

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082218\
 Data File : VD059879.D
 Acq On : 22 Aug 2018 16:51
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV082218

Manual Integrations
 APPROVED

apatel
 8/23/2018 10:53:19 AM

Quant Time: Aug 23 03:05:20 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	6.41	168	1212028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1651743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1384489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	731479	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	481884	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	6.32	113	633589	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	9.46	98	1815044	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.43	95	718963	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	518740	47.88	ug/l	100
3) Chloromethane	1.75	50	466687	47.55	ug/l	99
4) Vinyl Chloride	1.84	62	373653	48.55	ug/l	99
5) Bromomethane	2.13	94	60568	45.58	ug/l	92
6) Chloroethane	2.24	64	118563	47.01	ug/l	97
7) Trichlorofluoromethane	2.50	101	431874	48.51	ug/l	100
8) Diethyl Ether	2.82	74	99182	49.66	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.08	101	264231	48.46	ug/l	96
10) Methyl Iodide	3.23	142	265586	46.02	ug/l	99
11) Tert butyl alcohol	3.97	59	206002	264.28	ug/l	98
12) 1,1-Dichloroethene	3.07	96	202686	47.75	ug/l	94
13) Acrolein	2.98	56	89108	263.58	ug/l	98
14) Allyl chloride	3.53	41	481548	50.15	ug/l	95
15) Acrylonitrile	4.08	53	721680	247.24	ug/l	100
16) Acetone	3.15	43	526911	283.11	ug/l	100
17) Carbon Disulfide	3.30	76	652047	49.49	ug/l	100
18) Methyl Acetate	3.55	43	190216	48.96	ug/l	96
19) Methyl tert-butyl Ether	4.12	73	1193418	49.70	ug/l	99
20) Methylene Chloride	3.71	84	623905	50.24	ug/l	97
21) trans-1,2-Dichloroethene	4.09	96	566188	48.41	ug/l	96
22) Diisopropyl ether	4.86	45	2396356	48.93	ug/l	98
23) Vinyl Acetate	4.81	43	6919663	252.76	ug/l	100
24) 1,1-Dichloroethane	4.75	63	1041589	49.23	ug/l	99
25) 2-Butanone	5.62	43	1494328	271.10	ug/l	99
26) 2,2-Dichloropropane	5.59	77	852630	48.21	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	634219	49.53	ug/l	100
28) Bromochloromethane	5.93	49	481811	47.52	ug/l	96
29) Tetrahydrofuran	5.96	42	668409	254.71	ug/l	100
30) Chloroform	6.11	83	1069618	49.75	ug/l	99
31) Cyclohexane	6.37	56	905288	46.54	ug/l	100
32) 1,1,1-Trichloroethane	6.29	97	885422	48.52	ug/l	99
36) 1,1-Dichloropropene	6.53	75	755505	50.46	ug/l	98
37) Ethyl Acetate	5.70	43	575998	49.44	ug/l	99
38) Carbon Tetrachloride	6.50	117	749451	49.60	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	831596	51.41	ug/l	98
40) Benzene	6.80	78	1927471	49.51	ug/l	99
41) Methacrylonitrile	5.94	41	327447m	55.79	ug/l	
42) 1,2-Dichloroethane	6.90	62	631404	50.52	ug/l	98
43) Isopropyl Acetate	8.36	43	791164	52.19	ug/l	98
44) Trichloroethene	7.74	130	577292	50.36	ug/l	93
45) 1,2-Dichloropropane	8.10	63	540033	49.62	ug/l	98
46) Dibromomethane	8.22	93	354906	50.72	ug/l	95
47) Bromodichloromethane	8.50	83	789474	49.84	ug/l	98
48) Methyl methacrylate	8.25	41	452022	51.16	ug/l	99
49) 1,4-Dioxane	8.23	88	82674	1047.99	ug/l #	88
51) 4-Methyl-2-Pentanone	9.35	43	3167148	280.26	ug/l	99
52) Toluene	9.56	92	1269545	50.85	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	748602	51.09	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	881523	51.89	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	422281	46.27	ug/l	98
56) Ethyl methacrylate	10.04	69	536863	50.98	ug/l	99
57) 1,3-Dichloropropane	10.39	76	672767	50.94	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	1297402	256.79	ug/l	97
59) 2-Hexanone	10.50	43	2297031	275.58	ug/l	100
60) Dibromochloromethane	10.64	129	586769	51.16	ug/l	99
61) 1,2-Dibromoethane	10.76	107	477275	51.72	ug/l	99
64) Tetrachloroethene	10.26	164	518046	48.39	ug/l	99
65) Chlorobenzene	11.32	112	1394080	50.67	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	500442	49.79	ug/l	100
67) Ethyl Benzene	11.43	91	2324444	50.22	ug/l	100
68) m/p-Xylenes	11.57	106	1751713	103.95	ug/l	97
69) o-Xylene	11.94	106	820580	49.79	ug/l	100
70) Styrene	11.96	104	1437114	50.36	ug/l	99
71) Bromoform	12.12	173	448641	51.59	ug/l	99
73) Isopropylbenzene	12.28	105	2305600	49.38	ug/l	100
74) N-amyl acetate	12.14	43	1021636	49.97	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.57	83	544973	50.46	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	568600	50.01	ug/l	98
77) Bromobenzene	12.54	156	643483	49.71	ug/l	99
78) n-propylbenzene	12.64	91	2992849	50.62	ug/l	100
79) 2-Chlorotoluene	12.71	91	1663684	49.75	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	1840755	49.58	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	178751	50.55	ug/l	99
82) 4-Chlorotoluene	12.82	91	1871930	49.08	ug/l	99
83) tert-Butylbenzene	13.05	119	2132640	50.43	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1935289	50.02	ug/l	99
85) sec-Butylbenzene	13.22	105	2386902	48.00	ug/l	99
86) p-Isopropyltoluene	13.35	119	1999102	49.43	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1157037	50.06	ug/l	99
88) 1,4-Dichlorobenzene	13.40	146	1159429	50.28	ug/l	99
89) n-Butylbenzene	13.65	91	1980286	51.72	ug/l	99
90) Hexachloroethane	13.86	117	545762	50.25	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	981823	49.96	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	81204	48.90	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	837583	49.78	ug/l	99
94) Hexachlorobutadiene	14.89	225	564055	51.14	ug/l	99
95) Naphthalene	14.97	128	1331536	51.78	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	729522	50.69	ug/l	100

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

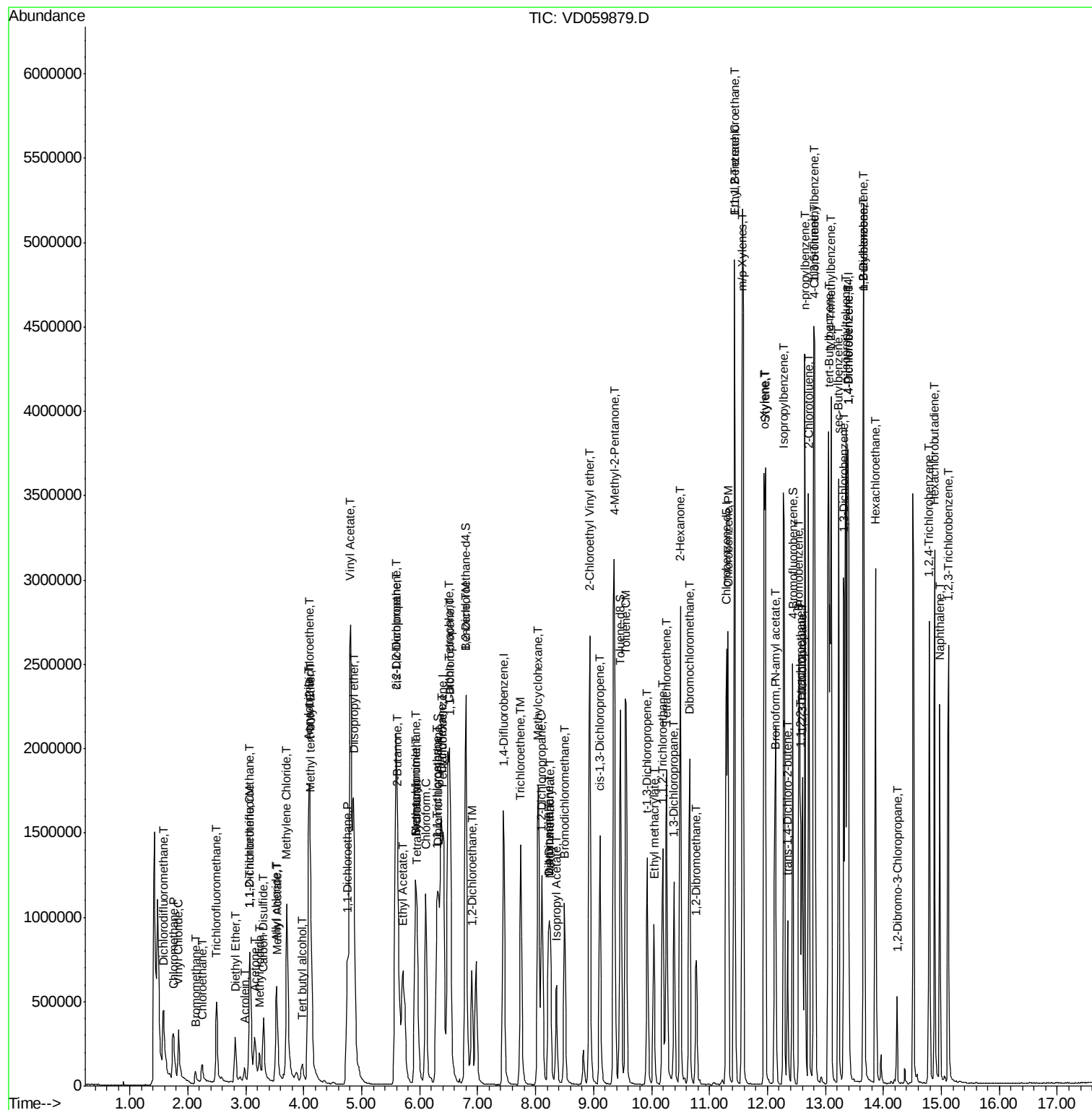
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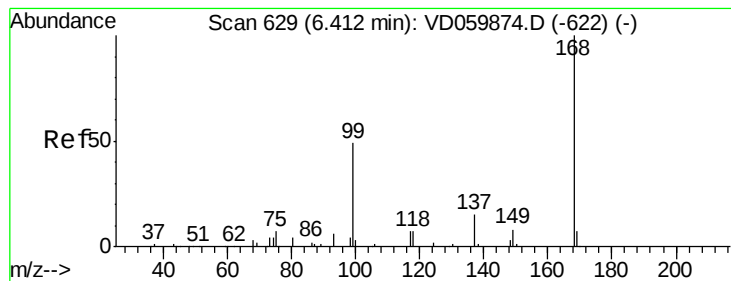
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Tot Ion: 168 Resp: 1212028

Ion Ratio Lower Upper

168 100

99 49.6 42.2 63.2

Instrument :

MSVOA_D

ClientSampleId :

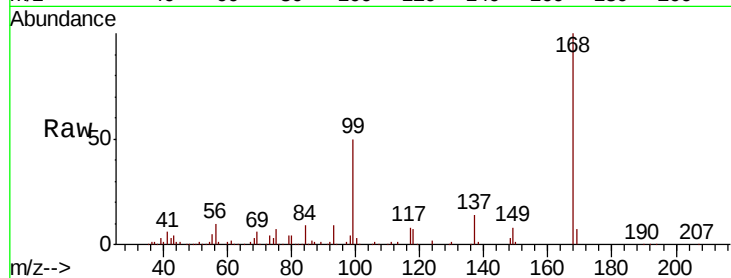
ICVVD082218

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

400000

300000

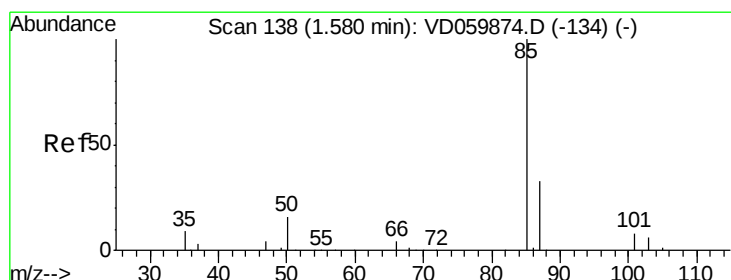
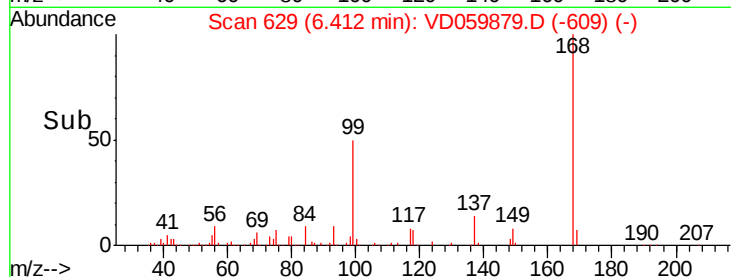
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 47.88 ug/l

RT: 1.58 min Scan# 138

Delta R.T. 0.00 min

Lab File: VD059879.D

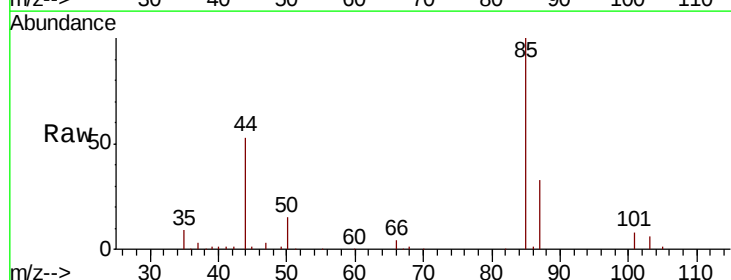
Acq: 22 Aug 2018 16:51

Tgt Ion: 85 Resp: 518740

Ion Ratio Lower Upper

85 100

87 33.4 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

200000

150000

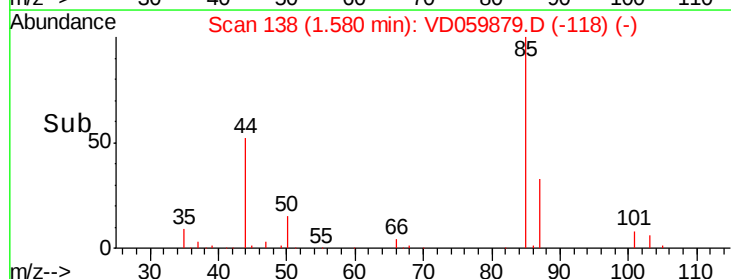
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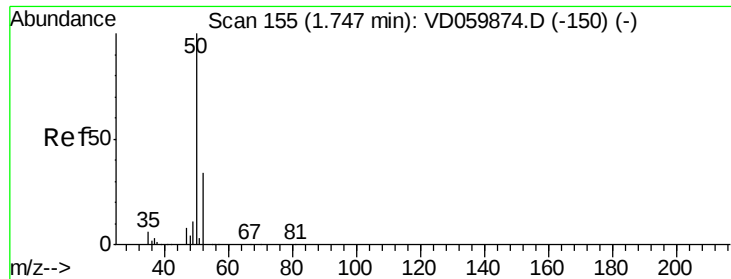
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.55 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 50 Resp: 466687

Ion Ratio Lower Upper

50 100

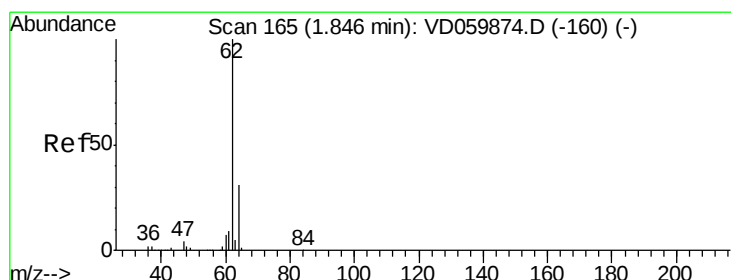
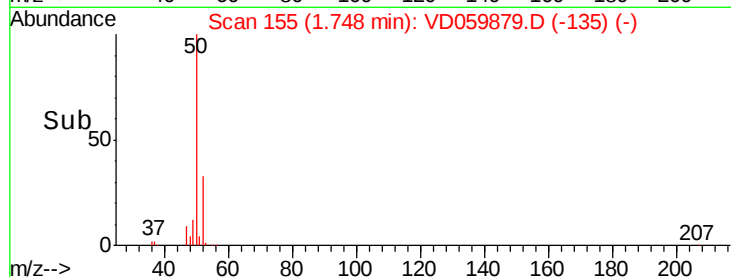
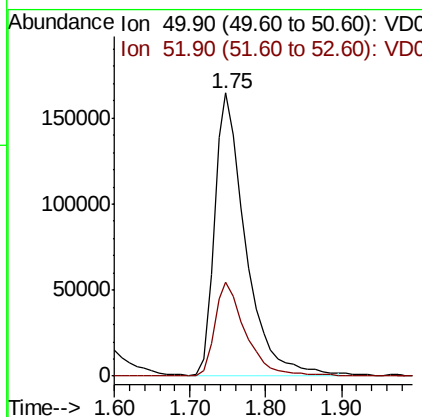
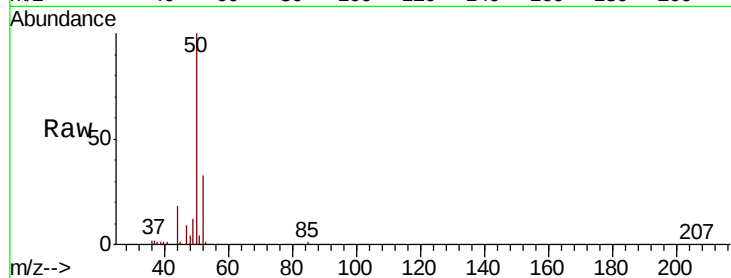
52 33.2 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.55 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059879.D

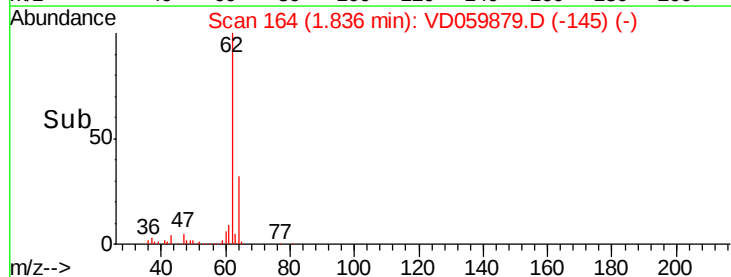
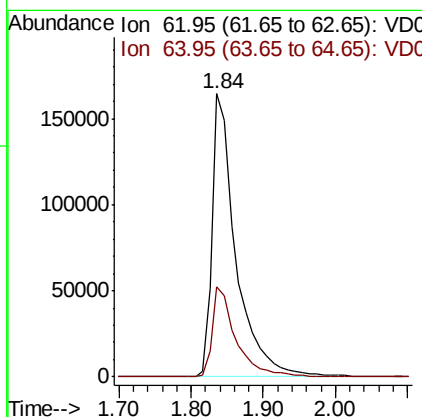
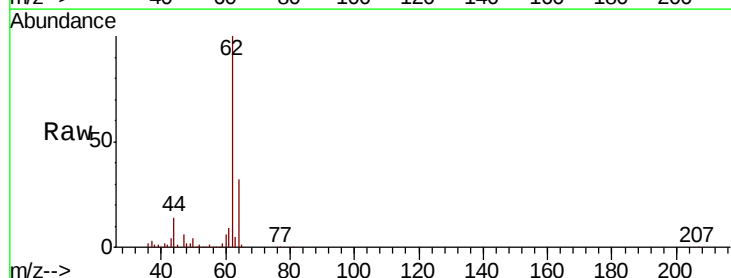
Acq: 22 Aug 2018 16:51

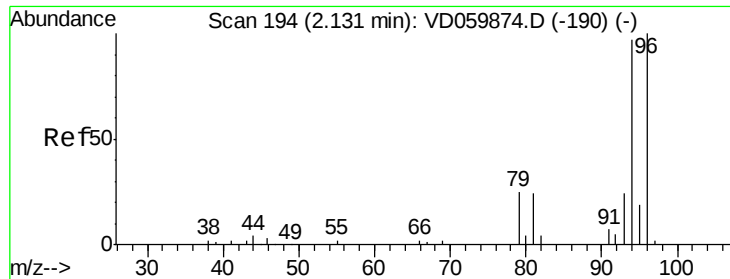
Tgt Ion: 62 Resp: 373653

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.6





#5

Bromomethane

Concen: 45.58 ug/l

RT: 2.13 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 60568

Ion Ratio Lower Upper

94 100

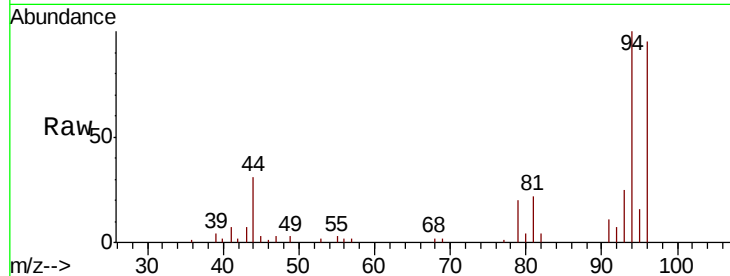
96 95.3 82.4 123.6

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

25000

20000

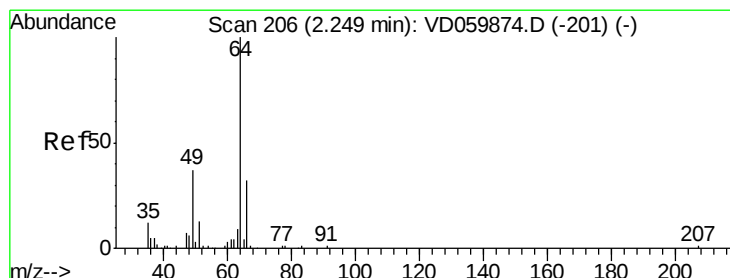
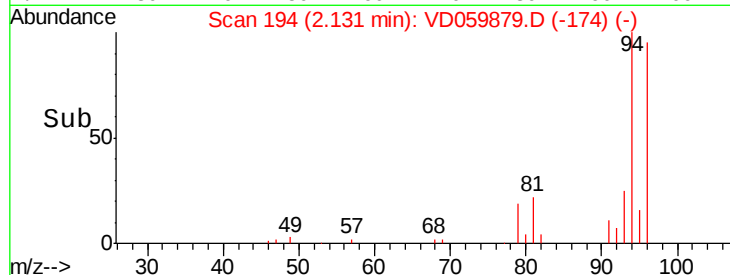
15000

10000

5000

0

Time--> 2.00 2.10 2.20 2.30



#6

Chloroethane

Concen: 47.01 ug/l

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059879.D

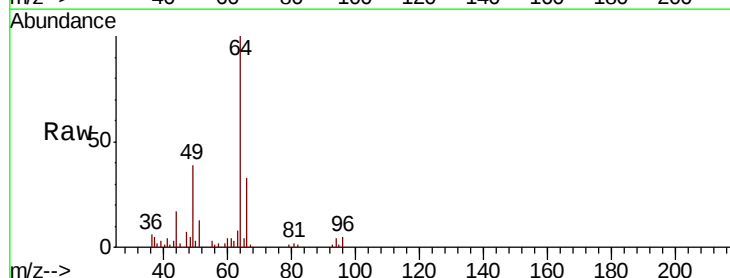
Acq: 22 Aug 2018 16:51

Tgt Ion: 64 Resp: 118563

Ion Ratio Lower Upper

64 100

66 33.2 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.24

50000

40000

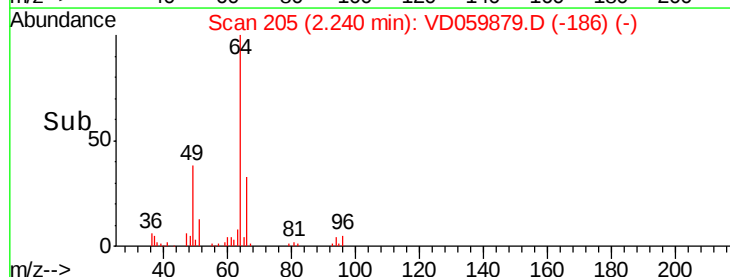
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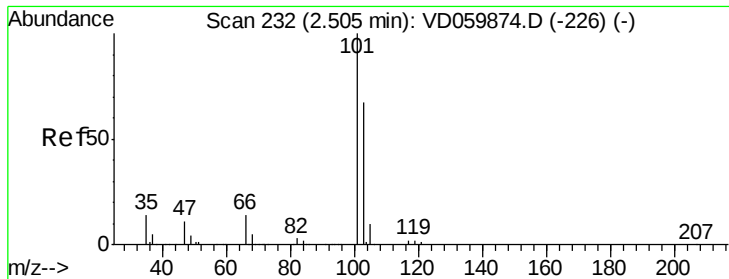
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10000

0

Time--> 2.10 2.20 2.30 2.40





#7

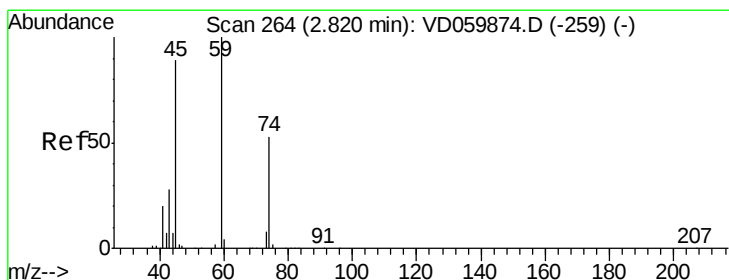
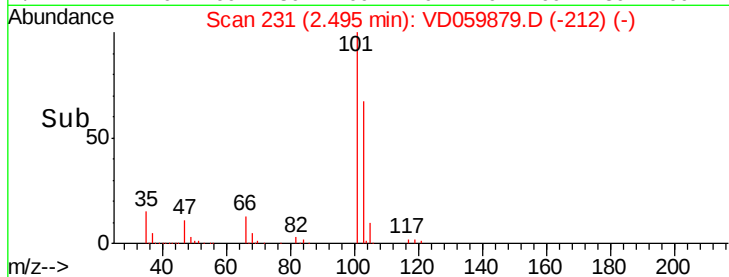
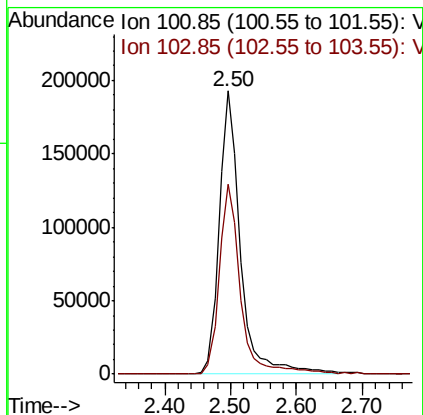
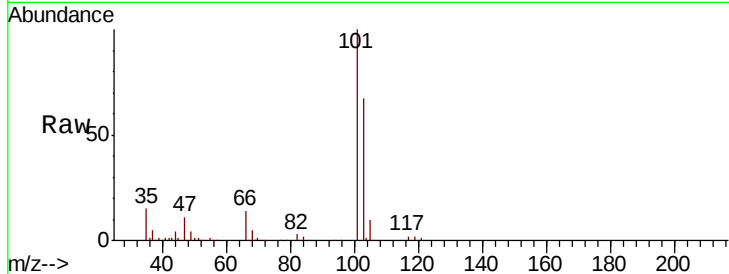
Trichlorofluoromethane
Concen: 48.51 ug/l
RT: 2.50 min Scan# 231
Delta R.T. -0.01 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	431874		
103	67.2	53.7	80.5	

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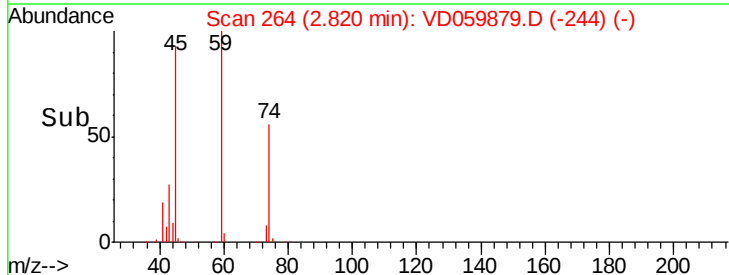
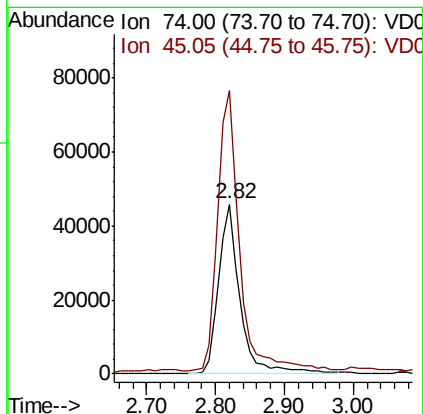
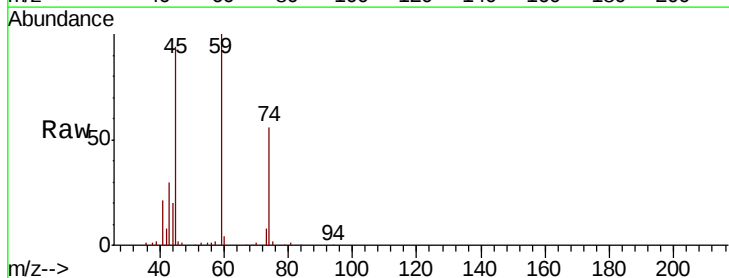
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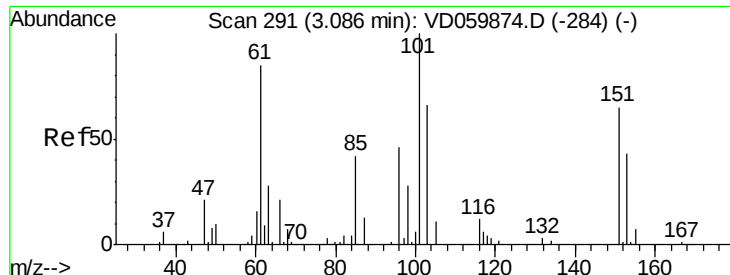


#8

Diethyl Ether
Concen: 49.66 ug/l
RT: 2.82 min Scan# 264
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	99182		
45	166.8	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.46 ug/l

RT: 3.08 min Scan# 290

Delta R.T. -0.01 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

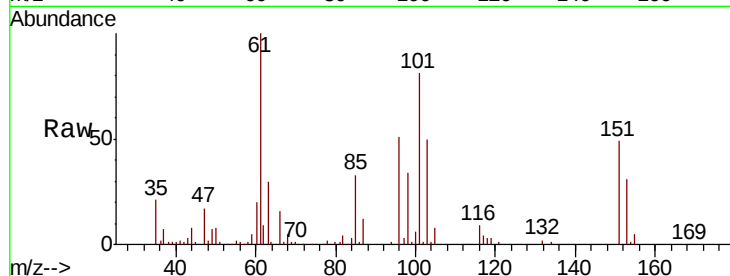
ClientSampleId :

ICVVD082218

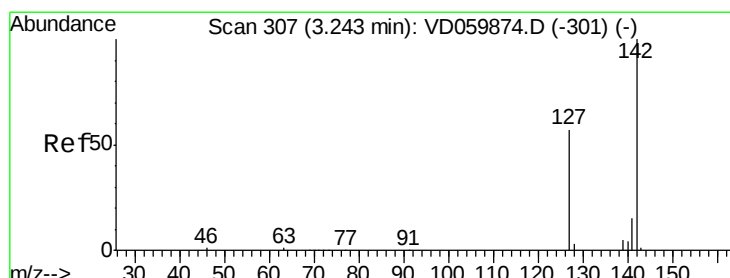
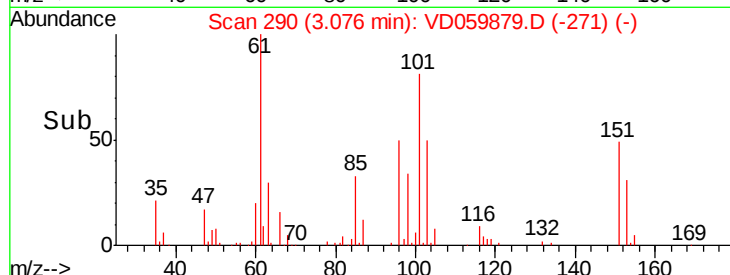
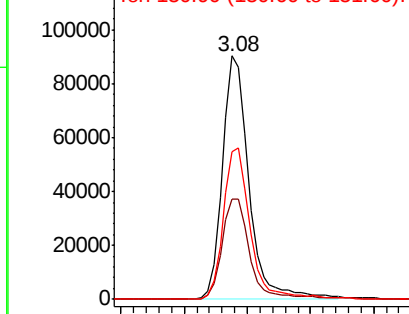
Tot Ion:	101	Resp:	264231
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.6	50.4
151	60.5	52.0	78.0

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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: 46.02 ug/l

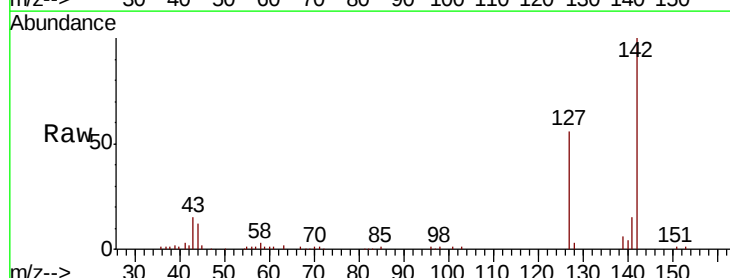
RT: 3.23 min Scan# 306

Delta R.T. -0.01 min

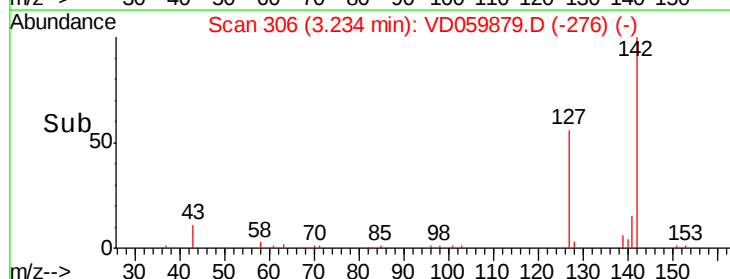
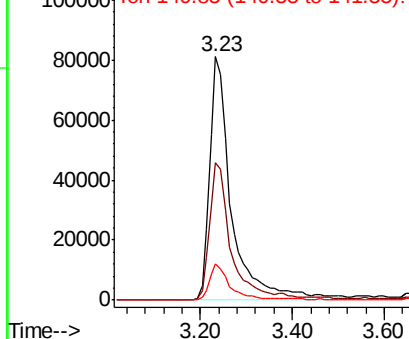
Lab File: VD059879.D

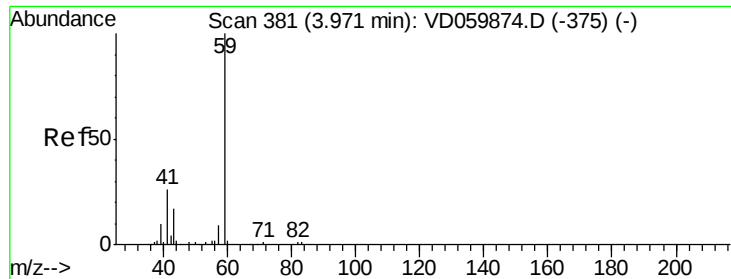
Acq: 22 Aug 2018 16:51

Tgt Ion:	142	Resp:	265586
Ion Ratio	Lower	Upper	
142	100		
127	56.2	45.8	68.6
141	15.1	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





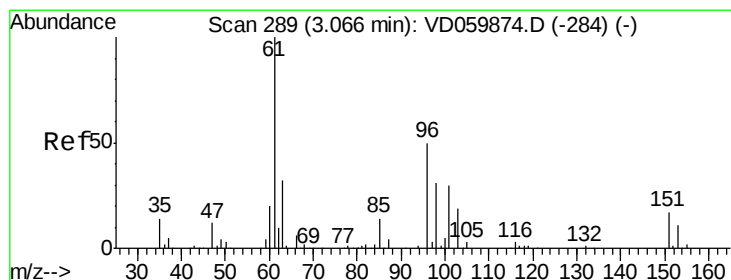
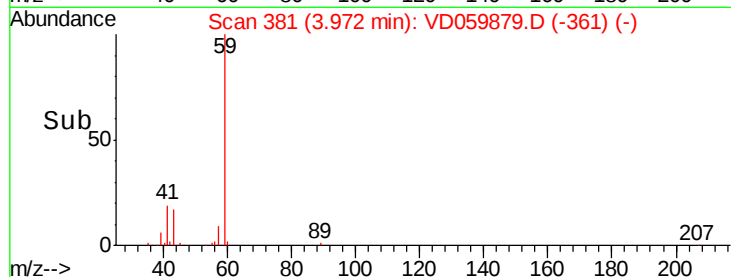
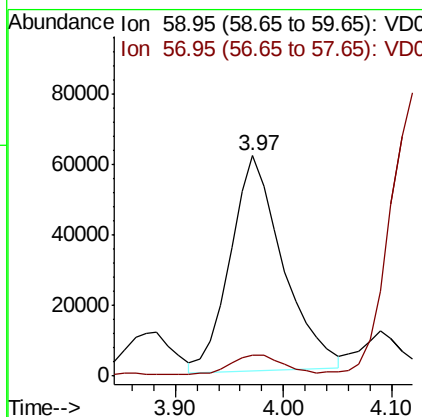
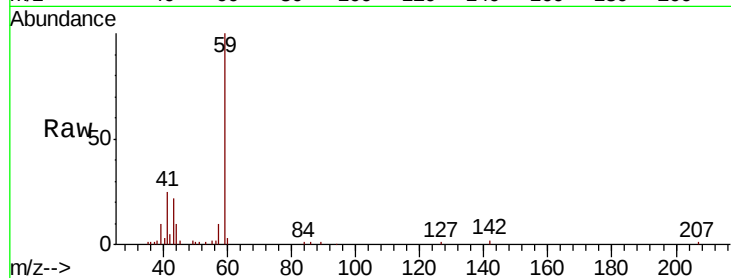
#11
Tert butyl alcohol
Concen: 264.28 ug/l
RT: 3.97 min Scan# 381
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.4	11.0

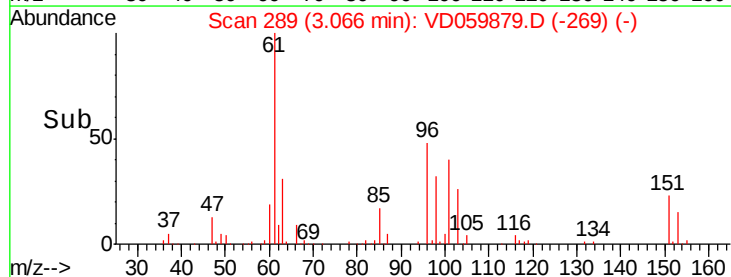
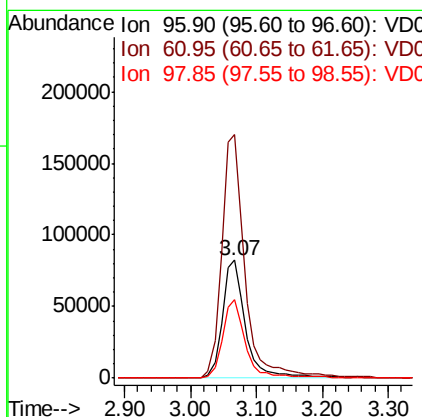
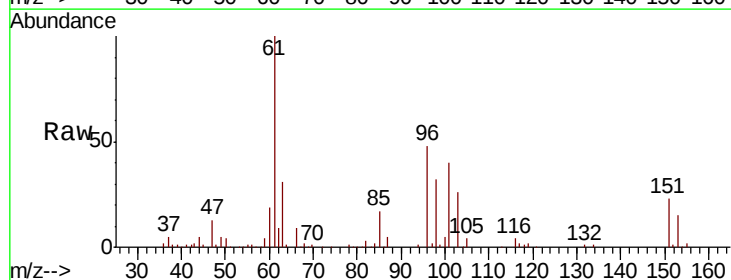
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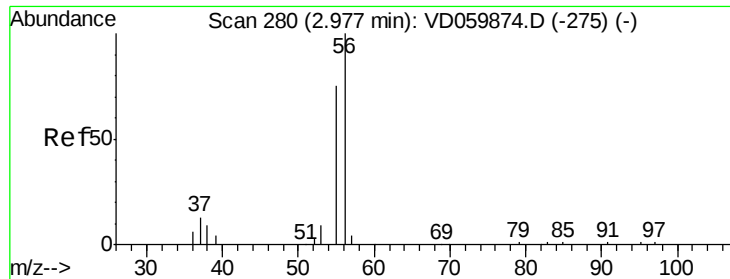
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#12
1,1-Dichloroethene
Concen: 47.75 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	206.6	158.8	238.2
98	67.0	48.7	73.1





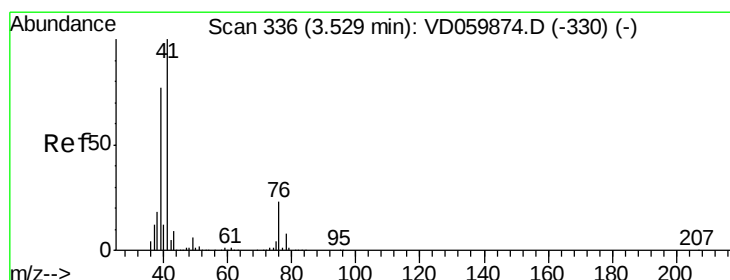
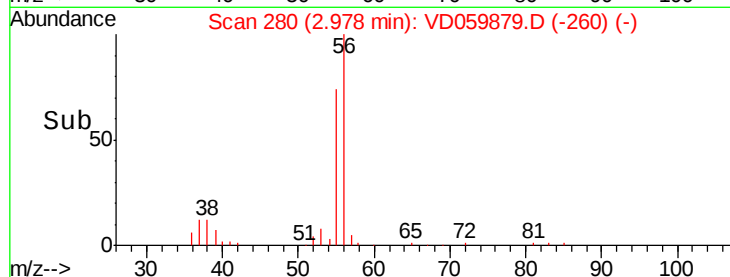
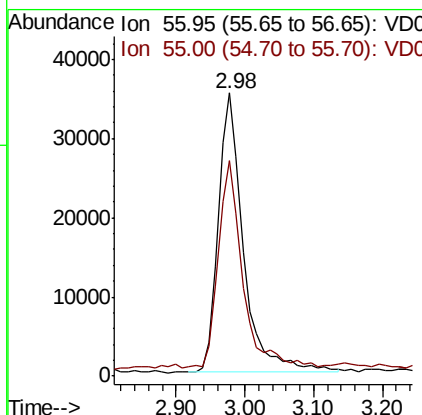
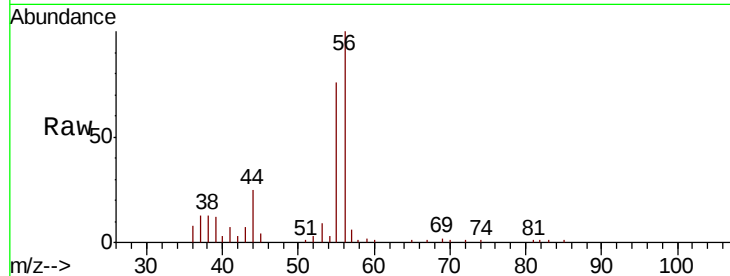
#13
Acrolein
Concen: 263.58 ug/l
RT: 2.98 min Scan# 280
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	56	Resp	89108
Ion Ratio	100	Lower	Upper
55	76.1	61.9	92.9

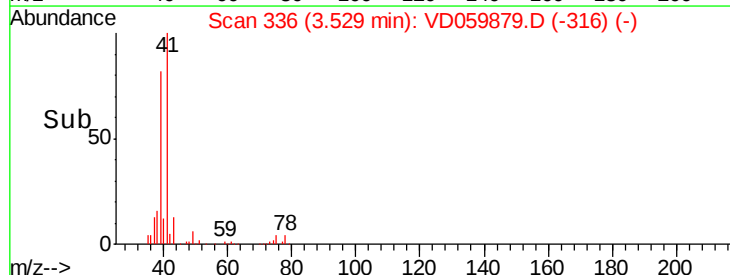
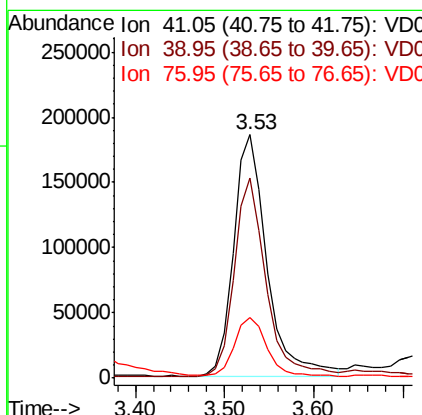
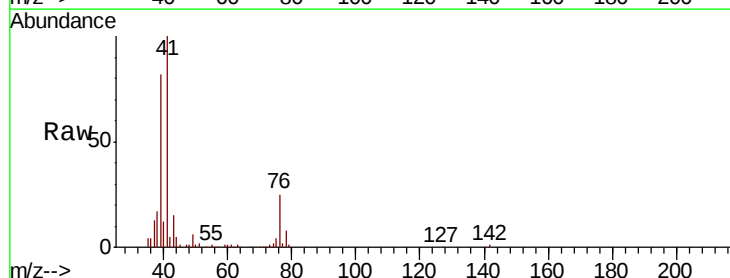
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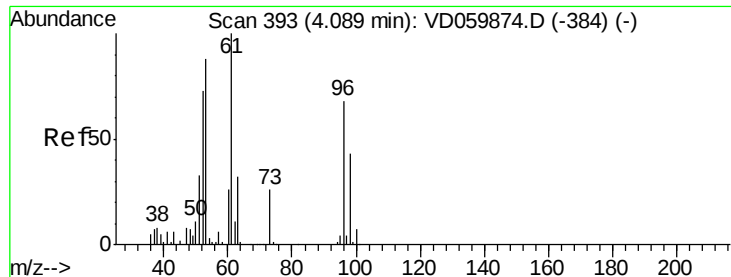
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#14
Allyl chloride
Concen: 50.15 ug/l
RT: 3.53 min Scan# 336
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	41	Resp	481548
Ion Ratio	100	Lower	Upper
39	82.3	61.8	92.6
76	24.7	19.4	29.2





#15

Acrylonitrile

Concen: 247.24 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

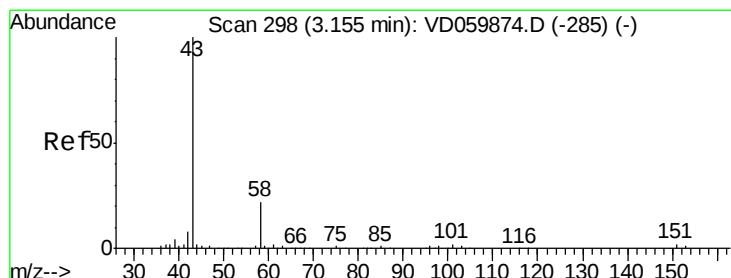
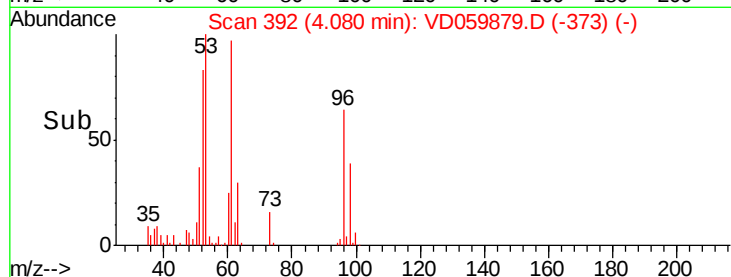
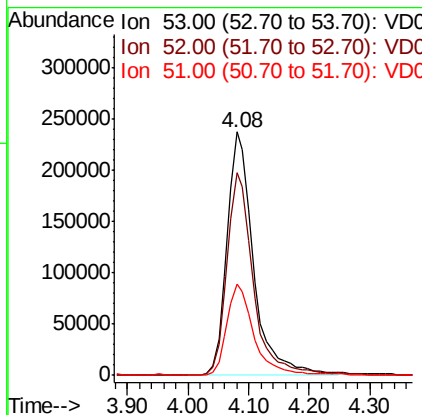
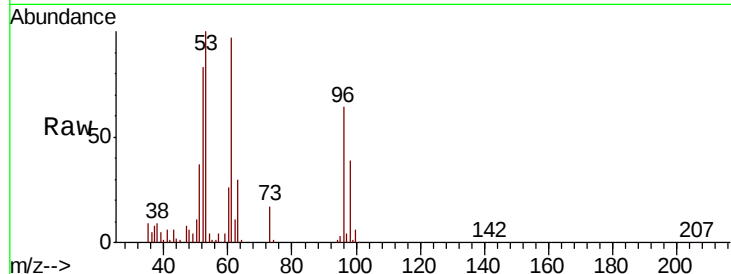
ClientSampleId :

ICVVD082218

Tot Ion:	53	Resp:	721680
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.9	100.3
51	37.4	30.3	45.5

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#16

Acetone

Concen: 283.11 ug/l

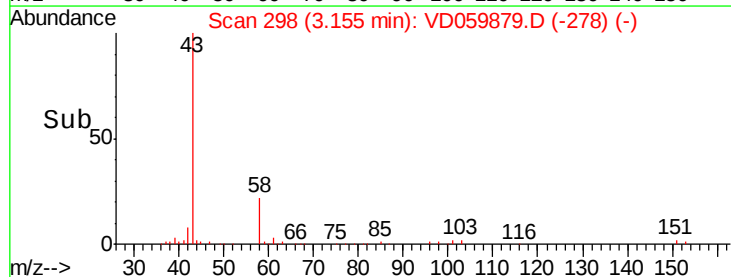
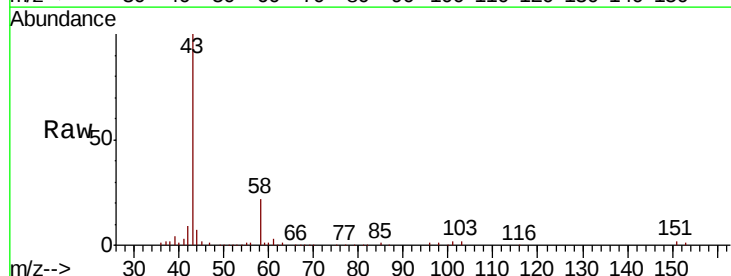
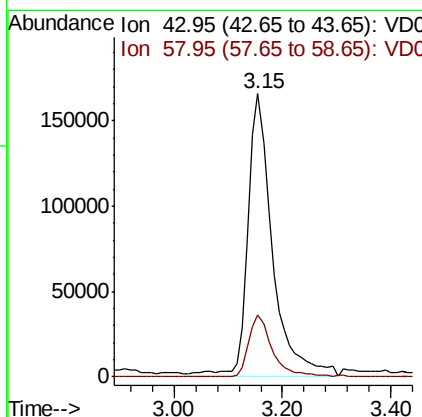
RT: 3.15 min Scan# 298

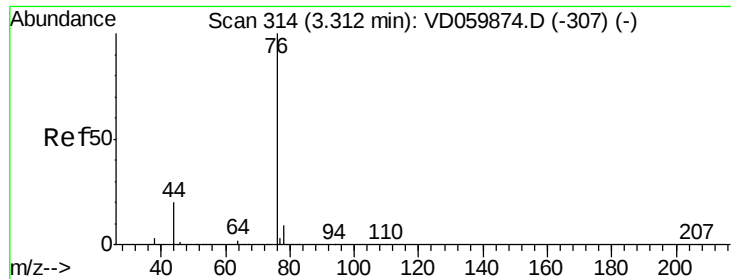
Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Tgt Ion:	43	Resp:	526911
Ion	Ratio	Lower	Upper
43	100		
58	21.9	17.6	26.4





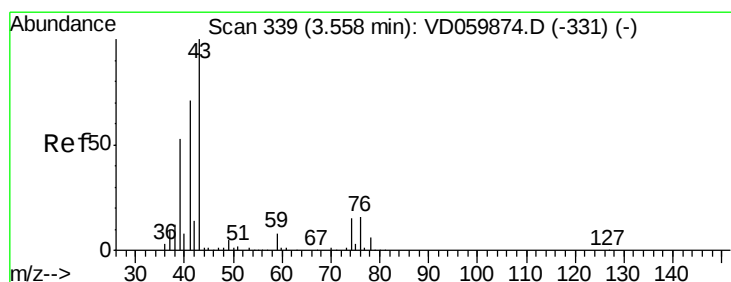
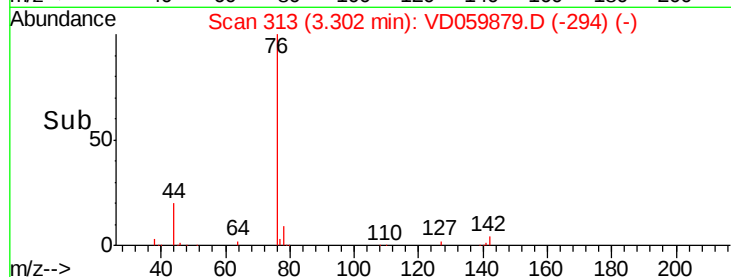
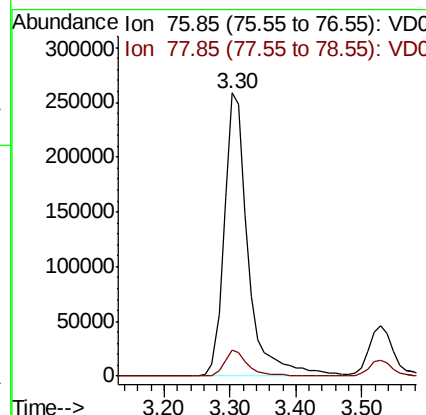
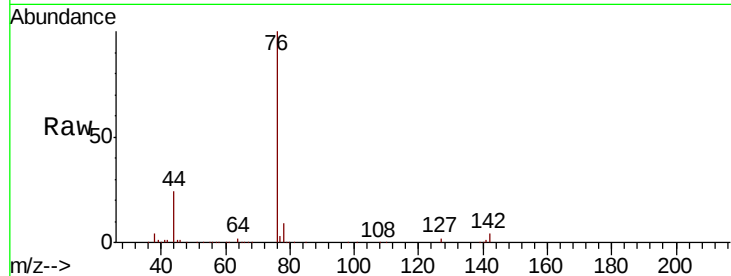
#17
Carbon Disulfide
Concen: 49.49 ug/l
RT: 3.30 min Scan# 313
Delta R.T. -0.01 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

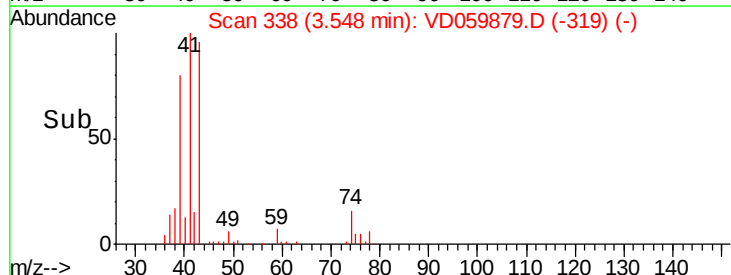
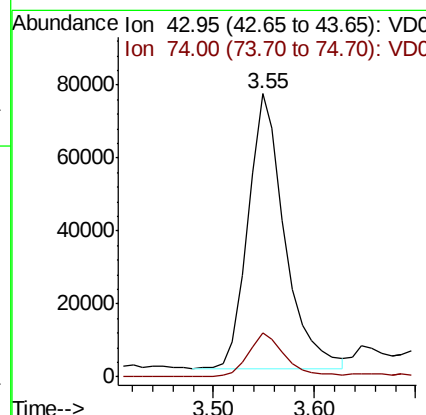
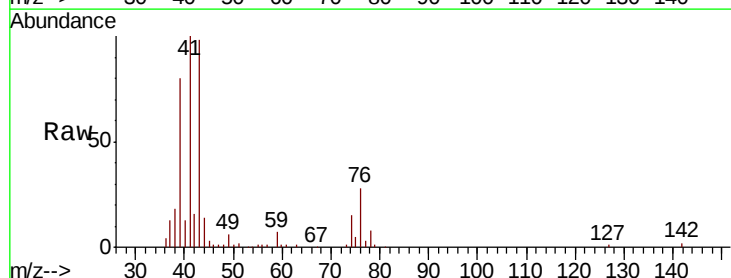
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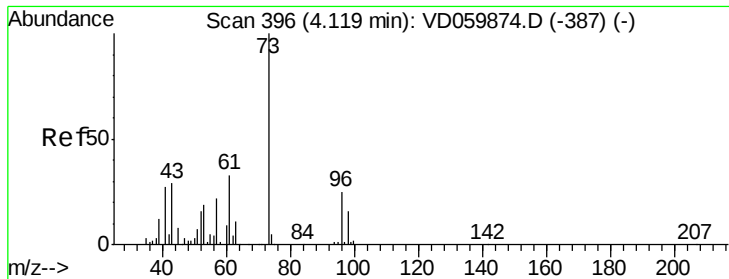
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#18
Methyl Acetate
Concen: 48.96 ug/l
RT: 3.55 min Scan# 338
Delta R.T. -0.01 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.6	11.2	16.8





#19

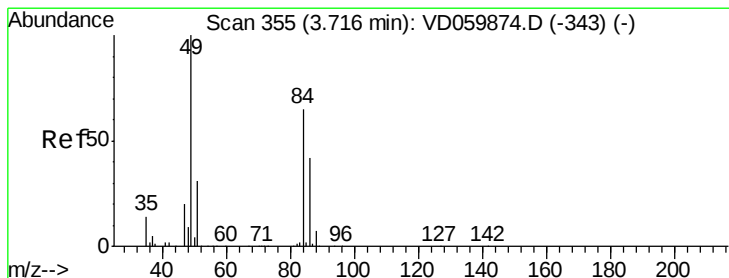
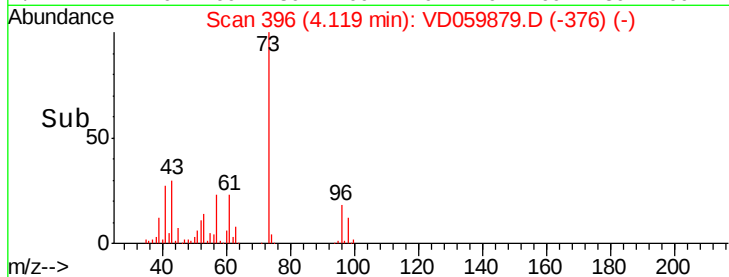
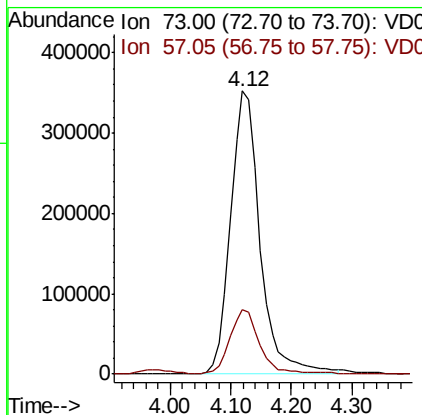
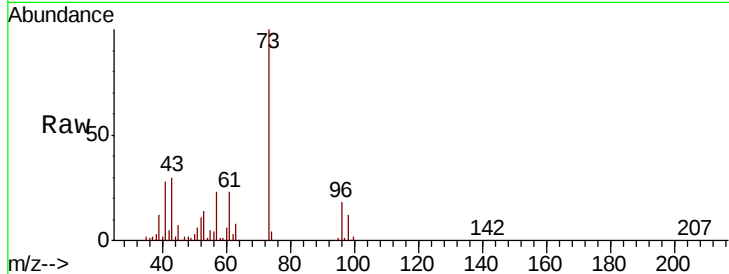
Methyl tert-butyl Ether
 Concen: 49.70 ug/l
 RT: 4.12 min Scan# 396
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD082218

Tot Ion: 73 Resp: 1193418
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.9 26.9

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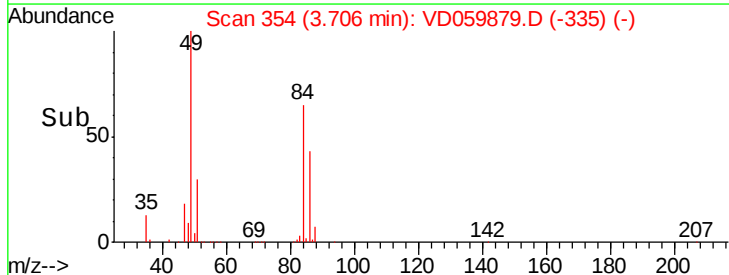
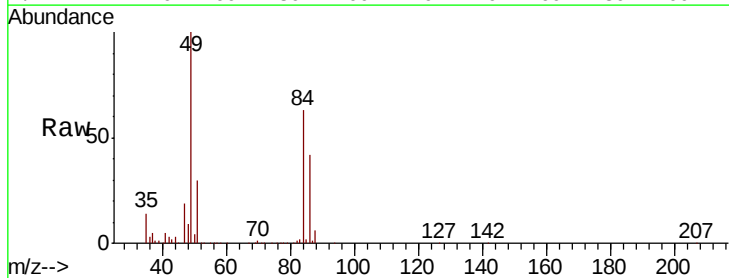
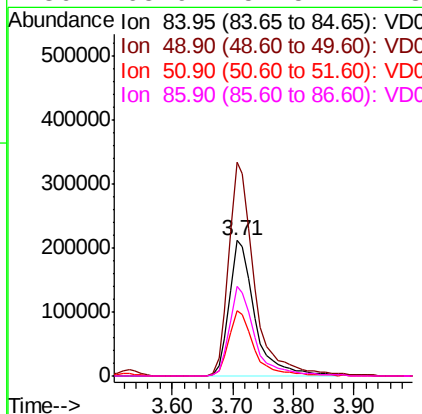
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#20

Methylene Chloride
 Concen: 50.24 ug/l
 RT: 3.71 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Tgt Ion: 84 Resp: 623905
 Ion Ratio Lower Upper
 84 100
 49 158.0 122.6 183.8
 51 48.0 38.4 57.6
 86 65.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.41 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.01 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

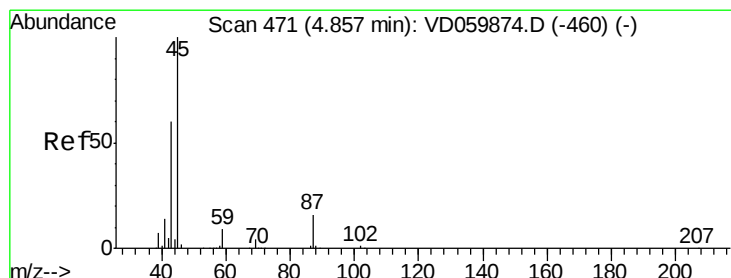
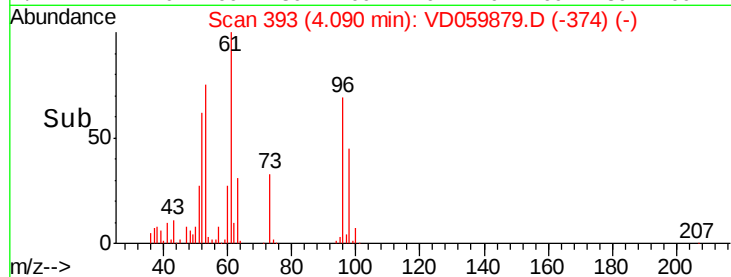
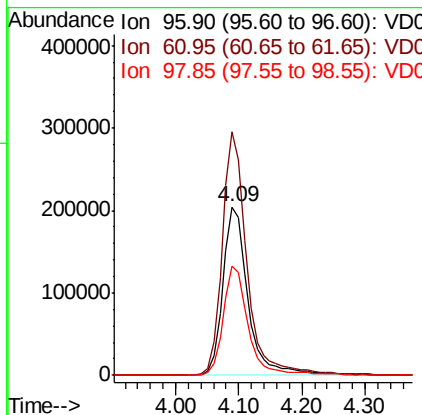
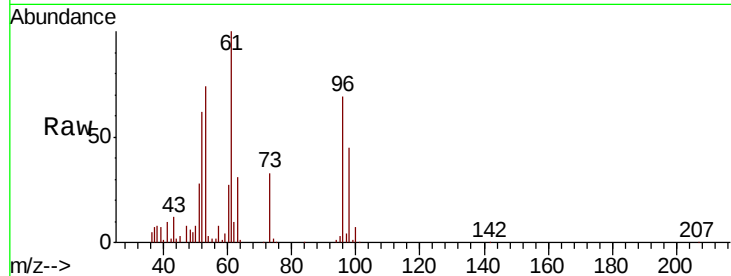
ClientSampleId :

ICVVD082218

Tot Ion:	96	Resp:	566188
Ion	Ratio	Lower	Upper
96	100		
61	144.6	110.2	165.4
98	65.0	50.9	76.3

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#22

Diisopropyl ether

Concen: 48.93 ug/l

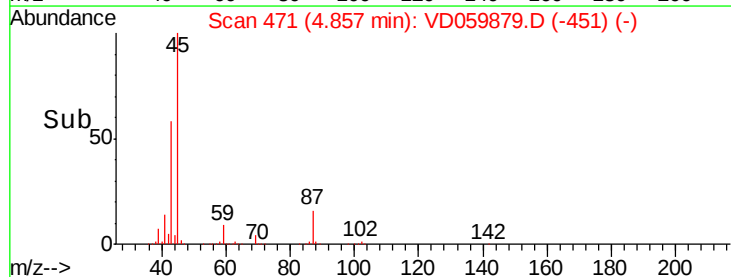
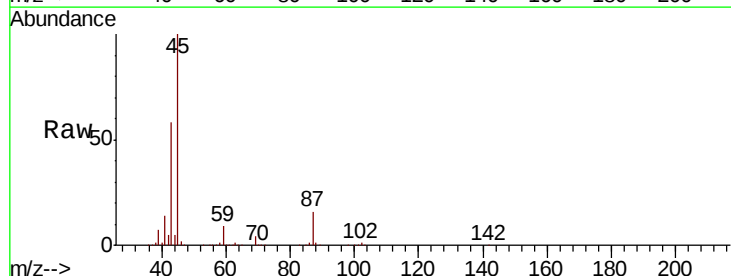
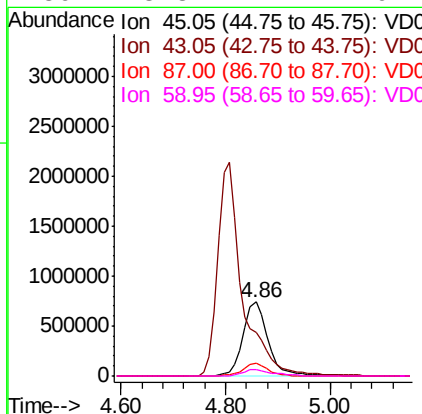
RT: 4.86 min Scan# 471

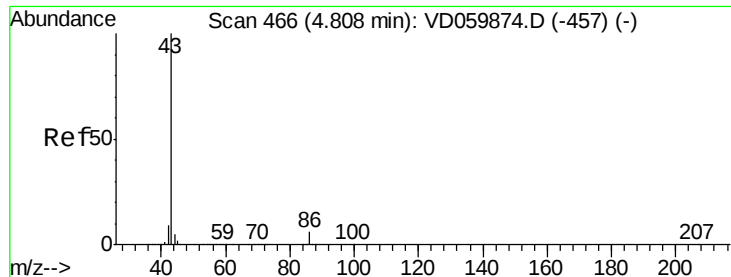
Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Tgt Ion:	45	Resp:	2396356
Ion	Ratio	Lower	Upper
45	100		
43	58.3	48.6	72.8
87	16.5	13.3	19.9
59	8.8	7.1	10.7





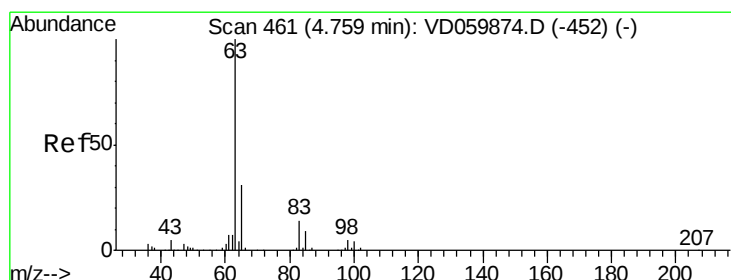
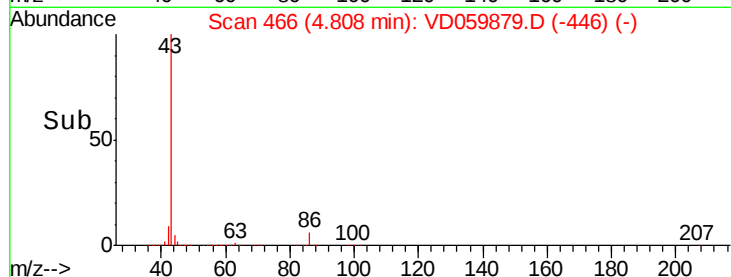
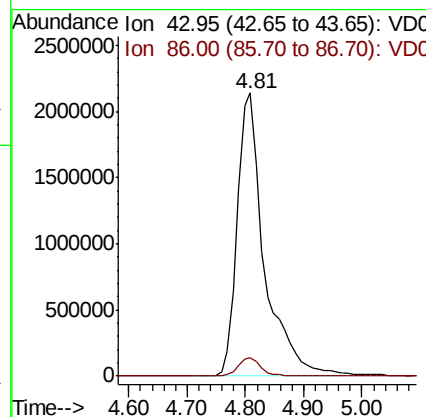
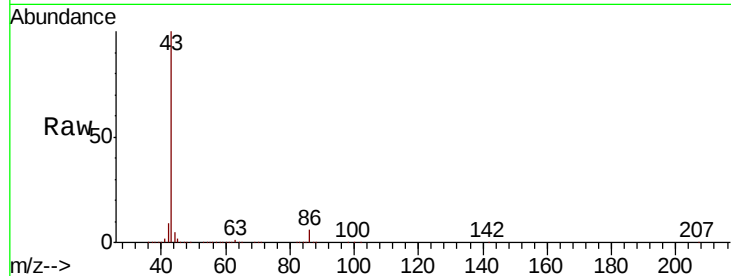
#23
 Vinyl Acetate
 Concen: 252.76 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD082218

Tot Ion: 43 Resp: 6919663
 Ion Ratio Lower Upper
 43 100
 86 6.4 5.0 7.6

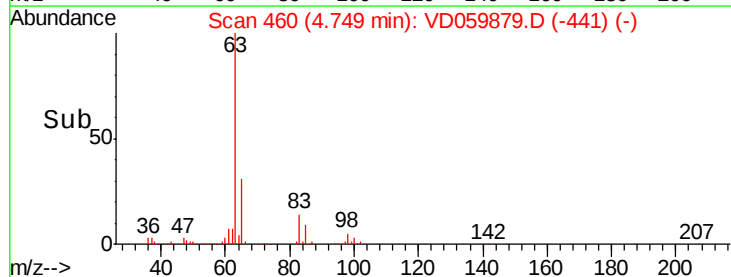
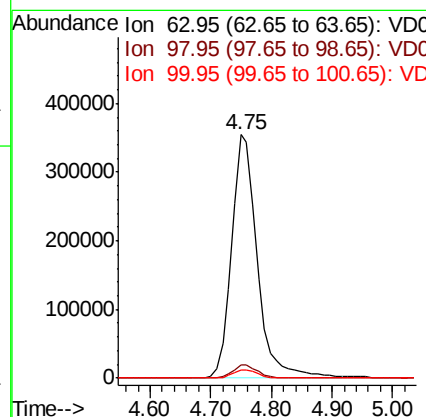
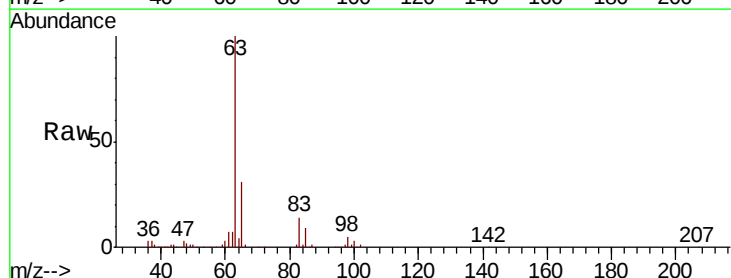
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#24
 1,1-Dichloroethane
 Concen: 49.23 ug/l
 RT: 4.75 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Tgt Ion: 63 Resp: 1041589
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.7 8.1
 100 3.4 1.8 5.3





#25

2-Butanone

Concen: 271.10 ug/l

RT: 5.62 min Scan# 549

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD082218

Tot Ion: 43 Resp: 1494328

Ion Ratio Lower Upper

43 100

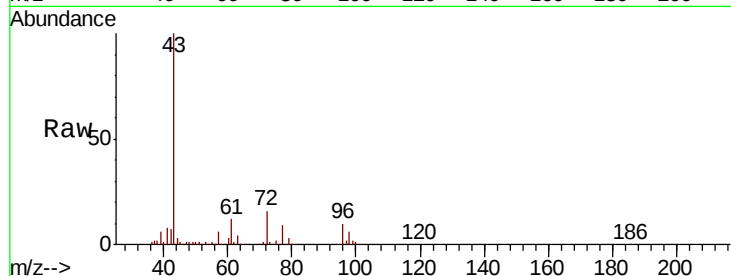
72 15.7 12.3 18.5

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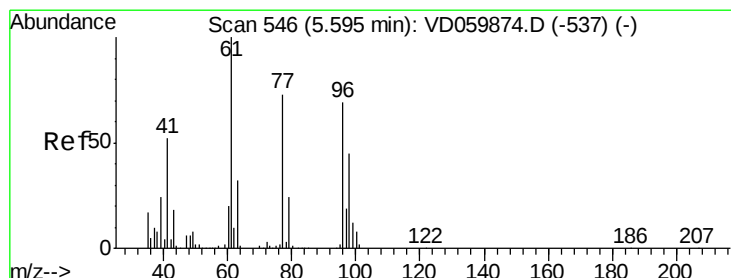
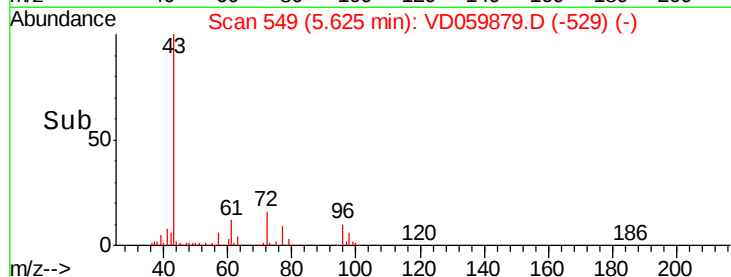
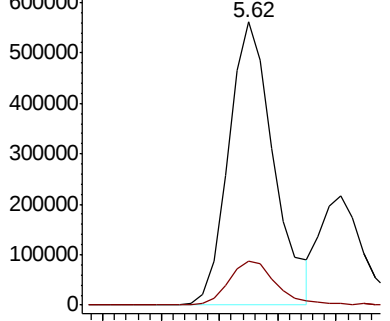
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.21 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD059879.D

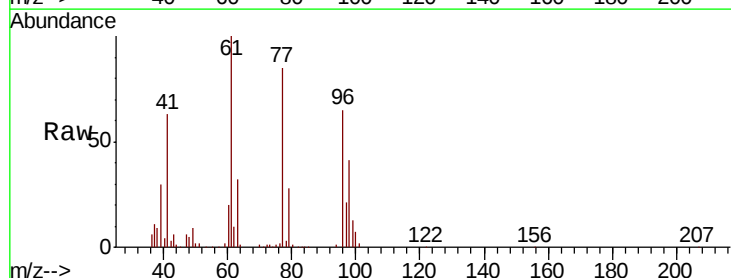
Acq: 22 Aug 2018 16:51

Tgt Ion: 77 Resp: 852630

Ion Ratio Lower Upper

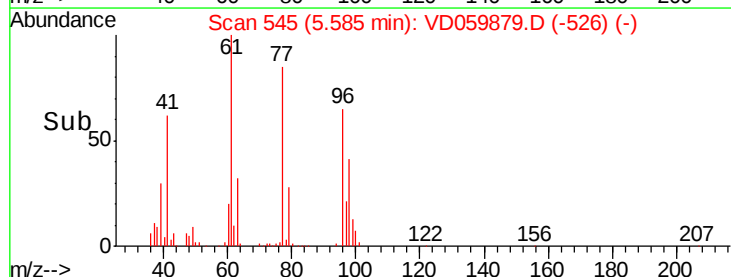
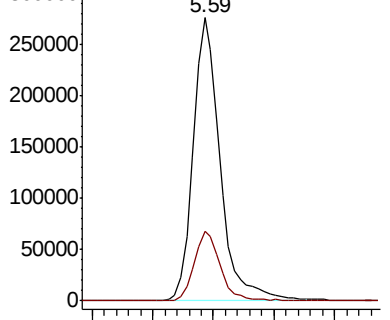
77 100

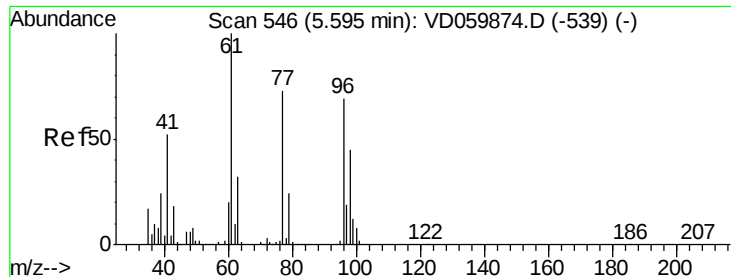
97 24.4 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

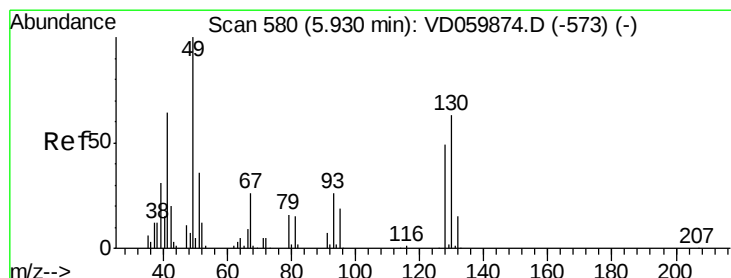
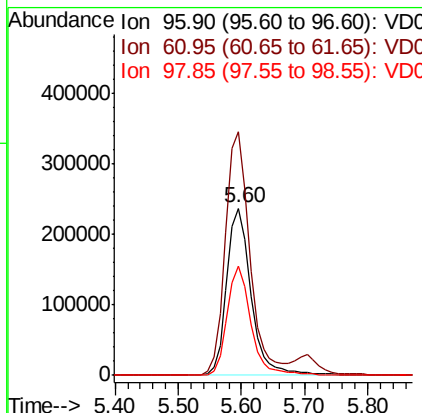
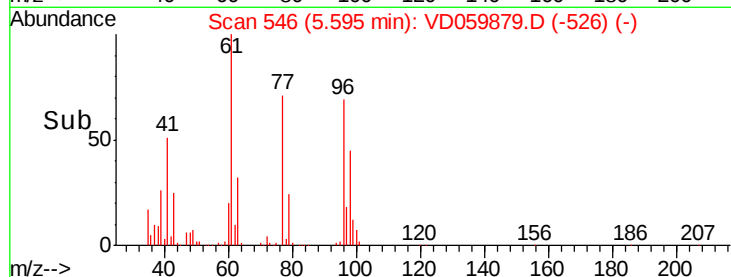
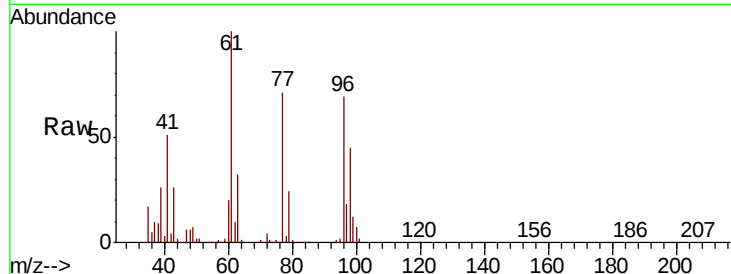
cis-1,2-Dichloroethene
Concen: 49.53 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ratio	Resp	Lower	Upper
96	100	634219		
61	145.6		0.0	290.2
98	65.0		0.0	130.4

Manual Integrations
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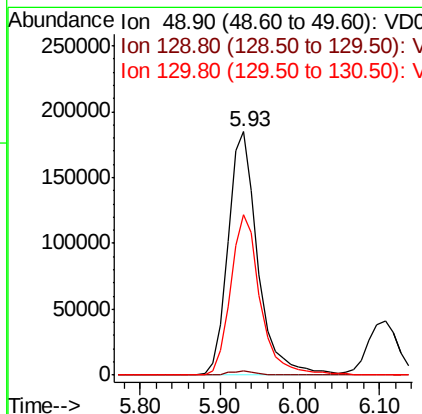
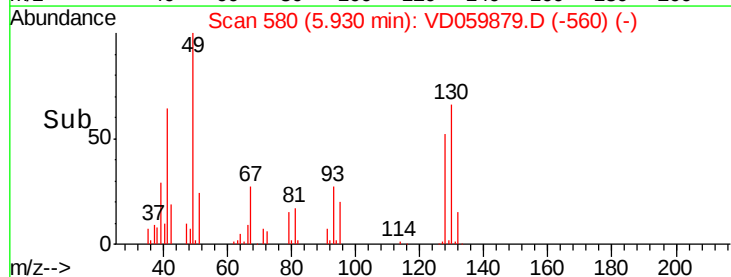
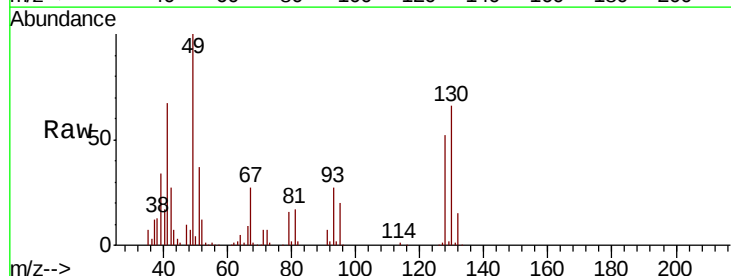
apatel
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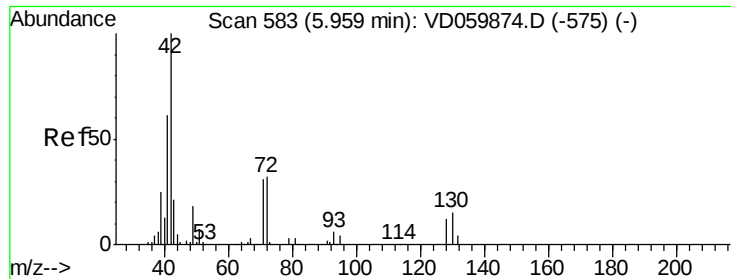


#28

Bromochloromethane
Concen: 47.52 ug/l
RT: 5.93 min Scan# 580
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	481811		
129	1.6		0.0	3.2
130	66.1		50.6	75.8





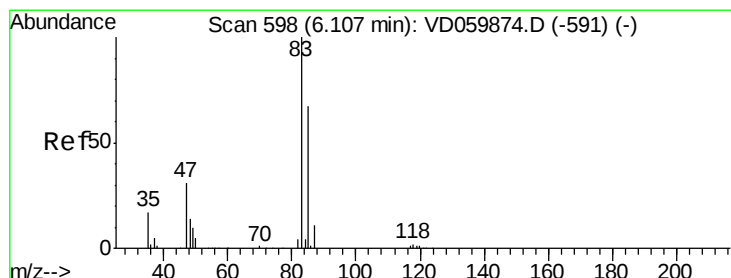
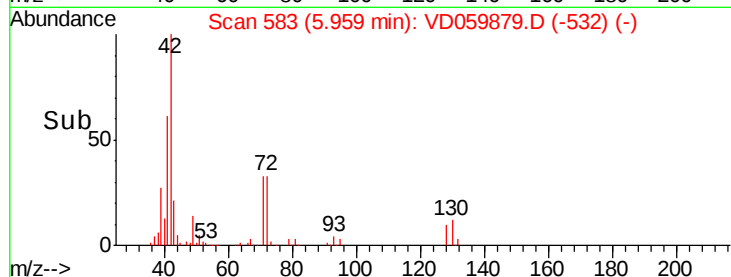
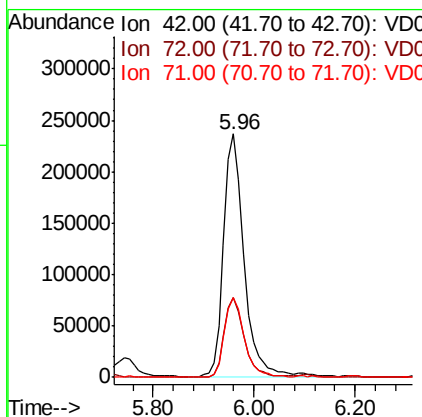
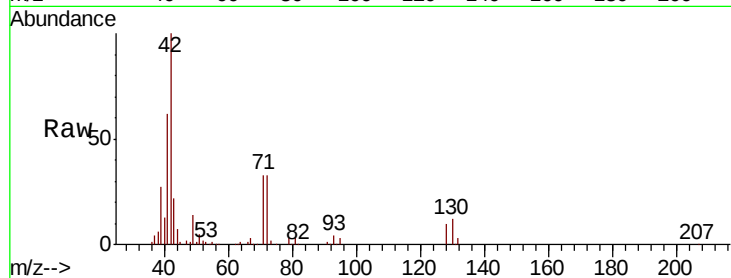
#29
Tetrahydrofuran
Concen: 254.71 ug/l
RT: 5.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.9	25.7	38.5
71	31.9	25.3	37.9

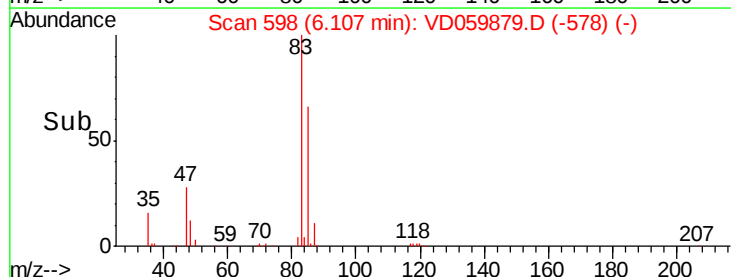
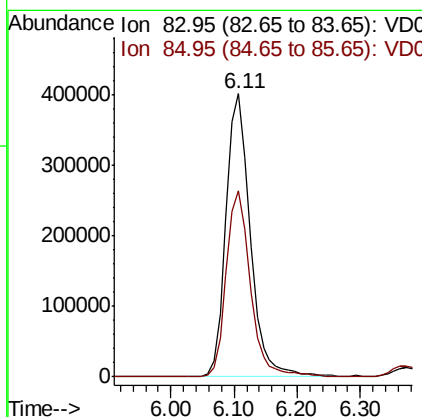
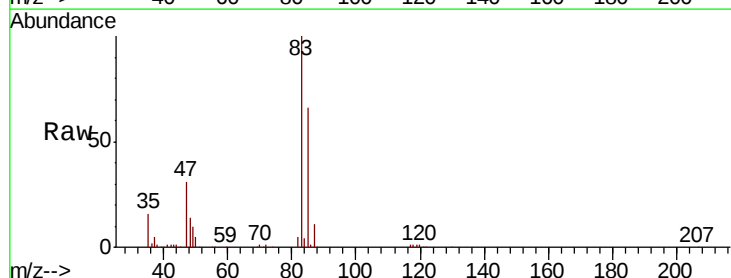
Manual Integrations
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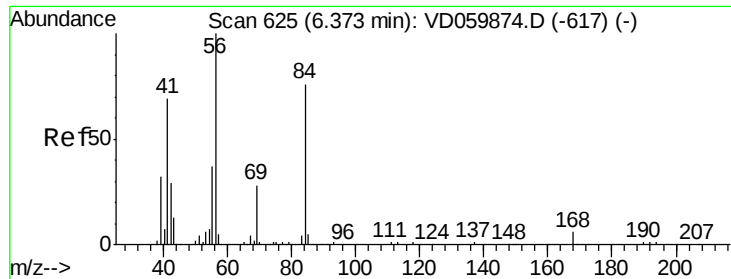
apatel
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#30
Chloroform
Concen: 49.75 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	53.5	80.3





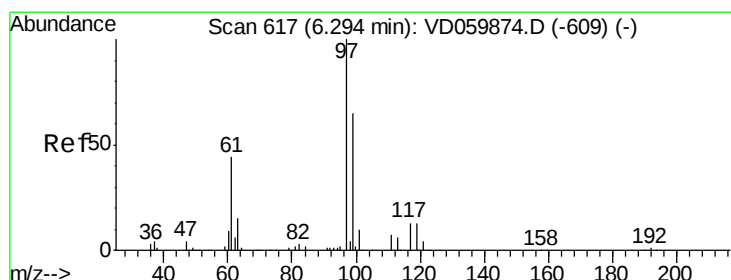
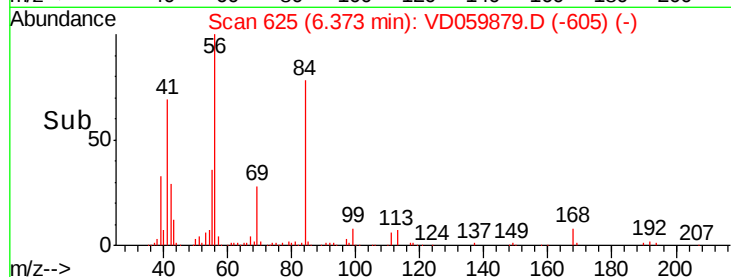
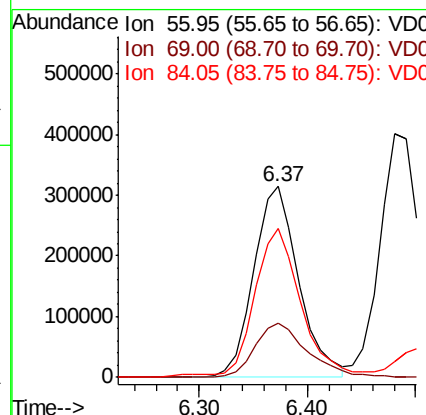
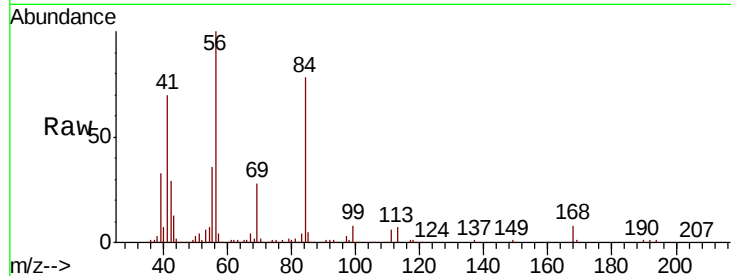
#31
Cyclohexane
Concen: 46.54 ug/l
RT: 6.37 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.4	33.6
84	78.0	62.1	93.1

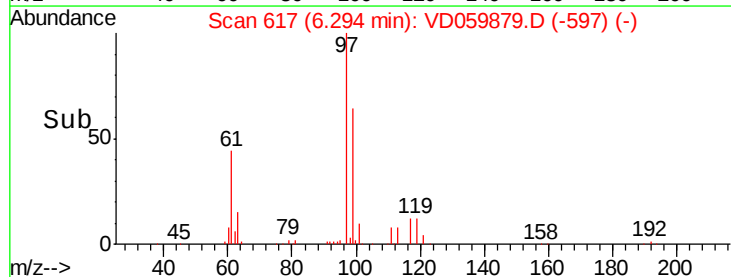
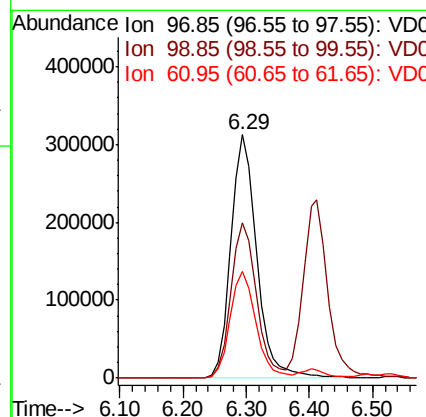
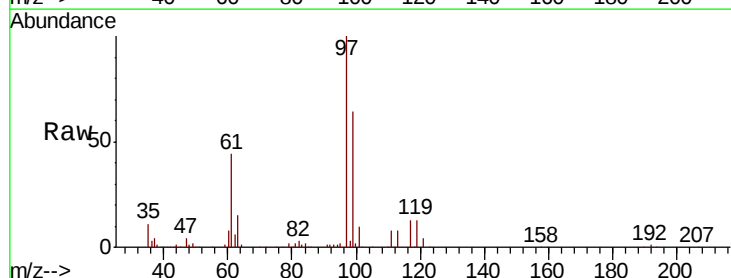
Manual Integrations
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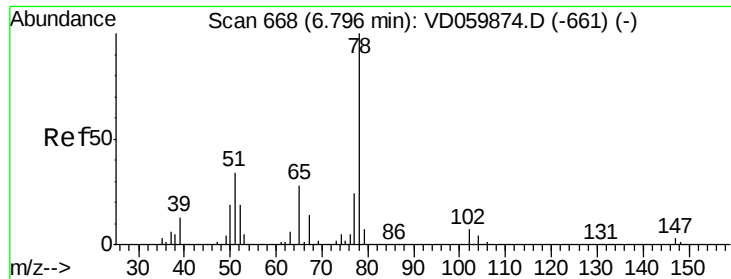
apatel
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#32
1,1,1-Trichloroethane
Concen: 48.52 ug/l
RT: 6.29 min Scan# 617
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	43.7	35.4	53.2





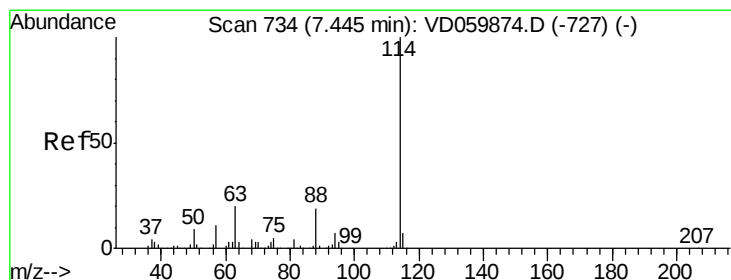
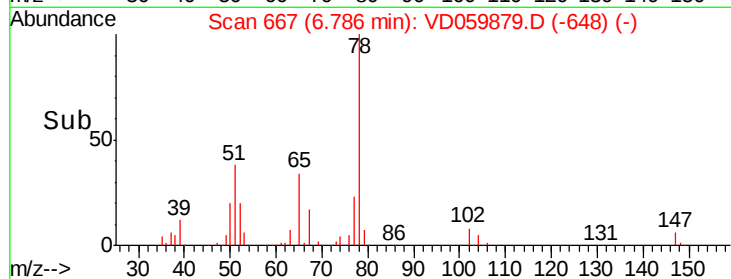
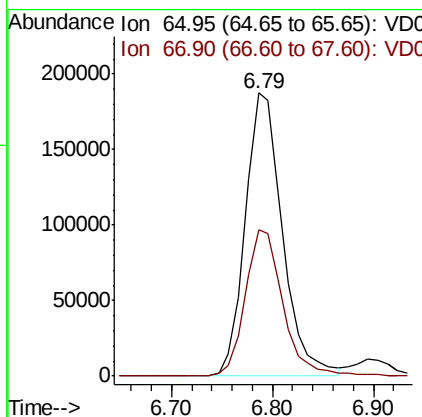
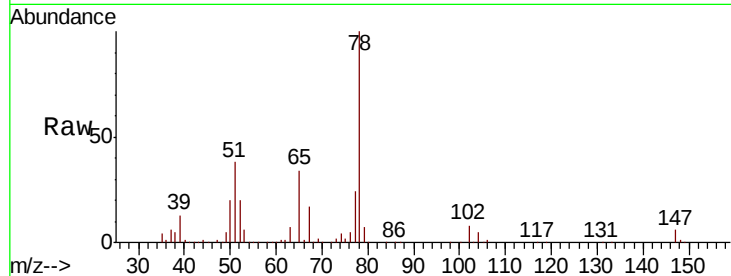
#33
 1,2-Dichloroethane-d4
 Concen: 48.52 ug/l
 RT: 6.79 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD082218

Tot Ion	Ratio	Resp	Lower	Upper
65	100	481884		
67	51.6	0.0	103.8	

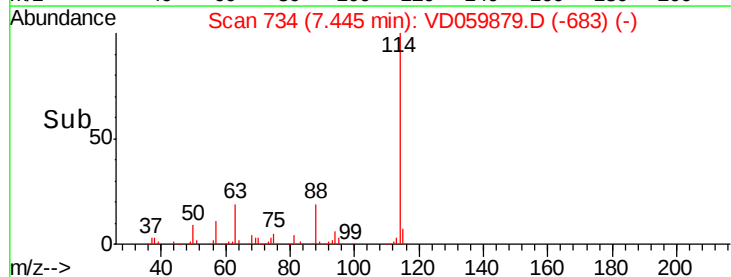
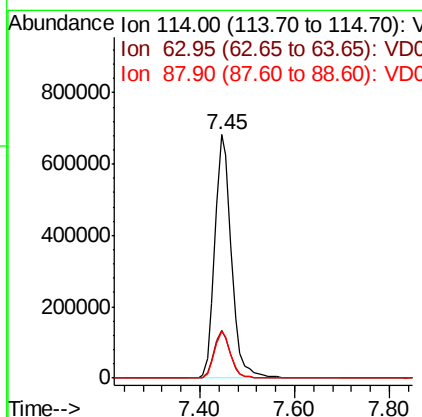
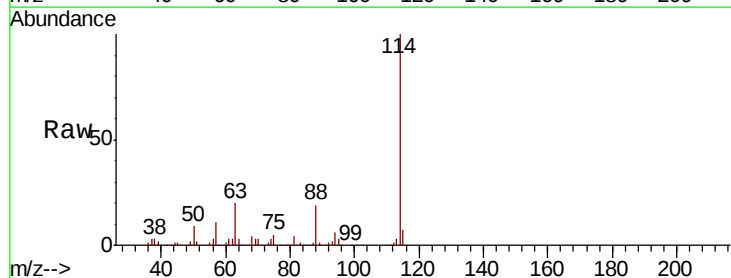
Manual Integrations
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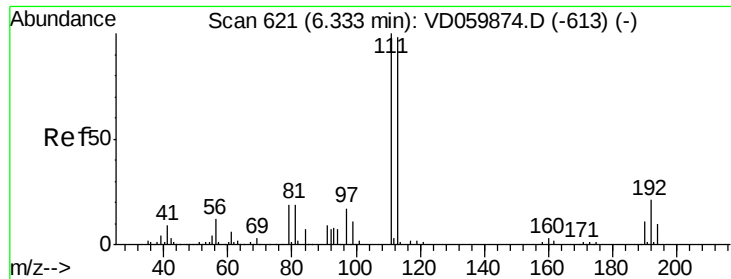
apatel
 8/23/2018 10:53:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1651743		
63	19.7	0.0	39.4	
88	19.2	0.0	37.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.32 min Scan# 620

Delta R.T. -0.01 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

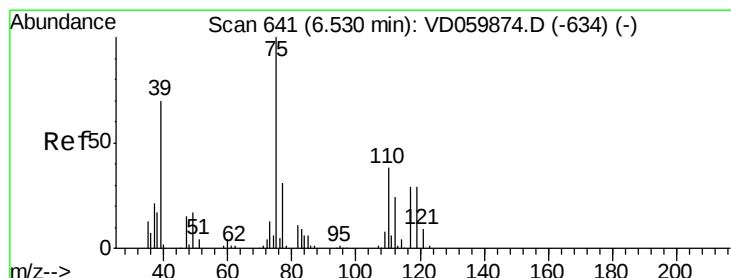
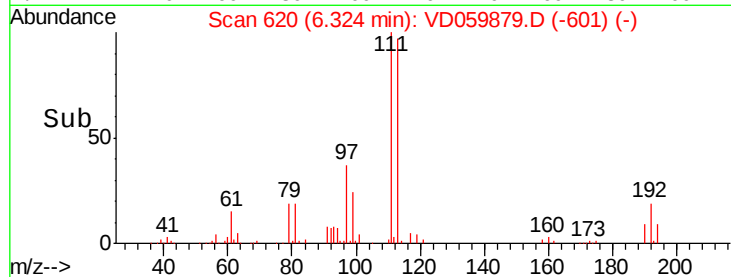
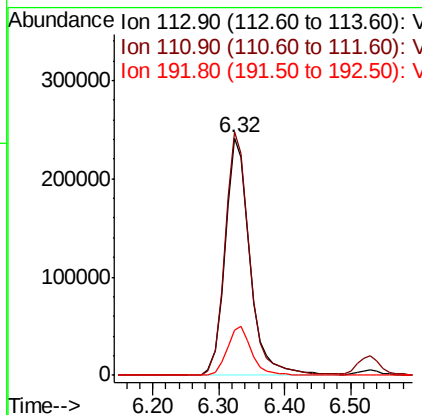
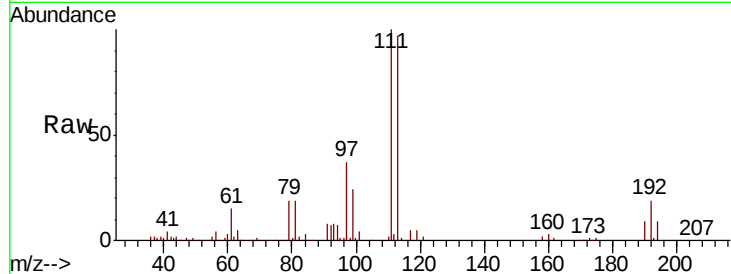
ClientSampleId :

ICVVD082218

Tot Ion:	113	Resp:	633589
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.4	122.2
192	19.1	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.46 ug/l

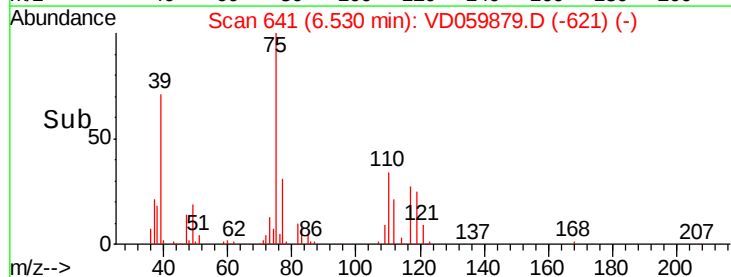
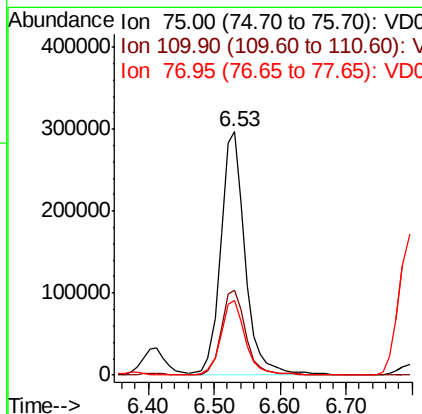
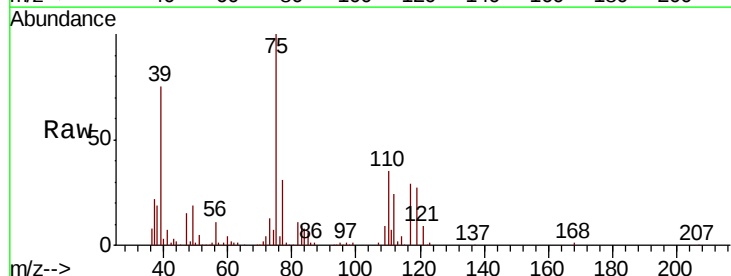
RT: 6.53 min Scan# 641

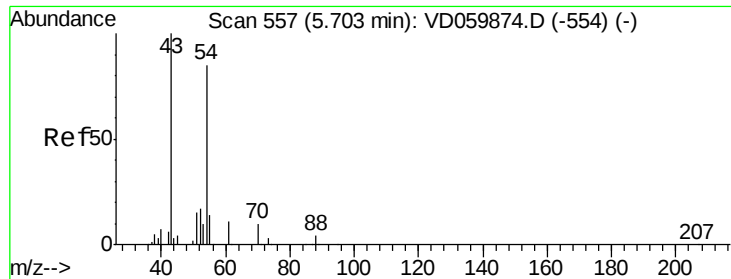
Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Tgt Ion:	75	Resp:	755505
Ion Ratio	Lower	Upper	
75	100		
110	35.1	18.6	56.0
77	30.8	25.1	37.7





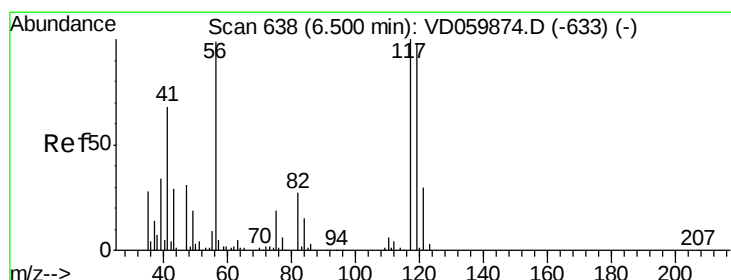
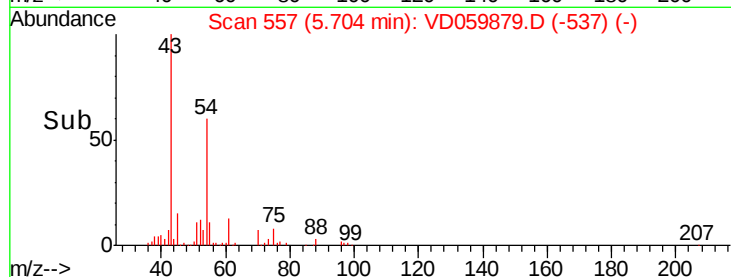
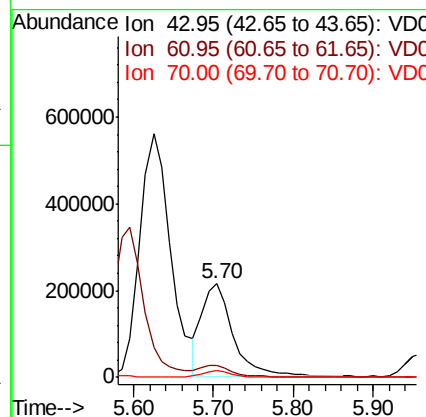
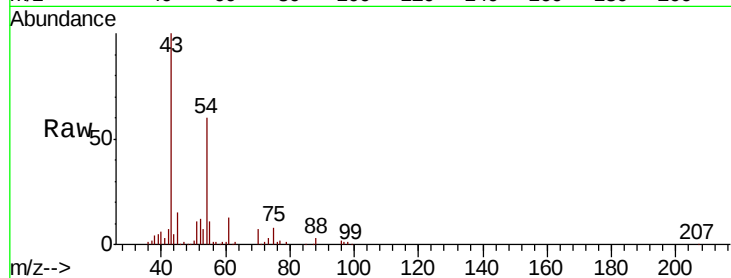
#37
Ethyl Acetate
Concen: 49.44 ug/l
RT: 5.70 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.6
70	7.3	5.7	8.5

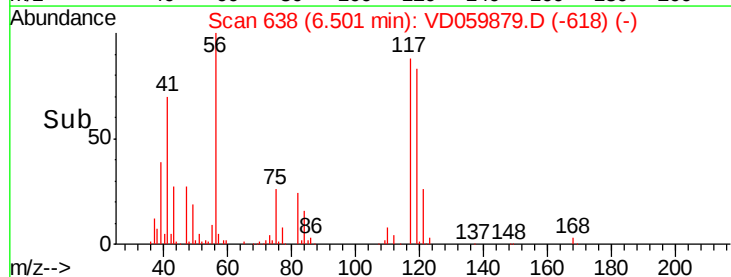
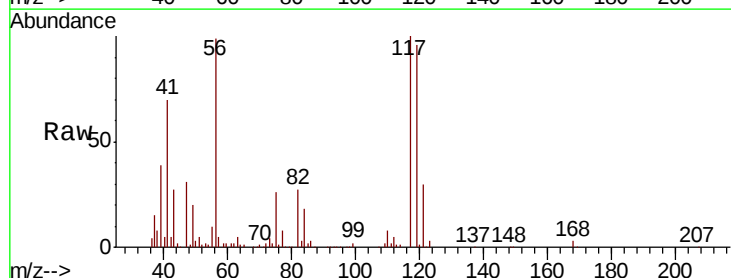
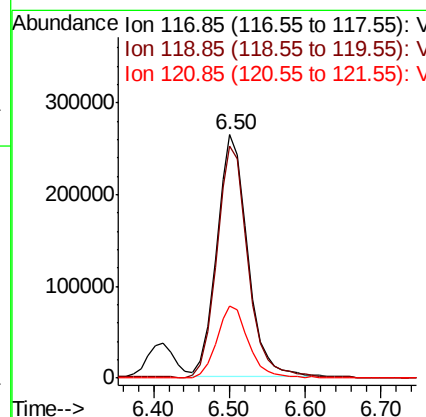
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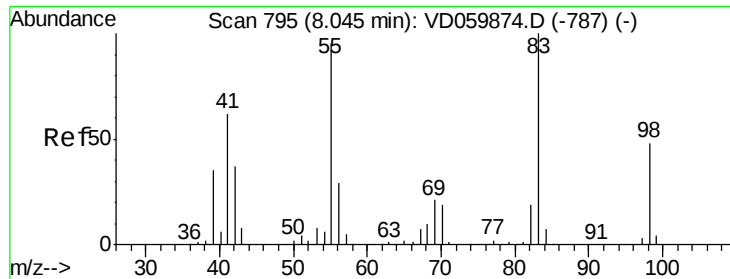
apatel
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#38
Carbon Tetrachloride
Concen: 49.60 ug/l
RT: 6.50 min Scan# 638
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.2	115.8
121	29.9	24.0	36.0





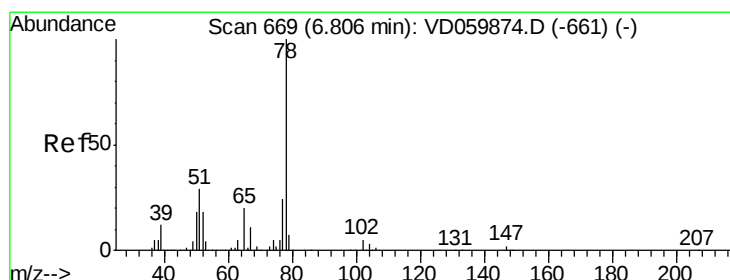
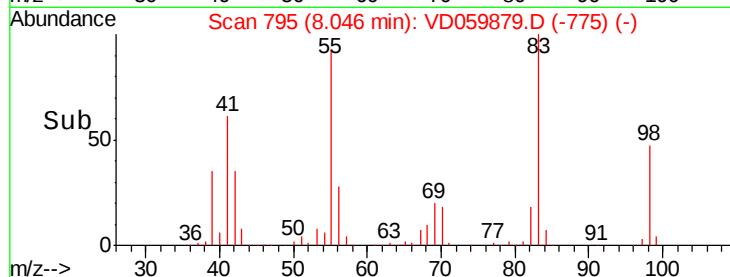
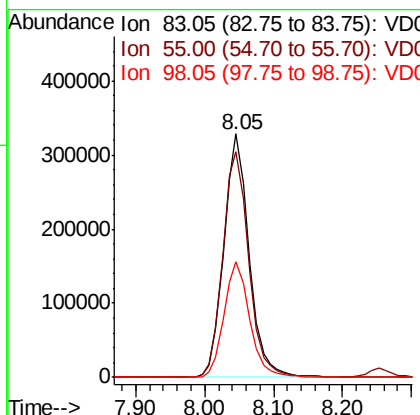
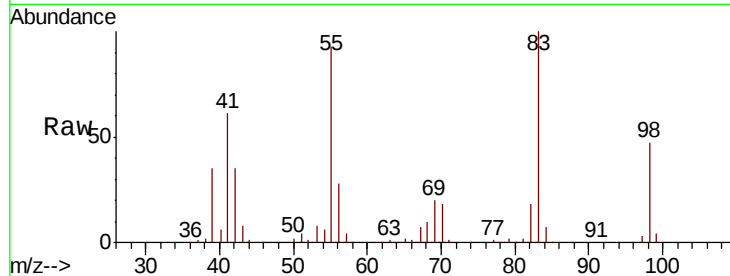
#39
Methvlcvclohexane
Concen: 51.41 ug/l
RT: 8.05 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.6	75.8	113.6
98	47.5	38.3	57.5

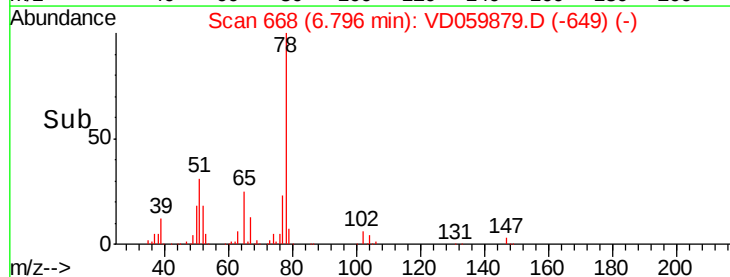
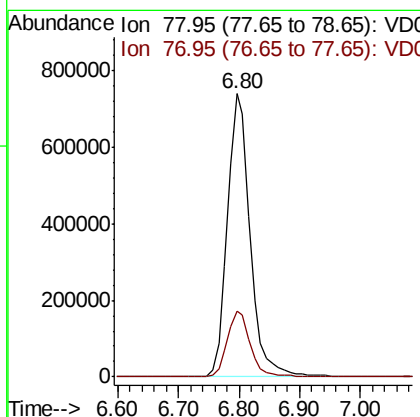
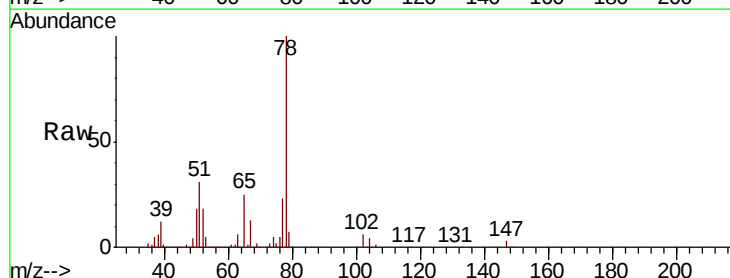
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#40
Benzene
Concen: 49.51 ug/l
RT: 6.80 min Scan# 668
Delta R.T. -0.01 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





#41

Methacrylonitrile

Concen: 55.79 ug/l m

RT: 5.94 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD082218

Tot Ion: 41 Resp: 327447

Ion Ratio Lower Upper

41 100

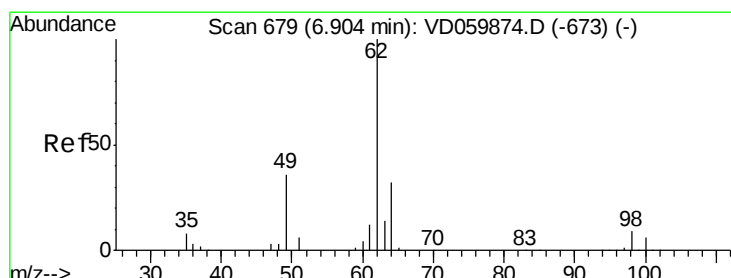
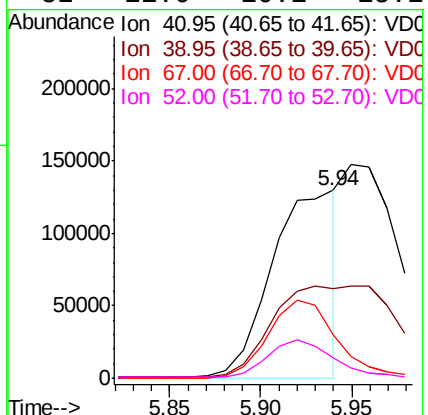
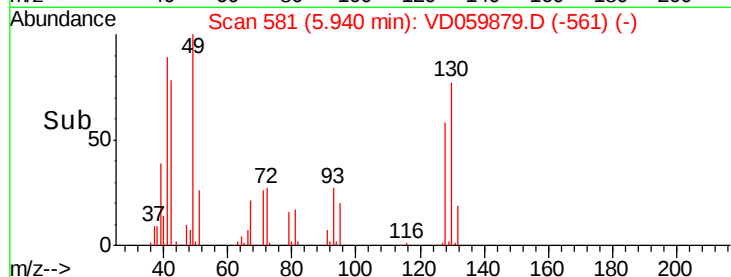
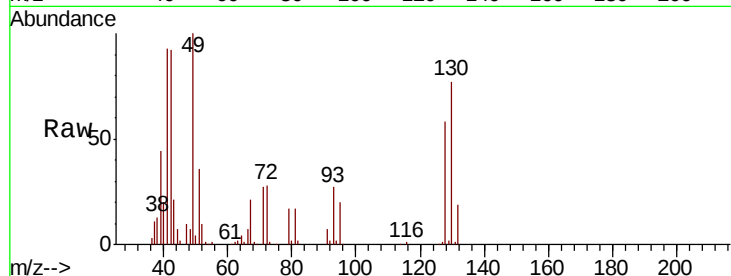
39 47.5 39.4 59.2

67 23.0 22.2 33.2

52 11.0 10.1 15.1

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#42

1,2-Dichloroethane

Concen: 50.52 ug/l

RT: 6.90 min Scan# 679

Delta R.T. 0.00 min

Lab File: VD059879.D

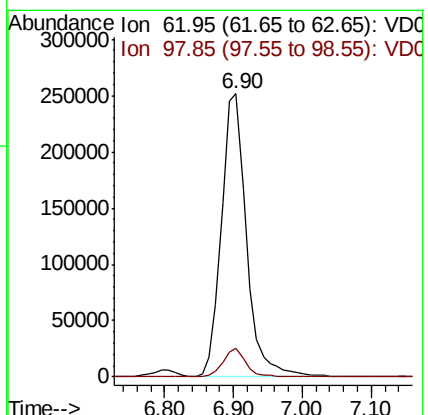
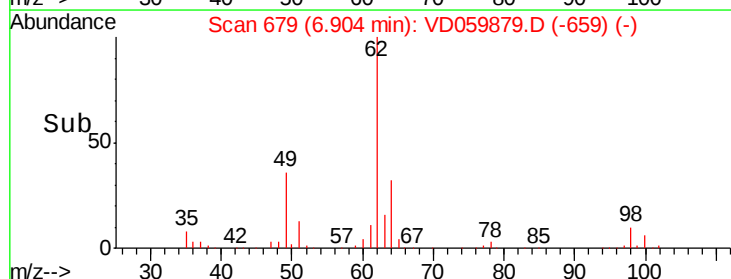
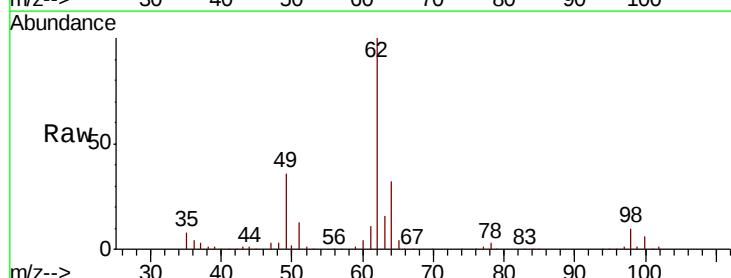
Acq: 22 Aug 2018 16:51

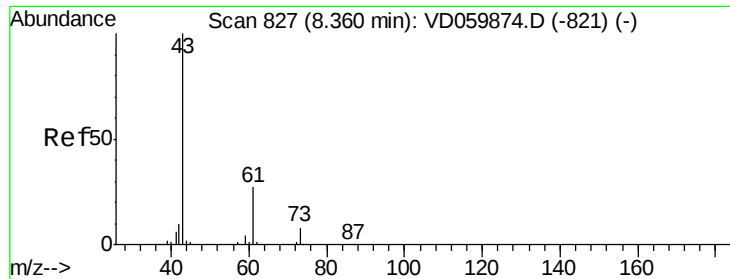
Tgt Ion: 62 Resp: 631404

Ion Ratio Lower Upper

62 100

98 10.1 0.0 18.4





#43

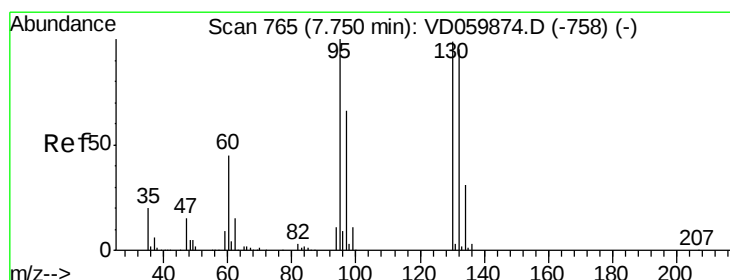
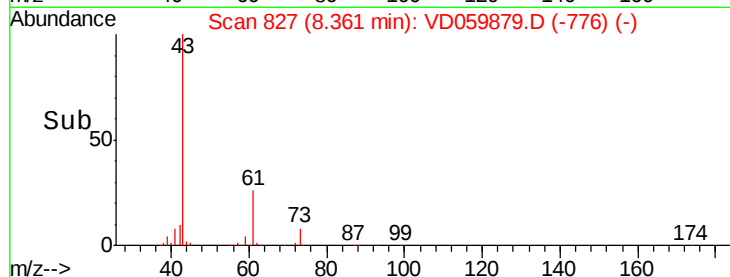
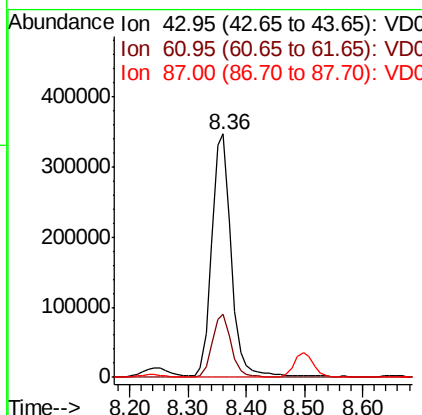
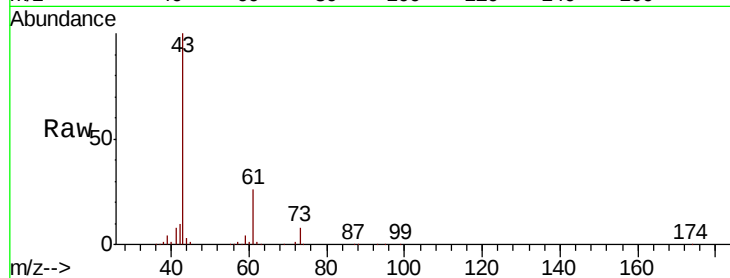
Isopropyl Acetate
 Concen: 52.19 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD082218

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	21.4	32.2
87	0.3	0.2	0.4

Manual Integrations
 APPROVED

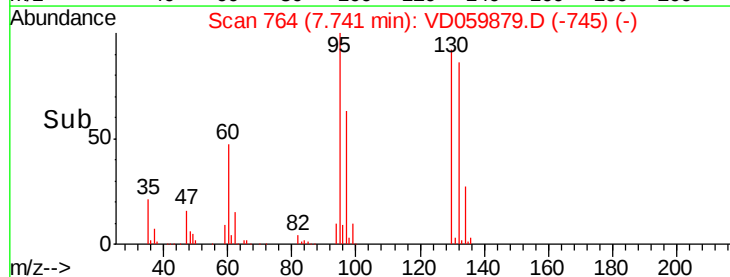
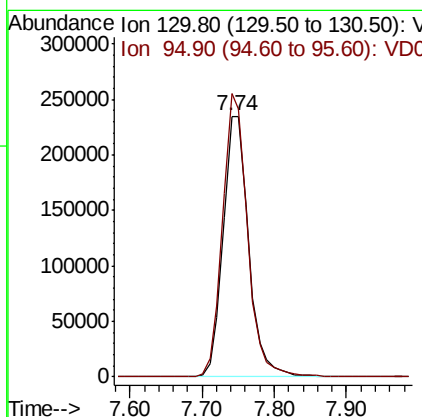
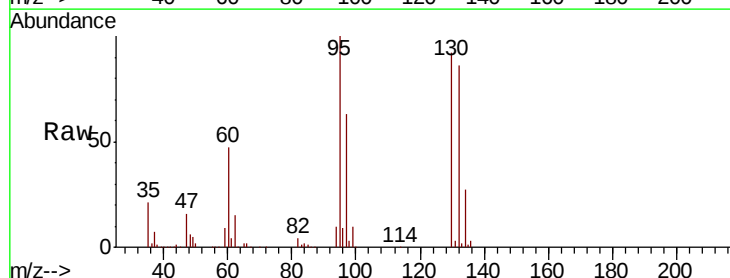
apatel
 8/23/2018 10:53:19 AM

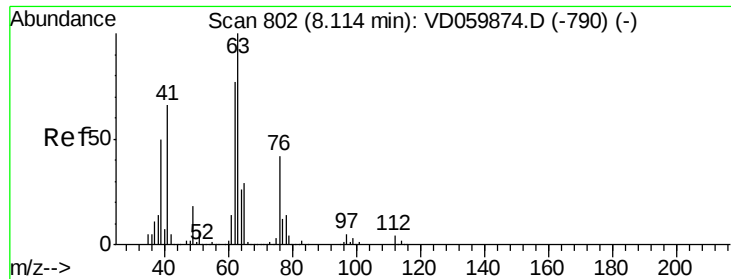


#44

Trichloroethene
 Concen: 50.36 ug/l
 RT: 7.74 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	202.0





#45

1,2-Dichloropropane

Concen: 49.62 ug/l

RT: 8.10 min Scan# 801

Delta R.T. -0.01 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD082218

Tot Ion: 63 Resp: 540033

Ion Ratio Lower Upper

63 100

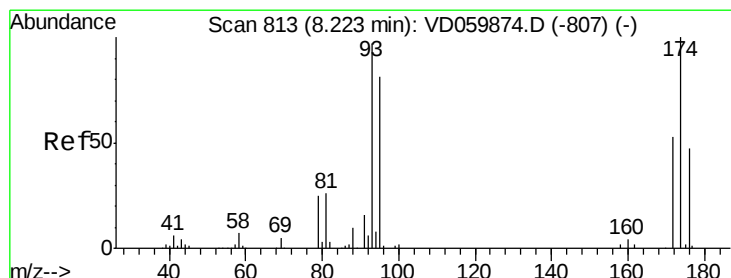
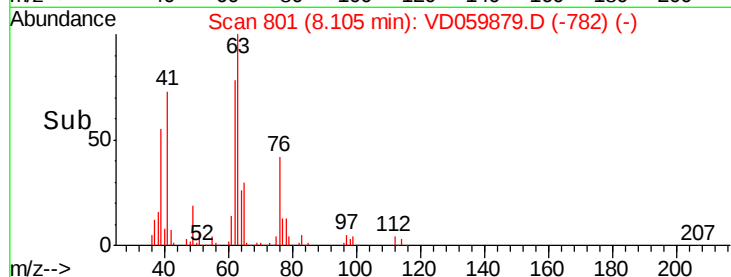
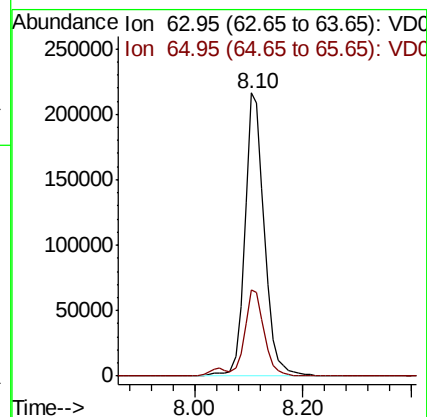
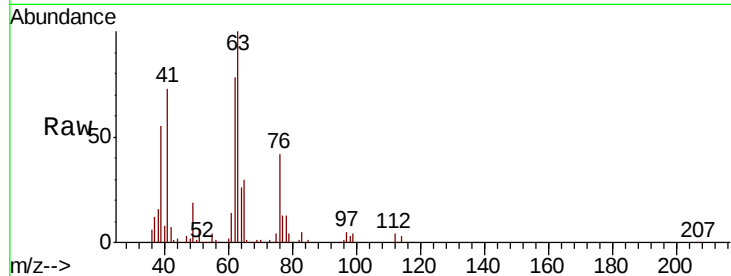
65 30.3 23.5 35.3

Manual Integrations

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#46

Dibromomethane

Concen: 50.72 ug/l

RT: 8.22 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

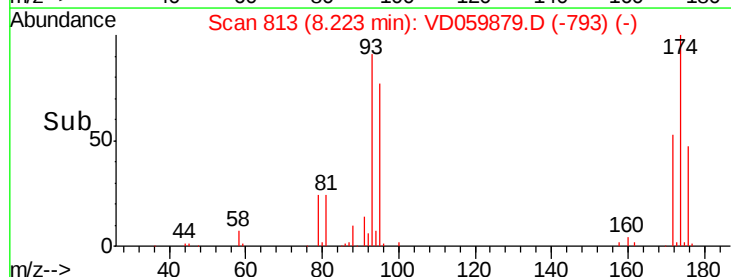
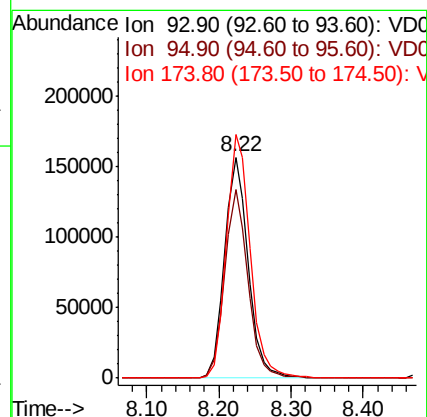
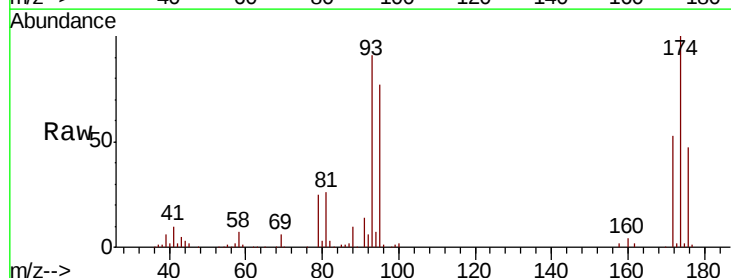
Tgt Ion: 93 Resp: 354906

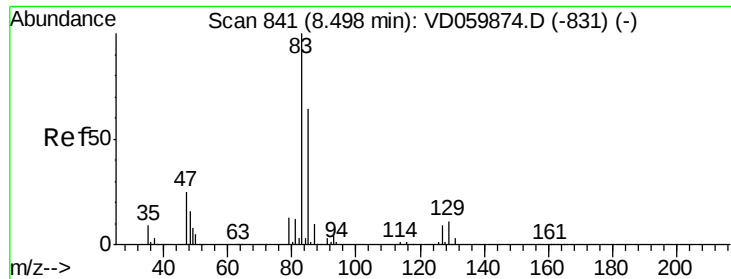
Ion Ratio Lower Upper

93 100

95 85.3 66.6 100.0

174 110.2 82.4 123.6





#47

Bromodichloromethane

Concen: 49.84 ug/l

RT: 8.50 min Scan# 841

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

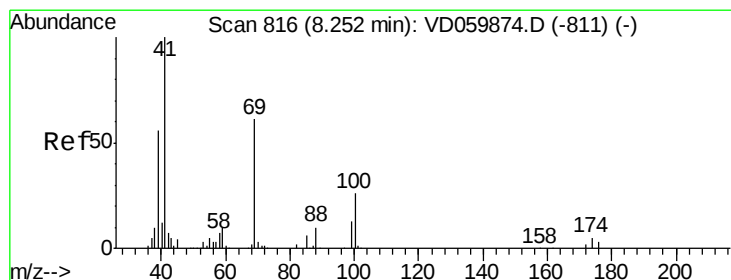
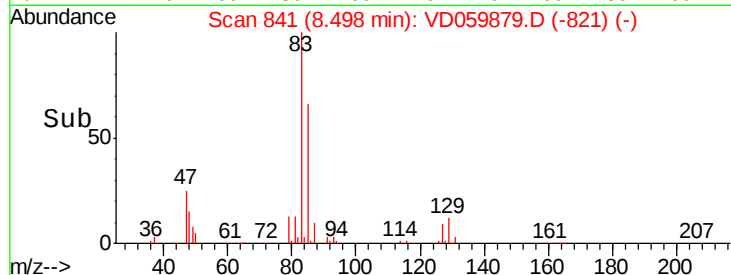
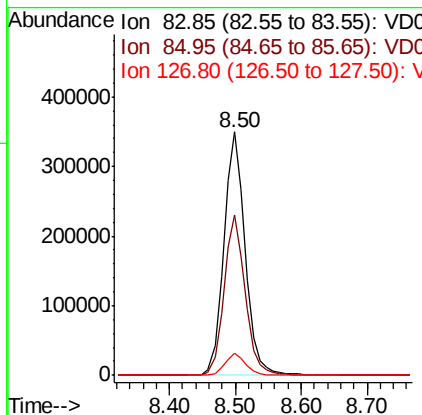
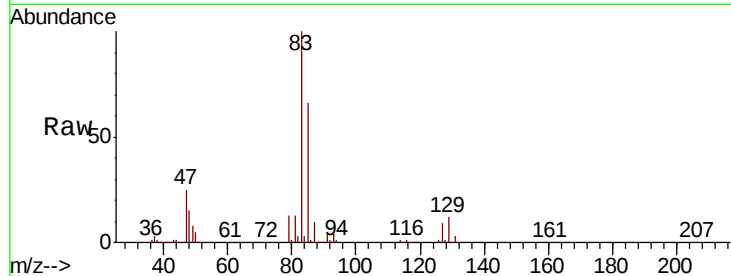
ClientSampleId :

ICVVD082218

Tot Ion:	83	Resp:	789474
Ion Ratio	Lower	Upper	
83	100		
85	65.9	51.3	76.9
127	9.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.16 ug/l

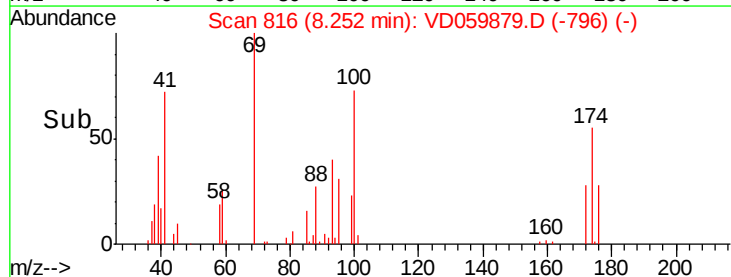
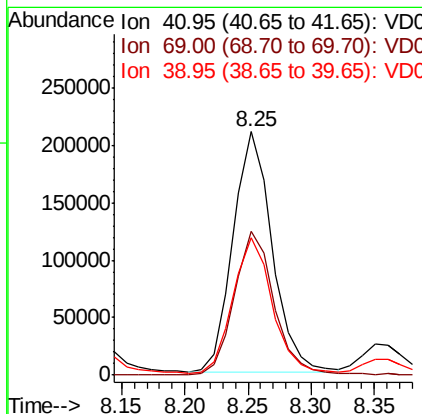
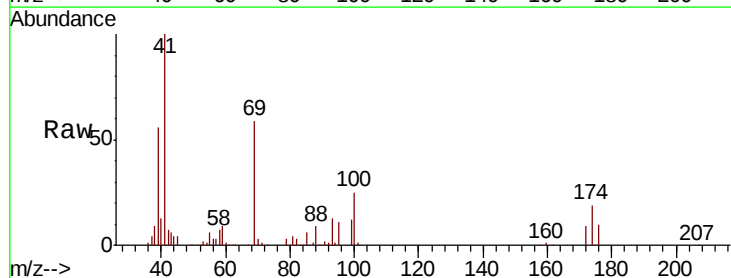
RT: 8.25 min Scan# 816

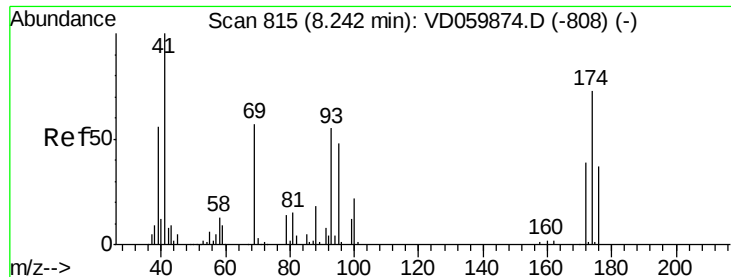
Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Tgt Ion:	41	Resp:	452022
Ion Ratio	Lower	Upper	
41	100		
69	58.9	48.0	72.0
39	56.3	45.4	68.0





#49

1,4-Dioxane

Concen: 1047.99 ug/l

RT: 8.23 min Scan# 814

Delta R.T. -0.01 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

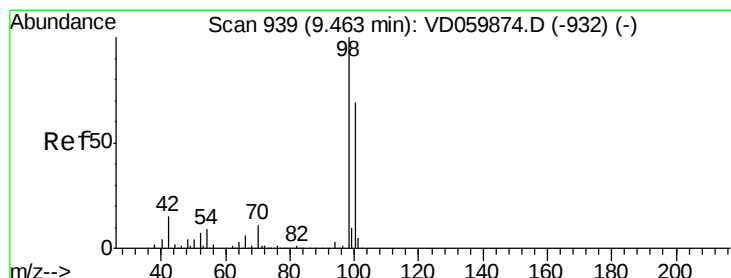
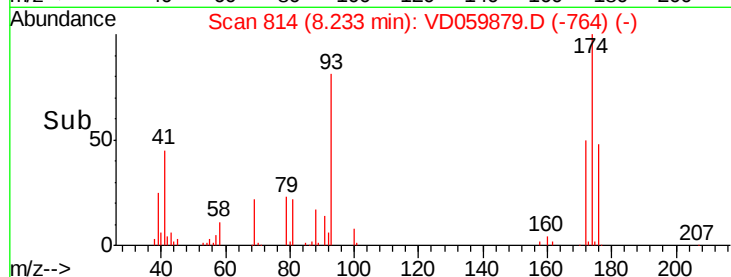
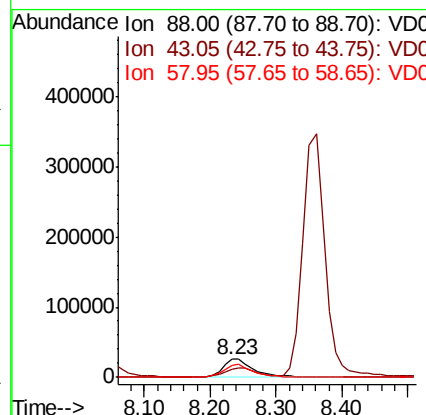
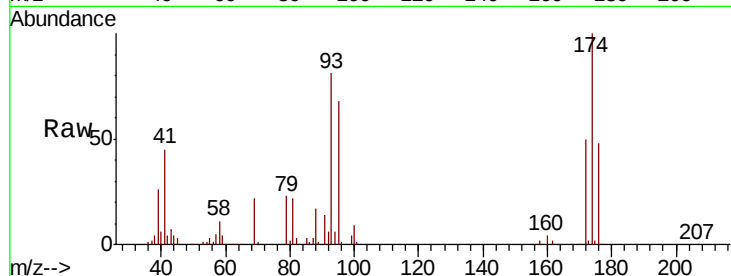
ClientSampleId :

ICVVD082218

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.3	45.0	67.6#
58	65.2	55.8	83.8

Manual Integrations
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#50

Toluene-d8

Concen: 1047.99 ug/l

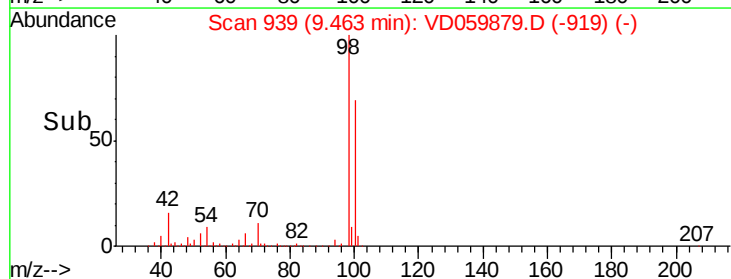
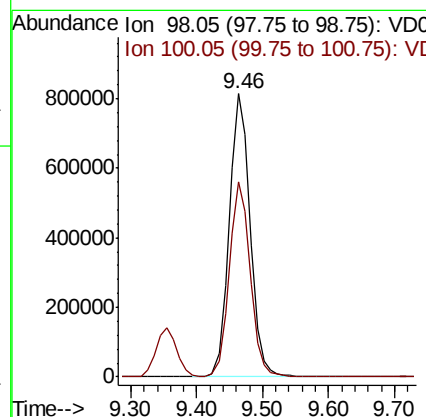
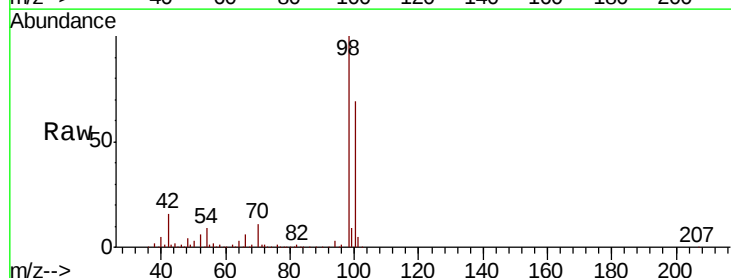
RT: 9.46 min Scan# 939

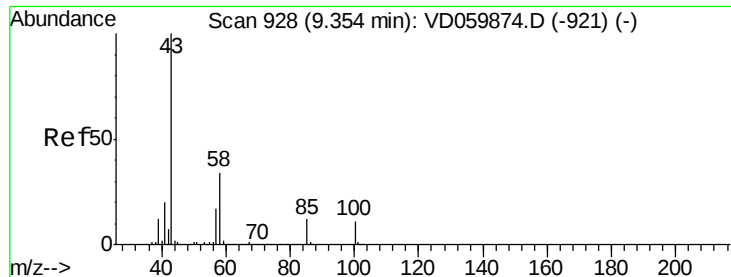
Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.1	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 280.26 ug/l

RT: 9.35 min Scan# 928

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD082218

Tot Ion: 43 Resp: 3167148

Ion Ratio Lower Upper

43 100

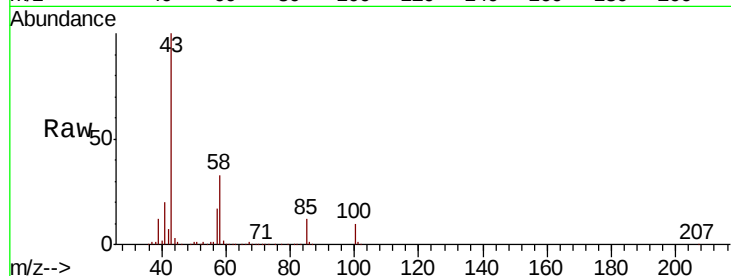
58 33.2 27.0 40.4

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500000

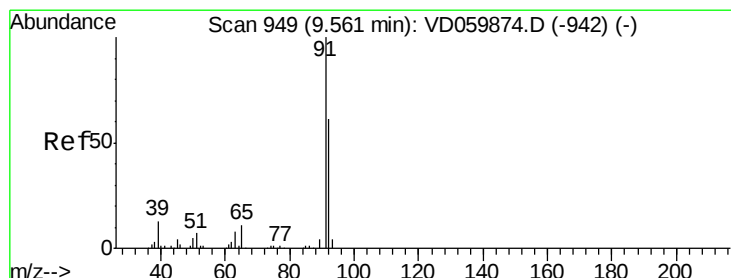
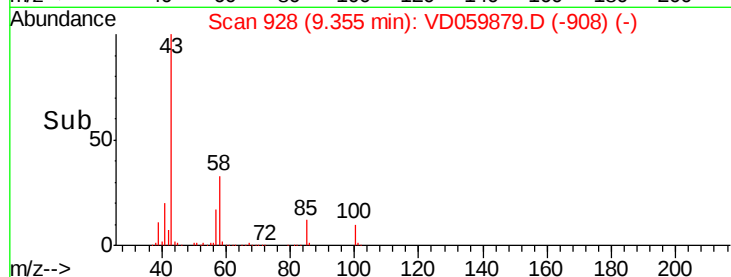
1000000

500000

0

9.20 9.30 9.40 9.50 9.60

Time-->



#52

Toluene

Concen: 50.85 ug/l

RT: 9.56 min Scan# 949

Delta R.T. 0.00 min

Lab File: VD059879.D

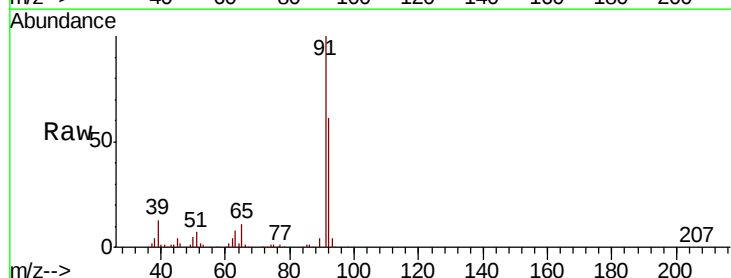
Acq: 22 Aug 2018 16:51

Tgt Ion: 92 Resp: 1269545

Ion Ratio Lower Upper

92 100

91 164.2 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1000000

800000

600000

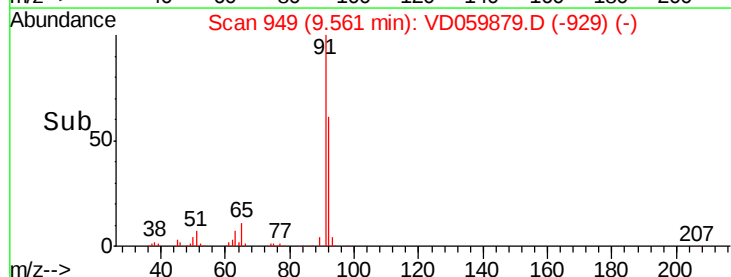
400000

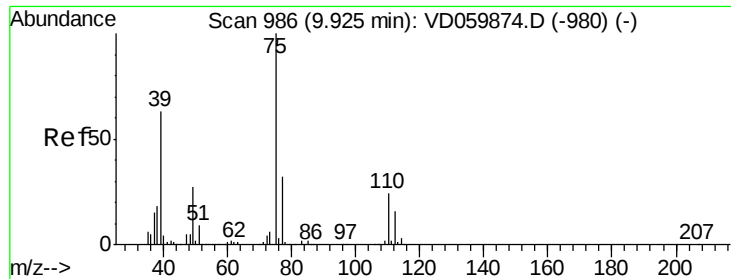
200000

0

9.40 9.50 9.60 9.70 9.80

Time-->





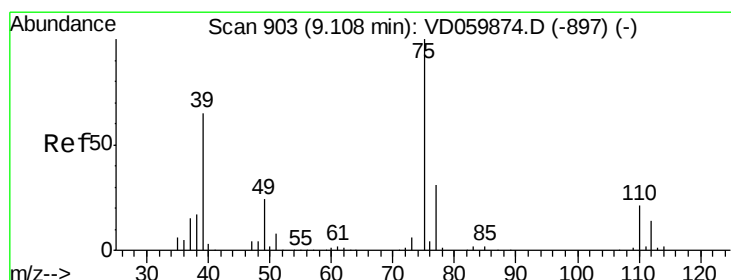
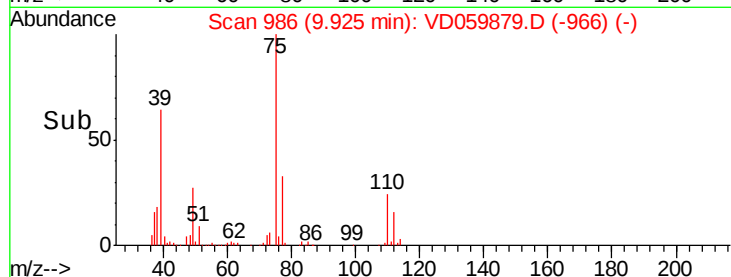
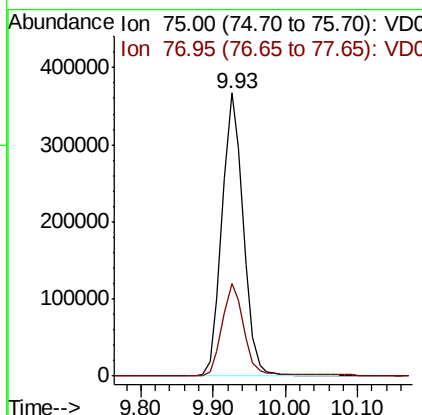
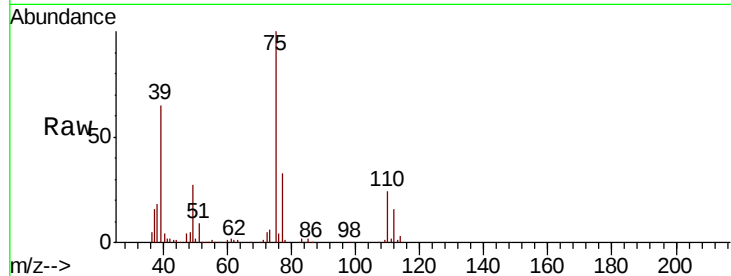
#53
 t-1,3-Dichloropropene
 Concen: 51.09 ug/l
 RT: 9.93 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD082218

Tot Ion: 75 Resp: 748602
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.2

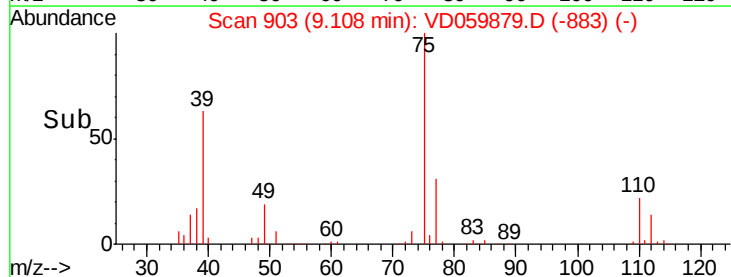
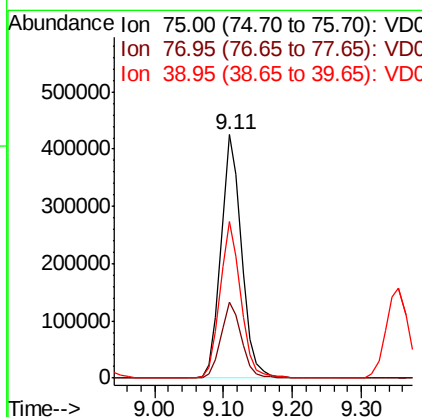
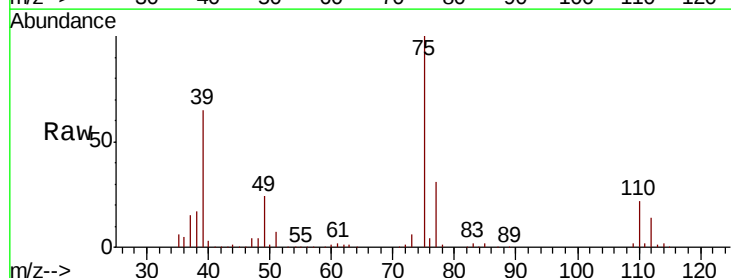
Manual Integrations
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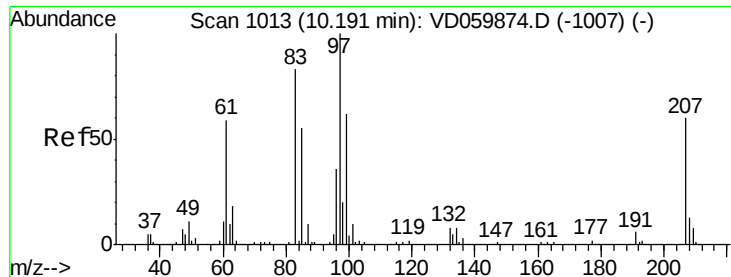
apatel
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#54
 cis-1,3-Dichloropropene
 Concen: 51.89 ug/l
 RT: 9.11 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Tgt Ion: 75 Resp: 881523
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.8 37.2
 39 64.5 52.1 78.1





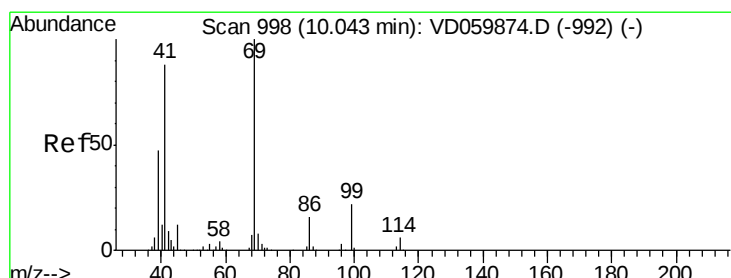
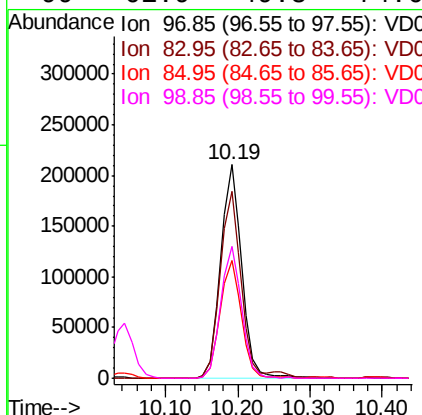
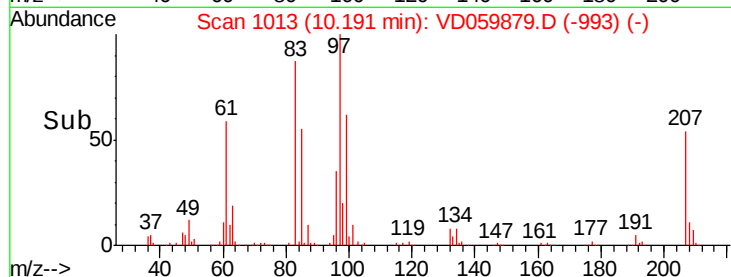
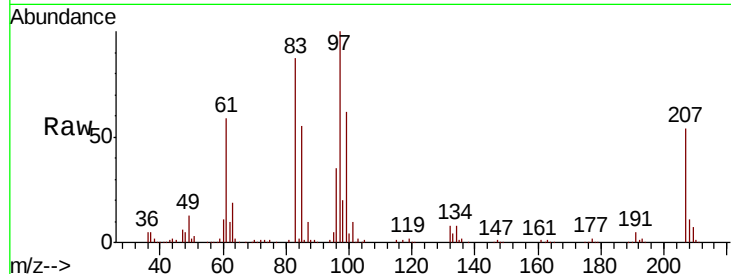
#55
 1,1,2-Trichloroethane
 Concen: 46.27 ug/l
 RT: 10.19 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD082218

Tot Ion:	97	Resp:	422281
Ion	Ratio	Lower	Upper
97	100		
83	87.3	66.7	100.1
85	55.1	43.8	65.6
99	61.9	49.8	74.6

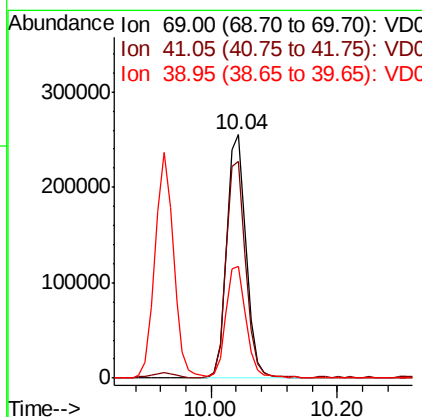
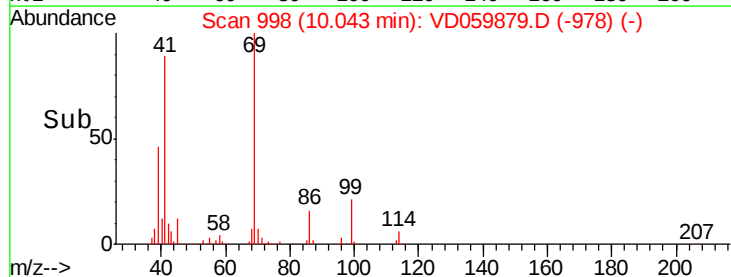
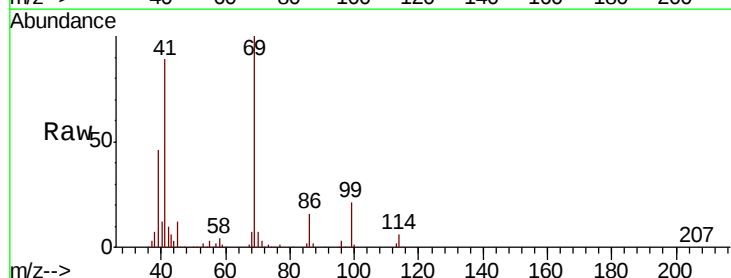
Manual Integrations
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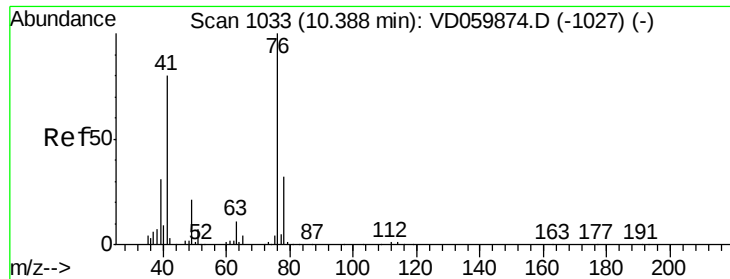
apatel
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#56
 Ethyl methacrylate
 Concen: 50.98 ug/l
 RT: 10.04 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Tgt Ion:	69	Resp:	536863
Ion	Ratio	Lower	Upper
69	100		
41	89.1	71.0	106.4
39	46.1	38.5	57.7





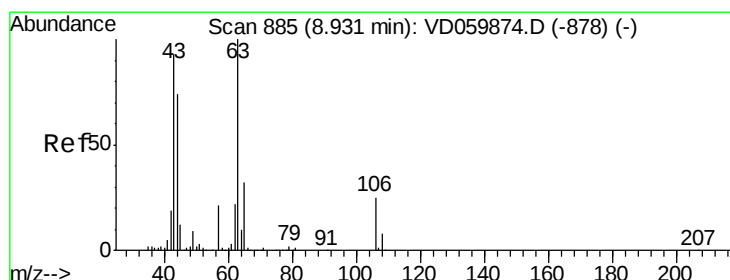
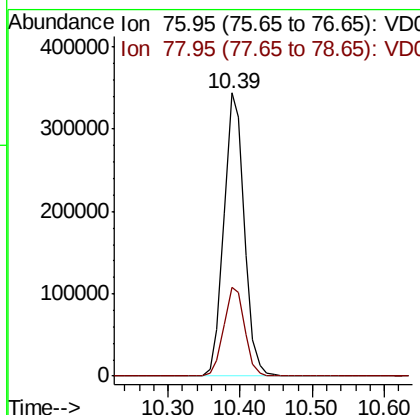
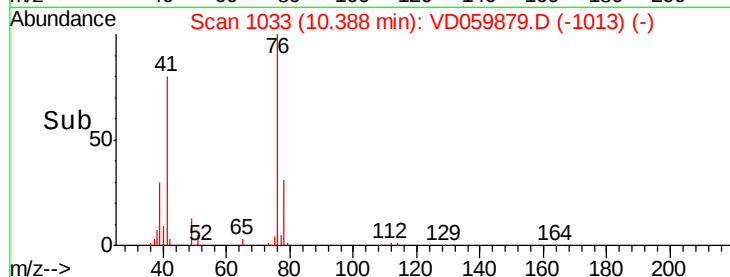
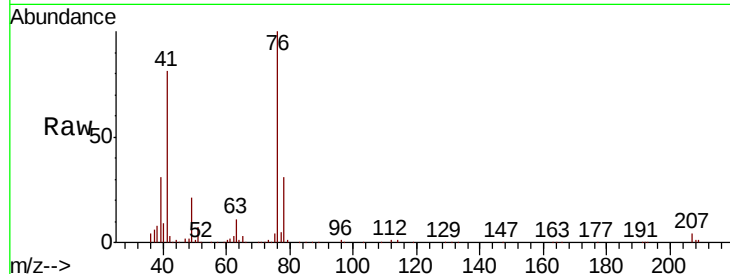
#57
 1,3-Dichloropropane
 Concen: 50.94 ug/l
 RT: 10.39 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD082218

Tot Ion: 76 Resp: 672767
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.8 38.6

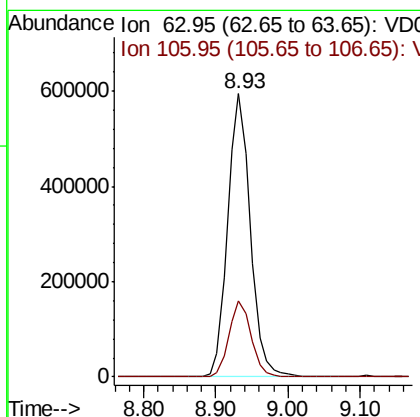
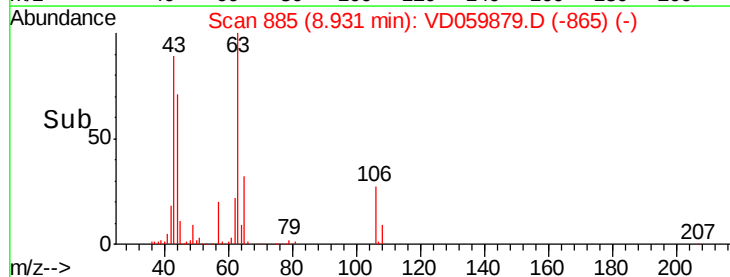
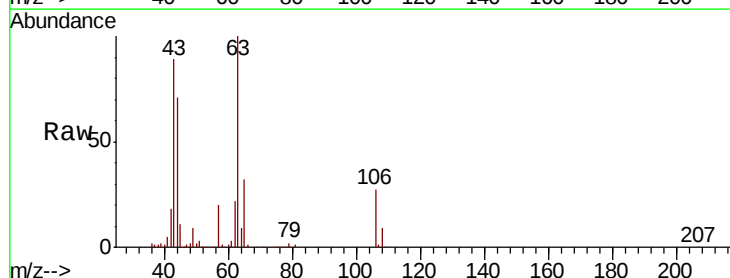
Manual Integrations
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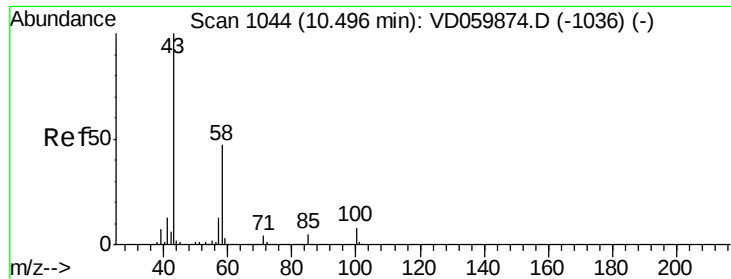
apatel
 8/23/2018 10:53:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.79 ug/l
 RT: 8.93 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Tgt Ion: 63 Resp: 1297402
 Ion Ratio Lower Upper
 63 100
 106 26.6 20.1 30.1





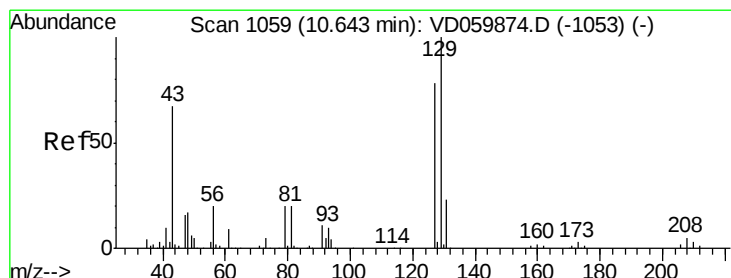
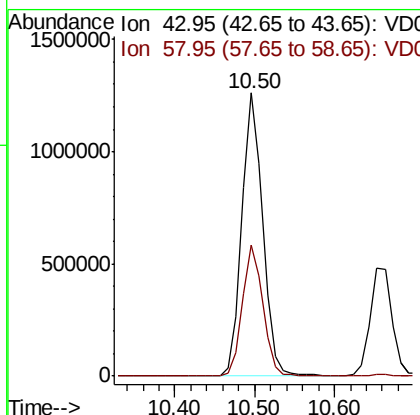
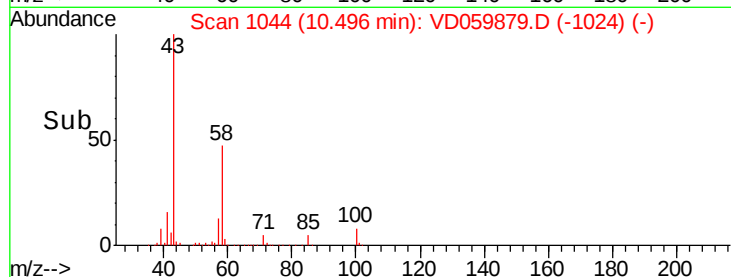
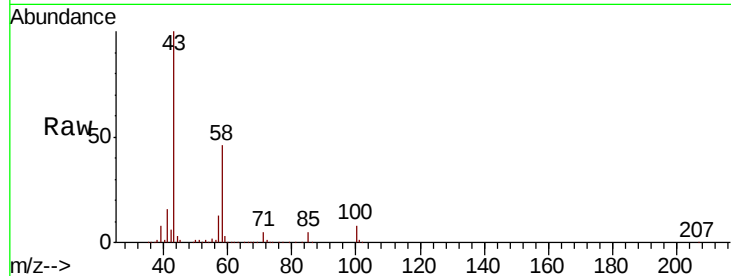
#59
2-Hexanone
Concen: 275.58 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion: 43 Resp: 2297031
Ion Ratio Lower Upper
43 100
58 46.4 23.3 69.8

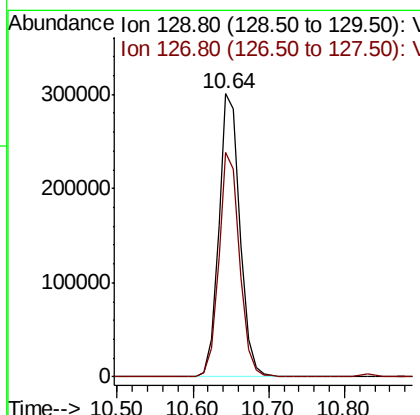
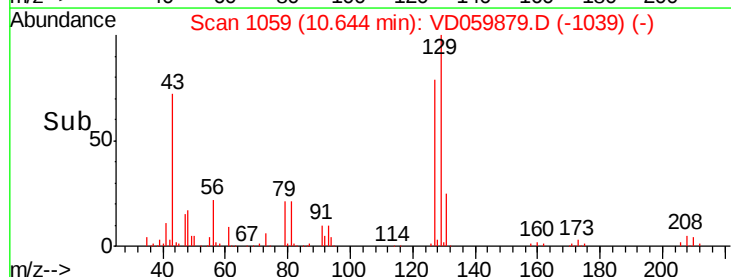
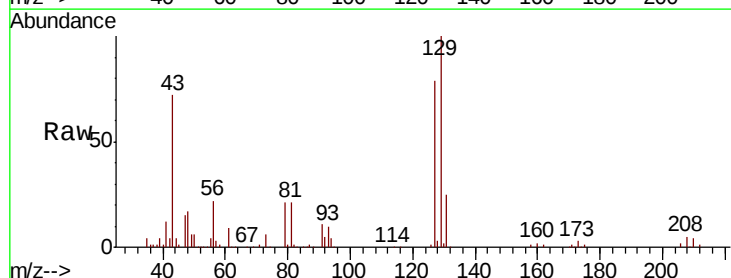
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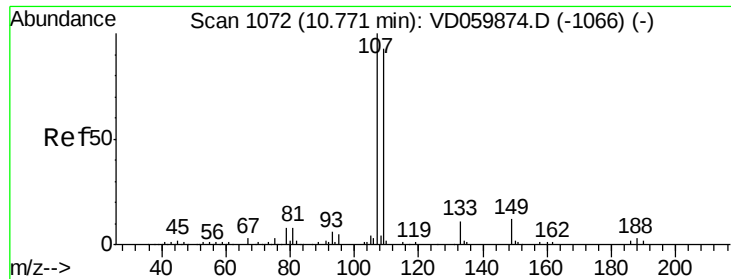
apatel
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#60
Dibromochloromethane
Concen: 51.16 ug/l
RT: 10.64 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion: 129 Resp: 586769
Ion Ratio Lower Upper
129 100
127 79.1 39.1 117.2





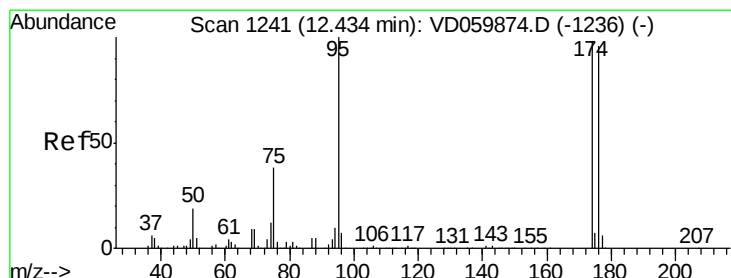
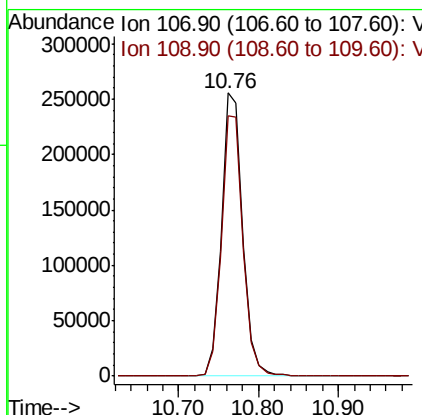
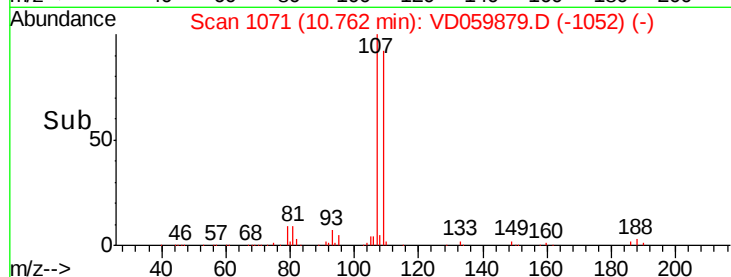
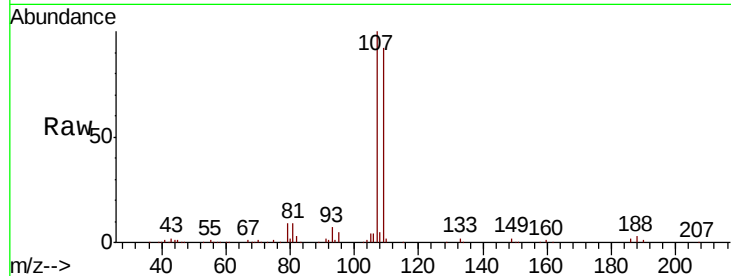
#61
 1,2-Dibromoethane
 Concen: 51.72 ug/l
 RT: 10.76 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD082218

Tot Ion: 107 Resp: 477275
 Ion Ratio Lower Upper
 107 100
 109 91.9 74.6 112.0

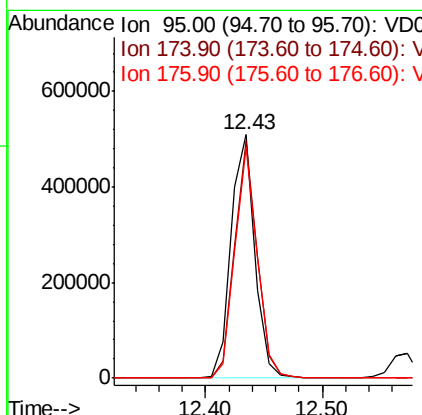
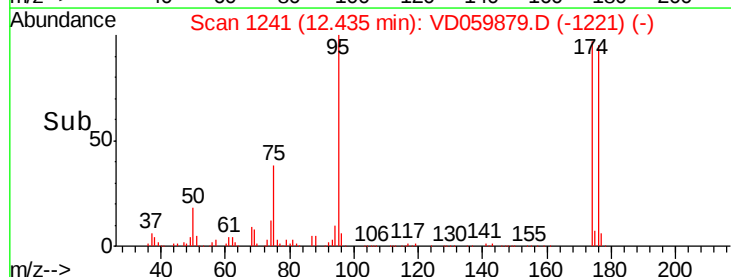
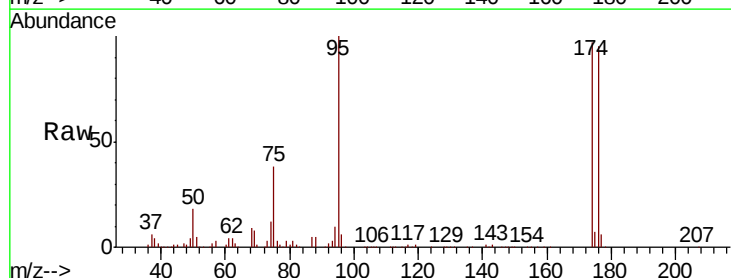
Manual Integrations
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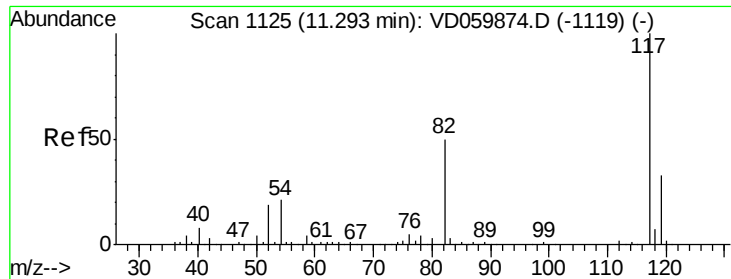
apatel
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#62
 4-Bromofluorobenzene
 Concen: 51.72 ug/l
 RT: 12.43 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Tgt Ion: 95 Resp: 718963
 Ion Ratio Lower Upper
 95 100
 174 97.2 0.0 195.6
 176 94.8 0.0 191.2





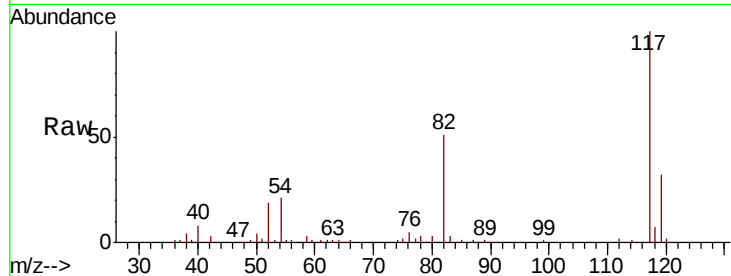
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	40.1	60.1
119	32.2	26.7	40.1

Manual Integrations
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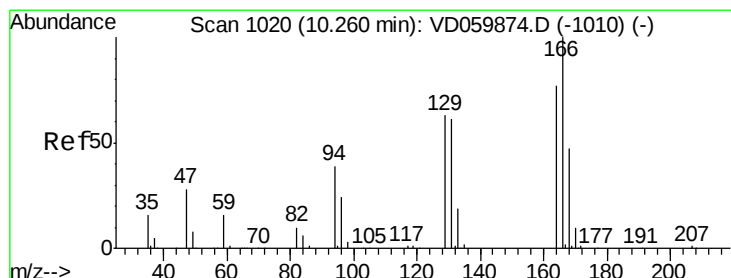
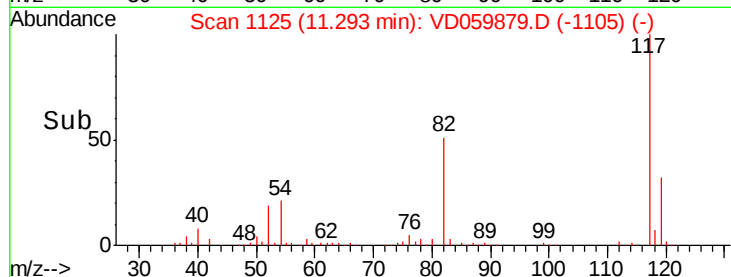
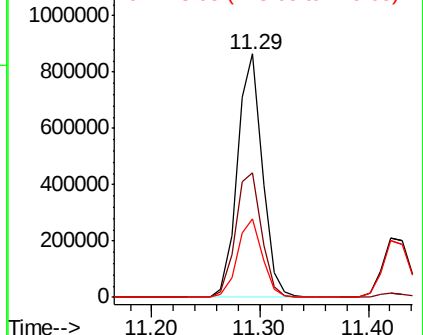


Abundance

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: 48.39 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.4	155.2
129	81.5	65.2	97.8
131	78.1	63.1	94.7

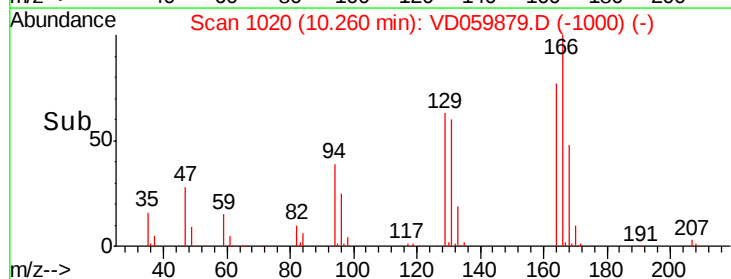
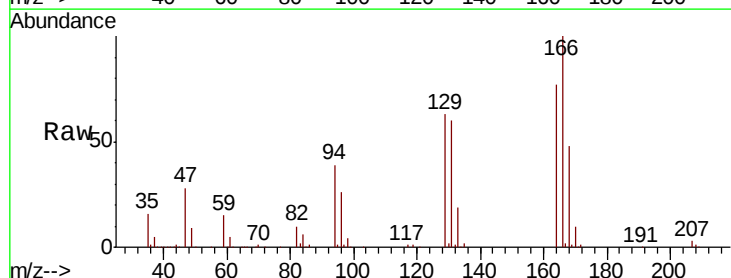
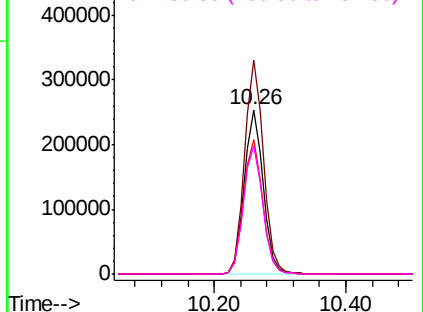
Abundance

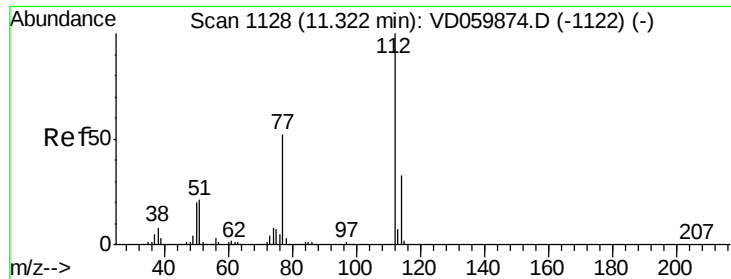
Ion 163.85 (163.55 to 164.55): V

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





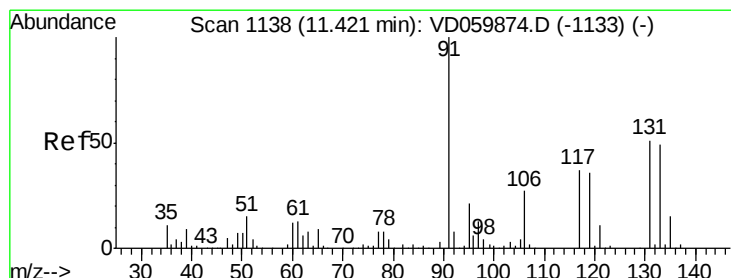
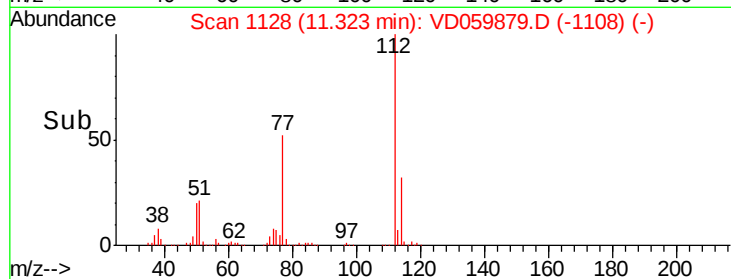
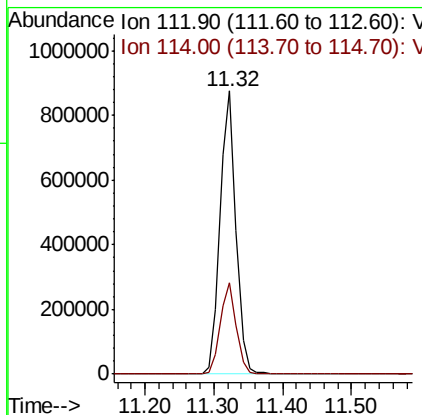
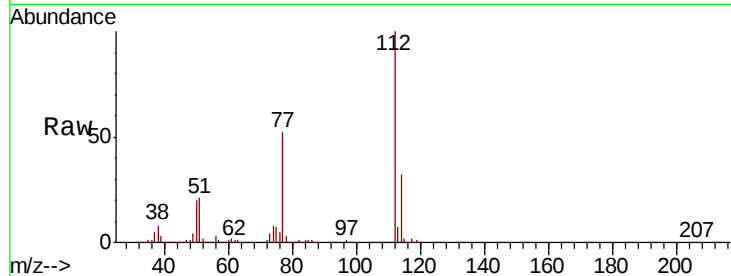
#65
Chlorobenzene
Concen: 50.67 ug/l
RT: 11.32 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion:112 Resp: 1394080
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6

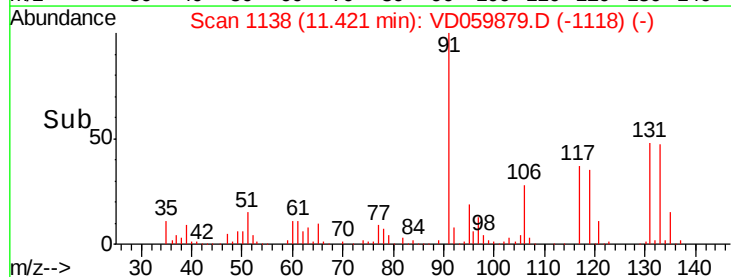
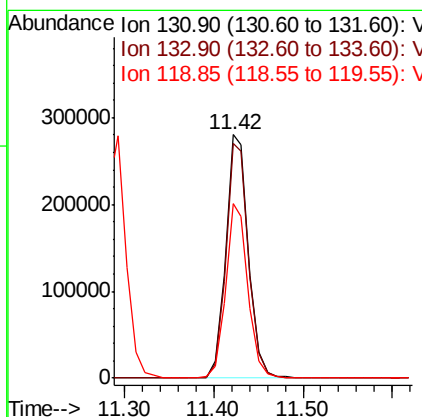
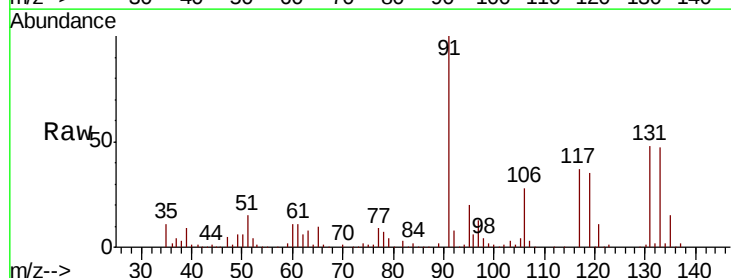
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.79 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion:131 Resp: 500442
Ion Ratio Lower Upper
131 100
133 96.6 48.3 144.8
119 71.5 35.4 106.3





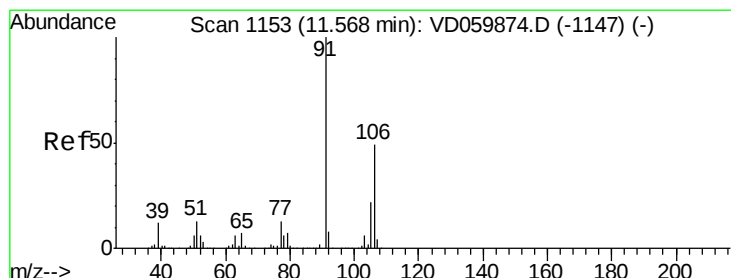
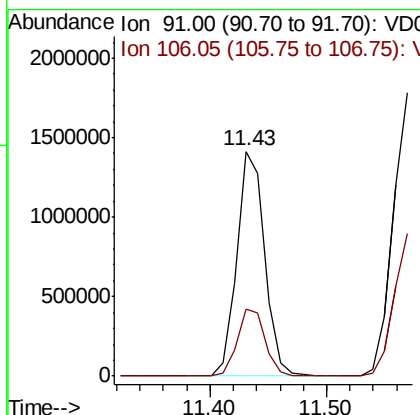
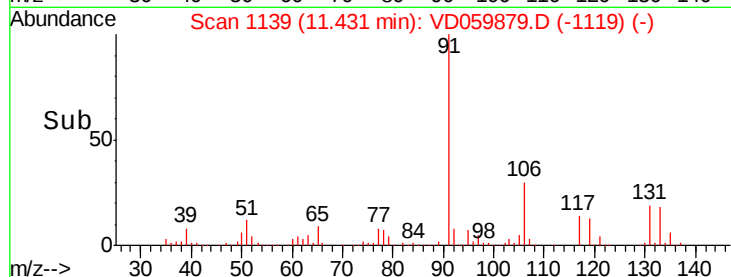
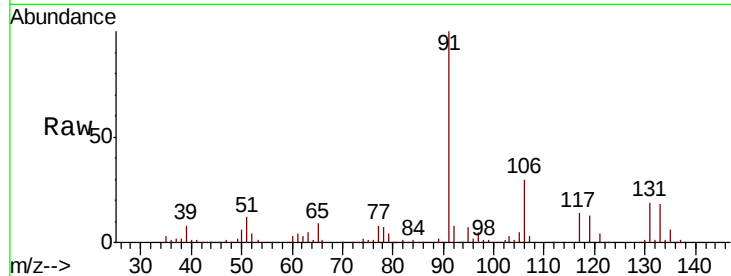
#67
Ethyl Benzene
Concen: 50.22 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion: 91 Resp: 2324444
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.8

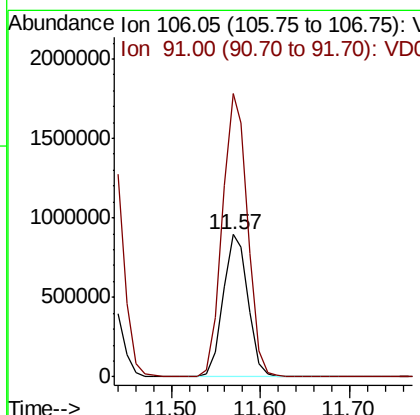
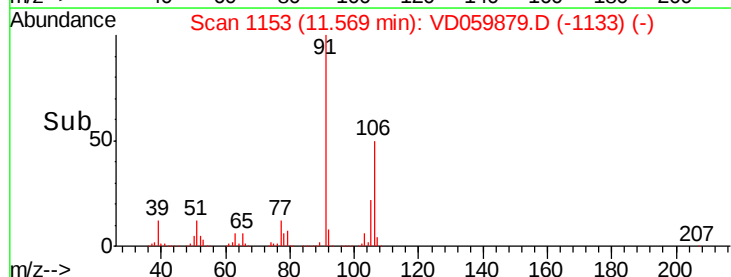
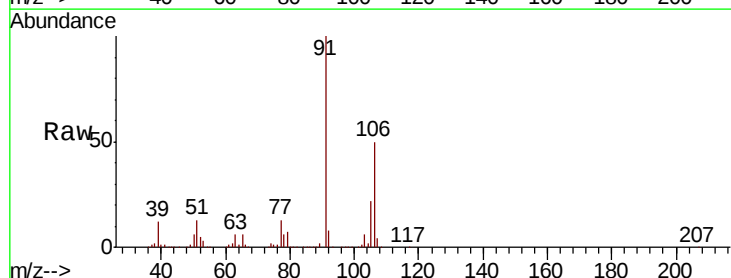
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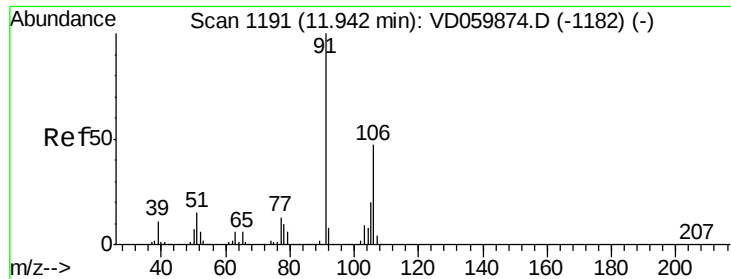
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#68
m/p-Xylenes
Concen: 103.95 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion: 106 Resp: 1751713
Ion Ratio Lower Upper
106 100
91 198.6 162.0 243.0





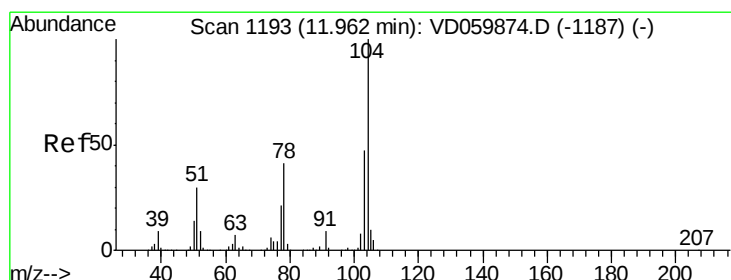
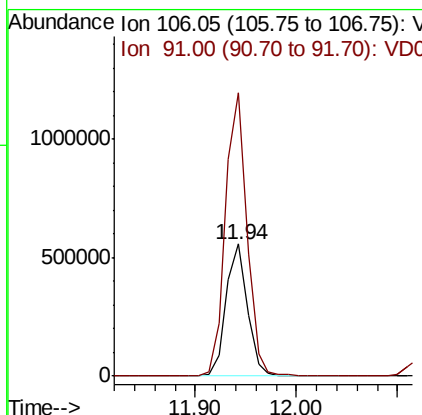
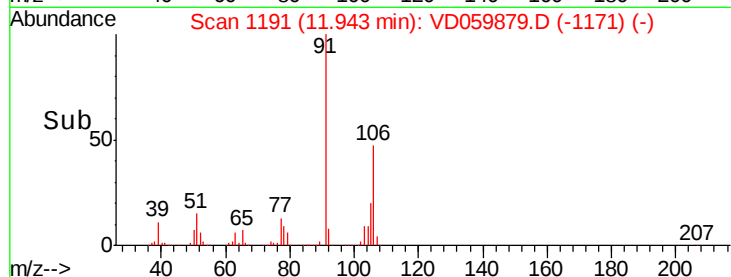
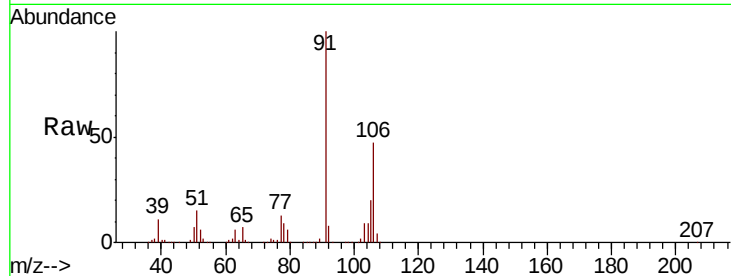
#69
o-Xylene
Concen: 49.79 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.7	107.3	322.0

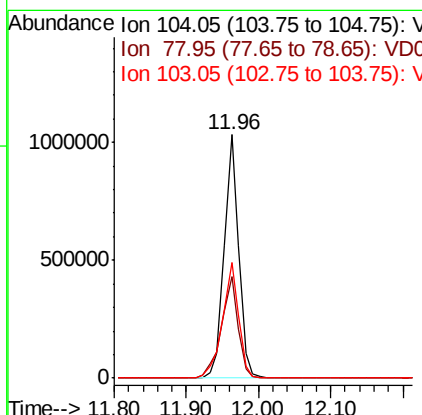
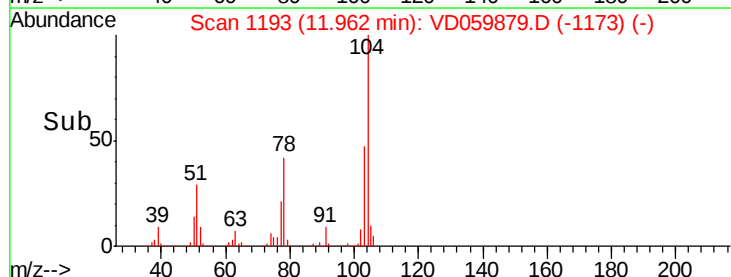
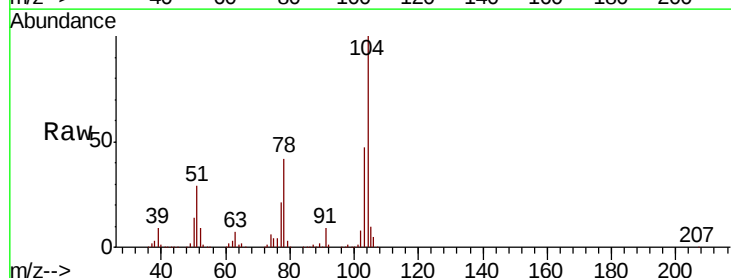
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#70
Styrene
Concen: 50.36 ug/l
RT: 11.96 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	41.8	32.6	49.0
103	47.4	37.7	56.5





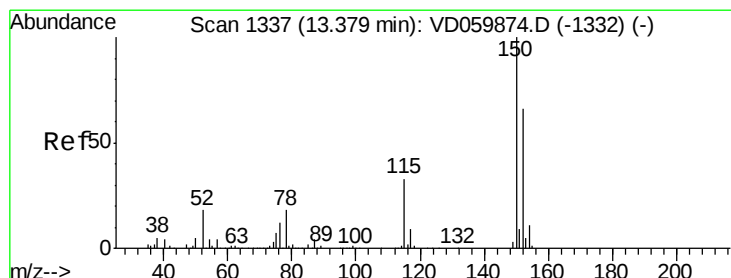
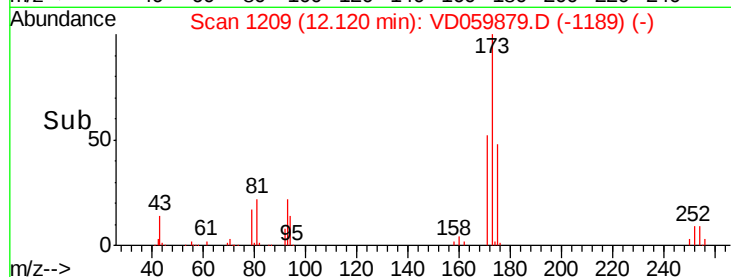
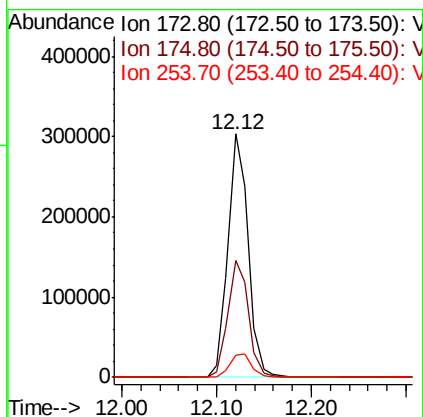
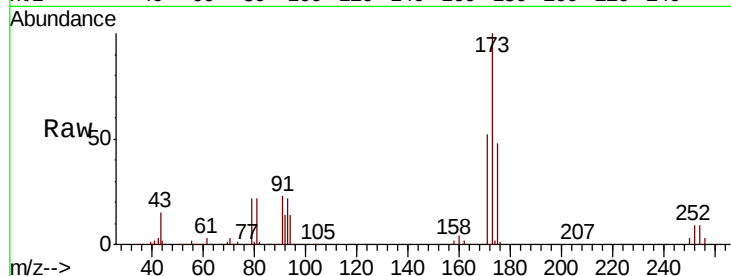
#71
Bromoform
Concen: 51.59 ug/l
RT: 12.12 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	73.0
254	9.1	7.0	10.6

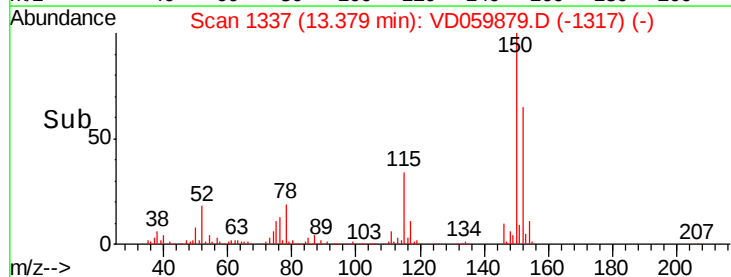
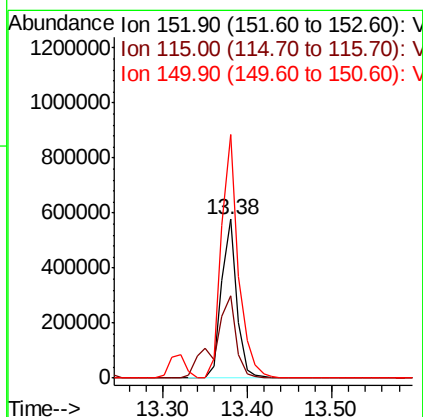
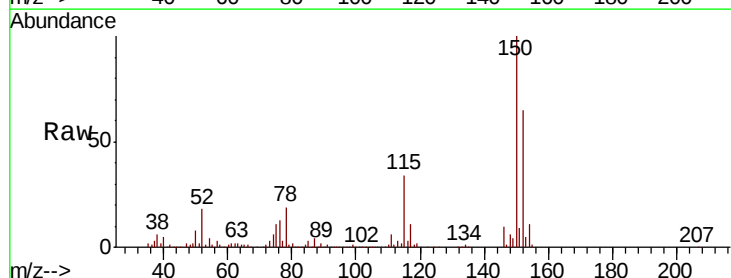
Manual Integrations
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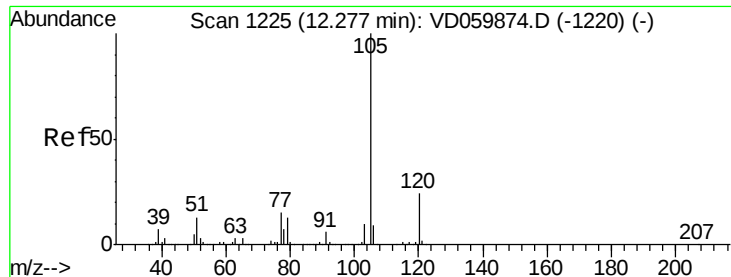
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.8	25.7	77.0
150	153.3	0.0	310.2





#73

Isopropylbenzene

Concen: 49.38 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD082218

Tot Ion: 105 Resp: 2305600

Ion Ratio Lower Upper

105 100

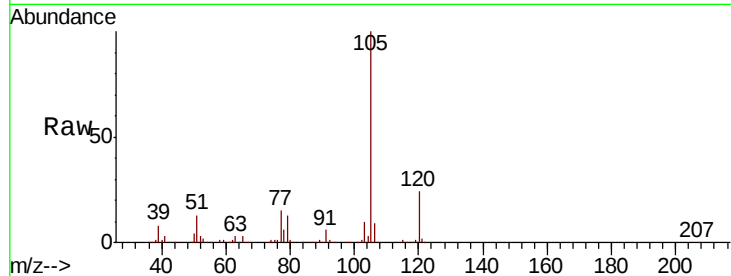
120 23.5 11.8 35.4

Manual Integrations

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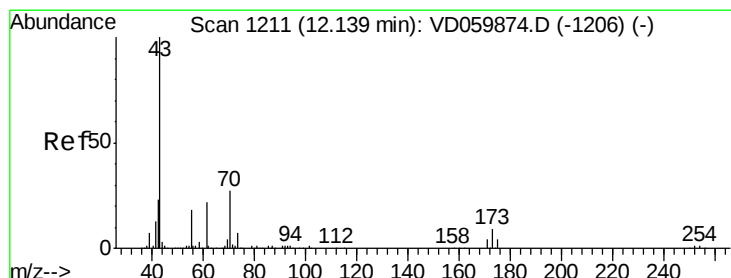
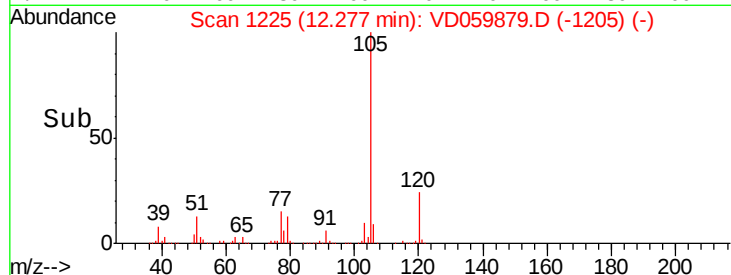
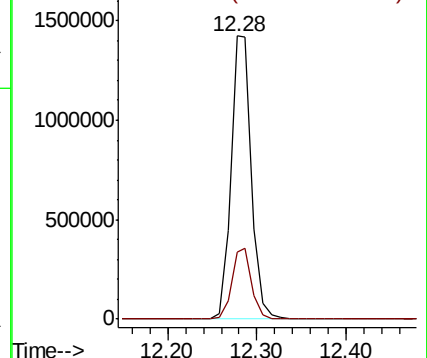
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.97 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Tgt Ion: 43 Resp: 1021636

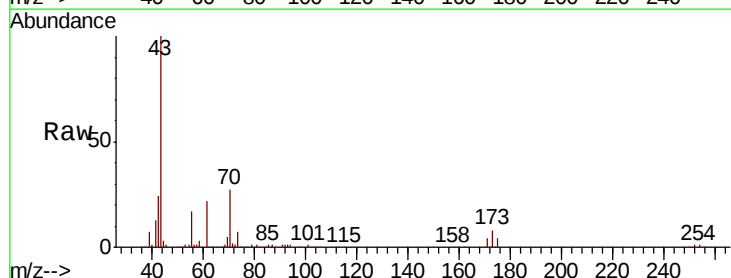
Ion Ratio Lower Upper

43 100

70 26.8 21.4 32.2

55 17.4 14.1 21.1

61 22.1 17.8 26.8

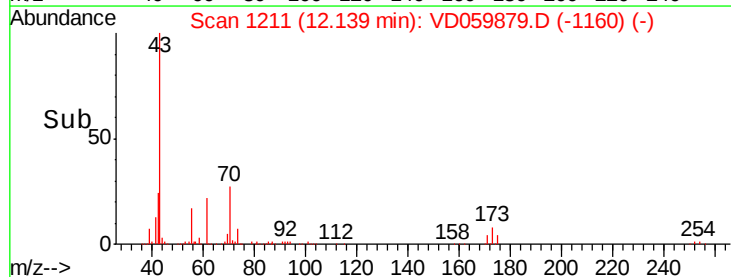
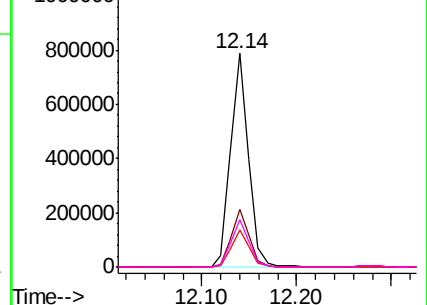


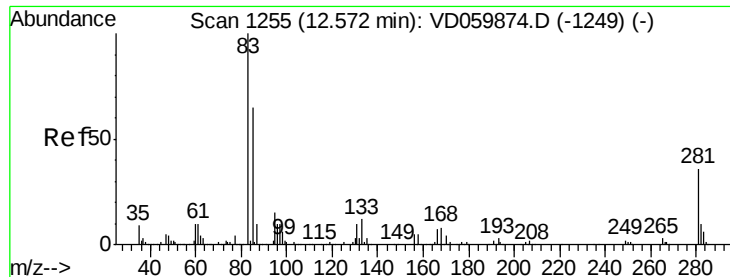
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 50.46 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD082218

Tot Ion: 83 Resp: 544973

Ion Ratio Lower Upper

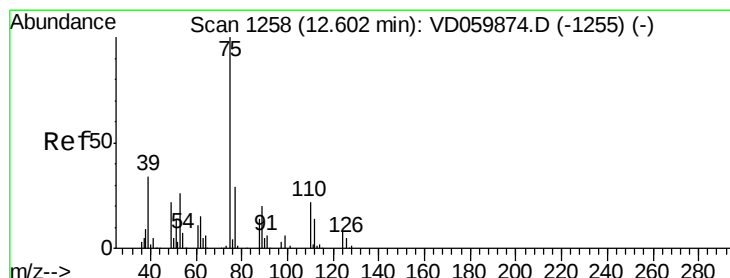
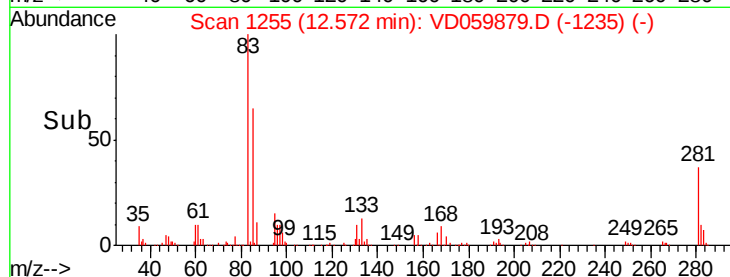
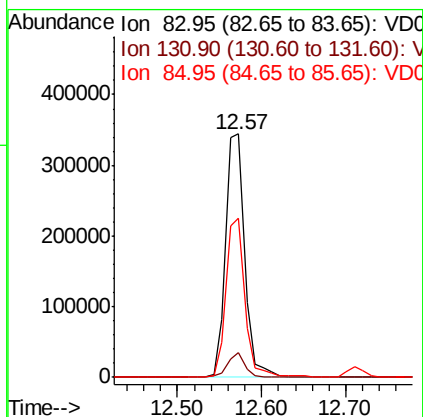
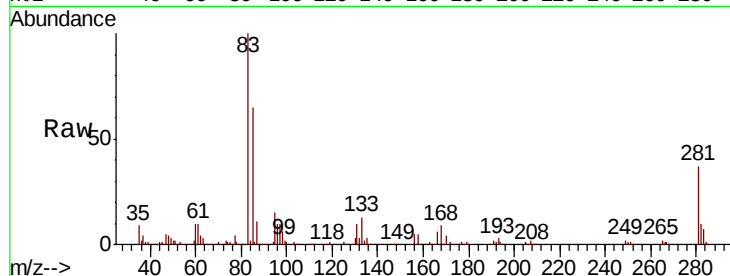
83 100

131 9.9 4.8 14.4

85 65.1 32.6 97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.01 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VD059879.D

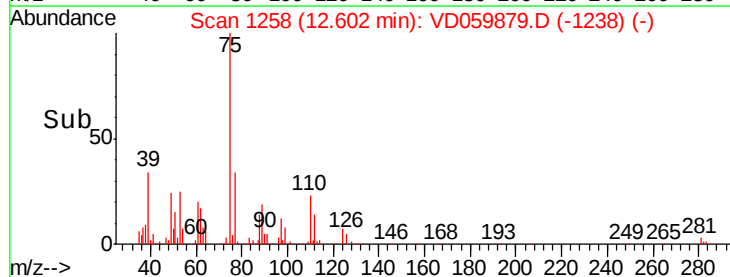
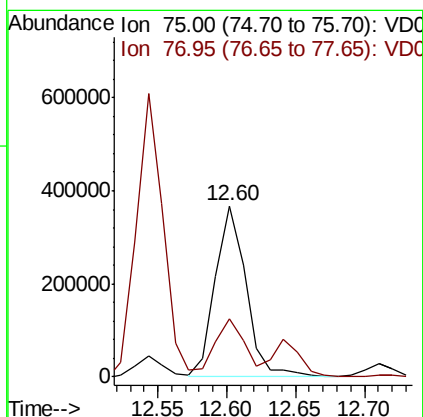
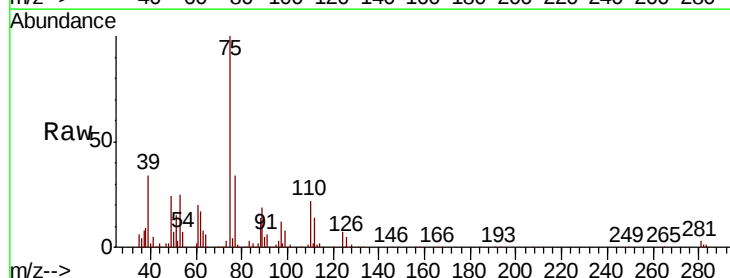
Acq: 22 Aug 2018 16:51

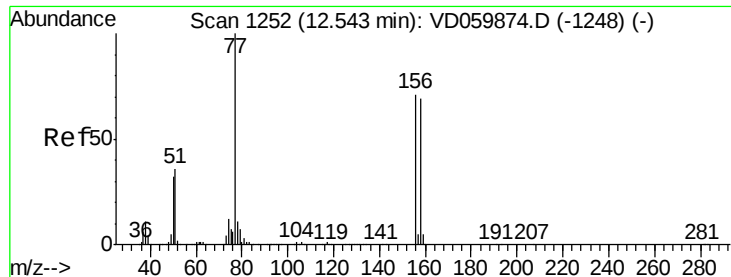
Tgt Ion: 75 Resp: 568600

Ion Ratio Lower Upper

75 100

77 33.8 16.4 49.2





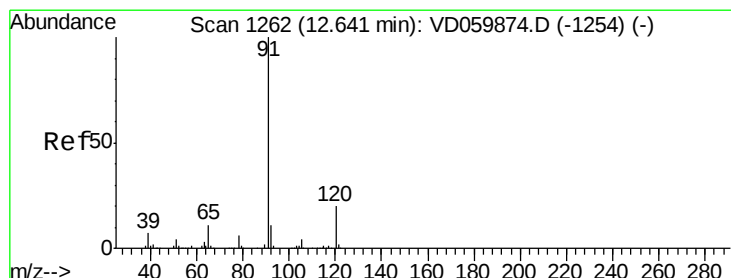
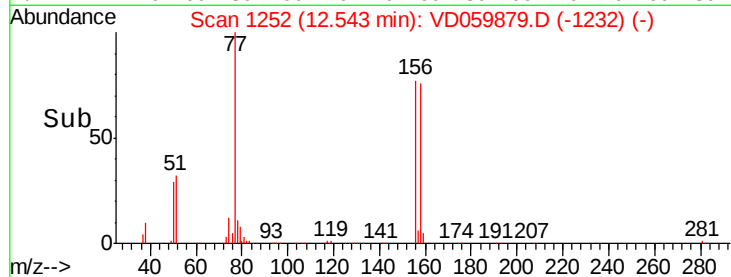
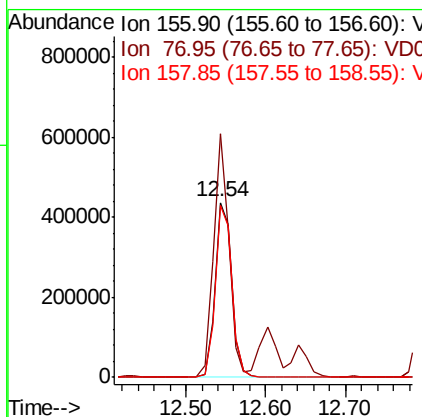
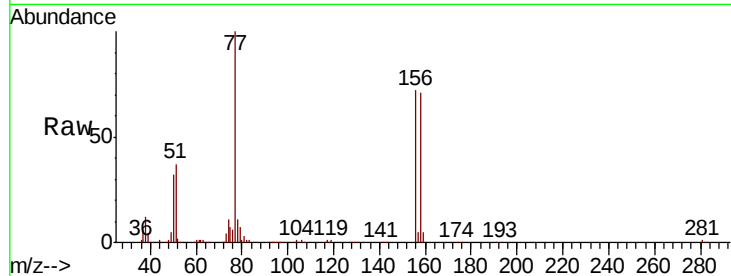
#77
Bromobenzene
Concen: 49.71 ug/l
RT: 12.54 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	139.3	70.2	210.4	
158	98.5	48.4	145.2	

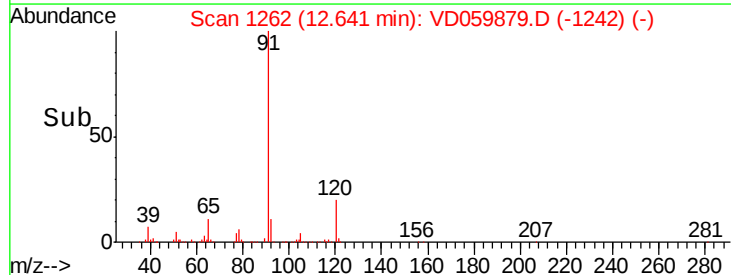
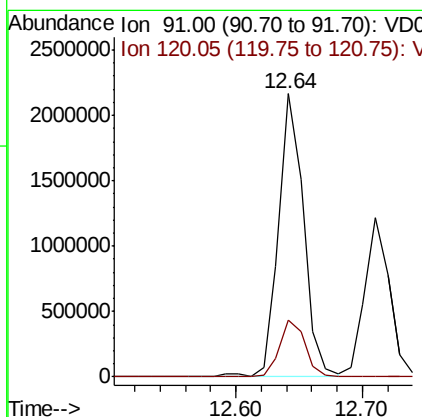
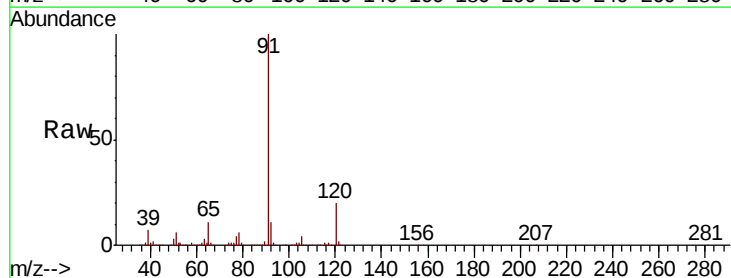
Manual Integrations
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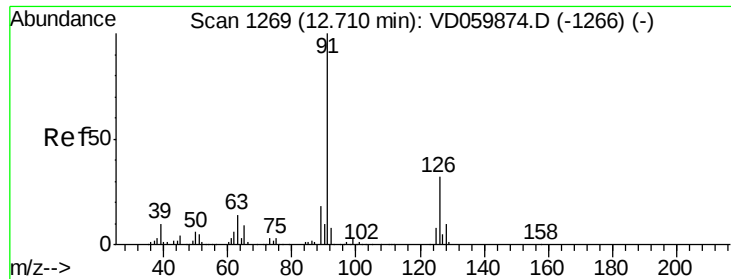
apatel
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#78
n-propylbenzene
Concen: 50.62 ug/l
RT: 12.64 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.1	10.1	30.3	





#79

2-Chlorotoluene

Concen: 49.75 ug/l

RT: 12.71 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD082218

Tot Ion: 91 Resp: 1663684

Ion Ratio Lower Upper

91 100

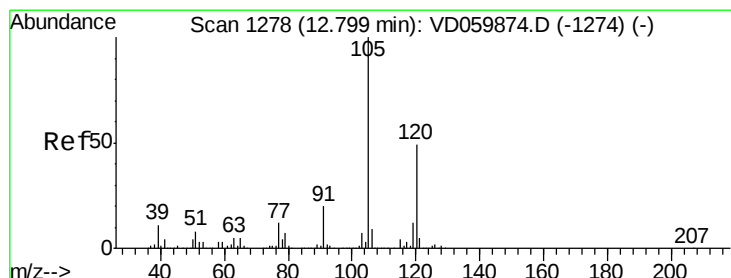
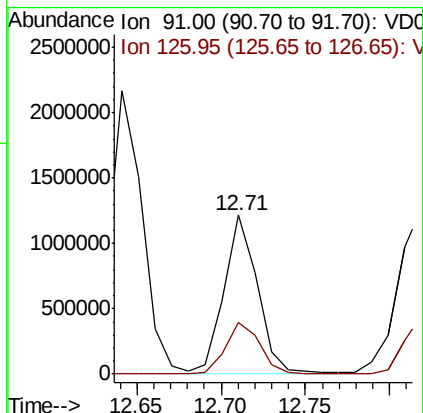
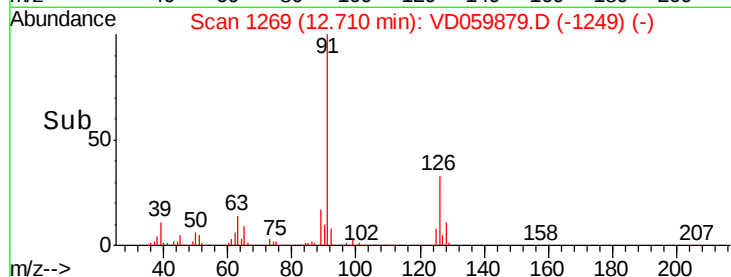
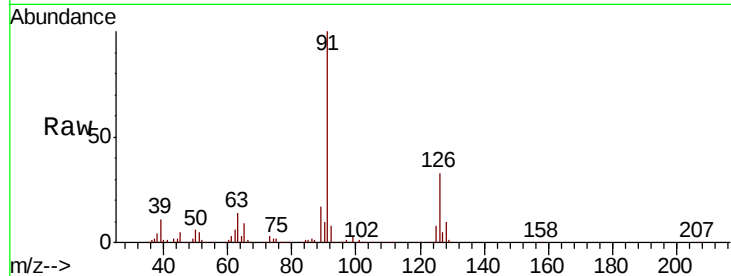
126 32.6 16.1 48.2

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#80

1,3,5-Trimethylbenzene

Concen: 49.58 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VD059879.D

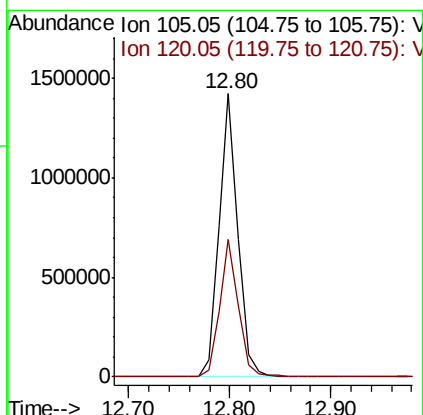
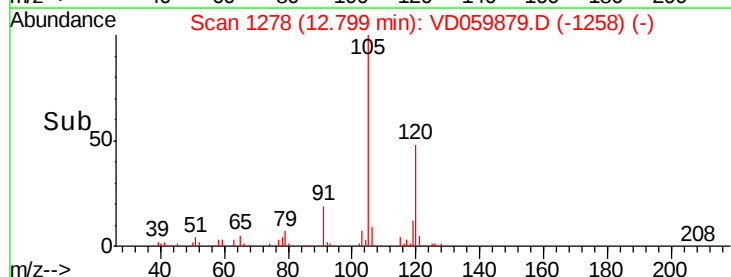
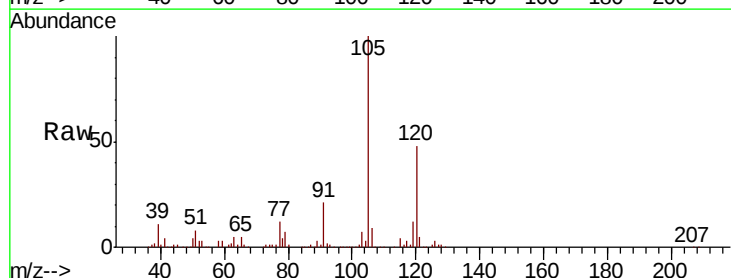
Acq: 22 Aug 2018 16:51

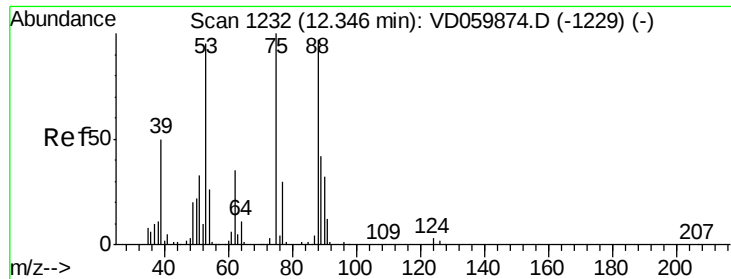
Tgt Ion: 105 Resp: 1840755

Ion Ratio Lower Upper

105 100

120 48.4 24.5 73.5





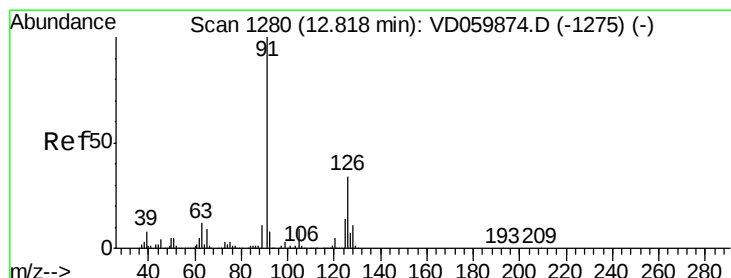
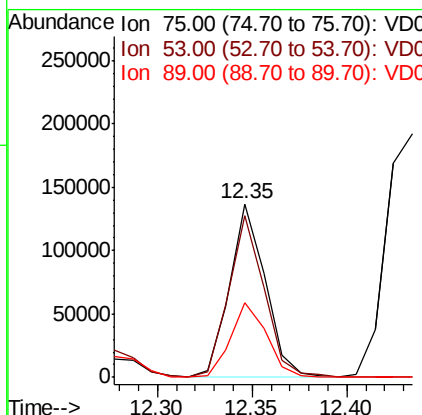
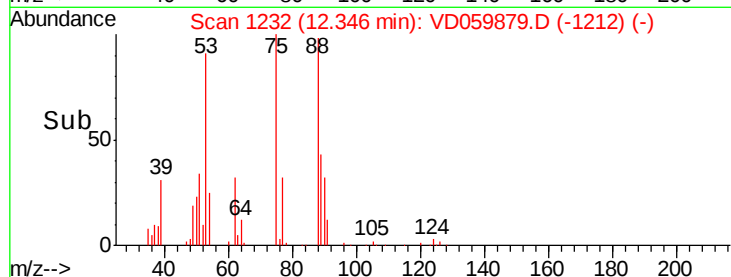
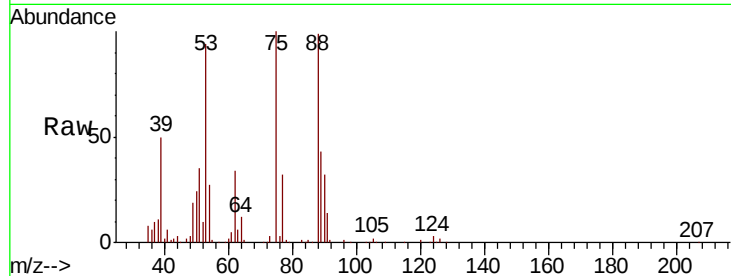
#81
trans-1,4-Dichloro-2-butene
Concen: 50.55 ug/l
RT: 12.35 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.7	75.8	113.6
89	43.1	33.6	50.4

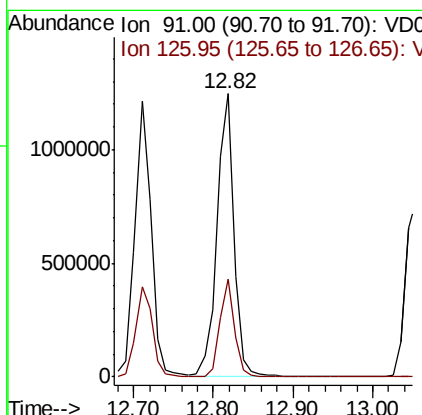
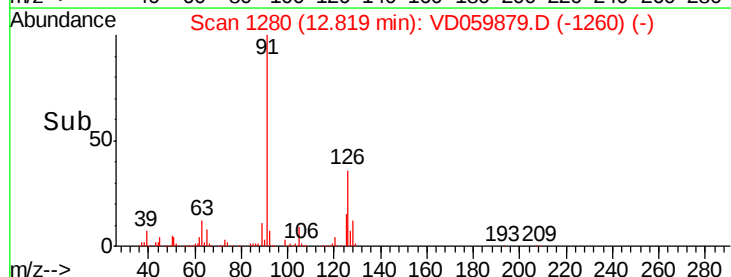
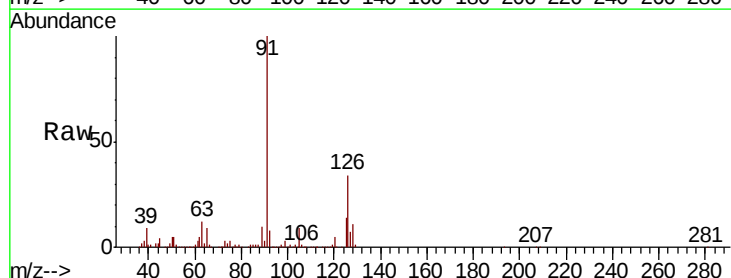
Manual Integrations
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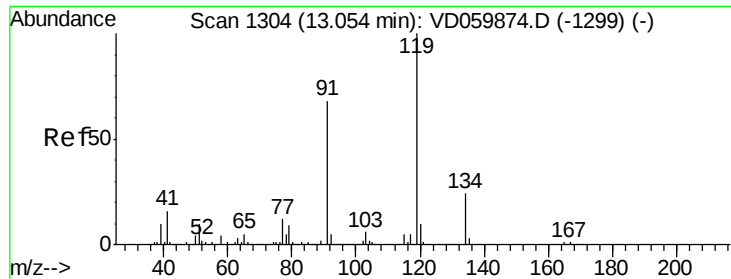
apatel
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#82
4-Chlorotoluene
Concen: 49.08 ug/l
RT: 12.82 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.1	51.2





#83

tert-Butylbenzene

Concen: 50.43 ug/l

RT: 13.05 min Scan# 1304

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD082218

Tot Ion:119 Resp: 2132640

Ion Ratio Lower Upper

119 100

91 67.2 34.3 102.9

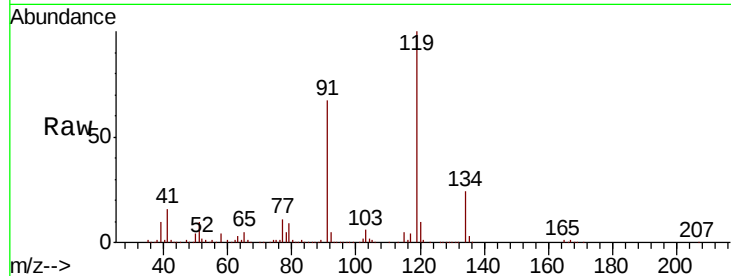
134 24.2 11.9 35.9

Manual Integrations

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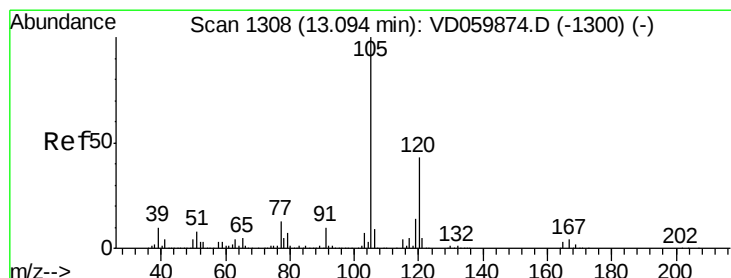
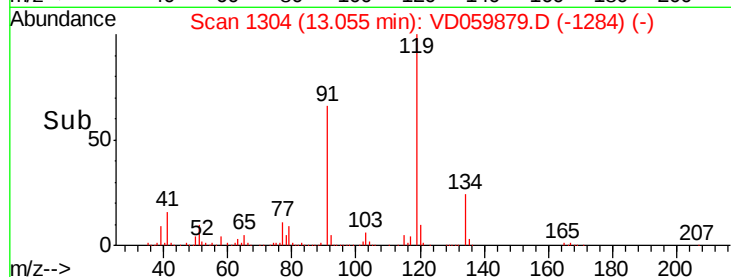
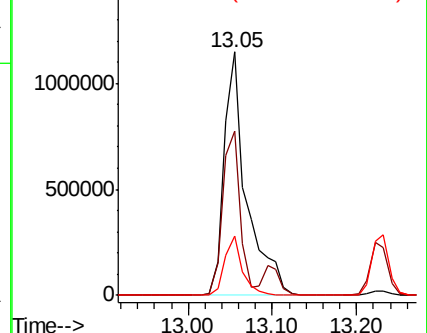
8/23/2018 10:53:19 AM



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.02 ug/l

RT: 13.09 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VD059879.D

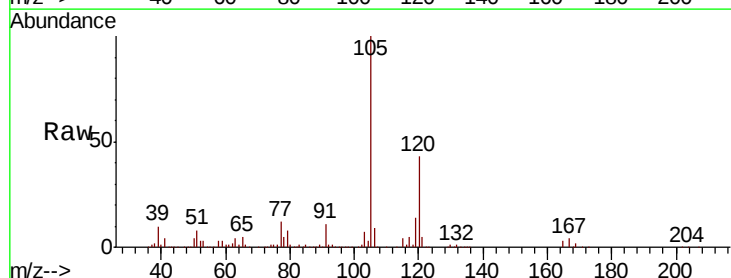
Acq: 22 Aug 2018 16:51

Tgt Ion:105 Resp: 1935289

Ion Ratio Lower Upper

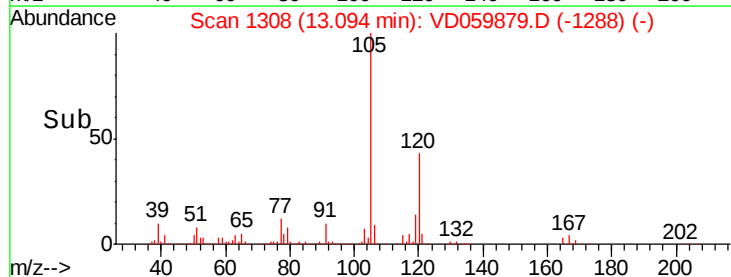
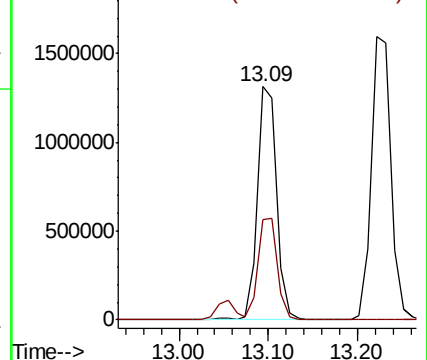
105 100

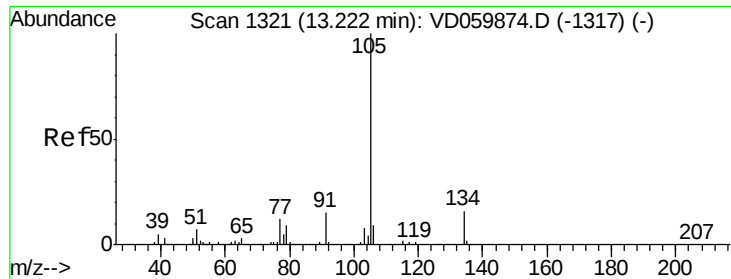
120 42.9 21.8 65.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





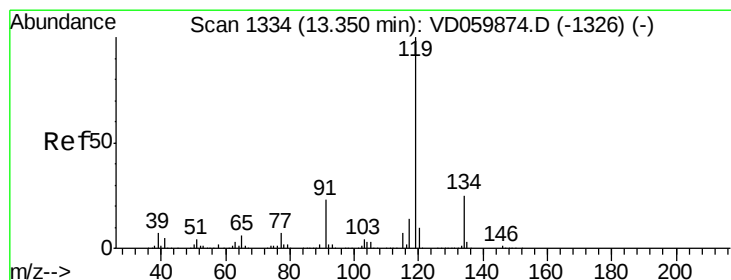
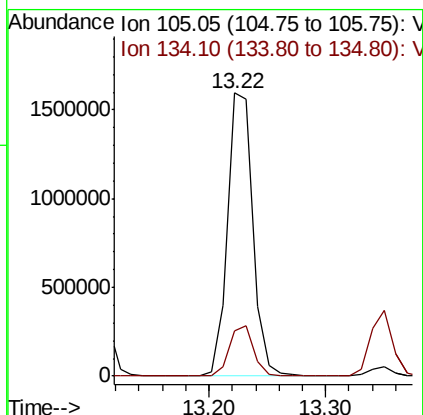
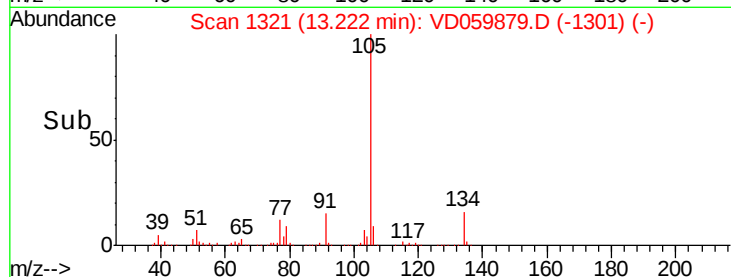
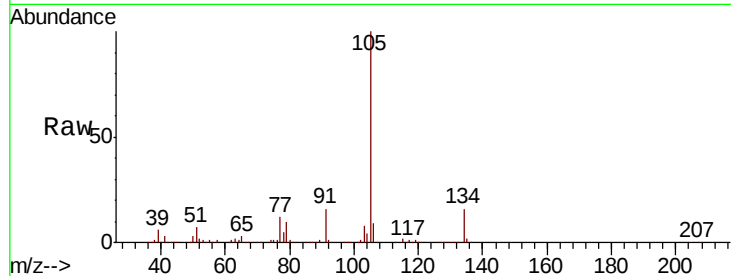
#85
 sec-Butylbenzene
 Concen: 48.00 ug/l
 RT: 13.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD082218

Tot Ion:105 Resp: 2386902
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.2 24.4

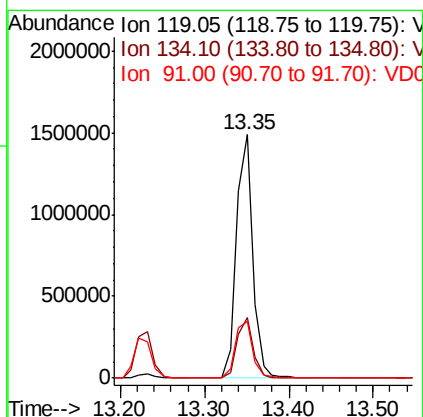
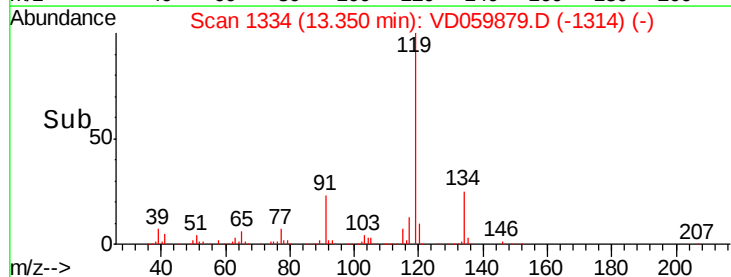
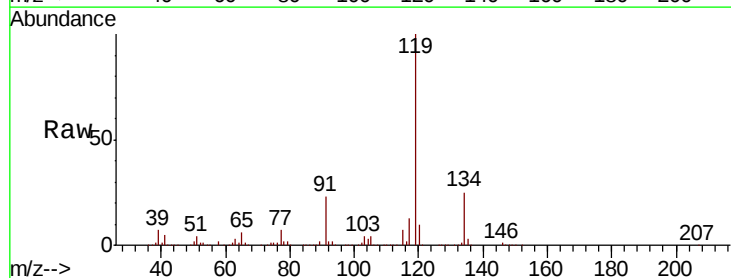
Manual Integrations
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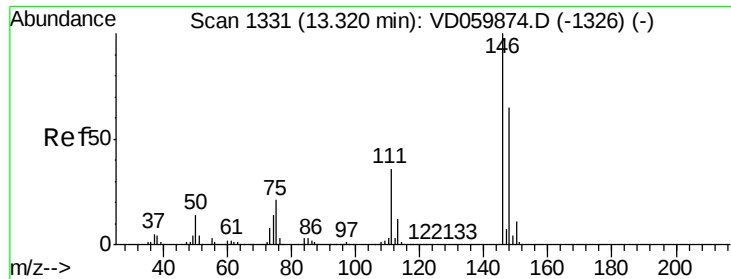
apatel
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#86
 p-Isopropyltoluene
 Concen: 49.43 ug/l
 RT: 13.35 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Tgt Ion:119 Resp: 1999102
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.7 38.1
 91 23.2 11.7 35.0





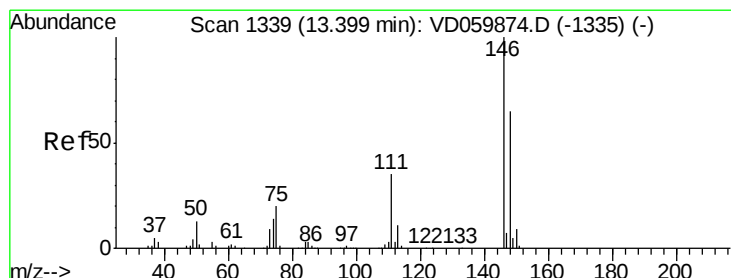
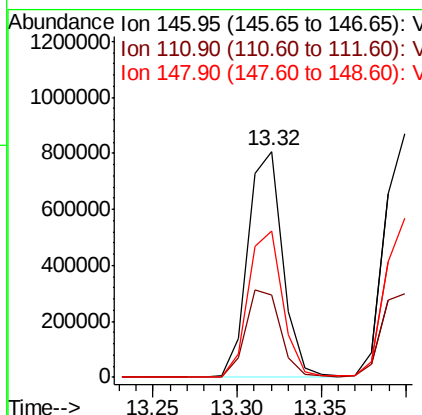
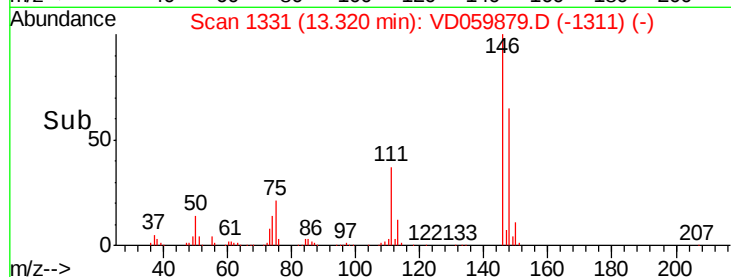
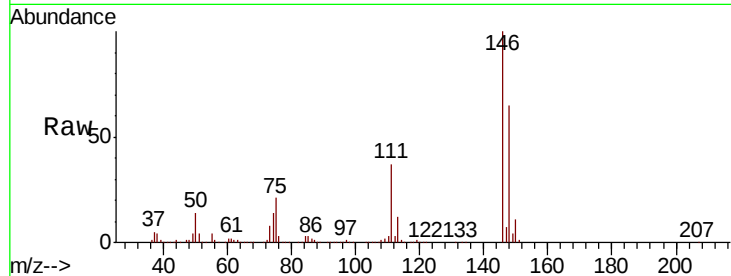
#87
 1,3-Dichlorobenzene
 Concen: 50.06 ug/l
 RT: 13.32 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD082218

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.9	53.7
148	65.0	32.4	97.0

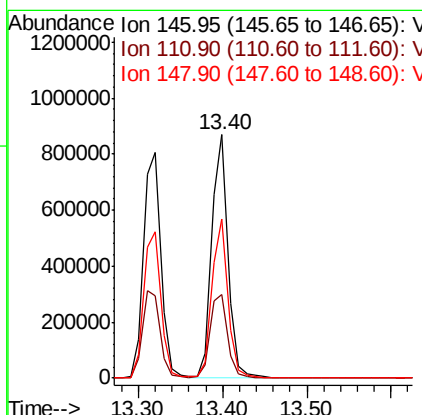
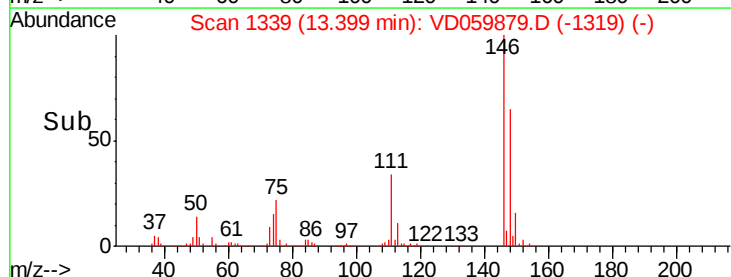
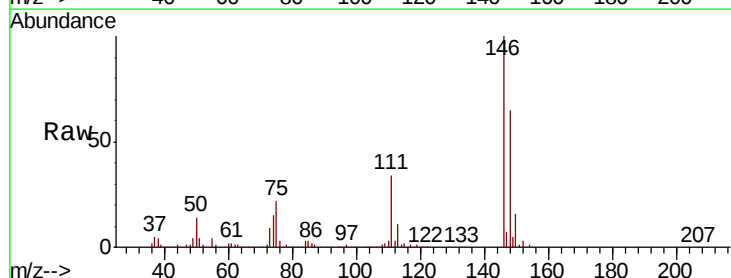
Manual Integrations
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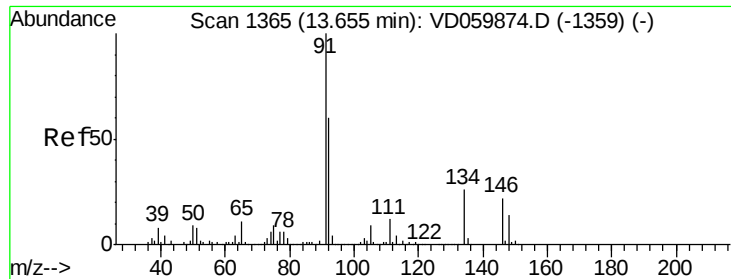
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 50.28 ug/l
 RT: 13.40 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	17.5	52.6
148	65.2	32.5	97.5





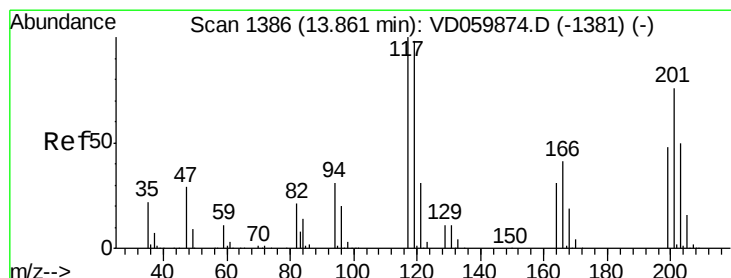
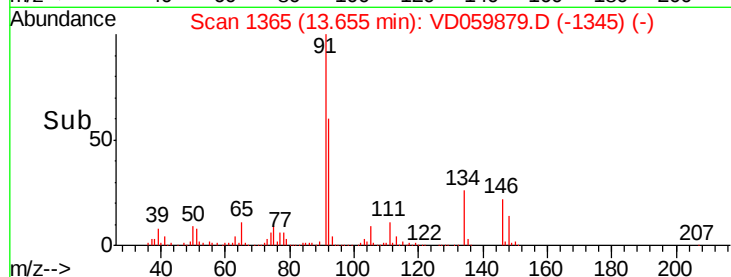
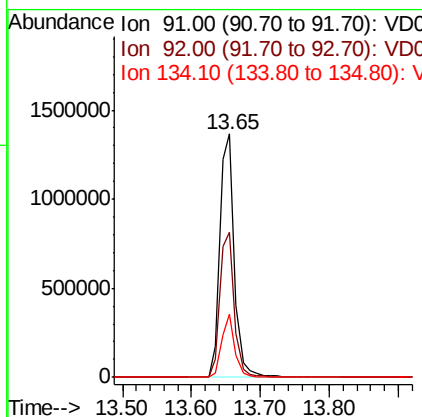
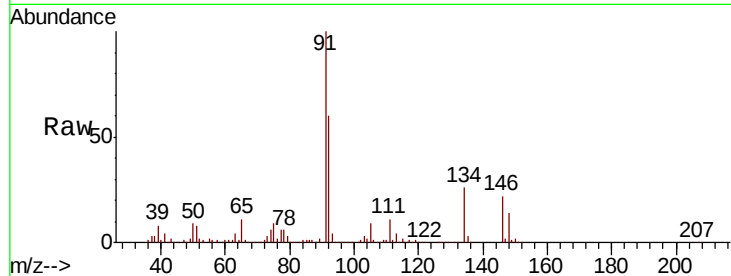
#89
n-Butylbenzene
Concen: 51.72 ug/l
RT: 13.65 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD082218

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.7	30.0	90.1
134	25.8	12.8	38.4

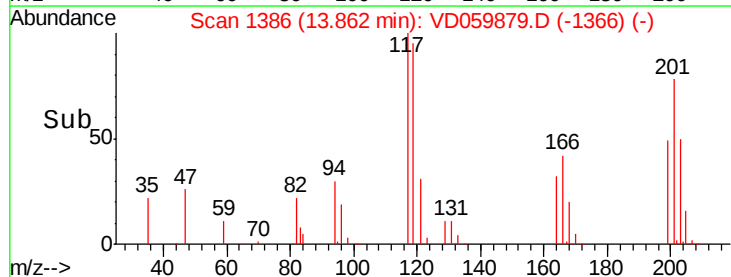
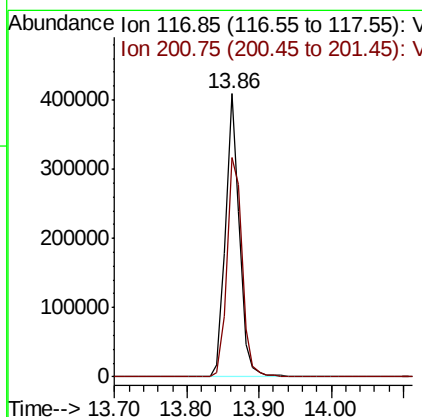
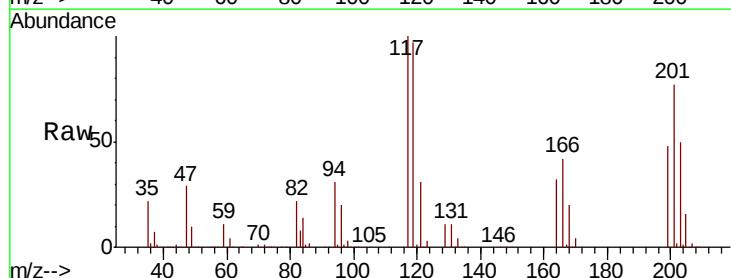
Manual Integrations
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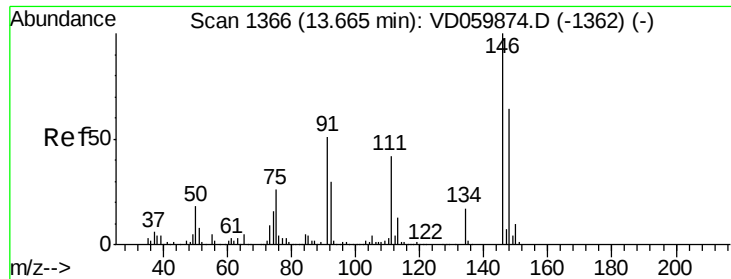
apatel
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#90
Hexachloroethane
Concen: 50.25 ug/l
RT: 13.86 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VD059879.D
Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.3	38.1	114.5





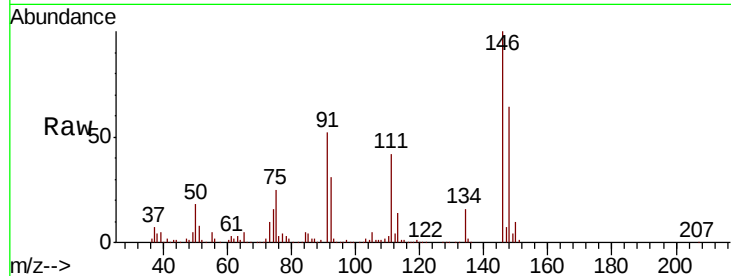
#91
 1,2-Dichlorobenzene
 Concen: 49.96 ug/l
 RT: 13.66 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD082218

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.1
148	64.4	32.2	96.6

Manual Integrations
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apatel
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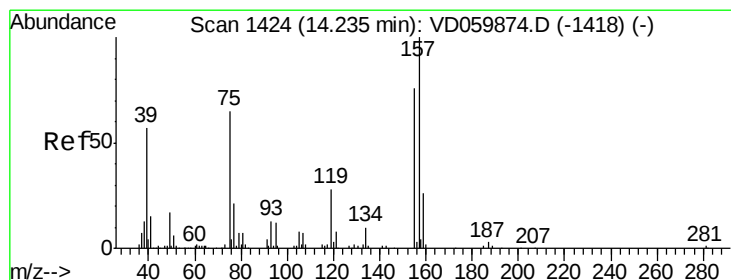
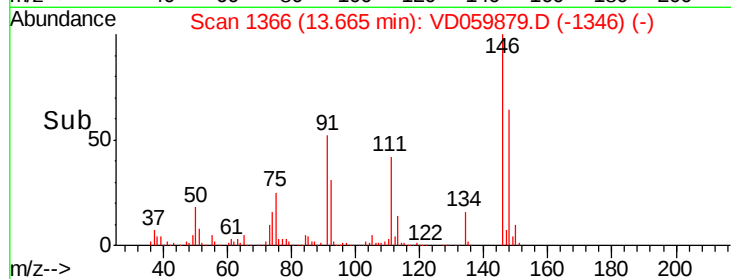
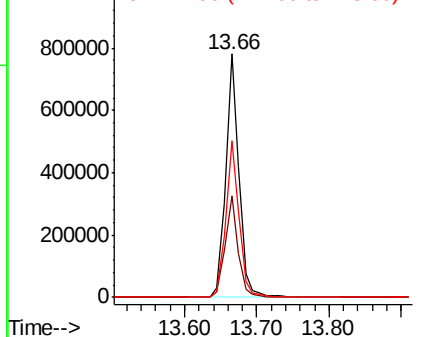


Abundance

Ion 145.95 (145.65 to 146.65): V

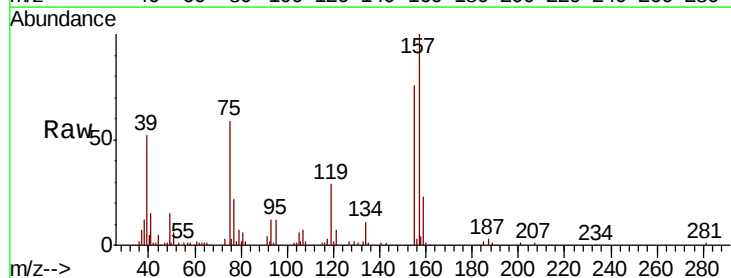
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.90 ug/l
 RT: 14.24 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	127.7	58.2	174.6
157	168.7	76.8	230.4

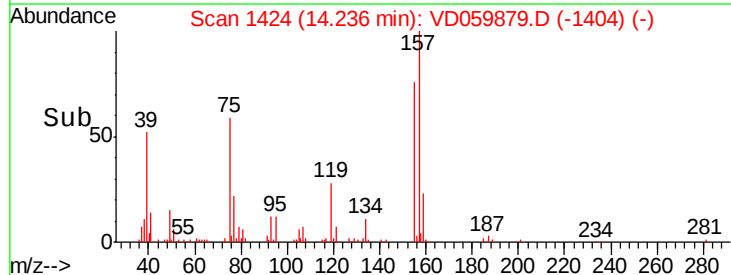
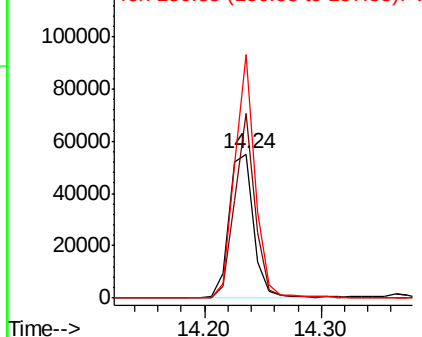


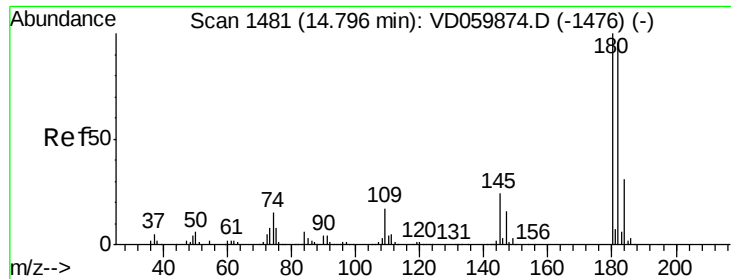
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





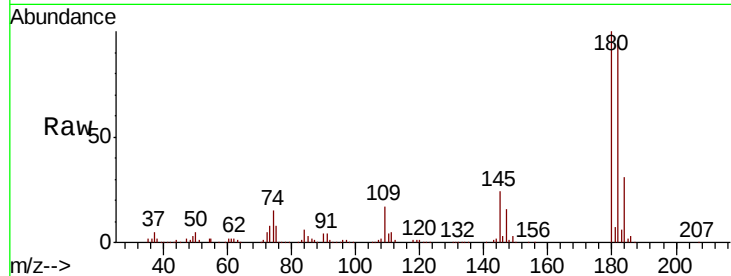
#93
 1,2,4-Trichlorobenzene
 Concen: 49.78 ug/l
 RT: 14.80 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD082218

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	23.9	12.2	36.4

Manual Integrations
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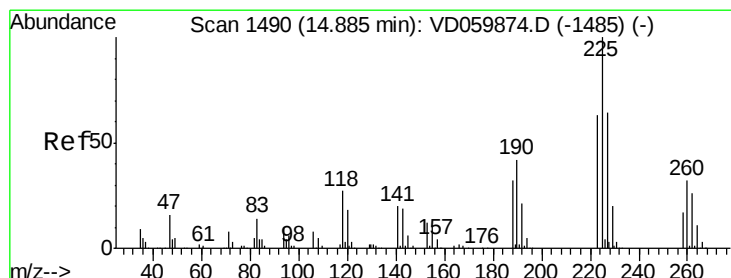
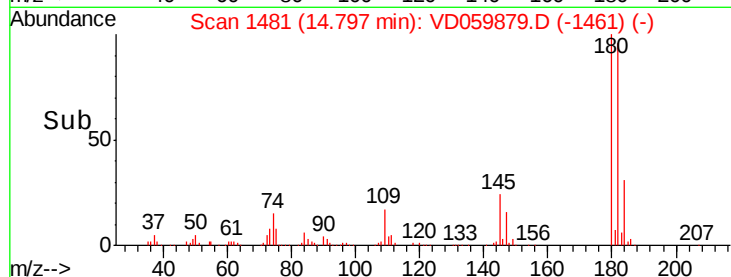
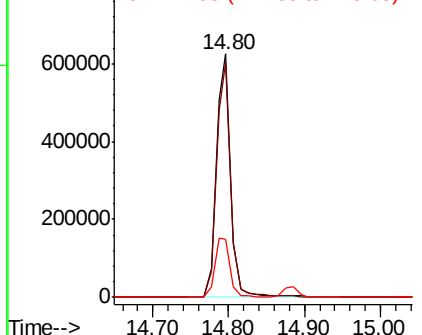


Abundance

Ion 179.85 (179.55 to 180.55): V

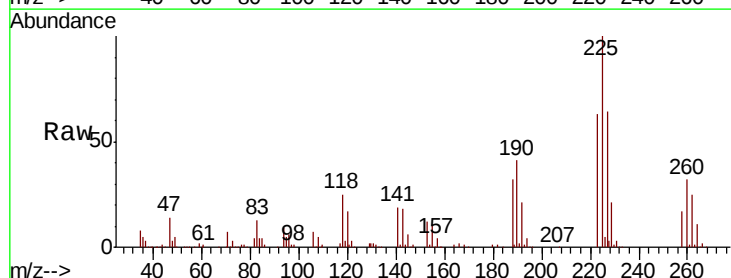
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 51.14 ug/l
 RT: 14.89 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: VD059879.D
 Acq: 22 Aug 2018 16:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.6	94.8
227	64.2	32.0	96.0

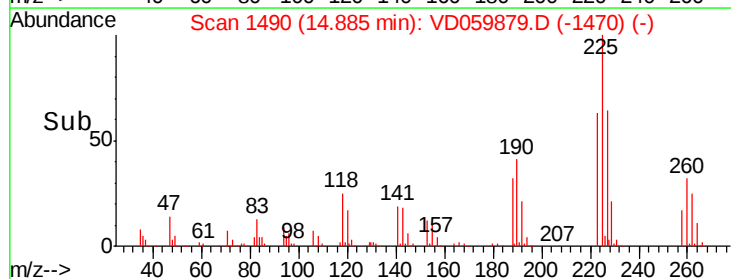
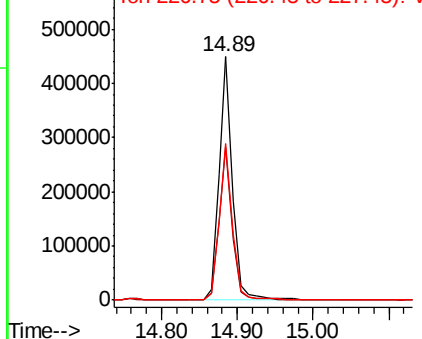


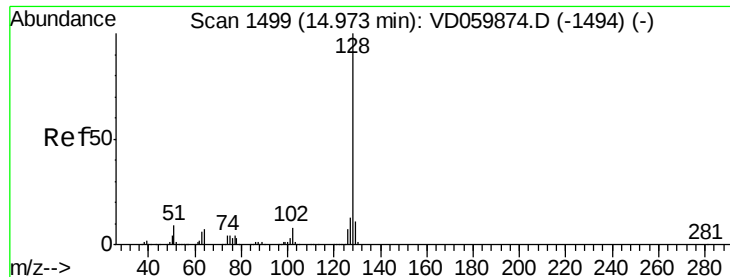
Abundance

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: 51.78 ug/l

RT: 14.97 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Instrument :

MSVOA_D

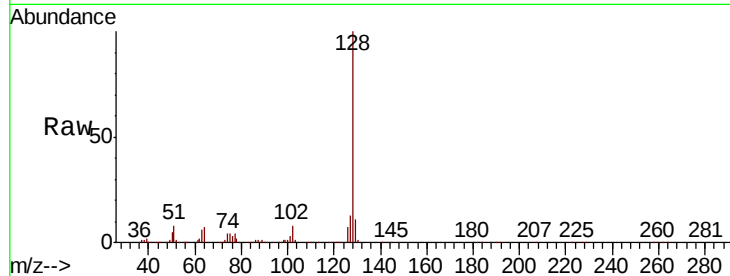
ClientSampleId :

ICVVD082218

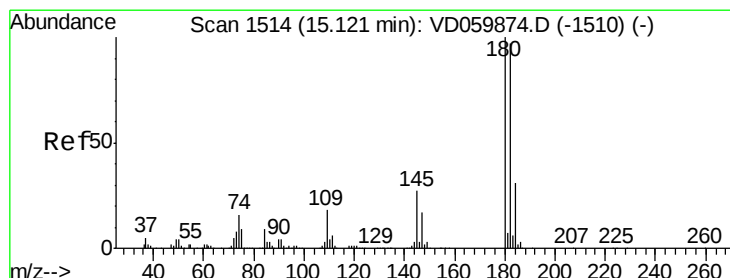
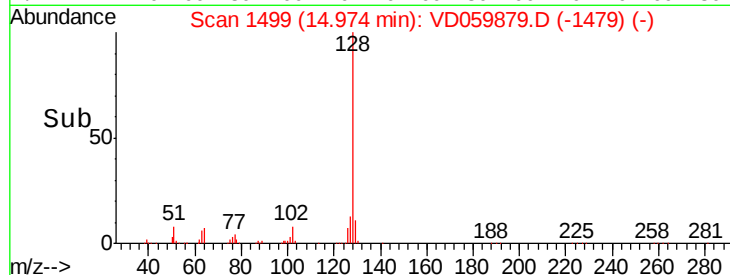
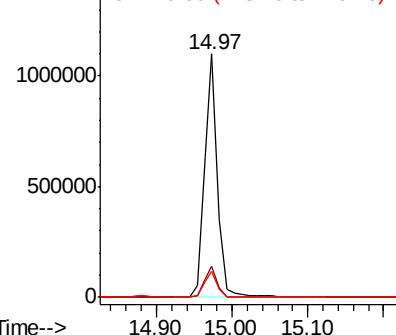
Tot Ion:	128	Resp:	1331536
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	10.8	8.6	13.0

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
1500000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.69 ug/l

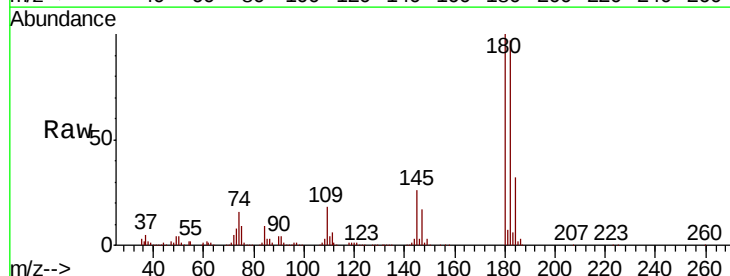
RT: 15.12 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VD059879.D

Acq: 22 Aug 2018 16:51

Tgt Ion:	180	Resp:	729522
Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.6	145.8
145	26.3	13.6	40.8



Abundance Ion 179.85 (179.55 to 180.55): V
800000
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

