

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082218\
 Data File : VD059878.D
 Acq On : 22 Aug 2018 16:22
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/23/2018 10:53:12 AM

Quant Time: Aug 23 01:54:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 01:14:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1165534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1588428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1323446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	711809	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	215331	22.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	45.98%	
35) Dibromofluoromethane	6.33	113	268747	22.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	44.30%	
50) Toluene-d8	9.47	98	753980	22.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	45.16%	
62) 4-Bromofluorobenzene	12.44	95	311122	23.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	46.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	210276	20.69	ug/l	96
3) Chloromethane	1.75	50	207372	22.10	ug/l	98
4) Vinyl Chloride	1.84	62	151380	20.53	ug/l	95
5) Bromomethane	2.15	94	48703	56.20	ug/l	88
6) Chloroethane	2.25	64	58433	31.20	ug/l	100
7) Trichlorofluoromethane	2.50	101	189307	23.67	ug/l	100
8) Diethyl Ether	2.83	74	40614	22.19	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.08	101	115223	22.64	ug/l	92
10) Methyl Iodide	3.24	142	84072	17.48	ug/l	96
11) Tert butyl alcohol	3.97	59	85356	111.82	ug/l	96
12) 1,1-Dichloroethene	3.07	96	87725	22.64	ug/l	95
13) Acrolein	2.98	56	34733	114.72	ug/l	97
14) Allyl chloride	3.53	41	197814	21.68	ug/l	99
15) Acrylonitrile	4.08	53	304916	109.46	ug/l	99
16) Acetone	3.16	43	211772	124.70	ug/l	99
17) Carbon Disulfide	3.32	76	270856	22.48	ug/l	98
18) Methyl Acetate	3.55	43	76993	20.56	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	494649	21.33	ug/l	97
20) Methylene Chloride	3.71	84	270132	19.39	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	234670	21.38	ug/l	96
22) Diisopropyl ether	4.85	45	978334	21.07	ug/l	96
23) Vinyl Acetate	4.80	43	2853714	110.28	ug/l	100
24) 1,1-Dichloroethane	4.75	63	424251	21.19	ug/l	99
25) 2-Butanone	5.63	43	601934	118.68	ug/l	98
26) 2,2-Dichloropropane	5.59	77	346937	21.21	ug/l	94
27) cis-1,2-Dichloroethene	5.60	96	249850	20.51	ug/l	99
28) Bromochloromethane	5.93	49	201553	20.96	ug/l	95
29) Tetrahydrofuran	5.96	42	271986	107.47	ug/l	99
30) Chloroform	6.11	83	425118	20.80	ug/l	99
31) Cyclohexane	6.38	56	384283	21.01	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	367932	21.22	ug/l	98
36) 1,1-Dichloropropene	6.54	75	308443	21.90	ug/l	98
37) Ethyl Acetate	5.70	43	249604	22.08	ug/l	98
38) Carbon Tetrachloride	6.51	117	304599	21.33	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	327689	21.07	ug/l	97
40) Benzene	6.80	78	800742	21.69	ug/l	99
41) Methacrylonitrile	5.92	41	116389m	11.47	ug/l	
42) 1,2-Dichloroethane	6.90	62	259525	21.55	ug/l	99
43) Isopropyl Acetate	8.36	43	318533	21.44	ug/l	97
44) Trichloroethene	7.76	130	230775	21.28	ug/l	99
45) 1,2-Dichloropropane	8.11	63	220640	21.11	ug/l	97
46) Dibromomethane	8.23	93	140648	21.00	ug/l	97
47) Bromodichloromethane	8.50	83	330968	21.86	ug/l	98
48) Methyl methacrylate	8.26	41	183216	21.91	ug/l	98
49) 1,4-Dioxane	8.24	88	33046	433.41	ug/l	95
51) 4-Methyl-2-Pentanone	9.35	43	1296917	125.63	ug/l	97
52) Toluene	9.56	92	506786	21.33	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	304486	21.67	ug/l	94
54) cis-1,3-Dichloropropene	9.11	75	350388	21.42	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	181428	20.97	ug/l	98
56) Ethyl methacrylate	10.04	69	219828	21.36	ug/l	97
57) 1,3-Dichloropropane	10.39	76	277342	21.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.94	63	511637	104.30	ug/l	98
59) 2-Hexanone	10.50	43	971683	129.79	ug/l	98
60) Dibromochloromethane	10.65	129	235717	21.39	ug/l	98
61) 1,2-Dibromoethane	10.77	107	190071	21.30	ug/l	96
64) Tetrachloroethene	10.26	164	215015	21.26	ug/l	98
65) Chlorobenzene	11.33	112	552738	21.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	209008	22.24	ug/l	99
67) Ethyl Benzene	11.44	91	982108	23.15	ug/l	98
68) m/p-Xylenes	11.57	106	737191	48.15	ug/l	96
69) o-Xylene	11.95	106	348234	23.17	ug/l	99
70) Styrene	11.97	104	602703	23.08	ug/l	98
71) Bromoform	12.12	173	175022	20.99	ug/l	98
73) Isopropylbenzene	12.28	105	947978	21.12	ug/l	99
74) N-amyl acetate	12.14	43	418705	20.88	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	224790	21.79	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	229962	20.70	ug/l	100
77) Bromobenzene	12.55	156	262690	21.08	ug/l	95
78) n-propylbenzene	12.65	91	1219739	21.87	ug/l	99
79) 2-Chlorotoluene	12.72	91	683302	21.50	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	766121	21.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	72591	21.22	ug/l	95
82) 4-Chlorotoluene	12.82	91	808125	22.78	ug/l	99
83) tert-Butylbenzene	13.06	119	874457	21.56	ug/l	100
84) 1,2,4-Trimethylbenzene	13.10	105	783509	21.32	ug/l	98
85) sec-Butylbenzene	13.23	105	980582	20.64	ug/l	99
86) p-Isopropyltoluene	13.35	119	839432	21.84	ug/l	99
87) 1,3-Dichlorobenzene	13.33	146	469816	21.24	ug/l	100
88) 1,4-Dichlorobenzene	13.40	146	473093	21.44	ug/l	99
89) n-Butylbenzene	13.66	91	896363	23.74	ug/l	99
90) Hexachloroethane	13.87	117	218199	20.85	ug/l	98
91) 1,2-Dichlorobenzene	13.67	146	424279	23.01	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	34770	21.36	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	346974	21.92	ug/l	99
94) Hexachlorobutadiene	14.89	225	228959	21.80	ug/l	98
95) Naphthalene	14.98	128	533763	21.24	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	293295	21.12	ug/l	99

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

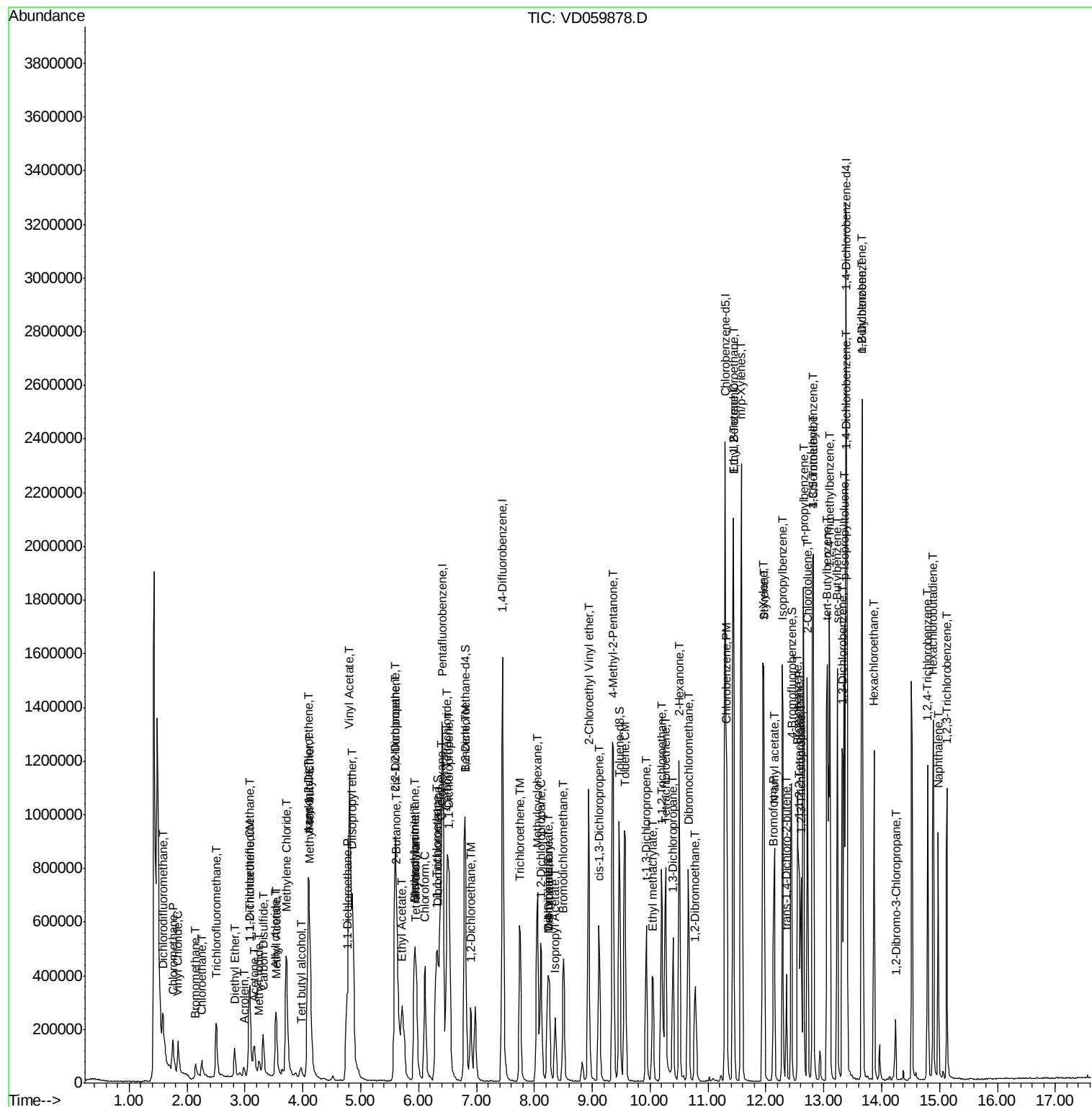
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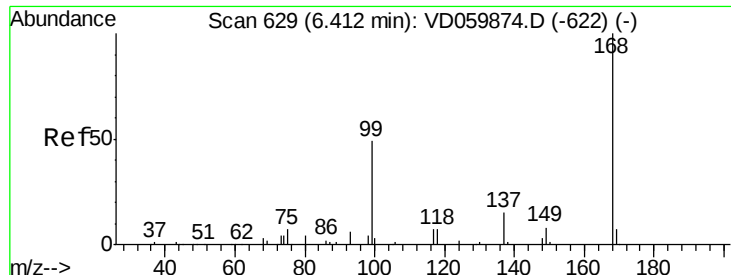
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 1165534

Ion Ratio Lower Upper

168 100

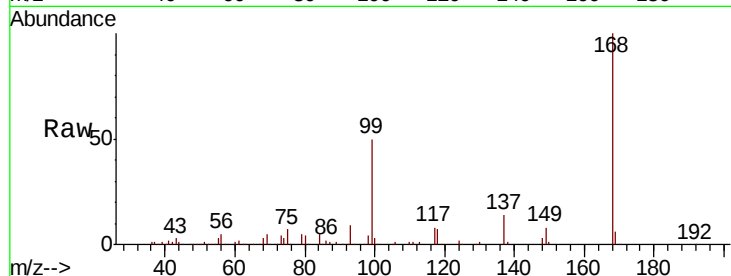
99 50.3 42.2 63.2

Manual Integrations

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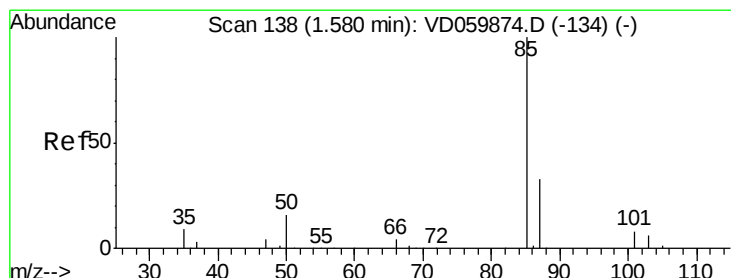
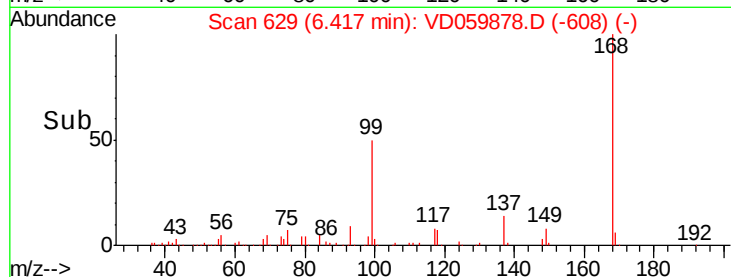
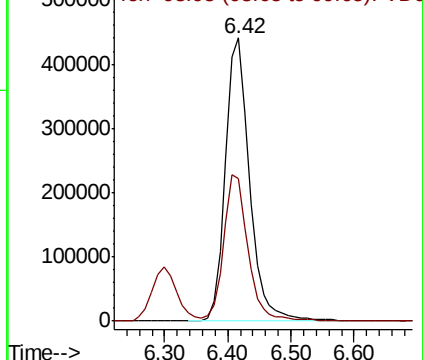
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.69 ug/l

RT: 1.59 min Scan# 138

Delta R.T. 0.01 min

Lab File: VD059878.D

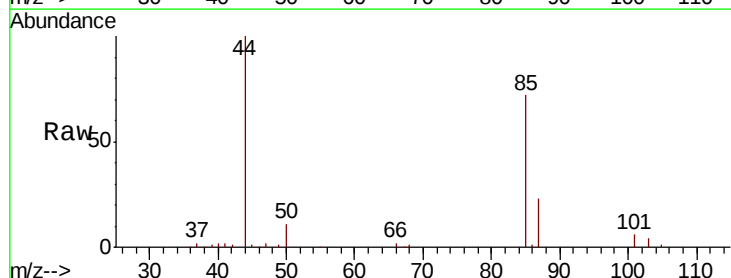
Acq: 22 Aug 2018 16:22

Tgt Ion: 85 Resp: 210276

Ion Ratio Lower Upper

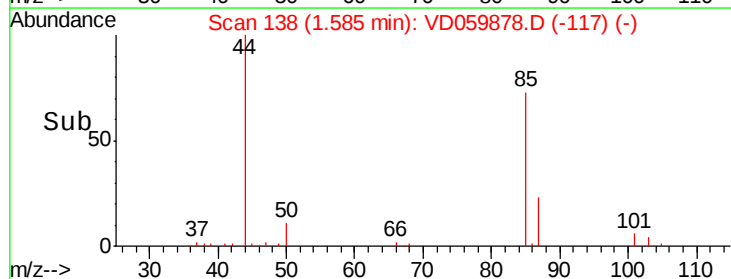
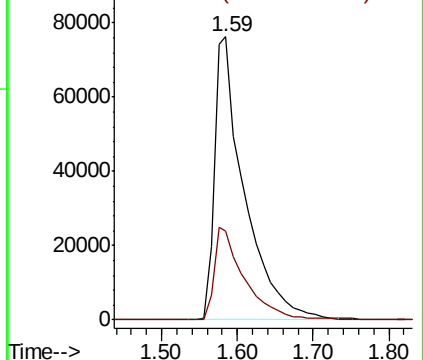
85 100

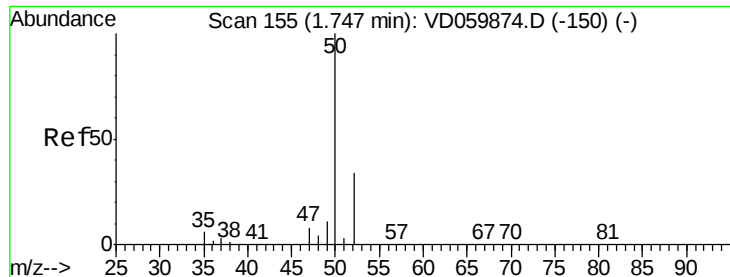
87 31.5 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





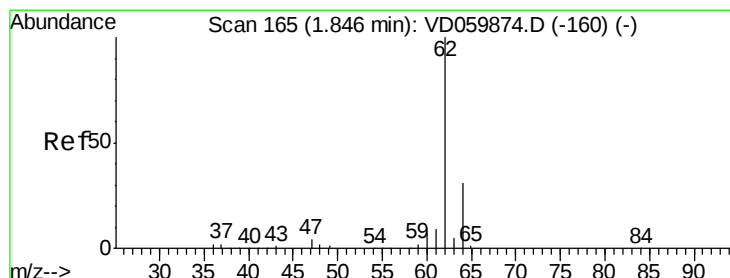
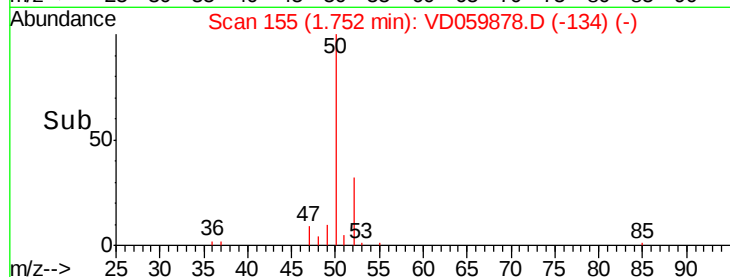
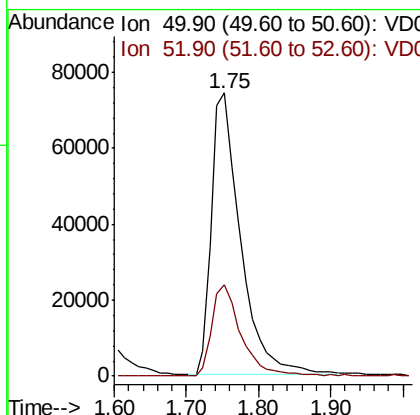
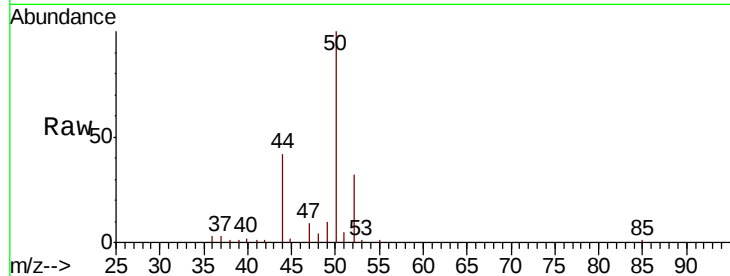
#3
Chloromethane
Concen: 22.10 ug/l
RT: 1.75 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
50	100		
52	32.4	27.0	40.6

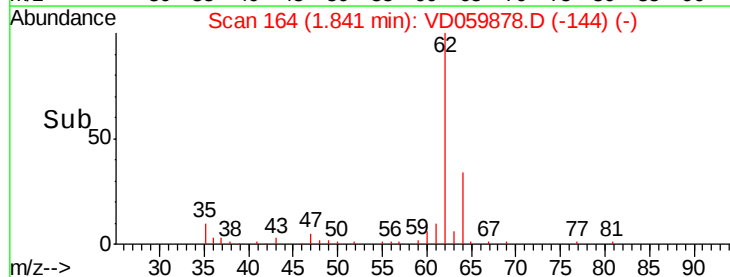
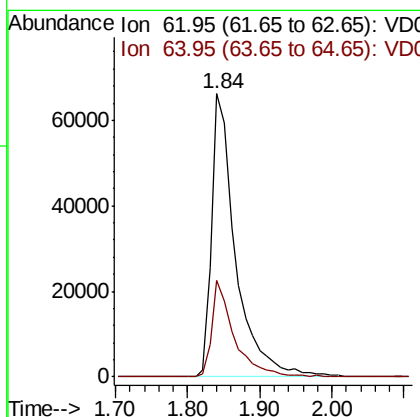
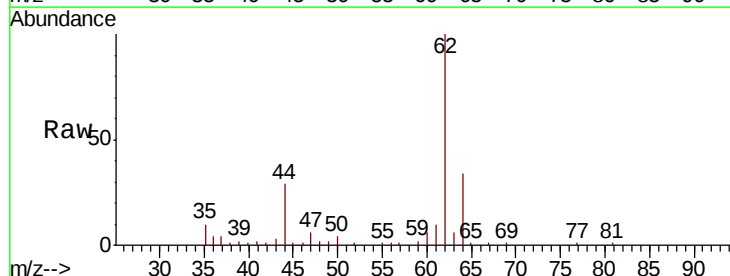
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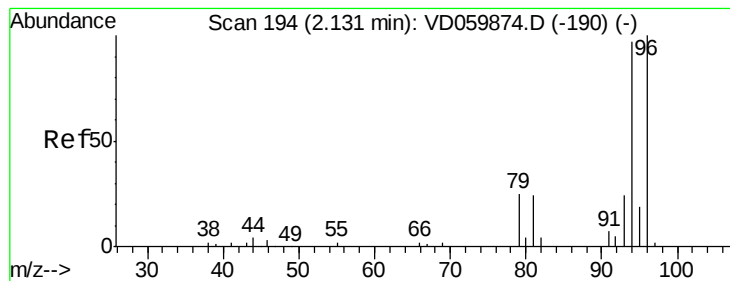
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#4
Vinyl Chloride
Concen: 20.53 ug/l
RT: 1.84 min Scan# 164
Delta R.T. -0.00 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
62	100		
64	34.2	25.0	37.6





#5

Bromomethane

Concen: 56.20 ug/l

RT: 2.15 min Scan# 195

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Tot Ion: 94 Resp: 48703

Ion Ratio Lower Upper

94 100

96 90.5 82.4 123.6

Instrument :

MSVOA_D

ClientSampleId :

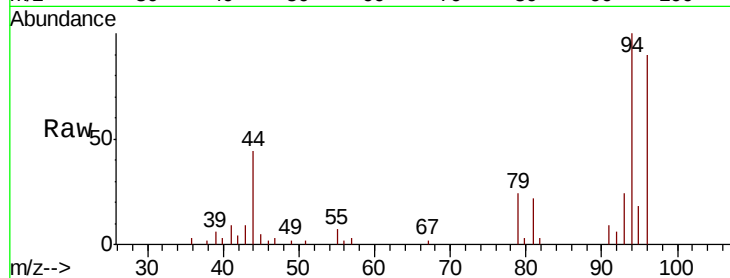
VSTDIC020

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.15

20000

15000

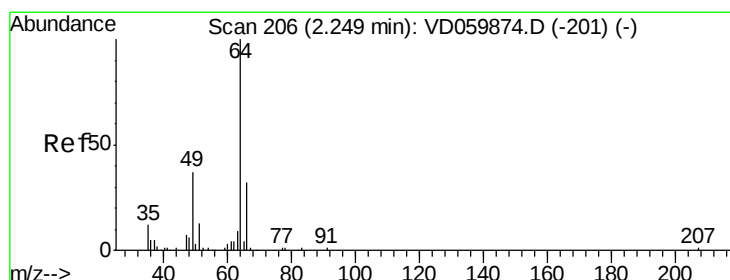
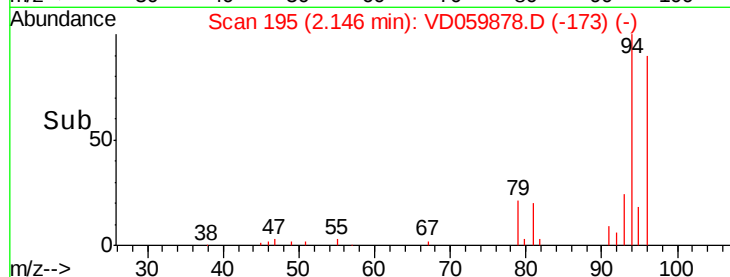
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Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 31.20 ug/l

RT: 2.25 min Scan# 206

Delta R.T. 0.01 min

Lab File: VD059878.D

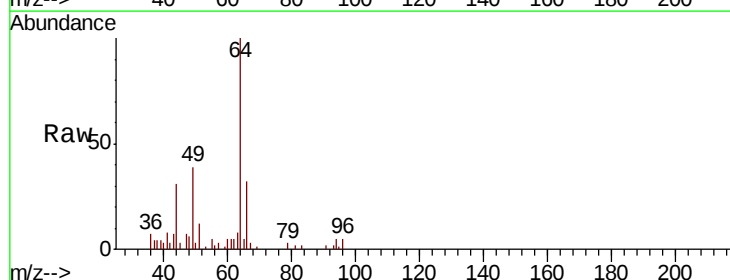
Acq: 22 Aug 2018 16:22

Tgt Ion: 64 Resp: 58433

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.25

30000

25000

20000

15000

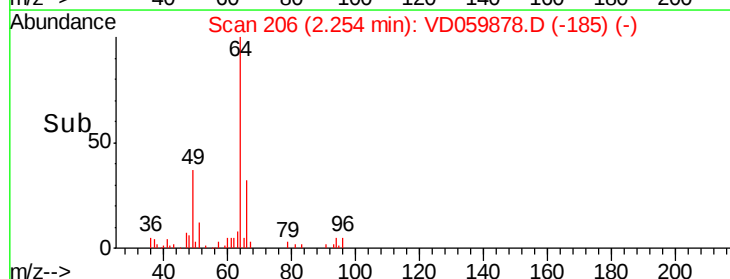
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Time-->

2.20 2.30 2.40





#7

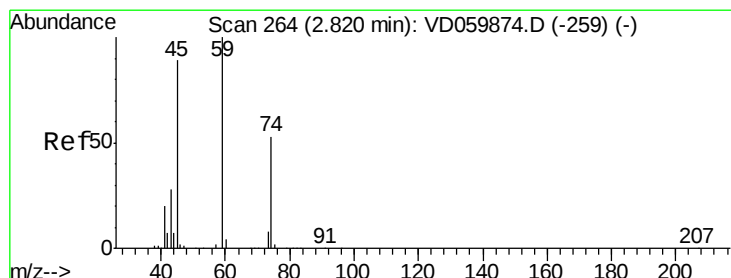
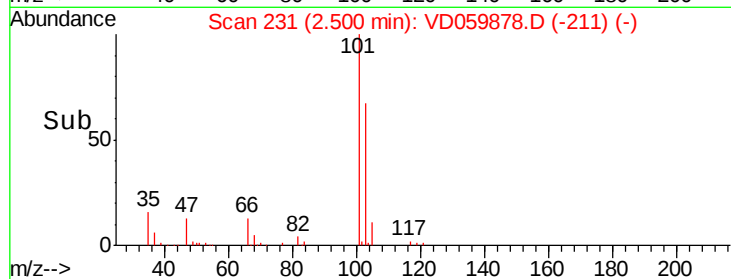
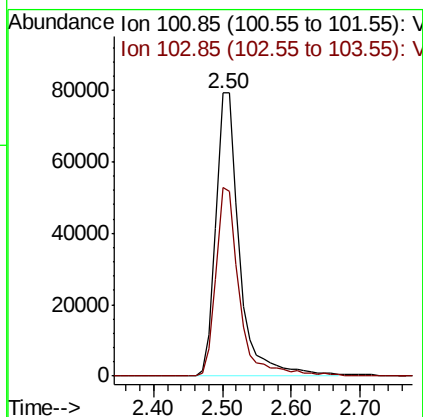
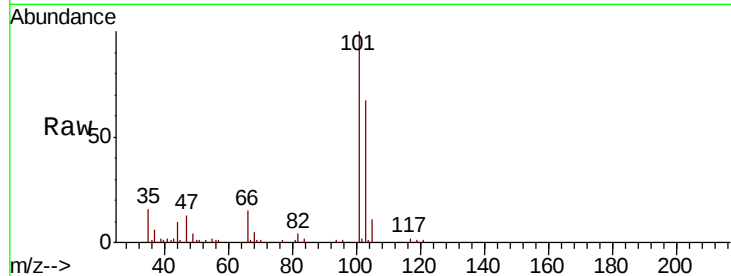
Trichlorofluoromethane
Concen: 23.67 ug/l
RT: 2.50 min Scan# 231
Delta R.T. -0.00 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	189307		
103	66.8	53.7	80.5	

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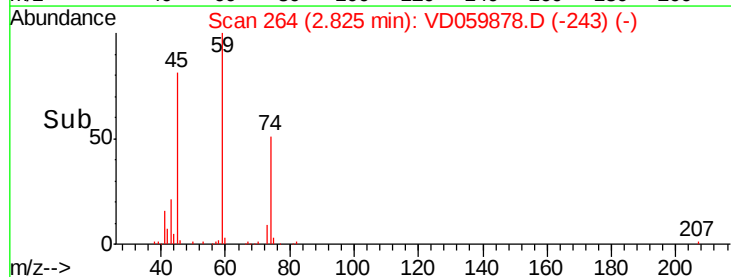
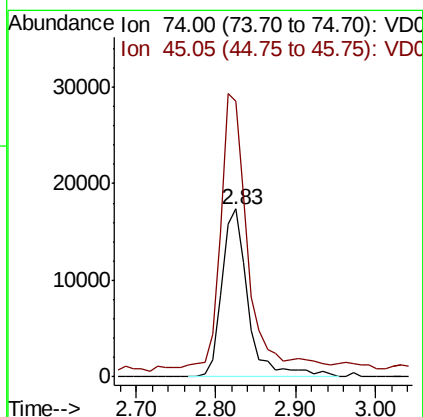
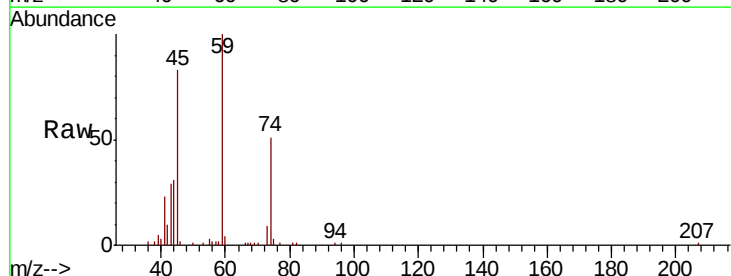
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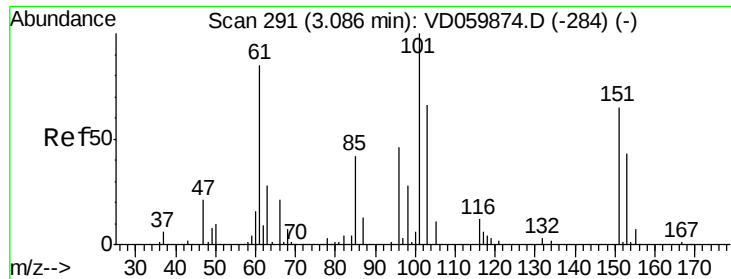


#8

Diethyl Ether
Concen: 22.19 ug/l
RT: 2.83 min Scan# 264
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	40614		
45	164.2	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.64 ug/l

RT: 3.08 min Scan# 290

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

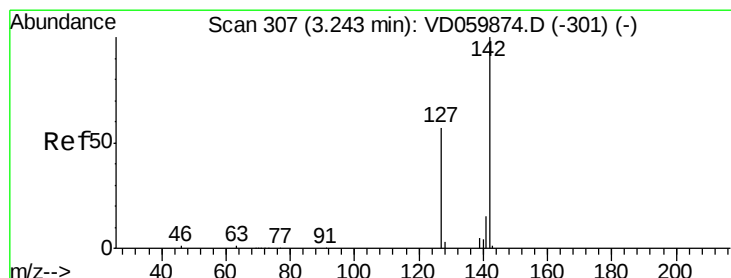
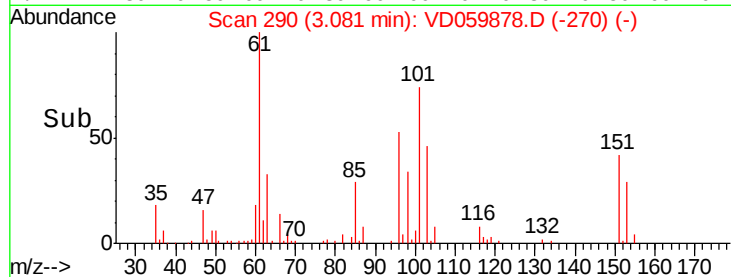
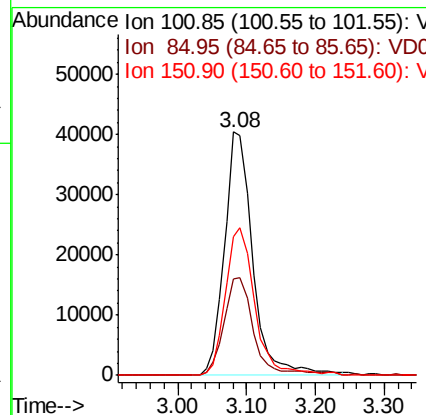
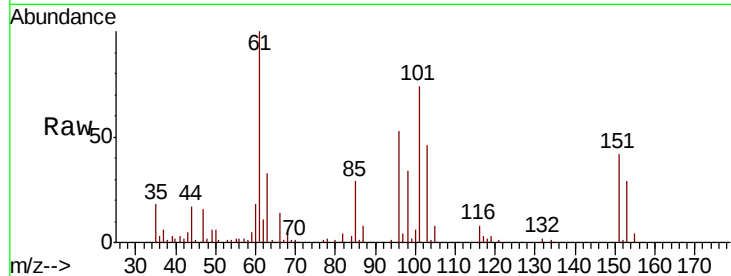
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	115223
Ion Ratio	Lower	Upper	
101	100		
85	39.5	33.6	50.4
151	57.0	52.0	78.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.48 ug/l

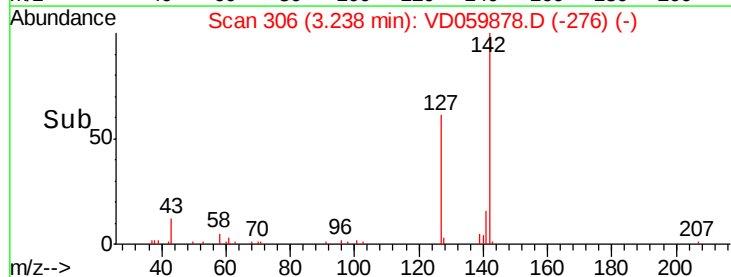
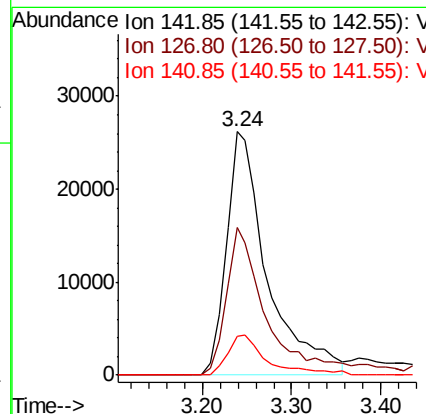
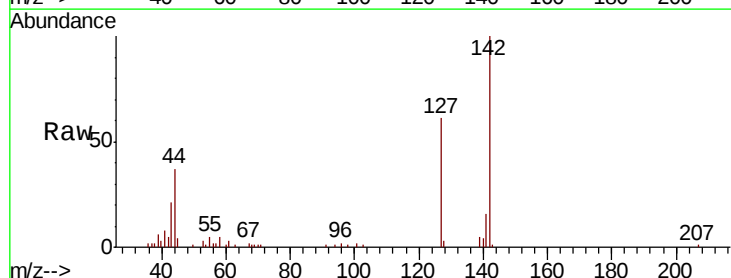
RT: 3.24 min Scan# 306

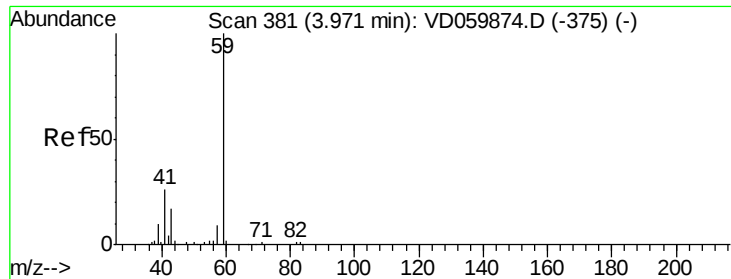
Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Tgt Ion:	142	Resp:	84072
Ion Ratio	Lower	Upper	
142	100		
127	60.5	45.8	68.6
141	15.9	11.6	17.4





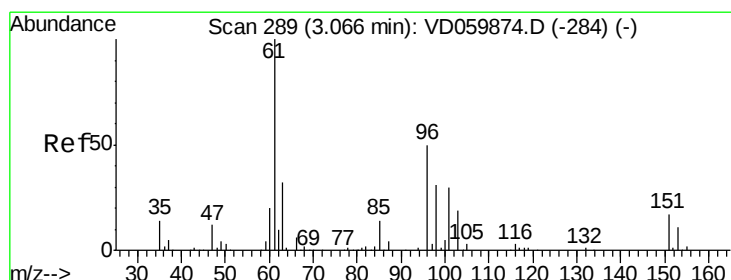
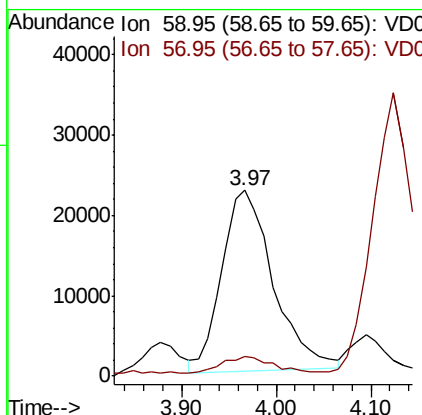
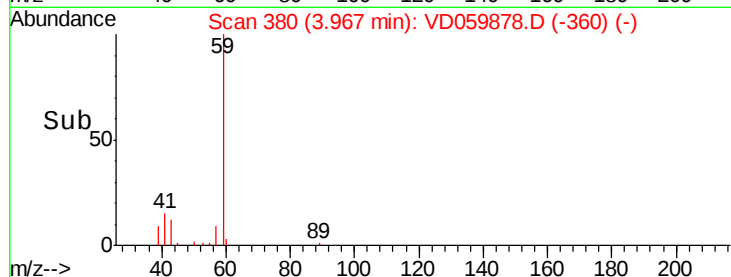
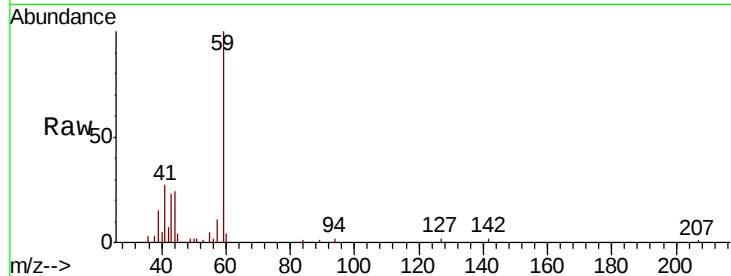
#11
Tert butyl alcohol
Concen: 111.82 ug/l
RT: 3.97 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 85356
Ion Ratio Lower Upper
59 100
57 10.7 7.4 11.0

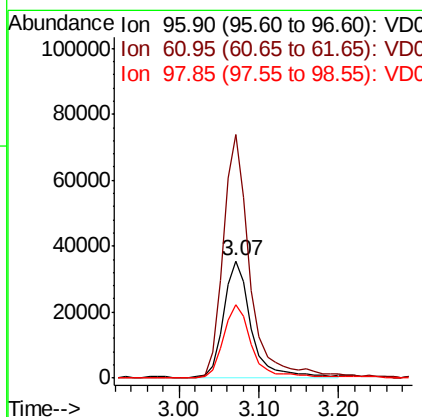
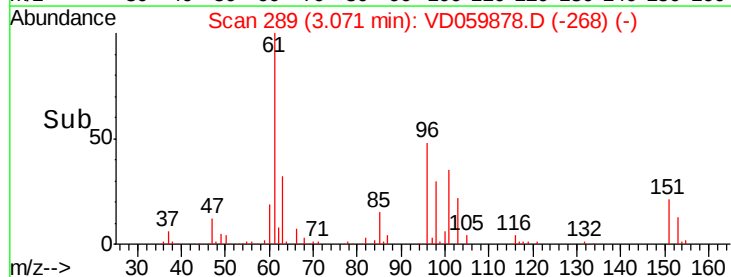
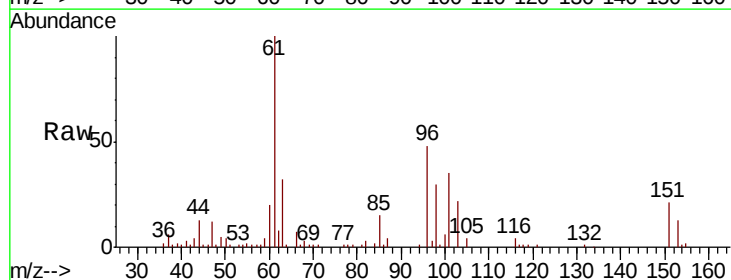
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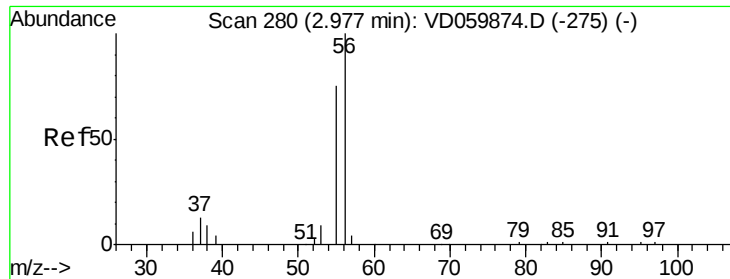
apatel
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#12
1,1-Dichloroethene
Concen: 22.64 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion: 96 Resp: 87725
Ion Ratio Lower Upper
96 100
61 207.5 158.8 238.2
98 62.3 48.7 73.1





#13

Acrolein

Concen: 114.72 ug/l

RT: 2.98 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 34733

Ion Ratio Lower Upper

56 100

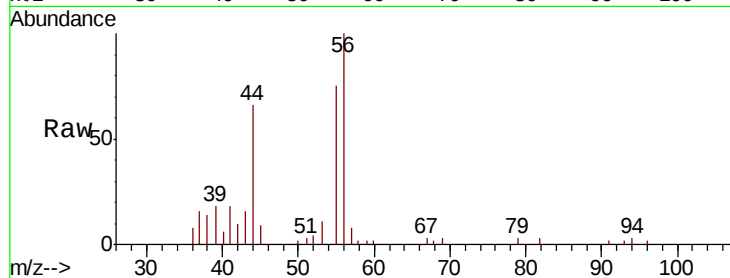
55 75.1 61.9 92.9

Manual Integrations

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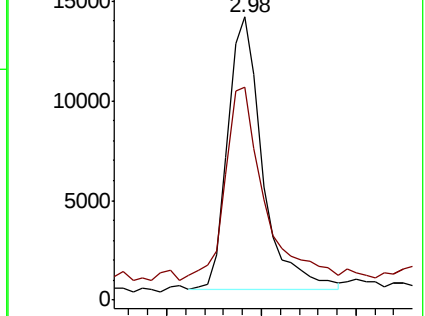
apatel

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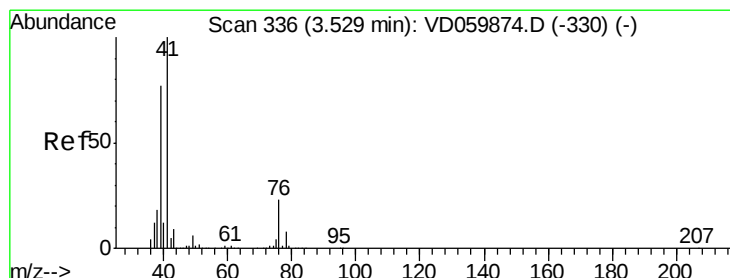
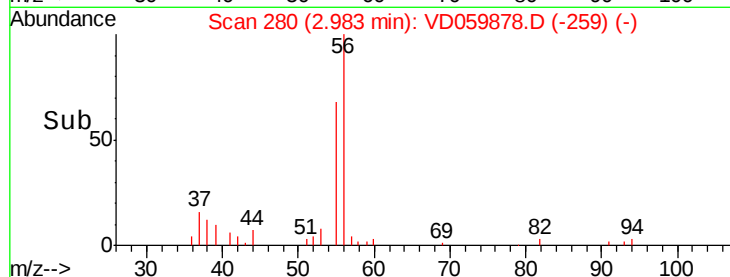


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#14

Allyl chloride

Concen: 21.68 ug/l

RT: 3.53 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

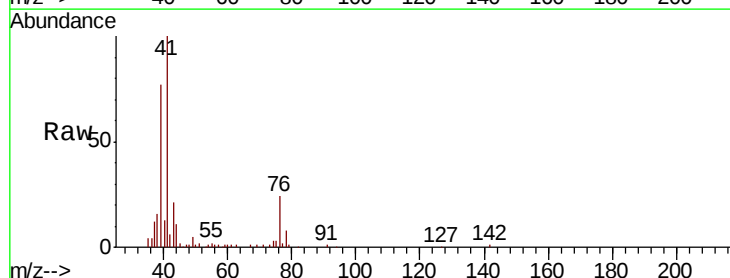
Tgt Ion: 41 Resp: 197814

Ion Ratio Lower Upper

41 100

39 76.6 61.8 92.6

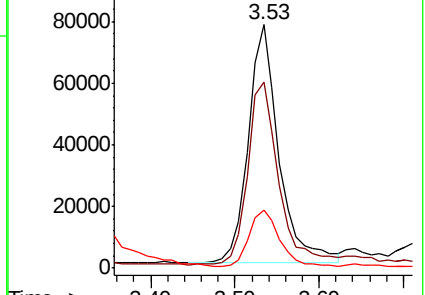
76 23.9 19.4 29.2



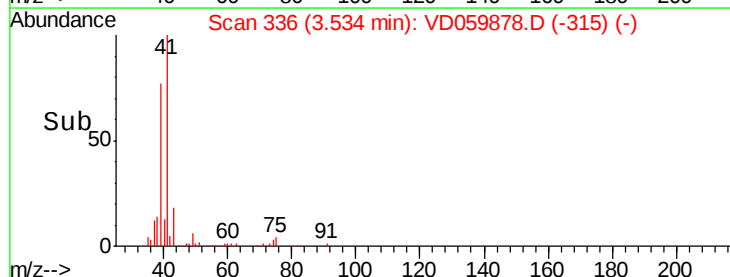
Abundance Ion 41.05 (40.75 to 41.75): VDC

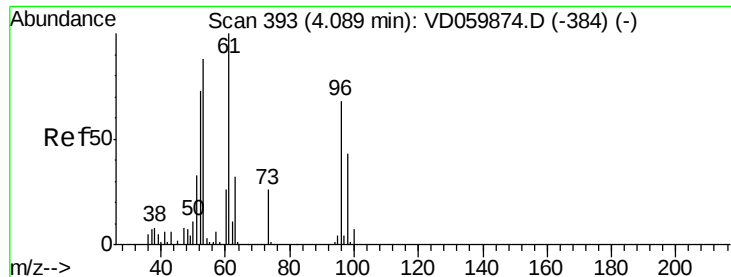
Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC



Time-->





#15

Acrylonitrile

Concen: 109.46 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

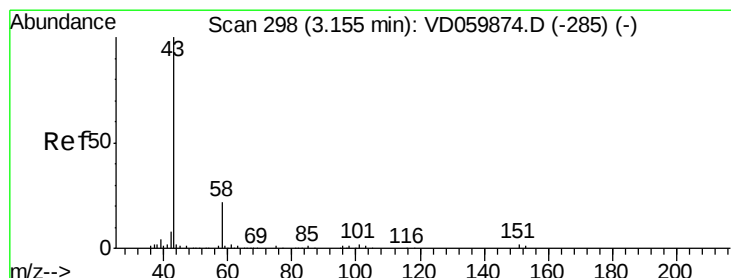
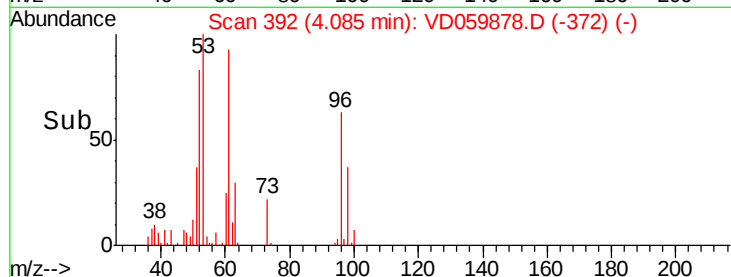
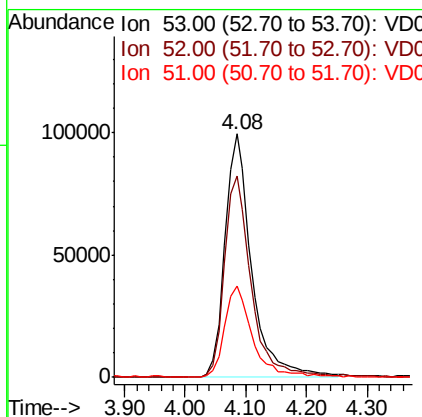
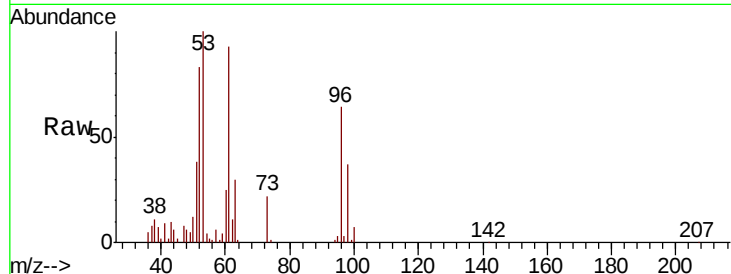
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	304916
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.9	100.3
51	37.6	30.3	45.5

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#16

Acetone

Concen: 124.70 ug/l

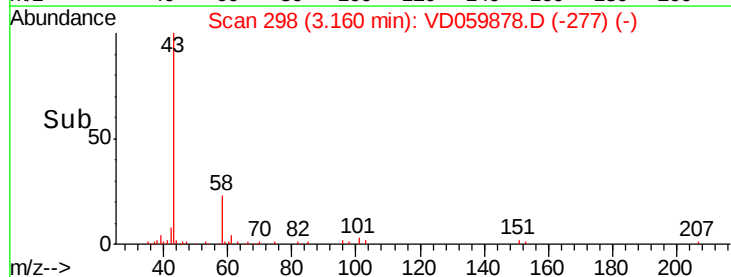
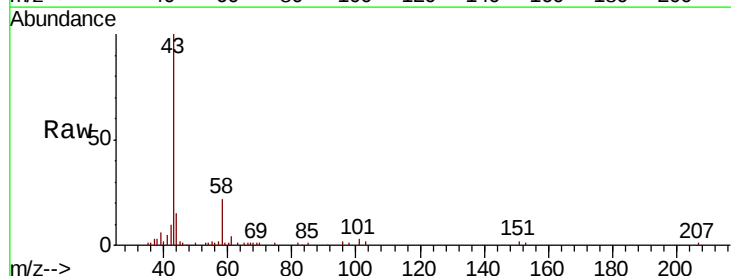
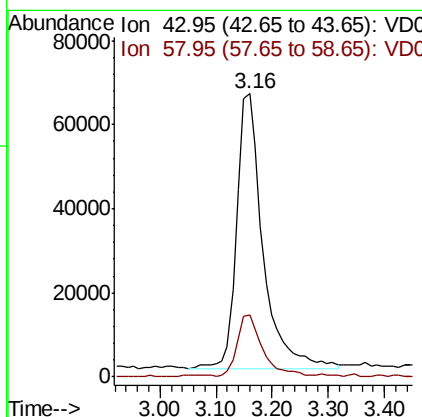
RT: 3.16 min Scan# 298

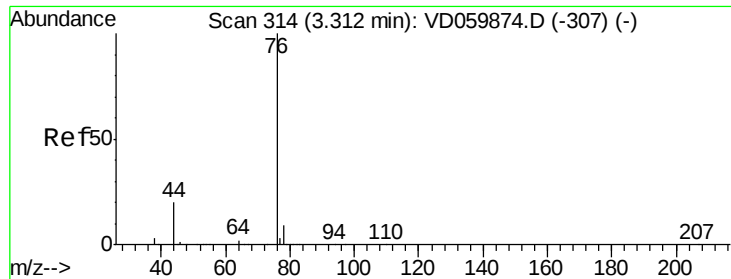
Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Tgt Ion:	43	Resp:	211772
Ion	Ratio	Lower	Upper
43	100		
58	21.7	17.6	26.4





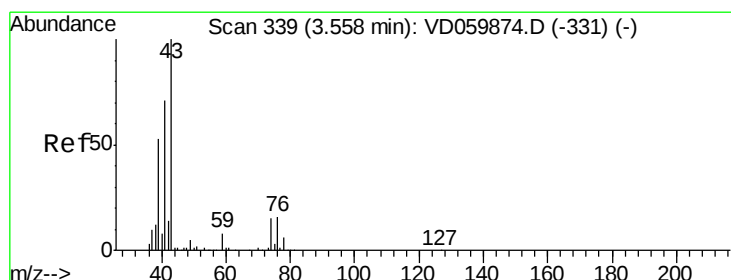
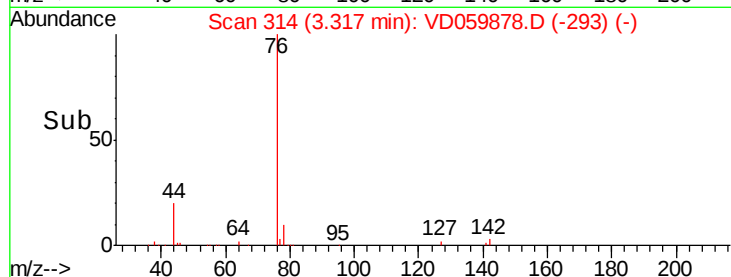
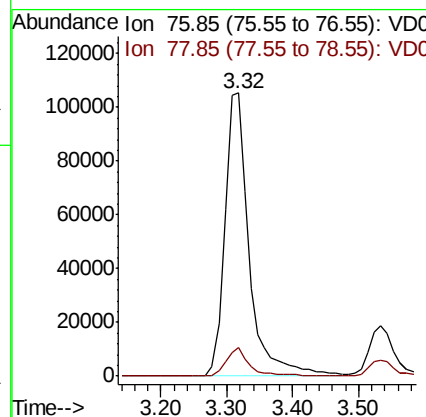
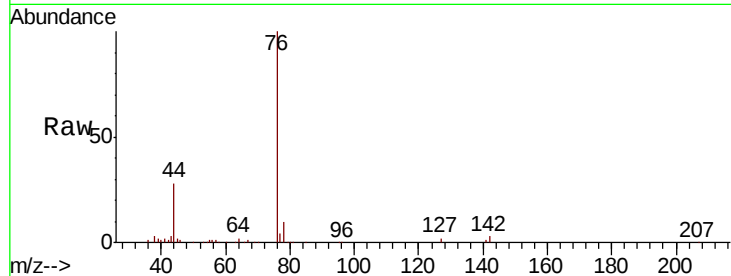
#17
Carbon Disulfide
Concen: 22.48 ug/l
RT: 3.32 min Scan# 314
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.4	11.2

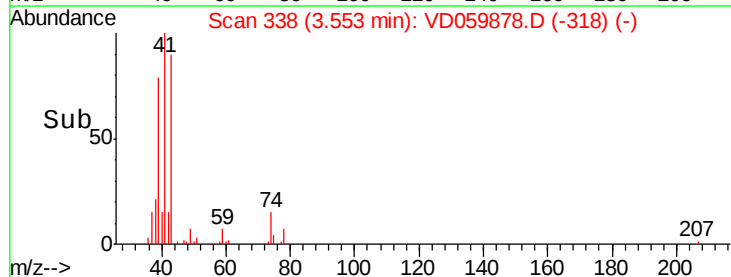
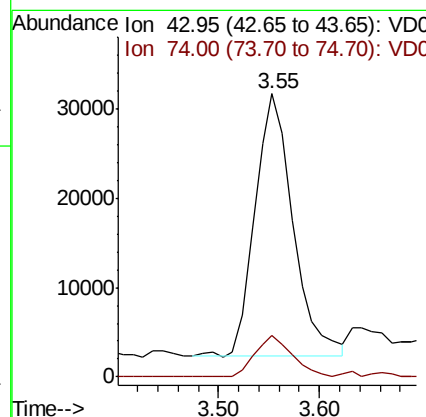
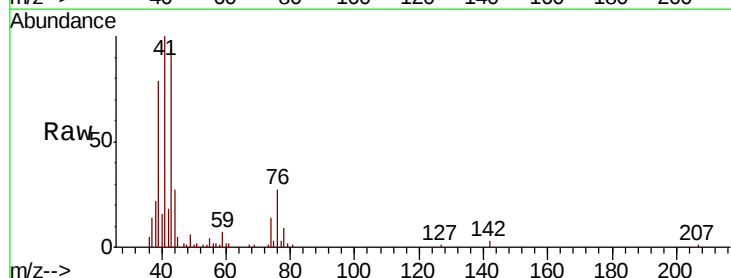
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#18
Methyl Acetate
Concen: 20.56 ug/l
RT: 3.55 min Scan# 338
Delta R.T. -0.00 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.8	11.2	16.8





#19

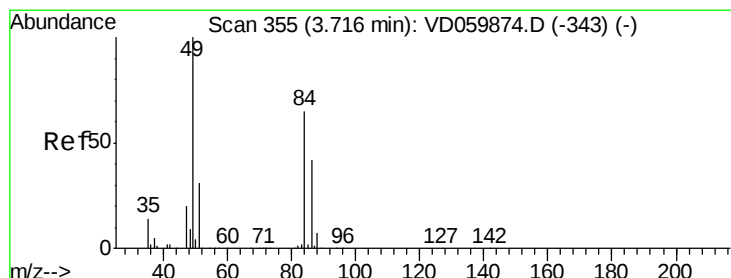
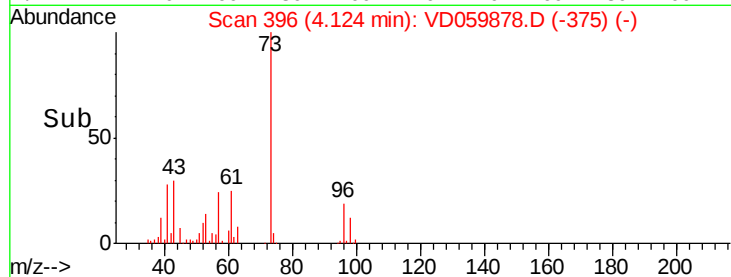
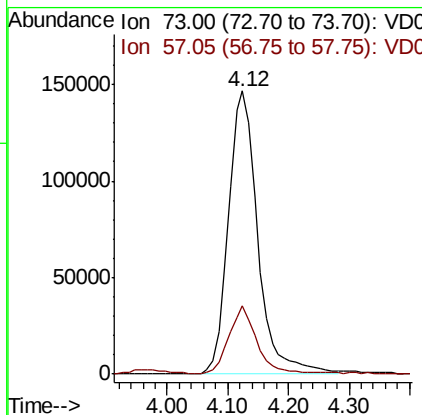
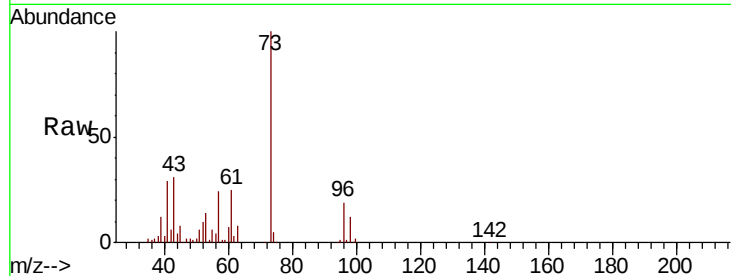
Methyl tert-butyl Ether
 Concen: 21.33 ug/l
 RT: 4.12 min Scan# 396
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	17.9	26.9

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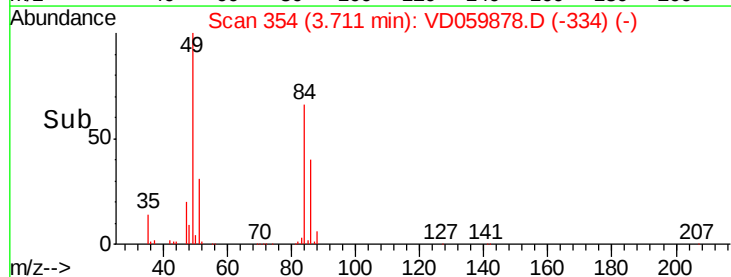
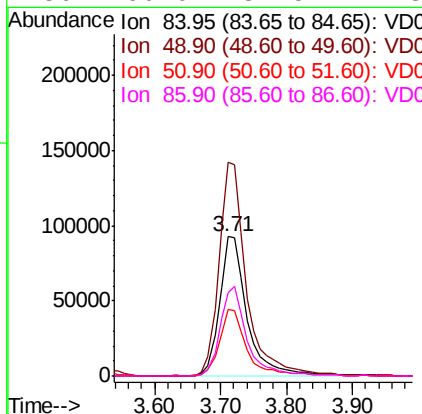
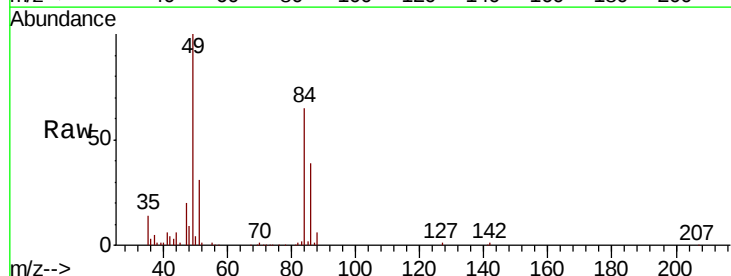
apatel
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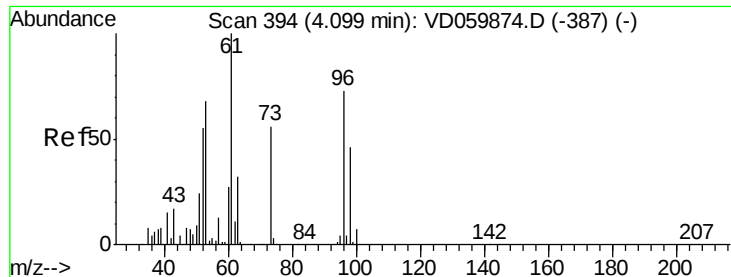


#20

Methylene Chloride
 Concen: 19.39 ug/l
 RT: 3.71 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.3	122.6	183.8
51	47.3	38.4	57.6
86	60.0	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 21.38 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

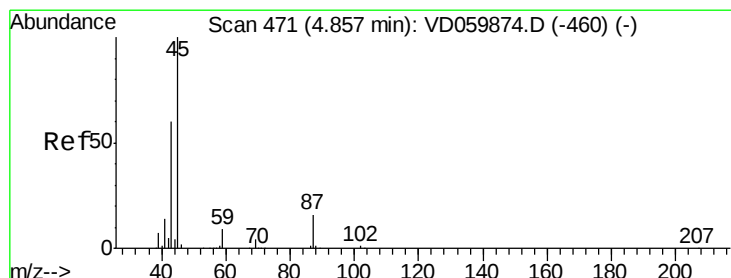
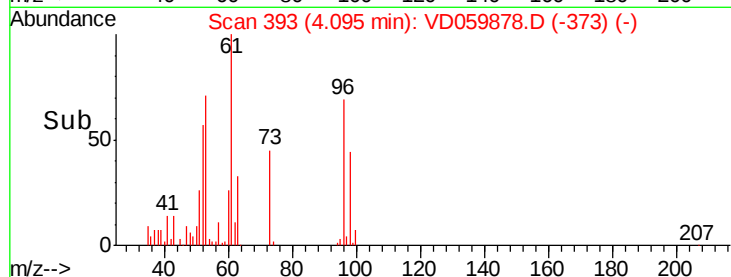
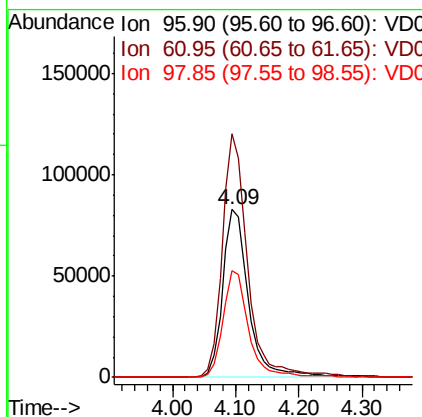
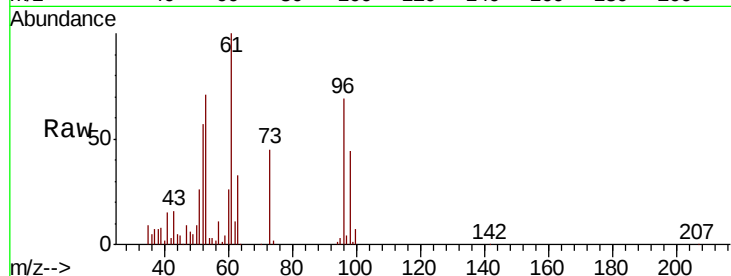
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	234670
Ion	Ratio	Lower	Upper
96	100		
61	144.9	110.2	165.4
98	63.7	50.9	76.3

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#22

Diisopropyl ether

Concen: 21.07 ug/l

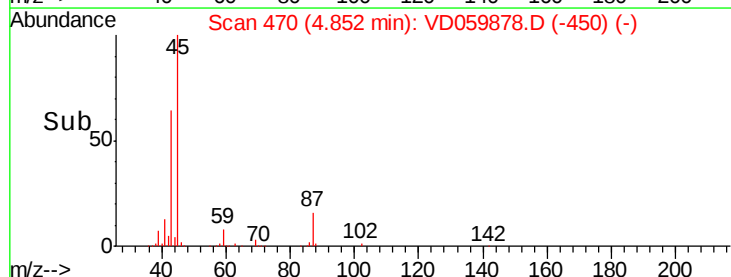
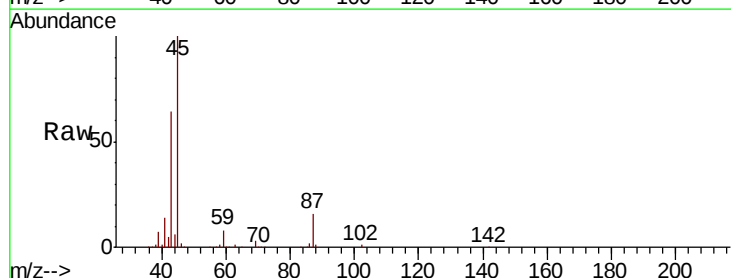
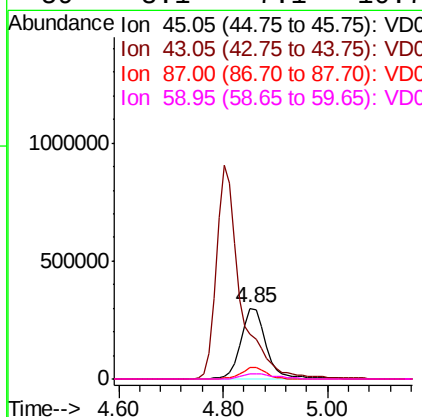
RT: 4.85 min Scan# 470

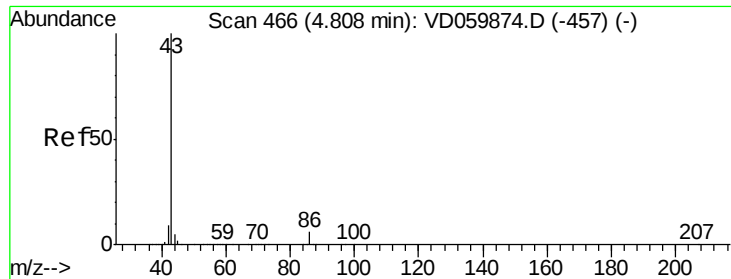
Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Tgt Ion:	45	Resp:	978334
Ion	Ratio	Lower	Upper
45	100		
43	63.8	48.6	72.8
87	15.6	13.3	19.9
59	8.1	7.1	10.7





#23

Vinyl Acetate

Concen: 110.28 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 2853714

Ion Ratio Lower Upper

43 100

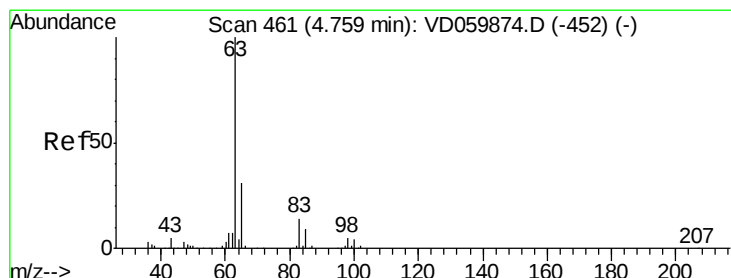
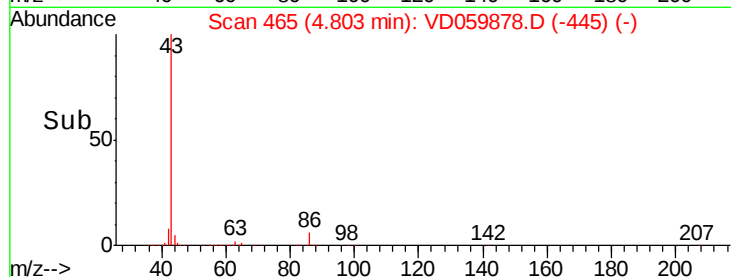
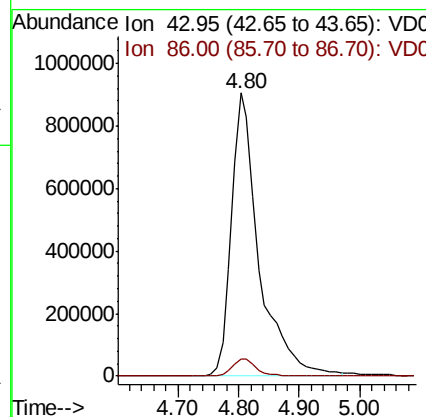
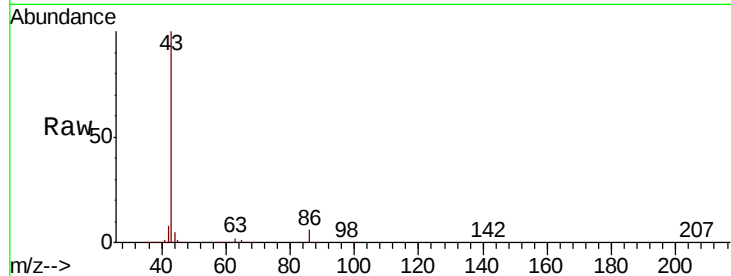
86 6.2 5.0 7.6

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#24

1,1-Dichloroethane

Concen: 21.19 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

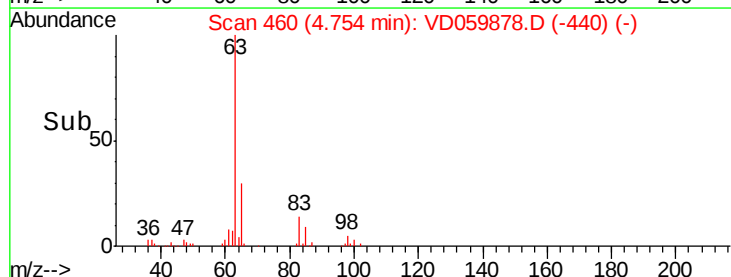
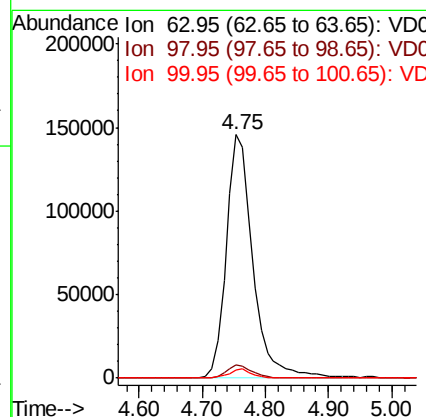
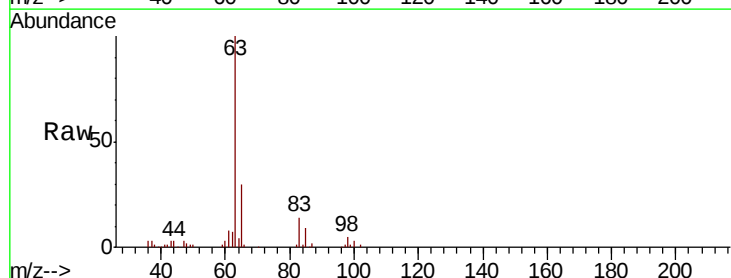
Tgt Ion: 63 Resp: 424251

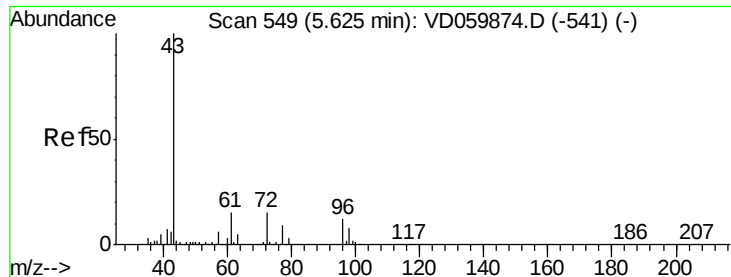
Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

100 3.1 1.8 5.3





#25

2-Butanone

Concen: 118.68 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 601934

Ion Ratio Lower Upper

43 100

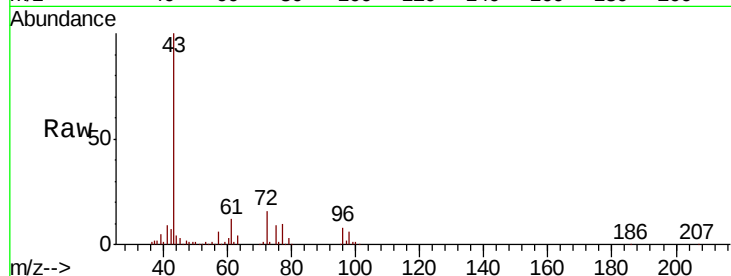
72 16.2 12.3 18.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

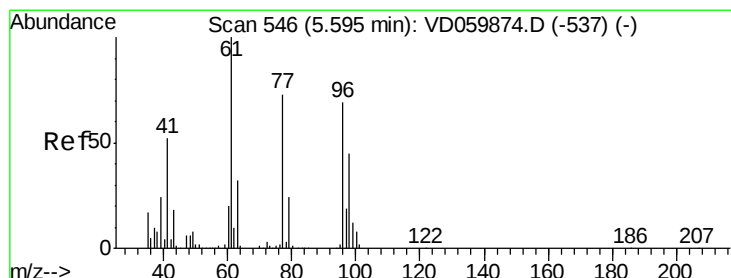
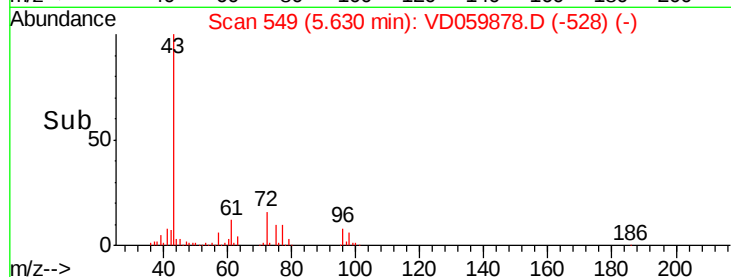
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 21.21 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD059878.D

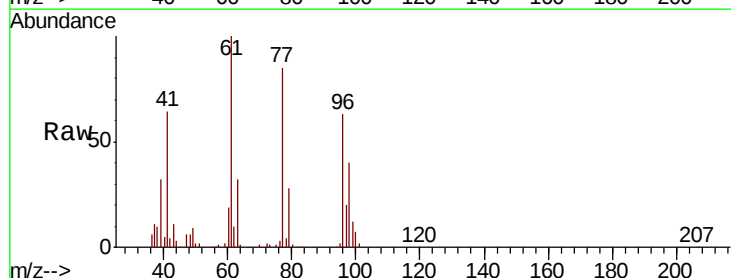
Acq: 22 Aug 2018 16:22

Tgt Ion: 77 Resp: 346937

Ion Ratio Lower Upper

77 100

97 23.1 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

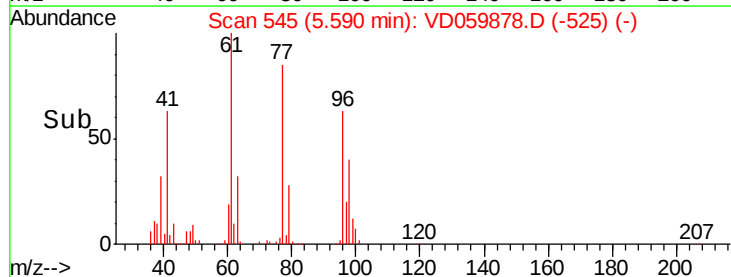
100000

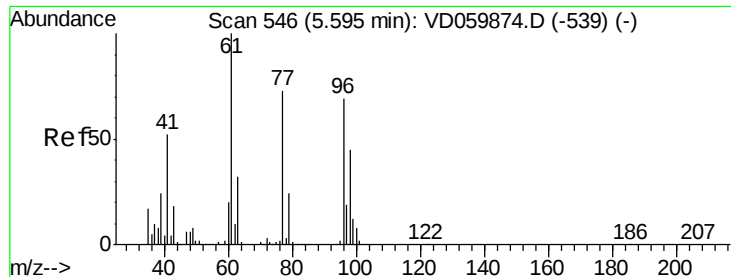
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

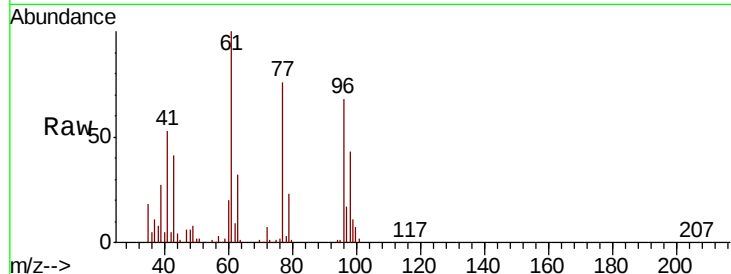
cis-1,2-Dichloroethene
Concen: 20.51 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	249850		
61	146.5	0.0	290.2	
98	63.5	0.0	130.4	

Manual Integrations
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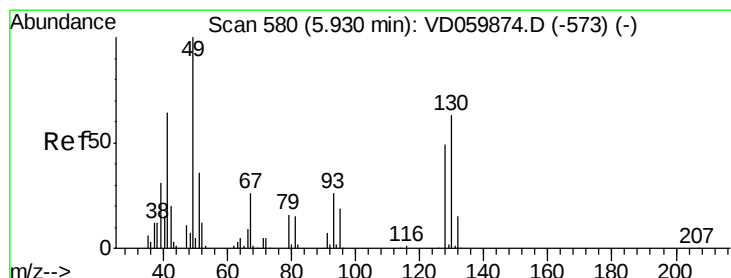
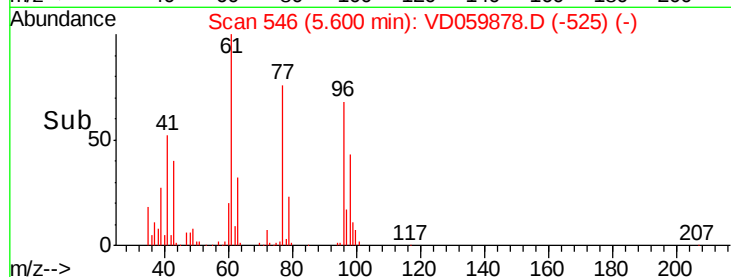
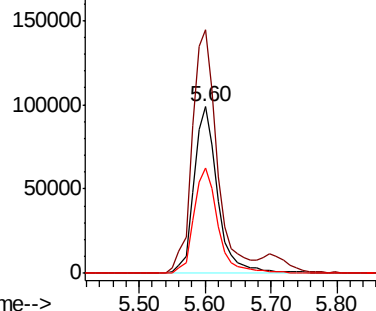


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

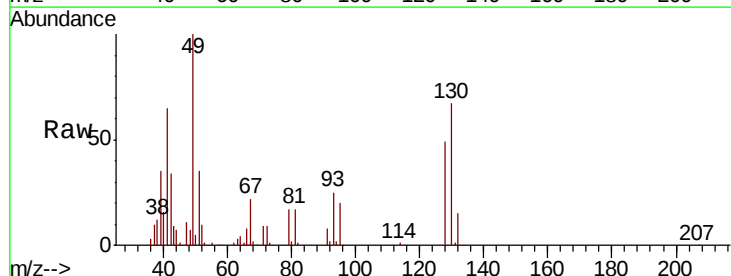
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
Concen: 20.96 ug/l
RT: 5.93 min Scan# 580
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	201553		
129	0.0	0.0	3.2	
130	66.8	50.6	75.8	

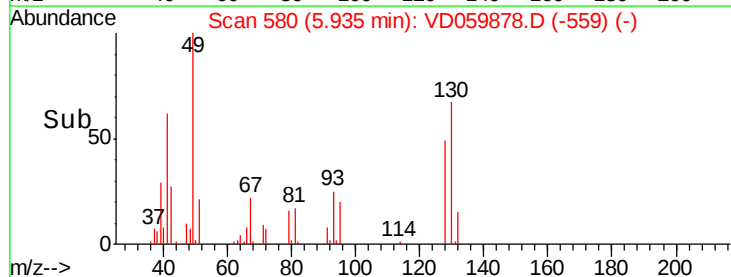
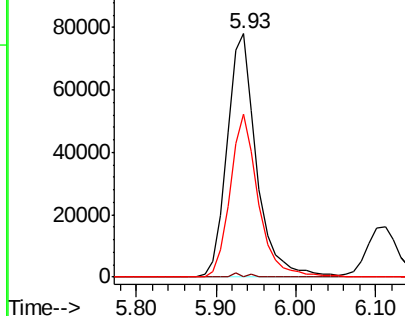


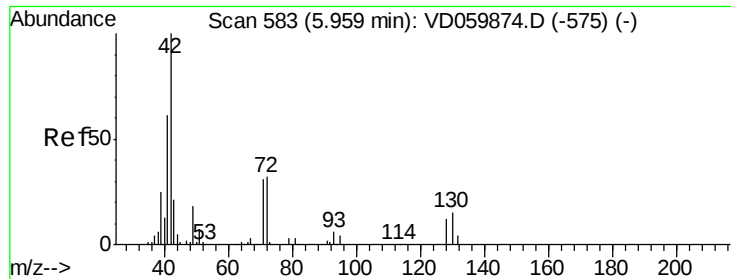
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





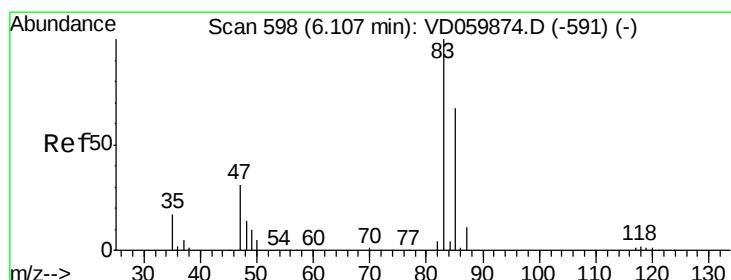
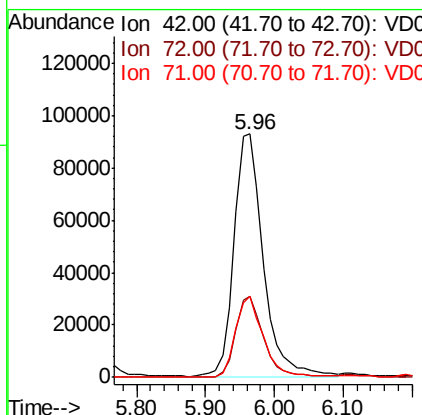
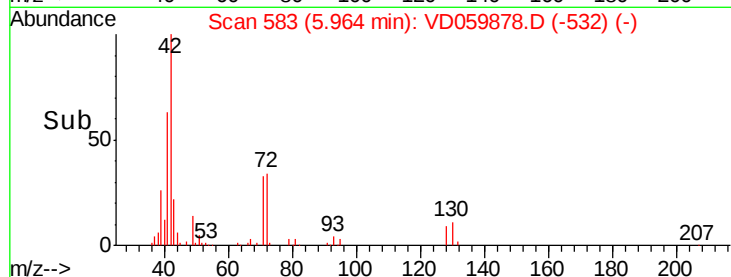
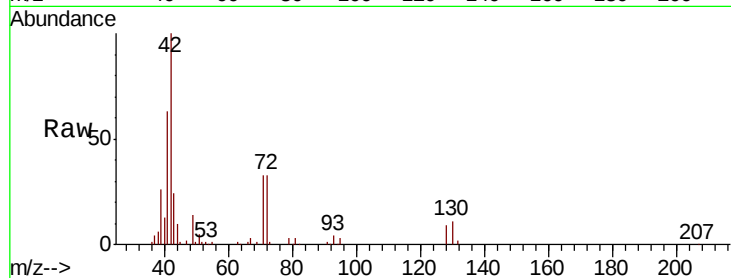
#29
Tetrahydrofuran
Concen: 107.47 ug/l
RT: 5.96 min Scan# 583
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.8	25.7	38.5
71	31.9	25.3	37.9

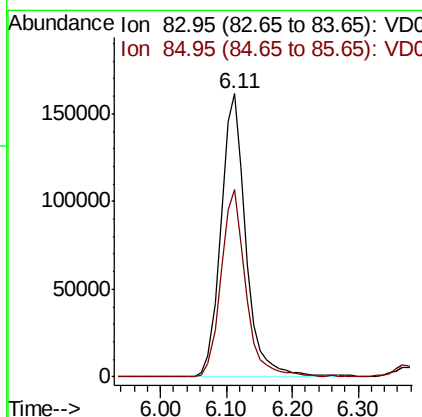
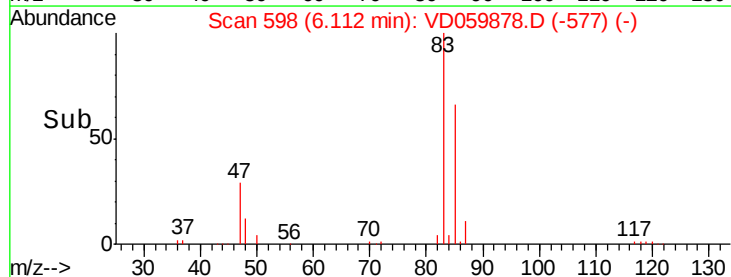
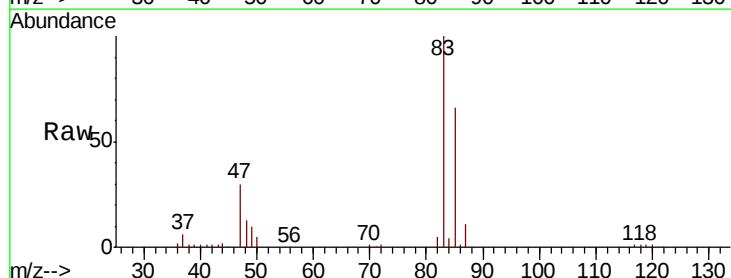
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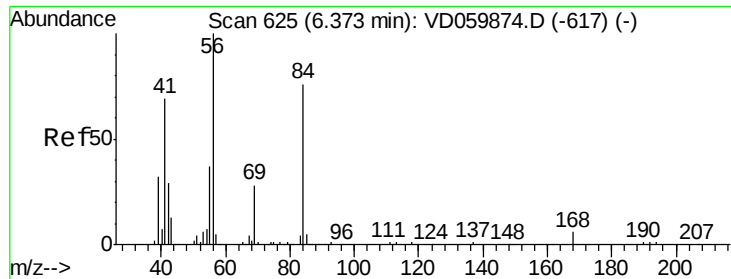
apatel
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#30
Chloroform
Concen: 20.80 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.5	80.3





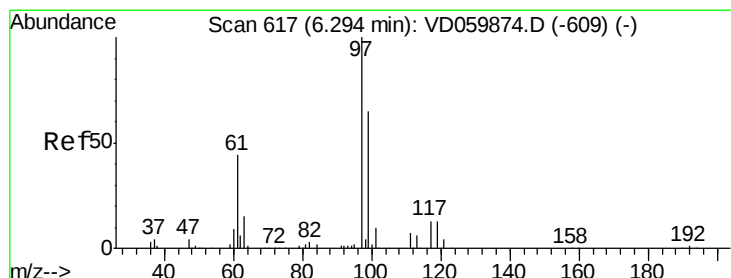
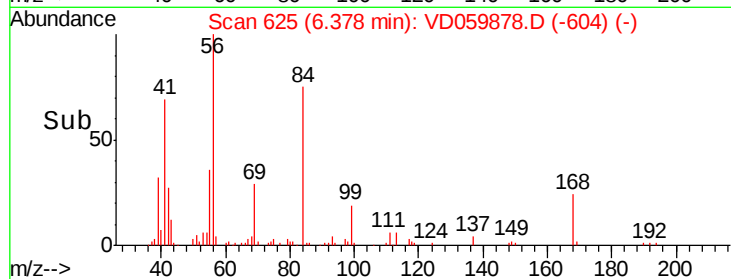
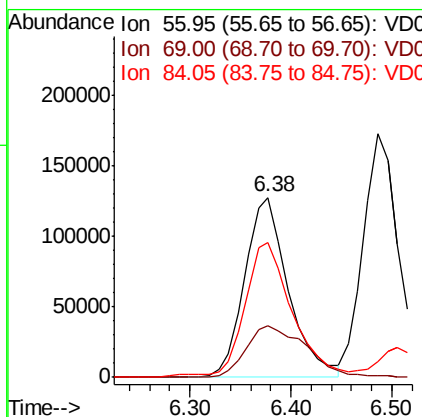
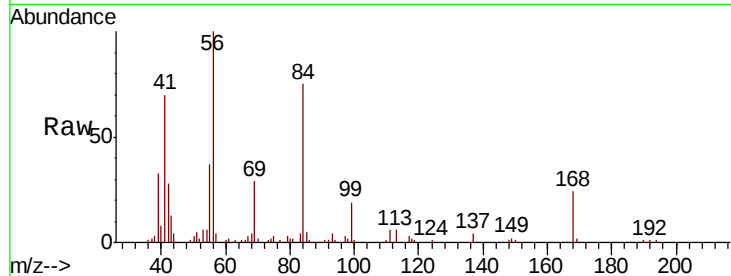
#31
Cyclohexane
Concen: 21.01 ug/l
RT: 6.38 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.4	33.6
84	75.1	62.1	93.1

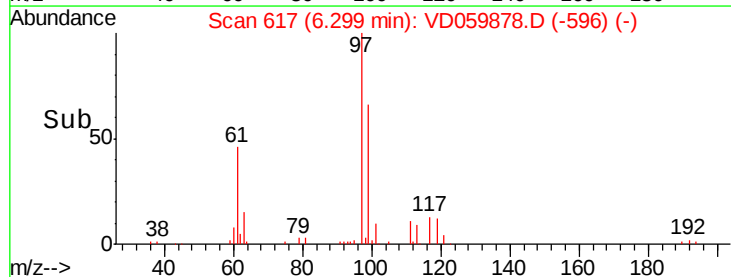
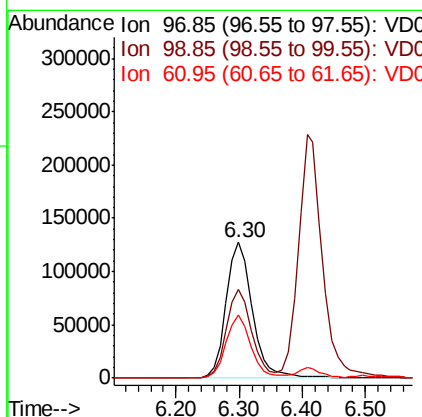
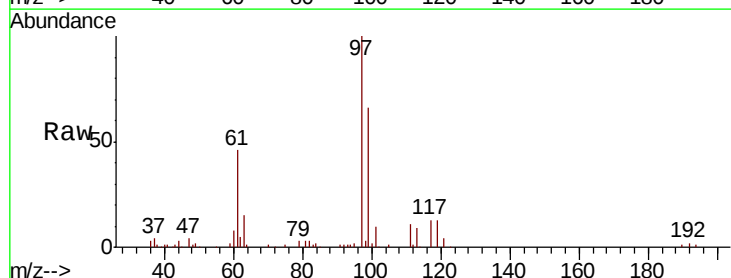
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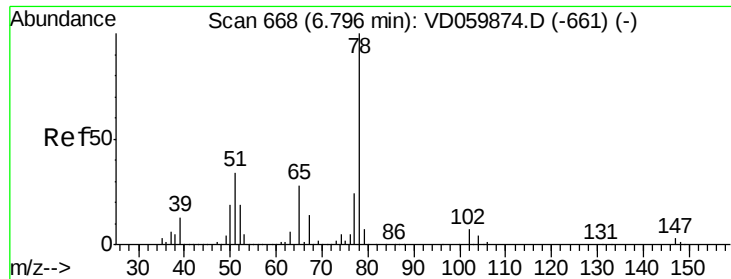
apatel
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#32
1,1,1-Trichloroethane
Concen: 21.22 ug/l
RT: 6.30 min Scan# 617
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.7	77.5
61	46.4	35.4	53.2





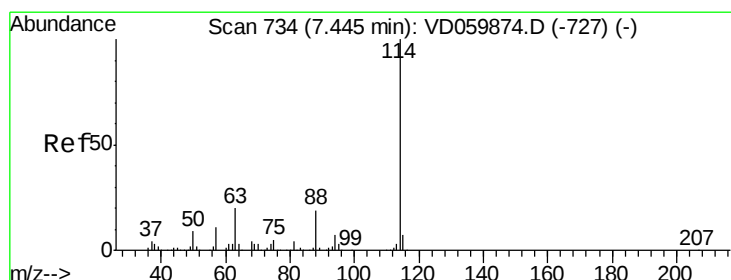
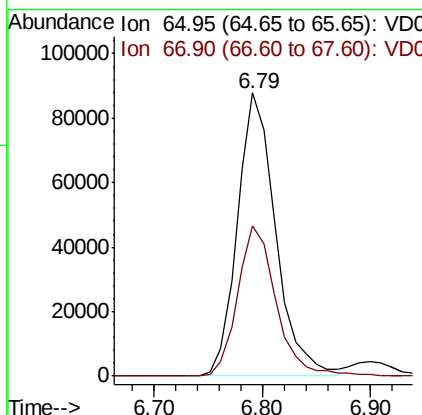
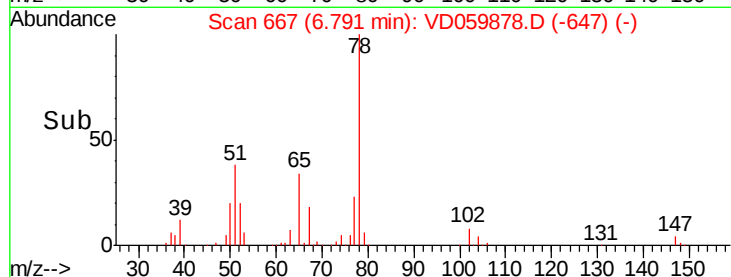
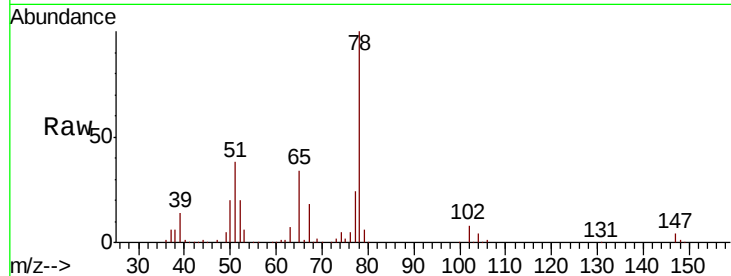
#33
 1,2-Dichloroethane-d4
 Concen: 21.22 ug/l
 RT: 6.79 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215331		
67	52.9	0.0	103.8	

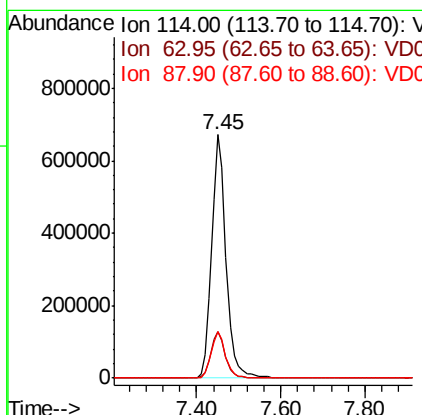
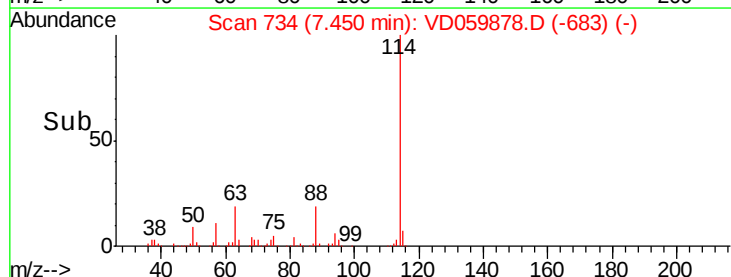
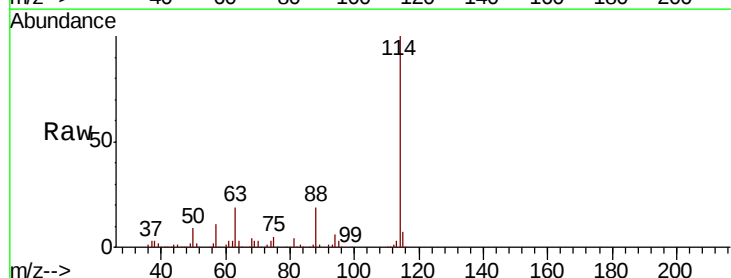
Manual Integrations
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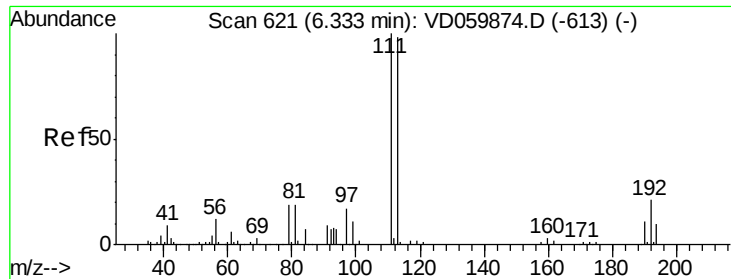
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1588428		
63	19.1	0.0	39.4	
88	19.2	0.0	37.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.33 min Scan# 620

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

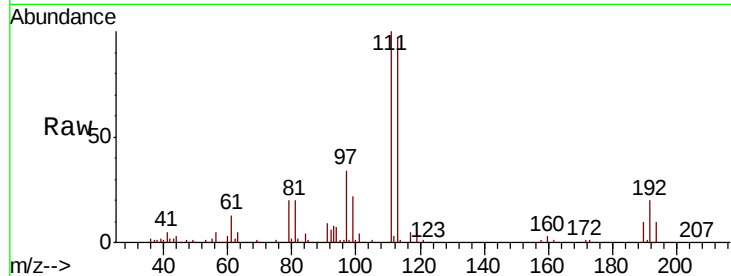
ClientSampleId :

VSTDIC020

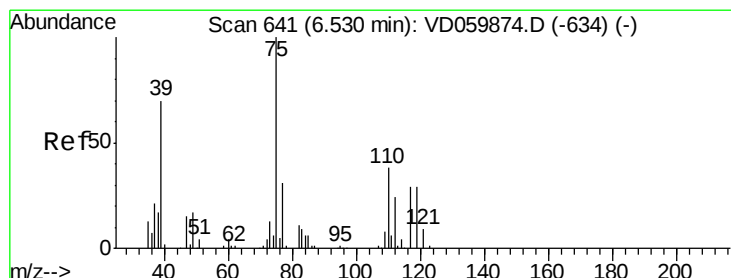
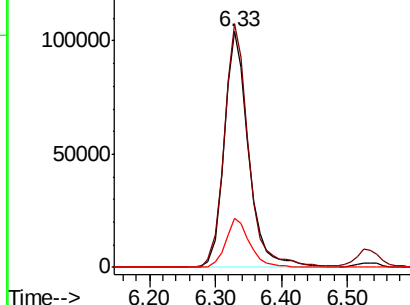
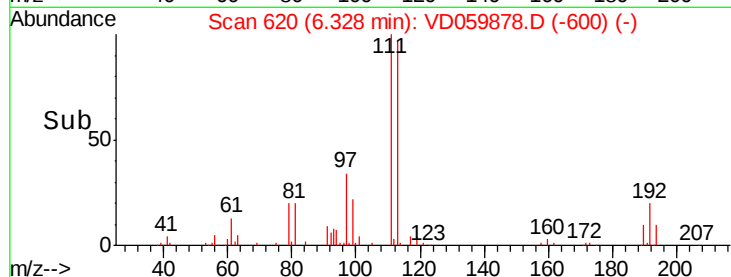
Tot Ion:	113	Resp:	268747
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.4	122.2
192	21.0	17.0	25.6

Manual Integrations
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Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.90 ug/l

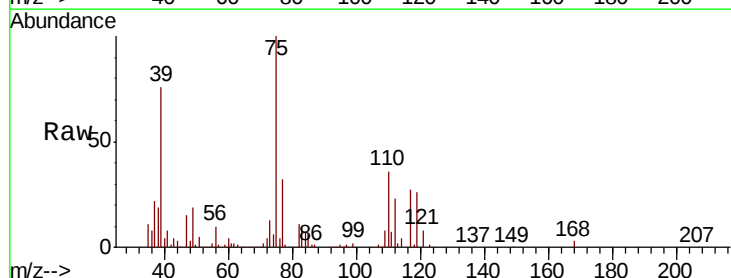
RT: 6.54 min Scan# 641

Delta R.T. 0.01 min

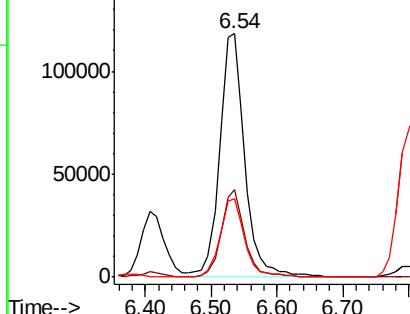
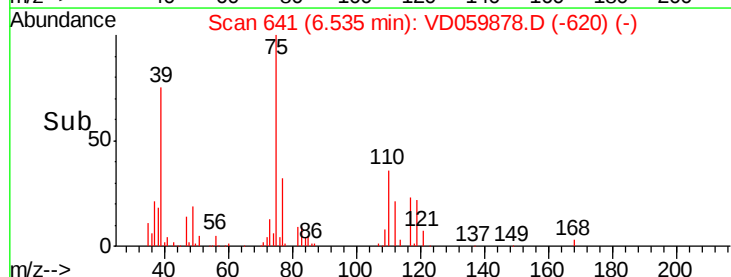
Lab File: VD059878.D

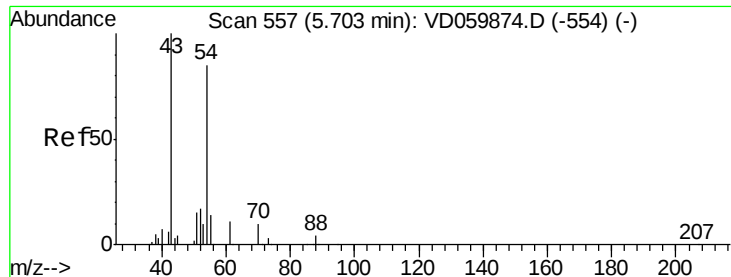
Acq: 22 Aug 2018 16:22

Tgt Ion:	75	Resp:	308443
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.6	56.0
77	32.1	25.1	37.7



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





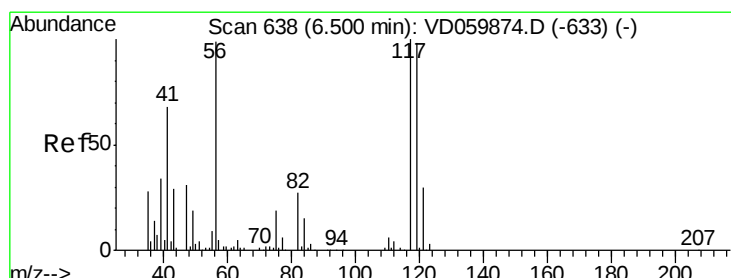
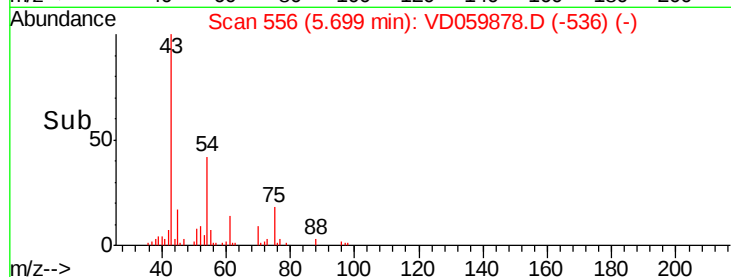
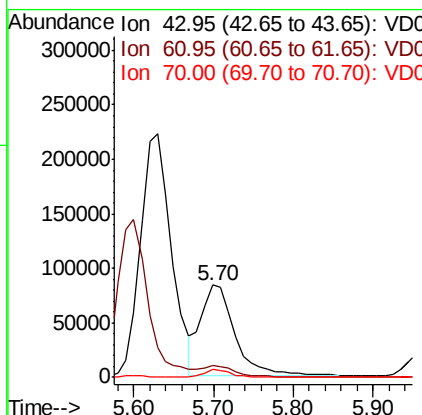
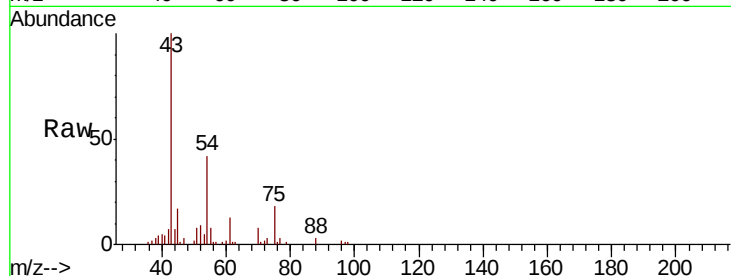
#37
Ethyl Acetate
Concen: 22.08 ug/l
RT: 5.70 min Scan# 556
Delta R.T. -0.00 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.6
70	8.4	5.7	8.5

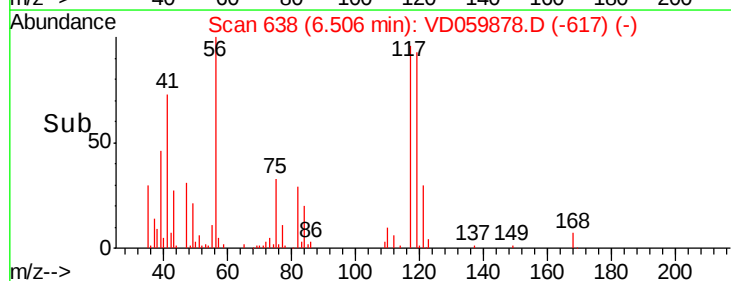
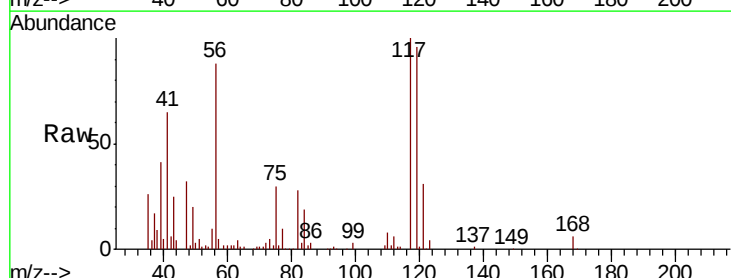
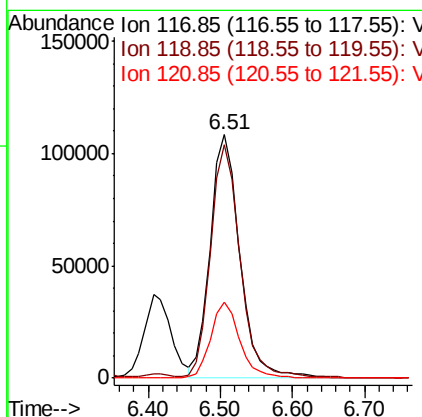
Manual Integrations
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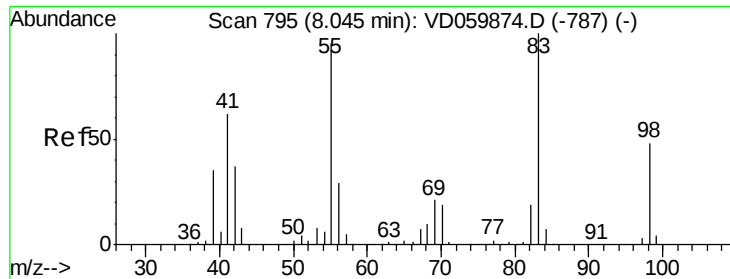
apatel
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#38
Carbon Tetrachloride
Concen: 21.33 ug/l
RT: 6.51 min Scan# 638
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.2	115.8
121	31.2	24.0	36.0





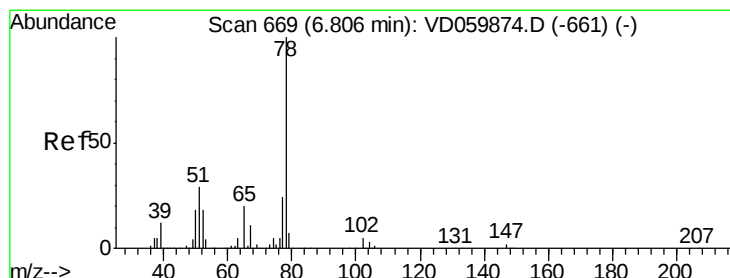
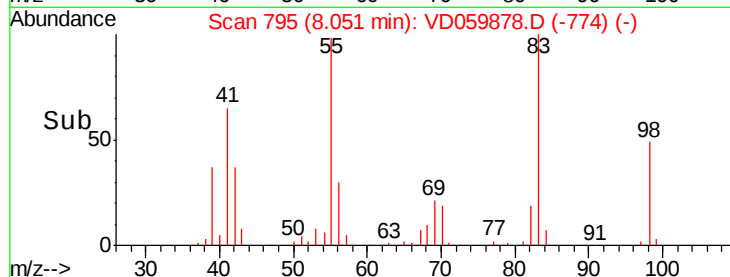
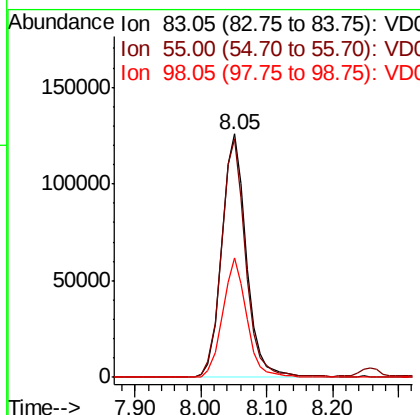
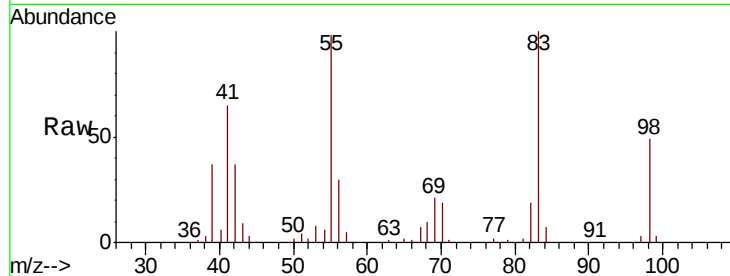
#39
Methvlcvclohexane
Concen: 21.07 ug/l
RT: 8.05 min Scan# 795
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.8	75.8	113.6
98	49.1	38.3	57.5

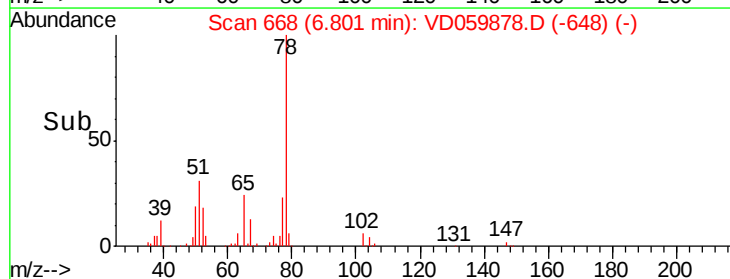
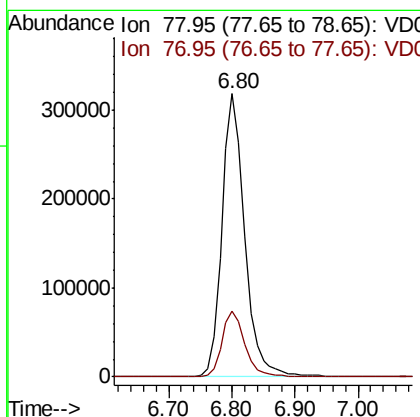
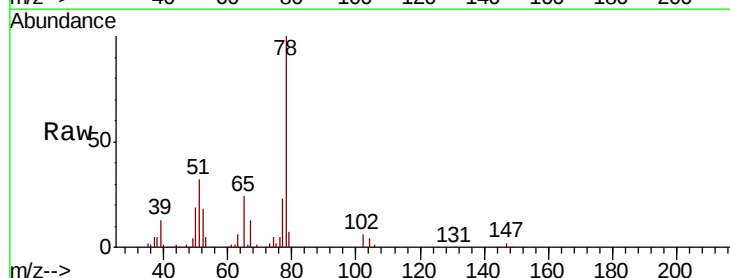
Manual Integrations
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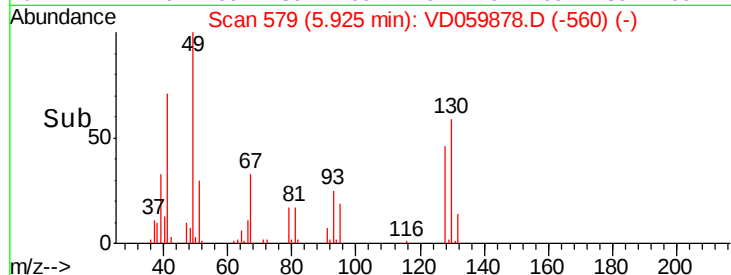
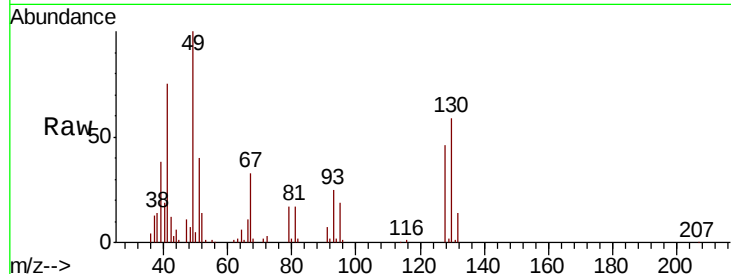
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#40
Benzene
Concen: 21.69 ug/l
RT: 6.80 min Scan# 668
Delta R.T. -0.00 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4





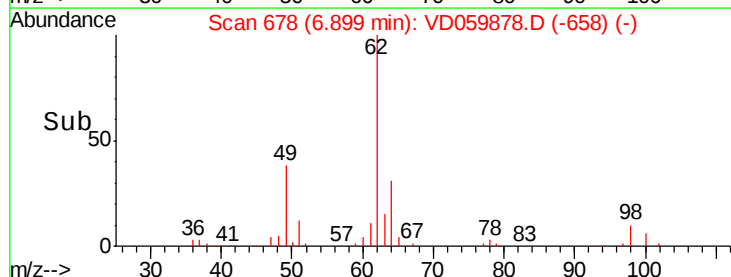
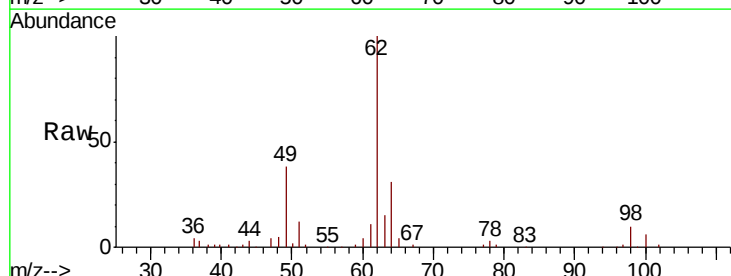
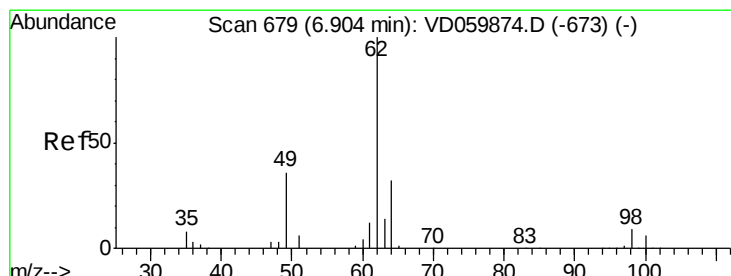
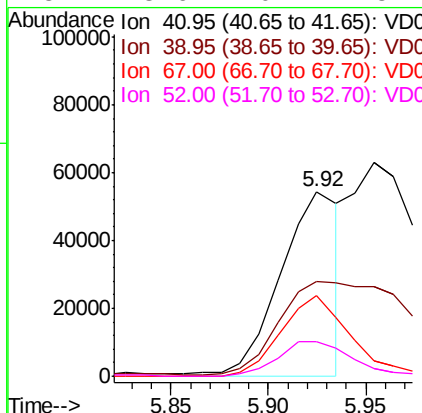
#41
Methacrylonitrile
Concen: 11.47 ug/l m
RT: 5.92 min Scan# 579
Delta R.T. -0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.2	39.4	59.2
67	43.9	22.2	33.2#
52	18.6	10.1	15.1#

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

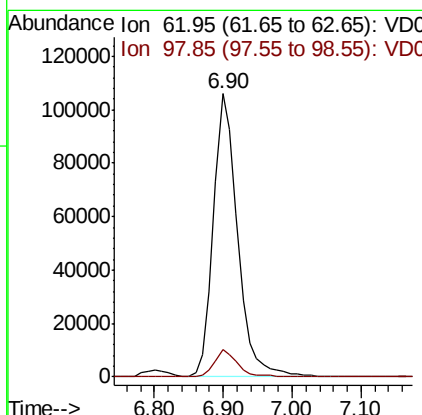
Manual Integrations
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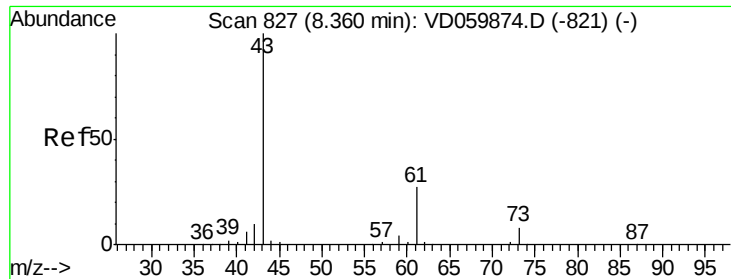
apatel
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#42
1,2-Dichloroethane
Concen: 21.55 ug/l
RT: 6.90 min Scan# 678
Delta R.T. -0.00 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





#43

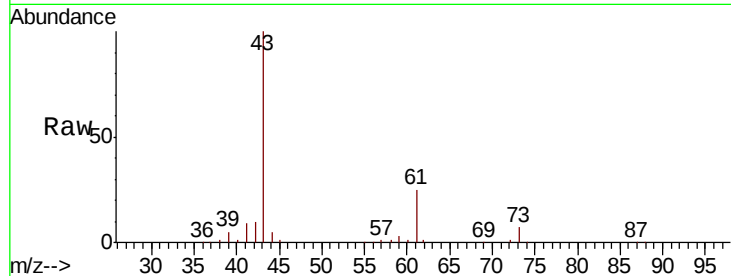
Isopropyl Acetate
 Concen: 21.44 ug/l
 RT: 8.36 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

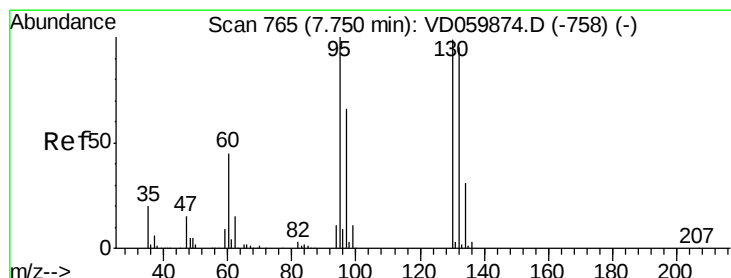
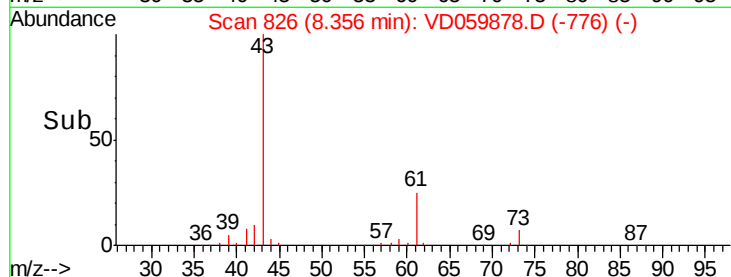
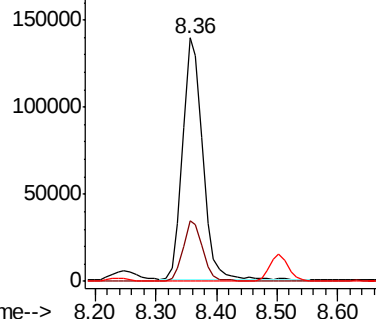
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	21.4	32.2
87	0.3	0.2	0.4

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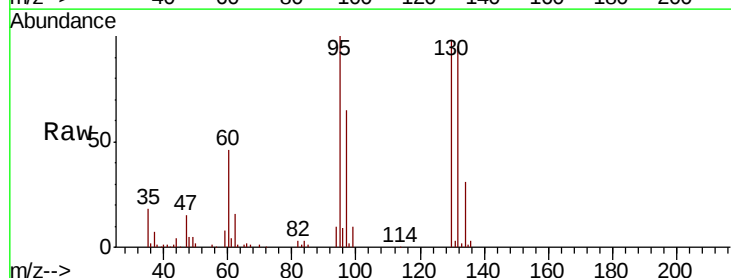
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



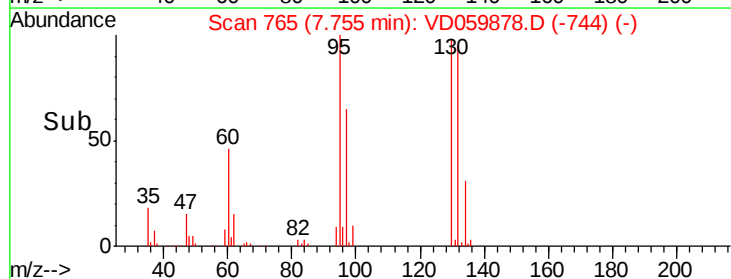
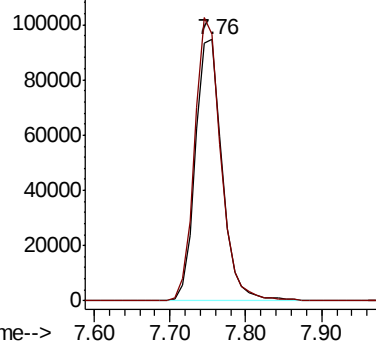
#44

Trichloroethene
 Concen: 21.28 ug/l
 RT: 7.76 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	202.0



Abundance Ion 129.80 (129.50 to 130.50): V
 120000 Ion 94.90 (94.60 to 95.60): VDC





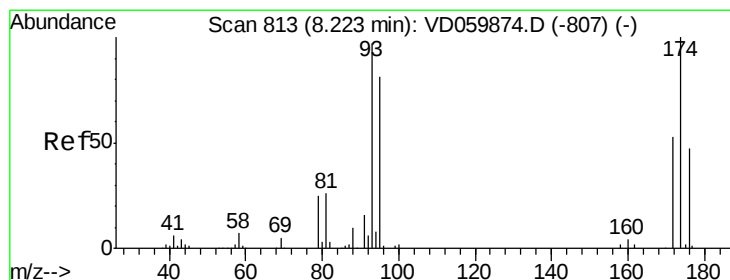
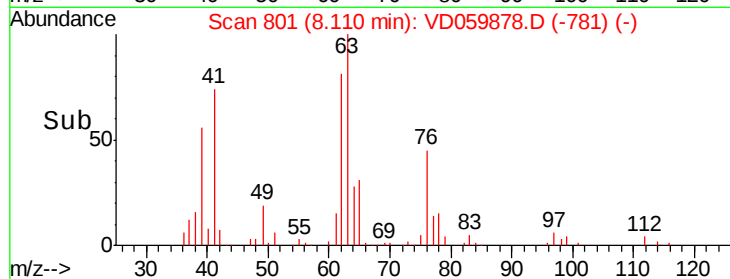
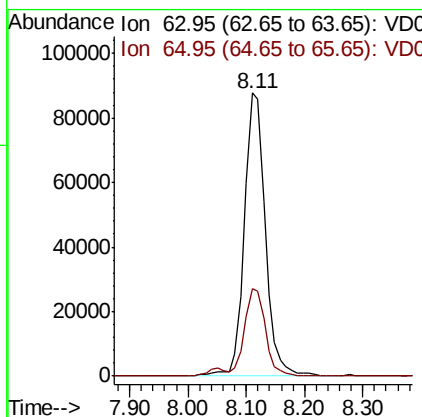
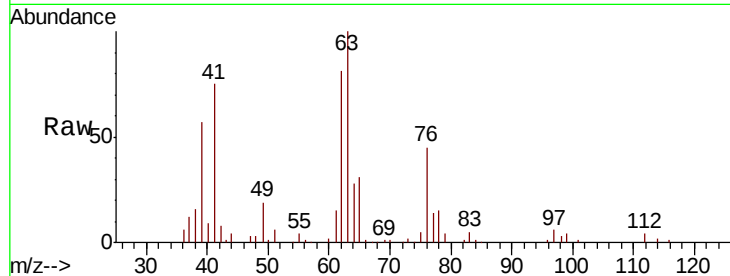
#45
 1,2-Dichloropropane
 Concen: 21.11 ug/l
 RT: 8.11 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.5	35.3

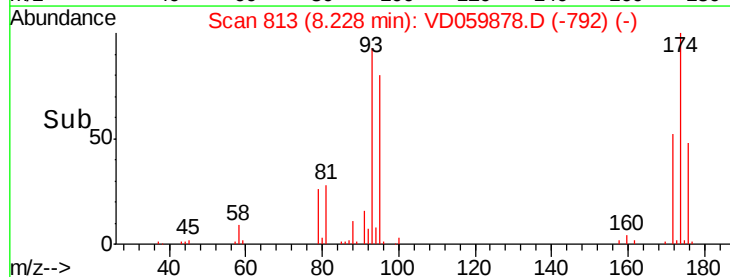
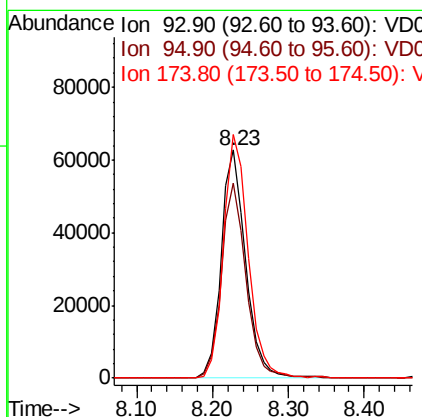
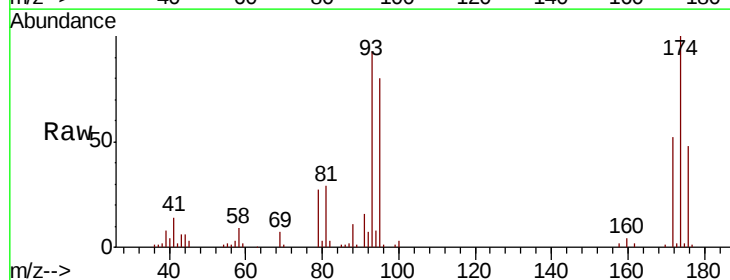
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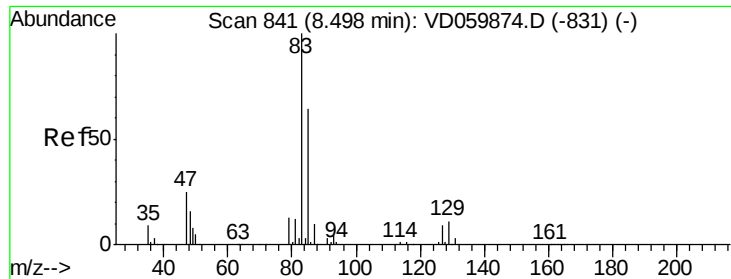
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#46
 Dibromomethane
 Concen: 21.00 ug/l
 RT: 8.23 min Scan# 813
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.6	66.6	100.0
174	107.0	82.4	123.6





#47

Bromodichloromethane

Concen: 21.86 ug/l

RT: 8.50 min Scan# 841

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

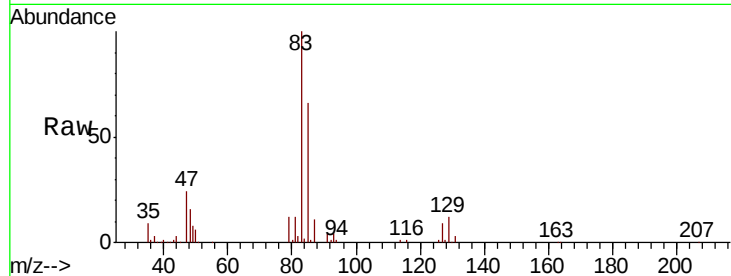
ClientSampleId :

VSTDIC020

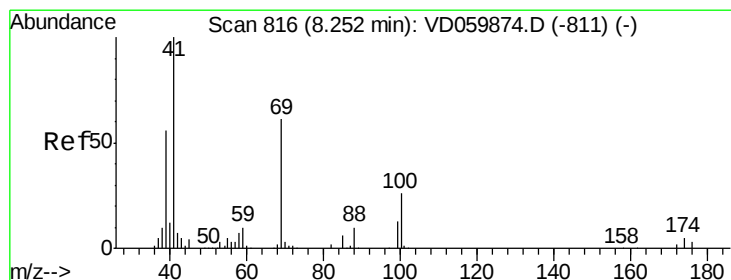
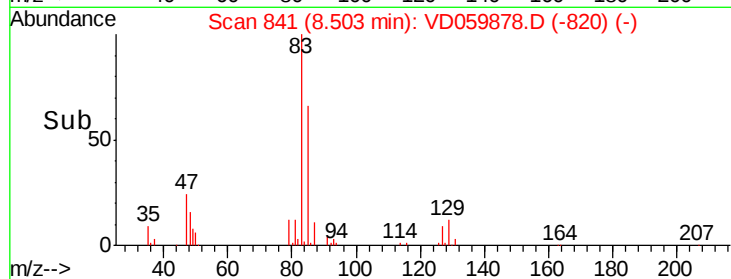
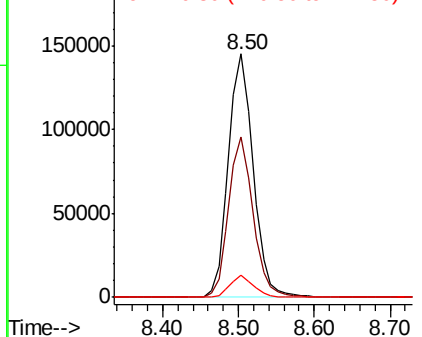
Tot Ion:	83	Resp:	330968
Ion Ratio	Lower	Upper	
83	100		
85	66.1	51.3	76.9
127	8.9	7.0	10.4

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



#48

Methyl methacrylate

Concen: 21.91 ug/l

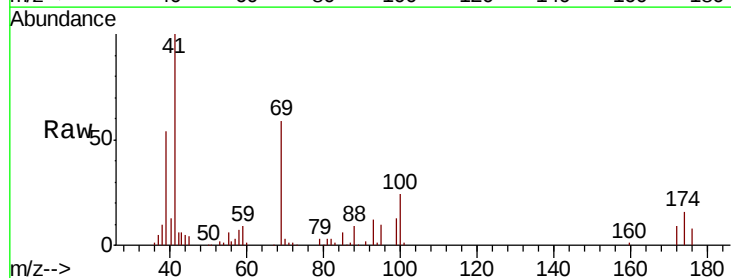
RT: 8.26 min Scan# 816

Delta R.T. 0.01 min

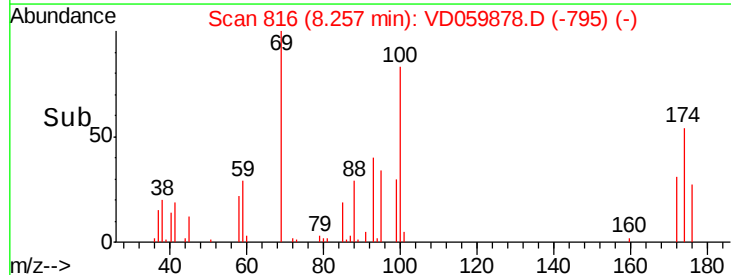
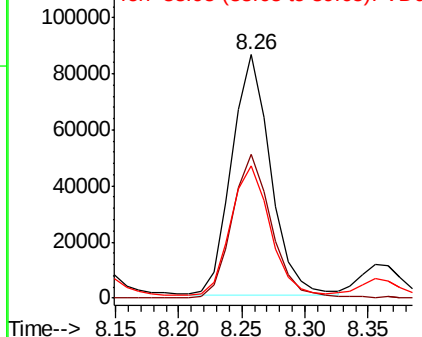
Lab File: VD059878.D

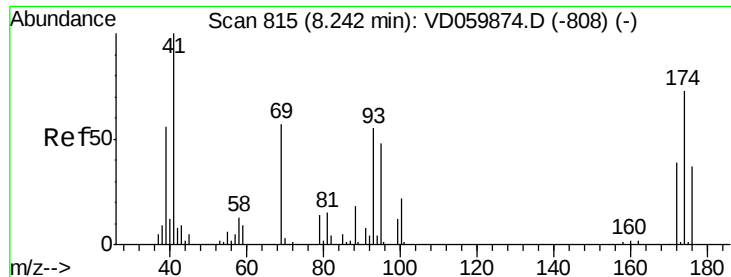
Acq: 22 Aug 2018 16:22

Tgt Ion:	41	Resp:	183216
Ion Ratio	Lower	Upper	
41	100		
69	59.1	48.0	72.0
39	54.4	45.4	68.0



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





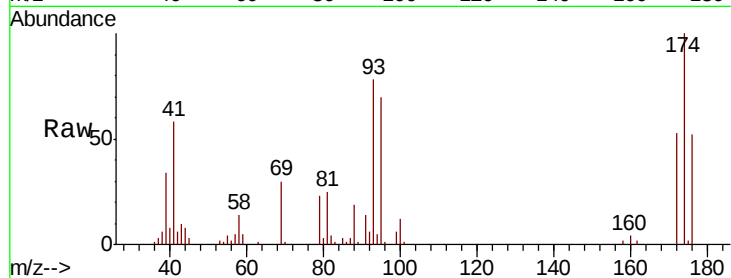
#49
 1,4-Dioxane
 Concen: 433.41 ug/l
 RT: 8.24 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

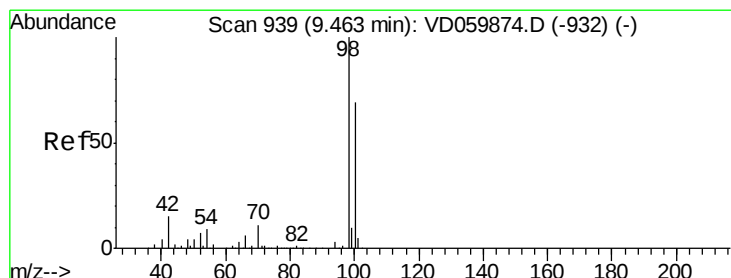
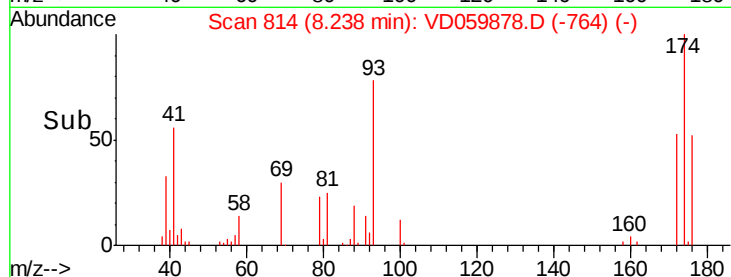
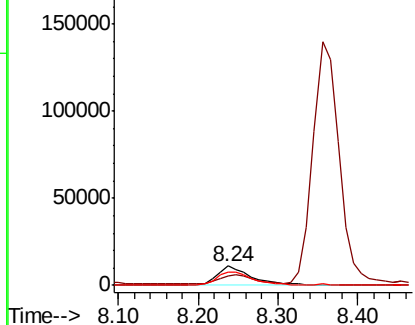
Tot Ion	Ratio	Lower	Upper
88	100		
43	50.1	45.0	67.6
58	71.4	55.8	83.8

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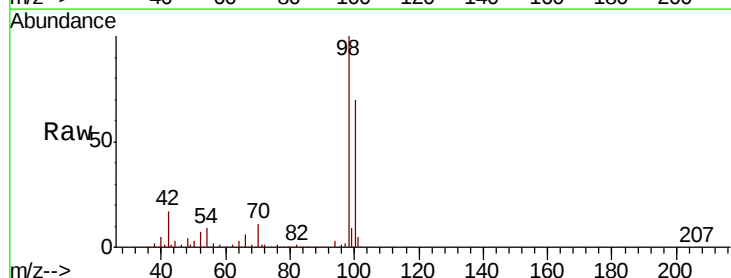


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

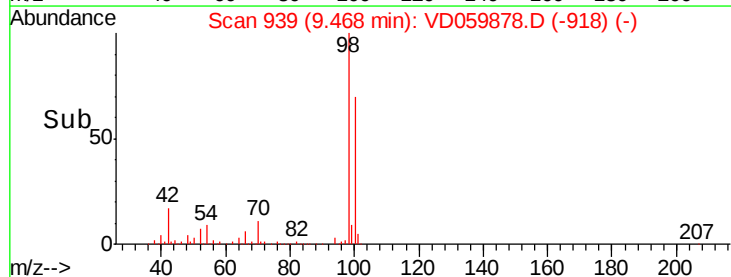
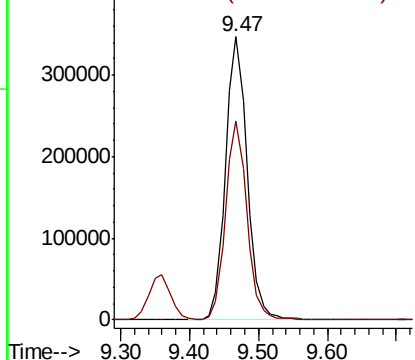


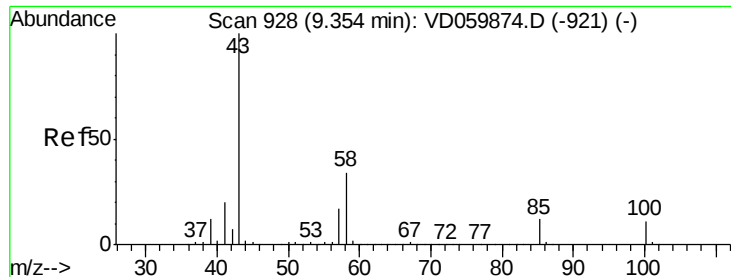
#50
 Toluene-d8
 Concen: 433.41 ug/l
 RT: 9.47 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.4	55.8	83.6



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





#51

4-Methyl-2-Pentanone

Concen: 125.63 ug/l

RT: 9.35 min Scan# 927

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1296917

Ion Ratio Lower Upper

43 100

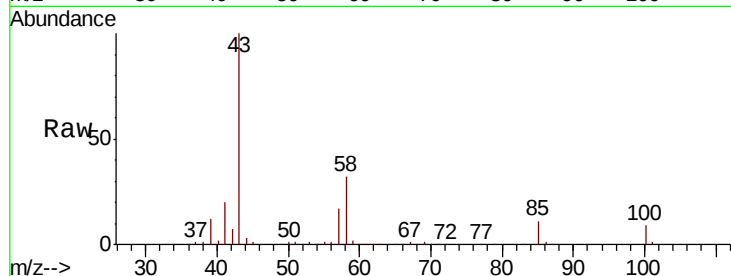
58 32.0 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

600000

500000

400000

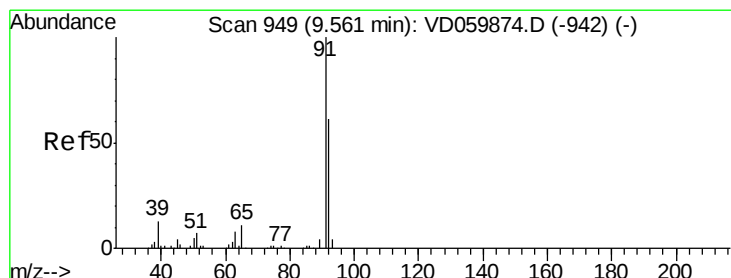
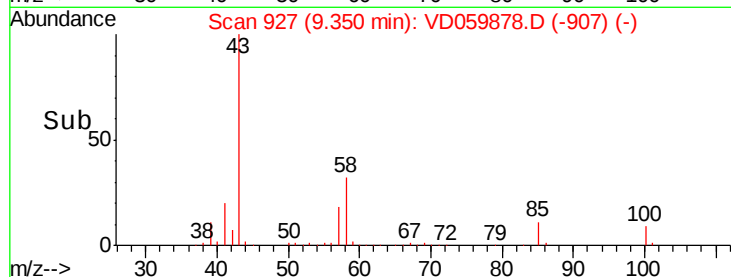
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.33 ug/l

RT: 9.56 min Scan# 948

Delta R.T. -0.00 min

Lab File: VD059878.D

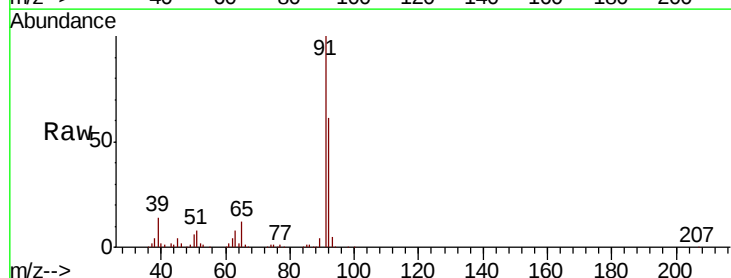
Acq: 22 Aug 2018 16:22

Tgt Ion: 92 Resp: 506786

Ion Ratio Lower Upper

92 100

91 163.5 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.56

400000

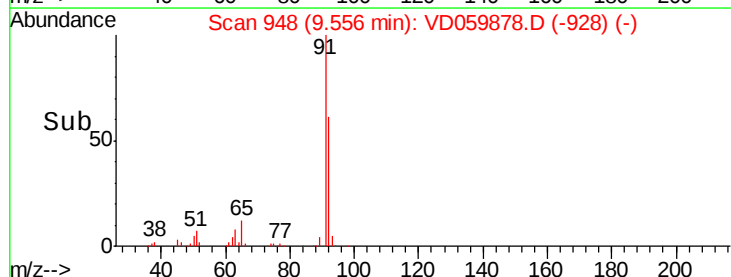
300000

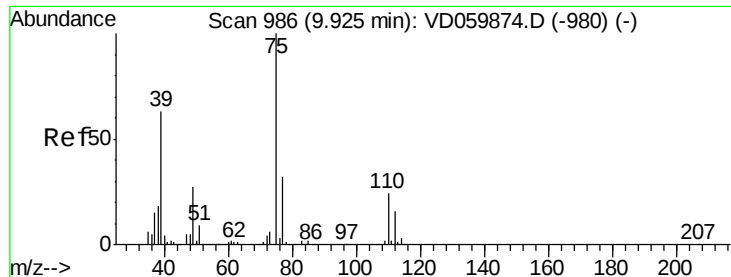
200000

100000

0

Time-->





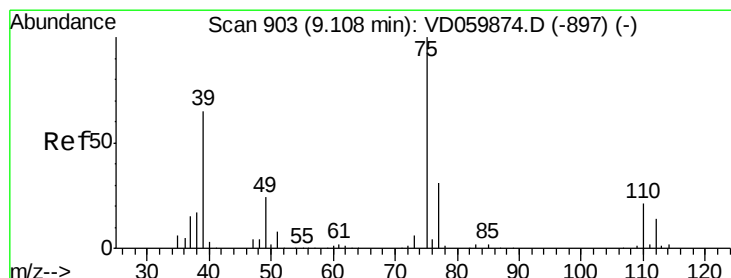
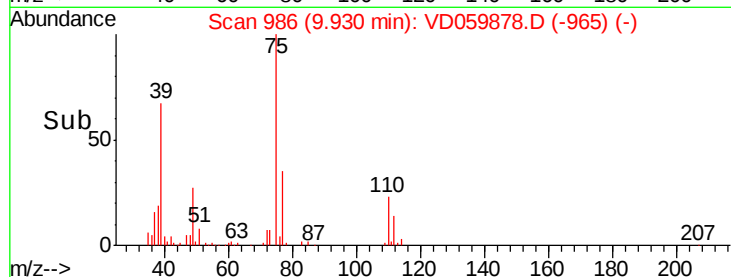
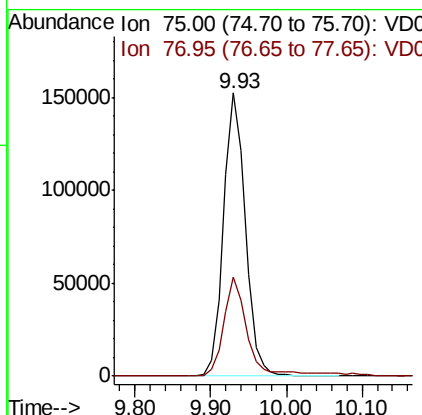
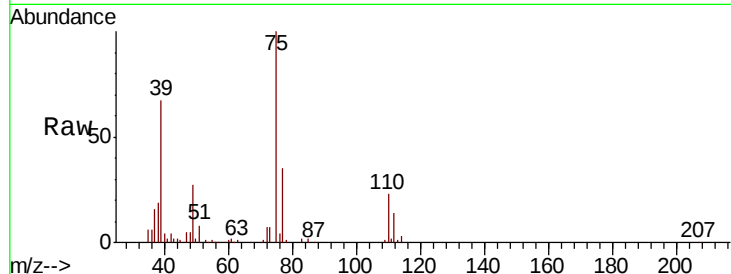
#53
t-1,3-Dichloropropene
Concen: 21.67 ug/l
RT: 9.93 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.1	25.4	38.2

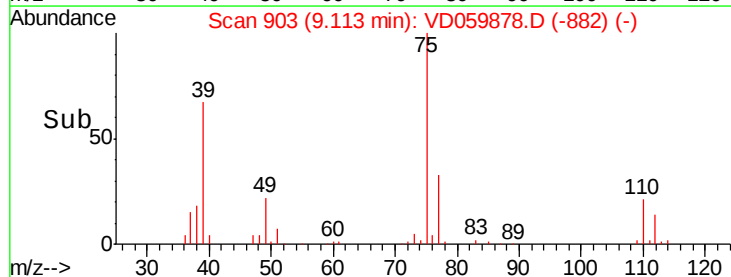
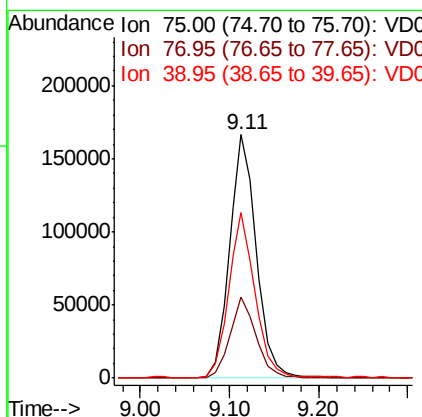
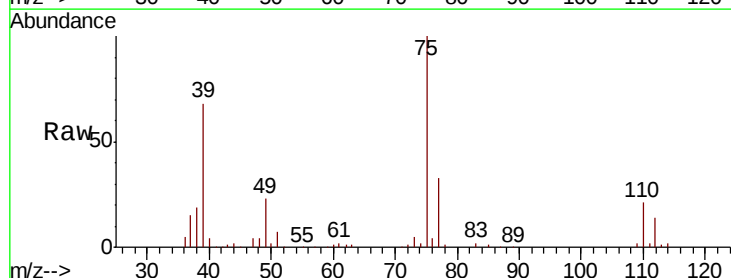
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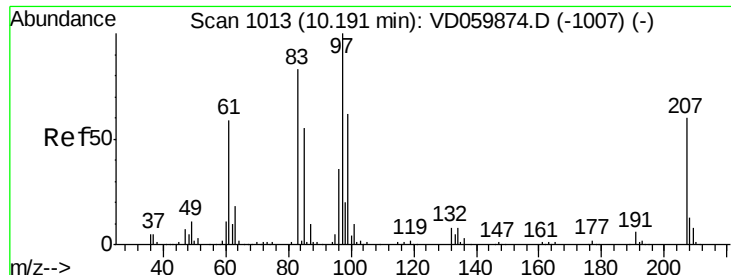
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#54
cis-1,3-Dichloropropene
Concen: 21.42 ug/l
RT: 9.11 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.8	37.2
39	67.8	52.1	78.1





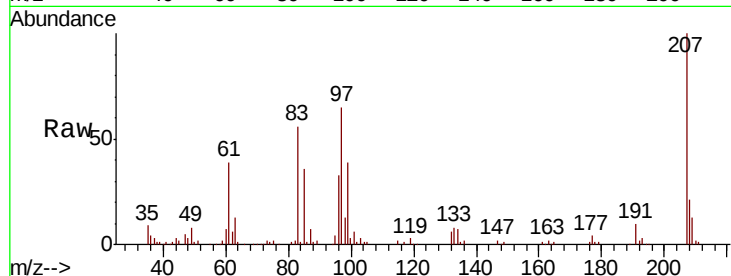
#55
 1,1,2-Trichloroethane
 Concen: 20.97 ug/l
 RT: 10.20 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

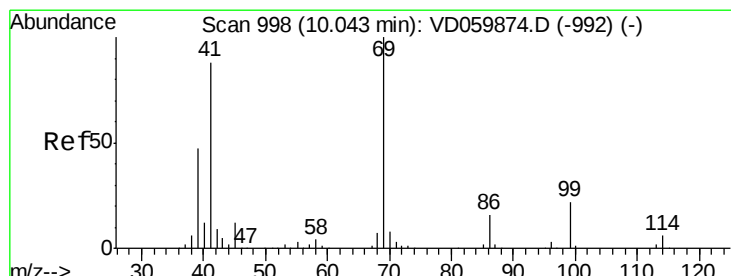
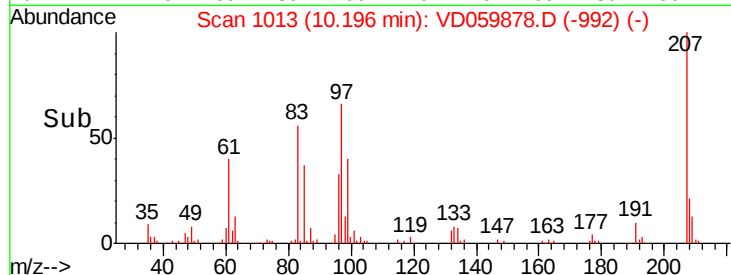
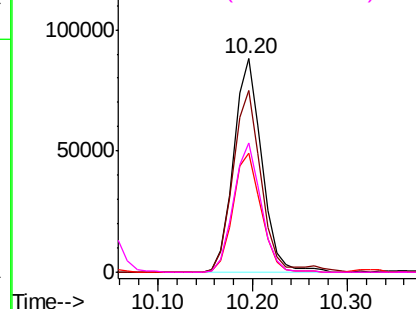
Tot Ion:	97	Resp:	181428
Ion	Ratio	Lower	Upper
97	100		
83	85.3	66.7	100.1
85	55.8	43.8	65.6
99	60.4	49.8	74.6

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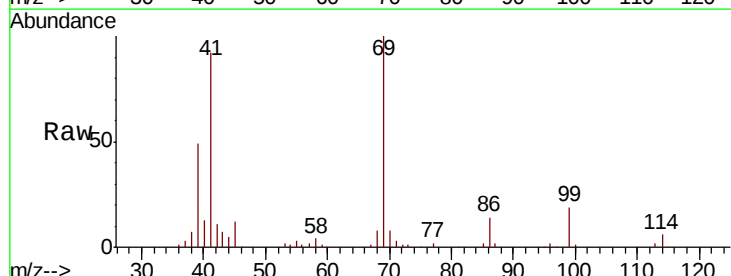


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

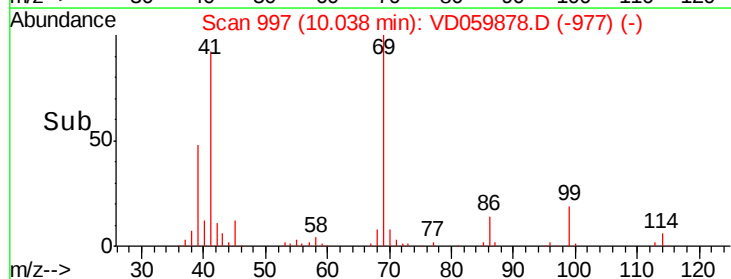
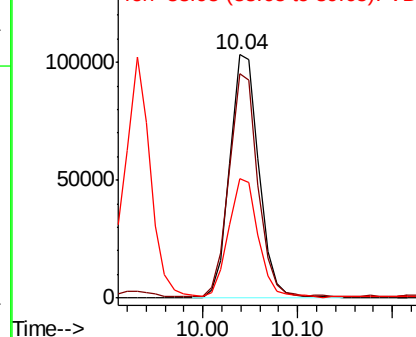


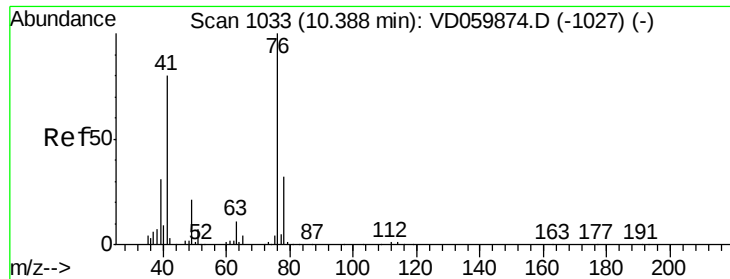
#56
 Ethyl methacrylate
 Concen: 21.36 ug/l
 RT: 10.04 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion:	69	Resp:	219828
Ion	Ratio	Lower	Upper
69	100		
41	92.2	71.0	106.4
39	48.8	38.5	57.7



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





#57

1,3-Dichloropropane

Concen: 21.89 ug/l

RT: 10.39 min Scan# 1033

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 277342

Ion Ratio Lower Upper

76 100

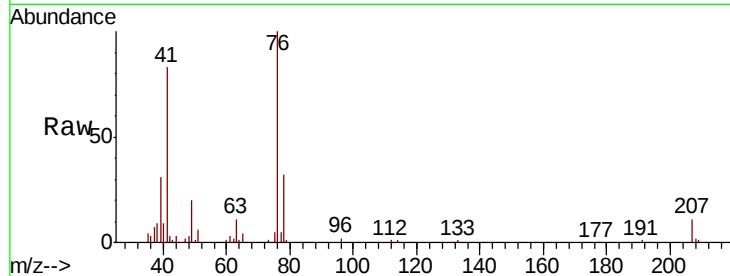
78 32.0 25.8 38.6

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

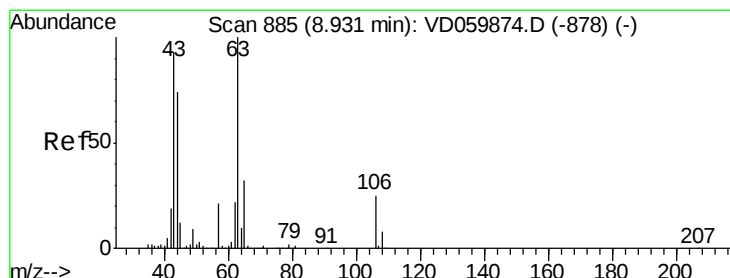
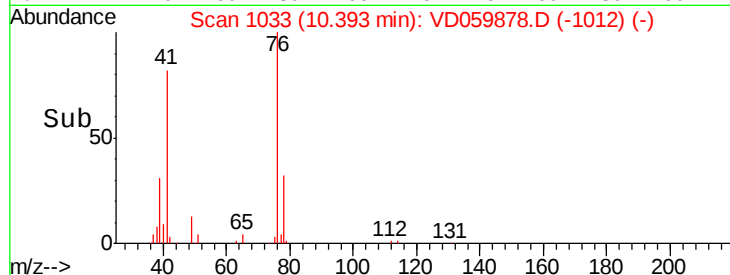
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.30 ug/l

RT: 8.94 min Scan# 885

Delta R.T. 0.01 min

Lab File: VD059878.D

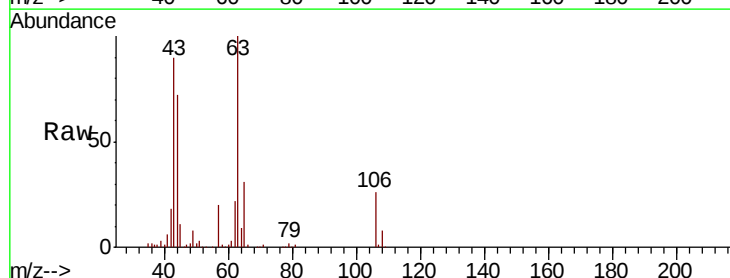
Acq: 22 Aug 2018 16:22

Tgt Ion: 63 Resp: 511637

Ion Ratio Lower Upper

63 100

106 25.9 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.94

250000

200000

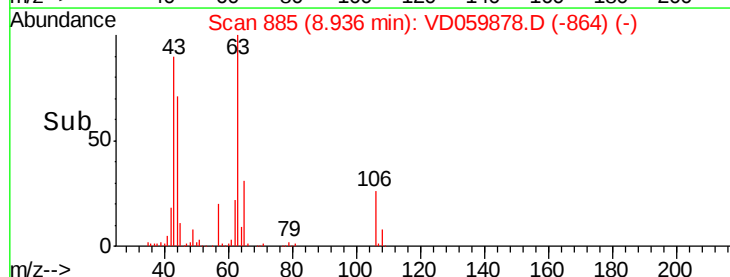
150000

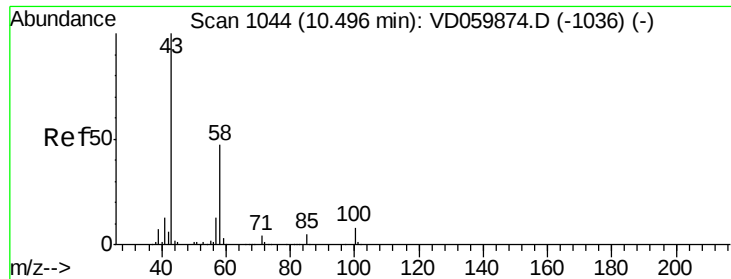
100000

50000

0

Time-->





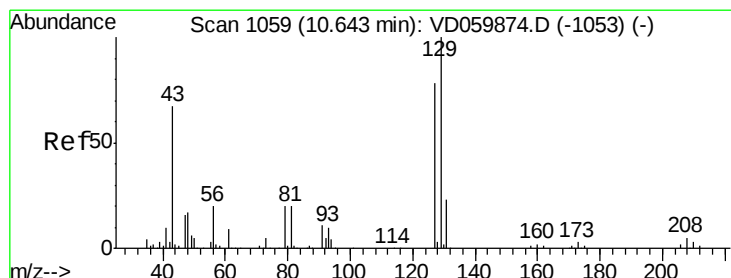
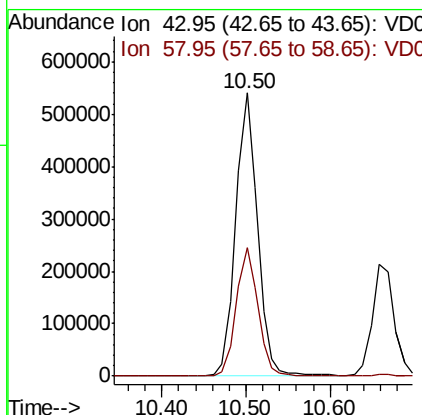
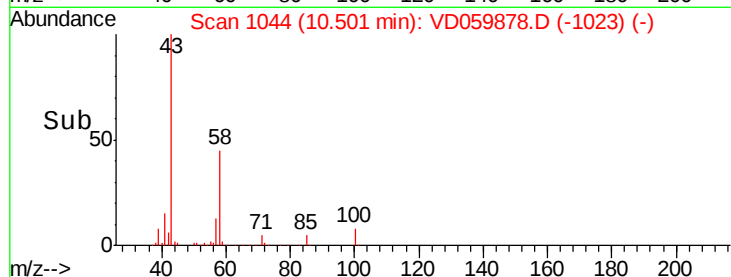
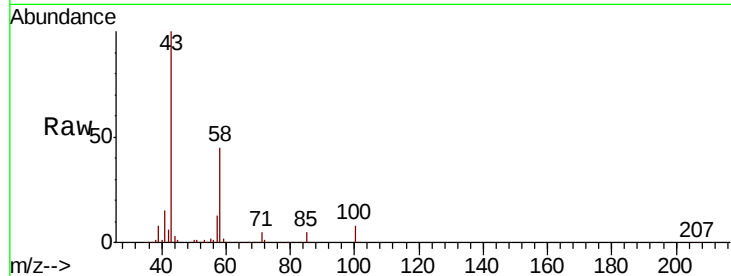
#59
2-Hexanone
Concen: 129.79 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 971683
Ion Ratio Lower Upper
43 100
58 45.2 23.3 69.8

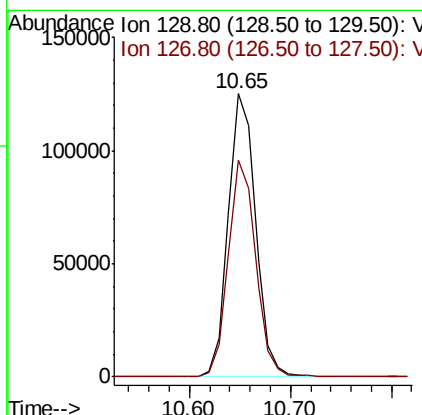
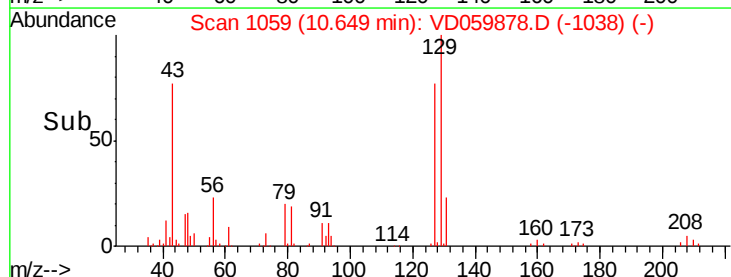
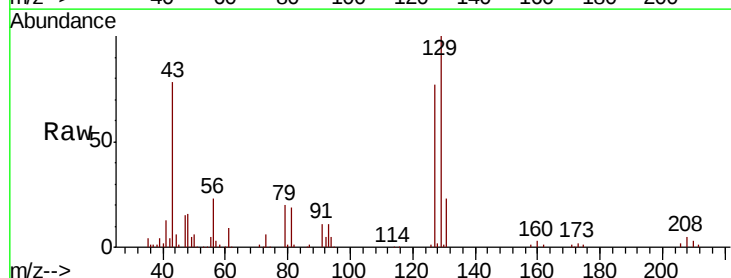
Manual Integrations
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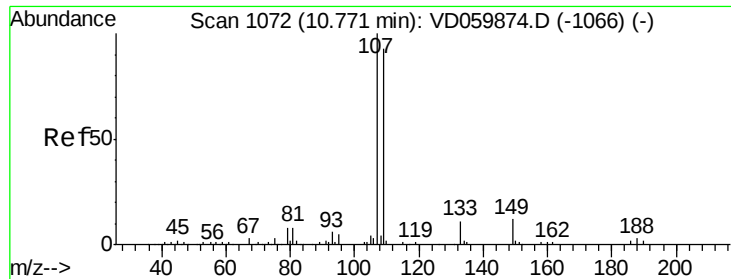
apatel
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#60
Dibromochloromethane
Concen: 21.39 ug/l
RT: 10.65 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion: 129 Resp: 235717
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





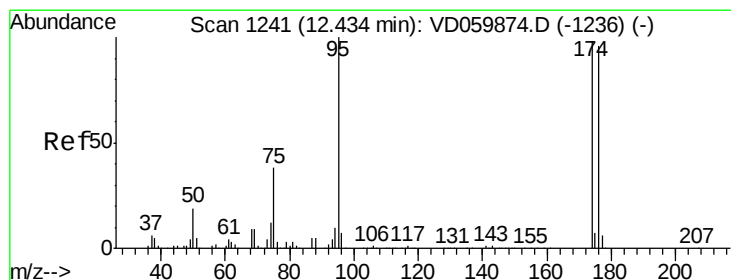
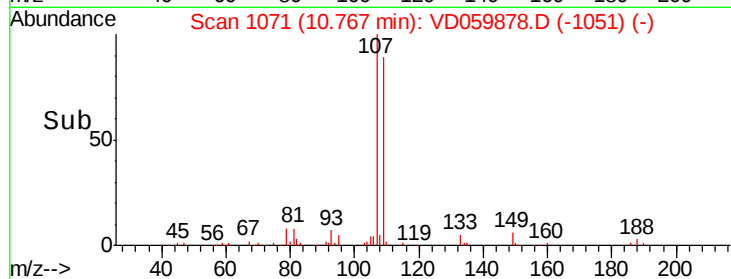
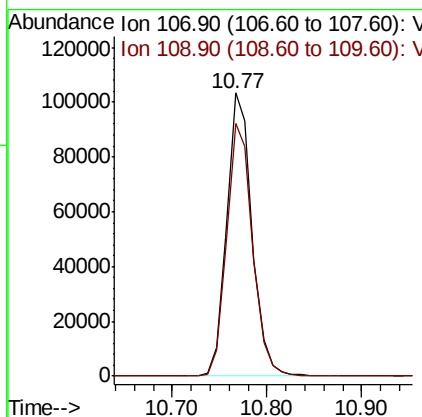
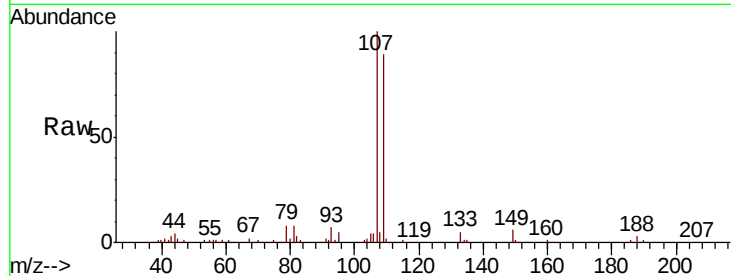
#61
 1,2-Dibromoethane
 Concen: 21.30 ug/l
 RT: 10.77 min Scan# 1071
 Delta R.T. -0.00 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.1	74.6	112.0

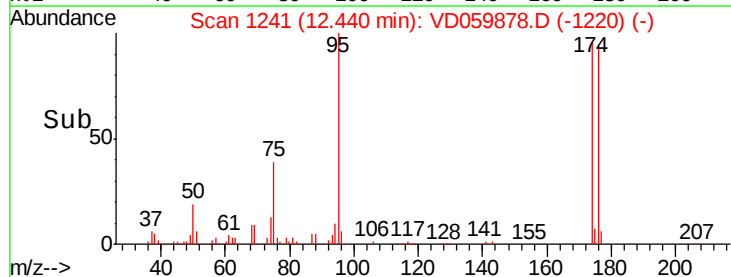
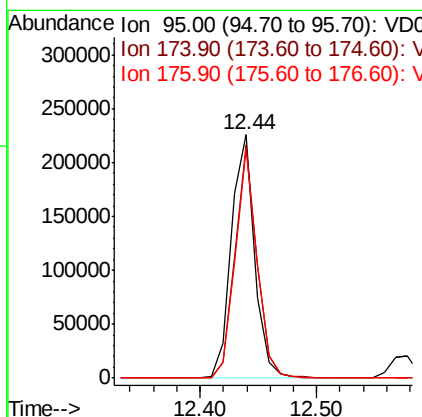
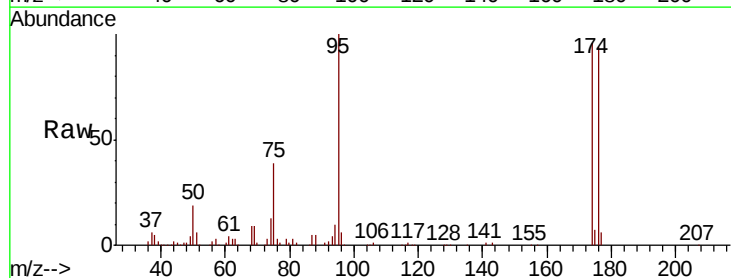
Manual Integrations
 APPROVED

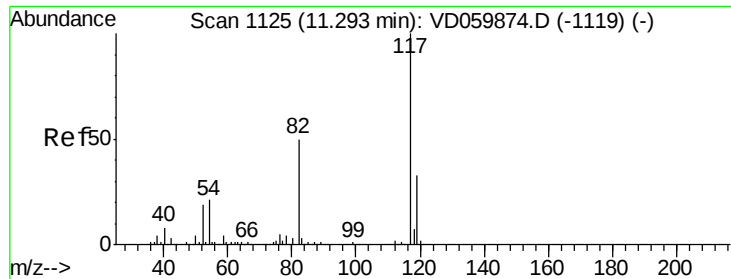
apatel
 8/23/2018 10:53:12 AM



#62
 4-Bromofluorobenzene
 Concen: 21.30 ug/l
 RT: 12.44 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.0	0.0	195.6
176	94.2	0.0	191.2





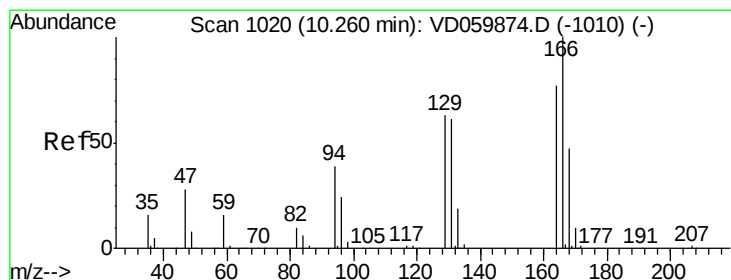
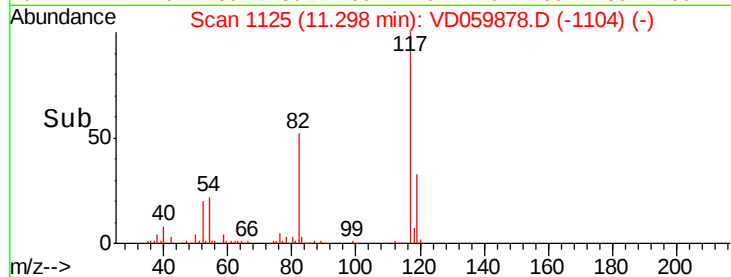
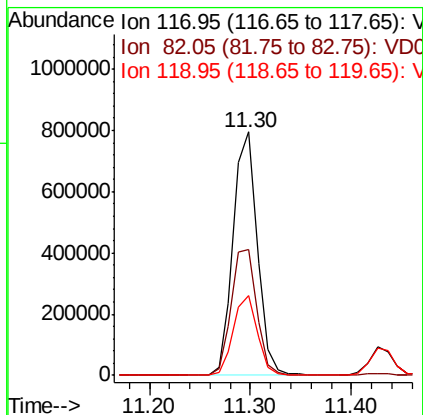
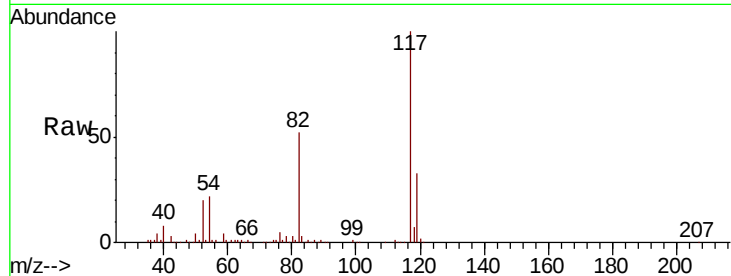
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

Tot Ion:117 Resp: 1323446
Ion Ratio Lower Upper
117 100
82 51.8 40.1 60.1
119 32.9 26.7 40.1

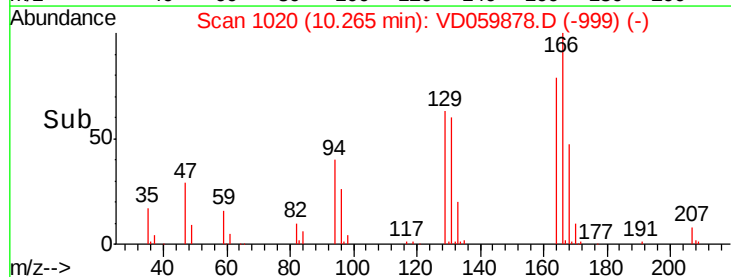
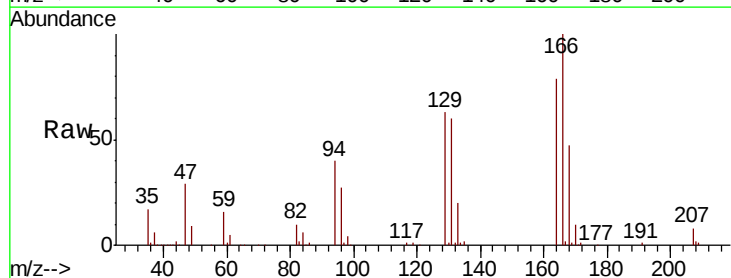
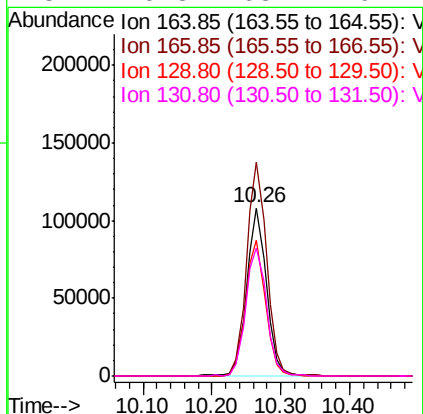
Manual Integrations
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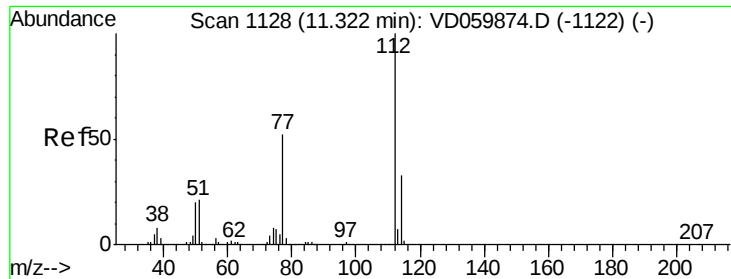
apatel
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#64
Tetrachloroethene
Concen: 21.26 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion:164 Resp: 215015
Ion Ratio Lower Upper
164 100
166 127.0 103.4 155.2
129 80.4 65.2 97.8
131 76.3 63.1 94.7





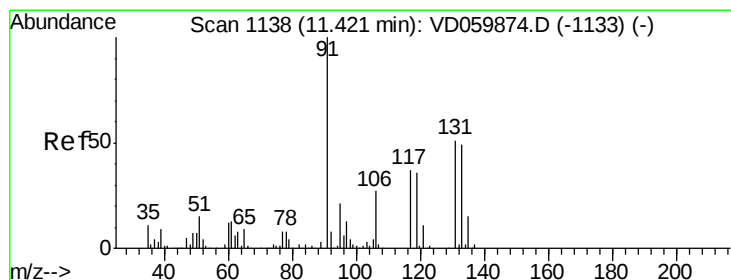
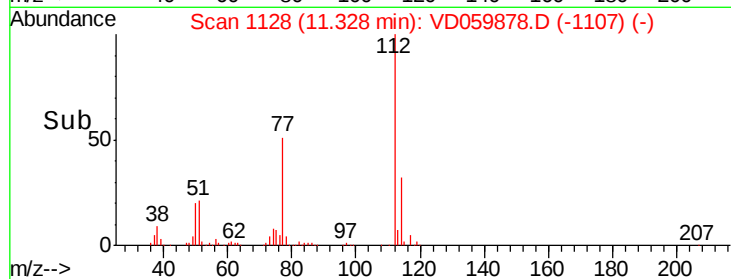
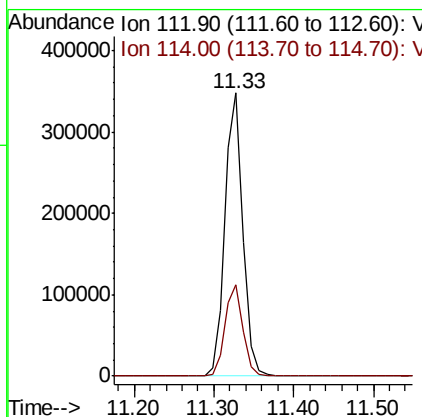
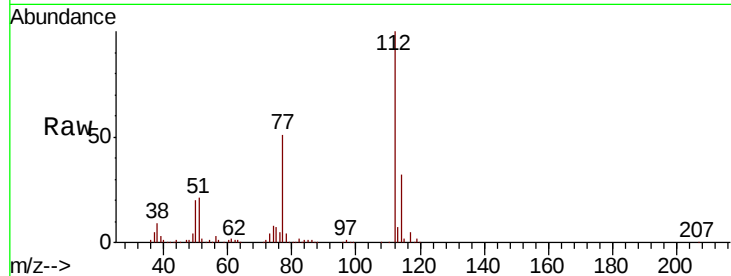
#65
Chlorobenzene
Concen: 21.29 ug/l
RT: 11.33 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.4	39.6

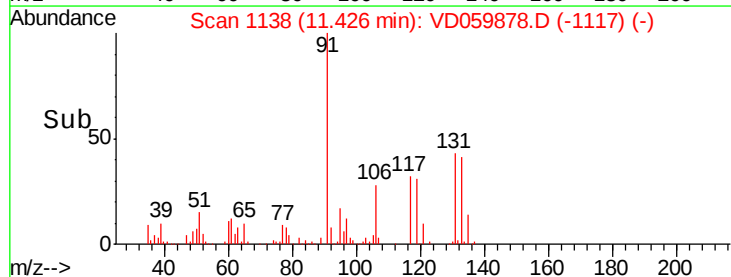
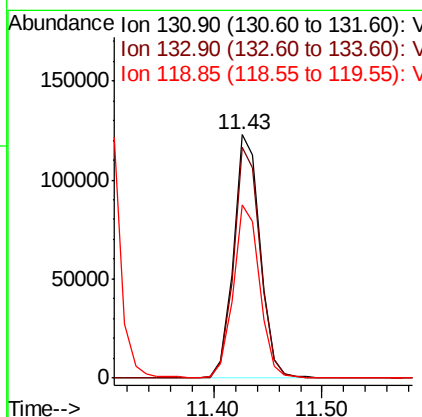
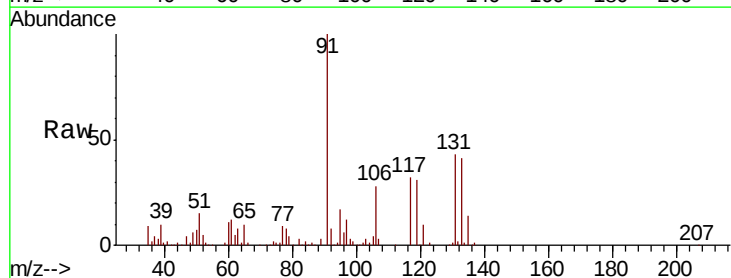
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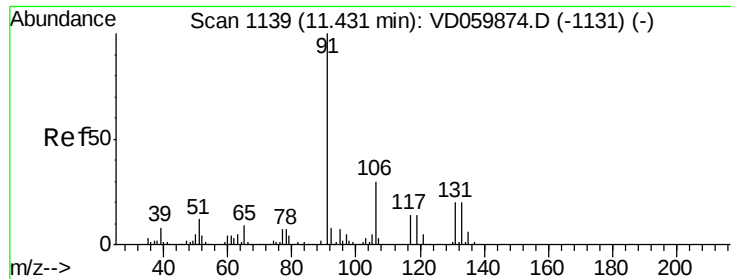
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.24 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.3	144.8
119	71.4	35.4	106.3





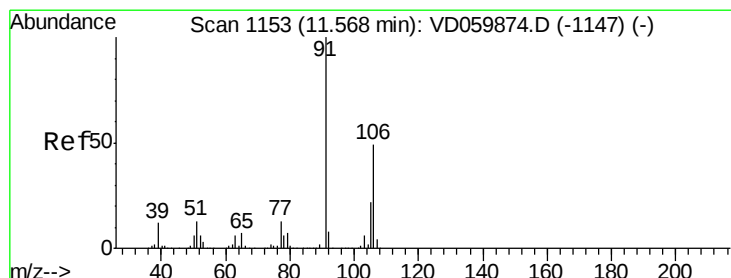
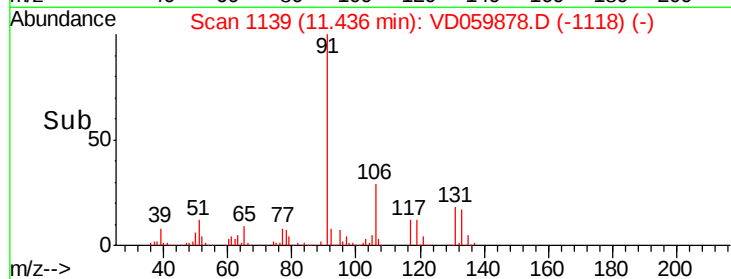
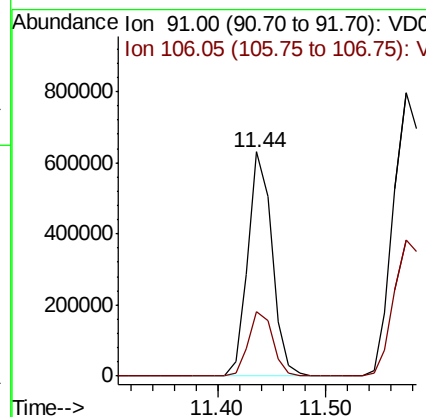
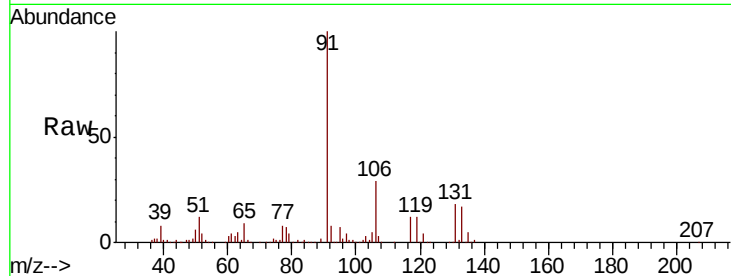
#67
Ethyl Benzene
Concen: 23.15 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 982108
Ion Ratio Lower Upper
91 100
106 28.9 23.8 35.8

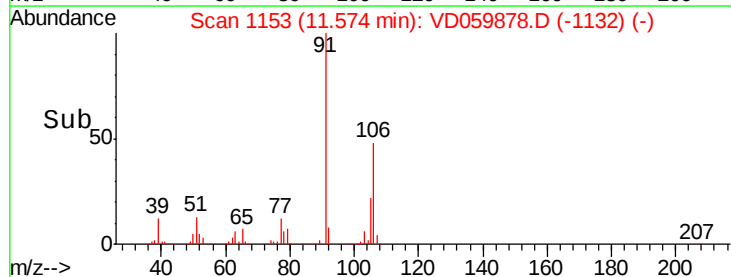
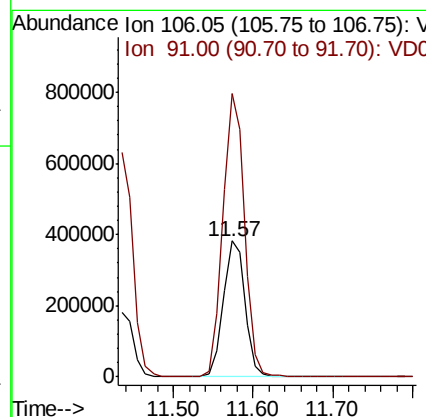
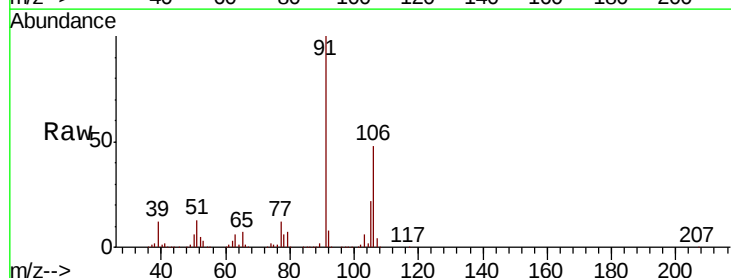
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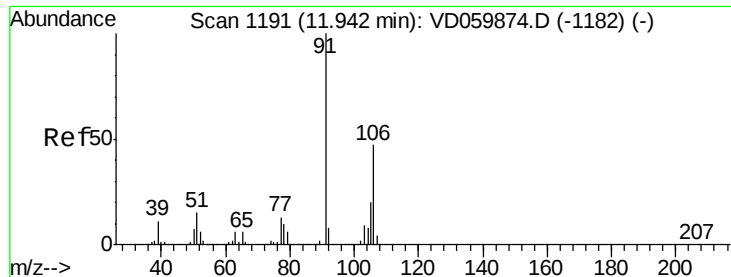
apatel
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#68
m/p-Xylenes
Concen: 48.15 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion: 106 Resp: 737191
Ion Ratio Lower Upper
106 100
91 208.6 162.0 243.0





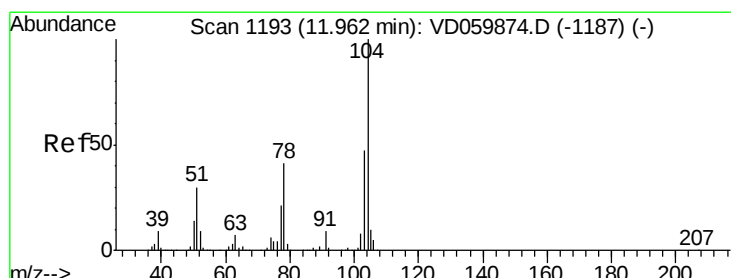
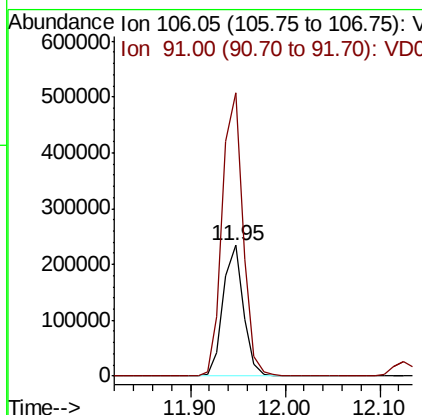
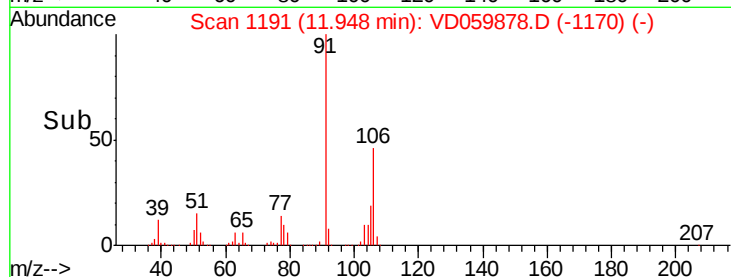
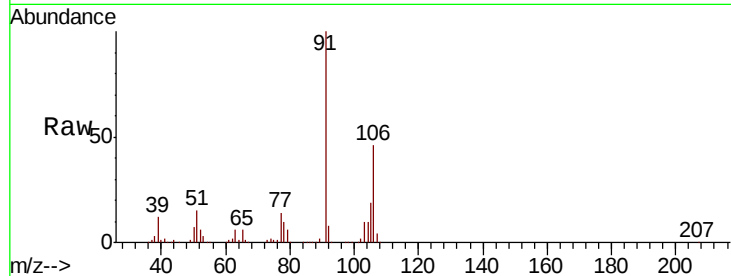
#69
o-Xylene
Concen: 23.17 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
106	100	348234		
91	216.7	107.3	322.0	

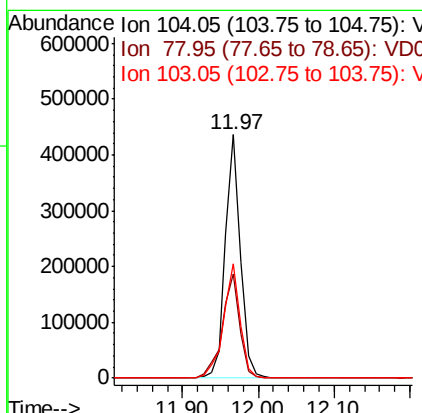
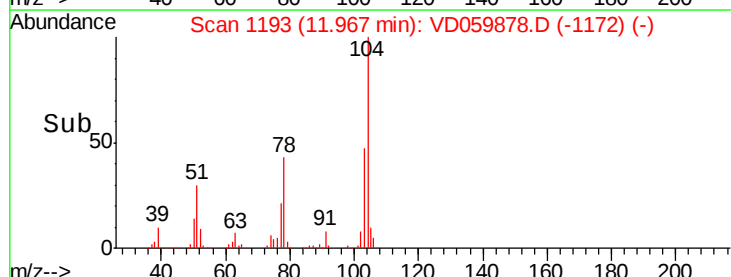
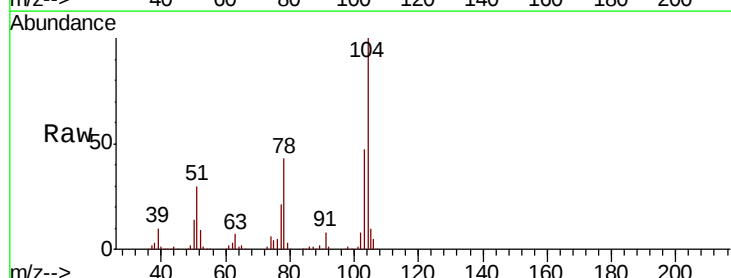
Manual Integrations
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apatel
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#70
Styrene
Concen: 23.08 ug/l
RT: 11.97 min Scan# 1193
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	602703		
78	42.8	32.6	49.0	
103	46.8	37.7	56.5	





#71

Bromoform

Concen: 20.99 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 175022

Ion Ratio Lower Upper

173 100

175 50.0 24.3 73.0

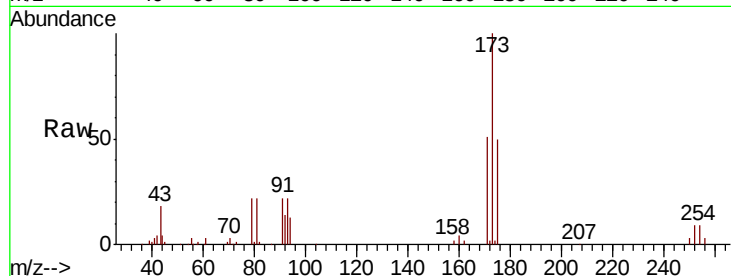
254 9.1 7.0 10.6

Manual Integrations

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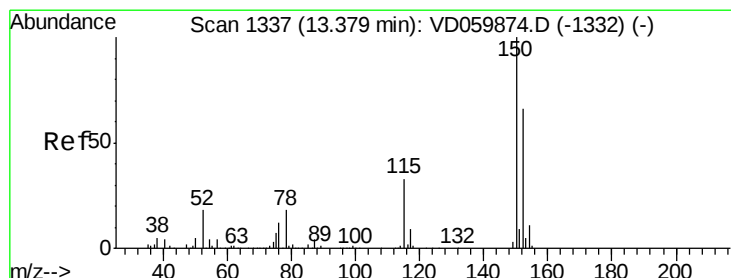
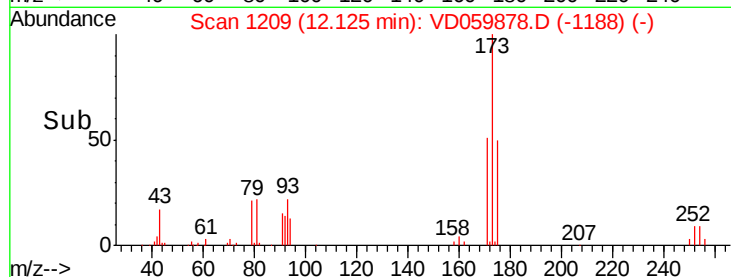
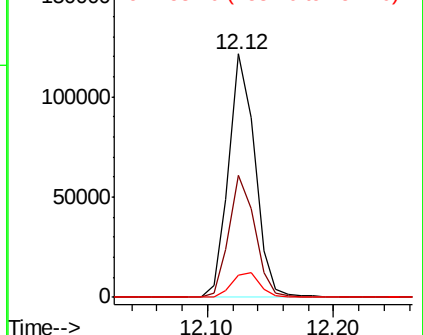
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.38 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

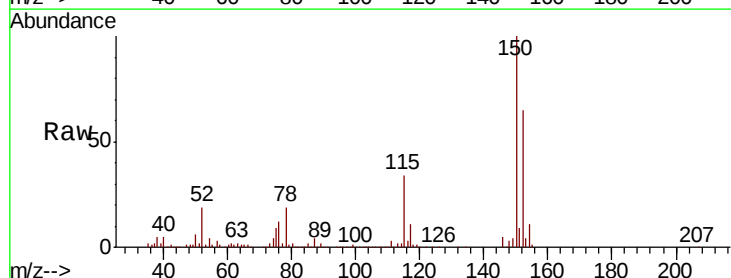
Tgt Ion:152 Resp: 711809

Ion Ratio Lower Upper

152 100

115 51.9 25.7 77.0

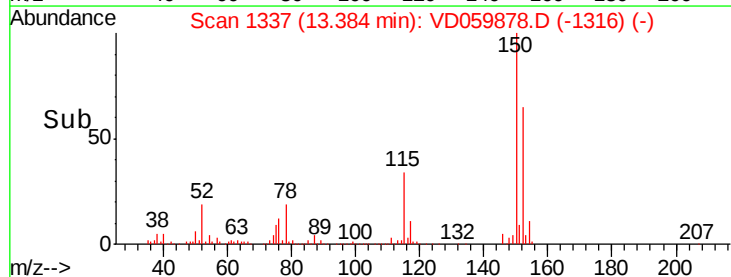
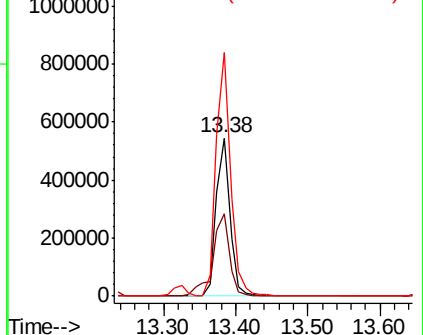
150 154.1 0.0 310.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.12 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 947978

Ion Ratio Lower Upper

105 100

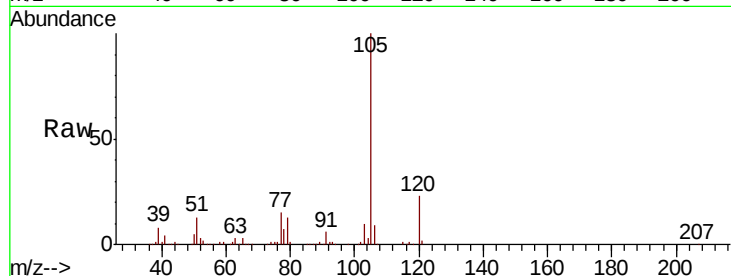
120 23.2 11.8 35.4

Manual Integrations

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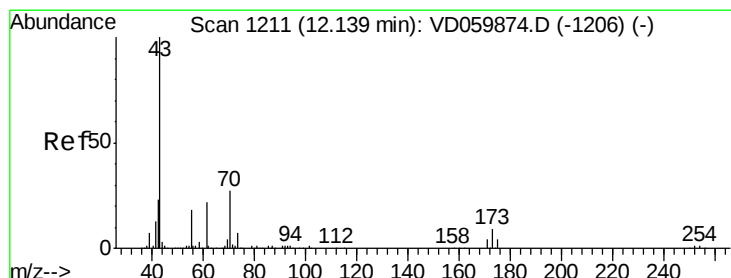
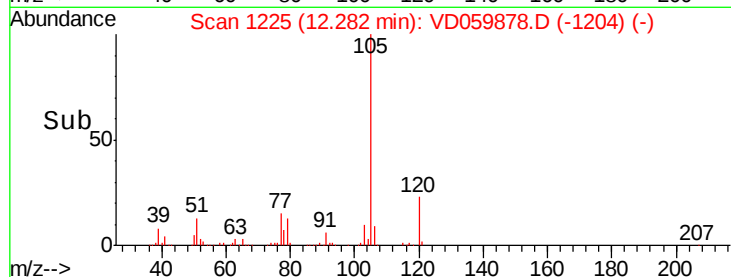
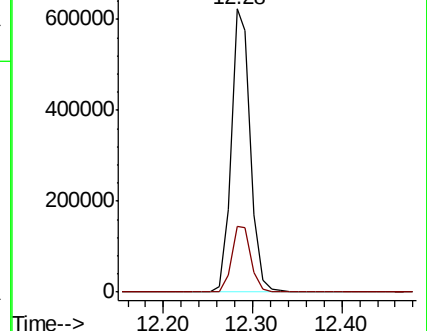
apatel

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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: 20.88 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Tgt Ion: 43 Resp: 418705

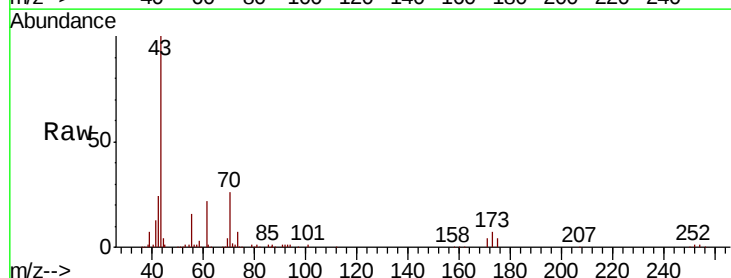
Ion Ratio Lower Upper

43 100

70 25.8 21.4 32.2

55 16.3 14.1 21.1

61 21.7 17.8 26.8

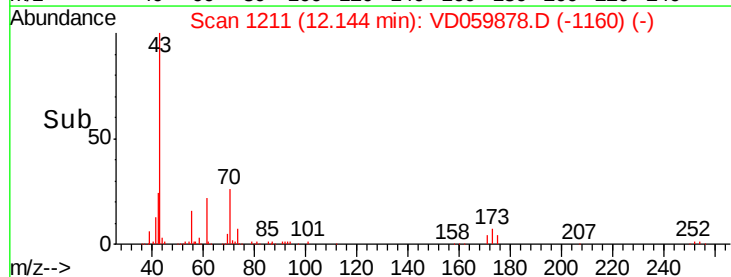
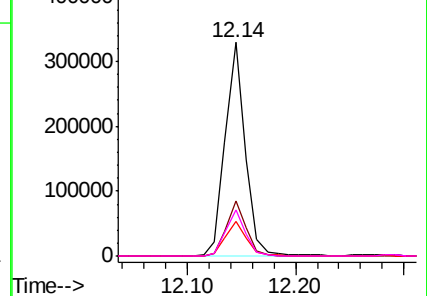


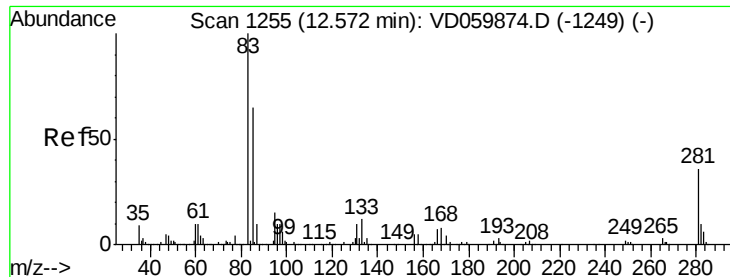
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 21.79 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 224790

Ion Ratio Lower Upper

83 100

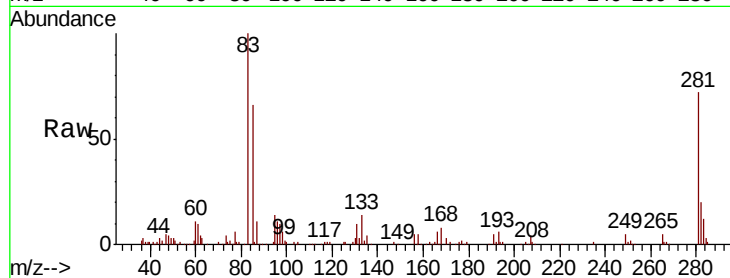
131 9.7 4.8 14.4

85 65.9 32.6 97.8

Manual Integrations
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apatel

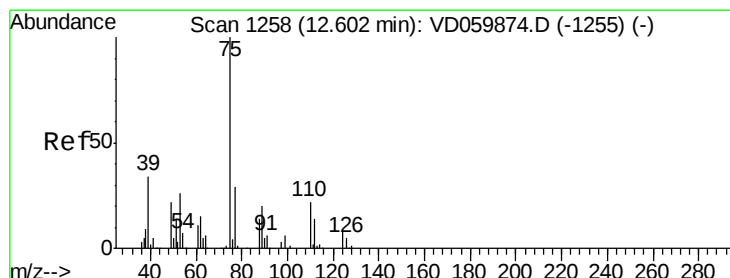
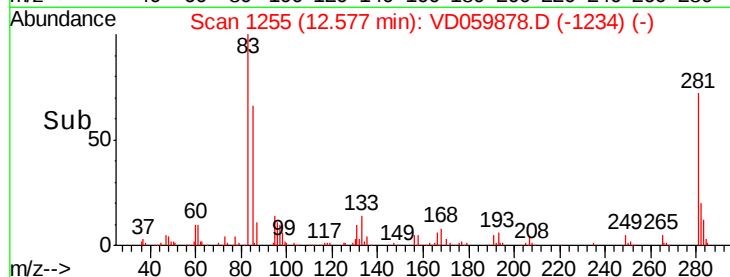
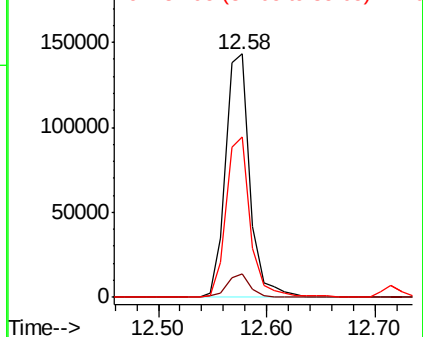
8/23/2018 10:53:12 AM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.70 ug/l

RT: 12.61 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VD059878.D

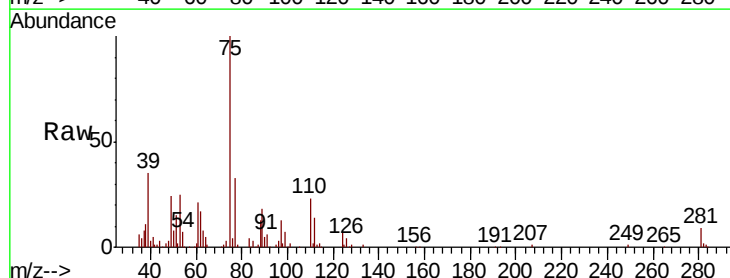
Acq: 22 Aug 2018 16:22

Tgt Ion: 75 Resp: 229962

Ion Ratio Lower Upper

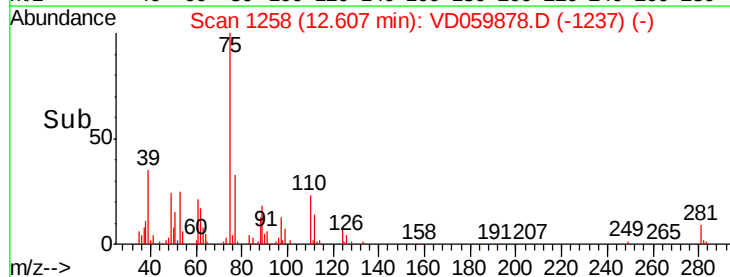
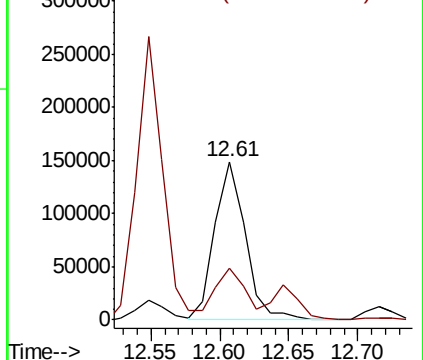
75 100

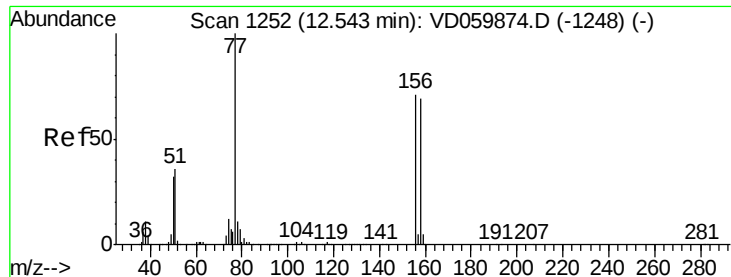
77 32.8 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





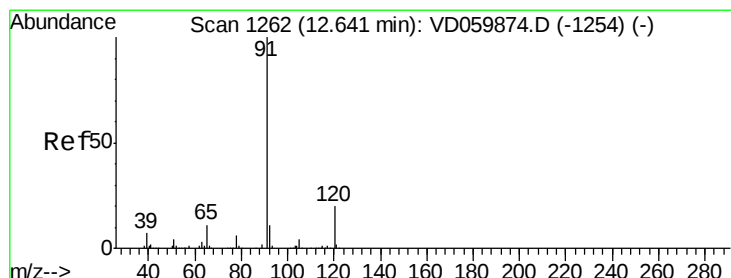
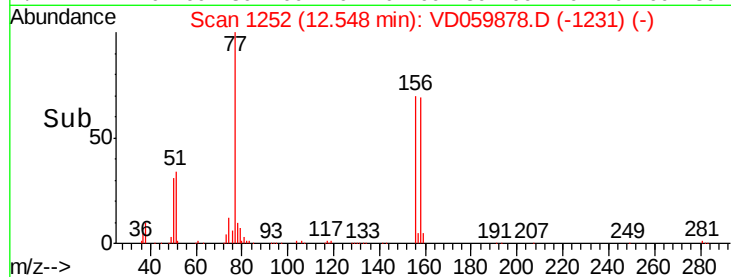
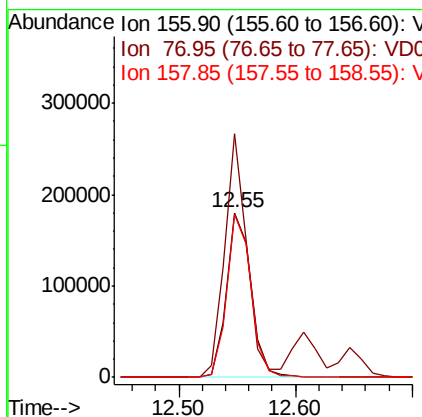
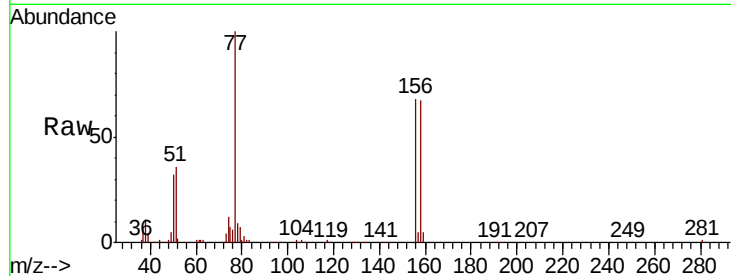
#77
Bromobenzene
Concen: 21.08 ug/l
RT: 12.55 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.8	70.2	210.4
158	98.9	48.4	145.2

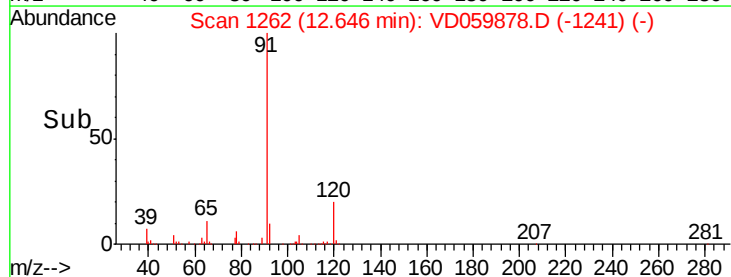
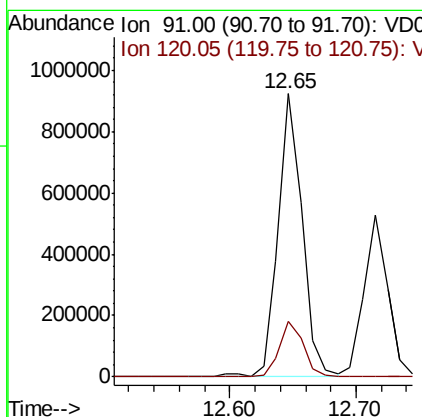
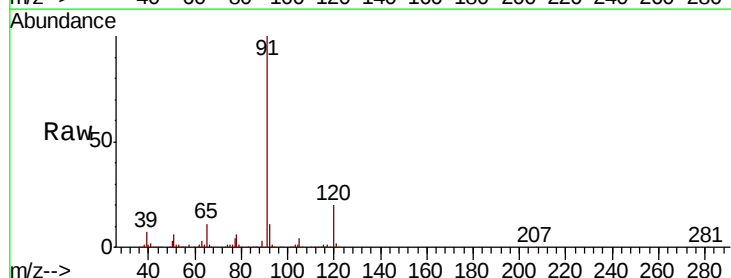
Manual Integrations
APPROVED

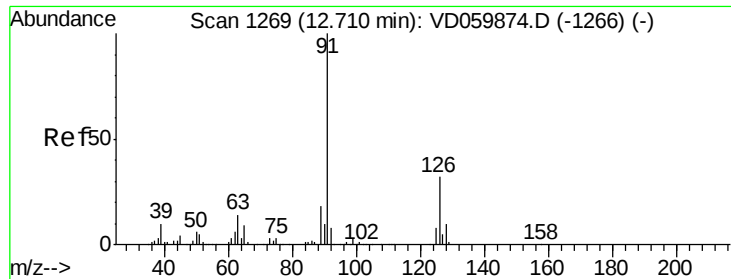
apatel
8/23/2018 10:53:12 AM



#78
n-propylbenzene
Concen: 21.87 ug/l
RT: 12.65 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.8	10.1	30.3





#79

2-Chlorotoluene

Concen: 21.50 ug/l

RT: 12.72 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 683302

Ion Ratio Lower Upper

91 100

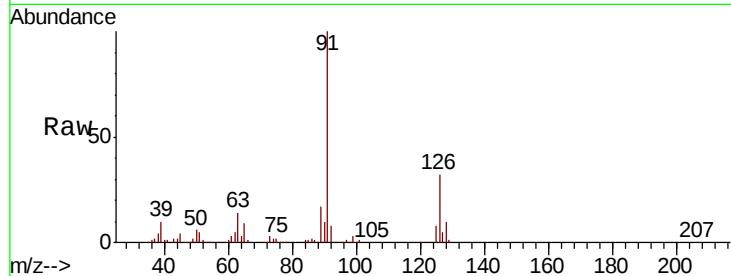
126 31.7 16.1 48.2

Manual Integrations

APPROVED

apatel

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Abundance Ion 91.00 (90.70 to 91.70): VD059874.D (-1266) (-)

Ion 125.95 (125.65 to 126.65): VD059874.D (-1266) (-)

1000000

800000

600000

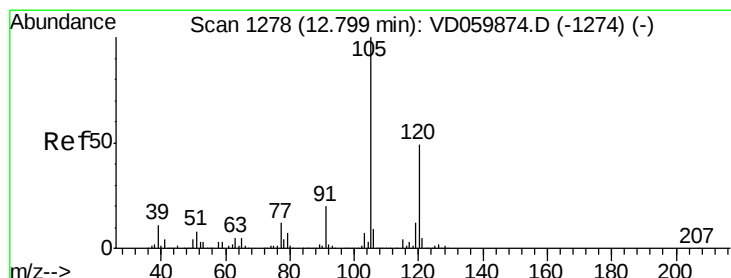
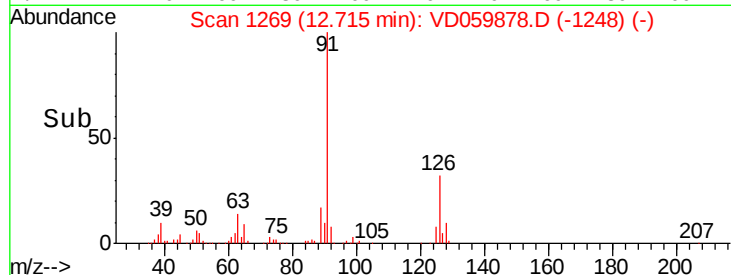
400000

200000

0

12.65 12.70 12.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.96 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VD059878.D

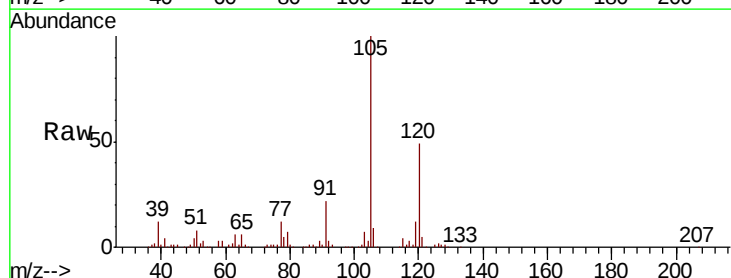
Acq: 22 Aug 2018 16:22

Tgt Ion:105 Resp: 766121

Ion Ratio Lower Upper

105 100

120 48.5 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): VD059878.D (-1257) (-)

Ion 120.05 (119.75 to 120.75): VD059878.D (-1257) (-)

600000

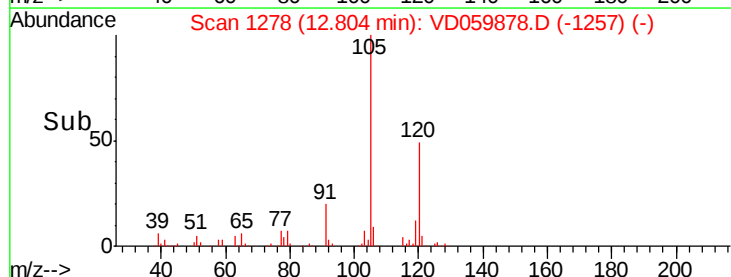
400000

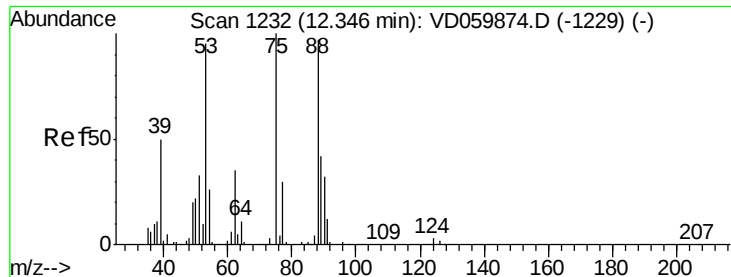
200000

0

12.70 12.80 12.90

Time-->





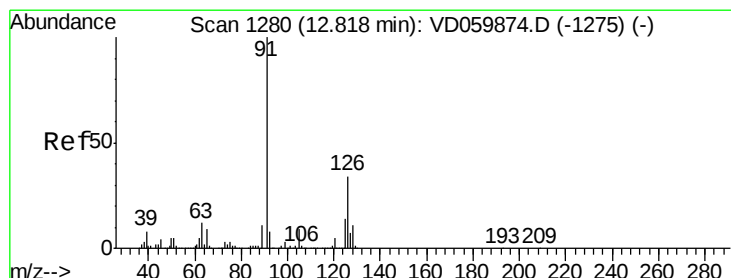
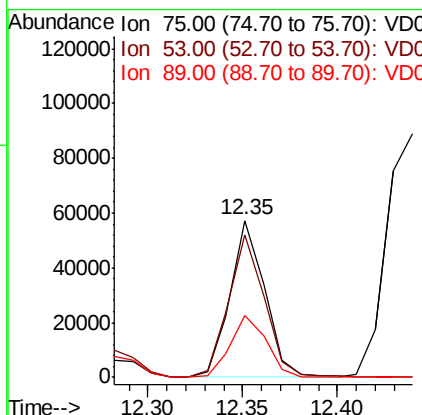
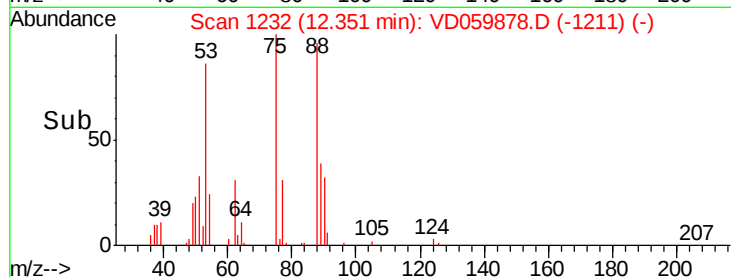
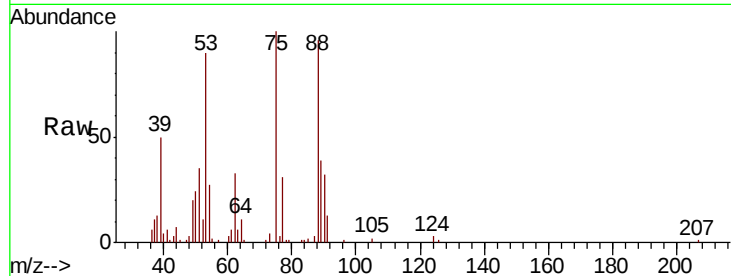
#81
trans-1,4-Dichloro-2-butene
Concen: 21.22 ug/l
RT: 12.35 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.4	75.8	113.6
89	39.0	33.6	50.4

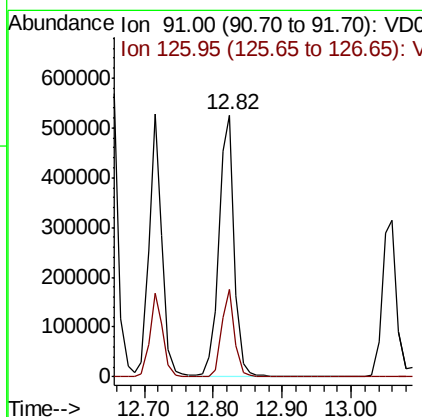
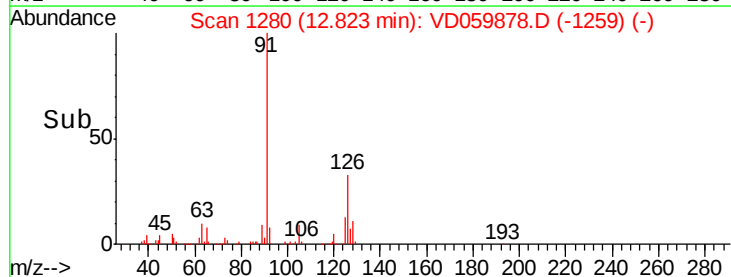
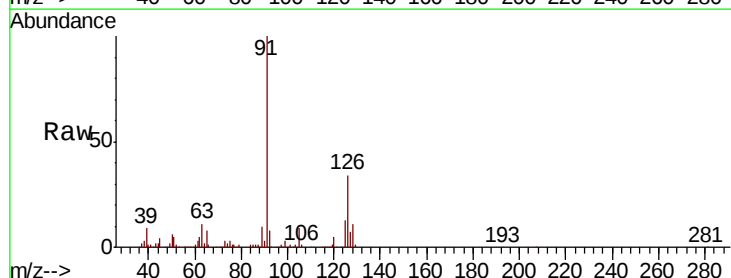
Manual Integrations
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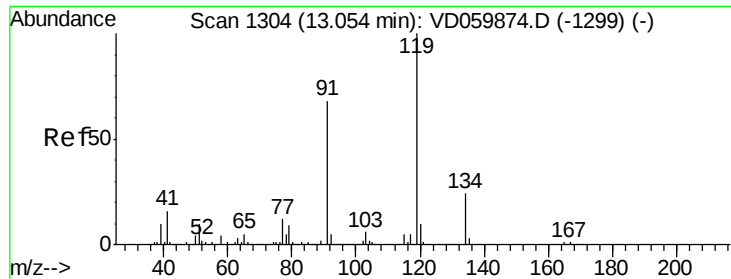
apatel
8/23/2018 10:53:12 AM



#82
4-Chlorotoluene
Concen: 22.78 ug/l
RT: 12.82 min Scan# 1280
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.1	51.2





#83

tert-Butylbenzene

Concen: 21.56 ug/l

RT: 13.06 min Scan# 1304

Delta R.T. 0.01 min

Lab File: VD059878.D

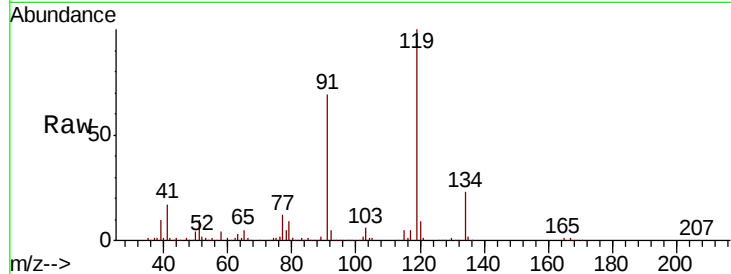
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	874457		
91	68.9		34.3	102.9
134	23.4		11.9	35.9

Manual Integrations
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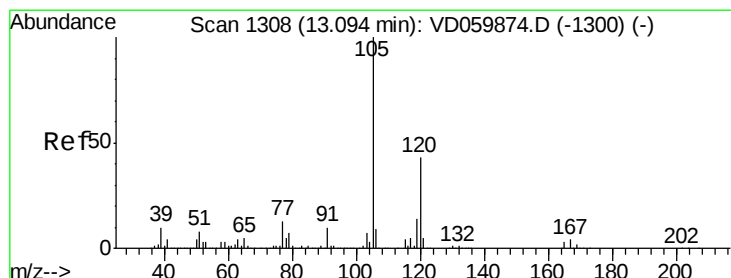
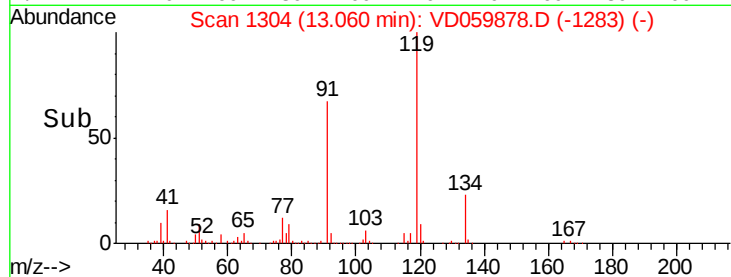
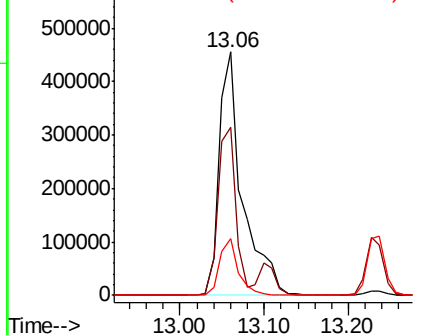
apatel
8/23/2018 10:53:12 AM



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: 21.32 ug/l

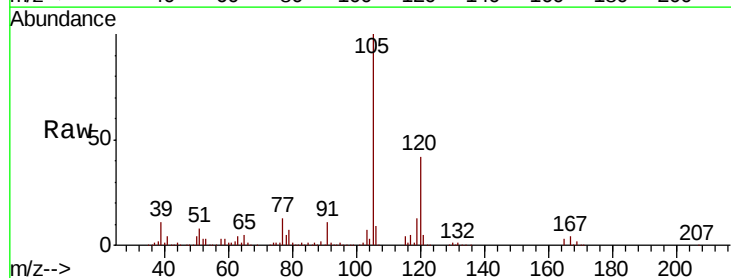
RT: 13.10 min Scan# 1308

Delta R.T. 0.01 min

Lab File: VD059878.D

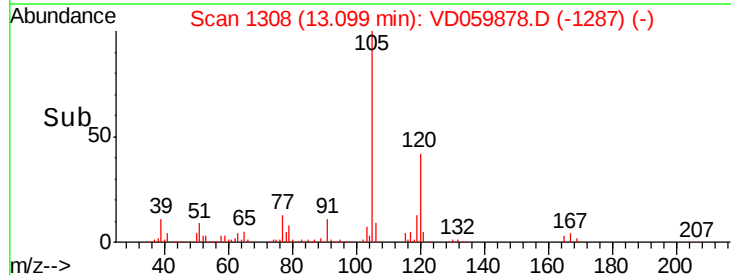
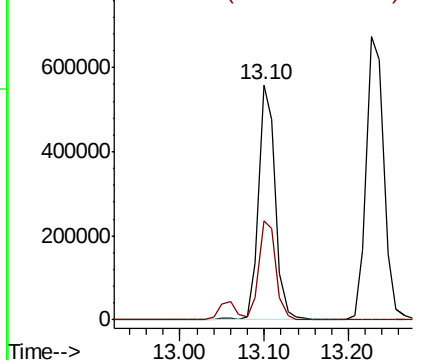
Acq: 22 Aug 2018 16:22

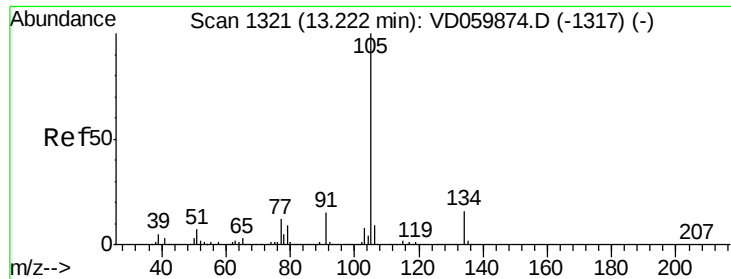
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	783509		
120	42.4		21.8	65.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





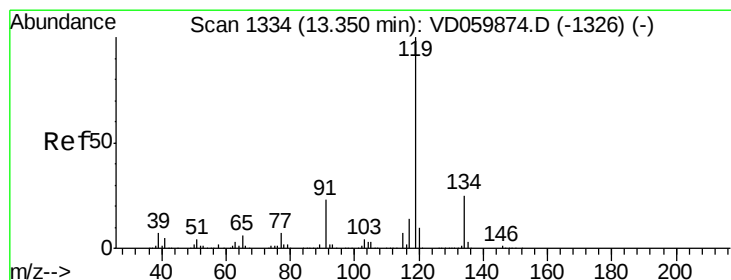
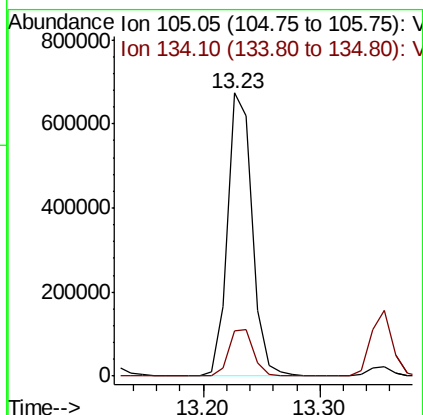
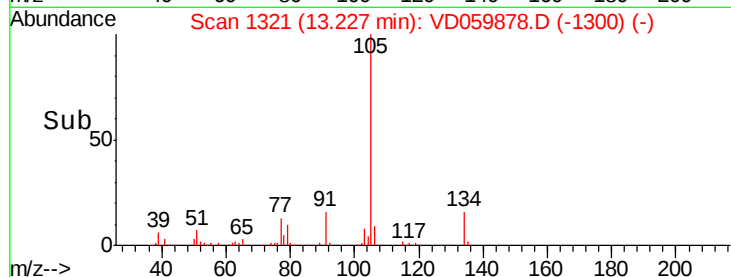
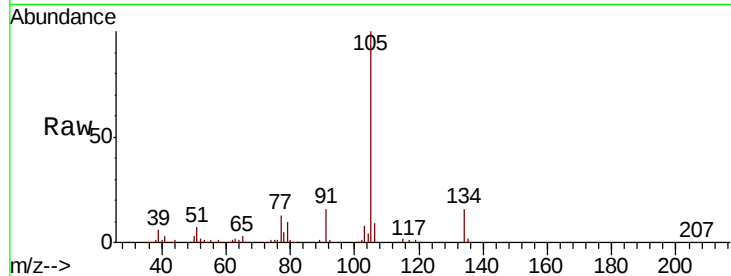
#85
 sec-Butylbenzene
 Concen: 20.64 ug/l
 RT: 13.23 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	980582		
134	15.9	8.2	24.4	

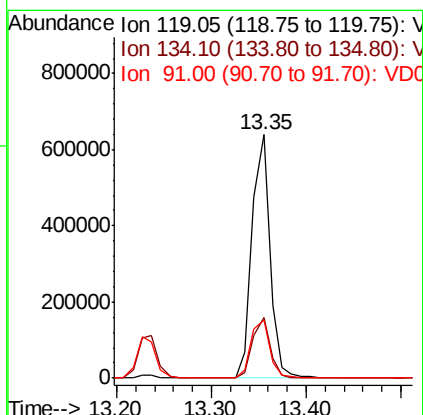
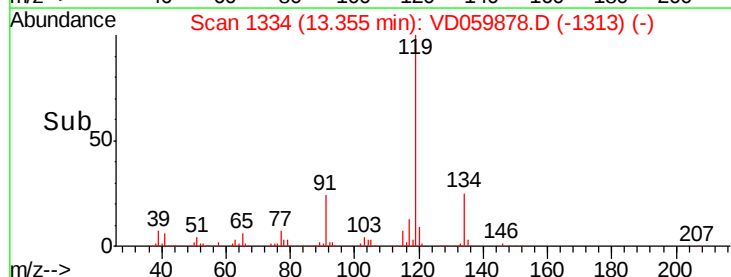
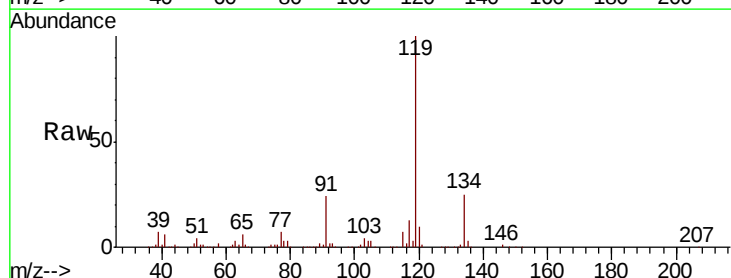
Manual Integrations
 APPROVED

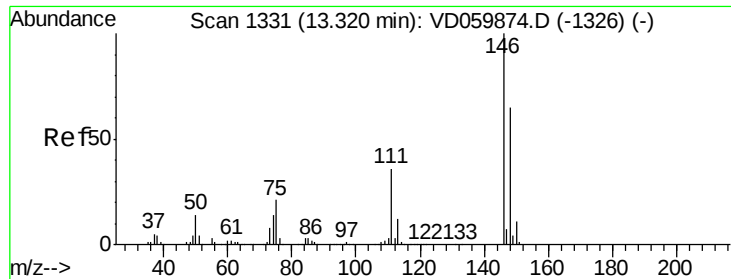
apatel
 8/23/2018 10:53:12 AM



#86
 p-Isopropyltoluene
 Concen: 21.84 ug/l
 RT: 13.35 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	839432		
134	24.7	12.7	38.1	
91	23.9	11.7	35.0	





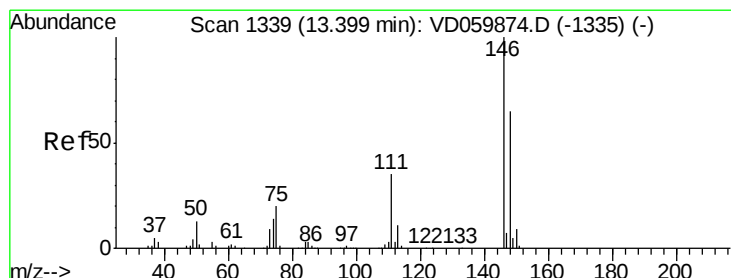
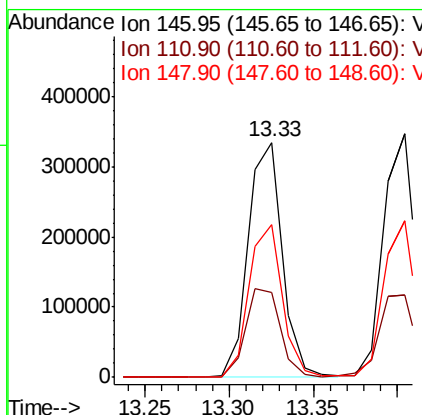
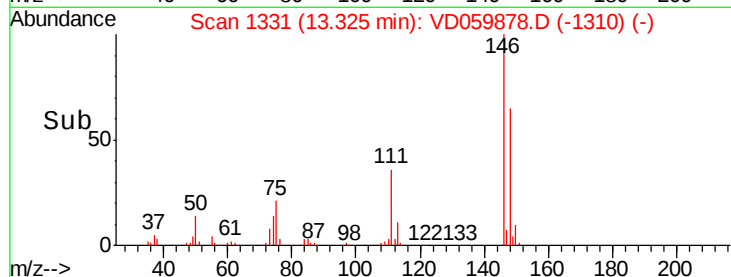
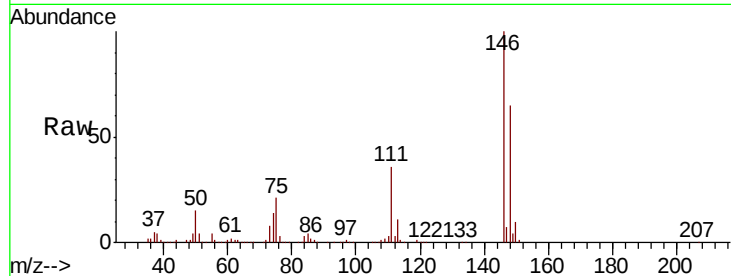
#87
 1,3-Dichlorobenzene
 Concen: 21.24 ug/l
 RT: 13.33 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.9	53.7
148	64.8	32.4	97.0

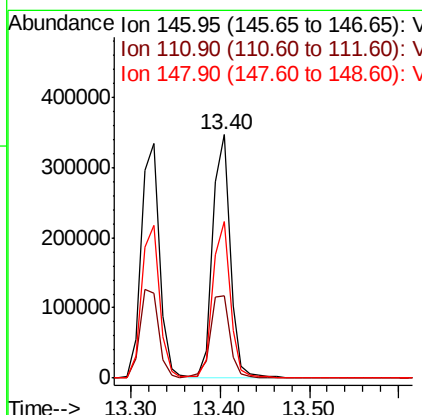
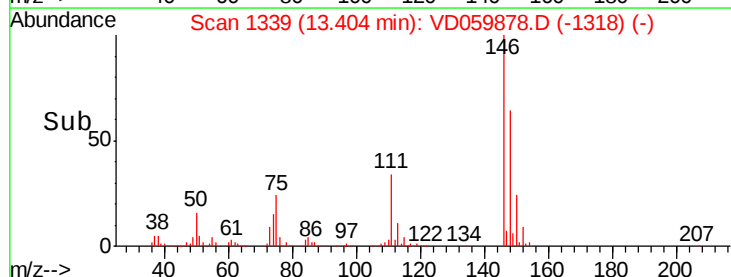
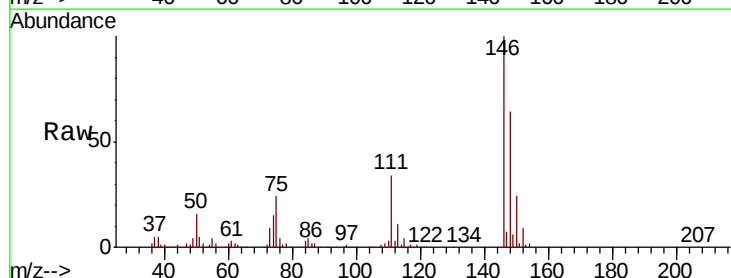
Manual Integrations
 APPROVED

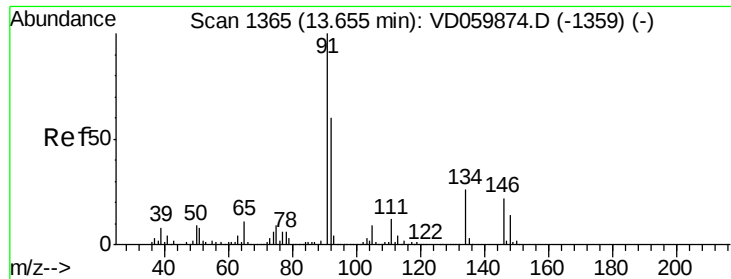
apatel
 8/23/2018 10:53:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.44 ug/l
 RT: 13.40 min Scan# 1339
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	17.5	52.6
148	64.2	32.5	97.5





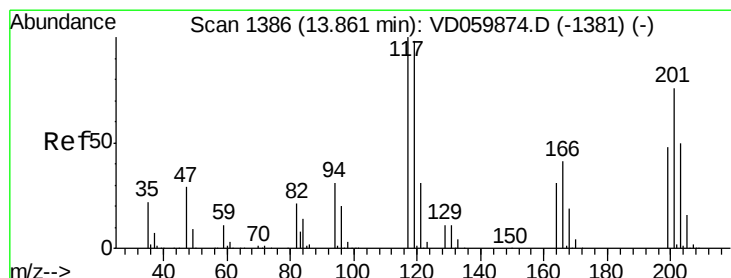
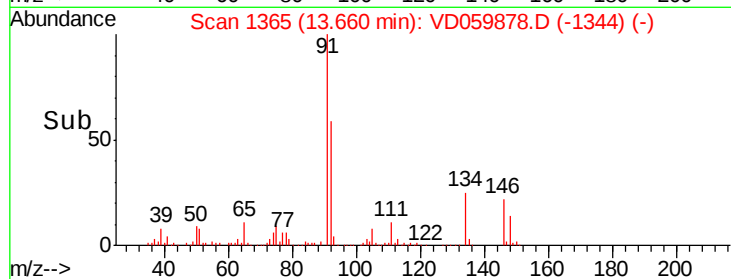
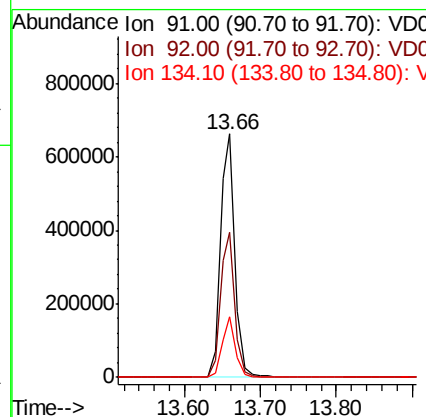
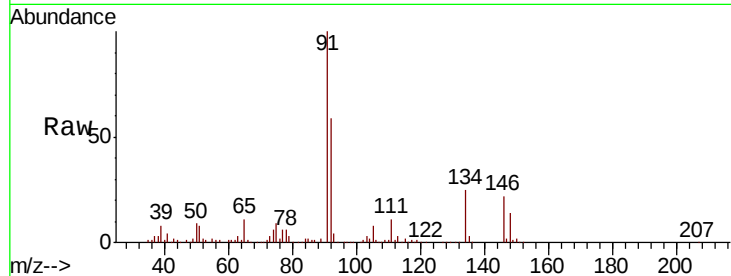
#89
n-Butylbenzene
Concen: 23.74 ug/l
RT: 13.66 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.4	30.0	90.1
134	24.8	12.8	38.4

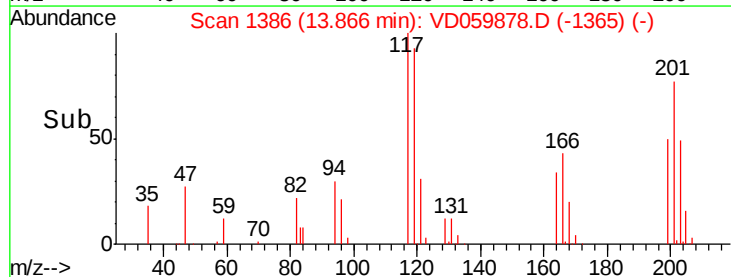
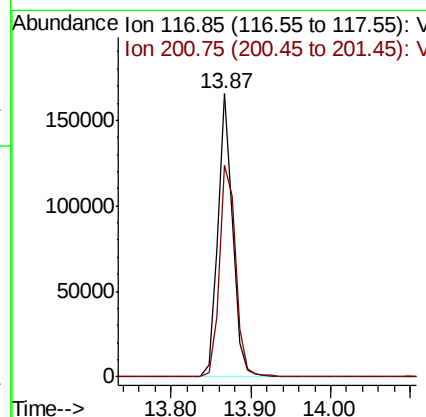
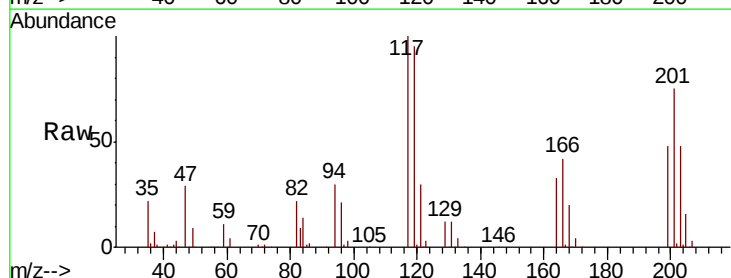
Manual Integrations
APPROVED

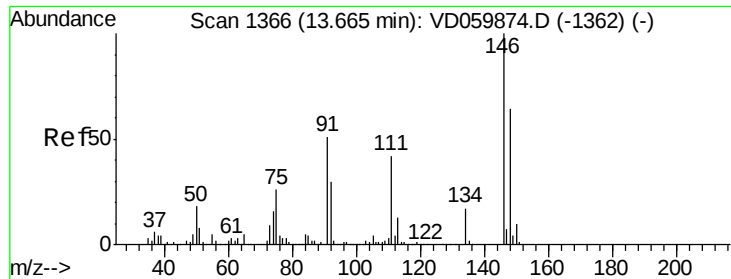
apatel
8/23/2018 10:53:12 AM



#90
Hexachloroethane
Concen: 20.85 ug/l
RT: 13.87 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.0	38.1	114.5





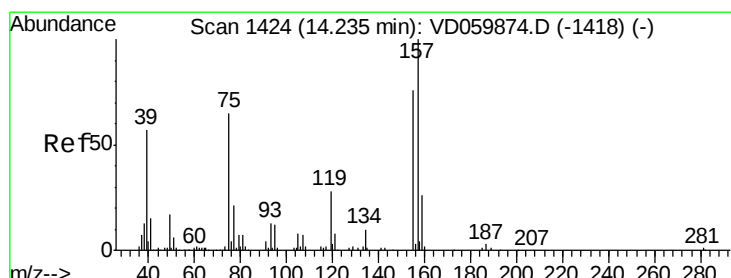
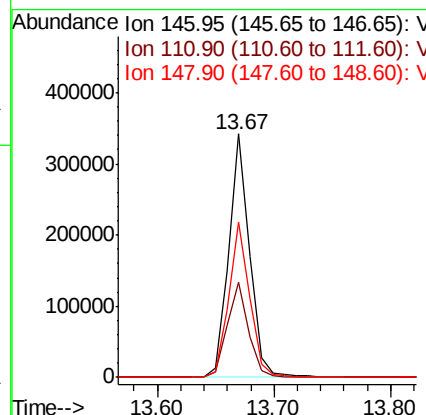
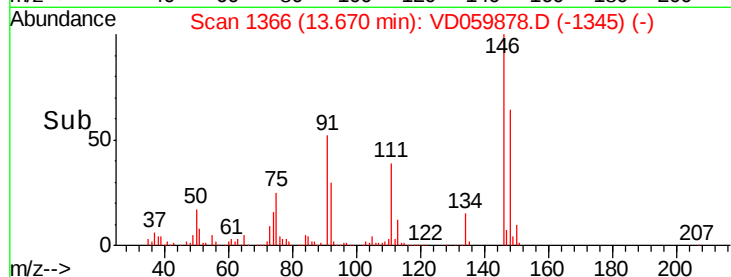
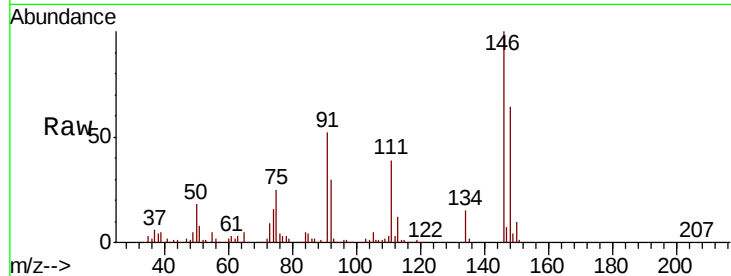
#91
 1,2-Dichlorobenzene
 Concen: 23.01 ug/l
 RT: 13.67 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.1	63.1
148	64.0	32.2	96.6

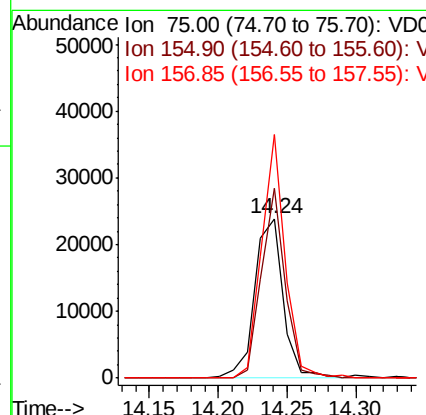
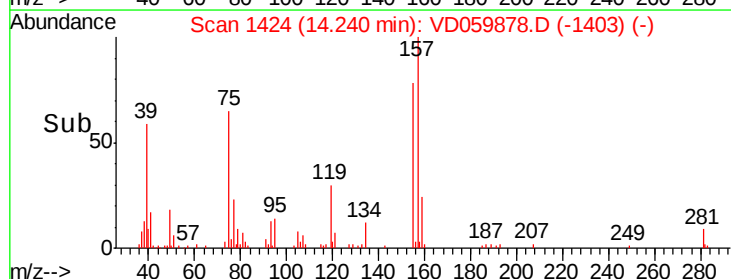
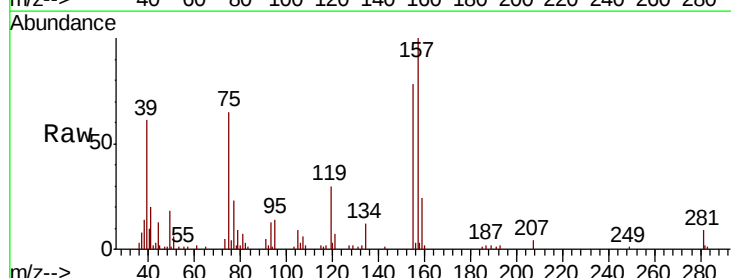
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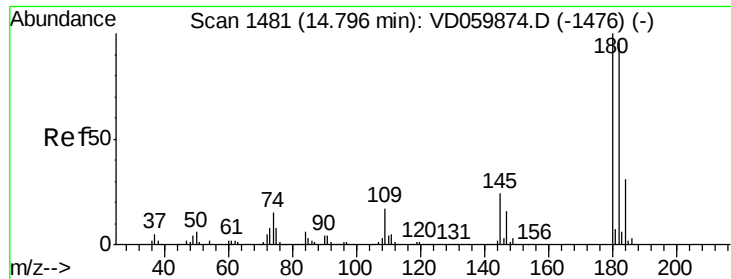
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.36 ug/l
 RT: 14.24 min Scan# 1424
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	119.1	58.2	174.6
157	153.0	76.8	230.4





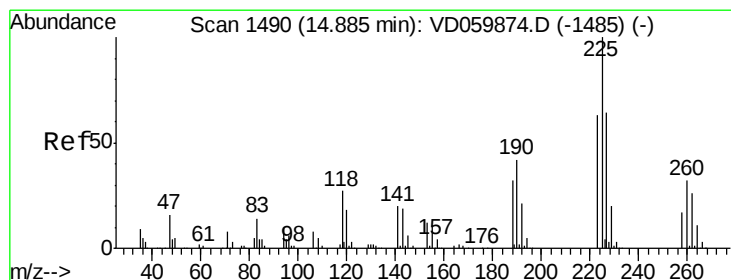
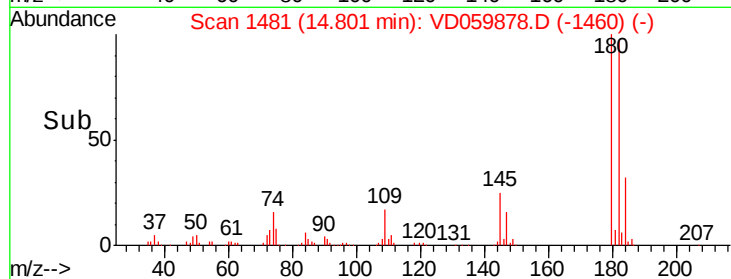
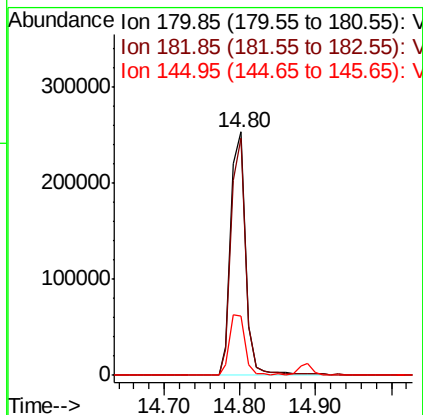
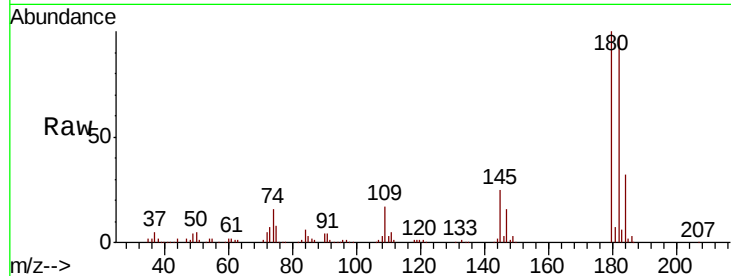
#93
 1,2,4-Trichlorobenzene
 Concen: 21.92 ug/l
 RT: 14.80 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.9	143.7
145	24.6	12.2	36.4

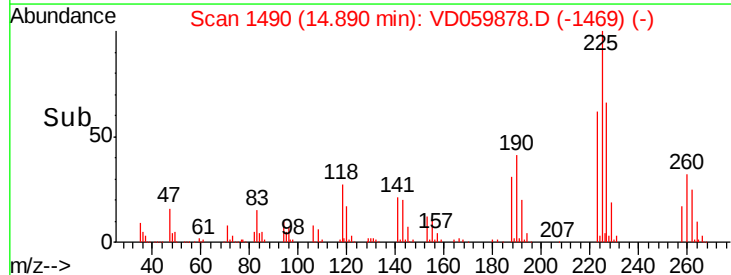
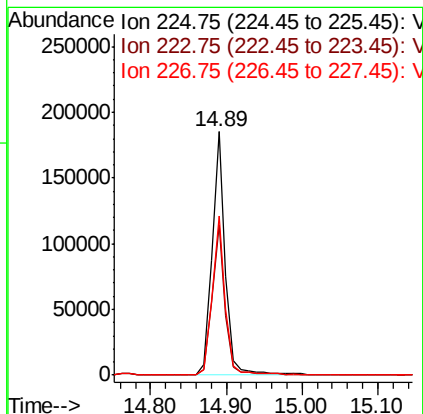
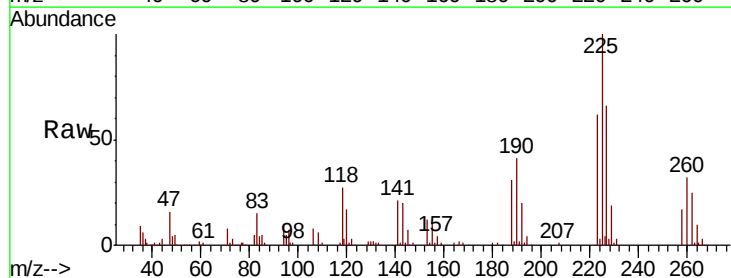
Manual Integrations
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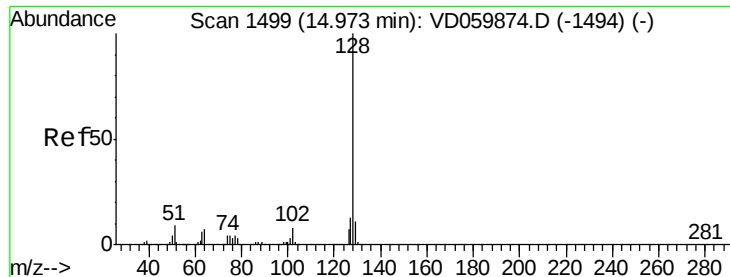
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#94
 Hexachlorobutadiene
 Concen: 21.80 ug/l
 RT: 14.89 min Scan# 1490
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.6	94.8
227	65.5	32.0	96.0





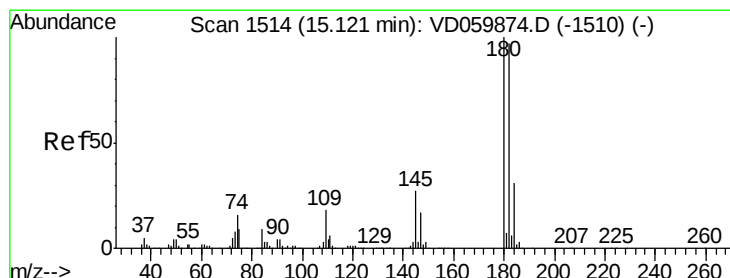
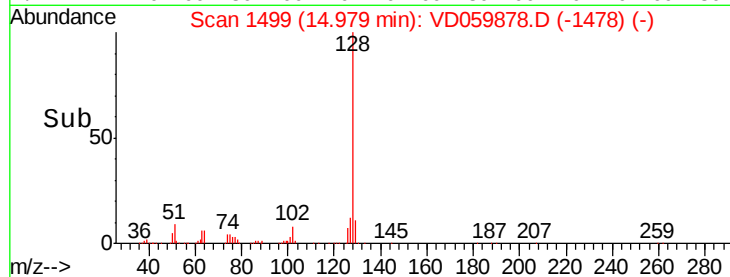
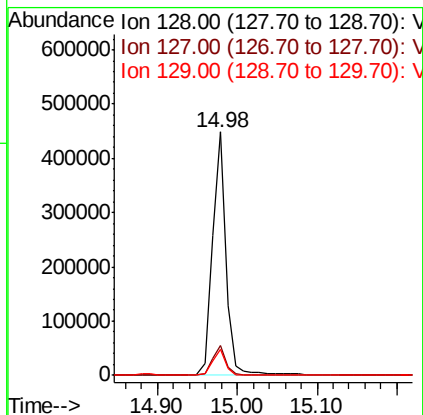
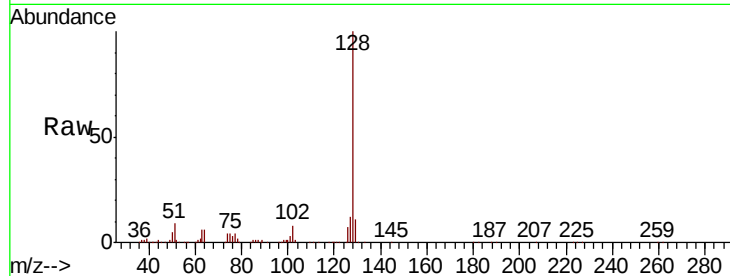
#95
Naphthalene
Concen: 21.24 ug/l
RT: 14.98 min Scan# 1499
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.0	15.0
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.12 ug/l
RT: 15.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.6	145.8
145	27.6	13.6	40.8

