

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059963.D
 Acq On : 5 Sep 2018 12:20
 Operator : JC/SY
 Sample : VD0905SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Manual Integrations
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 9/6/2018 2:16:48 PM

Quant Time: Sep 05 15:08:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1167729	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1601800	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1358007	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	754938	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	497433	50.54	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	6.30	113	638600	50.85	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	9.44	98	1751435	50.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.42	95	692471	48.92	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	177186	16.97	ug/l	99
3) Chloromethane	1.73	50	159100	16.83	ug/l	97
4) Vinyl Chloride	1.83	62	131390	17.72	ug/l	97
5) Bromomethane	2.12	94	11371	8.88	ug/l	97
6) Chloroethane	2.22	64	33299	12.36	ug/l	95
7) Trichlorofluoromethane	2.47	101	167572	19.54	ug/l	99
8) Diethyl Ether	2.80	74	37110	19.28	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.05	101	112921	21.50	ug/l	96
10) Methyl Iodide	3.21	142	91647	18.71	ug/l	98
11) Tert butyl alcohol	3.96	59	80054	106.60	ug/l	98
12) 1,1-Dichloroethene	3.04	96	82861	20.26	ug/l	90
13) Acrolein	2.95	56	20408	62.66	ug/l	93
14) Allyl chloride	3.49	41	187290	20.24	ug/l	97
15) Acrylonitrile	4.06	53	296895	105.57	ug/l	99
16) Acetone	3.13	43	181131	101.01	ug/l	97
17) Carbon Disulfide	3.28	76	191009	15.05	ug/l	99
18) Methyl Acetate	3.52	43	72503	19.37	ug/l	94
19) Methyl tert-butyl Ether	4.09	73	460871	19.92	ug/l	99
20) Methylene Chloride	3.68	84	362892	28.74	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	215106	19.09	ug/l	97
22) Diisopropyl ether	4.82	45	988735	20.96	ug/l	99
23) Vinyl Acetate	4.77	43	2908791	110.28	ug/l	99
24) 1,1-Dichloroethane	4.72	63	425202	20.86	ug/l	99
25) 2-Butanone	5.59	43	491762	92.60	ug/l	99
26) 2,2-Dichloropropane	5.55	77	344020	20.19	ug/l	98
27) cis-1,2-Dichloroethene	5.56	96	257725	20.89	ug/l	95
28) Bromochloromethane	5.90	49	210500	21.55	ug/l	97
29) Tetrahydrofuran	5.93	42	270030	106.80	ug/l	100
30) Chloroform	6.07	83	440410	21.26	ug/l	100
31) Cyclohexane	6.34	56	328980	17.56	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	338574	19.26	ug/l	99
36) 1,1-Dichloropropene	6.50	75	303447	20.90	ug/l	95
37) Ethyl Acetate	5.67	43	240898	21.32	ug/l	97
38) Carbon Tetrachloride	6.47	117	291696	19.91	ug/l	99

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 Misc : 5.00g/5ml/MSVOA D/SOIL
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Quant Time: Sep 05 15:08:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	309179	19.71	ug/l	95
40) Benzene	6.76	78	813428	21.54	ug/l	100
41) Methacrylonitrile	5.90	41	120404m	21.15	ug/l	
42) 1,2-Dichloroethane	6.87	62	252354	20.82	ug/l	99
43) Isopropyl Acetate	8.33	43	309915	21.08	ug/l #	99
44) Trichloroethene	7.72	130	236462	21.27	ug/l	93
45) 1,2-Dichloropropane	8.08	63	226063	21.42	ug/l	98
46) Dibromomethane	8.19	93	141235	20.81	ug/l	99
47) Bromodichloromethane	8.46	83	322157	20.97	ug/l	100
48) Methyl methacrylate	8.23	41	176173	20.56	ug/l	96
49) 1,4-Dioxane	8.21	88	32607	426.22	ug/l	94
51) 4-Methyl-2-Pentanone	9.32	43	1014096	92.54	ug/l	96
52) Toluene	9.53	92	463845	19.16	ug/l	96
53) t-1,3-Dichloropropene	9.90	75	292665	20.60	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	343660	20.86	ug/l	97
55) 1,1,2-Trichloroethane	10.17	97	189552	21.42	ug/l	98
56) Ethyl methacrylate	10.01	69	214702	21.02	ug/l	100
57) 1,3-Dichloropropane	10.36	76	288744	22.54	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	568968	116.13	ug/l	96
59) 2-Hexanone	10.47	43	783360	96.91	ug/l	96
60) Dibromochloromethane	10.62	129	233594	21.00	ug/l	97
61) 1,2-Dibromoethane	10.75	107	190394	21.28	ug/l	96
64) Tetrachloroethene	10.24	164	216397	20.61	ug/l	97
65) Chlorobenzene	11.30	112	595443	22.06	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.41	131	211535	21.46	ug/l	99
67) Ethyl Benzene	11.42	91	981006	21.61	ug/l	99
68) m/p-Xylenes	11.55	106	739166	44.72	ug/l	96
69) o-Xylene	11.93	106	350786	21.70	ug/l	98
70) Styrene	11.95	104	617729	22.07	ug/l	99
71) Bromoform	12.11	173	164975	19.34	ug/l	98
73) Isopropylbenzene	12.26	105	1019600	21.16	ug/l	100
74) N-amyl acetate	12.13	43	408701	19.37	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	227292	20.39	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	242340	20.65	ug/l	100
77) Bromobenzene	12.53	156	279178	20.89	ug/l	96
78) n-propylbenzene	12.63	91	1307127	21.42	ug/l	98
79) 2-Chlorotoluene	12.70	91	710148	20.58	ug/l	100
80) 1,3,5-Trimethylbenzene	12.78	105	808243	21.10	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	63723	17.46	ug/l	98
82) 4-Chlorotoluene	12.80	91	835576	21.23	ug/l	98
83) tert-Butylbenzene	13.04	119	888350	20.35	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	803790	20.13	ug/l	99
85) sec-Butylbenzene	13.22	105	1076497	20.97	ug/l	96
86) p-Isopropyltoluene	13.34	119	869123	20.82	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	515556	21.61	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	517689	21.75	ug/l	99
89) n-Butylbenzene	13.64	91	909827	20.15	ug/l	98
90) Hexachloroethane	13.85	117	199297	17.78	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	442530	21.82	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	32789	19.13	ug/l	87

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

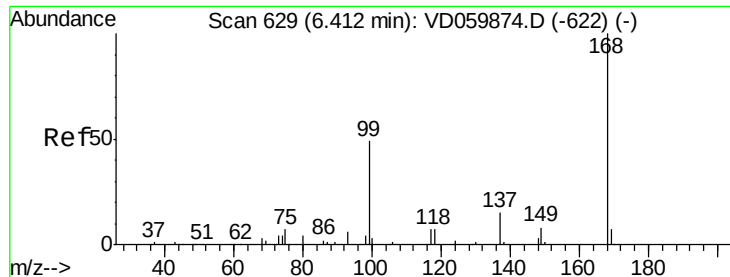
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	359508	20.70	ug/l	100
94) Hexachlorobutadiene	14.87	225	233988	20.55	ug/l	99
95) Naphthalene	14.96	128	543662	20.49	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	300582	20.24	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion:168 Resp: 1167729

Ion Ratio Lower Upper

168 100

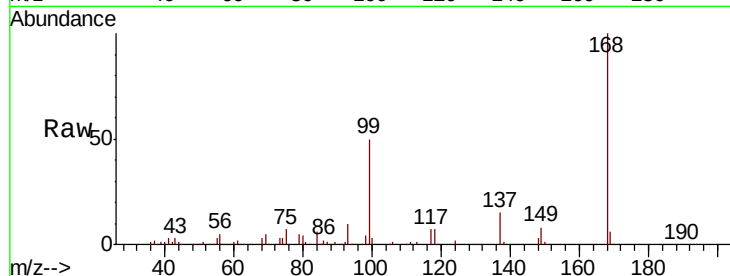
99 50.4 42.2 63.2

Manual Integrations

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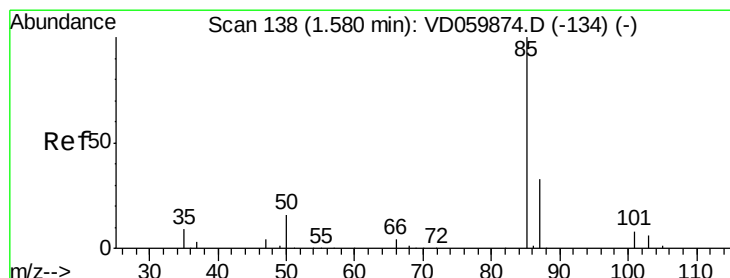
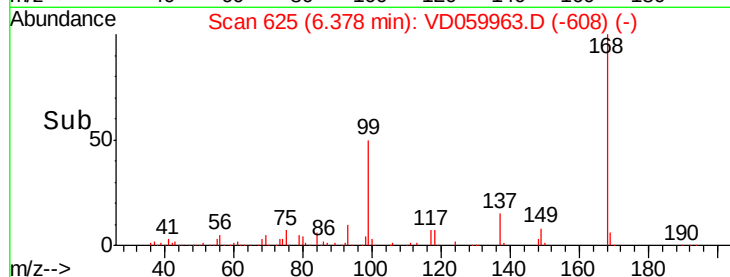
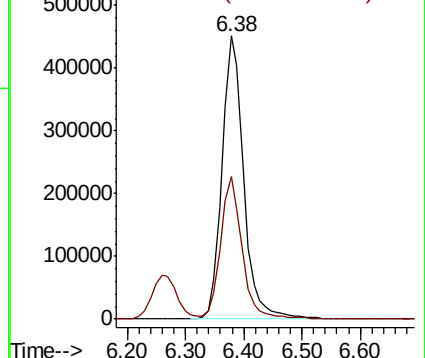
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.97 ug/l

RT: 1.57 min Scan# 136

Delta R.T. -0.01 min

Lab File: VD059963.D

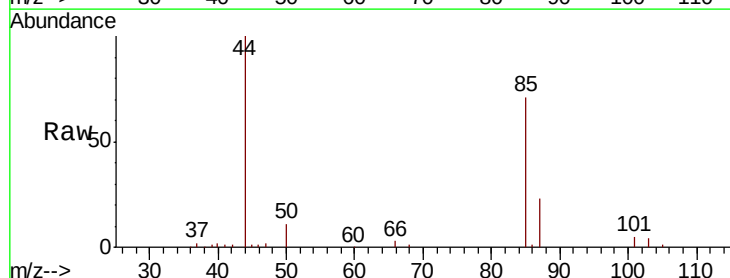
Acq: 5 Sep 2018 12:20

Tgt Ion: 85 Resp: 177186

Ion Ratio Lower Upper

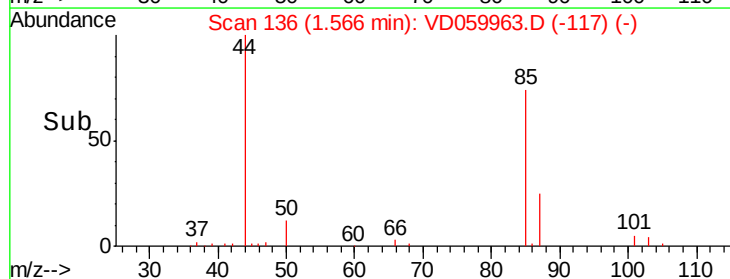
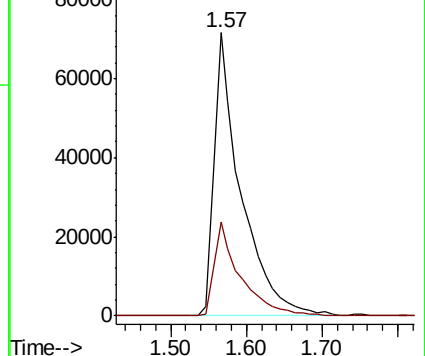
85 100

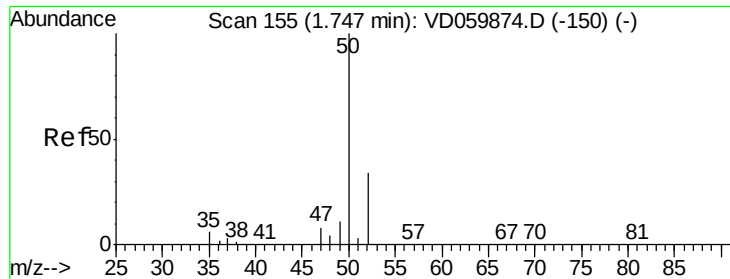
87 33.1 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.83 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

Tot Ion: 50 Resp: 159100

Ion Ratio Lower Upper

50 100

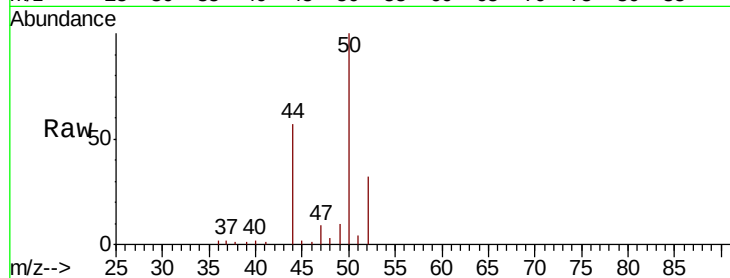
52 32.3 27.0 40.6

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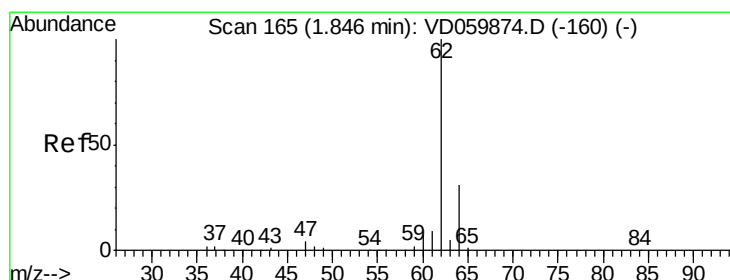
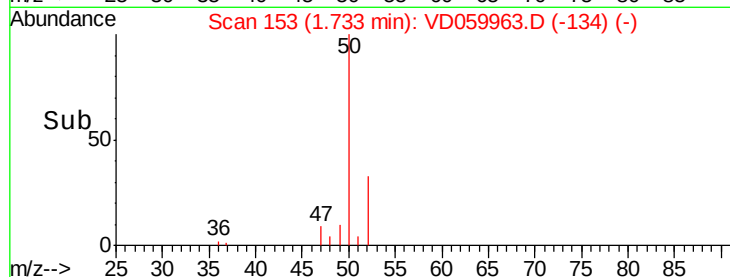
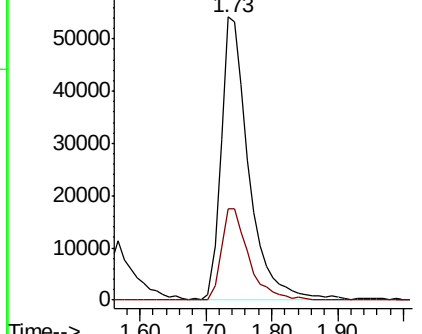
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.72 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD059963.D

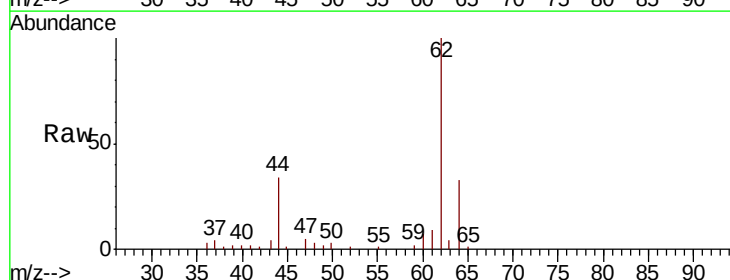
Acq: 5 Sep 2018 12:20

Tgt Ion: 62 Resp: 131390

Ion Ratio Lower Upper

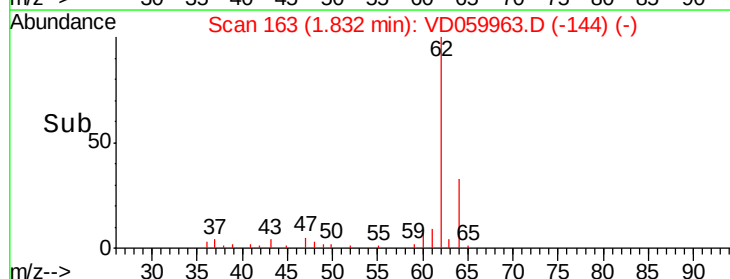
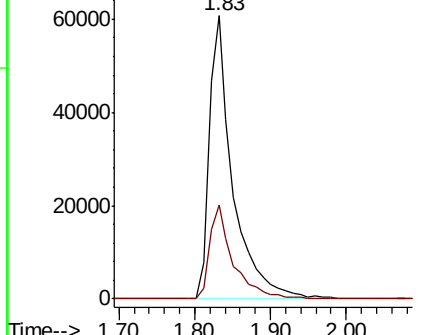
62 100

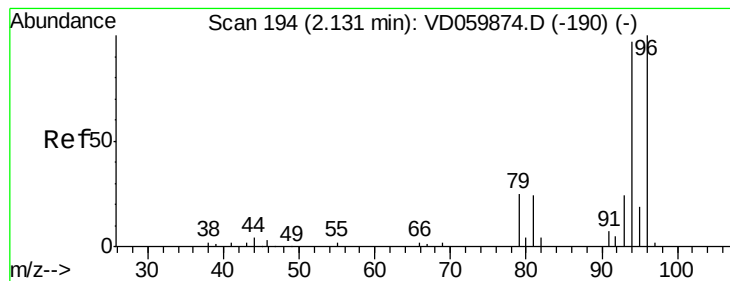
64 33.1 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 8.88 ug/l

RT: 2.12 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Tot Ion: 94 Resp: 11371

Ion Ratio Lower Upper

94 100

96 99.5 82.4 123.6

Instrument :

MSVOA_D

ClientSampleId :

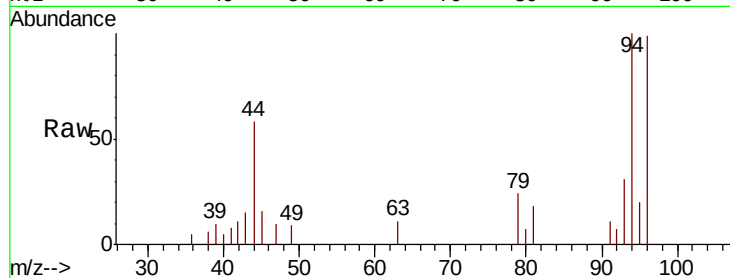
VD0905SBS01

Manual Integrations

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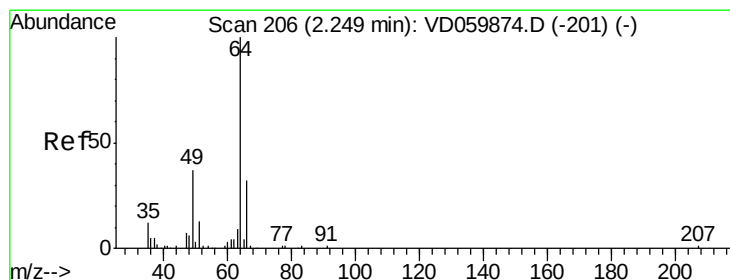
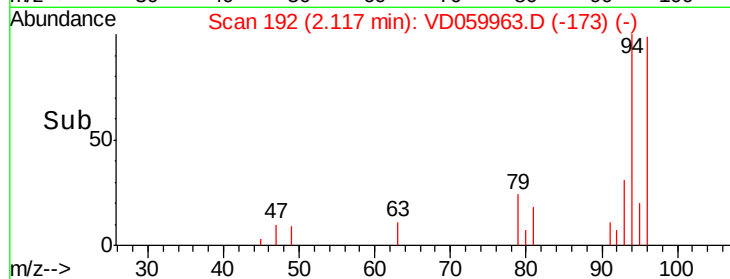
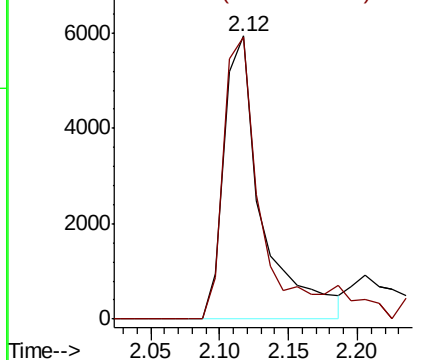
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.36 ug/l

RT: 2.22 min Scan# 202

Delta R.T. -0.03 min

Lab File: VD059963.D

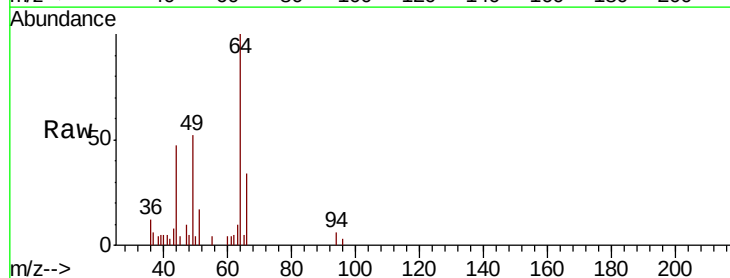
Acq: 5 Sep 2018 12:20

Tgt Ion: 64 Resp: 33299

Ion Ratio Lower Upper

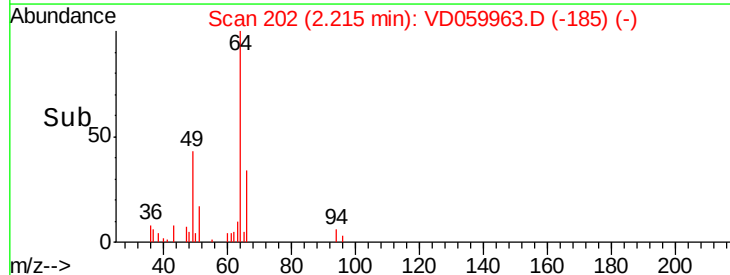
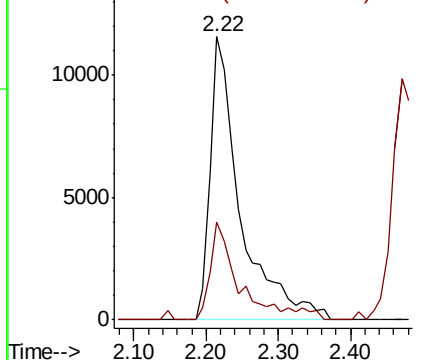
64 100

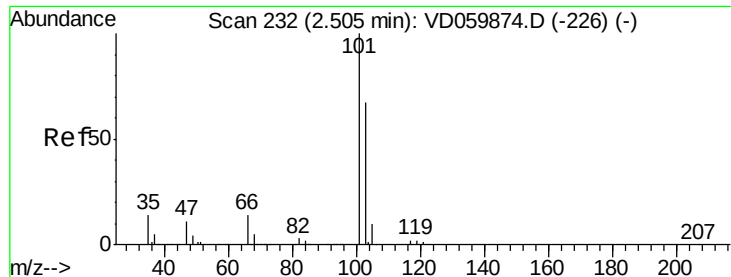
66 34.4 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

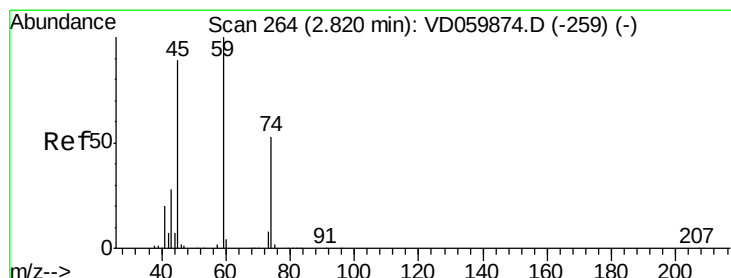
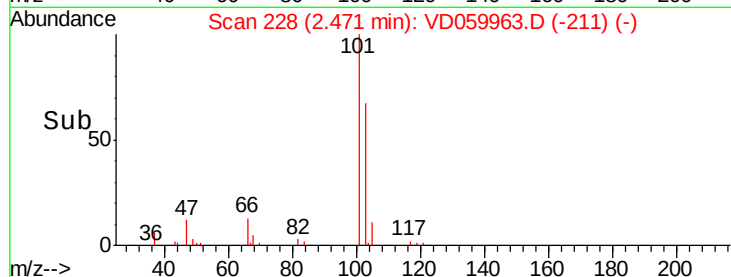
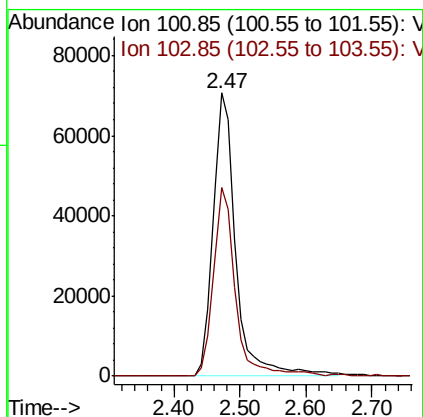
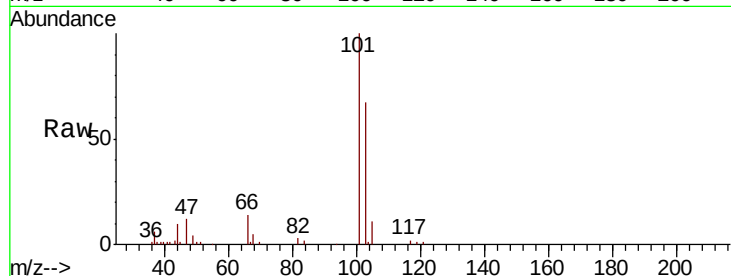
Trichlorofluoromethane
 Concen: 19.54 ug/l
 RT: 2.47 min Scan# 228
 Delta R.T. -0.03 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	167572		
103	66.6	53.7	80.5	

Manual Integrations
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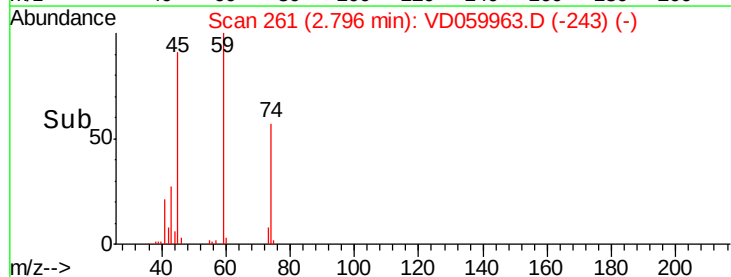
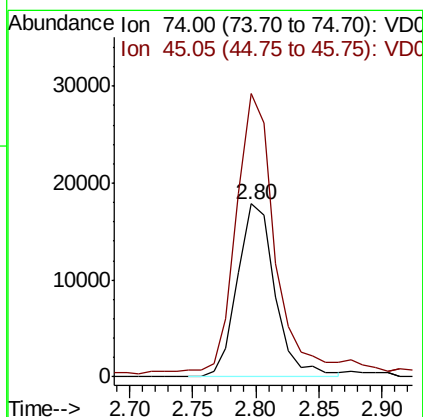
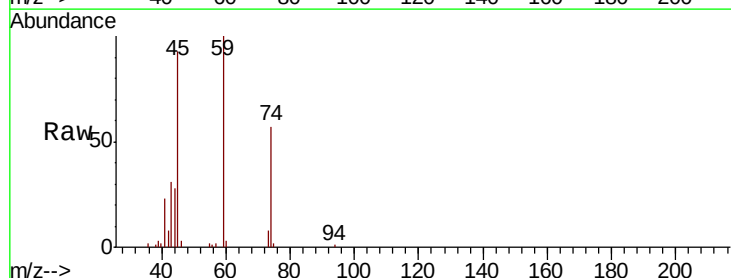
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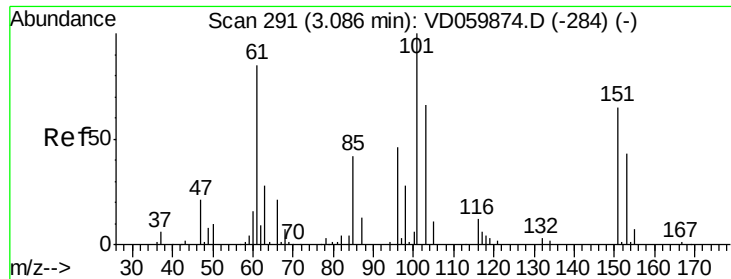


#8

Diethyl Ether
 Concen: 19.28 ug/l
 RT: 2.80 min Scan# 261
 Delta R.T. -0.02 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37110		
45	163.4	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.50 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

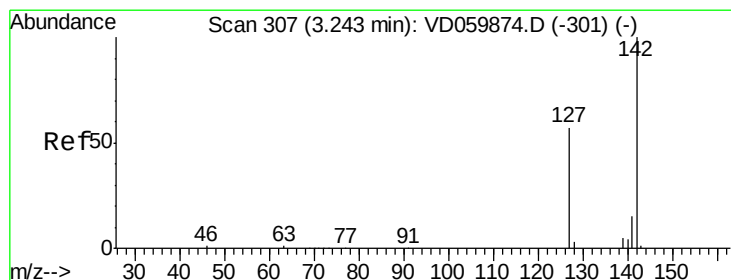
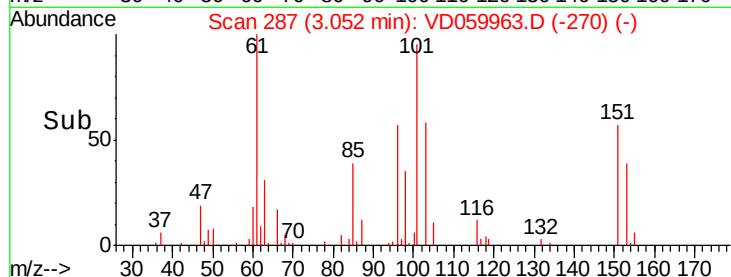
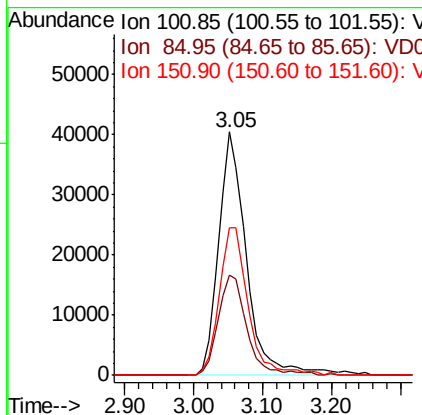
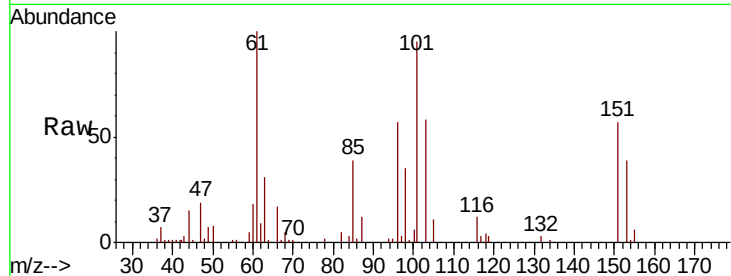
ClientSampleId :

VD0905SBSD01

Tot Ion:	101	Resp:	112921
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.6	50.4
151	60.4	52.0	78.0

Manual Integrations
APPROVED

apatel
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#10

Methyl Iodide

Concen: 18.71 ug/l

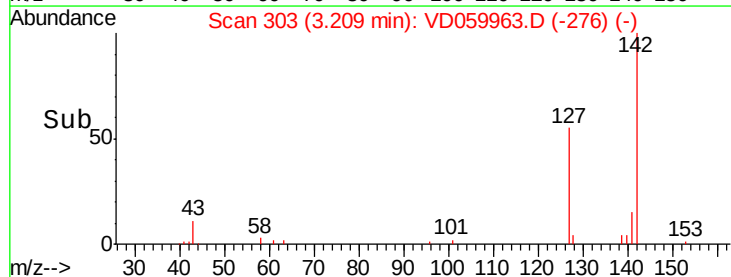
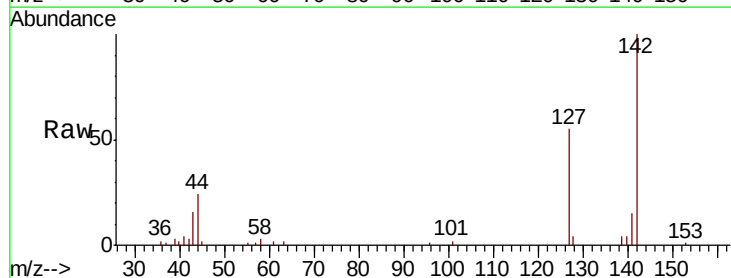
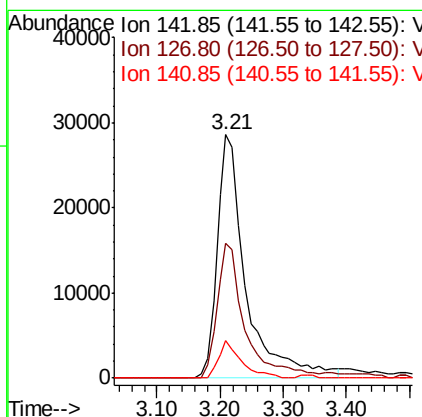
RT: 3.21 min Scan# 303

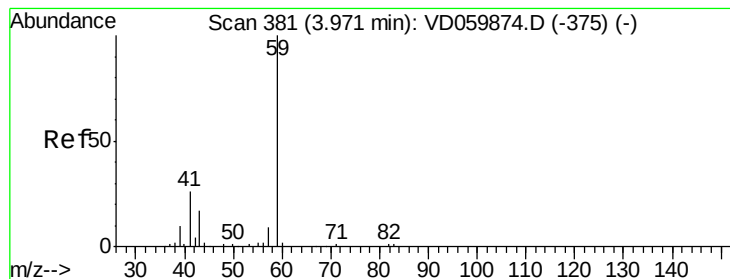
Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Tgt Ion:	142	Resp:	91647
Ion Ratio	Lower	Upper	
142	100		
127	55.3	45.8	68.6
141	15.2	11.6	17.4





#11

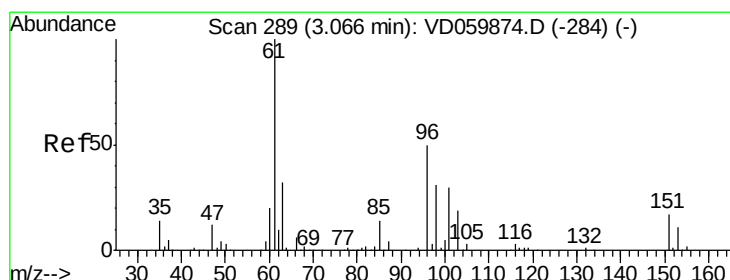
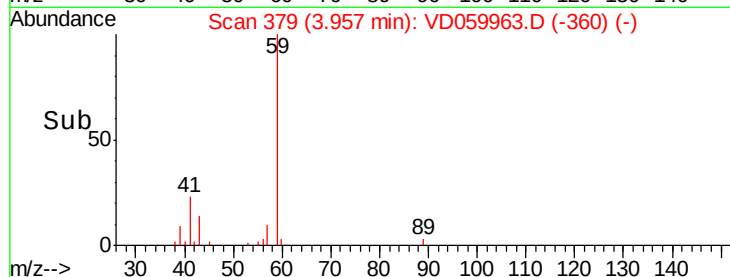
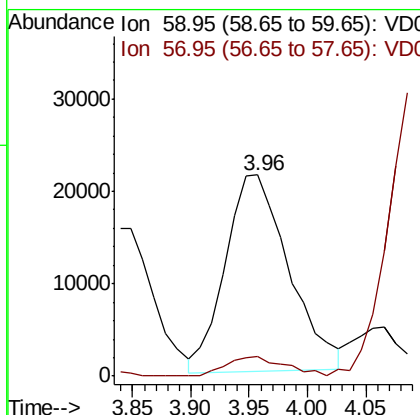
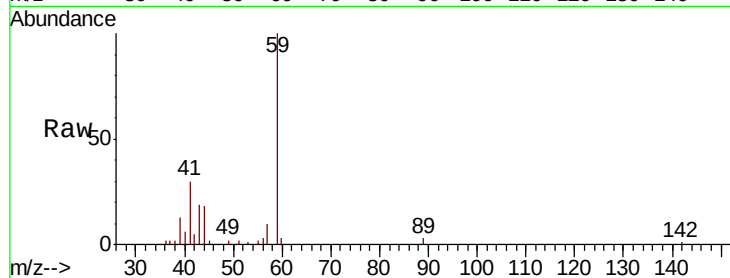
Tert butyl alcohol
 Concen: 106.60 ug/l
 RT: 3.96 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion	59	Resp	80054
Ion Ratio	100	Lower	Upper
57	10.0	7.4	11.0

Manual Integrations
 APPROVED

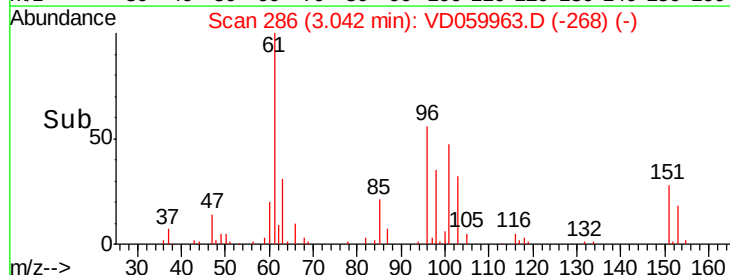
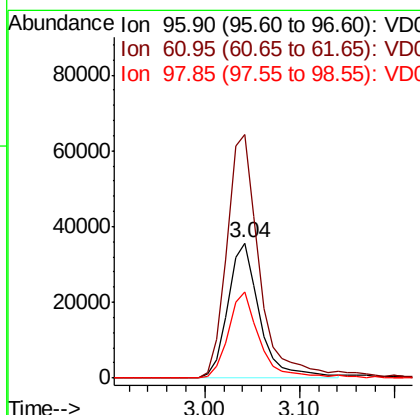
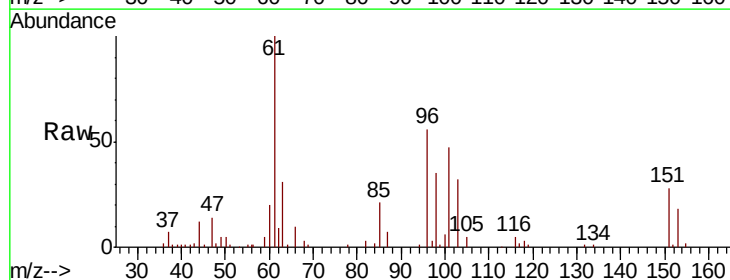
apatel
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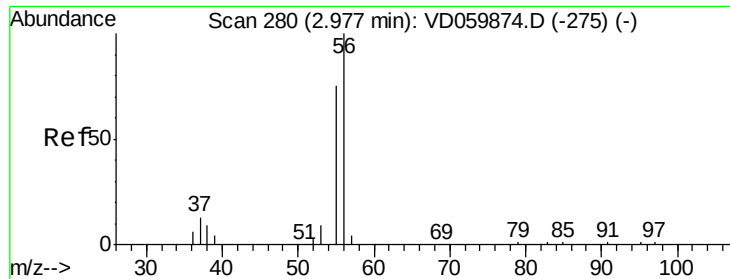


#12

1,1-Dichloroethene
 Concen: 20.26 ug/l
 RT: 3.04 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion	96	Resp	82861
Ion Ratio	100	Lower	Upper
61	179.8	158.8	238.2
98	63.7	48.7	73.1





#13

Acrolein

Concen: 62.66 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.02 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

Tot Ion: 56 Resp: 20408

Ion Ratio Lower Upper

56 100

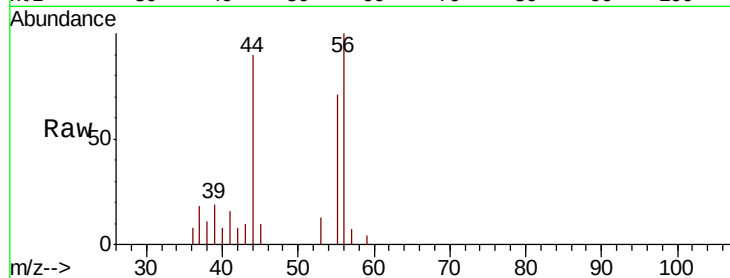
55 71.4 61.9 92.9

Manual Integrations

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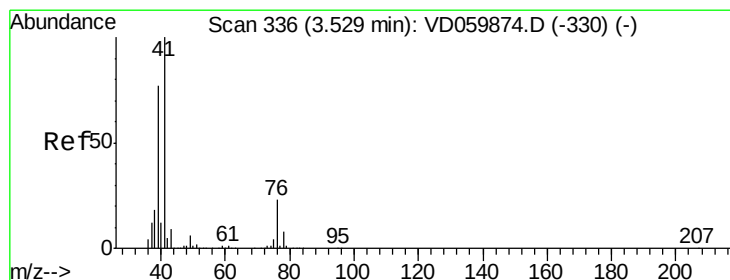
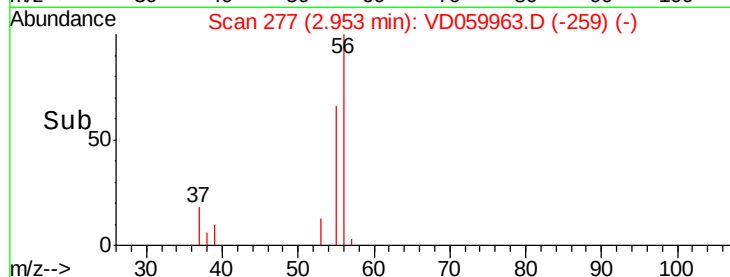
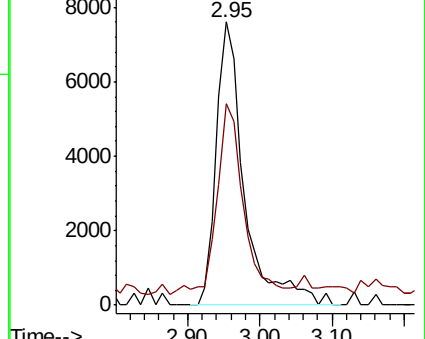
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.24 ug/l

RT: 3.49 min Scan# 332

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

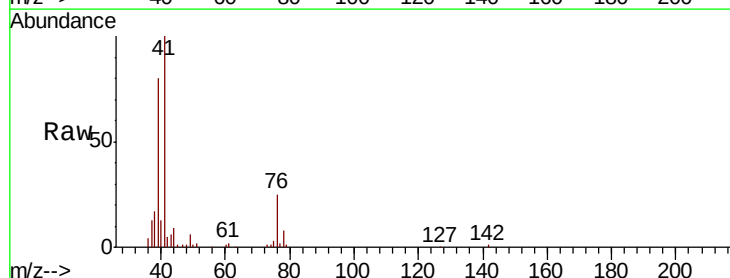
Tgt Ion: 41 Resp: 187290

Ion Ratio Lower Upper

41 100

39 79.9 61.8 92.6

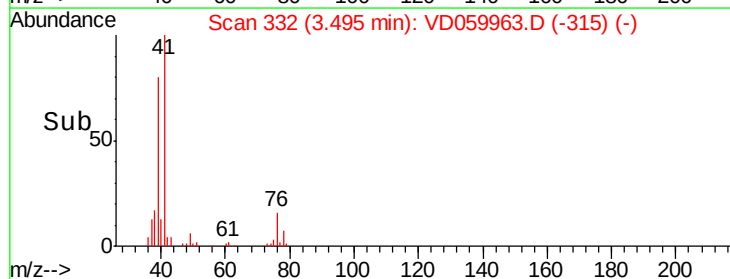
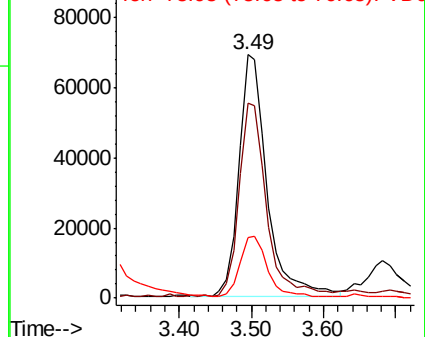
76 25.1 19.4 29.2

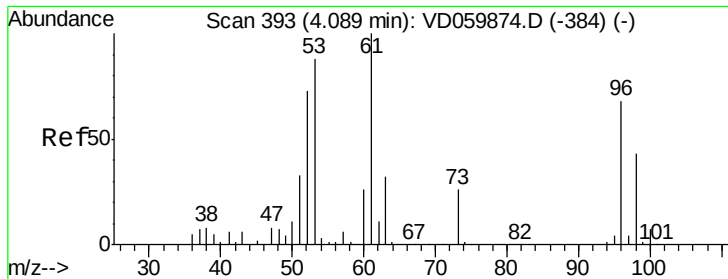


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 105.57 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

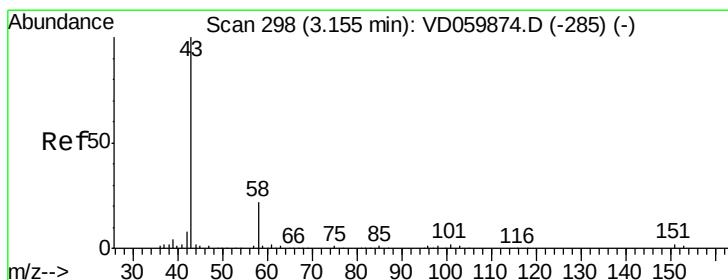
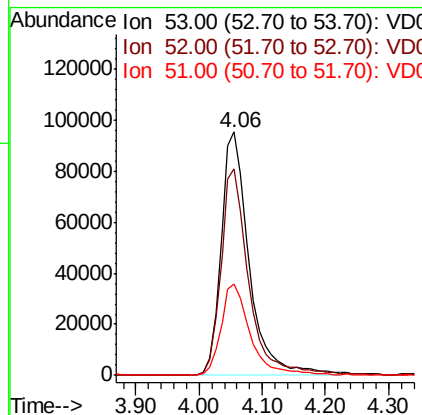
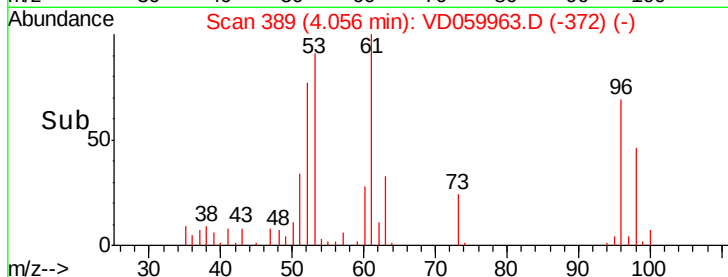
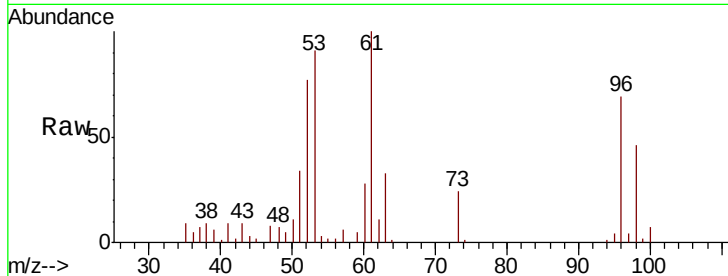
ClientSampleId :

VD0905SBSD01

Tot Ion:	53	Resp:	296895
Ion Ratio	Lower	Upper	
53	100		
52	84.7	66.9	100.3
51	37.7	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 101.01 ug/l

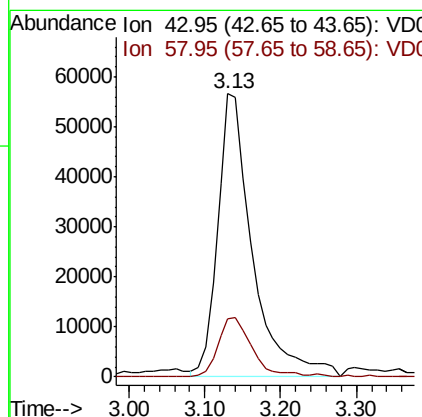
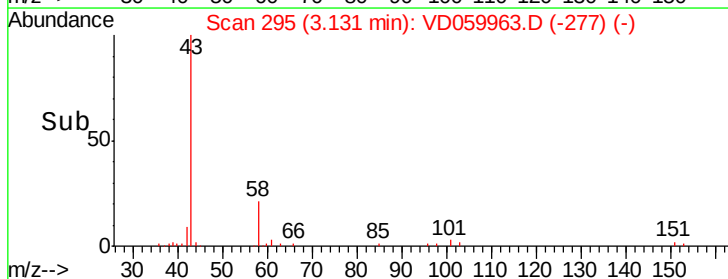
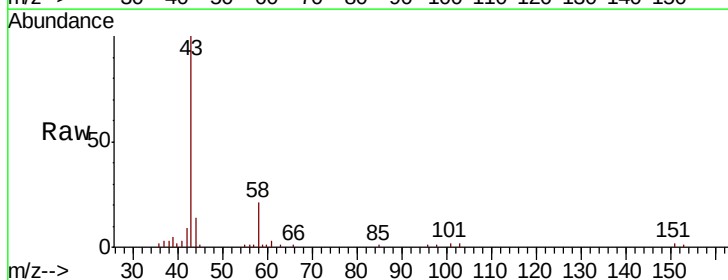
RT: 3.13 min Scan# 295

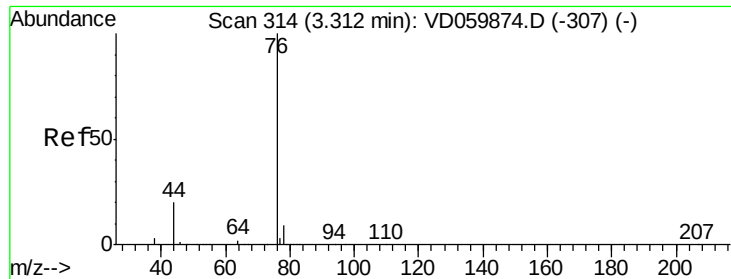
Delta R.T. -0.02 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Tgt Ion:	43	Resp:	181131
Ion Ratio	Lower	Upper	
43	100		
58	20.6	17.6	26.4





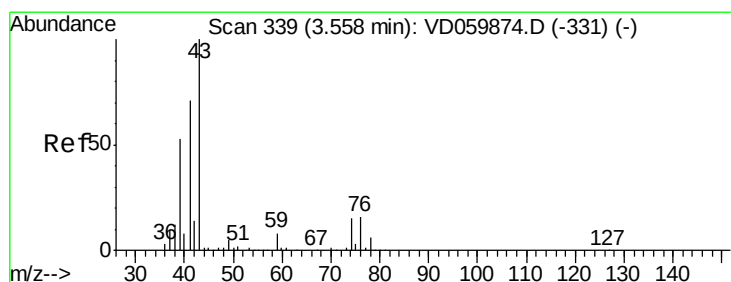
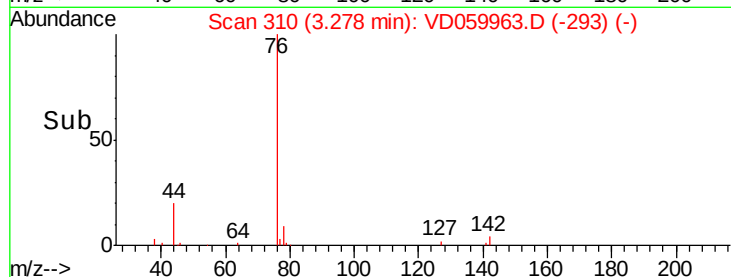
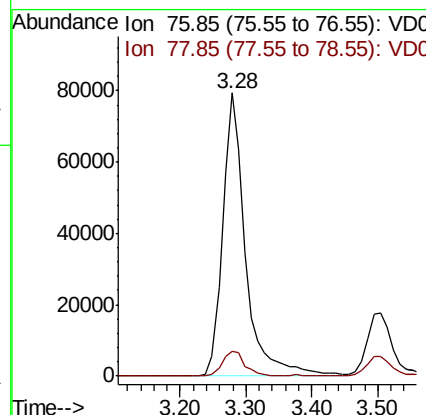
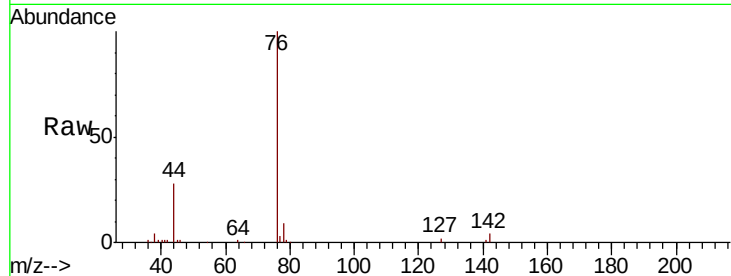
#17
Carbon Disulfide
Concen: 15.05 ug/l
RT: 3.28 min Scan# 310
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

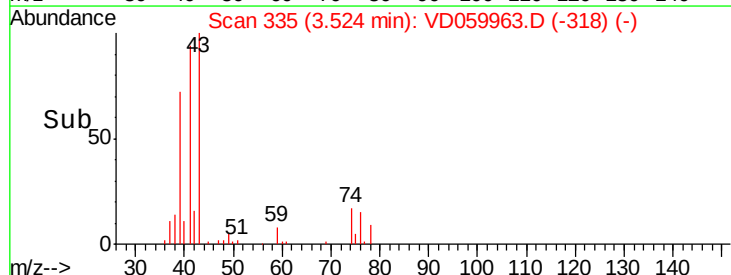
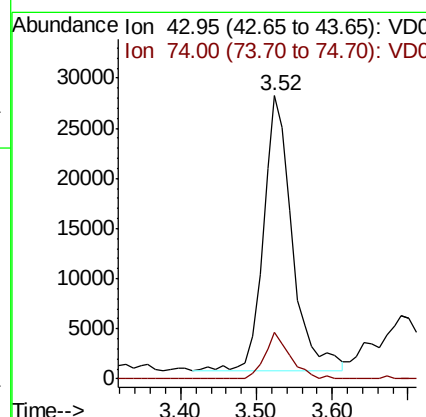
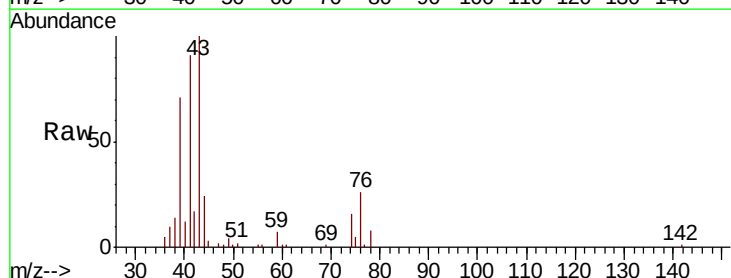
Manual Integrations
APPROVED

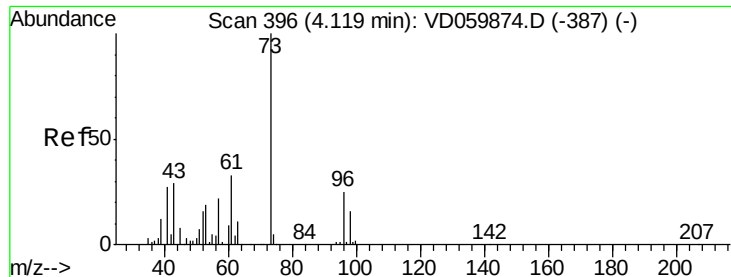
apatel
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#18
Methyl Acetate
Concen: 19.37 ug/l
RT: 3.52 min Scan# 335
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.4	11.2	16.8





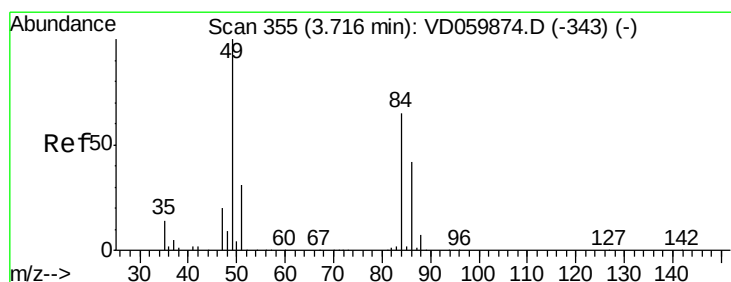
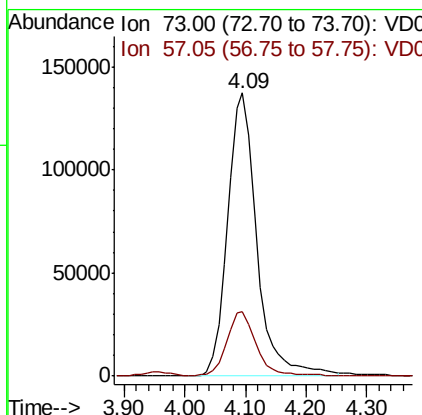
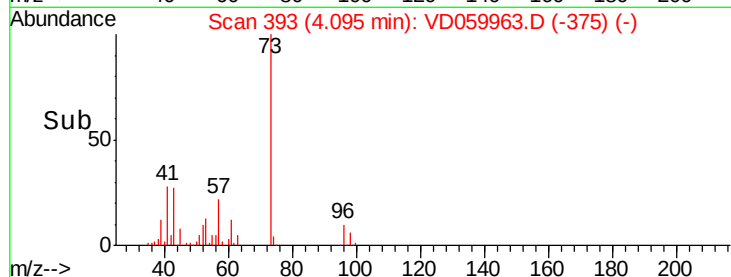
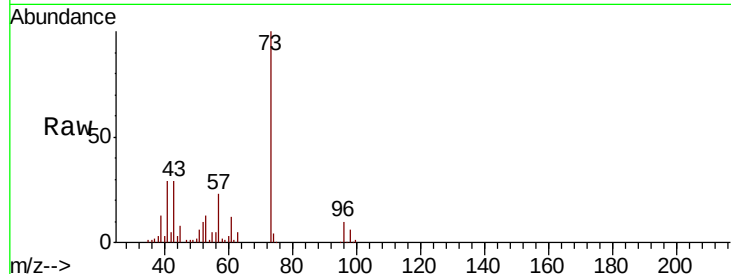
#19
Methyl tert-butyl Ether
Concen: 19.92 ug/l
RT: 4.09 min Scan# 393
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion: 73 Resp: 460871
Ion Ratio Lower Upper
73 100
57 22.9 17.9 26.9

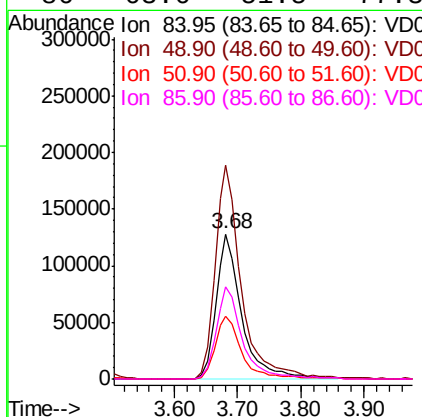
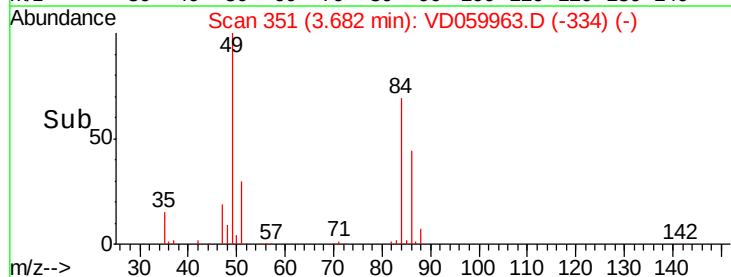
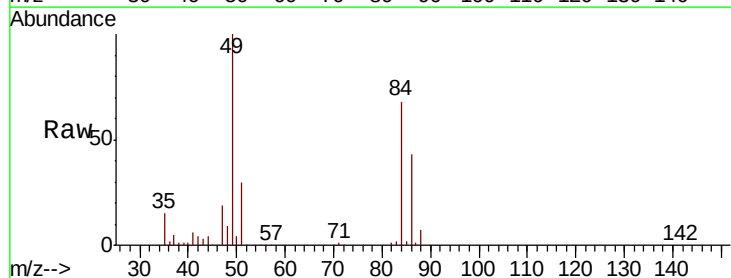
Manual Integrations
APPROVED

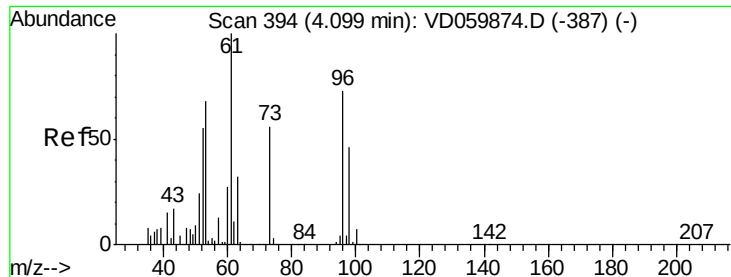
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#20
Methylene Chloride
Concen: 28.74 ug/l
RT: 3.68 min Scan# 351
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 84 Resp: 362892
Ion Ratio Lower Upper
84 100
49 147.7 122.6 183.8
51 43.7 38.4 57.6
86 63.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.09 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

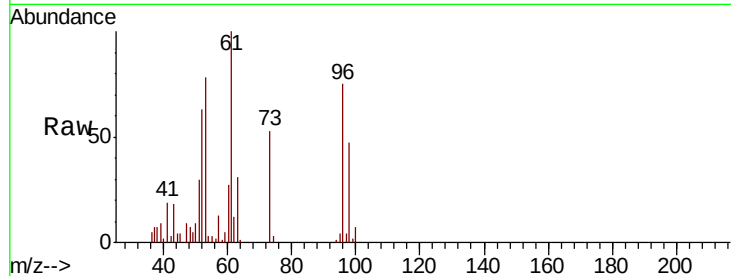
ClientSampleID :

VD0905SBS01

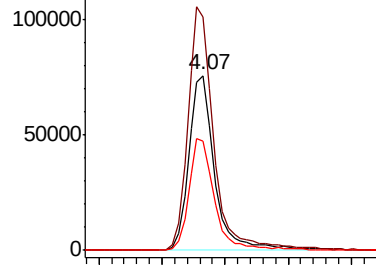
Tot Ion:	96	Resp:	215106
Ion	Ratio	Lower	Upper
96	100		
61	133.8	110.2	165.4
98	62.9	50.9	76.3

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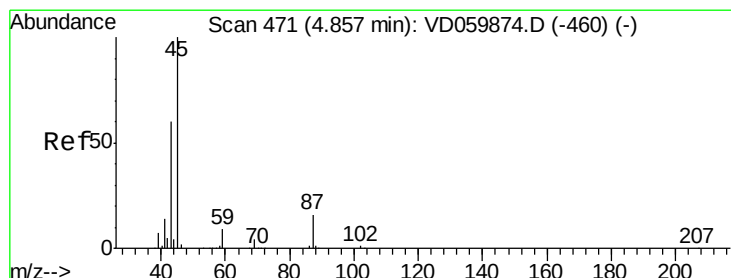
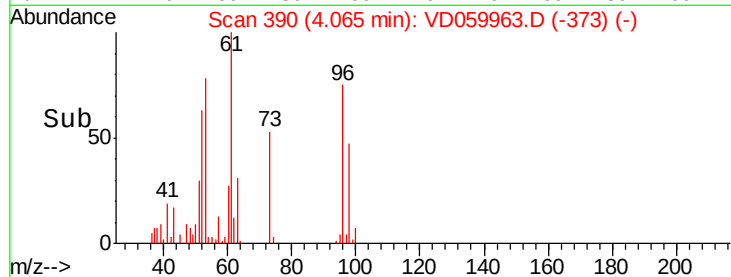
apatel
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



Time--> 3.90 4.00 4.10 4.20 4.30



#22

Diisopropyl ether

Concen: 20.96 ug/l

RT: 4.82 min Scan# 467

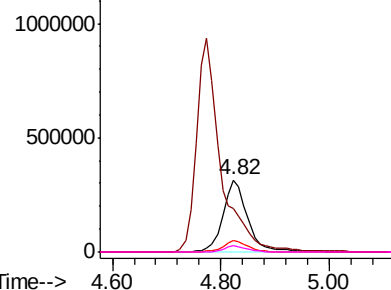
Delta R.T. -0.03 min

Lab File: VD059963.D

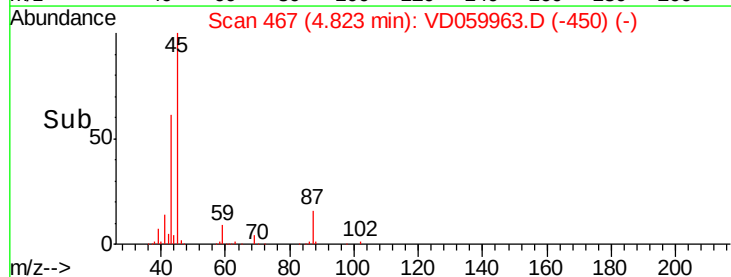
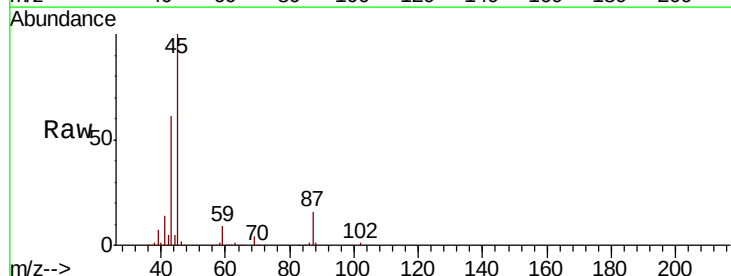
Acq: 5 Sep 2018 12:20

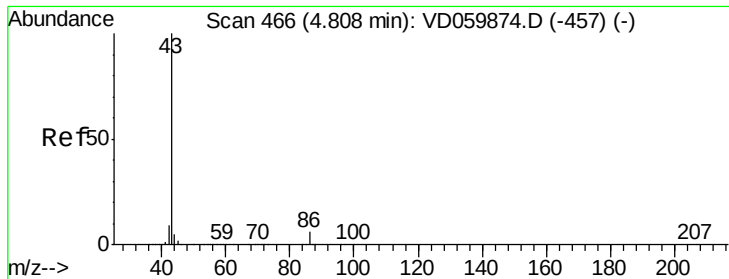
Tgt Ion:	45	Resp:	988735
Ion	Ratio	Lower	Upper
45	100		
43	61.2	48.6	72.8
87	15.7	13.3	19.9
59	8.5	7.1	10.7

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



Time--> 4.60 4.80 5.00





#23

Vinyl Acetate

Concen: 110.28 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleID :

VD0905SBSD01

Tot Ion: 43 Resp: 2908791

Ion Ratio Lower Upper

43 100

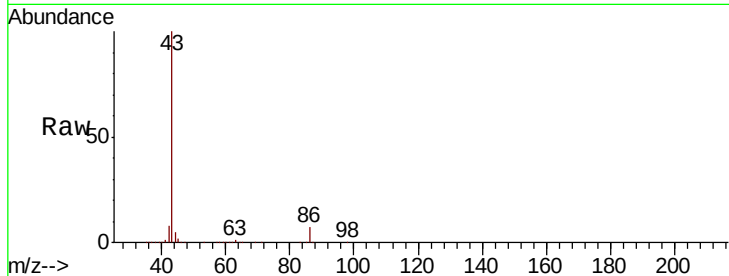
86 6.7 5.0 7.6

Manual Integrations

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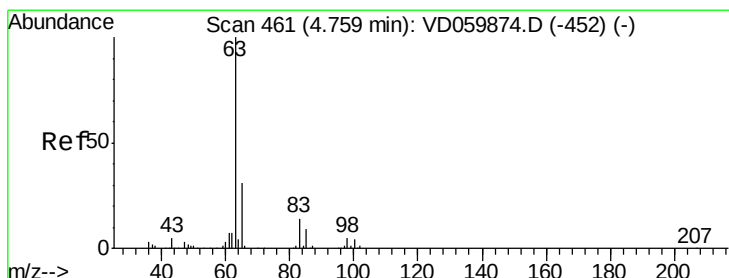
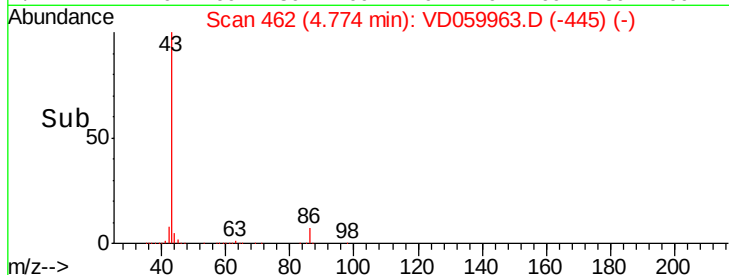
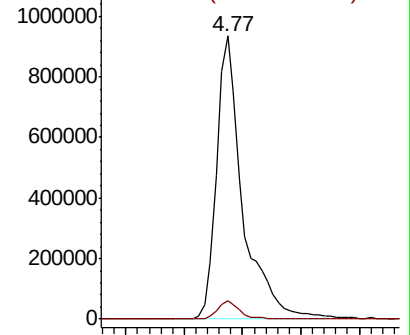
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.86 ug/l

RT: 4.72 min Scan# 457

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

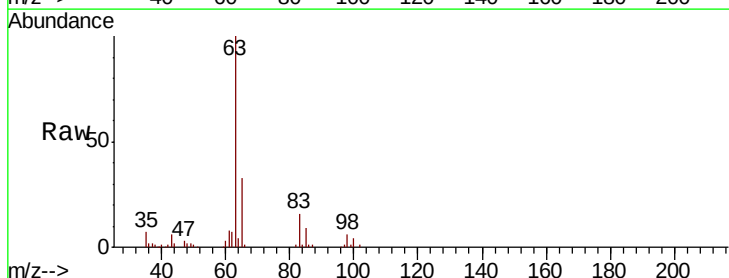
Tgt Ion: 63 Resp: 425202

Ion Ratio Lower Upper

63 100

98 5.8 2.7 8.1

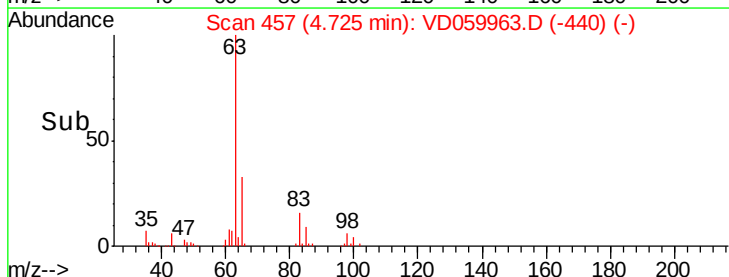
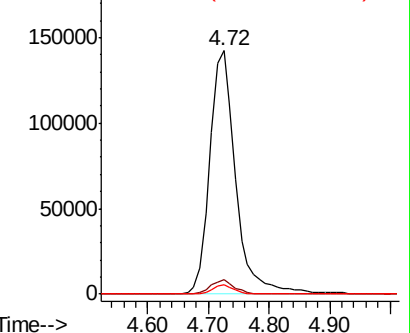
100 3.7 1.8 5.3

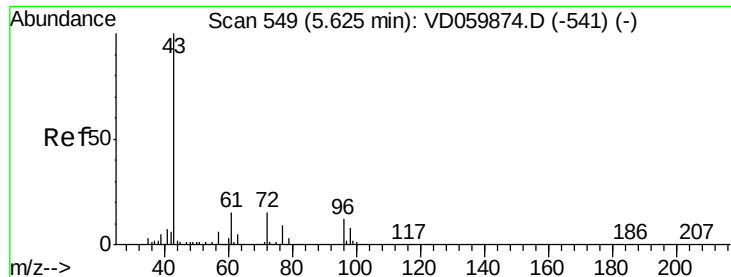


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





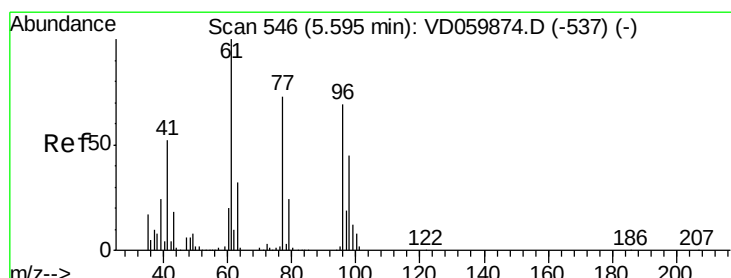
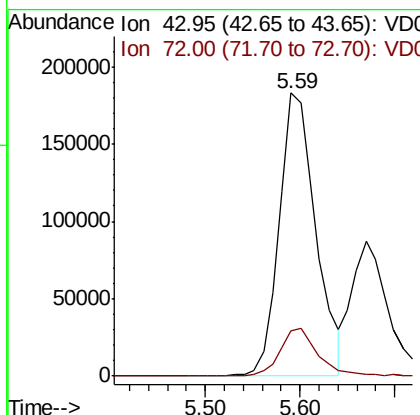
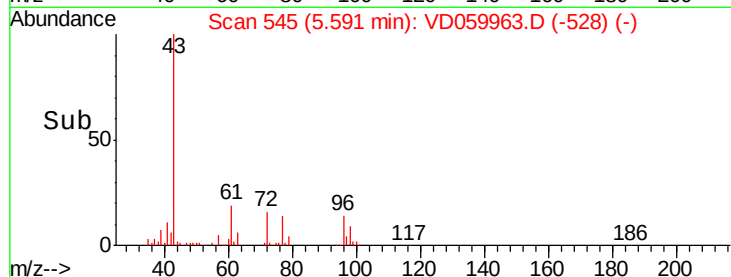
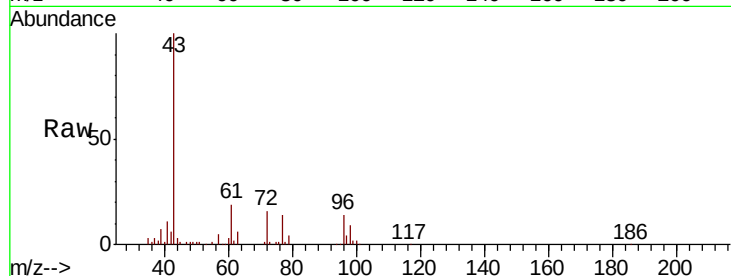
#25
2-Butanone
Concen: 92.60 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion: 43 Resp: 491762
Ion Ratio Lower Upper
43 100
72 15.9 12.3 18.5

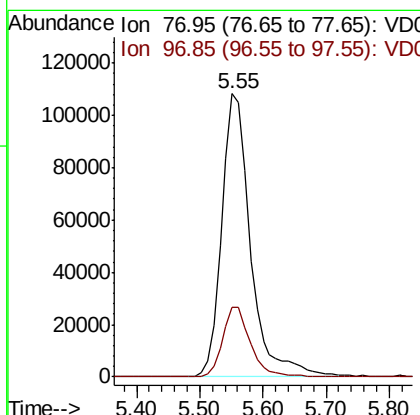
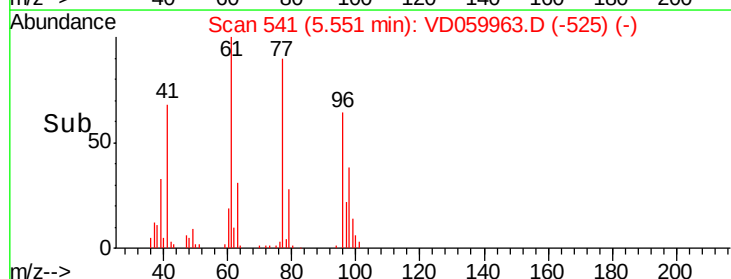
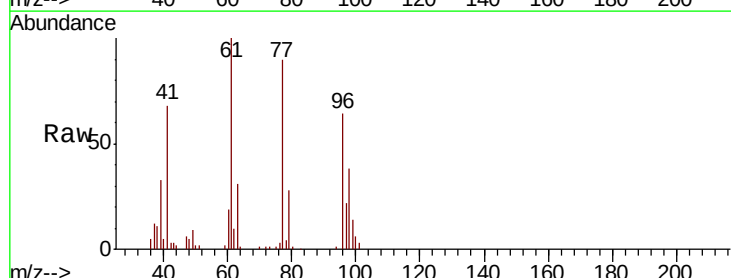
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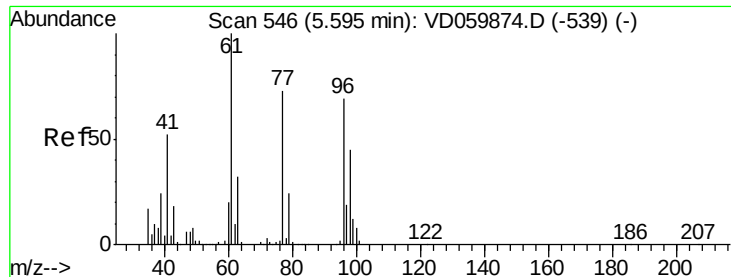
apatel
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#26
2,2-Dichloropropane
Concen: 20.19 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.04 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 77 Resp: 344020
Ion Ratio Lower Upper
77 100
97 24.8 13.0 38.9





#27

cis-1,2-Dichloroethene

Concen: 20.89 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

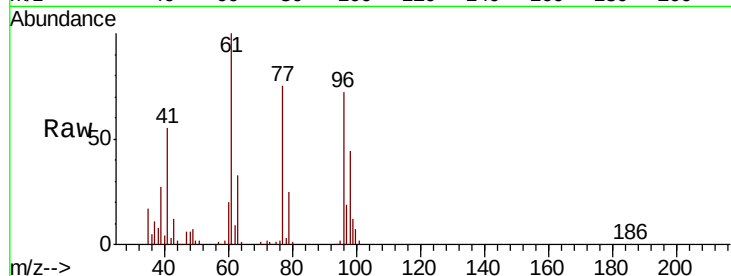
ClientSampleId :

VD0905SBSD01

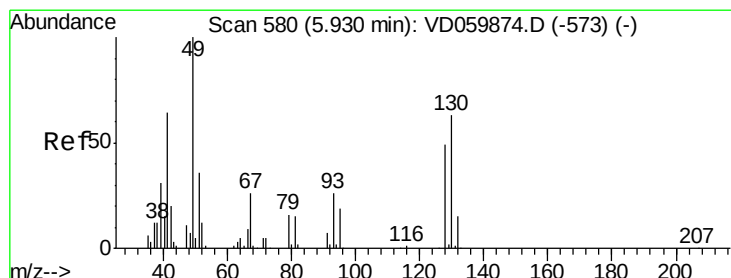
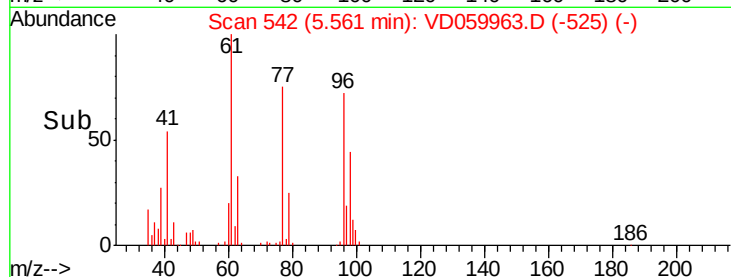
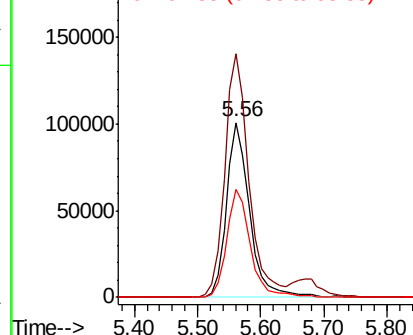
Tot Ion:	96	Resp:	257725
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	290.2
98	61.5	0.0	130.4

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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: 21.55 ug/l

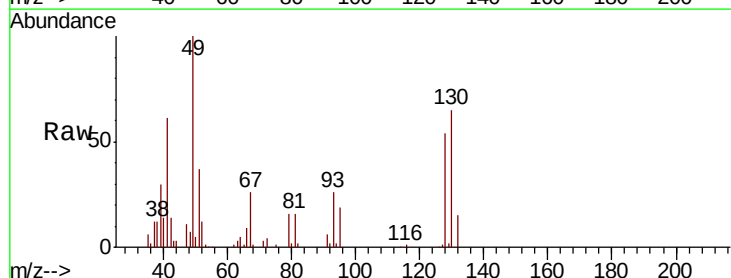
RT: 5.90 min Scan# 576

Delta R.T. -0.03 min

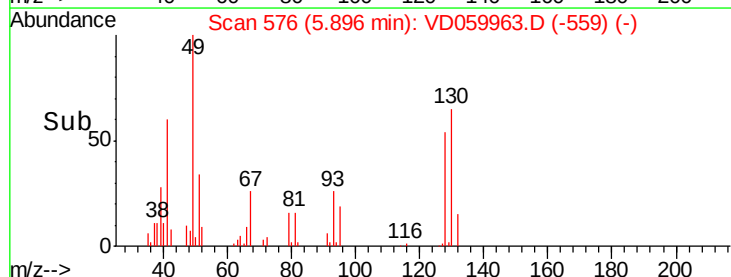
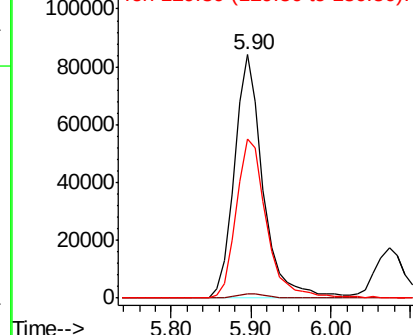
Lab File: VD059963.D

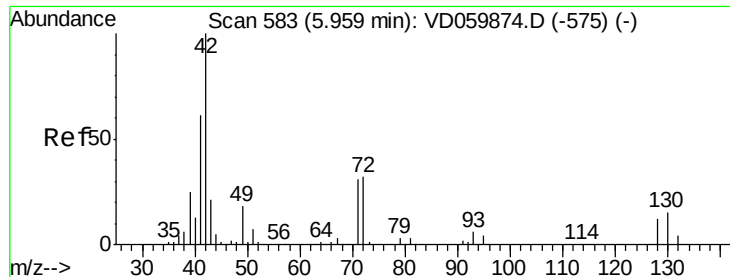
Acq: 5 Sep 2018 12:20

Tgt Ion:	49	Resp:	210500
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	65.3	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





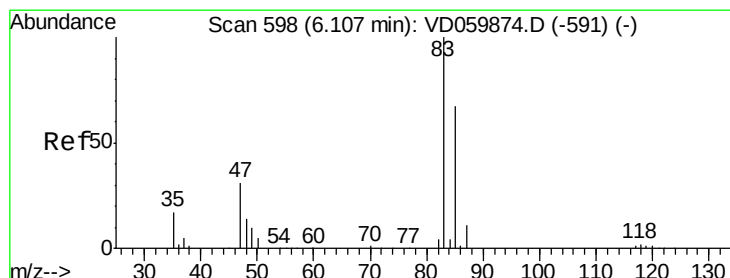
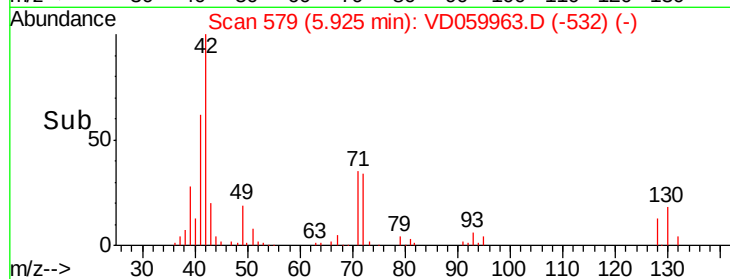
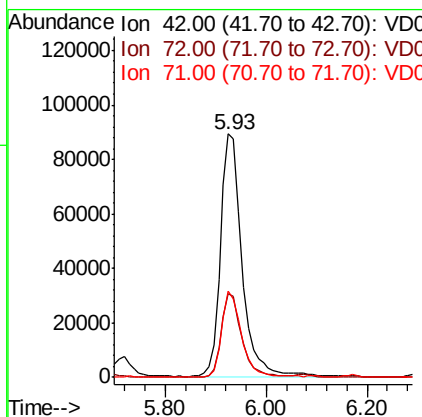
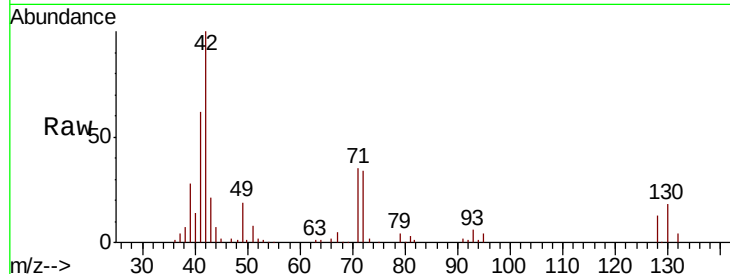
#29
Tetrahydrofuran
Concen: 106.80 ug/l
RT: 5.93 min Scan# 579
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion:	42	Resp:	270030
Ion	Ratio	Lower	Upper
42	100		
72	32.1	25.7	38.5
71	32.0	25.3	37.9

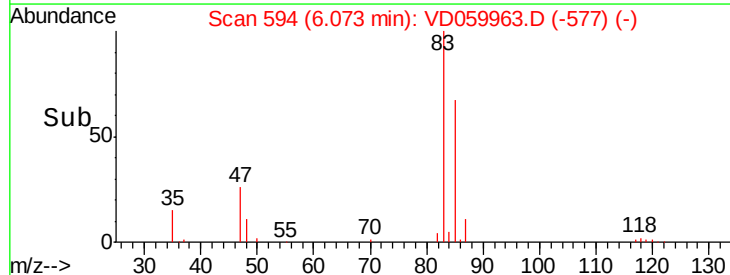
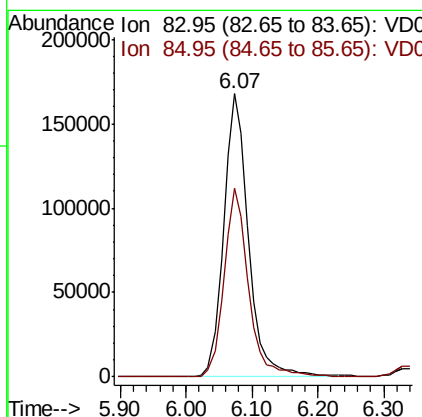
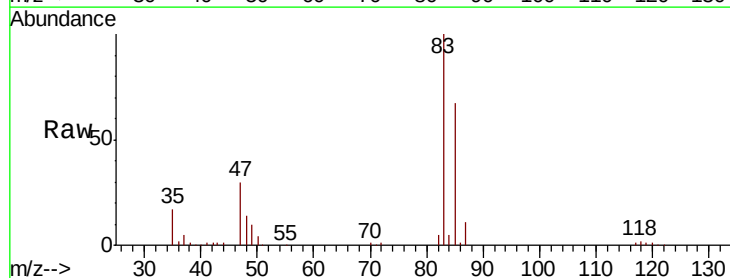
Manual Integrations
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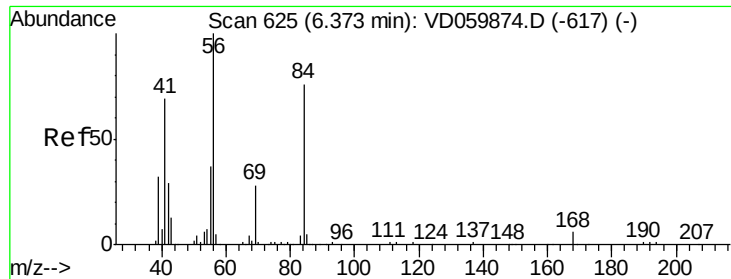
apatel
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#30
Chloroform
Concen: 21.26 ug/l
RT: 6.07 min Scan# 594
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion:	83	Resp:	440410
Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.5	80.3





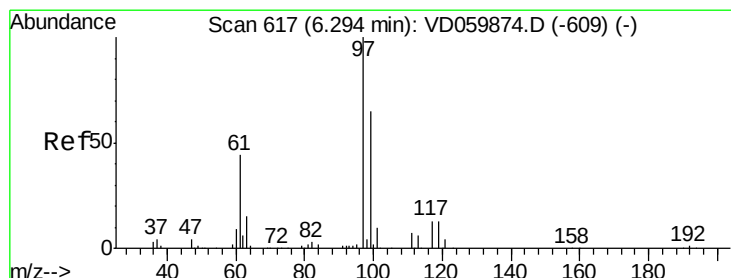
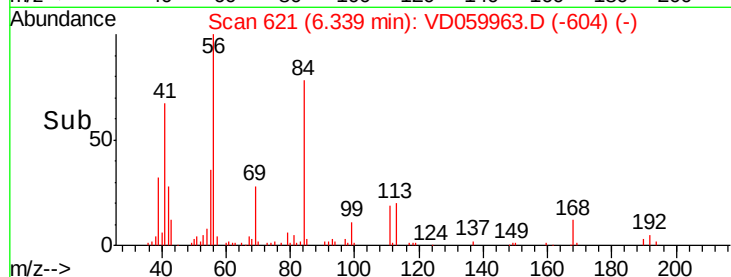
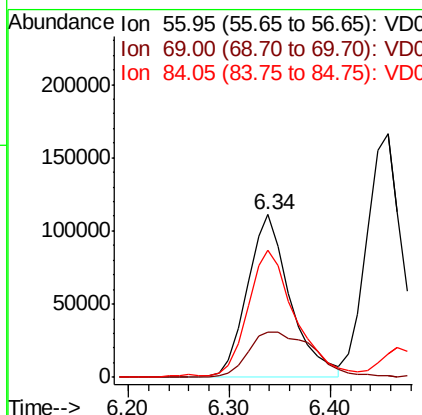
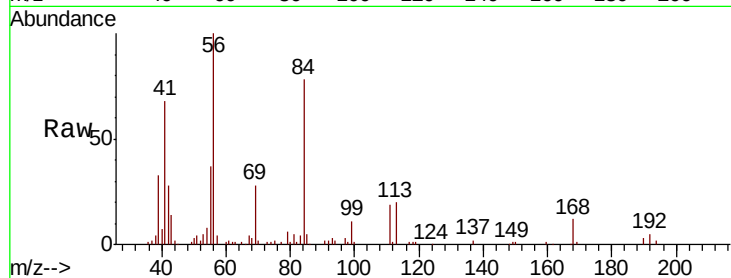
#31
Cyclohexane
Concen: 17.56 ug/l
RT: 6.34 min Scan# 621
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.8	22.4	33.6
84	78.2	62.1	93.1

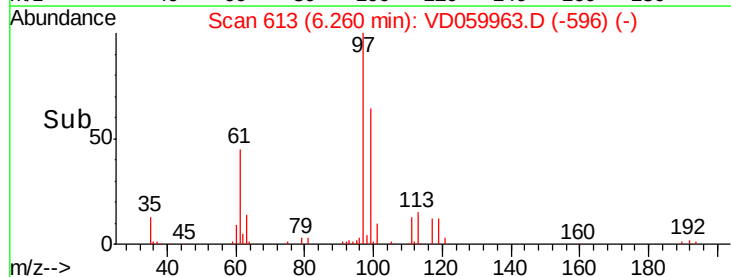
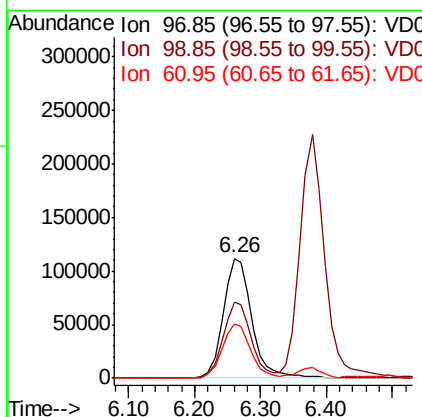
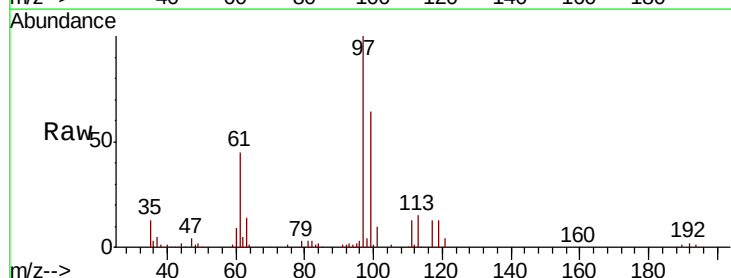
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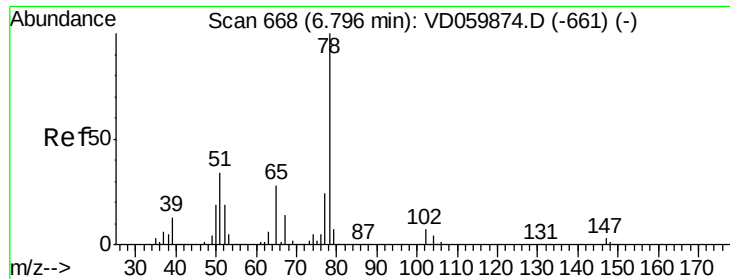
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#32
1,1,1-Trichloroethane
Concen: 19.26 ug/l
RT: 6.26 min Scan# 613
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.7	77.5
61	44.9	35.4	53.2





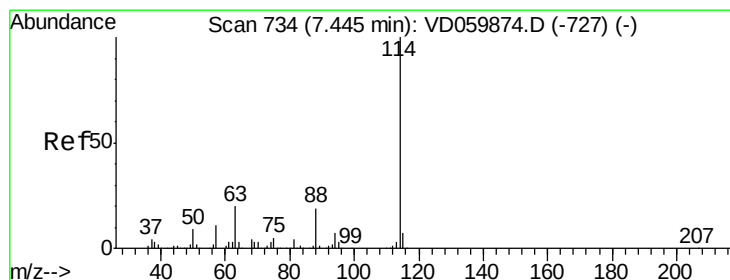
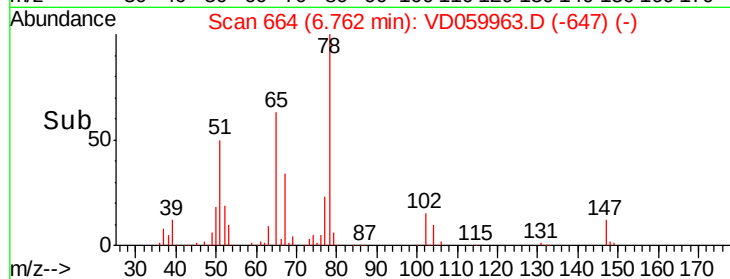
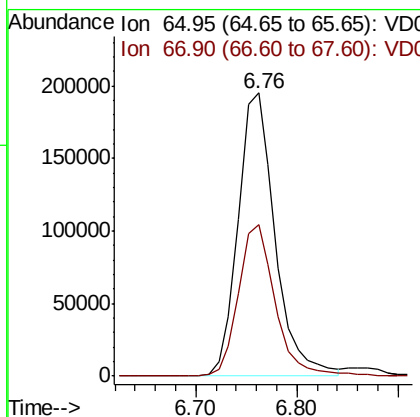
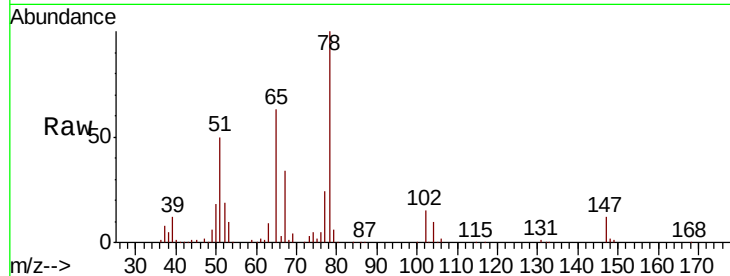
#33
 1,2-Dichloroethane-d4
 Concen: 19.26 ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	497433		
67	53.7	0.0	103.8	

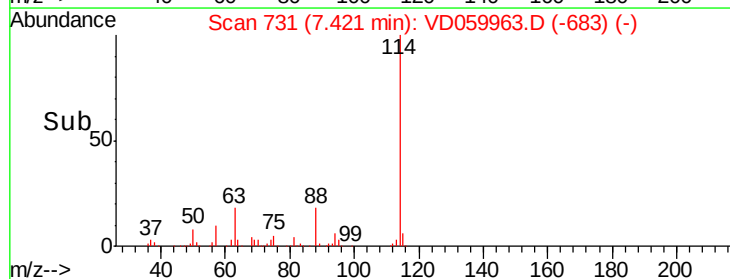
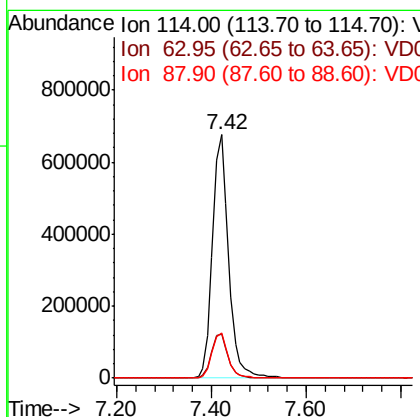
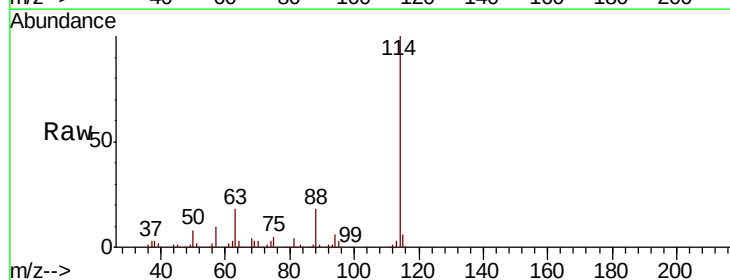
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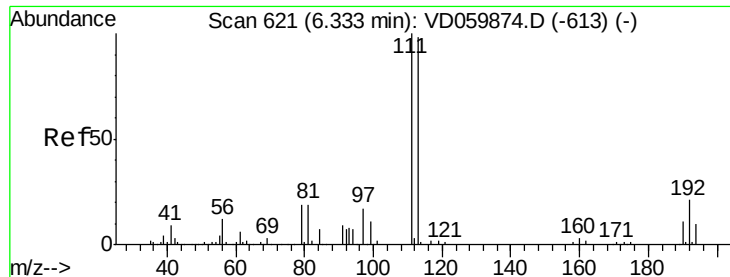
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.02 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1601800		
63	17.9	0.0	39.4	
88	18.4	0.0	37.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

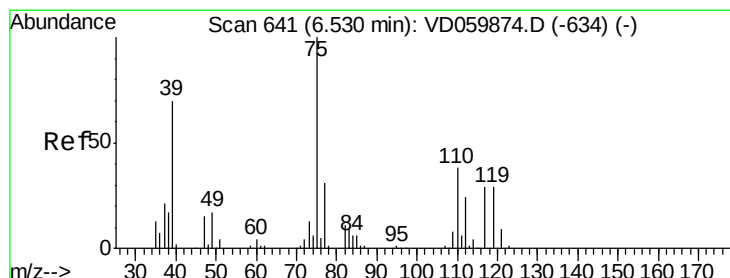
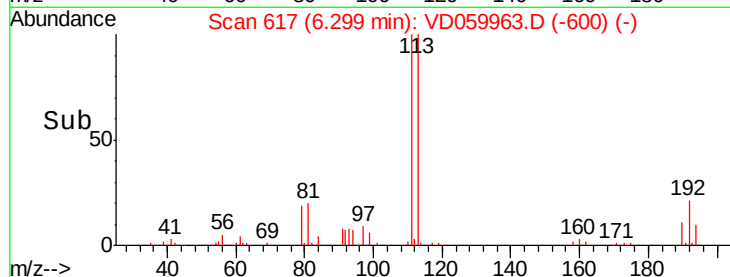
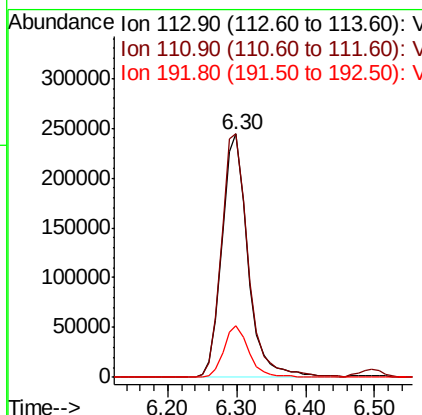
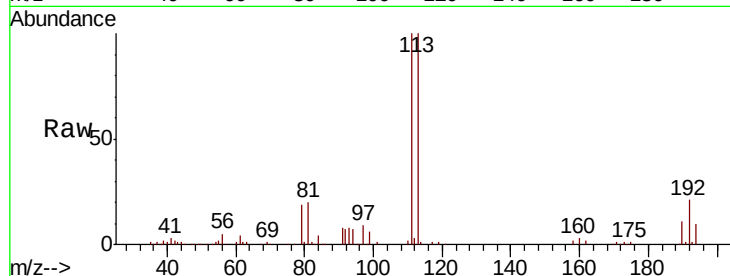
ClientSampleId :

VD0905SBSD01

Tot Ion:	113	Resp:	638600
Ion Ratio	Lower	Upper	
113	100		
111	100.0	81.4	122.2
192	21.3	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.90 ug/l

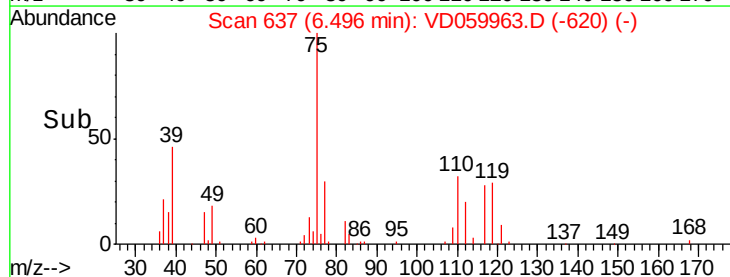
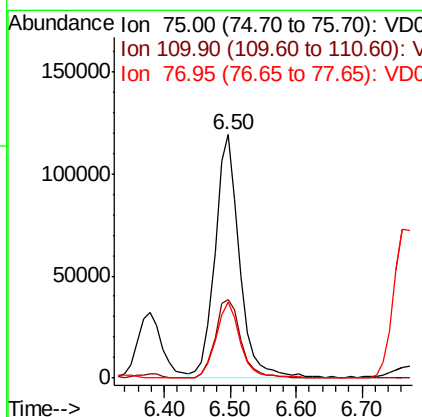
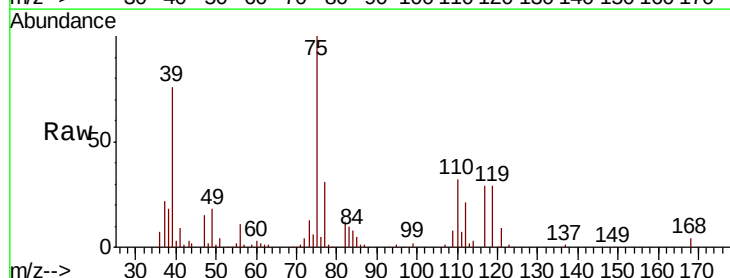
RT: 6.50 min Scan# 637

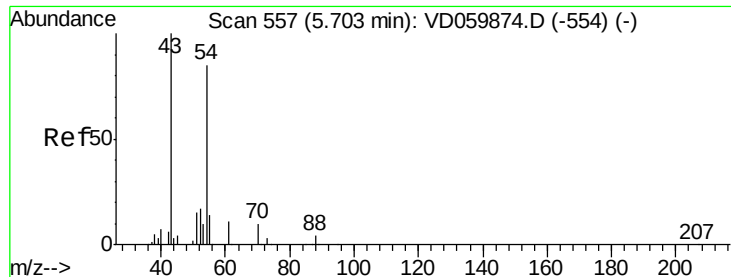
Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Tgt Ion:	75	Resp:	303447
Ion Ratio	Lower	Upper	
75	100		
110	32.3	18.6	56.0
77	31.0	25.1	37.7





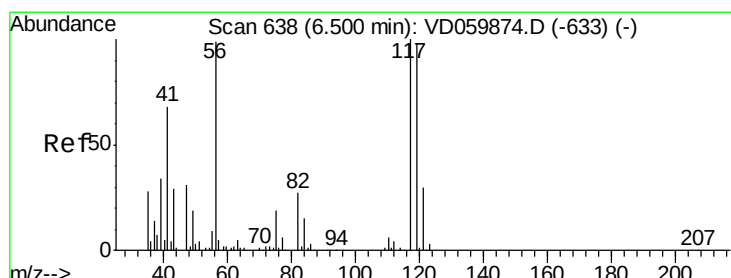
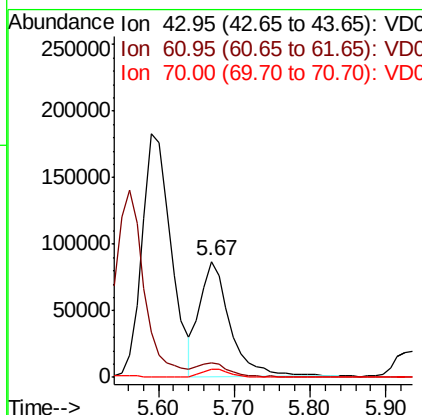
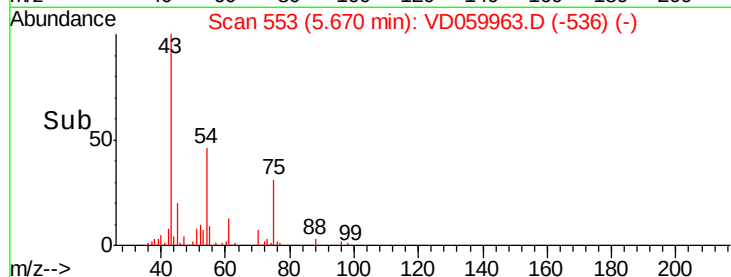
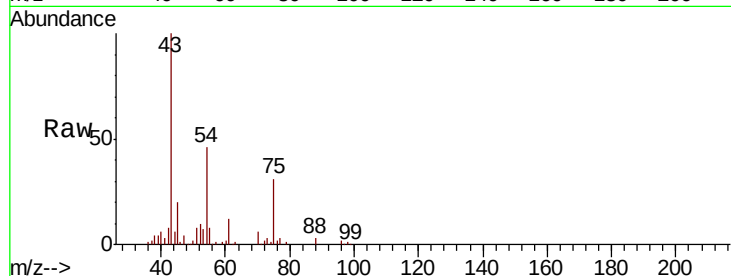
#37
Ethyl Acetate
Concen: 21.32 ug/l
RT: 5.67 min Scan# 553
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.0	16.6
70	6.5	5.7	8.5

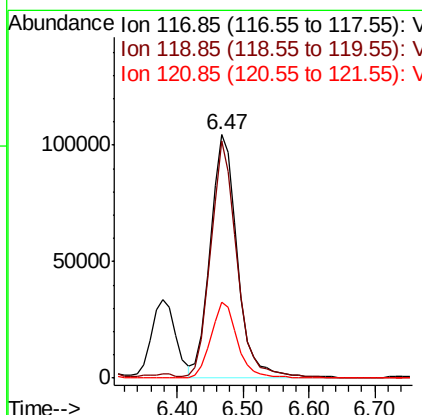
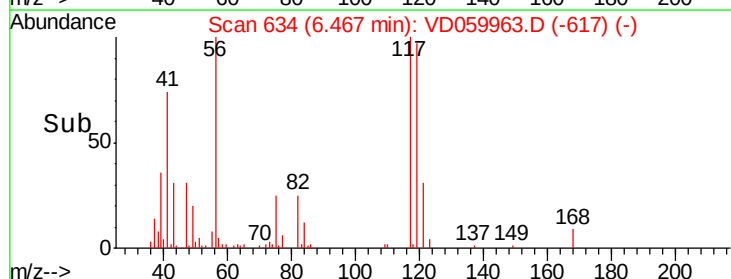
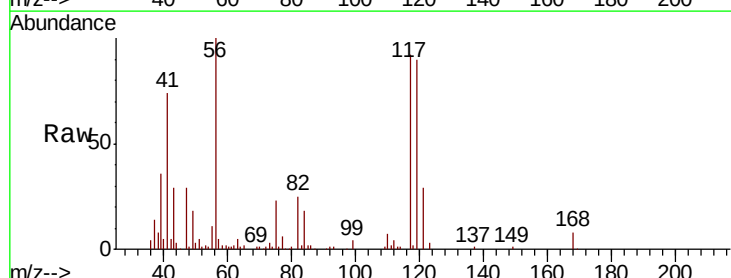
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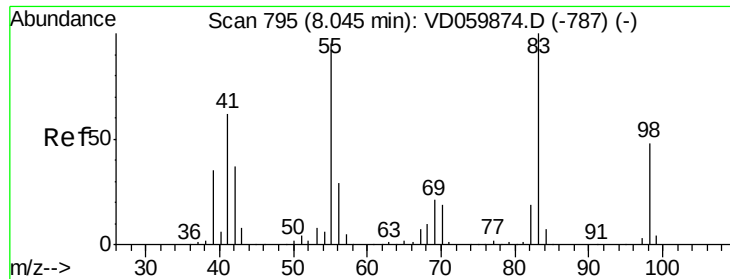
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#38
Carbon Tetrachloride
Concen: 19.91 ug/l
RT: 6.47 min Scan# 634
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.2	115.8
121	30.9	24.0	36.0





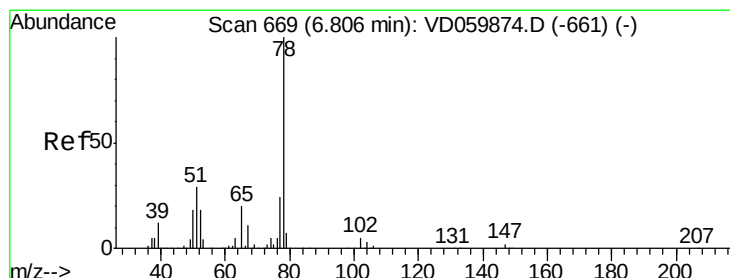
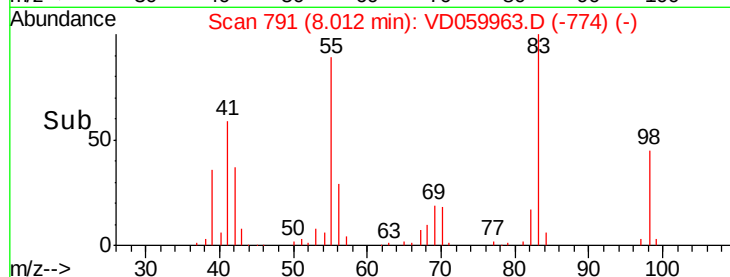
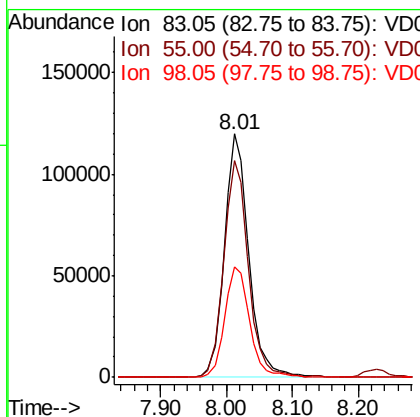
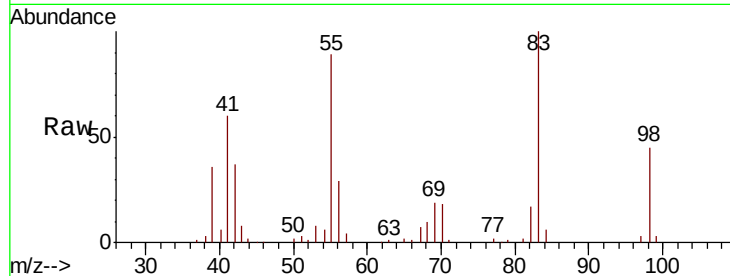
#39
Methylvlcyclohexane
Concen: 19.71 ug/l
RT: 8.01 min Scan# 791
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion	83	Resp	309179
Ion Ratio	100	Lower	Upper
83	100		
55	88.8	75.8	113.6
98	45.4	38.3	57.5

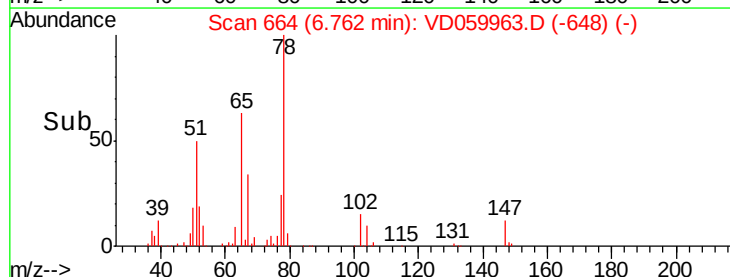
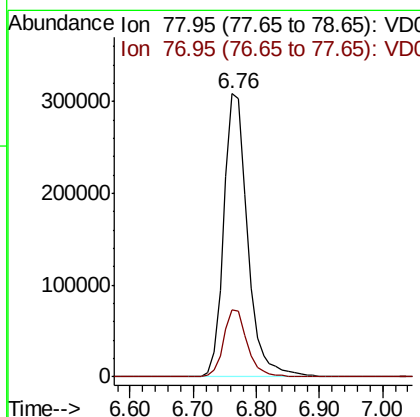
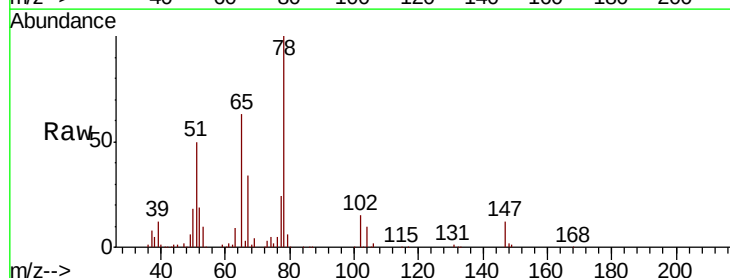
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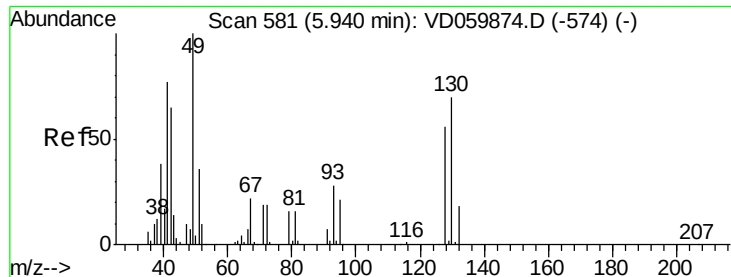
apatel
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#40
Benzene
Concen: 21.54 ug/l
RT: 6.76 min Scan# 664
Delta R.T. -0.04 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion	78	Resp	813428
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	19.0	28.4





#41

Methacrylonitrile

Concen: 21.15 ug/l m

RT: 5.90 min Scan# 576

Delta R.T. -0.04 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

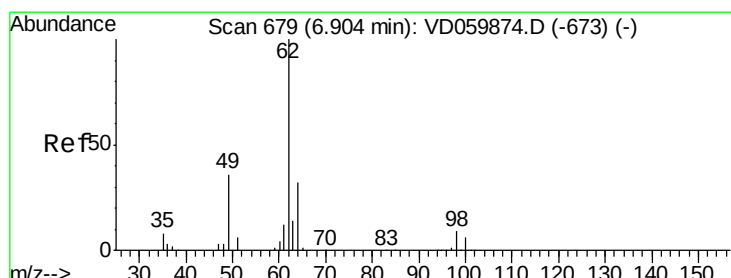
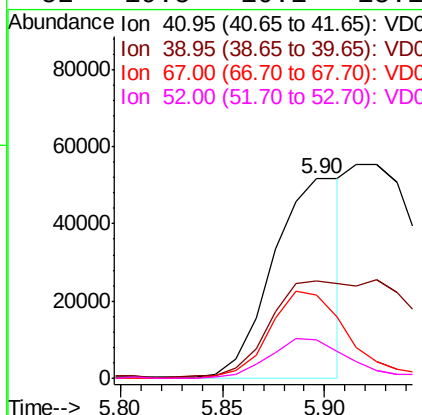
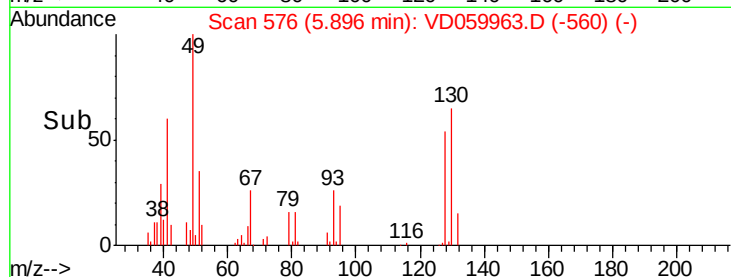
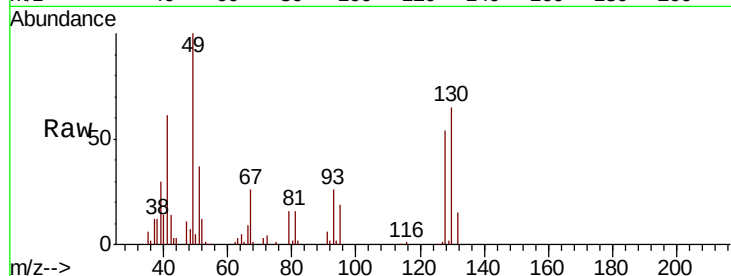
ClientSampleId :

VD0905SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.1	39.4	59.2
67	41.8	22.2	33.2#
52	19.5	10.1	15.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.82 ug/l

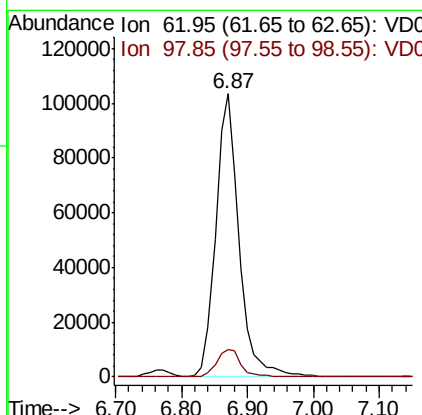
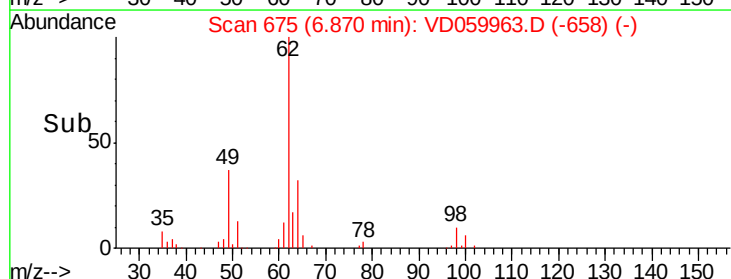
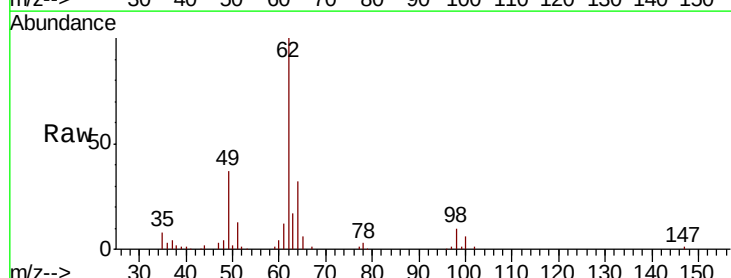
RT: 6.87 min Scan# 675

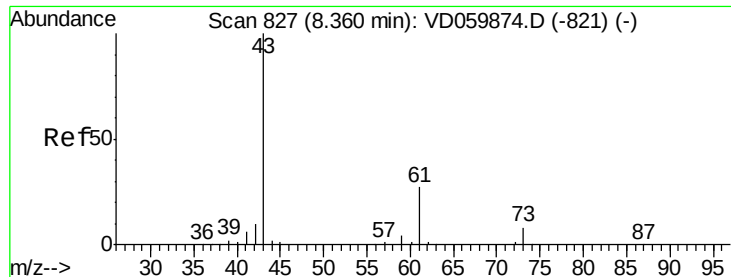
Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





#43

Isopropyl Acetate

Concen: 21.08 ug/l

RT: 8.33 min Scan# 823

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

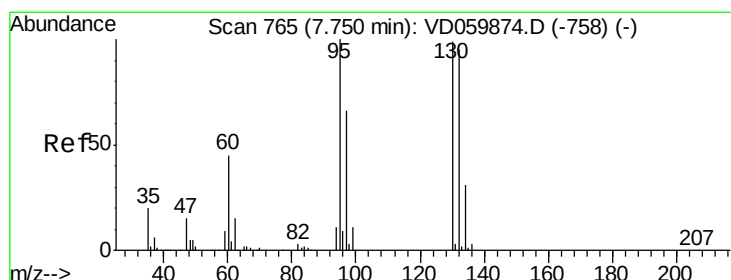
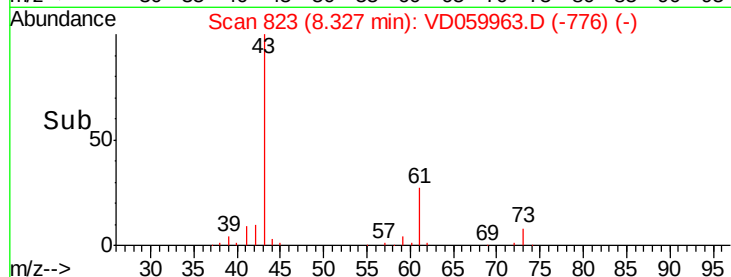
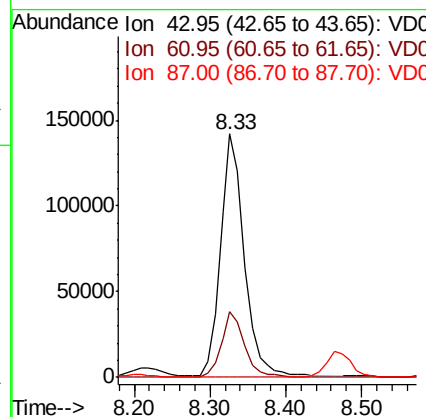
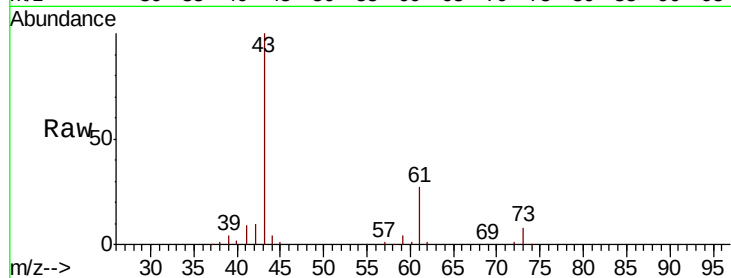
ClientSampleId :

VD0905SBS01

Tot Ion:	43	Resp:	309915
Ion Ratio	Lower	Upper	
43	100		
61	27.2	21.4	32.2
87	0.0	0.2	0.4

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#44

Trichloroethene

Concen: 21.27 ug/l

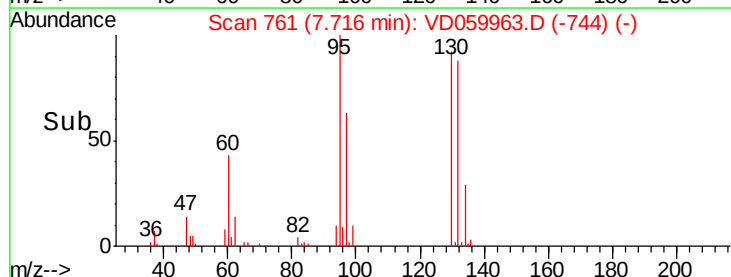
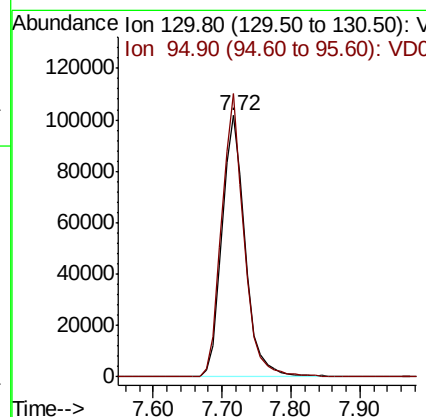
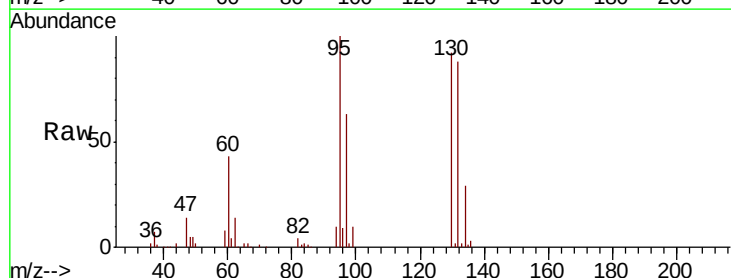
RT: 7.72 min Scan# 761

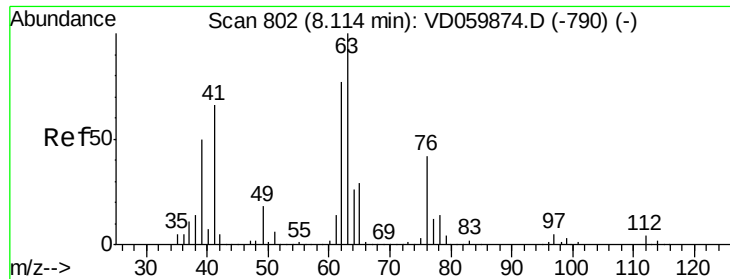
Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Tgt Ion:	130	Resp:	236462
Ion Ratio	Lower	Upper	
130	100		
95	108.4	0.0	202.0





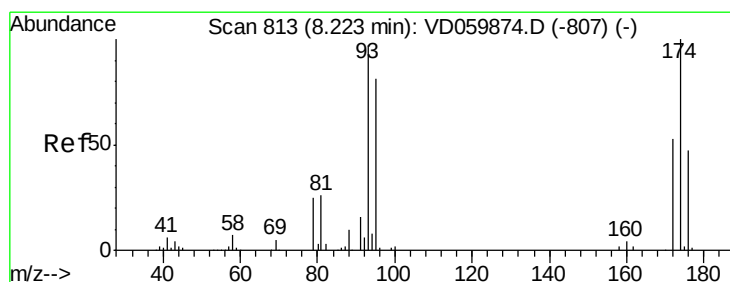
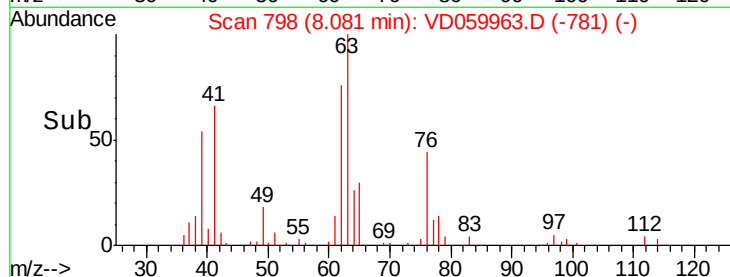
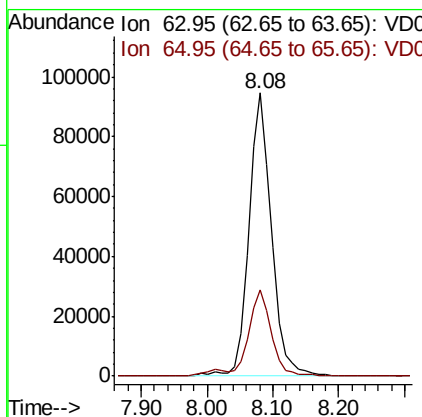
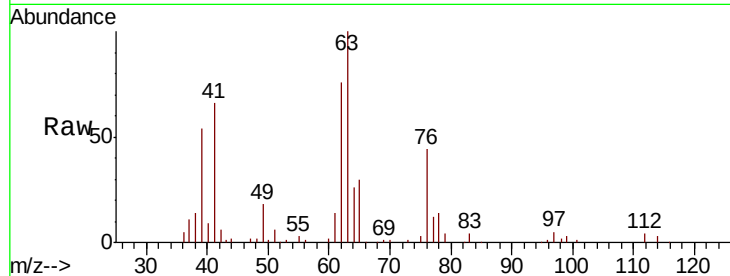
#45
 1,2-Dichloropropane
 Concen: 21.42 ug/l
 RT: 8.08 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion: 63 Resp: 226063
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.5 35.3

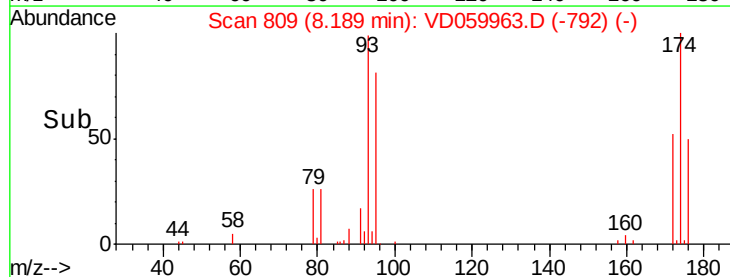
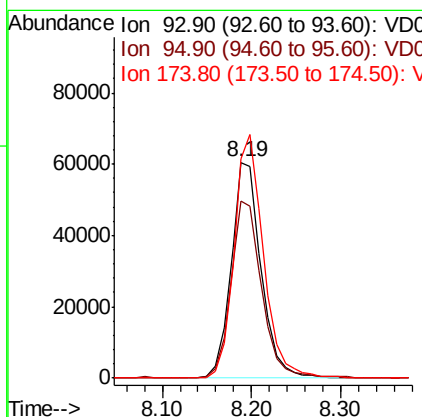
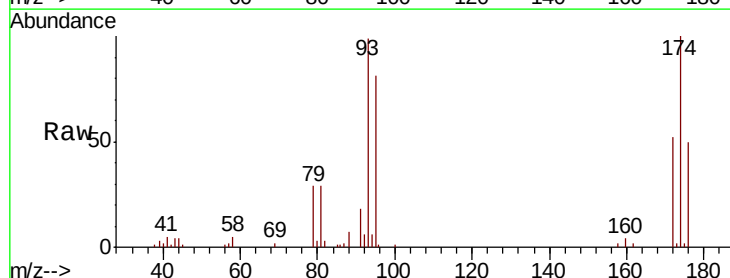
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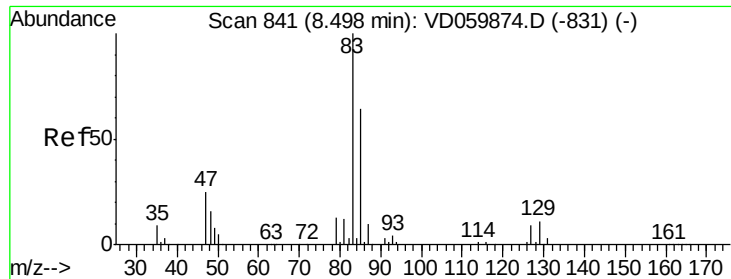
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#46
 Dibromomethane
 Concen: 20.81 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.03 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion: 93 Resp: 141235
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.6 100.0
 174 101.4 82.4 123.6





#47

Bromodichloromethane

Concen: 20.97 ug/l

RT: 8.46 min Scan# 837

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

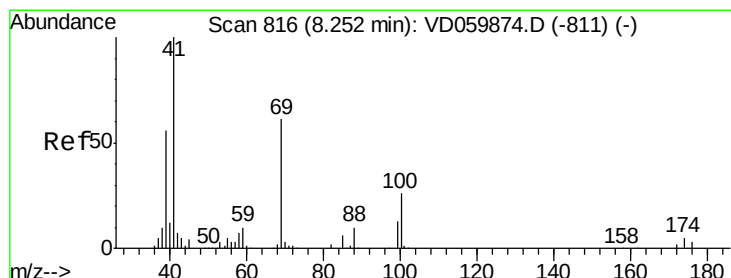
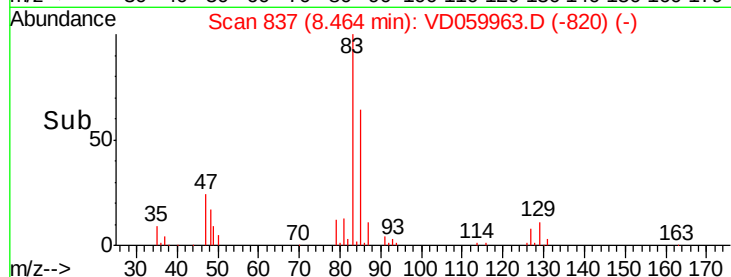
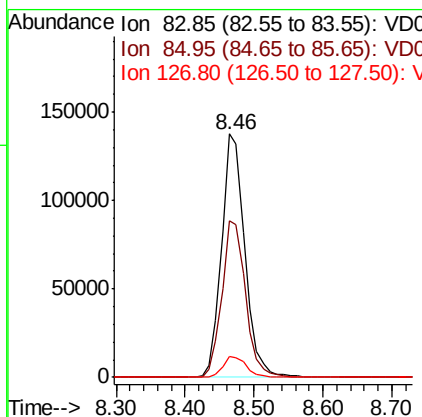
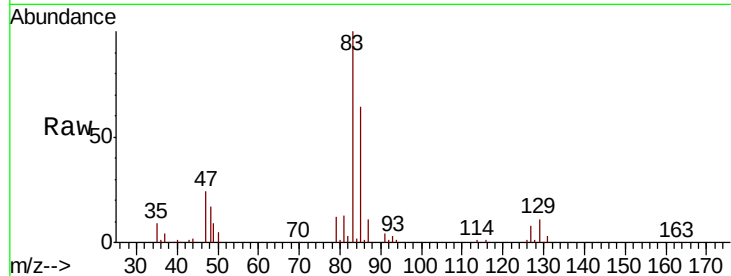
ClientSampled :

VD0905SBSD01

Tot Ion:	83	Resp:	322157
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.3	76.9
127	8.5	7.0	10.4

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#48

Methyl methacrylate

Concen: 20.56 ug/l

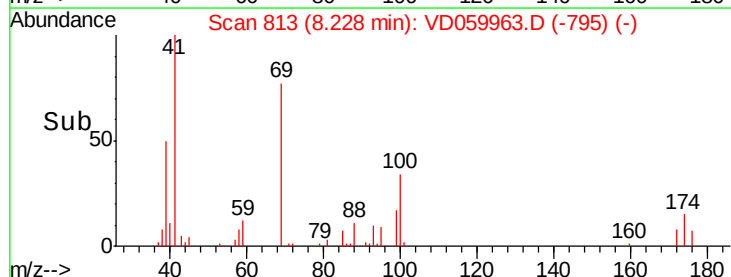
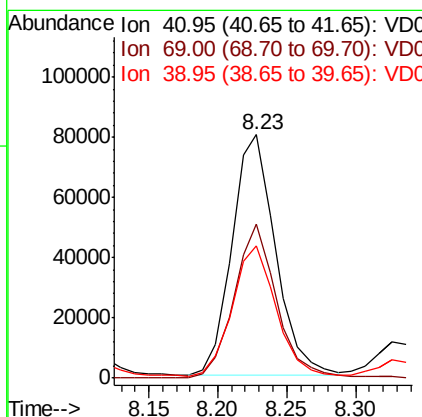
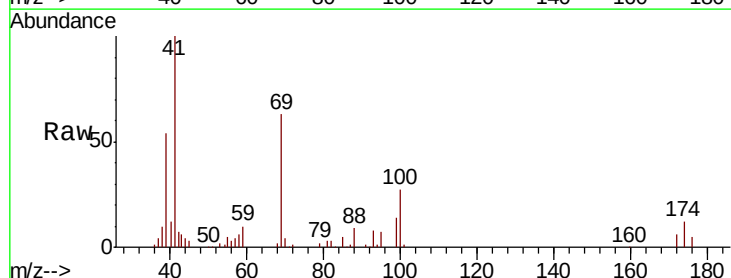
RT: 8.23 min Scan# 813

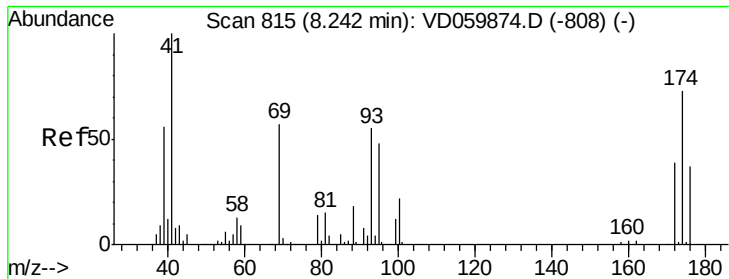
Delta R.T. -0.02 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Tgt Ion:	41	Resp:	176173
Ion Ratio	Lower	Upper	
41	100		
69	63.5	48.0	72.0
39	54.2	45.4	68.0





#49

1,4-Dioxane

Concen: 426.22 ug/l

RT: 8.21 min Scan# 811

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

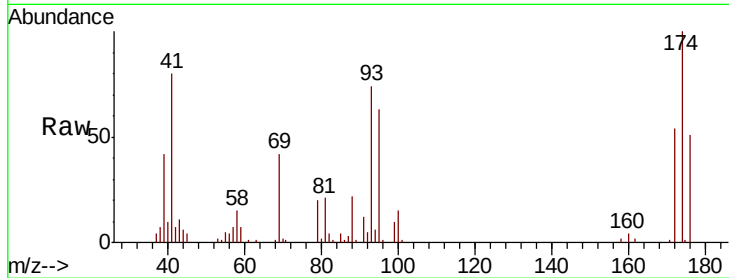
ClientSampleId :

VD0905SBS01

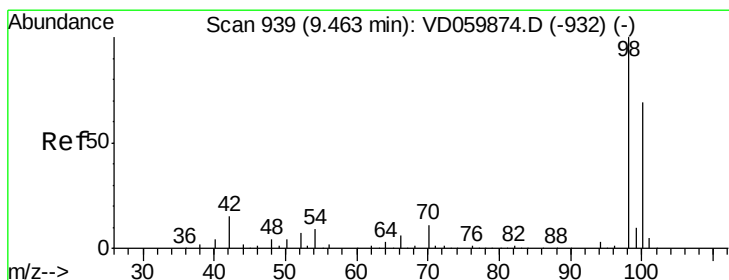
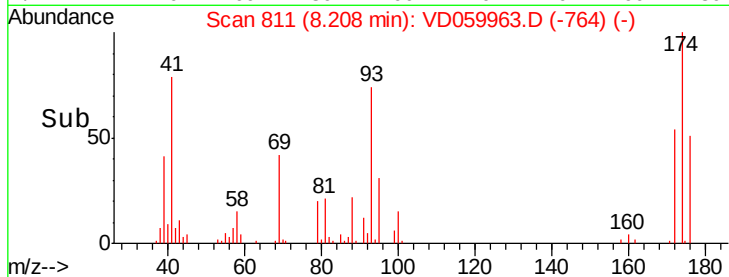
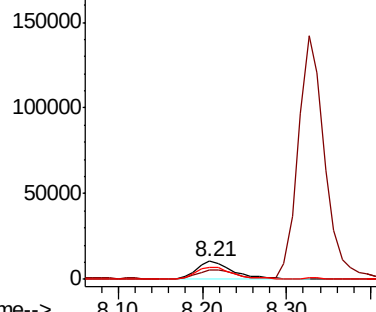
Tot Ion:	88	Resp:	32607
Ion	Ratio	Lower	Upper
88	100		
43	50.8	45.0	67.6
58	65.6	55.8	83.8

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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: 426.22 ug/l

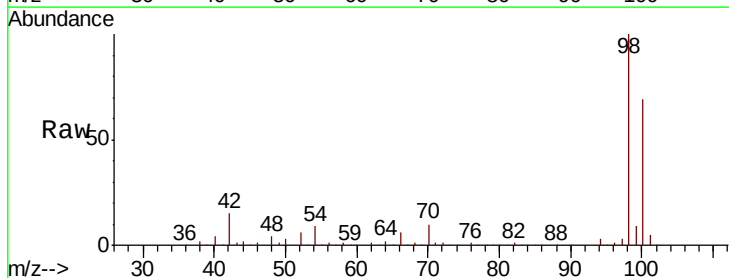
RT: 9.44 min Scan# 936

Delta R.T. -0.02 min

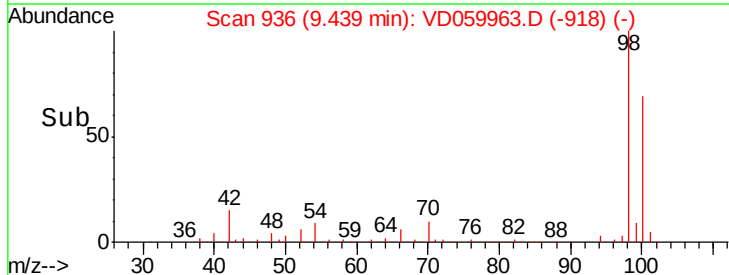
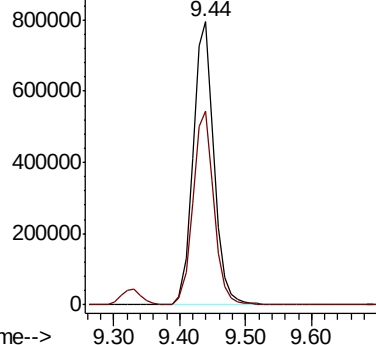
Lab File: VD059963.D

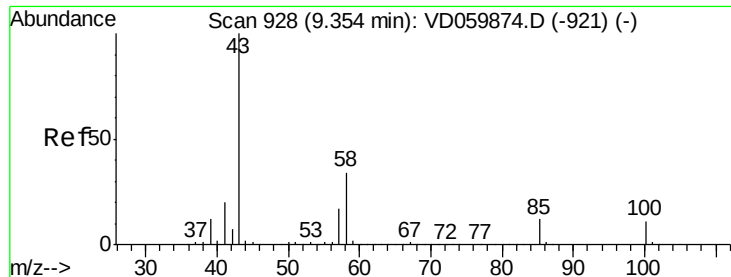
Acq: 5 Sep 2018 12:20

Tgt Ion:	98	Resp:	1751435
Ion	Ratio	Lower	Upper
98	100		
100	68.6	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: 92.54 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleID :

VD0905SBSD01

Tot Ion: 43 Resp: 1014096

Ion Ratio Lower Upper

43 100

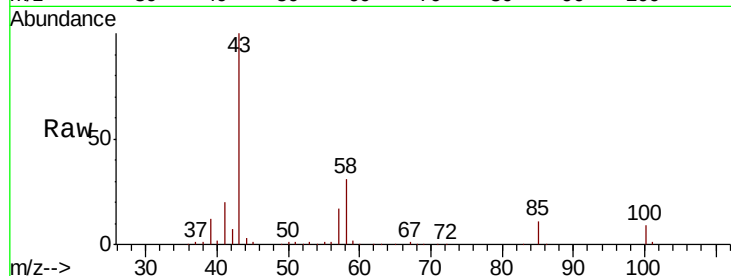
58 31.3 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

400000

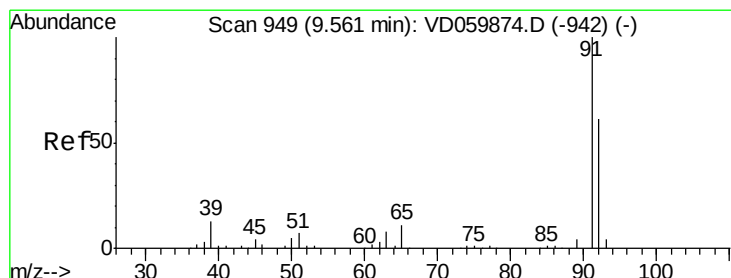
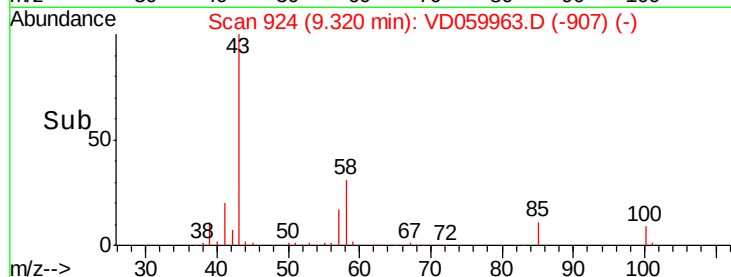
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.16 ug/l

RT: 9.53 min Scan# 945

Delta R.T. -0.03 min

Lab File: VD059963.D

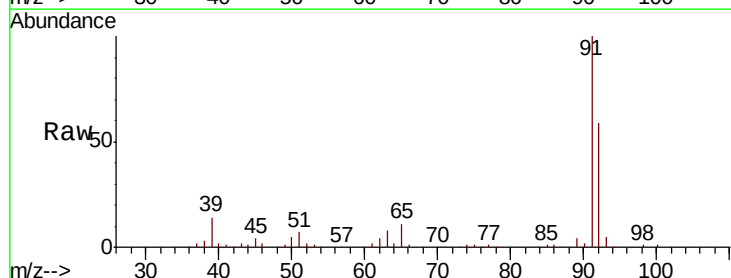
Acq: 5 Sep 2018 12:20

Tgt Ion: 92 Resp: 463845

Ion Ratio Lower Upper

92 100

91 170.0 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

400000

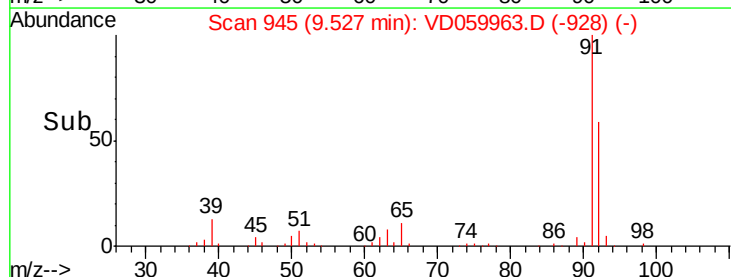
300000

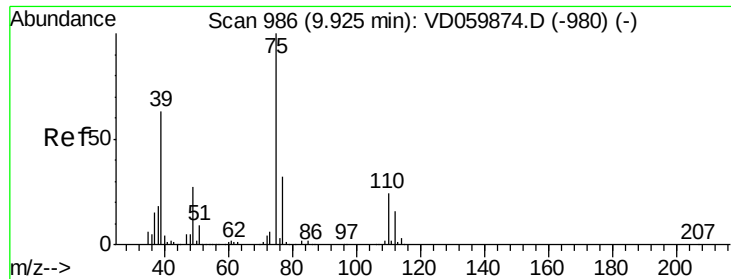
200000

100000

0

Time-->





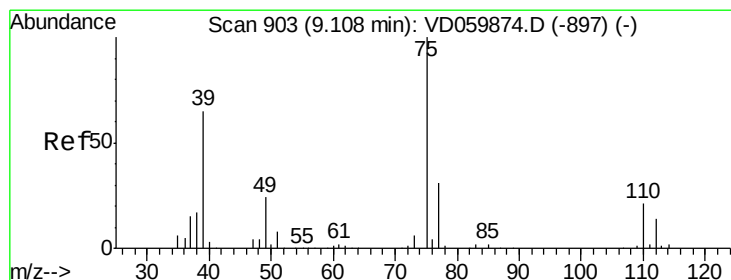
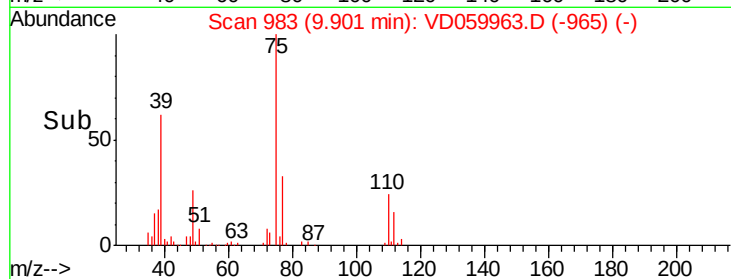
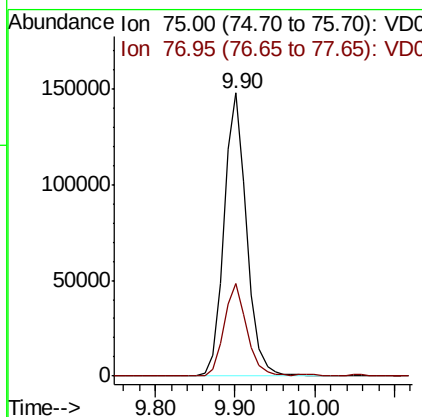
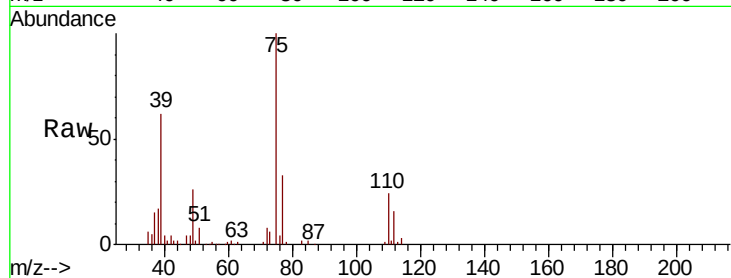
#53
t-1,3-Dichloropropene
Concen: 20.60 ug/l
RT: 9.90 min Scan# 983
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion: 75 Resp: 292665
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.2

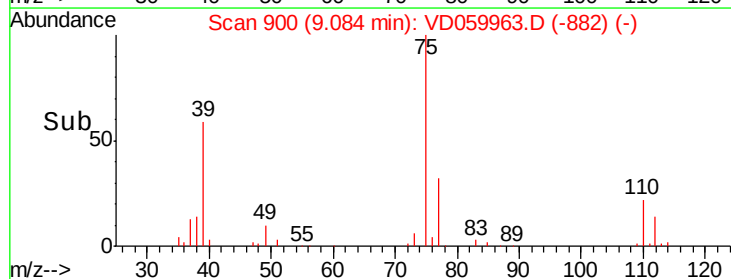
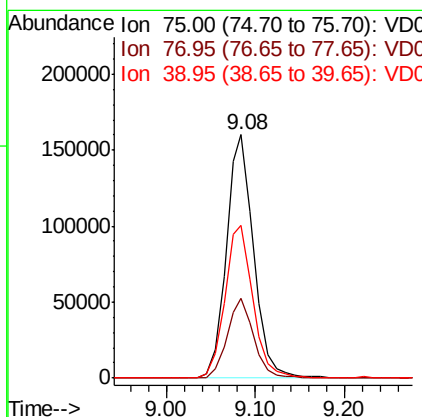
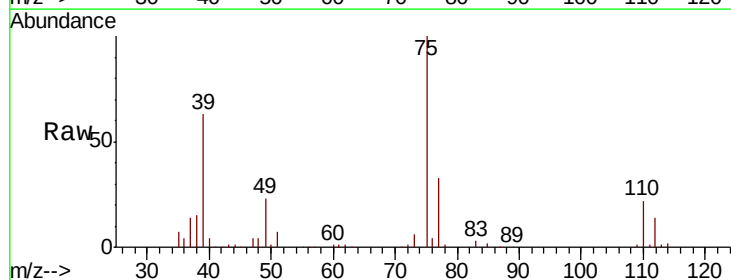
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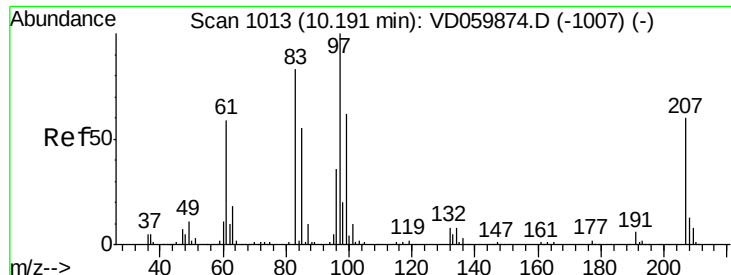
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#54
cis-1,3-Dichloropropene
Concen: 20.86 ug/l
RT: 9.08 min Scan# 900
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 75 Resp: 343660
Ion Ratio Lower Upper
75 100
77 32.6 24.8 37.2
39 62.5 52.1 78.1





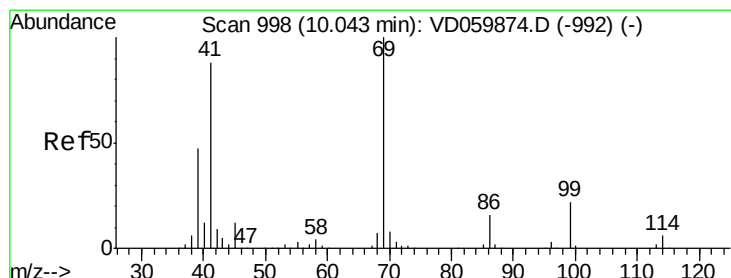
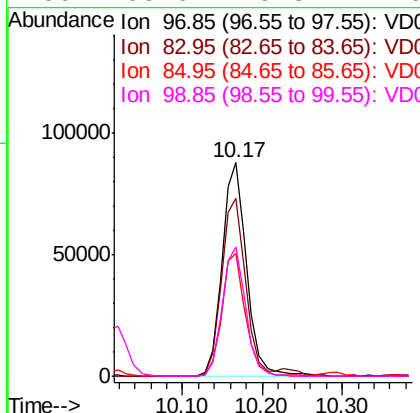
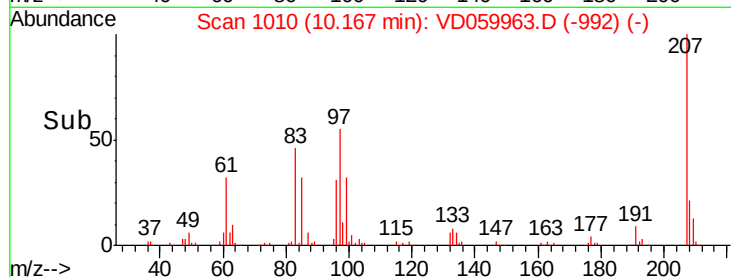
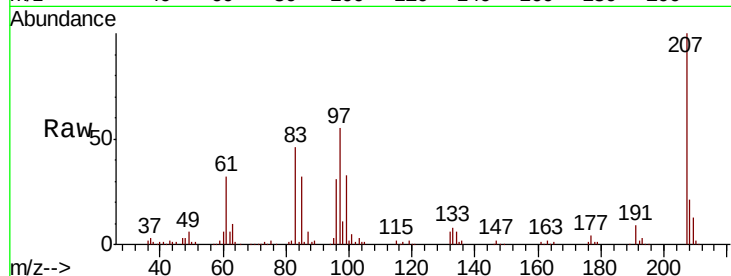
#55
 1,1,2-Trichloroethane
 Concen: 21.42 ug/l
 RT: 10.17 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		189552		
83	83.5	66.7	100.1		
85	57.7	43.8	65.6		
99	60.6	49.8	74.6		

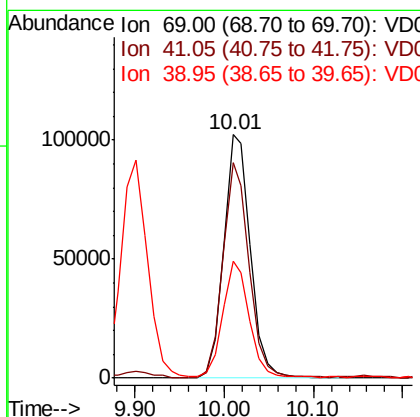
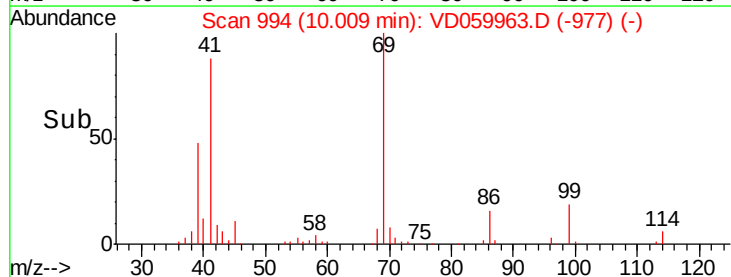
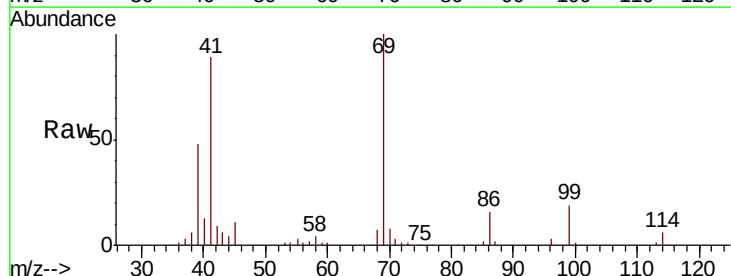
Manual Integrations
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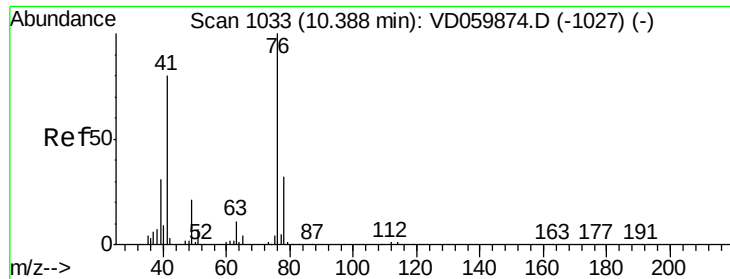
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#56
 Ethyl methacrylate
 Concen: 21.02 ug/l
 RT: 10.01 min Scan# 994
 Delta R.T. -0.03 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		214702		
41	88.6	71.0	106.4		
39	47.8	38.5	57.7		





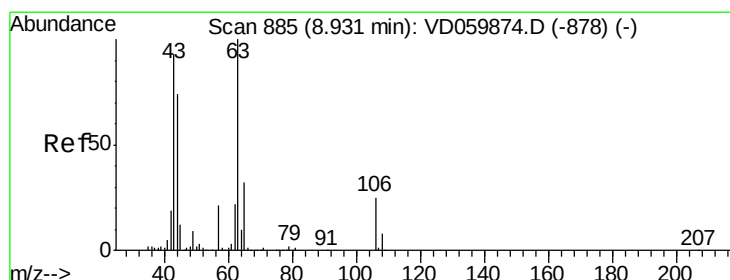
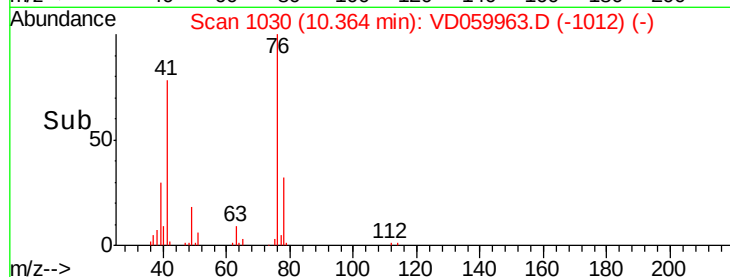
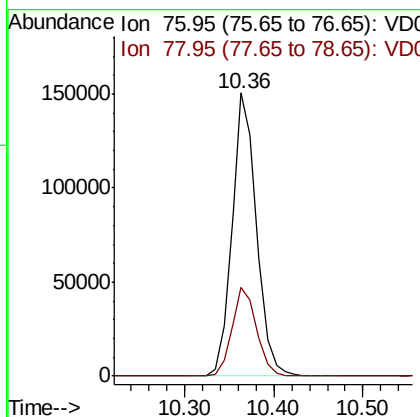
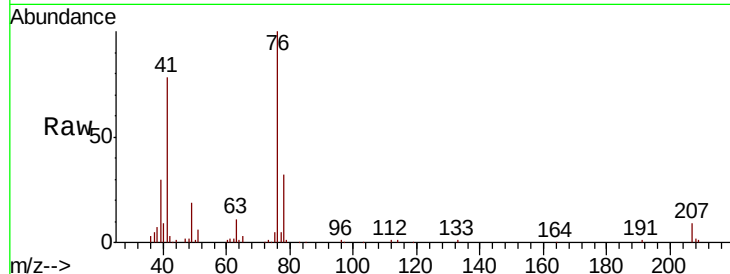
#57
 1,3-Dichloropropane
 Concen: 22.54 ug/l
 RT: 10.36 min Scan# 1030
 Delta R.T. -0.02 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0905SBSD01

Tot Ion: 76 Resp: 288744
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

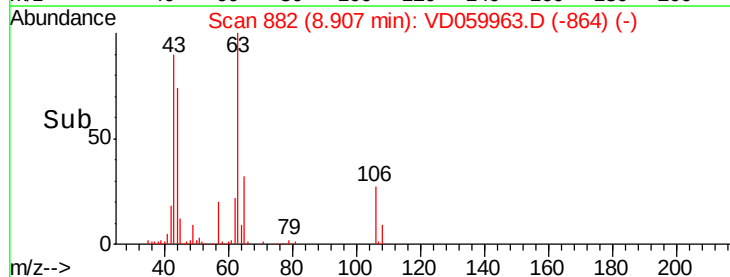
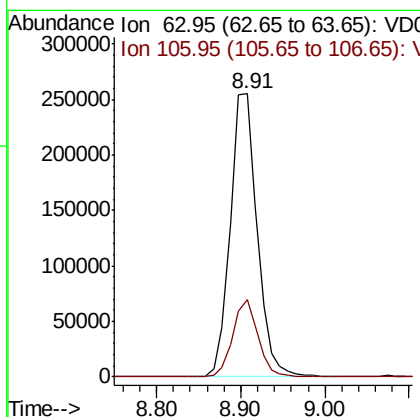
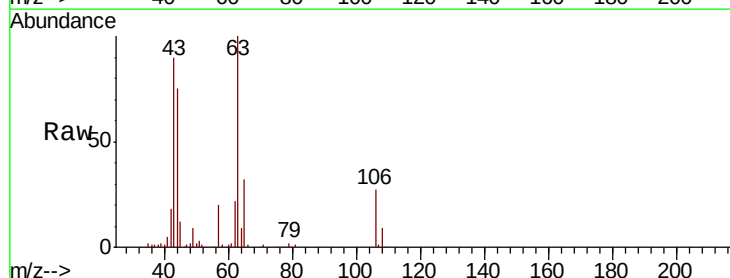
Manual Integrations
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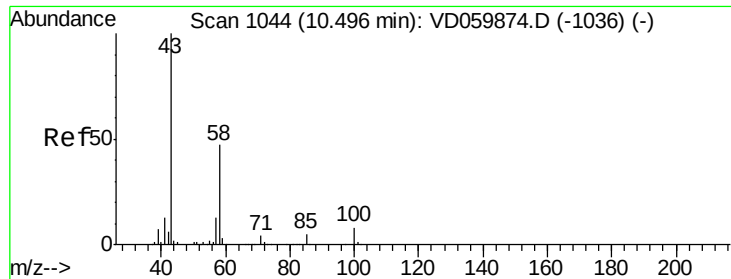
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.13 ug/l
 RT: 8.91 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion: 63 Resp: 568968
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.1 30.1





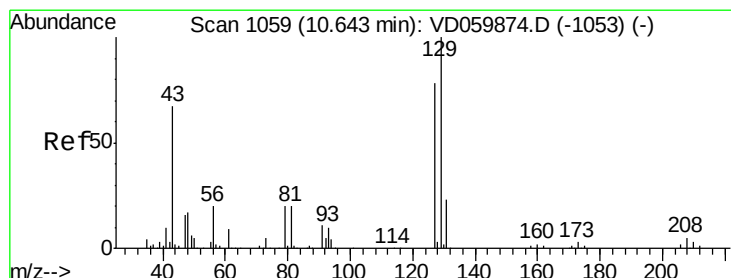
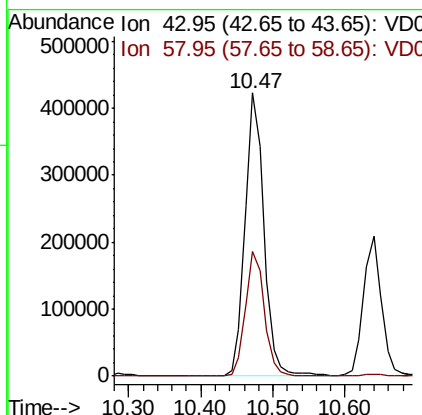
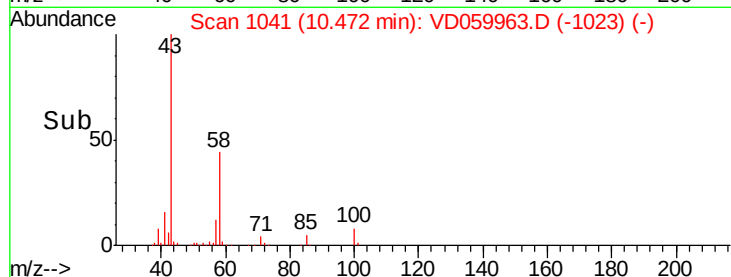
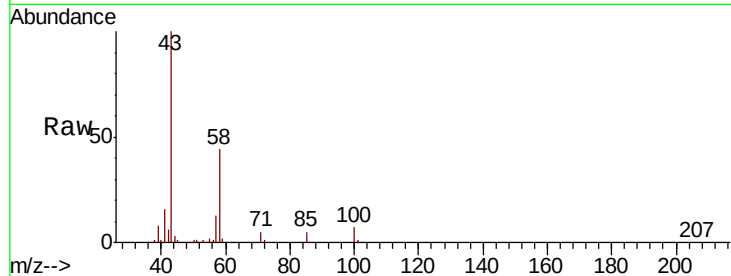
#59
2-Hexanone
Concen: 96.91 ug/l
RT: 10.47 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion: 43 Resp: 783360
Ion Ratio Lower Upper
43 100
58 44.0 23.3 69.8

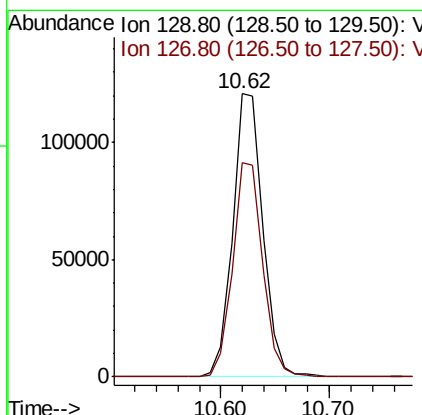
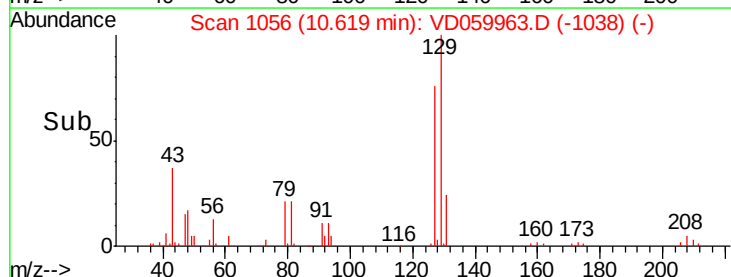
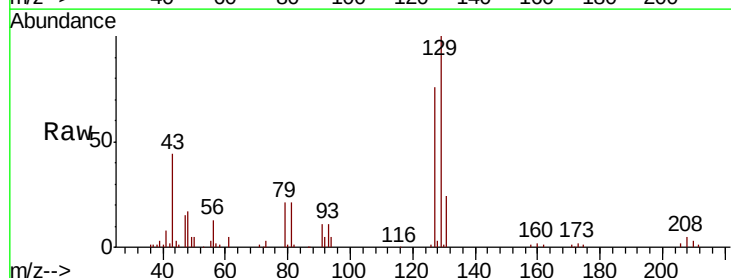
Manual Integrations
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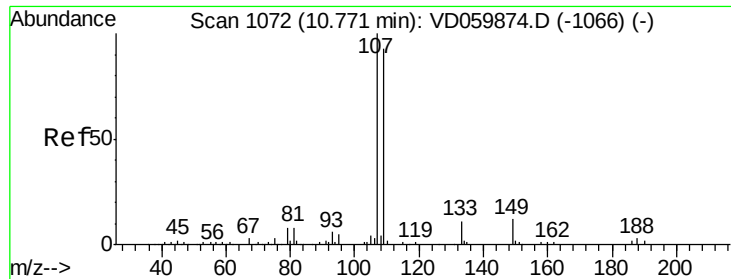
apatel
9/6/2018 2:16:48 PM



#60
Dibromochloromethane
Concen: 21.00 ug/l
RT: 10.62 min Scan# 1056
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 129 Resp: 233594
Ion Ratio Lower Upper
129 100
127 75.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.28 ug/l

RT: 10.75 min Scan# 1069

Delta R.T. -0.02 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

Tot Ion:107 Resp: 190394

Ion Ratio Lower Upper

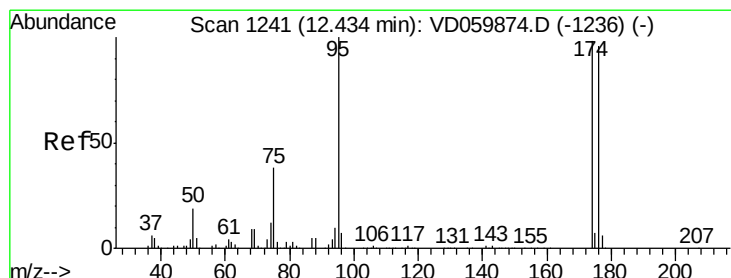
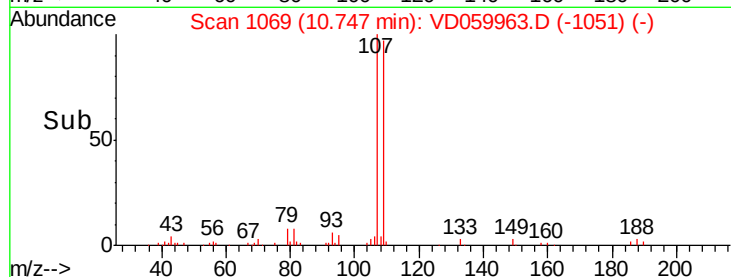
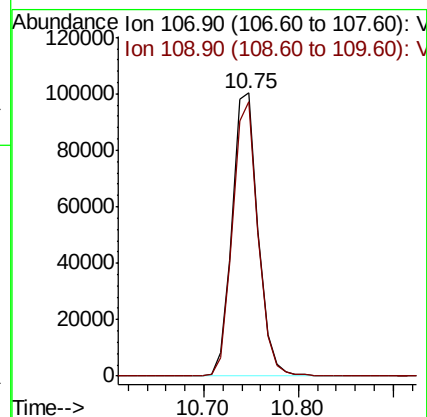
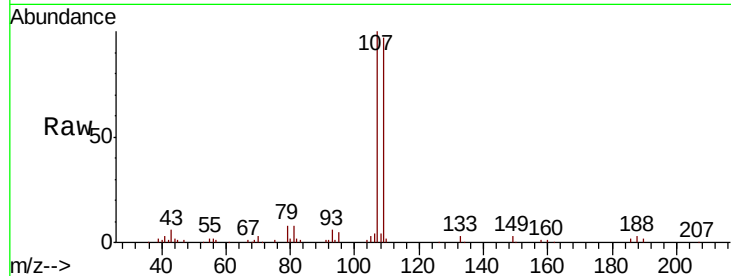
107 100

109 96.8 74.6 112.0

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#62

4-Bromofluorobenzene

Concen: 21.28 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

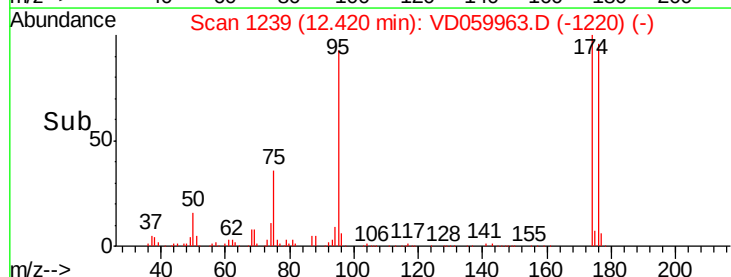
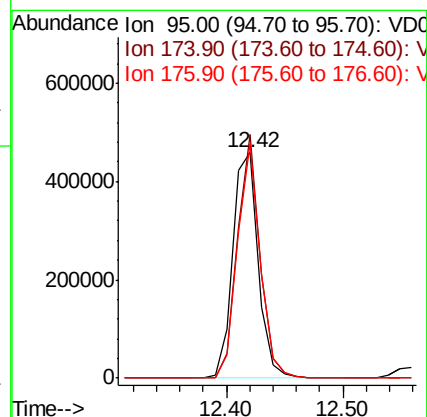
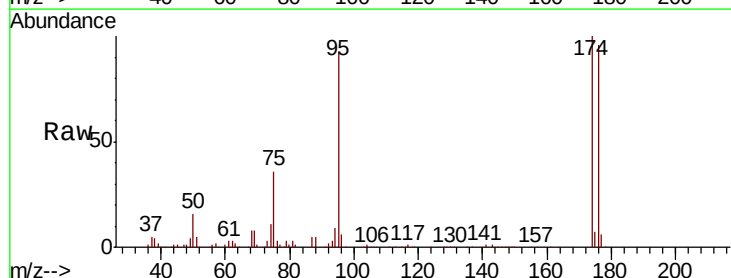
Tgt Ion: 95 Resp: 692471

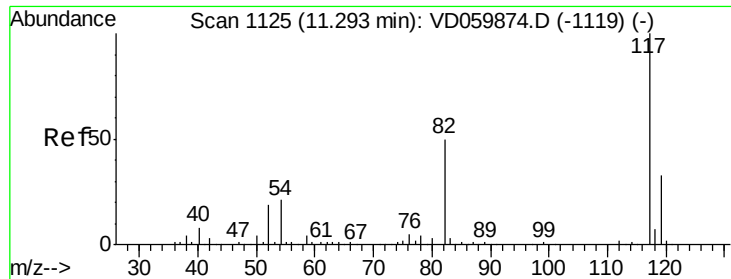
Ion Ratio Lower Upper

95 100

174 107.9 0.0 195.6

176 104.0 0.0 191.2





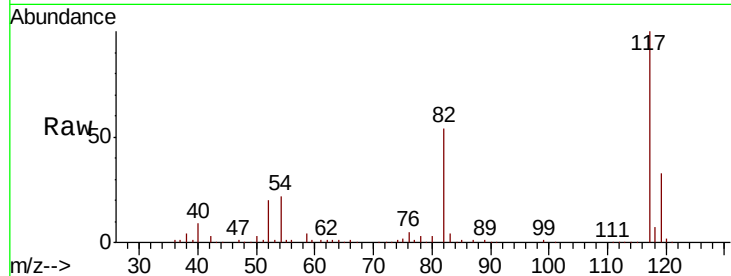
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

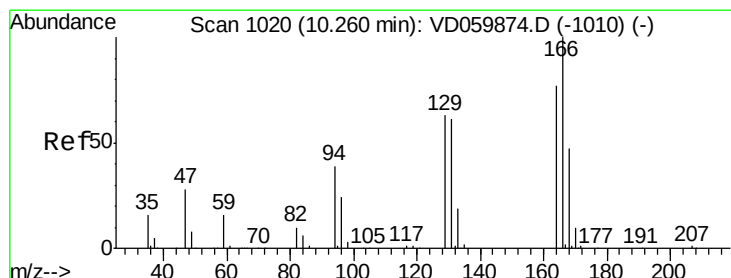
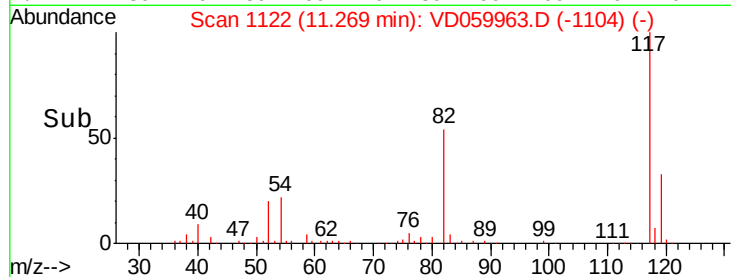
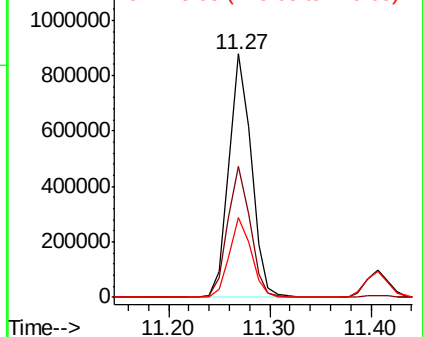
Tot Ion:117 Resp: 1358007
Ion Ratio Lower Upper
117 100
82 53.8 40.1 60.1
119 32.7 26.7 40.1

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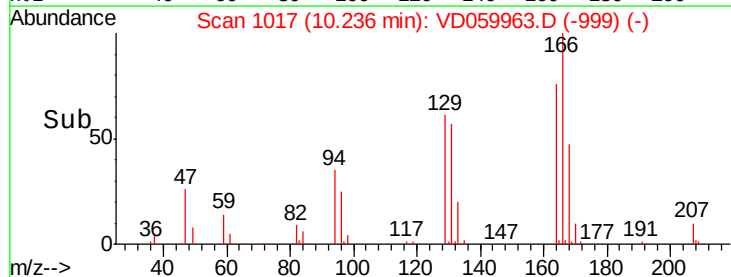
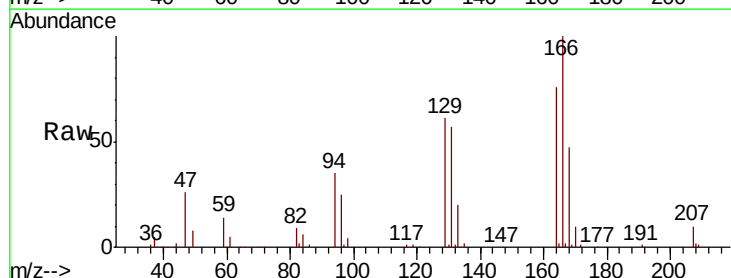
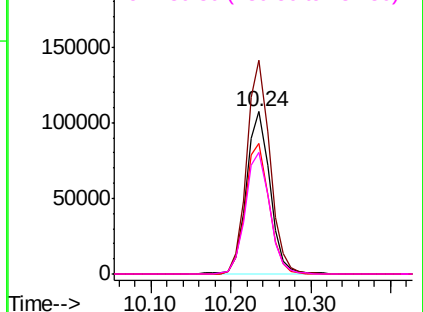
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

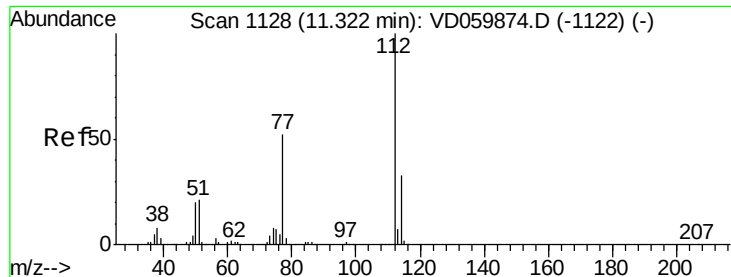


#64
Tetrachloroethene
Concen: 20.61 ug/l
RT: 10.24 min Scan# 1017
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion:164 Resp: 216397
Ion Ratio Lower Upper
164 100
166 131.8 103.4 155.2
129 80.5 65.2 97.8
131 75.0 63.1 94.7

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





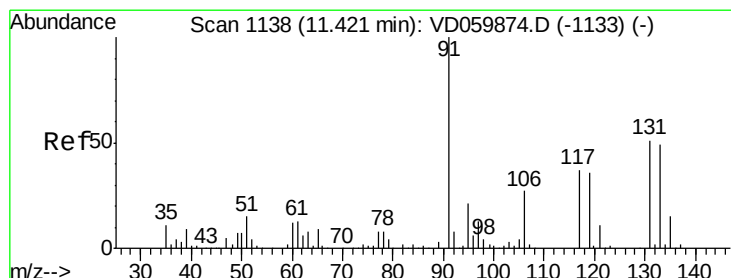
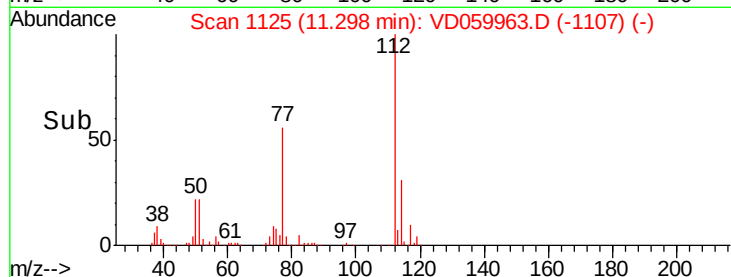
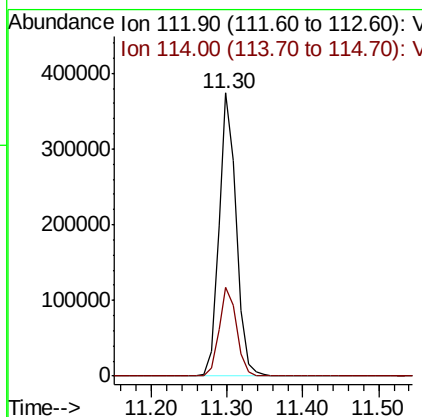
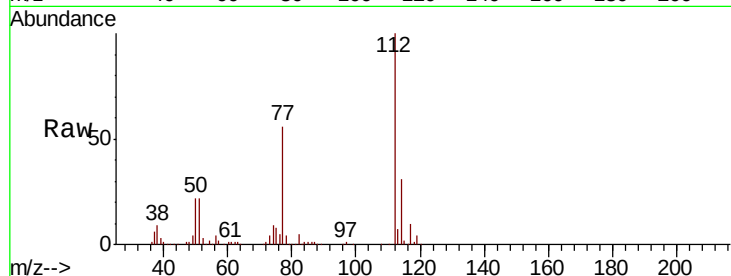
#65
Chlorobenzene
Concen: 22.06 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	595443		
114	31.3	26.4	39.6	

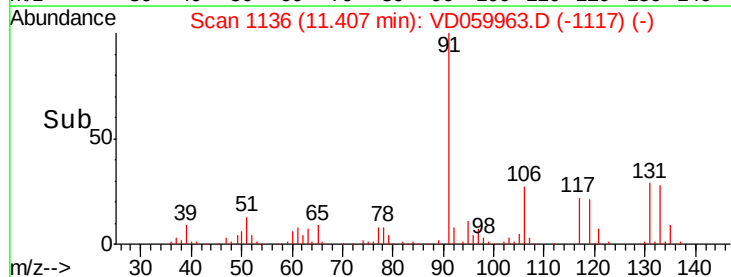
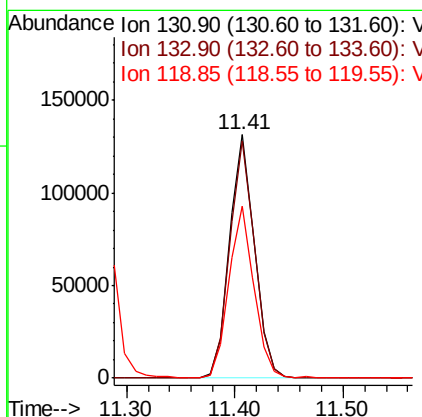
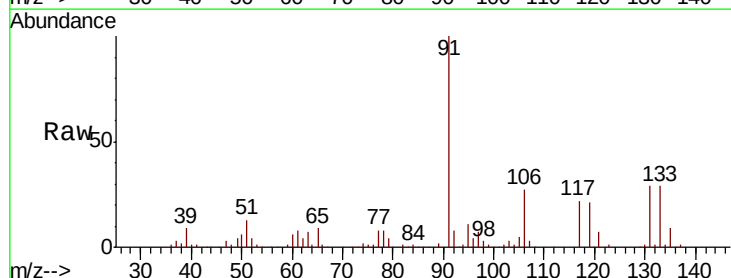
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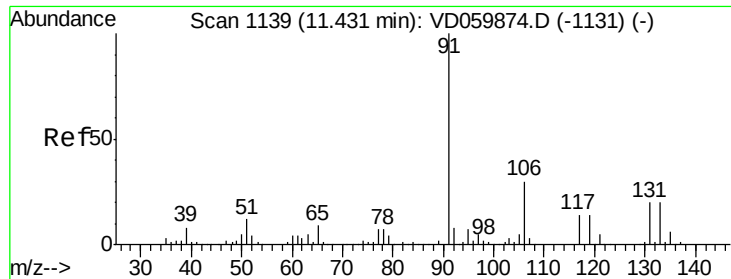
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.46 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	211535		
133	97.3	48.3	144.8	
119	70.7	35.4	106.3	





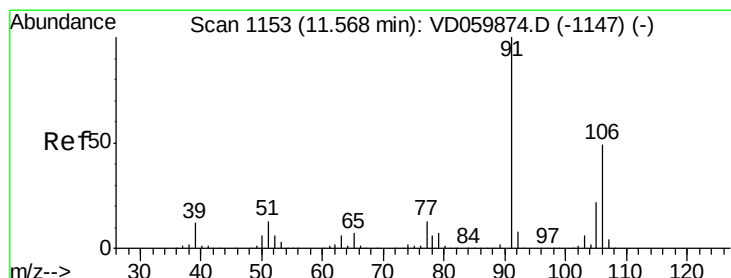
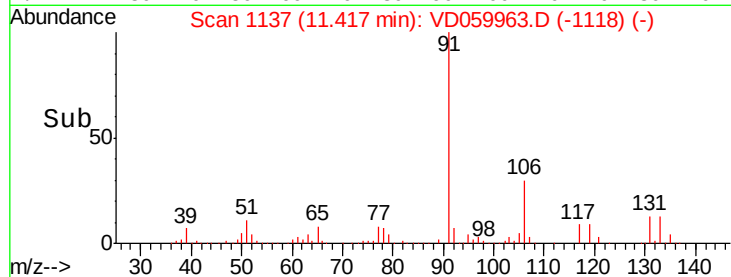
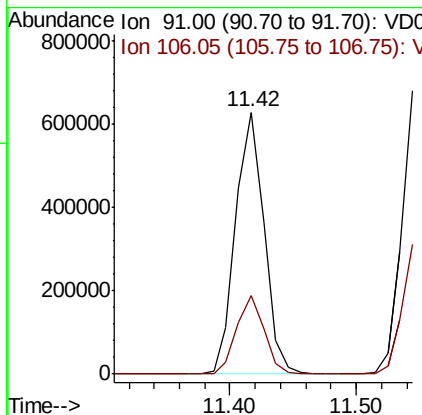
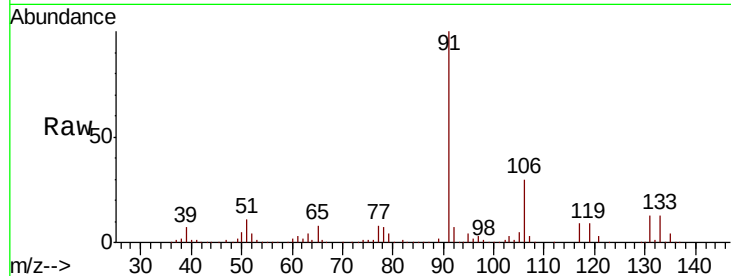
#67
Ethyl Benzene
Concen: 21.61 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleID :
VD0905SBS01

Tot Ion: 91 Resp: 981006
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8

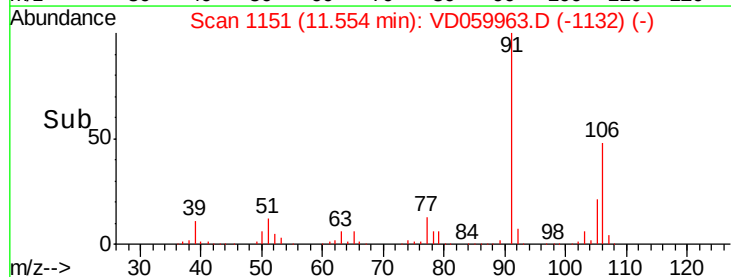
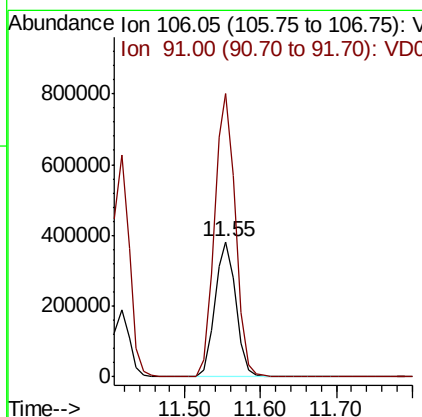
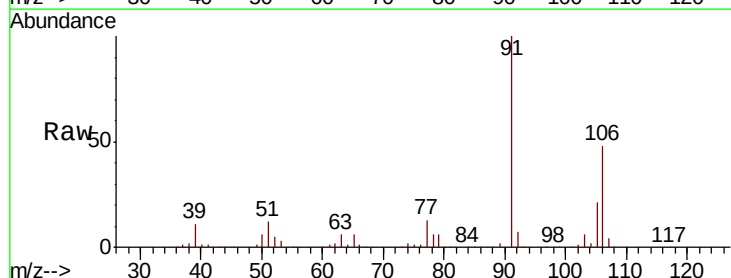
Manual Integrations
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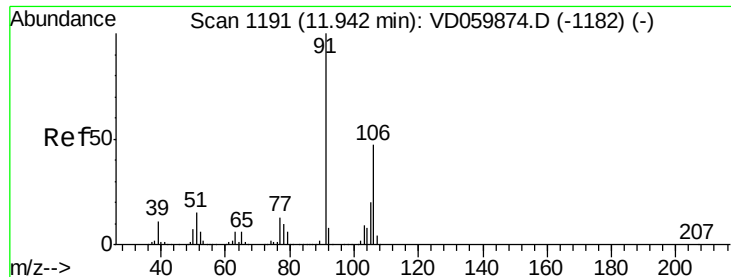
apatel
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#68
m/p-Xylenes
Concen: 44.72 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 106 Resp: 739166
Ion Ratio Lower Upper
106 100
91 209.3 162.0 243.0





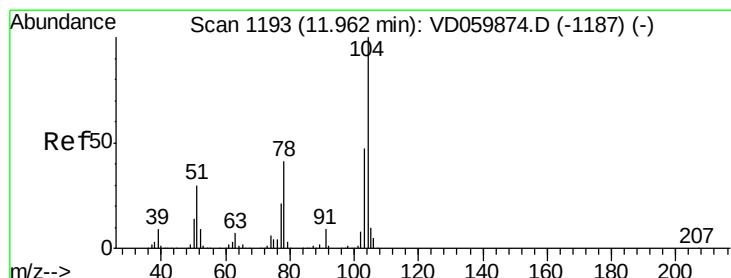
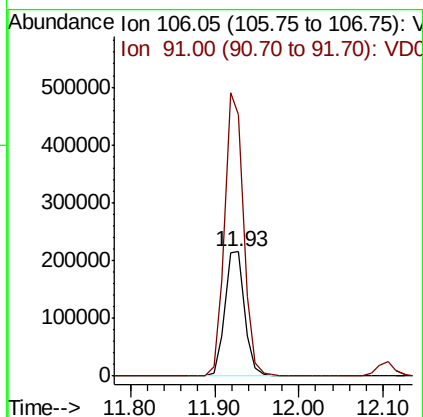
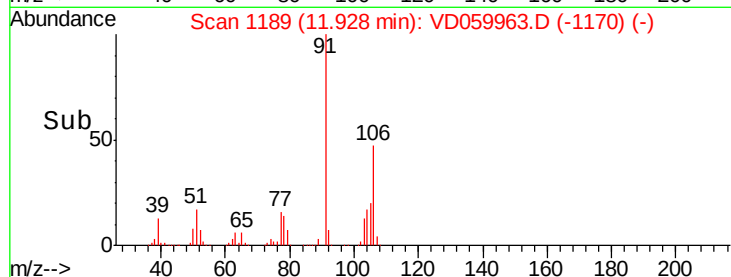
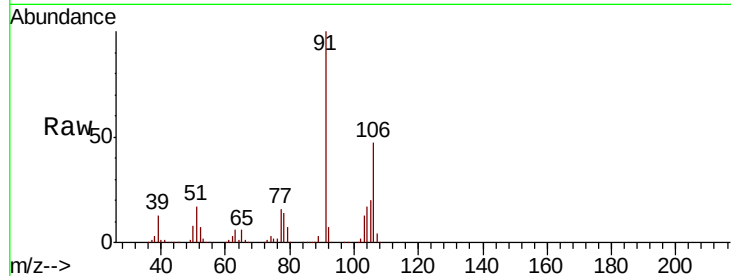
#69
o-Xylene
Concen: 21.70 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleID :
VD0905SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		350786		
91	211.0	107.3	322.0		

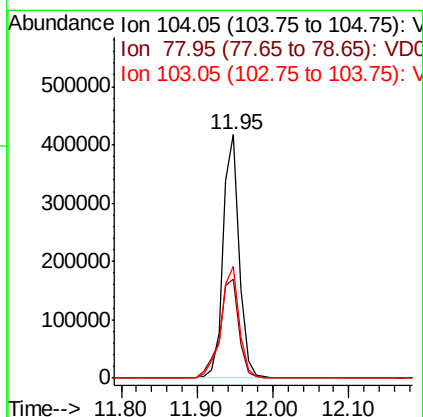
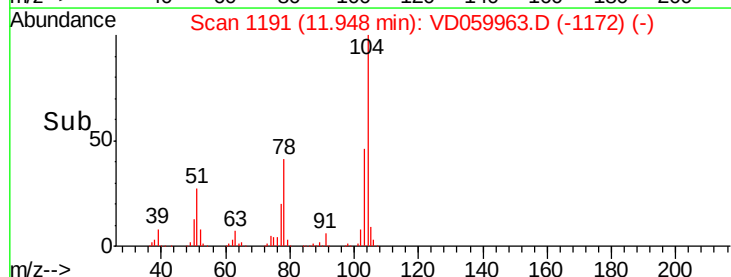
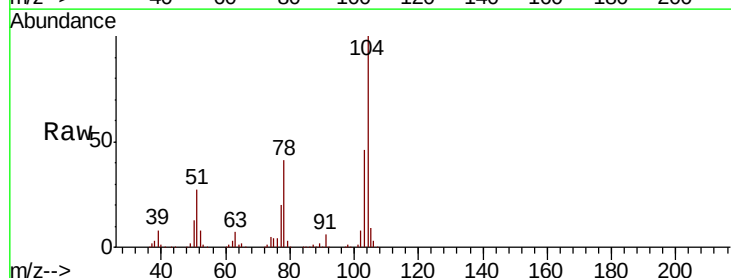
Manual Integrations
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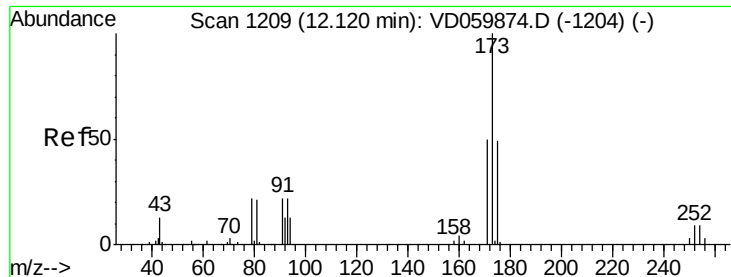
apatel
9/6/2018 2:16:48 PM



#70
Styrene
Concen: 22.07 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		617729		
78	40.9	32.6	49.0		
103	45.8	37.7	56.5		





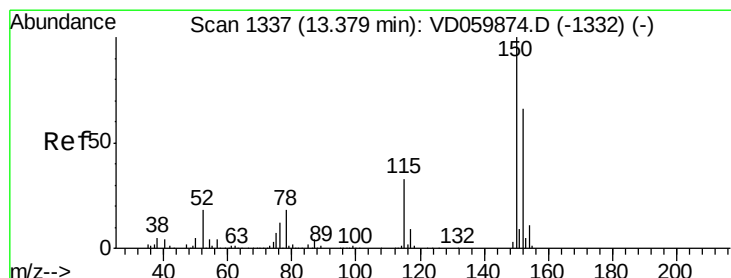
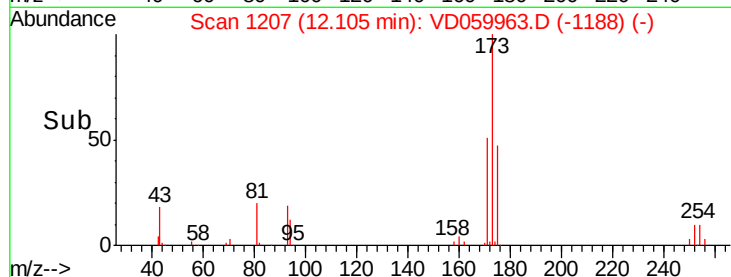
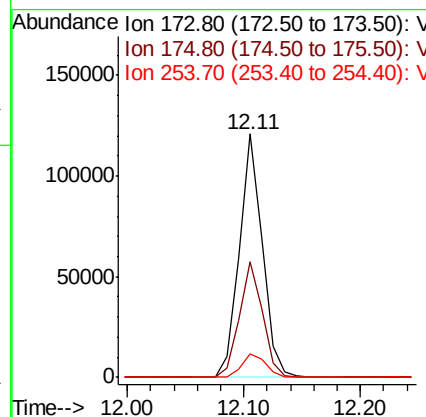
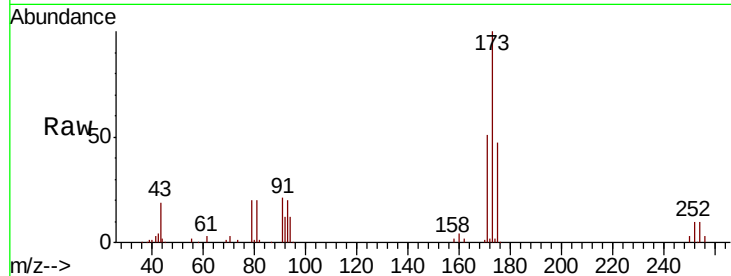
#71
Bromoform
Concen: 19.34 ug/l
RT: 12.11 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.3	73.0
254	9.7	7.0	10.6

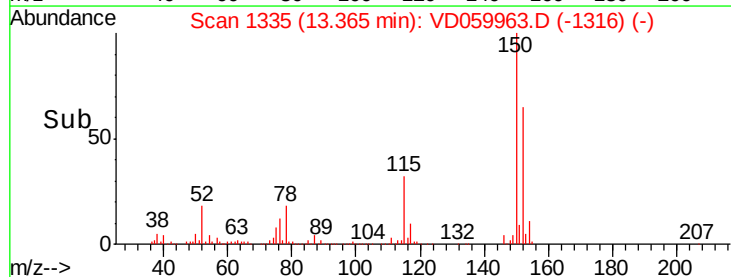
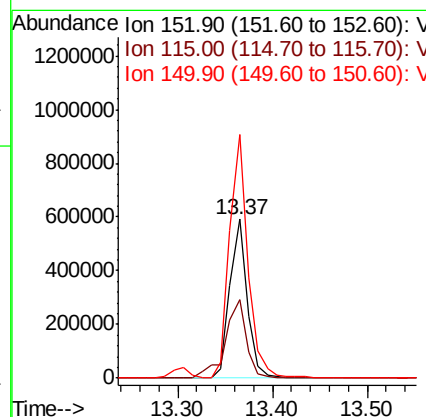
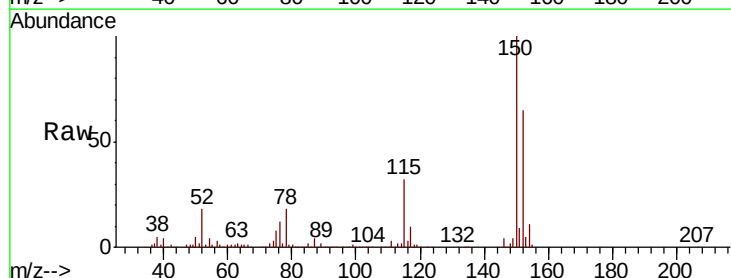
Manual Integrations
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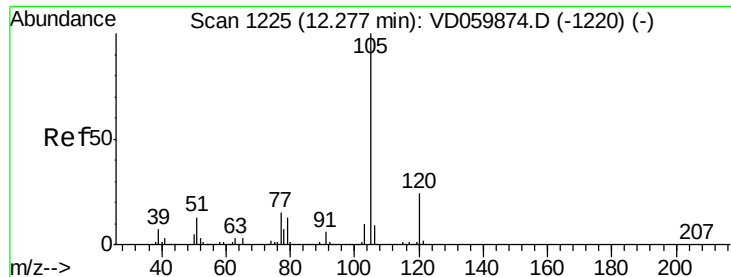
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.3	25.7	77.0
150	153.4	0.0	310.2





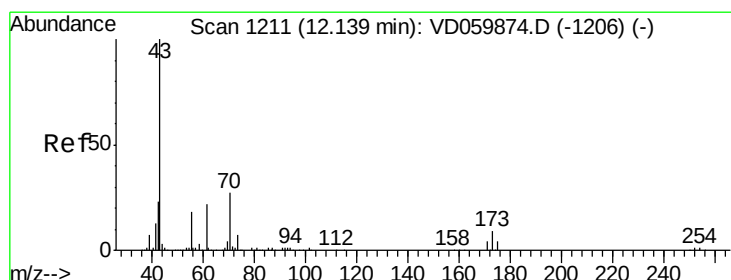
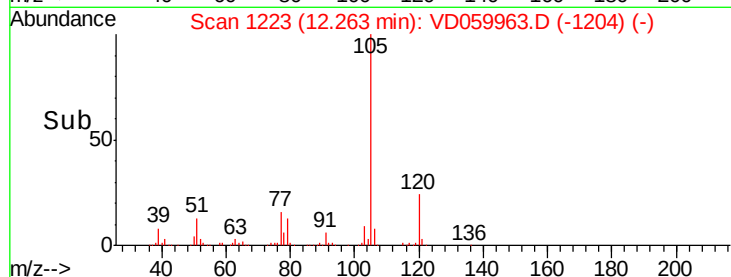
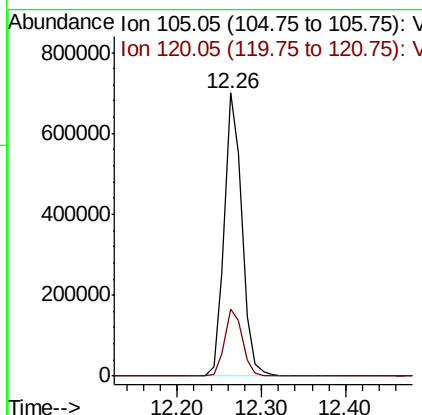
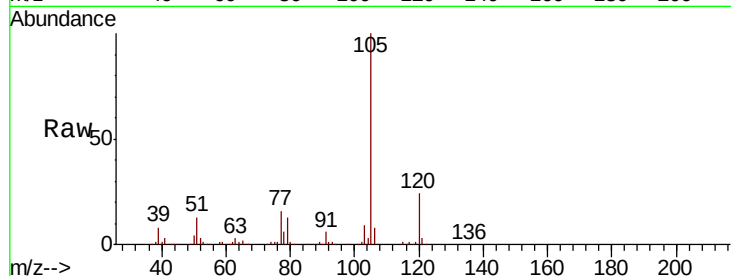
#73
Isopropylbenzene
Concen: 21.16 ug/l
RT: 12.26 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion: 105 Resp: 1019600
Ion Ratio Lower Upper
105 100
120 23.8 11.8 35.4

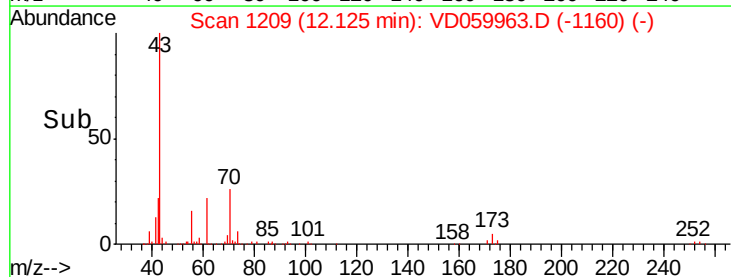
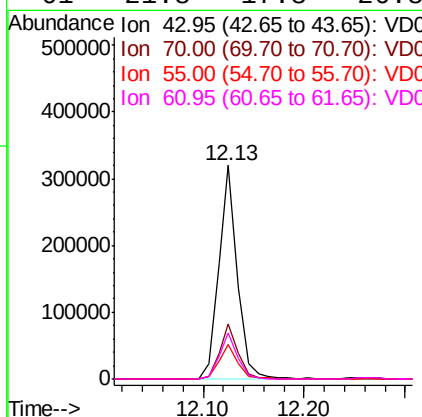
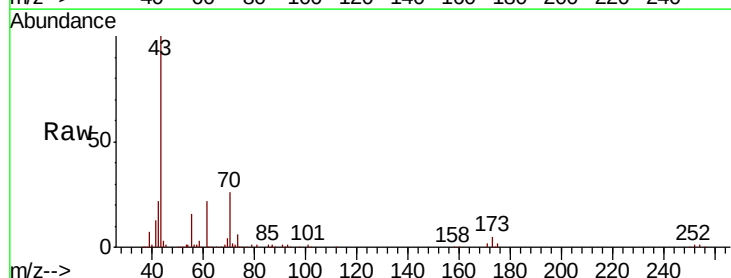
Manual Integrations
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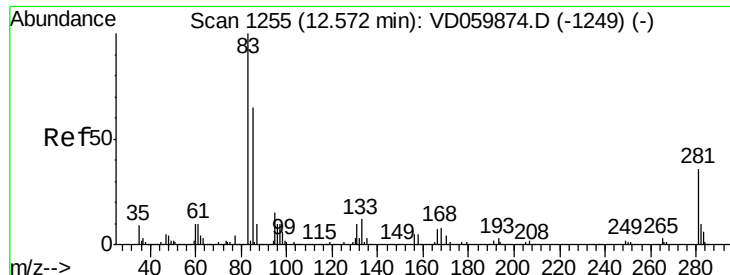
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#74
N-ethyl acetate
Concen: 19.37 ug/l
RT: 12.13 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 43 Resp: 408701
Ion Ratio Lower Upper
43 100
70 26.0 21.4 32.2
55 16.4 14.1 21.1
61 21.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.39 ug/l

RT: 12.55 min Scan# 1252

Delta R.T. -0.02 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion: 83 Resp: 227292

Ion Ratio Lower Upper

83 100

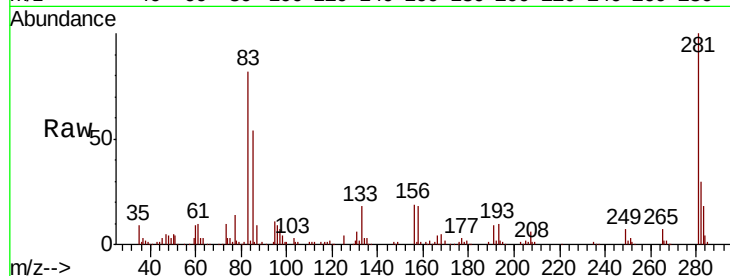
131 7.9 4.8 14.4

85 66.4 32.6 97.8

Manual Integrations
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apatel

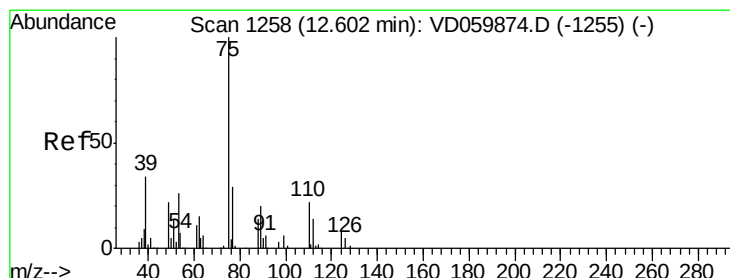
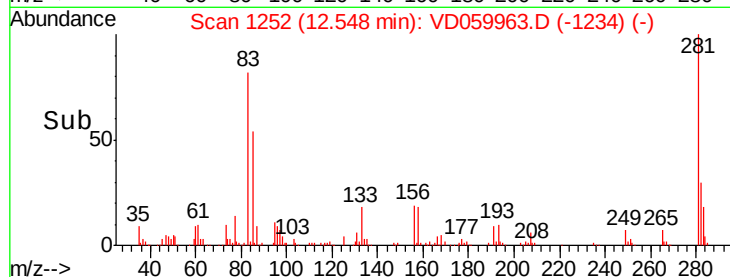
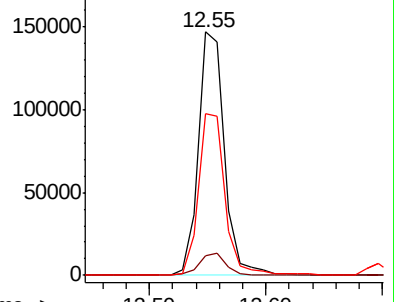
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.65 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VD059963.D

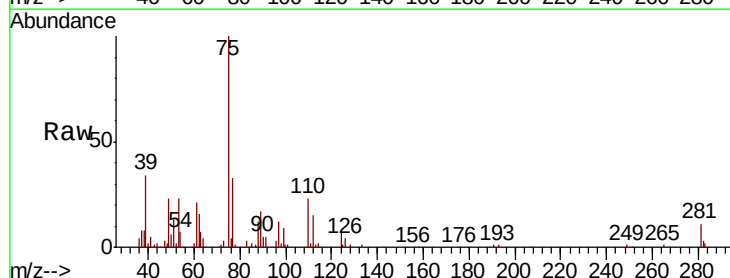
Acq: 5 Sep 2018 12:20

Tgt Ion: 75 Resp: 242340

Ion Ratio Lower Upper

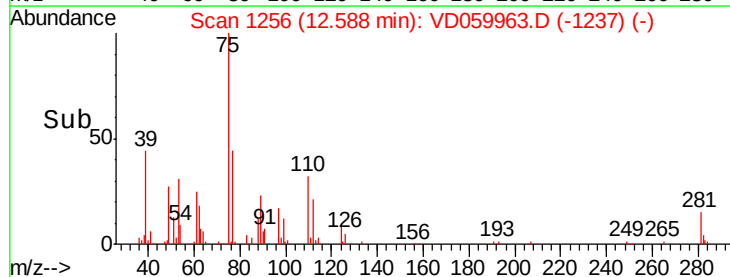
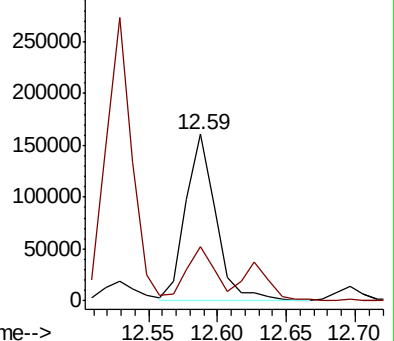
75 100

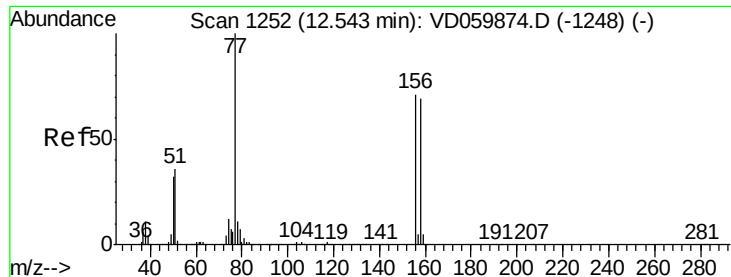
77 32.6 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





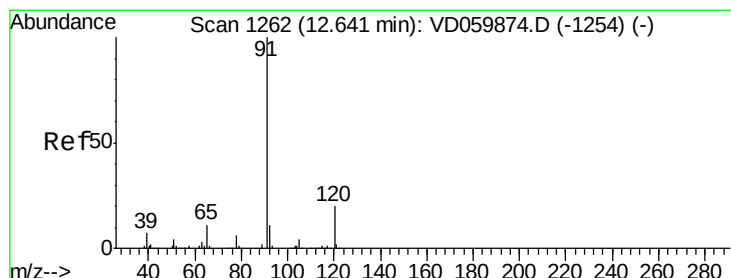
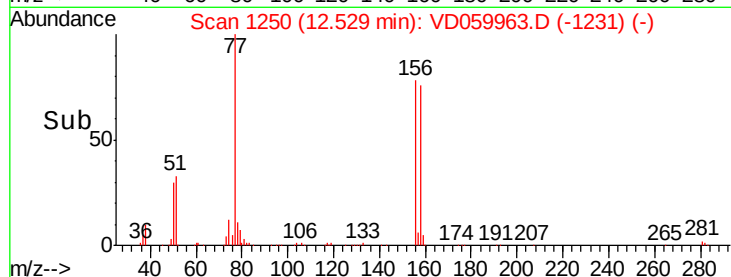
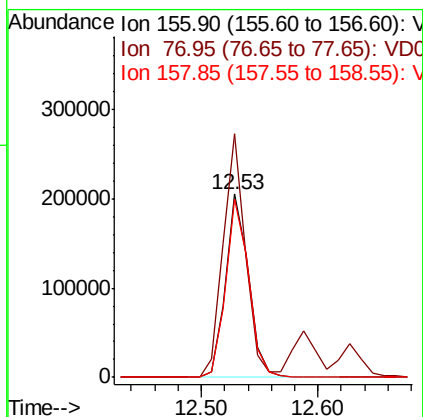
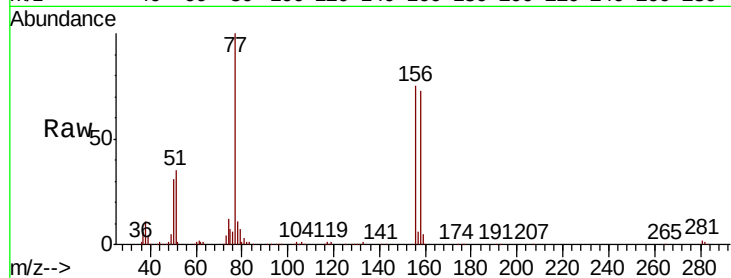
#77
Bromobenzene
Concen: 20.89 ug/l
RT: 12.53 min Scan# 1250
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleID :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.0	70.2	210.4
158	97.3	48.4	145.2

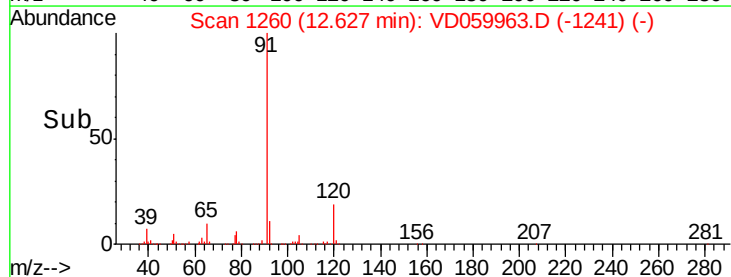
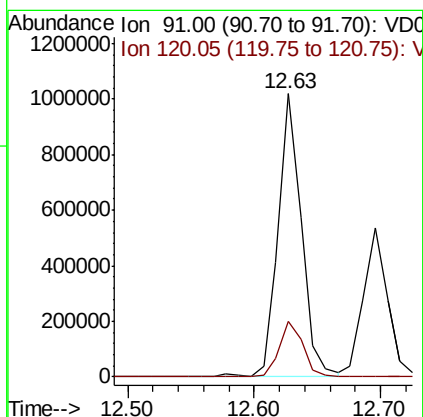
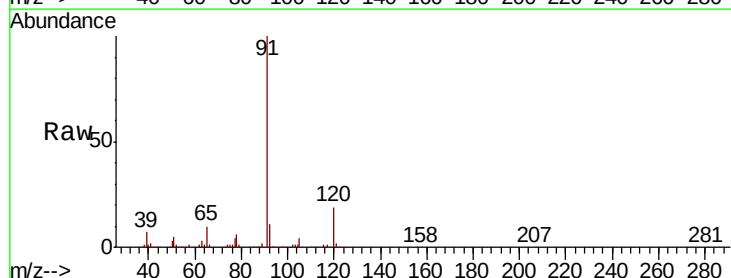
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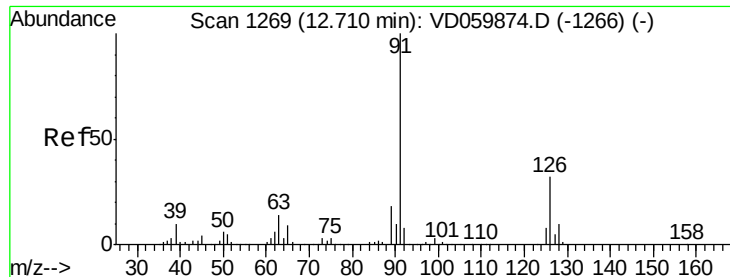
apatel
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#78
n-propylbenzene
Concen: 21.42 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.4	10.1	30.3





#79

2-Chlorotoluene

Concen: 20.58 ug/l

RT: 12.70 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

Tot Ion: 91 Resp: 710148

Ion Ratio Lower Upper

91 100

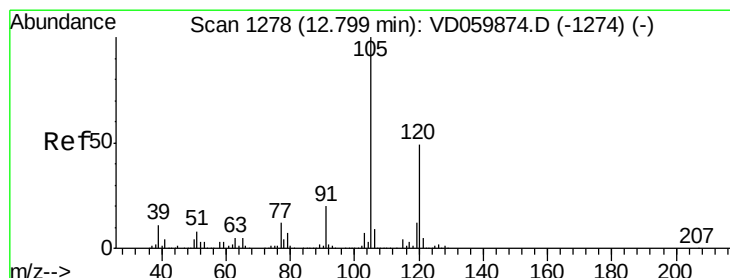
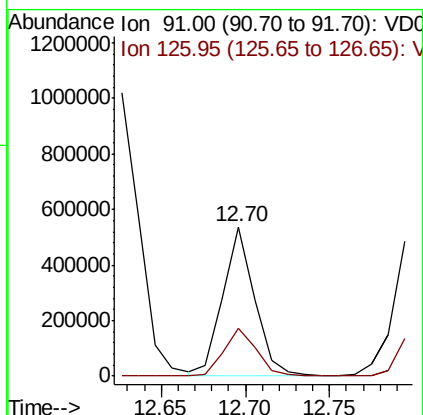
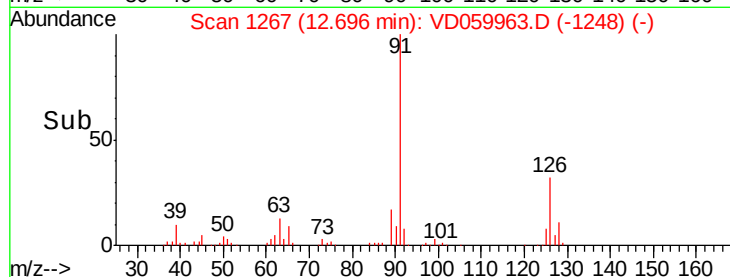
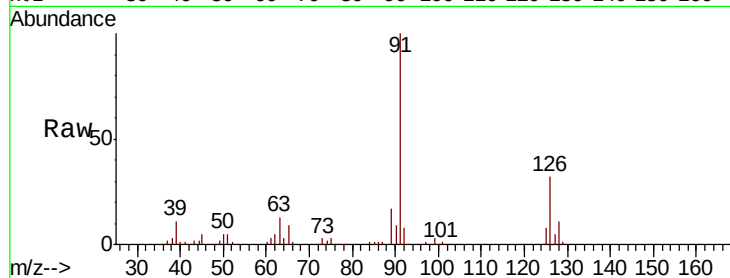
126 32.3 16.1 48.2

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#80

1,3,5-Trimethylbenzene

Concen: 21.10 ug/l

RT: 12.78 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VD059963.D

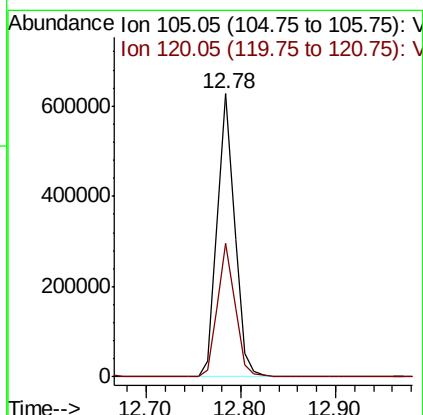
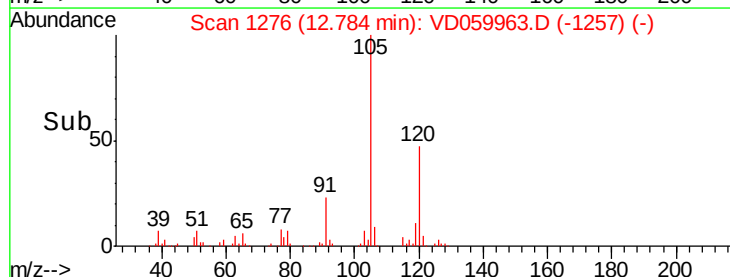
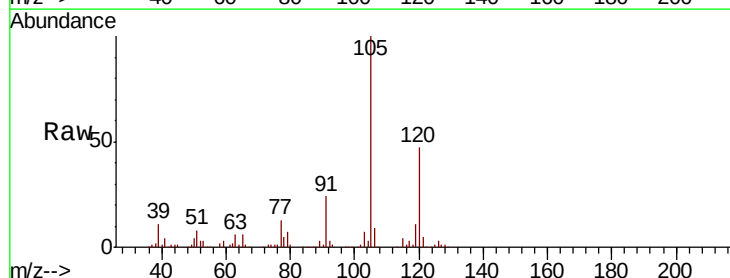
Acq: 5 Sep 2018 12:20

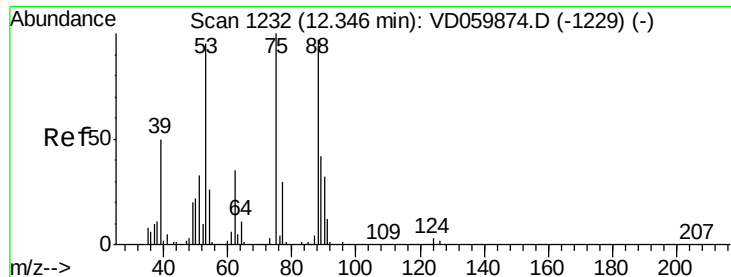
Tgt Ion: 105 Resp: 808243

Ion Ratio Lower Upper

105 100

120 47.4 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 17.46 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

Tot Ion: 75 Resp: 63723

Ion Ratio Lower Upper

75 100

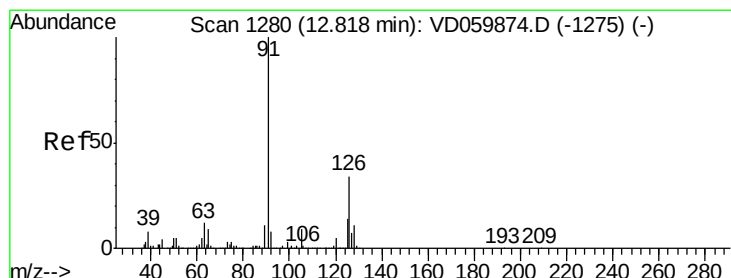
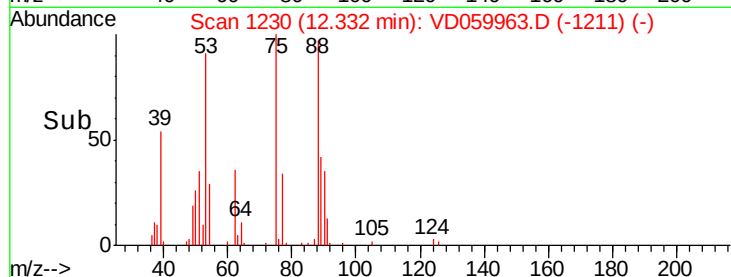
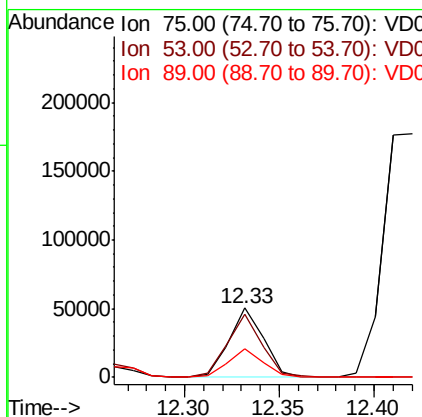
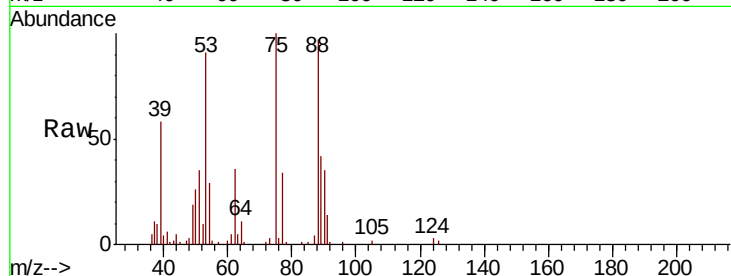
53 91.5 75.8 113.6

89 41.9 33.6 50.4

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#82

4-Chlorotoluene

Concen: 21.23 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059963.D

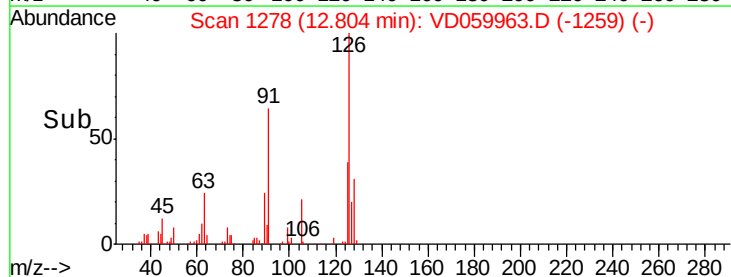
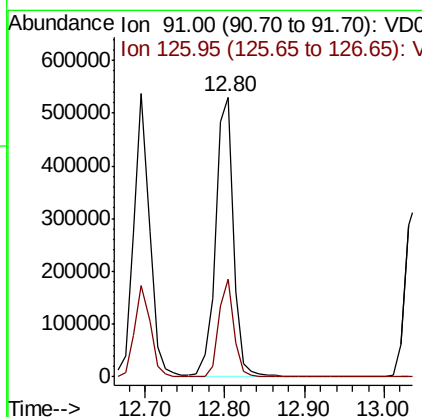
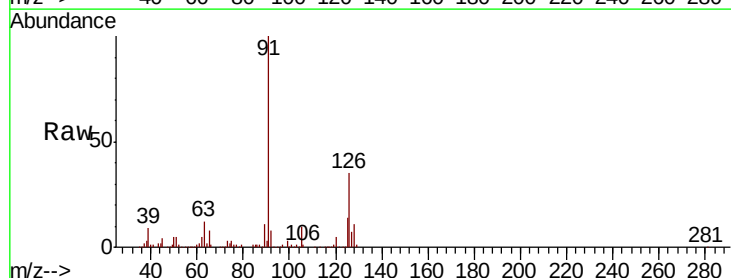
Acq: 5 Sep 2018 12:20

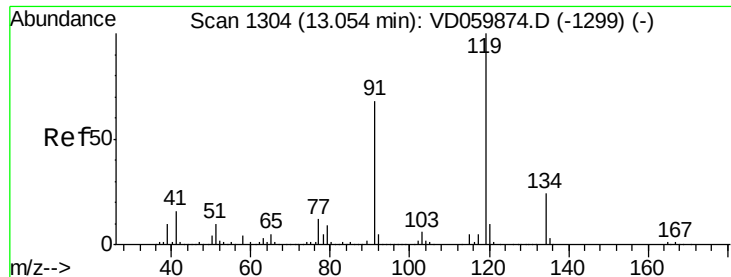
Tgt Ion: 91 Resp: 835576

Ion Ratio Lower Upper

91 100

126 35.1 17.1 51.2





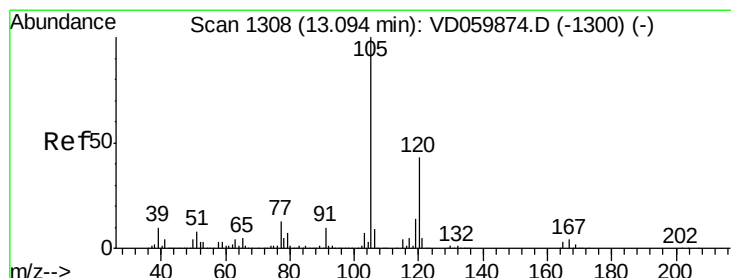
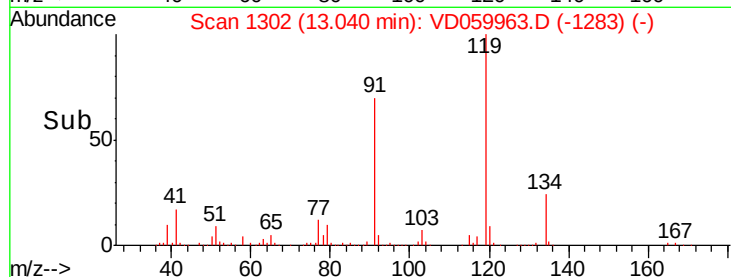
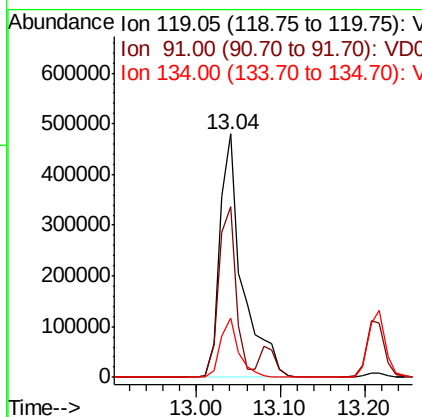
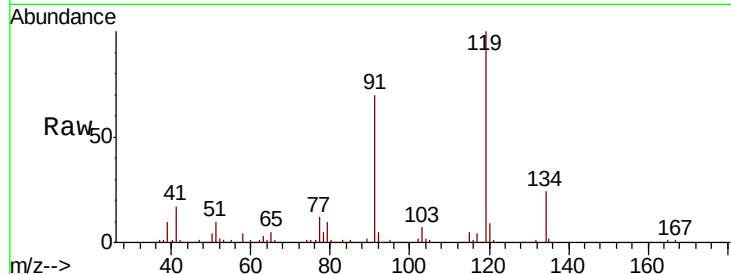
#83
tert-Butylbenzene
Concen: 20.35 ug/l
RT: 13.04 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	888350		
91	70.1	34.3	102.9	
134	24.2	11.9	35.9	

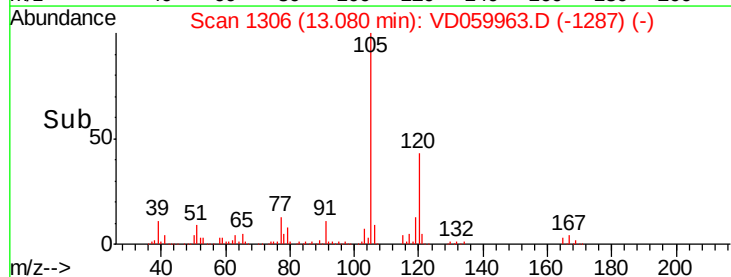
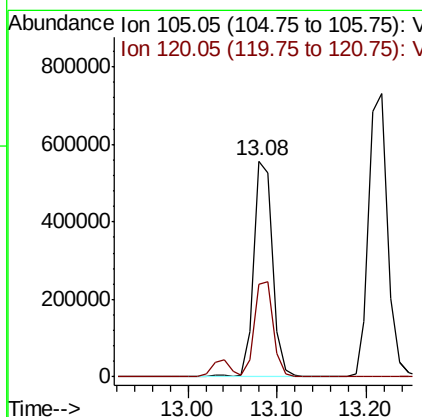
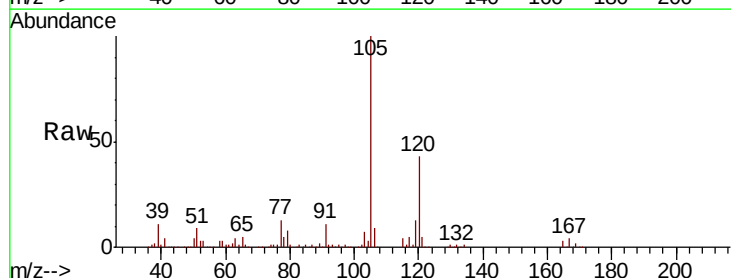
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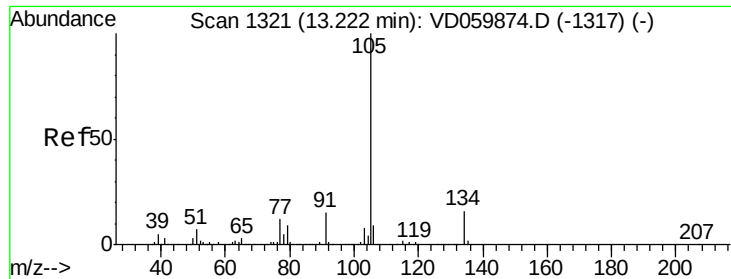
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 20.13 ug/l
RT: 13.08 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	803790		
120	42.8	21.8	65.3	





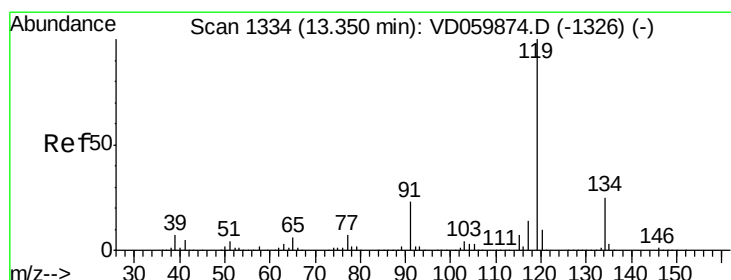
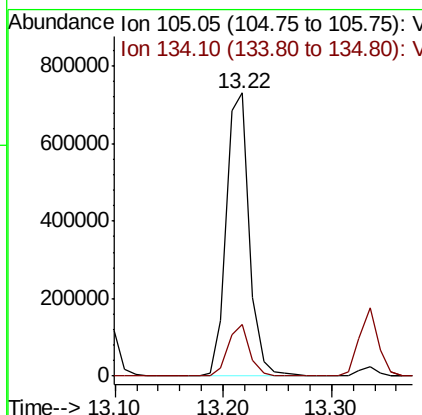
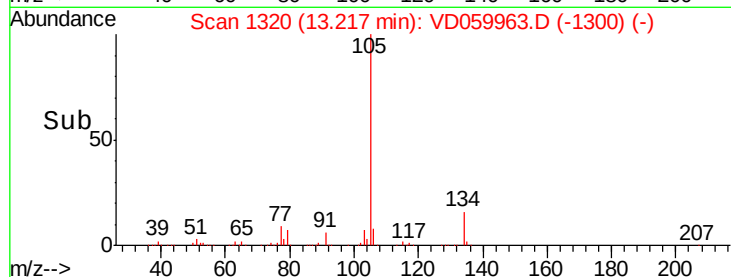
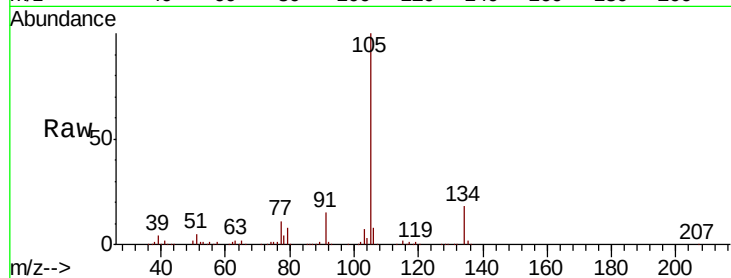
#85
 sec-Butylbenzene
 Concen: 20.97 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion:105 Resp: 1076497
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.2 24.4

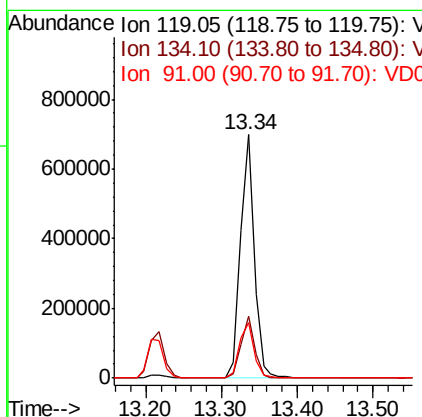
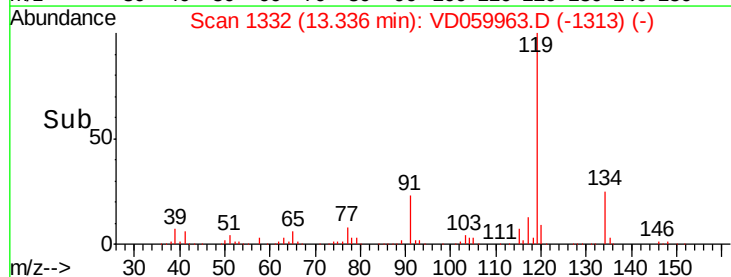
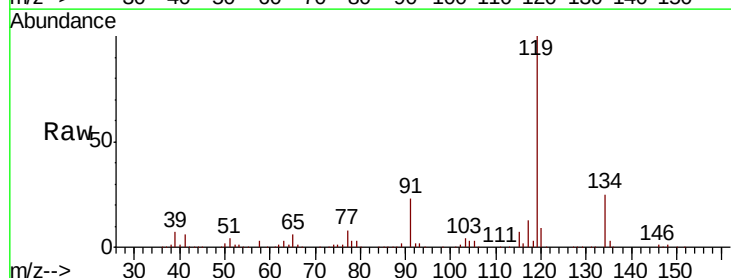
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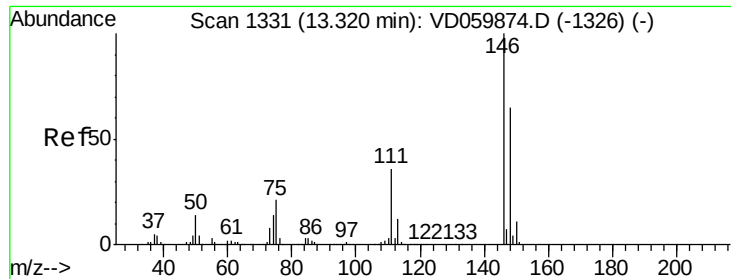
apatel
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#86
 p-Isopropyltoluene
 Concen: 20.82 ug/l
 RT: 13.34 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion:119 Resp: 869123
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.1
 91 22.9 11.7 35.0





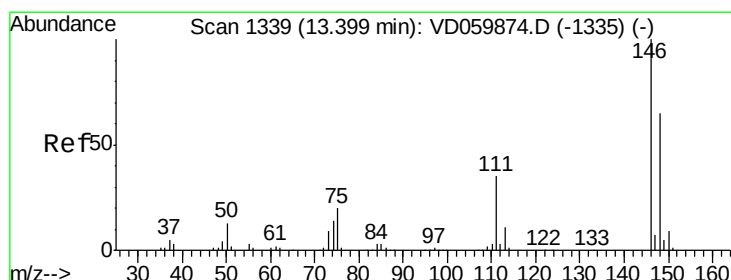
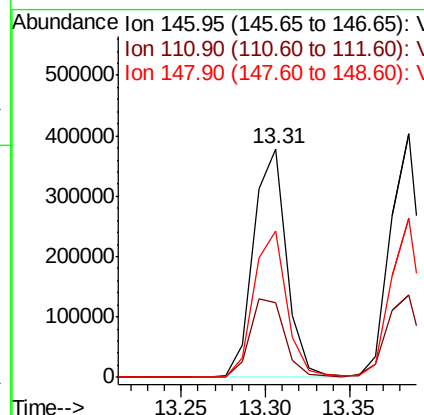
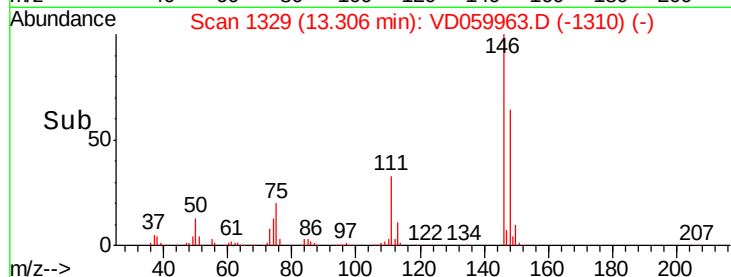
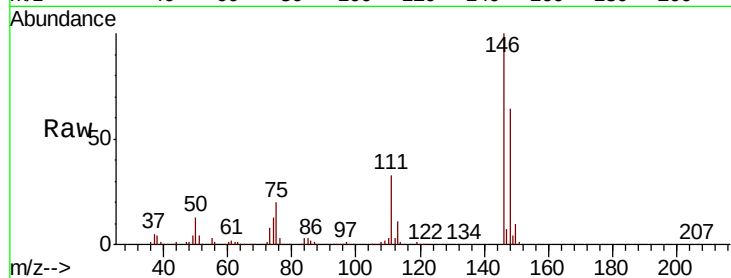
#87
 1,3-Dichlorobenzene
 Concen: 21.61 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0905SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	32.7	17.9	53.7
148	64.2	32.4	97.0

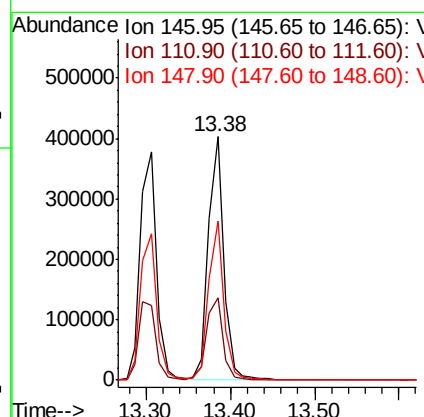
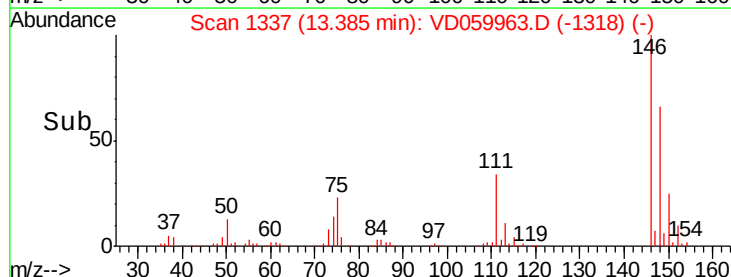
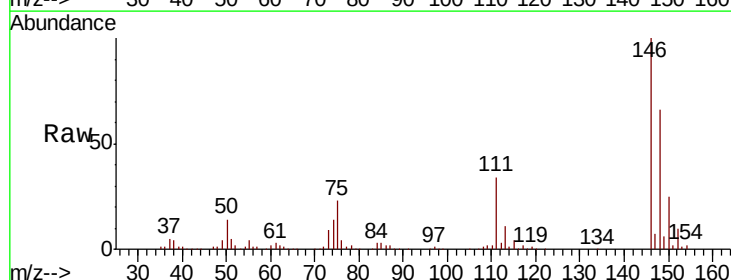
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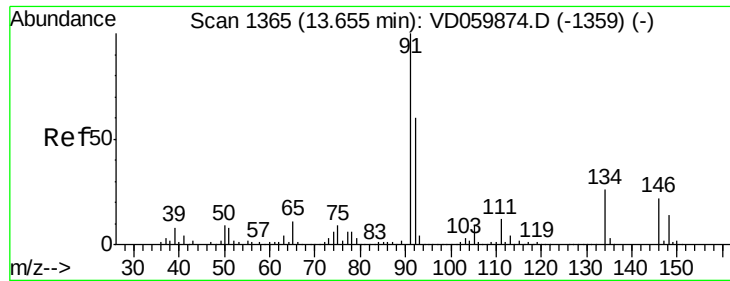
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 21.75 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.8	17.5	52.6
148	65.6	32.5	97.5





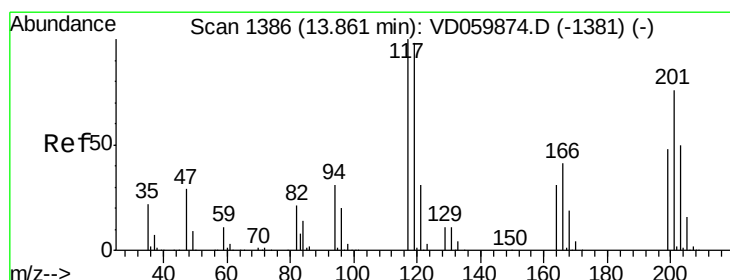
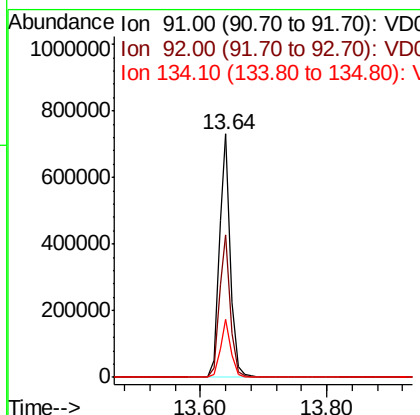
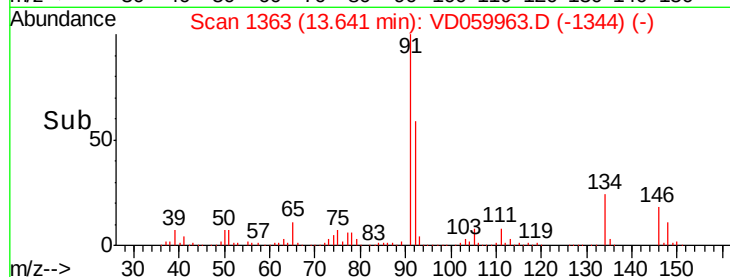
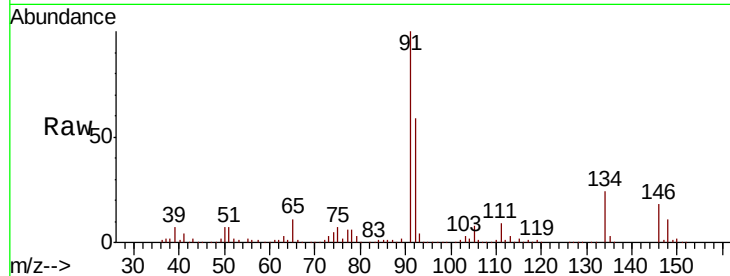
#89
n-Butylbenzene
Concen: 20.15 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	909827		
92	58.7		30.0	90.1
134	23.7		12.8	38.4

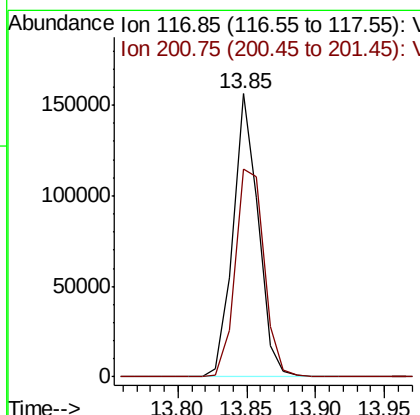
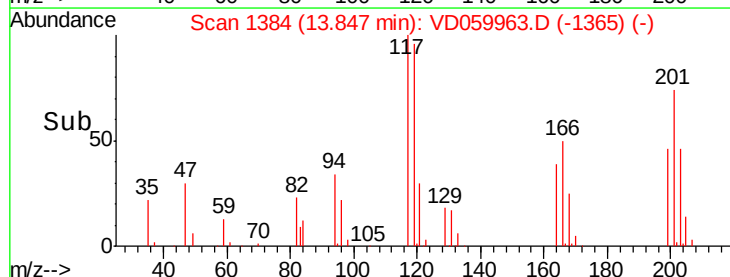
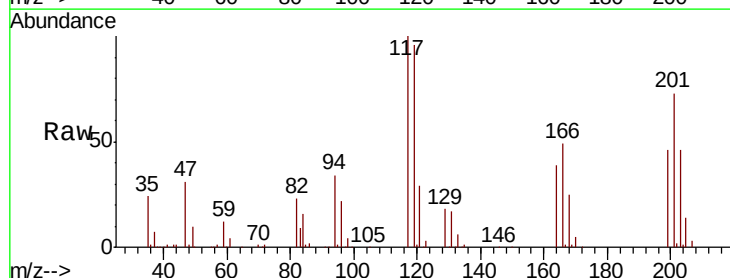
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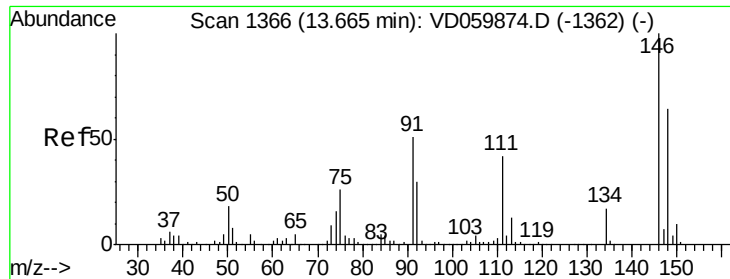
apatel
9/6/2018 2:16:48 PM



#90
Hexachloroethane
Concen: 17.78 ug/l
RT: 13.85 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	199297		
201	73.5		38.1	114.5





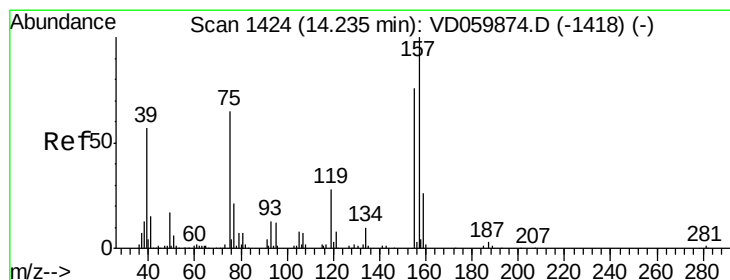
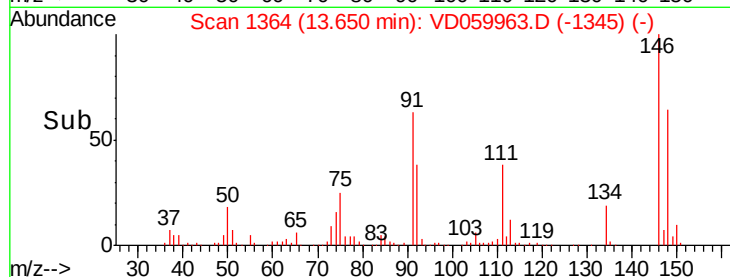
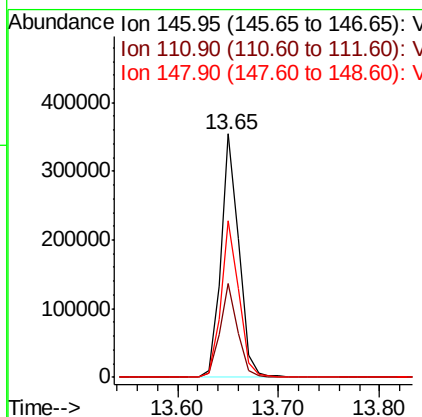
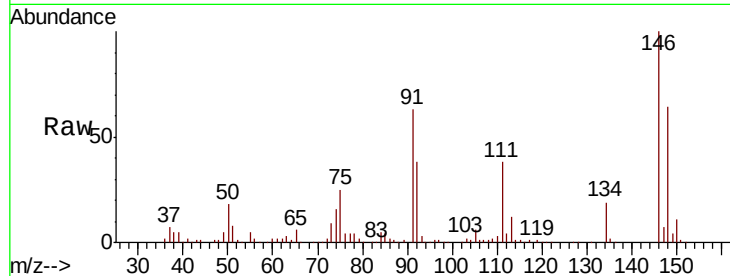
#91
 1,2-Dichlorobenzene
 Concen: 21.82 ug/l
 RT: 13.65 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	21.1	63.1
148	64.3	32.2	96.6

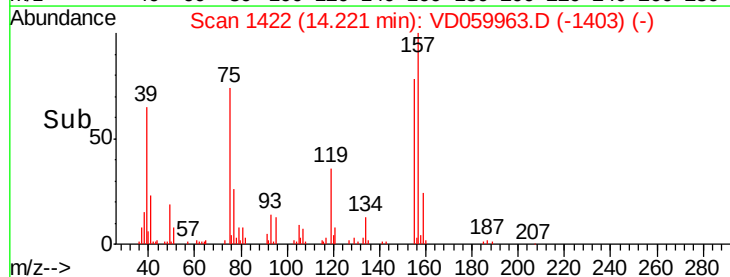
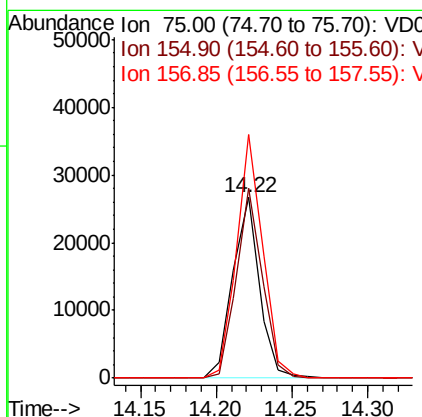
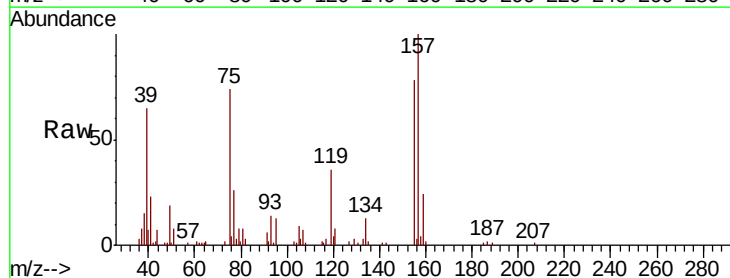
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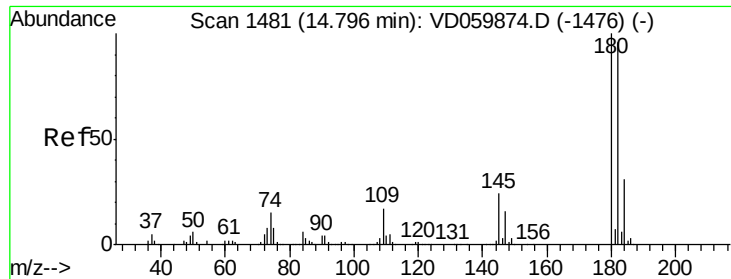
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.13 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.8	58.2	174.6
157	134.7	76.8	230.4





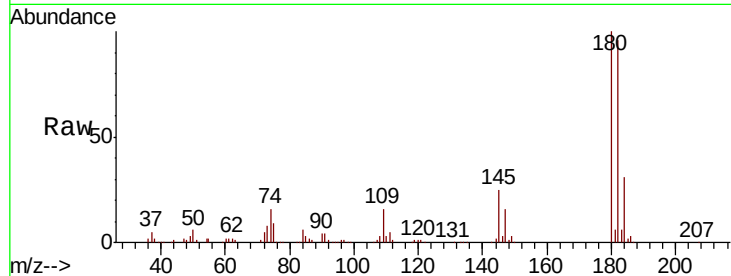
#93
 1,2,4-Trichlorobenzene
 Concen: 20.70 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0905SBSD01

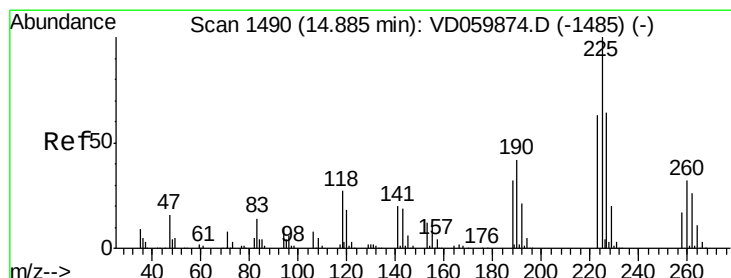
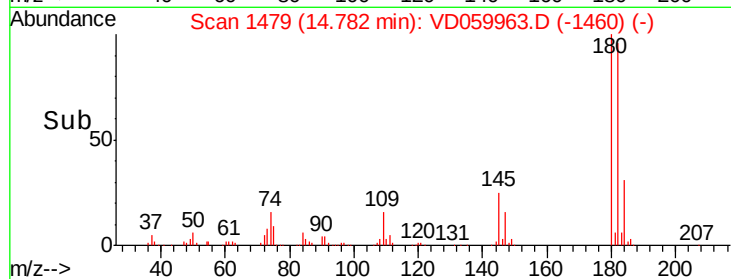
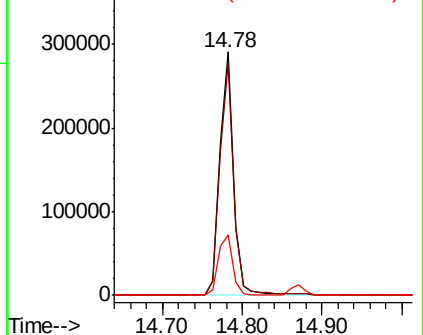
Tot Ion:	180	Resp:	359508
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.9	143.7
145	24.9	12.2	36.4

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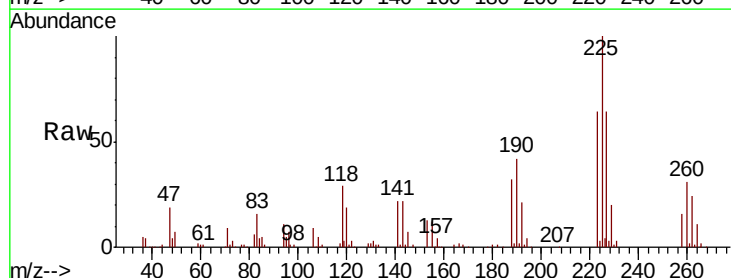


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

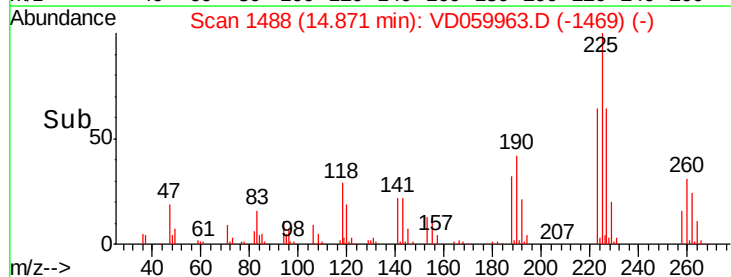
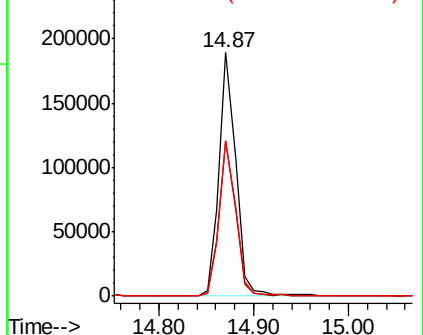


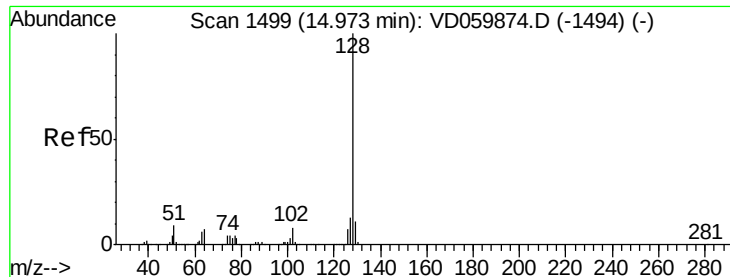
#94
 Hexachlorobutadiene
 Concen: 20.55 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion:	225	Resp:	233988
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.6	94.8
227	63.9	32.0	96.0



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





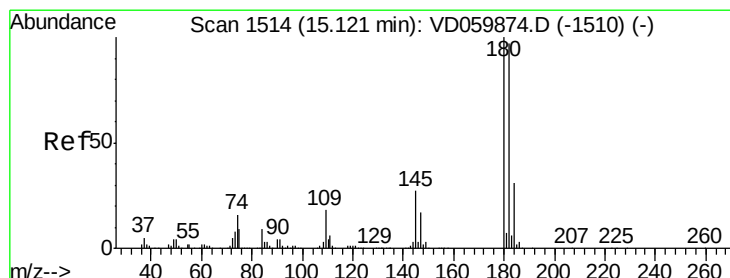
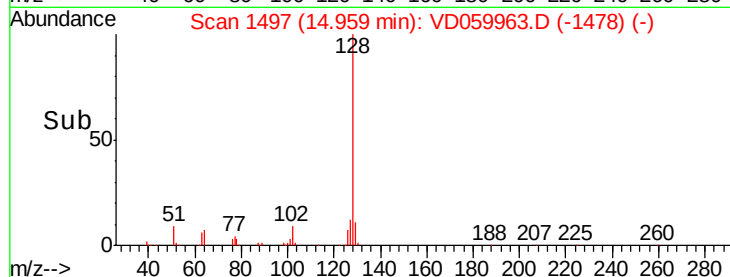
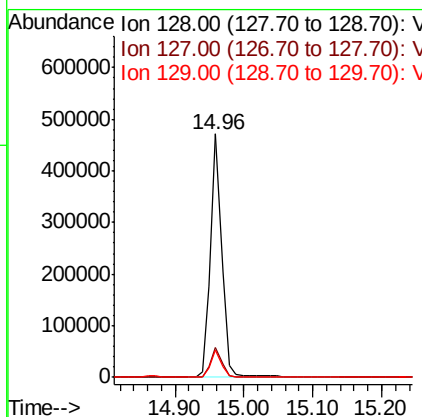
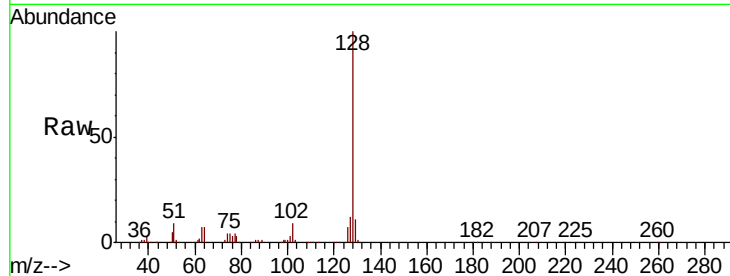
#95
Naphthalene
Concen: 20.49 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	543662		
127	12.3		10.0	15.0
129	11.0		8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 20.24 ug/l
RT: 15.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	300582		
182	96.6		48.6	145.8
145	26.9		13.6	40.8

