/l	99
18) Methyl Acetate	3.52	43	68396	17.27	ug/l	98
19) Methyl tert-butyl Ether	4.09	73	491216	20.07	ug/l	99
20) Methylene Chloride	3.68	84	258578	18.05	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	221603	18.59	ug/l	99
22) Diisopropyl ether	4.82	45	1006202	20.16	ug/l	99
23) Vinyl Acetate	4.77	43	2919408	104.64	ug/l	100
24) 1,1-Dichloroethane	4.72	63	425911	19.75	ug/l	99
25) 2-Butanone	5.60	43	504291	89.77	ug/l	97
26) 2,2-Dichloropropane	5.56	77	349861	19.41	ug/l	98
27) cis-1,2-Dichloroethene	5.56	96	269462	20.65	ug/l	98
28) Bromochloromethane	5.89	49	208365	20.16	ug/l	98
29) Tetrahydrofuran	5.93	42	265712	99.36	ug/l	99
30) Chloroform	6.08	83	445461	20.33	ug/l	100
31) Cyclohexane	6.34	56	341200	17.21	ug/l	97
32) 1,1,1-Trichloroethane	6.27	97	354525	19.06	ug/l	99
36) 1,1-Dichloropropene	6.49	75	293935	19.60	ug/l	99
37) Ethyl Acetate	5.68	43	252400	21.63	ug/l	96
38) Carbon Tetrachloride	6.47	117	288276	19.05	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090618\
 Data File : VD059981.D
 Acq On : 6 Sep 2018 13:05
 Operator : JC/SY
 Sample : VD0906SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0906SBS01

Manual Integrations
 APPROVED

apatel
 9/7/2018 10:24:29 AM

Quant Time: Sep 07 04:20:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	310859	19.19	ug/l	96
40) Benzene	6.77	78	796497	20.43	ug/l	100
41) Methacrylonitrile	5.89	41	140682m	23.94	ug/l	
42) 1,2-Dichloroethane	6.87	62	248112	19.82	ug/l	98
43) Isopropyl Acetate	8.33	43	317375	20.91	ug/l	99
44) Trichloroethene	7.71	130	242746	21.15	ug/l	99
45) 1,2-Dichloropropane	8.09	63	233453	21.42	ug/l	99
46) Dibromomethane	8.20	93	146509	20.91	ug/l	96
47) Bromodichloromethane	8.47	83	321063	20.24	ug/l	96
48) Methyl methacrylate	8.22	41	179874	20.33	ug/l	97
49) 1,4-Dioxane	8.21	88	35393	448.03	ug/l #	88
51) 4-Methyl-2-Pentanone	9.33	43	1055809	93.30	ug/l	98
52) Toluene	9.53	92	526872	21.08	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	294791	20.09	ug/l	97
54) cis-1,3-Dichloropropene	9.08	75	349445	20.54	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	198160	21.68	ug/l	98
56) Ethyl methacrylate	10.02	69	216203	20.50	ug/l	98
57) 1,3-Dichloropropane	10.37	76	289292	21.87	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	607335	120.04	ug/l	97
59) 2-Hexanone	10.48	43	796168	95.39	ug/l	99
60) Dibromochloromethane	10.63	129	233921	20.37	ug/l	97
61) 1,2-Dibromoethane	10.74	107	197992	21.43	ug/l	98
64) Tetrachloroethene	10.24	164	223665	20.37	ug/l	97
65) Chlorobenzene	11.30	112	615074	21.80	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	222454	21.58	ug/l	99
67) Ethyl Benzene	11.42	91	1040769	21.93	ug/l	99
68) m/p-Xylenes	11.56	106	753418	43.59	ug/l	98
69) o-Xylene	11.92	106	365271	21.61	ug/l	100
70) Styrene	11.94	104	638554	21.82	ug/l	97
71) Bromoform	12.11	173	168413	18.88	ug/l #	95
73) Isopropylbenzene	12.27	105	1013072	20.57	ug/l	99
74) N-amyl acetate	12.13	43	409800	19.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	234111	20.55	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	238919	19.92	ug/l	100
77) Bromobenzene	12.53	156	290050	21.24	ug/l	87
78) n-propylbenzene	12.63	91	1319937	21.16	ug/l	98
79) 2-Chlorotoluene	12.70	91	723489	20.51	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	803116	20.51	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	64891	17.39	ug/l	93
82) 4-Chlorotoluene	12.80	91	811041	20.16	ug/l	94
83) tert-Butylbenzene	13.04	119	829620m	18.60	ug/l	
84) 1,2,4-Trimethylbenzene	13.09	105	840275	20.59	ug/l	99
85) sec-Butylbenzene	13.21	105	1097210	20.92	ug/l	99
86) p-Isopropyltoluene	13.33	119	896264	21.01	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	515055	21.13	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	521855	21.45	ug/l	97
89) n-Butylbenzene	13.64	91	926892	20.07	ug/l	96
90) Hexachloroethane	13.85	117	206301	18.01	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	461341	22.25	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	30924	17.65	ug/l	67

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090618\
Data File : VD059981.D
Acq On : 6 Sep 2018 13:05
Operator : JC/SY
Sample : VD0906SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

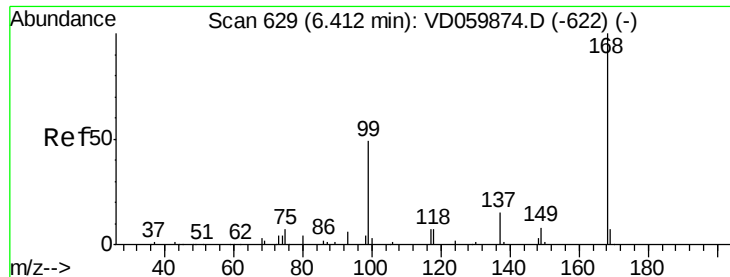
Manual Integrations
APPROVED

apatel
9/7/2018 10:24:29 AM

Quant Time: Sep 07 04:20:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	377493	21.27	ug/l	98
94) Hexachlorobutadiene	14.88	225	251453	21.61	ug/l	99
95) Naphthalene	14.97	128	563582	20.78	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	326710	21.52	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

Tot Ion:168 Resp: 1235167

Ion Ratio Lower Upper

168 100

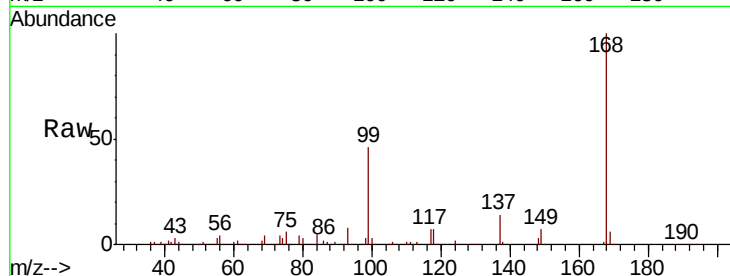
99 45.7 42.2 63.2

Manual Integrations

APPROVED

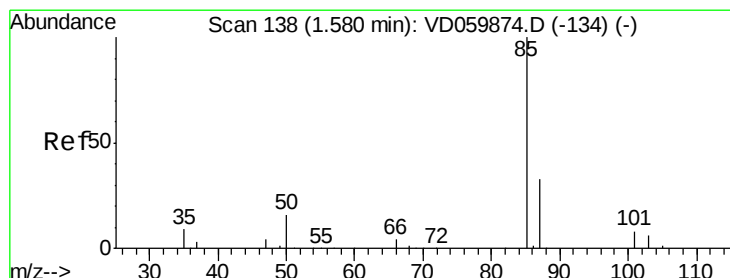
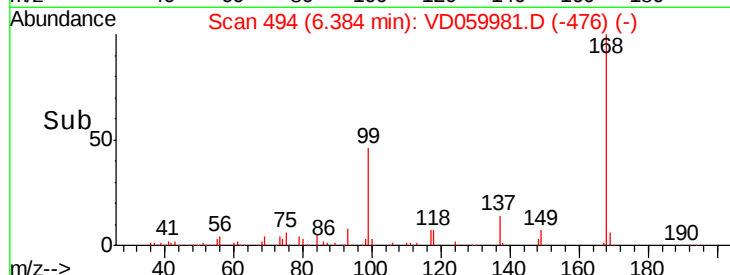
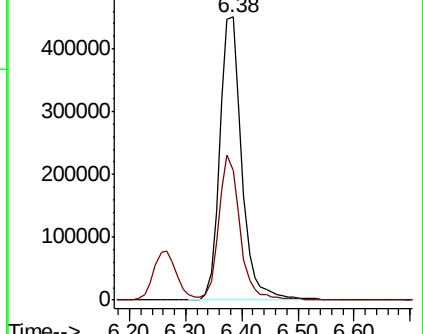
apatel

9/7/2018 10:24:29 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 15.94 ug/l m

RT: 1.56 min Scan# 4

Delta R.T. -0.02 min

Lab File: VD059981.D

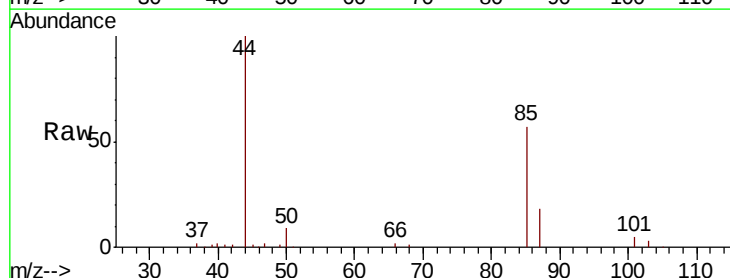
Acq: 6 Sep 2018 13:05

Tgt Ion: 85 Resp: 176004

Ion Ratio Lower Upper

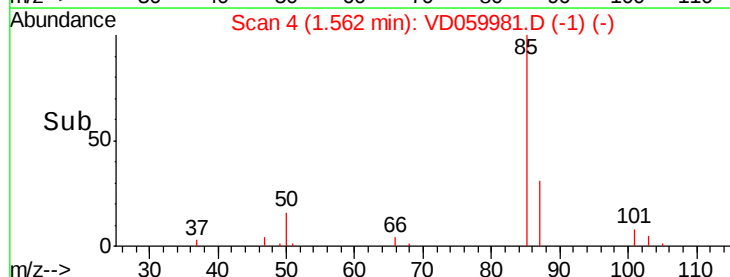
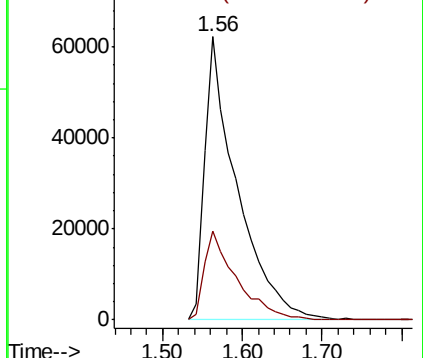
85 100

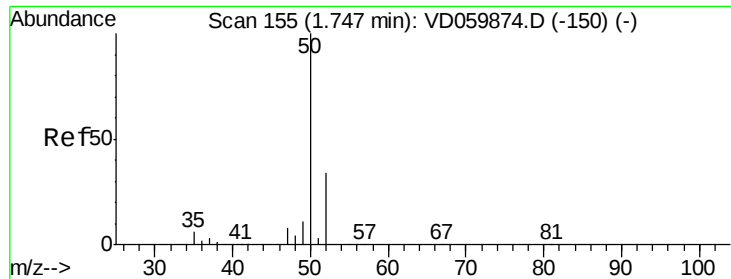
87 31.3 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 15.61 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.02 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

Tot Ion: 50 Resp: 156103

Ion Ratio Lower Upper

50 100

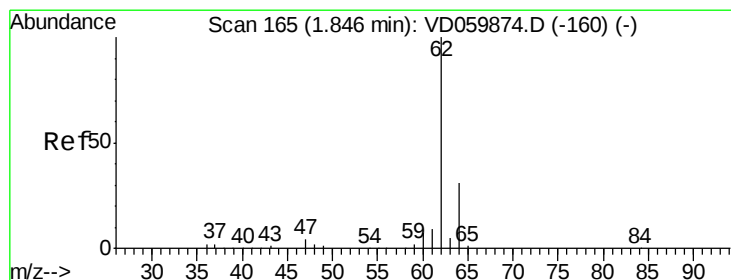
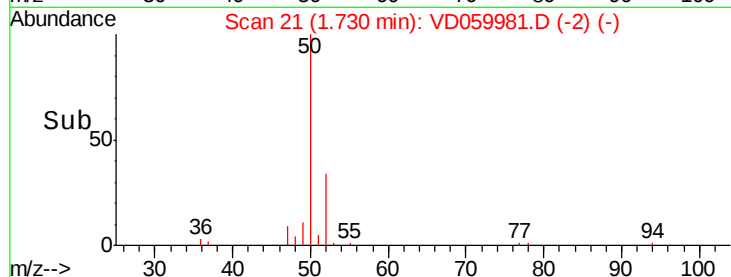
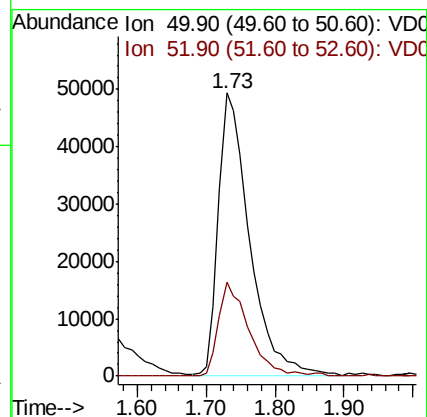
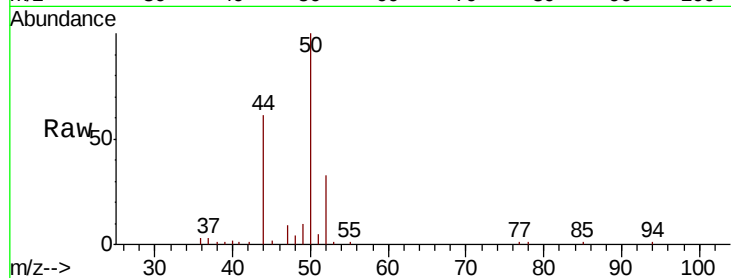
52 33.0 27.0 40.6

Manual Integrations

APPROVED

apatel

9/7/2018 10:24:29 AM



#4

Vinyl Chloride

Concen: 16.52 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.02 min

Lab File: VD059981.D

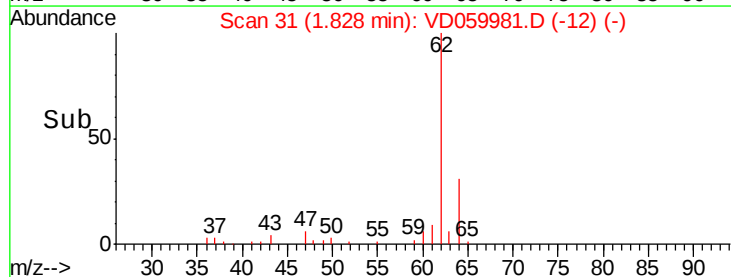
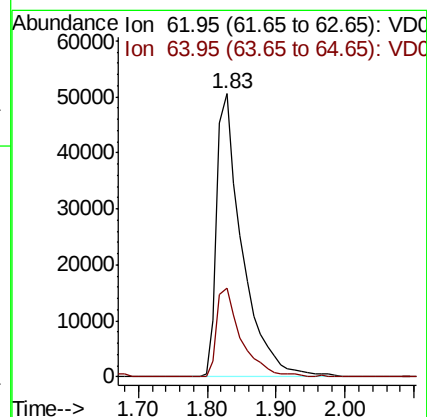
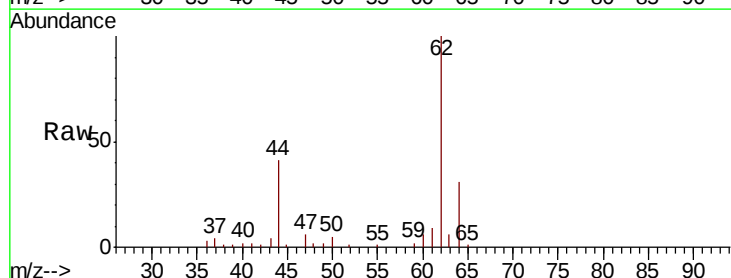
Acq: 6 Sep 2018 13:05

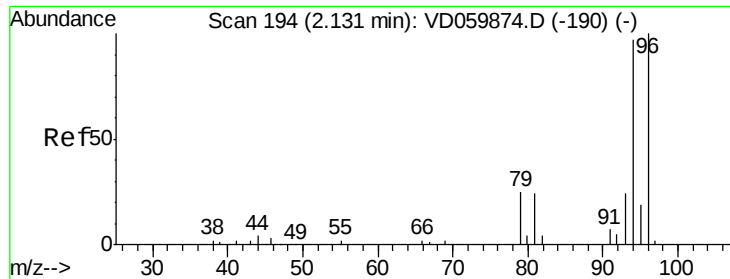
Tgt Ion: 62 Resp: 129594

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.6





#5

Bromomethane

Concen: 8.10 ug/l

RT: 2.10 min Scan# 59

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

Tot Ion: 94 Resp: 10974

Ion Ratio Lower Upper

94 100

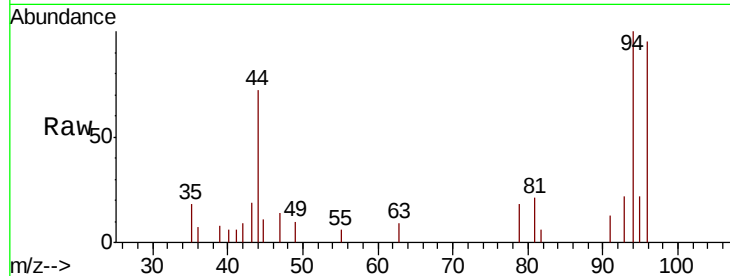
96 95.1 82.4 123.6

Manual Integrations

APPROVED

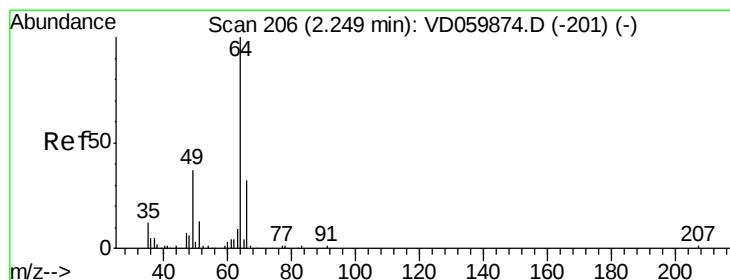
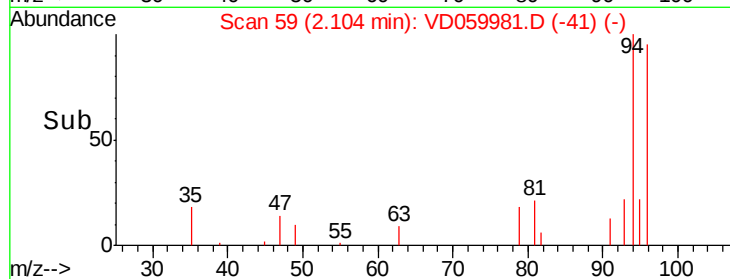
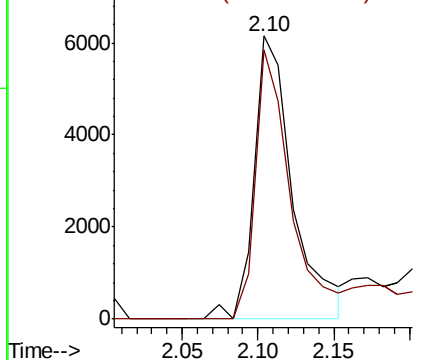
apatel

9/7/2018 10:24:29 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.52 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.03 min

Lab File: VD059981.D

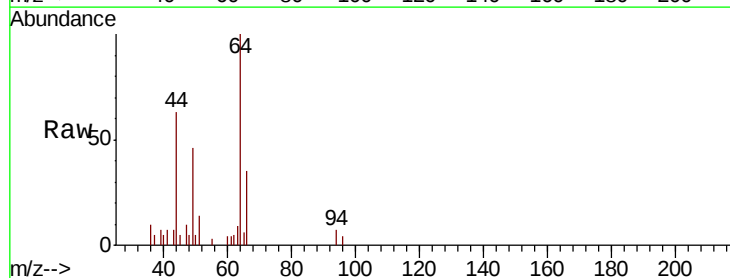
Acq: 6 Sep 2018 13:05

Tgt Ion: 64 Resp: 32667

Ion Ratio Lower Upper

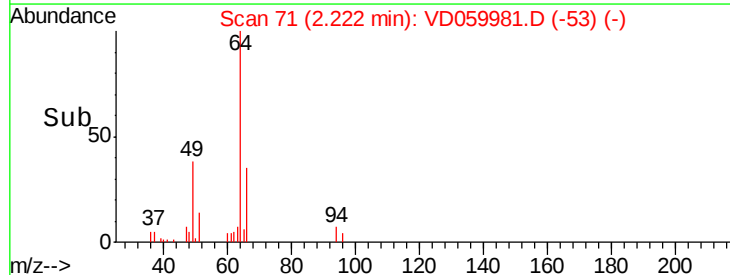
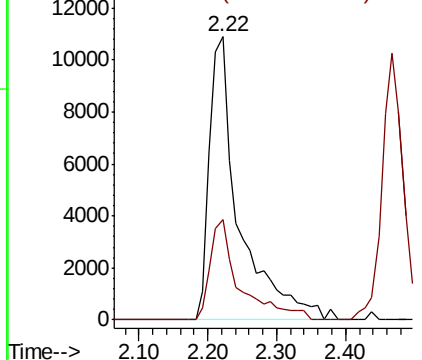
64 100

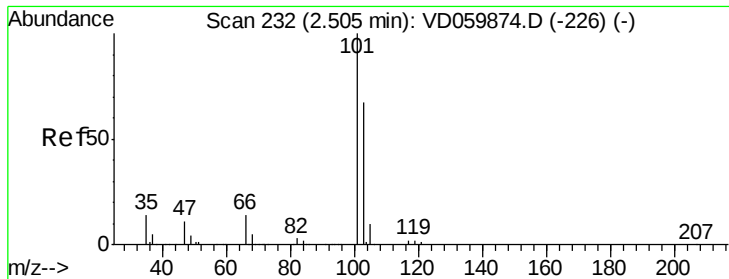
66 35.4 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 17.58 ug/l

RT: 2.47 min Scan# 96

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Tot Ion: 101 Resp: 159537

Ion Ratio Lower Upper

101 100

103 66.8 53.7 80.5

Instrument :

MSVOA_D

ClientSampleId :

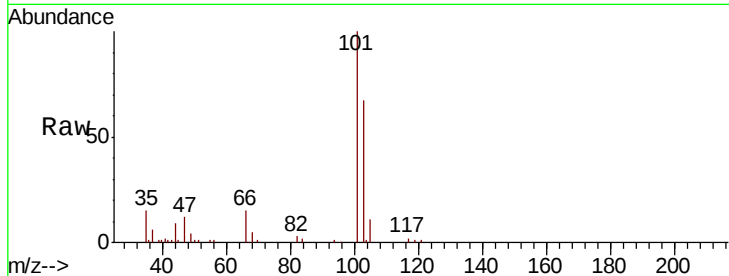
VD0906SBS01

Manual Integrations

APPROVED

apatel

9/7/2018 10:24:29 AM



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.47

80000

60000

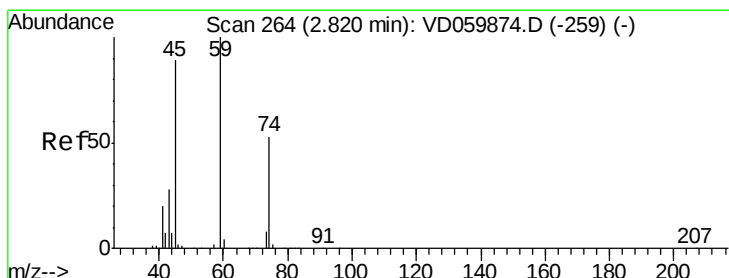
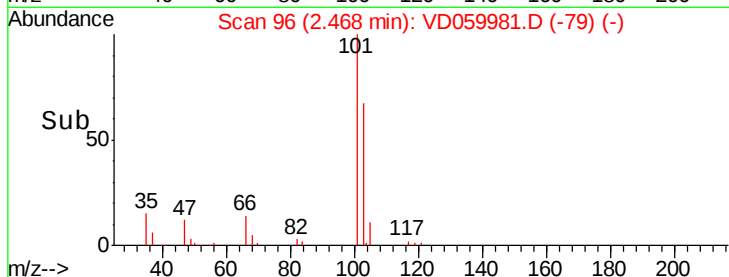
40000

20000

0

Time-->

2.40 2.50 2.60 2.70



#8

Diethyl Ether

Concen: 17.94 ug/l

RT: 2.79 min Scan# 129

Delta R.T. -0.03 min

Lab File: VD059981.D

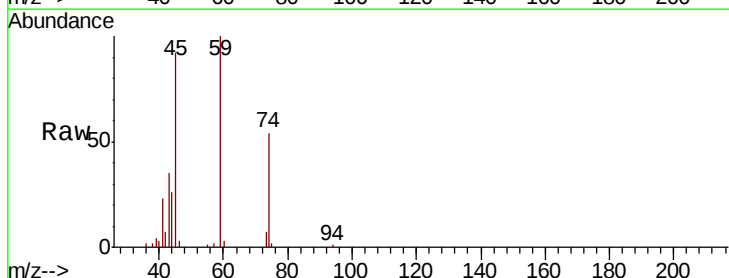
Acq: 6 Sep 2018 13:05

Tgt Ion: 74 Resp: 36517

Ion Ratio Lower Upper

74 100

45 169.7 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

30000

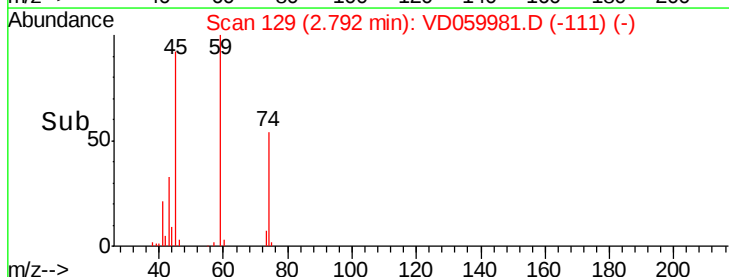
20000

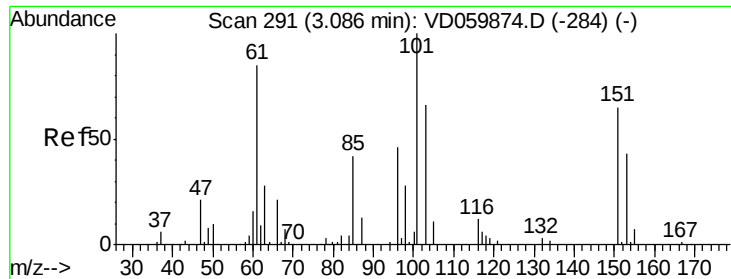
10000

0

Time-->

2.70 2.75 2.80 2.85 2.90





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.48 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

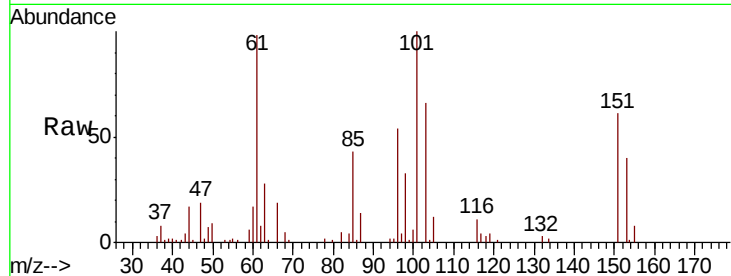
ClientSampleId :

VD0906SBS01

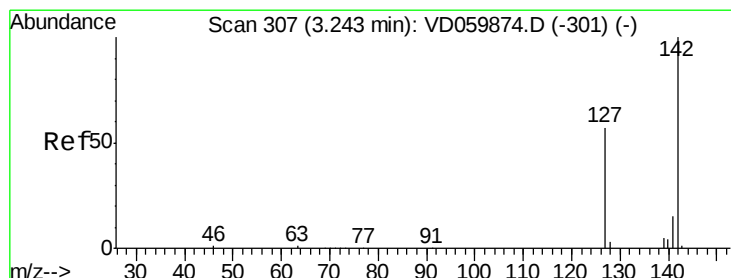
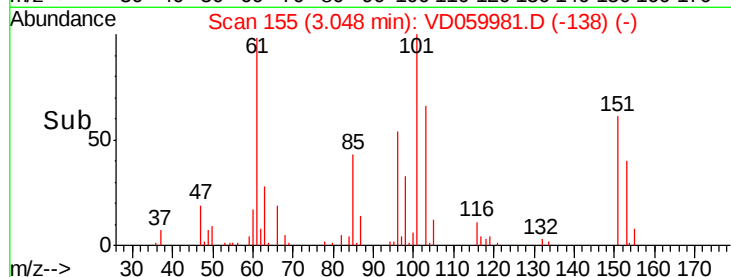
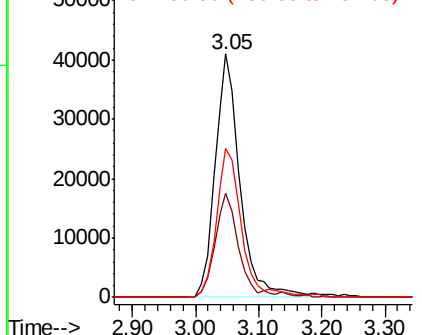
Tot Ion:	101	Resp:	113803
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.6	50.4
151	60.9	52.0	78.0

Manual Integrations
APPROVED

apatel
9/7/2018 10:24:29 AM



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.79 ug/l

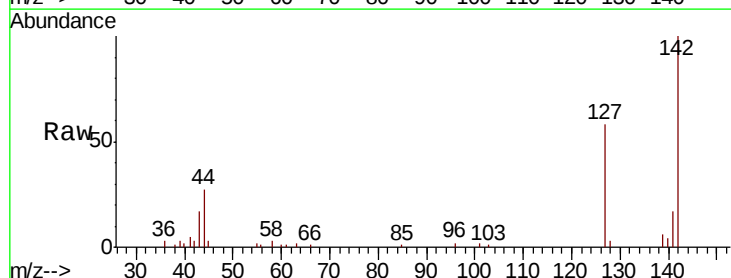
RT: 3.21 min Scan# 171

Delta R.T. -0.04 min

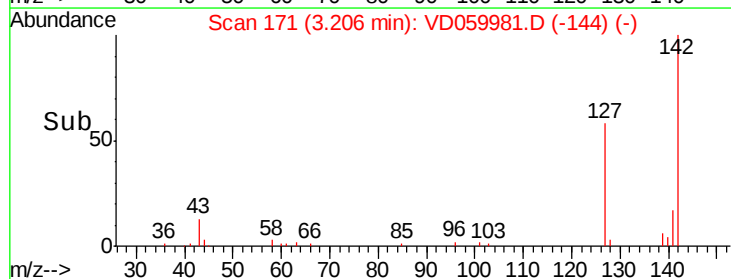
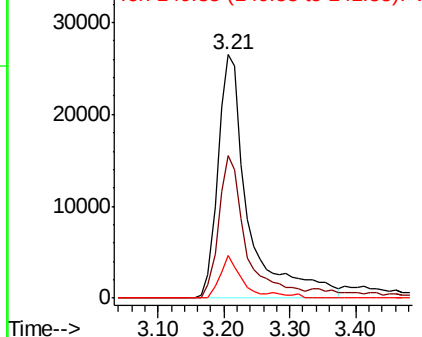
Lab File: VD059981.D

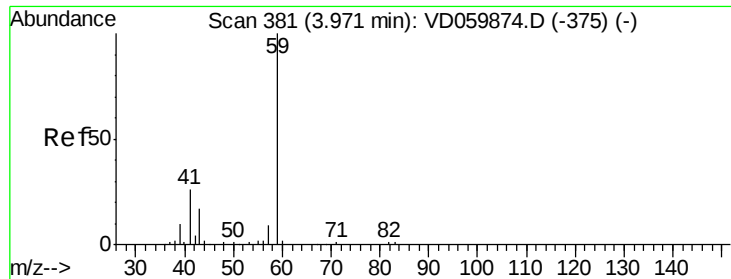
Acq: 6 Sep 2018 13:05

Tgt Ion:	142	Resp:	84727
Ion Ratio	Lower	Upper	
142	100		
127	58.4	45.8	68.6
141	17.4	11.6	17.4#



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





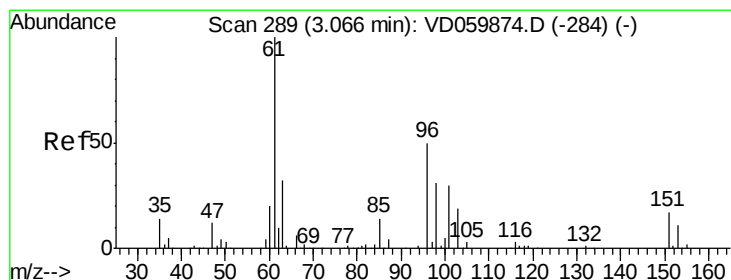
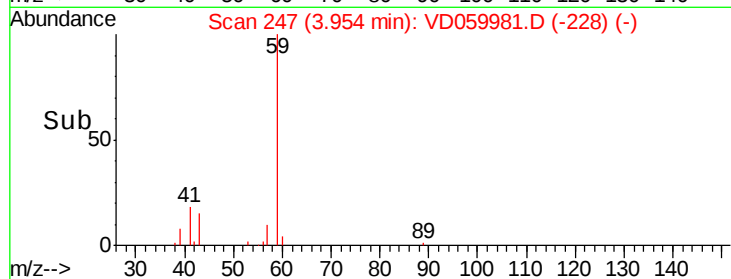
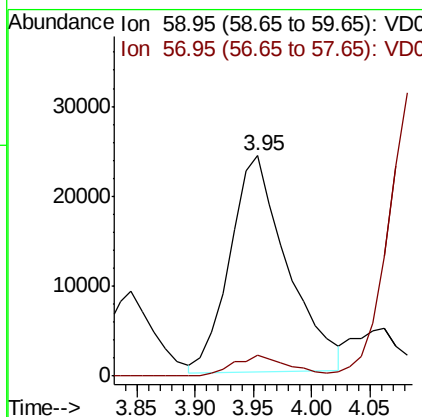
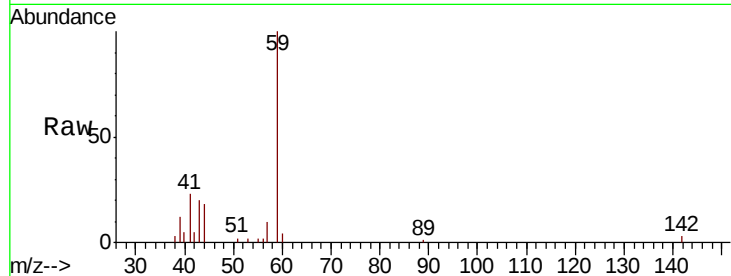
#11
Tert butyl alcohol
Concen: 103.55 ug/l
RT: 3.95 min Scan# 247
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	59	Resp	82251
Ion Ratio	100	Lower	Upper
59	100		
57	9.8	7.4	11.0

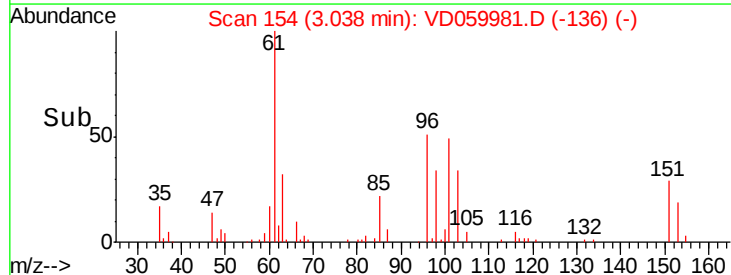
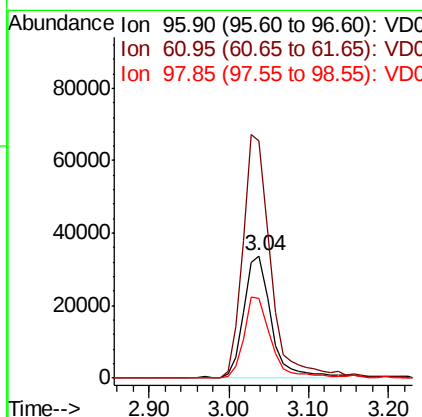
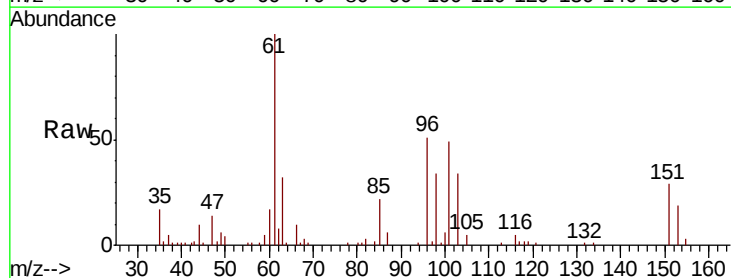
Manual Integrations
APPROVED

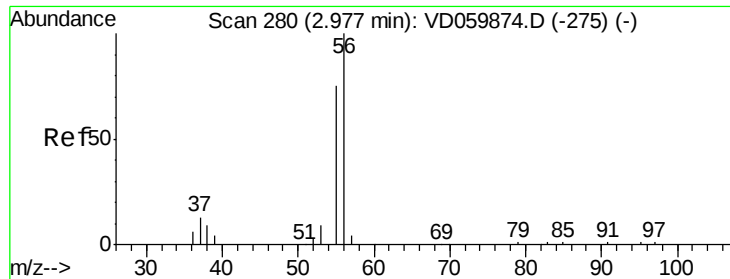
apatel
9/7/2018 10:24:29 AM



#12
1,1-Dichloroethene
Concen: 18.56 ug/l
RT: 3.04 min Scan# 154
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	96	Resp	80304
Ion Ratio	100	Lower	Upper
96	100		
61	194.6	158.8	238.2
98	65.8	48.7	73.1





#13

Acrolein

Concen: 51.72 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

Tot Ion: 56 Resp: 17819

Ion Ratio Lower Upper

56 100

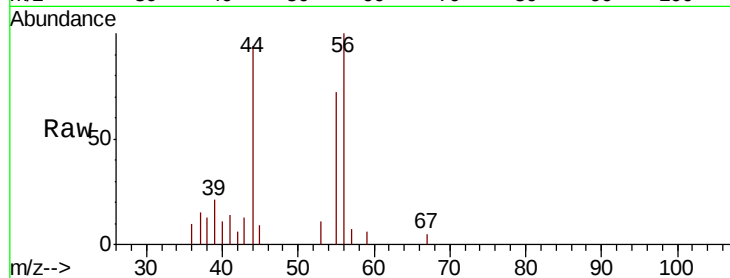
55 71.9 61.9 92.9

Manual Integrations

APPROVED

apatel

9/7/2018 10:24:29 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.95

8000

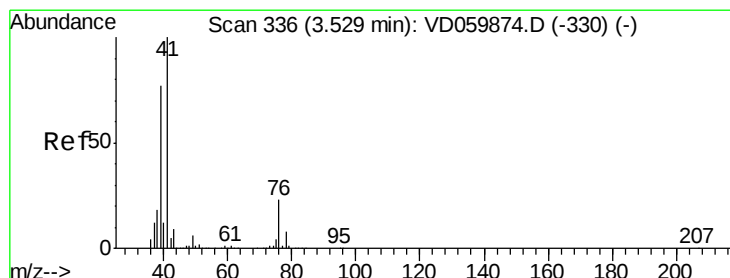
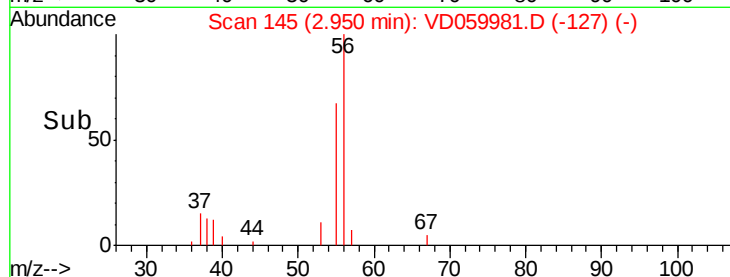
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 19.85 ug/l

RT: 3.49 min Scan# 200

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

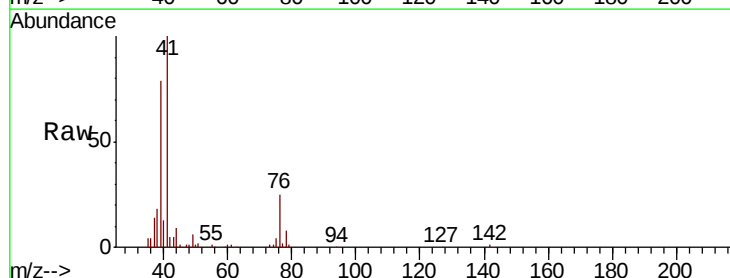
Tgt Ion: 41 Resp: 194298

Ion Ratio Lower Upper

41 100

39 78.7 61.8 92.6

76 25.2 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

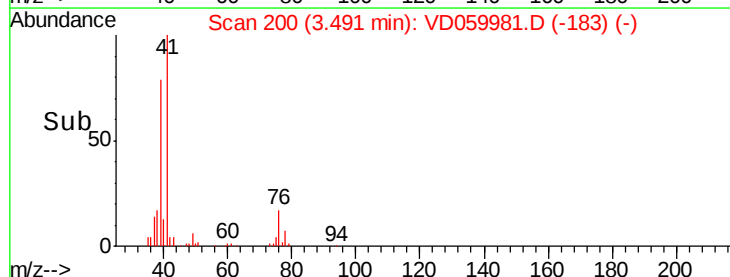
60000

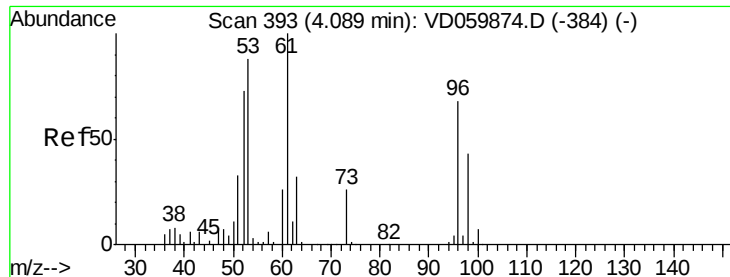
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 103.87 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

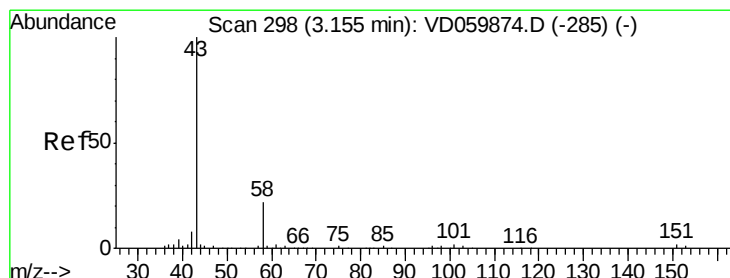
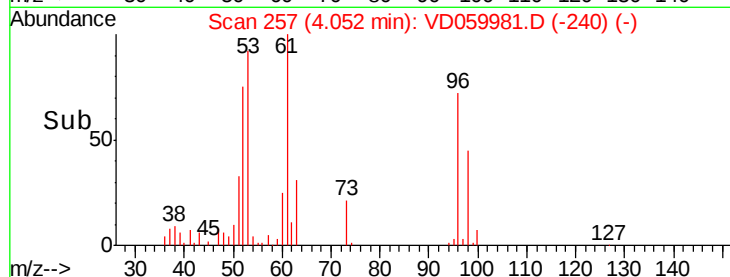
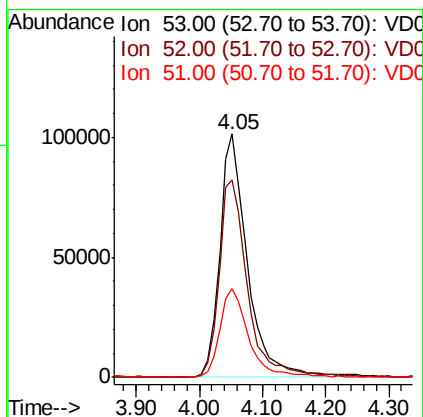
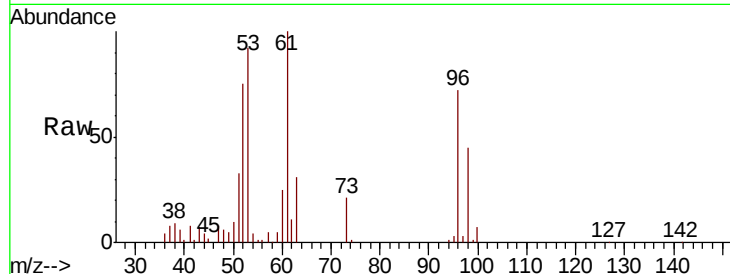
ClientSampleID :

VD0906SBS01

Tot Ion:	53	Resp:	308992
Ion Ratio	Lower	Upper	
53	100		
52	81.2	66.9	100.3
51	36.4	30.3	45.5

Manual Integrations
APPROVED

apatel
9/7/2018 10:24:29 AM



#16

Acetone

Concen: 94.65 ug/l

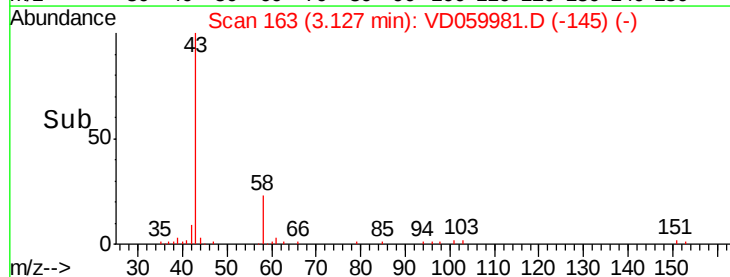
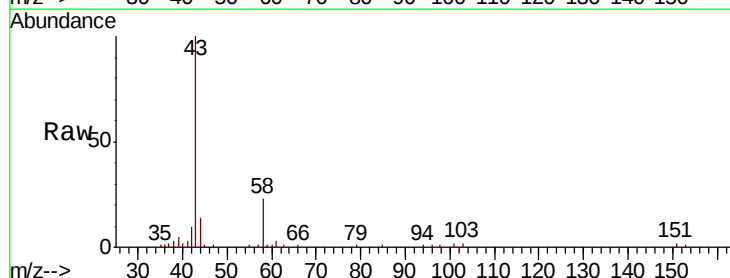
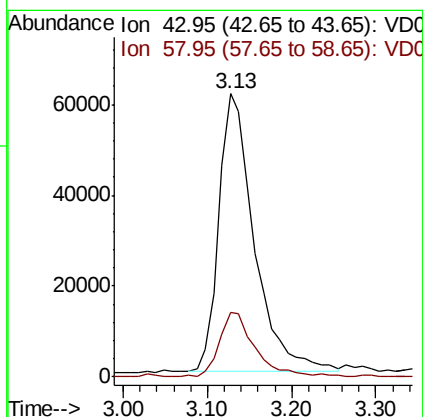
RT: 3.13 min Scan# 163

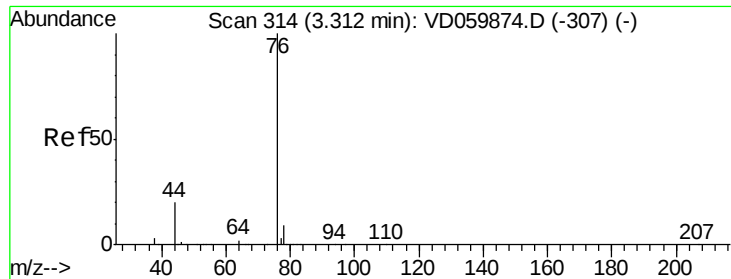
Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Tgt Ion:	43	Resp:	179515
Ion Ratio	Lower	Upper	
43	100		
58	22.6	17.6	26.4





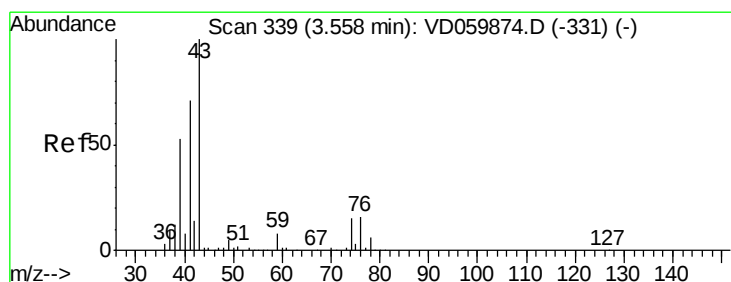
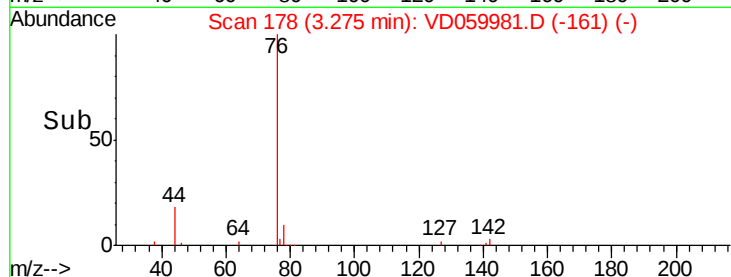
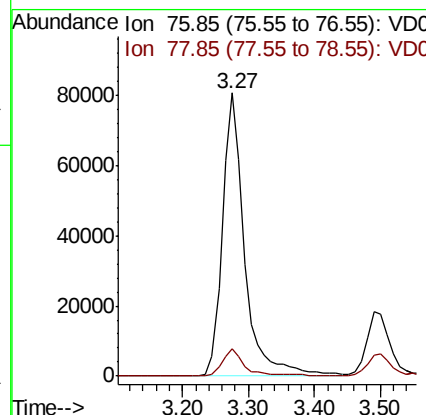
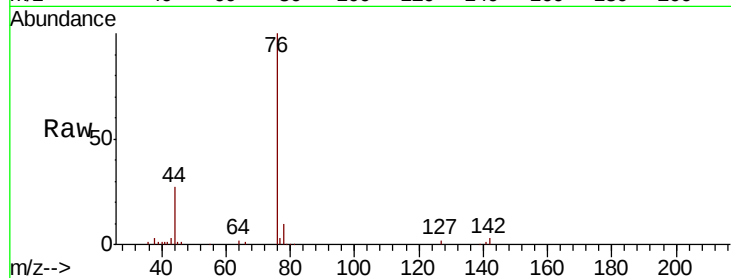
#17
Carbon Disulfide
Concen: 14.07 ug/l
RT: 3.27 min Scan# 178
Delta R.T. -0.04 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.4	11.2

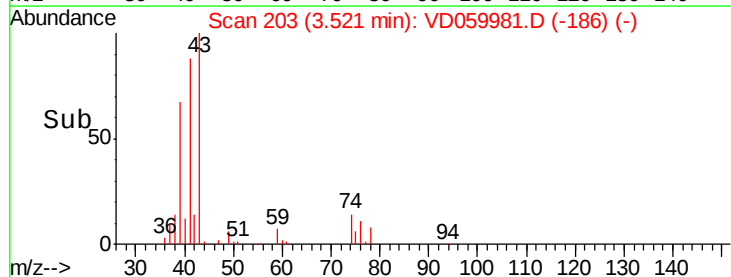
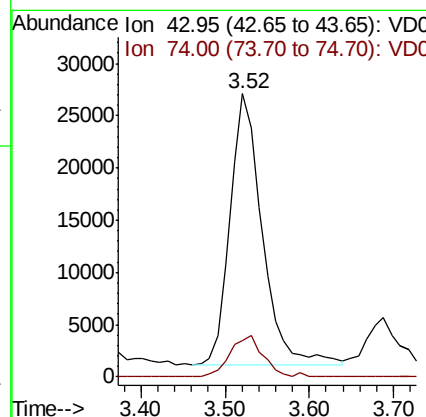
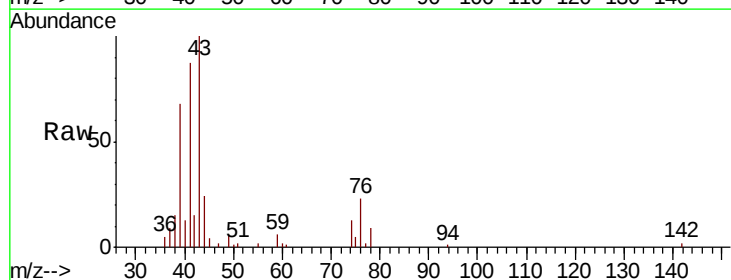
Manual Integrations
APPROVED

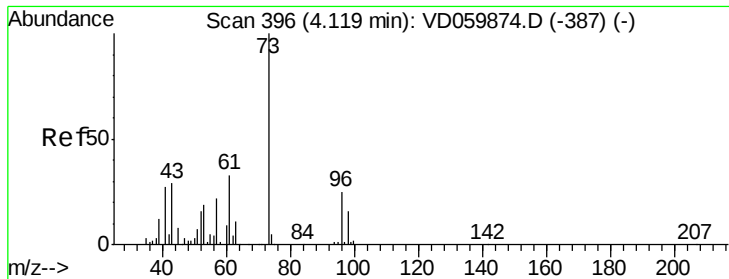
apatel
9/7/2018 10:24:29 AM



#18
Methyl Acetate
Concen: 17.27 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.04 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.1	11.2	16.8





#19

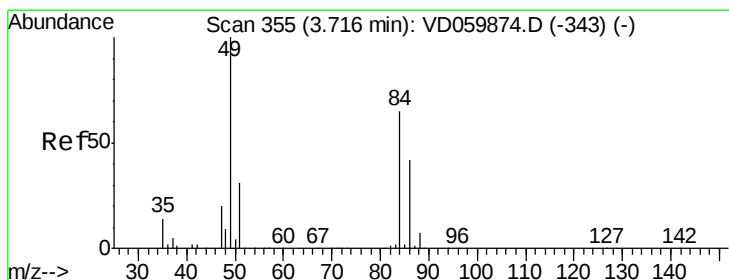
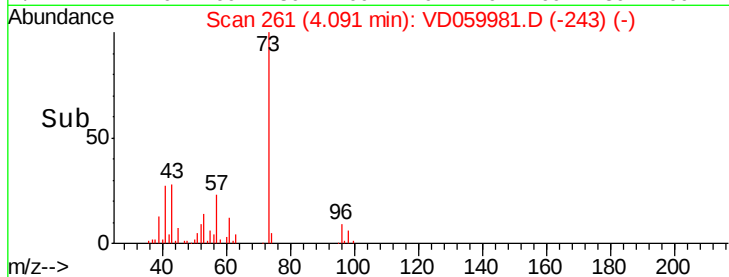
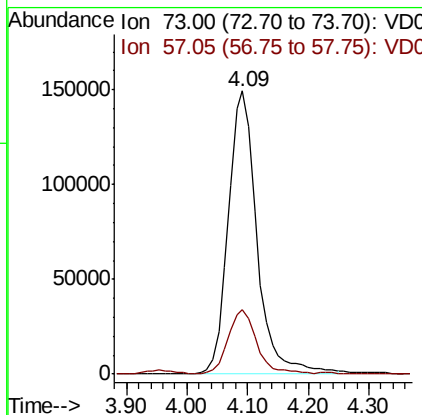
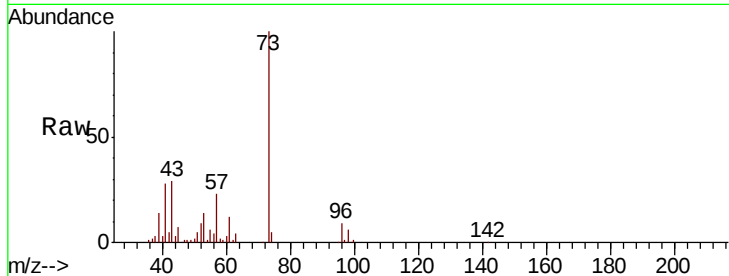
Methyl tert-butyl Ether
 Concen: 20.07 ug/l
 RT: 4.09 min Scan# 261
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.9	26.9

Manual Integrations
 APPROVED

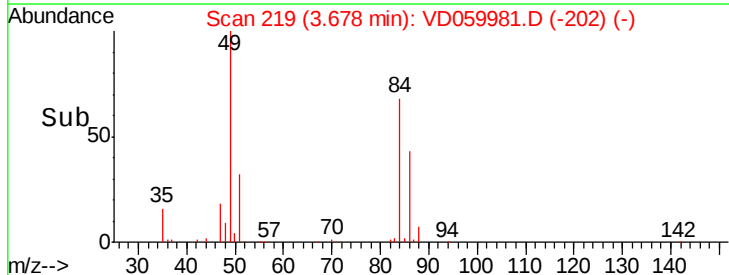
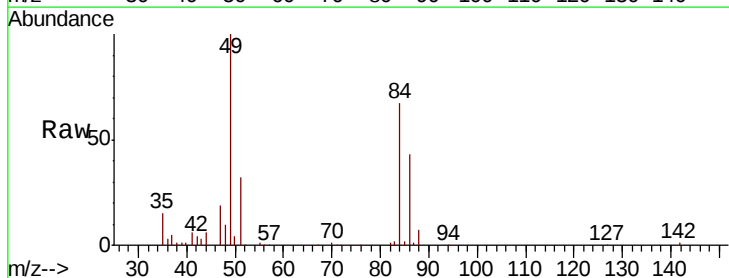
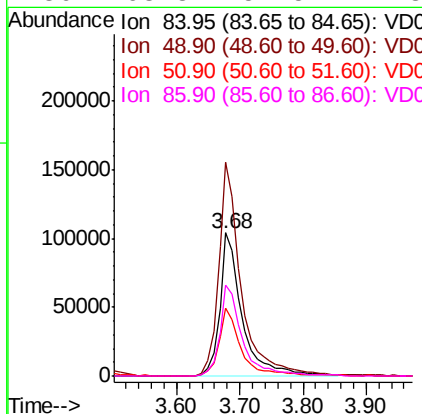
apatel
 9/7/2018 10:24:29 AM



#20

Methylene Chloride
 Concen: 18.05 ug/l
 RT: 3.68 min Scan# 219
 Delta R.T. -0.04 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.4	122.6	183.8
51	47.4	38.4	57.6
86	63.8	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 18.59 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.05 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

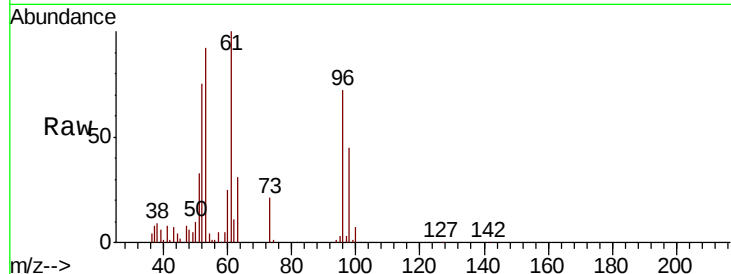
ClientSampleId :

VD0906SBS01

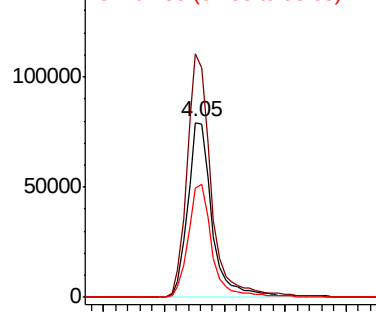
Tot Ion:	96	Resp:	221603
Ion	Ratio	Lower	Upper
96	100		
61	139.0	110.2	165.4
98	62.0	50.9	76.3

Manual Integrations
APPROVED

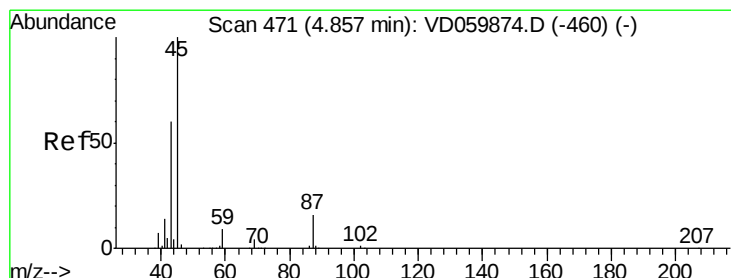
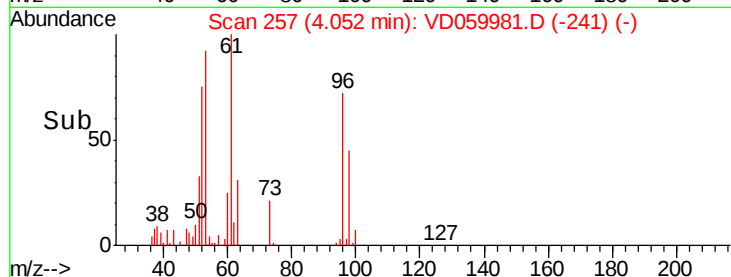
apatel
9/7/2018 10:24:29 AM



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



Time-->



#22

Diisopropyl ether

Concen: 20.16 ug/l

RT: 4.82 min Scan# 335

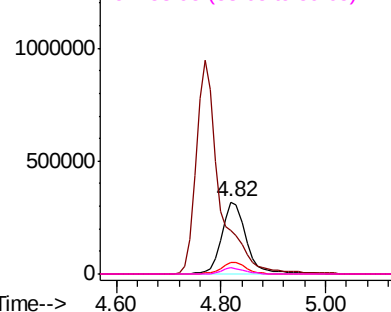
Delta R.T. -0.04 min

Lab File: VD059981.D

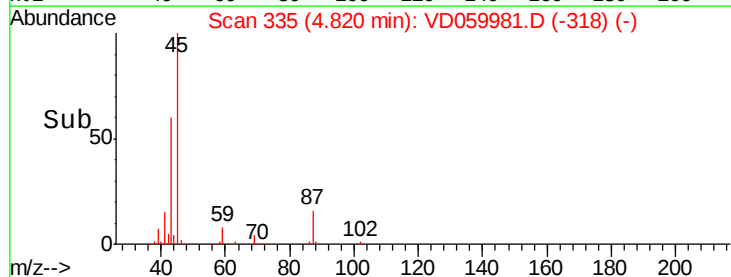
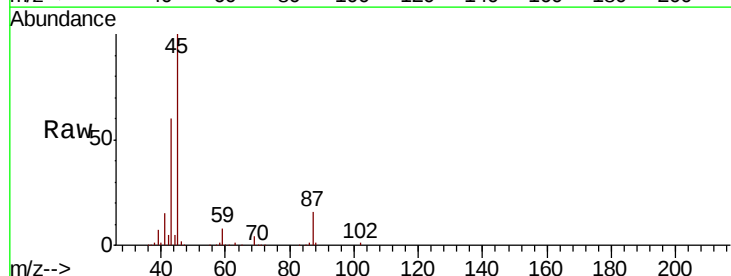
Acq: 6 Sep 2018 13:05

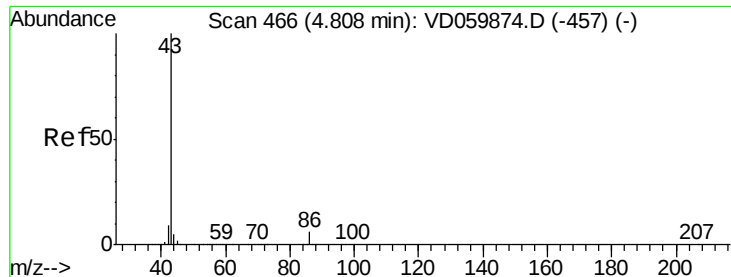
Tgt Ion:	45	Resp:	1006202
Ion	Ratio	Lower	Upper
45	100		
43	59.8	48.6	72.8
87	16.0	13.3	19.9
59	8.3	7.1	10.7

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC



Time-->





#23

Vinyl Acetate

Concen: 104.64 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleID :

VD0906SBS01

Tot Ion: 43 Resp: 2919408

Ion Ratio Lower Upper

43 100

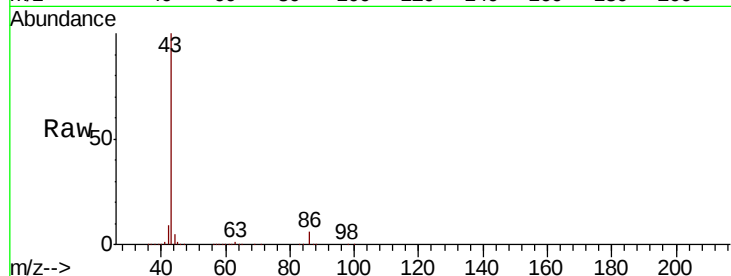
86 6.4 5.0 7.6

Manual Integrations

APPROVED

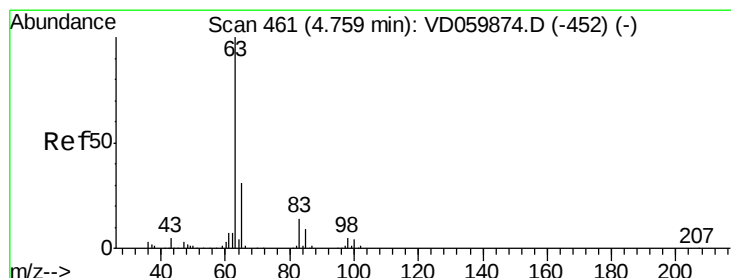
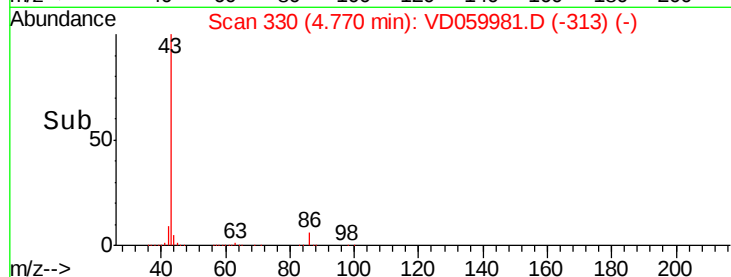
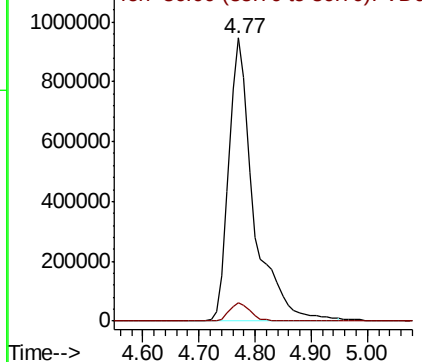
apatel

9/7/2018 10:24:29 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.75 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

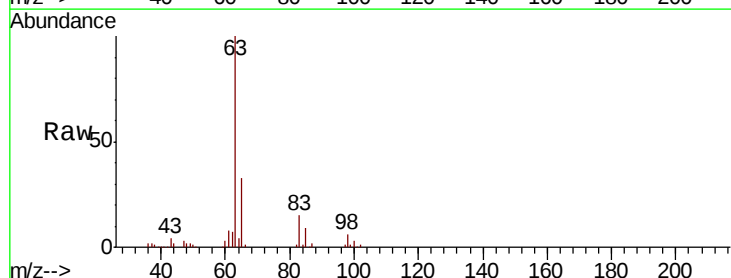
Tgt Ion: 63 Resp: 425911

Ion Ratio Lower Upper

63 100

98 5.8 2.7 8.1

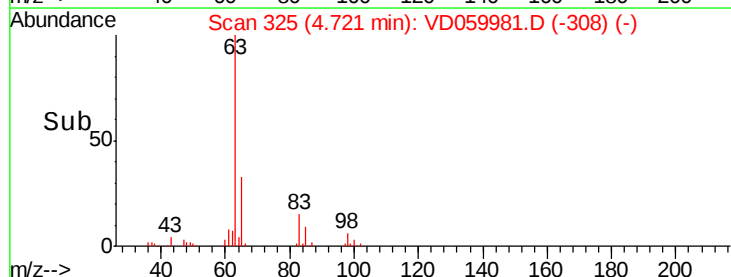
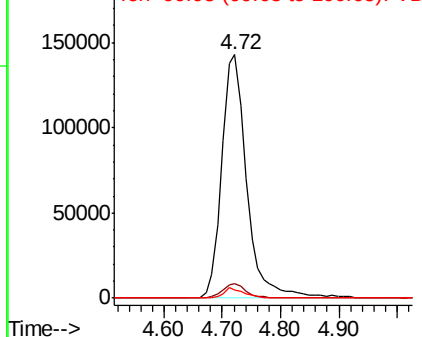
100 3.4 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 89.77 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

Tot Ion: 43 Resp: 504291

Ion Ratio Lower Upper

43 100

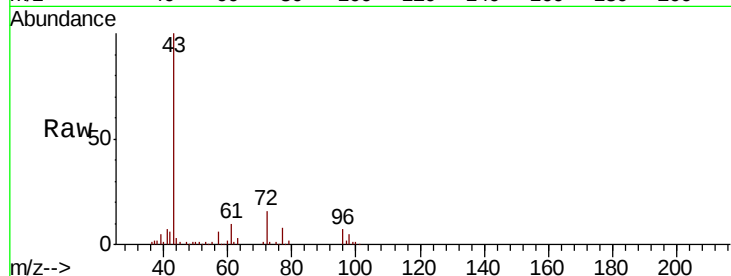
72 16.5 12.3 18.5

Manual Integrations

APPROVED

apatel

9/7/2018 10:24:29 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

100000

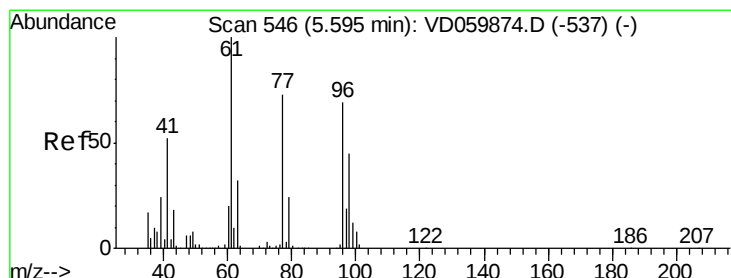
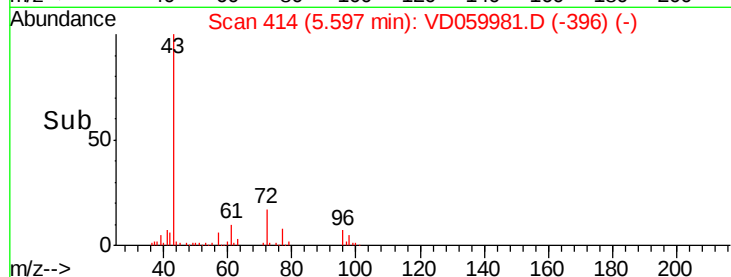
50000

0

5.50

5.60

Time-->



#26

2,2-Dichloropropane

Concen: 19.41 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.04 min

Lab File: VD059981.D

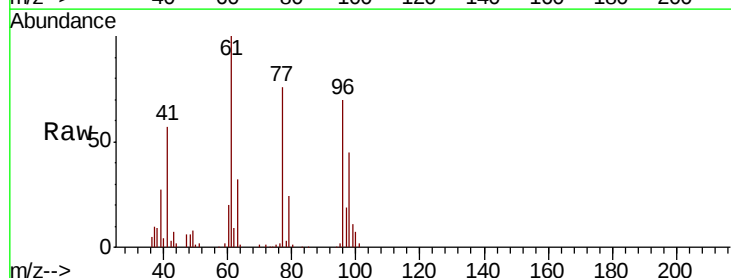
Acq: 6 Sep 2018 13:05

Tgt Ion: 77 Resp: 349861

Ion Ratio Lower Upper

77 100

97 24.8 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

120000

100000

80000

60000

40000

20000

0

5.40

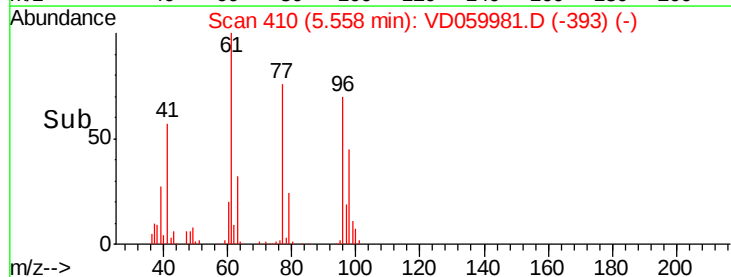
5.50

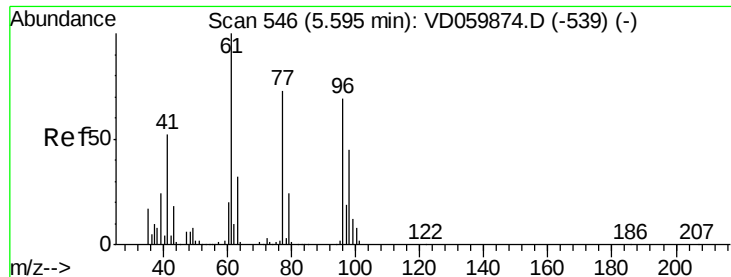
5.60

5.70

5.80

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.65 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

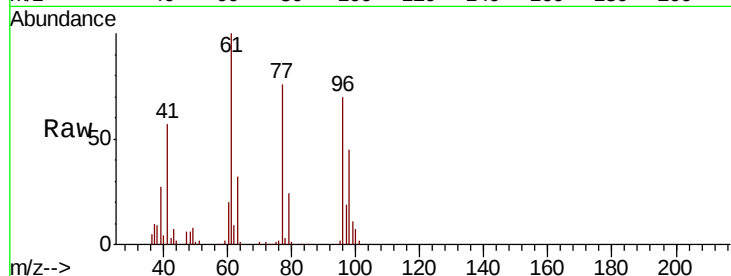
ClientSampleId :

VD0906SBS01

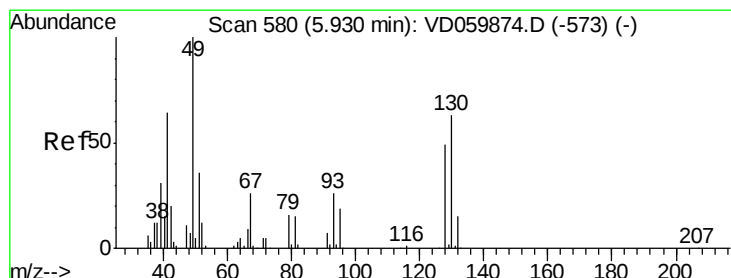
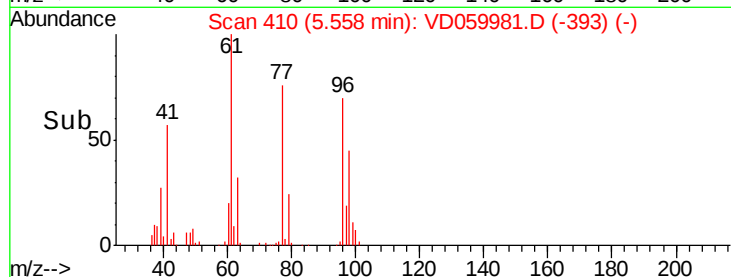
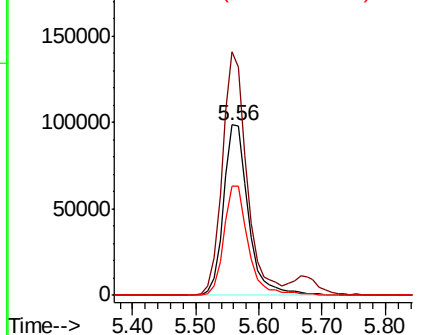
Tot Ion	Ratio	Resp	Lower	Upper
96	100	269462		
61	142.9	0.0	290.2	
98	63.8	0.0	130.4	

Manual Integrations
APPROVED

apatel
9/7/2018 10:24:29 AM



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: 20.16 ug/l

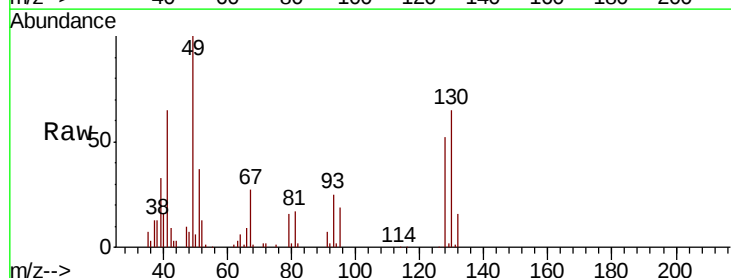
RT: 5.89 min Scan# 444

Delta R.T. -0.04 min

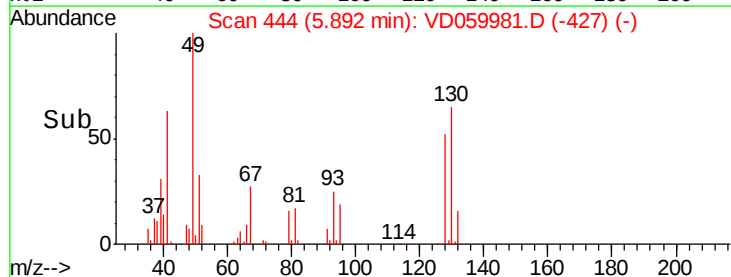
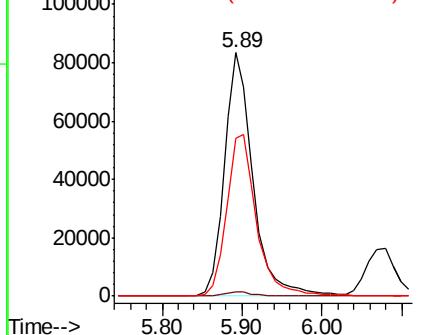
Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	208365		
129	1.9	0.0	3.2	
130	64.8	50.6	75.8	



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





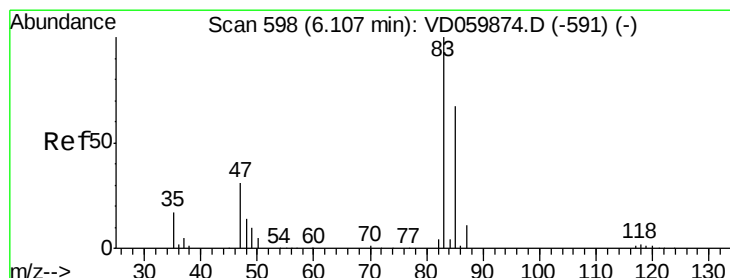
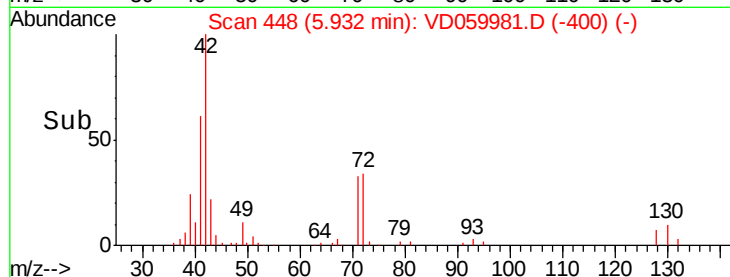
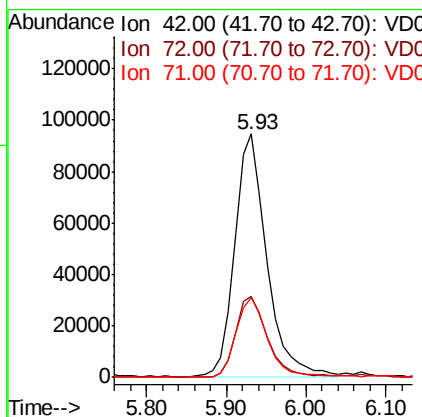
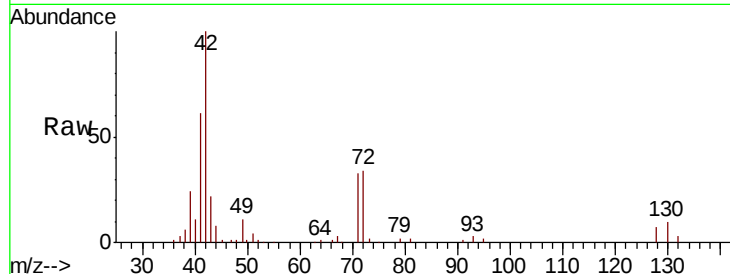
#29
Tetrahydrofuran
Concen: 99.36 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.3	25.7	38.5
71	32.3	25.3	37.9

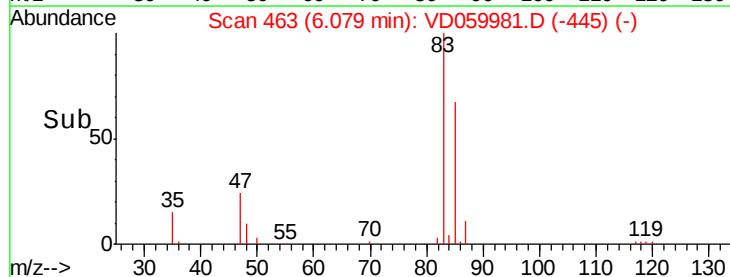
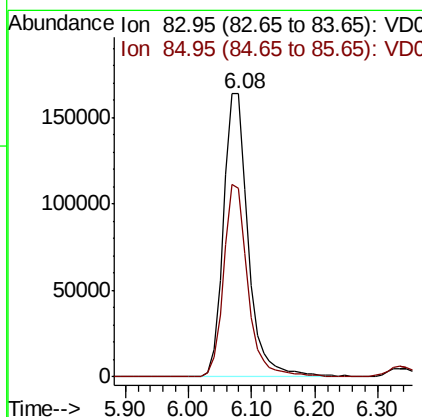
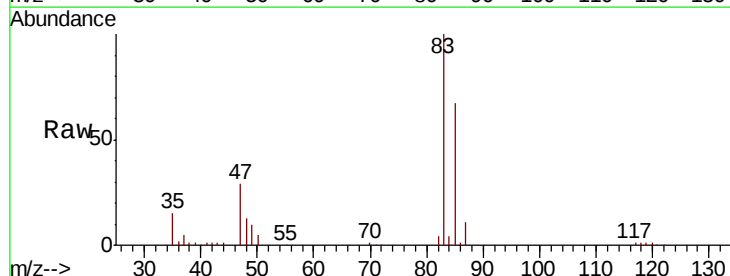
Manual Integrations
APPROVED

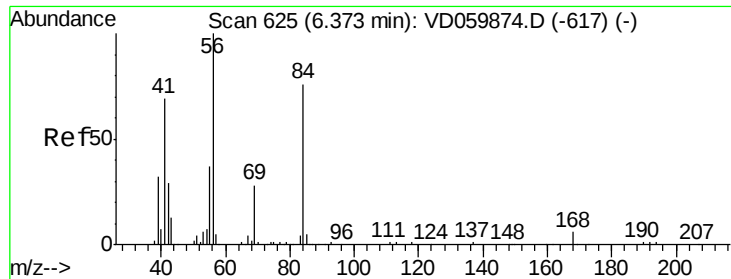
apatel
9/7/2018 10:24:29 AM



#30
Chloroform
Concen: 20.33 ug/l
RT: 6.08 min Scan# 463
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.5	80.3





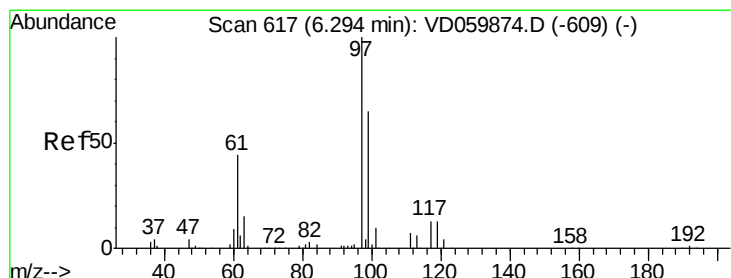
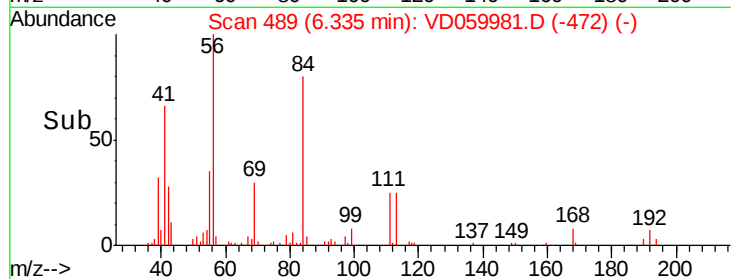
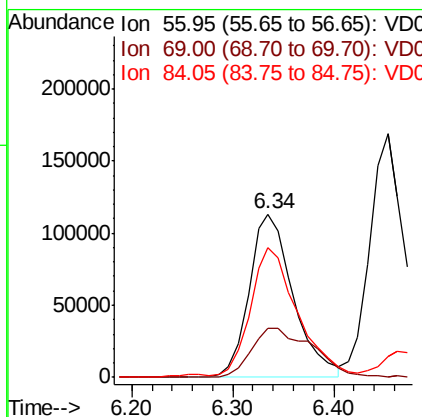
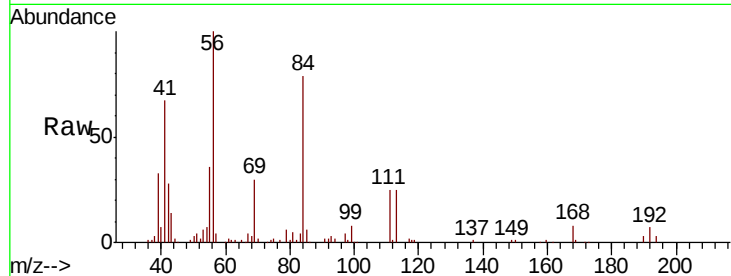
#31
Cyclohexane
Concen: 17.21 ug/l
RT: 6.34 min Scan# 489
Delta R.T. -0.04 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	22.4	33.6
84	79.4	62.1	93.1

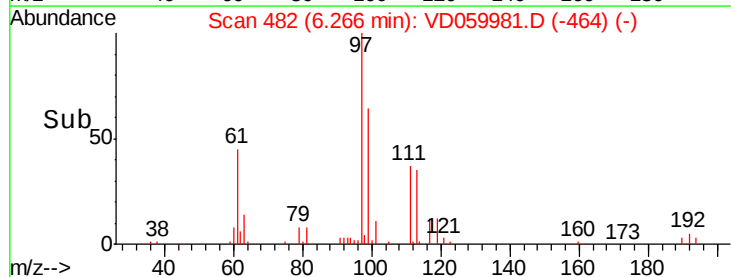
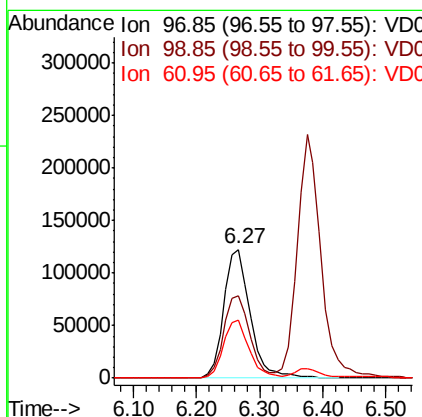
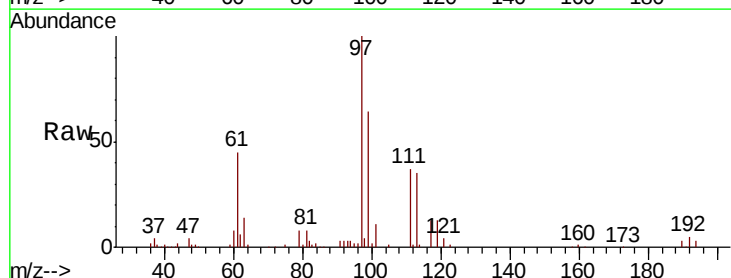
Manual Integrations
APPROVED

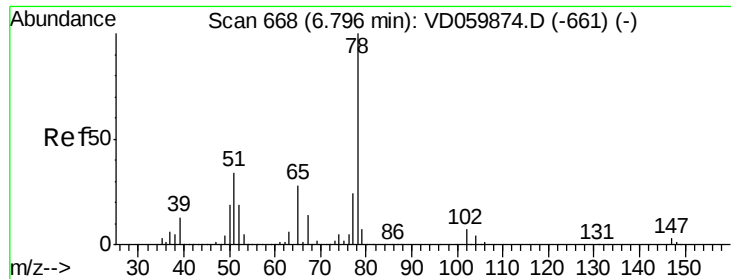
apatel
9/7/2018 10:24:29 AM



#32
1,1,1-Trichloroethane
Concen: 19.06 ug/l
RT: 6.27 min Scan# 482
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	44.7	35.4	53.2





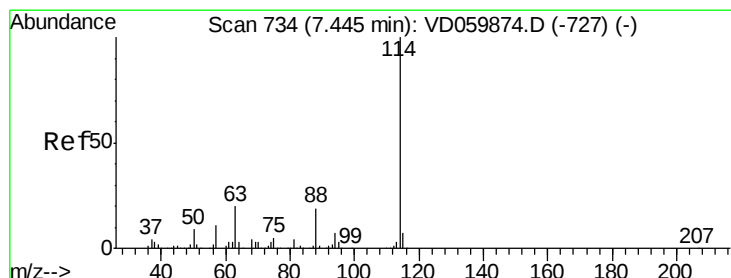
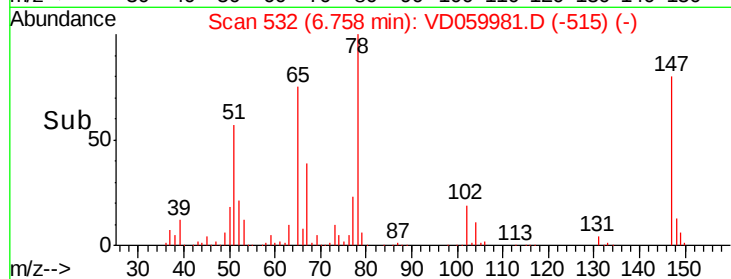
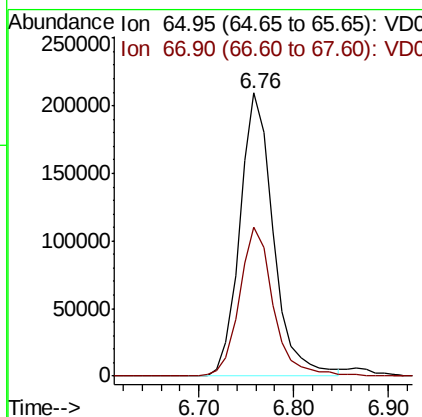
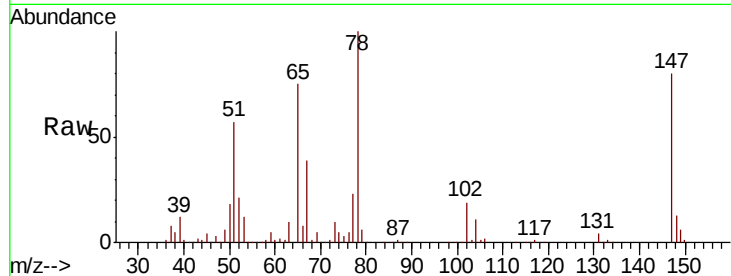
#33
 1,2-Dichloroethane-d4
 Concen: 19.06 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.04 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	103.8	

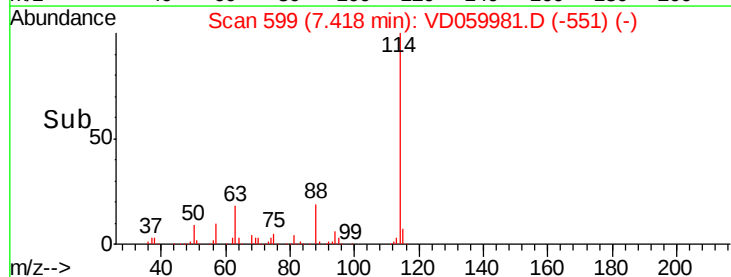
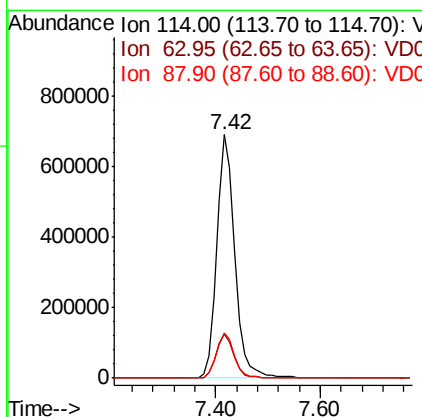
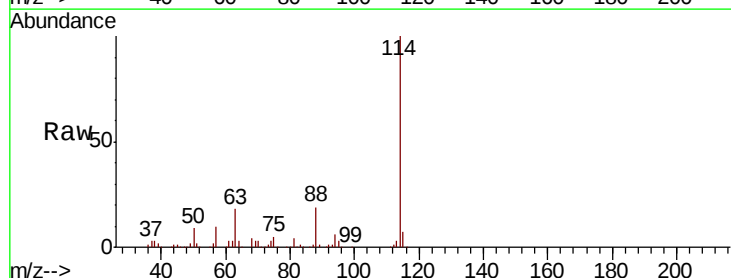
Manual Integrations
 APPROVED

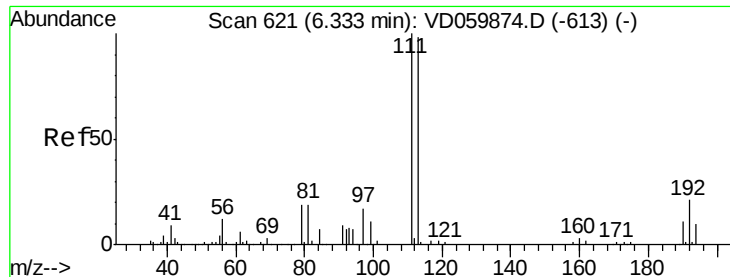
apatel
 9/7/2018 10:24:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	39.4	
88	18.7	0.0	37.6	





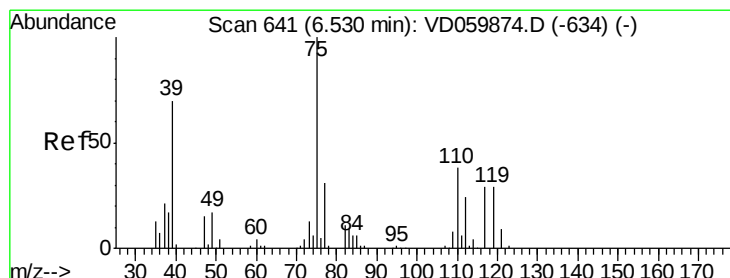
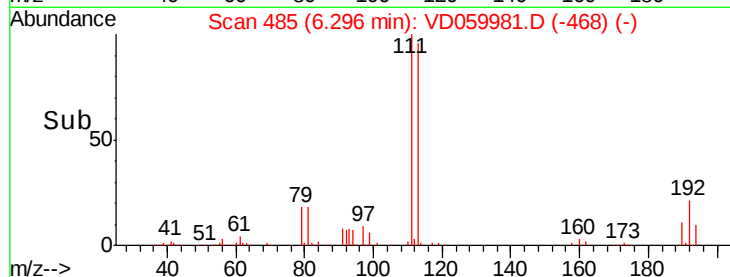
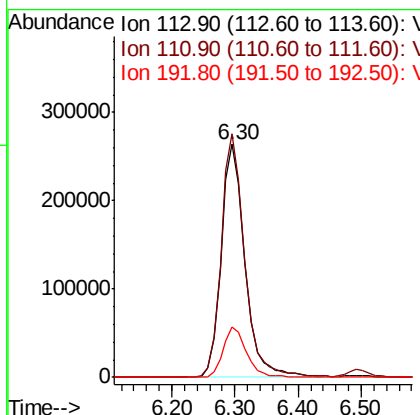
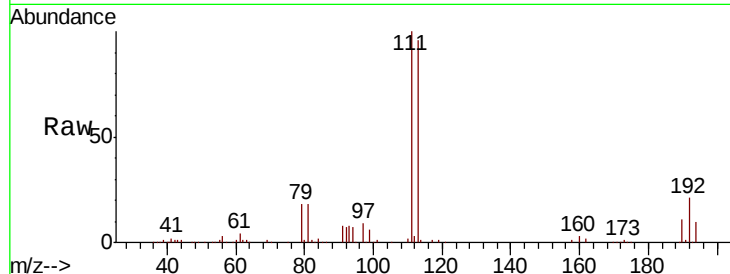
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.04 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	692116		
111	104.4	81.4	122.2	
192	21.7	17.0	25.6	

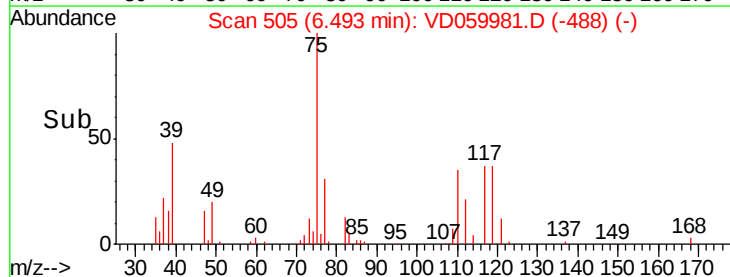
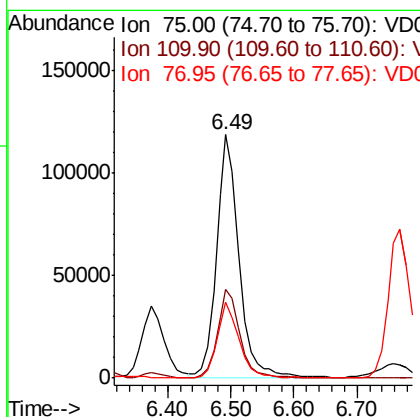
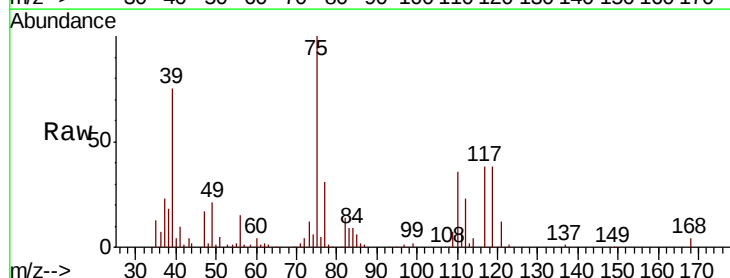
Manual Integrations
 APPROVED

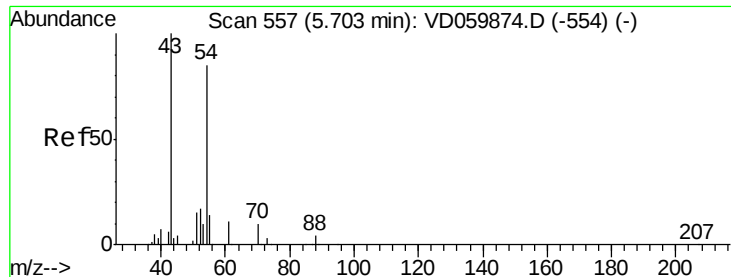
apatel
 9/7/2018 10:24:29 AM



#36
 1,1-Dichloropropene
 Concen: 19.60 ug/l
 RT: 6.49 min Scan# 505
 Delta R.T. -0.04 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	293935		
110	36.3	18.6	56.0	
77	31.3	25.1	37.7	





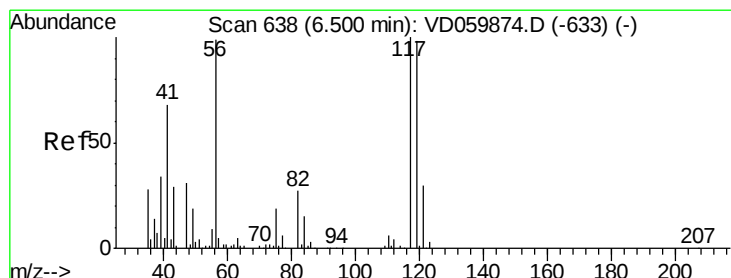
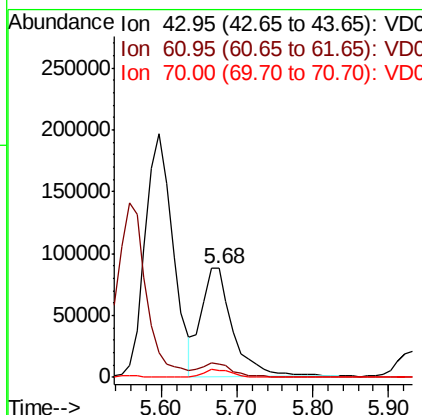
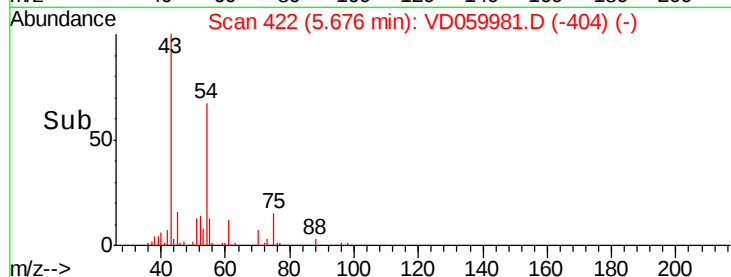
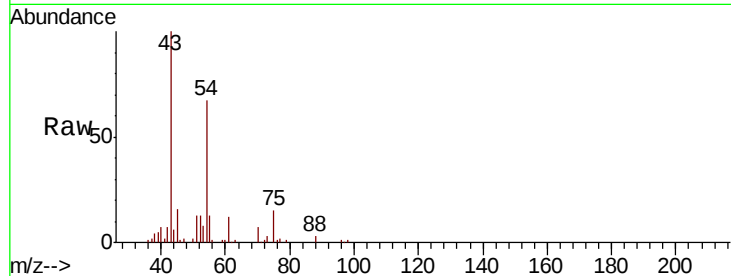
#37
Ethyl Acetate
Concen: 21.63 ug/l
RT: 5.68 min Scan# 422
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	11.0	16.6
70	6.8	5.7	8.5

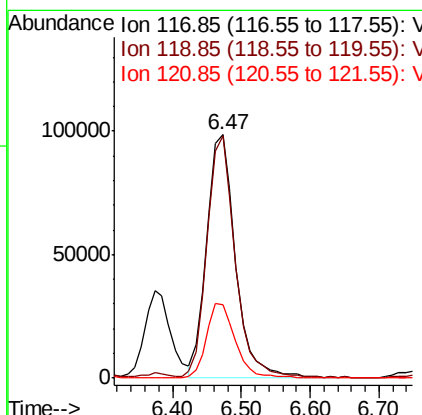
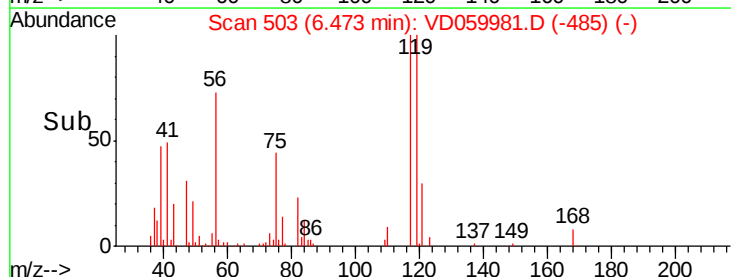
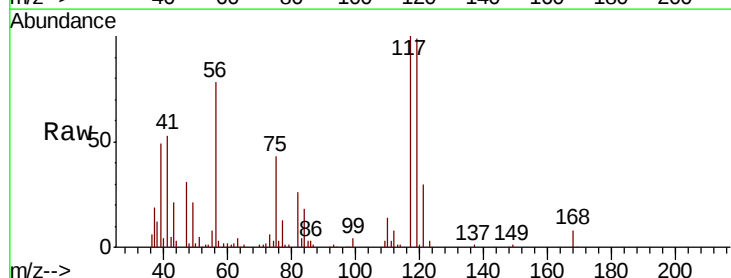
Manual Integrations
APPROVED

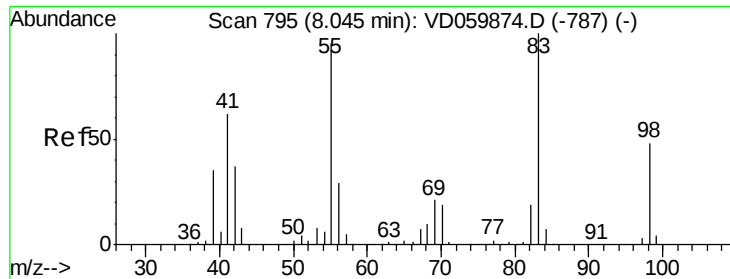
apatel
9/7/2018 10:24:29 AM



#38
Carbon Tetrachloride
Concen: 19.05 ug/l
RT: 6.47 min Scan# 503
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.2	115.8
121	29.9	24.0	36.0





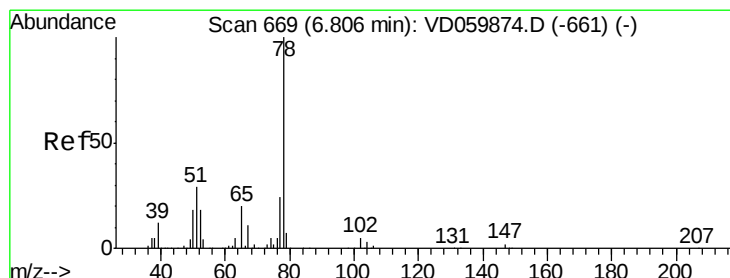
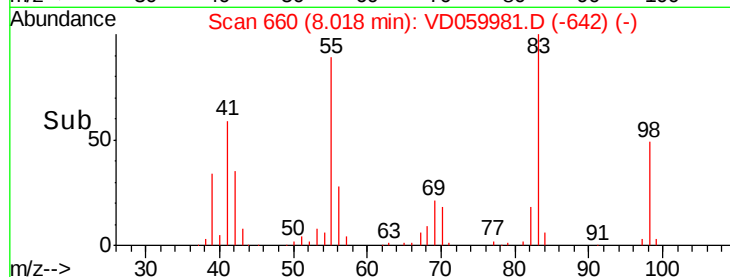
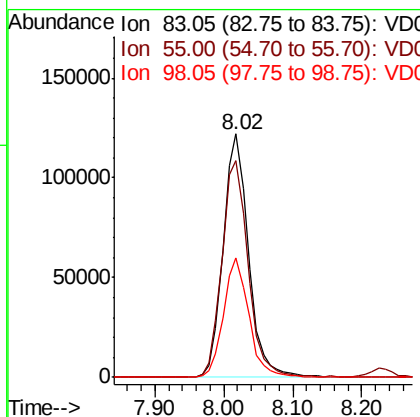
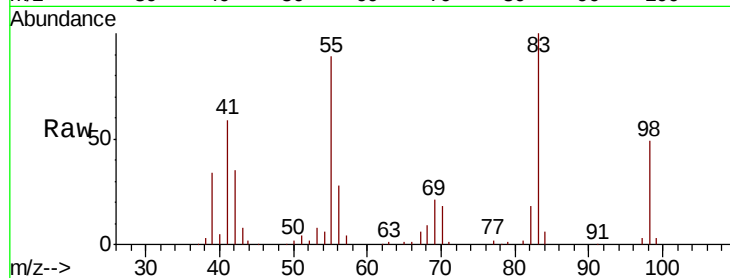
#39
Methvlcvclohexane
Concen: 19.19 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	83	Resp	310859
Ion Ratio	100	Lower	Upper
83	100		
55	89.0	75.8	113.6
98	48.9	38.3	57.5

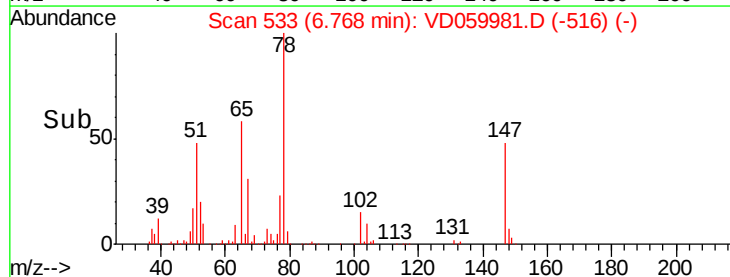
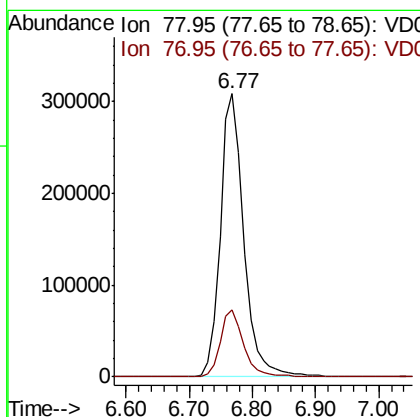
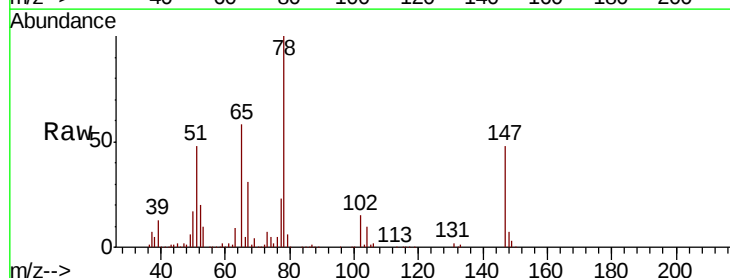
Manual Integrations
APPROVED

apatel
9/7/2018 10:24:29 AM



#40
Benzene
Concen: 20.43 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.04 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	78	Resp	796497
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	19.0	28.4





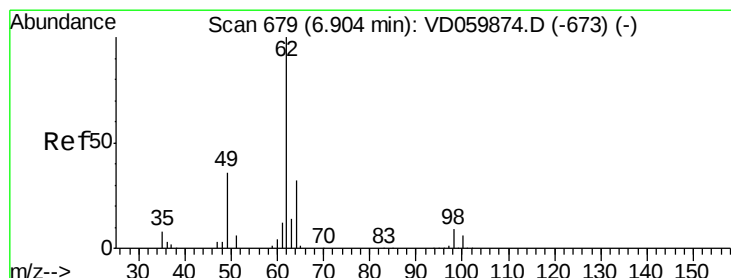
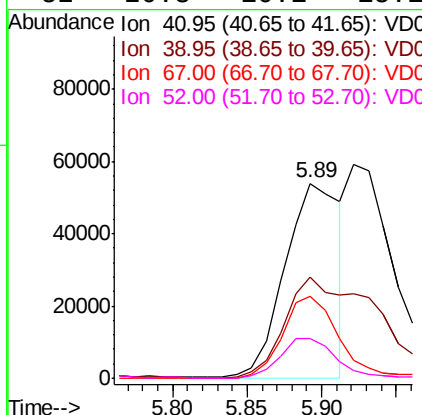
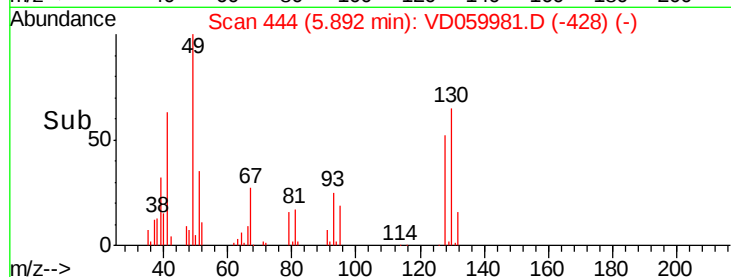
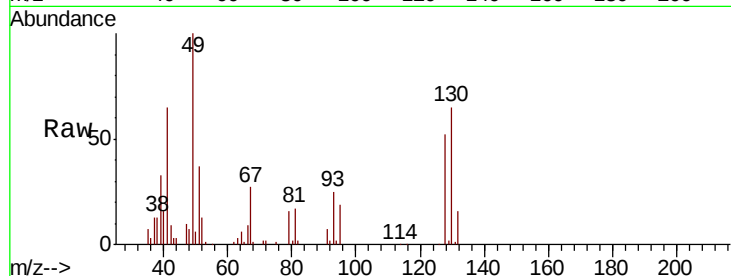
#41
Methacrylonitrile
Concen: 23.94 ug/l m
RT: 5.89 min Scan# 444
Delta R.T. -0.05 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.8	39.4	59.2
67	42.4	22.2	33.2#
52	20.3	10.1	15.1#

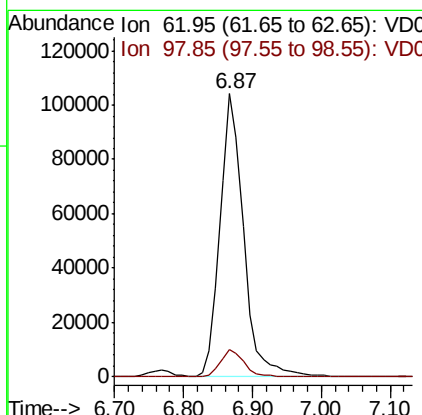
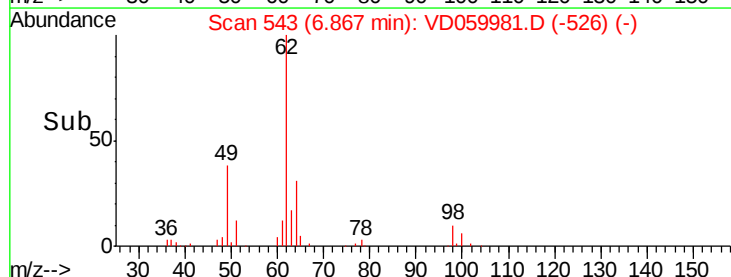
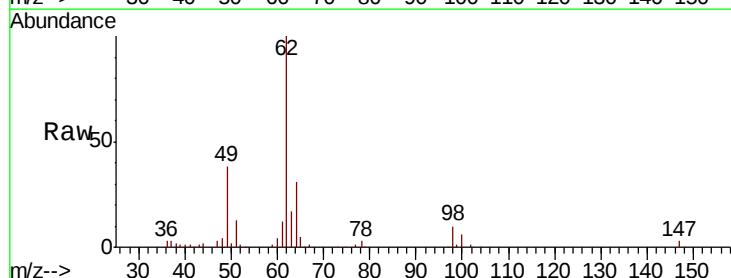
Manual Integrations
APPROVED

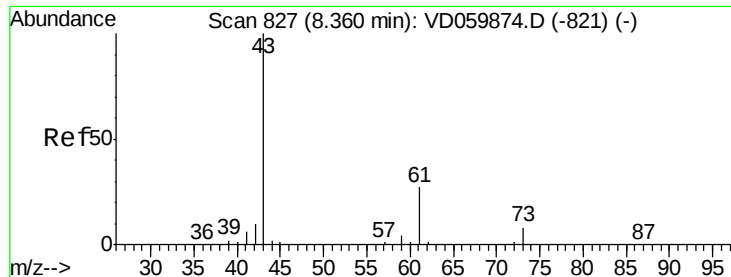
apatel
9/7/2018 10:24:29 AM



#42
1,2-Dichloroethane
Concen: 19.82 ug/l
RT: 6.87 min Scan# 543
Delta R.T. -0.04 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4





#43

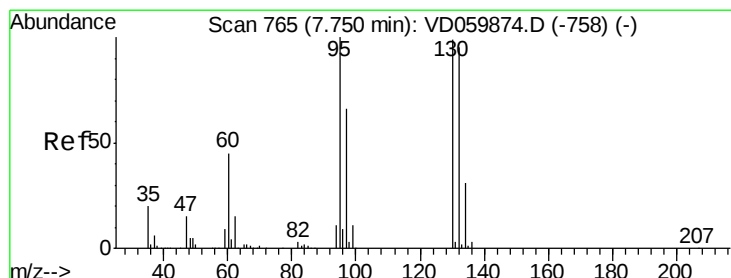
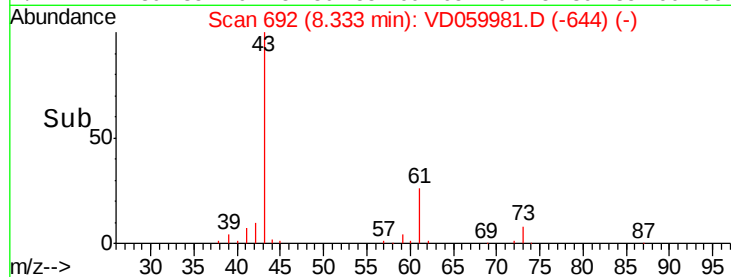
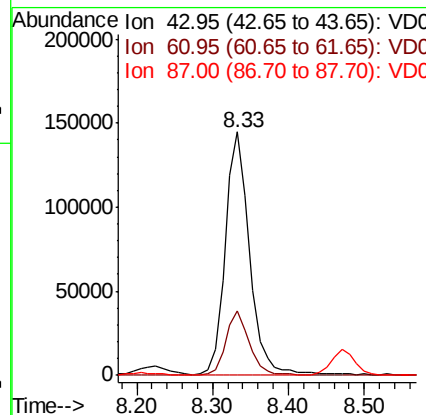
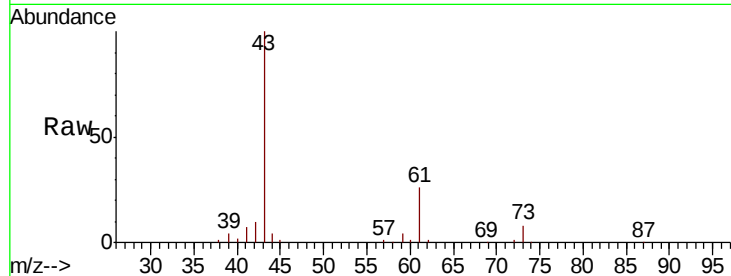
Isopropyl Acetate
 Concen: 20.91 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.4	32.2
87	0.3	0.2	0.4

Manual Integrations
 APPROVED

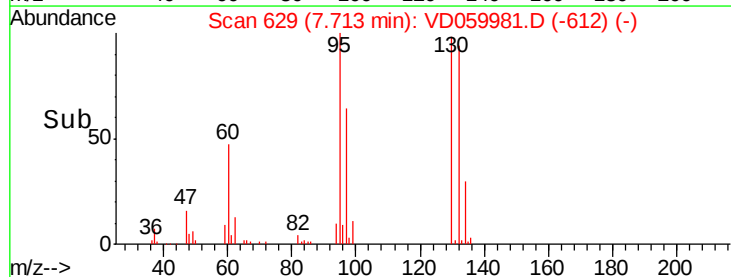
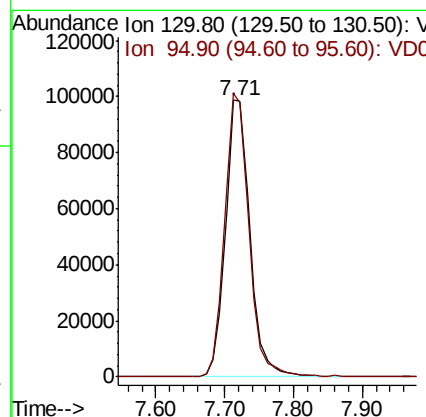
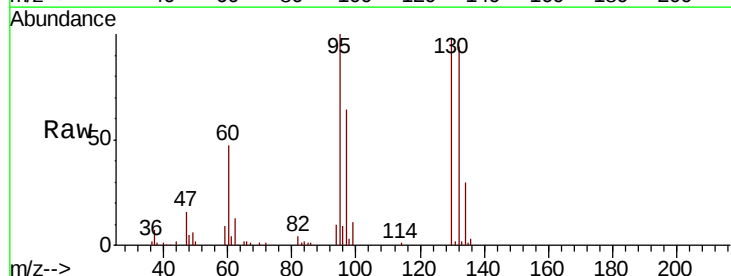
apatel
 9/7/2018 10:24:29 AM



#44

Trichloroethene
 Concen: 21.15 ug/l
 RT: 7.71 min Scan# 629
 Delta R.T. -0.04 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	202.0





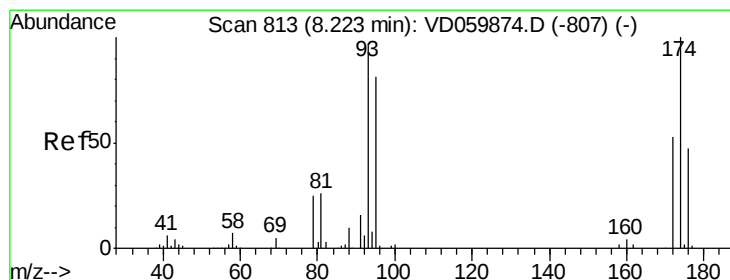
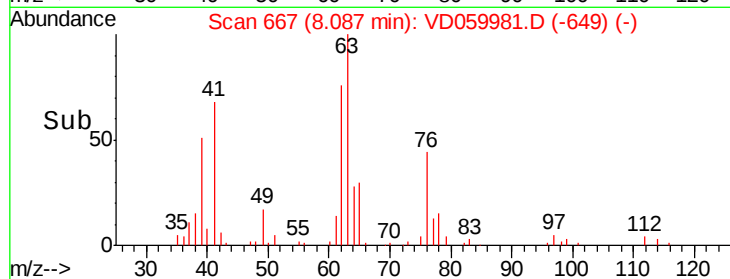
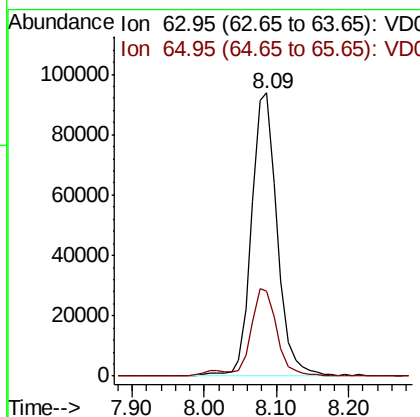
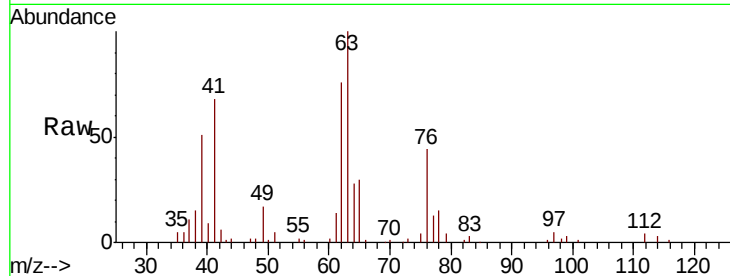
#45
 1,2-Dichloropropane
 Concen: 21.42 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0906SBS01

Tot Ion: 63 Resp: 233453
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.5 35.3

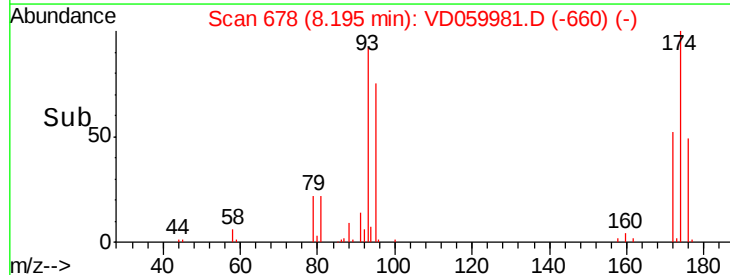
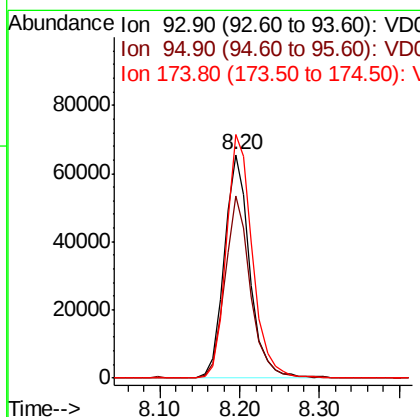
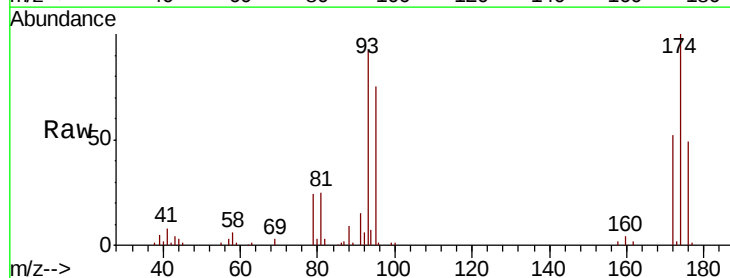
Manual Integrations
 APPROVED

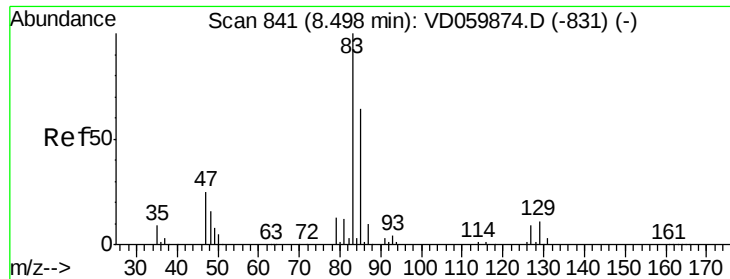
apatel
 9/7/2018 10:24:29 AM



#46
 Dibromomethane
 Concen: 20.91 ug/l
 RT: 8.20 min Scan# 678
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion: 93 Resp: 146509
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.6 100.0
 174 109.1 82.4 123.6





#47

Bromodichloromethane

Concen: 20.24 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

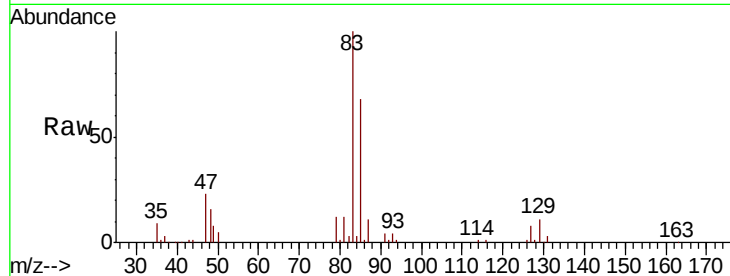
ClientSampleId :

VD0906SBS01

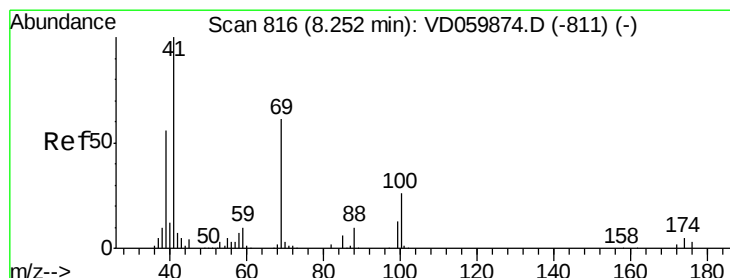
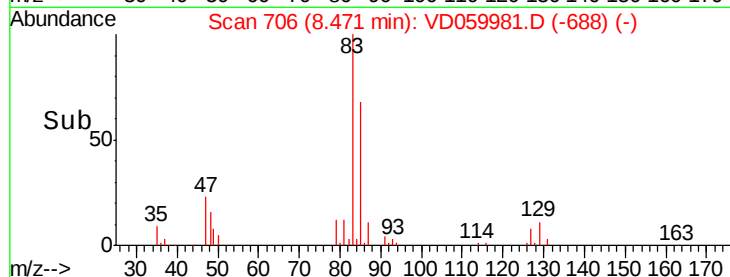
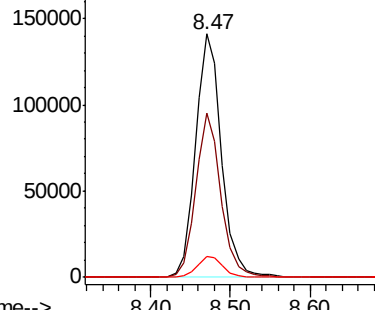
Tot Ion:	83	Resp:	321063
Ion Ratio	Lower	Upper	
83	100		
85	67.6	51.3	76.9
127	8.4	7.0	10.4

Manual Integrations
APPROVED

apatel
9/7/2018 10:24:29 AM



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



#48

Methyl methacrylate

Concen: 20.33 ug/l

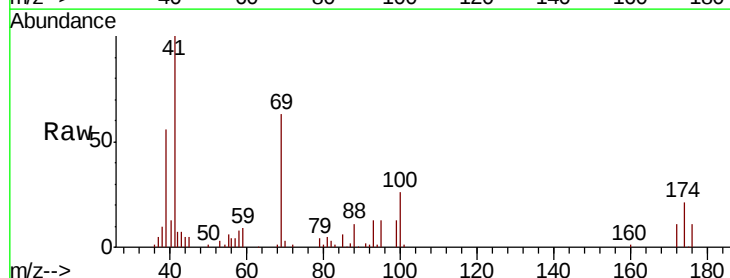
RT: 8.22 min Scan# 681

Delta R.T. -0.03 min

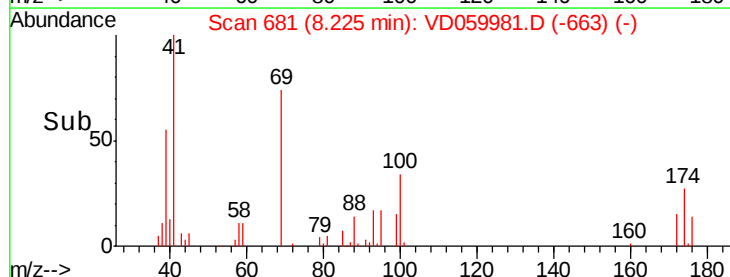
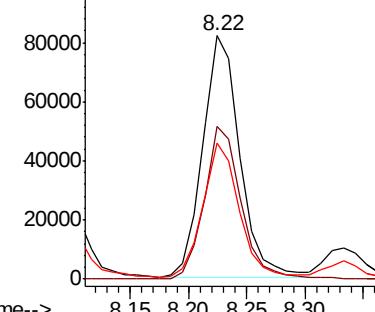
Lab File: VD059981.D

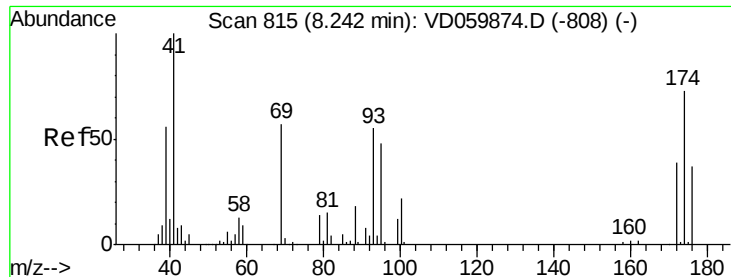
Acq: 6 Sep 2018 13:05

Tgt Ion:	41	Resp:	179874
Ion Ratio	Lower	Upper	
41	100		
69	63.0	48.0	72.0
39	55.8	45.4	68.0



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





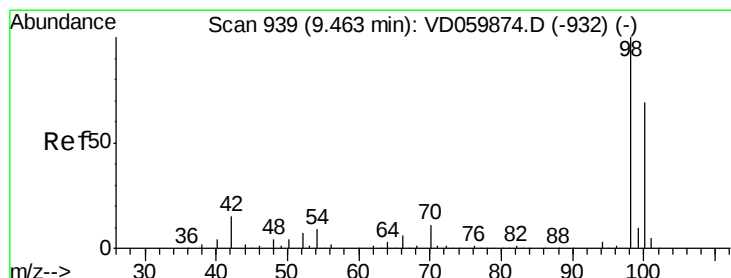
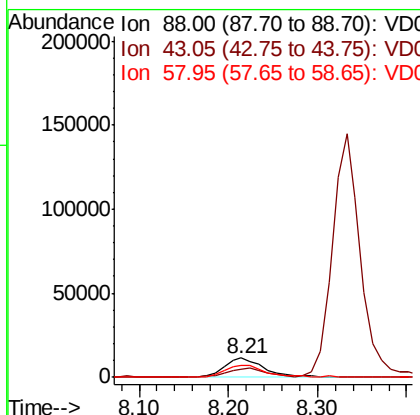
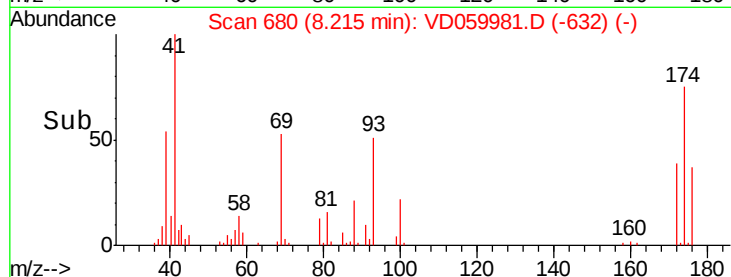
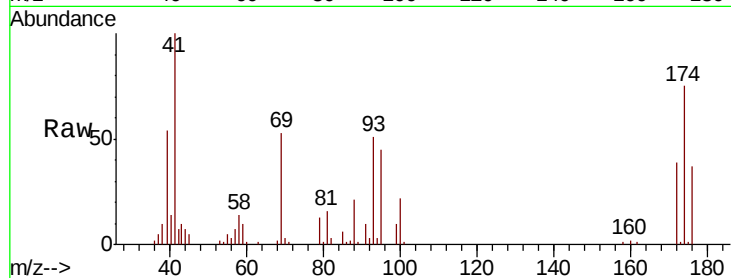
#49
1,4-Dioxane
Concen: 448.03 ug/l
RT: 8.21 min Scan# 680
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.5	45.0	67.6#
58	63.4	55.8	83.8

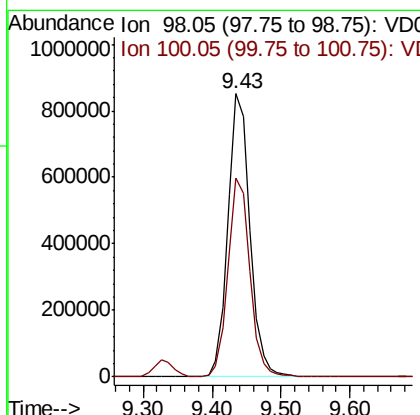
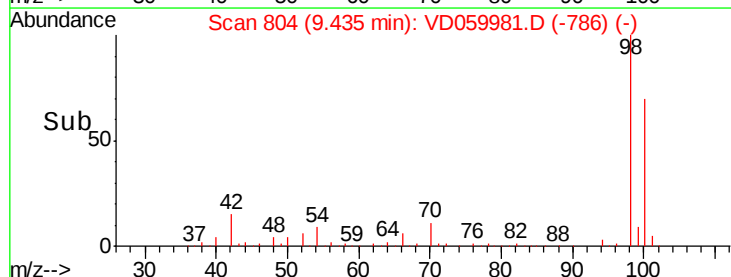
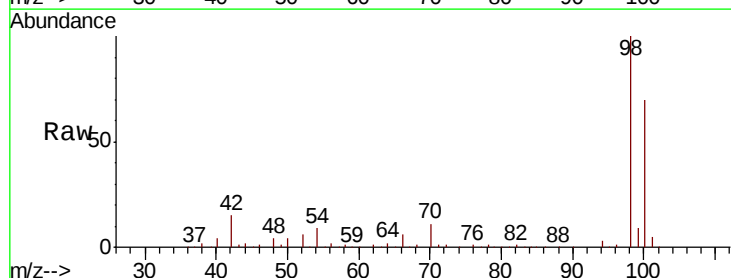
Manual Integrations
APPROVED

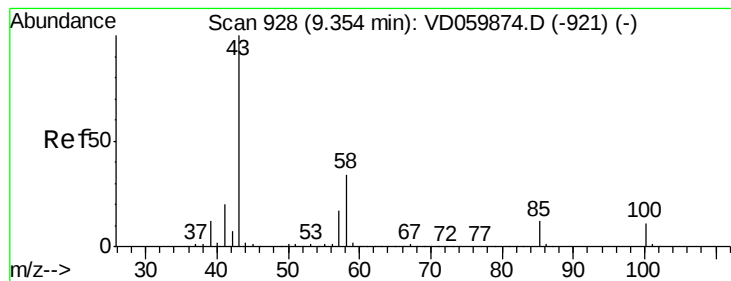
apatel
9/7/2018 10:24:29 AM



#50
Toluene-d8
Concen: 448.03 ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.1	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 93.30 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleID :

VD0906SBS01

Tot Ion: 43 Resp: 1055809

Ion Ratio Lower Upper

43 100

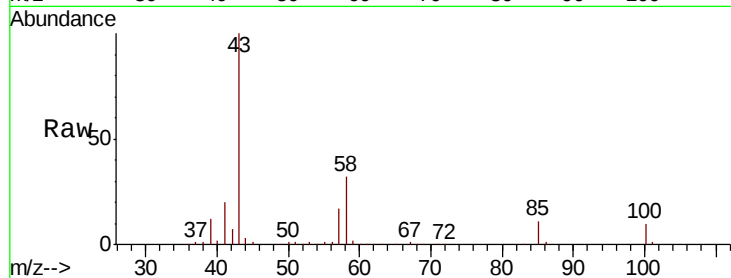
58 32.5 27.0 40.4

Manual Integrations

APPROVED

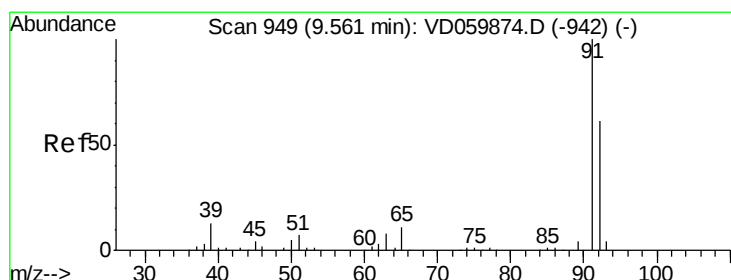
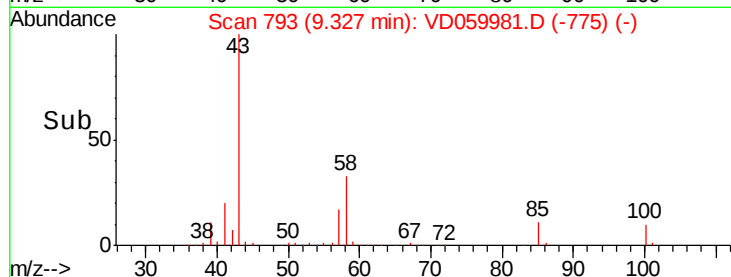
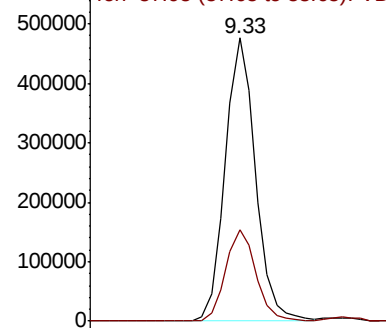
apatel

9/7/2018 10:24:29 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.08 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD059981.D

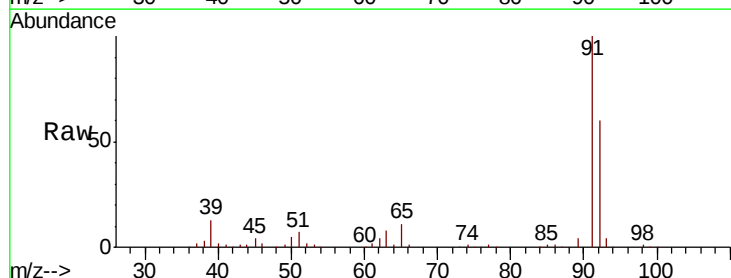
Acq: 6 Sep 2018 13:05

Tgt Ion: 92 Resp: 526872

Ion Ratio Lower Upper

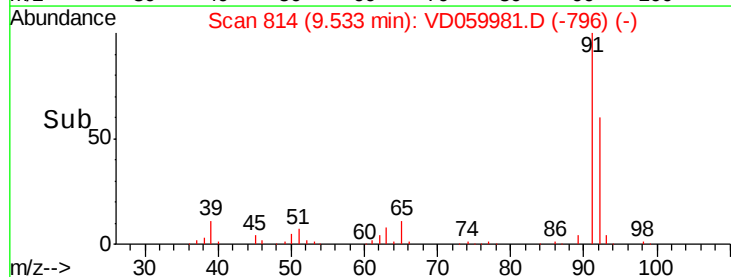
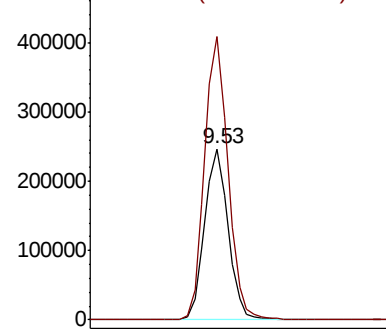
92 100

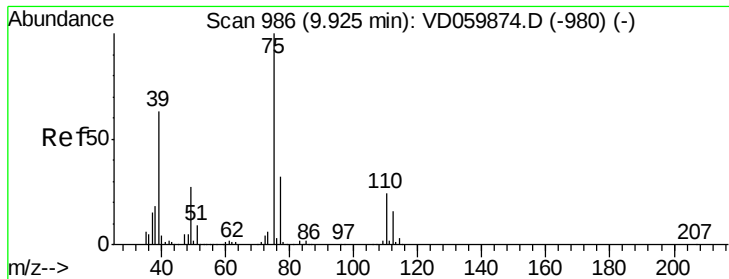
91 165.6 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.09 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.02 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

Tot Ion: 75 Resp: 294791

Ion Ratio Lower Upper

75 100

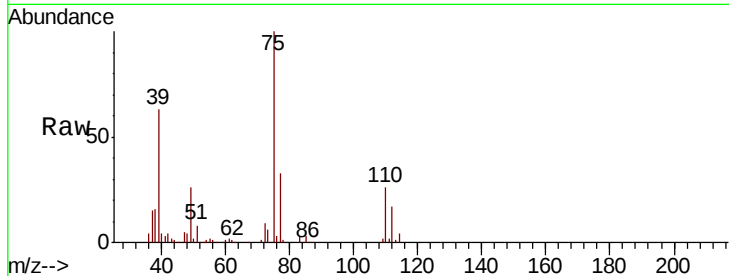
77 33.4 25.4 38.2

Manual Integrations

APPROVED

apatel

9/7/2018 10:24:29 AM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

150000

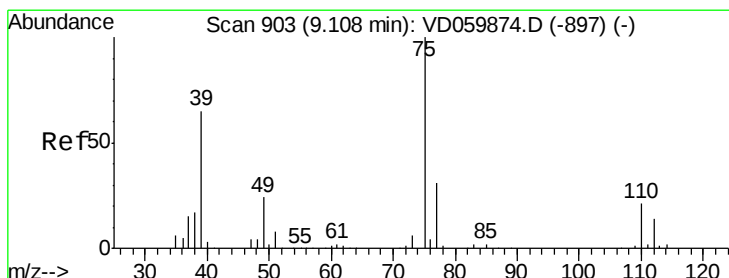
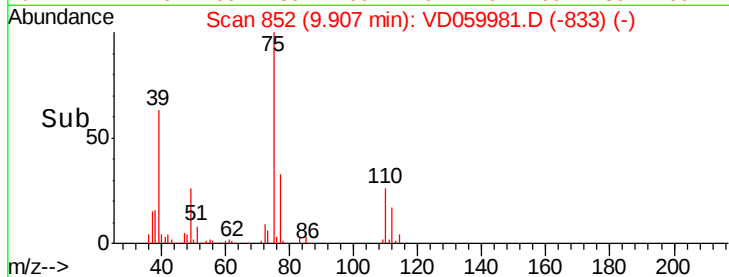
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.54 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

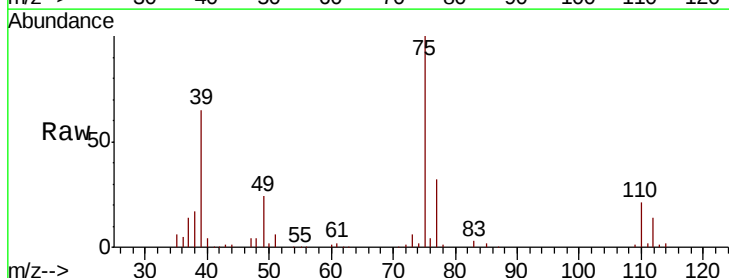
Tgt Ion: 75 Resp: 349445

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

39 65.0 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

200000

150000

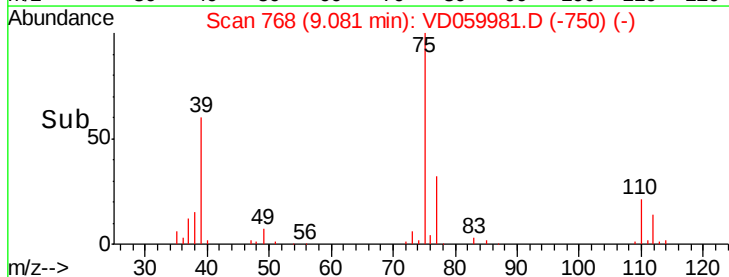
100000

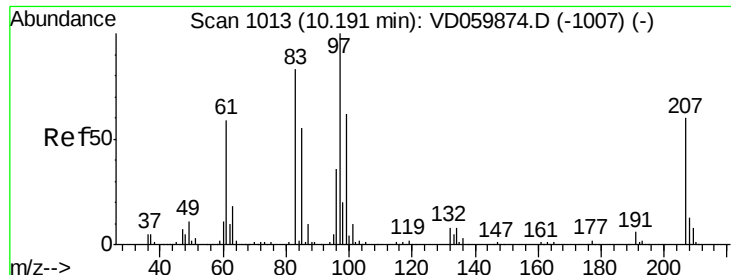
50000

0

9.00 9.10 9.20

Time-->





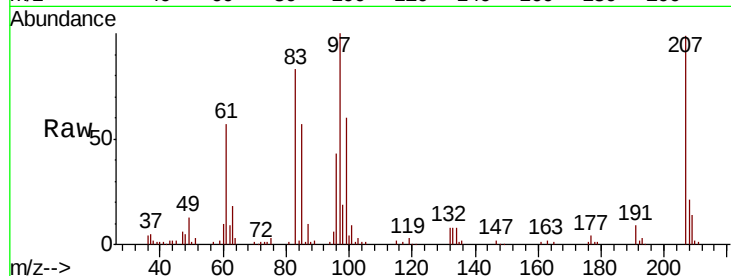
#55
 1,1,2-Trichloroethane
 Concen: 21.68 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

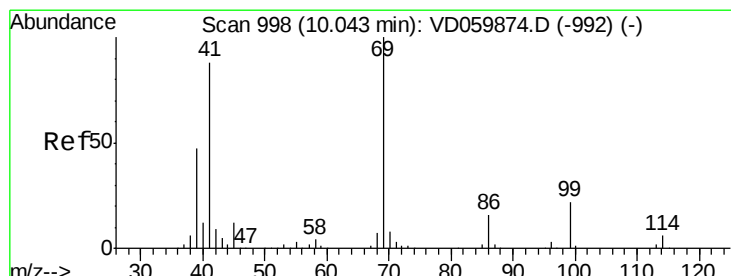
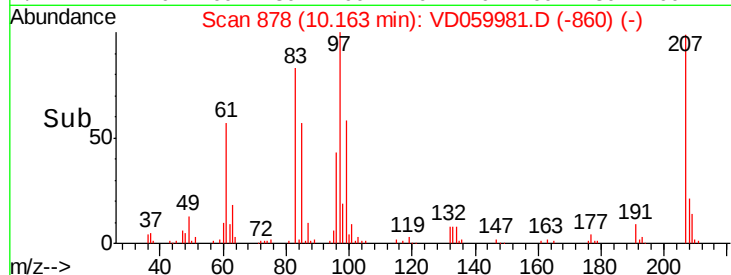
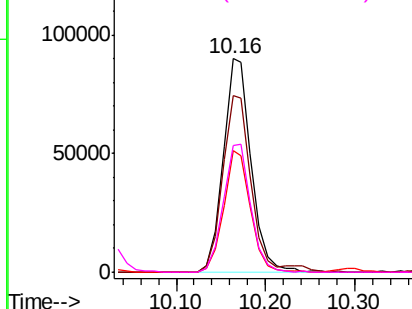
Tot Ion	Ratio	Resp	Lower	Upper
97	100	198160		
83	82.9	66.7	100.1	
85	57.0	43.8	65.6	
99	59.5	49.8	74.6	

Manual Integrations
 APPROVED

apatel
 9/7/2018 10:24:29 AM

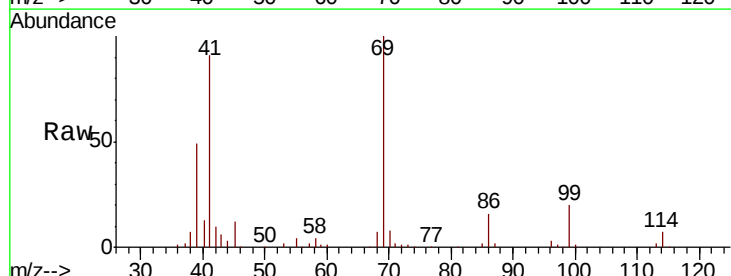


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

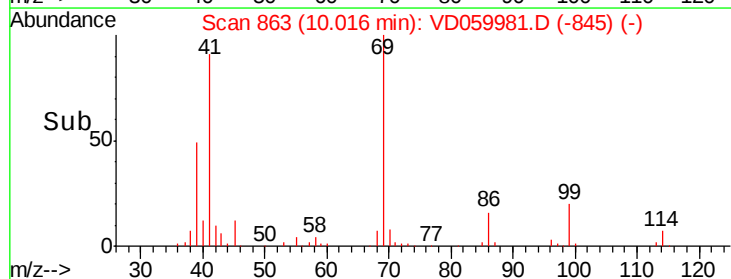
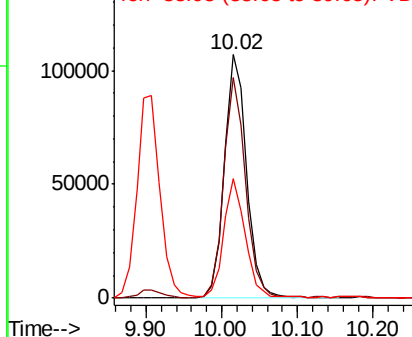


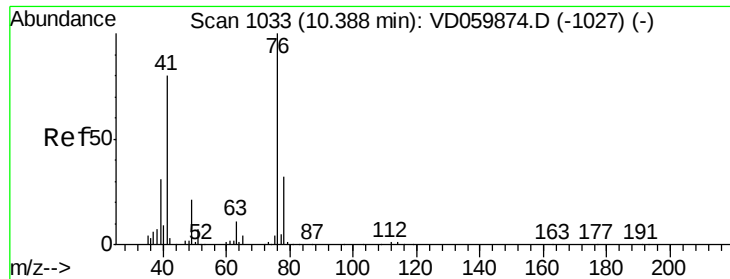
#56
 Ethyl methacrylate
 Concen: 20.50 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	216203		
41	90.7	71.0	106.4	
39	49.0	38.5	57.7	



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.87 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

Tot Ion: 76 Resp: 289292

Ion Ratio Lower Upper

76 100

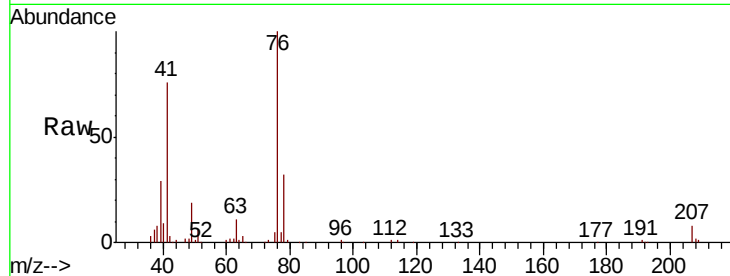
78 32.2 25.8 38.6

Manual Integrations

APPROVED

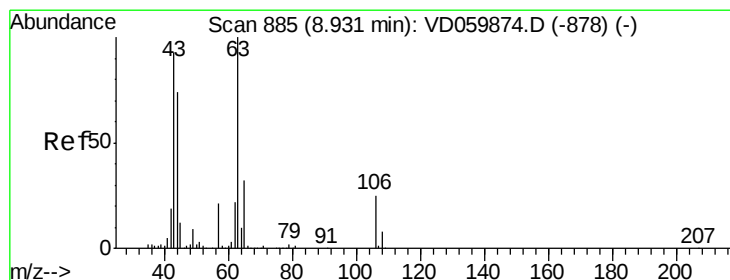
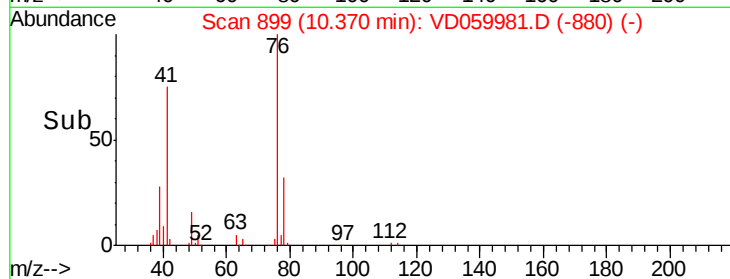
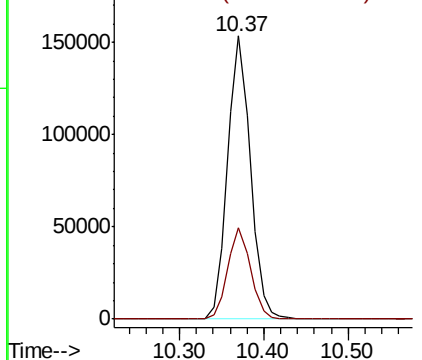
apatel

9/7/2018 10:24:29 AM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 120.04 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.03 min

Lab File: VD059981.D

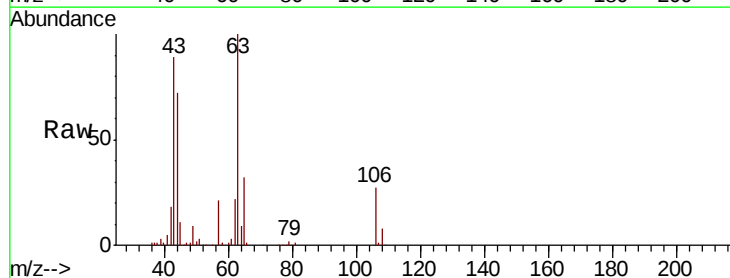
Acq: 6 Sep 2018 13:05

Tgt Ion: 63 Resp: 607335

Ion Ratio Lower Upper

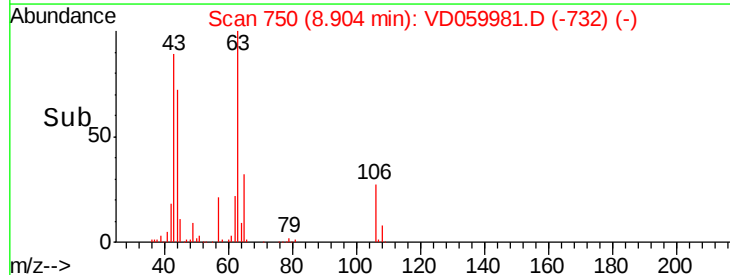
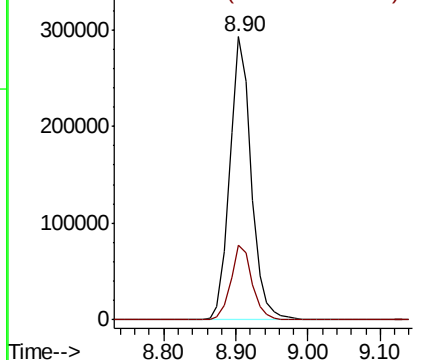
63 100

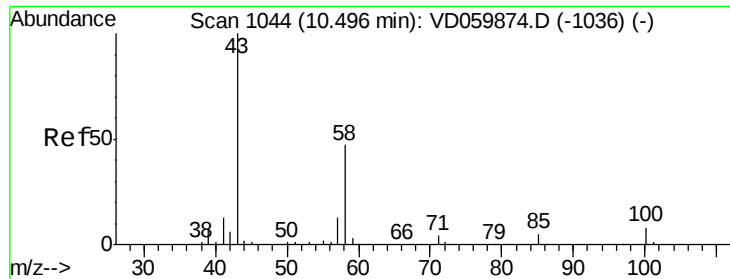
106 26.6 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





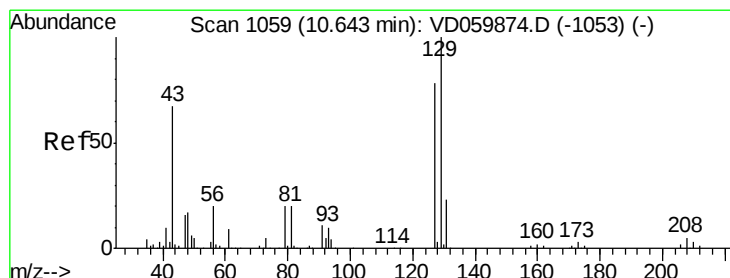
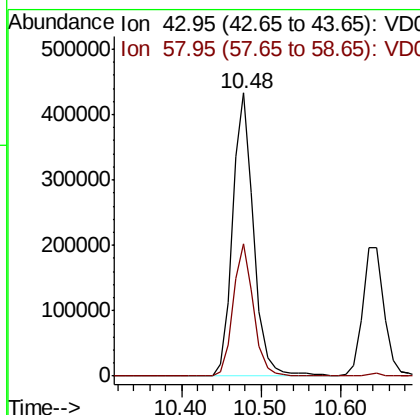
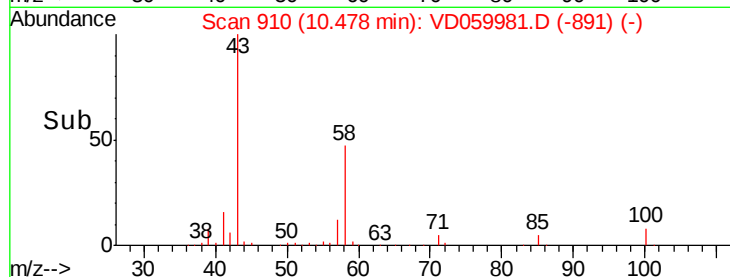
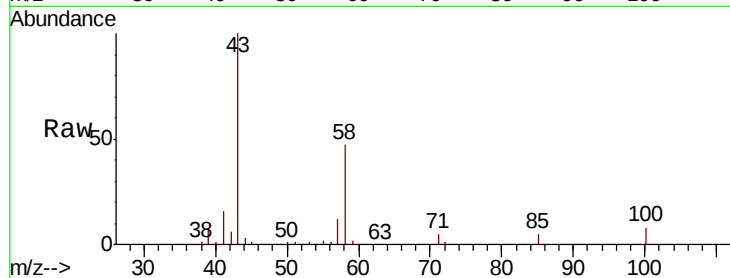
#59
2-Hexanone
Concen: 95.39 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion: 43 Resp: 796168
Ion Ratio Lower Upper
43 100
58 46.9 23.3 69.8

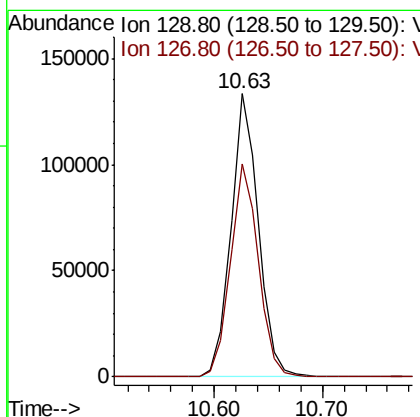
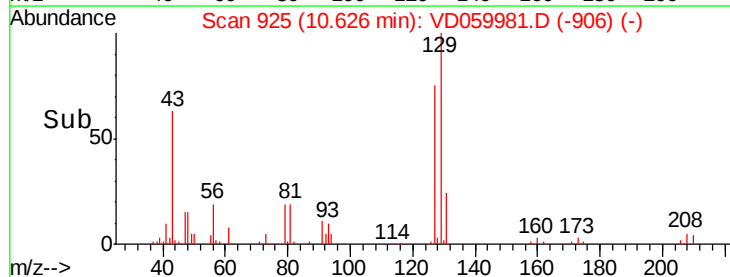
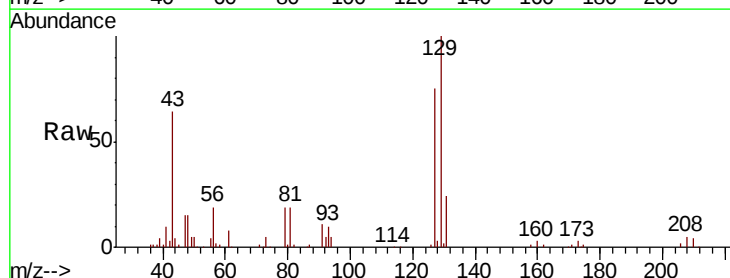
Manual Integrations
APPROVED

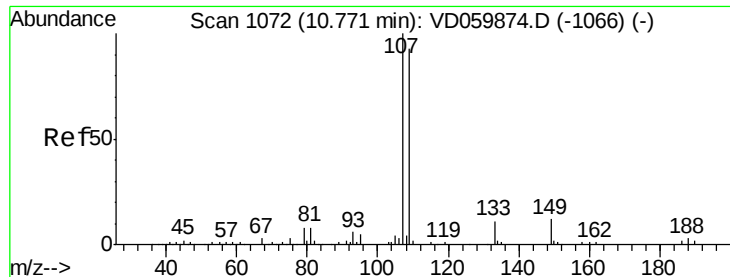
apatel
9/7/2018 10:24:29 AM



#60
Dibromochloromethane
Concen: 20.37 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion: 129 Resp: 233921
Ion Ratio Lower Upper
129 100
127 75.2 39.1 117.2





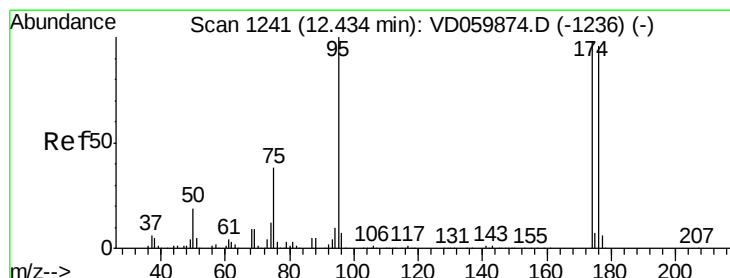
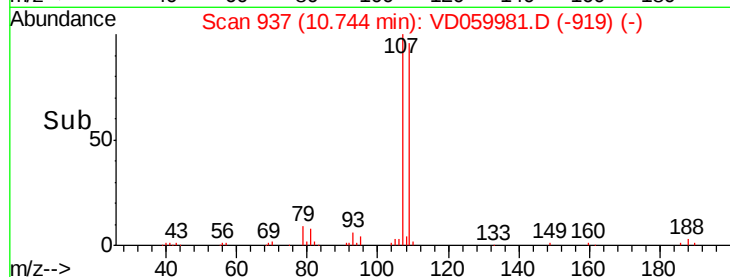
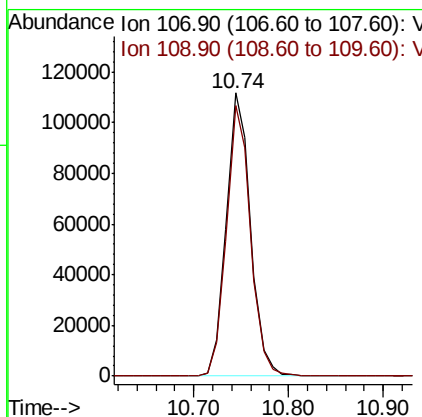
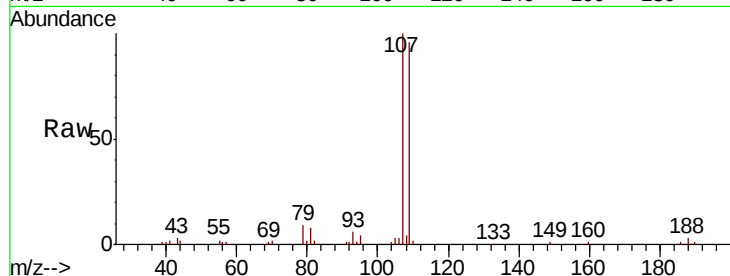
#61
 1,2-Dibromoethane
 Concen: 21.43 ug/l
 RT: 10.74 min Scan# 937
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	74.6	112.0

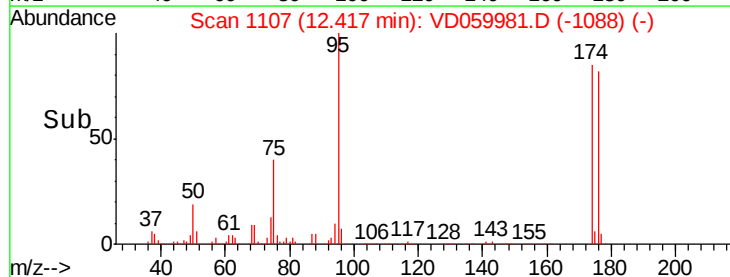
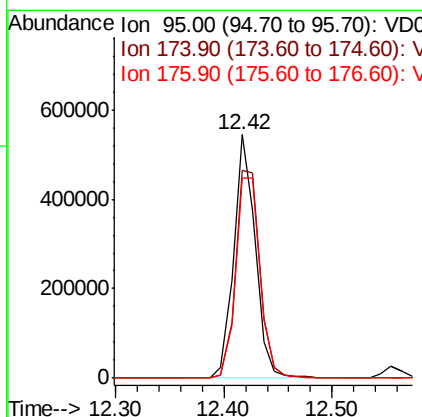
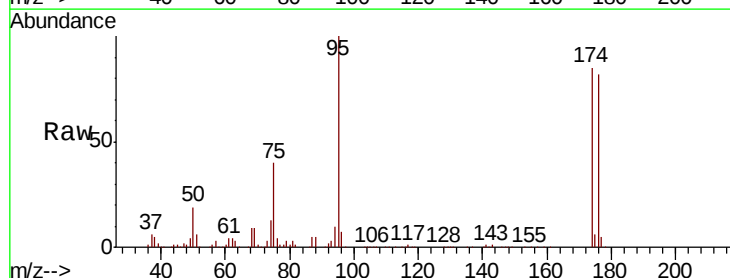
Manual Integrations
 APPROVED

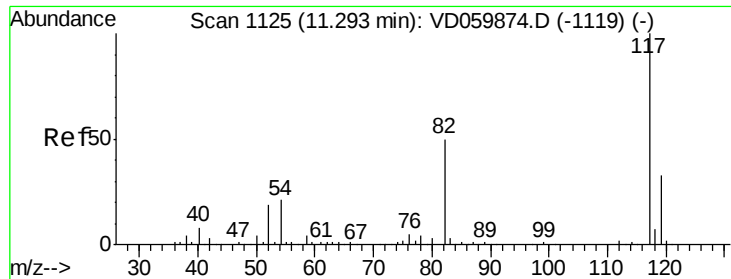
apatel
 9/7/2018 10:24:29 AM



#62
 4-Bromofluorobenzene
 Concen: 21.43 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	195.6
176	82.0	0.0	191.2





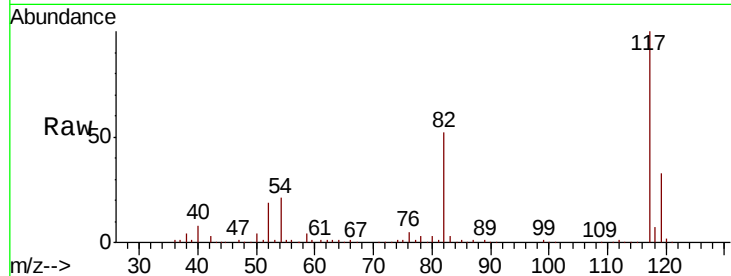
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

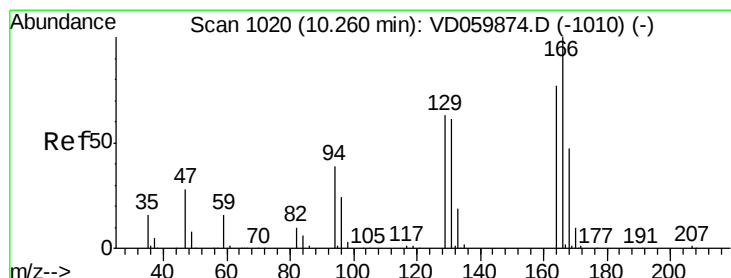
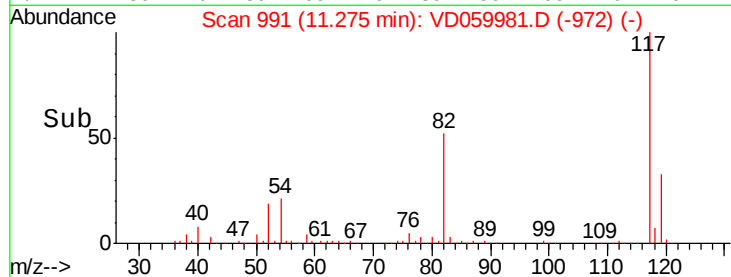
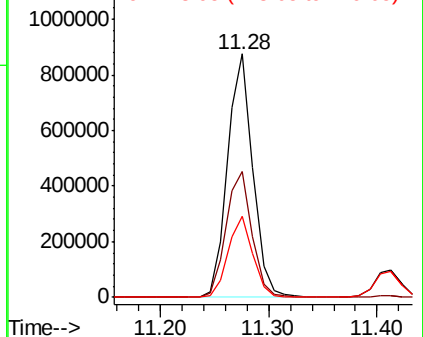
Tot Ion:117 Resp: 1419900
Ion Ratio Lower Upper
117 100
82 51.6 40.1 60.1
119 33.1 26.7 40.1

Manual Integrations
APPROVED

apatel
9/7/2018 10:24:29 AM



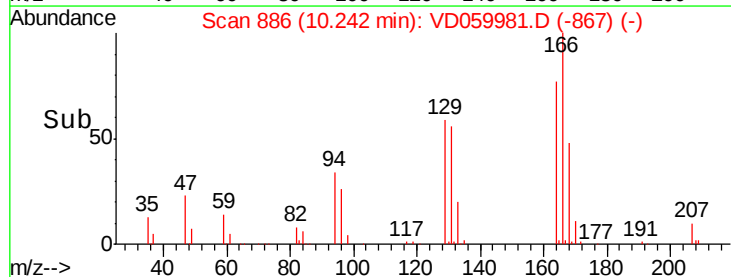
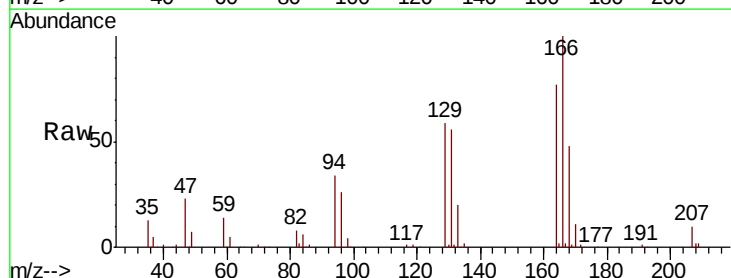
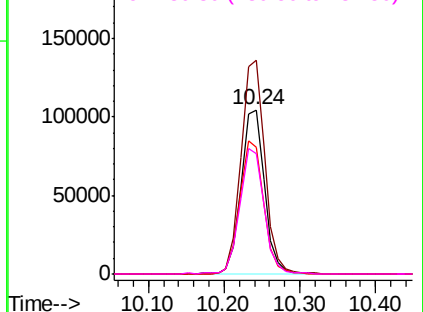
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 20.37 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion:164 Resp: 223665
Ion Ratio Lower Upper
164 100
166 130.2 103.4 155.2
129 77.4 65.2 97.8
131 73.3 63.1 94.7

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





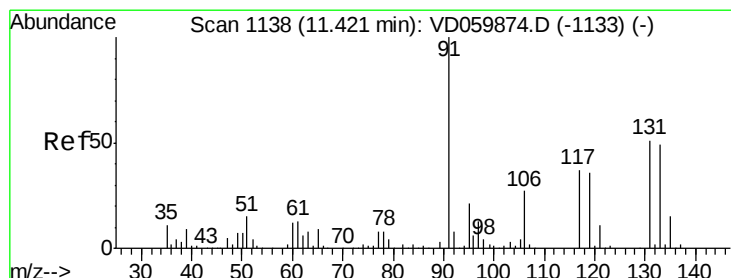
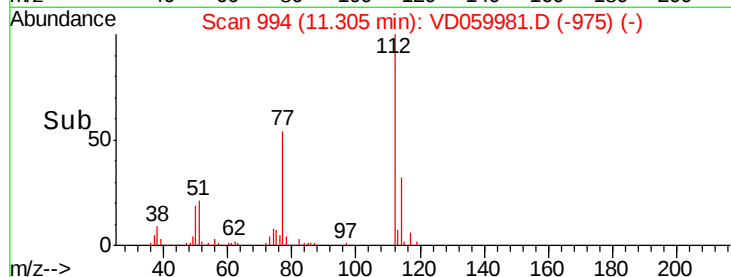
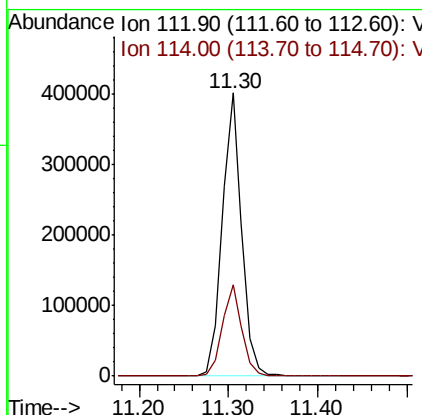
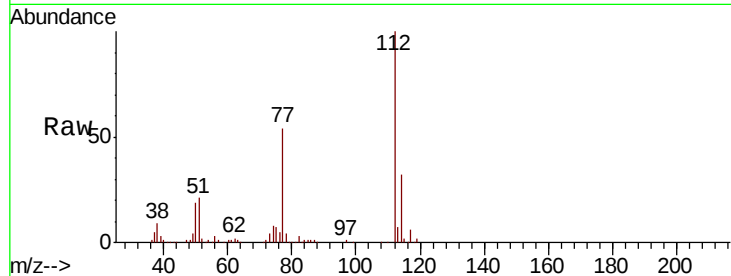
#65
Chlorobenzene
Concen: 21.80 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion:112 Resp: 615074
Ion Ratio Lower Upper
112 100
114 32.5 26.4 39.6

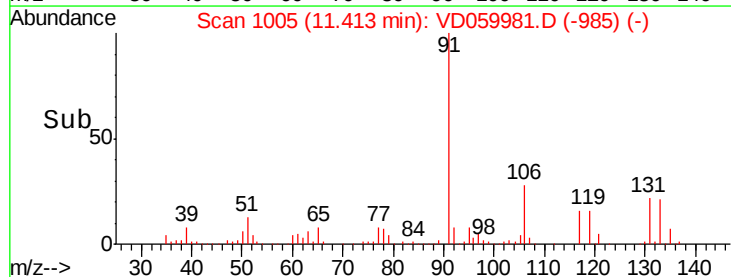
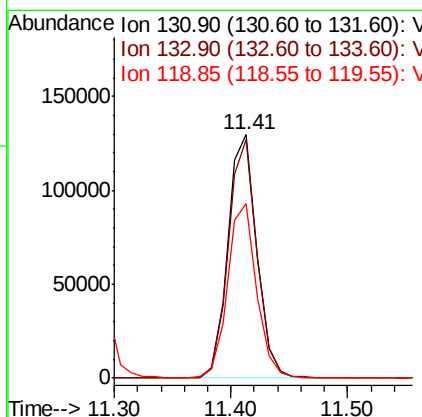
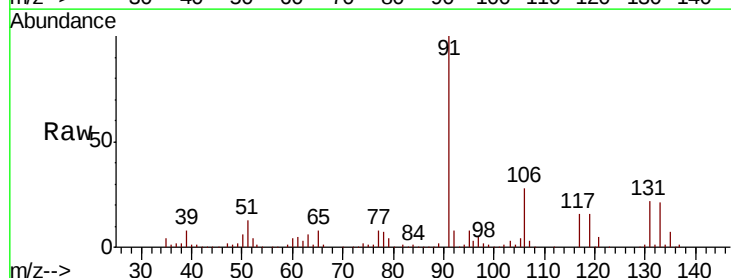
Manual Integrations
APPROVED

apatel
9/7/2018 10:24:29 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.58 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion:131 Resp: 222454
Ion Ratio Lower Upper
131 100
133 98.0 48.3 144.8
119 71.7 35.4 106.3





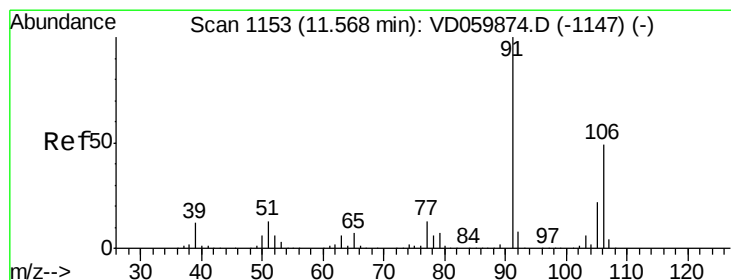
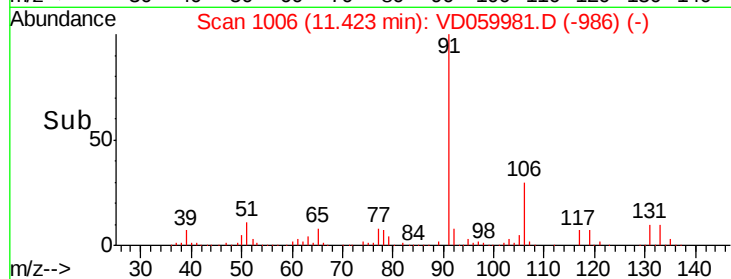
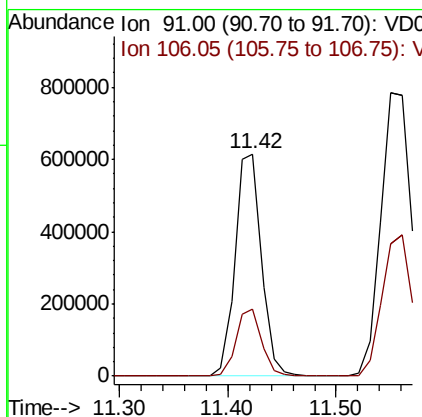
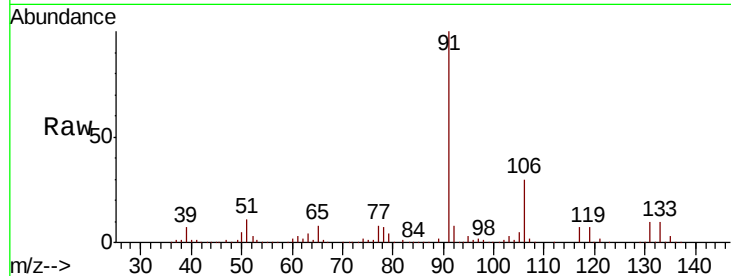
#67
Ethyl Benzene
Concen: 21.93 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion: 91 Resp: 1040769
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.8

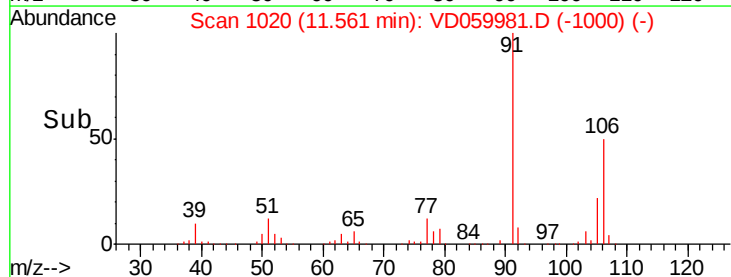
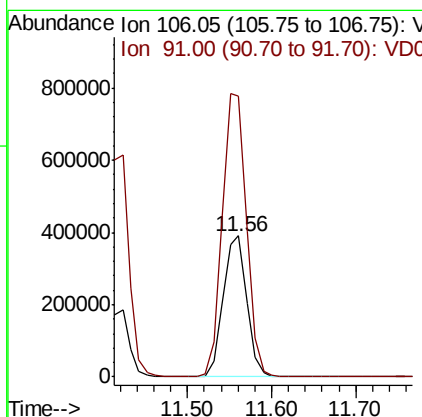
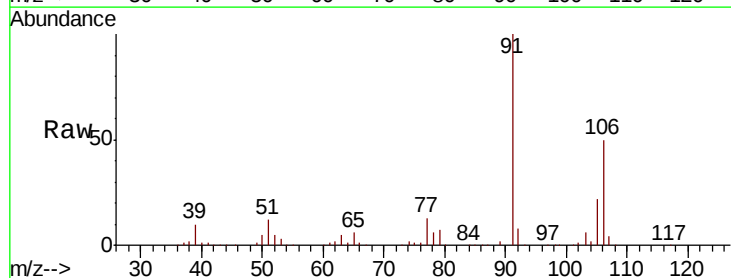
Manual Integrations
APPROVED

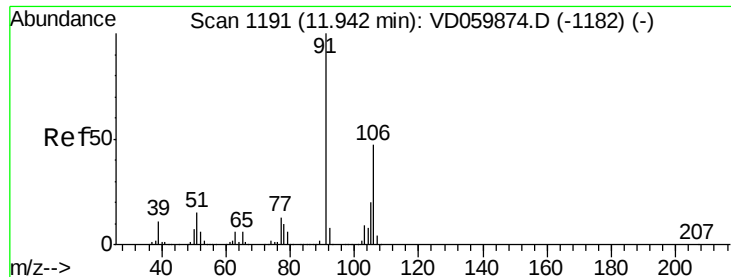
apatel
9/7/2018 10:24:29 AM



#68
m/p-Xylenes
Concen: 43.59 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion: 106 Resp: 753418
Ion Ratio Lower Upper
106 100
91 199.0 162.0 243.0





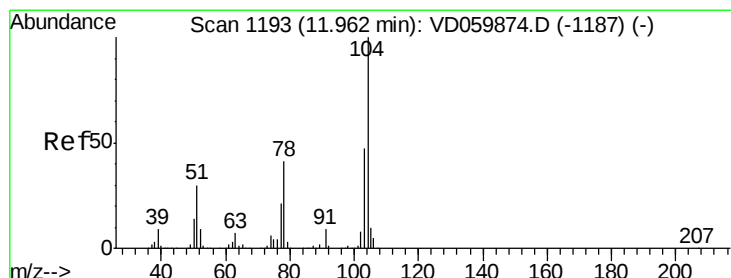
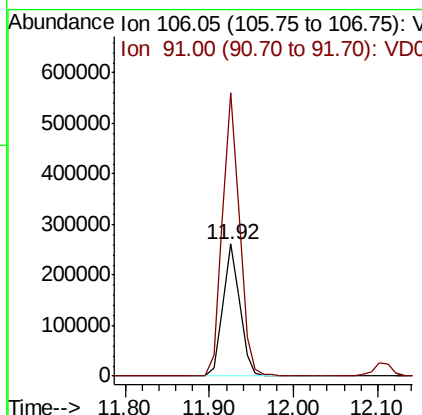
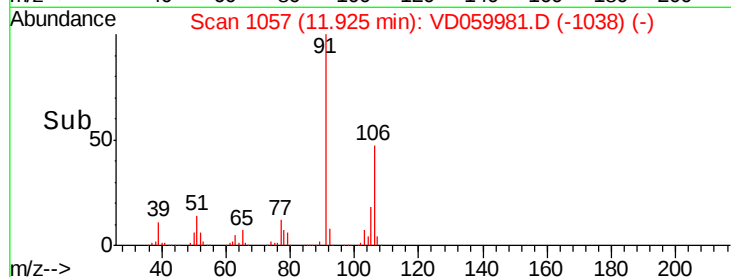
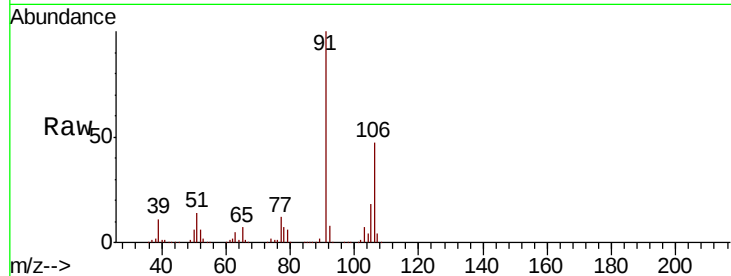
#69
o-Xylene
Concen: 21.61 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.0	107.3	322.0	

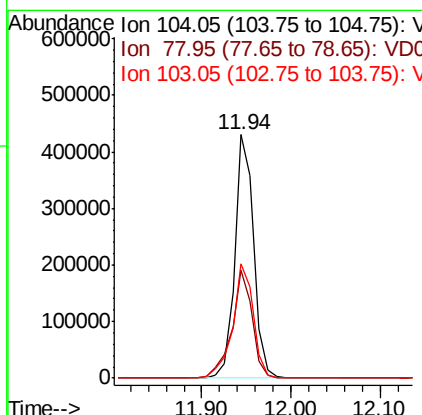
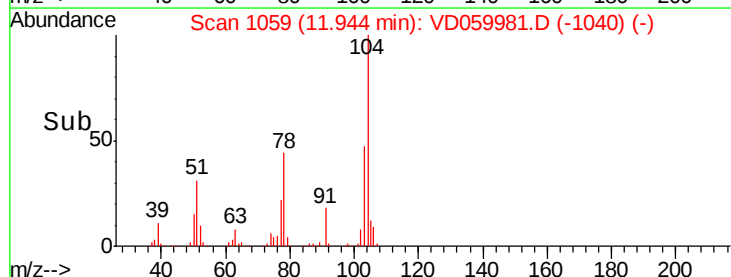
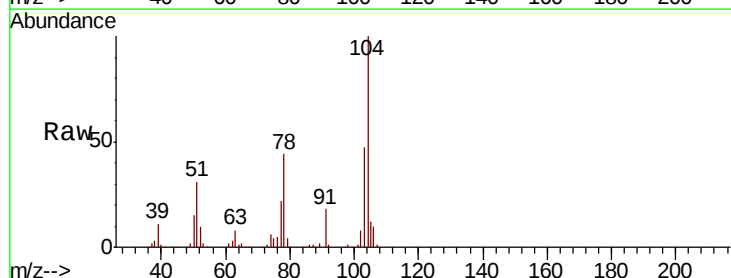
Manual Integrations
APPROVED

apatel
9/7/2018 10:24:29 AM



#70
Styrene
Concen: 21.82 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	44.2	32.6	49.0	
103	47.0	37.7	56.5	





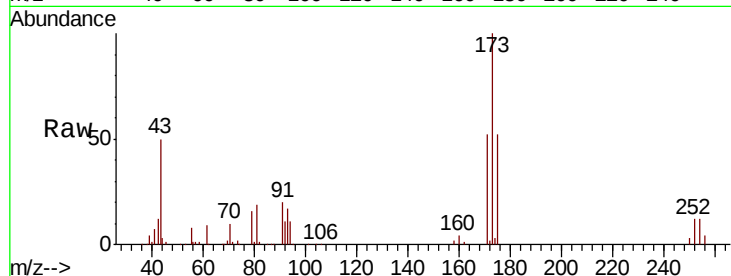
#71
Bromoform
Concen: 18.88 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.0	24.3	73.0
254	11.5	7.0	10.6

Manual Integrations
APPROVED

apatel
9/7/2018 10:24:29 AM

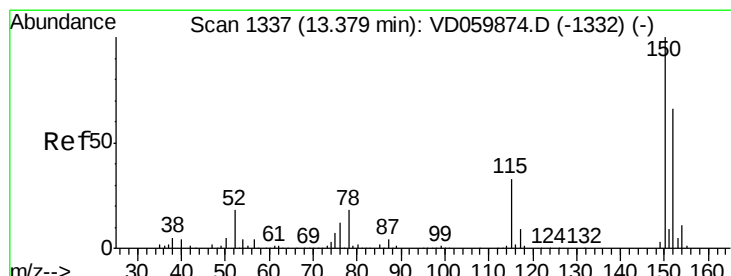
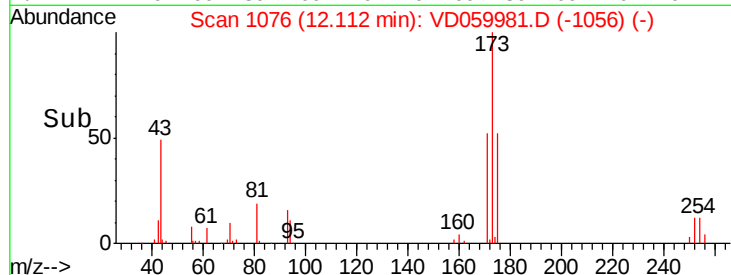
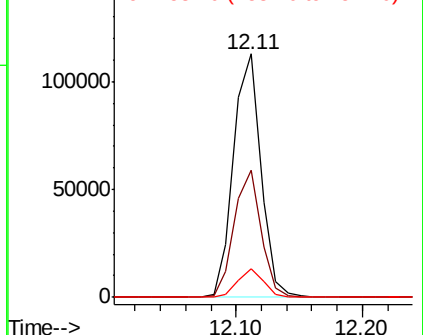


Abundance

Ion 172.80 (172.50 to 173.50): V

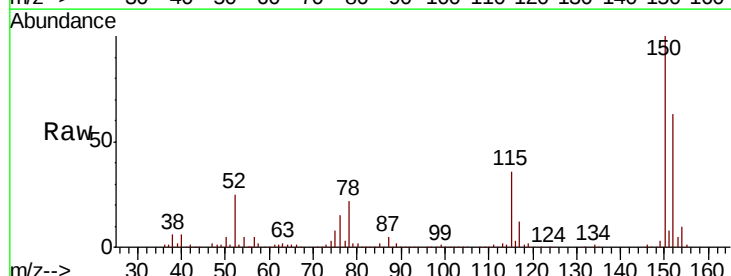
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	25.7	77.0
150	158.9	0.0	310.2

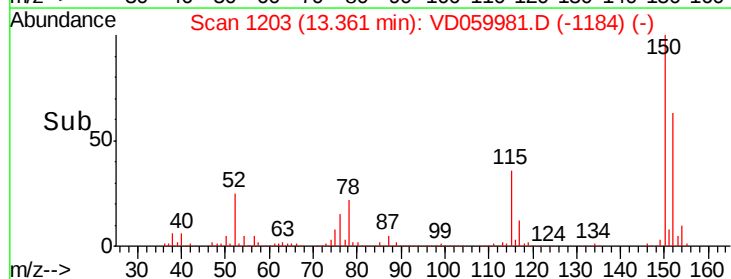
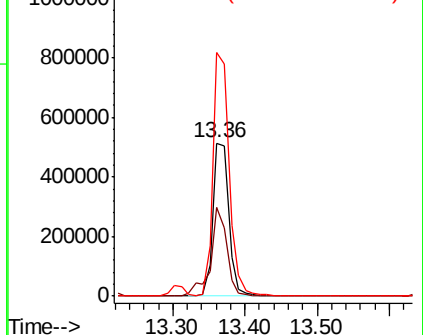


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.57 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

Tot Ion: 105 Resp: 1013072

Ion Ratio Lower Upper

105 100

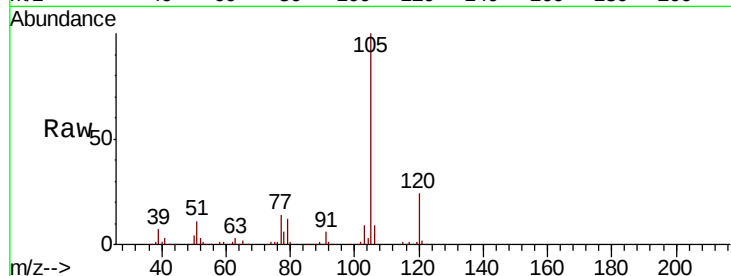
120 24.1 11.8 35.4

Manual Integrations

APPROVED

apatel

9/7/2018 10:24:29 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

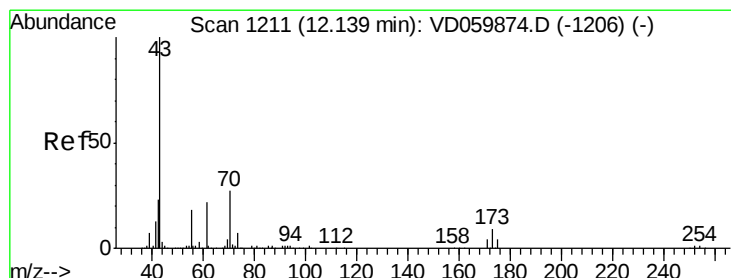
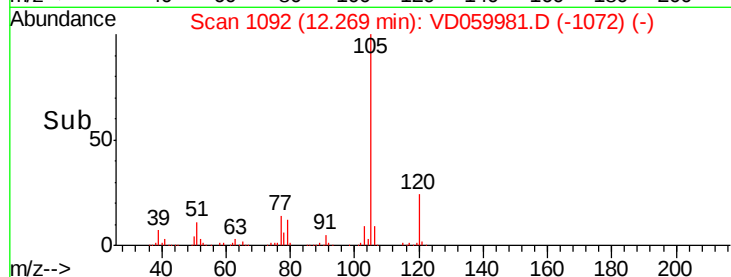
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 19.00 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Tgt Ion: 43 Resp: 409800

Ion Ratio Lower Upper

43 100

70 28.4 21.4 32.2

55 17.3 14.1 21.1

61 22.3 17.8 26.8

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

400000

300000

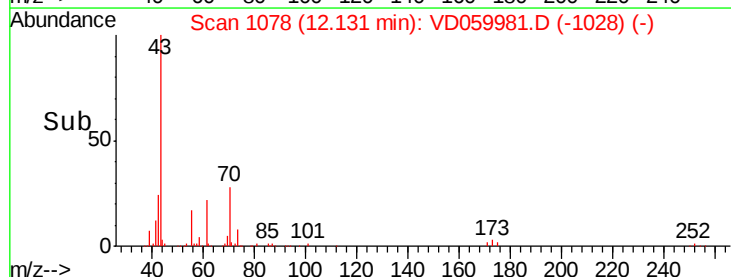
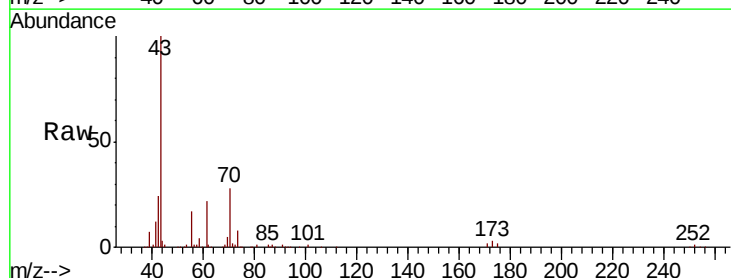
200000

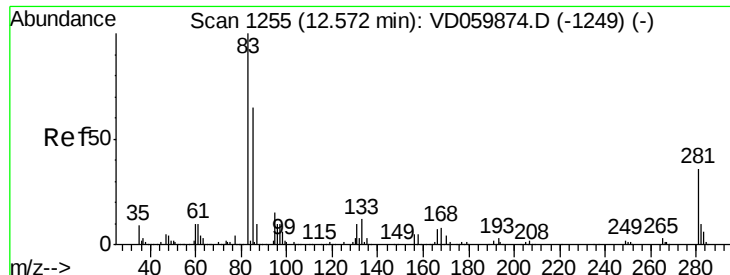
100000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.55 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

Tot Ion: 83 Resp: 234111

Ion Ratio Lower Upper

83 100

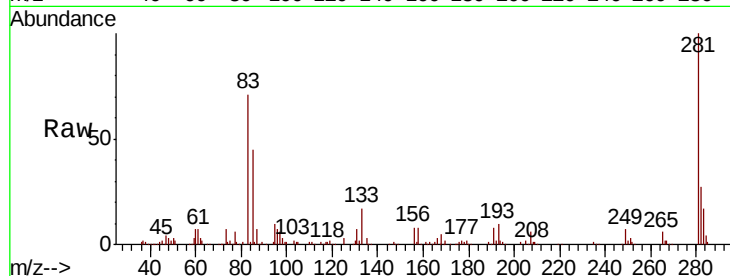
131 9.6 4.8 14.4

85 63.2 32.6 97.8

Manual Integrations
APPROVED

apatel

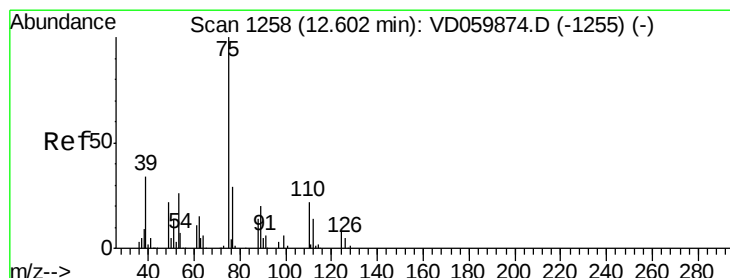
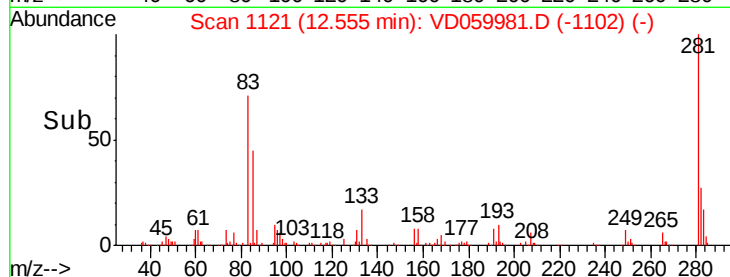
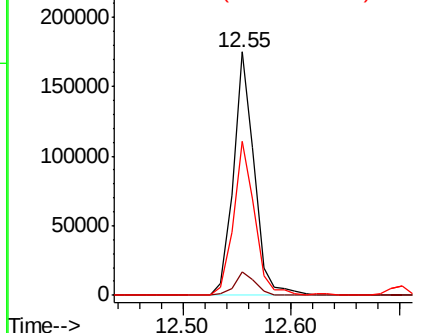
9/7/2018 10:24:29 AM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.92 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD059981.D

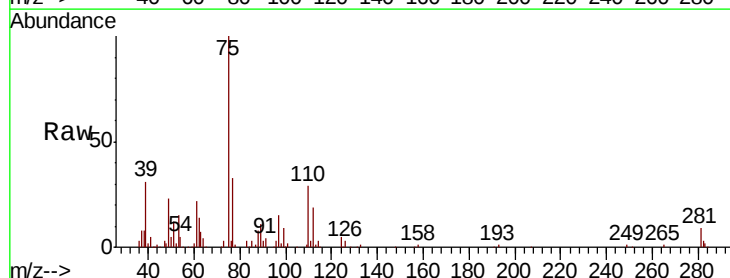
Acq: 6 Sep 2018 13:05

Tgt Ion: 75 Resp: 238919

Ion Ratio Lower Upper

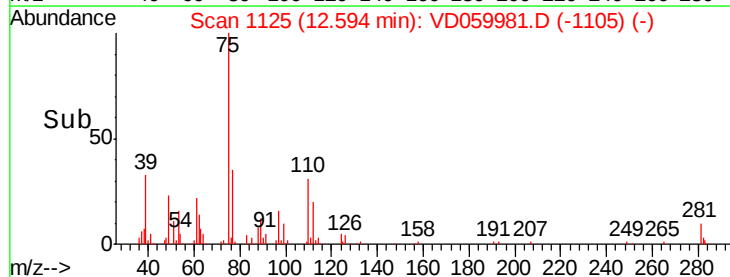
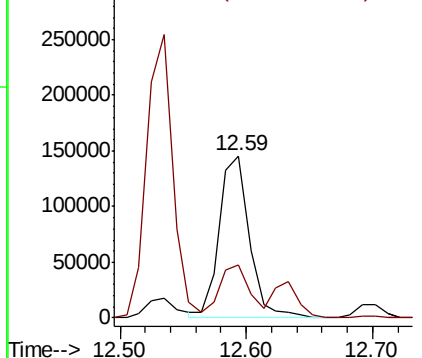
75 100

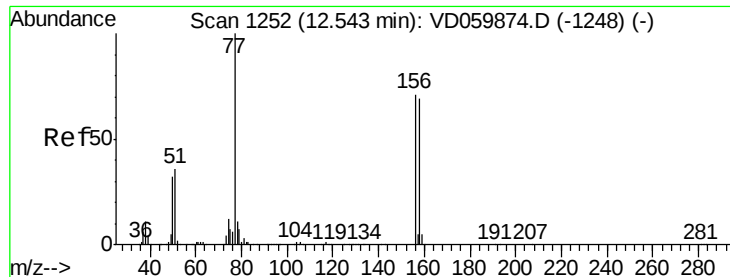
77 32.8 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.24 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

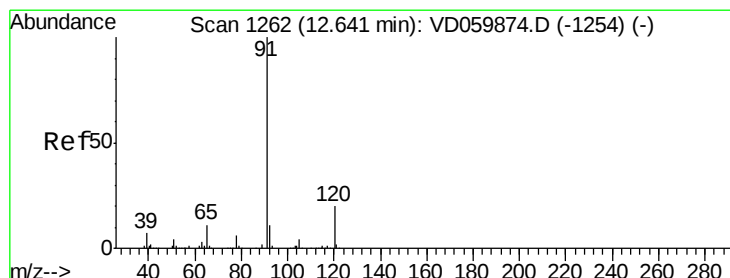
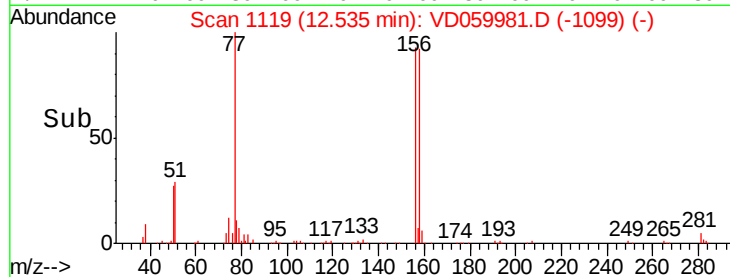
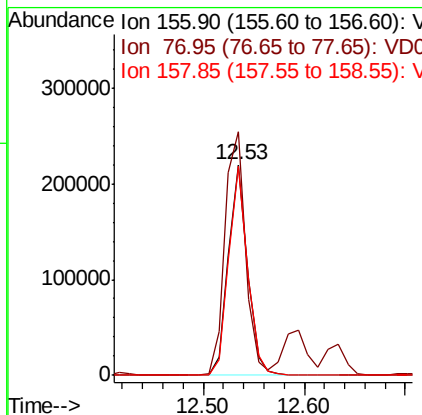
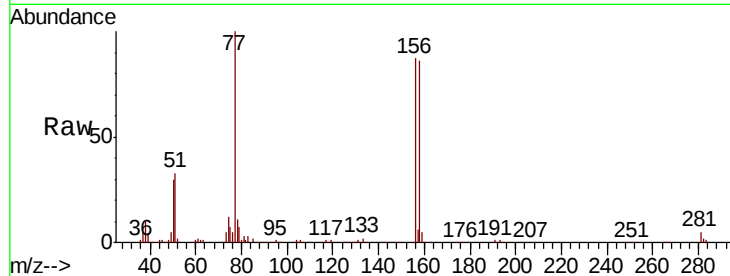
ClientSampleId :

VD0906SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	115.5	70.2	210.4
158	99.2	48.4	145.2

Manual Integrations
APPROVED

apatel
9/7/2018 10:24:29 AM



#78

n-propylbenzene

Concen: 21.16 ug/l

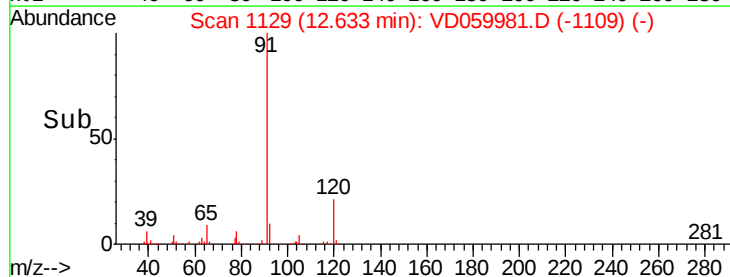
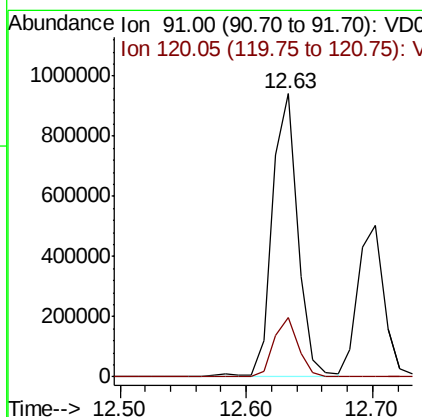
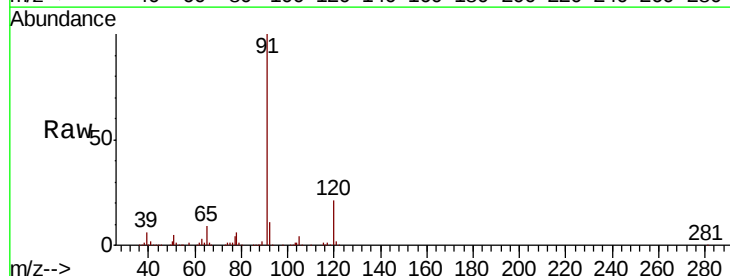
RT: 12.63 min Scan# 1129

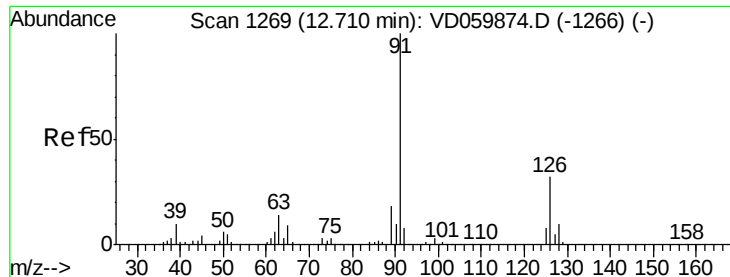
Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.1	30.3





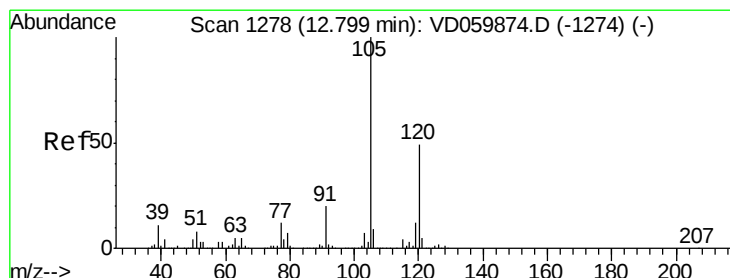
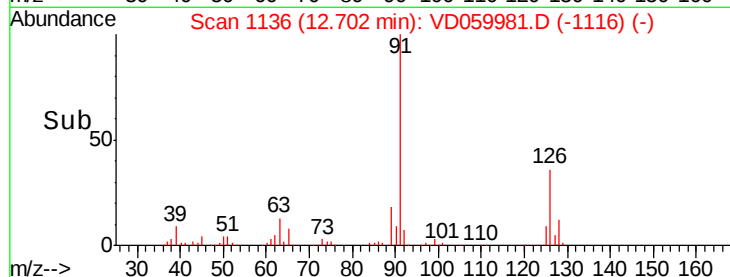
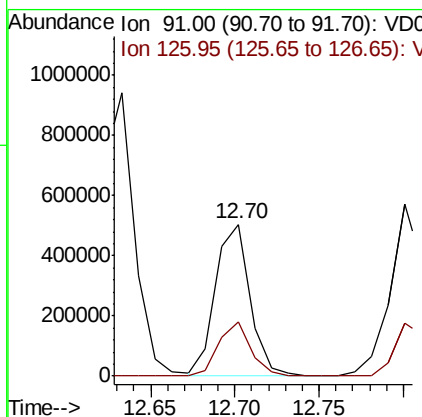
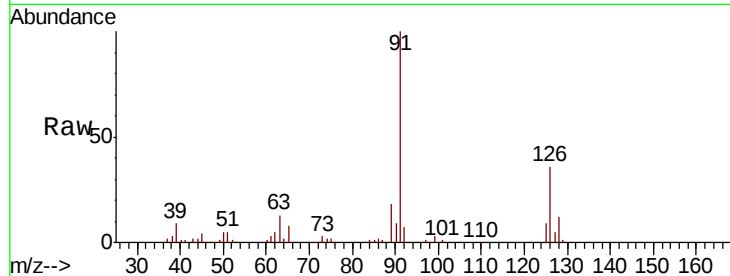
#79
 2-Chlorotoluene
 Concen: 20.51 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0906SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.6	16.1	48.2

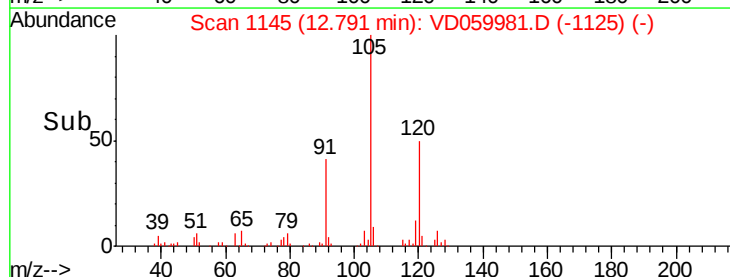
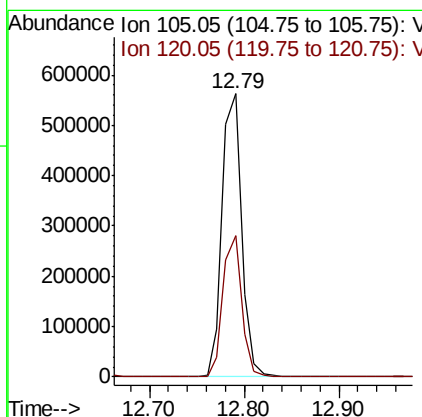
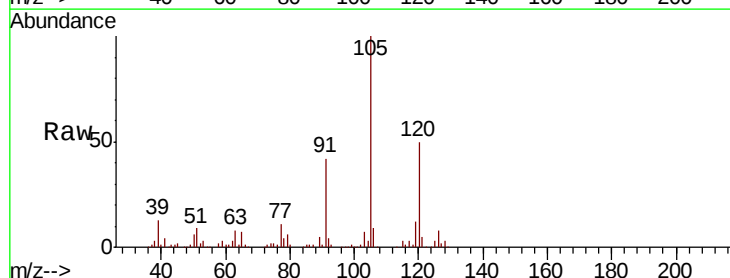
Manual Integrations
 APPROVED

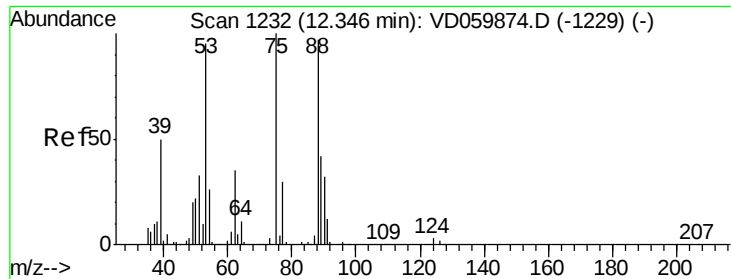
apatel
 9/7/2018 10:24:29 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.51 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.0	24.5	73.5





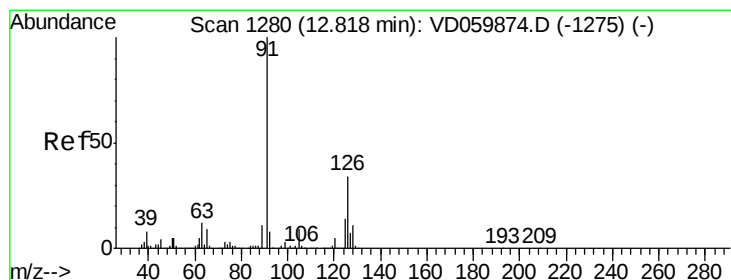
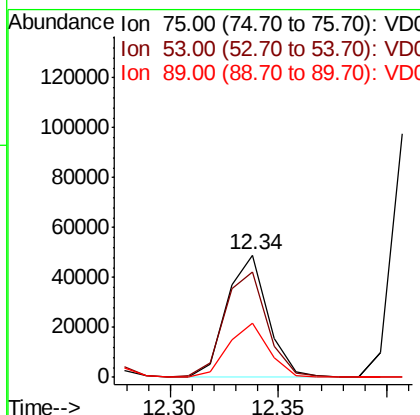
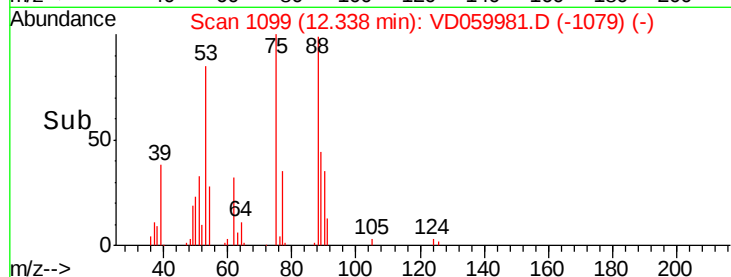
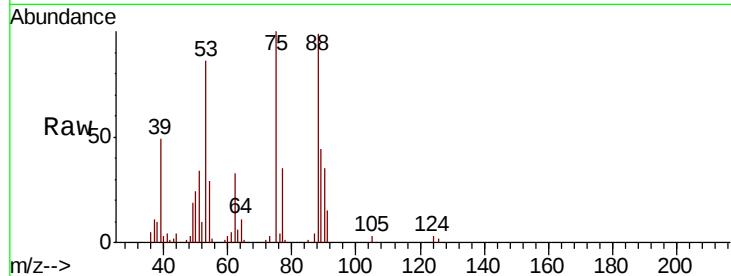
#81
trans-1,4-Dichloro-2-butene
Concen: 17.39 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.01 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.2	75.8	113.6
89	44.2	33.6	50.4

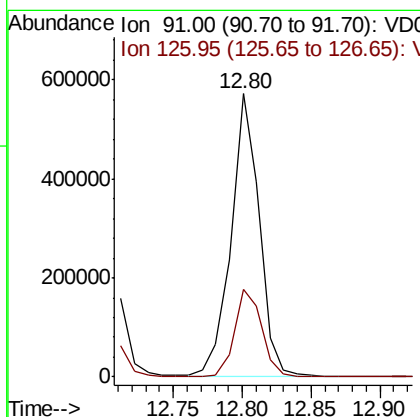
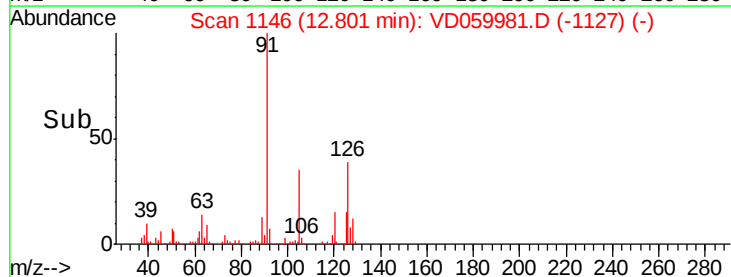
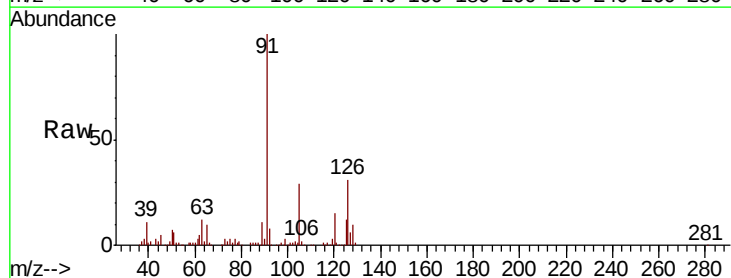
Manual Integrations
APPROVED

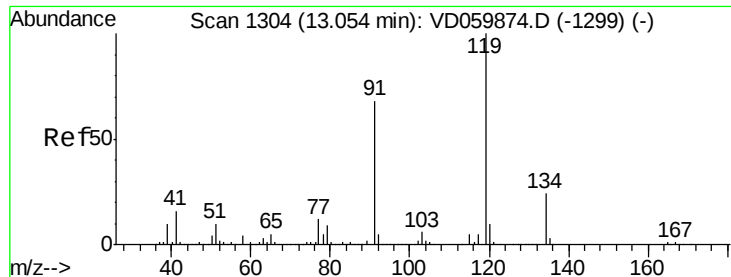
apatel
9/7/2018 10:24:29 AM



#82
4-Chlorotoluene
Concen: 20.16 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	17.1	51.2





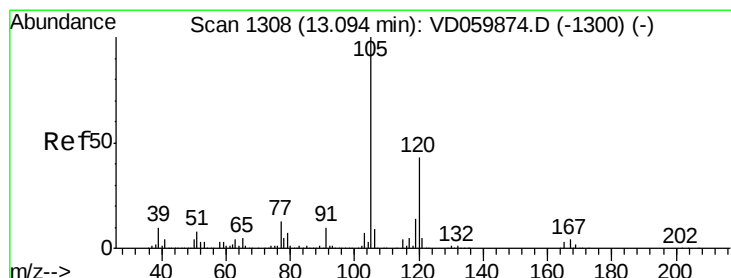
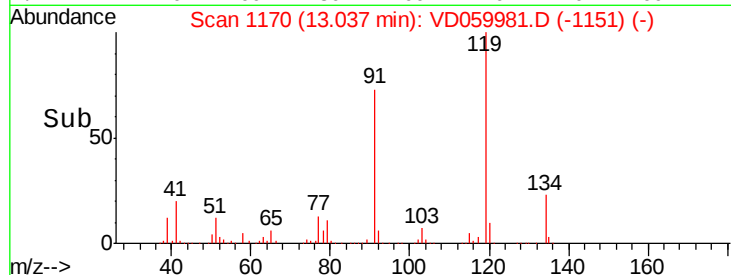
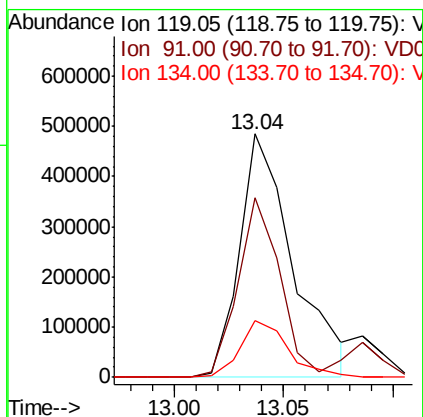
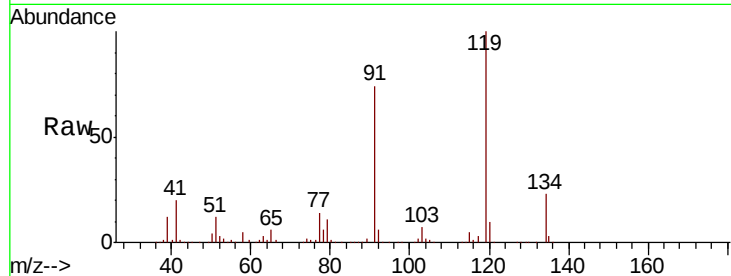
#83
tert-Butylbenzene
Concen: 18.60 ug/l m
RT: 13.04 min Scan# 1170
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	829620		
91	74.0		34.3	102.9
134	23.4		11.9	35.9

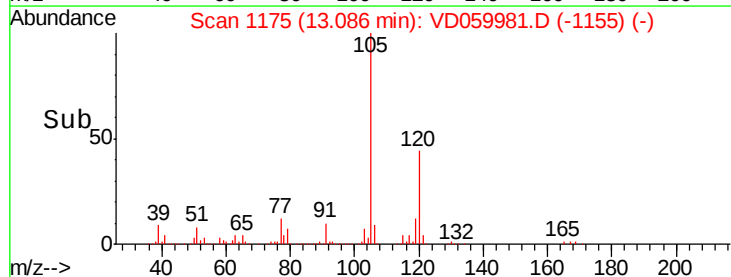
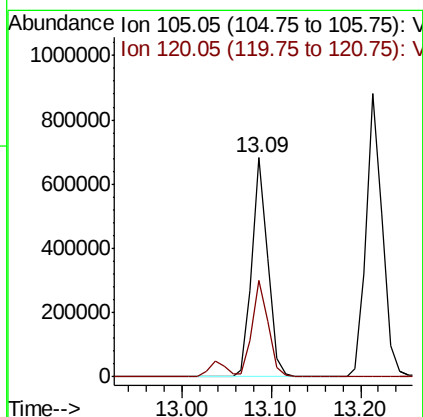
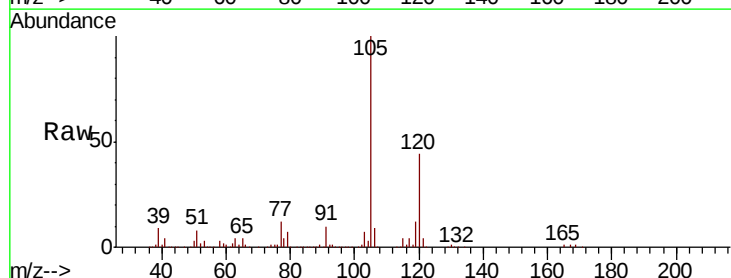
Manual Integrations
APPROVED

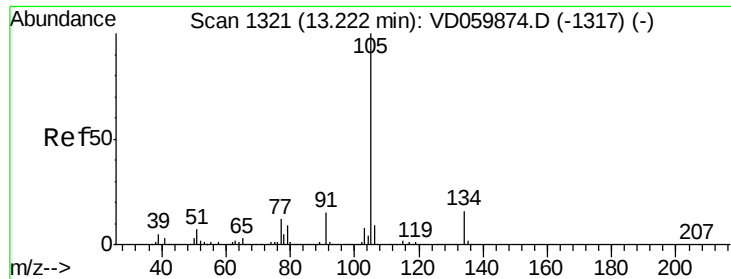
apatel
9/7/2018 10:24:29 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.59 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	840275		
120	44.4		21.8	65.3





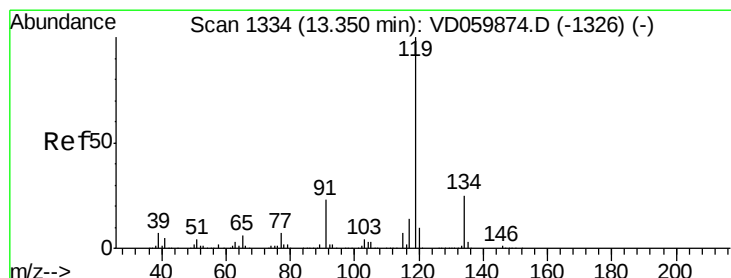
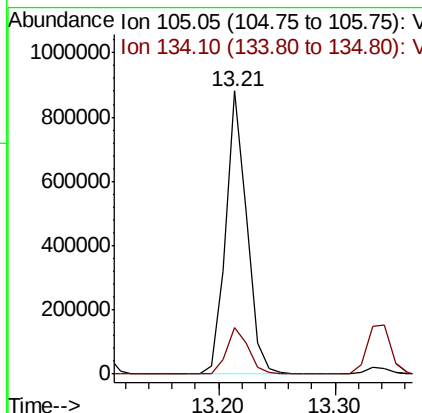
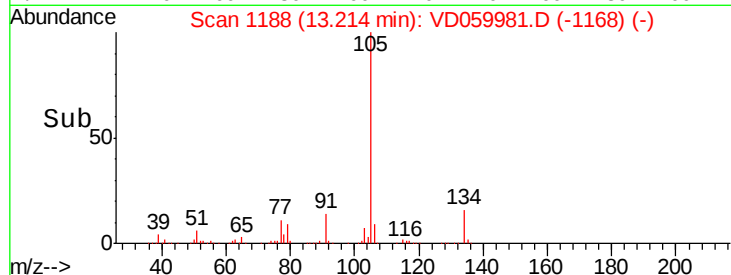
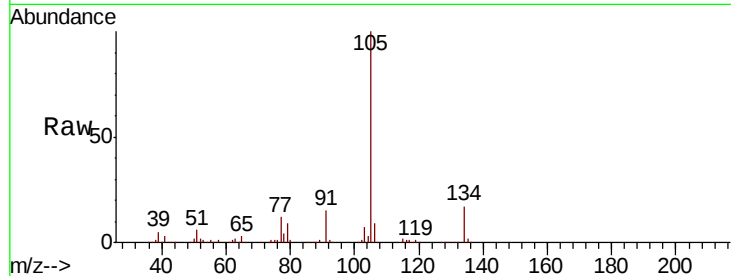
#85
 sec-Butylbenzene
 Concen: 20.92 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0906SBS01

Tot Ion:105 Resp: 1097210
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.2 24.4

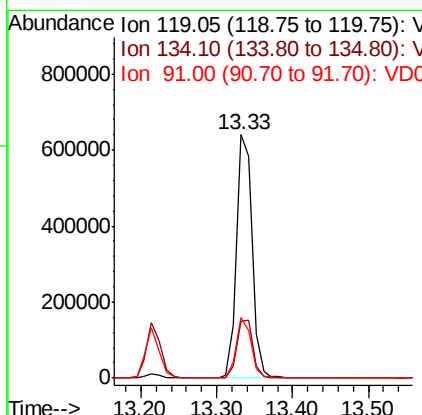
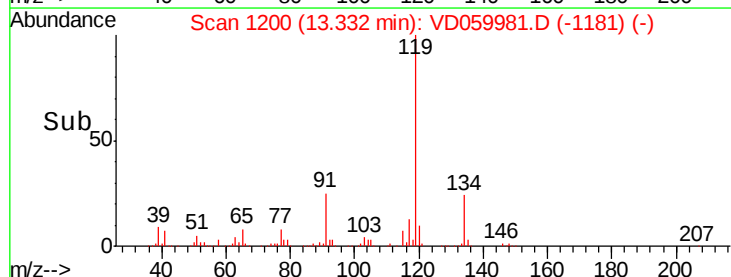
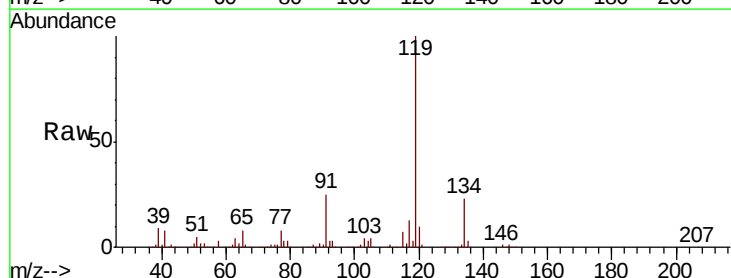
Manual Integrations
 APPROVED

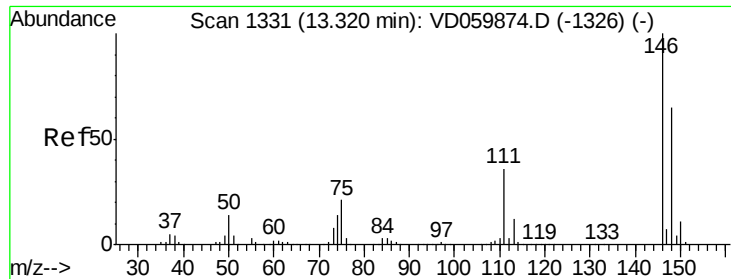
apatel
 9/7/2018 10:24:29 AM



#86
 p-Isopropyltoluene
 Concen: 21.01 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion:119 Resp: 896264
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.7 38.1
 91 25.0 11.7 35.0





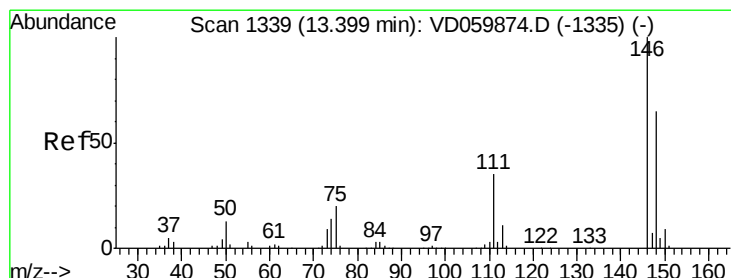
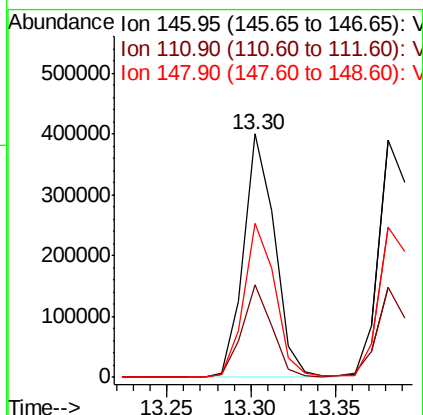
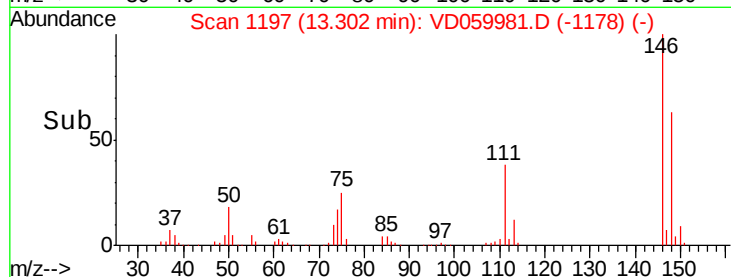
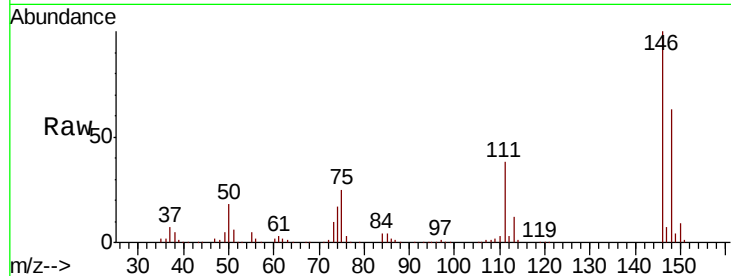
#87
 1,3-Dichlorobenzene
 Concen: 21.13 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.9	53.7
148	63.3	32.4	97.0

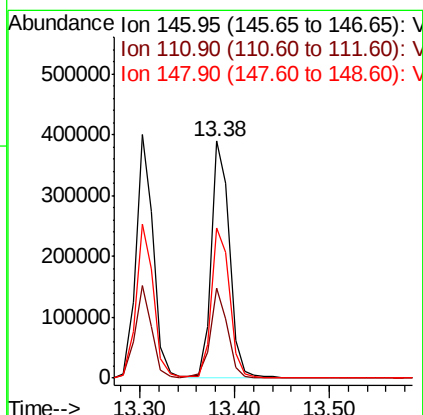
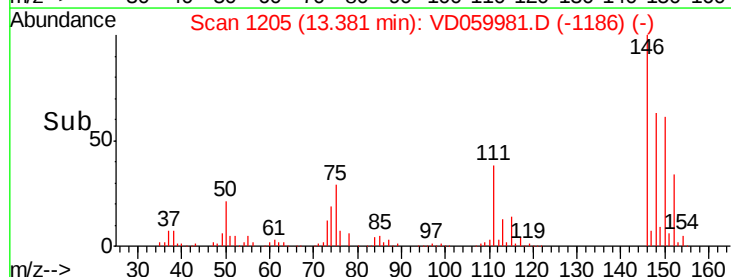
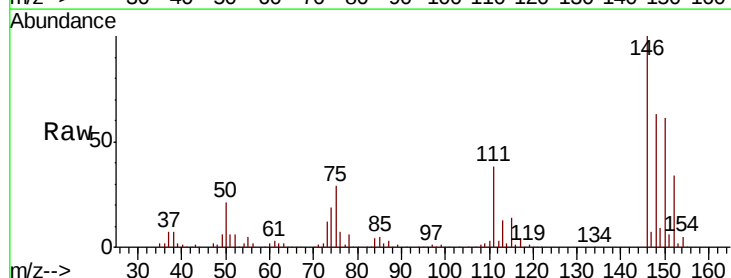
Manual Integrations
 APPROVED

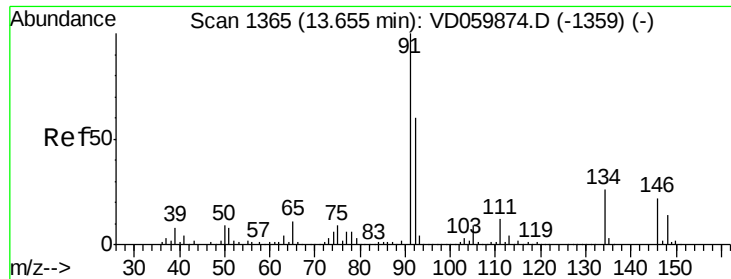
apatel
 9/7/2018 10:24:29 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.45 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.5	52.6
148	63.5	32.5	97.5





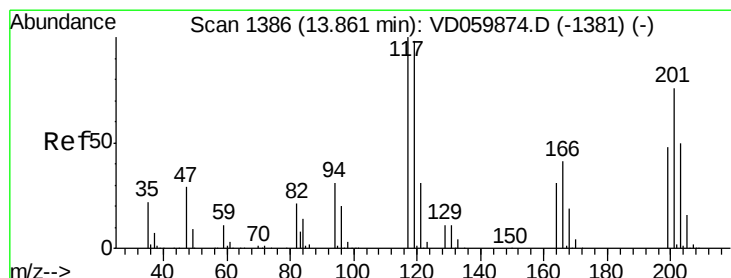
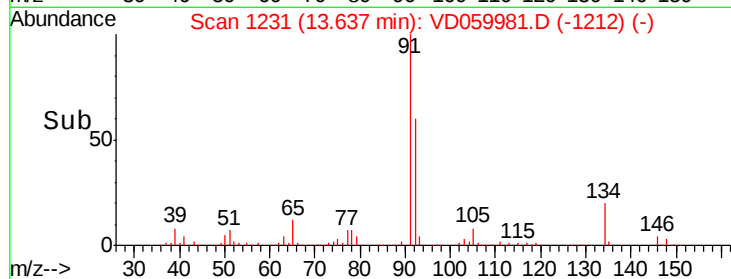
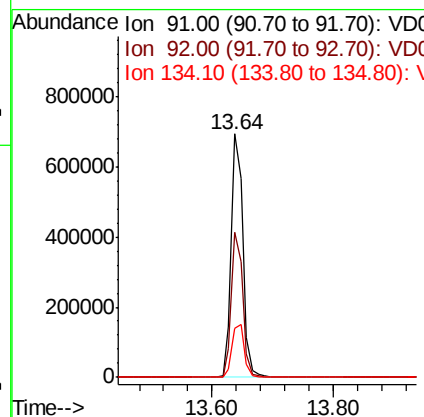
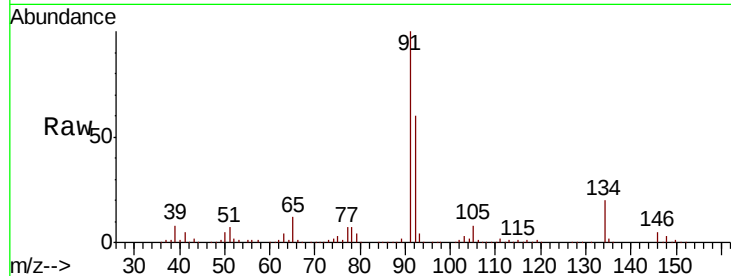
#89
n-Butylbenzene
Concen: 20.07 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	926892		
92	59.6	30.0	90.1	
134	20.3	12.8	38.4	

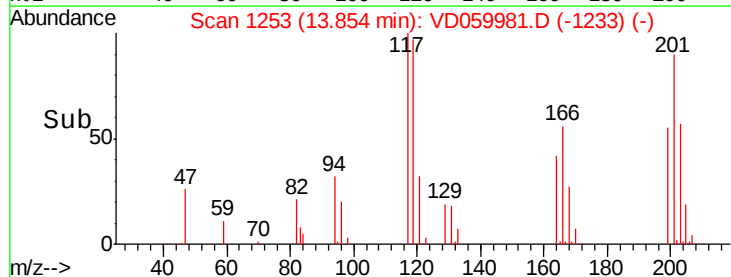
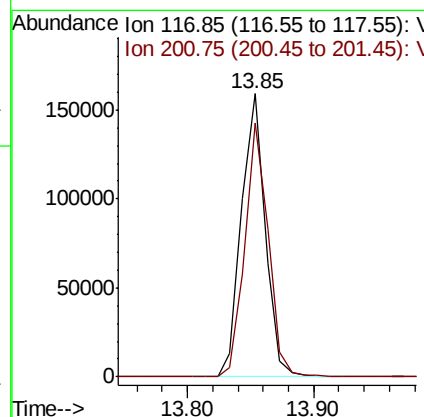
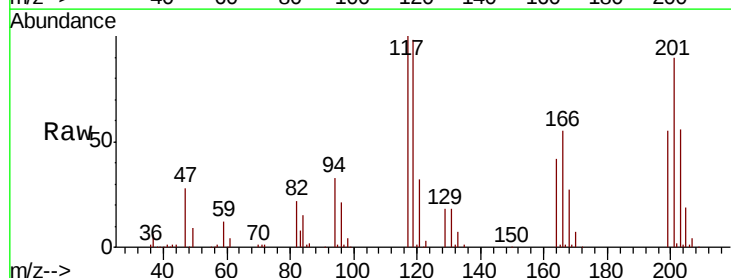
Manual Integrations
APPROVED

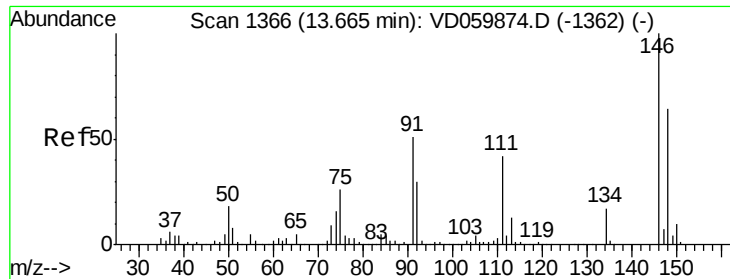
apatel
9/7/2018 10:24:29 AM



#90
Hexachloroethane
Concen: 18.01 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	206301		
201	89.6	38.1	114.5	





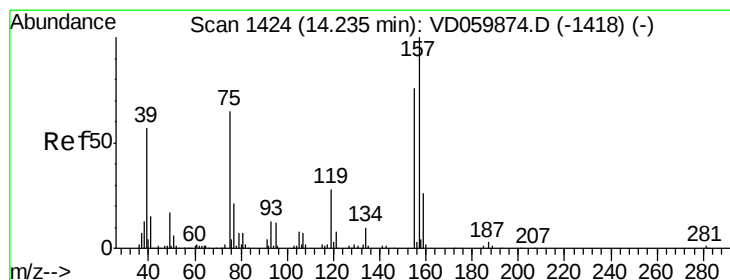
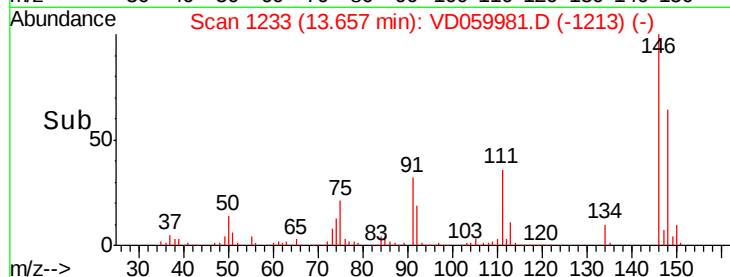
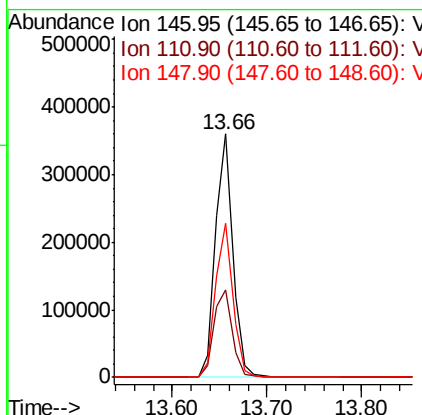
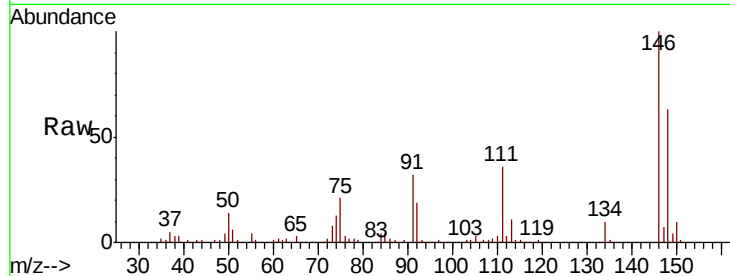
#91
 1,2-Dichlorobenzene
 Concen: 22.25 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	21.1	63.1
148	63.4	32.2	96.6

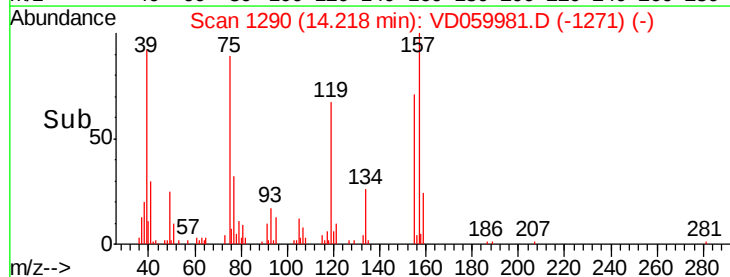
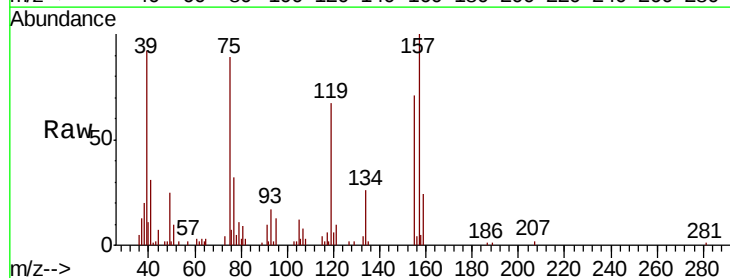
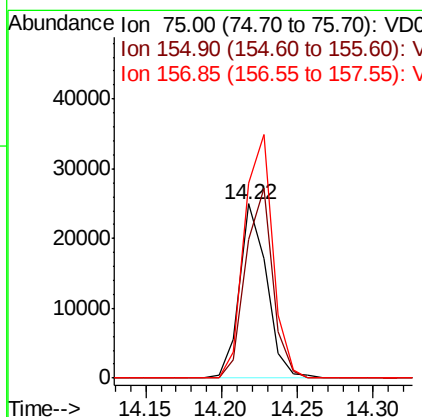
Manual Integrations
 APPROVED

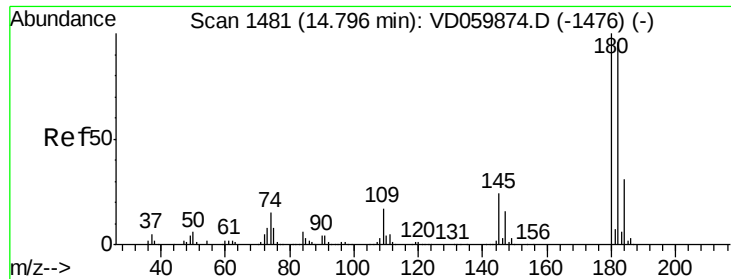
apatel
 9/7/2018 10:24:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.65 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	58.2	174.6
157	111.9	76.8	230.4





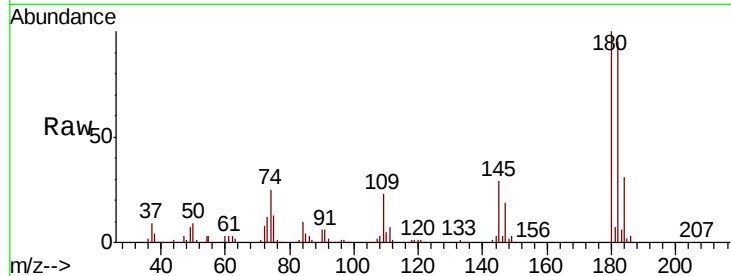
#93
 1,2,4-Trichlorobenzene
 Concen: 21.27 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

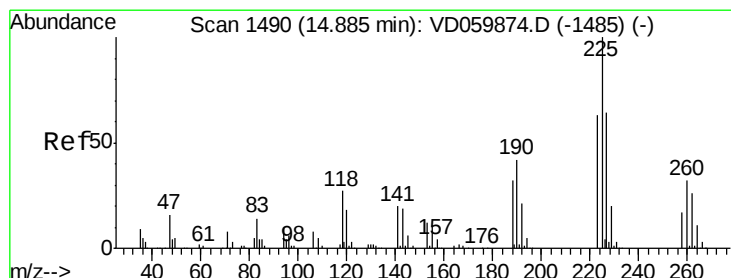
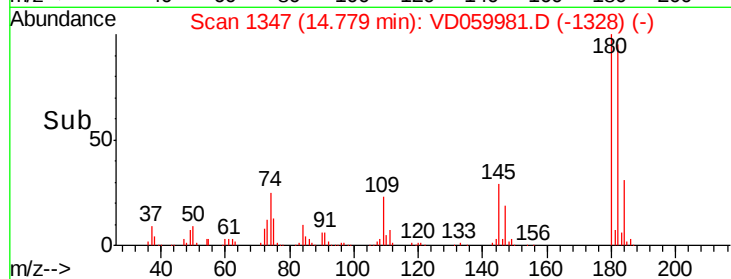
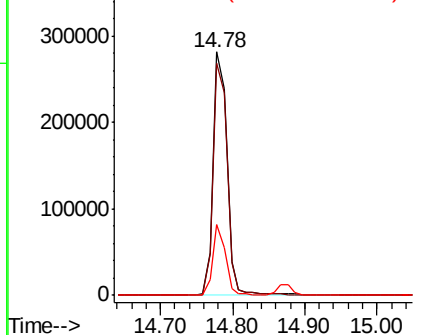
Tot Ion	Ratio	Resp	Lower	Upper
180	100	377493		
182	95.2	47.9	143.7	
145	29.1	12.2	36.4	

Manual Integrations
 APPROVED

apatel
 9/7/2018 10:24:29 AM

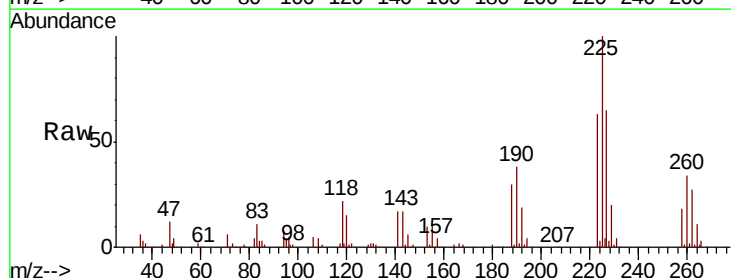


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

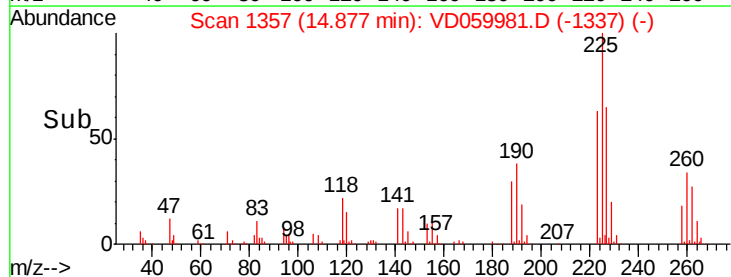
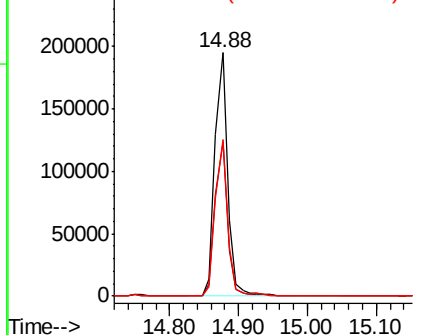


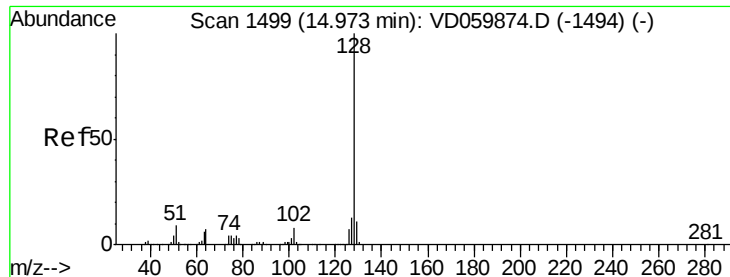
#94
 Hexachlorobutadiene
 Concen: 21.61 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	251453		
223	63.4	31.6	94.8	
227	64.6	32.0	96.0	



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





#95

Naphthalene

Concen: 20.78 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

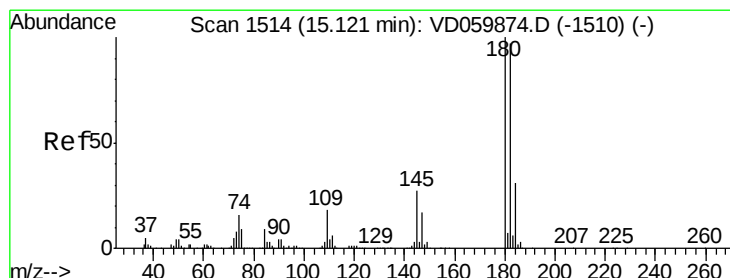
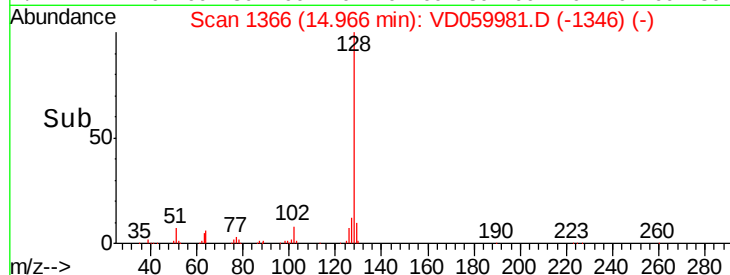
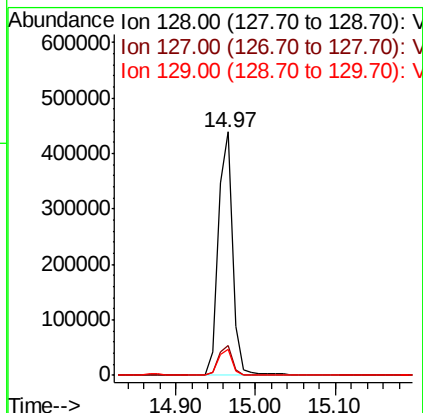
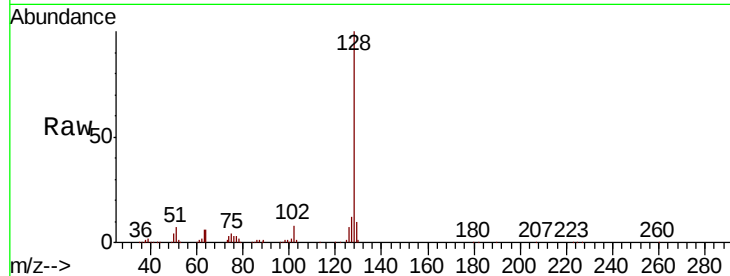
ClientSampleId :

VD0906SBS01

Tot Ion:	128	Resp:	563582
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.0	15.0
129	10.4	8.6	13.0

Manual Integrations
APPROVED

apatel
9/7/2018 10:24:29 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.52 ug/l

RT: 15.11 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Tgt Ion:	180	Resp:	326710
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.6	145.8
145	24.9	13.6	40.8

