

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059993.D
 Acq On : 13 Sep 2018 11:48
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 9/14/2018 9:59:56 AM

Quant Time: Sep 13 15:43:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 15:36:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1669001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2263948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1905977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	992368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	74050	5.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.72%	
35) Dibromofluoromethane	6.30	113	96997	5.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.98%	
50) Toluene-d8	9.43	98	275024	5.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.28%	
62) 4-Bromofluorobenzene	12.42	95	107720	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	96880m	6.20	ug/l	
3) Chloromethane	1.75	50	87829	6.35	ug/l	97
4) Vinyl Chloride	1.84	62	67550	6.19	ug/l	95
5) Bromomethane	2.12	94	10113	5.30	ug/l	87
6) Chloroethane	2.23	64	16801	5.01	ug/l	90
7) Trichlorofluoromethane	2.49	101	73602	5.78	ug/l	98
8) Diethyl Ether	2.80	74	14199	5.06	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.06	101	44713	5.71	ug/l	94
10) Methyl Iodide	3.22	142	40017	5.53	ug/l	99
11) Tert butyl alcohol	3.94	59	29827	28.18	ug/l	98
12) 1,1-Dichloroethene	3.05	96	35171	5.78	ug/l	98
13) Acrolein	2.96	56	19073	39.75	ug/l	92
14) Allyl chloride	3.50	41	73770	5.44	ug/l	94
15) Acrylonitrile	4.05	53	106719	26.67	ug/l	98
16) Acetone	3.14	43	72878	28.82	ug/l	99
17) Carbon Disulfide	3.28	76	120253	6.24	ug/l	98
18) Methyl Acetate	3.53	43	30363	5.72	ug/l	95
19) Methyl tert-butyl Ether	4.09	73	169479	5.16	ug/l	99
20) Methylene Chloride	3.69	84	140594	6.82	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	93713	5.64	ug/l	95
22) Diisopropyl ether	4.83	45	350196	5.17	ug/l	94
23) Vinyl Acetate	4.78	43	970994	25.68	ug/l	99
24) 1,1-Dichloroethane	4.72	63	154626	5.24	ug/l	98
25) 2-Butanone	5.60	43	168735	23.11	ug/l	97
26) 2,2-Dichloropropane	5.56	77	130147	5.31	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	97161	5.40	ug/l	96
28) Bromochloromethane	5.90	49	75473	5.44	ug/l	100
29) Tetrahydrofuran	5.93	42	98909	27.41	ug/l	99
30) Chloroform	6.08	83	155921	5.19	ug/l	96
31) Cyclohexane	6.34	56	167815	6.09	ug/l	94
32) 1,1,1-Trichloroethane	6.27	97	127140	5.00	ug/l	97
36) 1,1-Dichloropropene	6.50	75	124327	5.92	ug/l	97
37) Ethyl Acetate	5.68	43	83632	5.26	ug/l	99
38) Carbon Tetrachloride	6.47	117	116557	5.53	ug/l	96

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 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	134601	5.88	ug/l	98
40) Benzene	6.77	78	305831	5.59	ug/l	97
41) Methacrylonitrile	5.91	41	45831m	5.68	ug/l	
42) 1,2-Dichloroethane	6.87	62	90297	5.25	ug/l	97
43) Isopropyl Acetate	8.33	43	108546	5.22	ug/l #	98
44) Trichloroethene	7.71	130	90795	5.60	ug/l	96
45) 1,2-Dichloropropane	8.08	63	78829	5.22	ug/l	99
46) Dibromomethane	8.19	93	50447	5.19	ug/l	95
47) Bromodichloromethane	8.47	83	109634	5.02	ug/l	98
48) Methyl methacrylate	8.22	41	58713	4.85	ug/l	96
49) 1,4-Dioxane	8.21	88	11234	102.36	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	359663	24.24	ug/l	99
52) Toluene	9.52	92	192787	5.51	ug/l	97
53) t-1,3-Dichloropropene	9.90	75	105304	5.23	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	122233	5.17	ug/l	96
55) 1,1,2-Trichloroethane	10.16	97	73155	5.80	ug/l	89
56) Ethyl methacrylate	10.02	69	69827	4.83	ug/l	96
57) 1,3-Dichloropropane	10.37	76	97475	5.33	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.90	63	186450	26.93	ug/l	97
59) 2-Hexanone	10.48	43	254497	23.26	ug/l	99
60) Dibromochloromethane	10.63	129	76652	4.84	ug/l	98
61) 1,2-Dibromoethane	10.74	107	66787	5.24	ug/l	100
64) Tetrachloroethene	10.23	164	86017	5.62	ug/l	97
65) Chlorobenzene	11.30	112	217644	5.60	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.40	131	73780	5.27	ug/l	99
67) Ethyl Benzene	11.41	91	369864	5.70	ug/l	95
68) m/p-Xylenes	11.55	106	267710	11.21	ug/l	86
69) o-Xylene	11.92	106	128441	5.52	ug/l	99
70) Styrene	11.94	104	217358	5.43	ug/l	96
71) Bromoform	12.10	173	55669	4.60	ug/l	99
73) Isopropylbenzene	12.27	105	353660	5.48	ug/l	98
74) N-amyl acetate	12.12	43	132310	4.80	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	76107	5.13	ug/l	93
76) 1,2,3-Trichloropropane	12.58	75	81767	5.29	ug/l	100
77) Bromobenzene	12.53	156	97419	5.45	ug/l	91
78) n-propylbenzene	12.62	91	460532	5.66	ug/l	95
79) 2-Chlorotoluene	12.69	91	257374	5.60	ug/l	93
80) 1,3,5-Trimethylbenzene	12.78	105	286270	5.60	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	22796	4.78	ug/l	99
82) 4-Chlorotoluene	12.80	91	296875	5.70	ug/l	100
83) tert-Butylbenzene	13.04	119	319229	5.50	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	301672	5.69	ug/l	100
85) sec-Butylbenzene	13.21	105	375156	5.51	ug/l	97
86) p-Isopropyltoluene	13.33	119	303852	5.44	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	179988	5.64	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	180849	5.66	ug/l	98
89) n-Butylbenzene	13.64	91	328010	5.88	ug/l	96
90) Hexachloroethane	13.85	117	64800	4.38	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	160802	5.98	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	11294	5.09	ug/l	96

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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

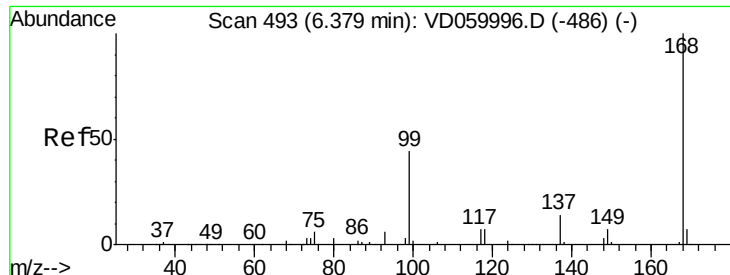
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Sep 13 15:36:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	125961	5.45	ug/l	98
94) Hexachlorobutadiene	14.87	225	79671	5.24	ug/l	99
95) Naphthalene	14.96	128	182652	5.19	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	107402	5.42	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 1669001

Ion Ratio Lower Upper

168 100

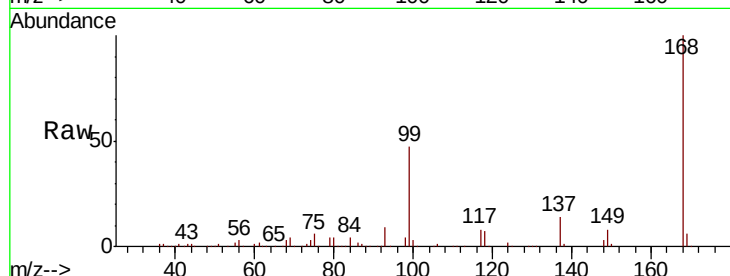
99 47.5 38.5 57.7

Manual Integrations

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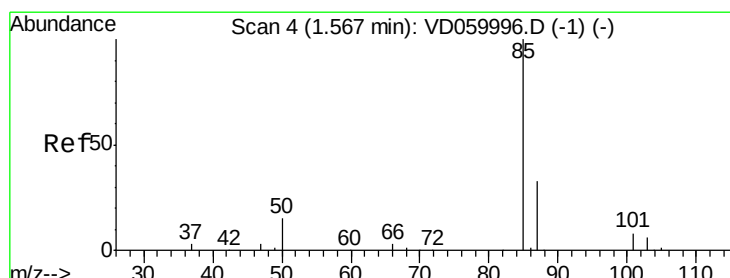
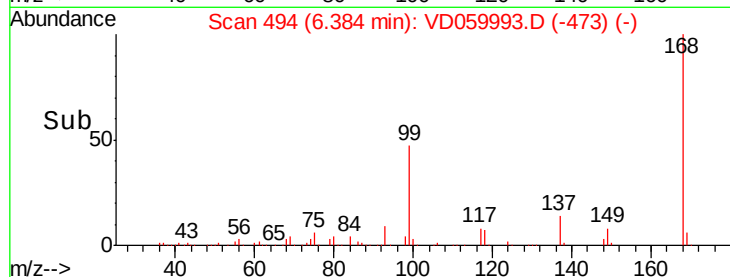
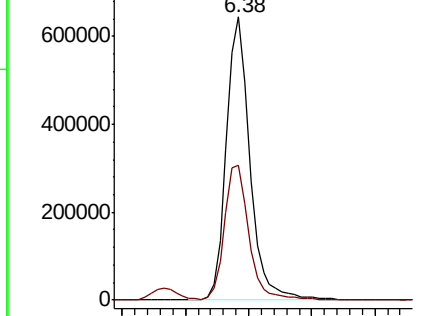
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 6.20 ug/l m

RT: 1.57 min Scan# 5

Delta R.T. 0.00 min

Lab File: VD059993.D

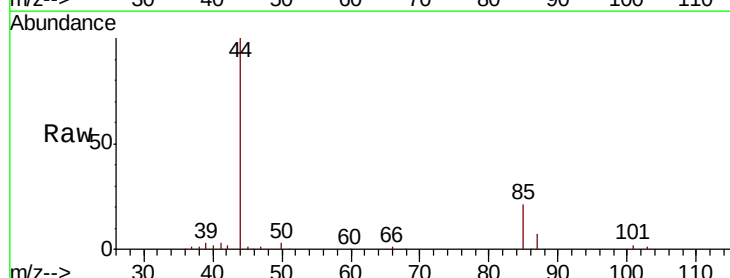
Acq: 13 Sep 2018 11:48

Tgt Ion: 85 Resp: 96880

Ion Ratio Lower Upper

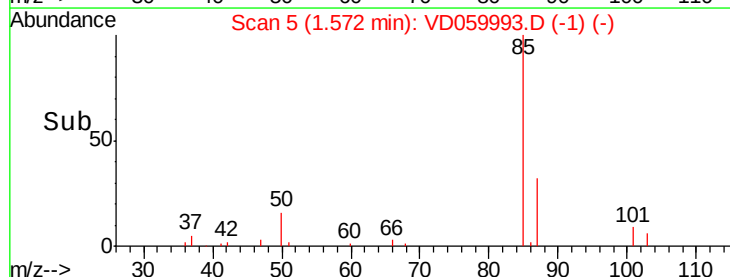
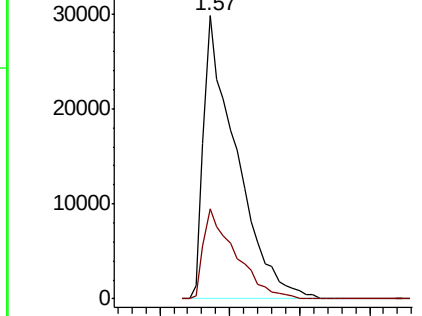
85 100

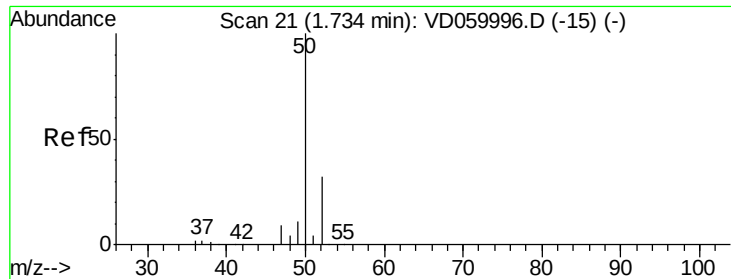
87 32.0 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 6.35 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 87829

Ion Ratio Lower Upper

50 100

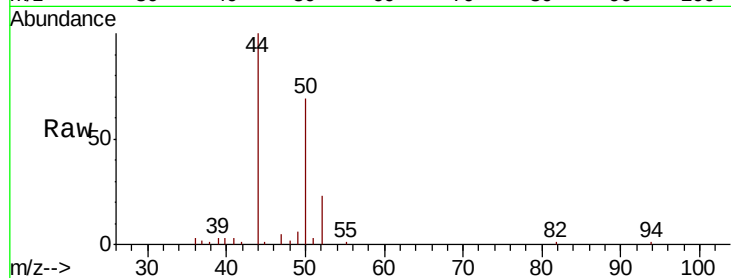
52 33.3 25.4 38.2

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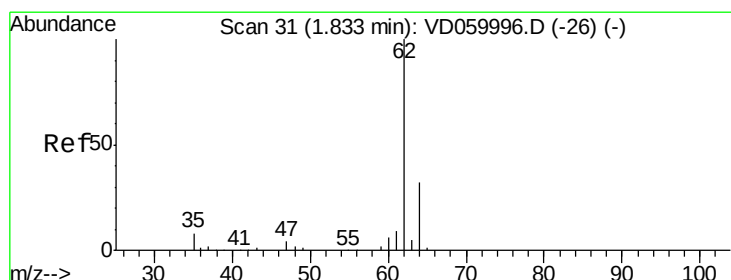
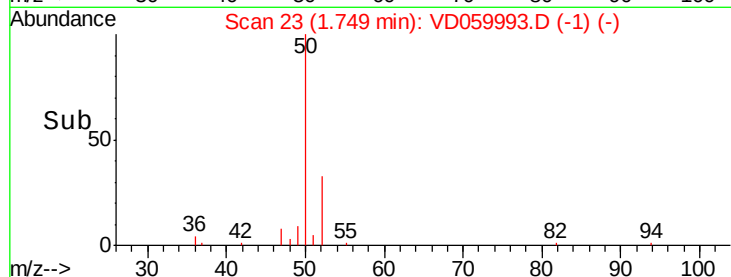
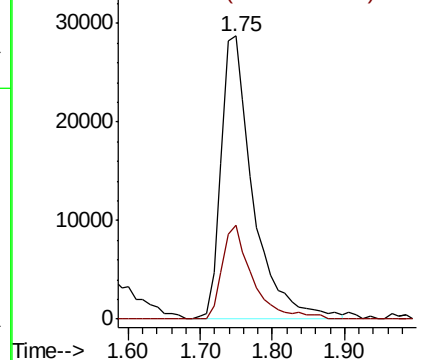
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 6.19 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD059993.D

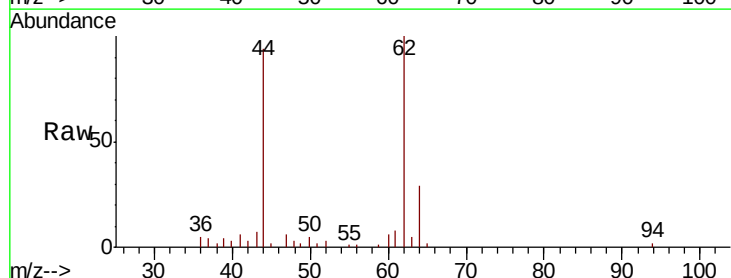
Acq: 13 Sep 2018 11:48

Tgt Ion: 62 Resp: 67550

Ion Ratio Lower Upper

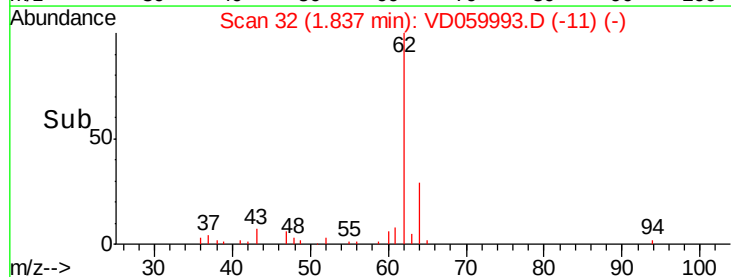
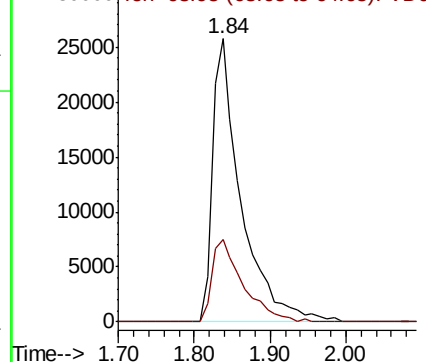
62 100

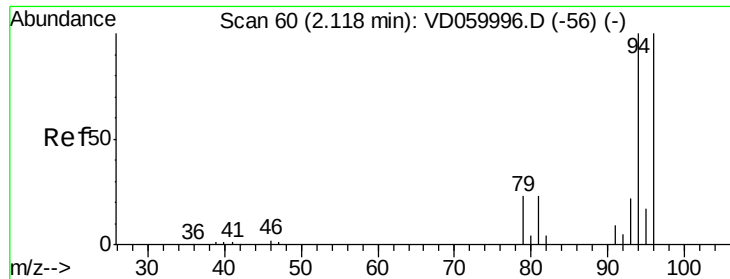
64 29.2 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 5.30 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10113

Ion Ratio Lower Upper

94 100

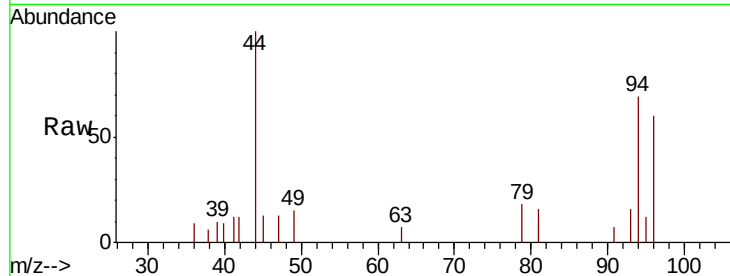
96 87.2 79.8 119.8

Manual Integrations

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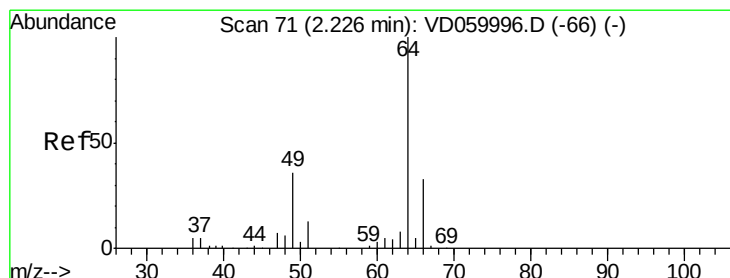
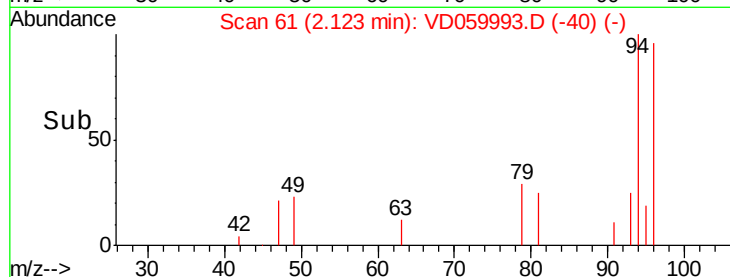
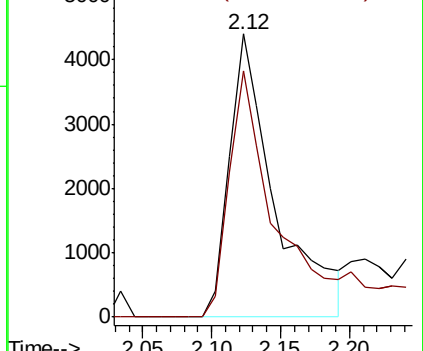
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.01 ug/l

RT: 2.23 min Scan# 72

Delta R.T. 0.00 min

Lab File: VD059993.D

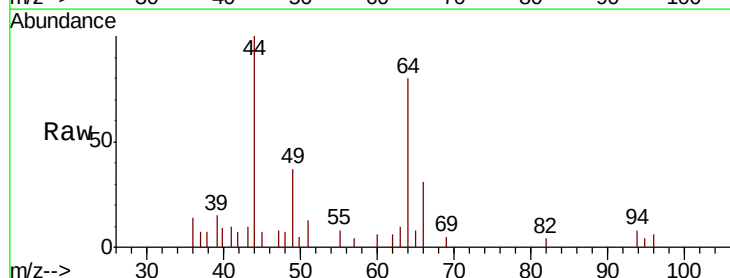
Acq: 13 Sep 2018 11:48

Tgt Ion: 64 Resp: 16801

Ion Ratio Lower Upper

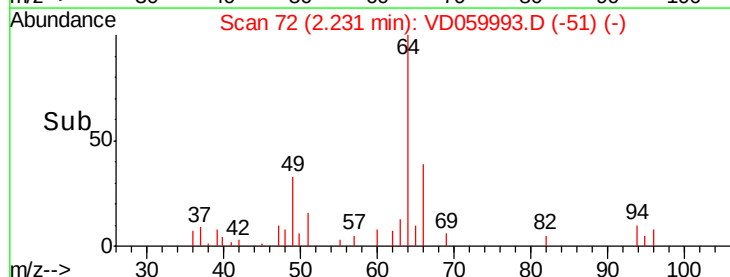
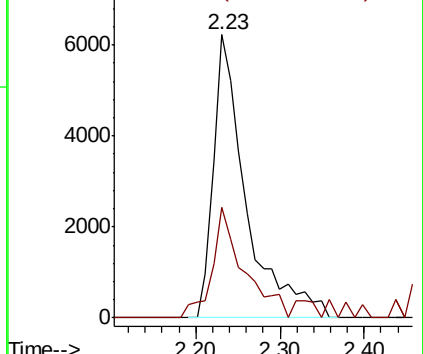
64 100

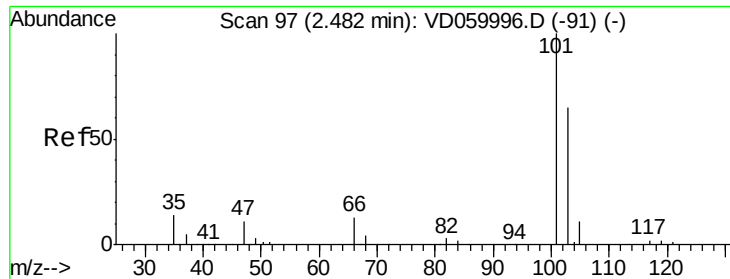
66 38.9 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 5.78 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 73602

Ion Ratio Lower Upper

101 100

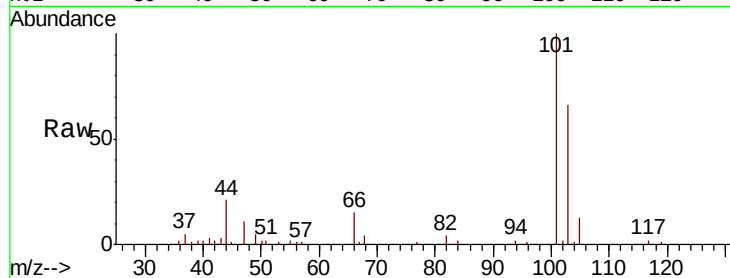
103 66.1 51.6 77.4

Manual Integrations

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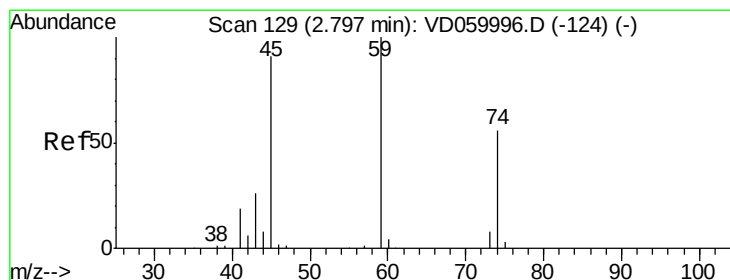
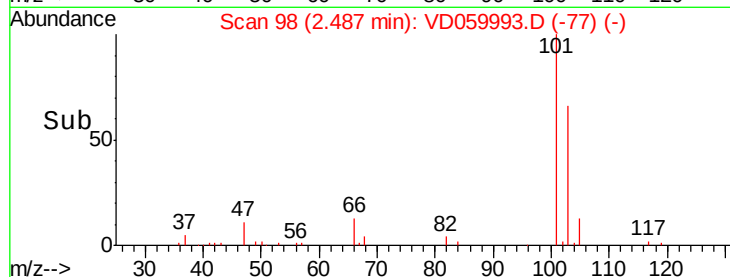
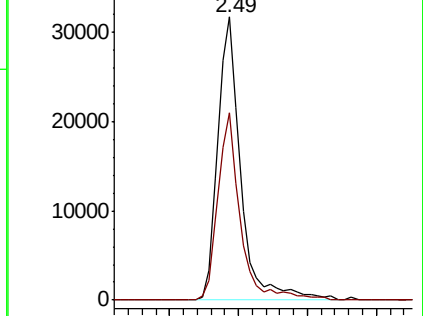
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 5.06 ug/l

RT: 2.80 min Scan# 130

Delta R.T. 0.00 min

Lab File: VD059993.D

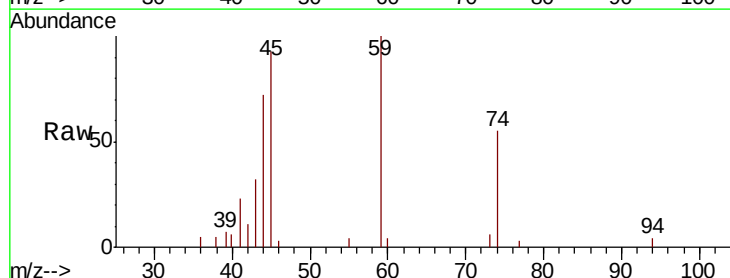
Acq: 13 Sep 2018 11:48

Tgt Ion: 74 Resp: 14199

Ion Ratio Lower Upper

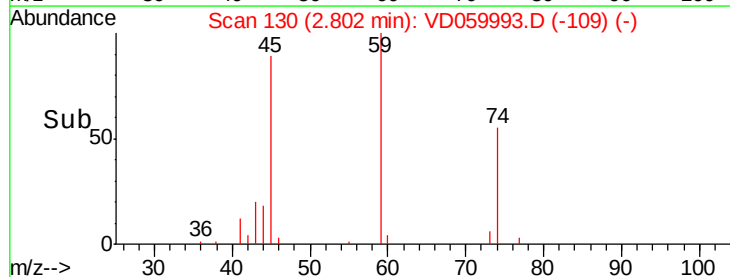
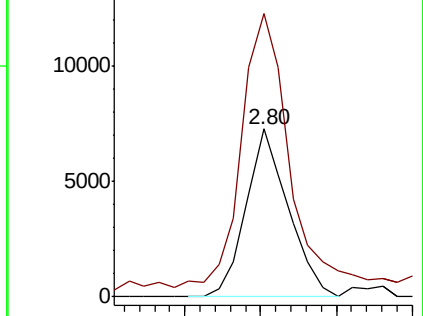
74 100

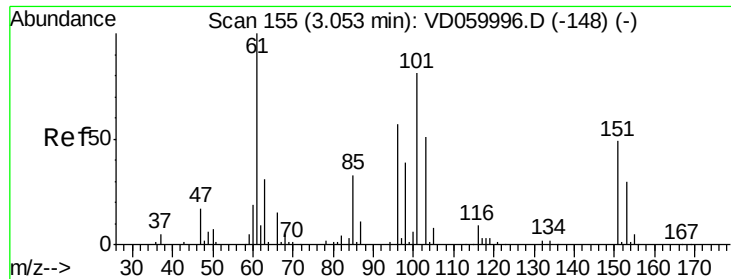
45 168.5 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.71 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

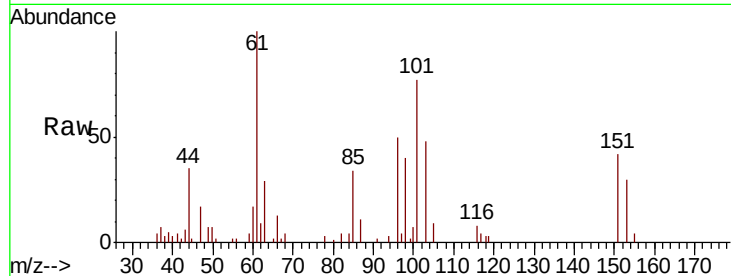
ClientSampleId :

VSTDIC005

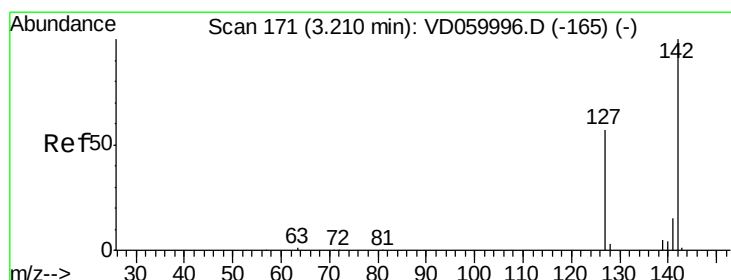
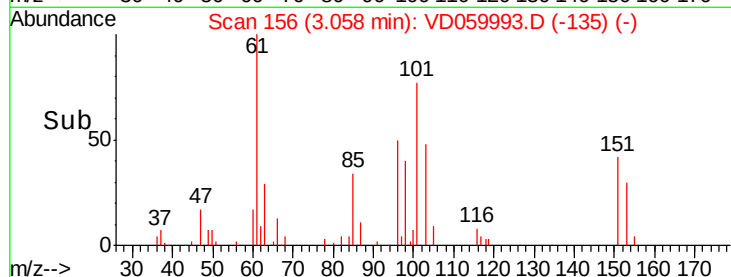
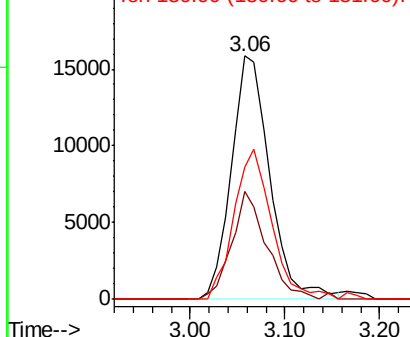
Tot Ion:	101	Resp:	44713
Ion Ratio	Lower	Upper	
101	100		
85	44.2	33.1	49.7
151	54.5	48.2	72.4

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



#10

Methyl Iodide

Concen: 5.53 ug/l

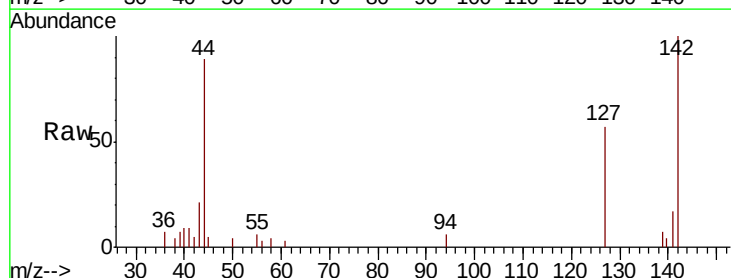
RT: 3.22 min Scan# 172

Delta R.T. 0.00 min

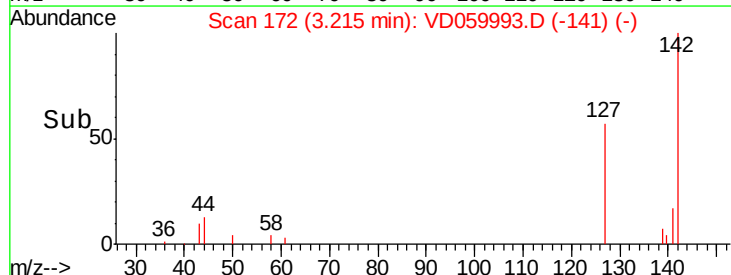
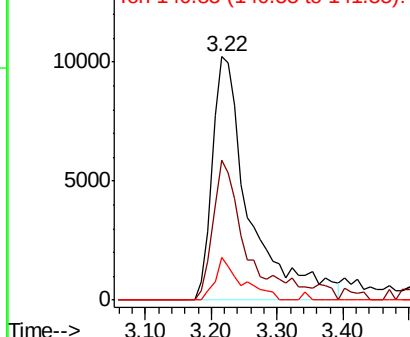
Lab File: VD059993.D

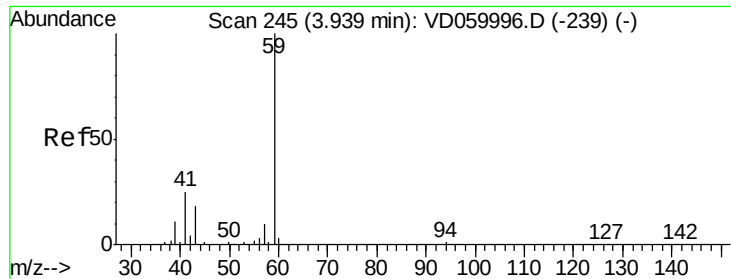
Acq: 13 Sep 2018 11:48

Tgt Ion:	142	Resp:	40017
Ion Ratio	Lower	Upper	
142	100		
127	57.2	45.8	68.8
141	17.3	12.2	18.4



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





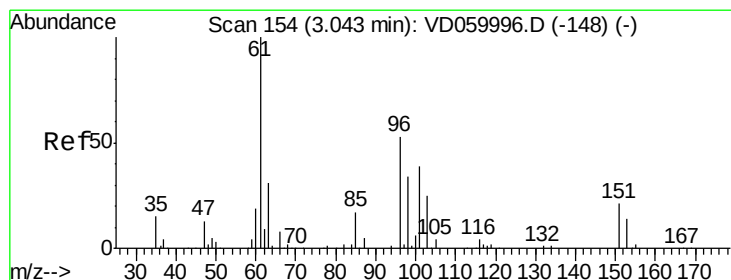
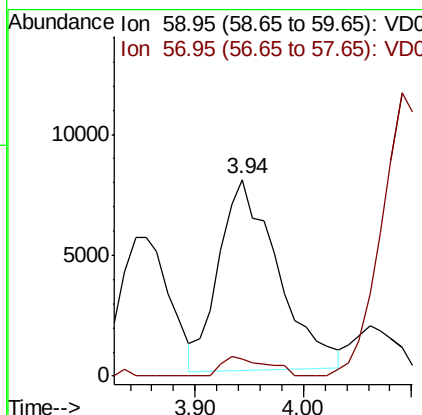
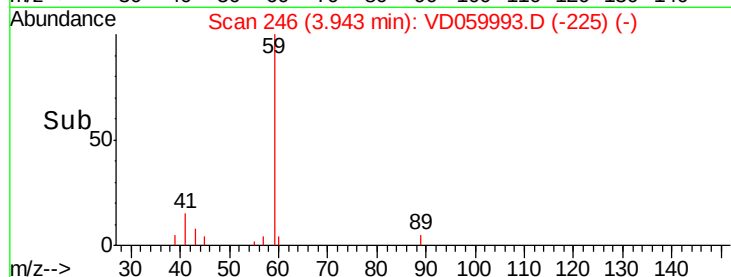
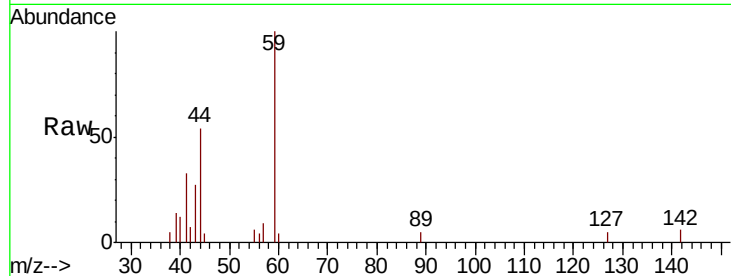
#11
Tert butyl alcohol
Concen: 28.18 ug/l
RT: 3.94 min Scan# 246
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 29827
Ion Ratio Lower Upper
59 100
57 8.6 7.4 11.2

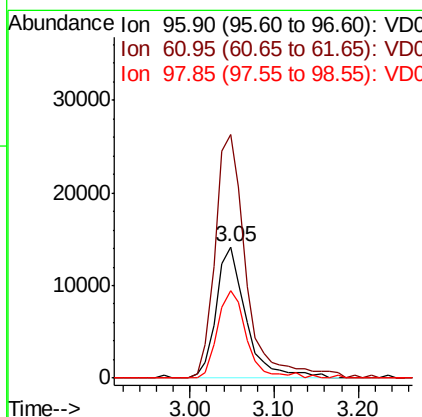
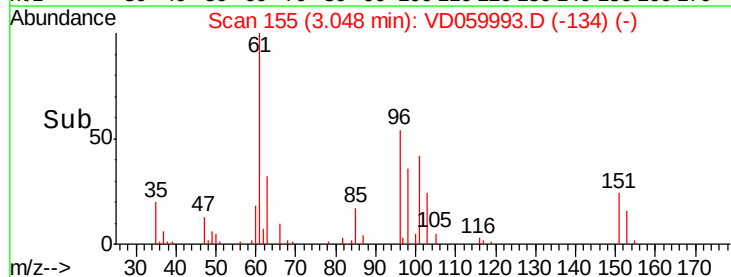
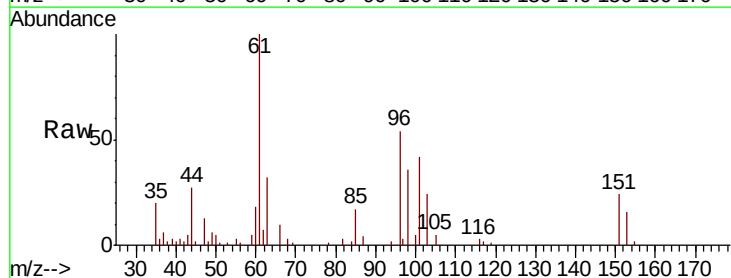
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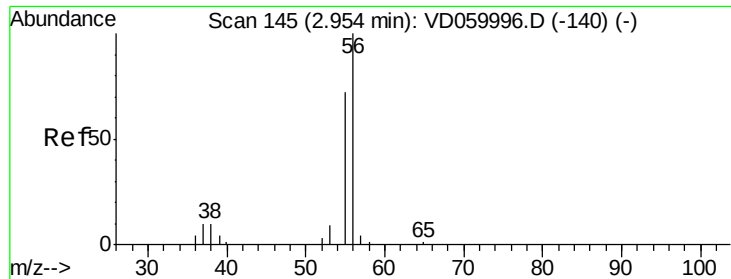
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#12
1,1-Dichloroethene
Concen: 5.78 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion: 96 Resp: 35171
Ion Ratio Lower Upper
96 100
61 185.8 149.8 224.6
98 66.5 50.2 75.4





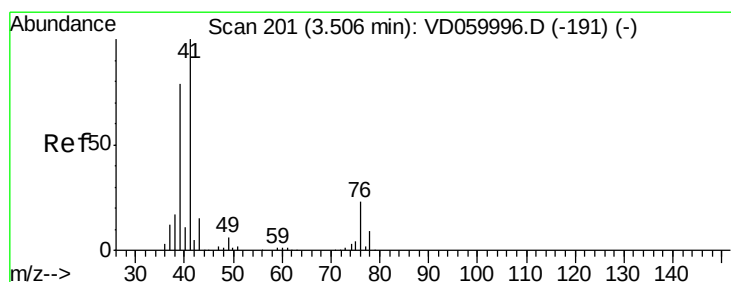
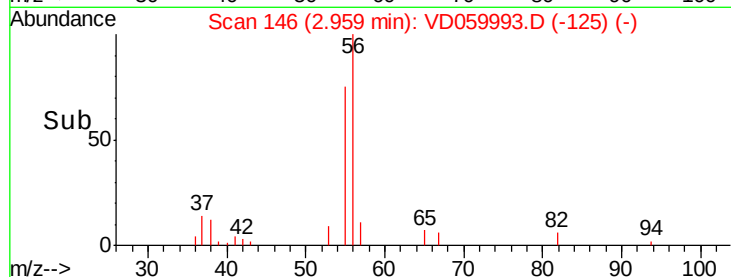
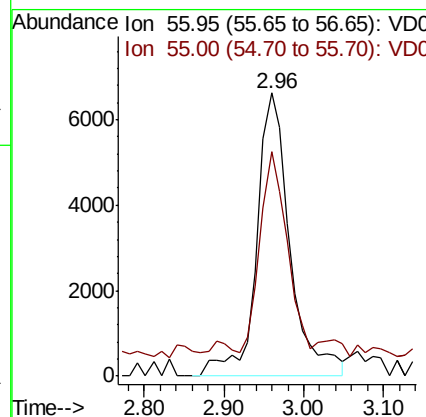
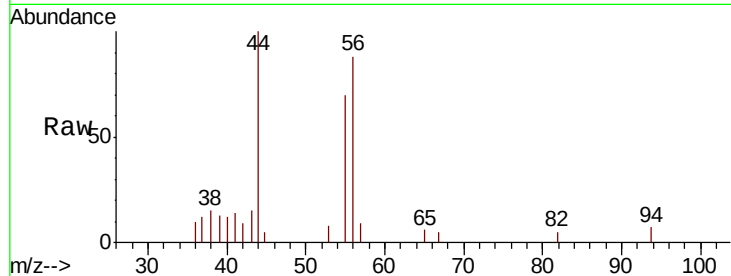
#13
Acrolein
Concen: 39.75 ug/l
RT: 2.96 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	56	Resp	19073
Ion Ratio	100	Lower	Upper
55	79.2	58.3	87.5

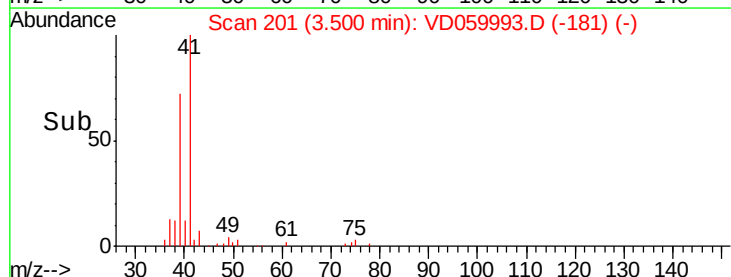
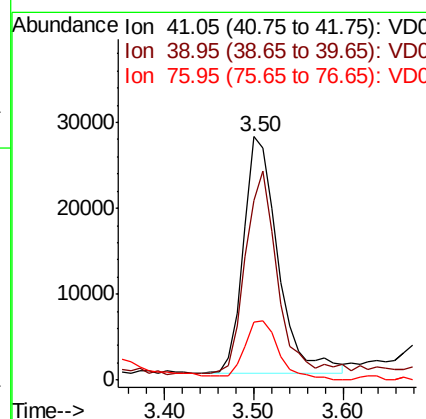
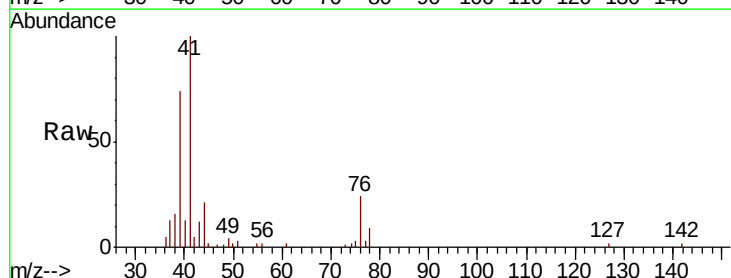
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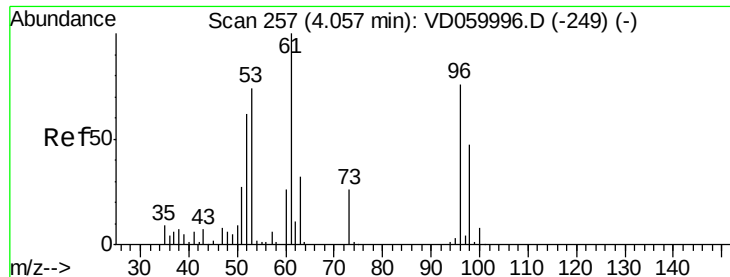
apatel
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#14
Allyl chloride
Concen: 5.44 ug/l
RT: 3.50 min Scan# 201
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion	41	Resp	73770
Ion Ratio	100	Lower	Upper
39	74.0	63.6	95.4
76	23.9	21.1	31.7





#15

Acrylonitrile

Concen: 26.67 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

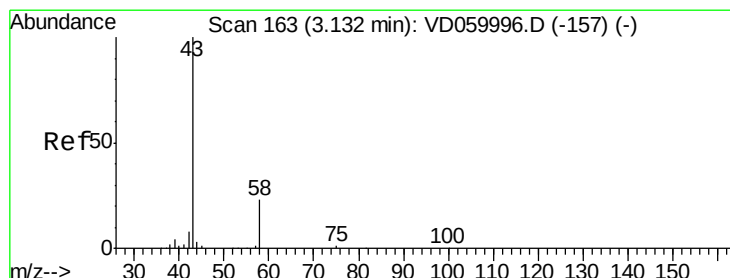
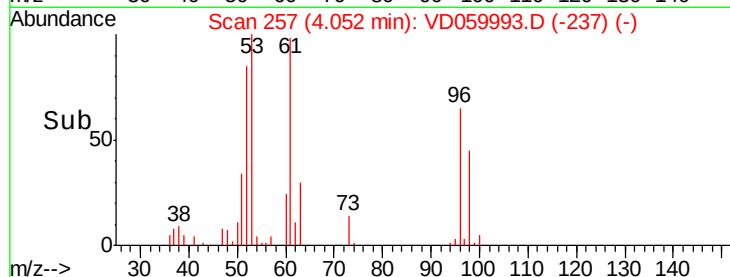
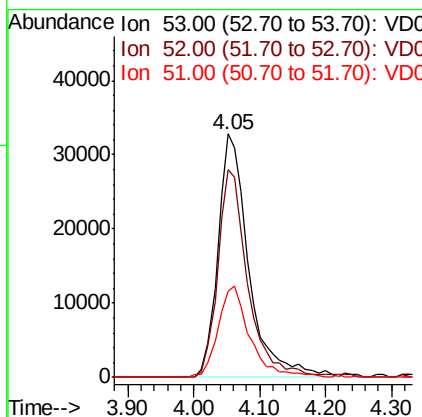
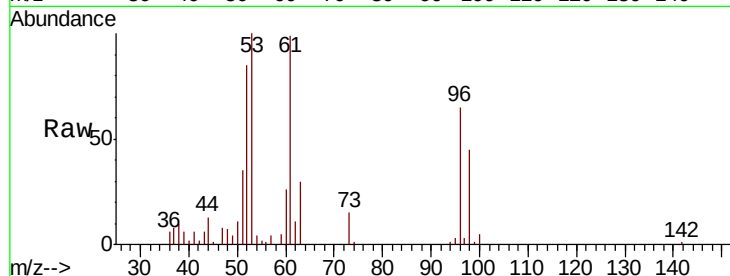
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	106719
Ion	Ratio	Lower	Upper
53	100		
52	85.2	66.7	100.1
51	35.3	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 28.82 ug/l

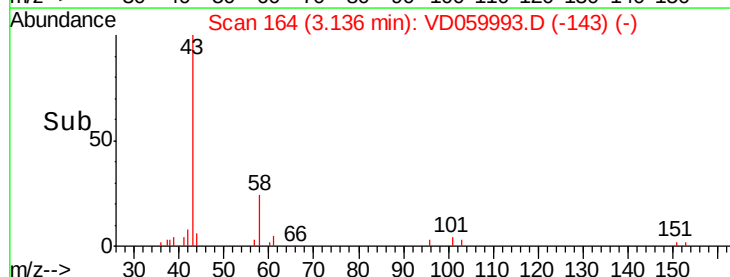
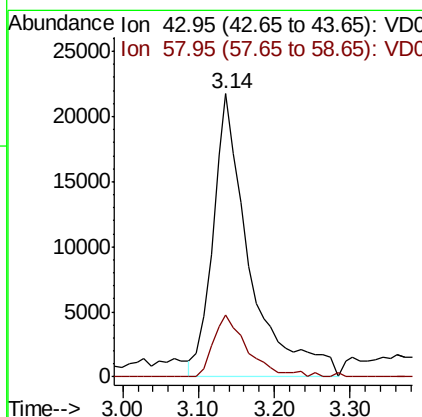
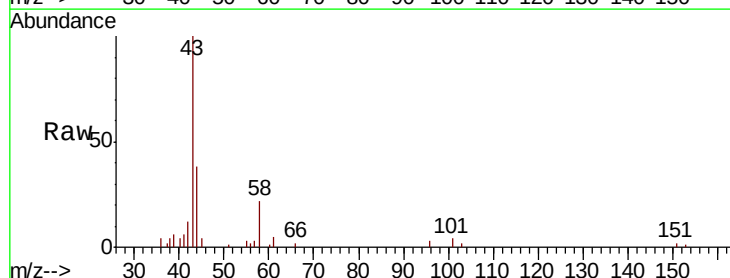
RT: 3.14 min Scan# 164

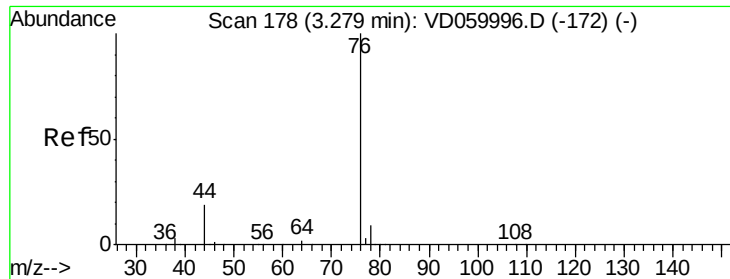
Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Tgt Ion:	43	Resp:	72878
Ion	Ratio	Lower	Upper
43	100		
58	21.9	18.1	27.1





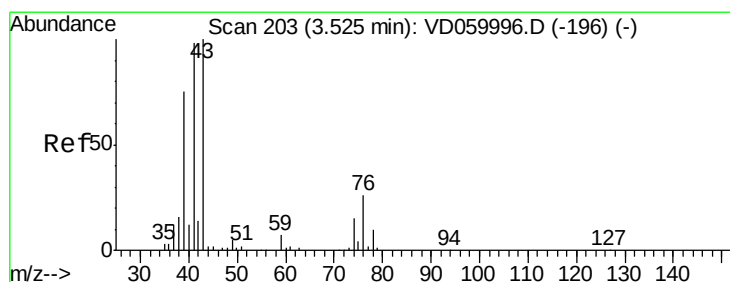
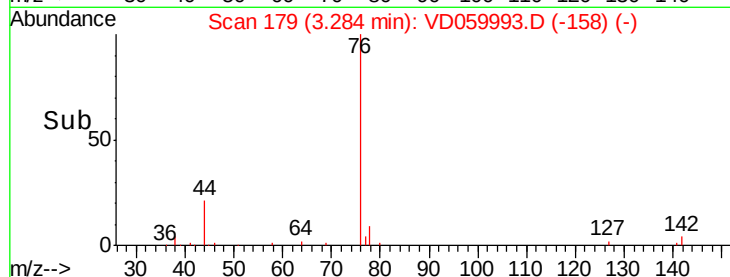
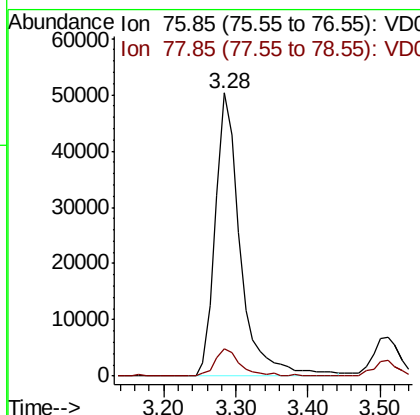
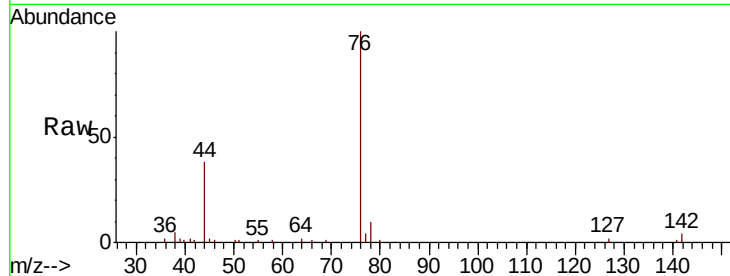
#17
Carbon Disulfide
Concen: 6.24 ug/l
RT: 3.28 min Scan# 179
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 120253
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.4

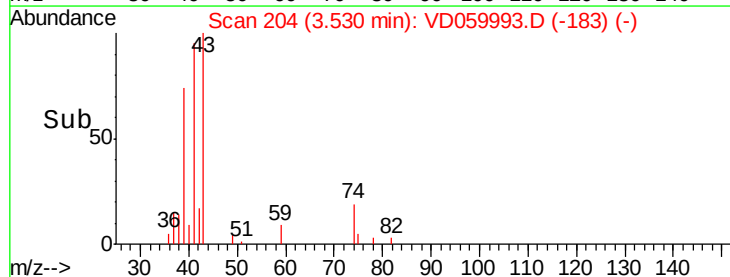
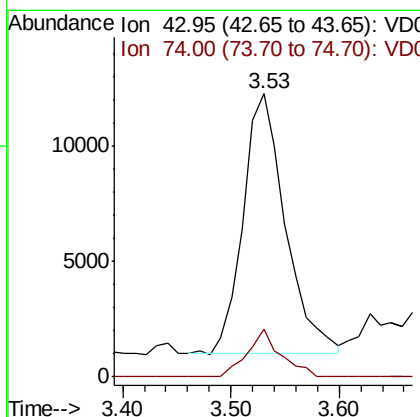
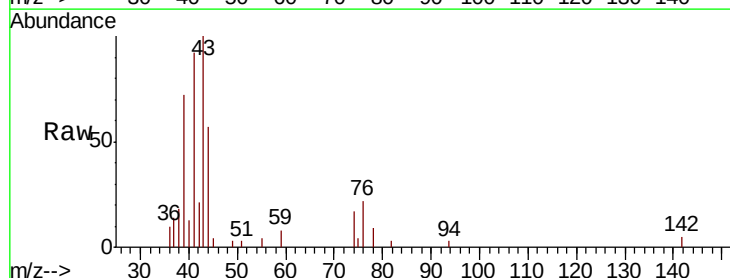
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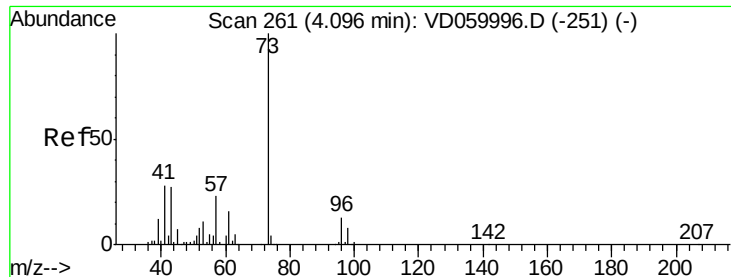
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#18
Methyl Acetate
Concen: 5.72 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion: 43 Resp: 30363
Ion Ratio Lower Upper
43 100
74 16.9 11.8 17.8





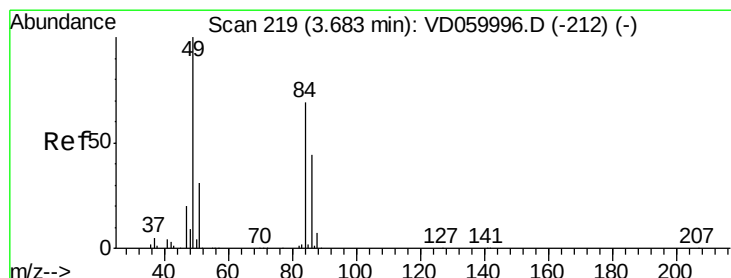
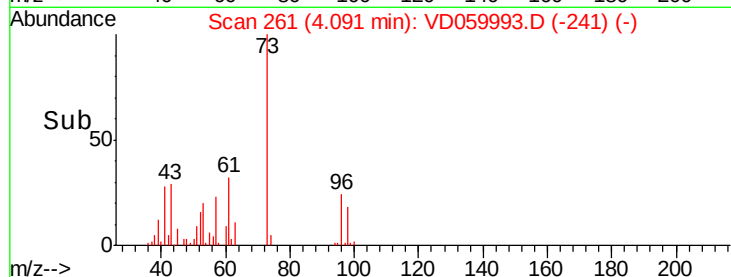
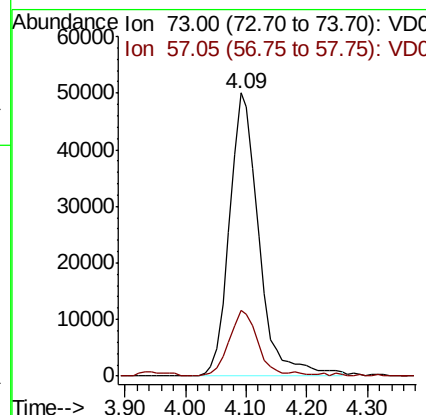
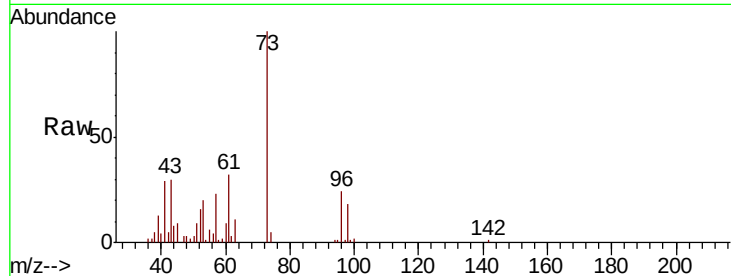
#19
Methyl tert-butyl Ether
Concen: 5.16 ug/l
RT: 4.09 min Scan# 261
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.4	27.6

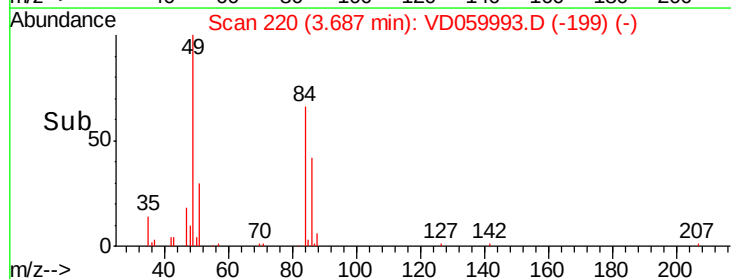
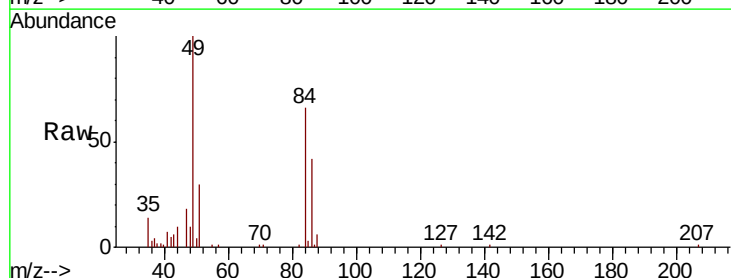
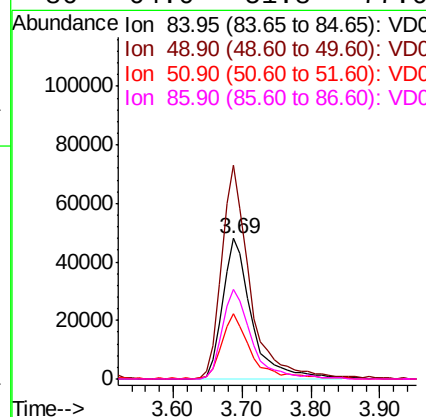
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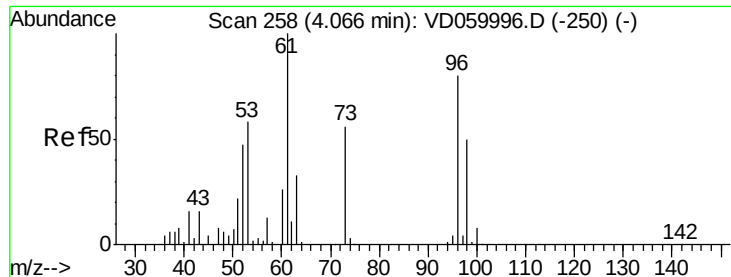
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#20
Methylene Chloride
Concen: 6.82 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.7	116.6	175.0
51	46.2	35.9	53.9
86	64.0	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 5.64 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 93713

Ion Ratio Lower Upper

96 100

61 131.7 100.1 150.1

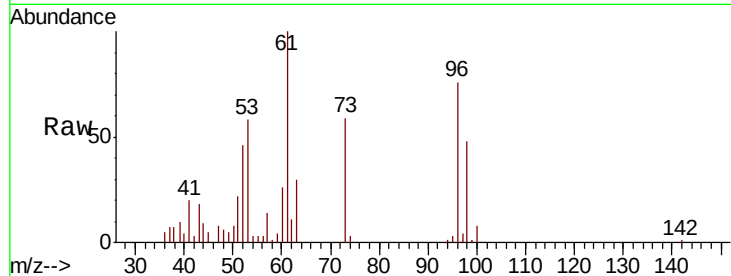
98 63.8 49.5 74.3

Manual Integrations

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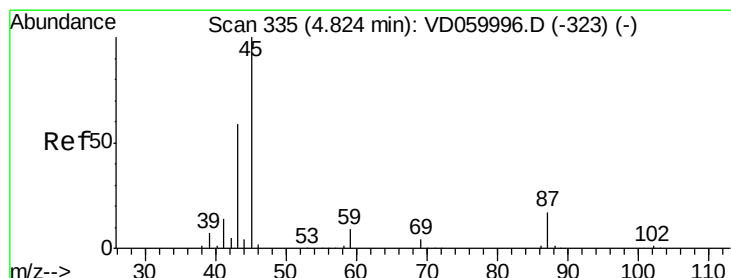
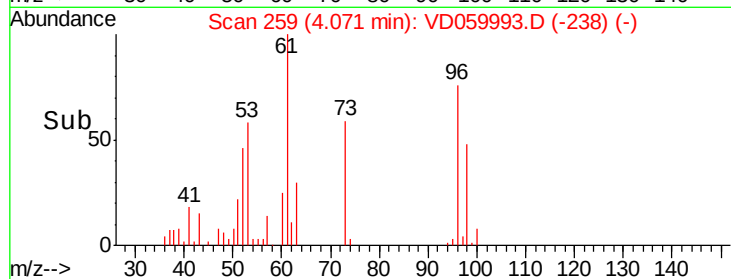
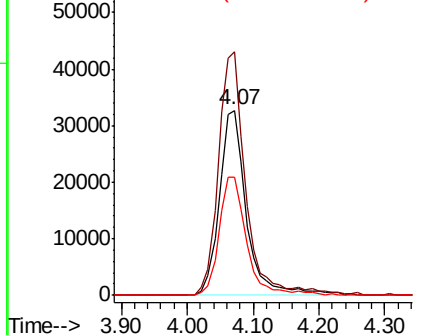
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 5.17 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Tgt Ion: 45 Resp: 350196

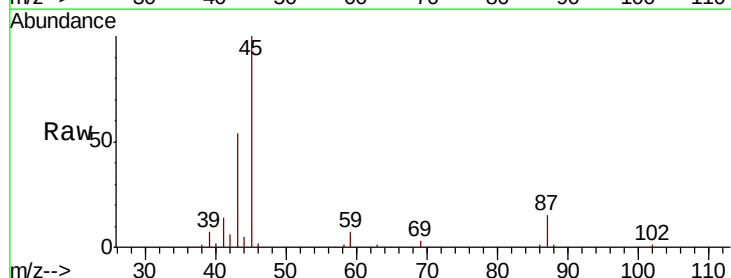
Ion Ratio Lower Upper

45 100

43 54.1 47.1 70.7

87 15.1 14.2 21.2

59 7.3 7.0 10.6

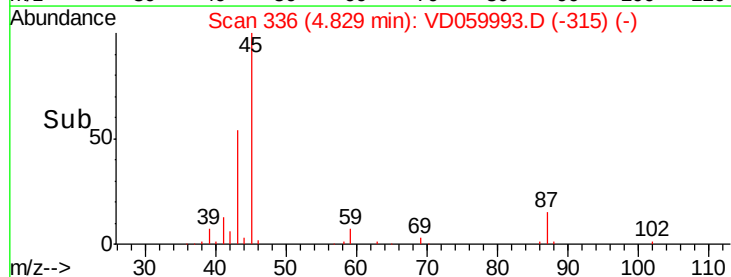
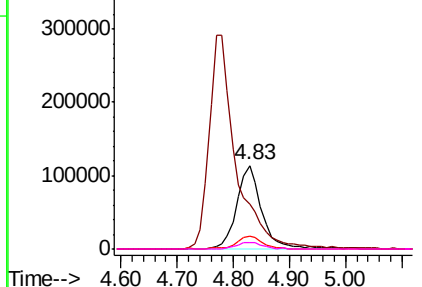


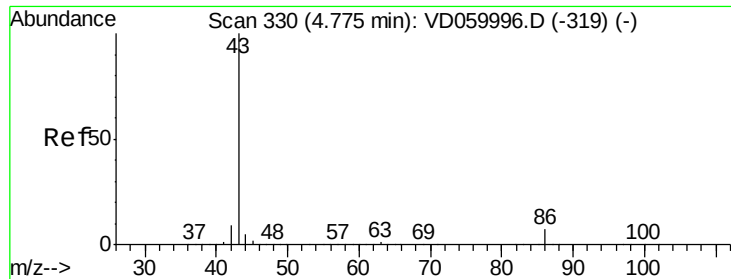
Abundance Ion 45.05 (44.75 to 45.75): VDC

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





#23

Vinyl Acetate

Concen: 25.68 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 970994

Ion Ratio Lower Upper

43 100

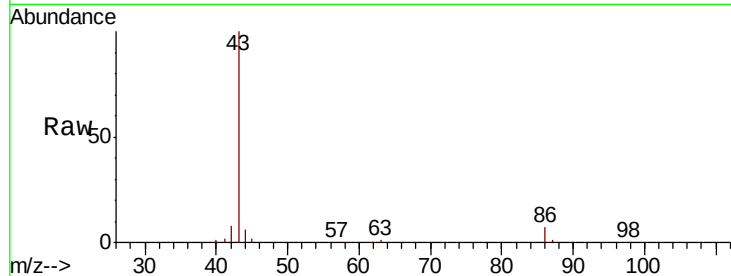
86 6.6 5.5 8.3

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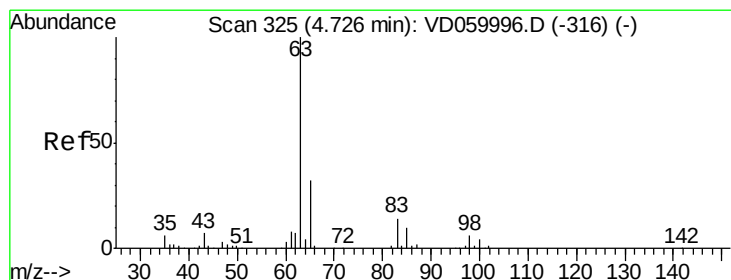
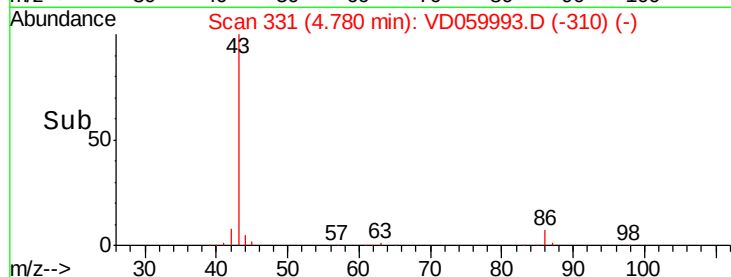
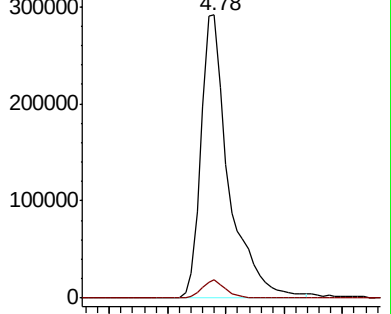
apatel

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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: 5.24 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.01 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

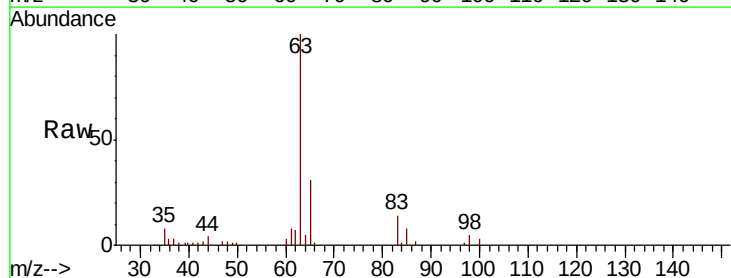
Tgt Ion: 63 Resp: 154626

Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.6

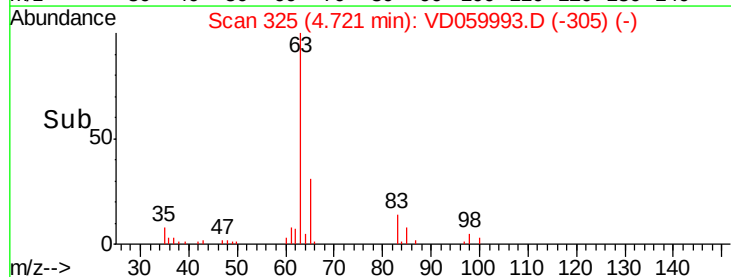
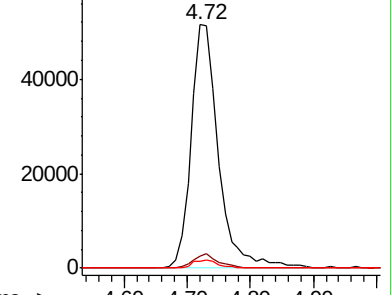
100 2.7 1.8 5.4

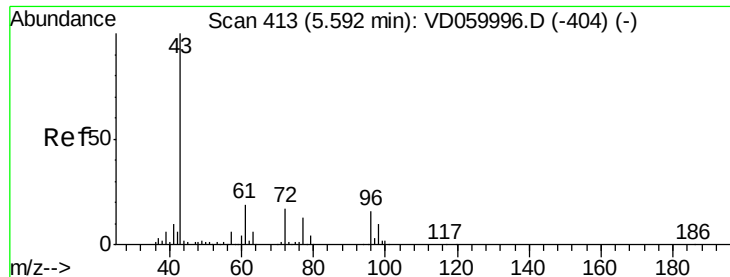


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 23.11 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 168735

Ion Ratio Lower Upper

43 100

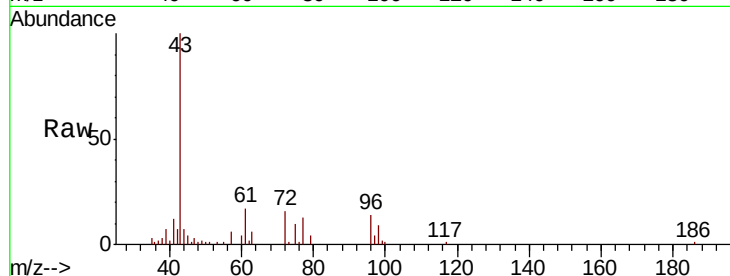
72 15.7 13.6 20.4

Manual Integrations

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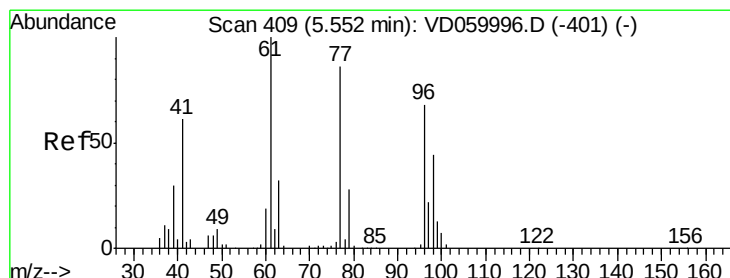
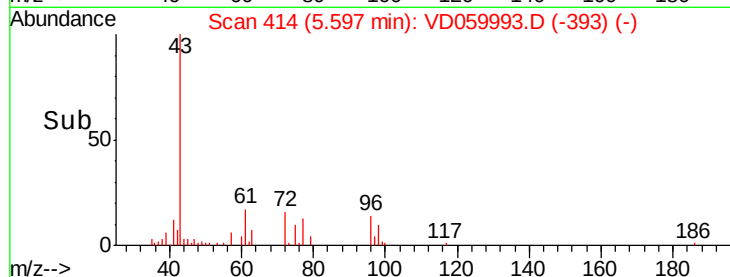
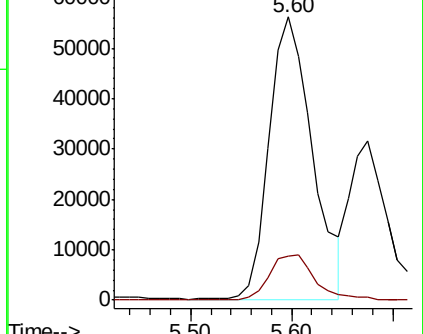
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.31 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD059993.D

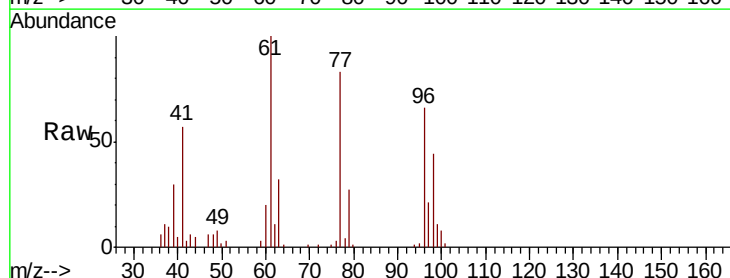
Acq: 13 Sep 2018 11:48

Tgt Ion: 77 Resp: 130147

Ion Ratio Lower Upper

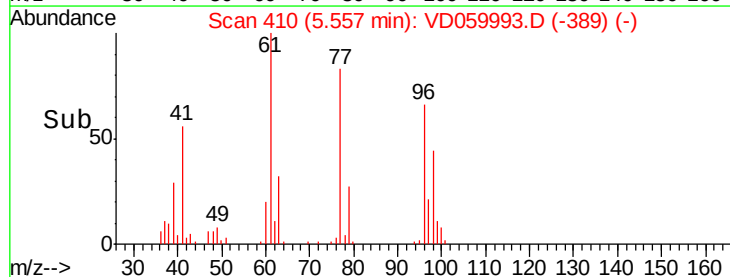
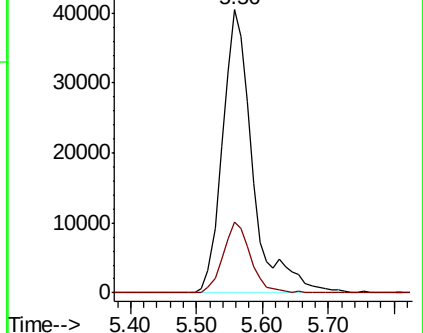
77 100

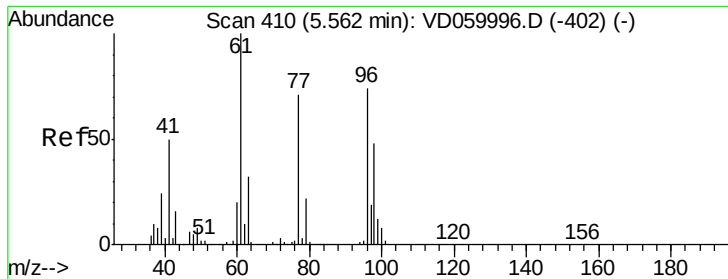
97 25.2 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 5.40 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

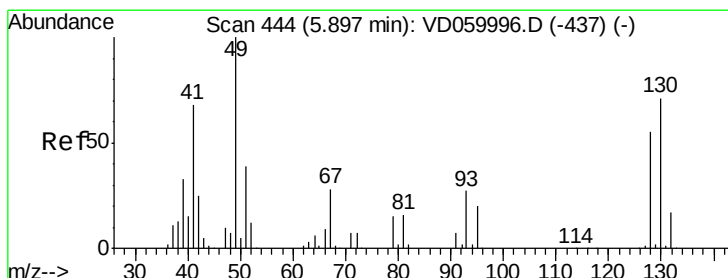
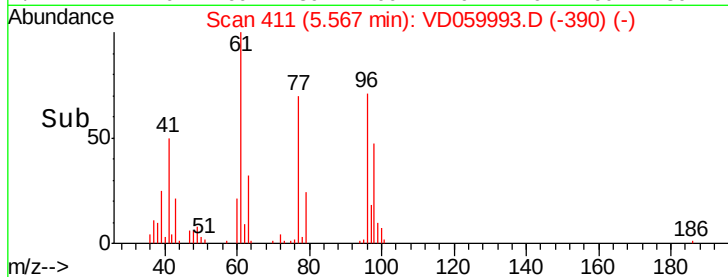
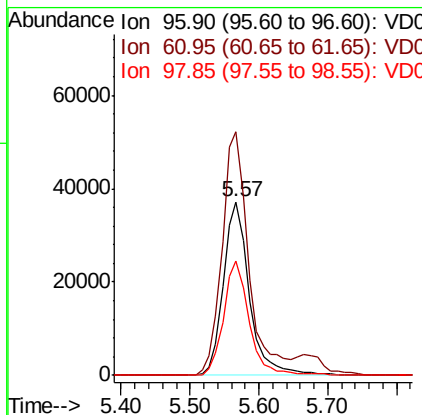
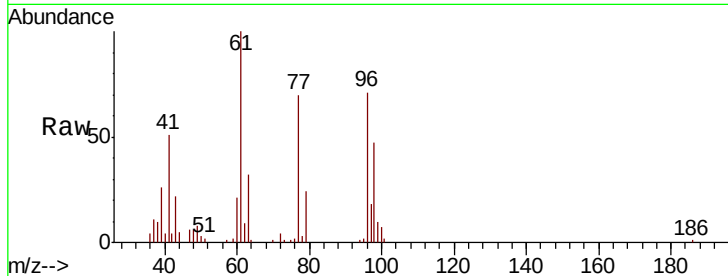
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	97161
Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	269.6
98	66.0	0.0	128.4

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#28

Bromochloromethane

Concen: 5.44 ug/l

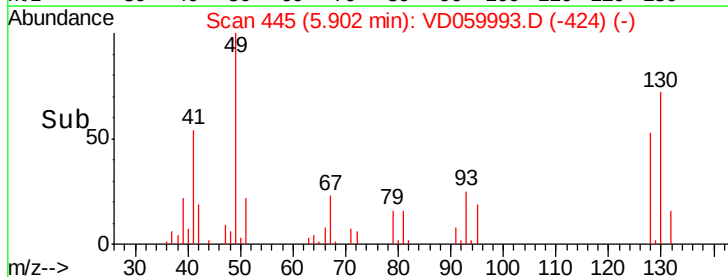
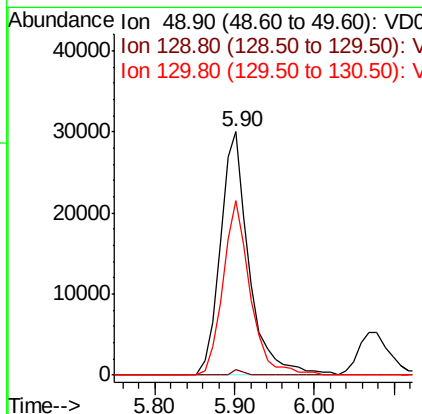
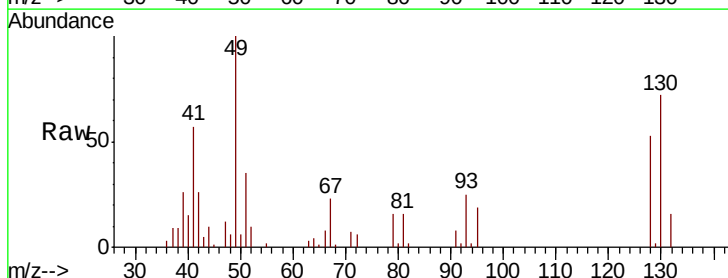
RT: 5.90 min Scan# 445

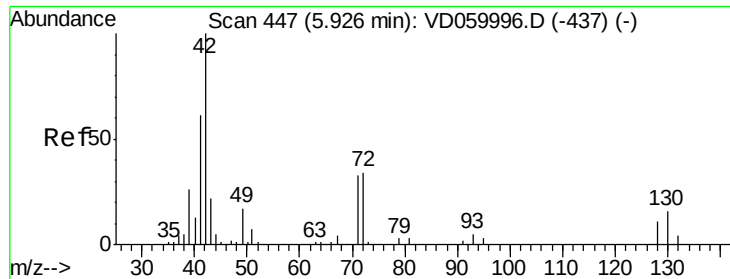
Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Tgt Ion:	49	Resp:	75473
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	71.6	57.1	85.7





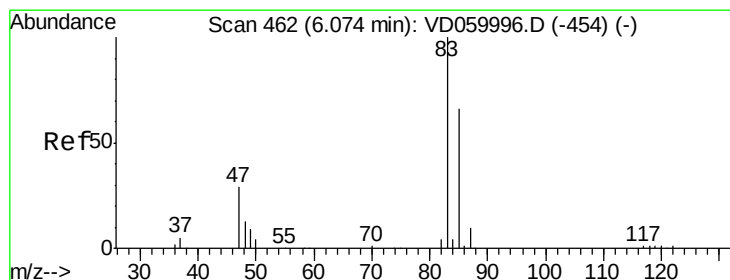
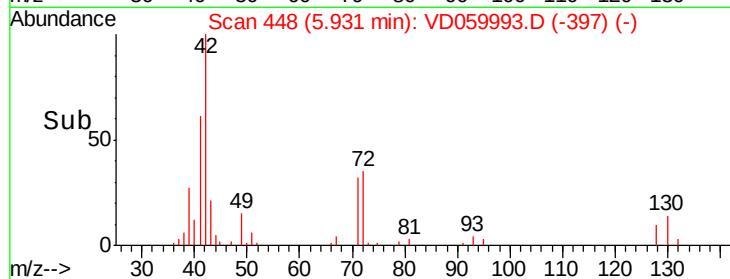
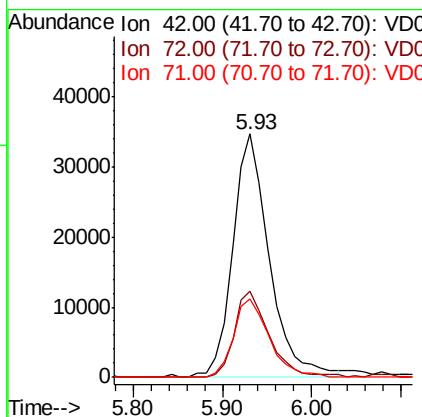
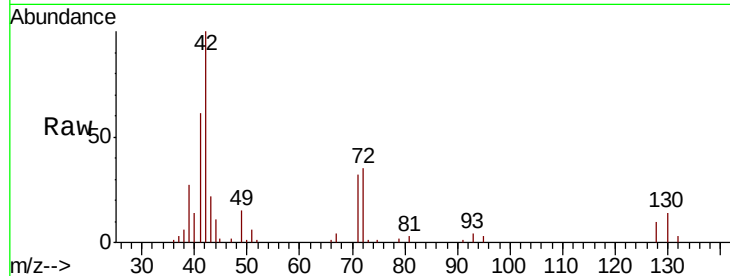
#29
Tetrahydrofuran
Concen: 27.41 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	26.9	40.3
71	31.4	26.2	39.4

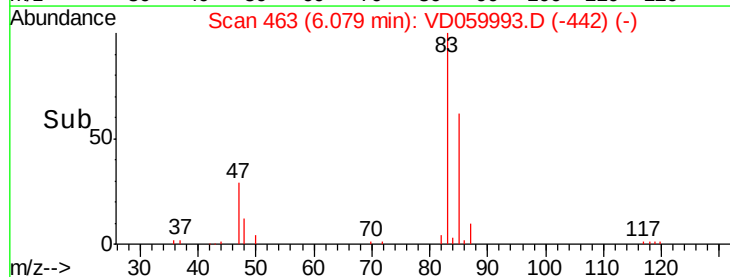
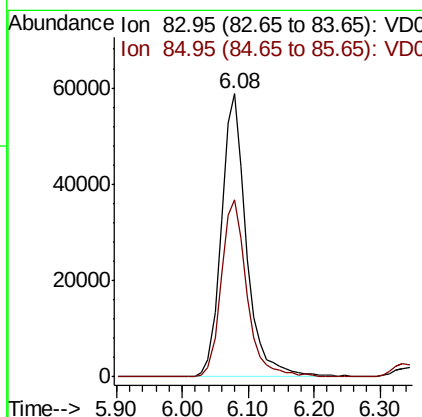
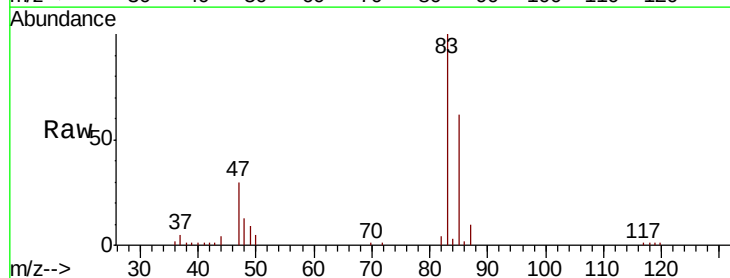
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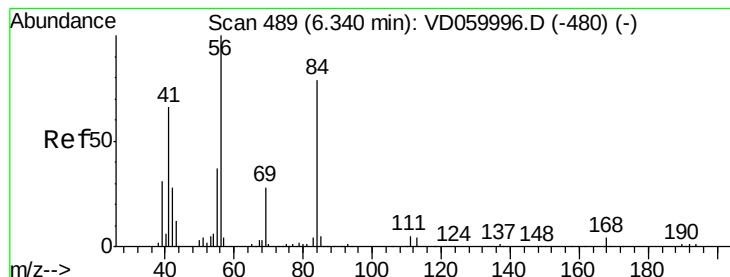
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#30
Chloroform
Concen: 5.19 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.6	78.8





#31

Cyclohexane

Concen: 6.09 ug/l

RT: 6.34 min Scan# 490

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

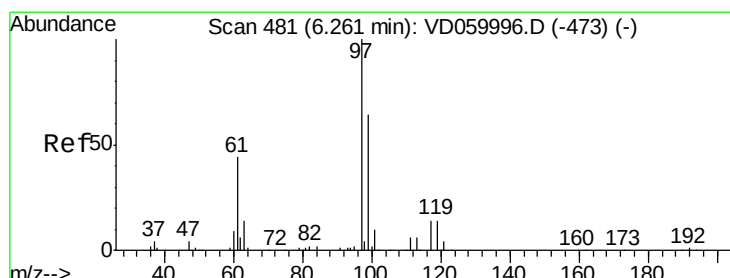
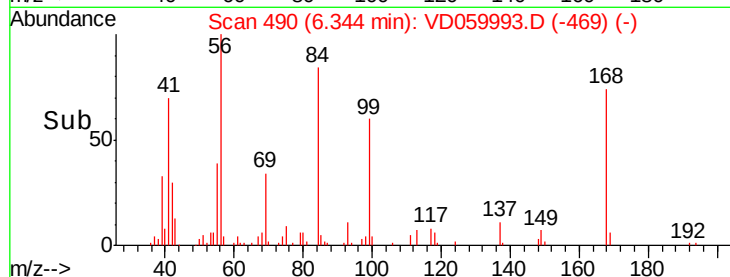
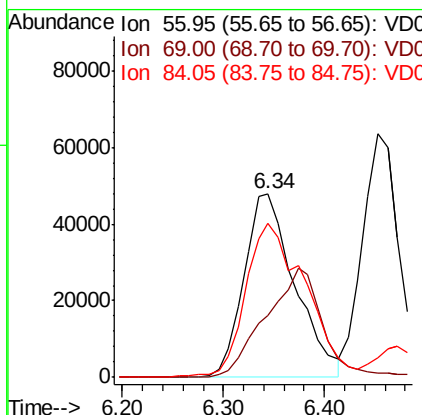
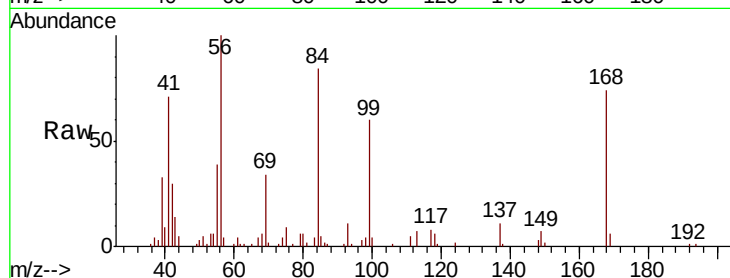
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	167815
Ion Ratio	Lower	Upper	
56	100		
69	33.7	22.7	34.1
84	83.7	64.0	96.0

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#32

1,1,1-Trichloroethane

Concen: 5.00 ug/l

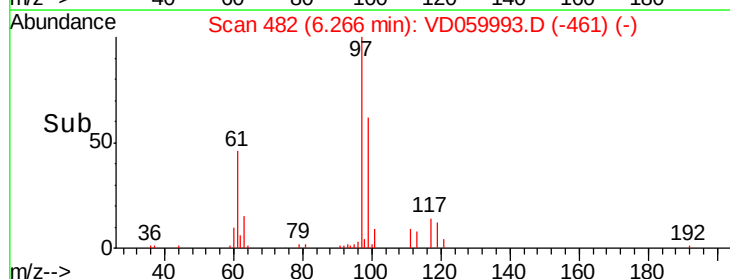
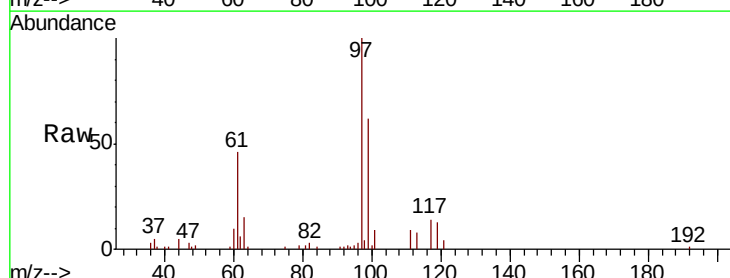
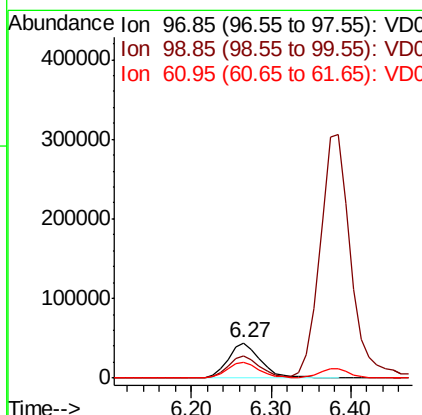
RT: 6.27 min Scan# 482

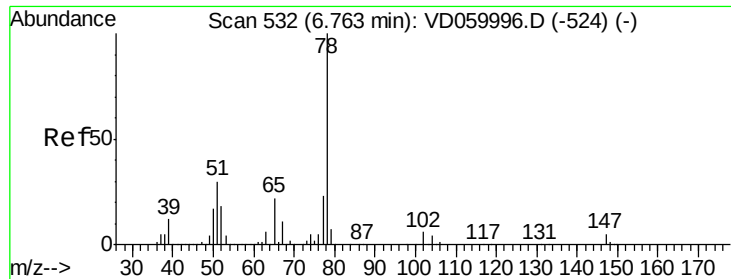
Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Tgt Ion:	97	Resp:	127140
Ion Ratio	Lower	Upper	
97	100		
99	61.5	51.3	76.9
61	45.6	35.5	53.3





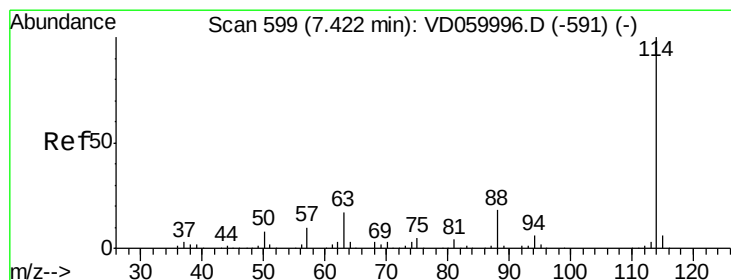
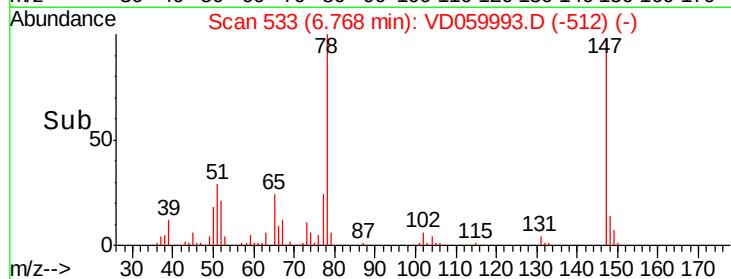
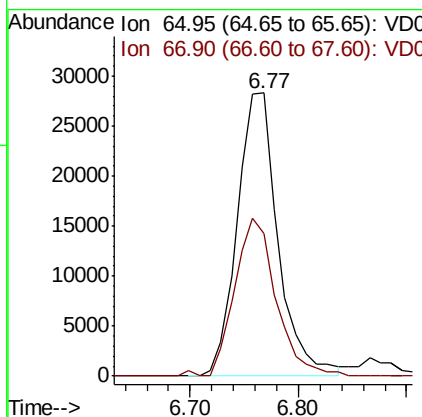
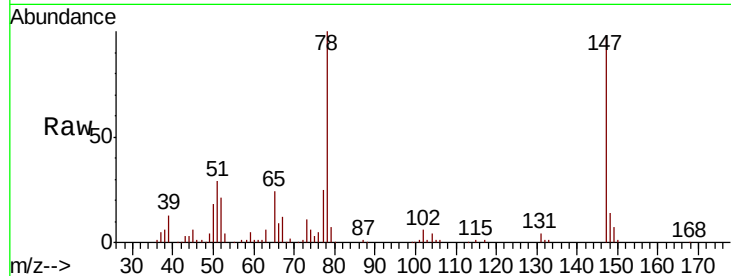
#33
 1,2-Dichloroethane-d4
 Concen: 5.00 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	104.8

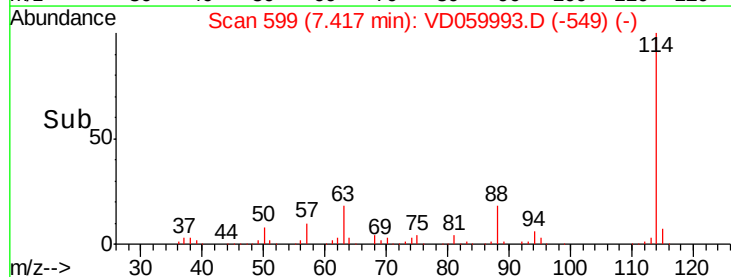
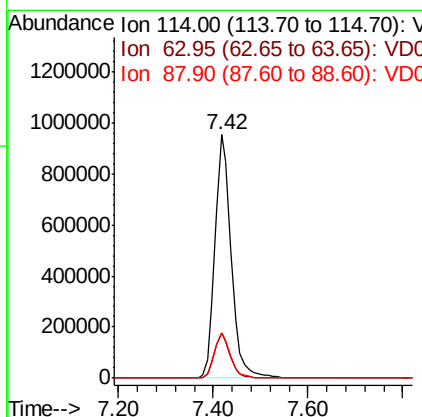
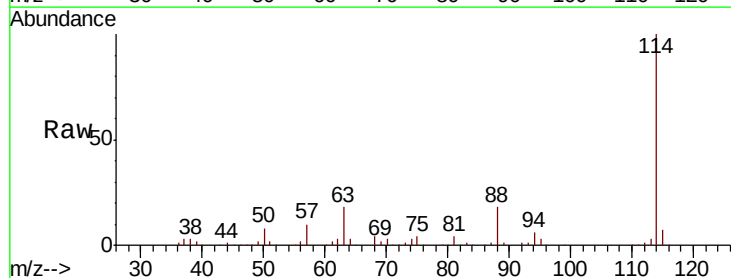
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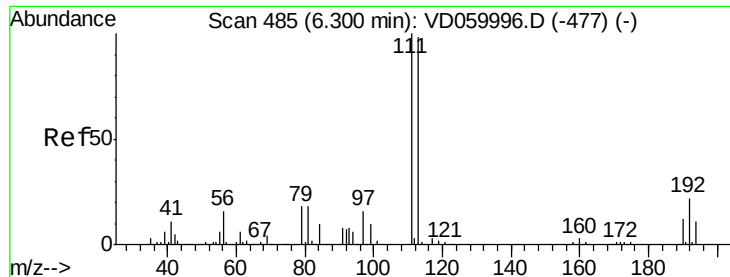
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	34.4
88	18.5	0.0	35.8





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.01 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

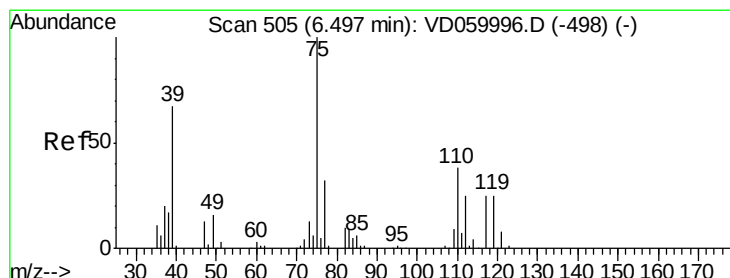
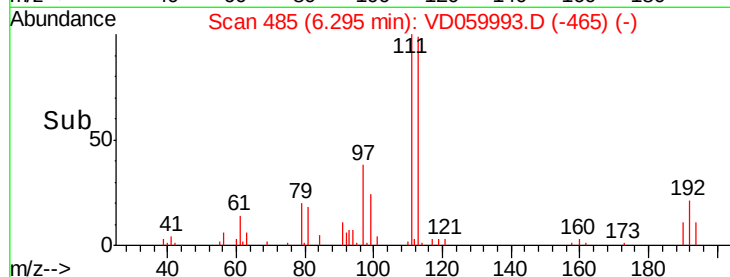
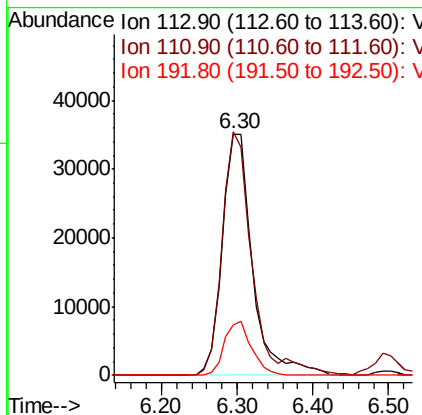
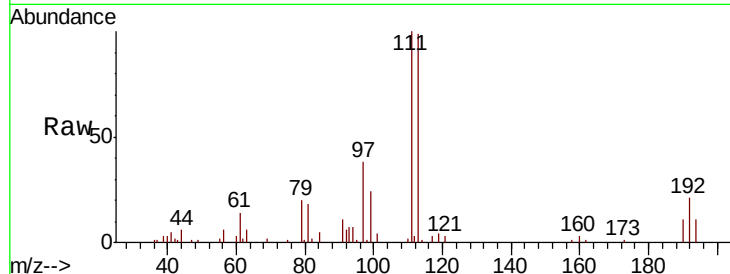
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	96997
Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.3	121.9
192	20.8	18.1	27.1

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#36

1,1-Dichloropropene

Concen: 5.92 ug/l

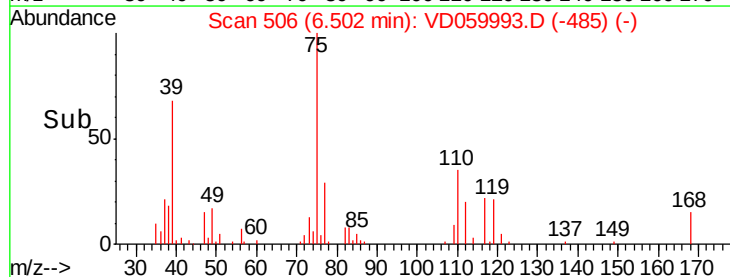
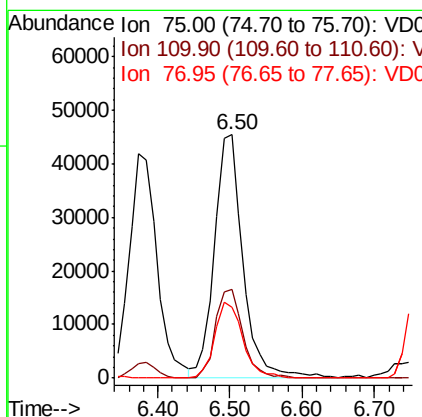
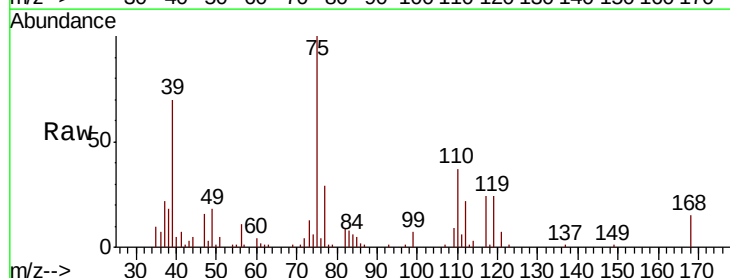
RT: 6.50 min Scan# 506

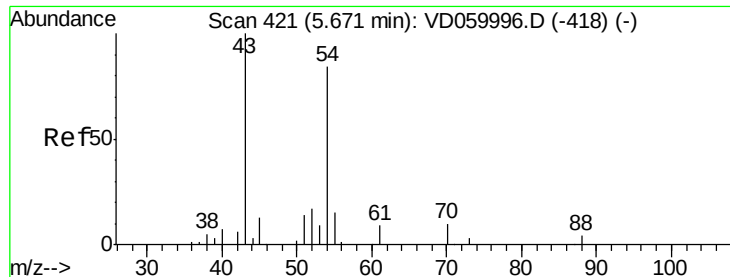
Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Tgt Ion:	75	Resp:	124327
Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.9	56.9
77	28.9	25.3	37.9





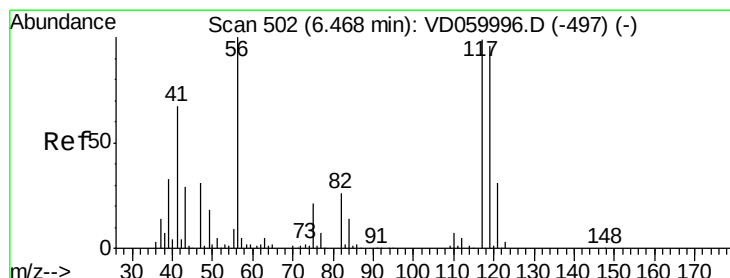
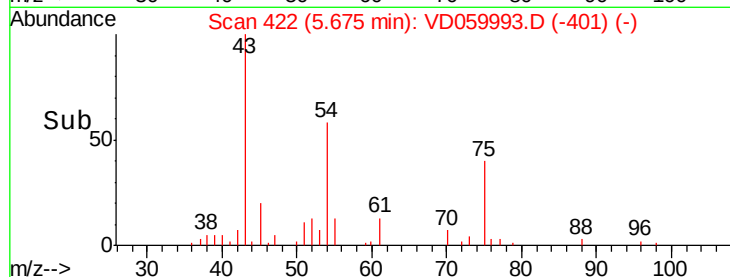
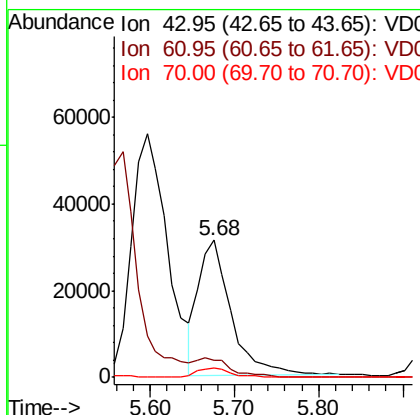
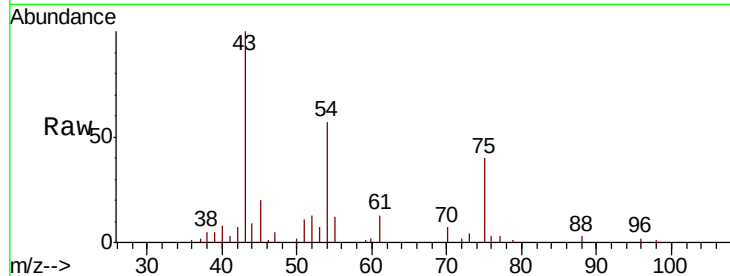
#37
Ethyl Acetate
Concen: 5.26 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.2	15.2
70	7.3	6.1	9.1

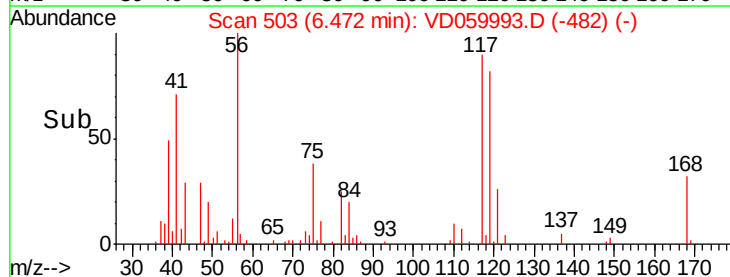
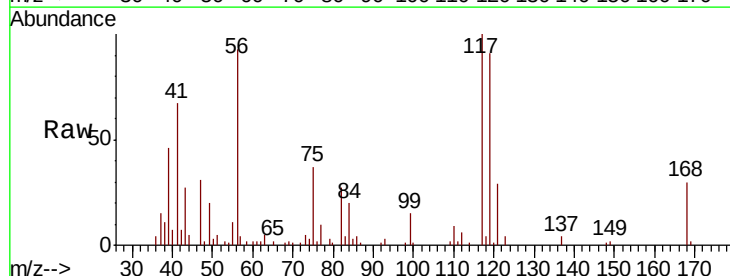
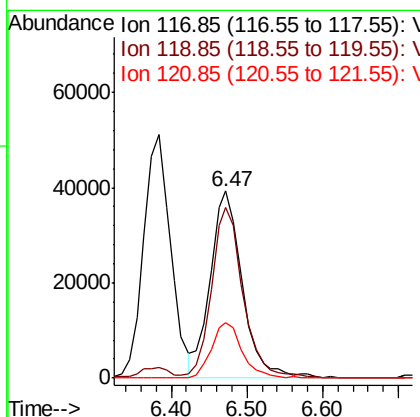
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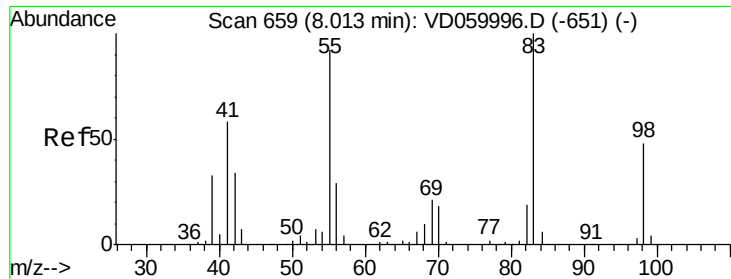
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#38
Carbon Tetrachloride
Concen: 5.53 ug/l
RT: 6.47 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.4	76.7	115.1
121	29.4	24.9	37.3





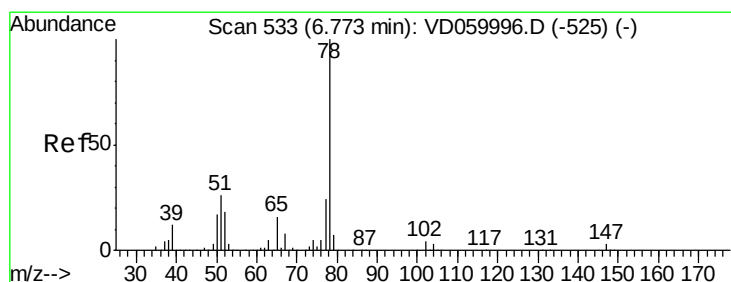
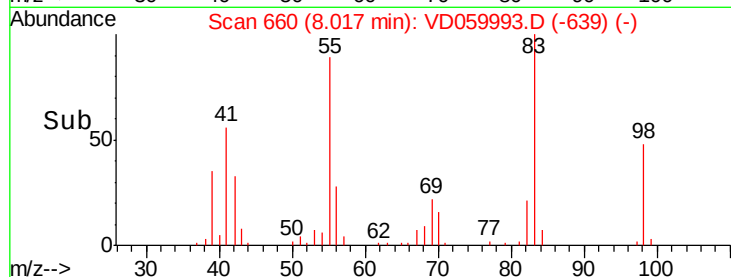
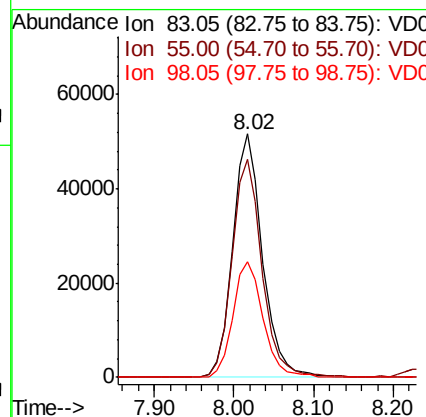
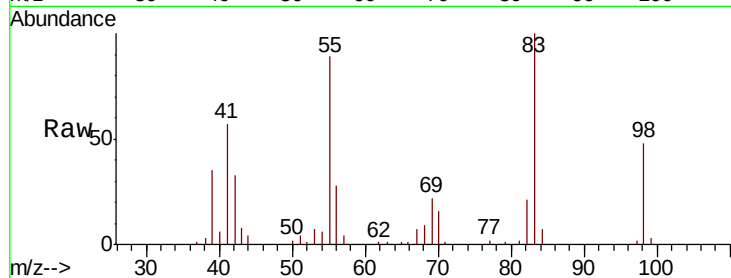
#39
Methylvlcyclohexane
Concen: 5.88 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	134601
Ion Ratio	100	Lower	Upper
83	100		
55	89.4	73.8	110.6
98	47.6	38.1	57.1

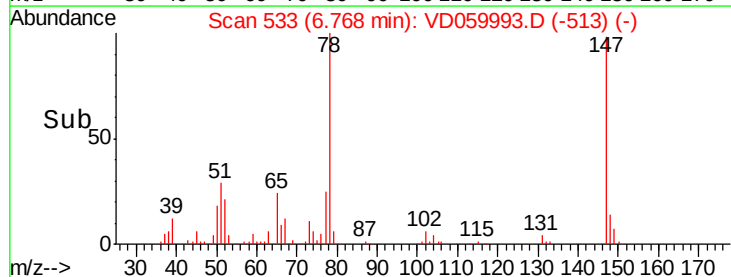
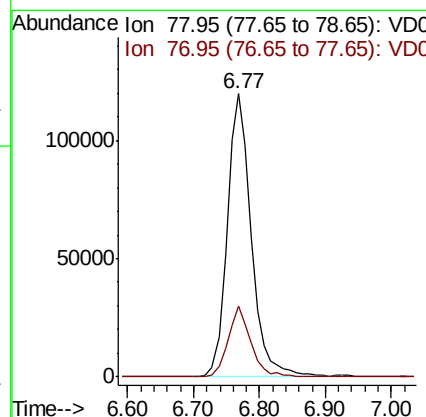
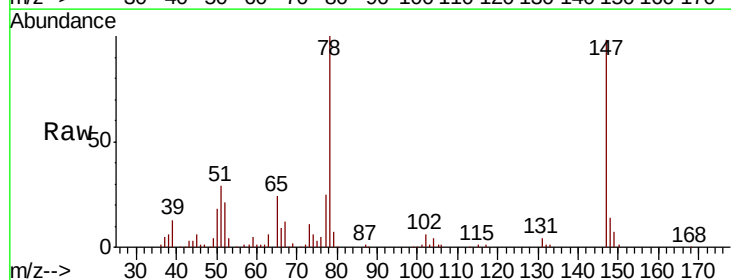
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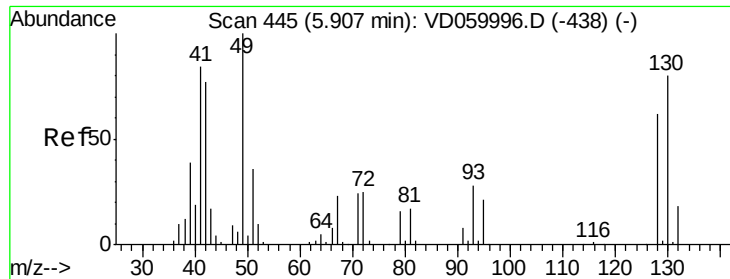
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#40
Benzene
Concen: 5.59 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion	78	Resp	305831
Ion Ratio	100	Lower	Upper
78	100		
77	25.1	19.0	28.4





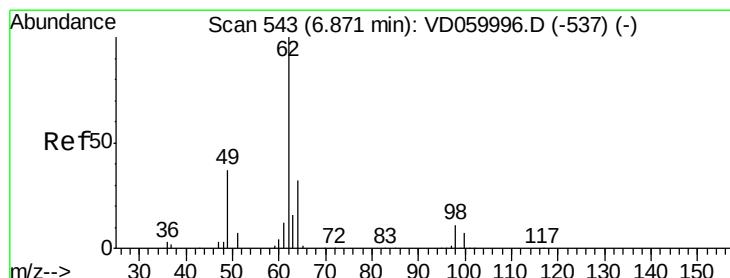
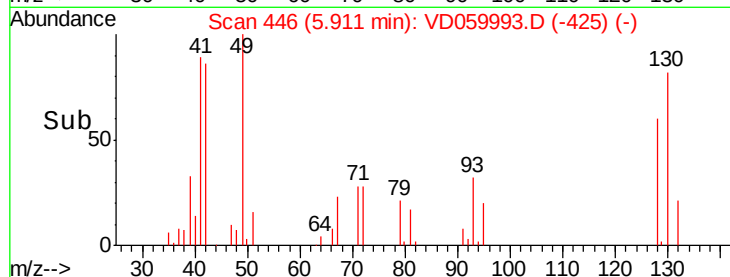
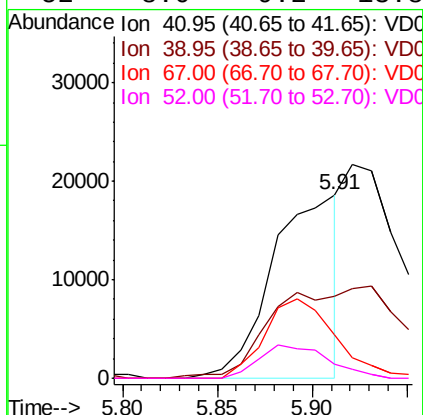
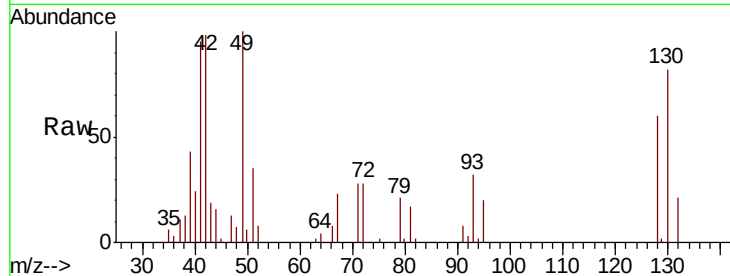
#41
Methacrylonitrile
Concen: 5.68 ug/l m
RT: 5.91 min Scan# 446
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.8	37.5	56.3
67	23.9	21.5	32.3
52	8.0	9.2	13.8

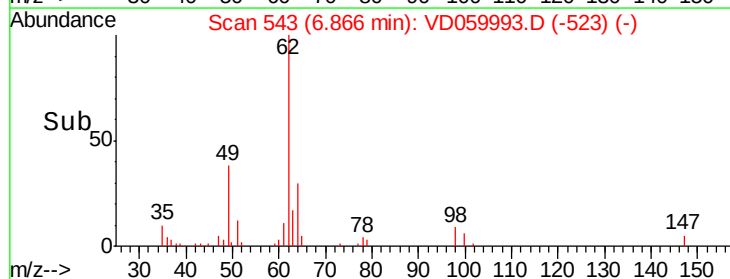
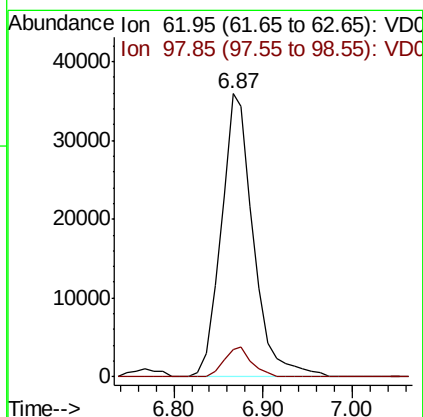
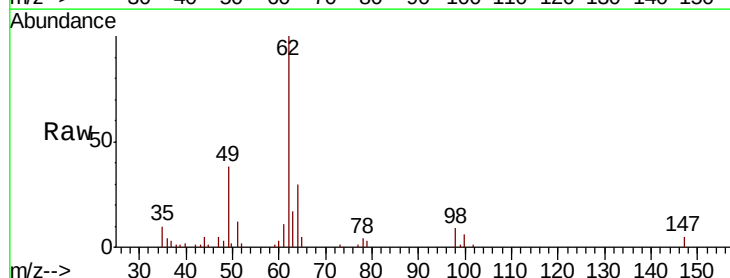
Manual Integrations
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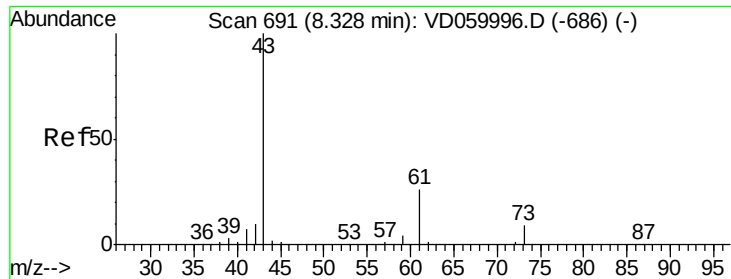
apatel
9/14/2018 9:59:56 AM



#42
1,2-Dichloroethane
Concen: 5.25 ug/l
RT: 6.87 min Scan# 543
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	21.4





#43

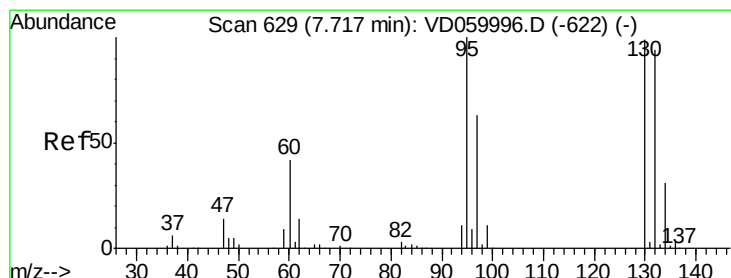
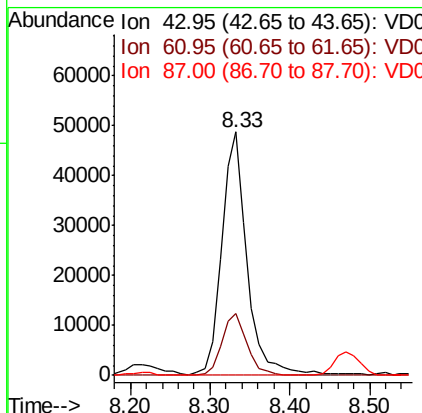
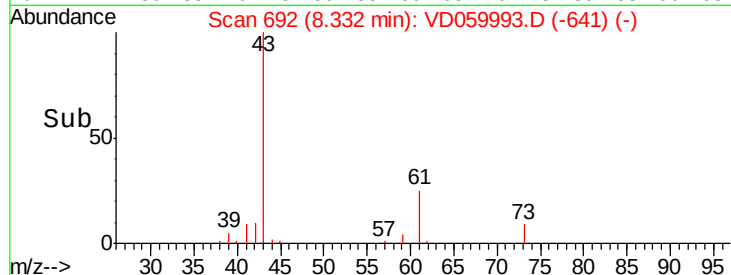
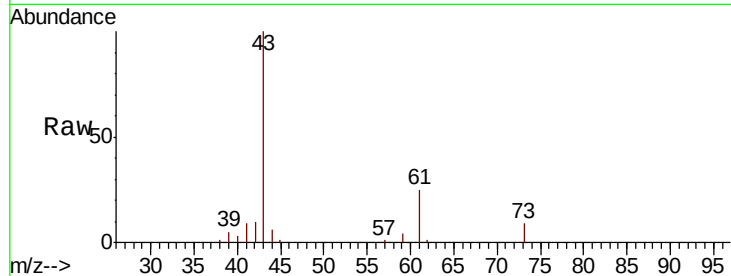
Isopropyl Acetate
Concen: 5.22 ug/l
RT: 8.33 min Scan# 692
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	21.0	31.6
87	0.0	0.2	0.2#

Manual Integrations
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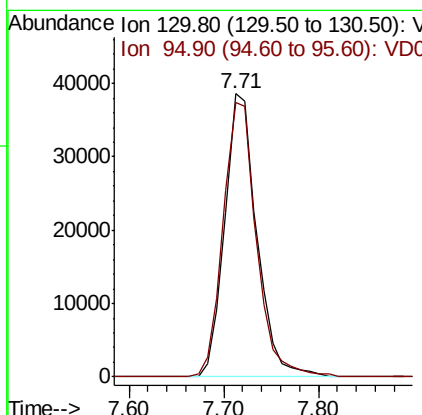
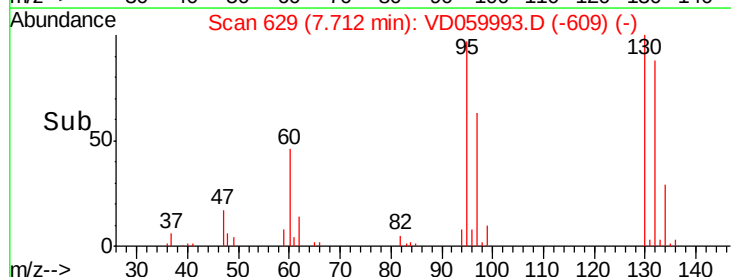
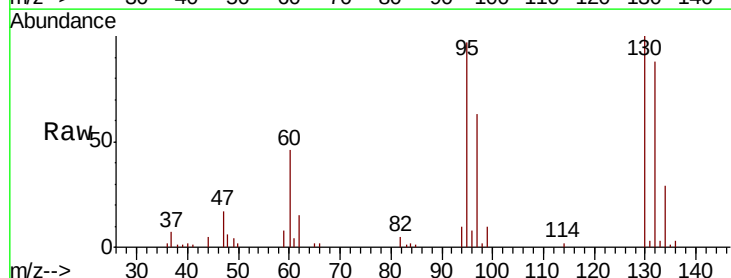
apatel
9/14/2018 9:59:56 AM

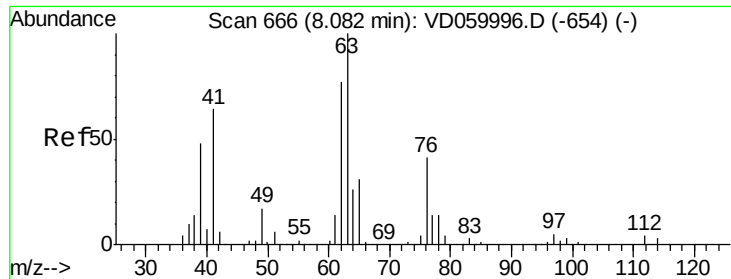


#44

Trichloroethene
Concen: 5.60 ug/l
RT: 7.71 min Scan# 629
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	202.0





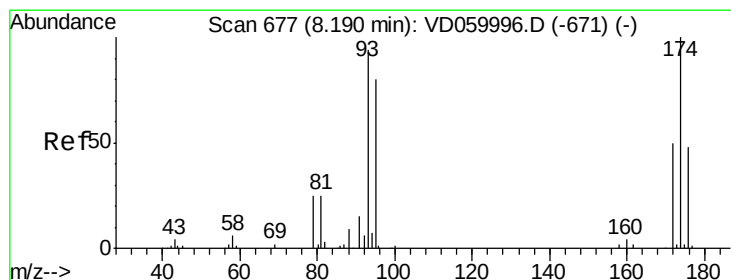
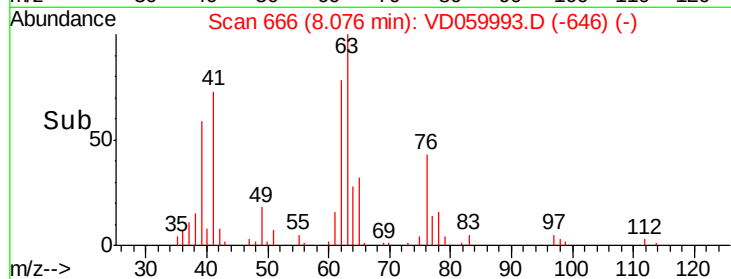
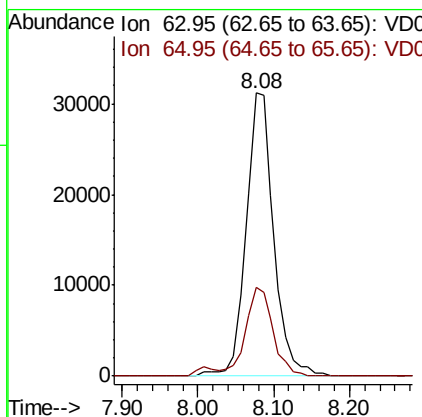
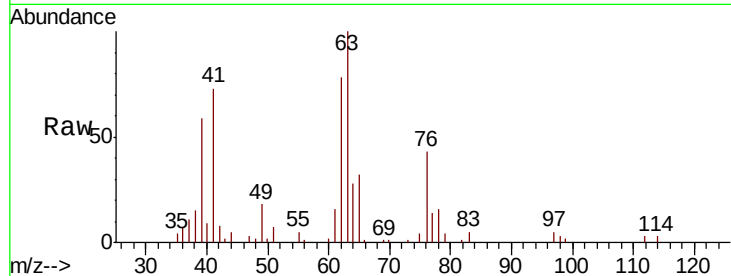
#45
 1,2-Dichloropropane
 Concen: 5.22 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 78829
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.6 37.0

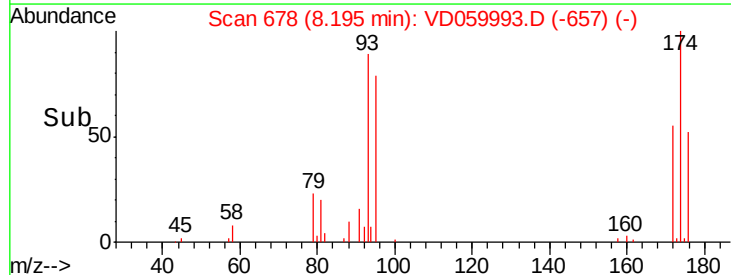
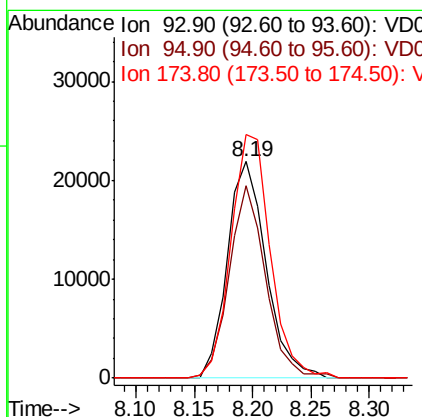
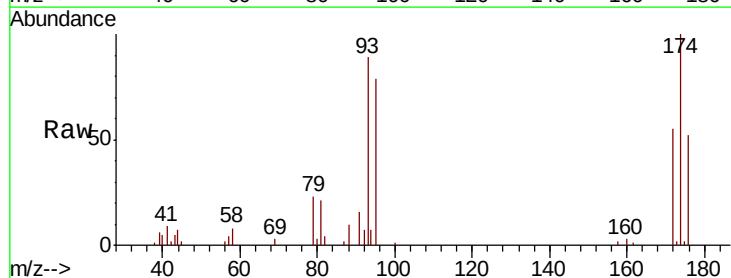
Manual Integrations
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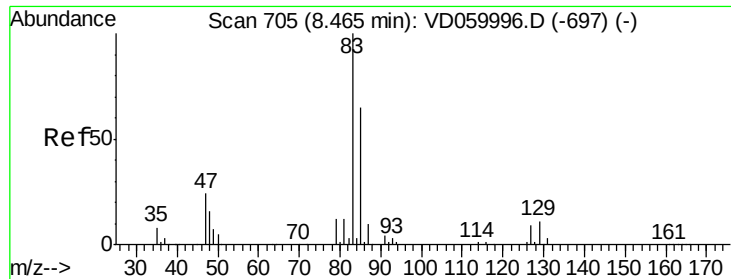
apatel
 9/14/2018 9:59:56 AM



#46
 Dibromomethane
 Concen: 5.19 ug/l
 RT: 8.19 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Tgt Ion: 93 Resp: 50447
 Ion Ratio Lower Upper
 93 100
 95 89.1 68.0 102.0
 174 112.5 85.4 128.2





#47

Bromodichloromethane

Concen: 5.02 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

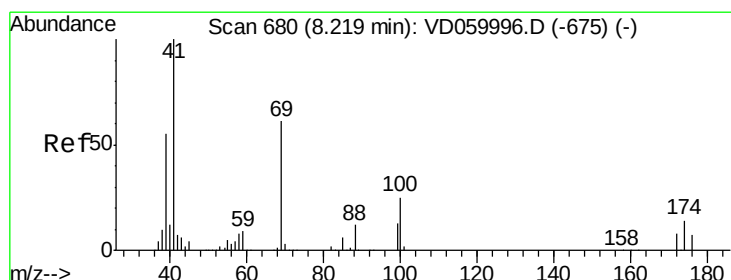
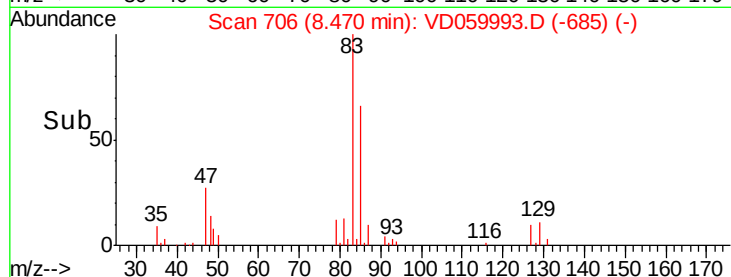
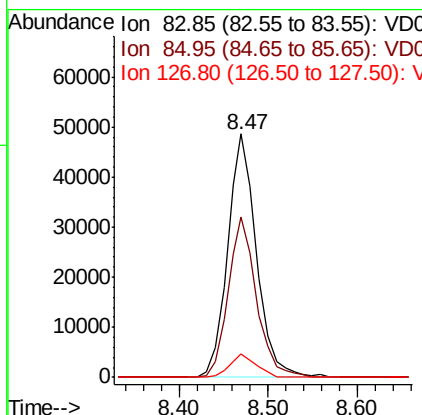
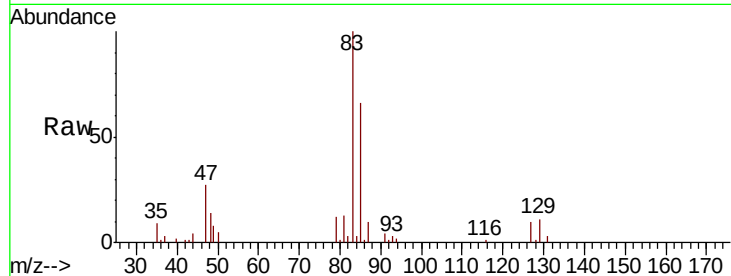
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	109634
Ion Ratio	Lower	Upper	
83	100		
85	66.1	51.9	77.9
127	9.6	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.85 ug/l

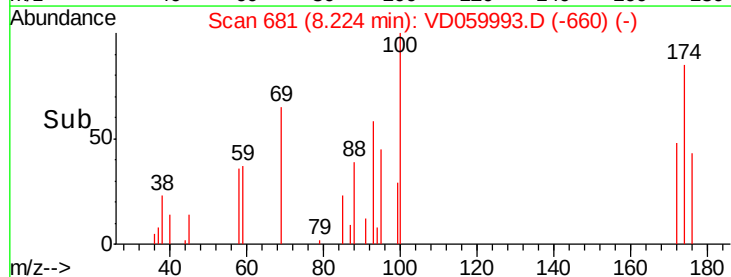
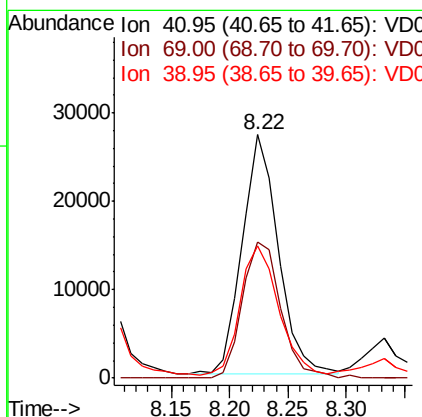
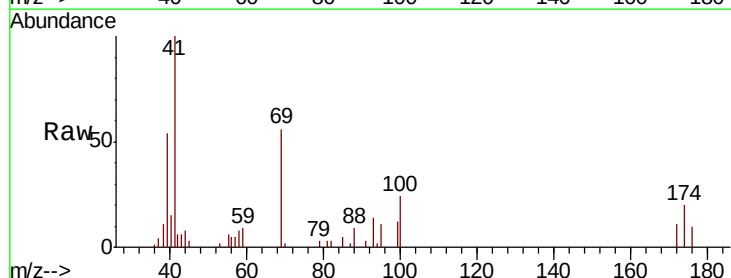
RT: 8.22 min Scan# 681

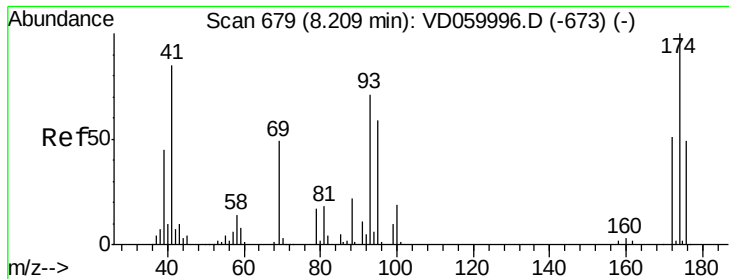
Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Tgt Ion:	41	Resp:	58713
Ion Ratio	Lower	Upper	
41	100		
69	55.8	48.3	72.5
39	54.3	44.1	66.1





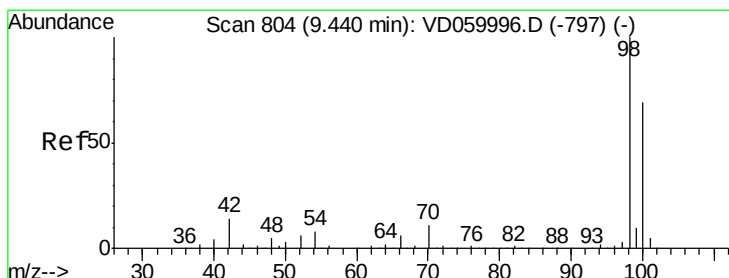
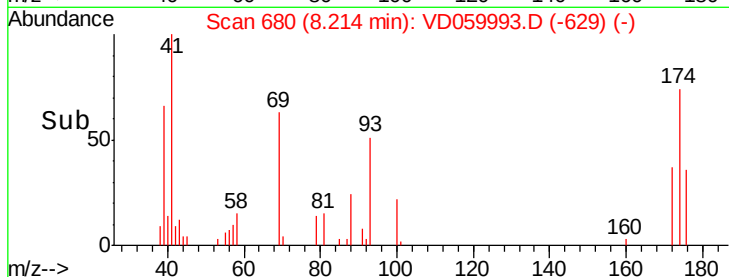
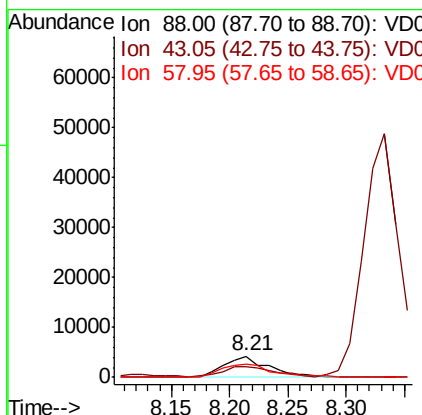
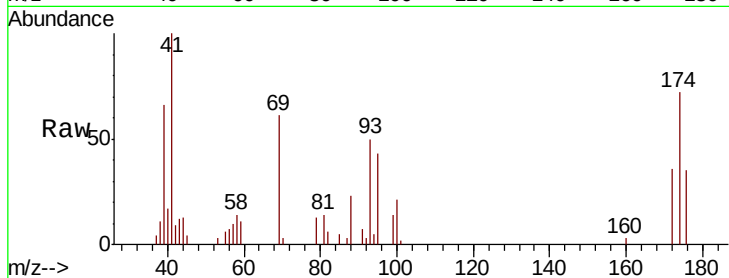
#49
1,4-Dioxane
Concen: 102.36 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	51.3	36.2	54.2
58	62.0	51.0	76.6

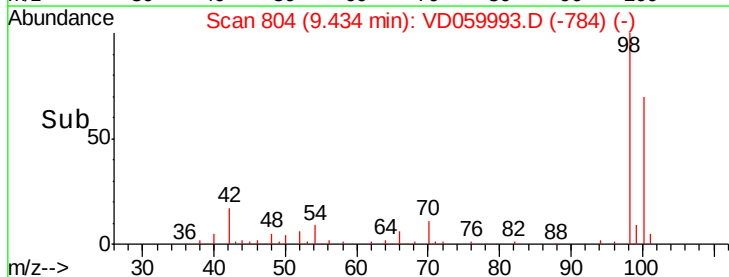
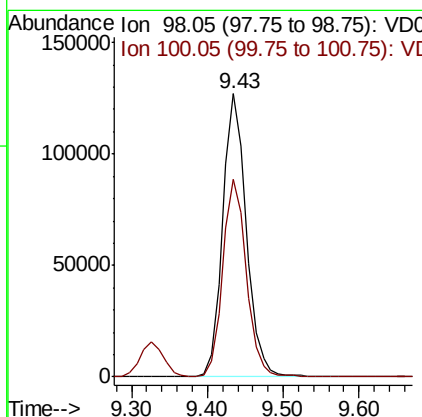
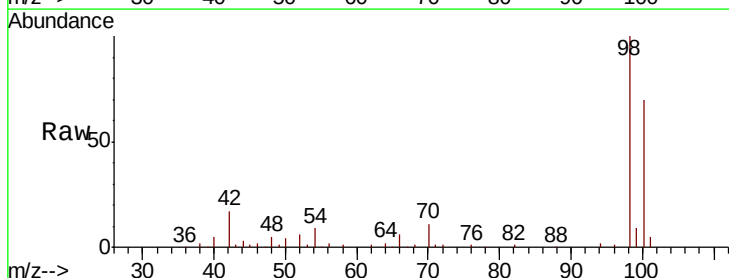
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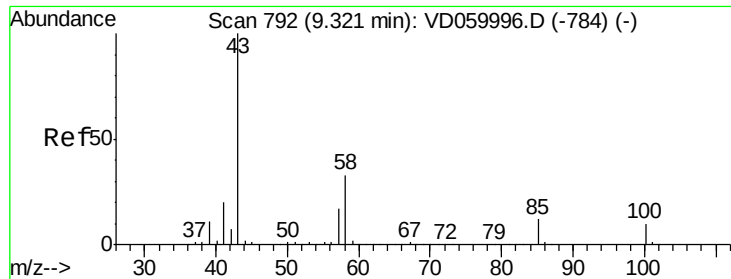
apatel
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#50
Toluene-d8
Concen: 102.36 ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.6	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 24.24 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 359663

Ion Ratio Lower Upper

43 100

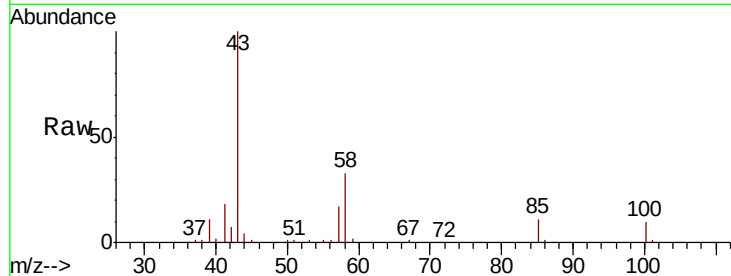
58 32.7 26.4 39.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

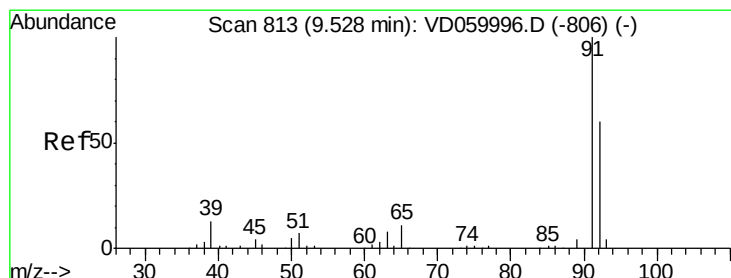
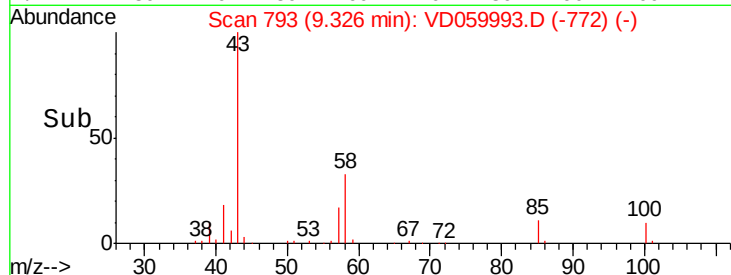
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 5.51 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.01 min

Lab File: VD059993.D

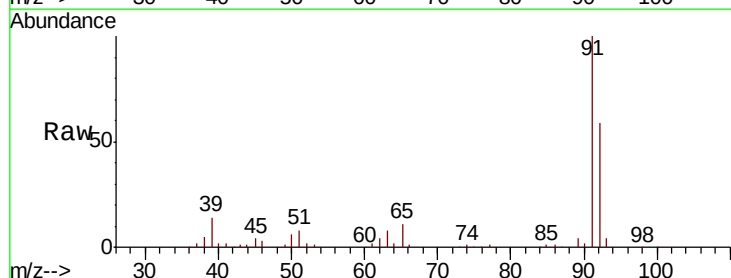
Acq: 13 Sep 2018 11:48

Tgt Ion: 92 Resp: 192787

Ion Ratio Lower Upper

92 100

91 169.1 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.52

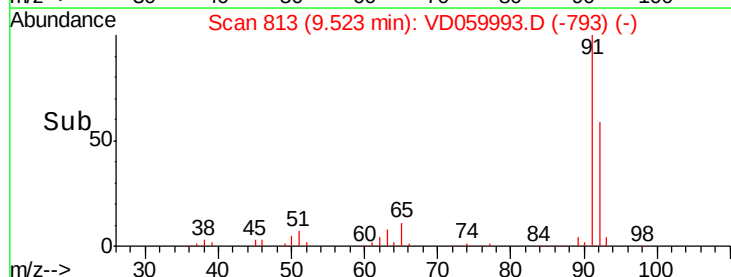
150000

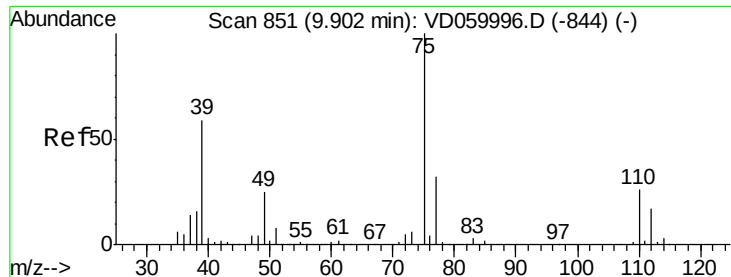
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 5.23 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.01 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 105304

Ion Ratio Lower Upper

75 100

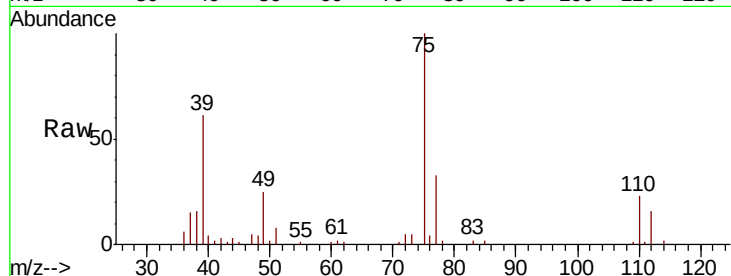
77 33.0 25.6 38.4

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

60000

50000

40000

30000

20000

10000

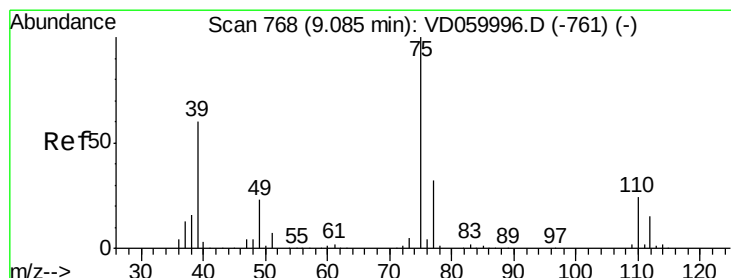
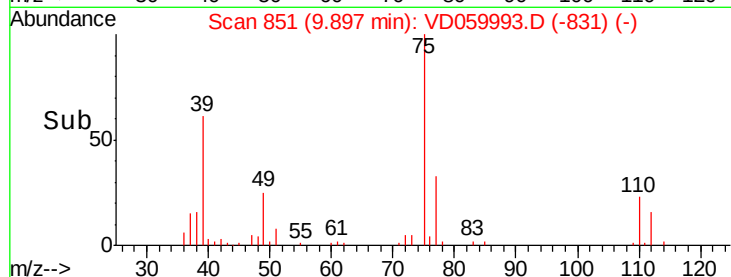
0

9.80

9.90

10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 5.17 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.01 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

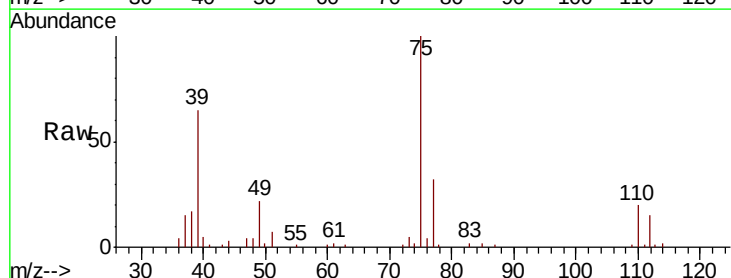
Tgt Ion: 75 Resp: 122233

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

39 64.6 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

80000

60000

40000

20000

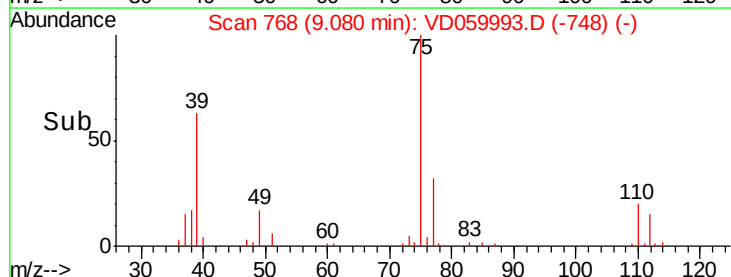
0

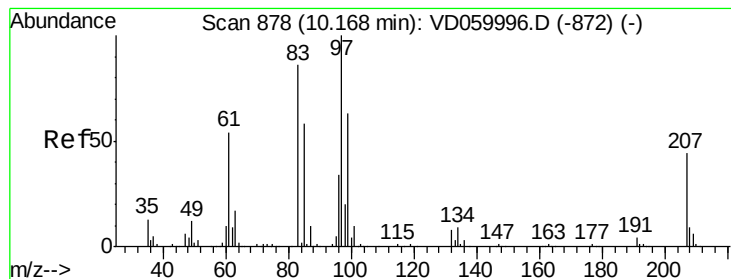
9.00

9.10

9.20

Time-->





#55

1,1,2-Trichloroethane

Concen: 5.80 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.01 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

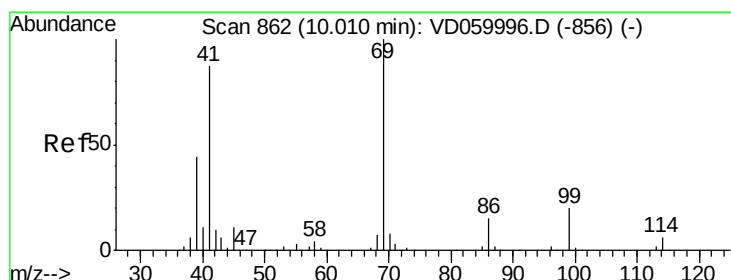
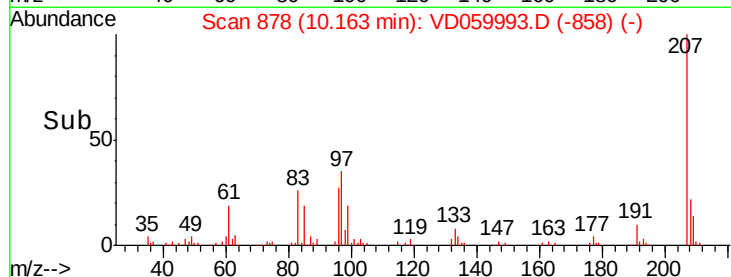
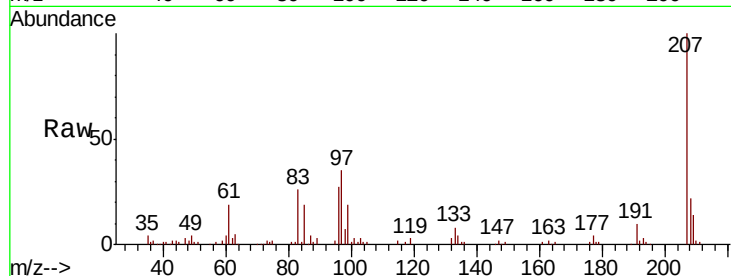
VSTDIC005

Tot Ion:	97	Resp:	73155
Ion	Ratio	Lower	Upper
97	100		
83	74.3	69.1	103.7
85	52.3	46.2	69.4
99	54.8	50.6	75.8

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#56

Ethyl methacrylate

Concen: 4.83 ug/l

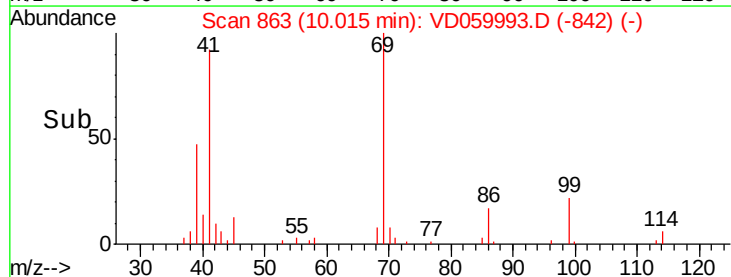
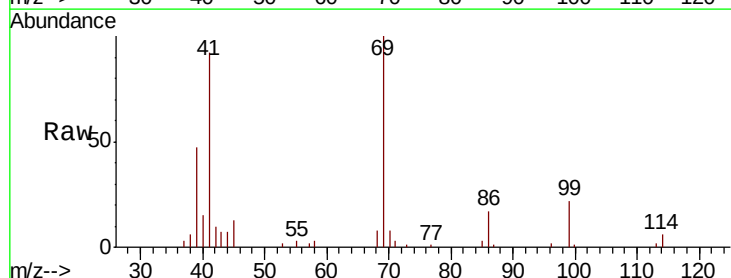
RT: 10.02 min Scan# 863

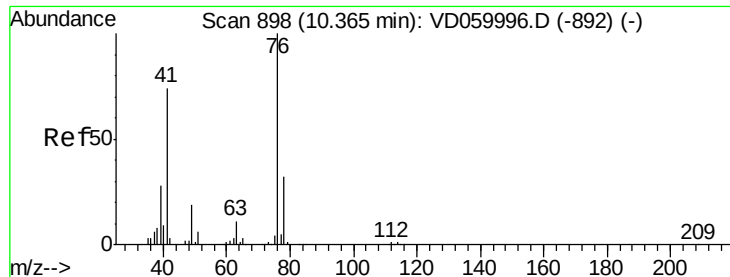
Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Tgt Ion:	69	Resp:	69827
Ion	Ratio	Lower	Upper
69	100		
41	91.6	70.1	105.1
39	47.4	36.5	54.7





#57

1,3-Dichloropropane

Concen: 5.33 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 97475

Ion Ratio Lower Upper

76 100

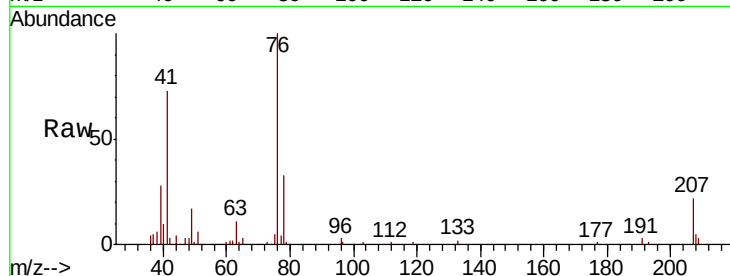
78 33.4 25.3 37.9

Manual Integrations

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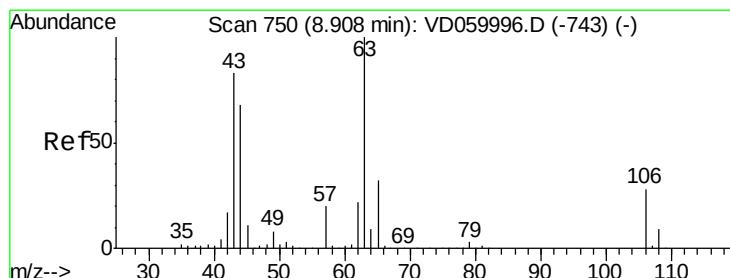
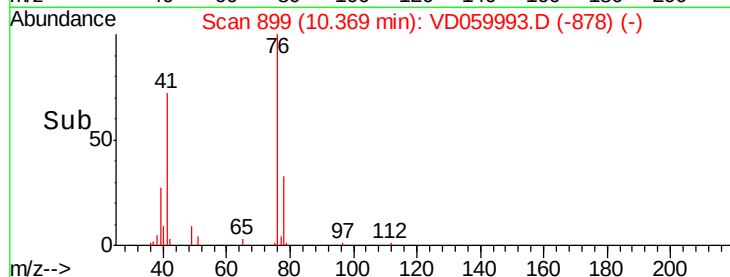
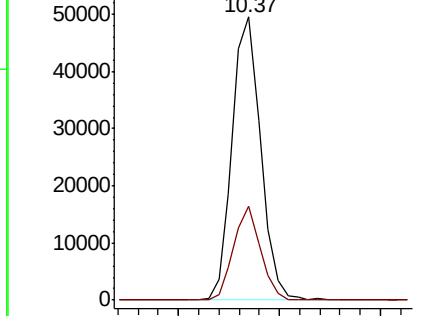
apatel

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 26.93 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD059993.D

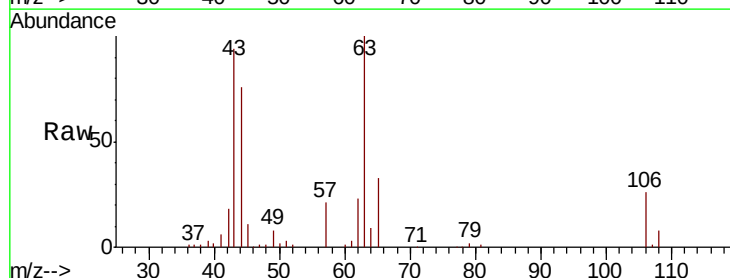
Acq: 13 Sep 2018 11:48

Tgt Ion: 63 Resp: 186450

Ion Ratio Lower Upper

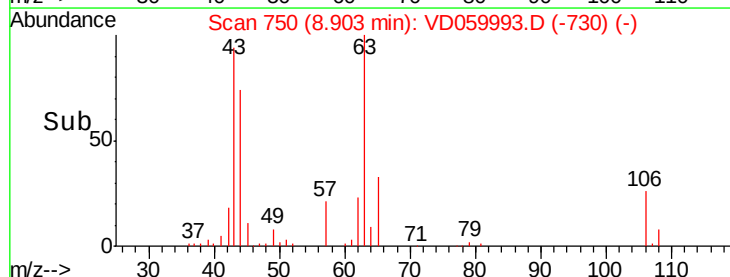
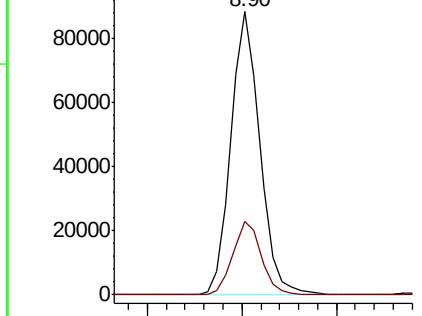
63 100

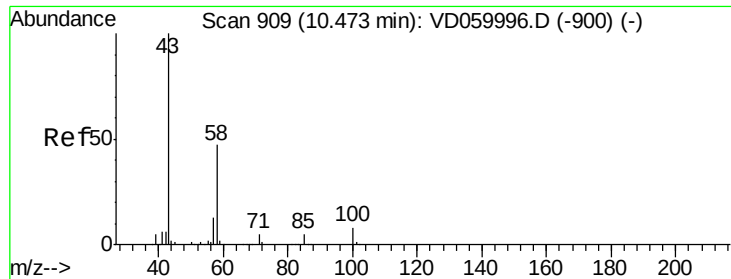
106 26.1 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





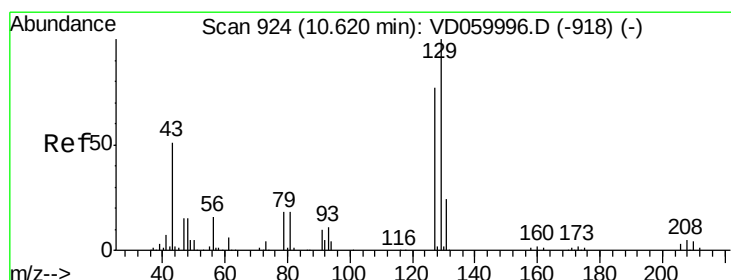
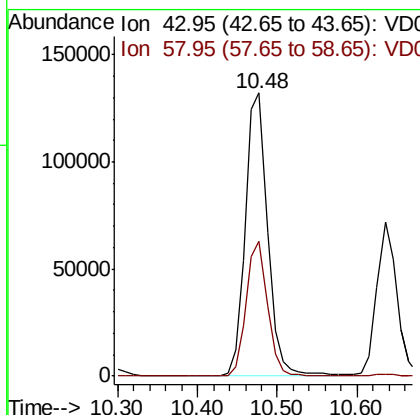
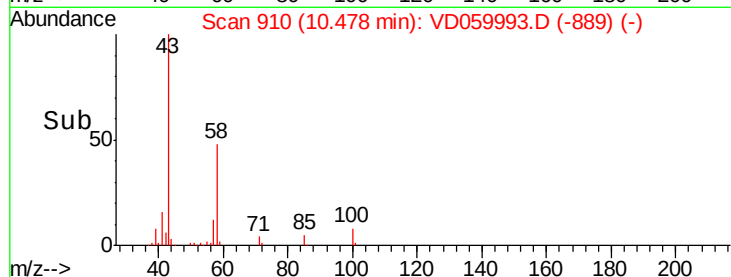
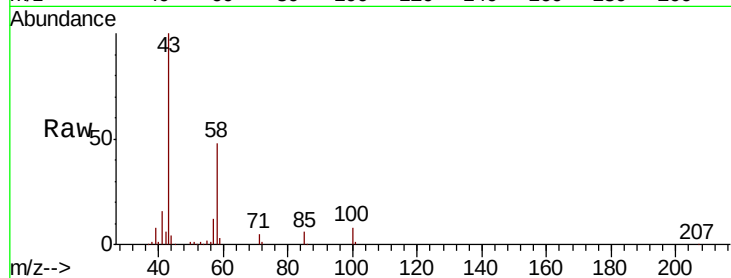
#59
2-Hexanone
Concen: 23.26 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 254497
Ion Ratio Lower Upper
43 100
58 47.6 23.4 70.0

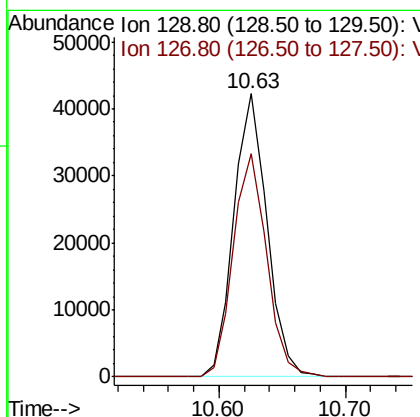
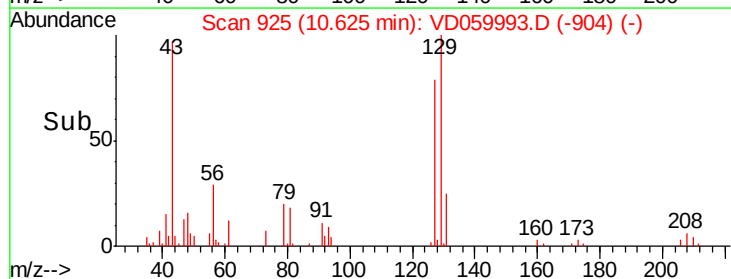
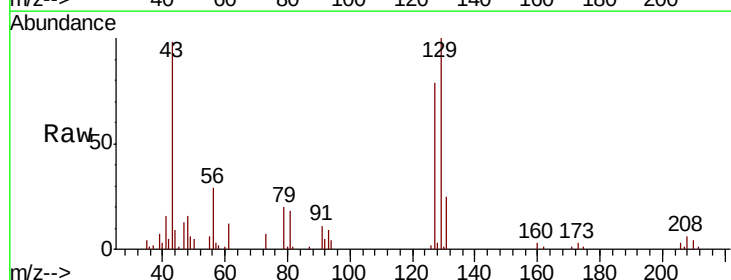
Manual Integrations
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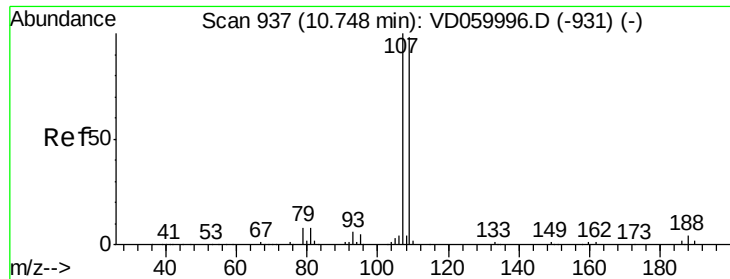
apatel
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#60
Dibromochloromethane
Concen: 4.84 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion: 129 Resp: 76652
Ion Ratio Lower Upper
129 100
127 78.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 5.24 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 66787

Ion Ratio Lower Upper

107 100

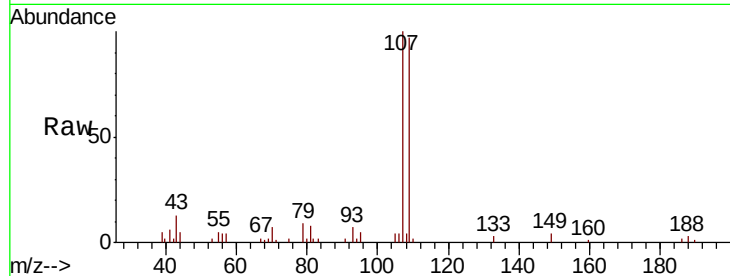
109 97.3 78.2 117.2

Manual Integrations

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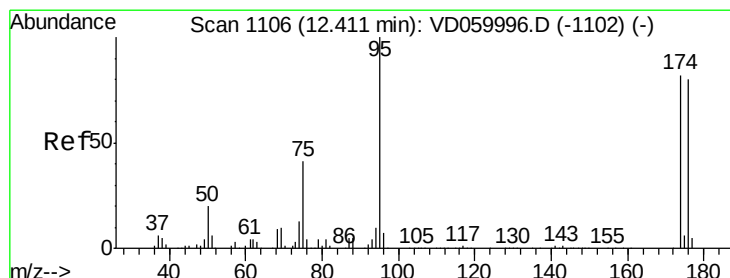
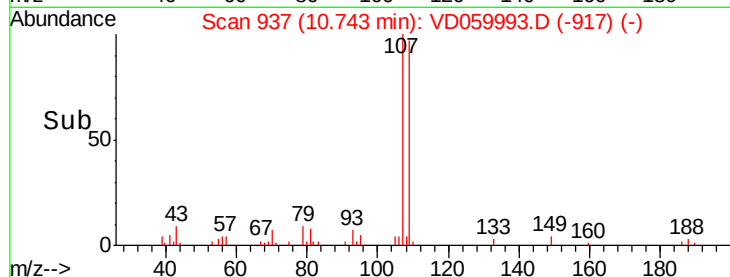
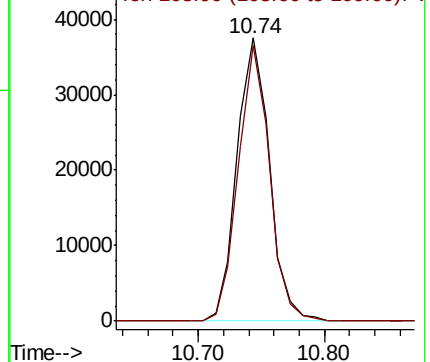
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 5.24 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

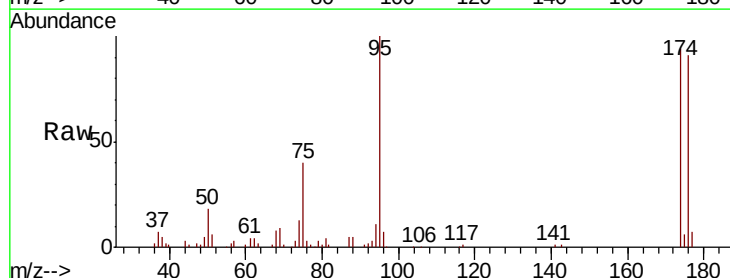
Tgt Ion: 95 Resp: 107720

Ion Ratio Lower Upper

95 100

174 93.5 0.0 165.0

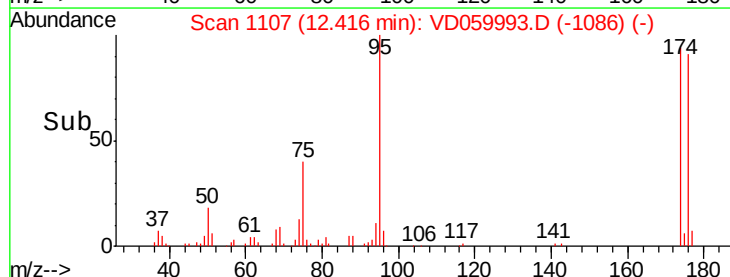
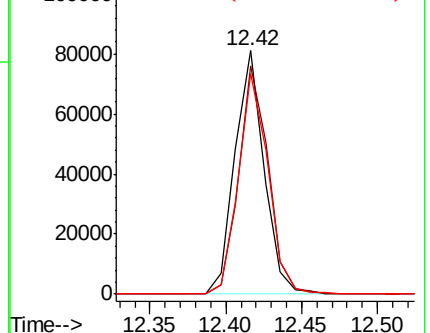
176 90.7 0.0 160.2

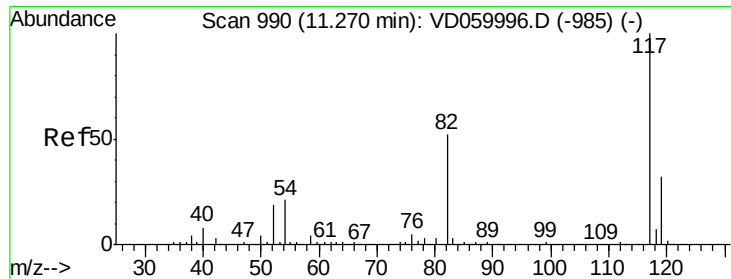


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





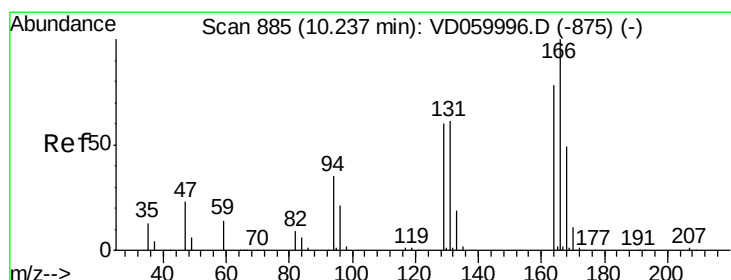
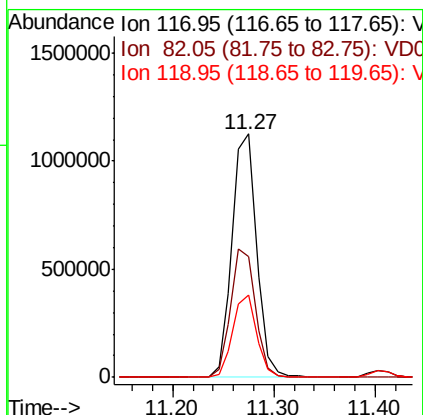
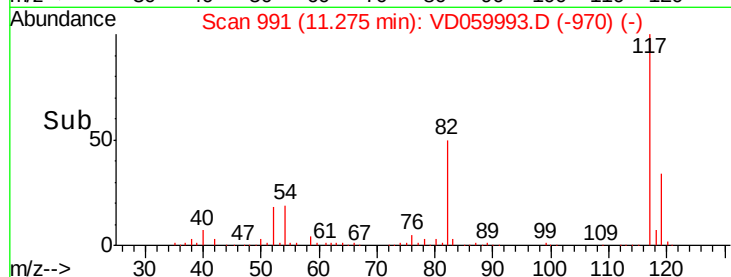
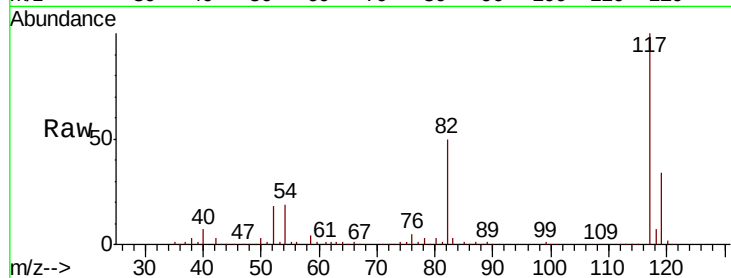
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 1905977
Ion Ratio Lower Upper
117 100
82 49.7 41.7 62.5
119 33.6 26.0 39.0

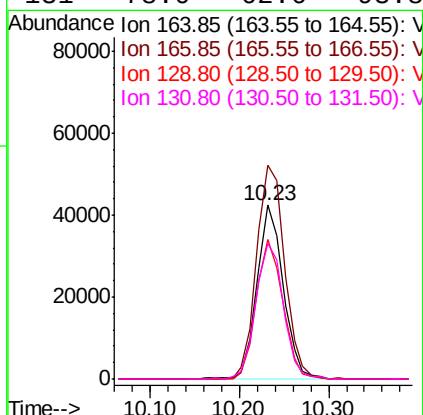
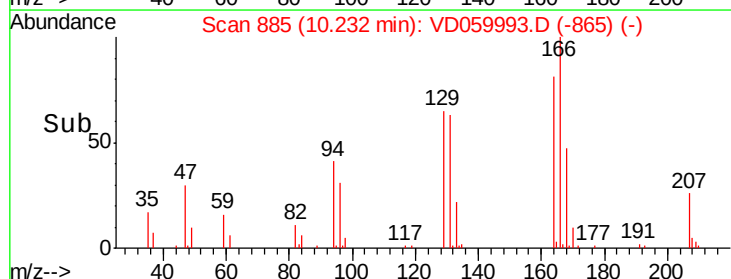
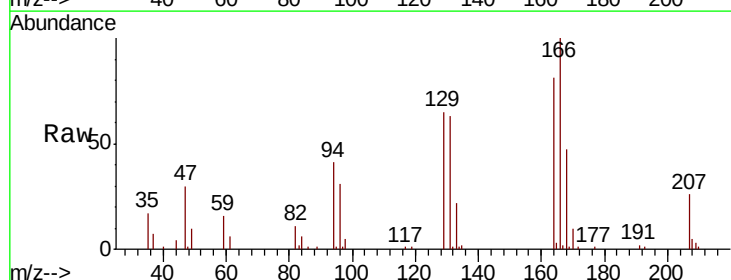
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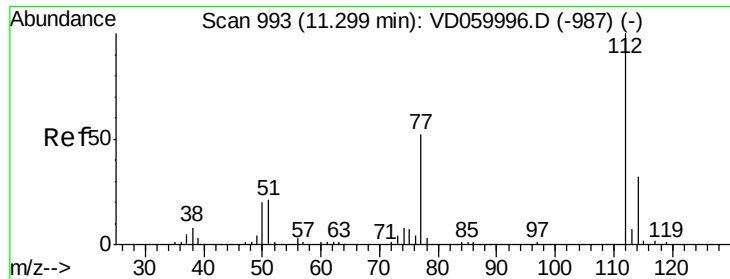
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#64
Tetrachloroethene
Concen: 5.62 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion:164 Resp: 86017
Ion Ratio Lower Upper
164 100
166 123.0 103.0 154.6
129 80.2 61.9 92.9
131 78.0 62.6 93.8





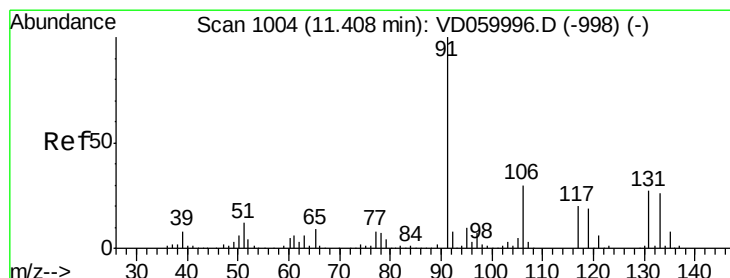
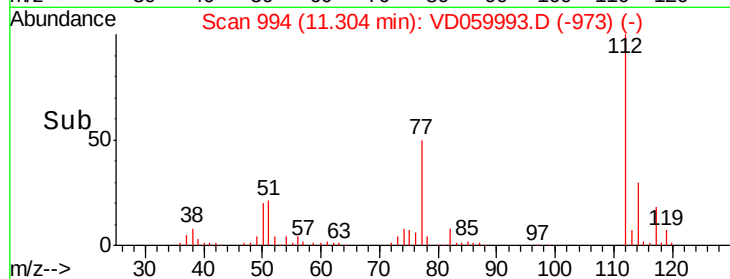
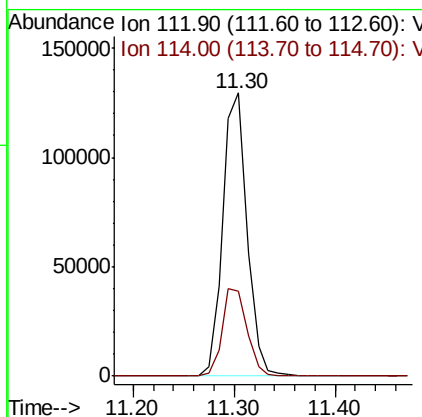
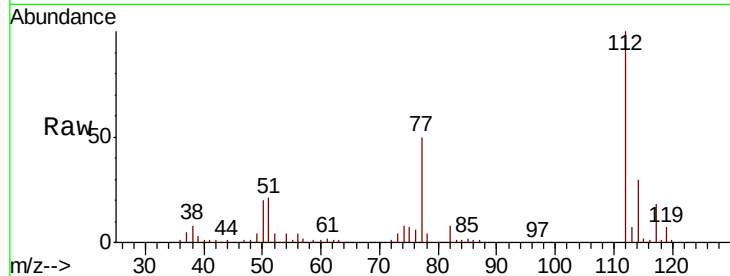
#65
Chlorobenzene
Concen: 5.60 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 217644
Ion Ratio Lower Upper
112 100
114 30.2 25.3 37.9

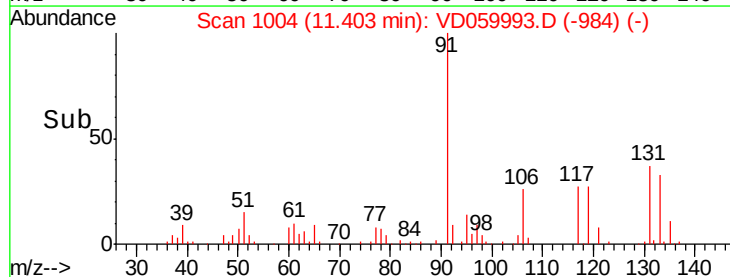
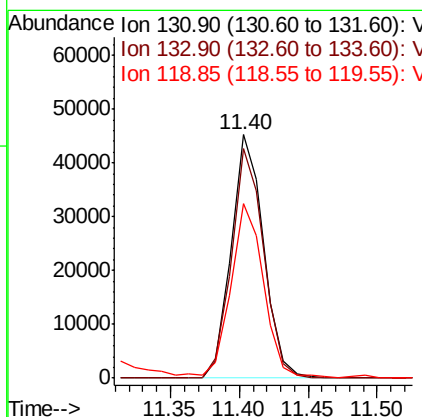
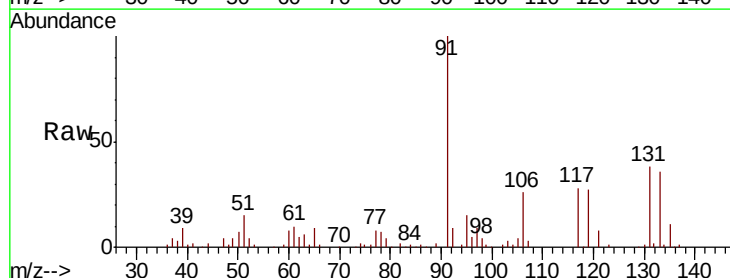
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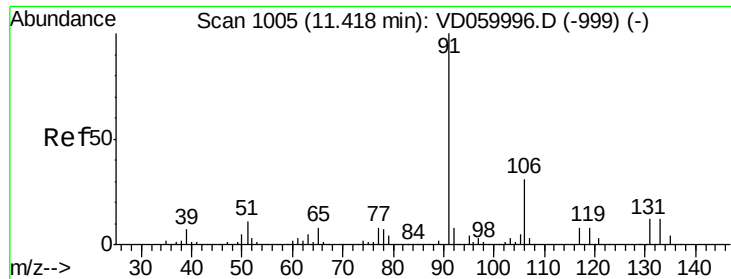
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.27 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion:131 Resp: 73780
Ion Ratio Lower Upper
131 100
133 94.1 47.4 142.3
119 71.9 35.6 106.9





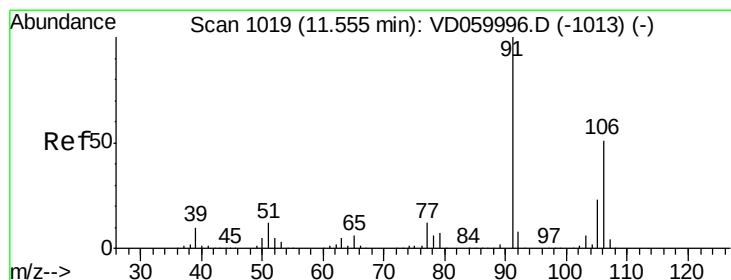
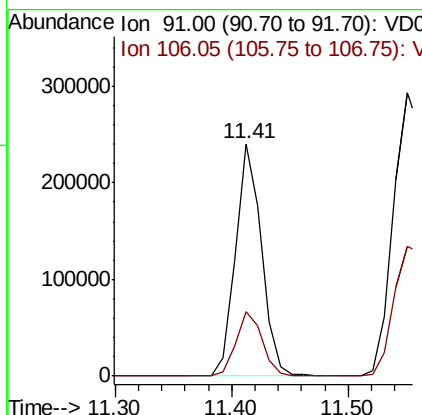
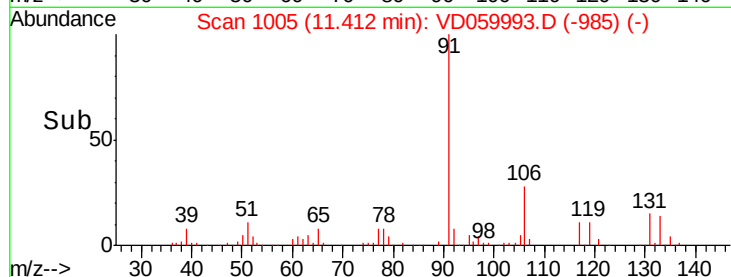
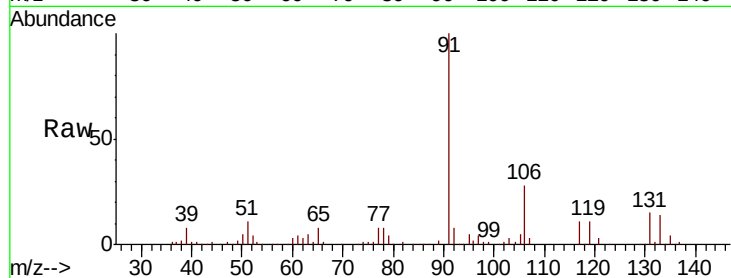
#67
Ethyl Benzene
Concen: 5.70 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 369864
Ion Ratio Lower Upper
91 100
106 28.0 24.8 37.2

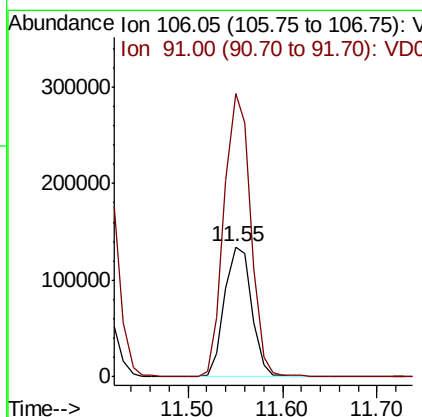
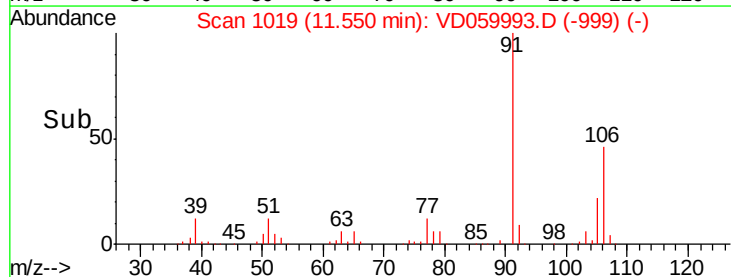
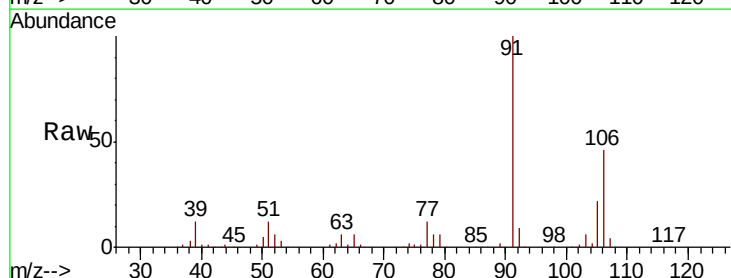
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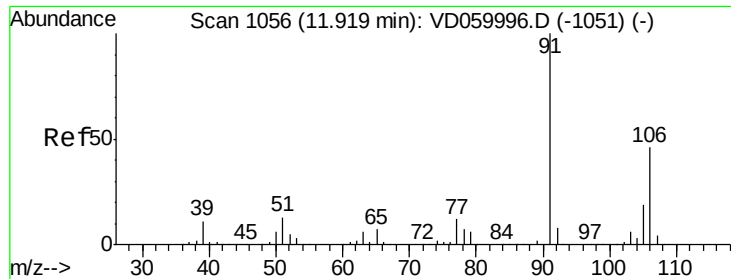
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#68
m/p-Xylenes
Concen: 11.21 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion: 106 Resp: 267710
Ion Ratio Lower Upper
106 100
91 217.9 157.0 235.6





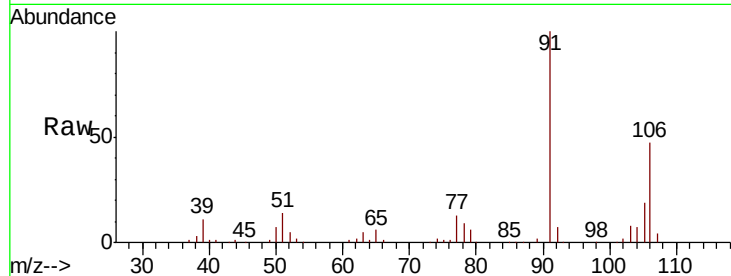
#69
o-Xylene
Concen: 5.52 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

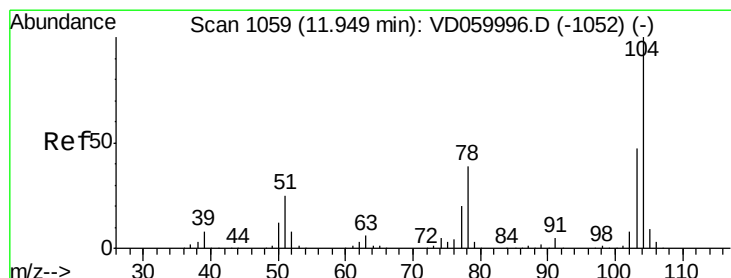
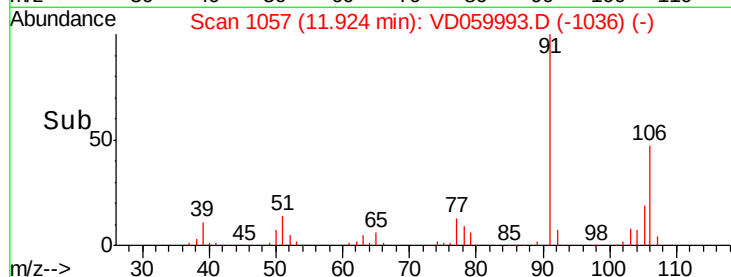
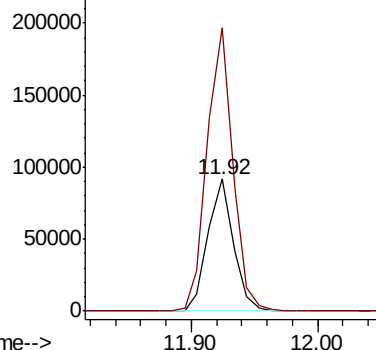
Tot Ion:106 Resp: 128441
Ion Ratio Lower Upper
106 100
91 214.3 107.7 323.1

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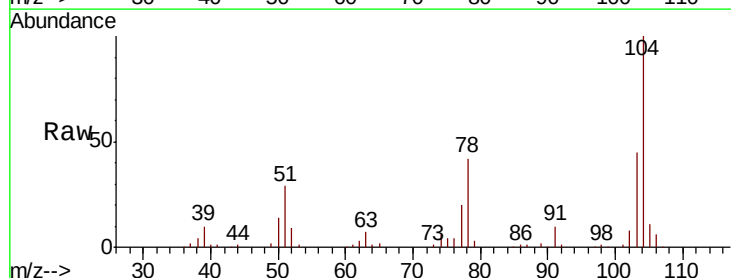


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

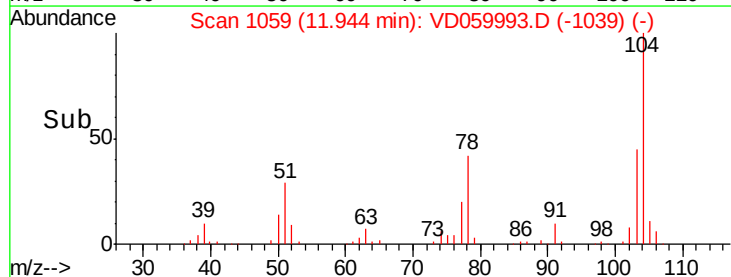
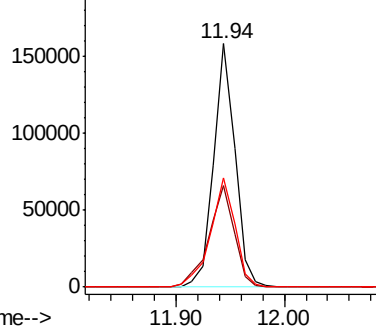


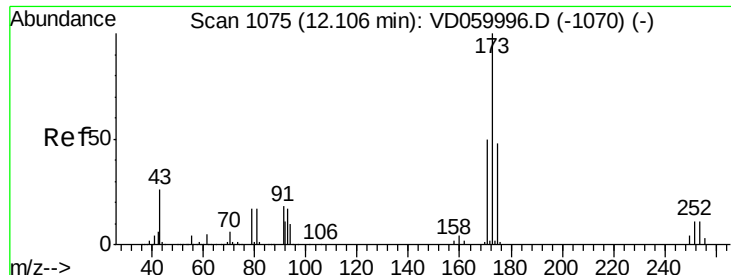
#70
Styrene
Concen: 5.43 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion:104 Resp: 217358
Ion Ratio Lower Upper
104 100
78 41.5 31.0 46.4
103 44.7 37.6 56.4



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





#71

Bromoform

Concen: 4.60 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 55669

Ion Ratio Lower Upper

173 100

175 48.7 24.0 72.0

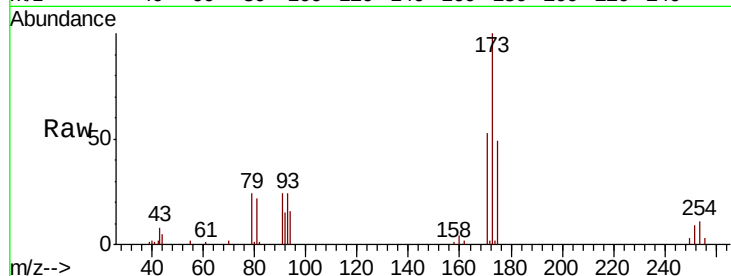
254 10.7 8.6 13.0

Manual Integrations

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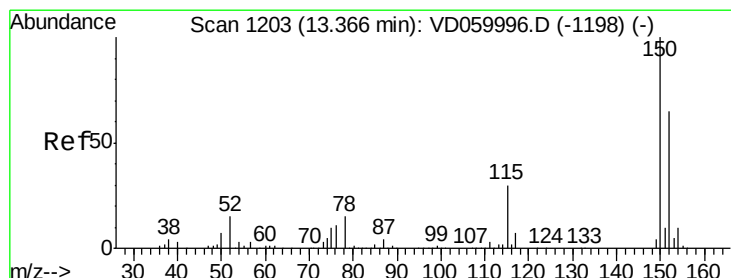
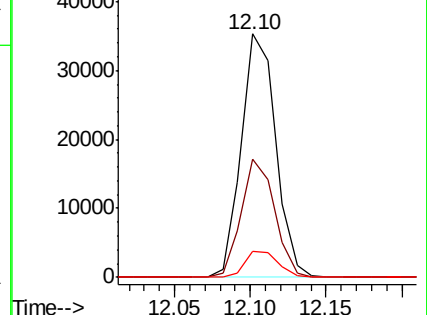
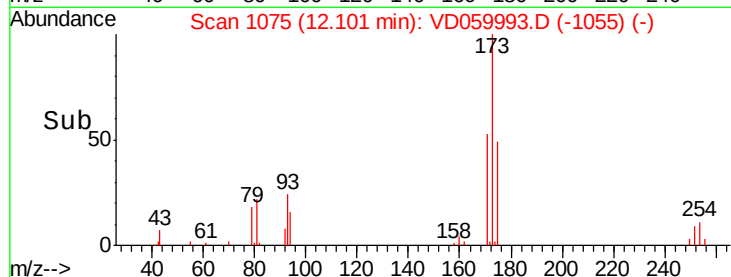
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

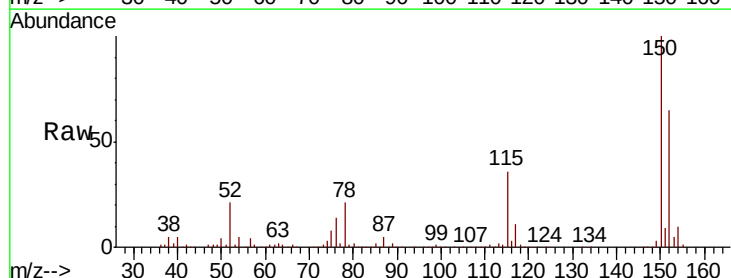
Tgt Ion:152 Resp: 992368

Ion Ratio Lower Upper

152 100

115 55.3 24.6 73.8

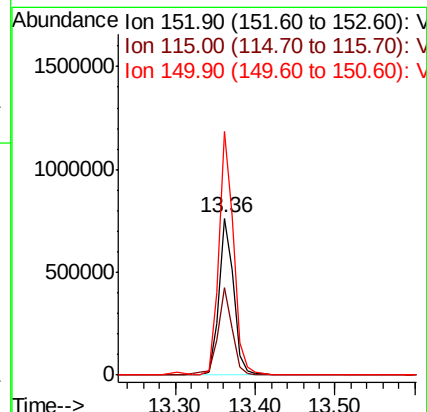
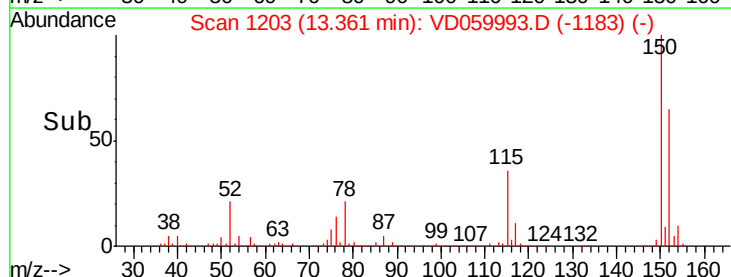
150 155.0 0.0 313.4

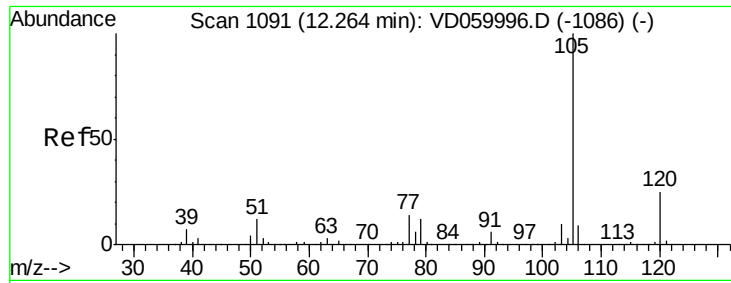


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.48 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampled :

VSTDIC005

Tot Ion: 105 Resp: 353660

Ion Ratio Lower Upper

105 100

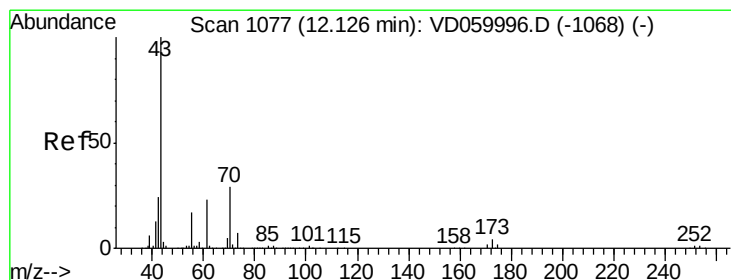
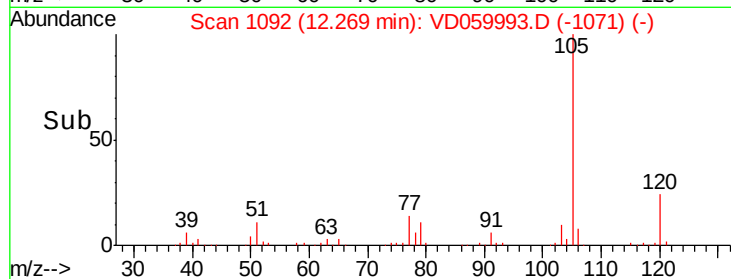
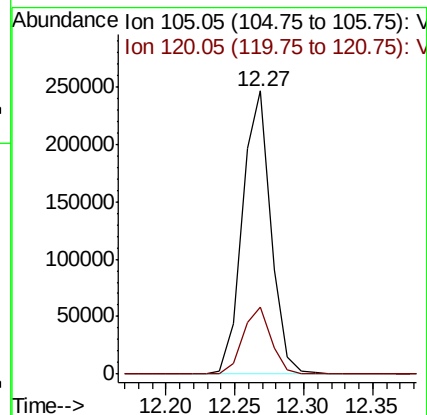
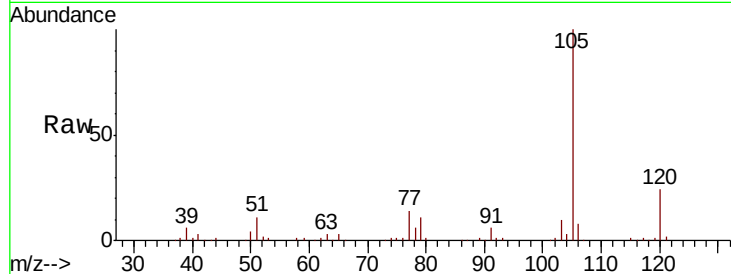
120 23.7 12.3 36.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.80 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Tgt Ion: 43 Resp: 132310

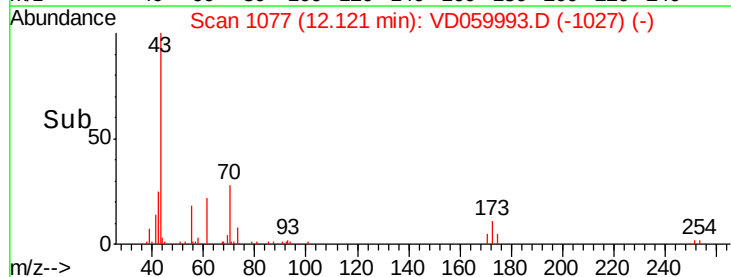
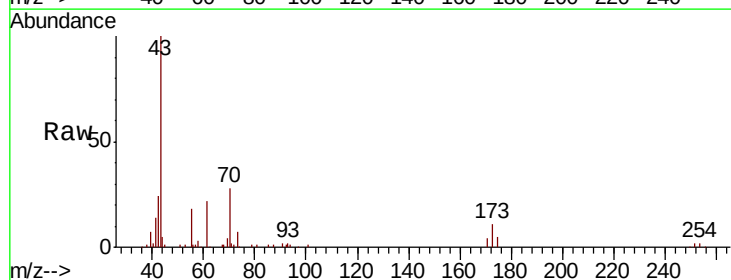
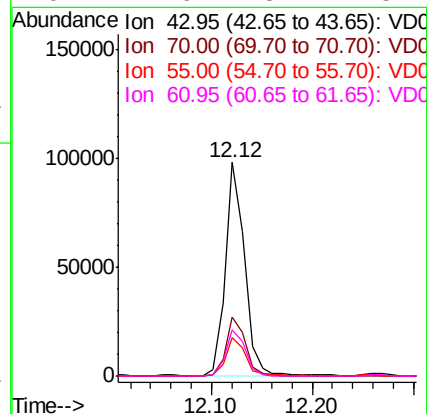
Ion Ratio Lower Upper

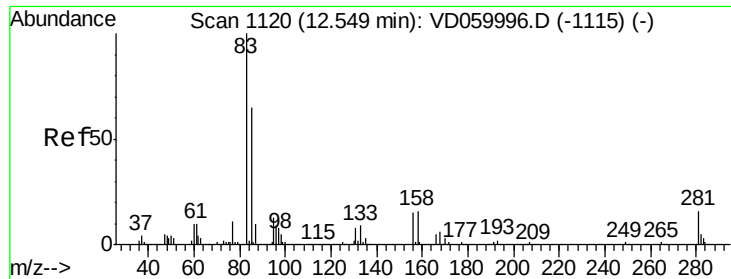
43 100

70 27.8 22.9 34.3

55 18.0 14.0 21.0

61 21.6 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 5.13 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

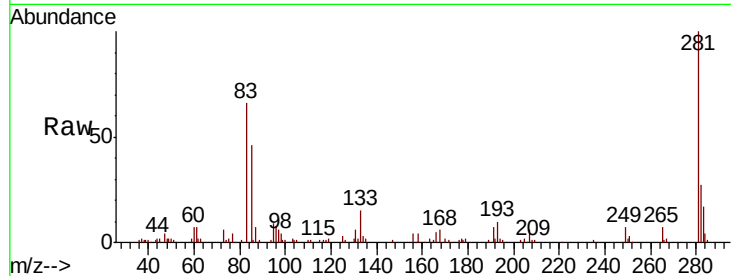
ClientSampleId :

VSTDIC005

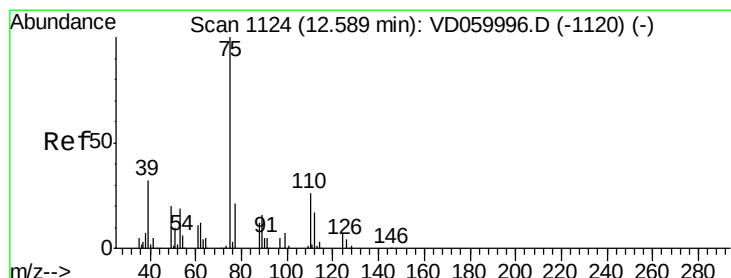
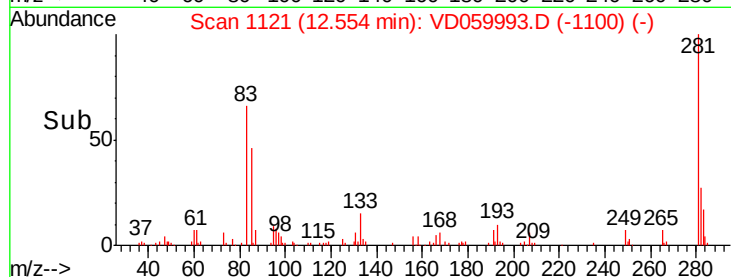
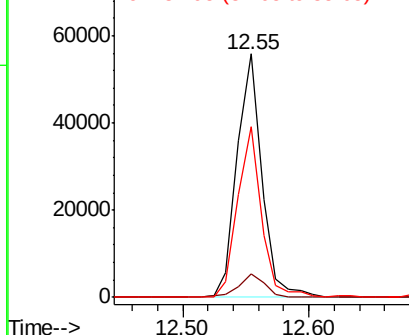
Tot Ion:	83	Resp:	76107
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.1	12.3
85	70.3	32.4	97.2

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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: 5.29 ug/l

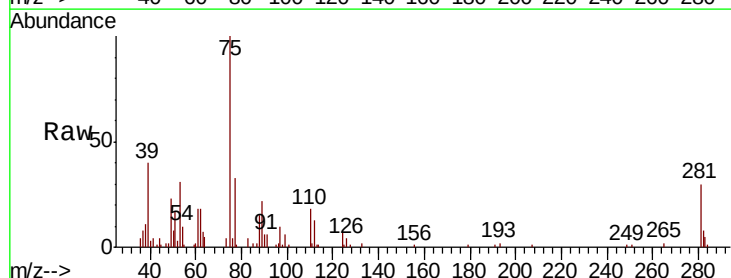
RT: 12.58 min Scan# 1124

Delta R.T. -0.01 min

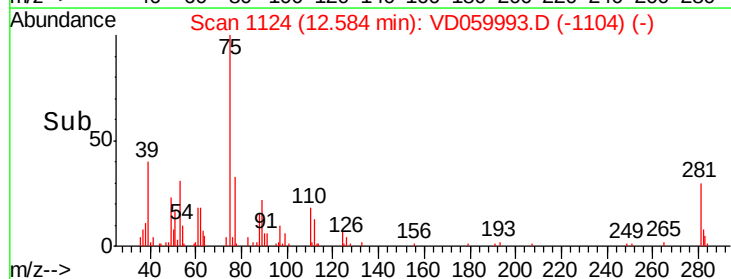
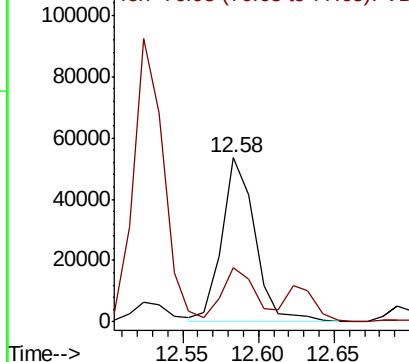
Lab File: VD059993.D

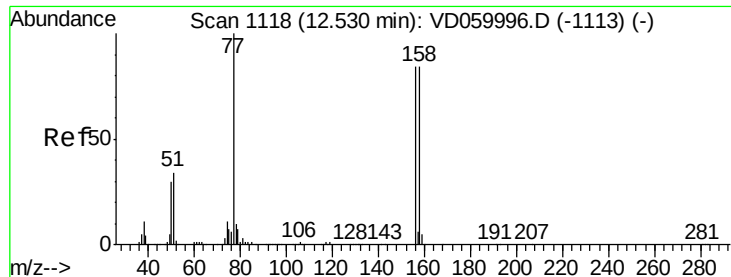
Acq: 13 Sep 2018 11:48

Tgt Ion:	75	Resp:	81767
Ion Ratio	Lower	Upper	
75	100		
77	32.9	16.4	49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





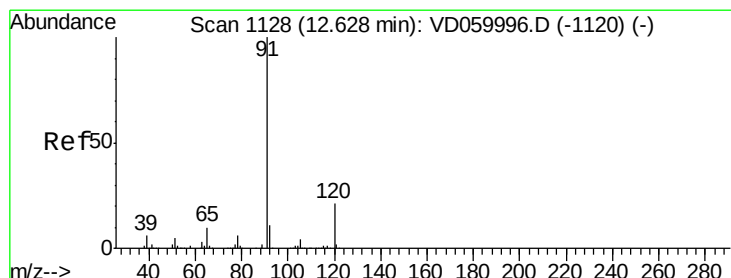
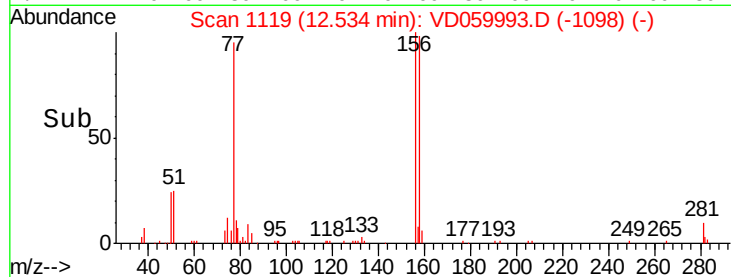
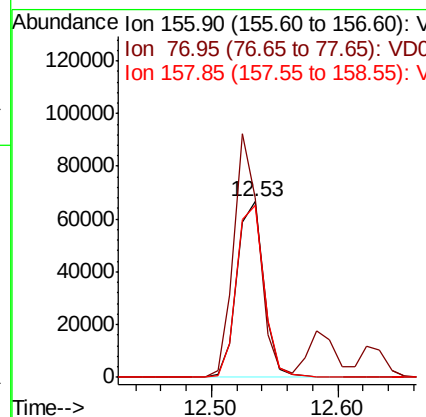
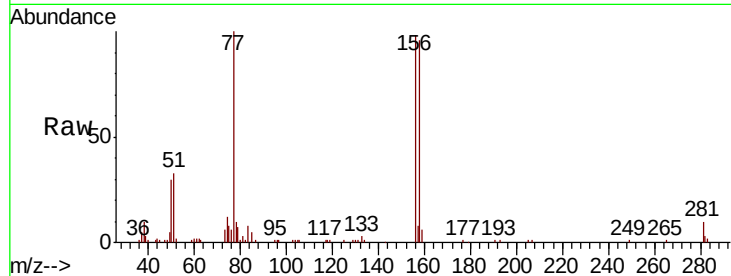
#77
Bromobenzene
Concen: 5.45 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	102.3	59.5	178.4
158	98.1	50.0	149.8

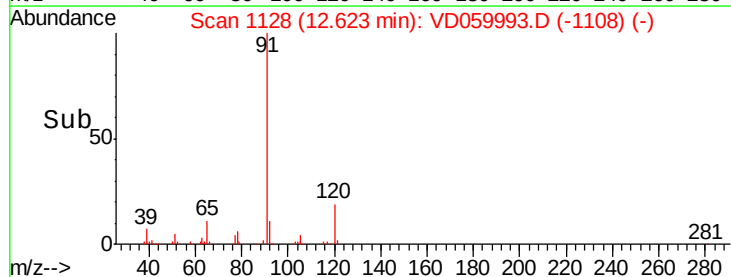
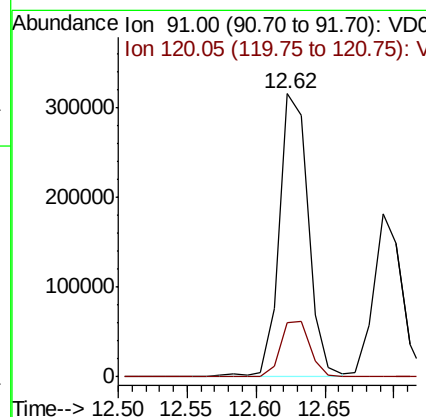
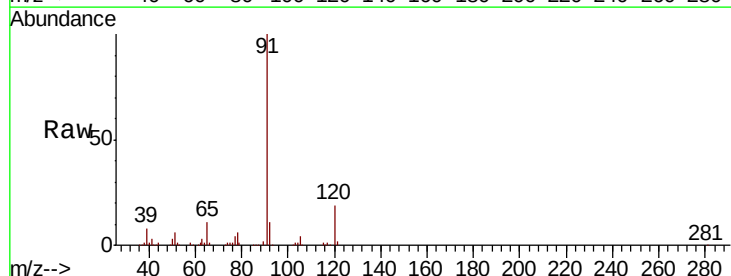
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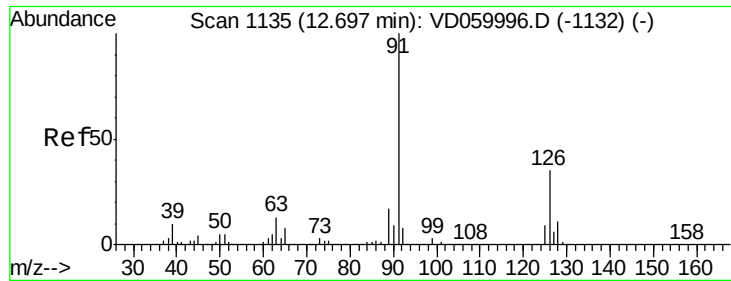
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#78
n-propylbenzene
Concen: 5.66 ug/l
RT: 12.62 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.0	10.7	31.9





#79

2-Chlorotoluene

Concen: 5.60 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD059993.D

Acq: 13 Sep 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 257374

Ion Ratio Lower Upper

91 100

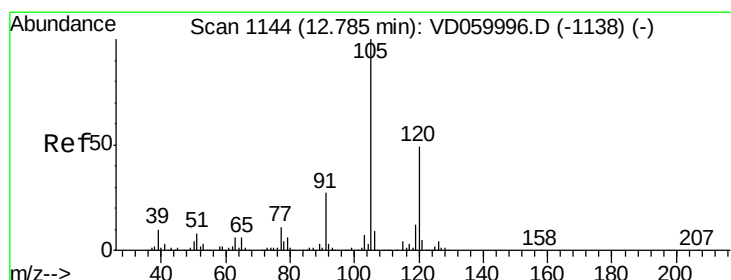
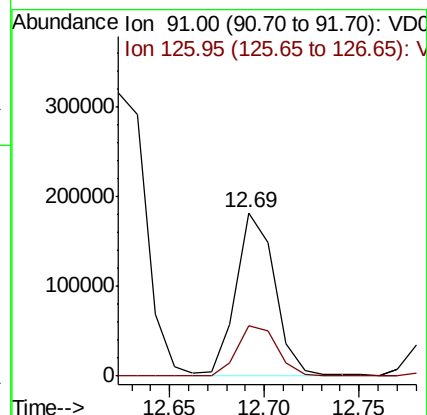
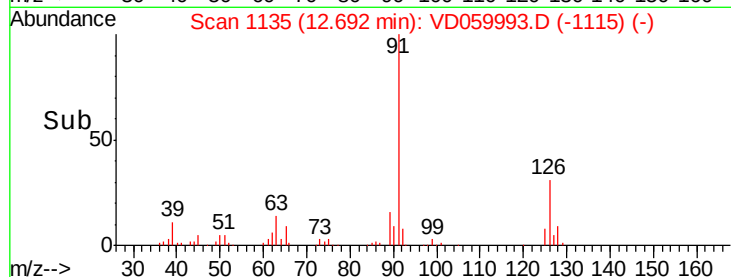
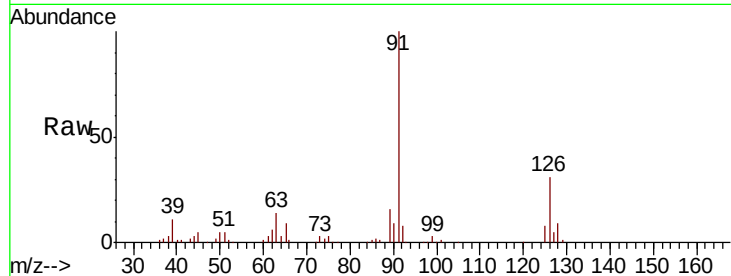
126 30.5 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 5.60 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD059993.D

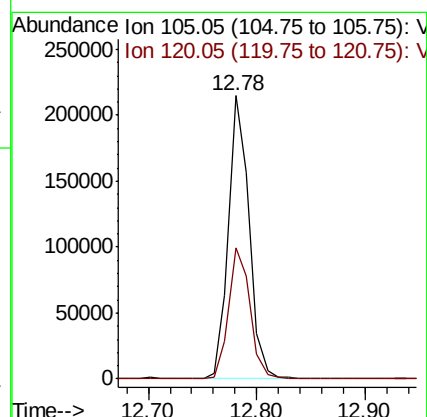
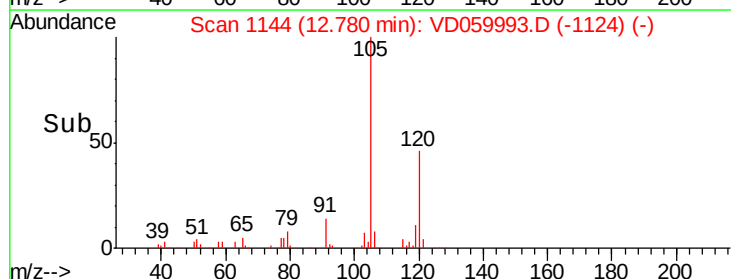
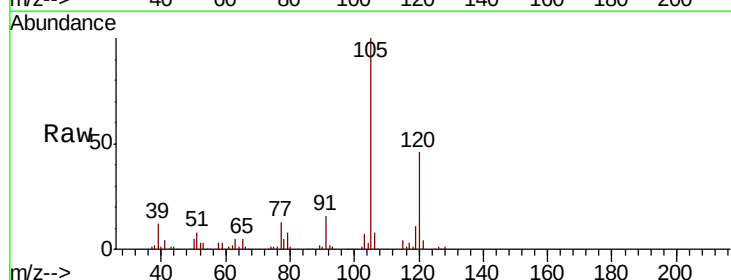
Acq: 13 Sep 2018 11:48

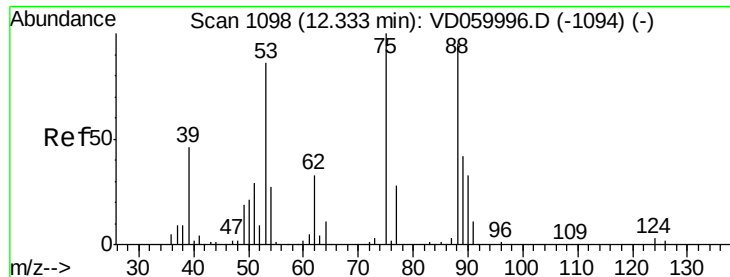
Tgt Ion: 105 Resp: 286270

Ion Ratio Lower Upper

105 100

120 46.4 24.4 73.2





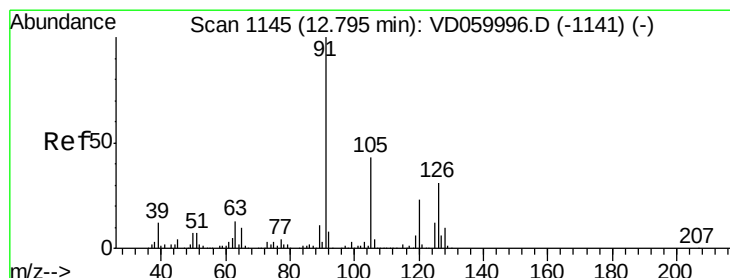
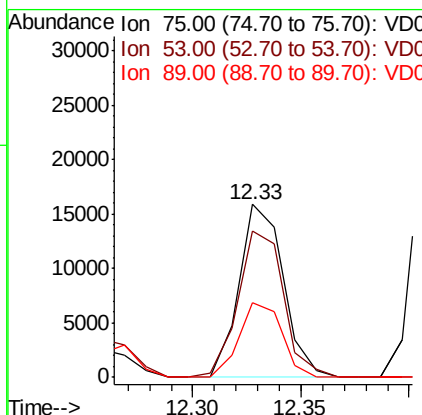
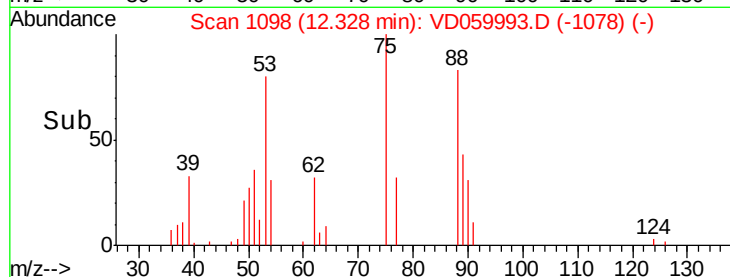
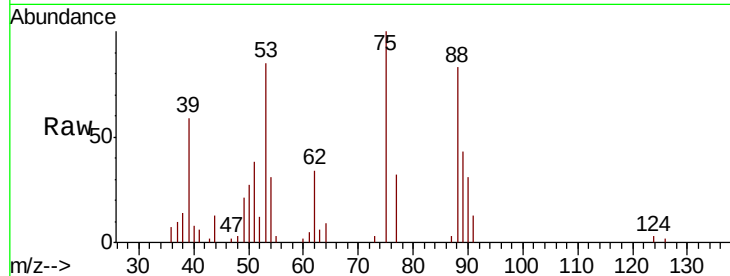
#81
trans-1,4-Dichloro-2-butene
Concen: 4.78 ug/l
RT: 12.33 min Scan# 1098
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.6	68.4	102.6
89	43.3	33.8	50.6

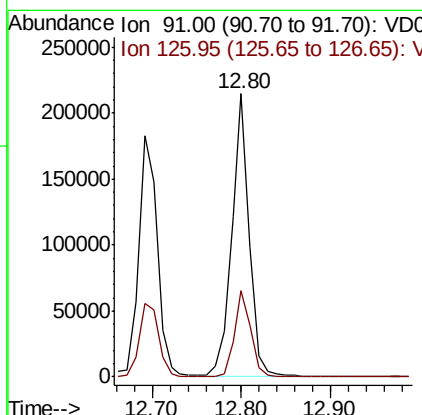
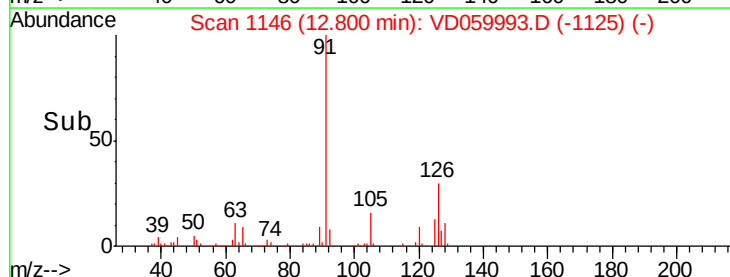
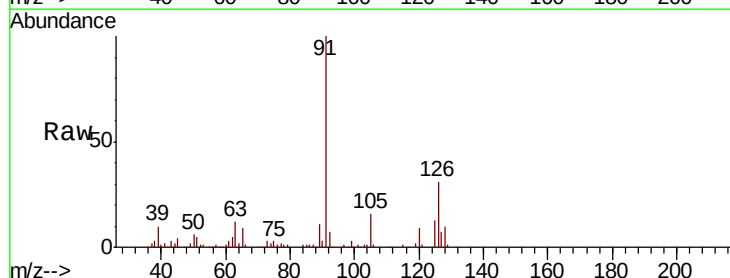
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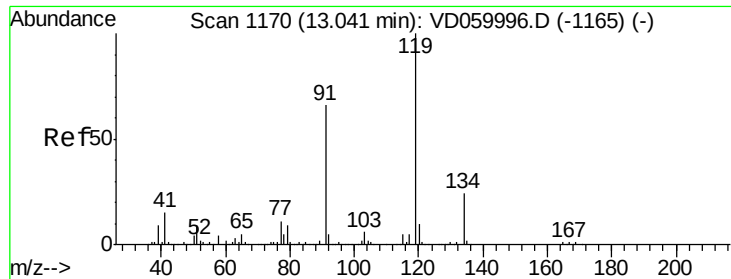
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#82
4-Chlorotoluene
Concen: 5.70 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.4	46.1





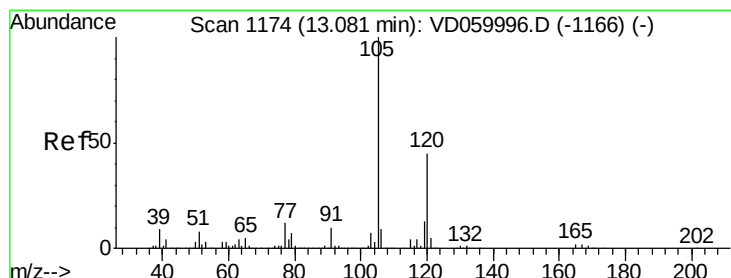
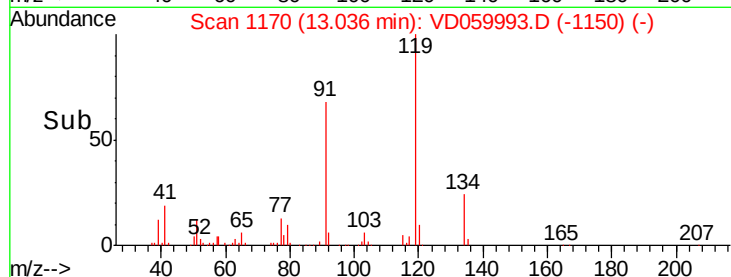
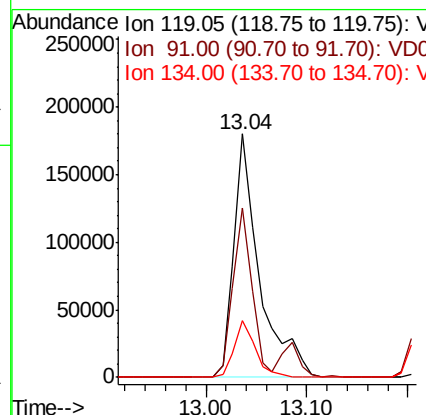
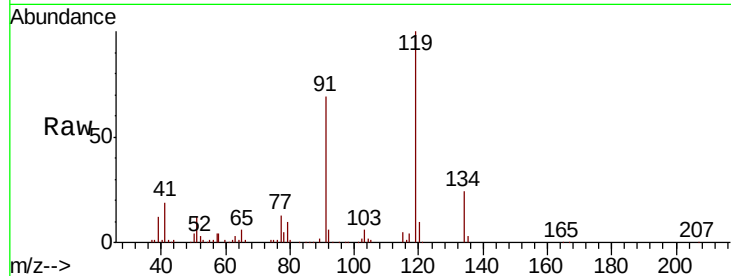
#83
 tert-Butylbenzene
 Concen: 5.50 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		319229		
91	69.4	32.9	98.6		
134	23.6	12.0	36.0		

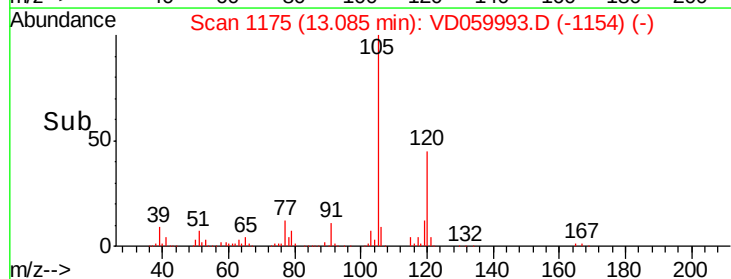
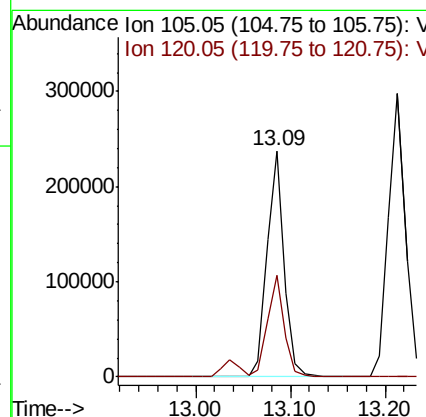
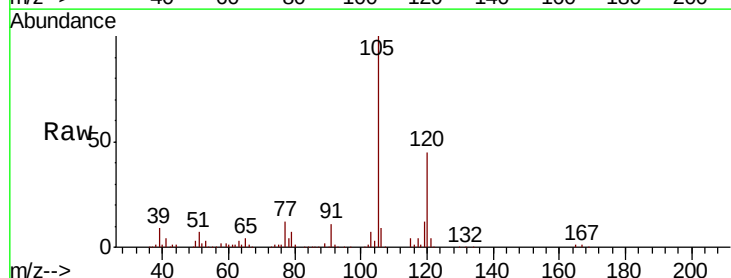
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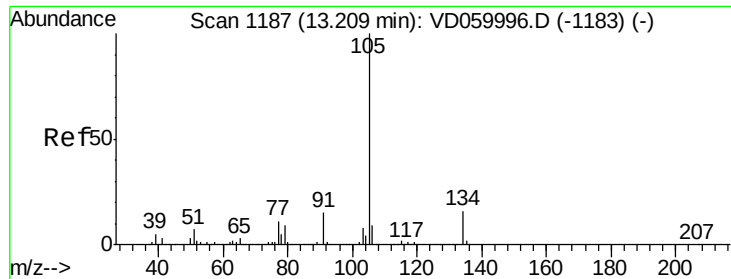
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.69 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		301672		
120	45.0	22.4	67.0		





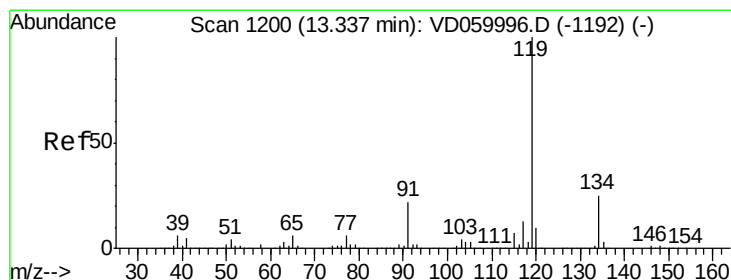
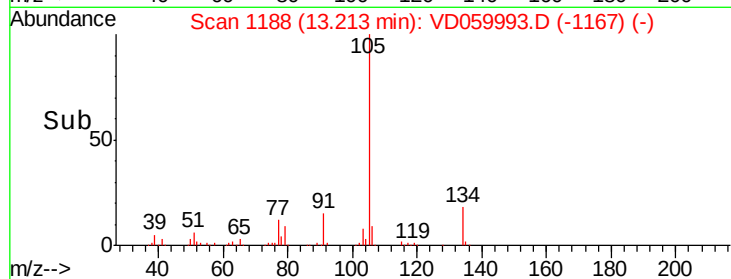
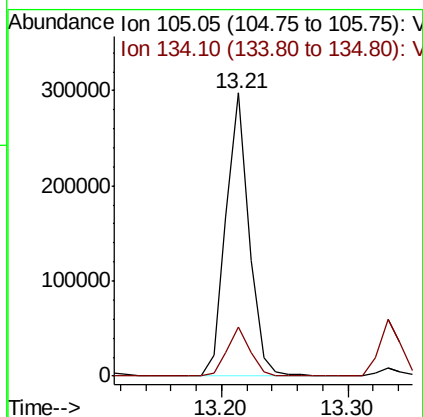
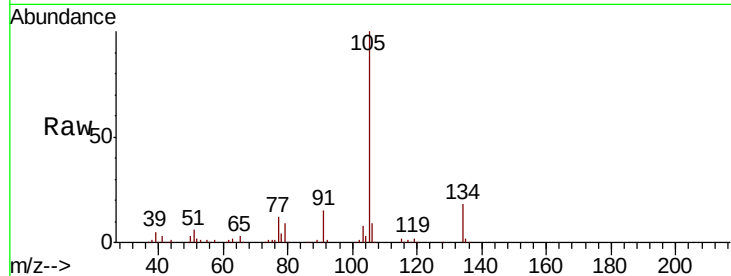
#85
 sec-Butylbenzene
 Concen: 5.51 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	375156		
134	17.6	8.2	24.6	

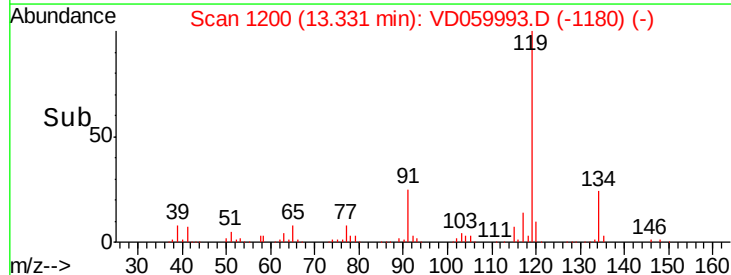
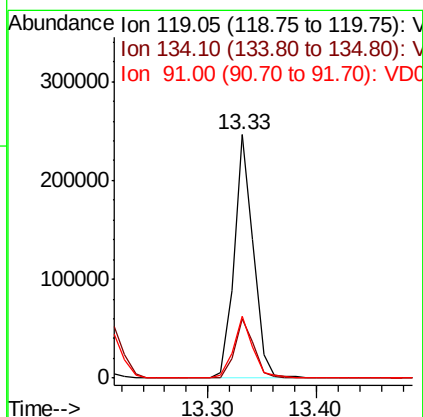
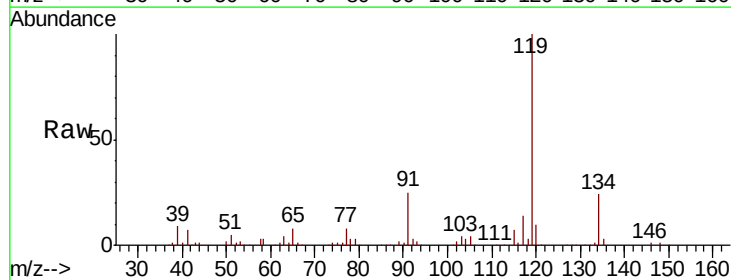
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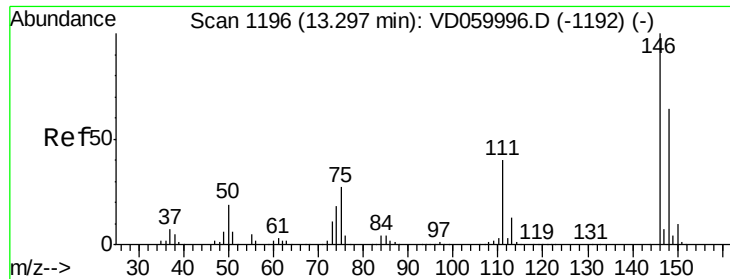
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#86
 p-Isopropyltoluene
 Concen: 5.44 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	303852		
134	24.4	12.8	38.3	
91	25.4	11.1	33.3	





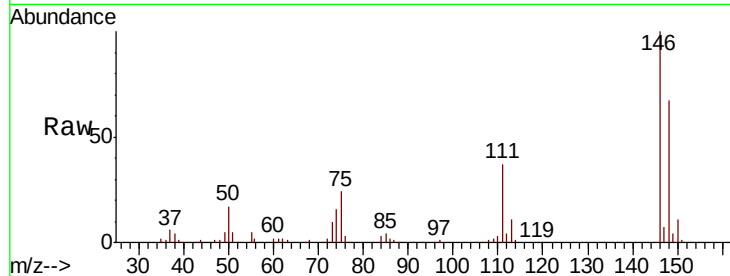
#87
 1,3-Dichlorobenzene
 Concen: 5.64 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

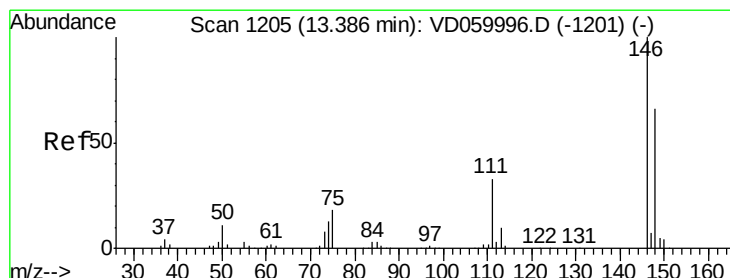
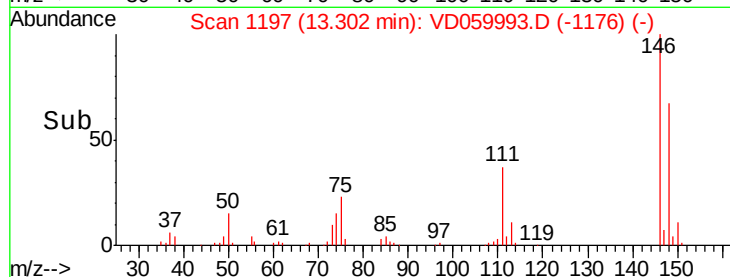
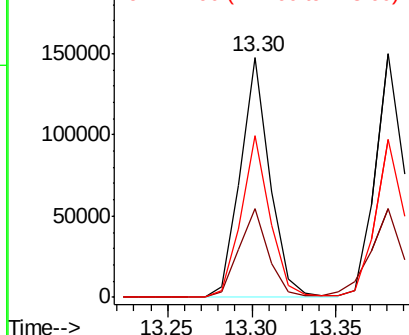
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	20.2	60.5
148	67.3	32.0	96.2

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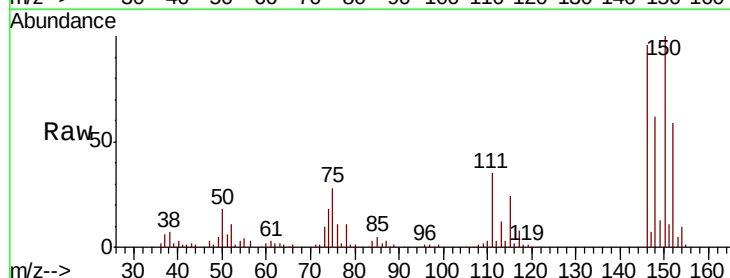


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

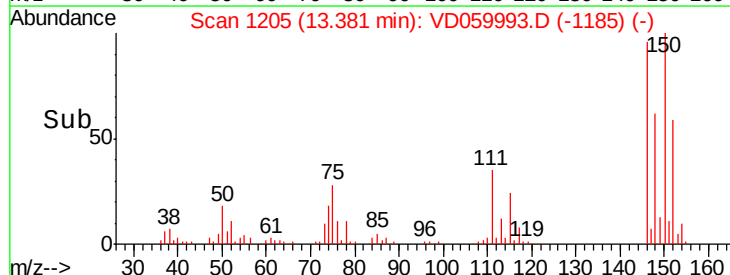
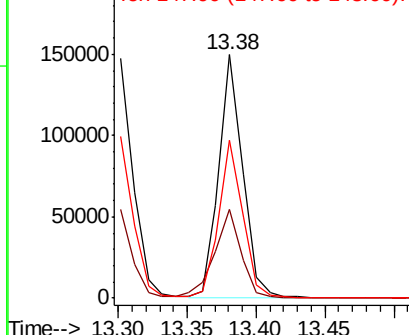


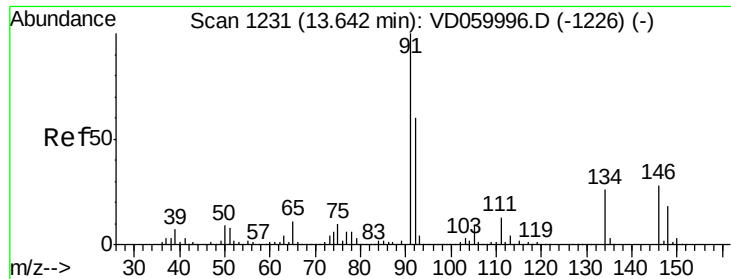
#88
 1,4-Dichlorobenzene
 Concen: 5.66 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	16.7	50.0
148	64.9	32.9	98.6



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





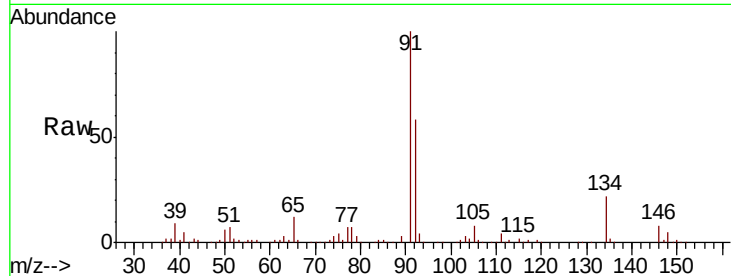
#89
n-Butylbenzene
Concen: 5.88 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

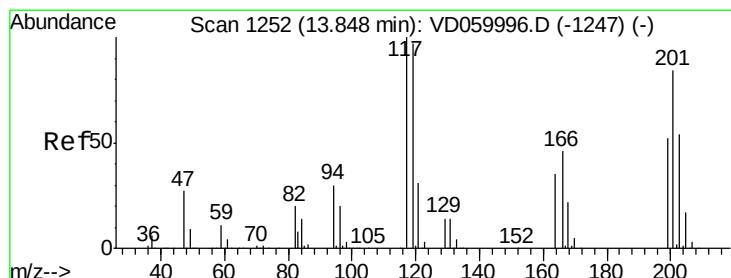
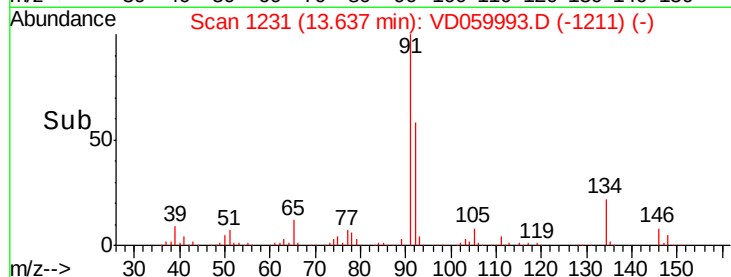
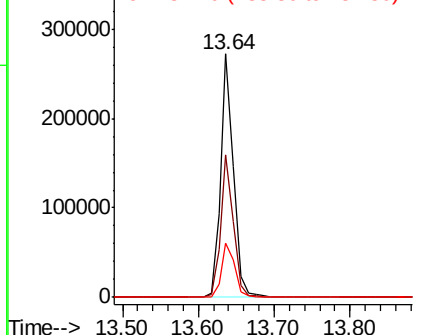
Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		328010		
92	58.4	29.8	89.3		
134	22.2	13.2	39.6		

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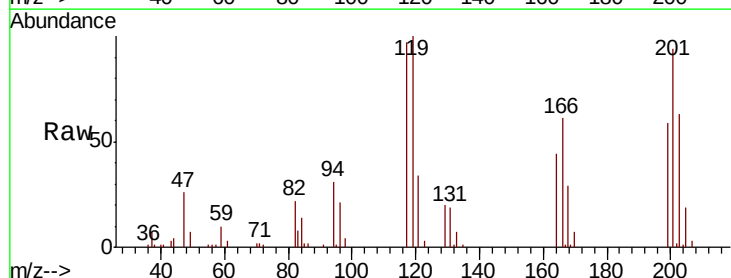


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

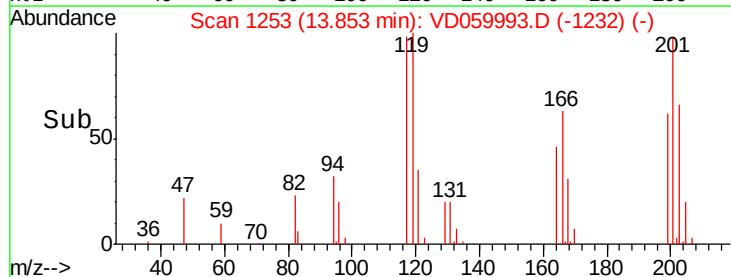
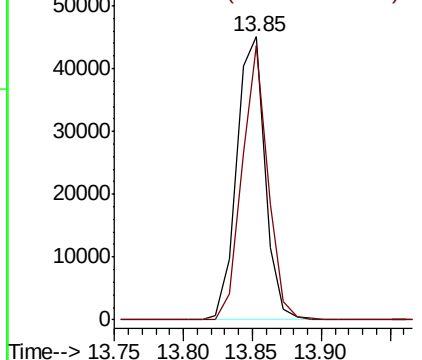


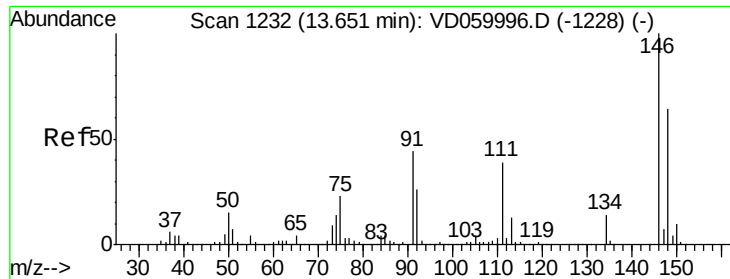
#90
Hexachloroethane
Concen: 4.38 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		64800		
201	96.9	42.1	126.4		



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





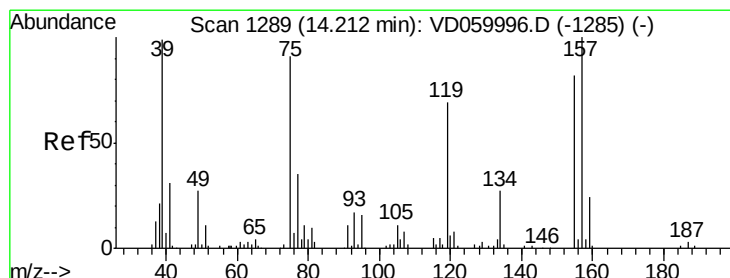
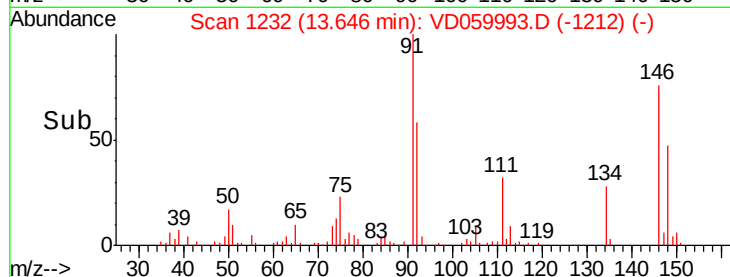
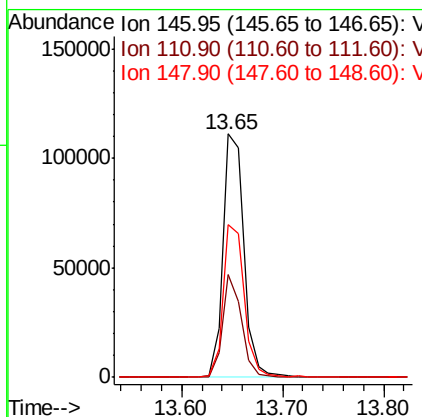
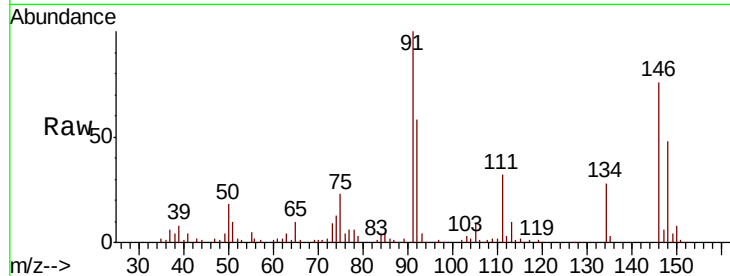
#91
 1,2-Dichlorobenzene
 Concen: 5.98 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.6	58.7
148	62.8	31.9	95.7

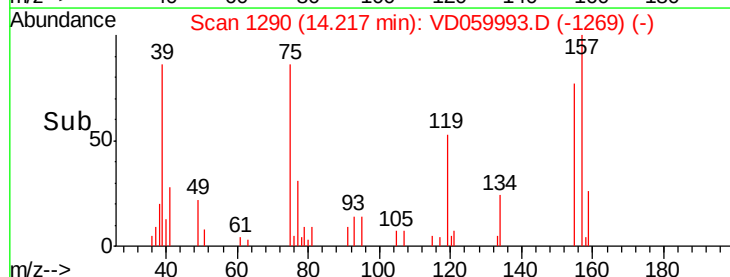
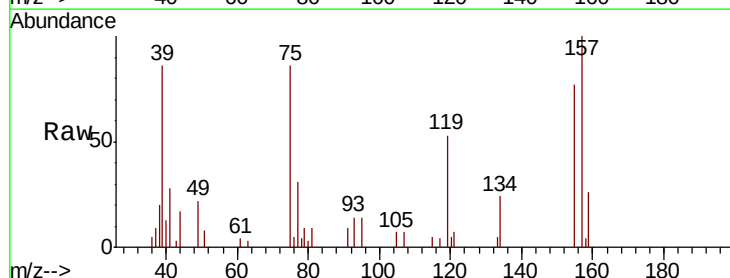
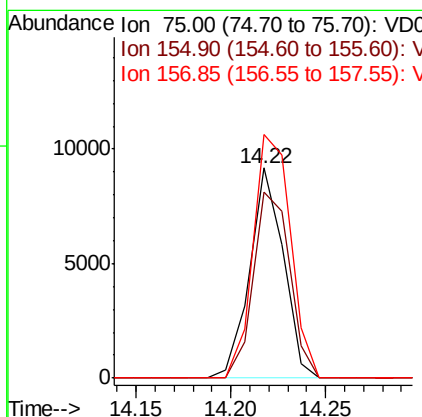
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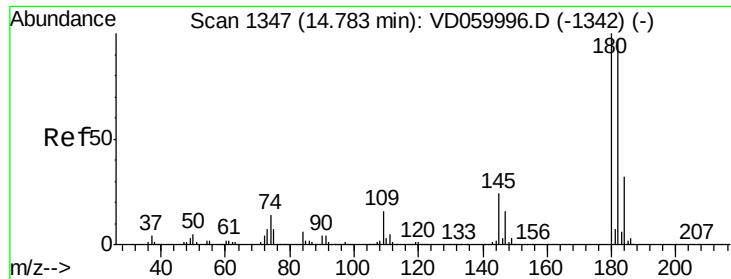
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.09 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	44.7	134.1
157	115.9	54.7	164.1





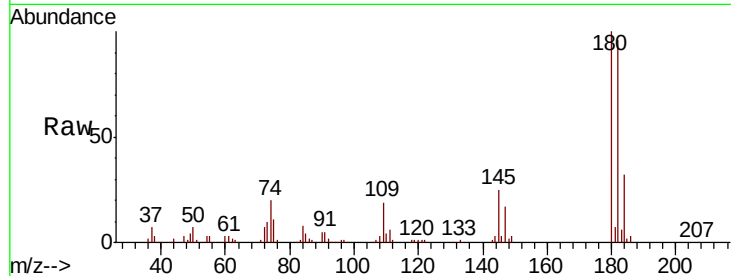
#93
 1,2,4-Trichlorobenzene
 Concen: 5.45 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

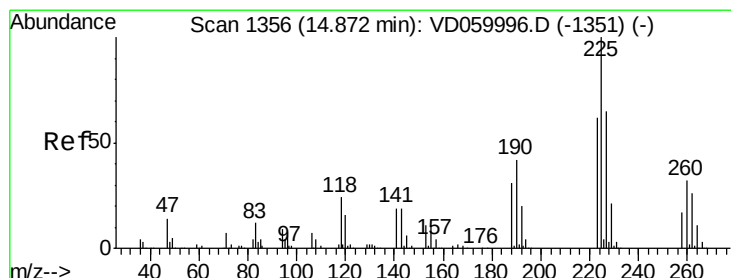
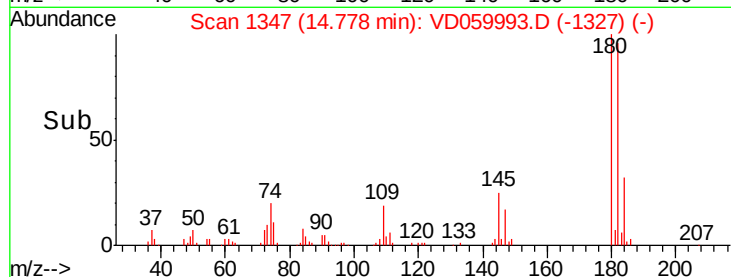
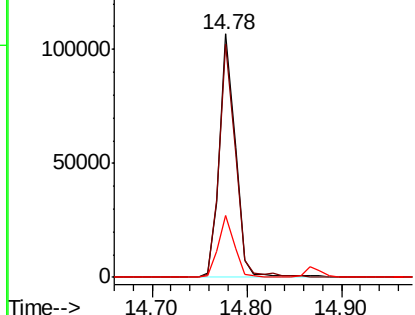
Tot Ion	Ratio	Resp	Lower	Upper
180	100	125961		
182	95.6	48.5	145.6	
145	25.5	11.9	35.7	

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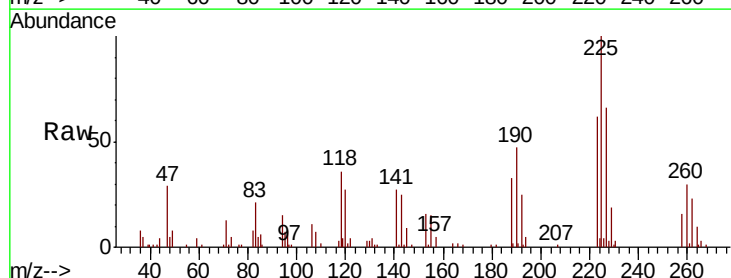


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

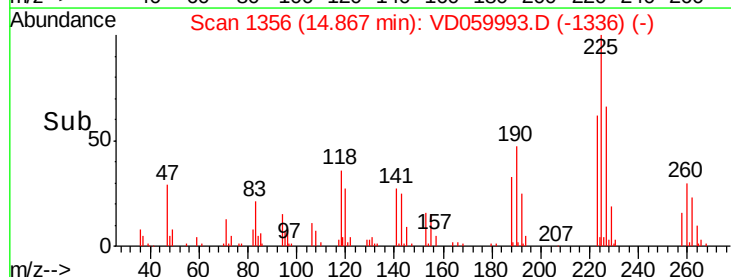
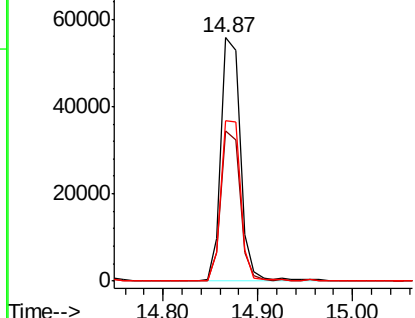


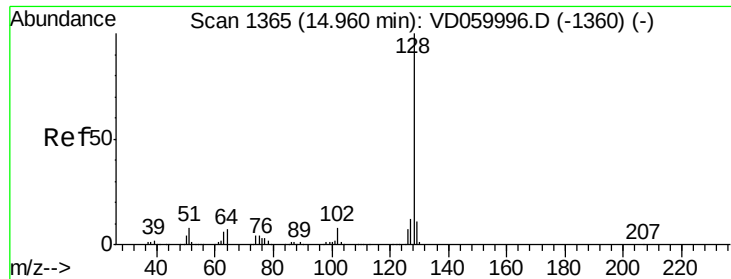
#94
 Hexachlorobutadiene
 Concen: 5.24 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD059993.D
 Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79671		
223	61.6	31.2	93.6	
227	66.0	32.3	96.8	



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





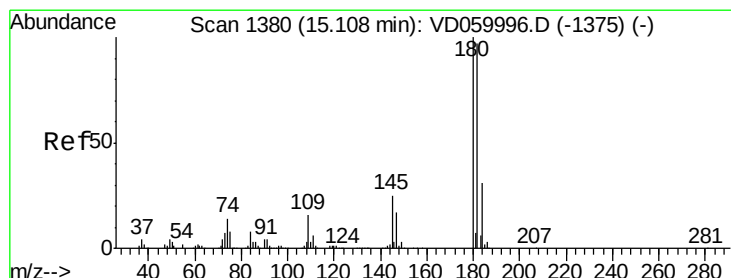
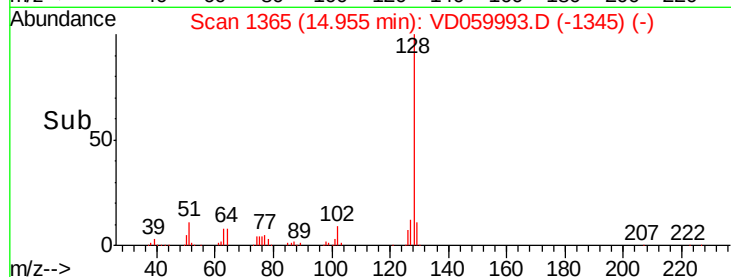
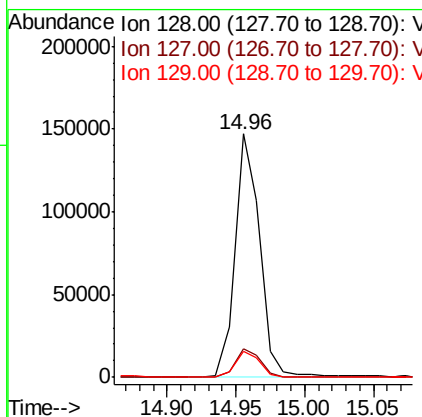
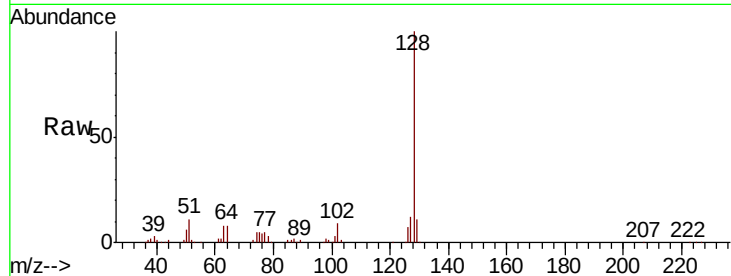
#95
Naphthalene
Concen: 5.19 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
128	100	182652		
127	12.0		9.7	14.5
129	10.8		8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 5.42 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD059993.D
Acq: 13 Sep 2018 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	107402		
182	97.7		48.6	145.9
145	29.2		12.7	38.1

