

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
 Data File : VD060490.D
 Acq On : 5 Dec 2018 14:08
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 12/6/2018 10:48:58 AM

Quant Time: Dec 06 00:55:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 00:38:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1657053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2306754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1867710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	941702	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	121038	10.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.46%	
35) Dibromofluoromethane	6.33	113	171287	10.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.10%	
50) Toluene-d8	9.46	98	486965	9.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.46%	
62) 4-Bromofluorobenzene	12.43	95	175865	9.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.61	85	231294	15.126	ug/l	96
3) Chloromethane	1.78	50	187264	11.794	ug/l	97
4) Vinyl Chloride	1.88	62	149573	11.561	ug/l	92
5) Bromomethane	2.17	94	39980	12.836	ug/l	99
6) Chloroethane	2.28	64	47664	11.210	ug/l	99
7) Trichlorofluoromethane	2.53	101	167092	10.935	ug/l	94
8) Diethyl Ether	2.85	74	27882	10.154	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.11	101	106667	10.756	ug/l	98
10) Methyl Iodide	3.26	142	119152	9.310	ug/l	97
11) Tert butyl alcohol	3.99	59	26151	53.941	ug/l #	90
12) 1,1-Dichloroethene	3.10	96	89335	11.066	ug/l	92
13) Acrolein	3.01	56	30576	53.990	ug/l	98
14) Allyl chloride	3.56	41	164614	10.616	ug/l	98
15) Acrylonitrile	4.10	53	139728	49.390	ug/l	96
16) Acetone	3.18	43	97596	47.631	ug/l	99
17) Carbon Disulfide	3.33	76	278803	10.635	ug/l	98
18) Methyl Acetate	3.57	43	46571	10.493	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	242705	10.075	ug/l	99
20) Methylene Chloride	3.74	84	231704	12.586	ug/l	99
21) trans-1,2-Dichloroethene	4.12	96	188515	10.464	ug/l	99
22) Diisopropyl ether	4.87	45	578091	10.028	ug/l	96
23) Vinyl Acetate	4.82	43	1439471	50.000	ug/l	100
24) 1,1-Dichloroethane	4.77	63	303441	10.229	ug/l	100
25) 2-Butanone	5.63	43	180808	42.927	ug/l	95
26) 2,2-Dichloropropane	5.60	77	234743	10.228	ug/l	99
27) cis-1,2-Dichloroethene	5.61	96	186428	9.977	ug/l	91
28) Bromochloromethane	5.94	49	132875	10.152	ug/l	99
29) Tetrahydrofuran	5.96	42	107508	47.882	ug/l	99
30) Chloroform	6.12	83	304846	10.278	ug/l	96
31) Cyclohexane	6.38	56	300946	10.656	ug/l	96
32) 1,1,1-Trichloroethane	6.30	97	248245	9.966	ug/l	98
36) 1,1-Dichloropropene	6.53	75	238445	10.457	ug/l	98
37) Ethyl Acetate	5.71	43	103158	9.877	ug/l	99
38) Carbon Tetrachloride	6.51	117	210435	10.003	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	267403	10.224	ug/l	98
40) Benzene	6.81	78	617106	10.635	ug/l	99
41) Methacrylonitrile	5.93	41	61079m	5.658	ug/l	
42) 1,2-Dichloroethane	6.91	62	154335	10.222	ug/l	100
43) Isopropyl Acetate	8.35	43	121415	9.334	ug/l #	96
44) Trichloroethene	7.75	130	173924	9.880	ug/l	95
45) 1,2-Dichloropropane	8.11	63	147279	10.088	ug/l	100
46) Dibromomethane	8.22	93	86332	10.078	ug/l	93
47) Bromodichloromethane	8.50	83	196030	9.751	ug/l	97
48) Methyl methacrylate	8.25	41	69471	8.756	ug/l	99
49) 1,4-Dioxane	8.23	88	12869	185.691	ug/l #	89
51) 4-Methyl-2-Pentanone	9.35	43	378758	44.680	ug/l	98
52) Toluene	9.55	92	374836	10.124	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	160426	9.487	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	213373	9.758	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	104372	9.735	ug/l	98
56) Ethyl methacrylate	10.03	69	89044	9.095	ug/l	92
57) 1,3-Dichloropropane	10.39	76	162796	10.003	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	302110	51.286	ug/l	99
59) 2-Hexanone	10.49	43	260718	43.394	ug/l	96
60) Dibromochloromethane	10.64	129	125401	9.638	ug/l	99
61) 1,2-Dibromoethane	10.76	107	103098	9.612	ug/l	94
64) Tetrachloroethene	10.25	164	164376	9.831	ug/l	94
65) Chlorobenzene	11.31	112	402578	9.977	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	135347	10.257	ug/l	96
67) Ethyl Benzene	11.43	91	719200	10.382	ug/l	97
68) m/p-Xylenes	11.57	106	535132	20.994	ug/l	95
69) o-Xylene	11.93	106	243338	9.891	ug/l	90
70) Styrene	11.95	104	386616	9.674	ug/l	95
71) Bromoform	12.12	173	78126	8.782	ug/l	99
73) Isopropylbenzene	12.28	105	685519	9.957	ug/l	99
74) N-amyl acetate	12.13	43	150943	8.602	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.56	83	106458	9.554	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	107532	9.586	ug/l	94
77) Bromobenzene	12.54	156	174021	9.560	ug/l	93
78) n-propylbenzene	12.64	91	874045	10.237	ug/l	99
79) 2-Chlorotoluene	12.71	91	474243	10.091	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	523841	9.872	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	28406	8.889	ug/l	95
82) 4-Chlorotoluene	12.81	91	531695	10.108	ug/l	90
83) tert-Butylbenzene	13.05	119	581813	9.849	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	546365	10.278	ug/l	100
85) sec-Butylbenzene	13.22	105	726885	10.078	ug/l	97
86) p-Isopropyltoluene	13.34	119	577694	9.961	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	322831	9.979	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	322398	10.224	ug/l	96
89) n-Butylbenzene	13.65	91	622500	10.488	ug/l	96
90) Hexachloroethane	13.86	117	136530	9.785	ug/l	91
91) 1,2-Dichlorobenzene	13.67	146	277677	10.471	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	12544	9.354	ug/l	98

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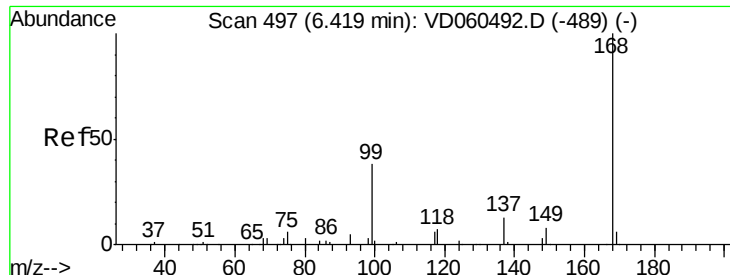
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	200187	9.530	ug/l	96
94) Hexachlorobutadiene	14.89	225	152803	9.766	ug/l	98
95) Naphthalene	14.96	128	232430	9.015	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	160660	9.571	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 168 Resp: 1657053

Ion Ratio Lower Upper

168 100

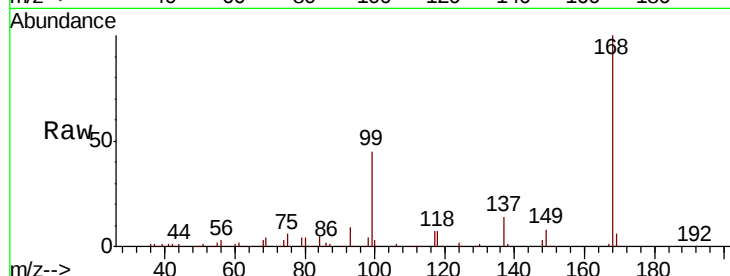
99 45.0 35.6 53.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

600000

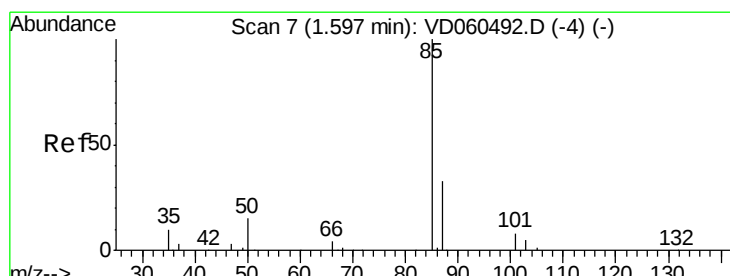
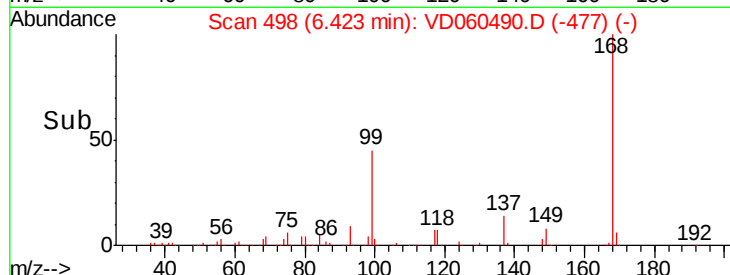
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 15.126 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060490.D

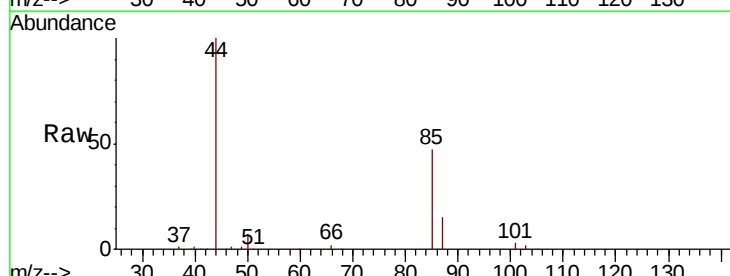
Acq: 5 Dec 2018 14:08

Tgt Ion: 85 Resp: 231294

Ion Ratio Lower Upper

85 100

87 30.9 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

100000

80000

60000

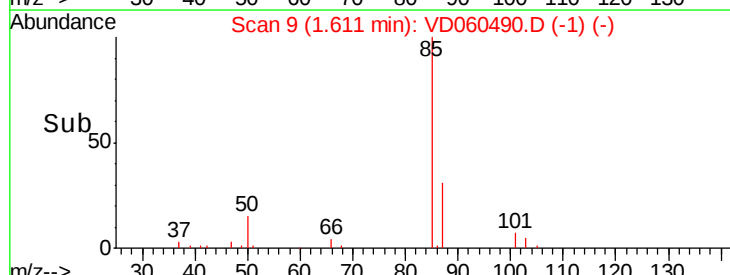
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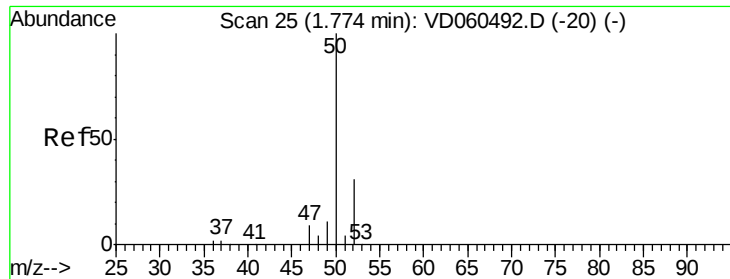
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 11.794 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 50 Resp: 187264

Ion Ratio Lower Upper

50 100

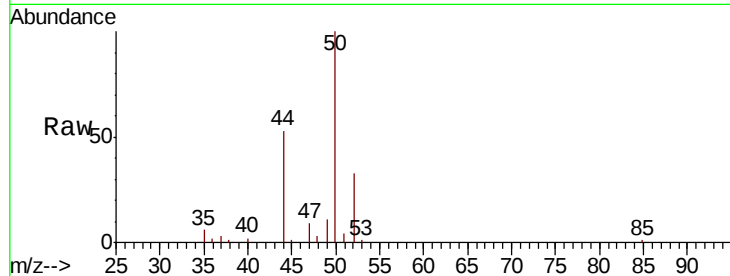
52 32.8 25.0 37.4

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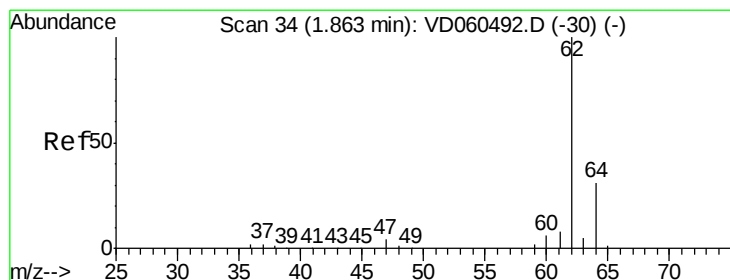
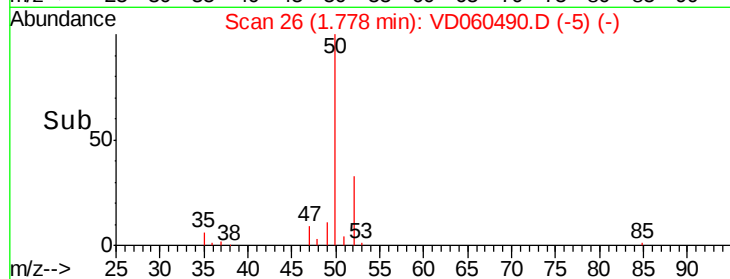
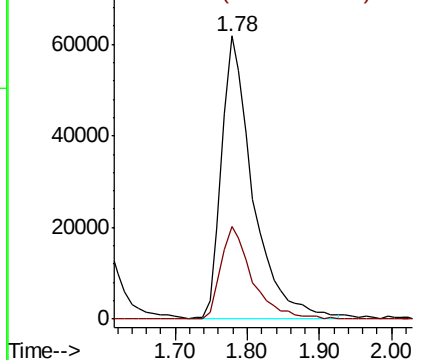
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 11.561 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.01 min

Lab File: VD060490.D

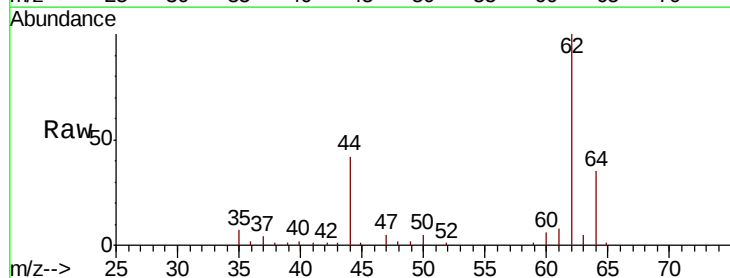
Acq: 5 Dec 2018 14:08

Tgt Ion: 62 Resp: 149573

Ion Ratio Lower Upper

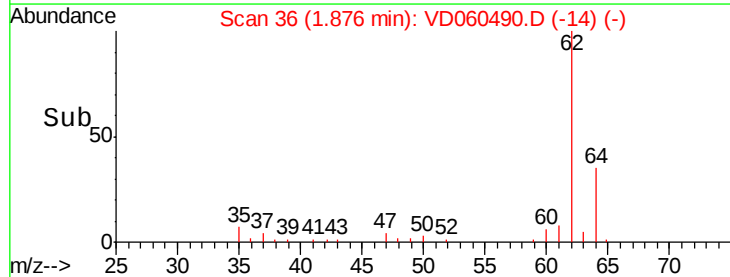
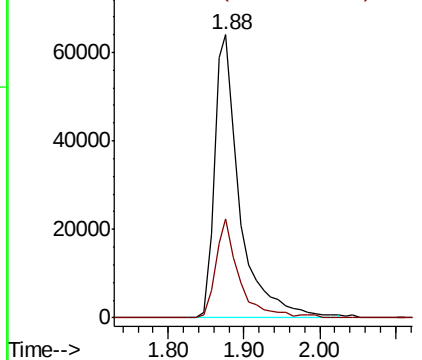
62 100

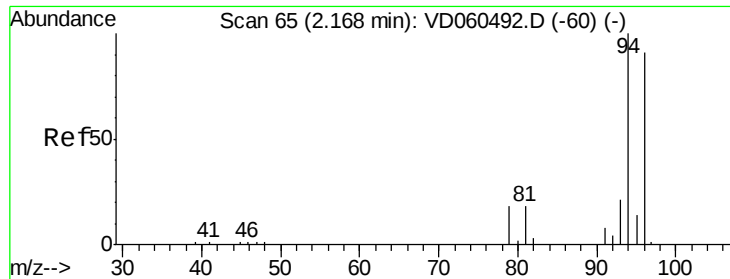
64 34.9 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 12.836 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 94 Resp: 39980

Ion Ratio Lower Upper

94 100

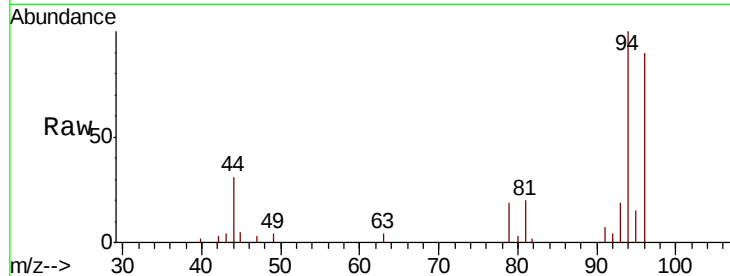
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Manual Integrations

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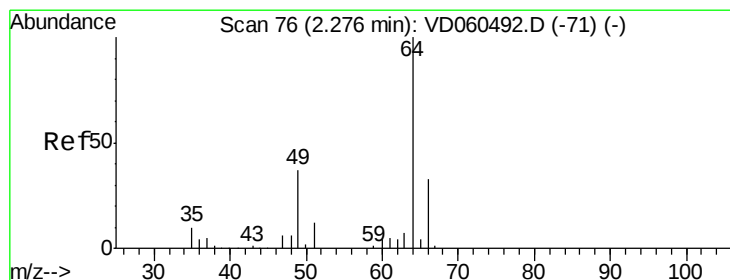
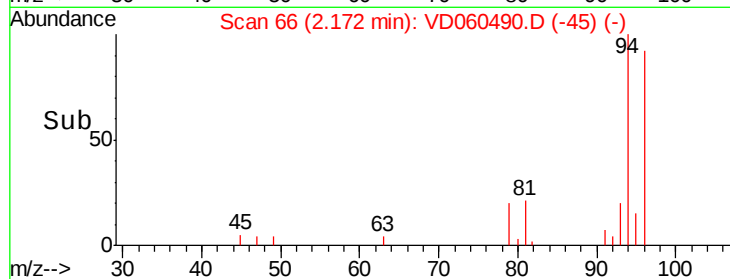
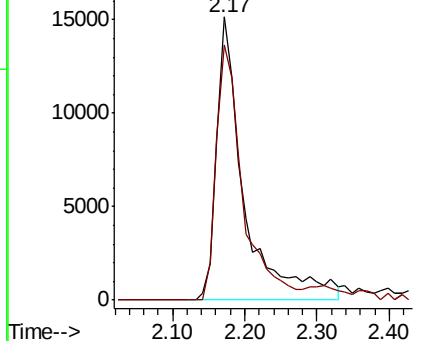
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.210 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.00 min

Lab File: VD060490.D

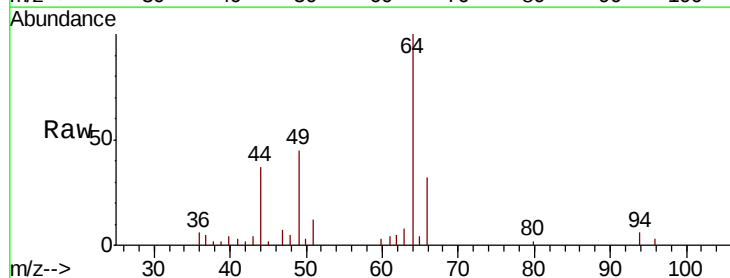
Acq: 5 Dec 2018 14:08

Tgt Ion: 64 Resp: 47664

Ion Ratio Lower Upper

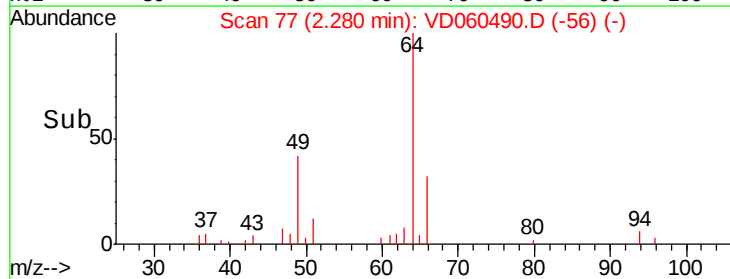
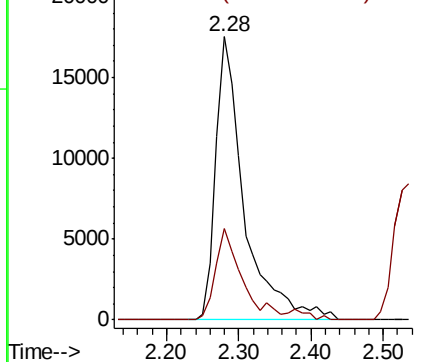
64 100

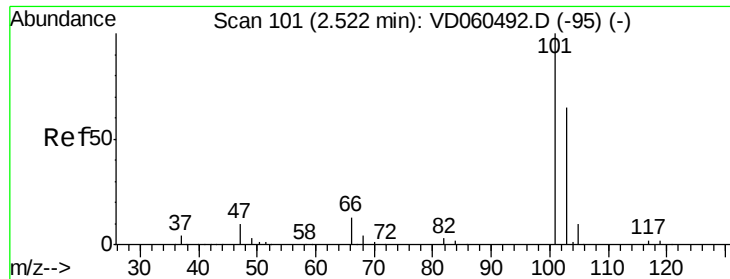
66 32.4 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

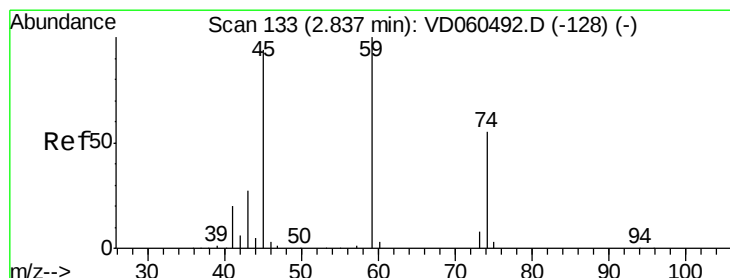
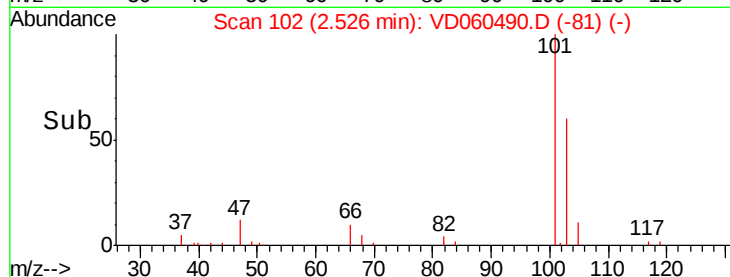
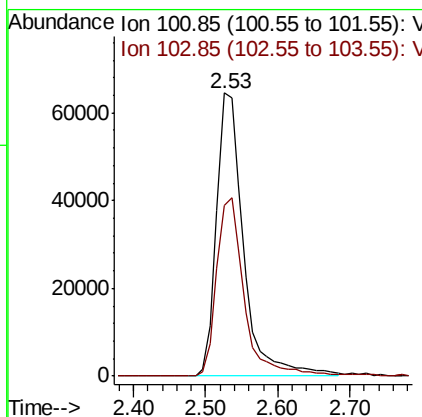
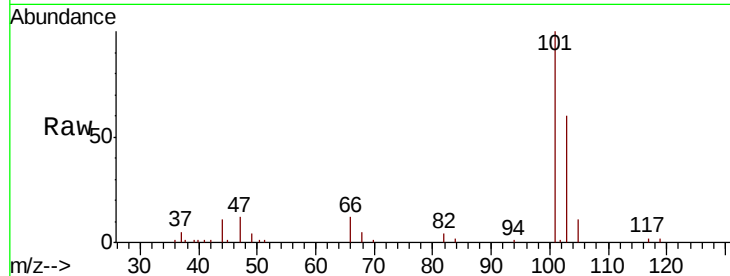
Trichlorofluoromethane
 Concen: 10.935 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

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 ClientSampleID :
 VSTDIC010

Tgt Ion: 101 Resp: 167092
 Ion Ratio Lower Upper
 101 100
 103 60.2 51.8 77.8

Manual Integrations
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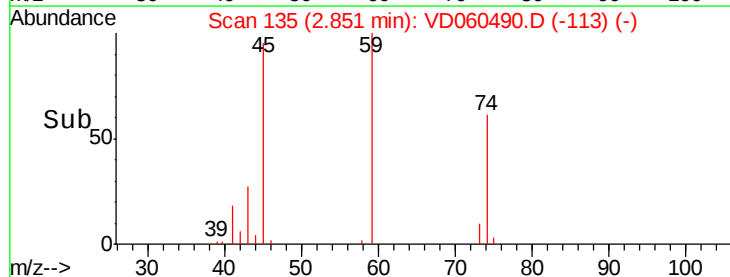
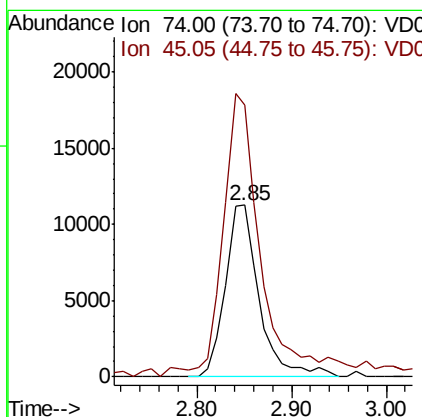
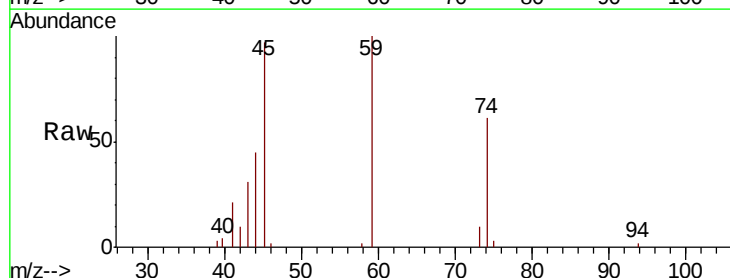
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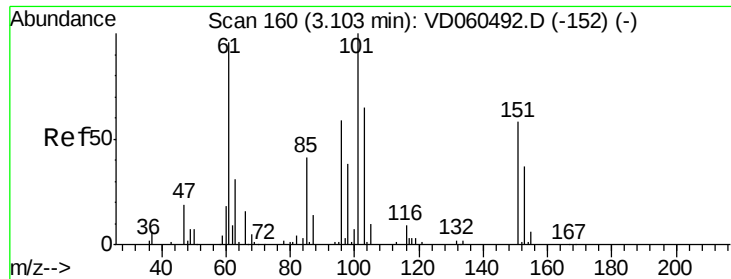


#8

Diethyl Ether
 Concen: 10.154 ug/l
 RT: 2.85 min Scan# 135
 Delta R.T. 0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion: 74 Resp: 27882
 Ion Ratio Lower Upper
 74 100
 45 158.4 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.756 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

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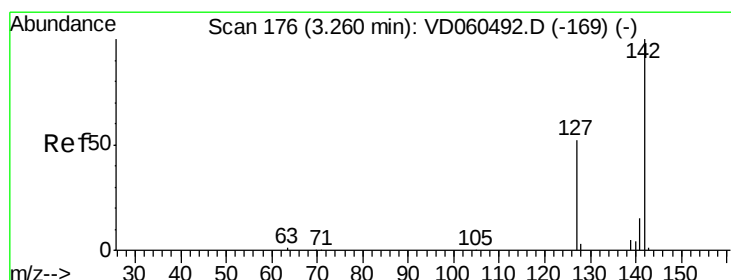
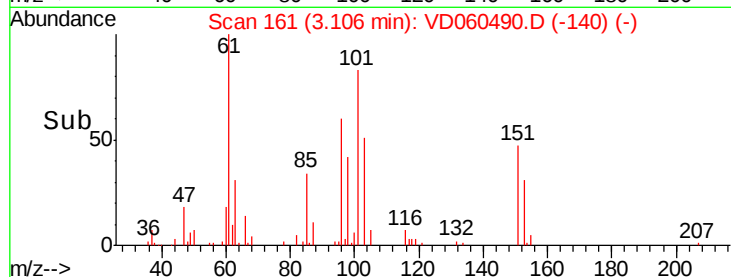
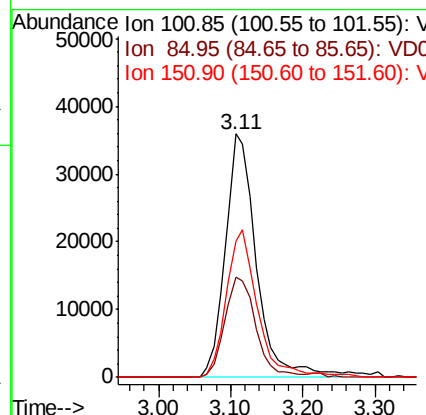
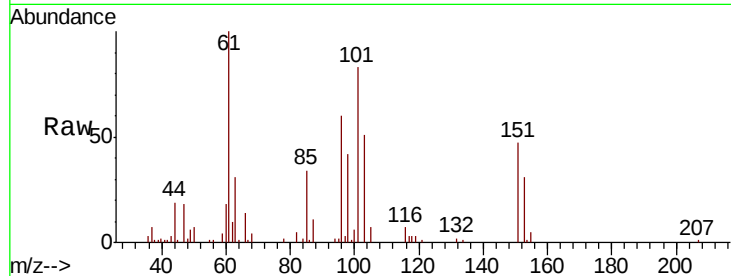
ClientSampleId :

VSTDIC010

Tgt Ion:	101	Resp:	106667
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.7	49.1
151	55.9	46.6	69.8

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#10

Methyl Iodide

Concen: 9.310 ug/l

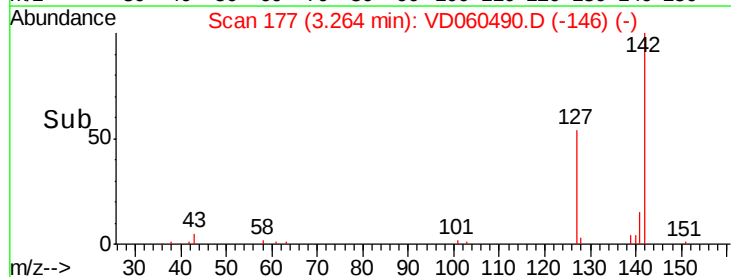
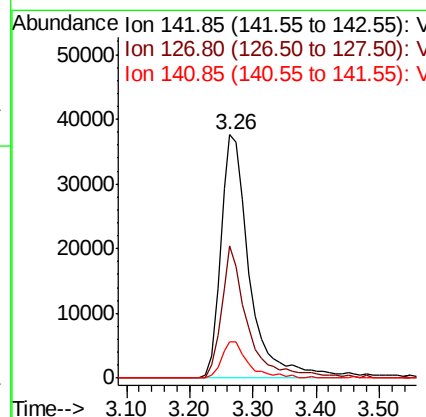
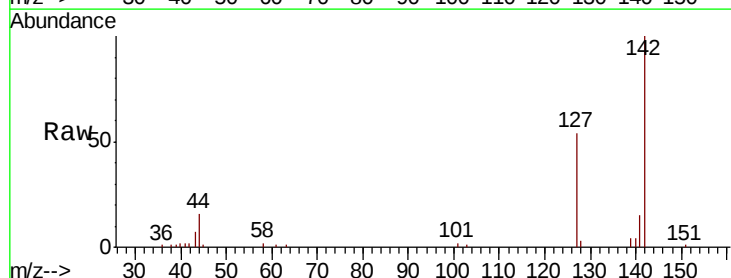
RT: 3.26 min Scan# 177

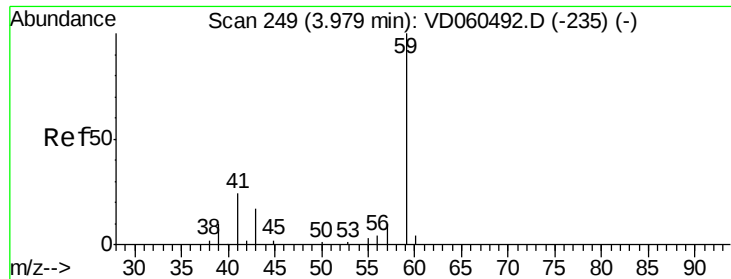
Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Tgt Ion:	142	Resp:	119152
Ion Ratio	Lower	Upper	
142	100		
127	54.4	41.2	61.8
141	14.7	11.9	17.9





#11

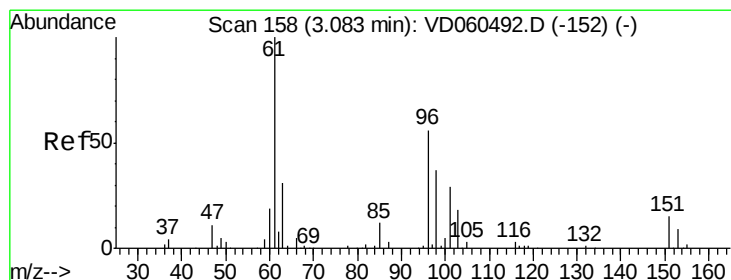
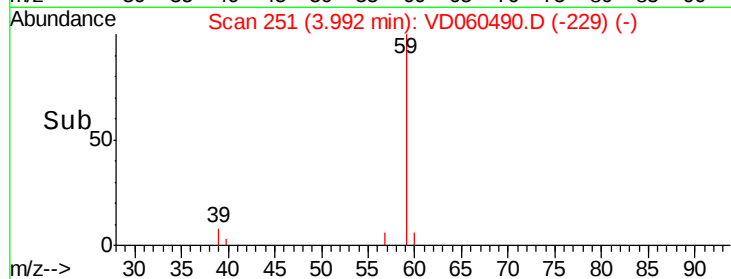
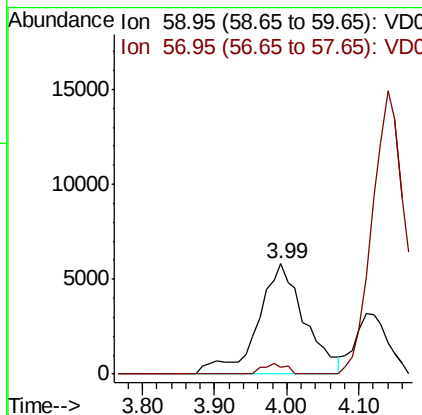
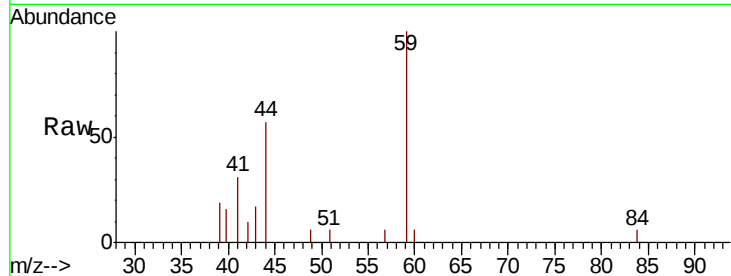
Tert butyl alcohol
 Concen: 53.941 ug/l
 RT: 3.99 min Scan# 251
 Delta R.T. 0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 59 Resp: 26151
 Ion Ratio Lower Upper
 59 100
 57 6.3 8.1 12.1#

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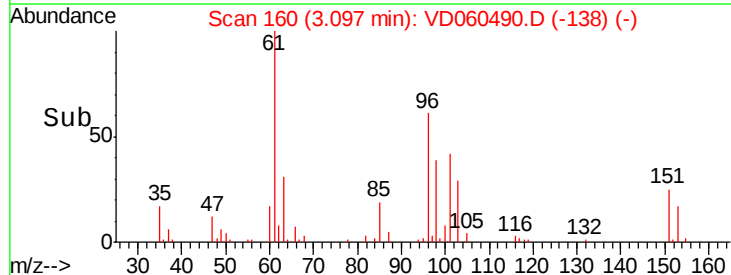
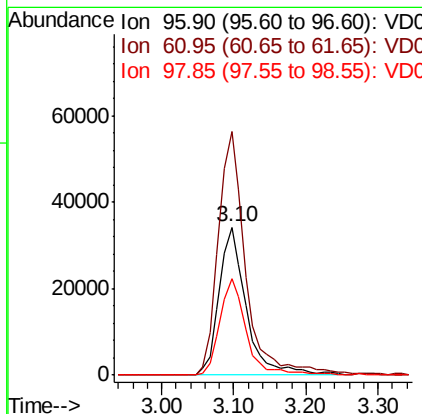
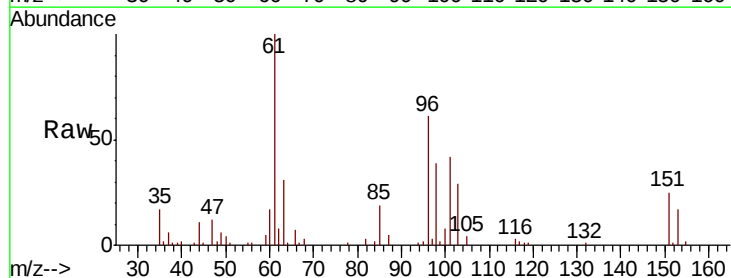
apatel
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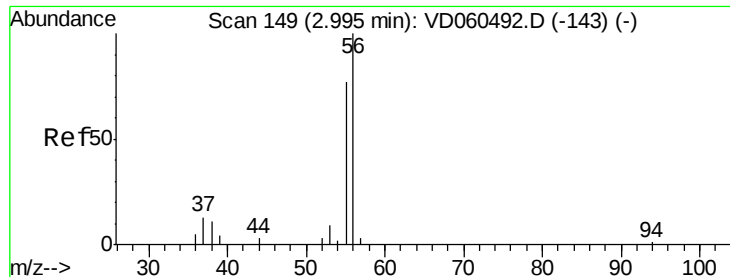


#12

1,1-Dichloroethene
 Concen: 11.066 ug/l
 RT: 3.10 min Scan# 160
 Delta R.T. 0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion: 96 Resp: 89335
 Ion Ratio Lower Upper
 96 100
 61 164.5 143.0 214.4
 98 64.8 53.4 80.0





#13

Acrolein

Concen: 53.990 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 30576

Ion Ratio Lower Upper

56 100

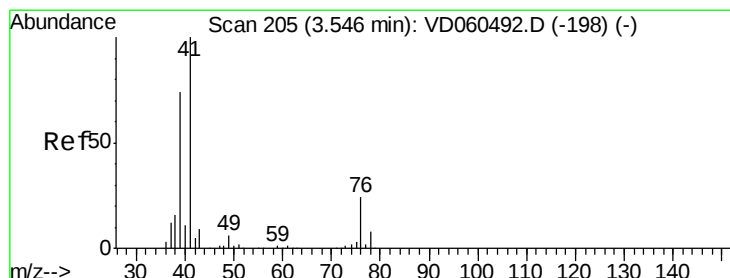
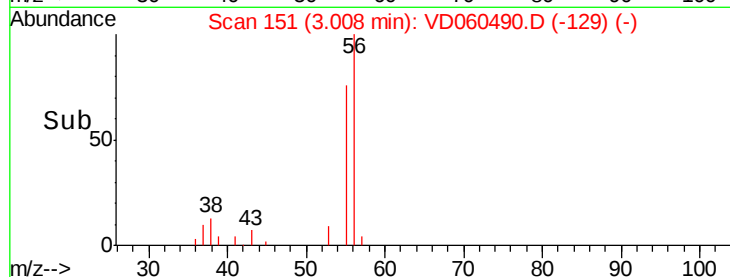
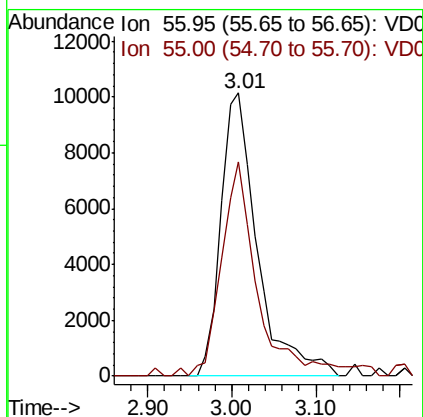
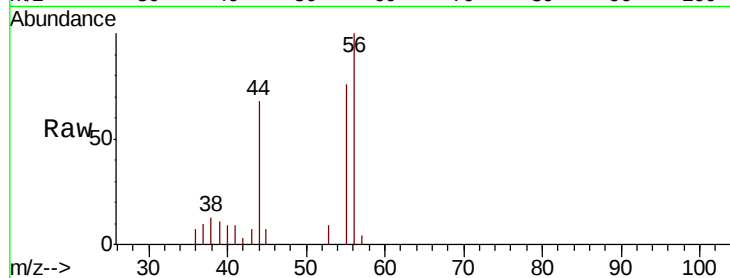
55 75.9 62.0 93.0

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#14

Allyl chloride

Concen: 10.616 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

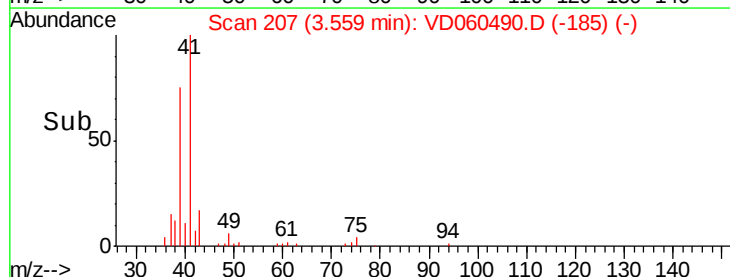
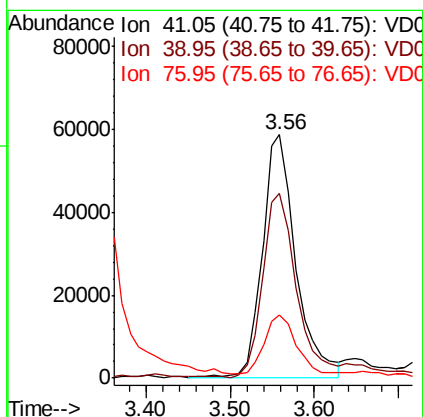
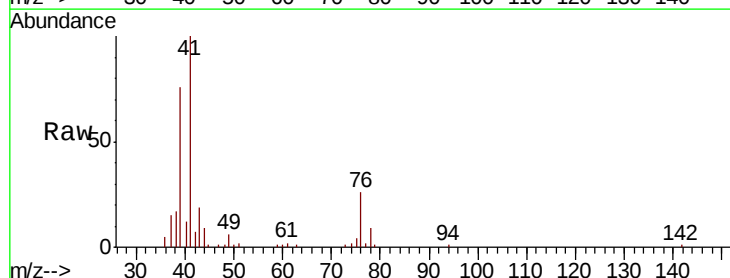
Tgt Ion: 41 Resp: 164614

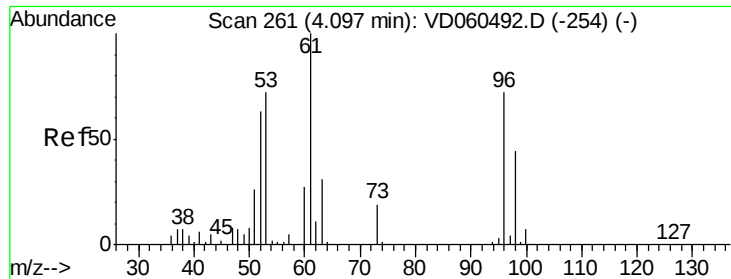
Ion Ratio Lower Upper

41 100

39 76.0 59.3 88.9

76 25.9 21.0 31.6





#15

Acrylonitrile

Concen: 49.390 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 53 Resp: 139728
Ion Ratio Lower Upper

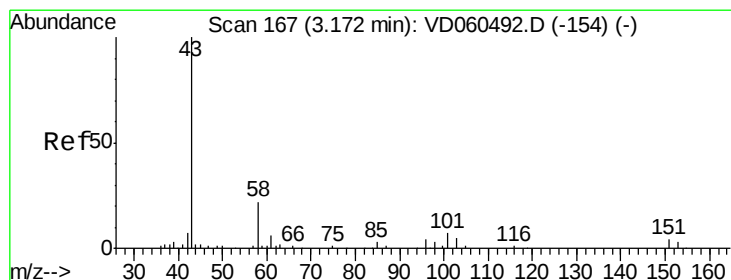
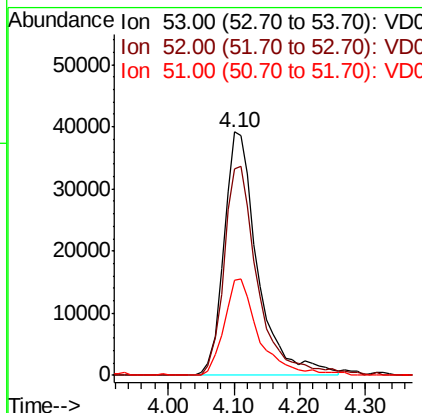
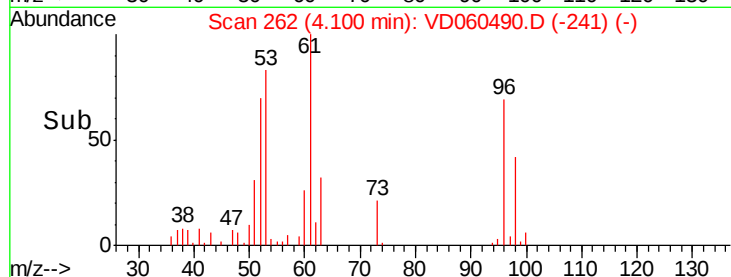
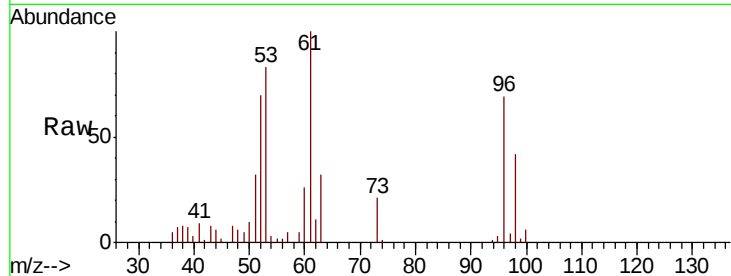
53 100

52 84.9 70.0 105.0

51 39.1 28.8 43.2

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#16

Acetone

Concen: 47.631 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.00 min

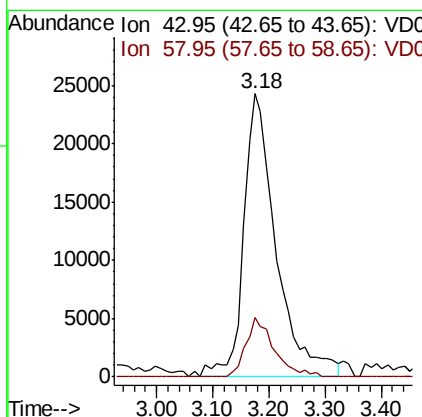
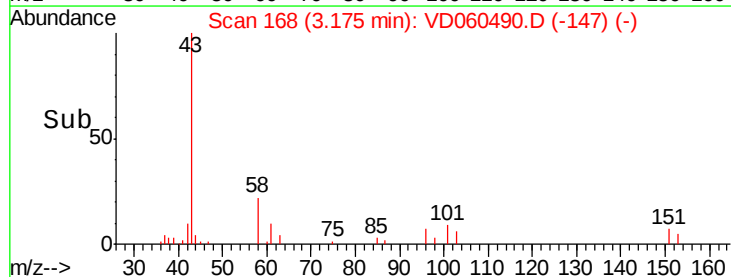
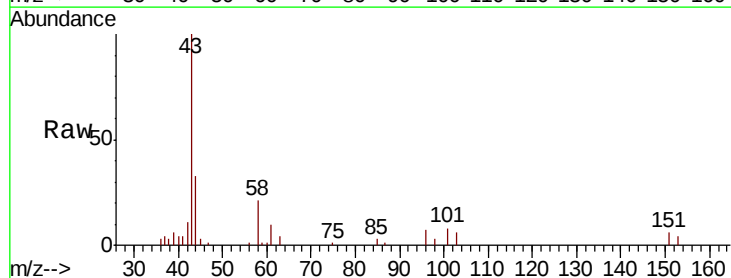
Lab File: VD060490.D

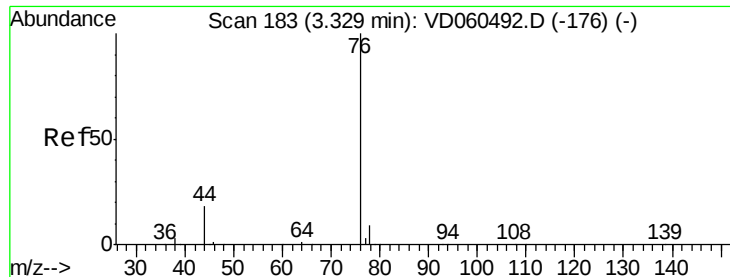
Acq: 5 Dec 2018 14:08

Tgt Ion: 43 Resp: 97596
Ion Ratio Lower Upper

43 100

58 21.0 17.3 25.9





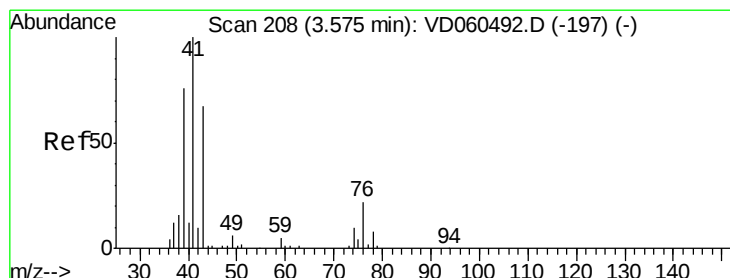
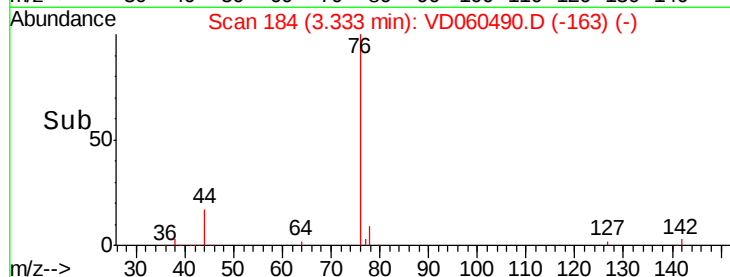
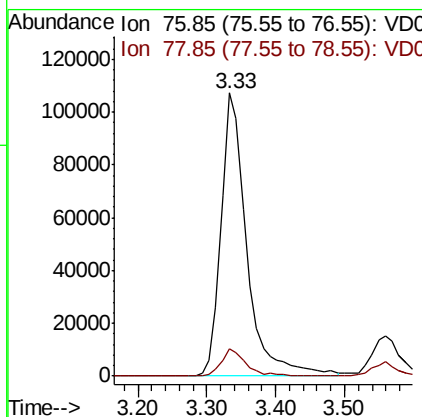
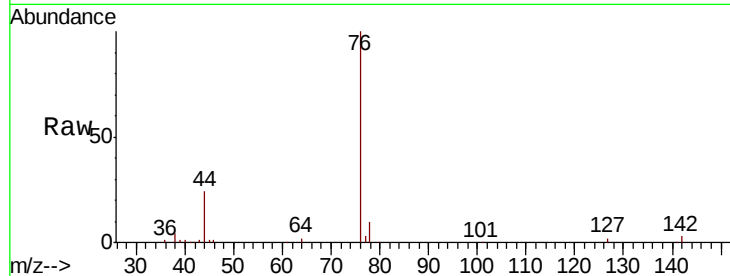
#17
Carbon Disulfide
Concen: 10.635 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 76 Resp: 278803
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.6

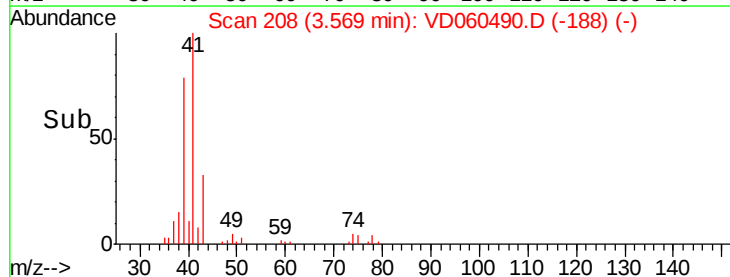
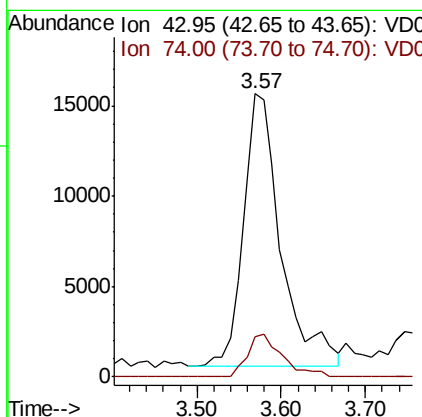
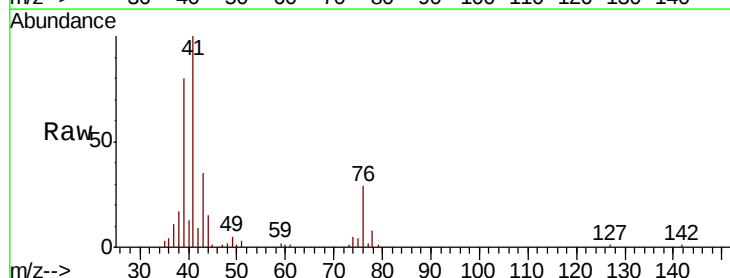
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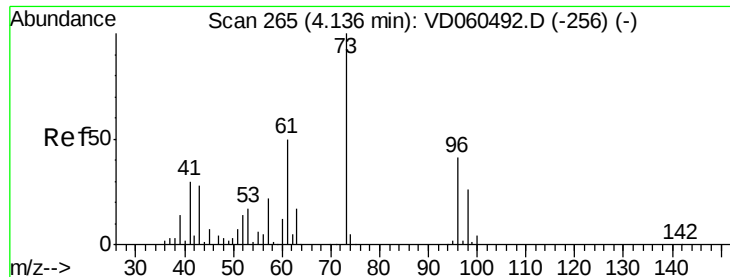
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#18
Methyl Acetate
Concen: 10.493 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 43 Resp: 46571
Ion Ratio Lower Upper
43 100
74 14.0 12.0 18.0





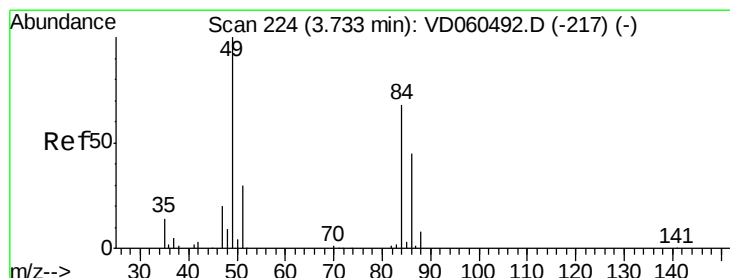
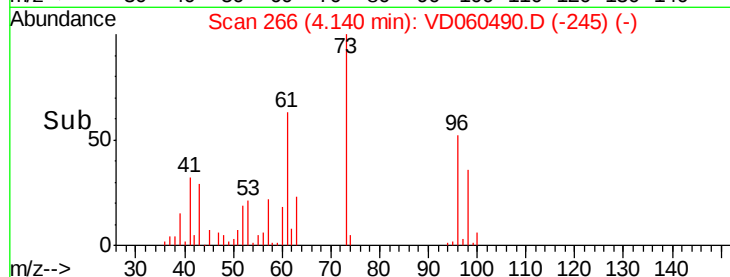
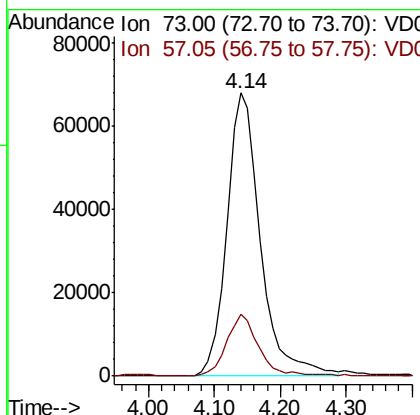
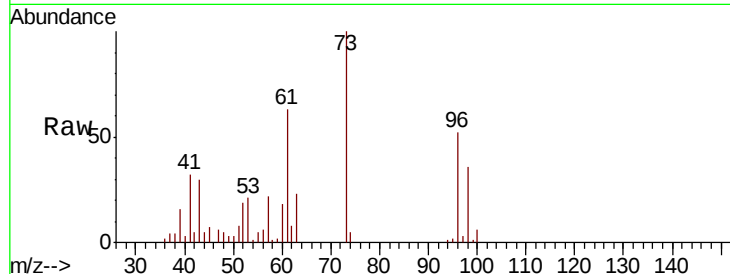
#19
Methyl tert-butyl Ether
Concen: 10.075 ug/l
RT: 4.14 min Scan# 266
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 73 Resp: 242705
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.6

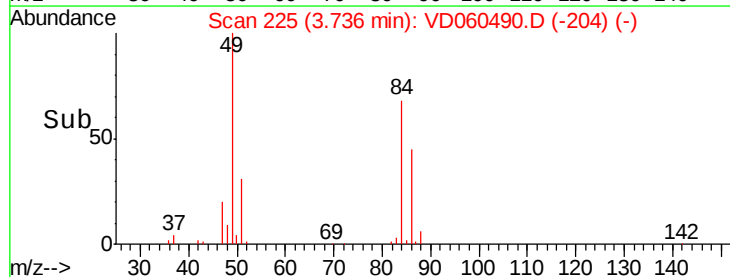
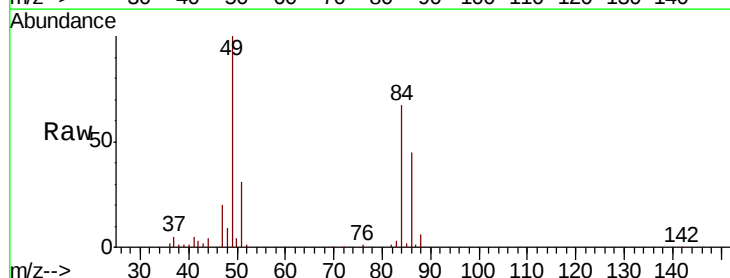
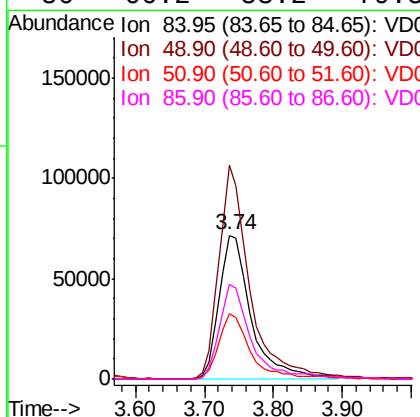
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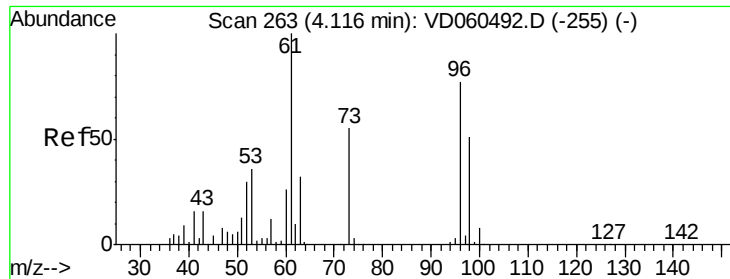
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#20
Methylene Chloride
Concen: 12.586 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 84 Resp: 231704
Ion Ratio Lower Upper
84 100
49 148.5 117.2 175.8
51 45.4 35.3 52.9
86 66.2 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 10.464 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

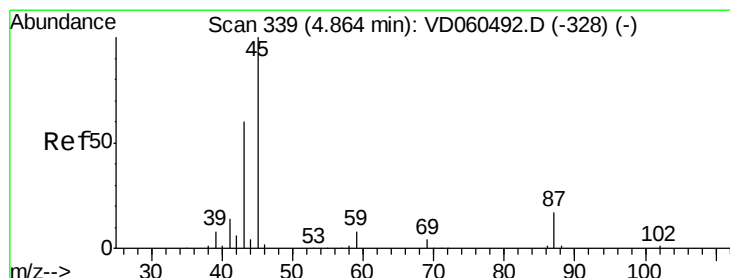
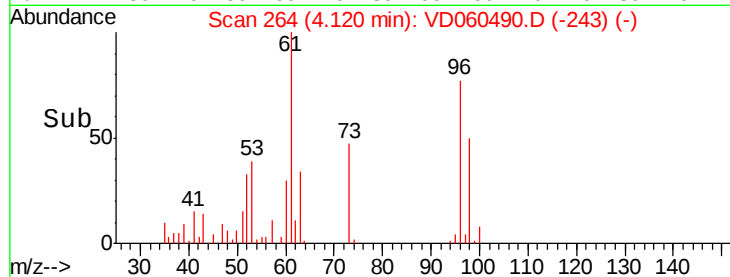
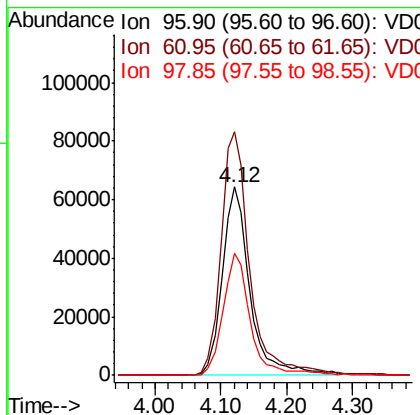
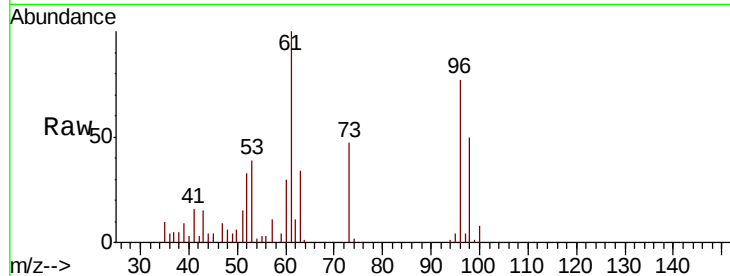
ClientSampleId :

VSTDIC010

Tgt Ion:	96	Resp:	188515
Ion	Ratio	Lower	Upper
96	100		
61	129.5	104.2	156.4
98	64.9	52.8	79.2

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#22

Diisopropyl ether

Concen: 10.028 ug/l

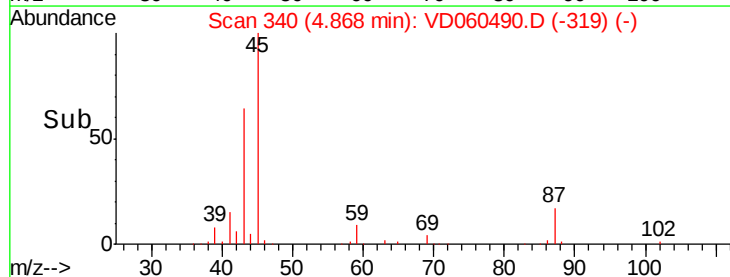
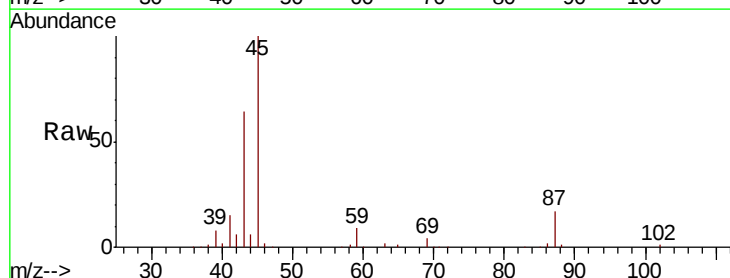
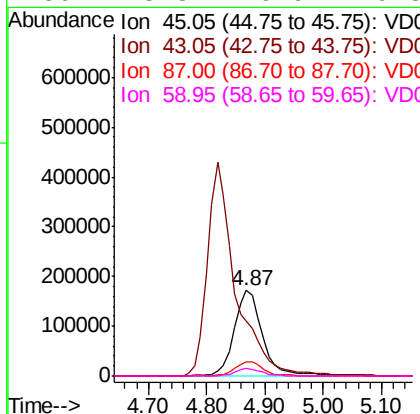
RT: 4.87 min Scan# 340

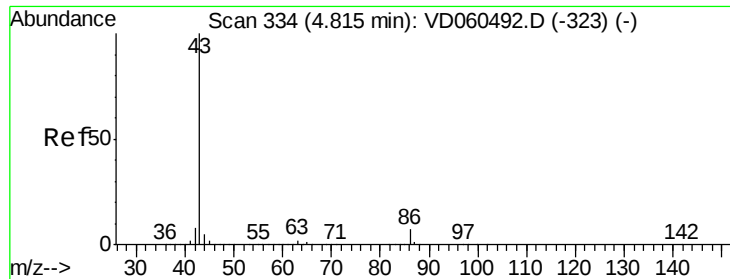
Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Tgt Ion:	45	Resp:	578091
Ion	Ratio	Lower	Upper
45	100		
43	64.2	48.6	73.0
87	16.6	14.0	21.0
59	8.8	6.9	10.3





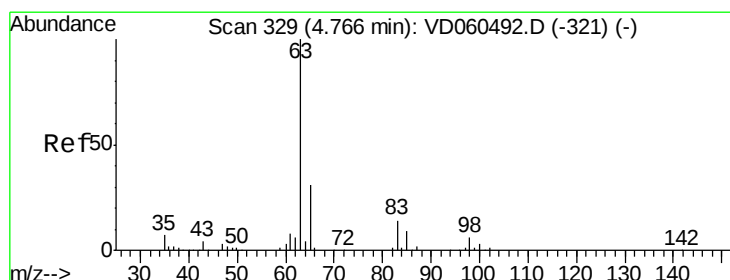
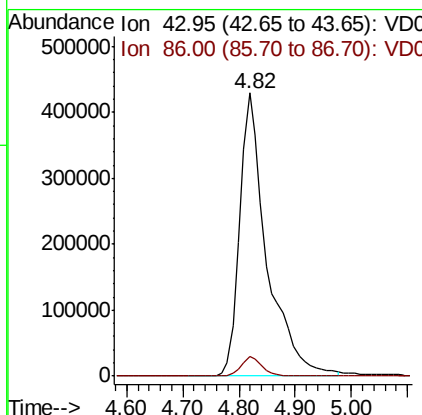
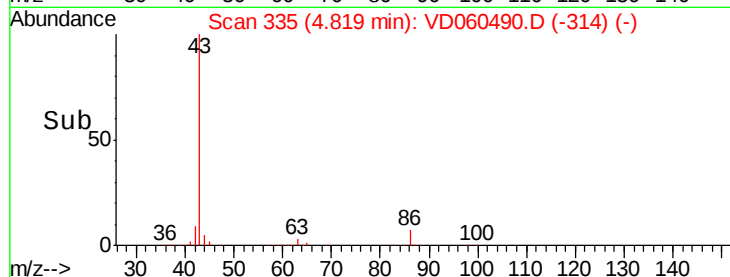
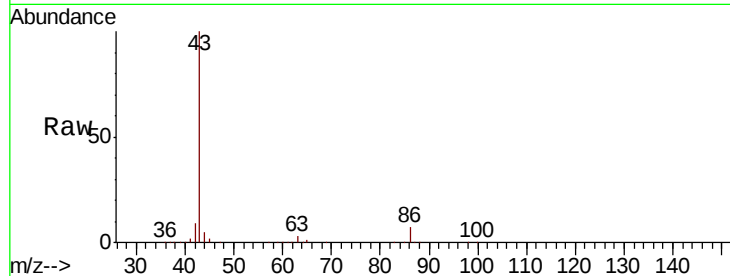
#23
 Vinyl Acetate
 Concen: 50.000 ug/l
 RT: 4.82 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tgt Ion: 43 Resp: 1439471
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.5 8.3

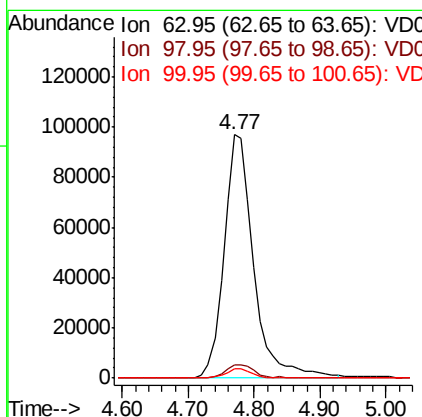
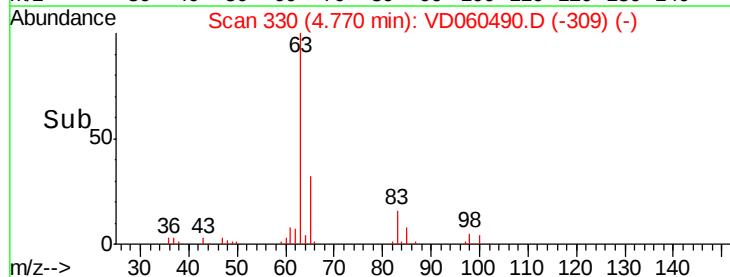
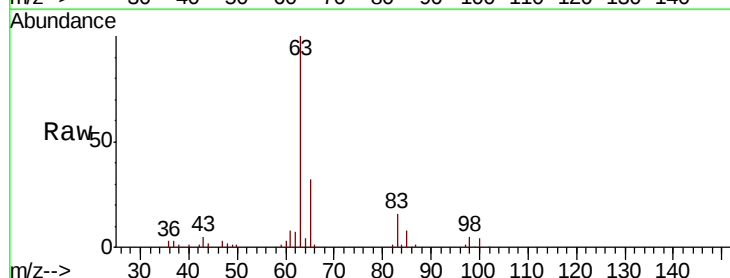
Manual Integrations
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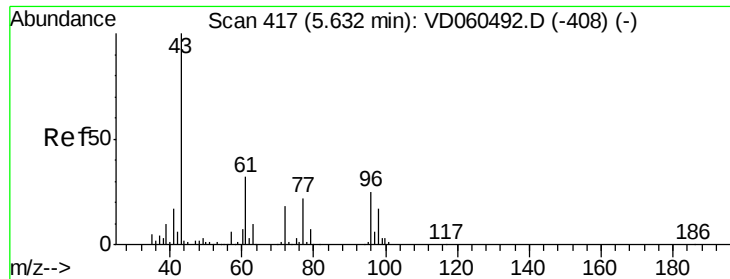
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#24
 1,1-Dichloroethane
 Concen: 10.229 ug/l
 RT: 4.77 min Scan# 330
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion: 63 Resp: 303441
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.3
 100 3.7 1.7 5.1





#25

2-Butanone

Concen: 42.927 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 180808

Ion Ratio Lower Upper

43 100

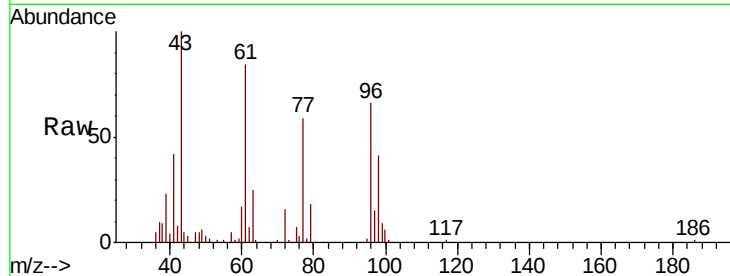
72 16.1 14.6 21.8

Manual Integrations

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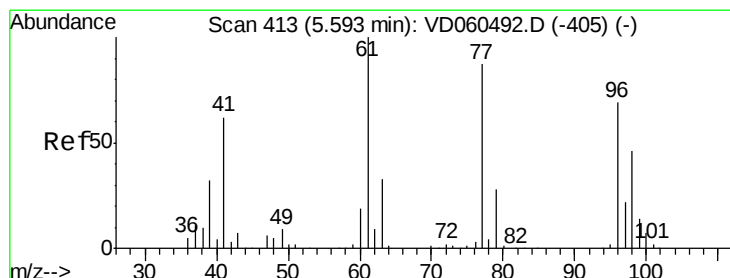
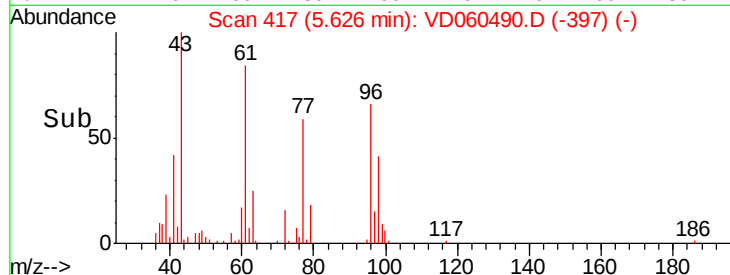
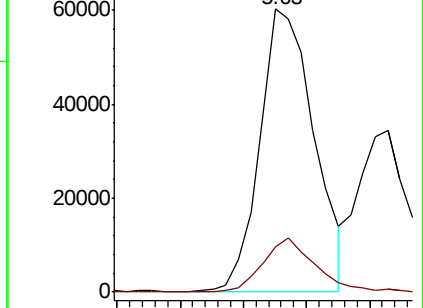
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.228 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060490.D

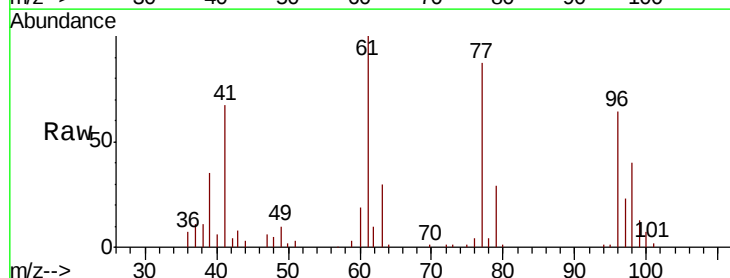
Acq: 5 Dec 2018 14:08

Tgt Ion: 77 Resp: 234743

Ion Ratio Lower Upper

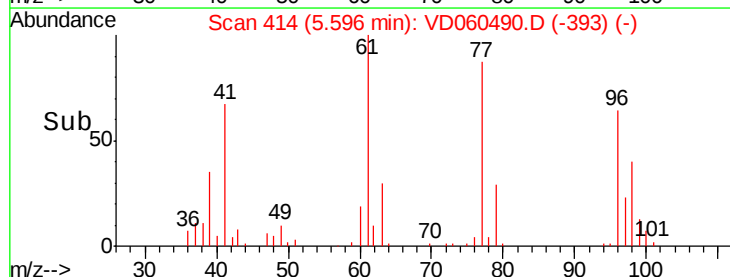
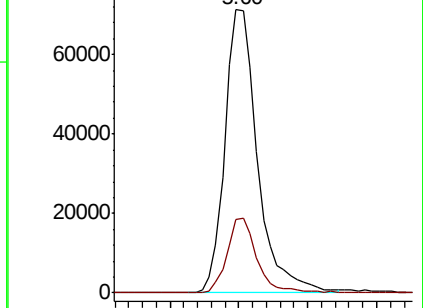
77 100

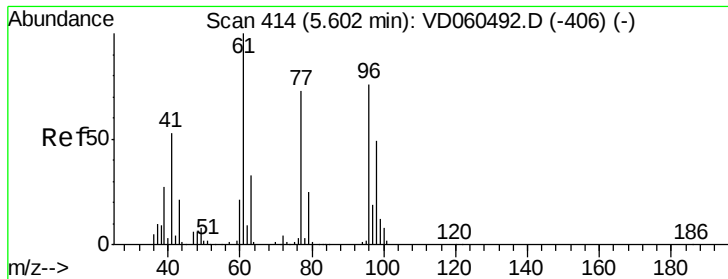
97 25.9 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

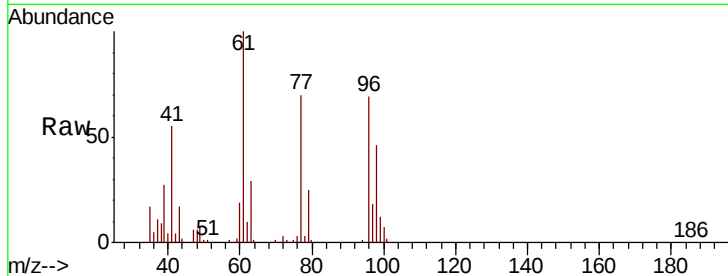
cis-1,2-Dichloroethene
 Concen: 9.977 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

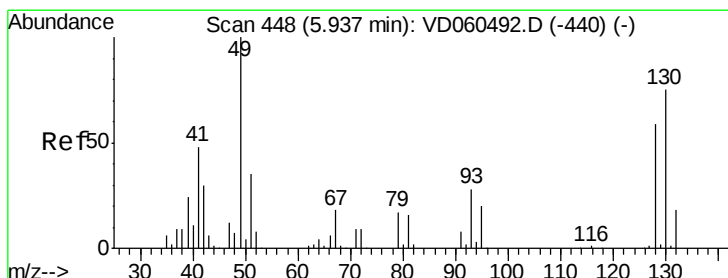
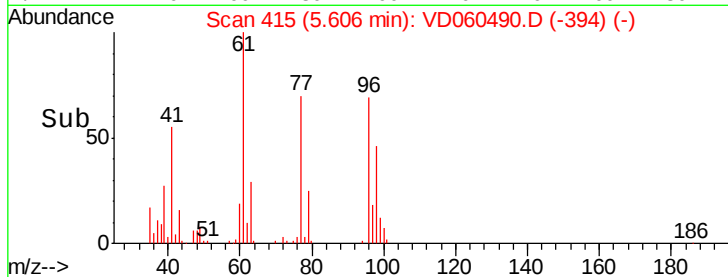
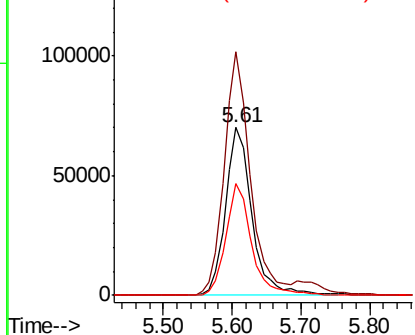
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	186428		
61	145.2	0.0	263.6	
98	66.8	0.0	128.2	

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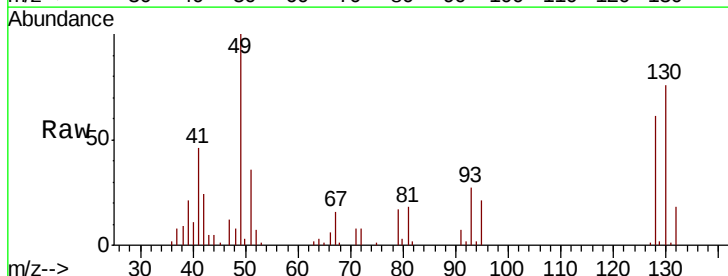
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



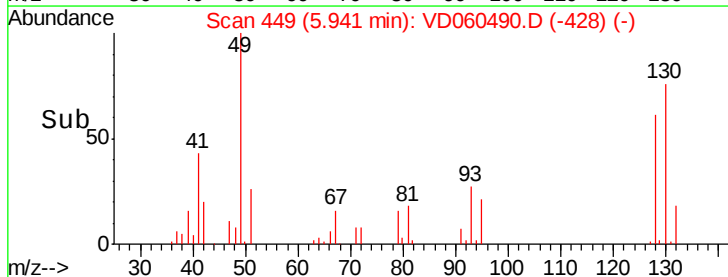
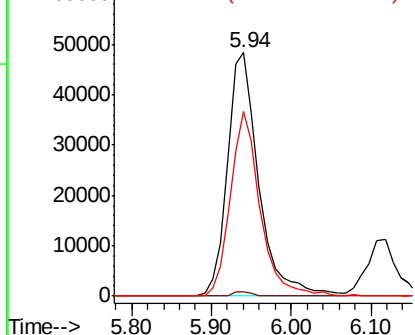
#28

Bromochloromethane
 Concen: 10.152 ug/l
 RT: 5.94 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	132875		
129	1.9	0.0	3.4	
130	75.9	59.8	89.6	



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





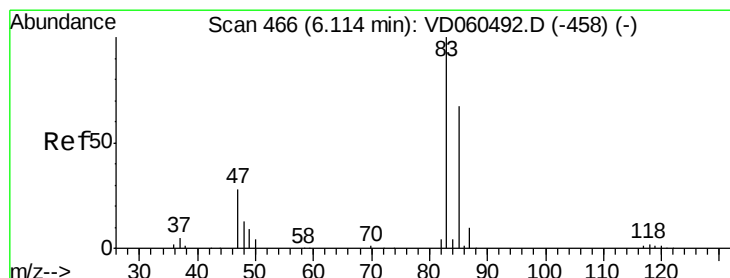
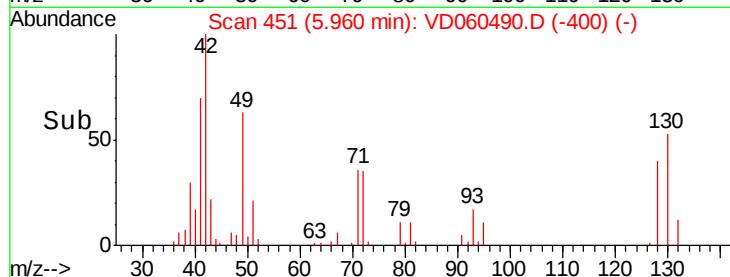
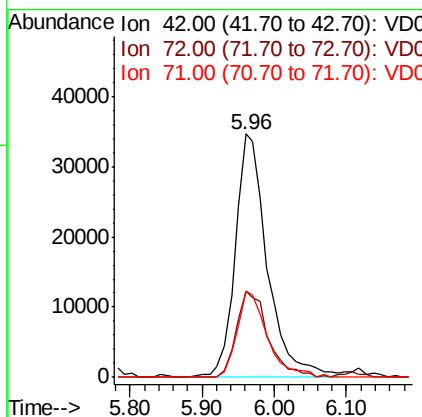
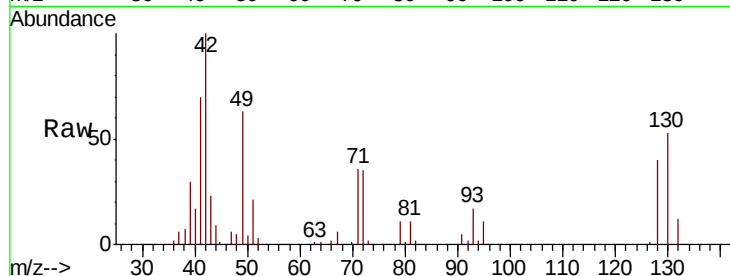
#29
Tetrahydrofuran
Concen: 47.882 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	34.6	28.0	42.0
71	33.4	27.2	40.8

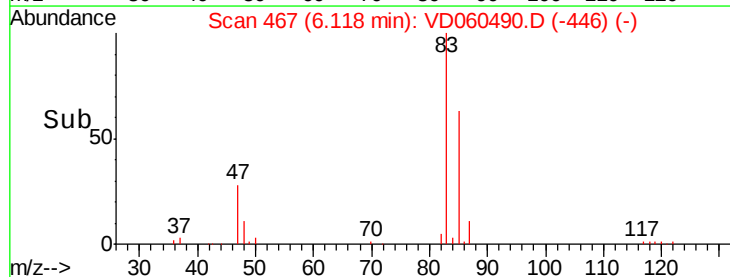
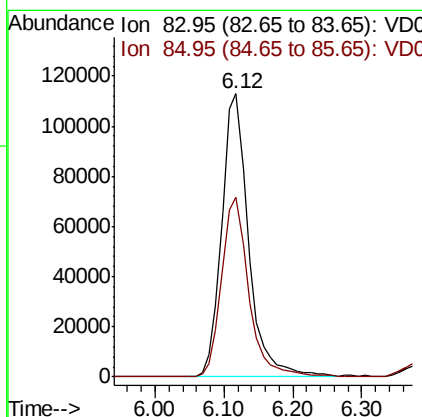
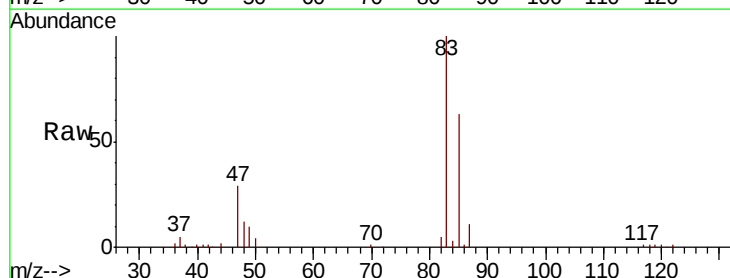
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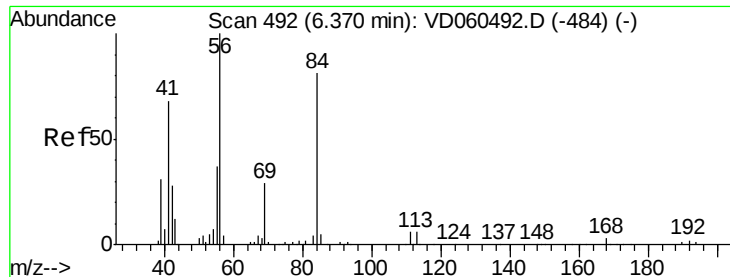
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#30
Chloroform
Concen: 10.278 ug/l
RT: 6.12 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	53.4	80.2





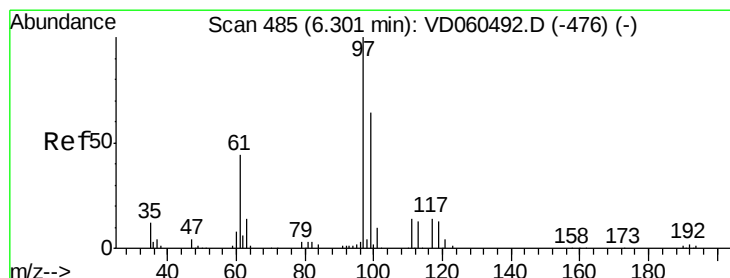
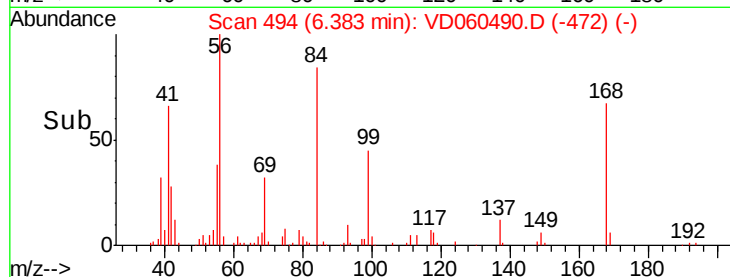
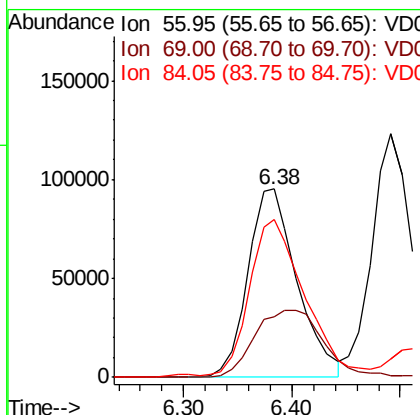
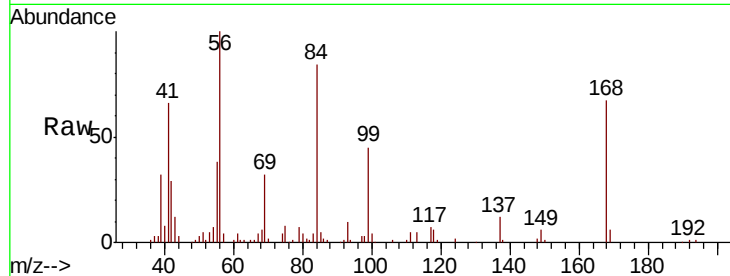
#31
Cyclohexane
Concen: 10.656 ug/l
RT: 6.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.9	22.8	34.2
84	83.8	65.1	97.7

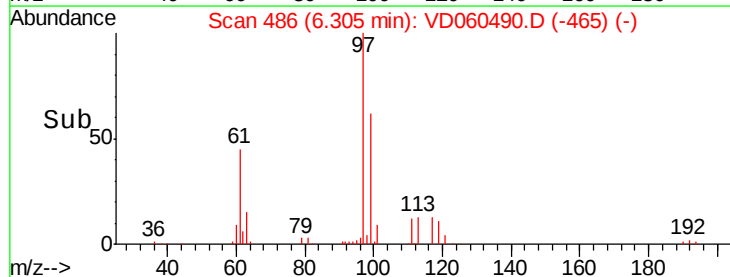
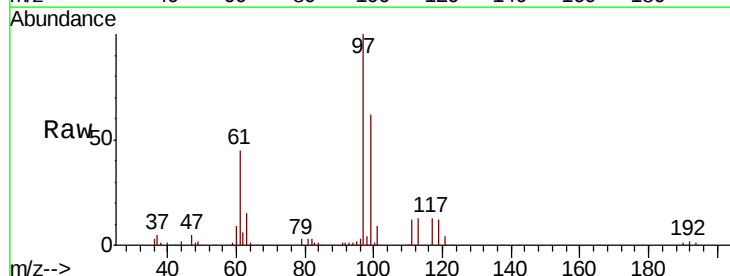
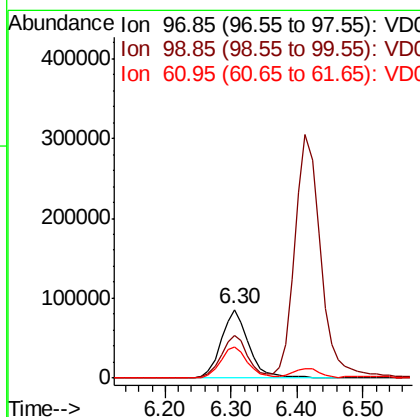
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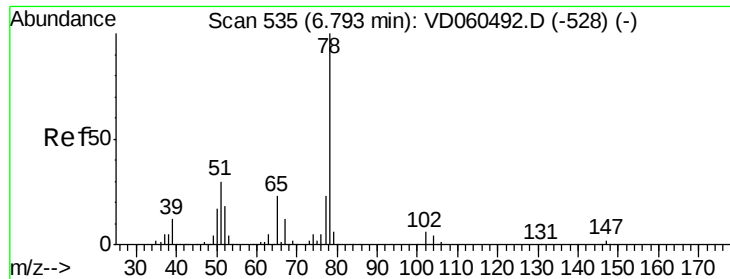
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#32
1,1,1-Trichloroethane
Concen: 9.966 ug/l
RT: 6.30 min Scan# 486
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	51.0	76.4
61	45.2	35.3	52.9





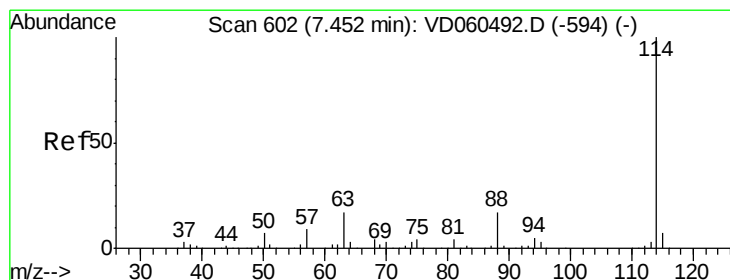
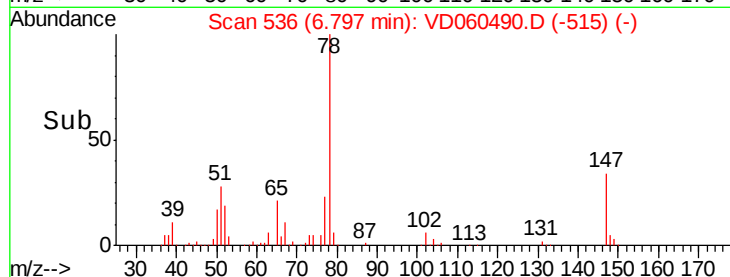
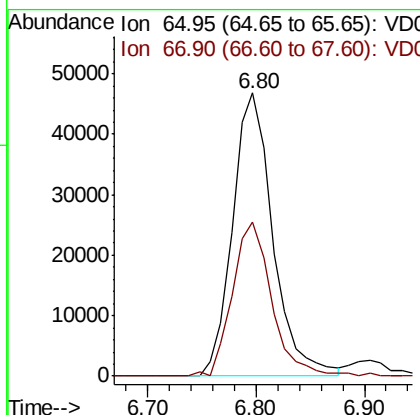
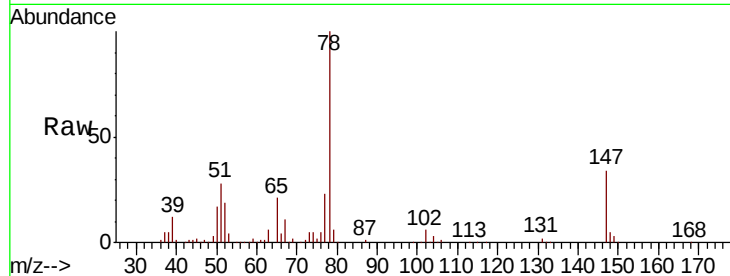
#33
 1,2-Dichloroethane-d4
 Concen: 9.966 ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tgt Ion: 65 Resp: 121038
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.8

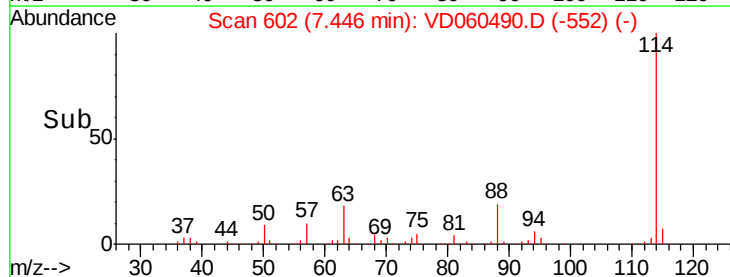
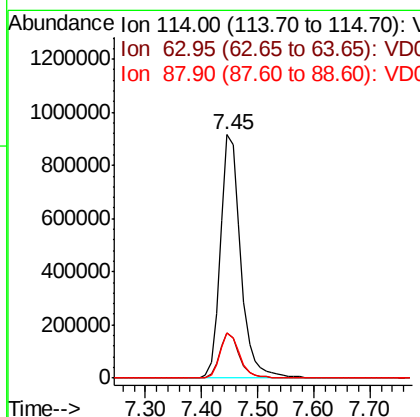
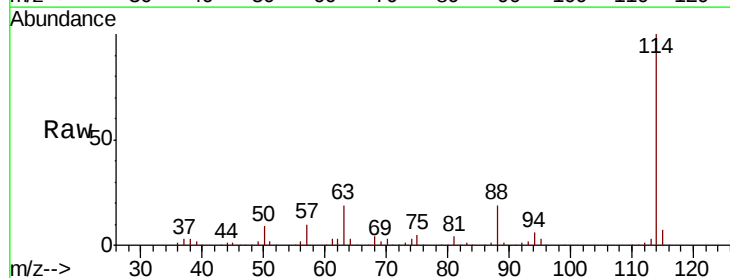
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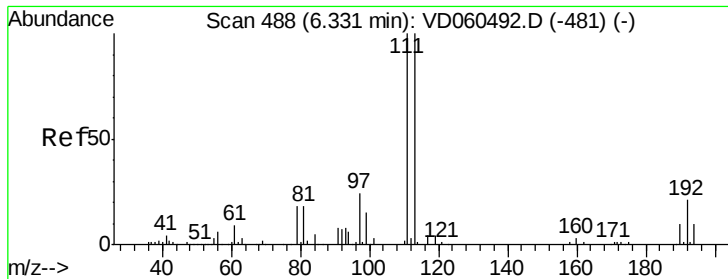
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion: 114 Resp: 2306754
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.2
 88 18.7 0.0 35.0





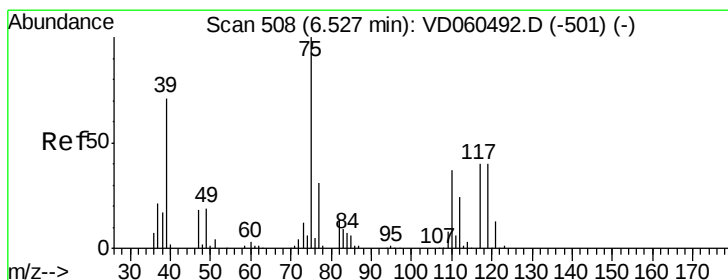
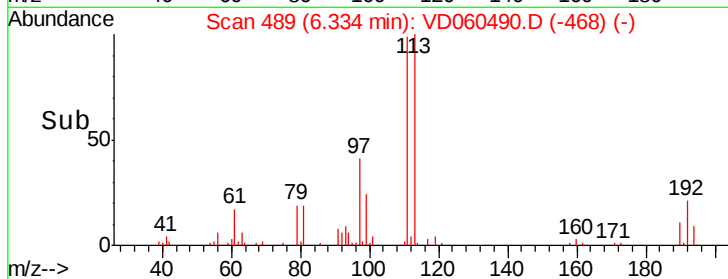
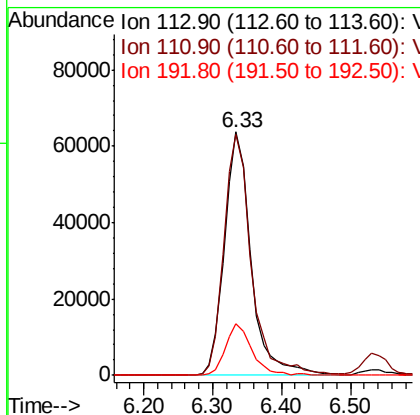
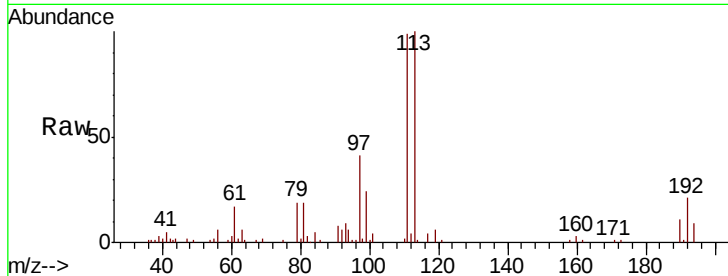
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	171287		
111	99.2	80.2	120.4	
192	21.4	16.6	24.8	

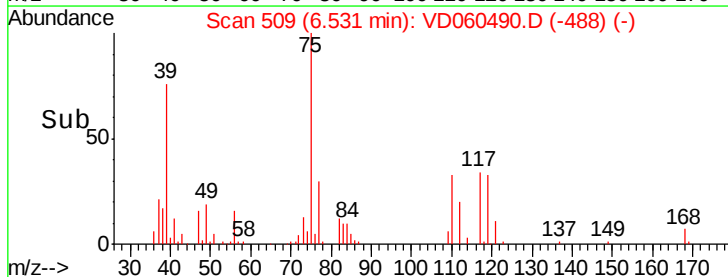
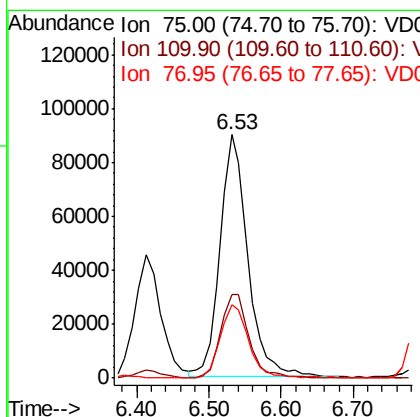
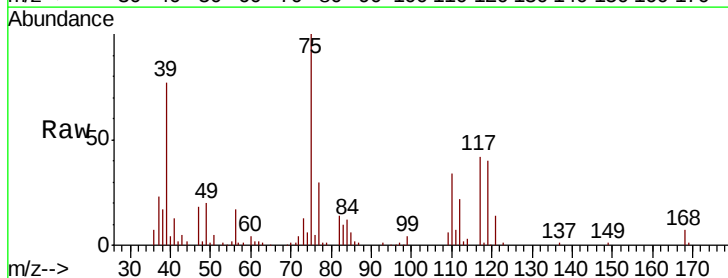
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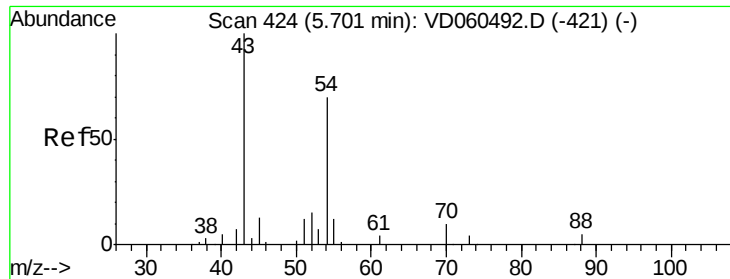
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#36
 1,1-Dichloropropene
 Concen: 10.457 ug/l
 RT: 6.53 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	238445		
110	34.2	18.3	54.8	
77	30.3	24.6	37.0	





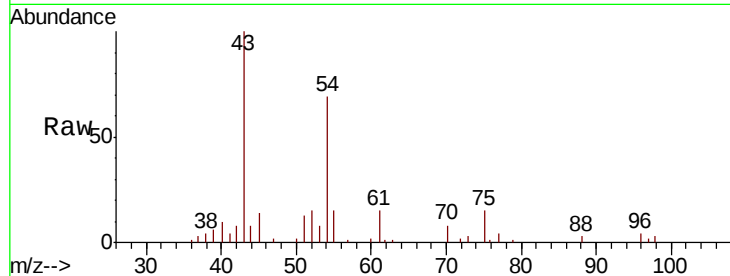
#37
Ethyl Acetate
Concen: 9.877 ug/l
RT: 5.71 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

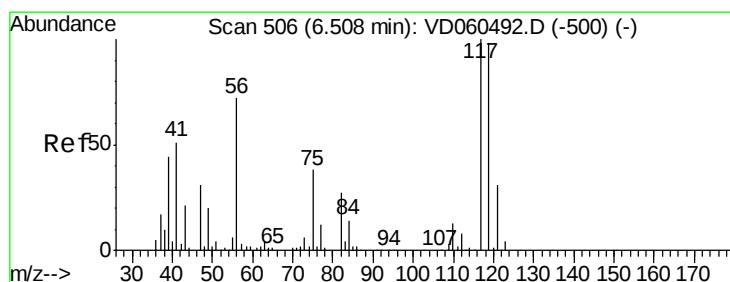
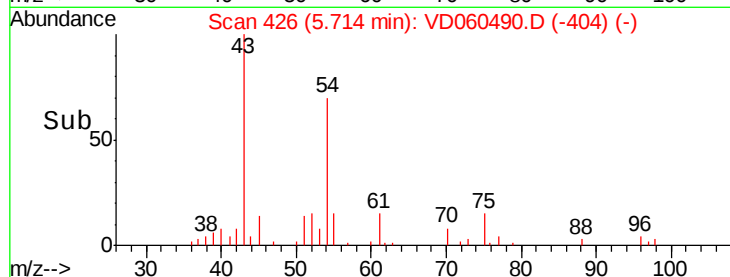
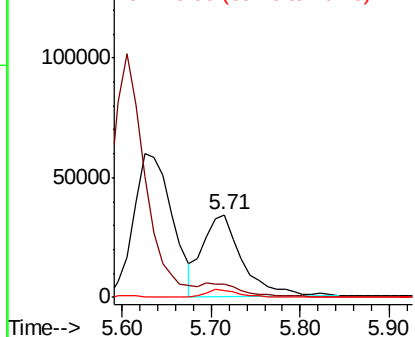
Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.4	18.6
70	7.6	5.4	8.0

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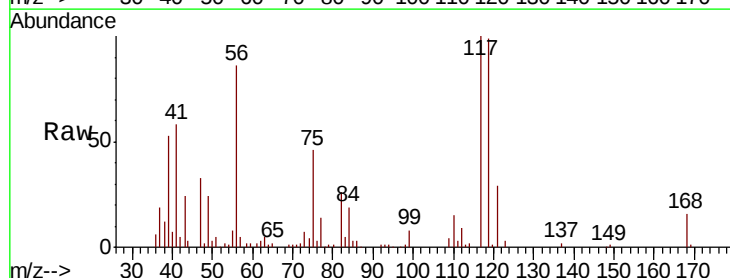


Abundance Ion 42.95 (42.65 to 43.65): VD060490.D (-421) (-)
Ion 60.95 (60.65 to 61.65): VD060490.D (-421) (-)
Ion 70.00 (69.70 to 70.70): VD060490.D (-421) (-)

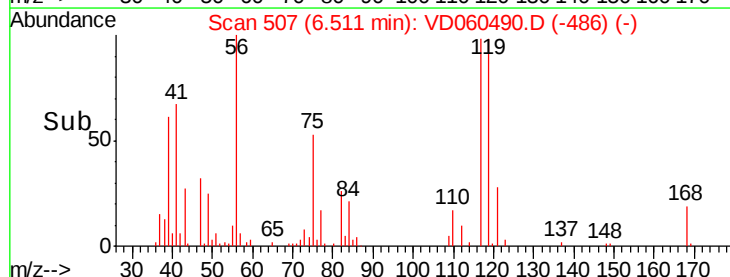
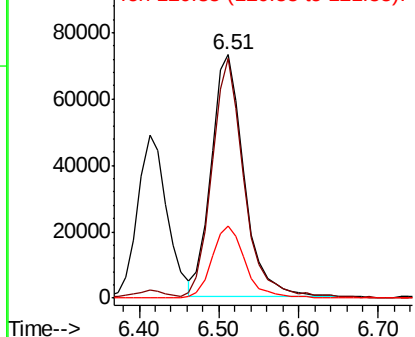


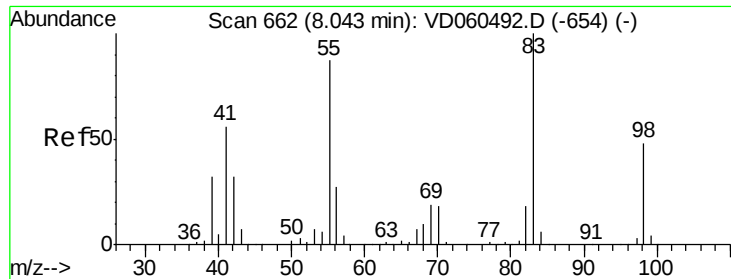
#38
Carbon Tetrachloride
Concen: 10.003 ug/l
RT: 6.51 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.8	115.2
121	29.4	24.4	36.6



Abundance Ion 116.85 (116.55 to 117.55): VD060490.D (-486) (-)
Ion 118.85 (118.55 to 119.55): VD060490.D (-486) (-)
Ion 120.85 (120.55 to 121.55): VD060490.D (-486) (-)





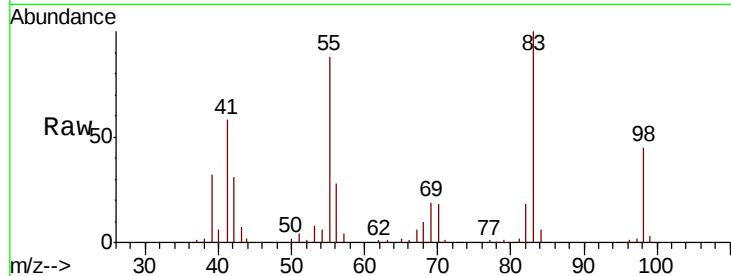
#39
Methylcyclohexane
Concen: 10.224 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

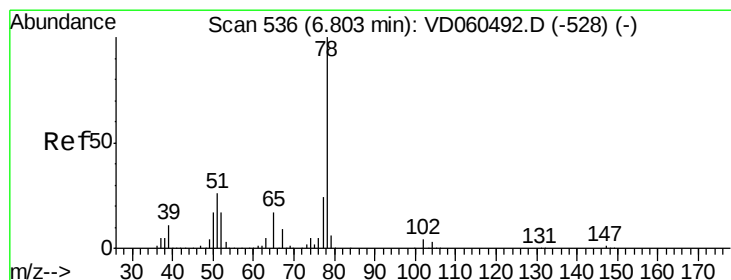
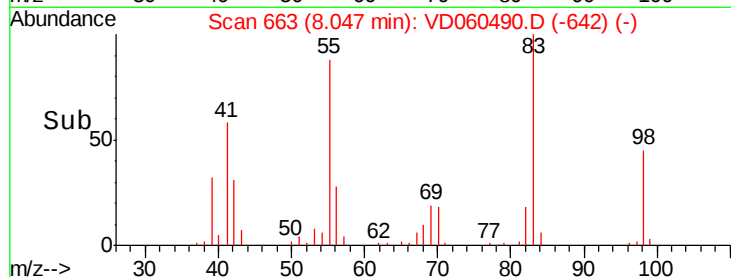
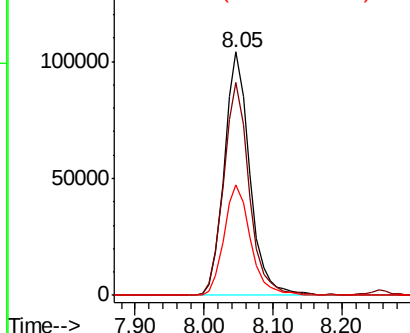
Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.6	69.8	104.8
98	45.5	38.4	57.6

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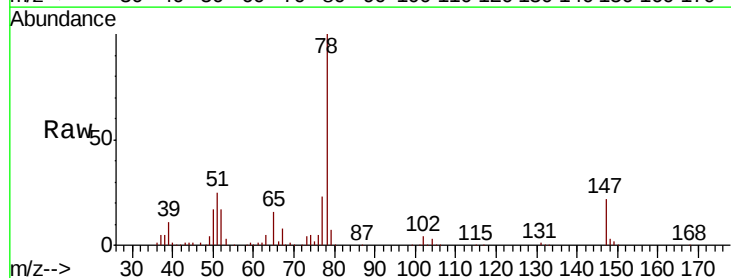


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

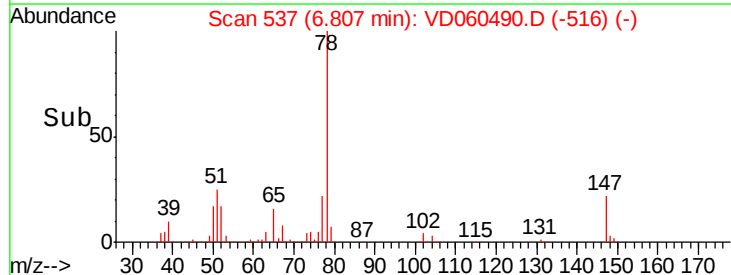
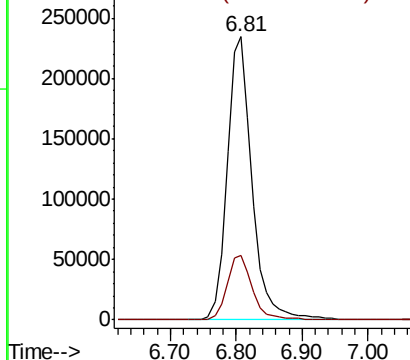


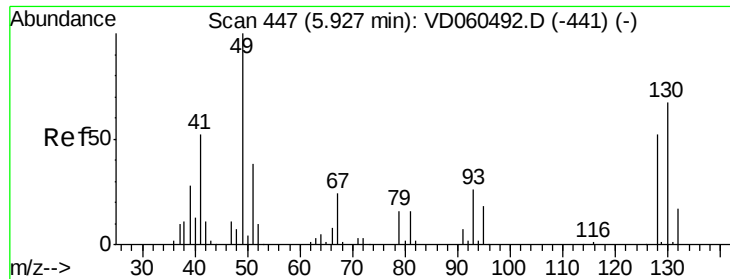
#40
Benzene
Concen: 10.635 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.9	28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





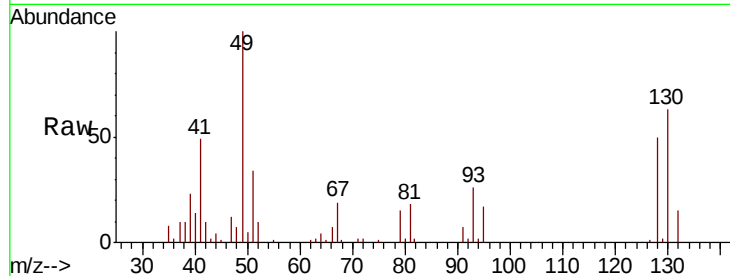
#41
Methacrylonitrile
Concen: 5.658 ug/l m
RT: 5.93 min Scan# 448
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

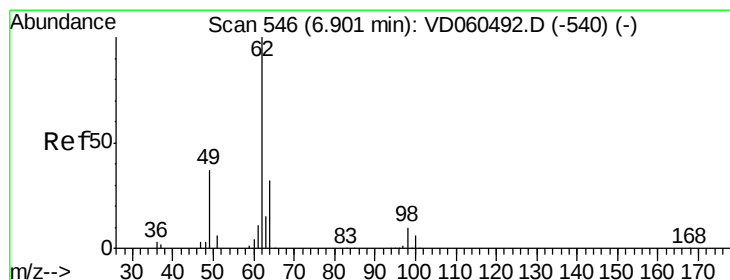
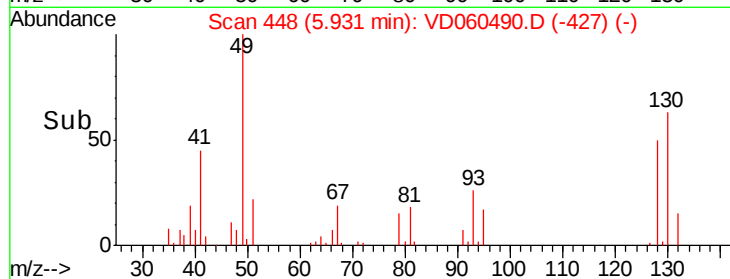
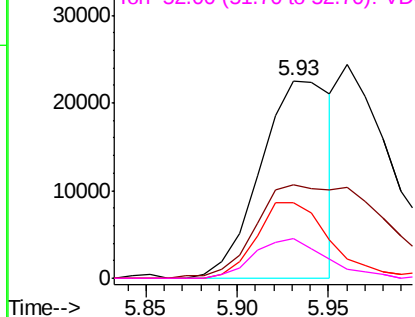
Tgt Ion	Ratio	Lower	Upper
41	100		
39	47.3	42.6	63.8
67	38.5	36.2	54.4
52	19.9	15.6	23.4

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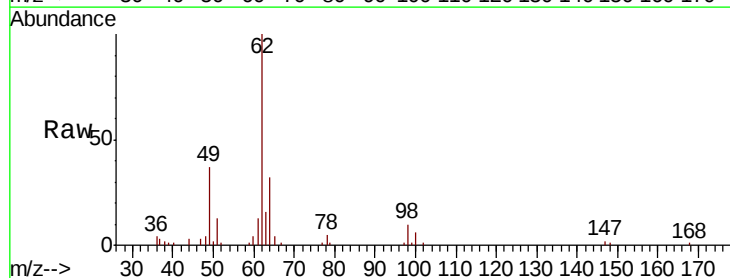


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

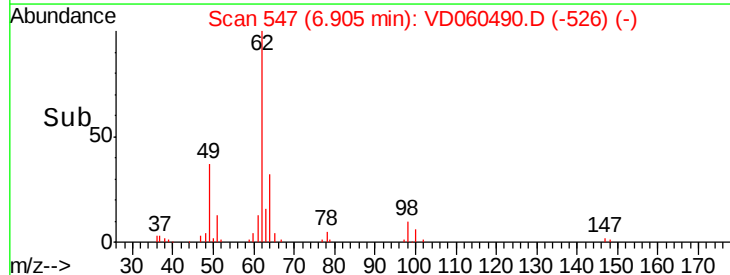
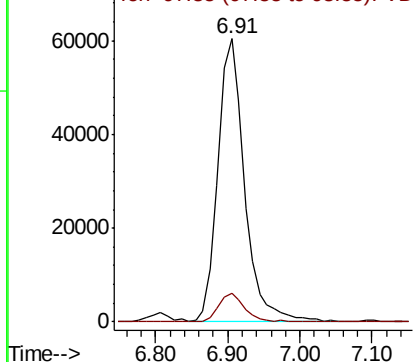


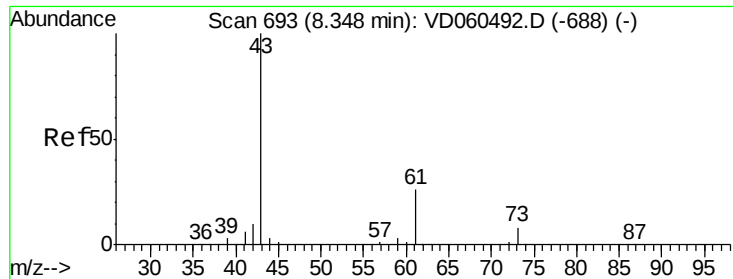
#42
1,2-Dichloroethane
Concen: 10.222 ug/l
RT: 6.91 min Scan# 547
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





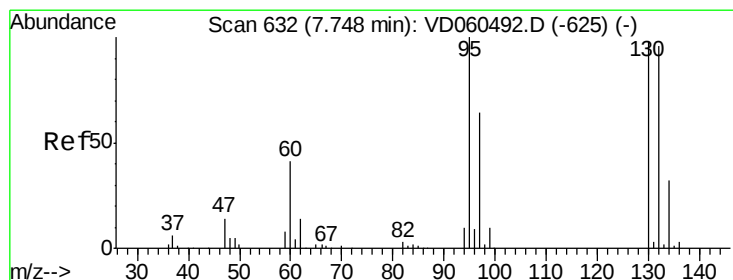
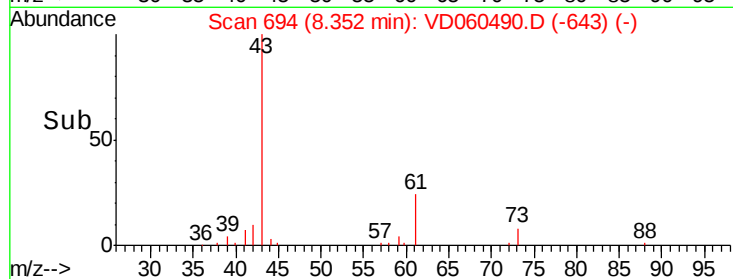
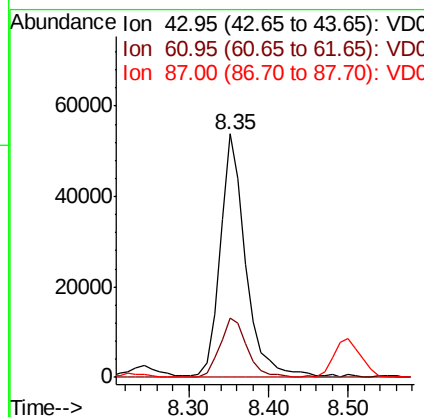
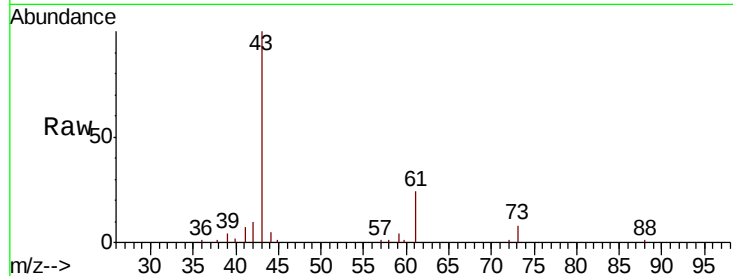
#43
Isopropyl Acetate
Concen: 9.334 ug/l
RT: 8.35 min Scan# 694
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
43	100		
61	24.2	21.0	31.4
87	0.0	0.2	0.2

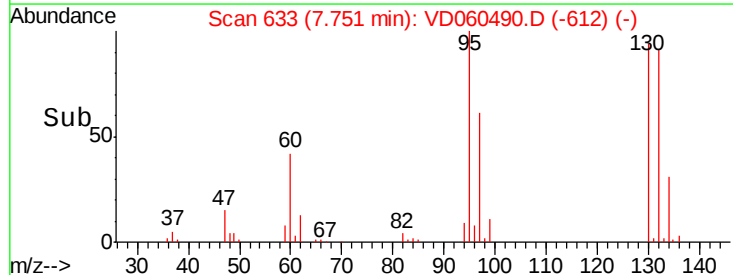
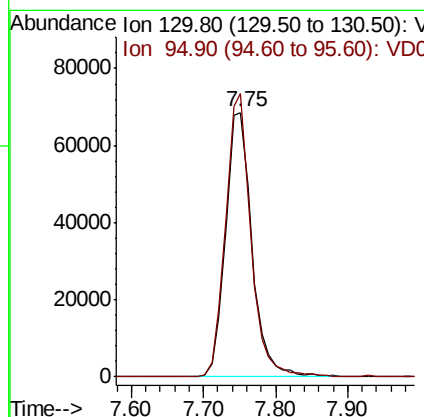
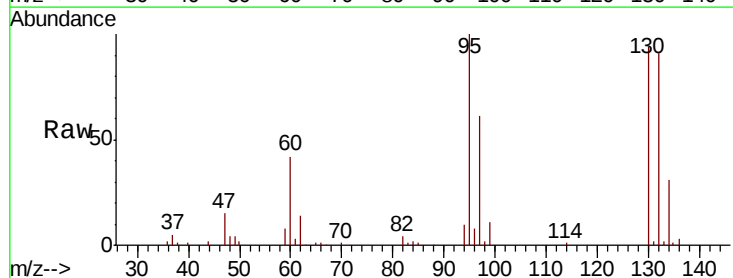
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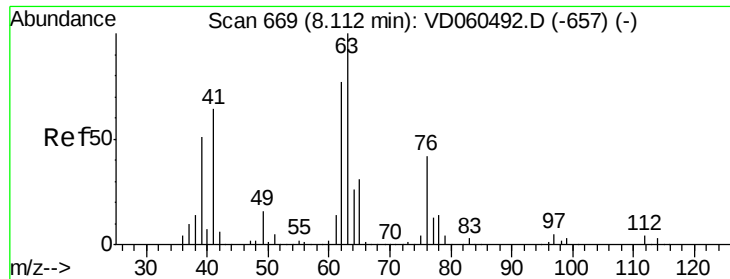
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#44
Trichloroethene
Concen: 9.880 ug/l
RT: 7.75 min Scan# 633
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	203.8





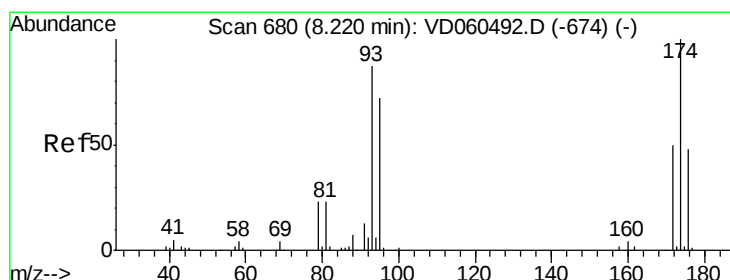
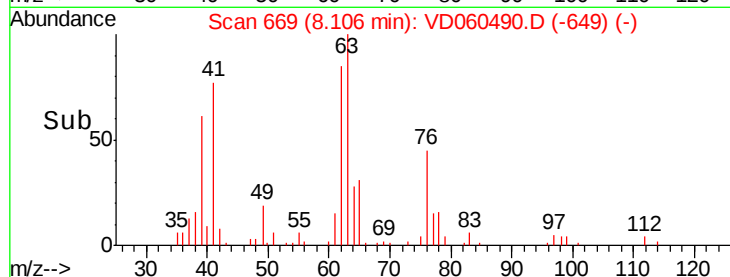
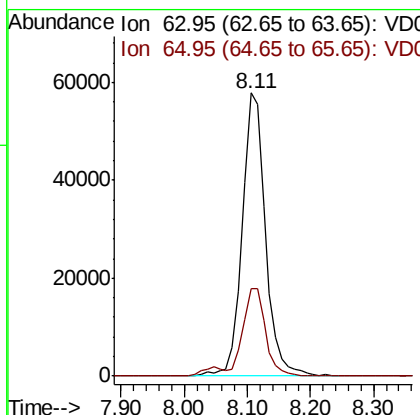
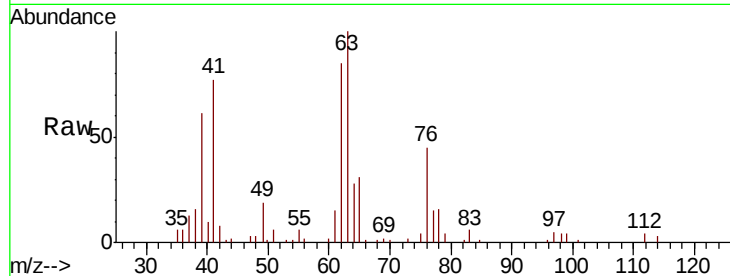
#45
 1,2-Dichloropropane
 Concen: 10.088 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 63 Resp: 147279
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 37.0

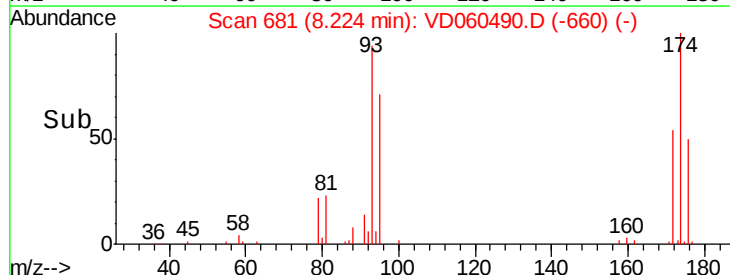
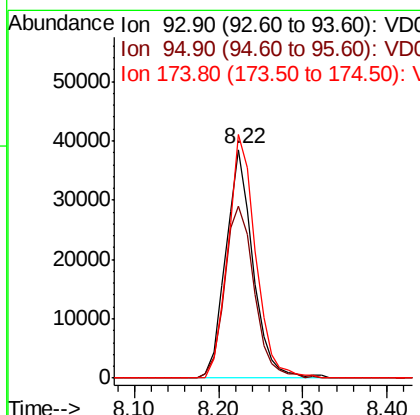
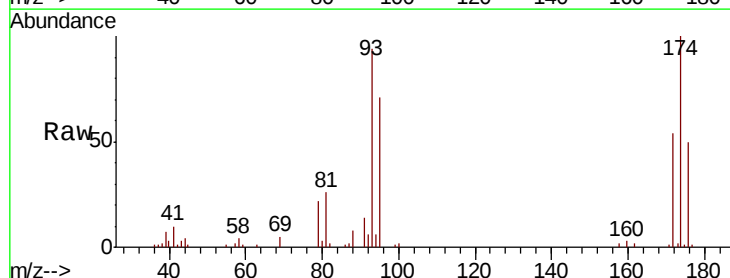
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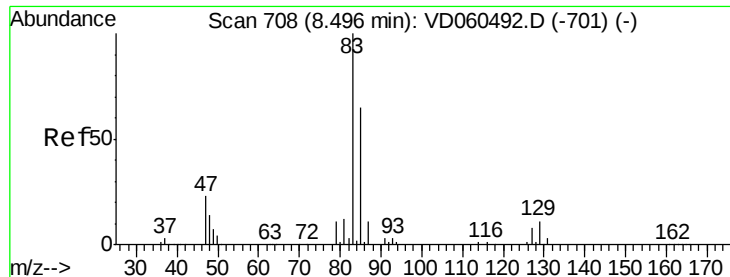
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#46
 Dibromomethane
 Concen: 10.078 ug/l
 RT: 8.22 min Scan# 681
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion: 93 Resp: 86332
 Ion Ratio Lower Upper
 93 100
 95 75.2 65.6 98.4
 174 106.6 91.7 137.5





#47

Bromodichloromethane

Concen: 9.751 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

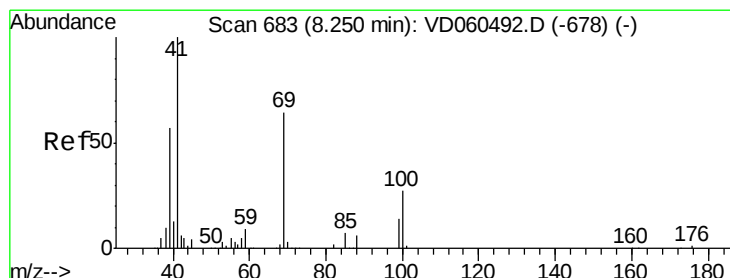
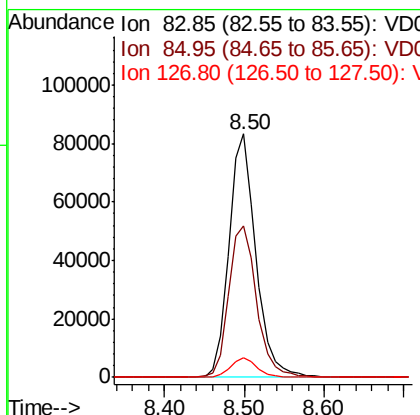
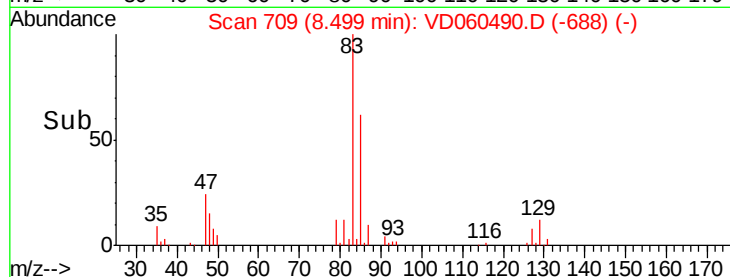
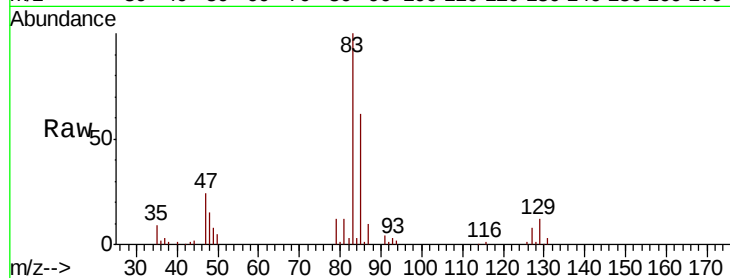
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	196030
Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.2	78.4
127	8.3	6.7	10.1

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#48

Methyl methacrylate

Concen: 8.756 ug/l

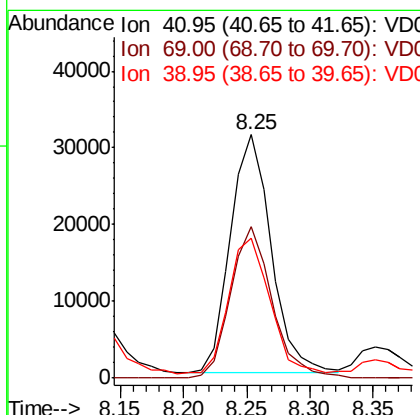
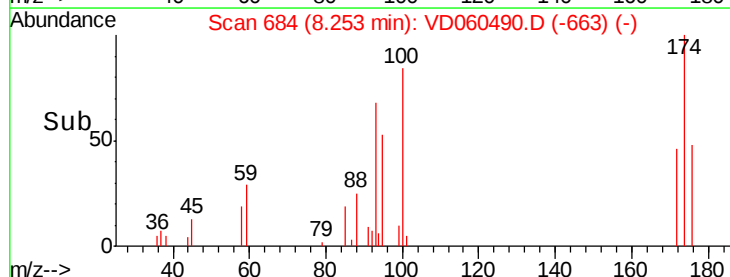
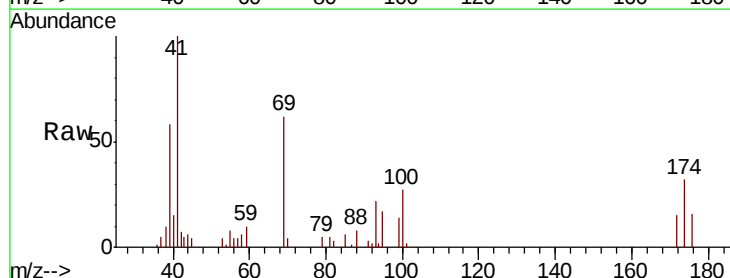
RT: 8.25 min Scan# 684

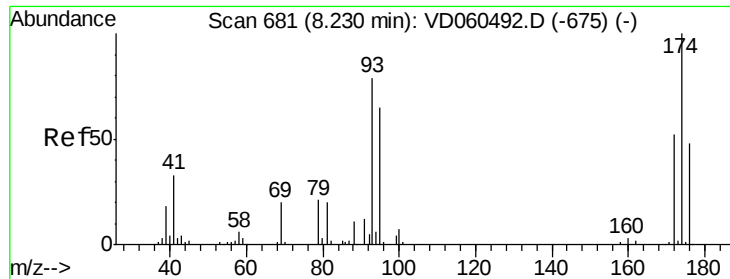
Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Tgt Ion:	41	Resp:	69471
Ion	Ratio	Lower	Upper
41	100		
69	62.1	50.2	75.4
39	57.5	46.1	69.1





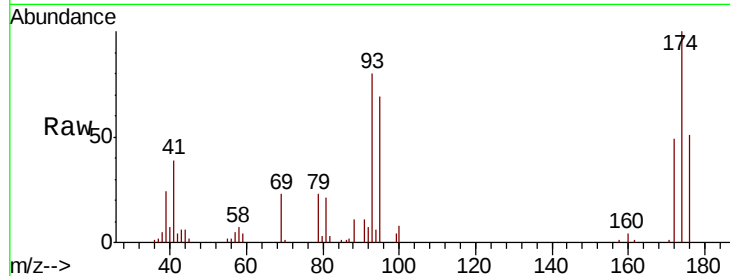
#49
1,4-Dioxane
Concen: 185.691 ug/l
RT: 8.23 min Scan# 682
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

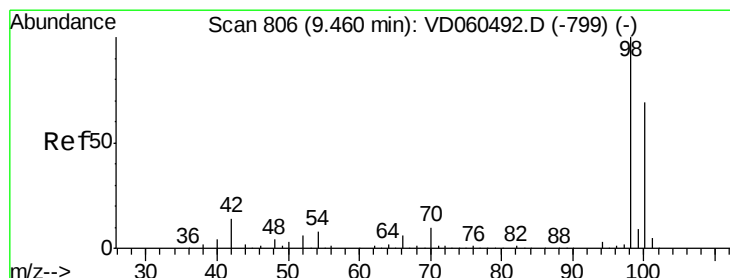
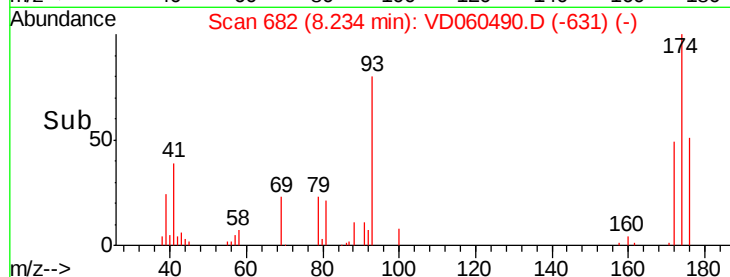
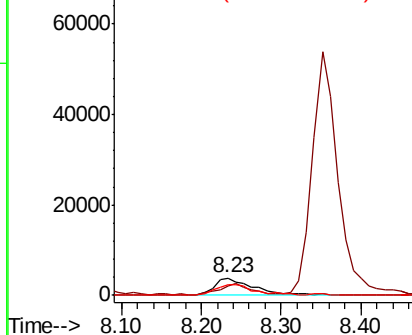
Tgt Ion	Ratio	Lower	Upper
88	100		
43	53.0	32.9	49.3#
58	63.1	47.7	71.5

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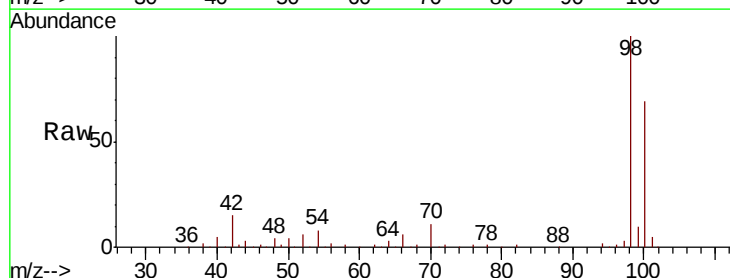


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

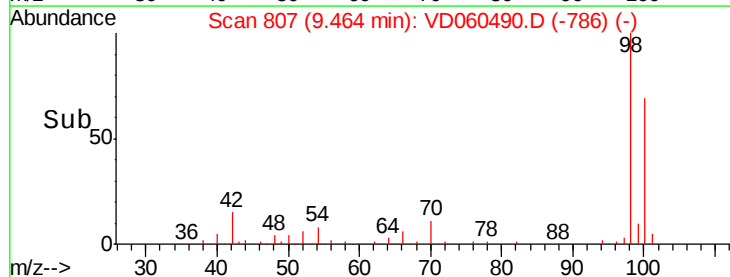
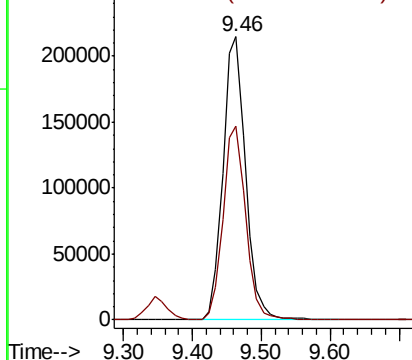


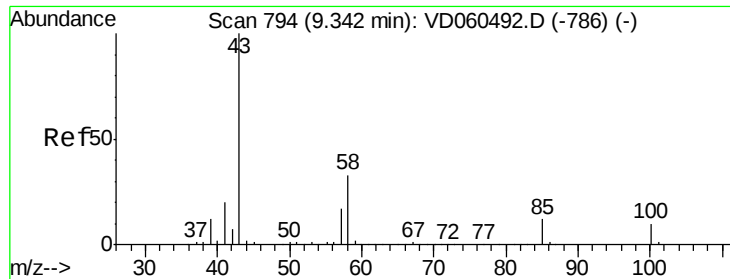
#50
Toluene-d8
Concen: 185.691 ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.6	55.7	83.5



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





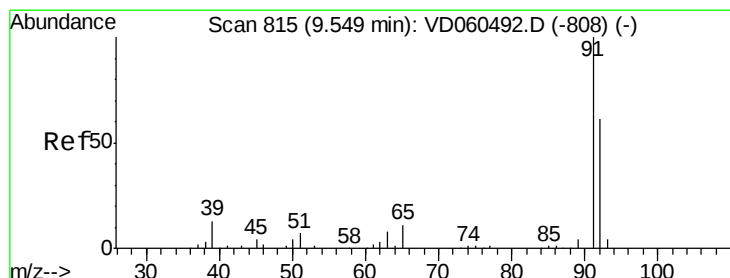
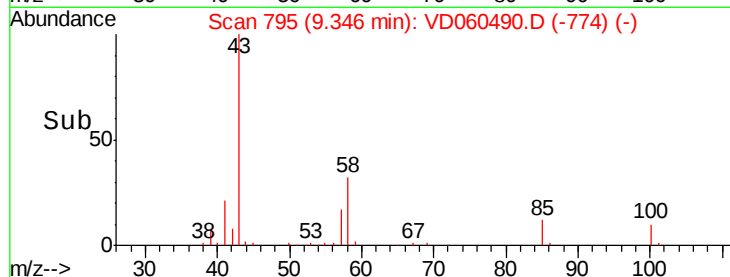
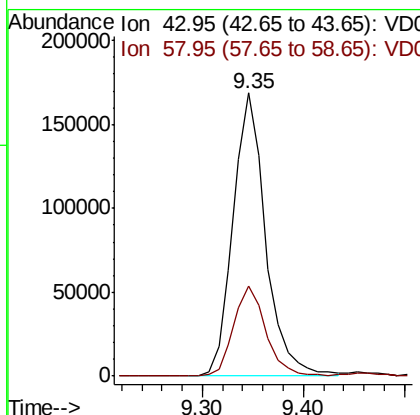
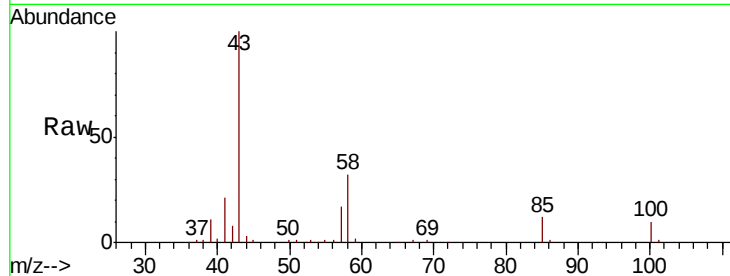
#51
4-Methyl-2-Pentanone
Concen: 44.680 ug/l
RT: 9.35 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 378758
Ion Ratio Lower Upper
43 100
58 32.0 26.3 39.5

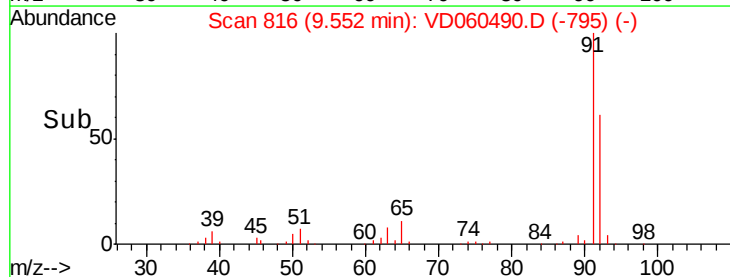
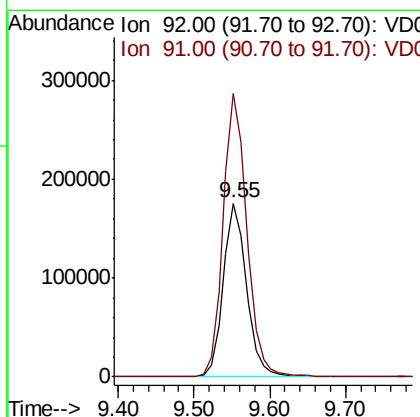
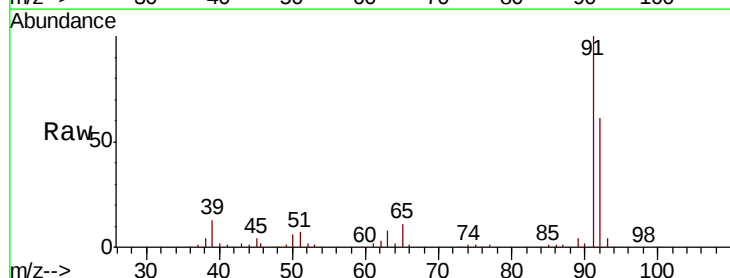
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#52
Toluene
Concen: 10.124 ug/l
RT: 9.55 min Scan# 816
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 92 Resp: 374836
Ion Ratio Lower Upper
92 100
91 163.2 131.7 197.5





#53

t-1,3-Dichloropropene

Concen: 9.487 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 75 Resp: 160426

Ion Ratio Lower Upper

75 100

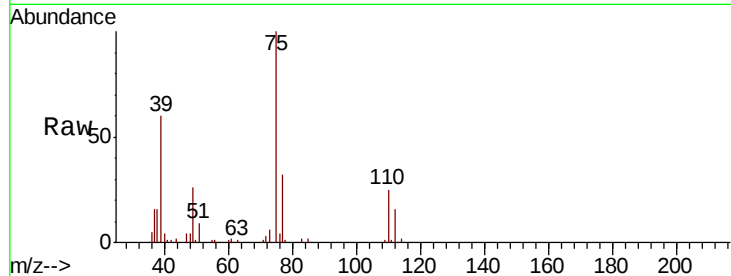
77 31.9 26.2 39.2

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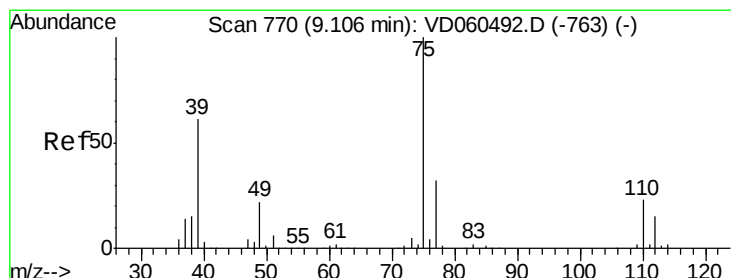
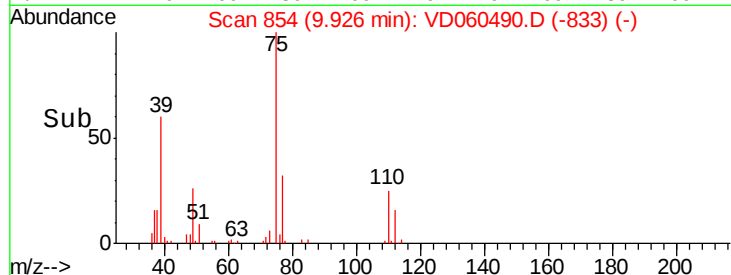
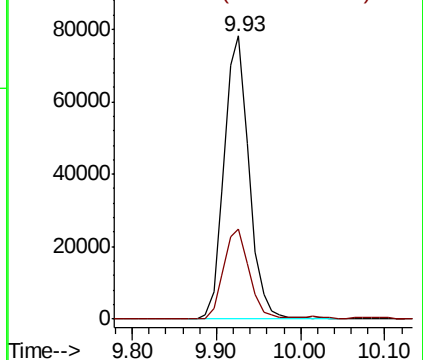
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 9.758 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

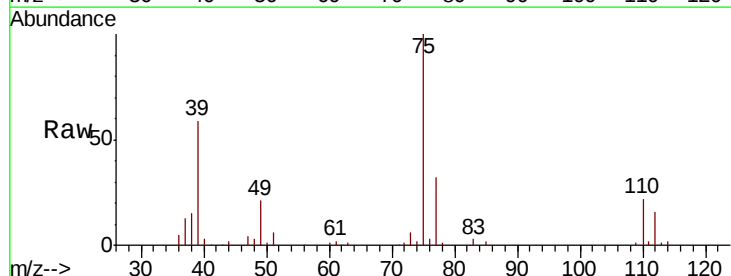
Tgt Ion: 75 Resp: 213373

Ion Ratio Lower Upper

75 100

77 32.5 25.6 38.4

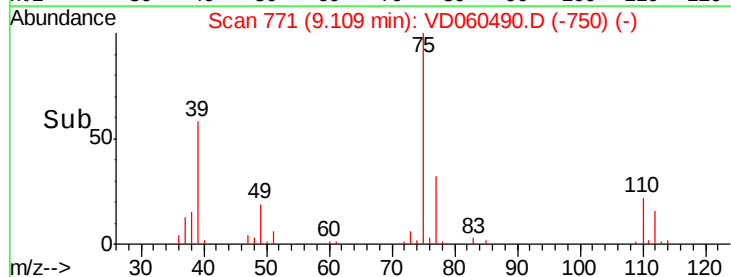
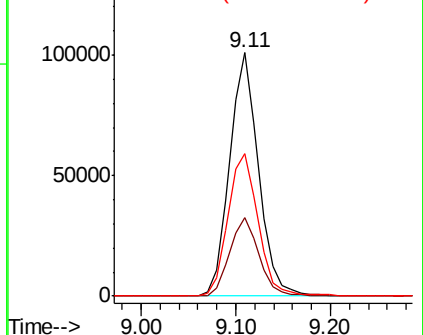
39 58.8 48.6 73.0

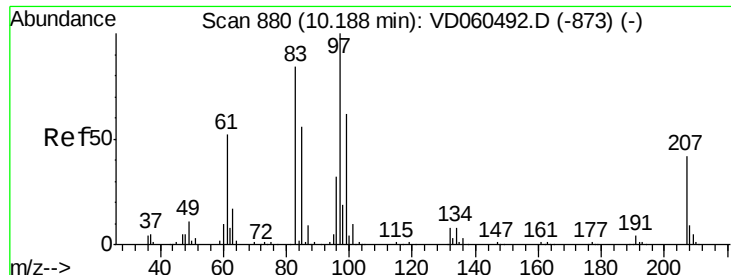


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





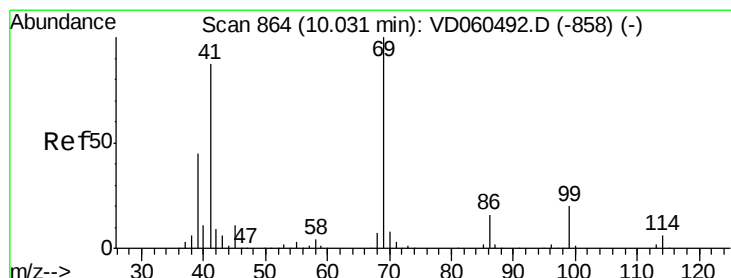
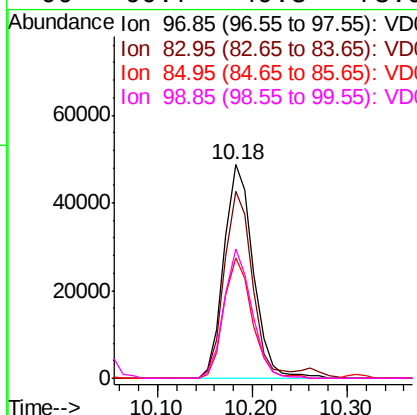
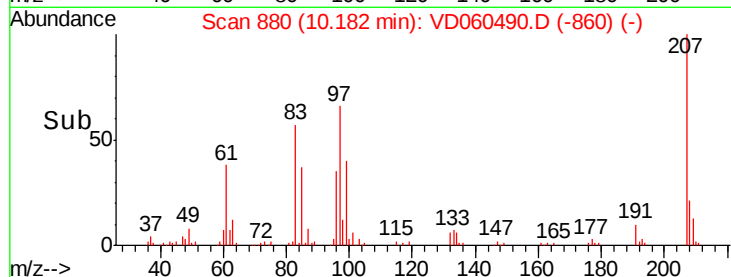
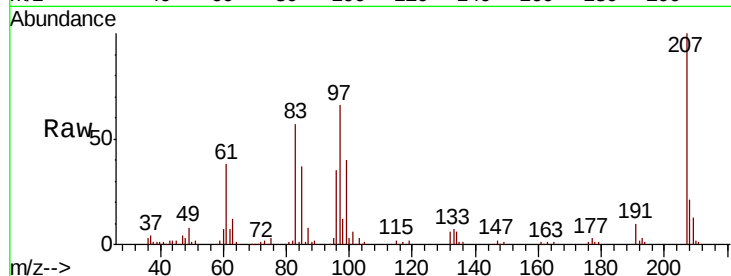
#55
 1,1,2-Trichloroethane
 Concen: 9.735 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	104372		
83	87.5	67.2	100.8	
85	56.4	44.5	66.7	
99	60.7	49.3	73.9	

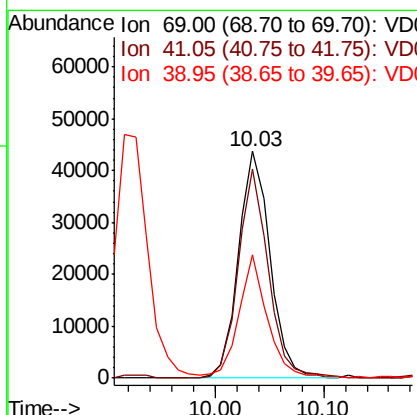
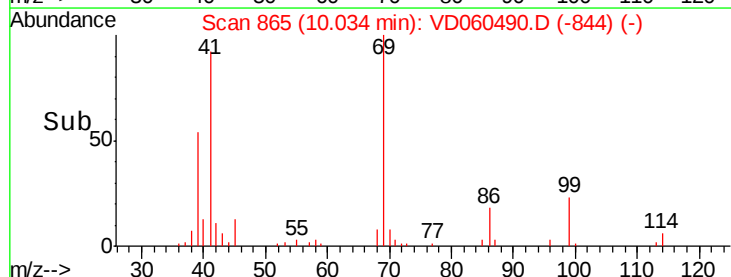
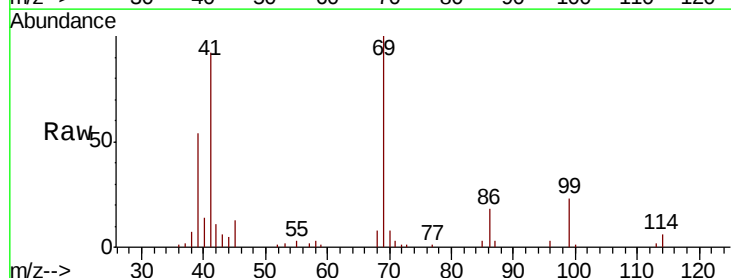
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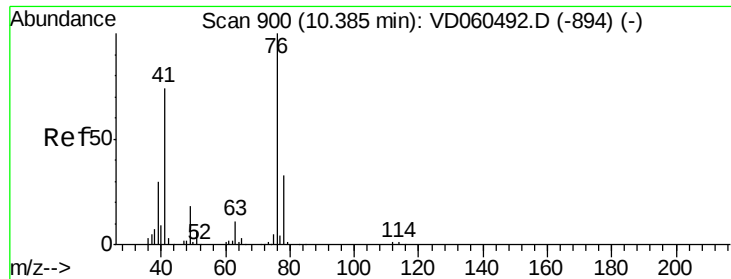
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#56
 Ethyl methacrylate
 Concen: 9.095 ug/l
 RT: 10.03 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	89044		
41	92.5	69.8	104.8	
39	54.3	37.5	56.3	





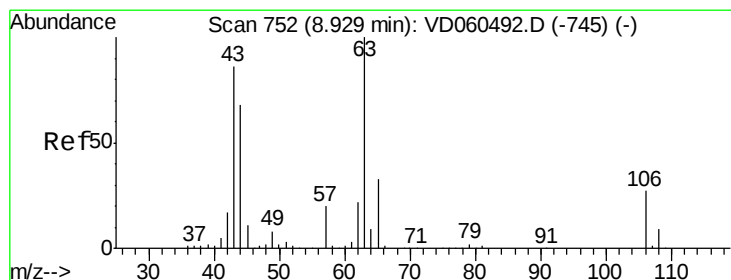
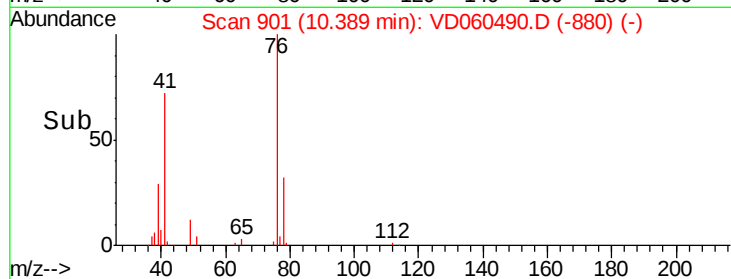
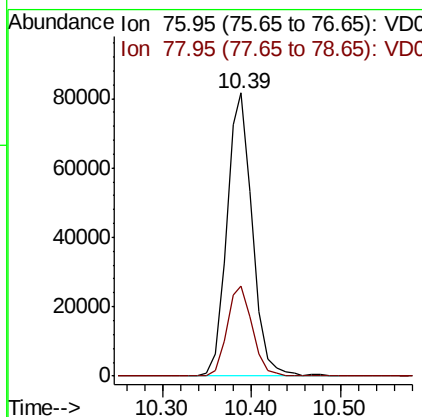
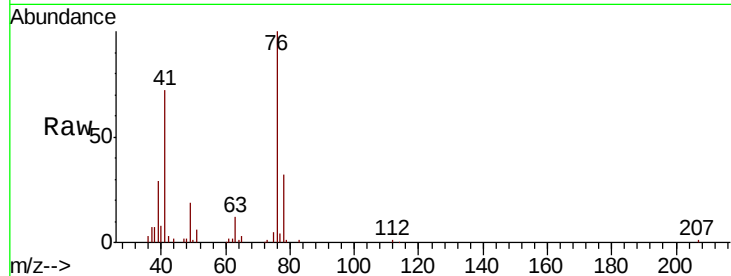
#57
 1,3-Dichloropropane
 Concen: 10.003 ug/l
 RT: 10.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 76 Resp: 162796
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.1 39.1

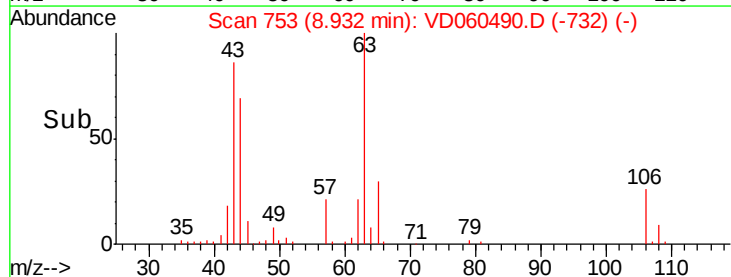
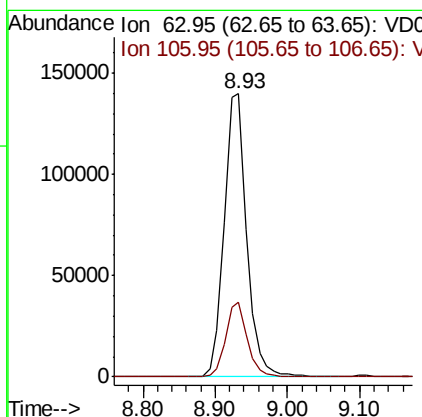
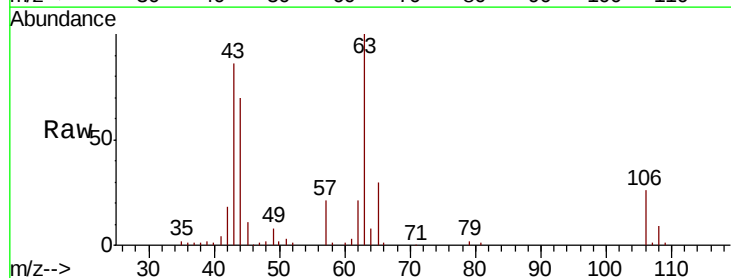
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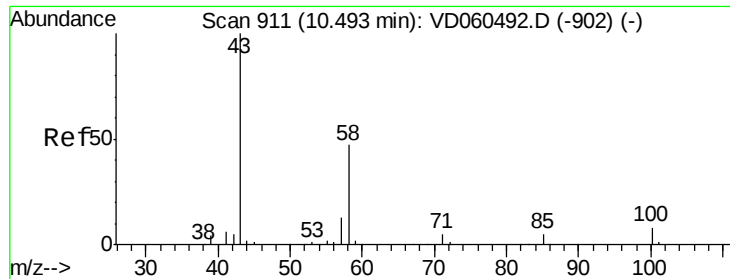
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#58
 2-Chloroethyl Vinyl ether
 Concen: 51.286 ug/l
 RT: 8.93 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion: 63 Resp: 302110
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.6 32.4





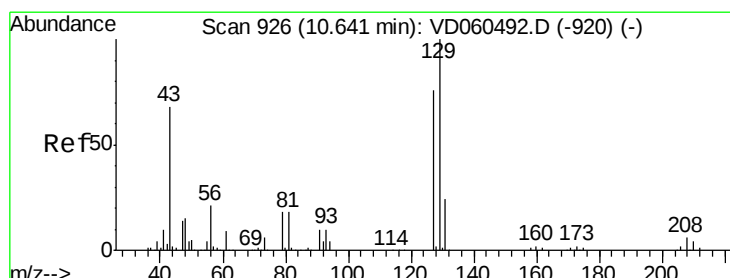
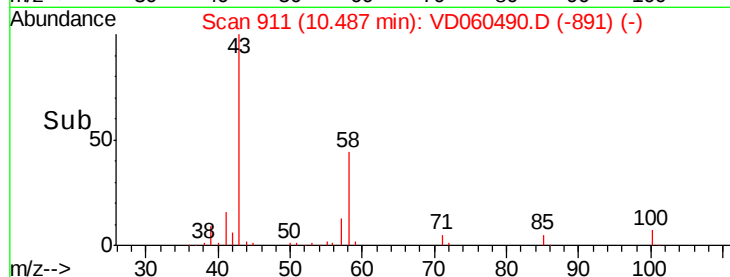
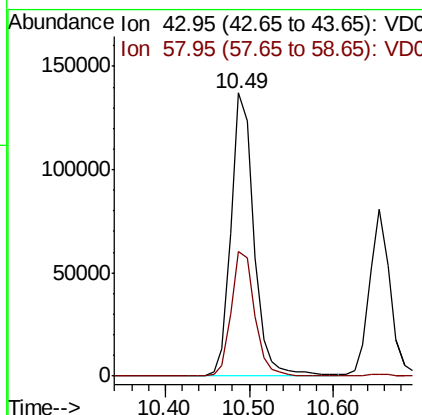
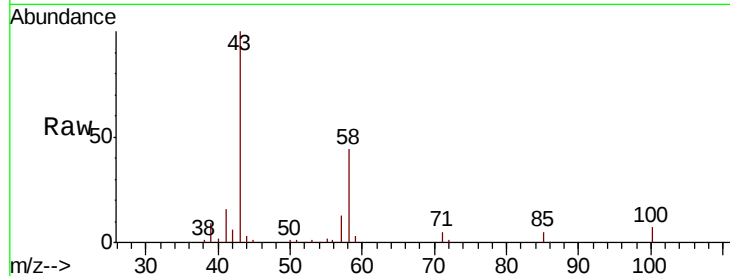
#59
2-Hexanone
Concen: 43.394 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 260718
Ion Ratio Lower Upper
43 100
58 44.0 23.4 70.2

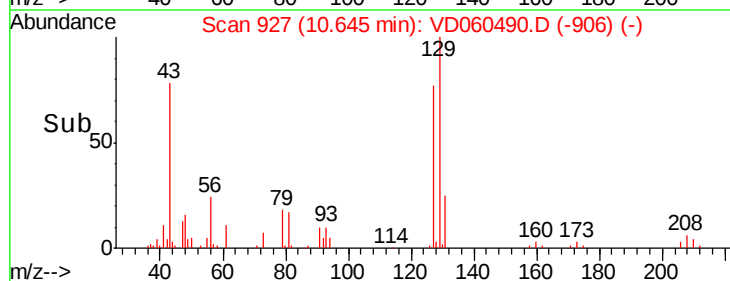
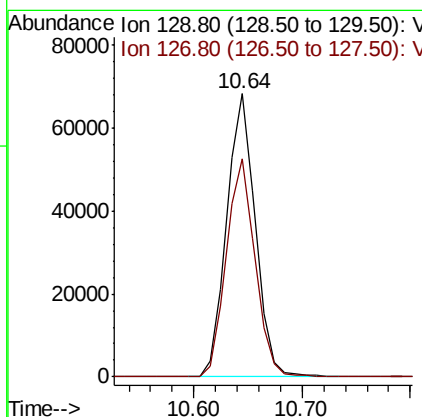
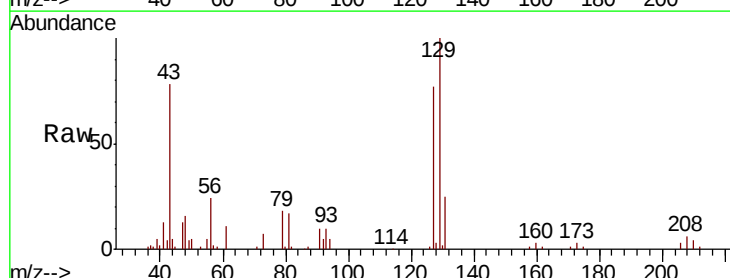
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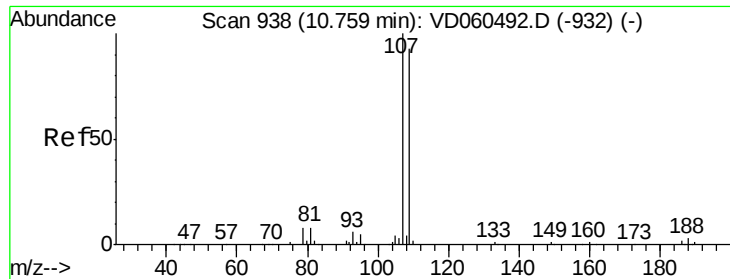
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#60
Dibromochloromethane
Concen: 9.638 ug/l
RT: 10.64 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 129 Resp: 125401
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.3





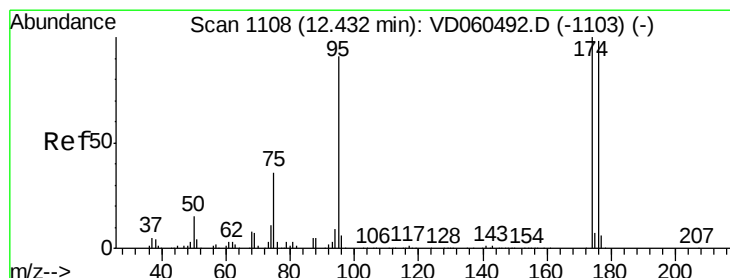
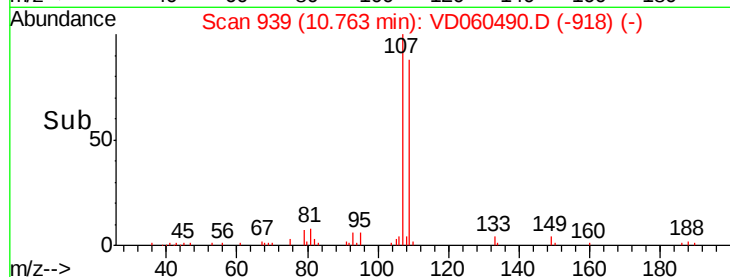
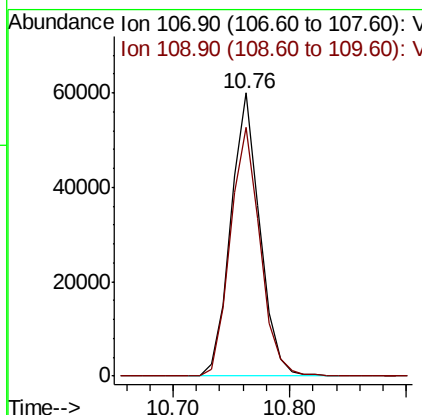
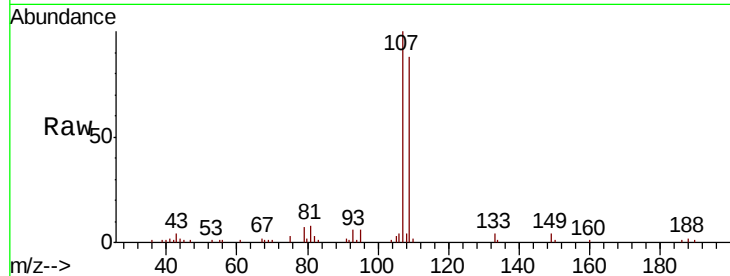
#61
1,2-Dibromoethane
Concen: 9.612 ug/l
RT: 10.76 min Scan# 939
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 107 Resp: 103098
Ion Ratio Lower Upper
107 100
109 88.0 74.7 112.1

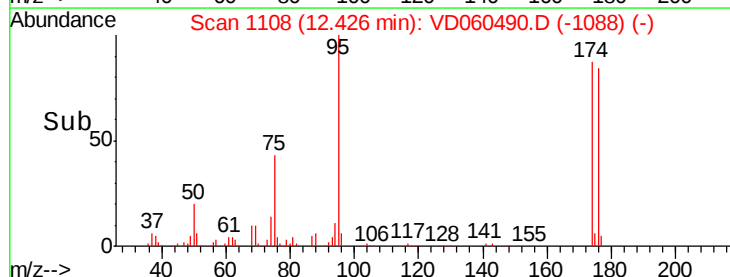
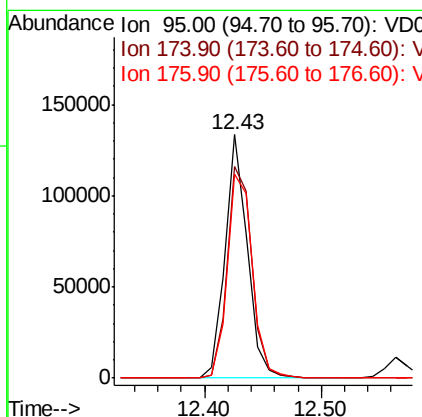
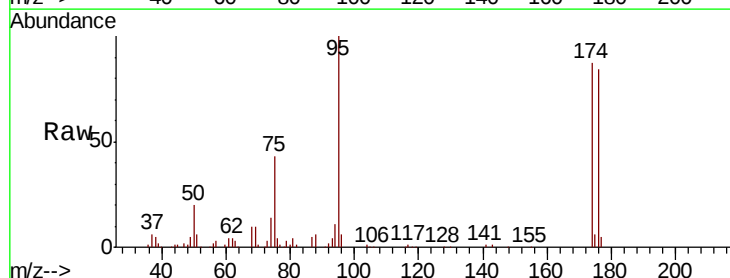
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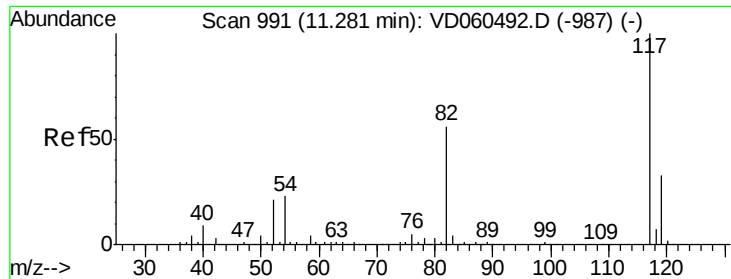
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#62
4-Bromofluorobenzene
Concen: 9.612 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 95 Resp: 175865
Ion Ratio Lower Upper
95 100
174 86.8 0.0 219.4
176 84.0 0.0 214.6





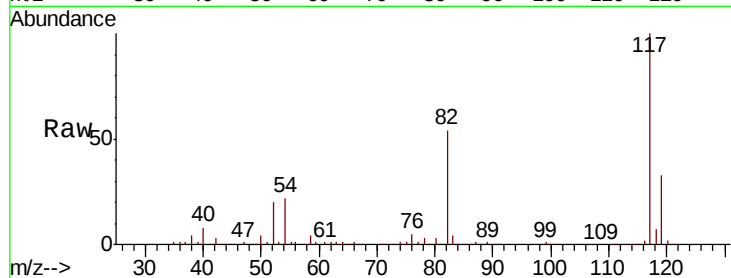
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

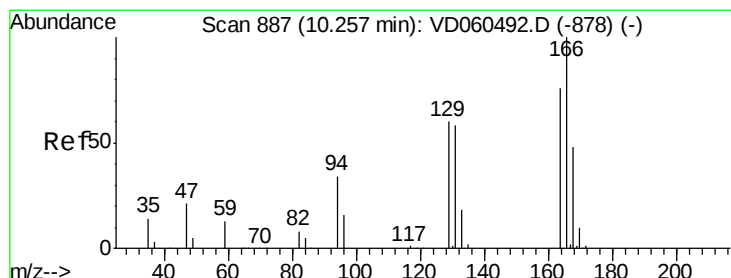
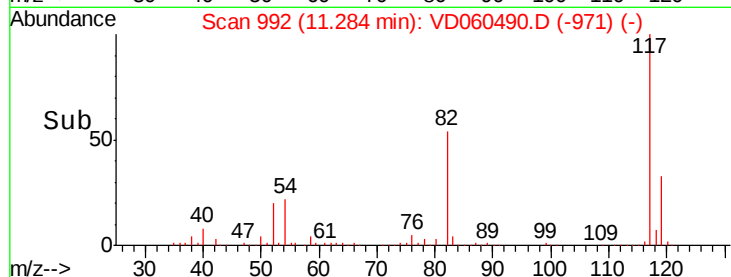
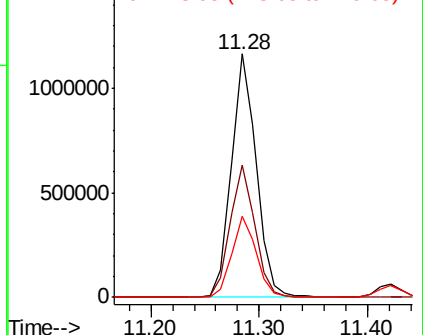
Tgt Ion:117 Resp: 1867710
Ion Ratio Lower Upper
117 100
82 54.5 45.2 67.8
119 33.4 26.1 39.1

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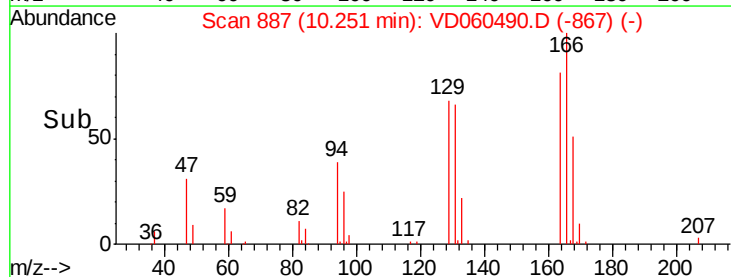
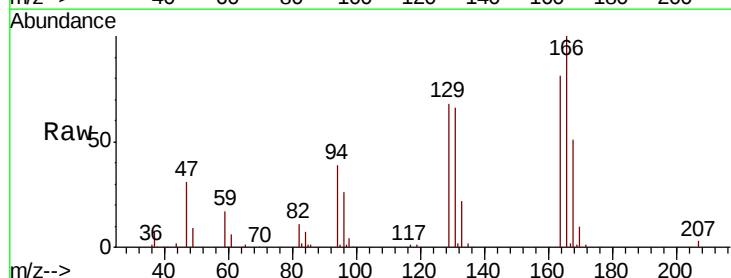
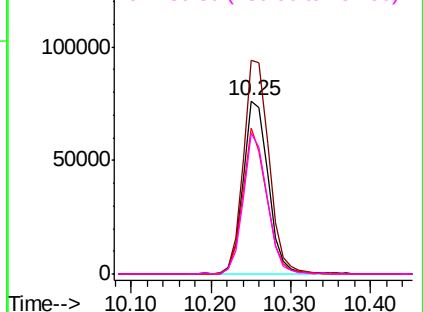
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 9.831 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion:164 Resp: 164376
Ion Ratio Lower Upper
164 100
166 123.5 105.0 157.6
129 84.2 63.0 94.4
131 81.2 60.6 90.8

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





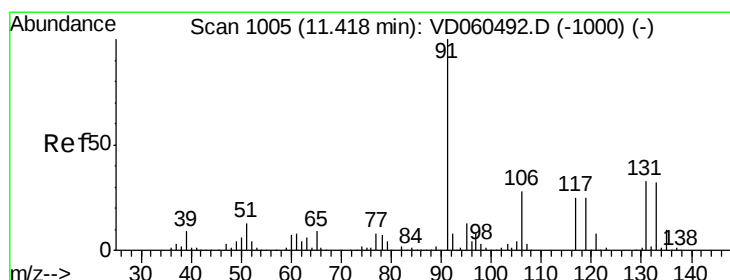
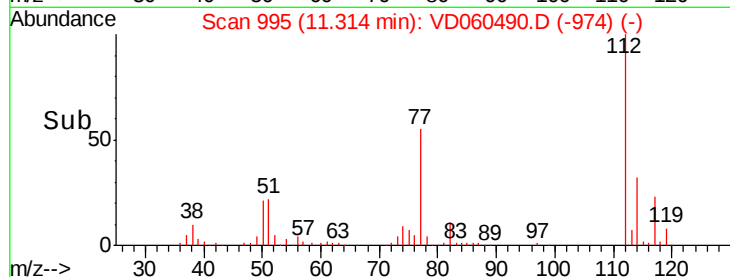
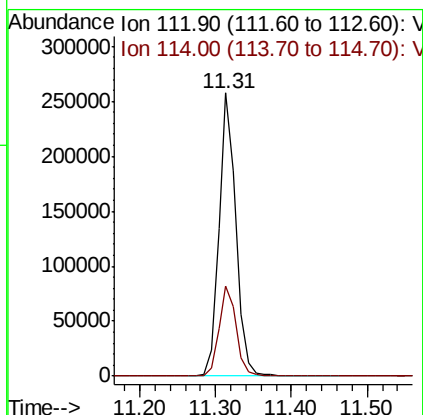
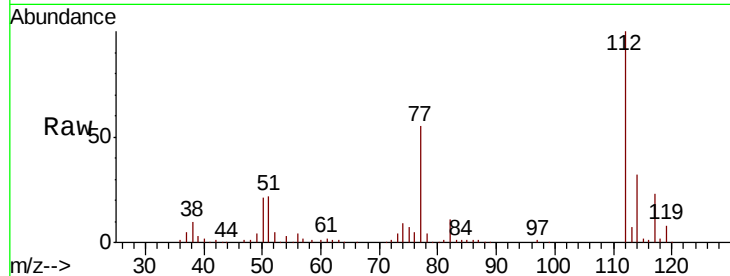
#65
Chlorobenzene
Concen: 9.977 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:112 Resp: 402578
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4

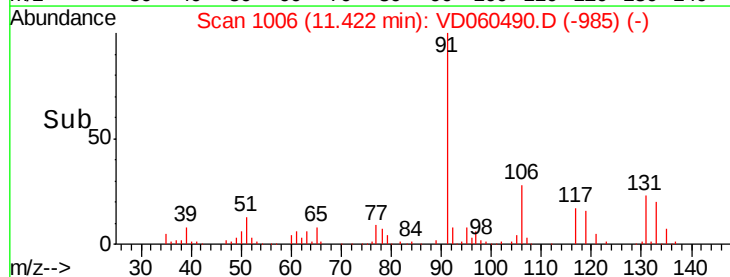
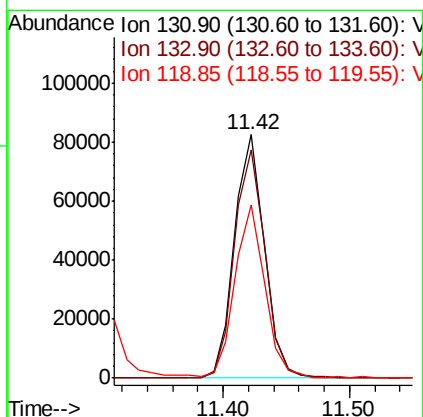
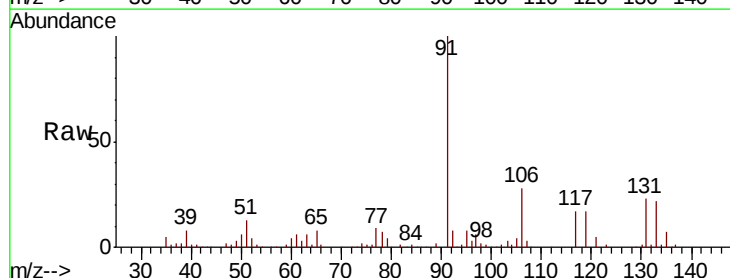
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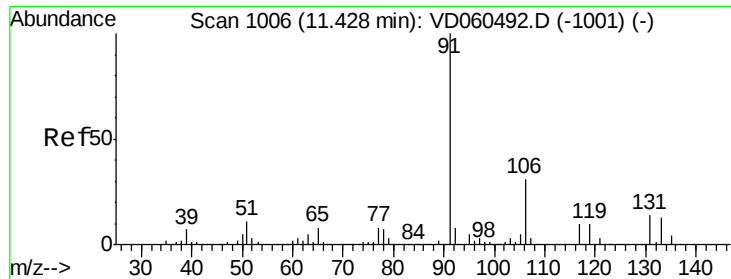
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.257 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion:131 Resp: 135347
Ion Ratio Lower Upper
131 100
133 93.6 49.1 147.3
119 71.4 37.5 112.3





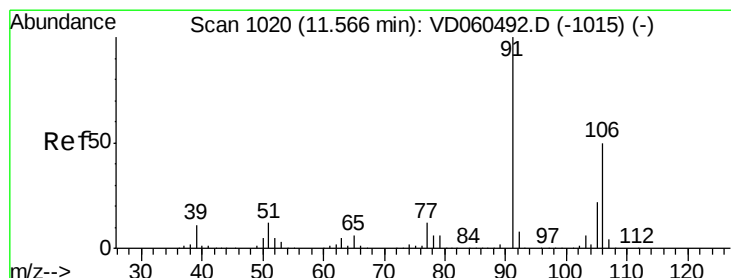
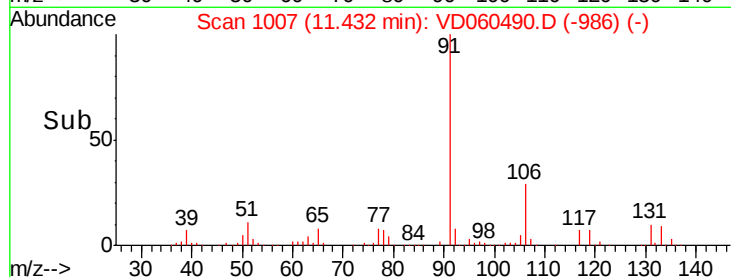
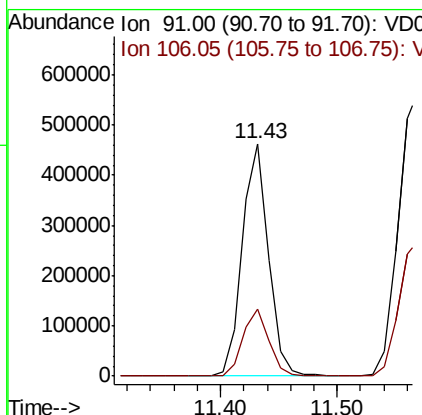
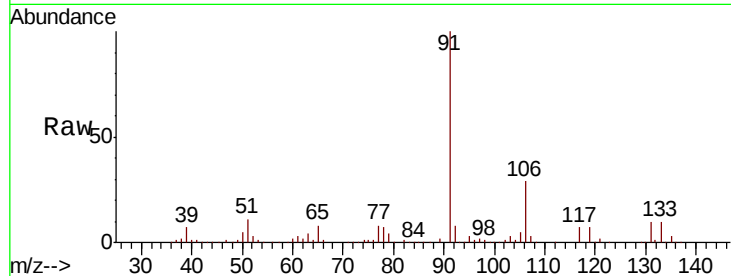
#67
Ethyl Benzene
Concen: 10.382 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 719200
Ion Ratio Lower Upper
91 100
106 29.0 24.6 37.0

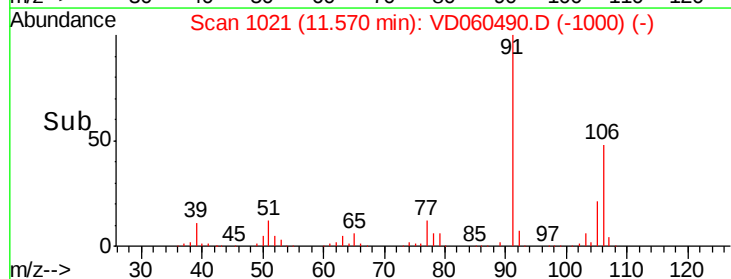
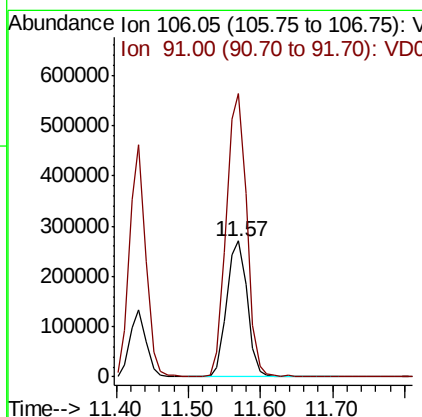
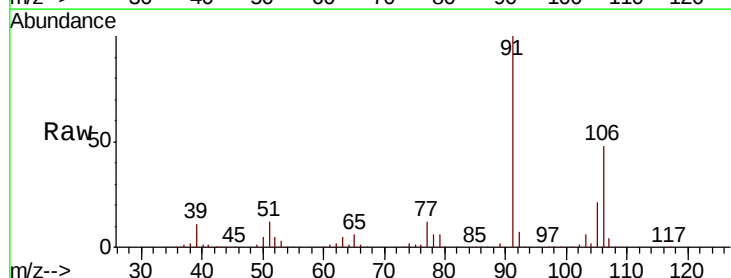
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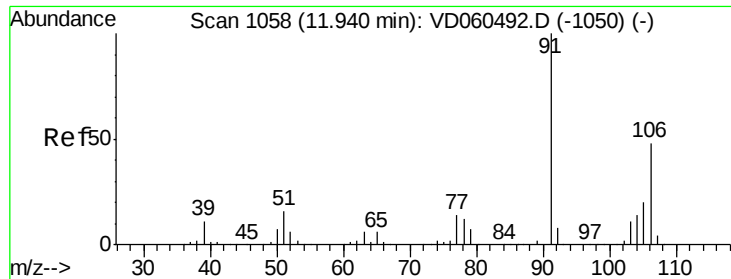
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#68
m/p-Xylenes
Concen: 20.994 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 106 Resp: 535132
Ion Ratio Lower Upper
106 100
91 207.9 160.5 240.7





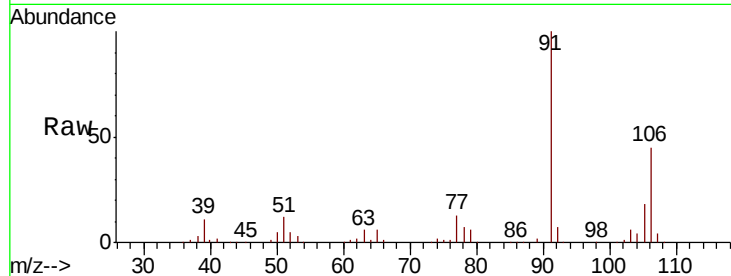
#69
o-Xylene
Concen: 9.891 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

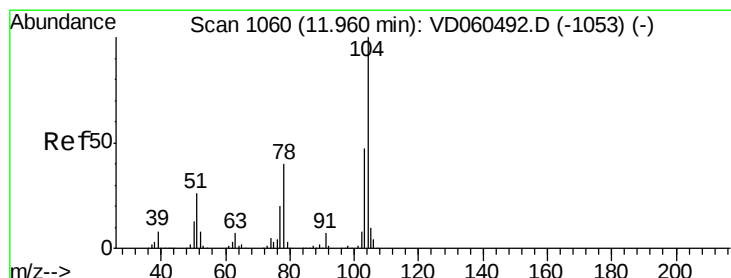
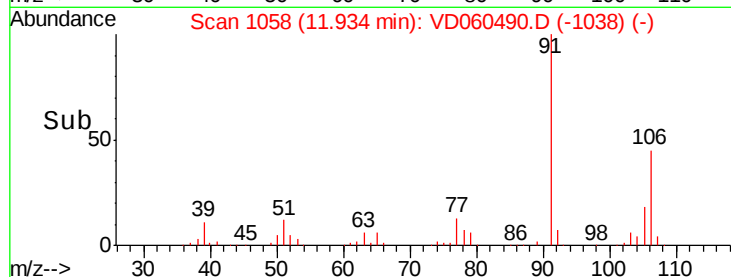
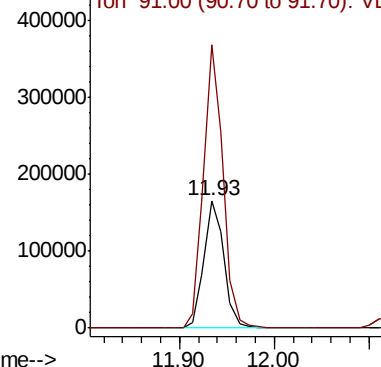
Tgt Ion:106 Resp: 243338
Ion Ratio Lower Upper
106 100
91 221.7 103.4 310.1

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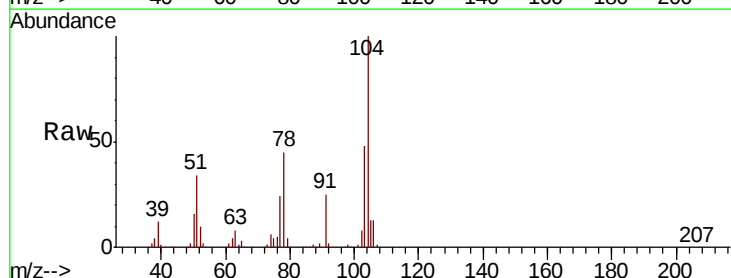


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

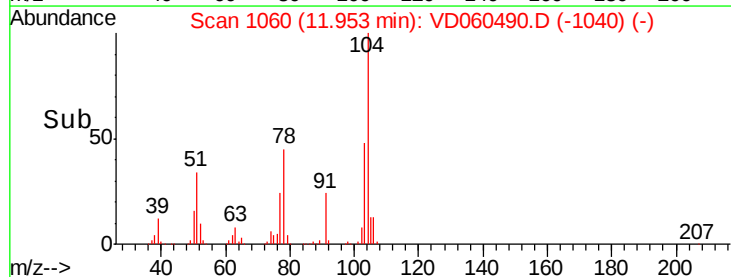
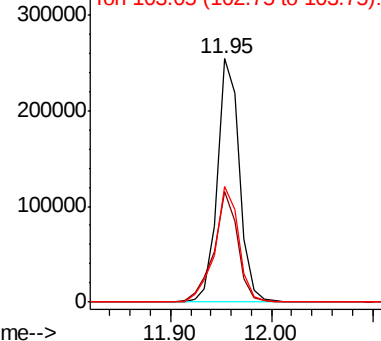


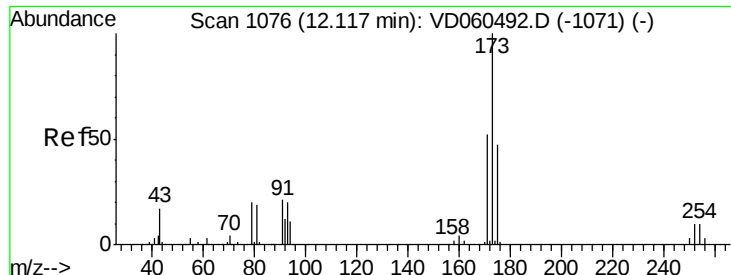
#70
Styrene
Concen: 9.674 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion:104 Resp: 386616
Ion Ratio Lower Upper
104 100
78 45.4 32.1 48.1
103 47.6 37.2 55.8



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: 8.782 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

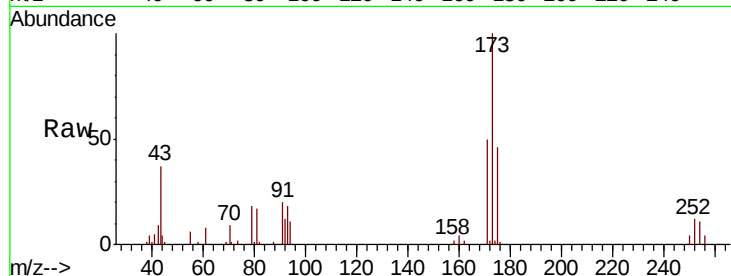
ClientSampleId :

VSTDIC010

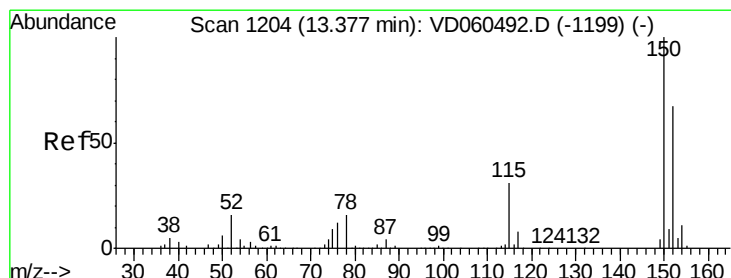
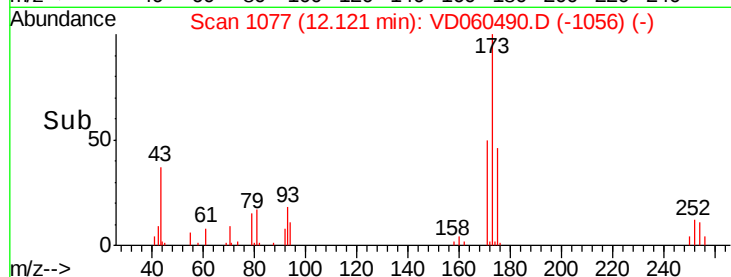
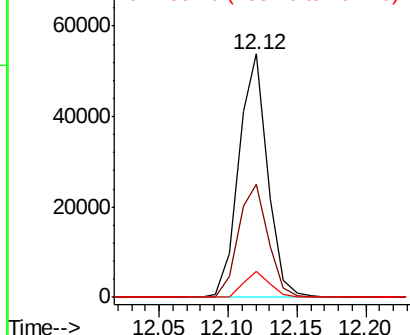
Tgt Ion:	173	Resp:	78126
Ion Ratio	Lower	Upper	
173	100		
175	46.2	23.5	70.6
254	10.6	7.8	11.8

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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: 50.000 ug/l

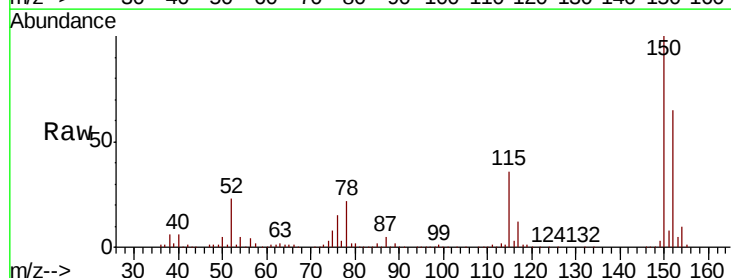
RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

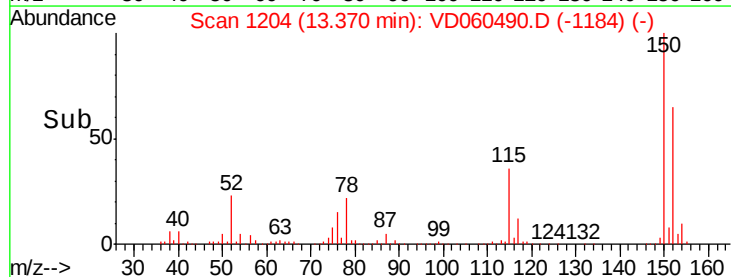
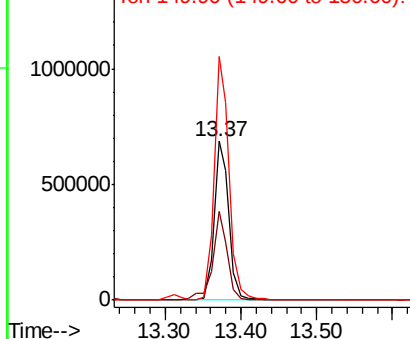
Lab File: VD060490.D

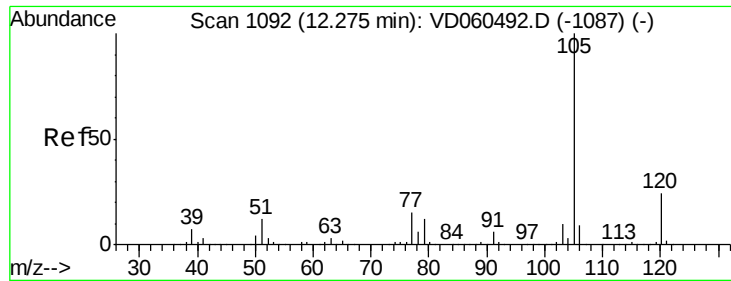
Acq: 5 Dec 2018 14:08

Tgt Ion:	152	Resp:	941702
Ion Ratio	Lower	Upper	
152	100		
115	55.5	24.6	74.0
150	153.2	0.0	309.0



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: 9.957 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 105 Resp: 685519

Ion Ratio Lower Upper

105 100

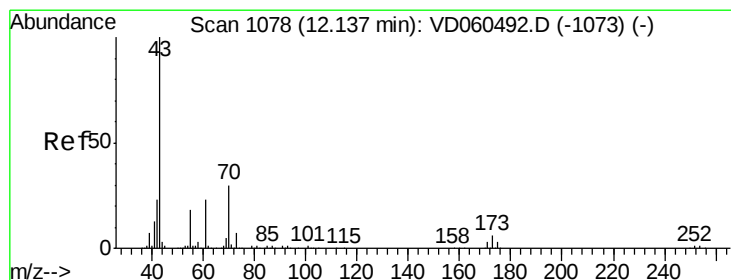
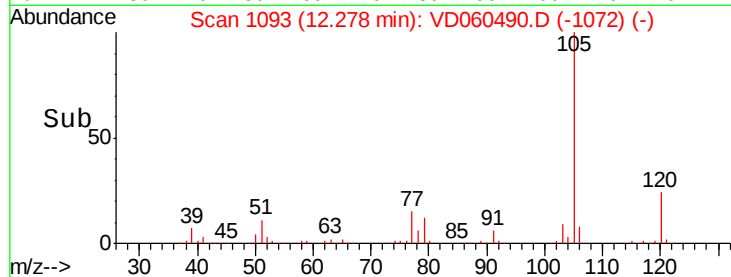
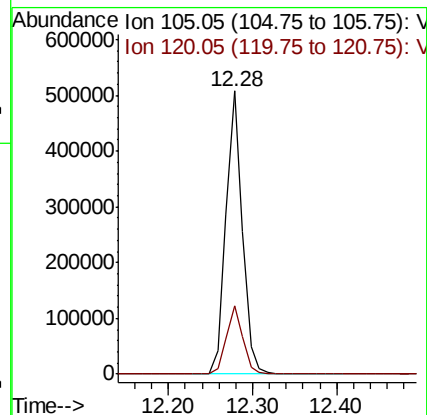
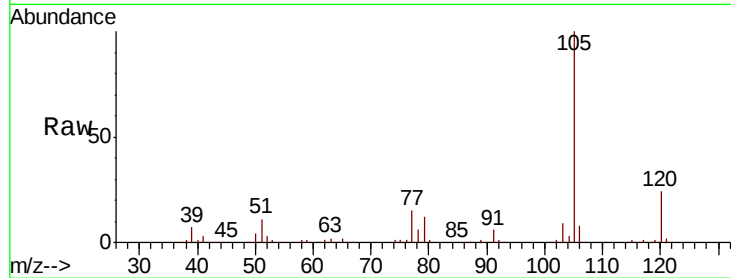
120 24.2 11.9 35.9

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#74

N-ethyl acetate

Concen: 8.602 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Tgt Ion: 43 Resp: 150943

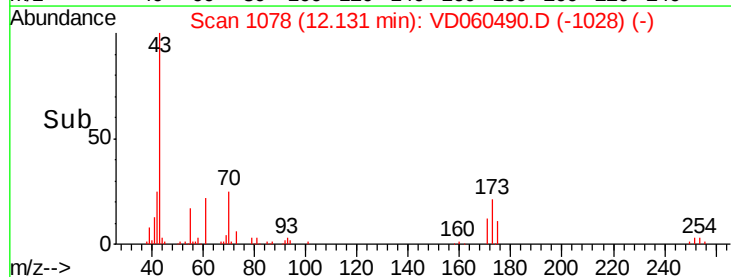
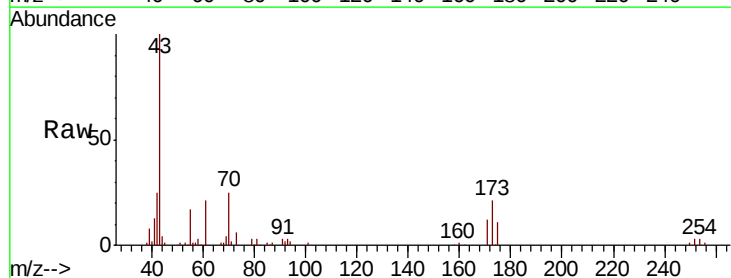
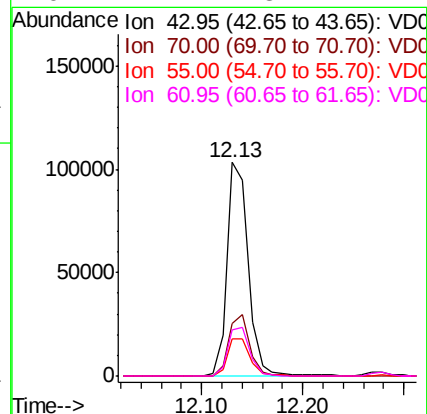
Ion Ratio Lower Upper

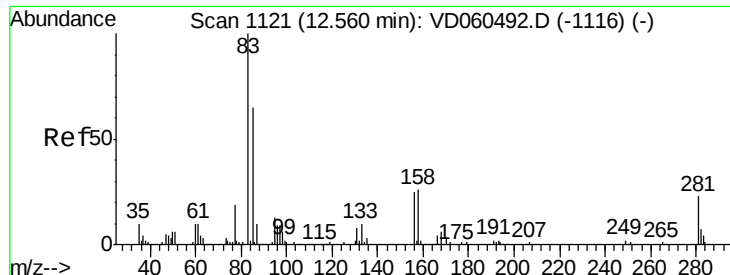
43 100

70 24.6 23.8 35.8

55 17.2 14.2 21.2

61 21.4 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 9.554 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 106458
Ion Ratio Lower Upper

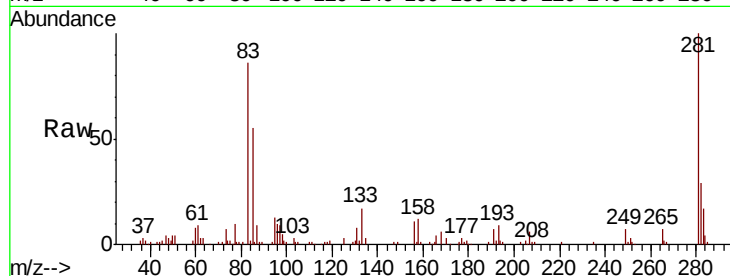
83 100

131 9.3 3.8 11.4

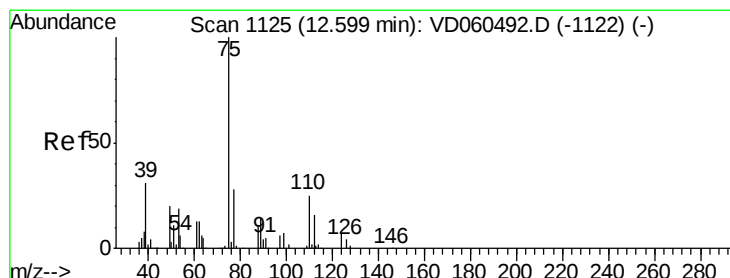
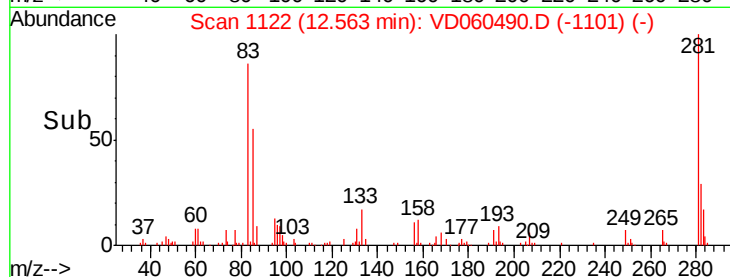
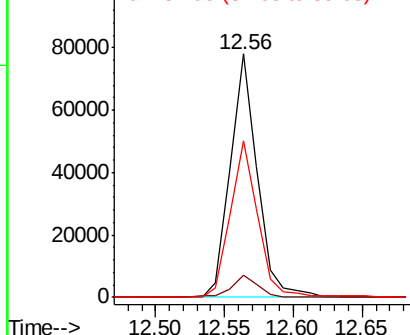
85 64.2 32.3 96.9

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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: 9.586 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. 0.00 min

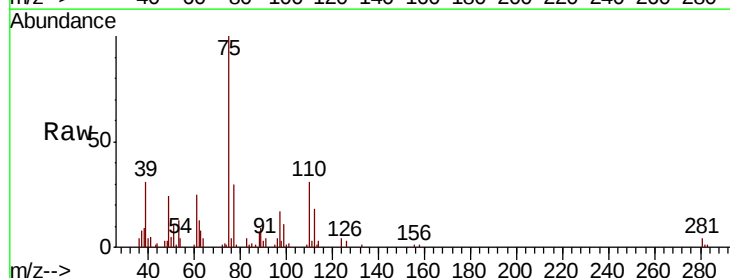
Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

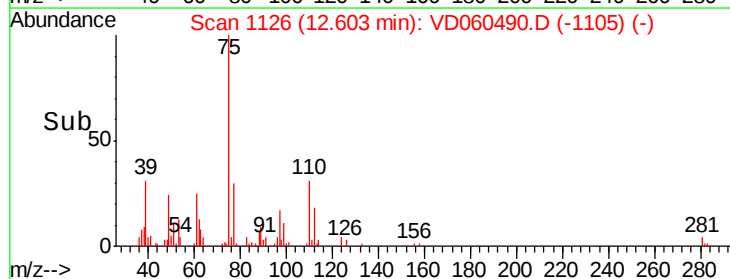
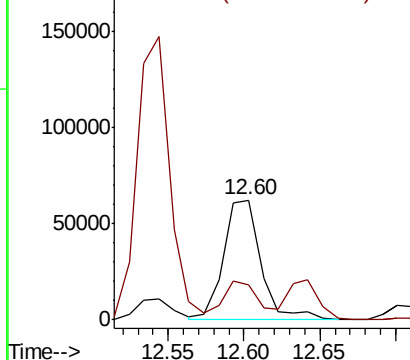
Tgt Ion: 75 Resp: 107532
Ion Ratio Lower Upper

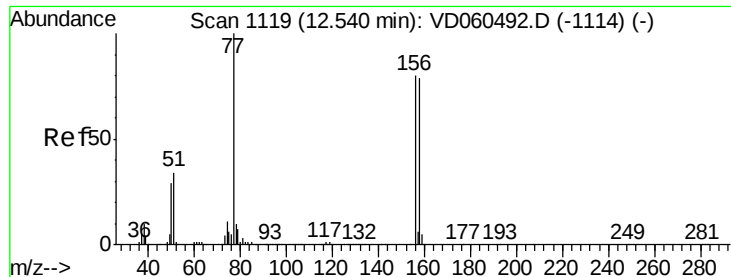
75 100

77 29.5 16.4 49.4



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





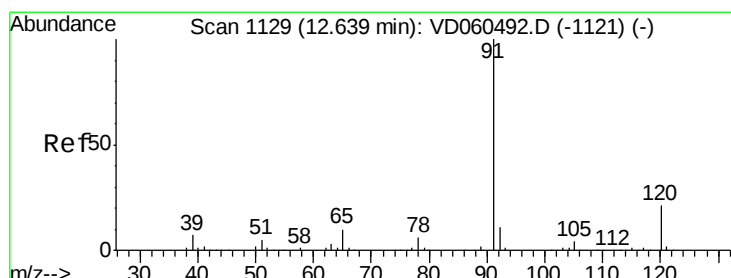
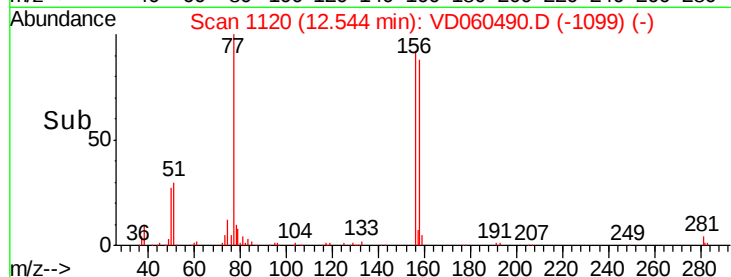
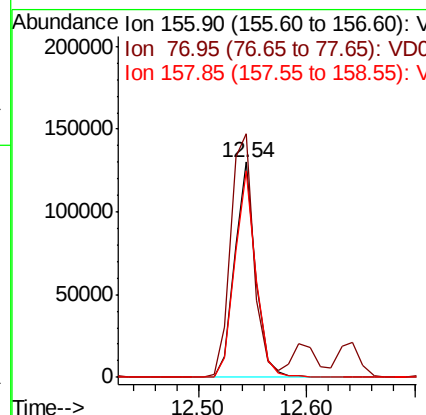
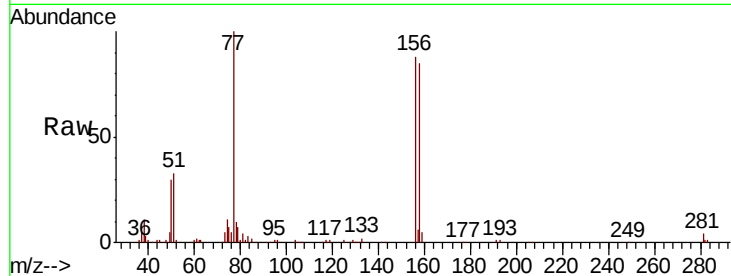
#77
Bromobenzene
Concen: 9.560 ug/l
RT: 12.54 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
156	100		
77	113.2	62.5	187.6
158	96.1	49.4	148.2

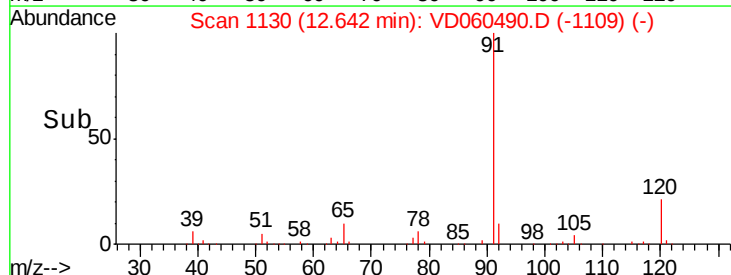
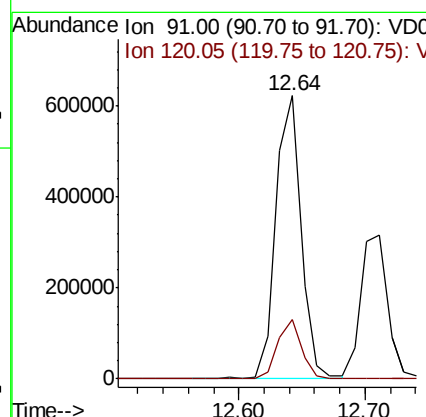
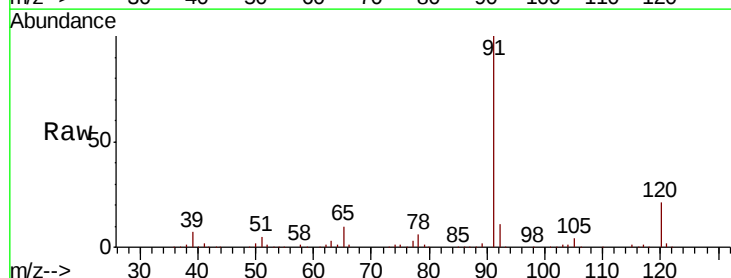
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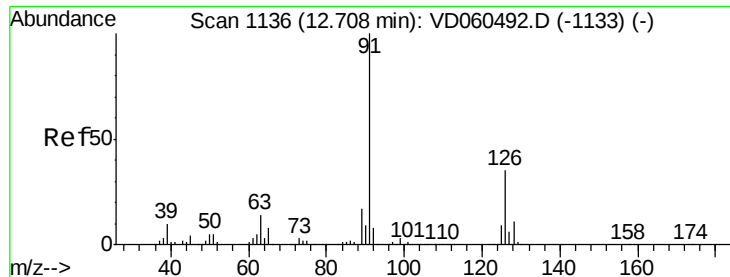
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#78
n-propylbenzene
Concen: 10.237 ug/l
RT: 12.64 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.4	31.1





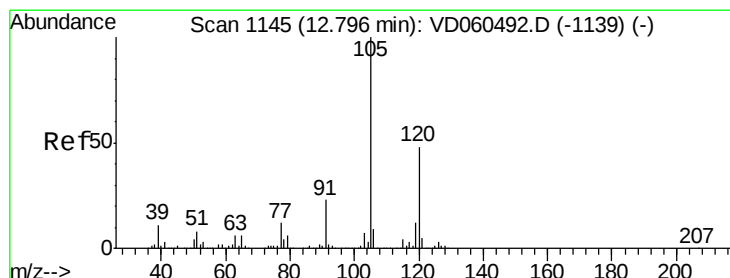
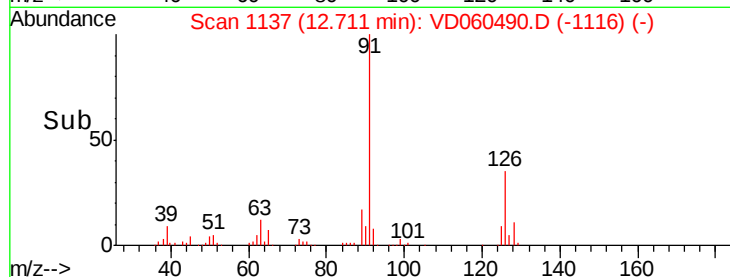
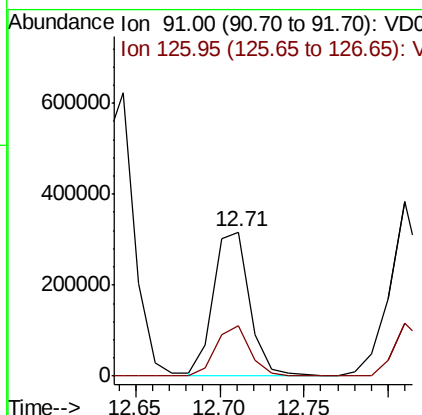
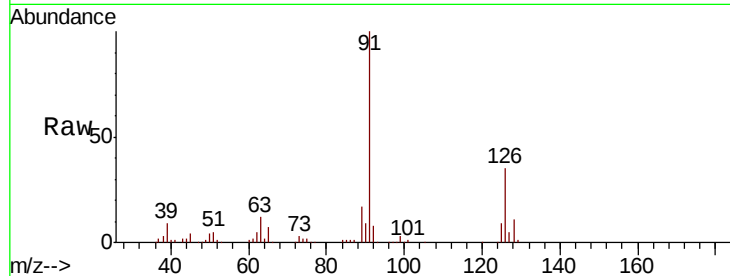
#79
2-Chlorotoluene
Concen: 10.091 ug/l
RT: 12.71 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 474243
Ion Ratio Lower Upper
91 100
126 34.8 17.3 52.0

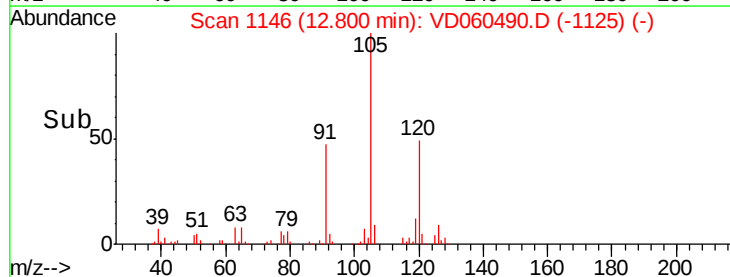
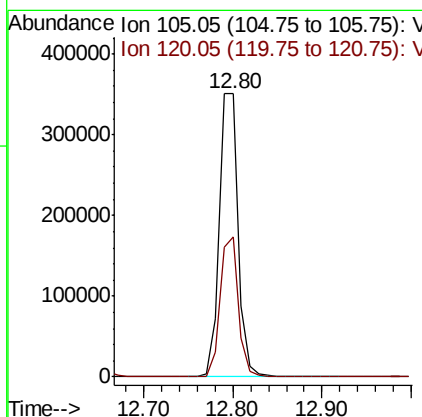
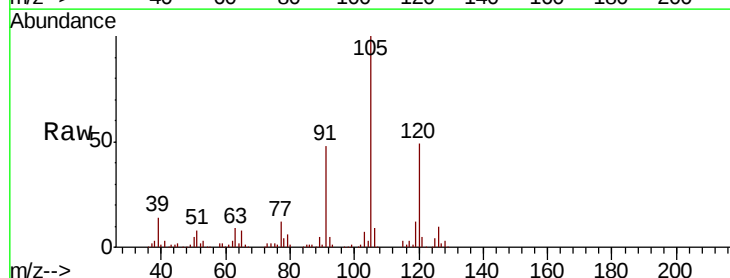
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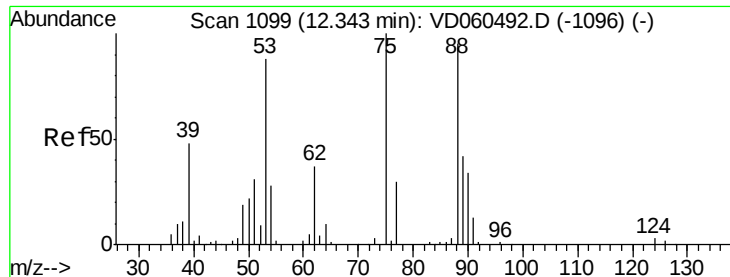
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 9.872 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 105 Resp: 523841
Ion Ratio Lower Upper
105 100
120 49.3 24.2 72.6





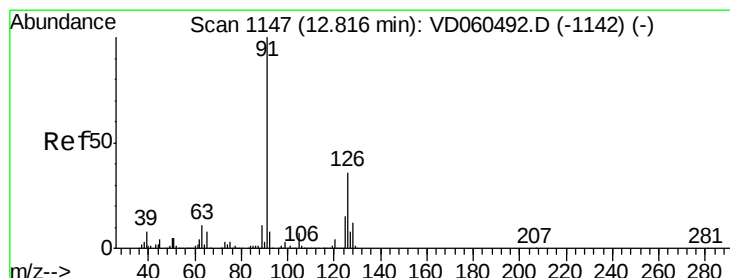
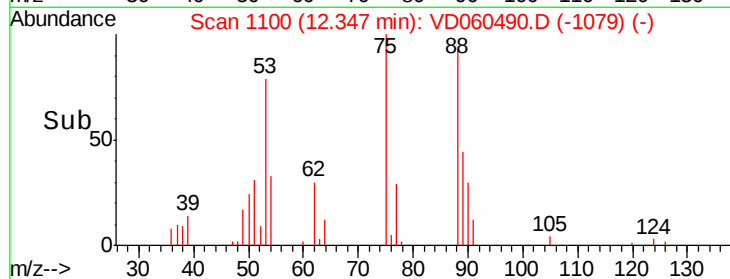
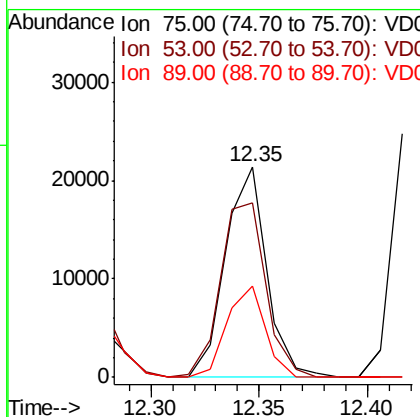
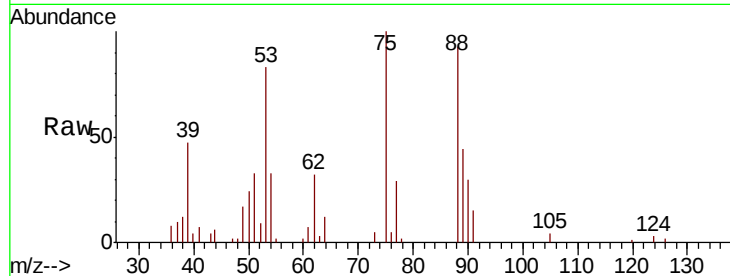
#81
trans-1,4-Dichloro-2-butene
Concen: 8.889 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 75 Resp: 28406
Ion Ratio Lower Upper
75 100
53 82.6 70.5 105.7
89 43.5 33.6 50.4

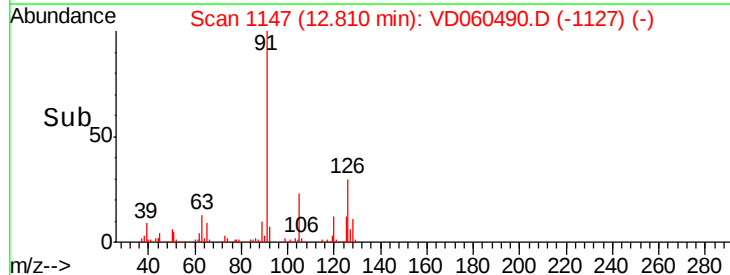
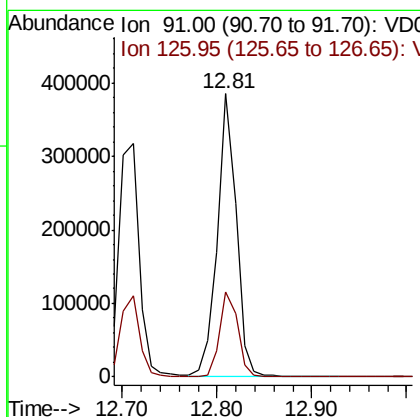
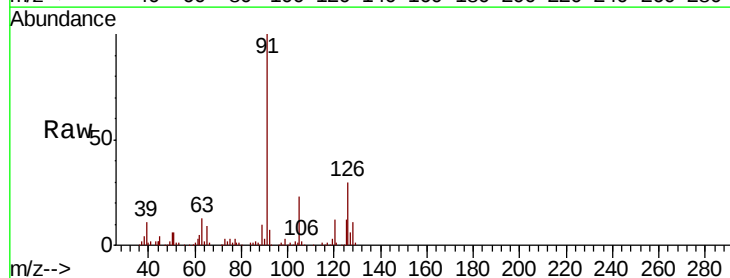
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#82
4-Chlorotoluene
Concen: 10.108 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 91 Resp: 531695
Ion Ratio Lower Upper
91 100
126 30.0 17.8 53.4





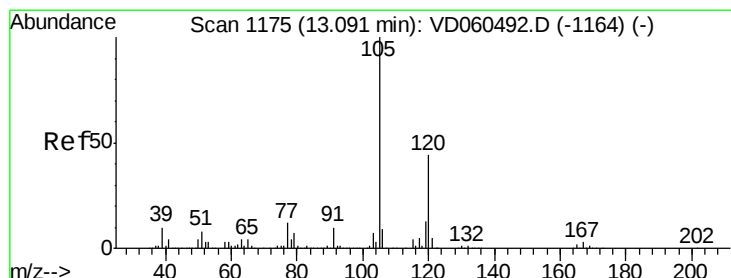
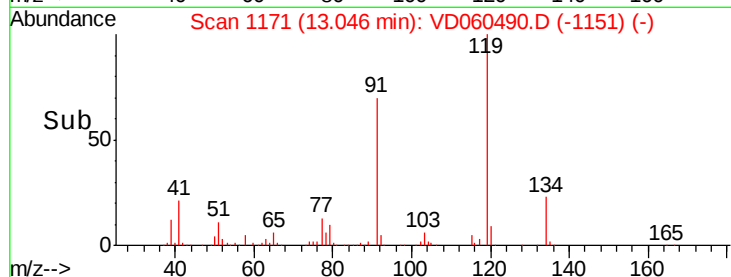
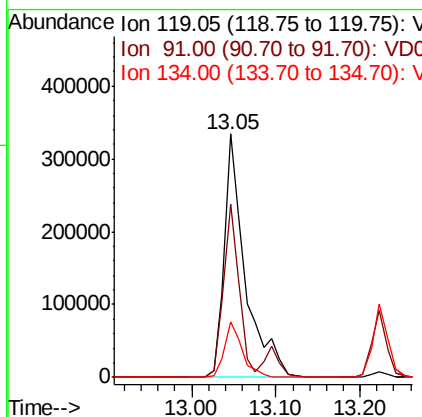
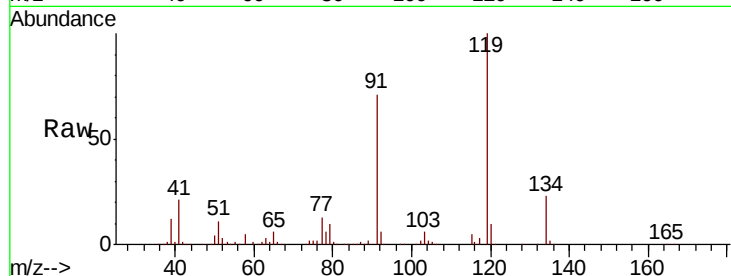
#83
tert-Butylbenzene
Concen: 9.849 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	581813		
91	70.9	33.1	99.2	
134	22.9	12.0	36.0	

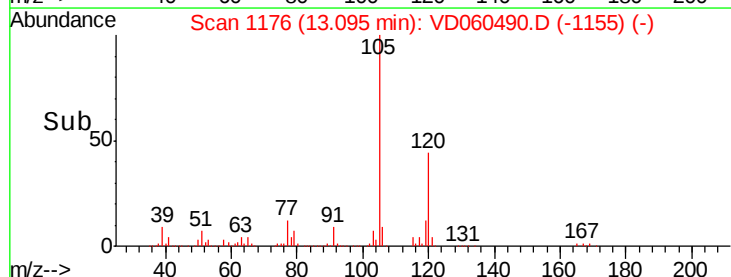
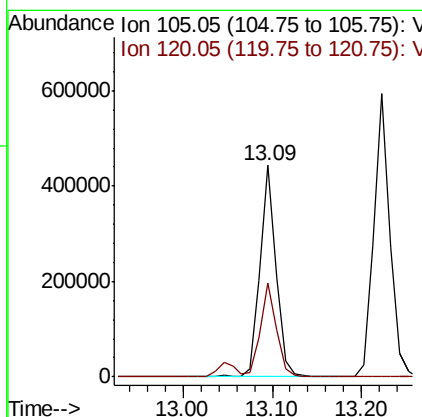
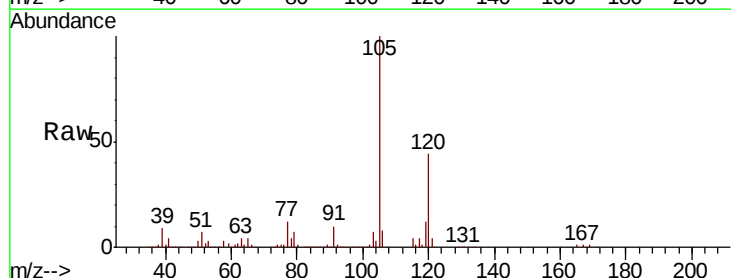
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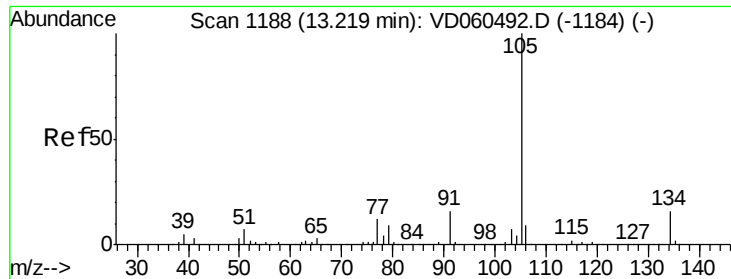
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#84
1,2,4-Trimethylbenzene
Concen: 10.278 ug/l
RT: 13.09 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	546365		
120	44.3	22.3	66.8	





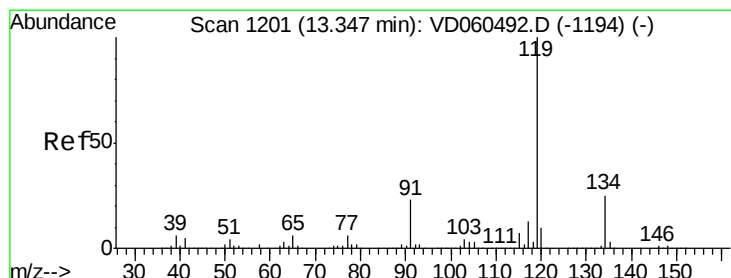
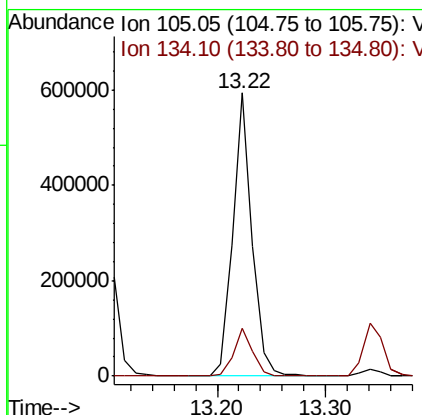
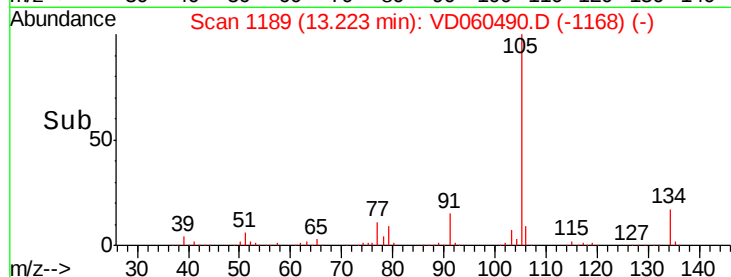
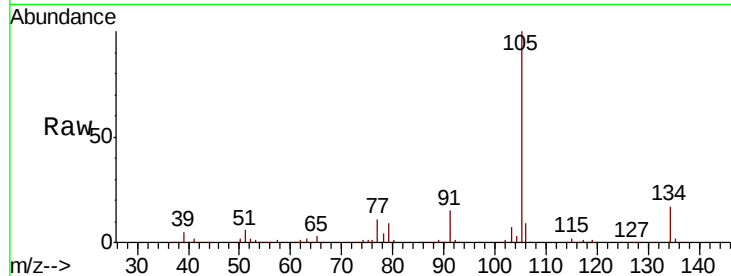
#85
 sec-Butylbenzene
 Concen: 10.078 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:105 Resp: 726885
 Ion Ratio Lower Upper
 105 100
 134 16.9 7.9 23.7

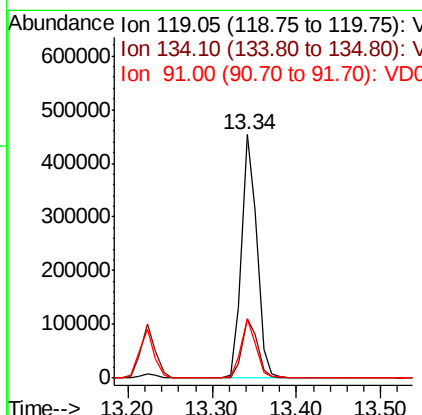
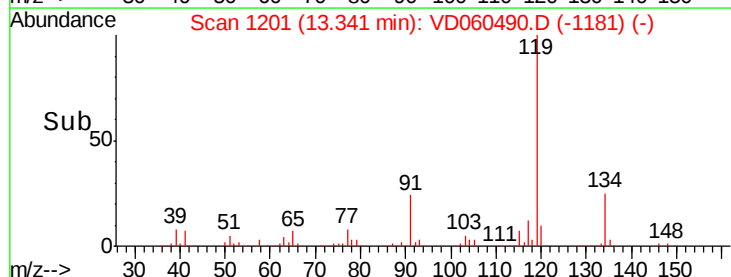
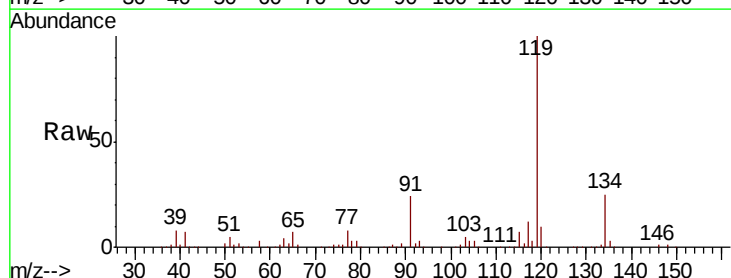
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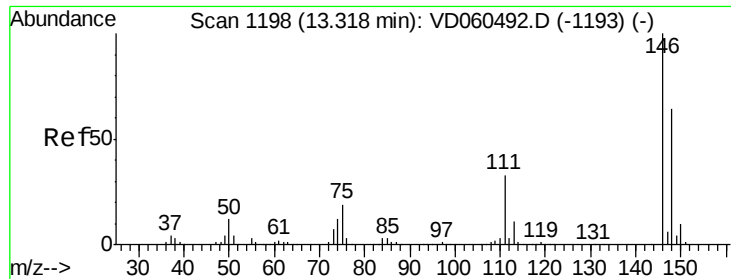
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#86
 p-Isopropyltoluene
 Concen: 9.961 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion:119 Resp: 577694
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.5 37.5
 91 24.3 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 9.979 ug/l

RT: 13.31 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

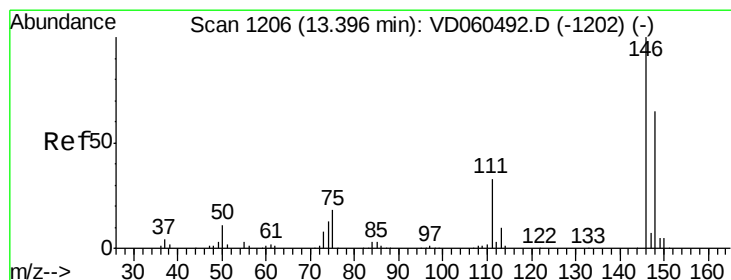
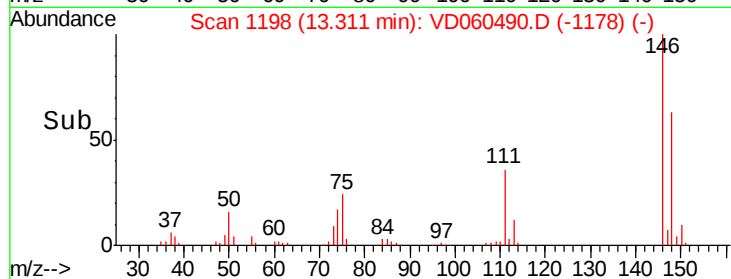
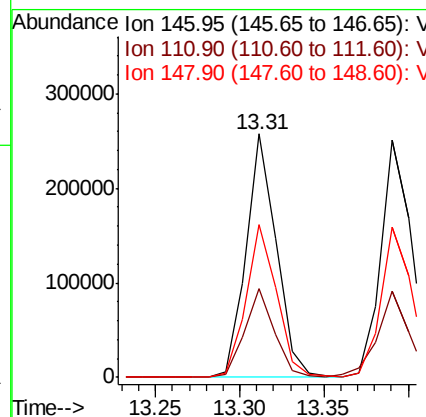
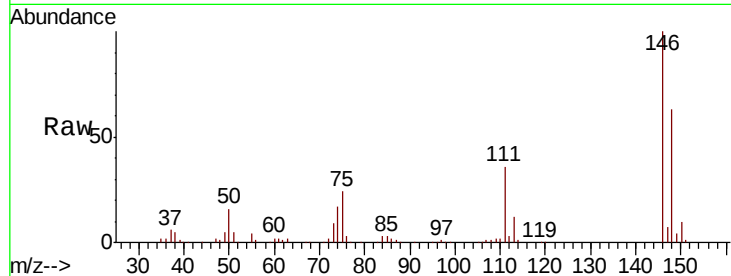
ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	322831
Ion Ratio	Lower	Upper	
146	100		
111	36.3	16.5	49.5
148	63.0	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 10.224 ug/l

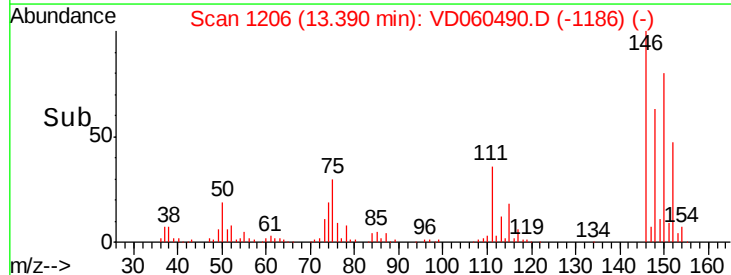
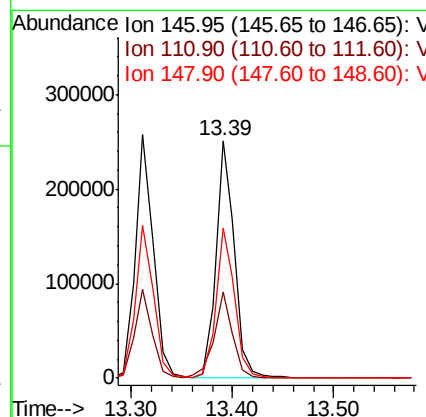
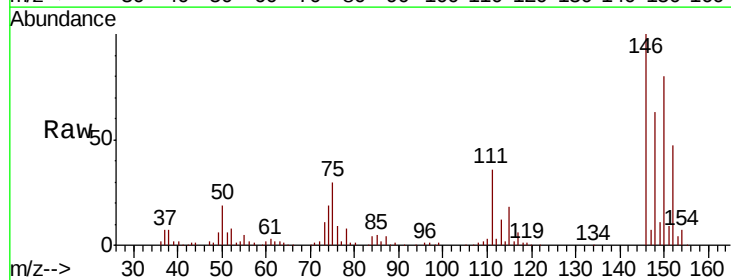
RT: 13.39 min Scan# 1206

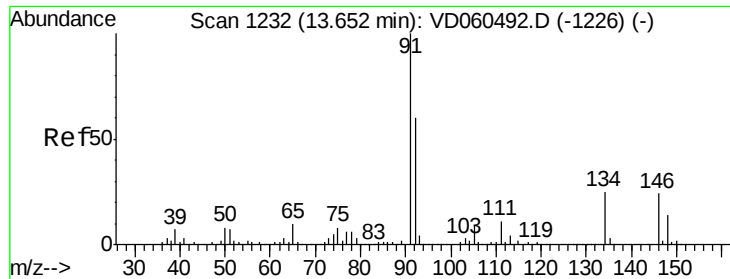
Delta R.T. -0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Tgt Ion:	146	Resp:	322398
Ion Ratio	Lower	Upper	
146	100		
111	36.3	16.4	49.1
148	63.2	32.6	98.0





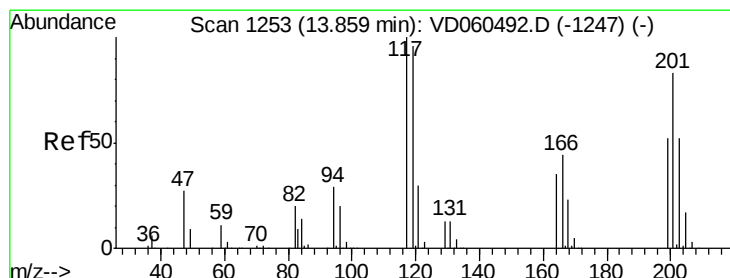
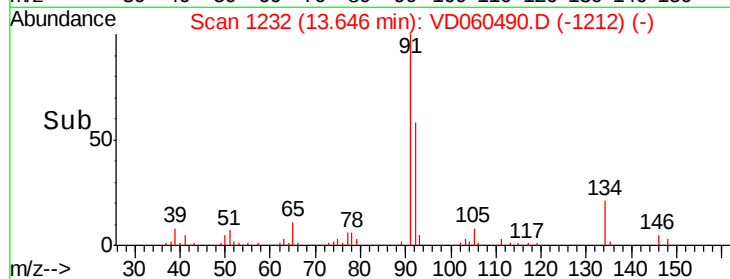
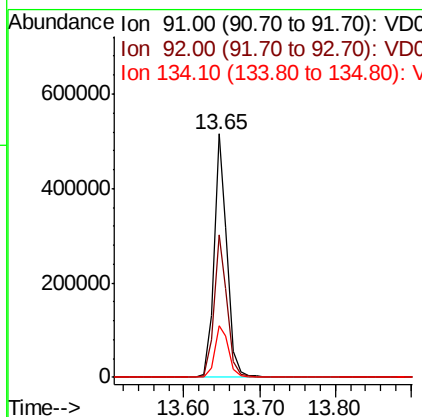
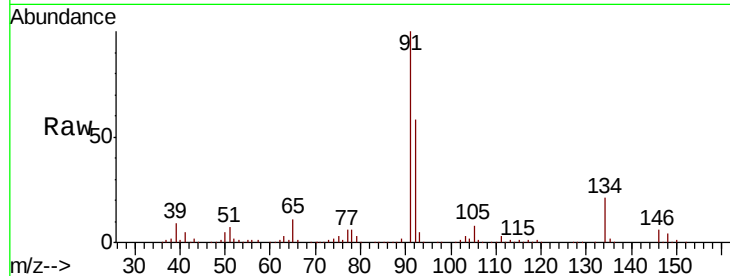
#89
n-Butylbenzene
Concen: 10.488 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 622500
Ion Ratio Lower Upper
91 100
92 58.4 30.0 90.1
134 21.3 12.5 37.5

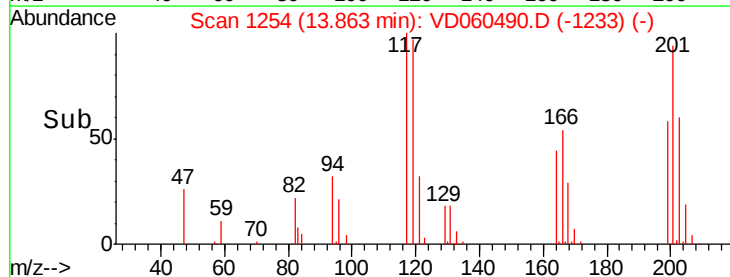
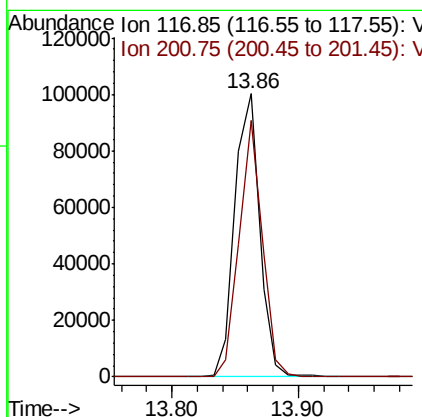
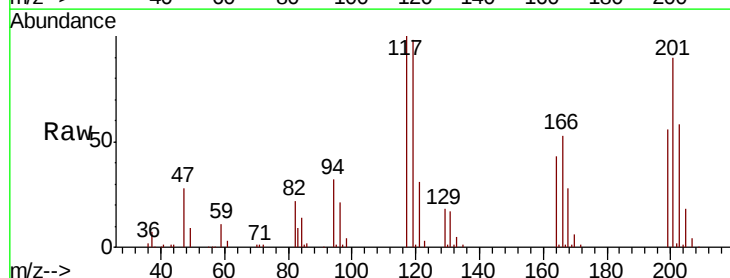
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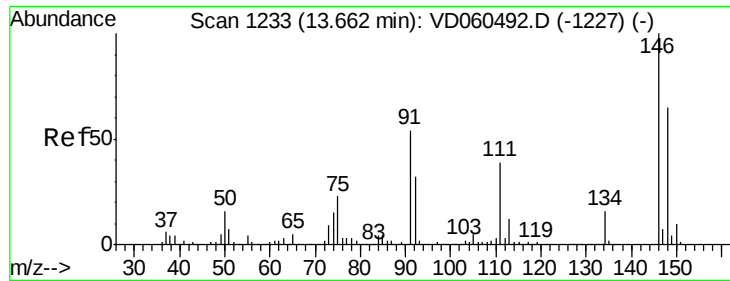
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#90
Hexachloroethane
Concen: 9.785 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 117 Resp: 136530
Ion Ratio Lower Upper
117 100
201 90.5 41.3 123.9





#91

1,2-Dichlorobenzene

Concen: 10.471 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

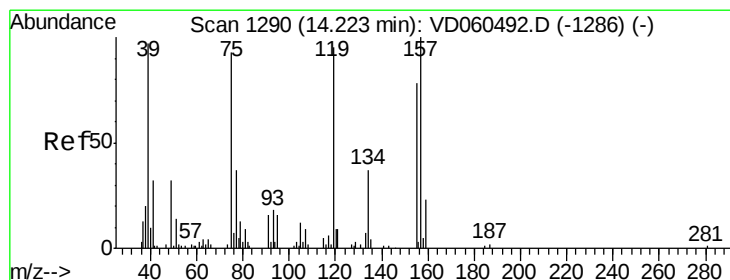
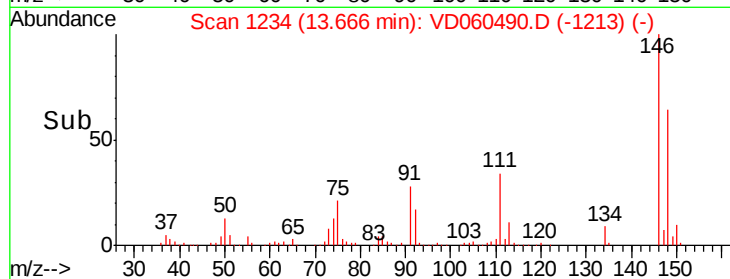
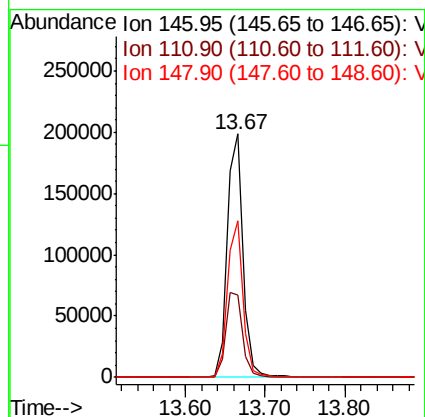
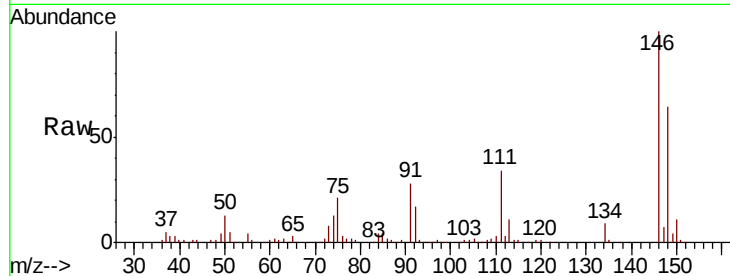
ClientSampleID :

VSTDIC010

Tgt Ion:	146	Resp:	277677
Ion Ratio	Lower	Upper	
146	100		
111	33.9	19.3	57.8
148	64.3	32.3	96.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 9.354 ug/l

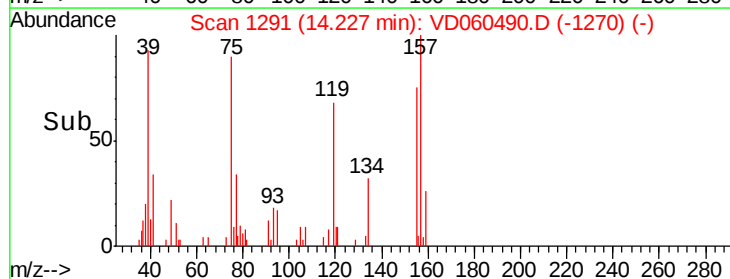
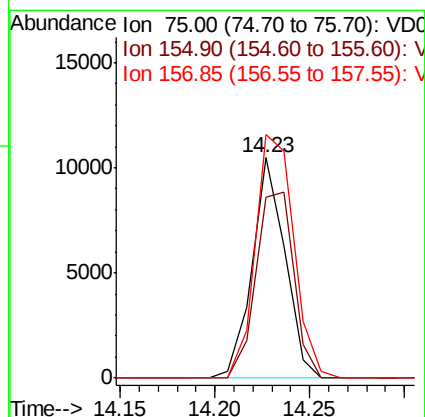
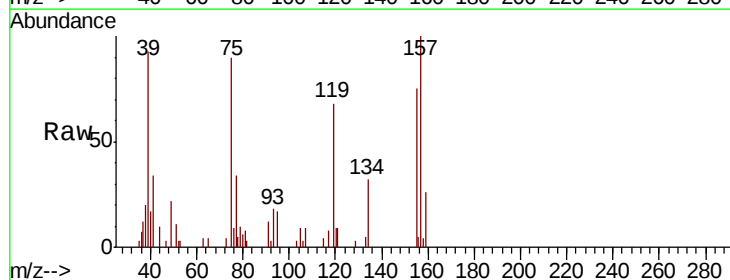
RT: 14.23 min Scan# 1291

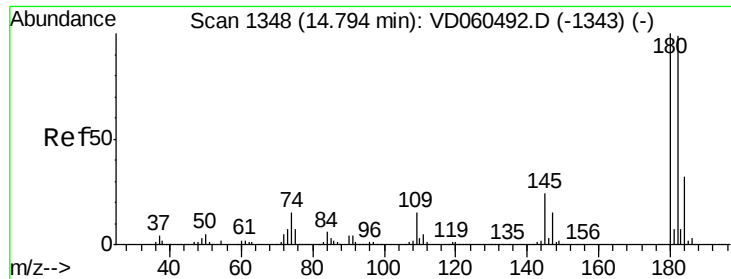
Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Tgt Ion:	75	Resp:	12544
Ion Ratio	Lower	Upper	
75	100		
155	82.5	41.6	124.9
157	110.7	53.6	160.8





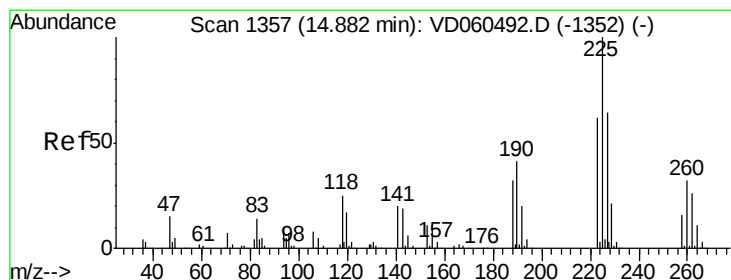
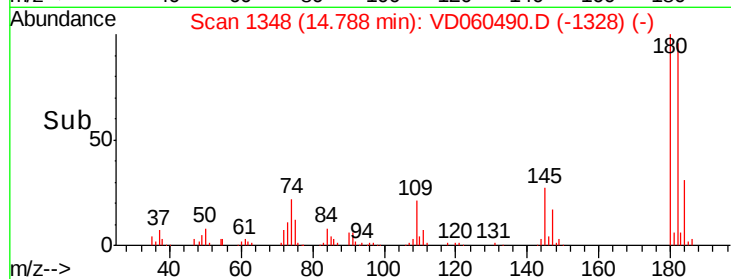
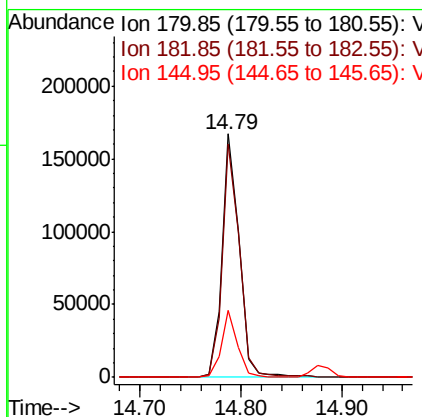
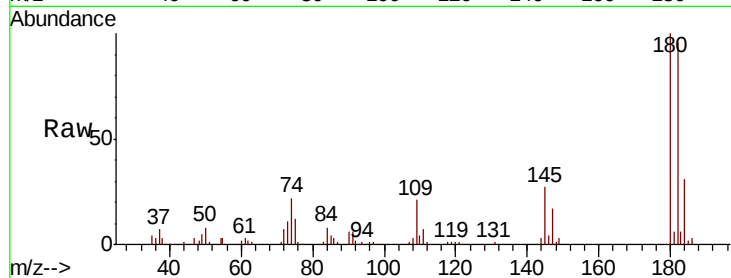
#93
 1,2,4-Trichlorobenzene
 Concen: 9.530 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	200187		
182	95.6	49.4	148.0	
145	27.5	11.9	35.9	

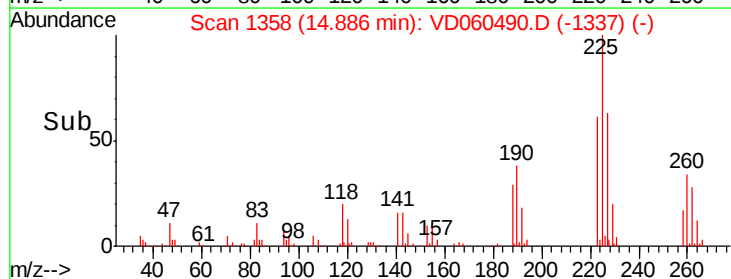
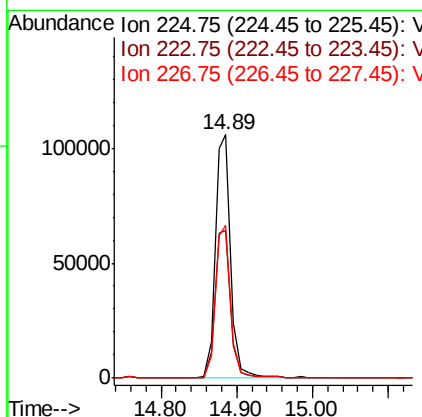
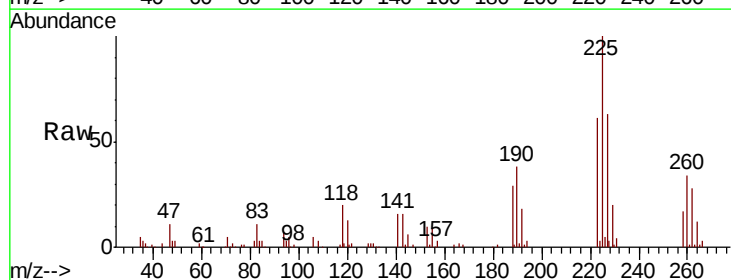
Manual Integrations
 APPROVED

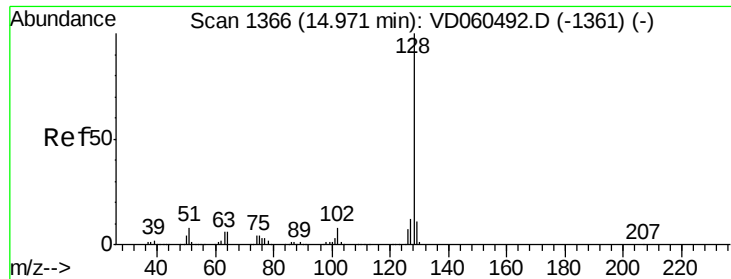
apatel
 12/6/2018 10:48:58 AM



#94
 Hexachlorobutadiene
 Concen: 9.766 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	152803		
223	60.8	31.2	93.6	
227	62.9	32.0	96.0	





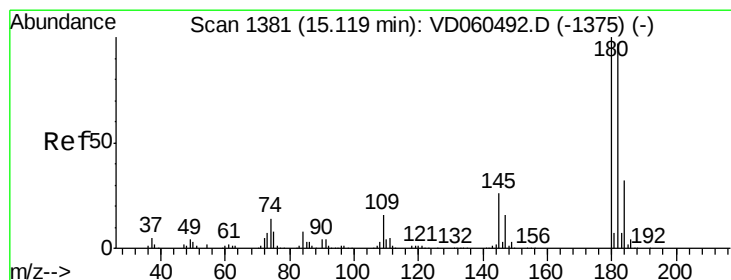
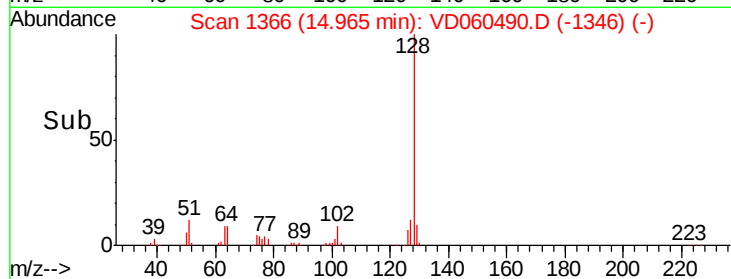
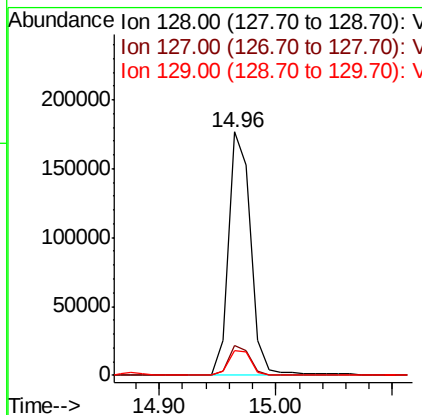
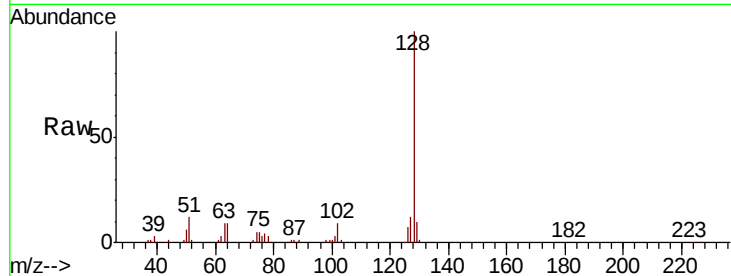
#95
Naphthalene
Concen: 9.015 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	232430		
127	12.5	9.8	14.8	
129	10.1	8.6	13.0	

Manual Integrations
APPROVED

apatel
12/6/2018 10:48:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 9.571 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	160660		
182	97.6	48.5	145.5	
145	30.6	12.9	38.7	

