

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
 Data File : VD060489.D
 Acq On : 5 Dec 2018 13:00
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/6/2018 10:48:53 AM

Quant Time: Dec 06 00:51:47 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	1591909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2226747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1768112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	859541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	61680	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	
35) Dibromofluoromethane	6.34	113	91895	5.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.18%	
50) Toluene-d8	9.46	98	266696	5.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.04%	
62) 4-Bromofluorobenzene	12.43	95	98252	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.61	85	117077	7.970 ug/l	100
3) Chloromethane	1.78	50	98171	6.436 ug/l	95
4) Vinyl Chloride	1.88	62	73012	5.874 ug/l	95
5) Bromomethane	2.17	94	24333	8.132 ug/l	95
6) Chloroethane	2.28	64	25155	6.158 ug/l	96
7) Trichlorofluoromethane	2.54	101	84753	5.774 ug/l	96
8) Diethyl Ether	2.84	74	13897	5.268 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.12	101	56886	5.971 ug/l	95
10) Methyl Iodide	3.26	142	56506	4.596 ug/l	99
11) Tert butyl alcohol	3.99	59	11320m	24.305 ug/l	
12) 1,1-Dichloroethene	3.10	96	44443	5.730 ug/l	96
13) Acrolein	3.01	56	13200	24.262 ug/l	97
14) Allyl chloride	3.56	41	81080	5.443 ug/l	98
15) Acrylonitrile	4.10	53	68136	25.070 ug/l	91
16) Acetone	3.19	43	51967	26.400 ug/l	94
17) Carbon Disulfide	3.33	76	139563	5.541 ug/l	99
18) Methyl Acetate	3.57	43	24679	5.788 ug/l #	92
19) Methyl tert-butyl Ether	4.14	73	108269	4.678 ug/l	95
20) Methylene Chloride	3.75	84	142695	8.069 ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	90903	5.252 ug/l	94
22) Diisopropyl ether	4.87	45	279490	5.047 ug/l	98
23) Vinyl Acetate	4.82	43	675808	24.435 ug/l	99
24) 1,1-Dichloroethane	4.77	63	147130	5.163 ug/l	98
25) 2-Butanone	5.64	43	90952	22.477 ug/l	100
26) 2,2-Dichloropropane	5.61	77	118482	5.374 ug/l	95
27) cis-1,2-Dichloroethene	5.61	96	91314	5.087 ug/l	95
28) Bromochloromethane	5.94	49	69985	5.566 ug/l	98
29) Tetrahydrofuran	5.97	42	52994	24.568 ug/l	96
30) Chloroform	6.12	83	151744	5.325 ug/l	98
31) Cyclohexane	6.38	56	176531	6.506 ug/l	95
32) 1,1,1-Trichloroethane	6.31	97	119317	4.986 ug/l	98
36) 1,1-Dichloropropene	6.53	75	124286	5.646 ug/l	97
37) Ethyl Acetate	5.71	43	48100	4.771 ug/l	98
38) Carbon Tetrachloride	6.51	117	106983	5.268 ug/l	97

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 Data File : VD060489.D
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 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	137290	5.438	ug/l	97
40) Benzene	6.81	78	295089	5.268	ug/l	98
41) Methacrylonitrile	5.95	41	28813m	2.765	ug/l	
42) 1,2-Dichloroethane	6.91	62	73987	5.076	ug/l	97
43) Isopropyl Acetate	8.35	43	55163	4.393	ug/l #	97
44) Trichloroethene	7.75	130	85275	5.018	ug/l	99
45) 1,2-Dichloropropane	8.11	63	69594	4.938	ug/l	97
46) Dibromomethane	8.22	93	39303	4.753	ug/l	97
47) Bromodichloromethane	8.50	83	97375	5.018	ug/l	99
48) Methyl methacrylate	8.25	41	31694	4.138	ug/l #	84
49) 1,4-Dioxane	8.23	88	5487	82.019	ug/l #	86
51) 4-Methyl-2-Pentanone	9.35	43	180450	22.051	ug/l	99
52) Toluene	9.55	92	184956	5.175	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	75353	4.616	ug/l	95
54) cis-1,3-Dichloropropene	9.11	75	101533	4.810	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	53406	5.160	ug/l	98
56) Ethyl methacrylate	10.04	69	38149	4.037	ug/l	93
57) 1,3-Dichloropropane	10.39	76	75206	4.787	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	131410	23.110	ug/l	97
59) 2-Hexanone	10.49	43	122621	21.142	ug/l	98
60) Dibromochloromethane	10.65	129	57656	4.591	ug/l	95
61) 1,2-Dibromoethane	10.76	107	48293	4.664	ug/l	96
64) Tetrachloroethene	10.26	164	85057	5.374	ug/l	94
65) Chlorobenzene	11.31	112	194451	5.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	63981	5.122	ug/l	99
67) Ethyl Benzene	11.43	91	365099	5.567	ug/l	97
68) m/p-Xylenes	11.57	106	268113	11.111	ug/l	97
69) o-Xylene	11.93	106	118388	5.083	ug/l	84
70) Styrene	11.95	104	184541	4.878	ug/l	94
71) Bromoform	12.12	173	36596	4.346	ug/l	97
73) Isopropylbenzene	12.28	105	347104	5.524	ug/l	99
74) N-amyl acetate	12.13	43	65928	4.116	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.56	83	52102	5.123	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	49731	4.857	ug/l	97
77) Bromobenzene	12.54	156	87727	5.280	ug/l	93
78) n-propylbenzene	12.64	91	463058	5.942	ug/l	98
79) 2-Chlorotoluene	12.70	91	240123	5.598	ug/l	91
80) 1,3,5-Trimethylbenzene	12.79	105	275961	5.698	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	12040	4.128	ug/l	90
82) 4-Chlorotoluene	12.81	91	287239	5.983	ug/l	93
83) tert-Butylbenzene	13.05	119	298587	5.538	ug/l	95
84) 1,2,4-Trimethylbenzene	13.10	105	277372	5.716	ug/l	98
85) sec-Butylbenzene	13.22	105	373545	5.674	ug/l	97
86) p-Isopropyltoluene	13.34	119	304370	5.750	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	163562	5.539	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	160873	5.589	ug/l	96
89) n-Butylbenzene	13.65	91	325827	6.015	ug/l	97
90) Hexachloroethane	13.86	117	68911	5.411	ug/l	92
91) 1,2-Dichlorobenzene	13.67	146	139429	5.760	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	5503	4.496	ug/l	81

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Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

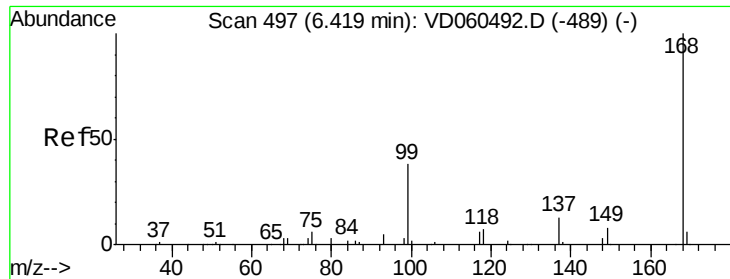
Manual Integrations
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12/6/2018 10:48:53 AM

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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)
93) 1,2,4-Trichlorobenzene	14.79	180	102409	5.341	ug/l	99
94) Hexachlorobutadiene	14.89	225	74847	5.241	ug/l	98
95) Naphthalene	14.97	128	107260	4.558	ug/l	97
96) 1,2,3-Trichlorobenzene	15.11	180	80917	5.281	ug/l	97

(#) = 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: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion:168 Resp: 1591909

Ion Ratio Lower Upper

168 100

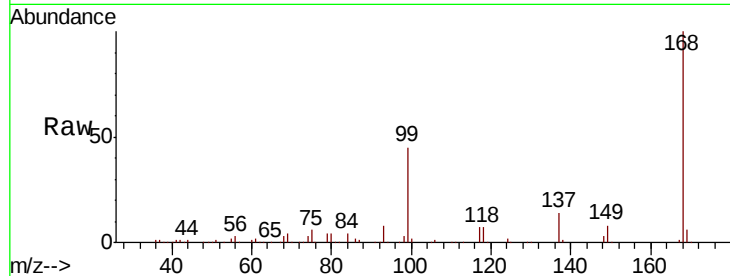
99 44.8 35.6 53.4

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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

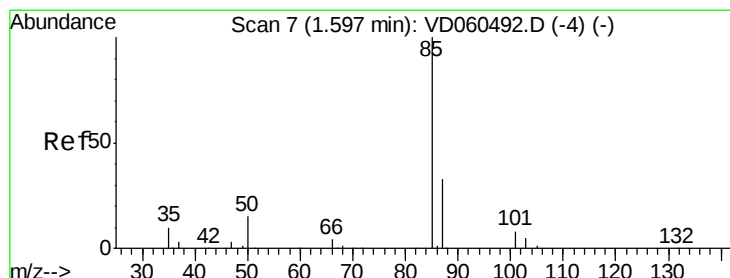
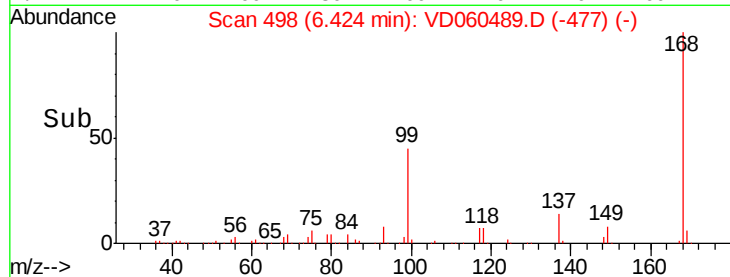
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 7.970 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060489.D

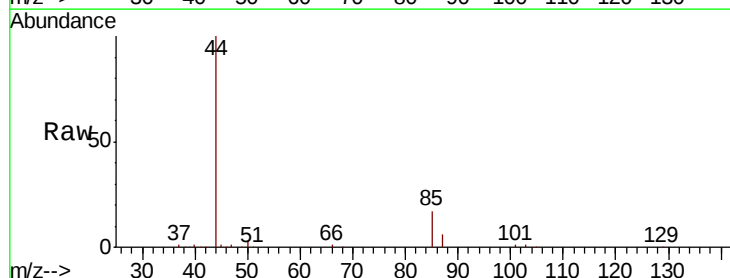
Acq: 5 Dec 2018 13:00

Tgt Ion: 85 Resp: 117077

Ion Ratio Lower Upper

85 100

87 33.2 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

50000

40000

30000

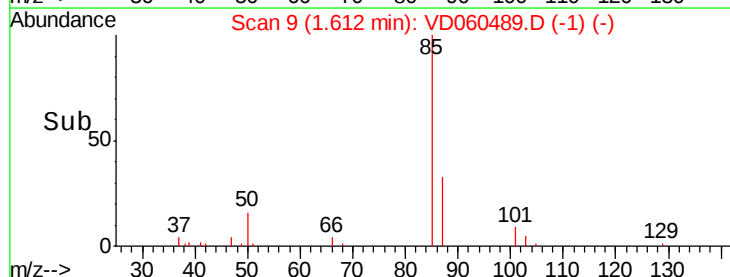
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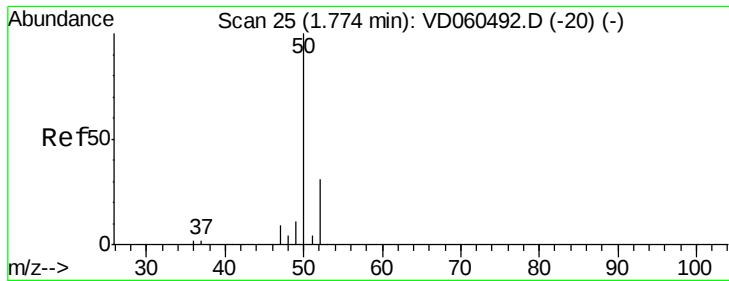
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 6.436 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 98171

Ion Ratio Lower Upper

50 100

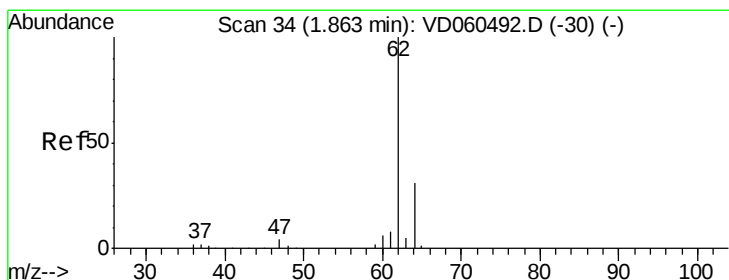
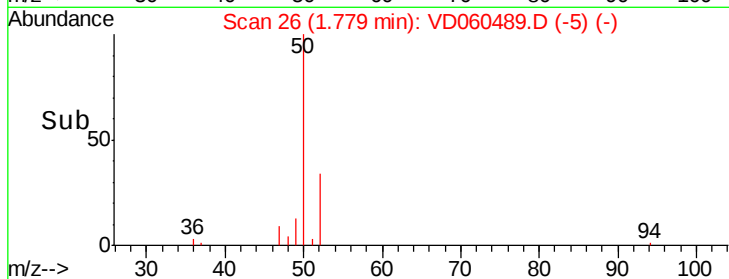
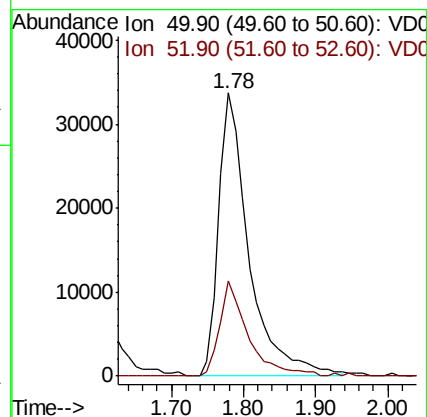
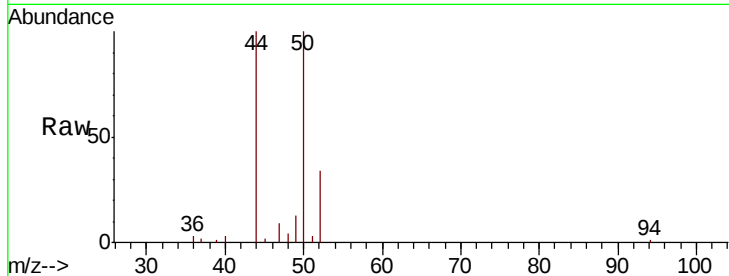
52 33.8 25.0 37.4

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#4

Vinyl Chloride

Concen: 5.874 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.01 min

Lab File: VD060489.D

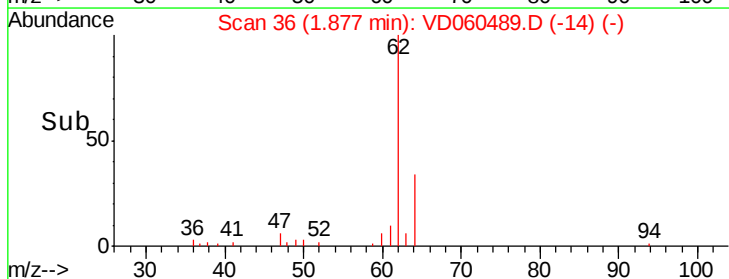
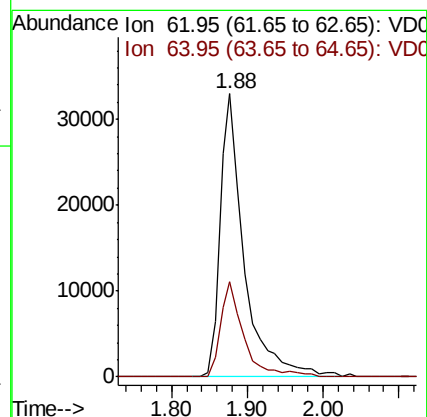
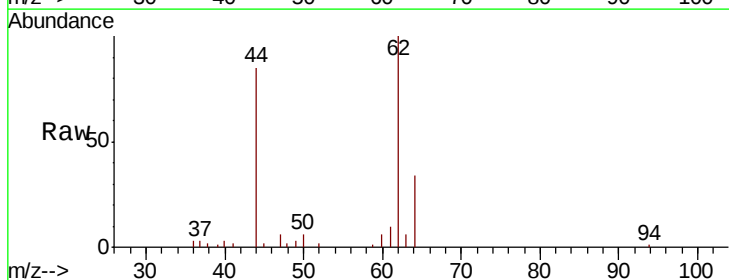
Acq: 5 Dec 2018 13:00

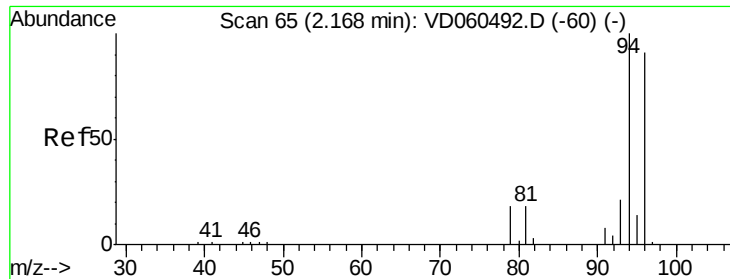
Tgt Ion: 62 Resp: 73012

Ion Ratio Lower Upper

62 100

64 33.8 24.6 37.0





#5

Bromomethane

Concen: 8.132 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 24333

Ion Ratio Lower Upper

94 100

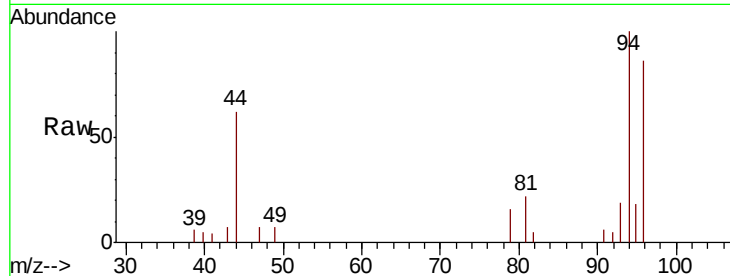
96 86.0 72.6 108.8

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.17

8000

6000

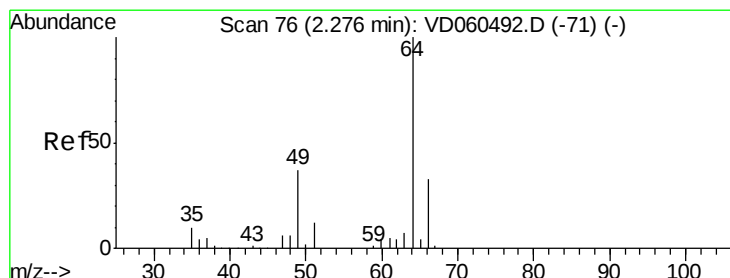
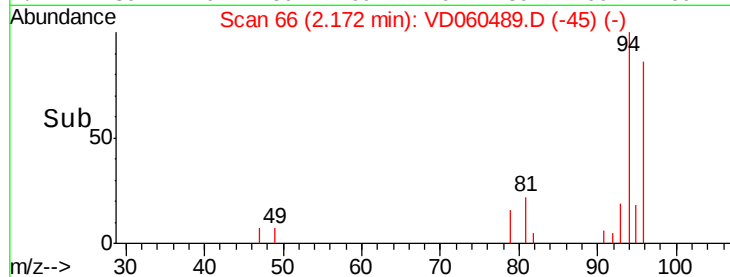
4000

2000

0

Time-->

2.10 2.20 2.30 2.40



#6

Chloroethane

Concen: 6.158 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.00 min

Lab File: VD060489.D

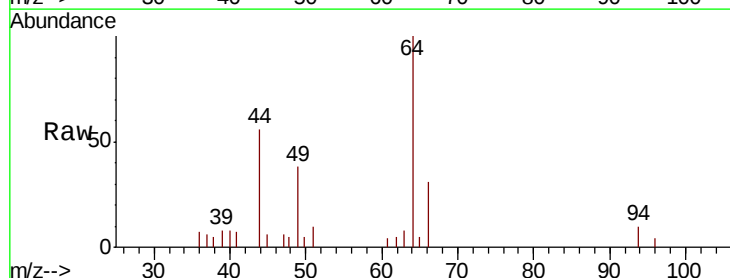
Acq: 5 Dec 2018 13:00

Tgt Ion: 64 Resp: 25155

Ion Ratio Lower Upper

64 100

66 30.9 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.28

10000

8000

6000

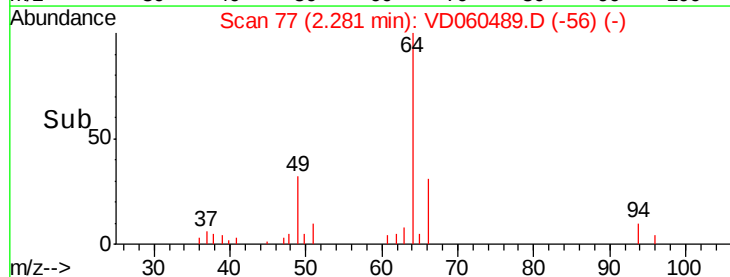
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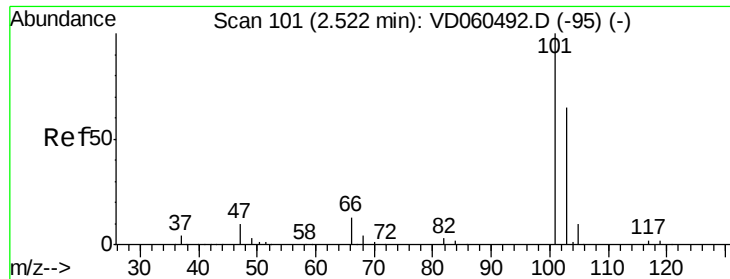
2000

0

Time-->

2.20 2.30 2.40





#7

Trichlorofluoromethane

Concen: 5.774 ug/l

RT: 2.54 min Scan# 103

Delta R.T. 0.01 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion:101 Resp: 84753

Ion Ratio Lower Upper

101 100

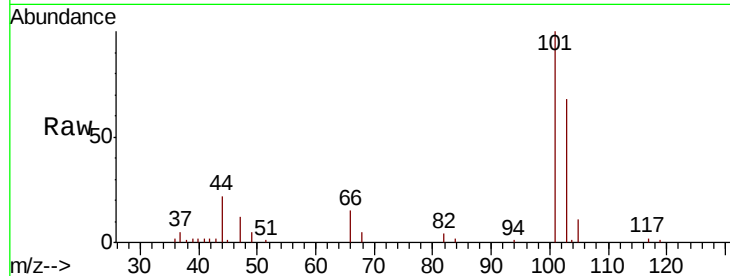
103 67.8 51.8 77.8

Manual Integrations

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.54

30000

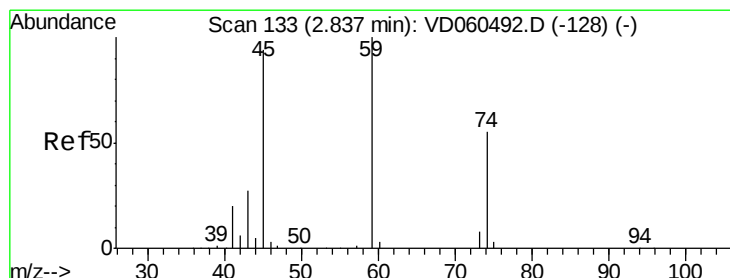
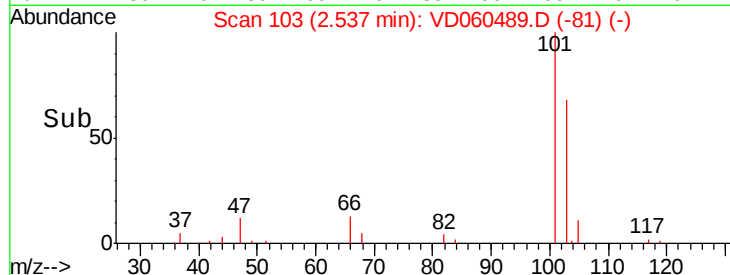
20000

10000

0

Time-->

2.40 2.50 2.60 2.70



#8

Diethyl Ether

Concen: 5.268 ug/l

RT: 2.84 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD060489.D

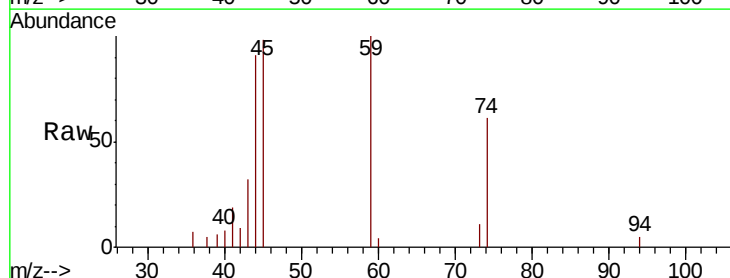
Acq: 5 Dec 2018 13:00

Tgt Ion: 74 Resp: 13897

Ion Ratio Lower Upper

74 100

45 162.0 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

10000

8000

6000

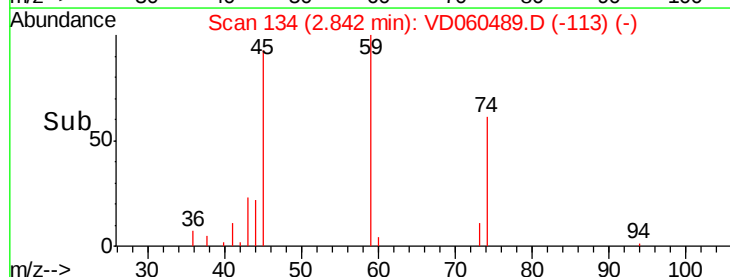
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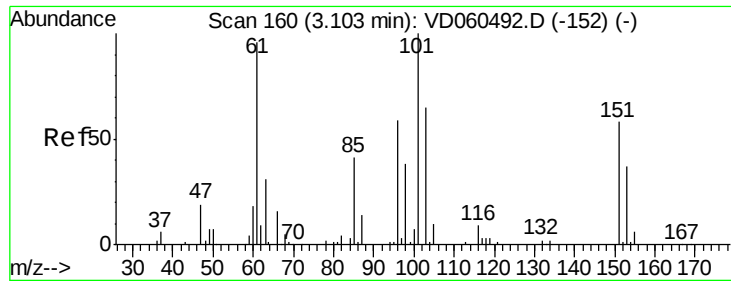
2000

0

Time-->

2.75 2.80 2.85 2.90 2.95





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.971 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

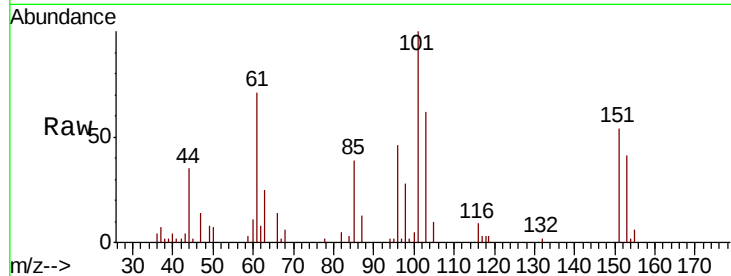
ClientSampleId :

VSTDIC005

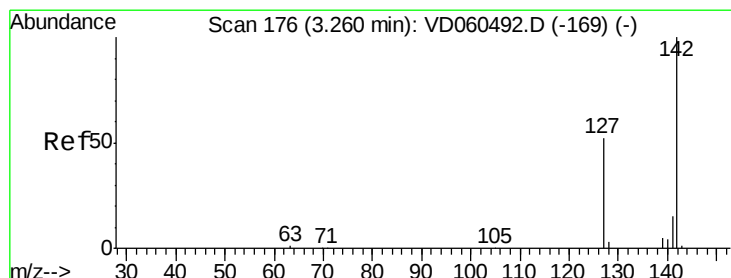
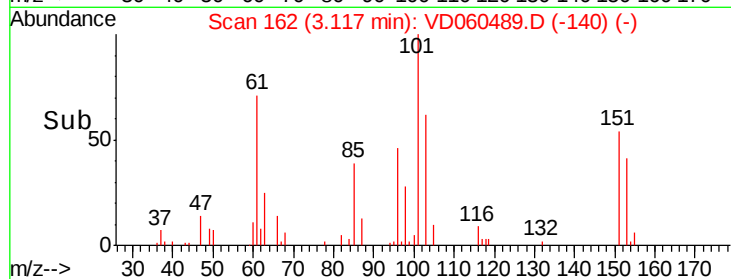
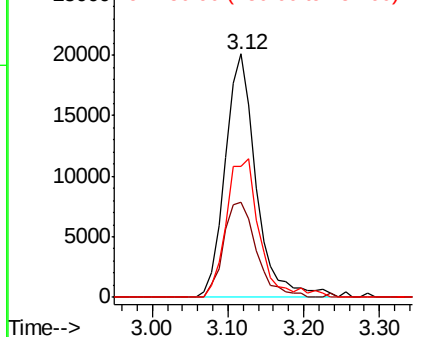
Tgt Ion:	101	Resp:	56886
Ion Ratio	Lower	Upper	
101	100		
85	39.1	32.7	49.1
151	53.7	46.6	69.8

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



#10

Methyl Iodide

Concen: 4.596 ug/l

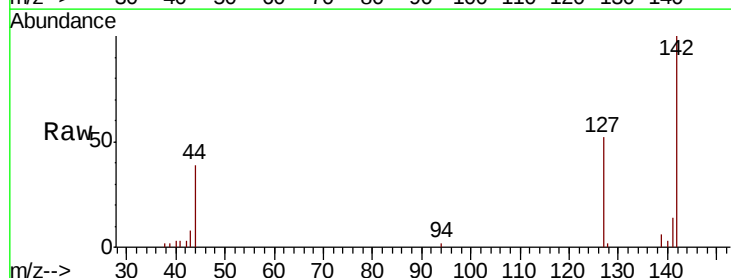
RT: 3.26 min Scan# 177

Delta R.T. 0.00 min

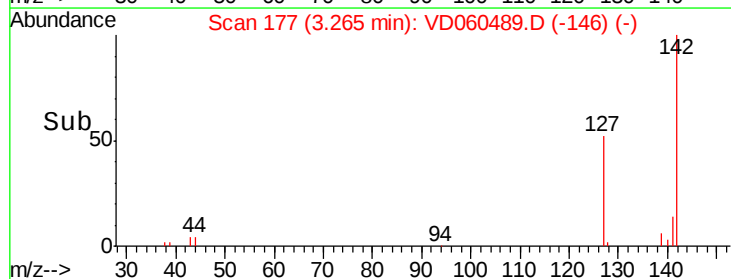
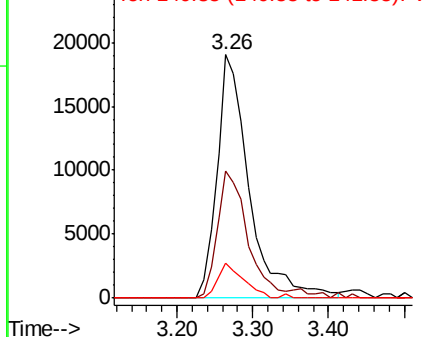
Lab File: VD060489.D

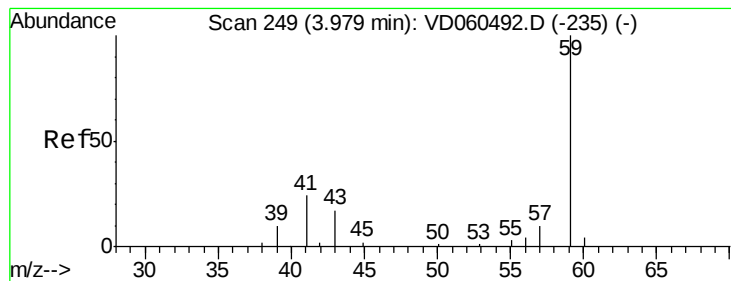
Acq: 5 Dec 2018 13:00

Tgt Ion:	142	Resp:	56506
Ion Ratio	Lower	Upper	
142	100		
127	52.0	41.2	61.8
141	14.3	11.9	17.9



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





#11

Tert butyl alcohol

Concen: 24.305 ug/l m

RT: 3.99 min Scan# 251

Delta R.T. 0.01 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 11320

Ion Ratio Lower Upper

59 100

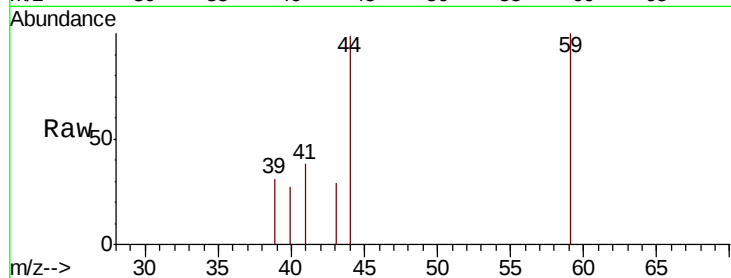
57 0.0 8.1 12.1#

Manual Integrations

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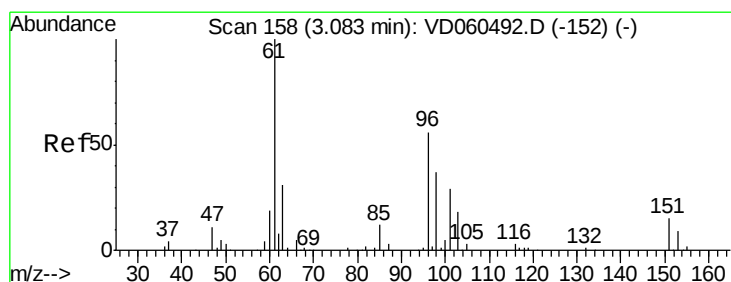
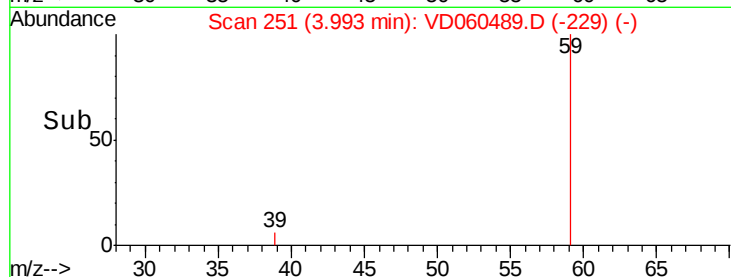
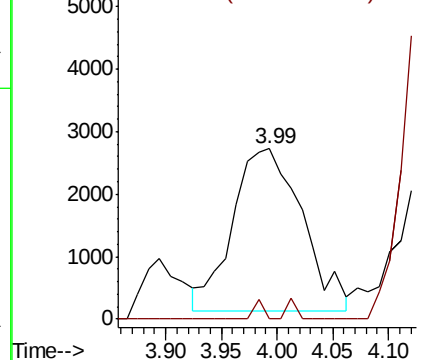
apatel

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Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 5.730 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

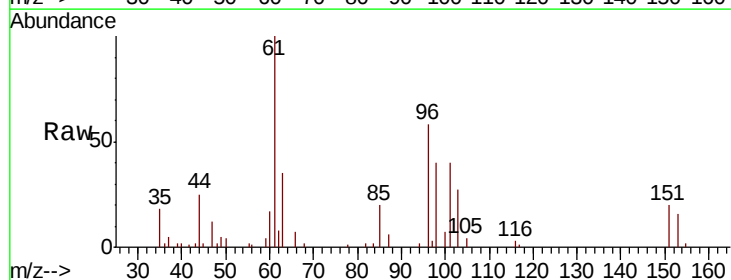
Tgt Ion: 96 Resp: 44443

Ion Ratio Lower Upper

96 100

61 172.8 143.0 214.4

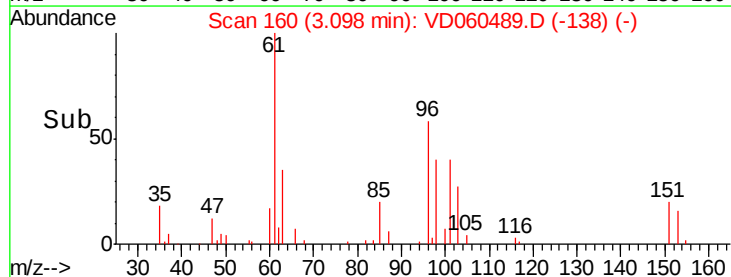
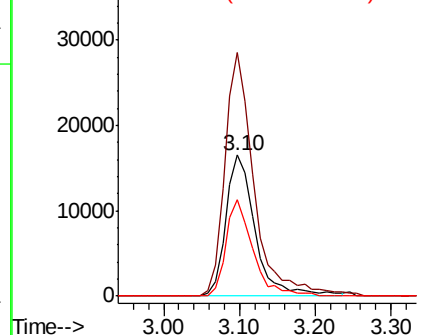
98 68.8 53.4 80.0

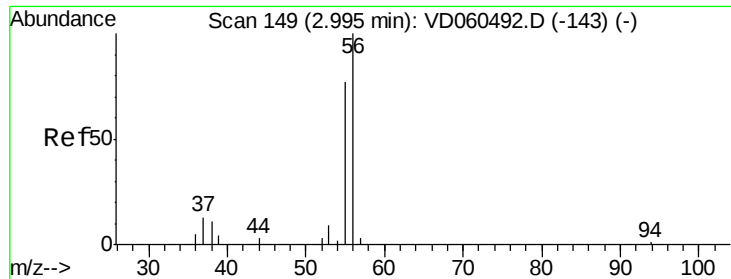


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 24.262 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.01 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 13200

Ion Ratio Lower Upper

56 100

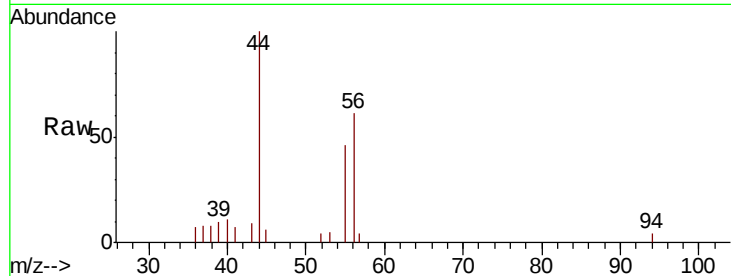
55 74.8 62.0 93.0

Manual Integrations

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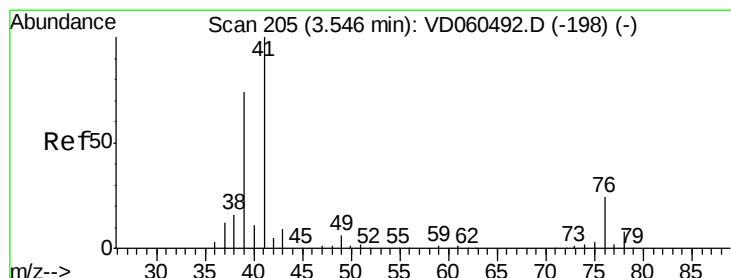
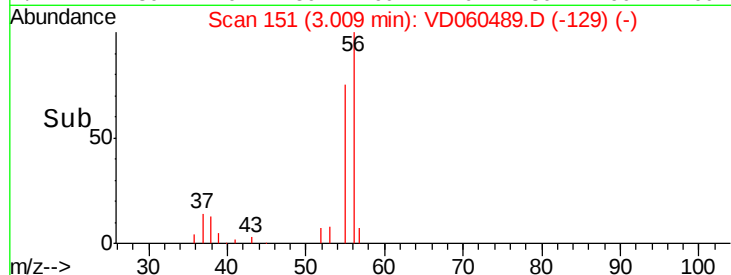
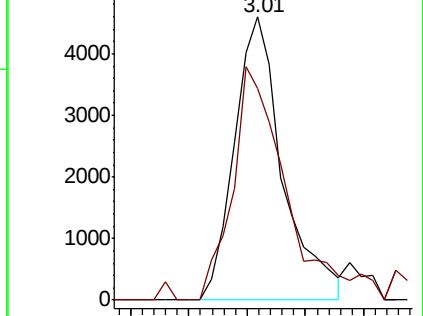
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.443 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

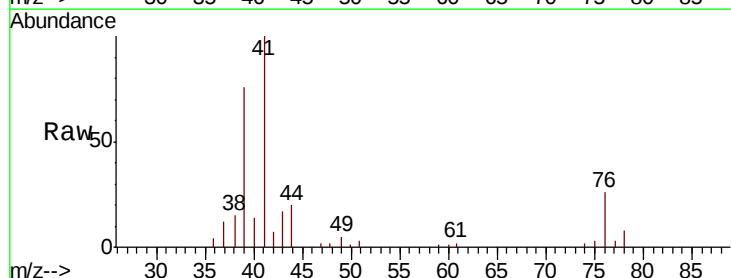
Tgt Ion: 41 Resp: 81080

Ion Ratio Lower Upper

41 100

39 76.0 59.3 88.9

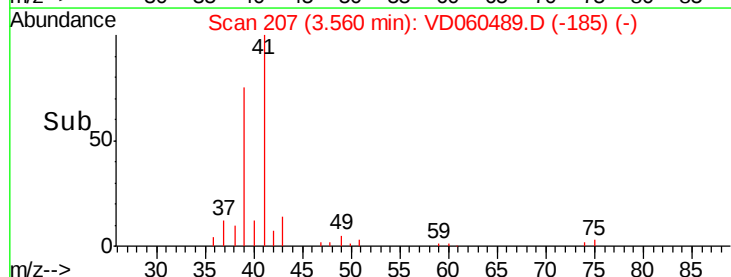
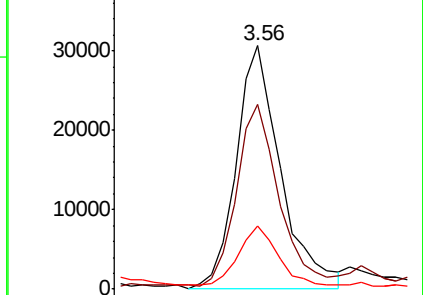
76 26.1 21.0 31.6

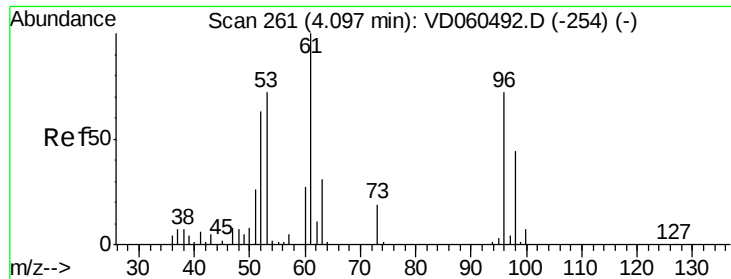


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 25.070 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

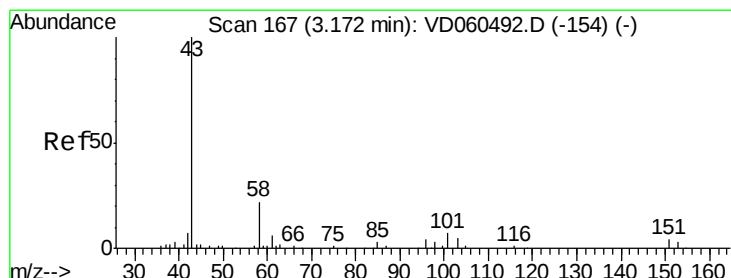
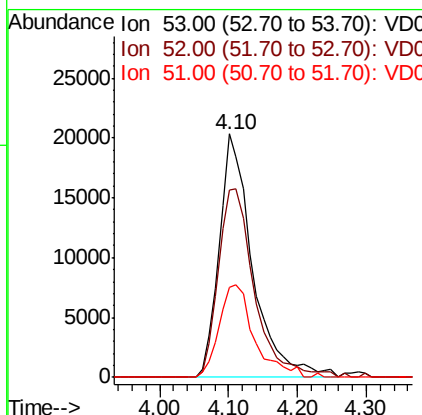
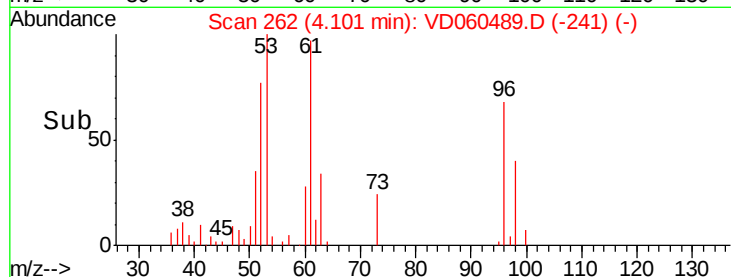
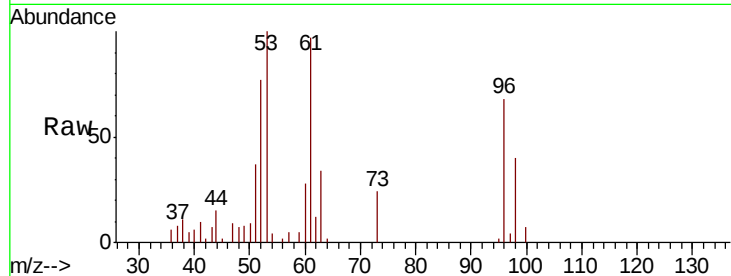
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	68136
Ion Ratio	Lower	Upper	
53	100		
52	77.0	70.0	105.0
51	37.1	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 26.400 ug/l

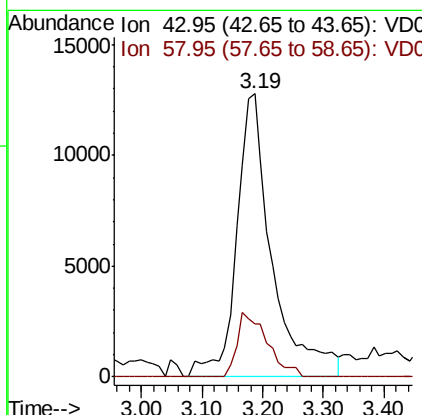
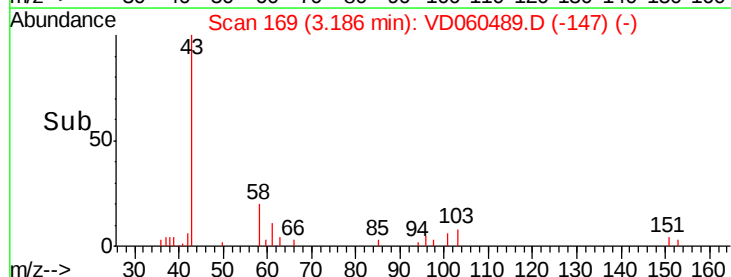
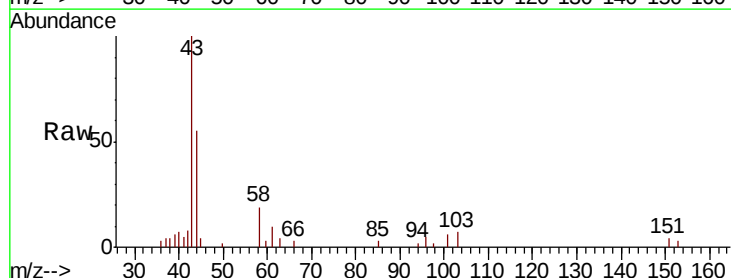
RT: 3.19 min Scan# 169

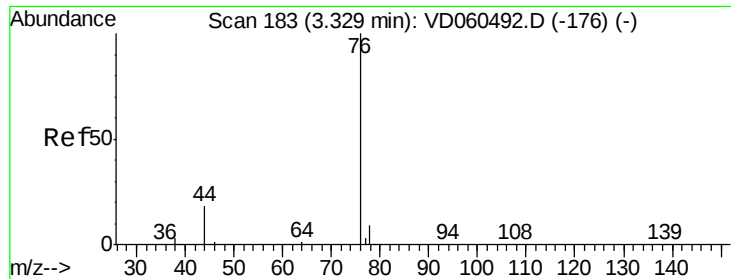
Delta R.T. 0.01 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Tgt Ion:	43	Resp:	51967
Ion Ratio	Lower	Upper	
43	100		
58	18.9	17.3	25.9





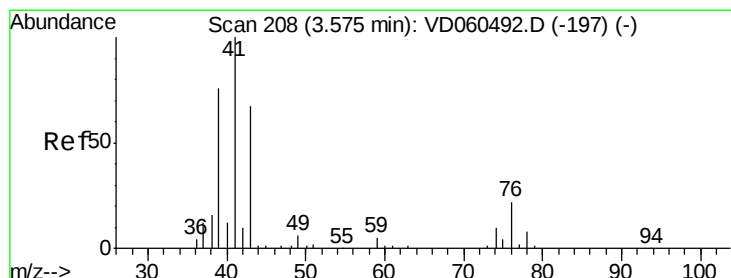
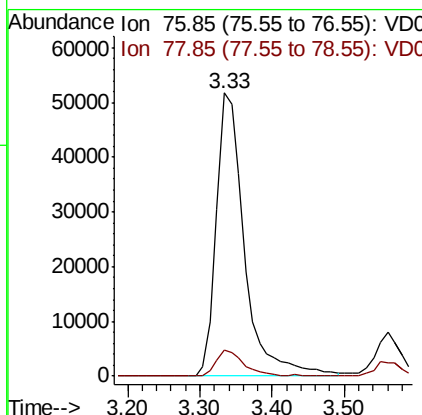
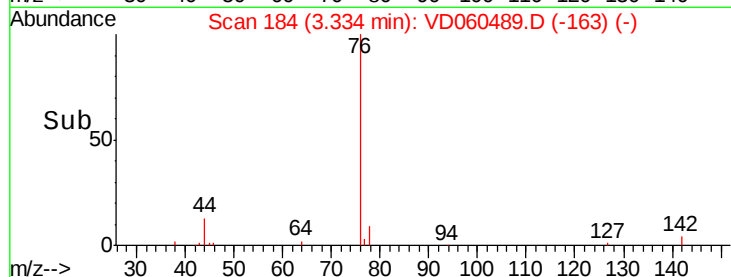
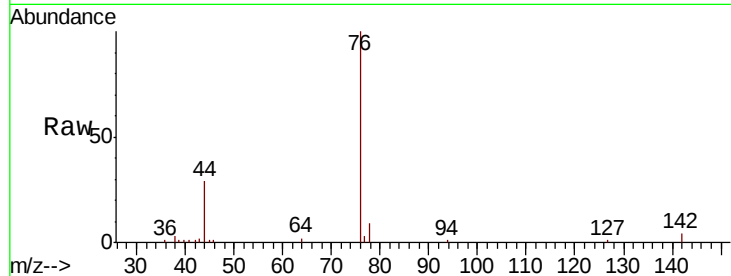
#17
Carbon Disulfide
Concen: 5.541 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 139563
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

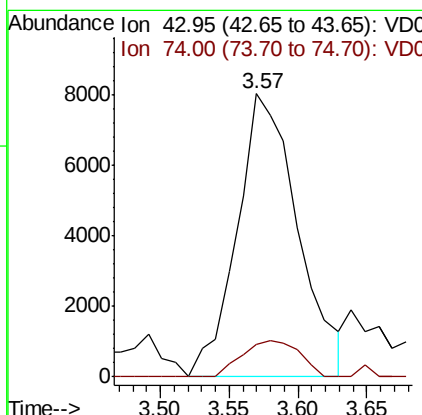
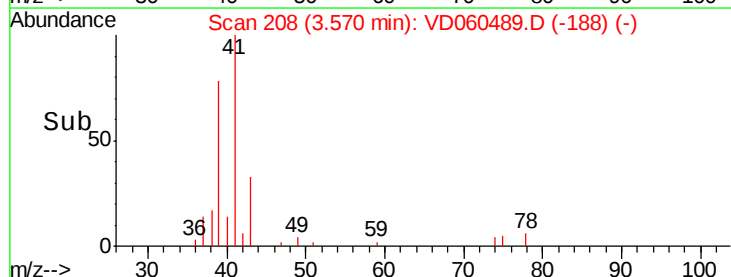
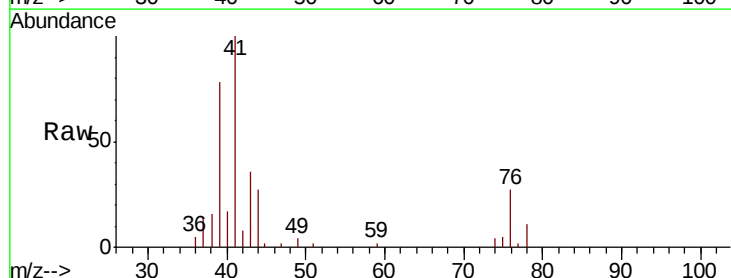
Manual Integrations
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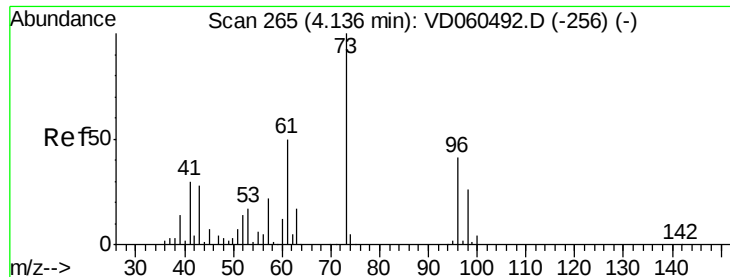
apatel
12/6/2018 10:48:53 AM



#18
Methyl Acetate
Concen: 5.788 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion: 43 Resp: 24679
Ion Ratio Lower Upper
43 100
74 11.5 12.0 18.0#





#19

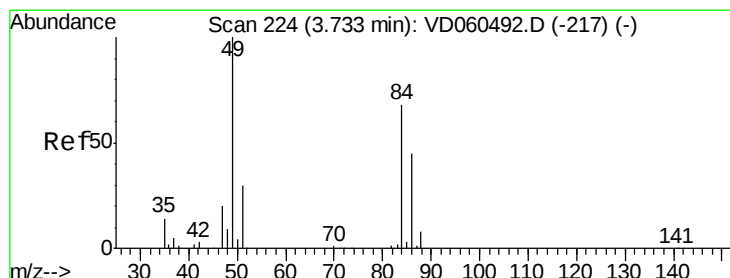
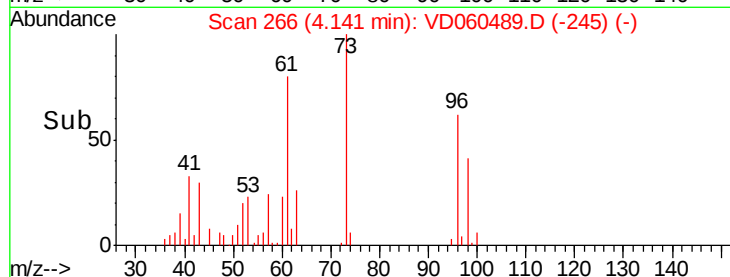
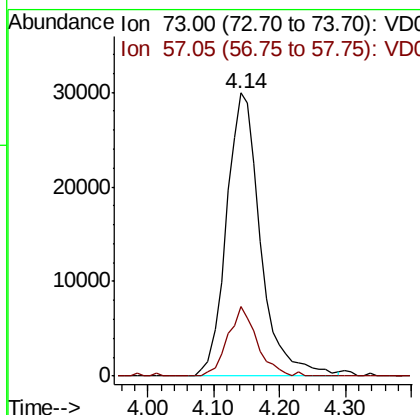
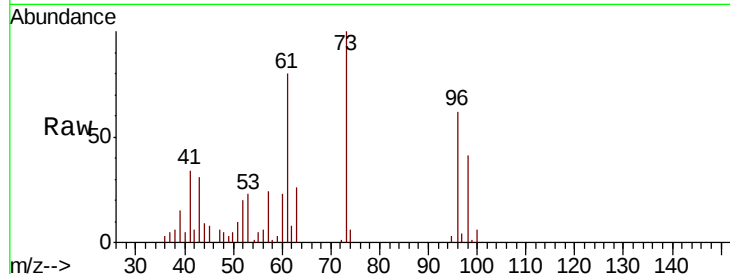
Methyl tert-butyl Ether
Concen: 4.678 ug/l
RT: 4.14 min Scan# 266
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 108269
Ion Ratio Lower Upper
73 100
57 24.4 17.8 26.6

Manual Integrations
APPROVED

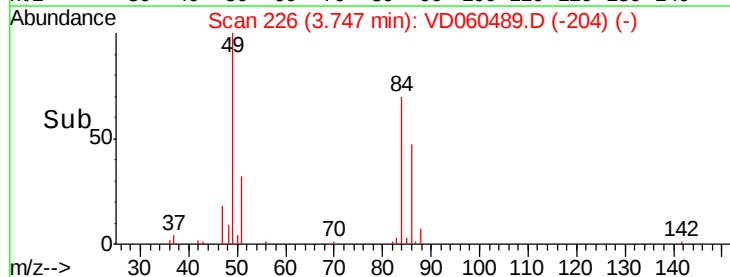
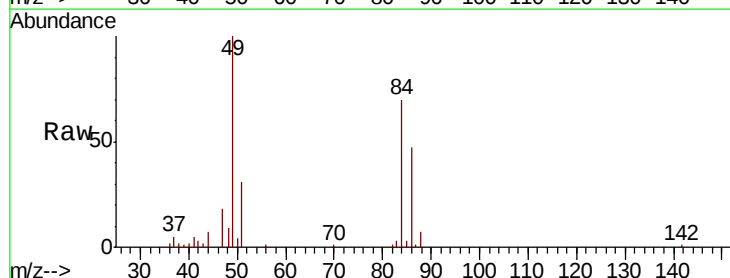
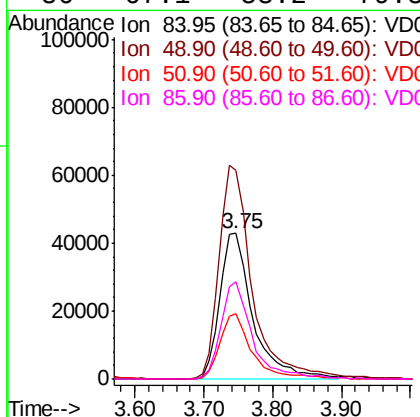
apatel
12/6/2018 10:48:53 AM

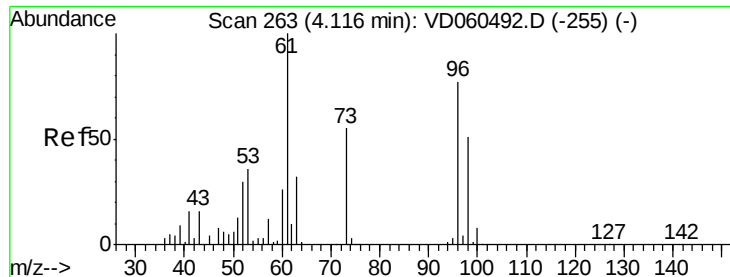


#20

Methylene Chloride
Concen: 8.069 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion: 84 Resp: 142695
Ion Ratio Lower Upper
84 100
49 143.4 117.2 175.8
51 45.1 35.3 52.9
86 67.1 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 5.252 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC005

Tgt Ion: 96 Resp: 90903

Ion Ratio Lower Upper

96 100

61 139.6 104.2 156.4

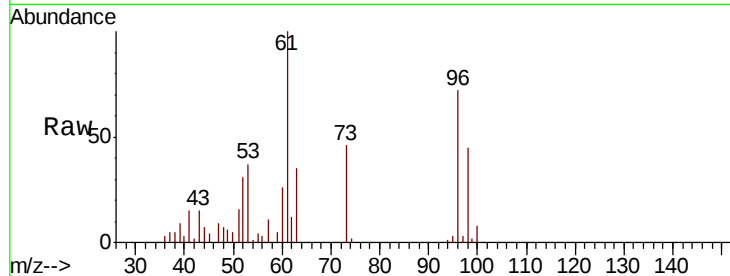
98 63.5 52.8 79.2

Manual Integrations

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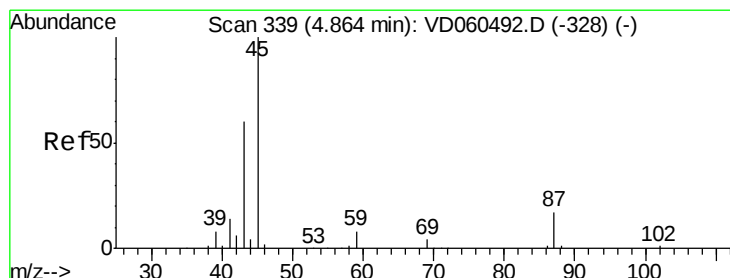
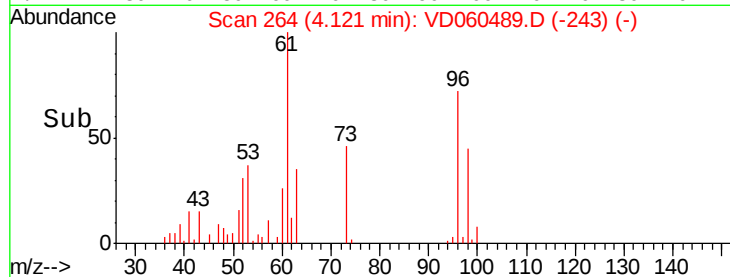
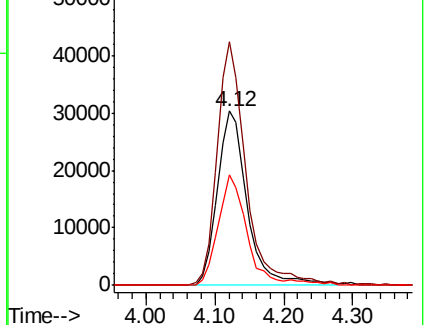
12/6/2018 10:48:53 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 5.047 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Tgt Ion: 45 Resp: 279490

Ion Ratio Lower Upper

45 100

43 62.5 48.6 73.0

87 16.8 14.0 21.0

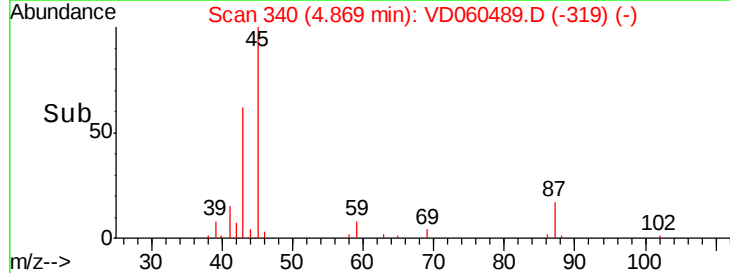
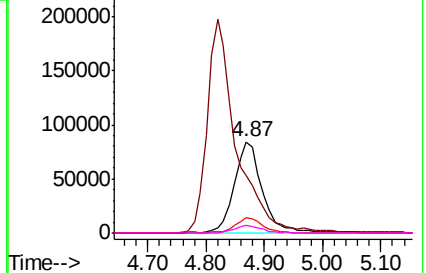
59 7.9 6.9 10.3

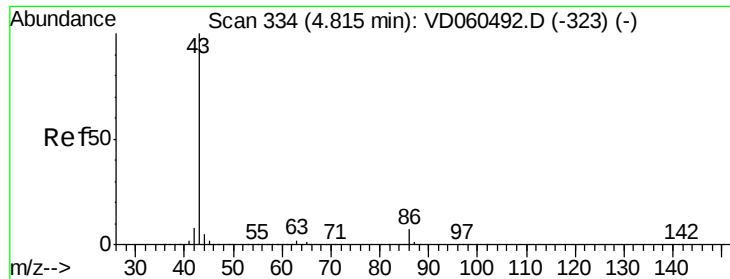
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 24.435 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 675808

Ion Ratio Lower Upper

43 100

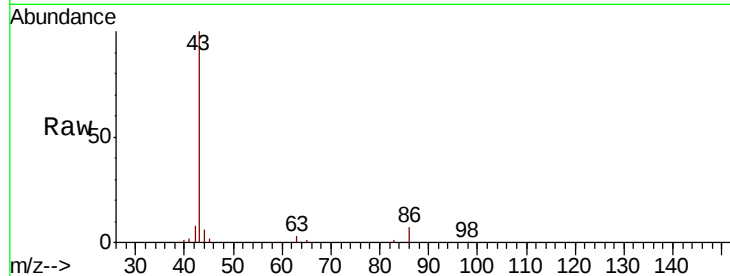
86 6.6 5.5 8.3

Manual Integrations

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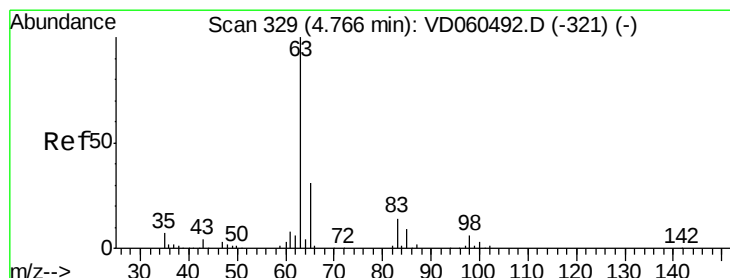
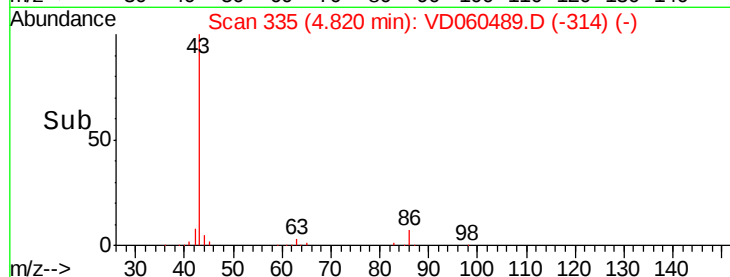
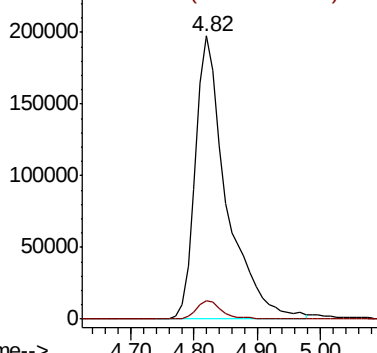
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.163 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

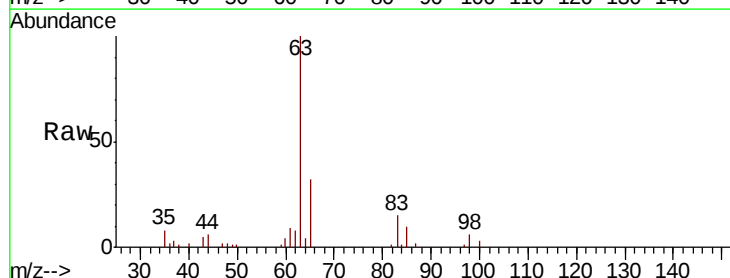
Tgt Ion: 63 Resp: 147130

Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.3

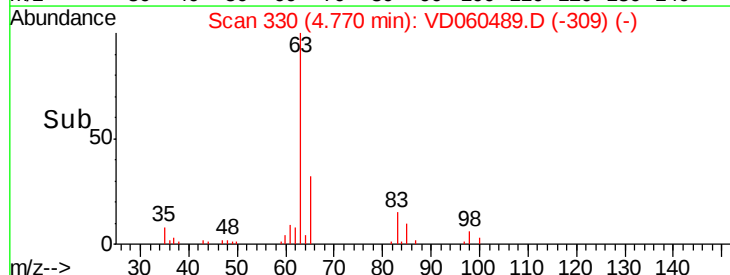
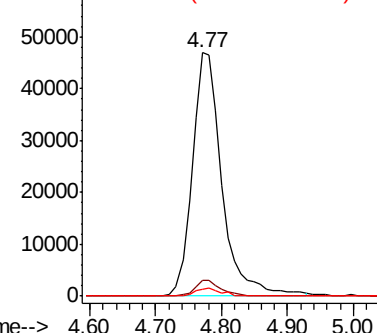
100 2.9 1.7 5.1

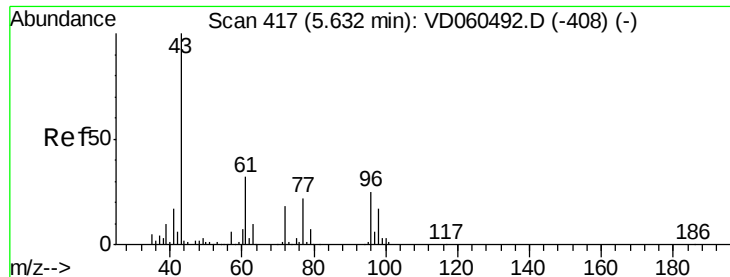


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 22.477 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 90952

Ion Ratio Lower Upper

43 100

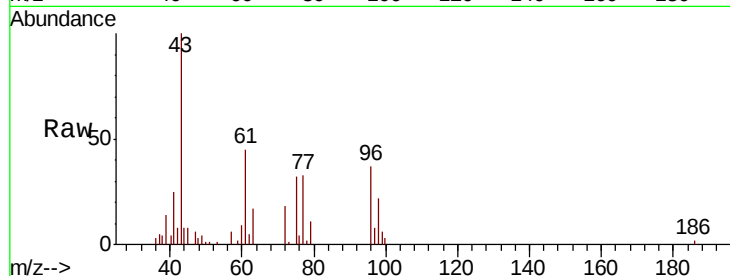
72 18.3 14.6 21.8

Manual Integrations

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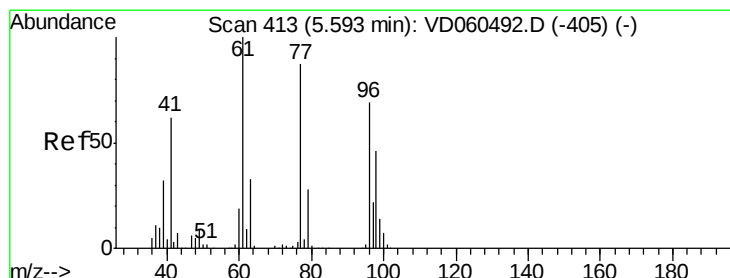
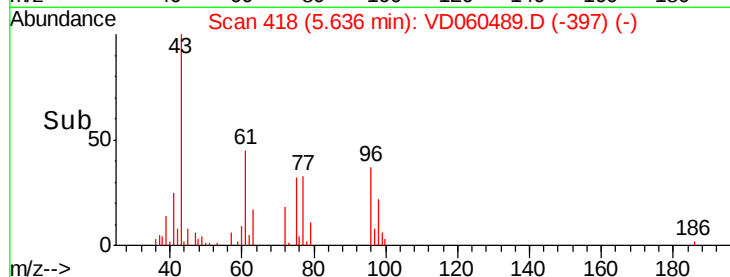
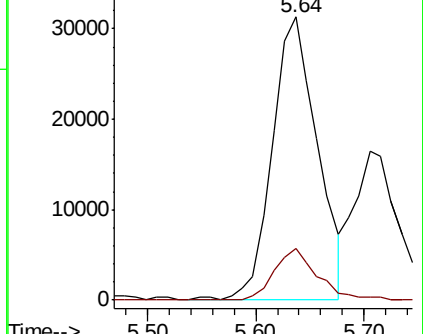
apatel

12/6/2018 10:48:53 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.374 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060489.D

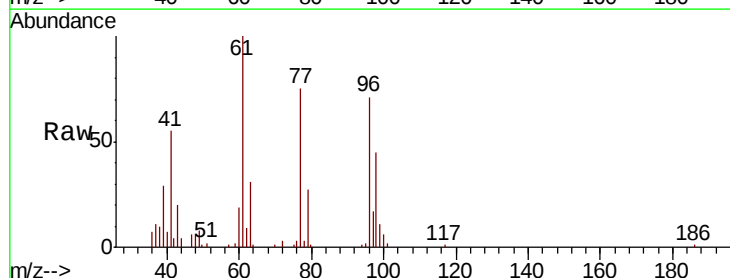
Acq: 5 Dec 2018 13:00

Tgt Ion: 77 Resp: 118482

Ion Ratio Lower Upper

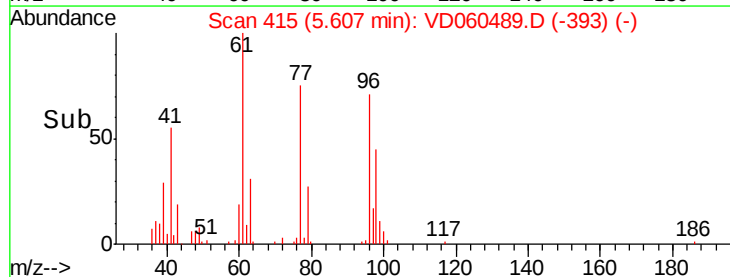
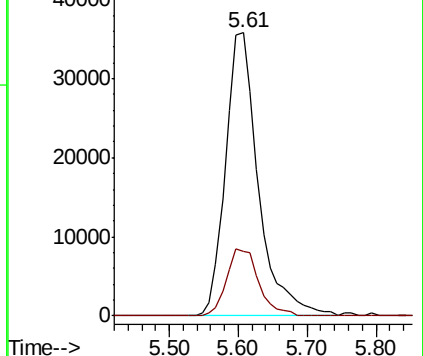
77 100

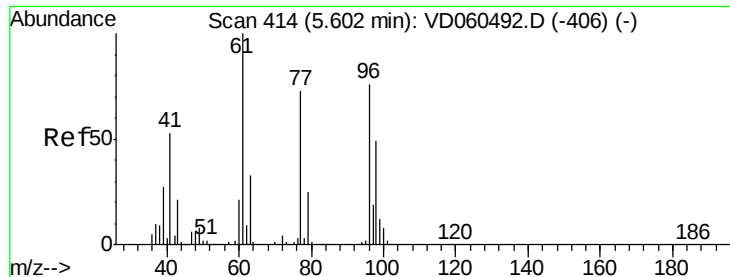
97 22.8 12.7 38.0



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: 5.087 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

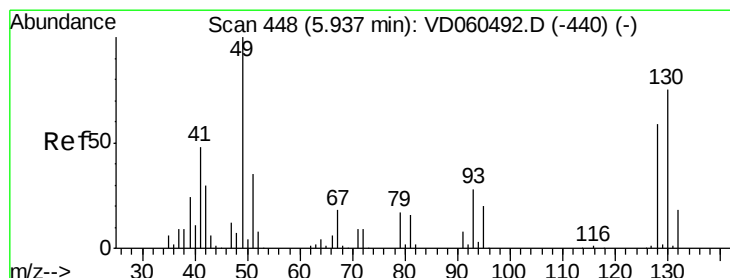
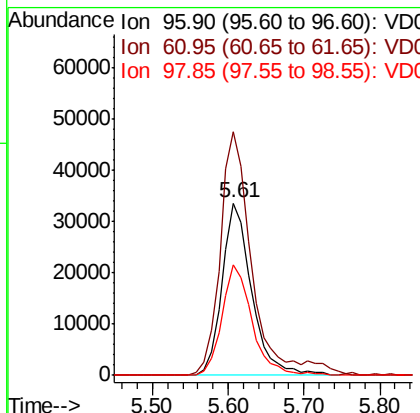
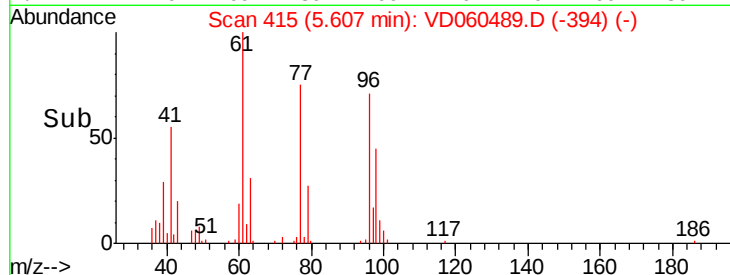
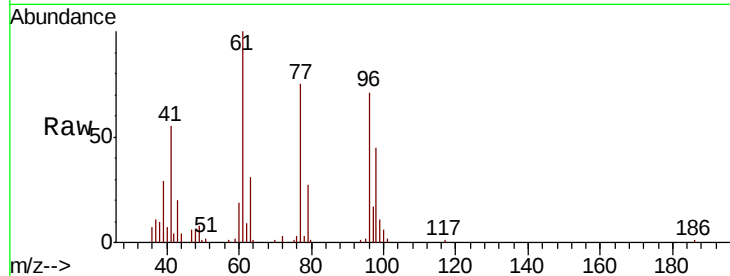
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	91314
Ion Ratio	Lower	Upper	
96	100		
61	141.1	0.0	263.6
98	64.2	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 5.566 ug/l

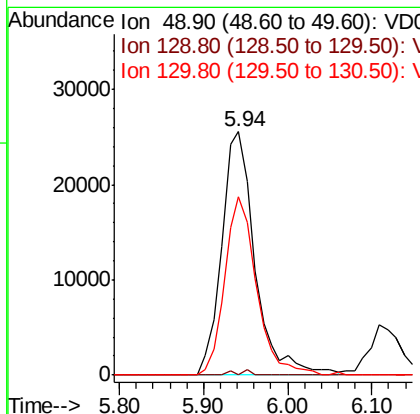
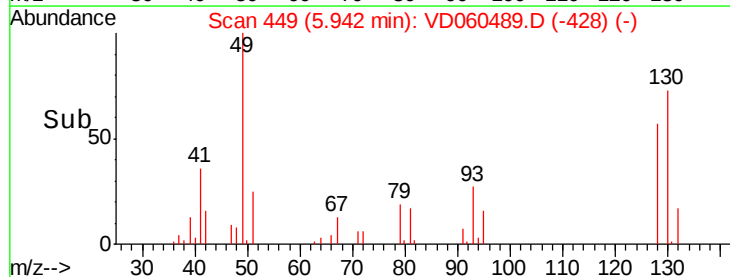
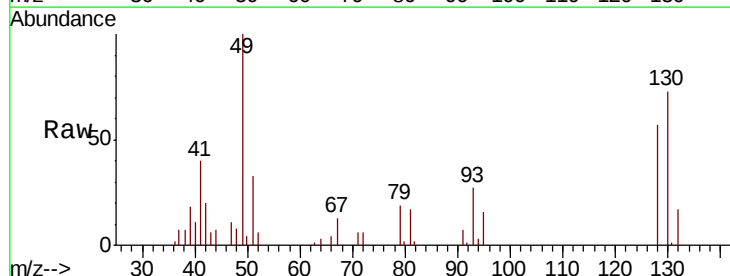
RT: 5.94 min Scan# 449

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Tgt Ion:	49	Resp:	69985
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	3.4
130	73.2	59.8	89.6





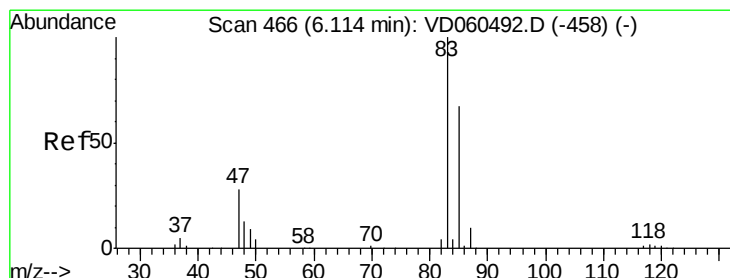
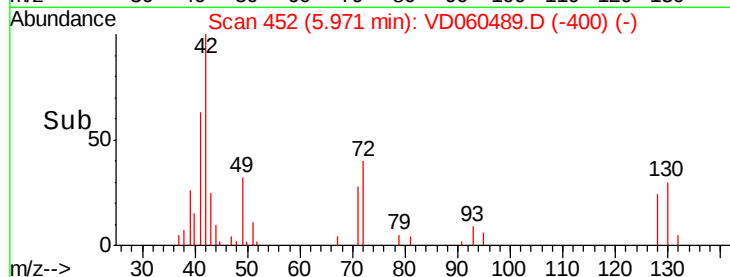
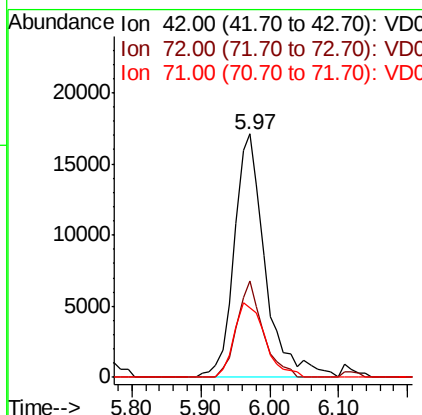
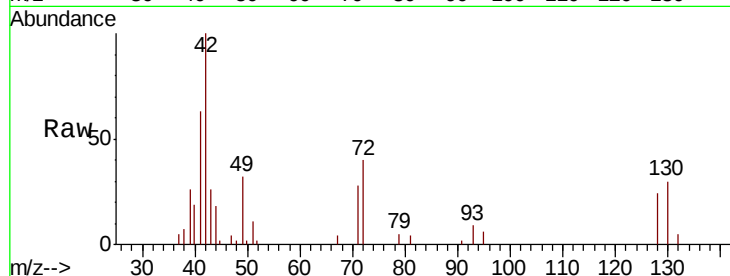
#29
Tetrahydrofuran
Concen: 24.568 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	33.4	28.0	42.0
71	30.4	27.2	40.8

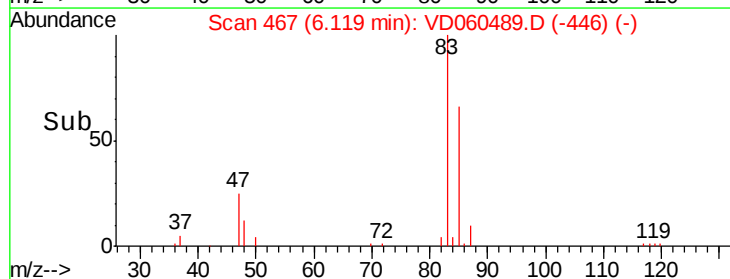
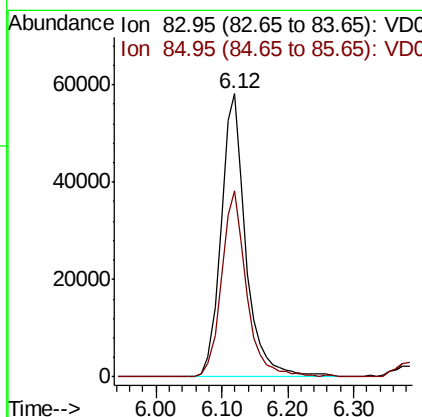
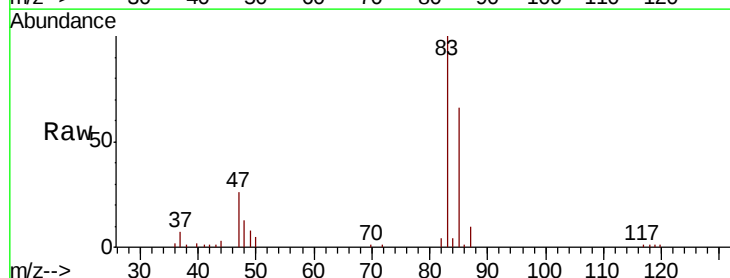
Manual Integrations
APPROVED

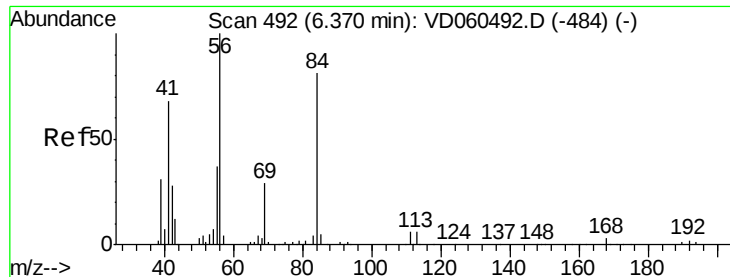
apatel
12/6/2018 10:48:53 AM



#30
Chloroform
Concen: 5.325 ug/l
RT: 6.12 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.4	80.2





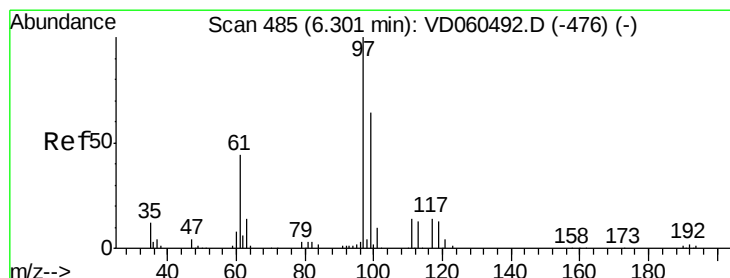
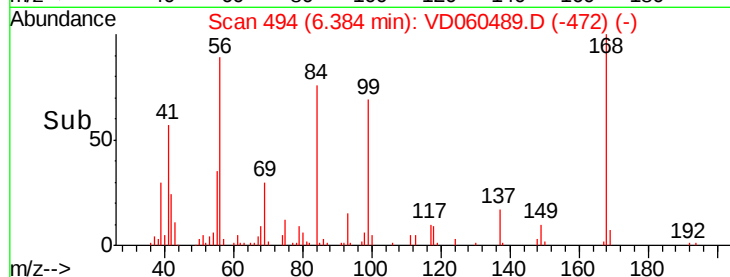
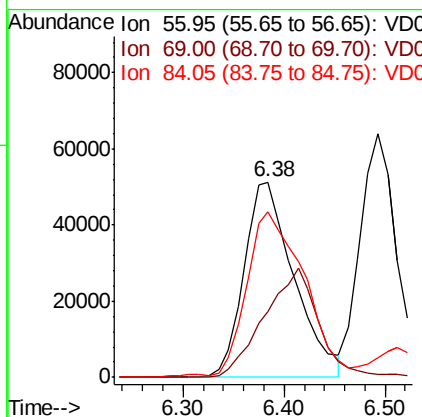
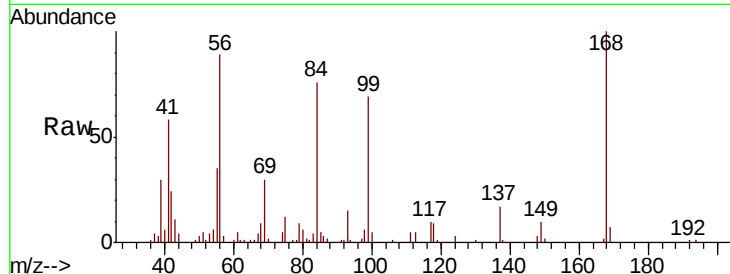
#31
Cyclohexane
Concen: 6.506 ug/l
RT: 6.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.6	22.8	34.2
84	85.0	65.1	97.7

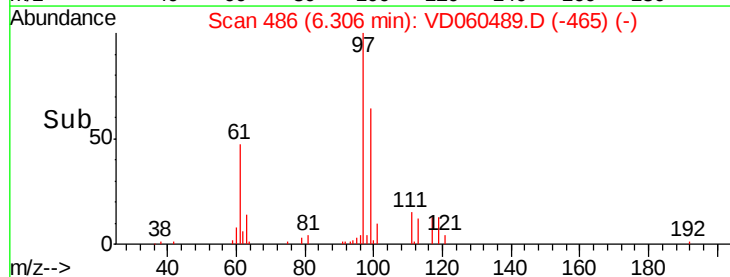
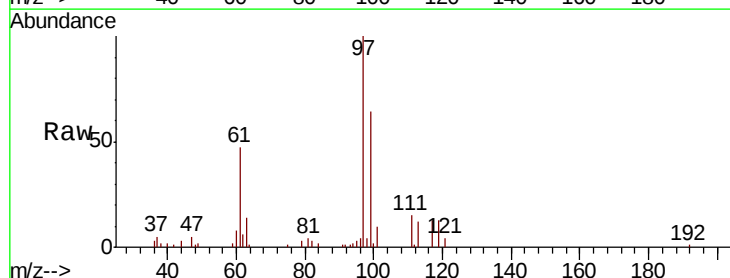
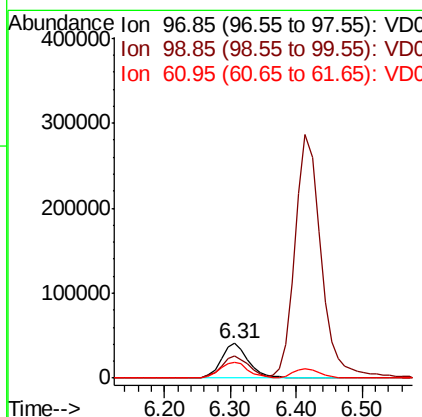
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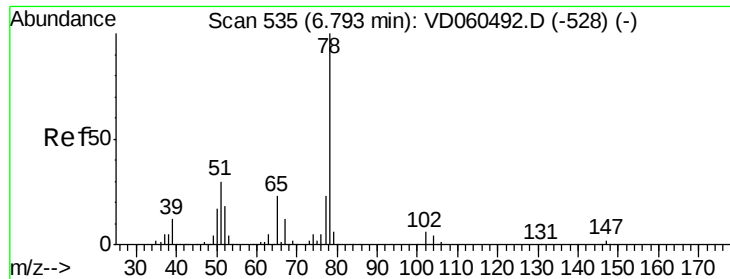
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#32
1,1,1-Trichloroethane
Concen: 4.986 ug/l
RT: 6.31 min Scan# 486
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	47.1	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 4.986 ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 61680

Ion Ratio Lower Upper

65 100

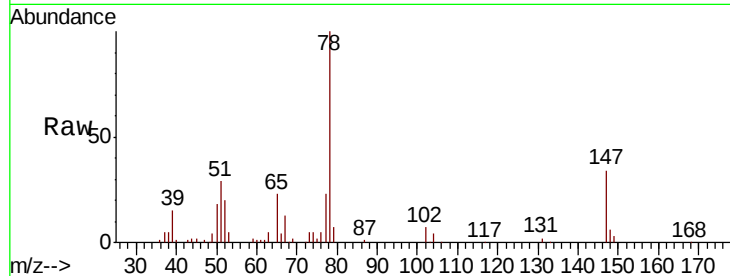
67 55.3 0.0 106.8

Manual Integrations

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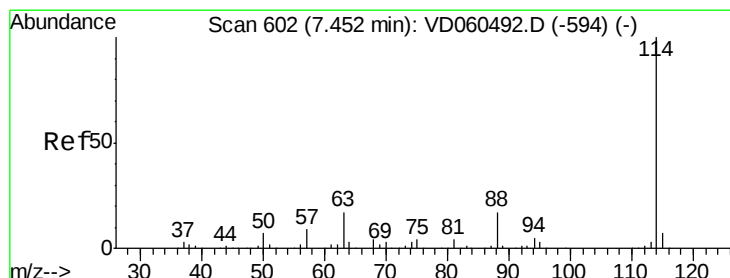
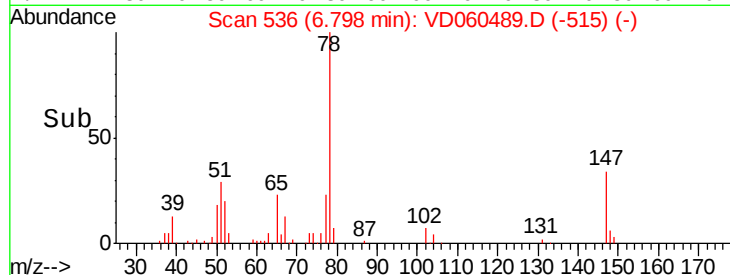
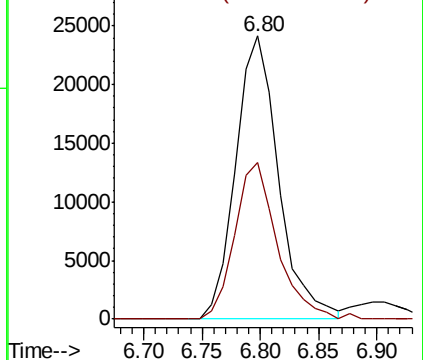
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

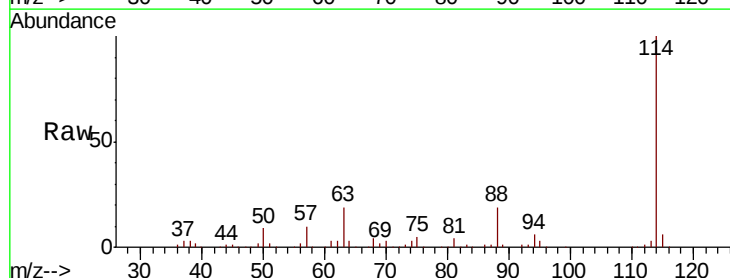
Tgt Ion: 114 Resp: 2226747

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.2

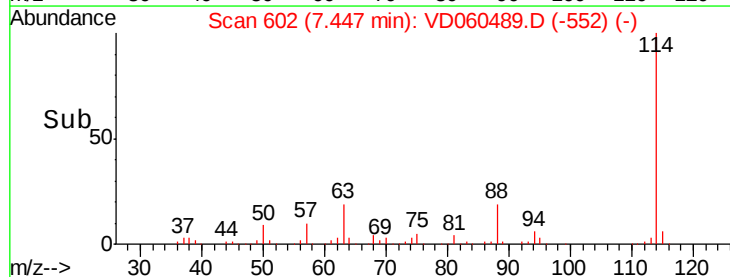
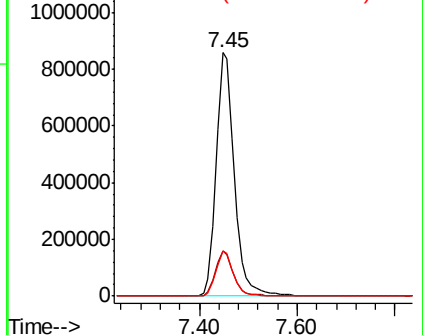
88 18.5 0.0 35.0

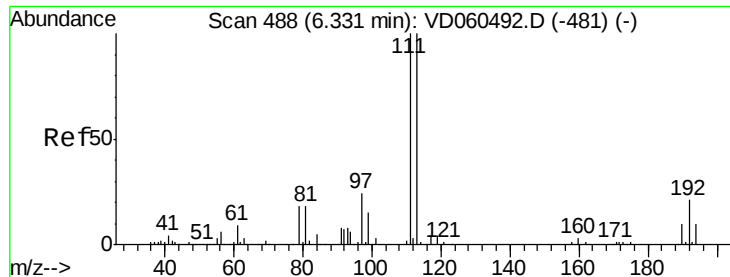


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





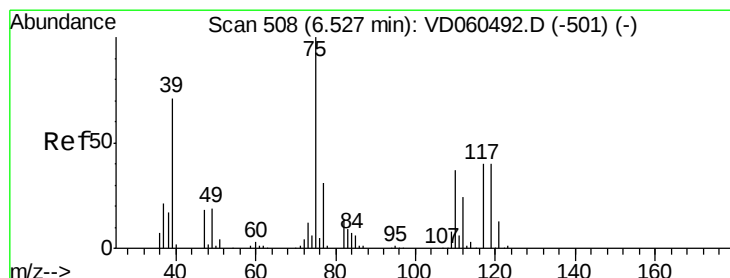
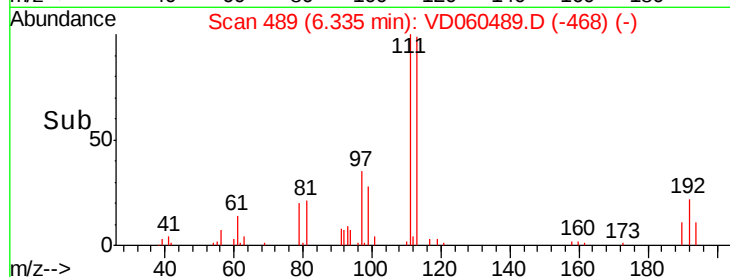
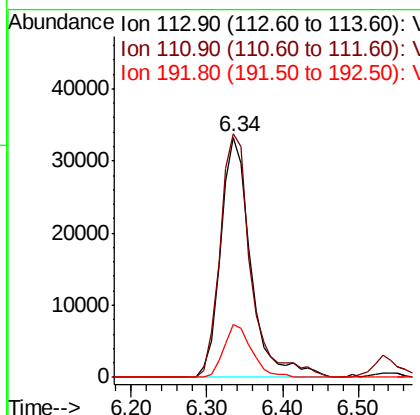
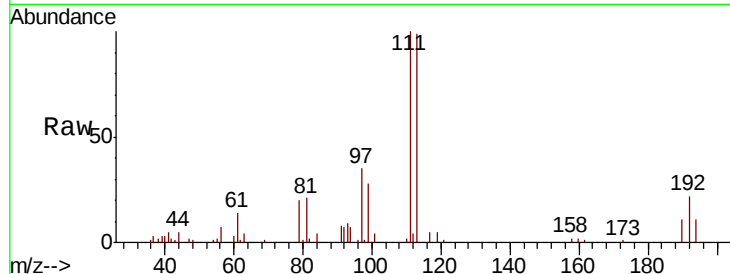
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 489
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	91895		
111	101.4	80.2	120.4	
192	22.1	16.6	24.8	

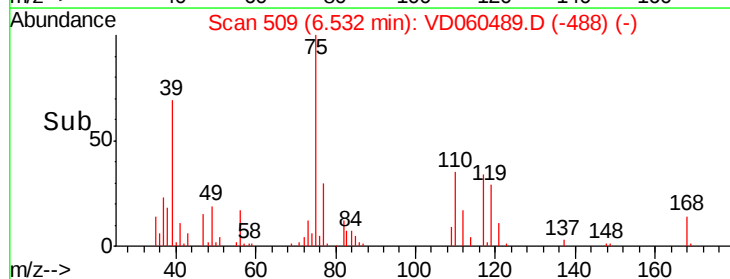
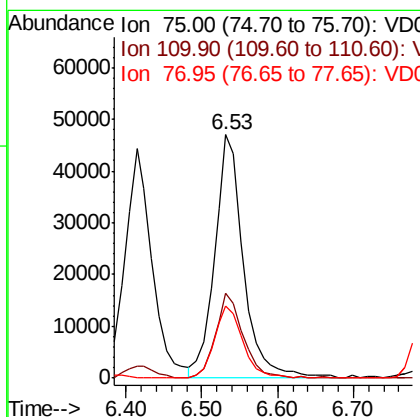
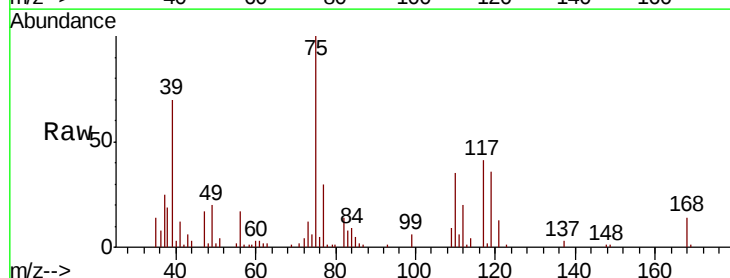
Manual Integrations
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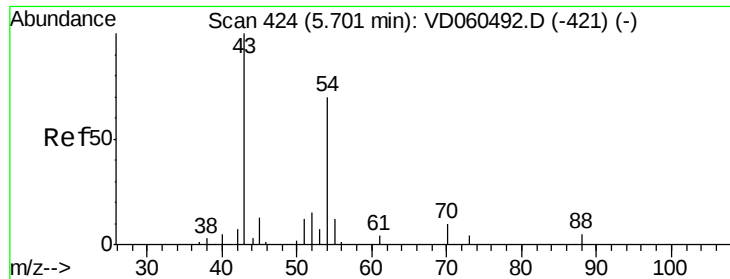
apatel
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#36
1,1-Dichloropropene
Concen: 5.646 ug/l
RT: 6.53 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124286		
110	34.8	18.3	54.8	
77	29.5	24.6	37.0	





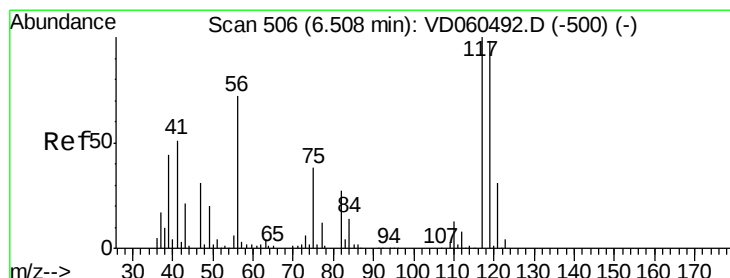
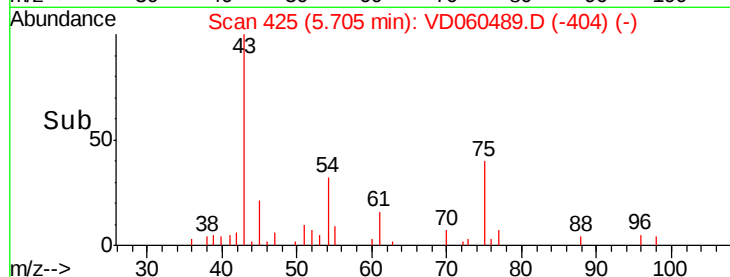
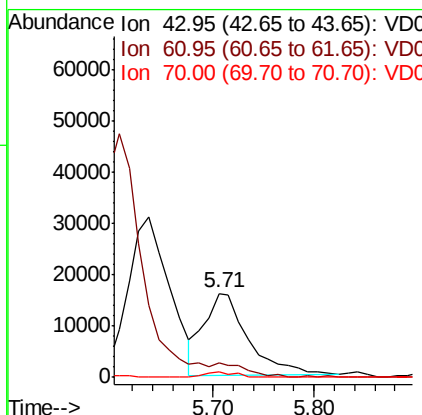
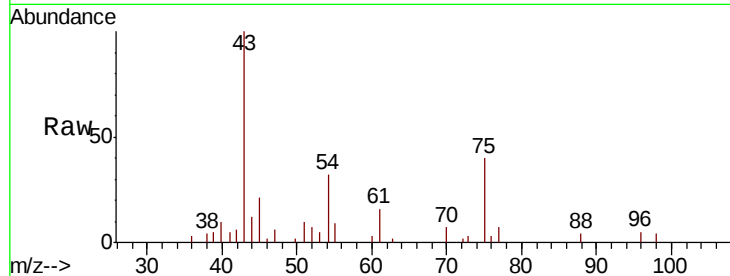
#37
Ethyl Acetate
Concen: 4.771 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 48100
Ion Ratio Lower Upper
43 100
61 16.5 12.4 18.6
70 6.9 5.4 8.0

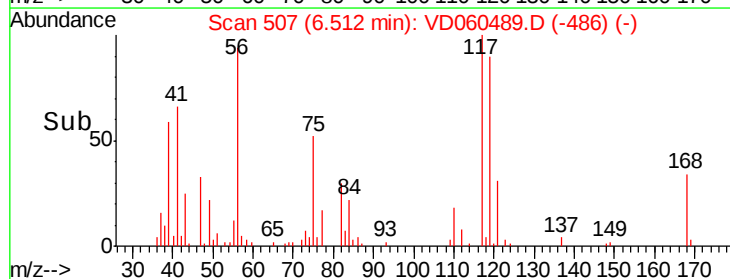
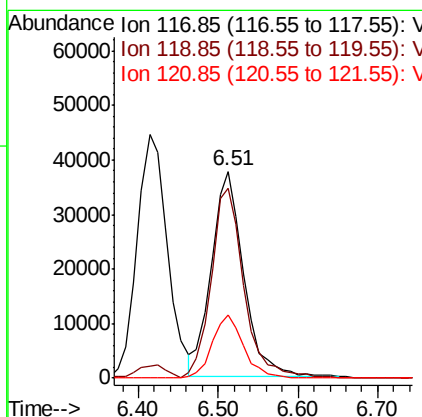
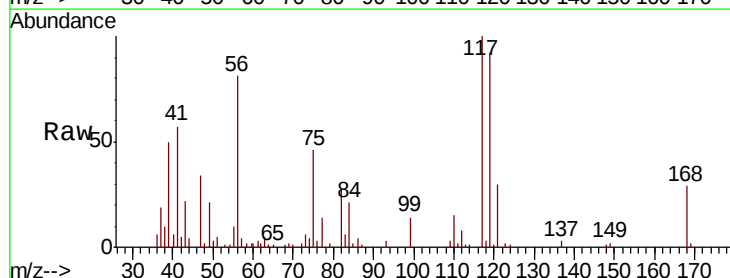
Manual Integrations
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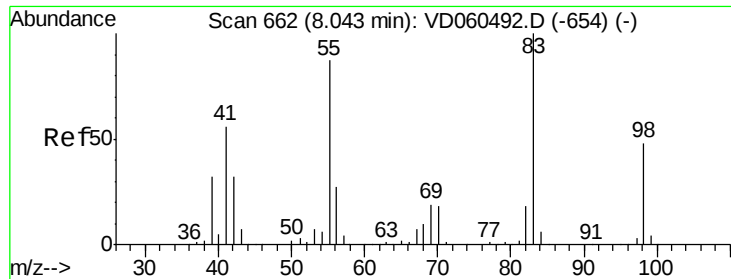
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#38
Carbon Tetrachloride
Concen: 5.268 ug/l
RT: 6.51 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion: 117 Resp: 106983
Ion Ratio Lower Upper
117 100
119 91.8 76.8 115.2
121 30.2 24.4 36.6





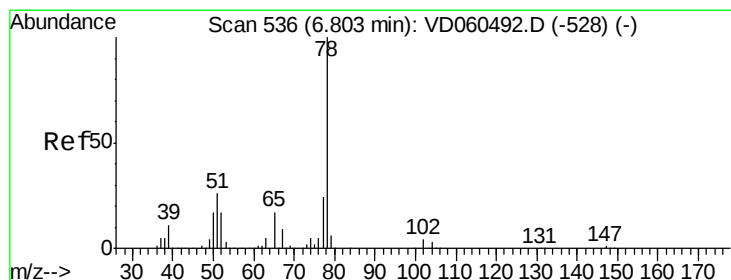
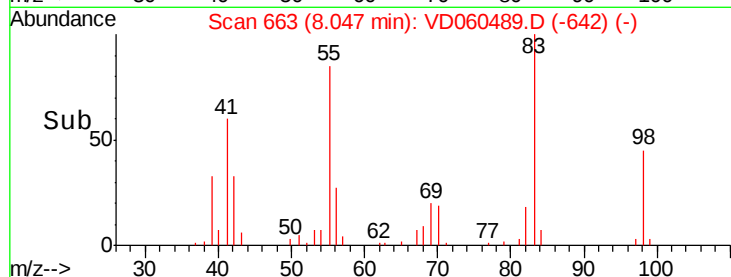
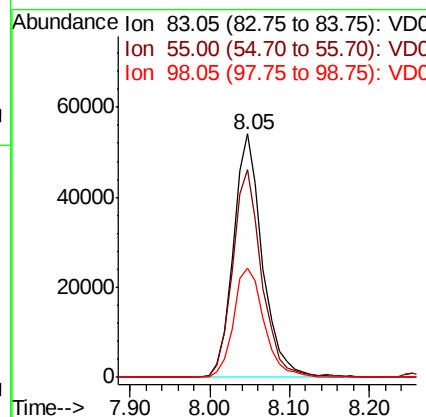
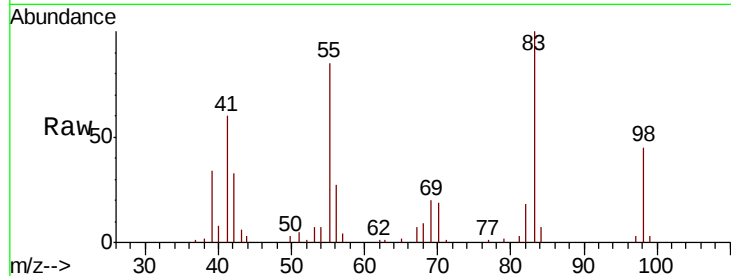
#39
Methylcyclohexane
Concen: 5.438 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.2	69.8	104.8
98	45.0	38.4	57.6

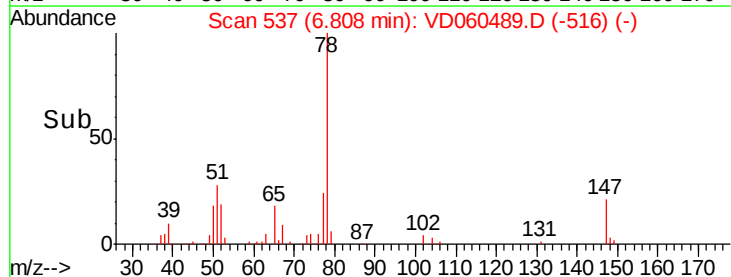
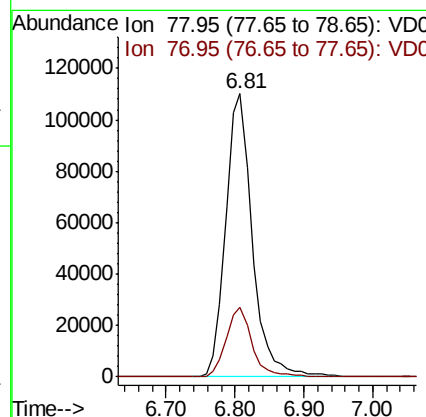
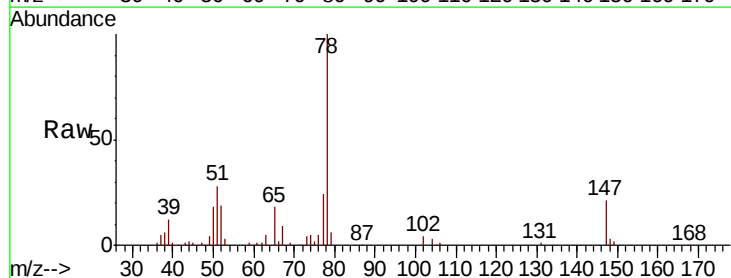
Manual Integrations
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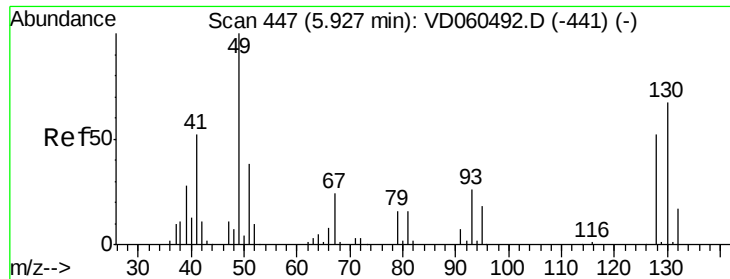
apatel
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#40
Benzene
Concen: 5.268 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.9	28.3





#41

Methacrylonitrile

Concen: 2.765 ug/l m

RT: 5.95 min Scan# 450

Delta R.T. 0.02 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 28813
Ion Ratio Lower Upper

41 100

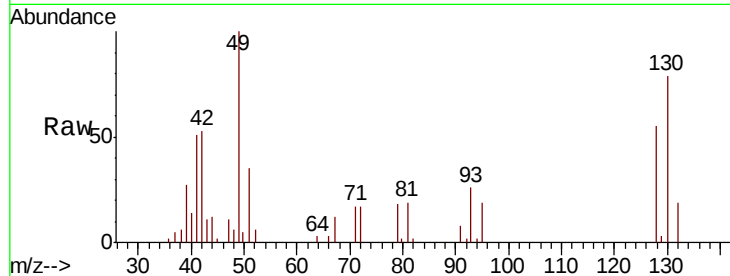
39 53.0 42.6 63.8

67 22.8 36.2 54.4#

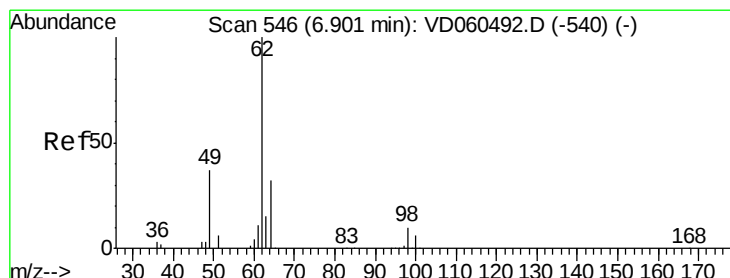
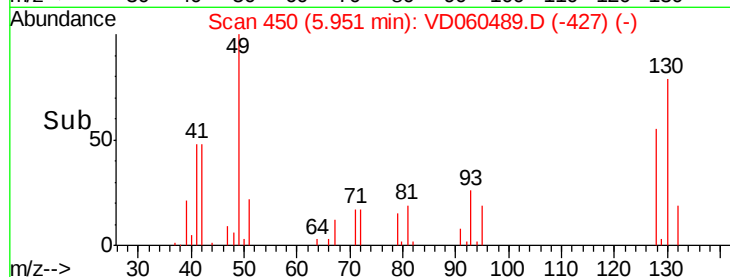
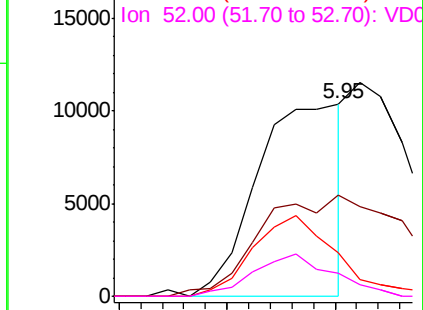
52 11.7 15.6 23.4#

Manual Integrations
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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: 5.076 ug/l

RT: 6.91 min Scan# 547

Delta R.T. 0.00 min

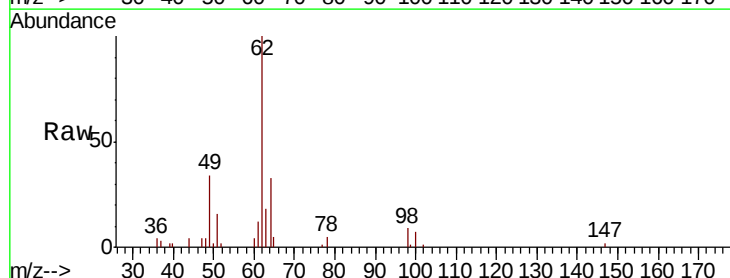
Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

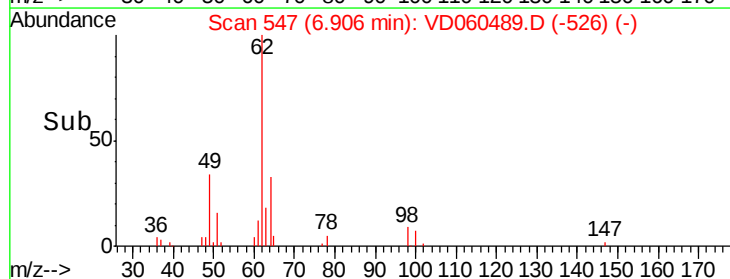
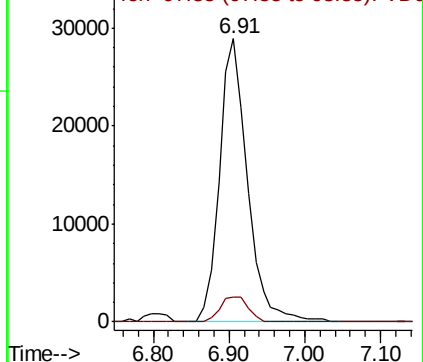
Tgt Ion: 62 Resp: 73987
Ion Ratio Lower Upper

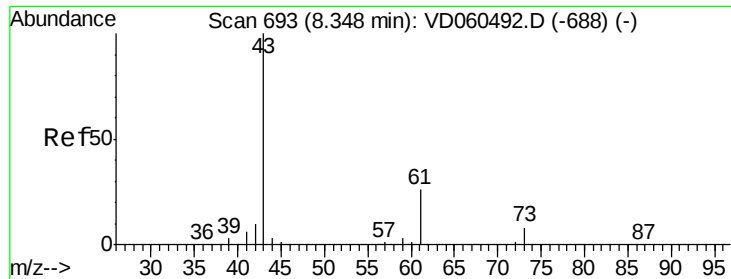
62 100

98 8.9 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: 4.393 ug/l

RT: 8.35 min Scan# 694

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

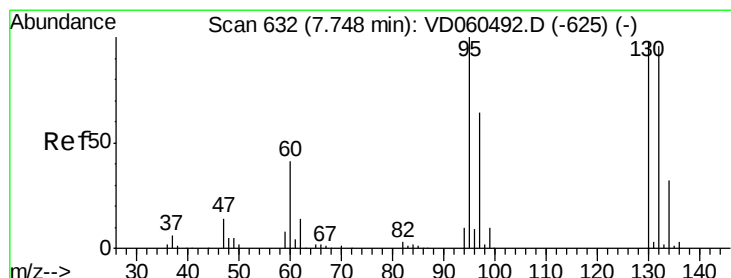
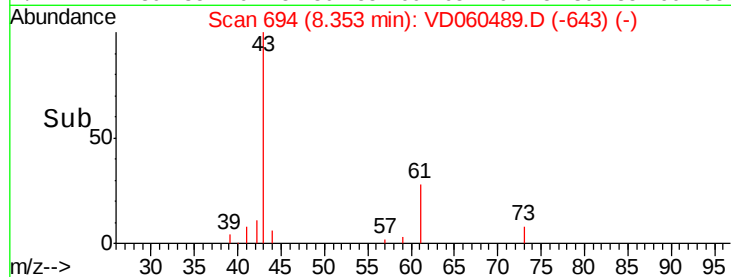
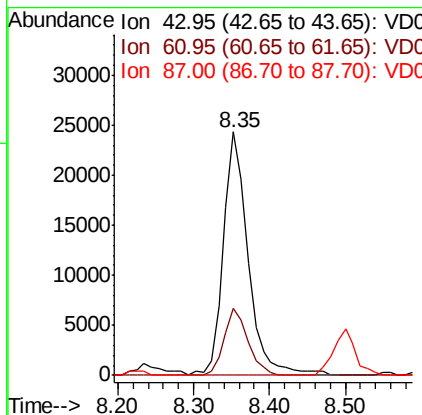
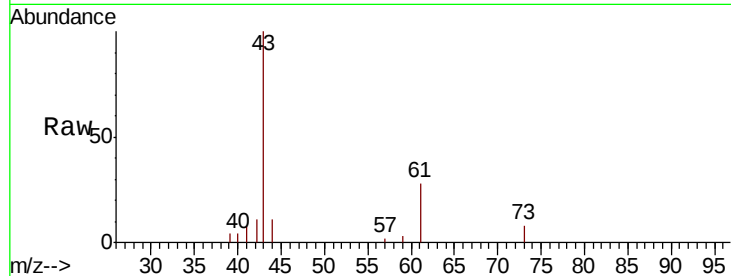
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	55163
Ion Ratio	Lower	Upper	
43	100		
61	27.7	21.0	31.4
87	0.0	0.2	0.2#

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#44

Trichloroethene

Concen: 5.018 ug/l

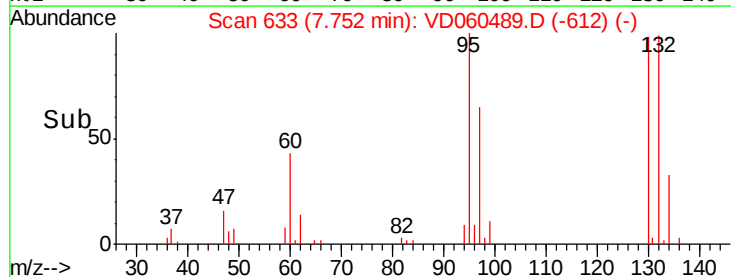
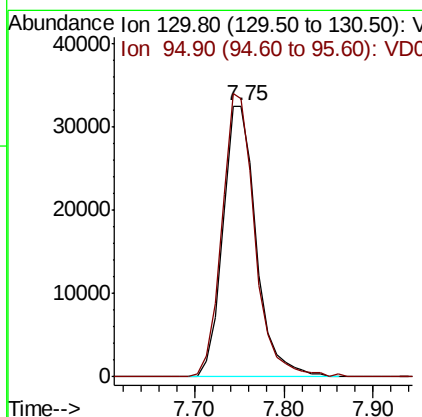
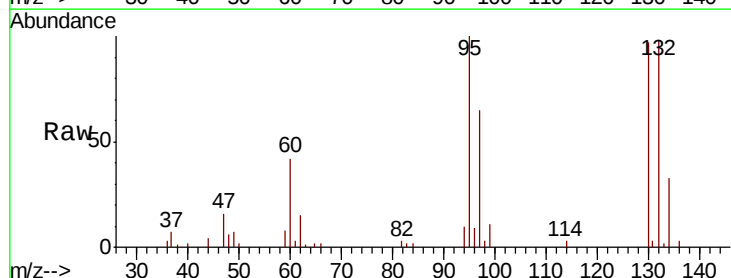
RT: 7.75 min Scan# 633

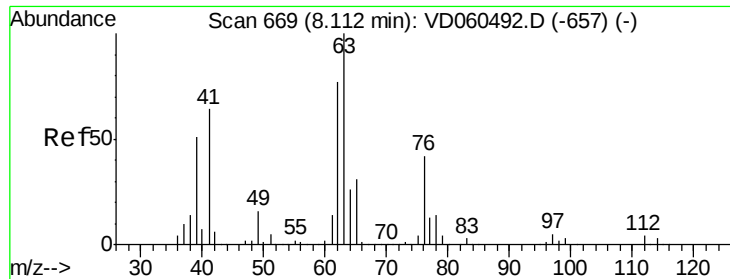
Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Tgt Ion:	130	Resp:	85275
Ion Ratio	Lower	Upper	
130	100		
95	102.6	0.0	203.8





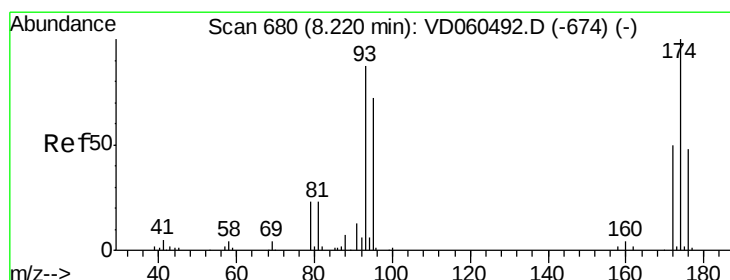
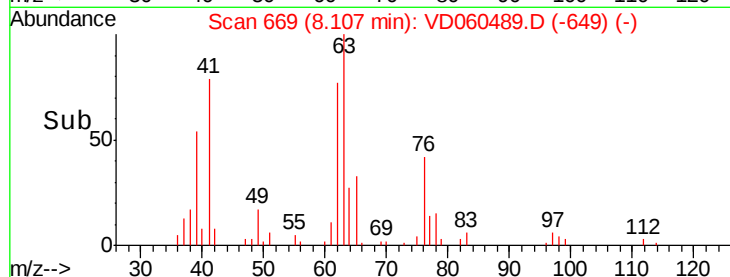
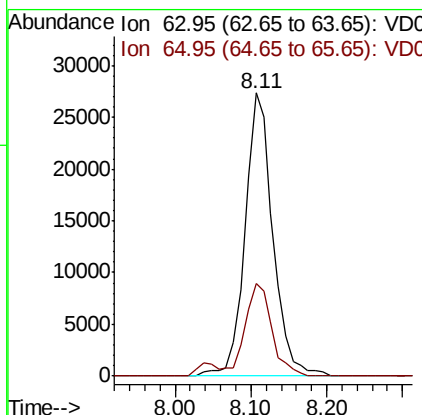
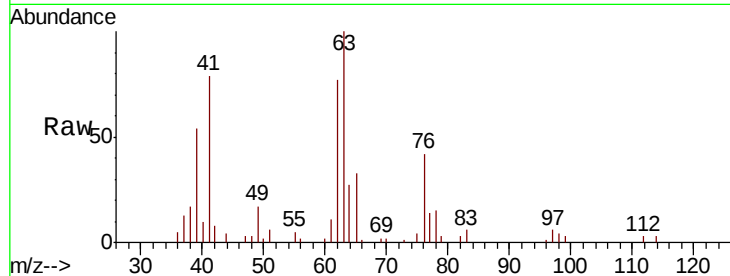
#45
1,2-Dichloropropane
Concen: 4.938 ug/l
RT: 8.11 min Scan# 669
Delta R.T. -0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 69594
Ion Ratio Lower Upper
63 100
65 32.6 24.6 37.0

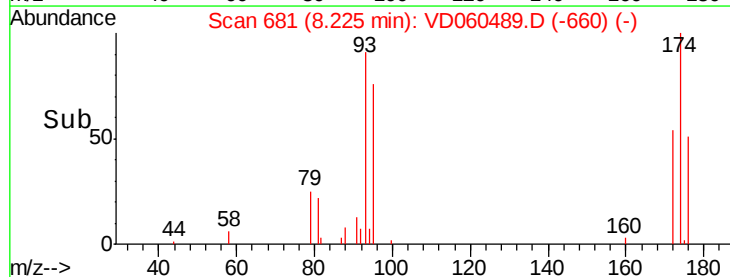
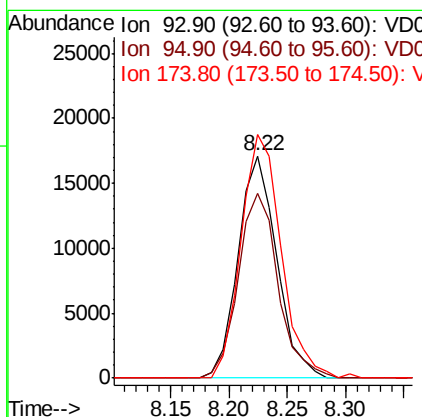
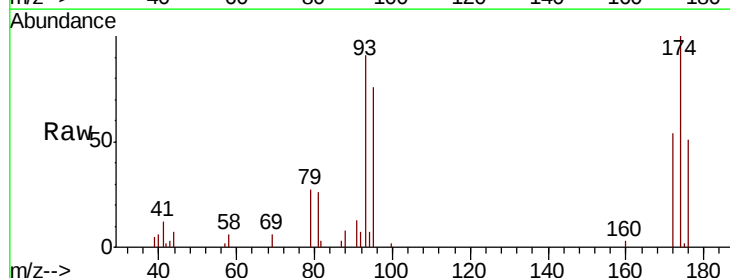
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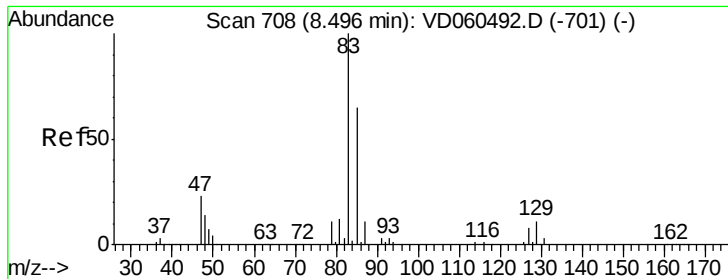
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#46
Dibromomethane
Concen: 4.753 ug/l
RT: 8.22 min Scan# 681
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion: 93 Resp: 39303
Ion Ratio Lower Upper
93 100
95 83.0 65.6 98.4
174 109.6 91.7 137.5





#47

Bromodichloromethane

Concen: 5.018 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

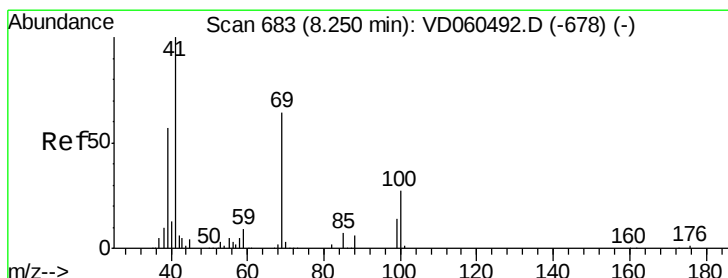
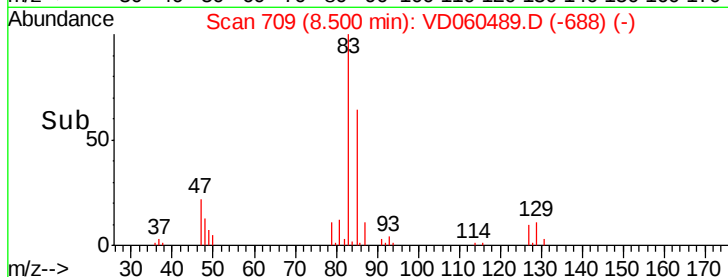
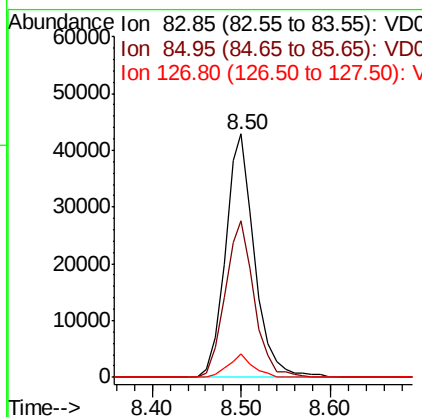
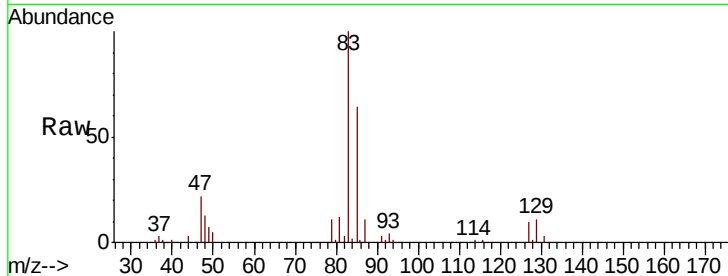
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	97375
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.2	78.4
127	9.5	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.138 ug/l

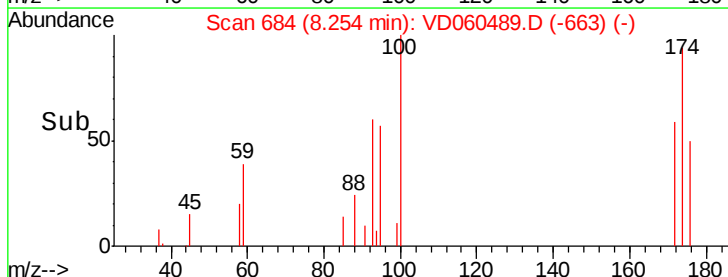
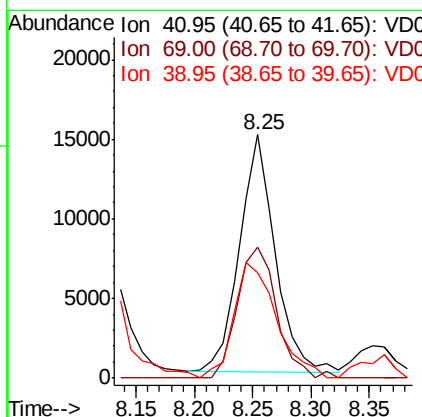
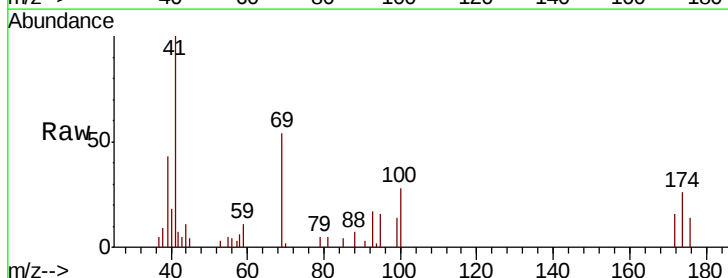
RT: 8.25 min Scan# 684

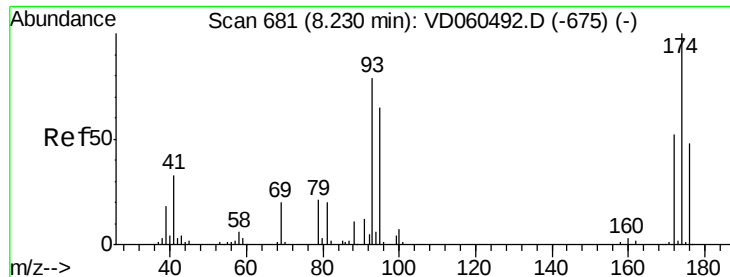
Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Tgt Ion:	41	Resp:	31694
Ion Ratio	Lower	Upper	
41	100		
69	53.6	50.2	75.4
39	43.2	46.1	69.1#





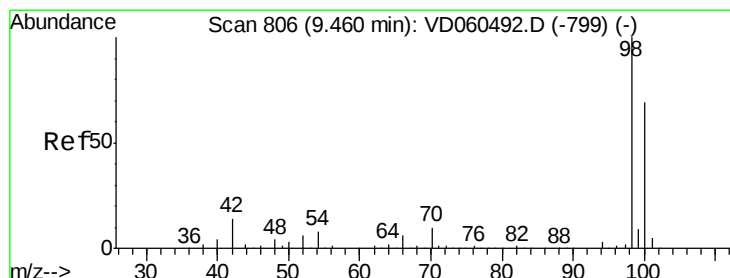
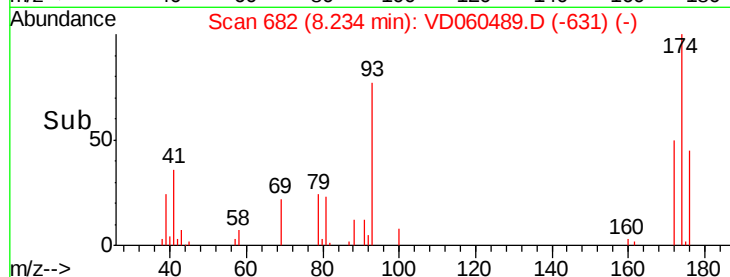
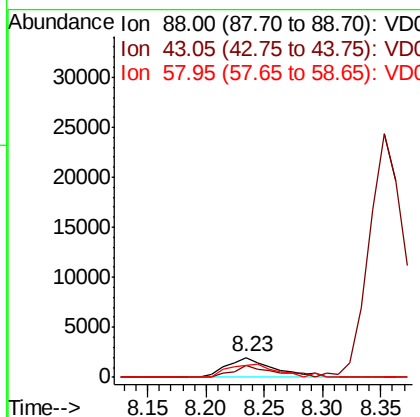
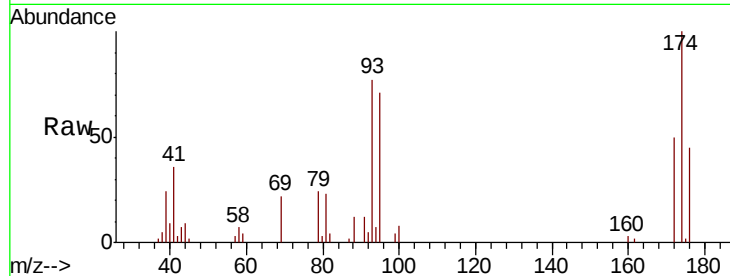
#49
1,4-Dioxane
Concen: 82.019 ug/l
RT: 8.23 min Scan# 682
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 5487
Ion Ratio Lower Upper
88 100
43 60.4 32.9 49.3#
58 62.0 47.7 71.5

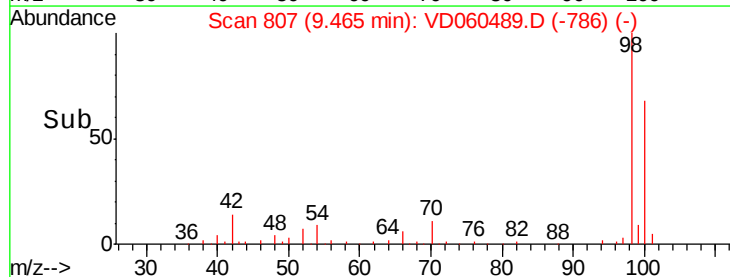
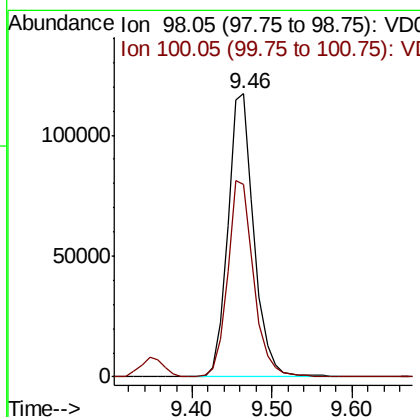
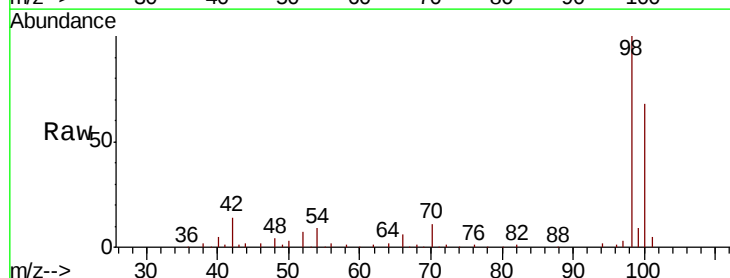
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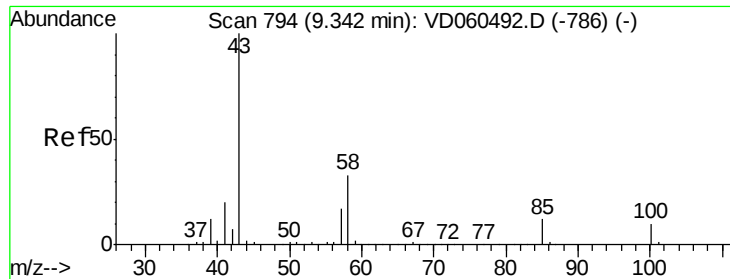
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#50
Toluene-d8
Concen: 82.019 ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion: 98 Resp: 266696
Ion Ratio Lower Upper
98 100
100 67.9 55.7 83.5





#51

4-Methyl-2-Pentanone

Concen: 22.051 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 180450

Ion Ratio Lower Upper

43 100

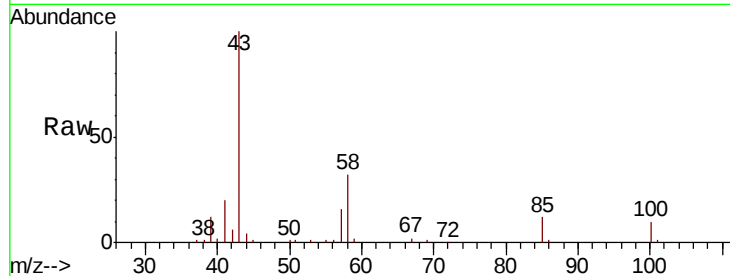
58 32.2 26.3 39.5

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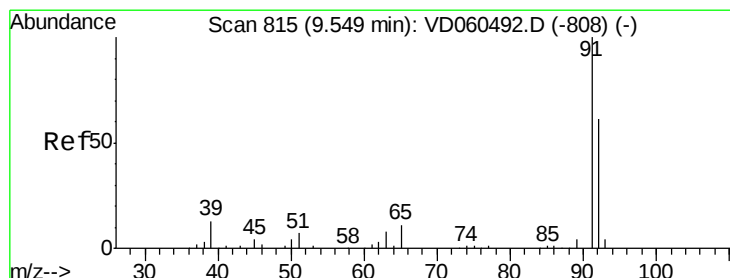
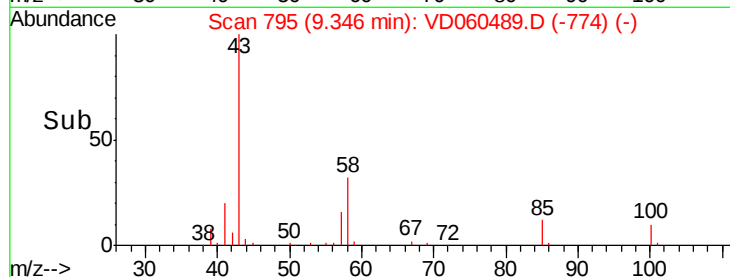
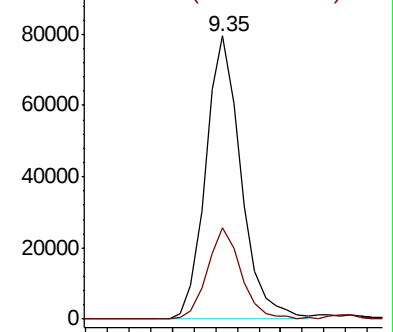
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.175 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD060489.D

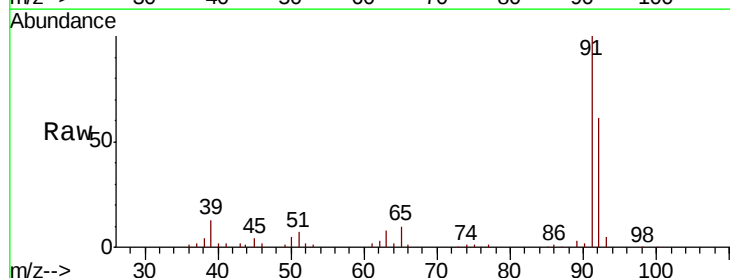
Acq: 5 Dec 2018 13:00

Tgt Ion: 92 Resp: 184956

Ion Ratio Lower Upper

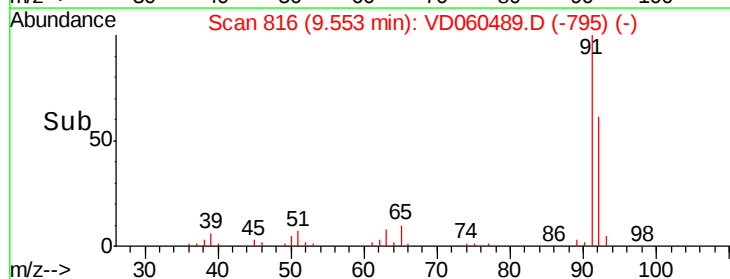
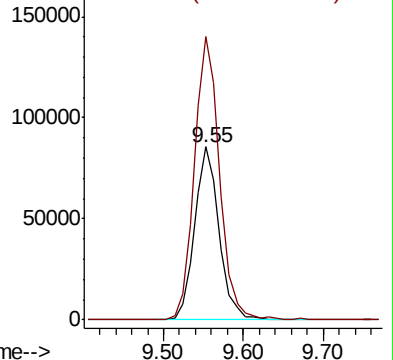
92 100

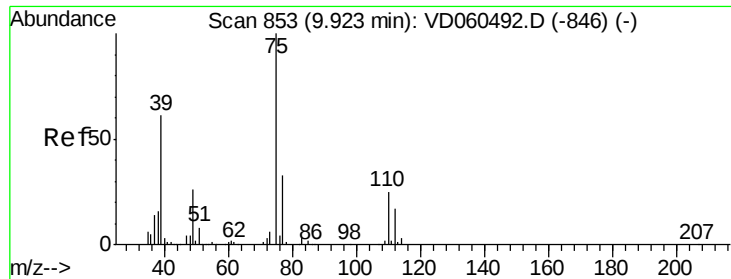
91 163.7 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 4.616 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 75353

Ion Ratio Lower Upper

75 100

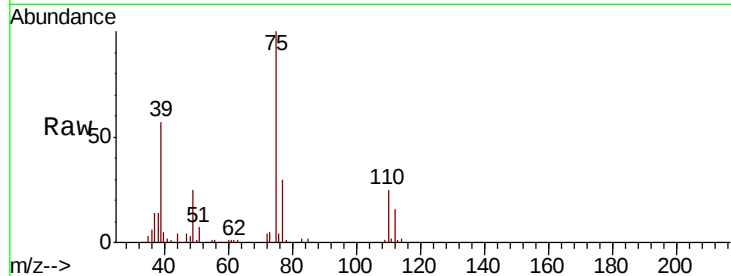
77 30.1 26.2 39.2

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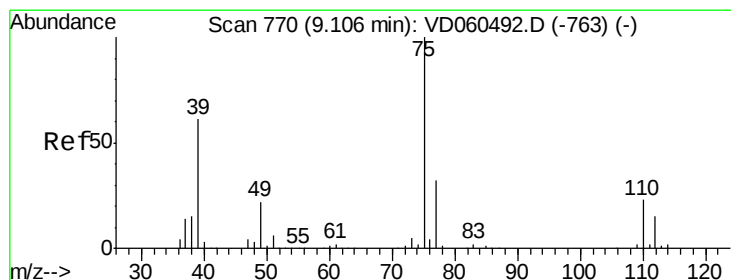
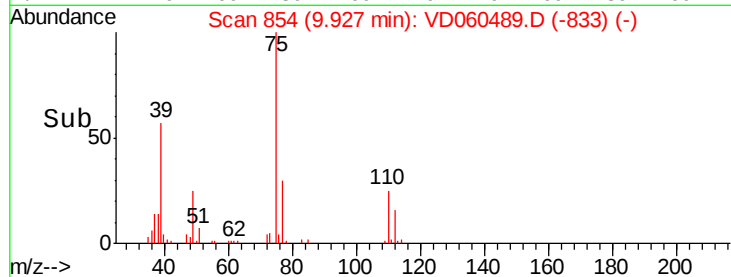
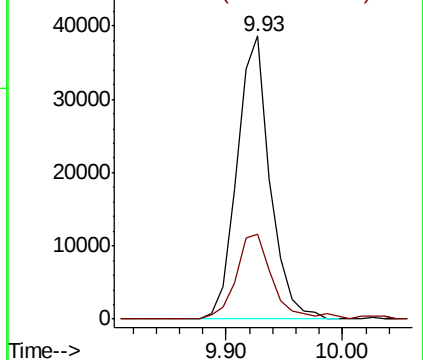
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 4.810 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

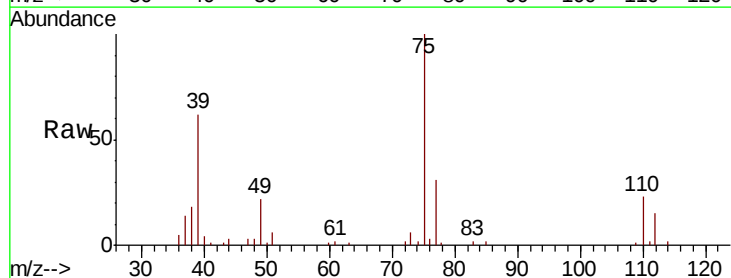
Tgt Ion: 75 Resp: 101533

Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4

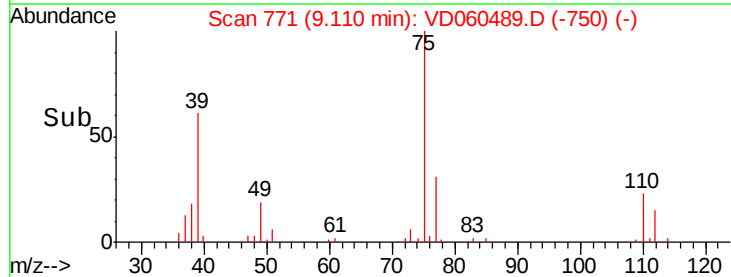
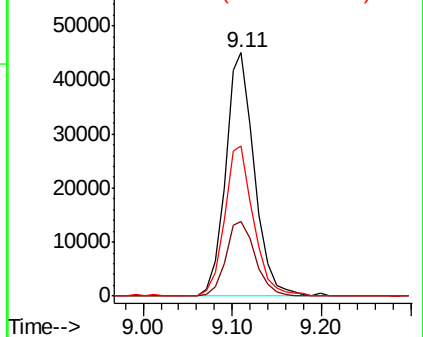
39 61.8 48.6 73.0

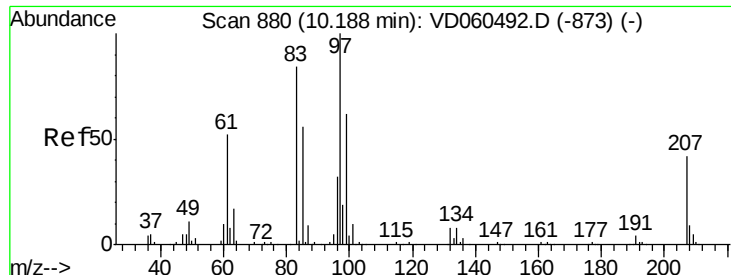


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





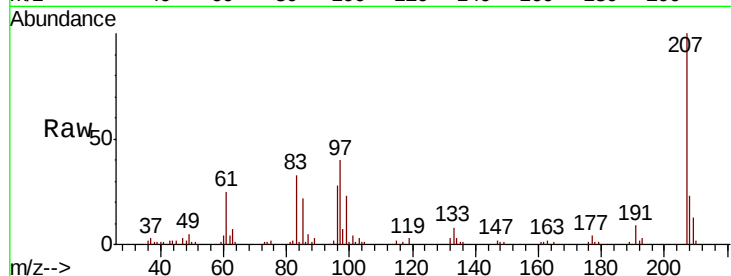
#55
 1,1,2-Trichloroethane
 Concen: 5.160 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

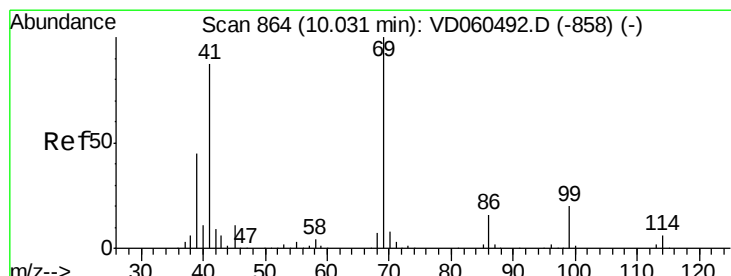
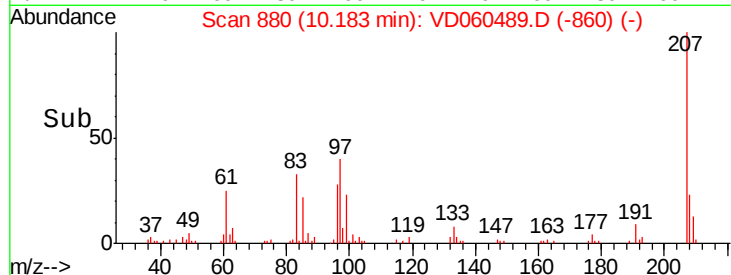
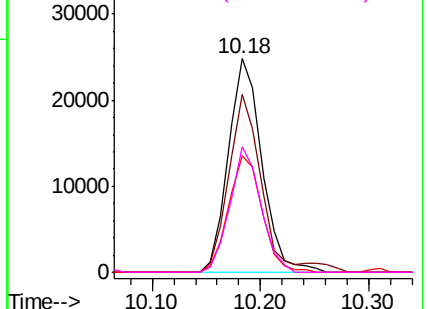
Tgt Ion:	97	Resp:	53406
Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.2	100.8
85	54.4	44.5	66.7
99	58.9	49.3	73.9

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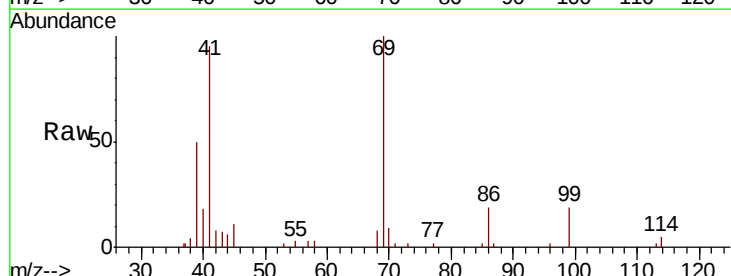


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

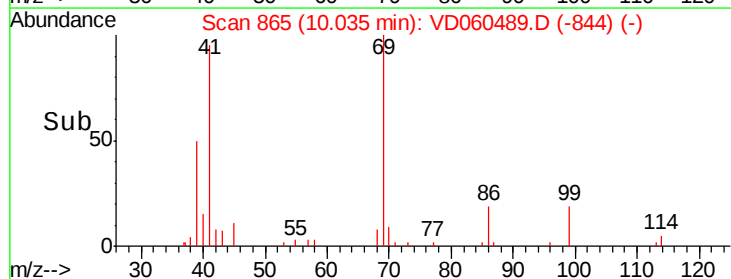
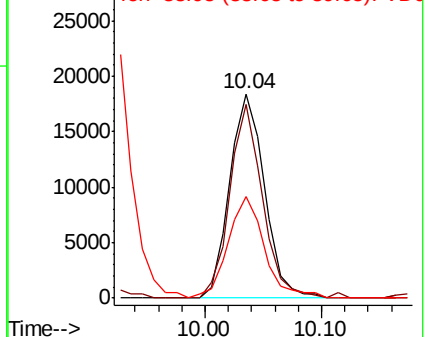


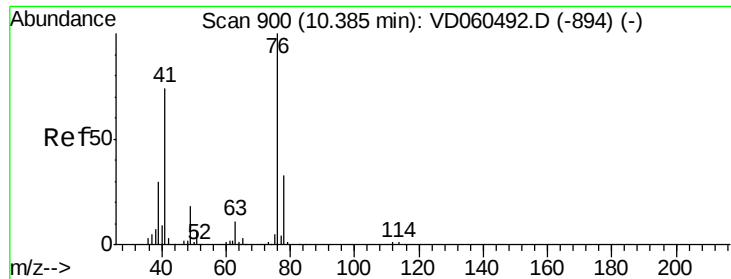
#56
 Ethyl methacrylate
 Concen: 4.037 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Tgt Ion:	69	Resp:	38149
Ion	Ratio	Lower	Upper
69	100		
41	95.1	69.8	104.8
39	49.6	37.5	56.3



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





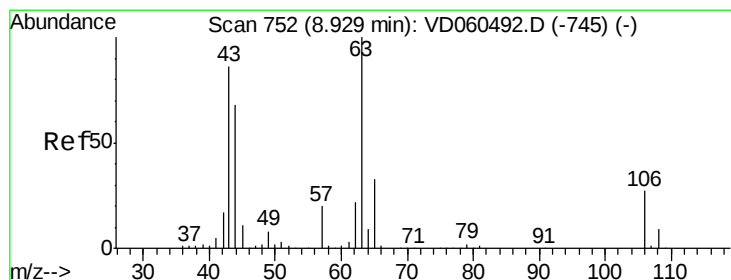
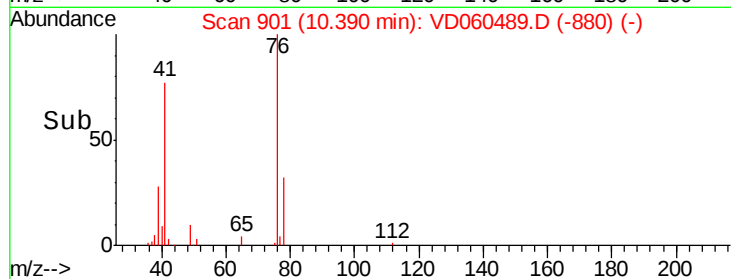
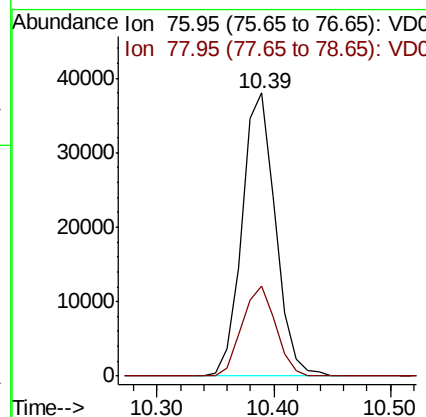
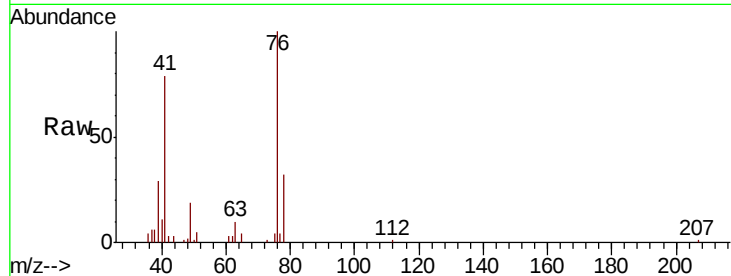
#57
 1,3-Dichloropropane
 Concen: 4.787 ug/l
 RT: 10.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 76 Resp: 75206
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.1 39.1

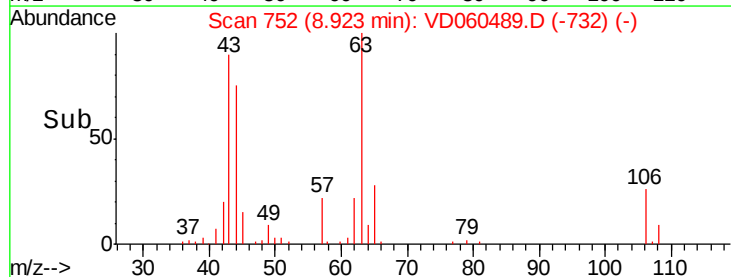
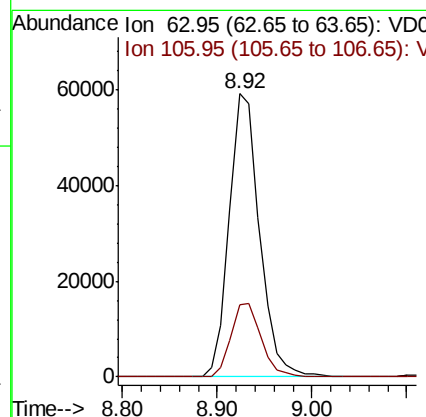
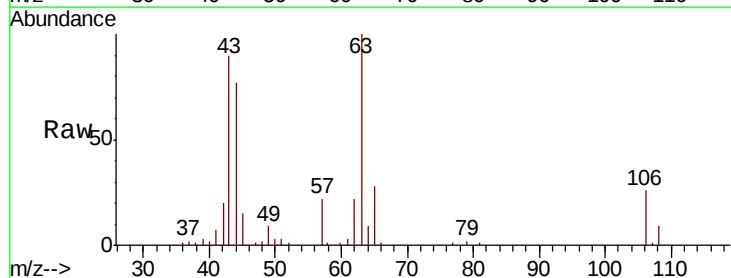
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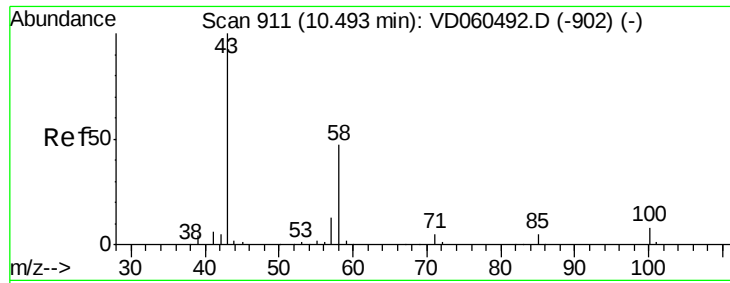
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#58
 2-Chloroethyl Vinyl ether
 Concen: 23.110 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Tgt Ion: 63 Resp: 131410
 Ion Ratio Lower Upper
 63 100
 106 25.5 21.6 32.4





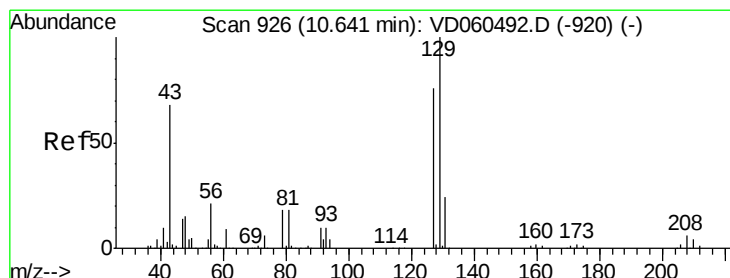
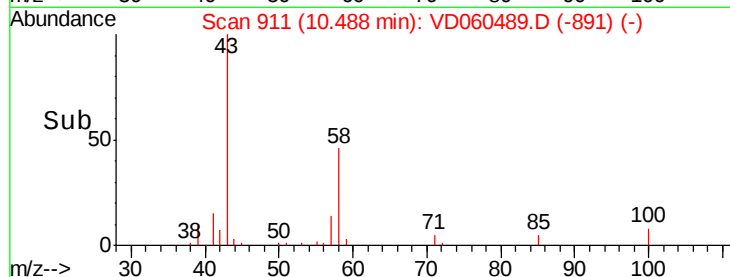
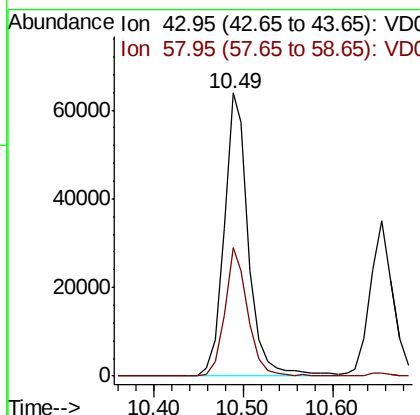
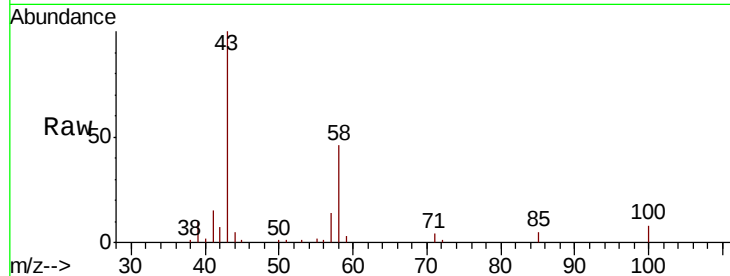
#59
2-Hexanone
Concen: 21.142 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 122621
Ion Ratio Lower Upper
43 100
58 45.6 23.4 70.2

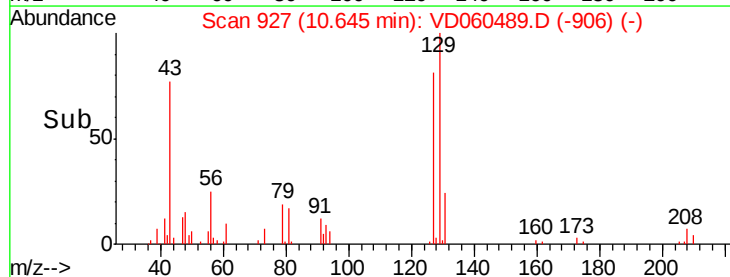
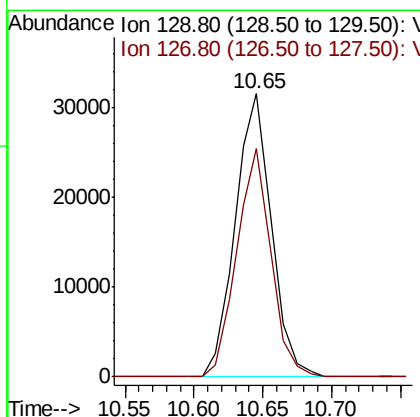
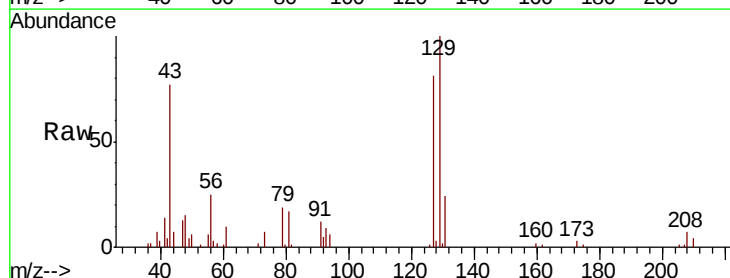
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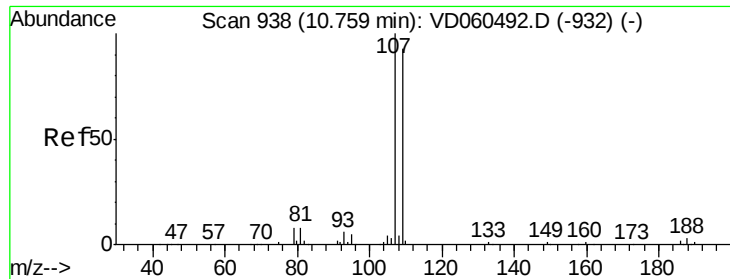
apatel
12/6/2018 10:48:53 AM



#60
Dibromochloromethane
Concen: 4.591 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion: 129 Resp: 57656
Ion Ratio Lower Upper
129 100
127 80.7 38.1 114.3





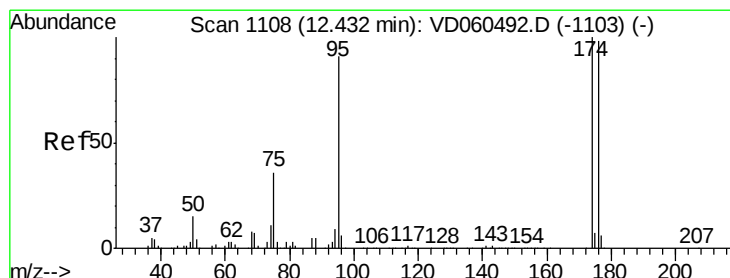
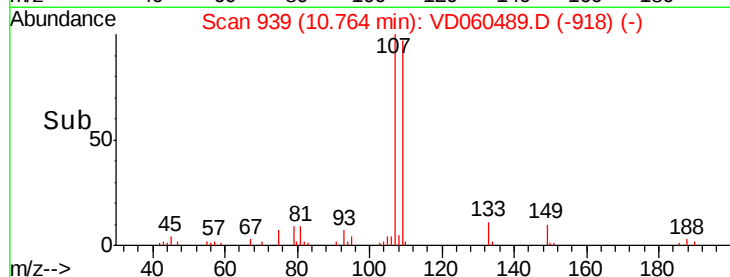
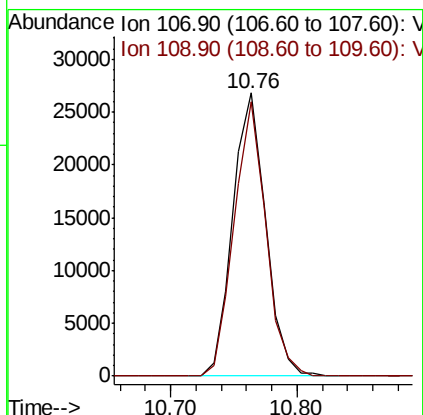
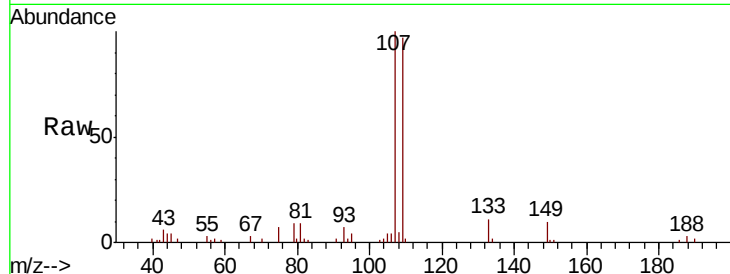
#61
 1,2-Dibromoethane
 Concen: 4.664 ug/l
 RT: 10.76 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 107 Resp: 48293
 Ion Ratio Lower Upper
 107 100
 109 97.1 74.7 112.1

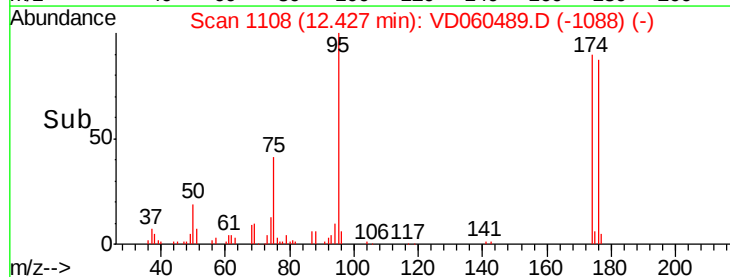
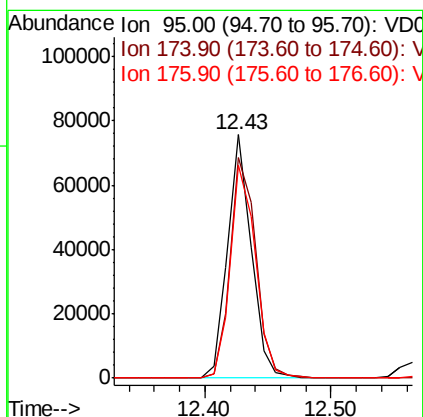
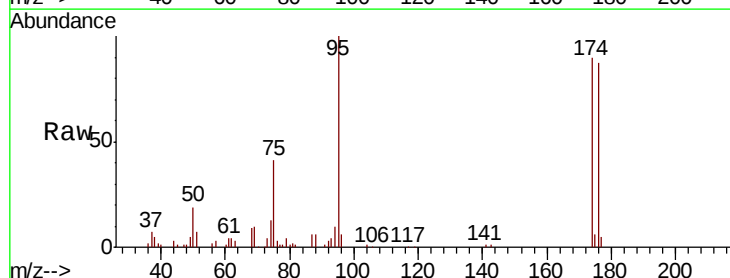
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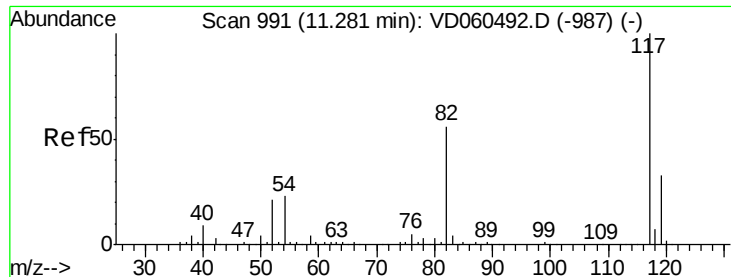
apatel
 12/6/2018 10:48:53 AM



#62
 4-Bromofluorobenzene
 Concen: 4.664 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Tgt Ion: 95 Resp: 98252
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 219.4
 176 87.4 0.0 214.6





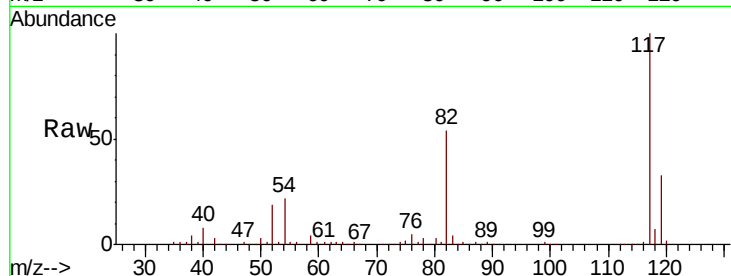
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

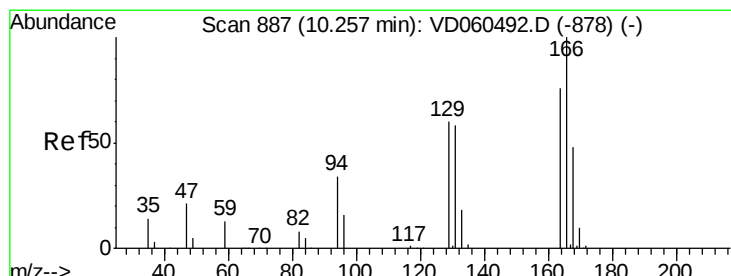
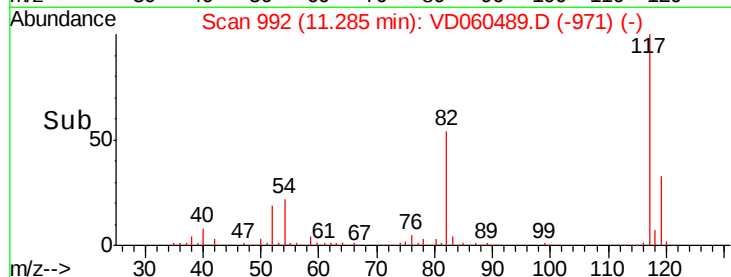
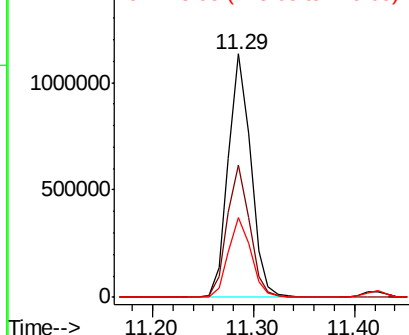
Tgt Ion:117 Resp: 1768112
Ion Ratio Lower Upper
117 100
82 54.3 45.2 67.8
119 32.8 26.1 39.1

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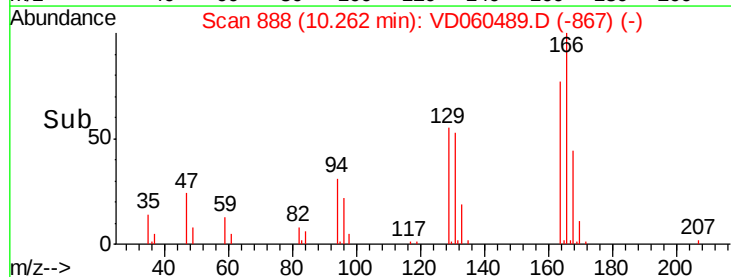
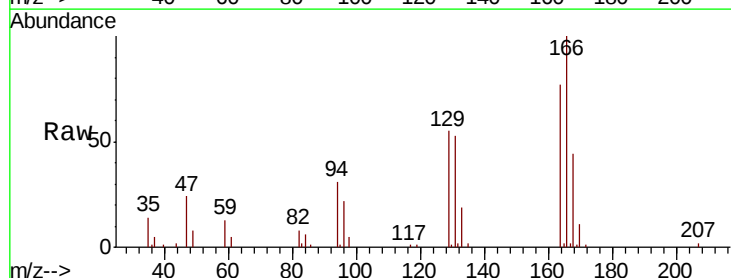
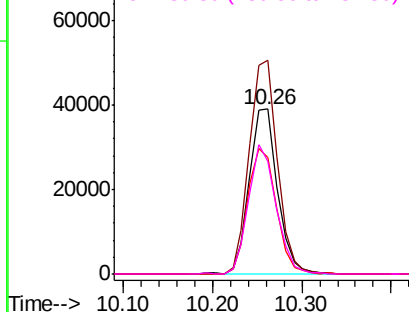
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 5.374 ug/l
RT: 10.26 min Scan# 888
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion:164 Resp: 85057
Ion Ratio Lower Upper
164 100
166 129.4 105.0 157.6
129 70.9 63.0 94.4
131 67.9 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





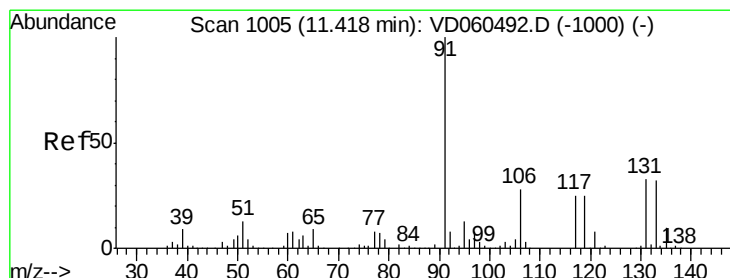
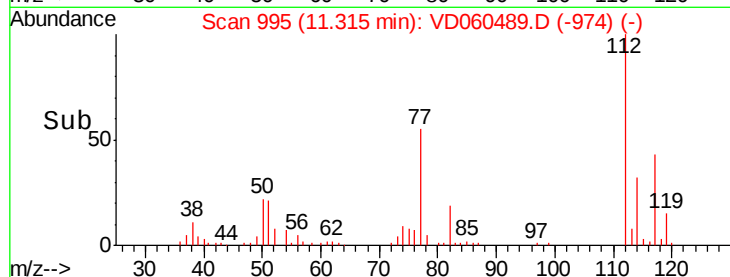
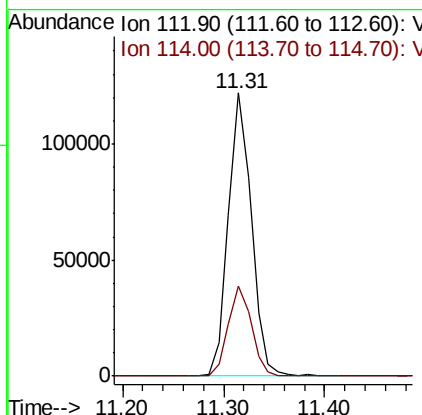
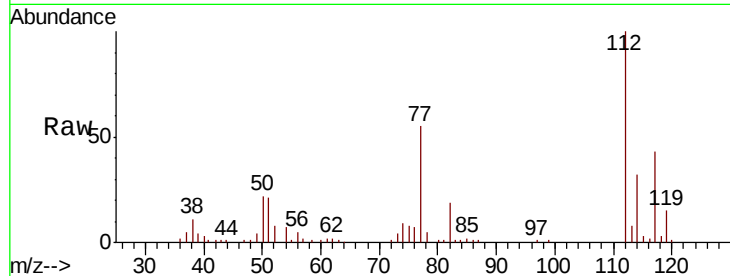
#65
Chlorobenzene
Concen: 5.091 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 194451
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

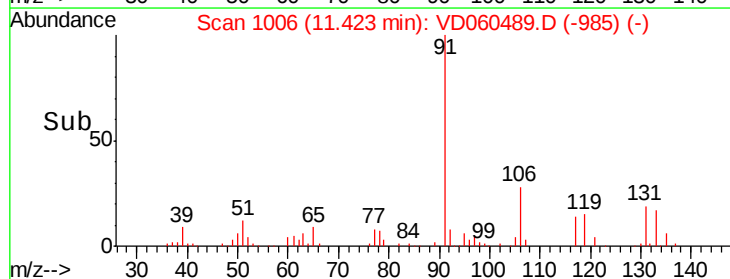
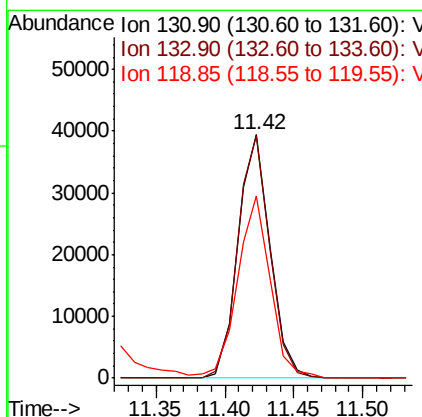
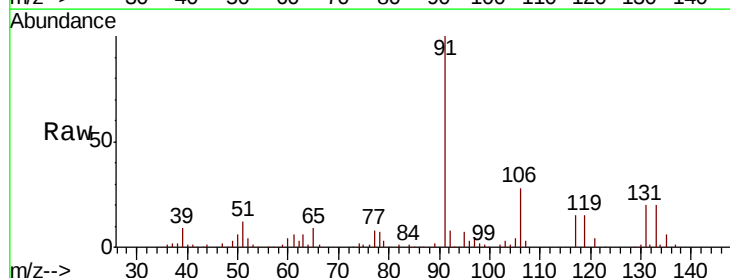
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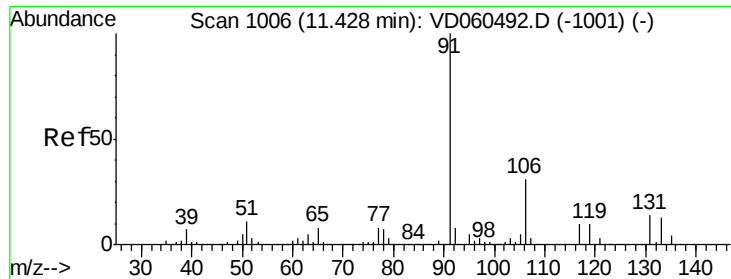
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.122 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion:131 Resp: 63981
Ion Ratio Lower Upper
131 100
133 99.8 49.1 147.3
119 74.8 37.5 112.3





#67

Ethyl Benzene

Concen: 5.567 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 365099

Ion Ratio Lower Upper

91 100

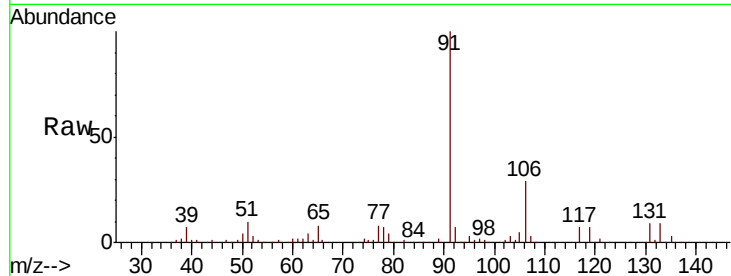
106 29.4 24.6 37.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC

300000

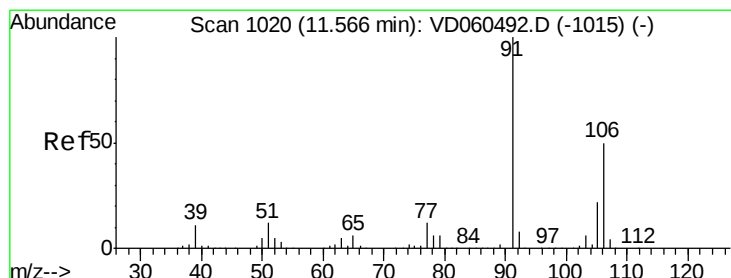
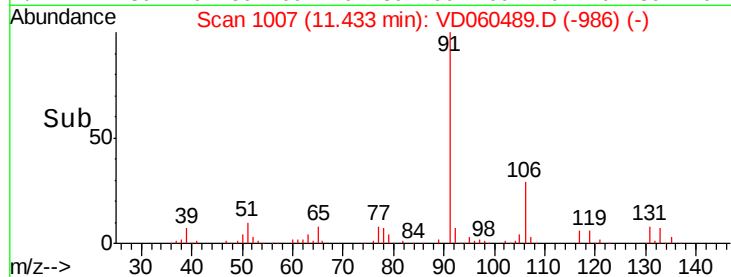
200000

100000

0

11.40 11.50

Time-->



#68

m/p-Xylenes

Concen: 11.111 ug/l

RT: 11.57 min Scan# 1021

Delta R.T. 0.00 min

Lab File: VD060489.D

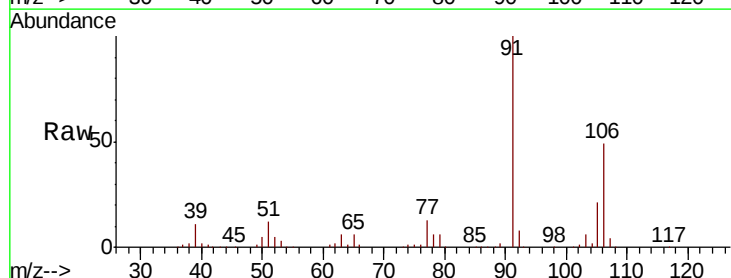
Acq: 5 Dec 2018 13:00

Tgt Ion: 106 Resp: 268113

Ion Ratio Lower Upper

106 100

91 204.4 160.5 240.7



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

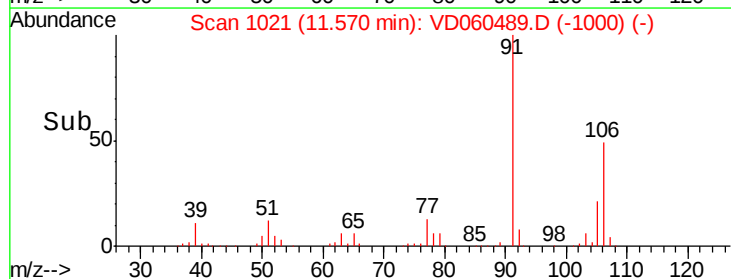
200000

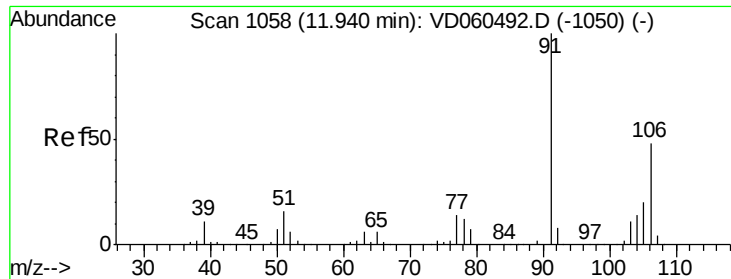
100000

0

11.50 11.60 11.70

Time-->





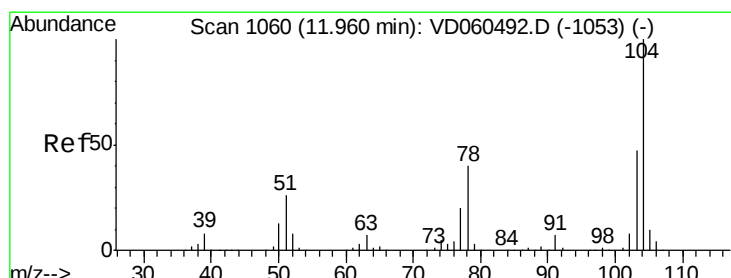
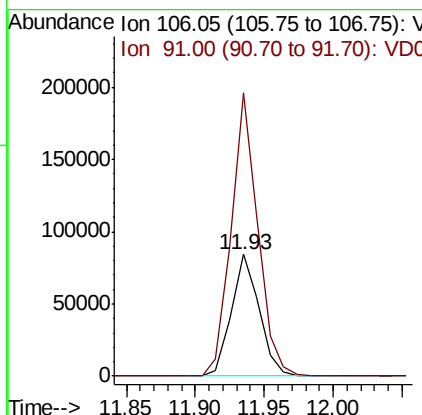
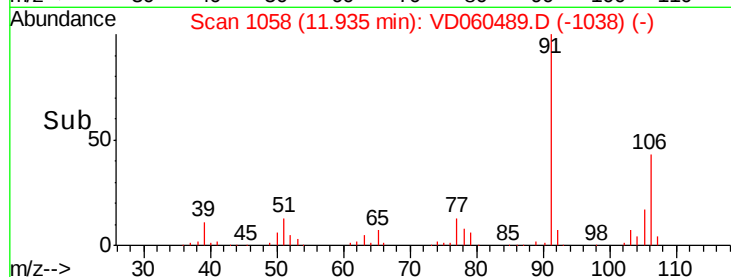
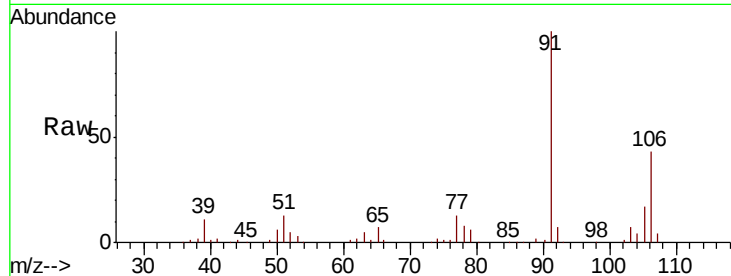
#69
o-Xylene
Concen: 5.083 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 118388
Ion Ratio Lower Upper
106 100
91 231.9 103.4 310.1

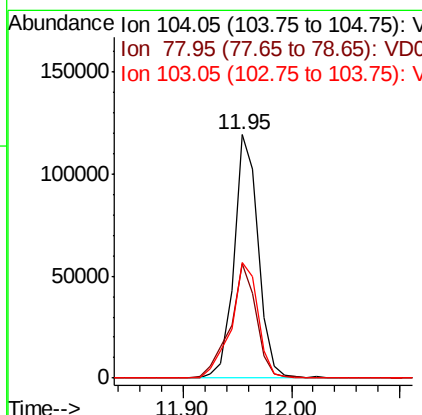
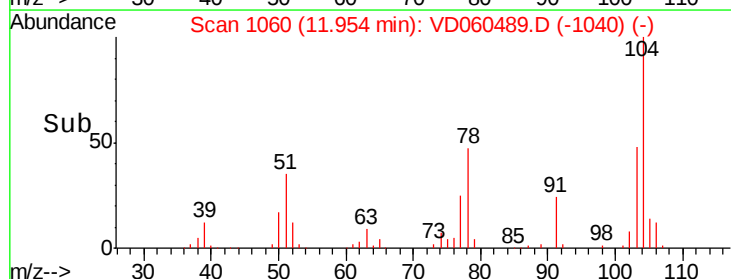
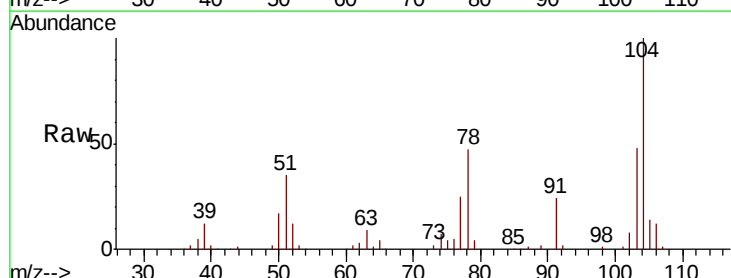
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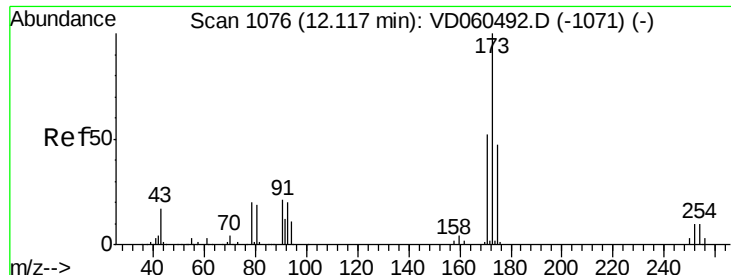
apatel
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#70
Styrene
Concen: 4.878 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion:104 Resp: 184541
Ion Ratio Lower Upper
104 100
78 46.8 32.1 48.1
103 47.5 37.2 55.8





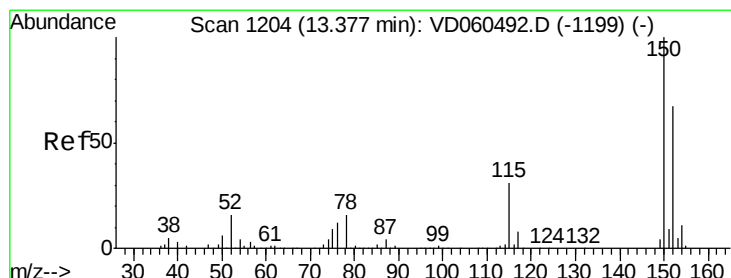
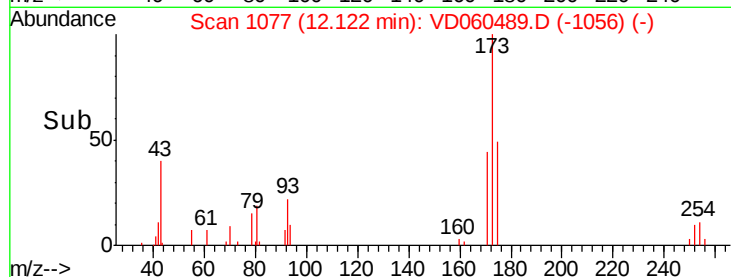
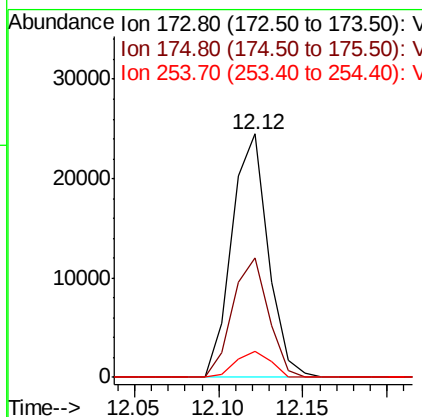
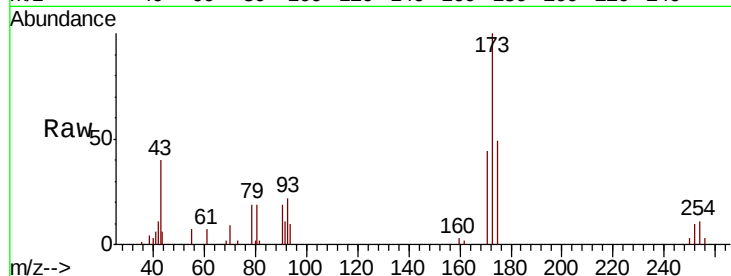
#71
Bromoform
Concen: 4.346 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.5	70.6
254	10.7	7.8	11.8

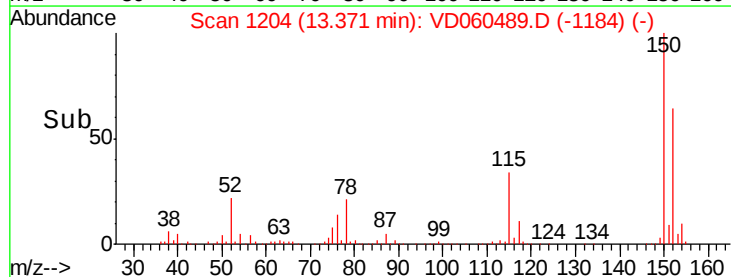
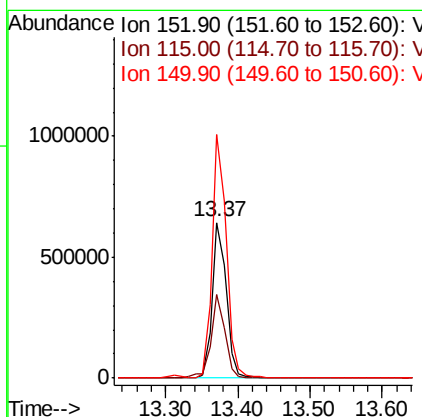
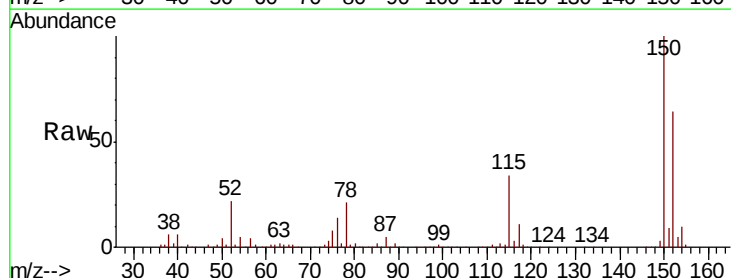
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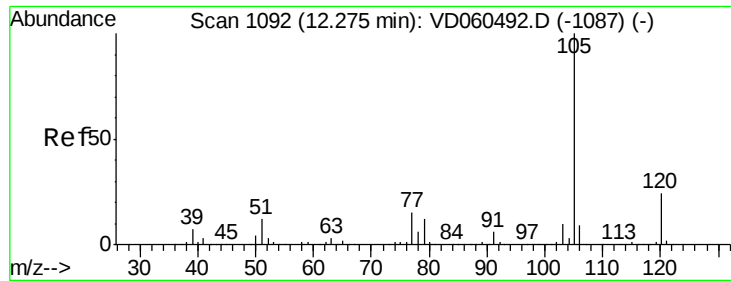
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	24.6	74.0
150	156.7	0.0	309.0





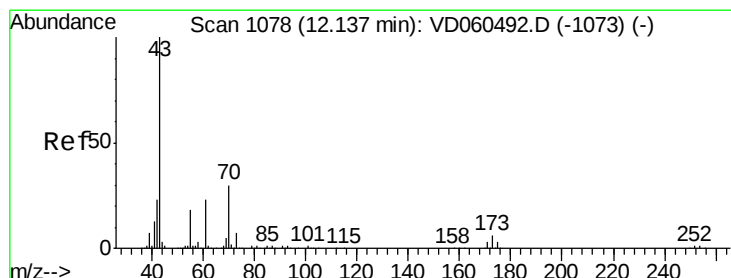
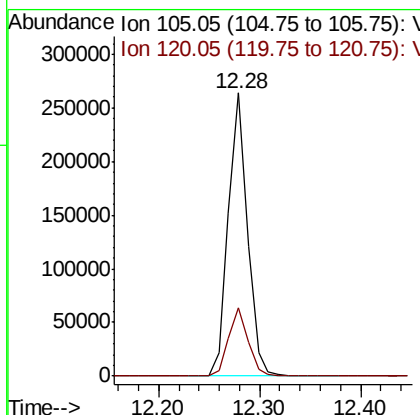
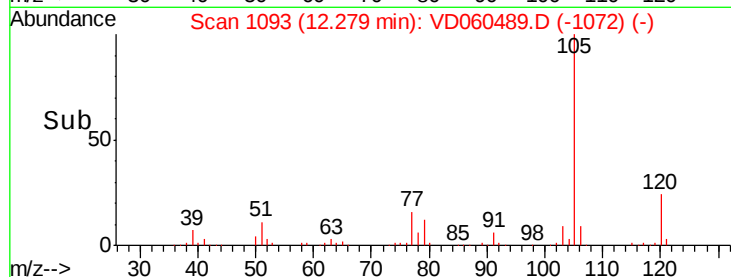
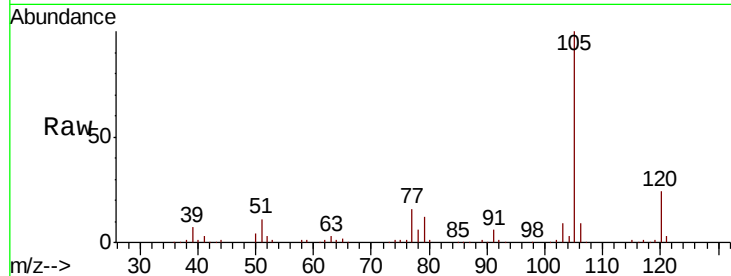
#73
Isopropylbenzene
Concen: 5.524 ug/l
RT: 12.28 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 105 Resp: 347104
Ion Ratio Lower Upper
105 100
120 24.2 11.9 35.9

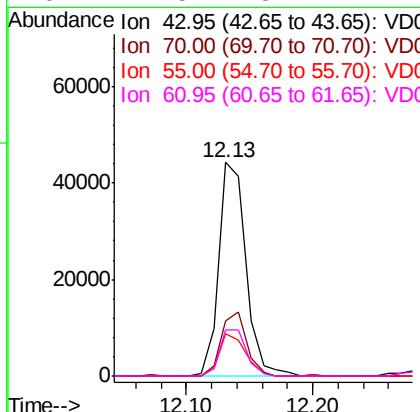
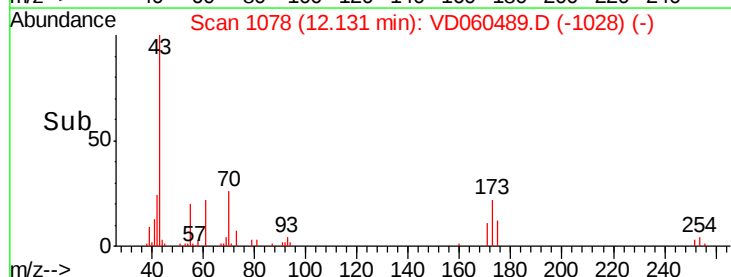
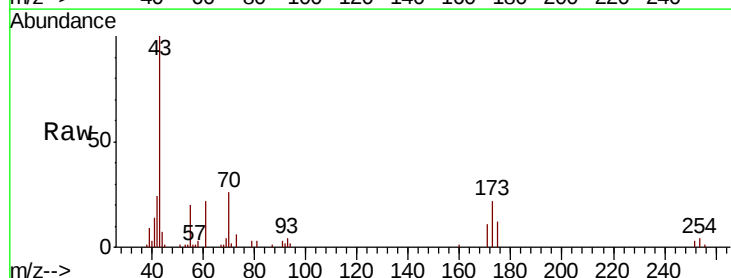
Manual Integrations
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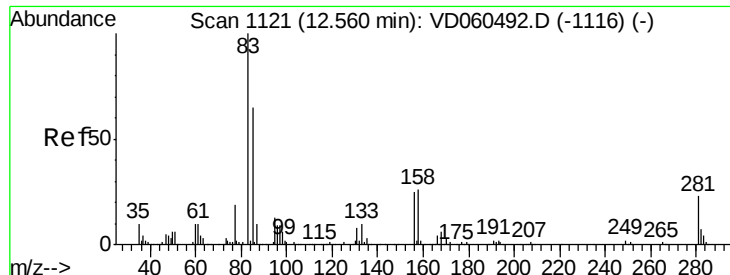
apatel
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#74
N-ethyl acetate
Concen: 4.116 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion: 43 Resp: 65928
Ion Ratio Lower Upper
43 100
70 25.7 23.8 35.8
55 19.7 14.2 21.2
61 21.5 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 5.123 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 52102

Ion Ratio Lower Upper

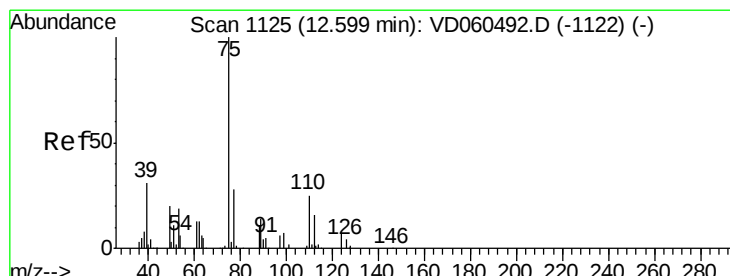
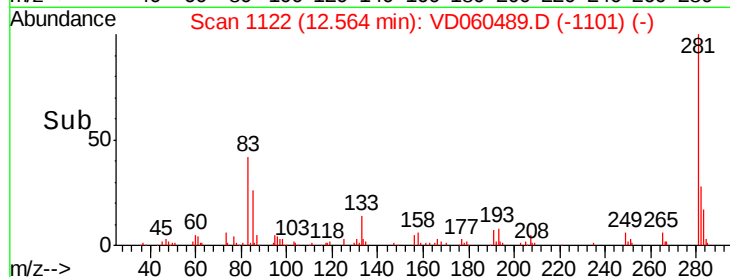
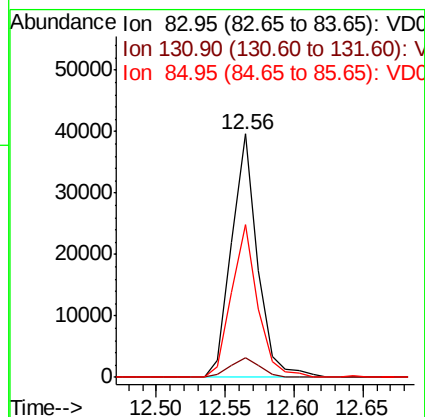
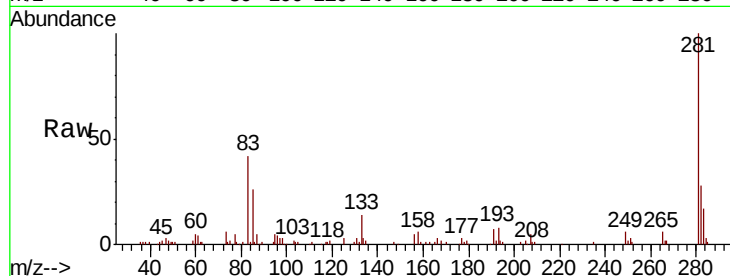
83 100

131 8.1 3.8 11.4

85 62.8 32.3 96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.857 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060489.D

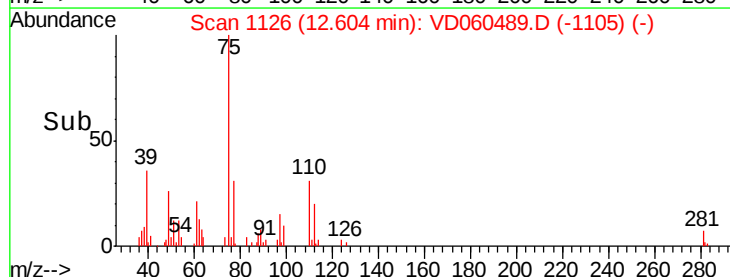
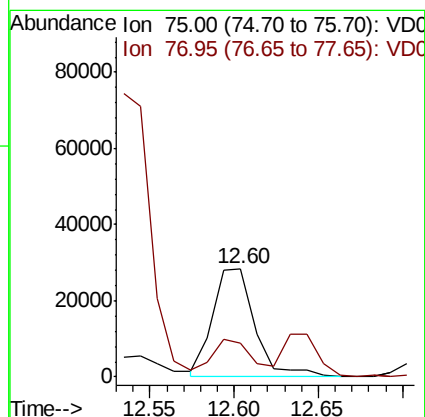
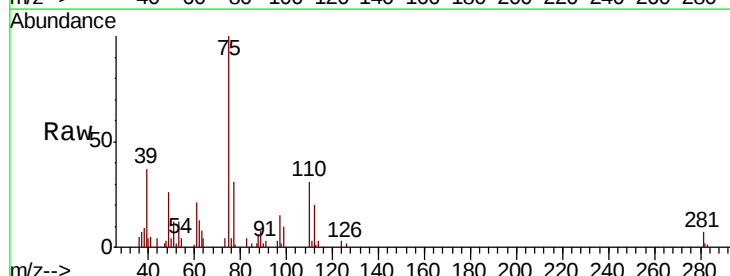
Acq: 5 Dec 2018 13:00

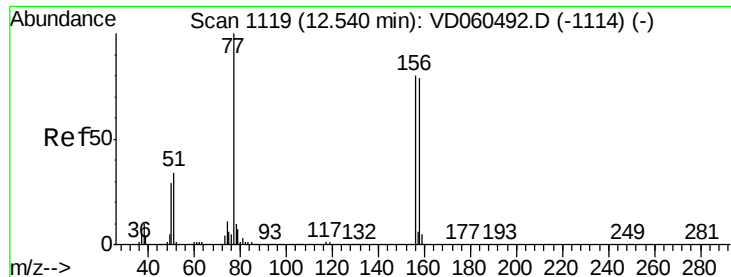
Tgt Ion: 75 Resp: 49731

Ion Ratio Lower Upper

75 100

77 31.0 16.4 49.4





#77

Bromobenzene

Concen: 5.280 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

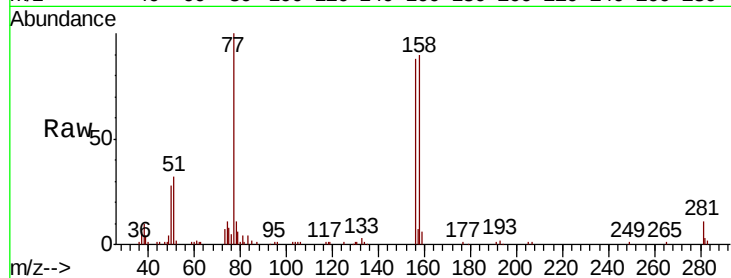
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
156	100		
77	113.1	62.5	187.6
158	101.8	49.4	148.2

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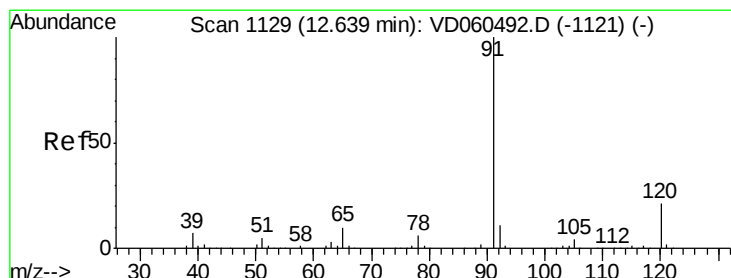
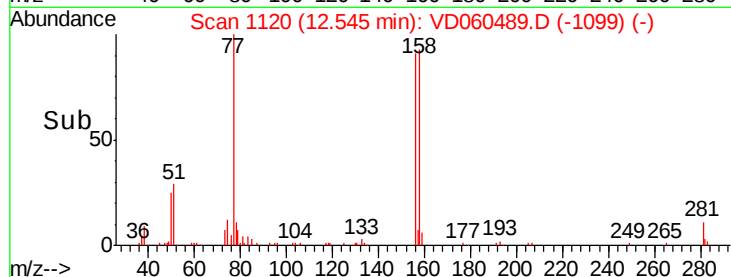
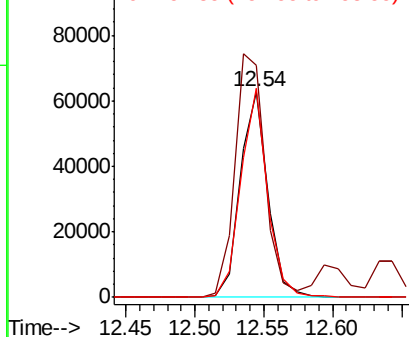
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.942 ug/l

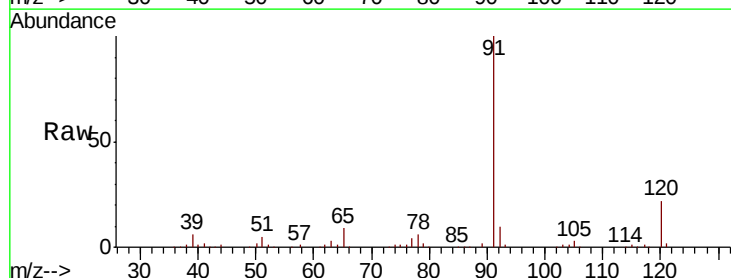
RT: 12.64 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060489.D

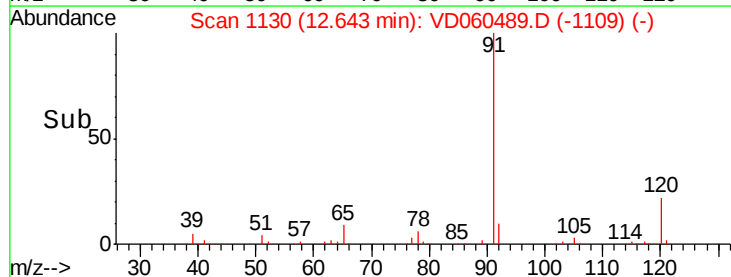
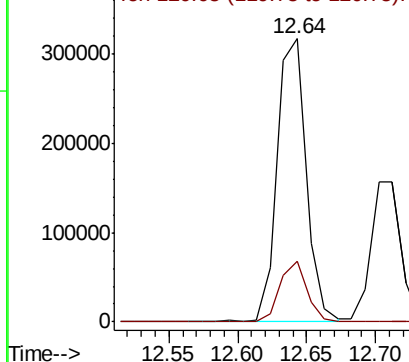
Acq: 5 Dec 2018 13:00

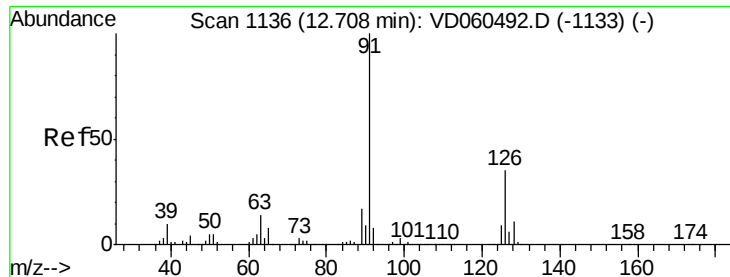
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.4	31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 5.598 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060489.D

Acq: 5 Dec 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 240123

Ion Ratio Lower Upper

91 100

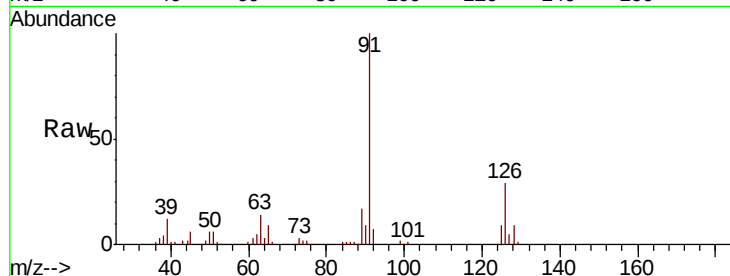
126 29.3 17.3 52.0

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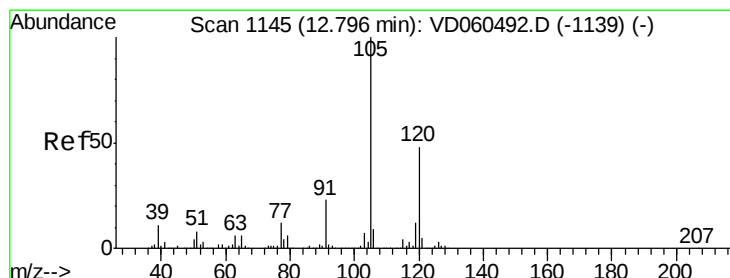
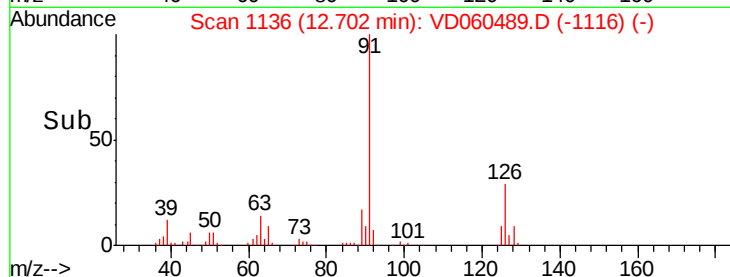
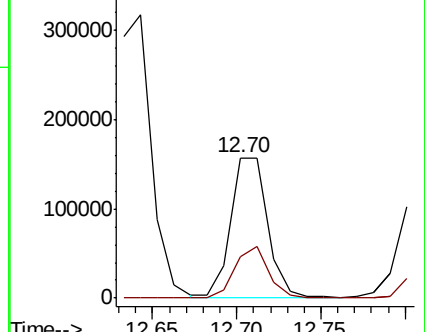
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 5.698 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060489.D

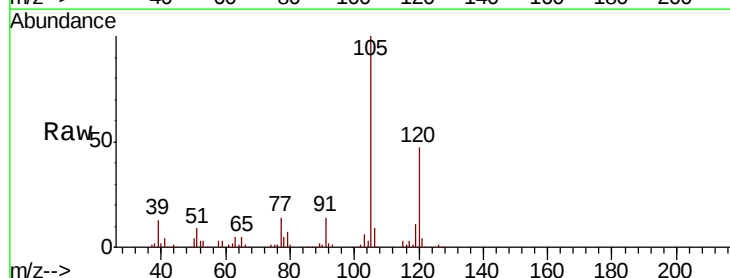
Acq: 5 Dec 2018 13:00

Tgt Ion: 105 Resp: 275961

Ion Ratio Lower Upper

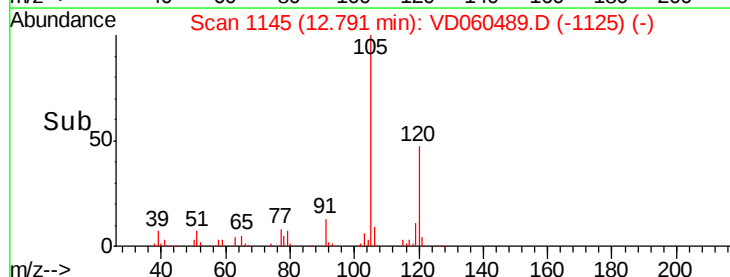
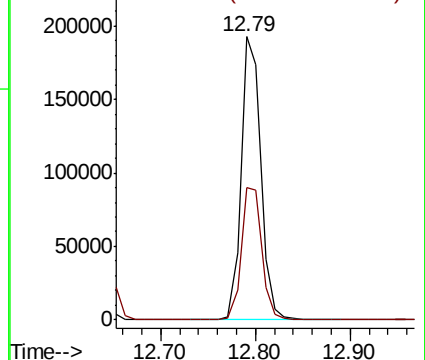
105 100

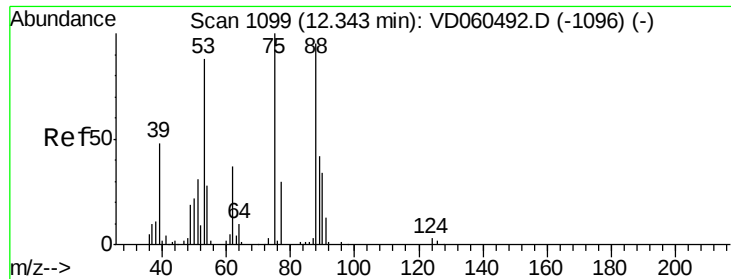
120 46.8 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





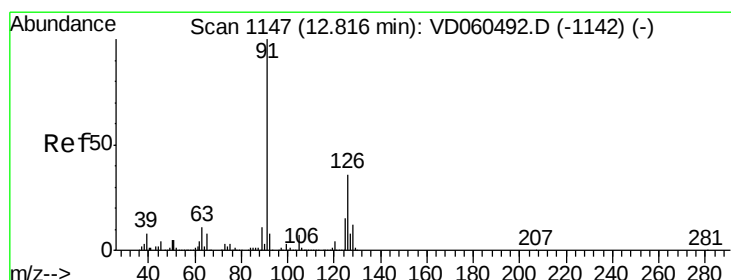
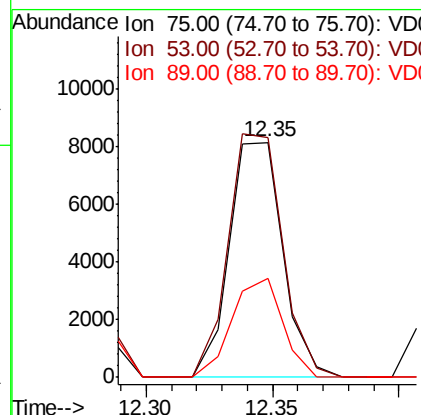
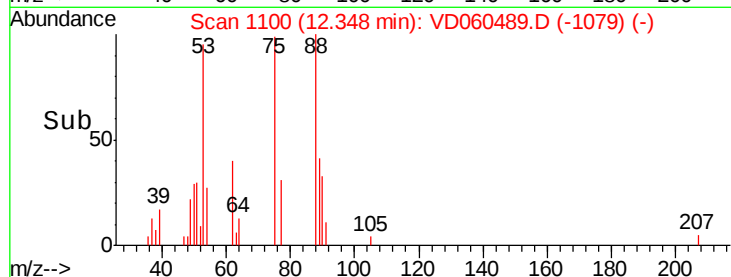
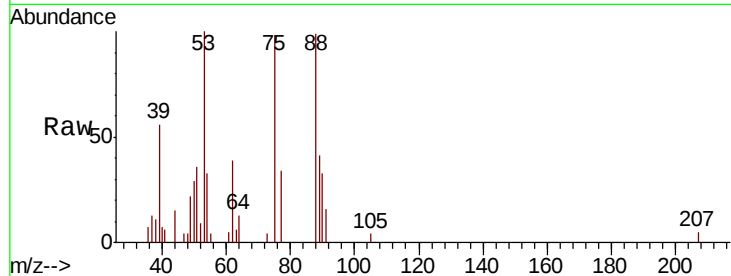
#81
trans-1,4-Dichloro-2-butene
Concen: 4.128 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 12040
Ion Ratio Lower Upper
75 100
53 102.0 70.5 105.7
89 41.9 33.6 50.4

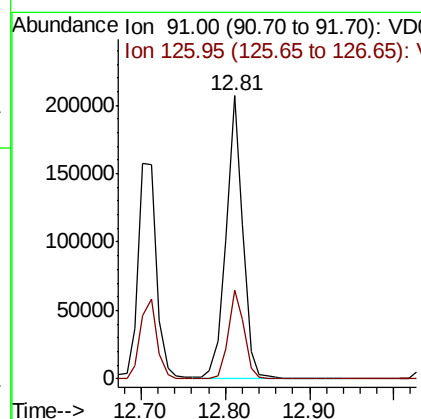
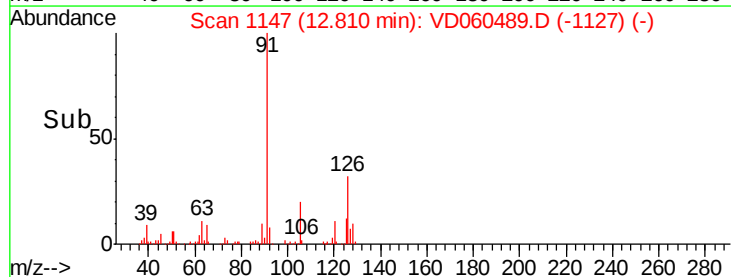
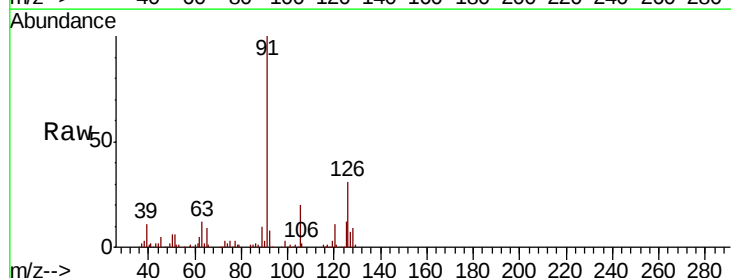
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#82
4-Chlorotoluene
Concen: 5.983 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. -0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion: 91 Resp: 287239
Ion Ratio Lower Upper
91 100
126 31.4 17.8 53.4





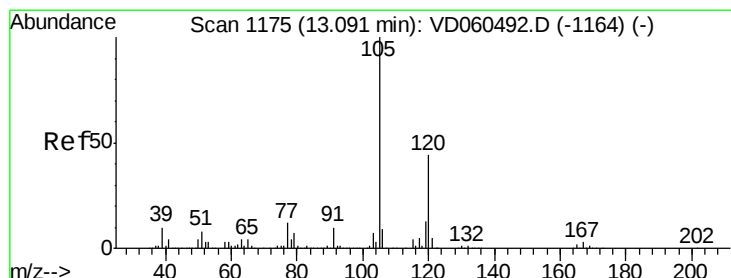
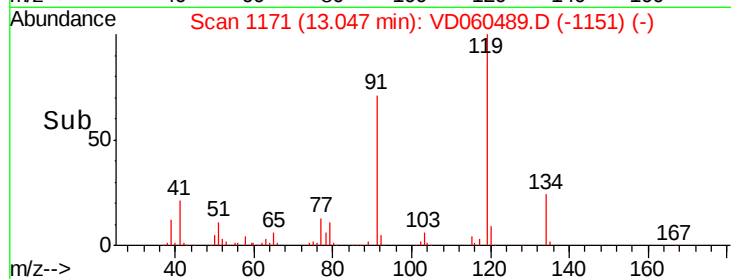
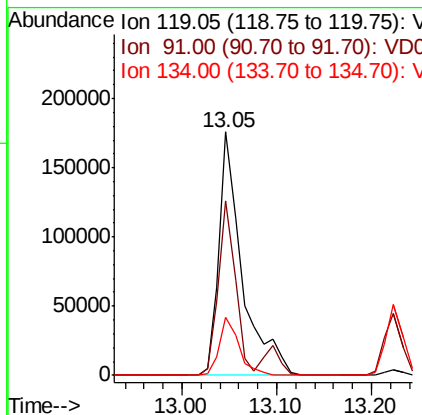
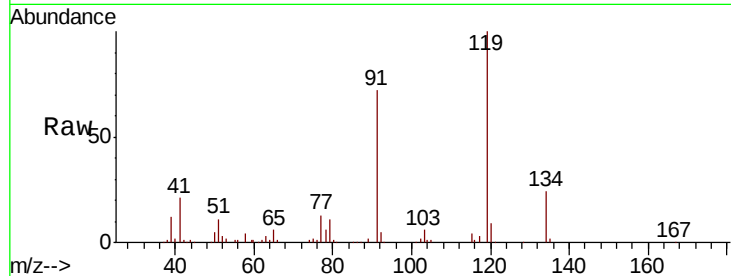
#83
 tert-Butylbenzene
 Concen: 5.538 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	298587		
91	71.7	33.1	99.2	
134	23.7	12.0	36.0	

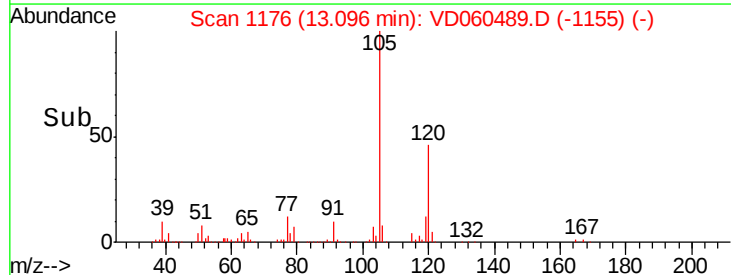
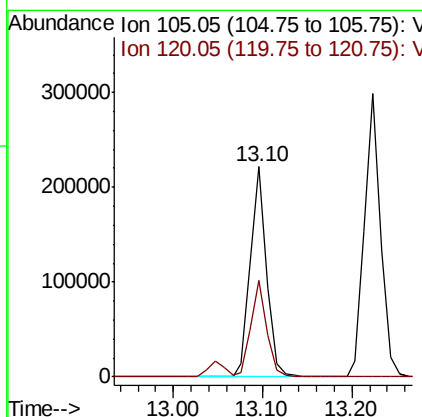
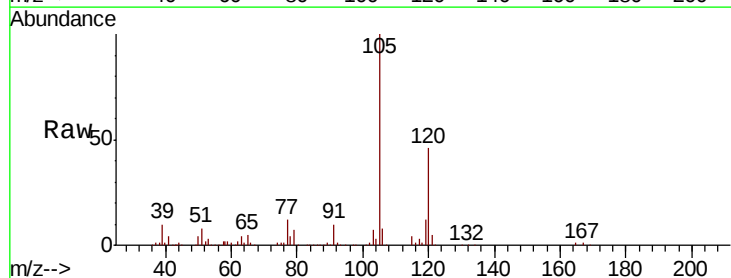
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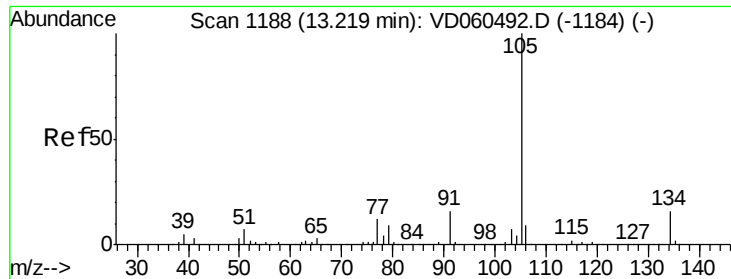
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.716 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	277372		
120	45.6	22.3	66.8	





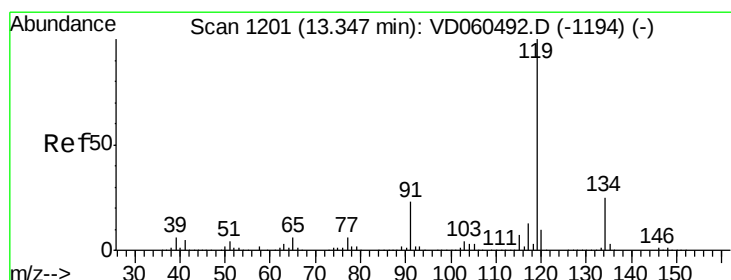
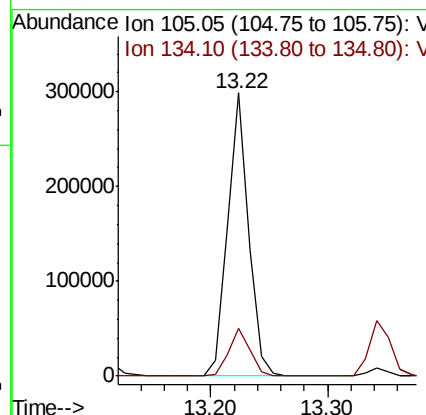
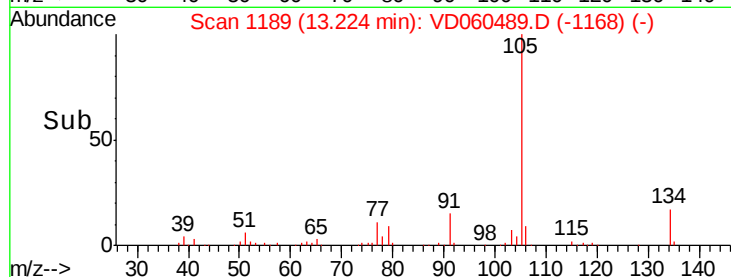
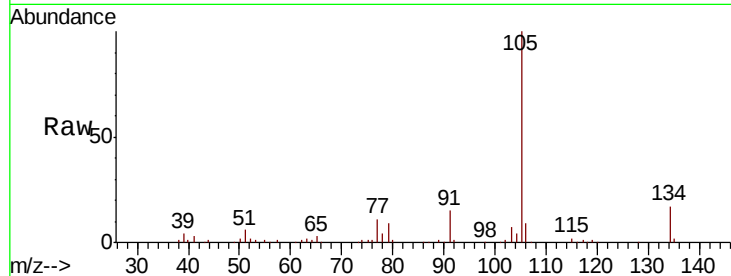
#85
 sec-Butylbenzene
 Concen: 5.674 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 373545
 Ion Ratio Lower Upper
 105 100
 134 17.1 7.9 23.7

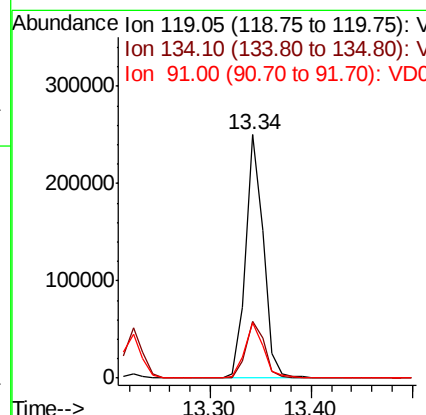
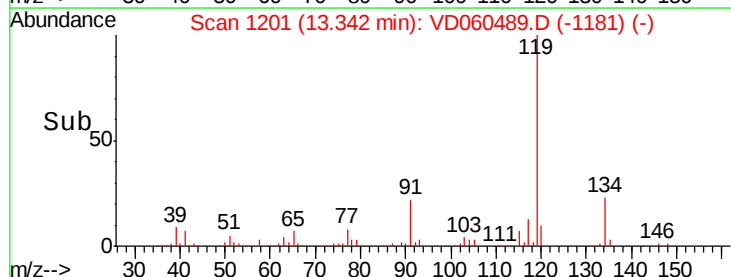
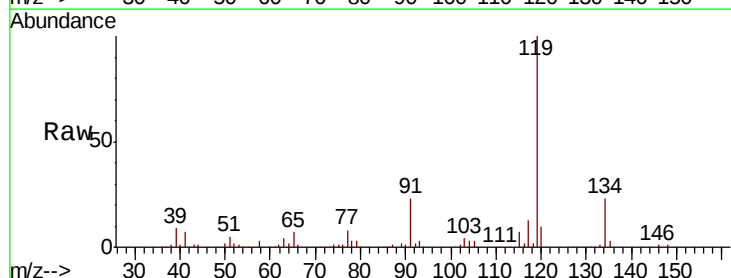
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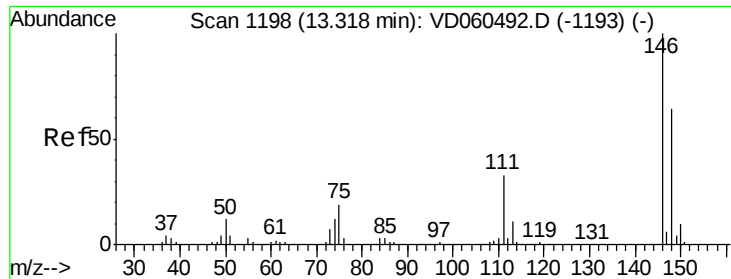
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#86
 p-Isopropyltoluene
 Concen: 5.750 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Tgt Ion:119 Resp: 304370
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.5 37.5
 91 22.5 11.5 34.4





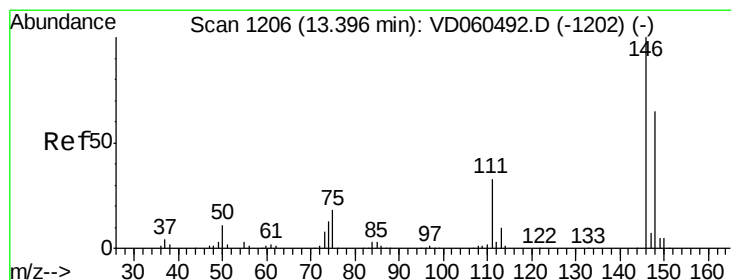
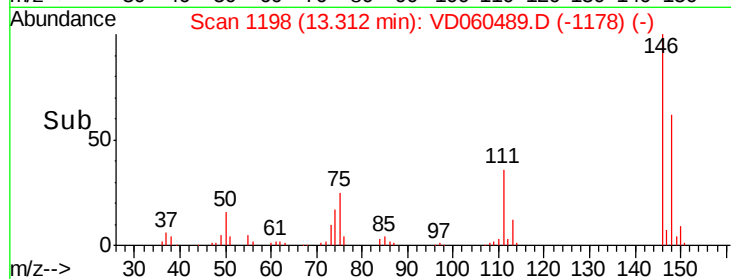
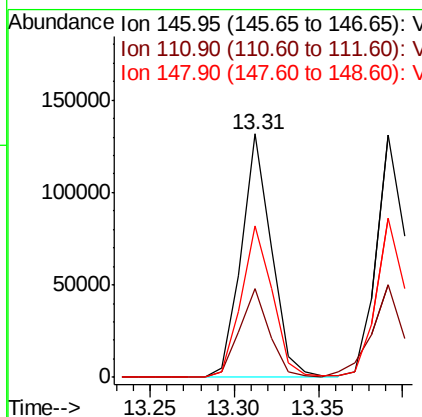
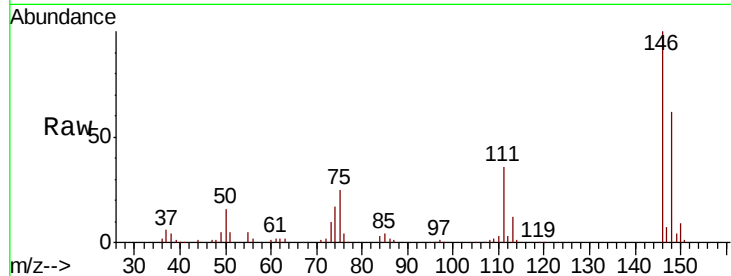
#87
 1,3-Dichlorobenzene
 Concen: 5.539 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	16.5	49.5
148	62.4	32.3	96.8

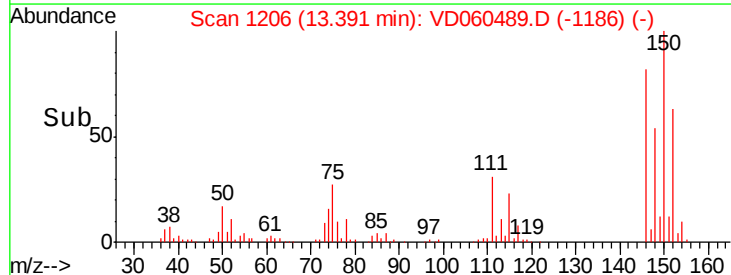
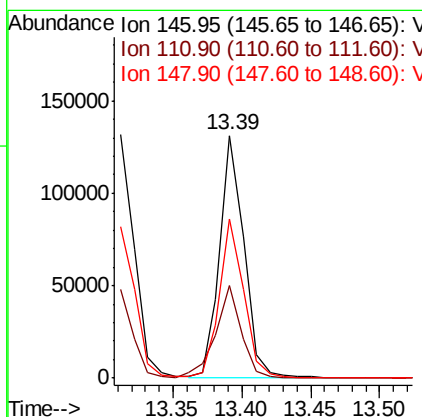
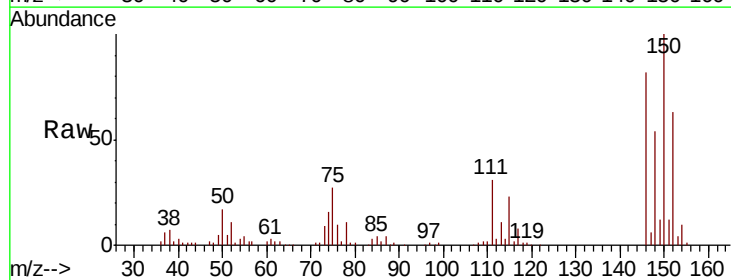
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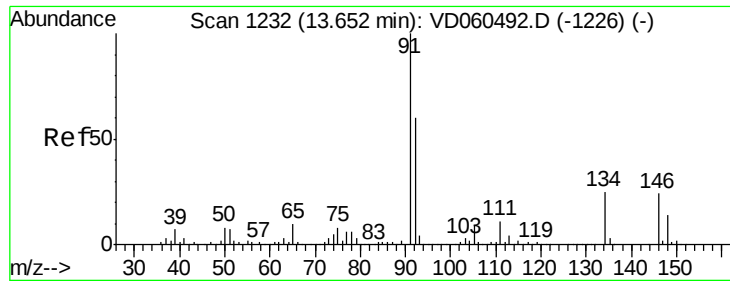
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#88
 1,4-Dichlorobenzene
 Concen: 5.589 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	16.4	49.1
148	65.7	32.6	98.0





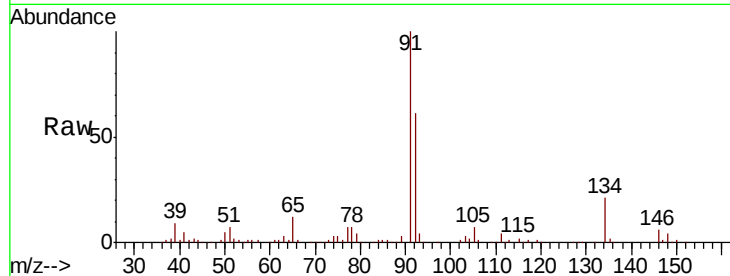
#89
n-Butylbenzene
Concen: 6.015 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

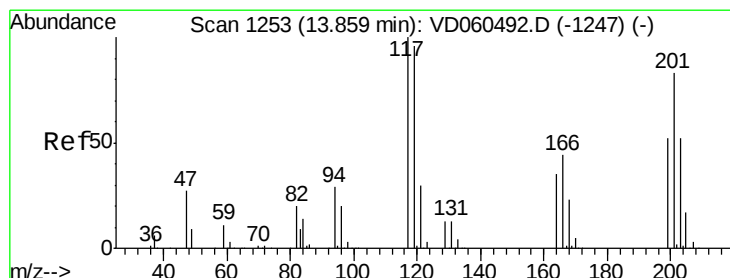
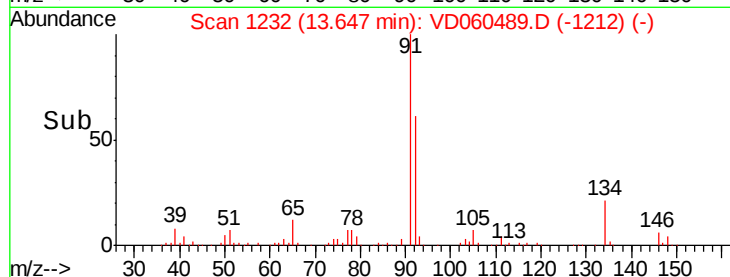
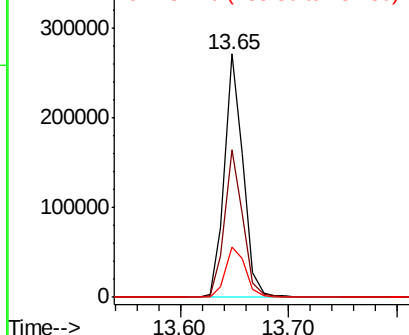
Tgt Ion: 91 Resp: 325827
Ion Ratio Lower Upper
91 100
92 60.6 30.0 90.1
134 20.5 12.5 37.5

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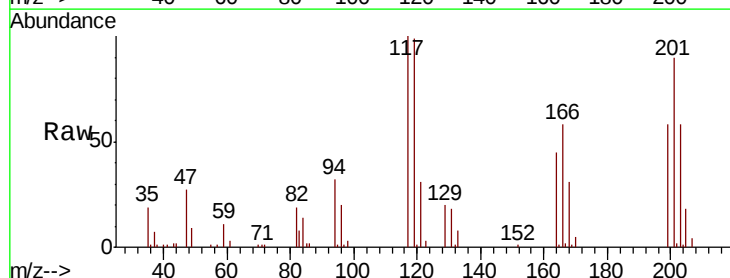


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

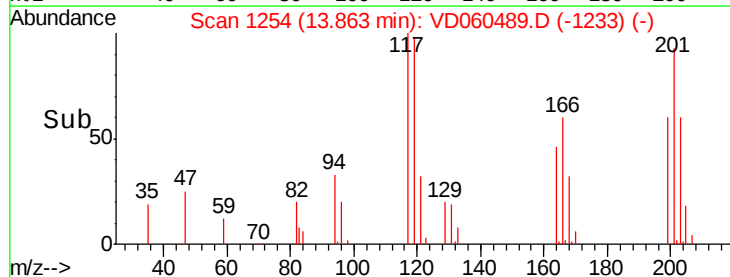
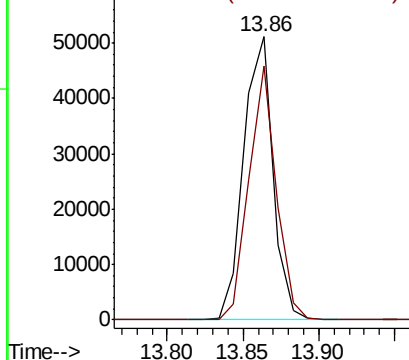


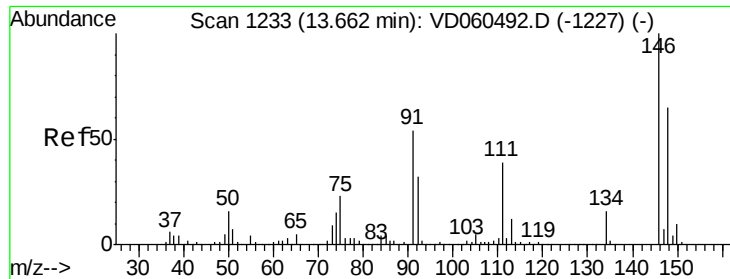
#90
Hexachloroethane
Concen: 5.411 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion: 117 Resp: 68911
Ion Ratio Lower Upper
117 100
201 89.6 41.3 123.9



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





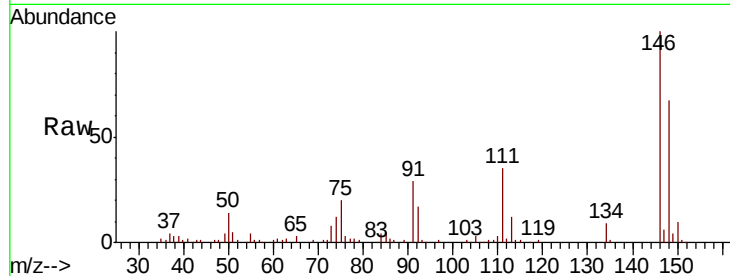
#91
 1,2-Dichlorobenzene
 Concen: 5.760 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	19.3	57.8
148	66.6	32.3	96.8

Manual Integrations
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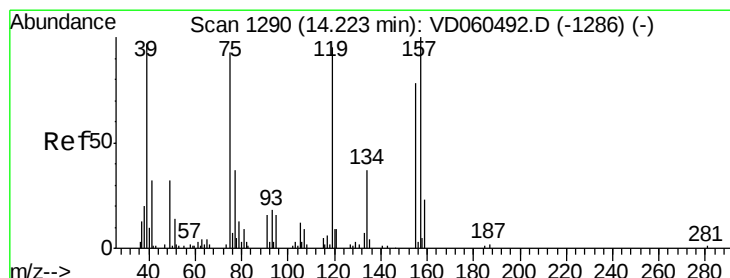
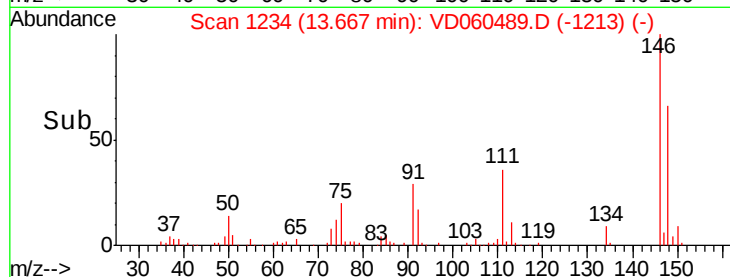
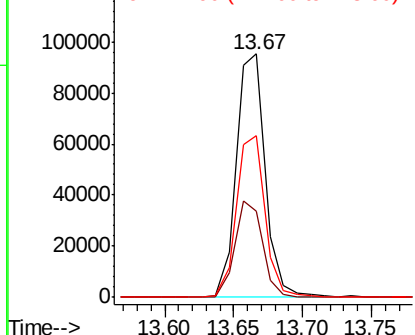


Abundance

Ion 145.95 (145.65 to 146.65): V

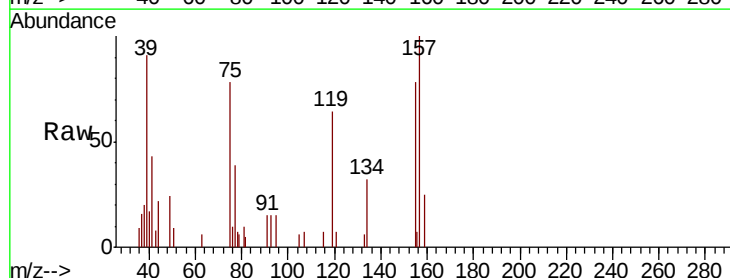
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.496 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	41.6	124.9
157	128.6	53.6	160.8

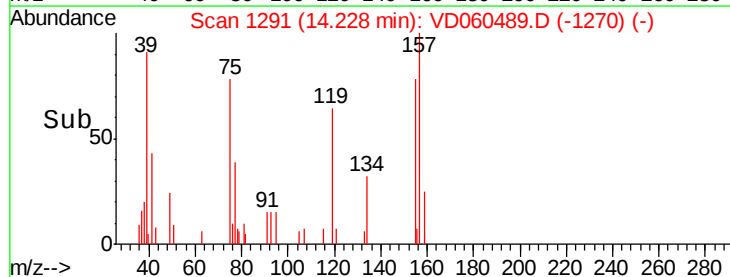
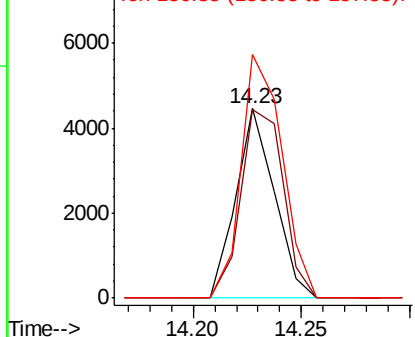


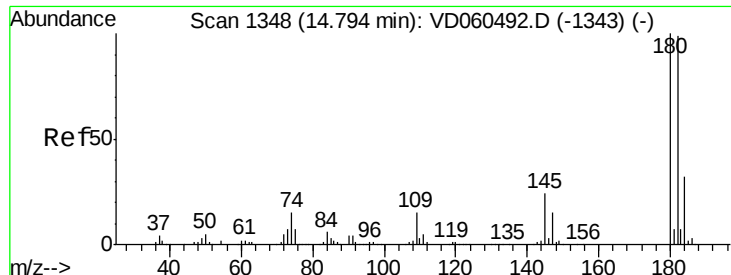
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





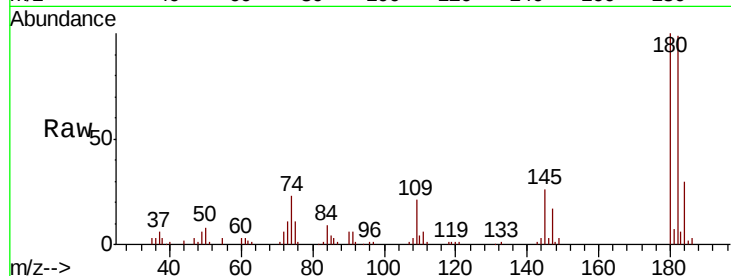
#93
 1,2,4-Trichlorobenzene
 Concen: 5.341 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

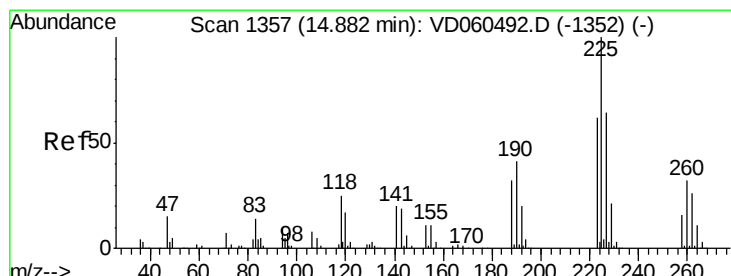
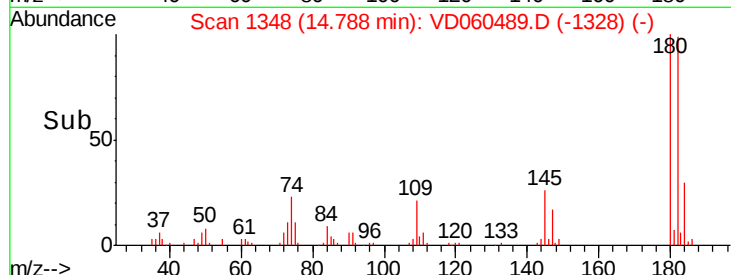
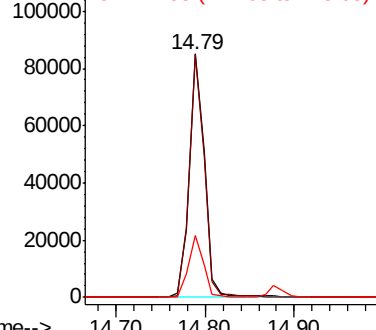
Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.4	49.4	148.0
145	25.6	11.9	35.9

Manual Integrations
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 12/6/2018 10:48:53 AM

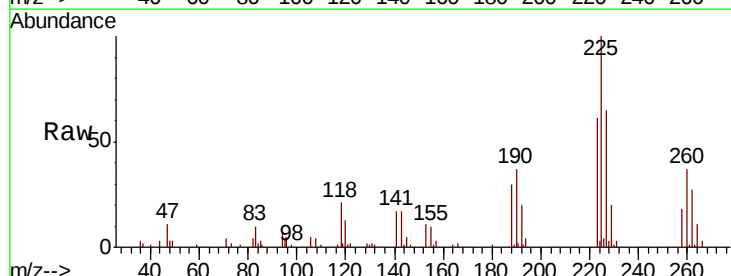


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

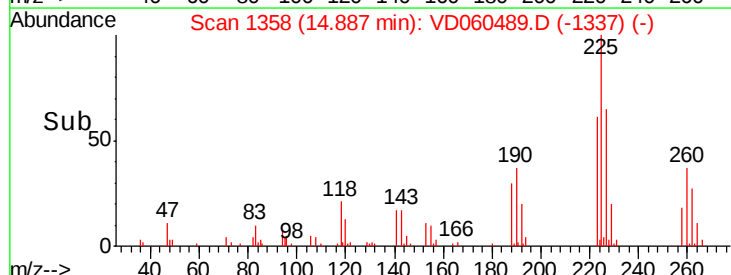
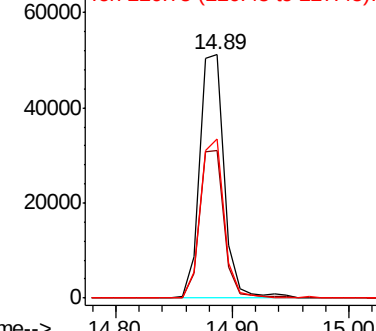


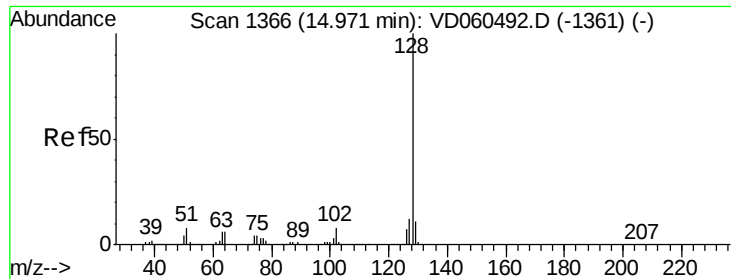
#94
 Hexachlorobutadiene
 Concen: 5.241 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060489.D
 Acq: 5 Dec 2018 13:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.2	93.6
227	65.2	32.0	96.0



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





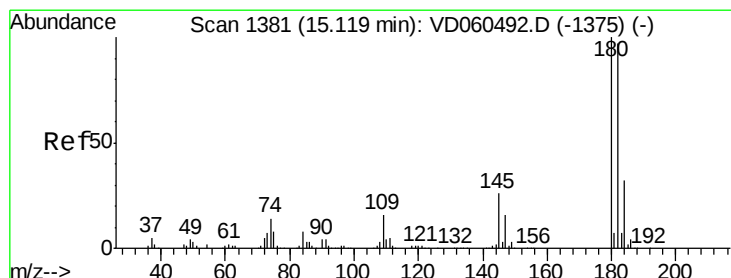
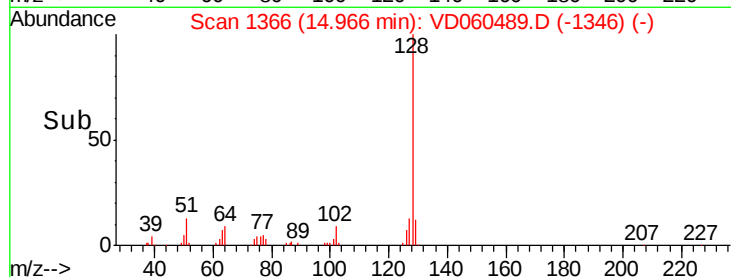
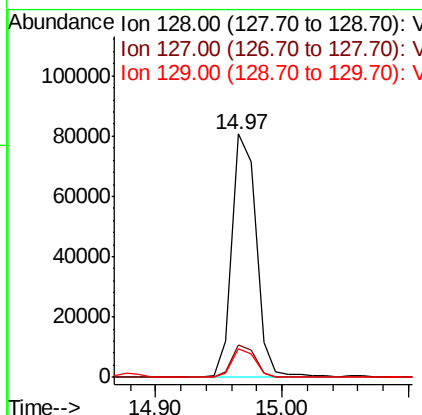
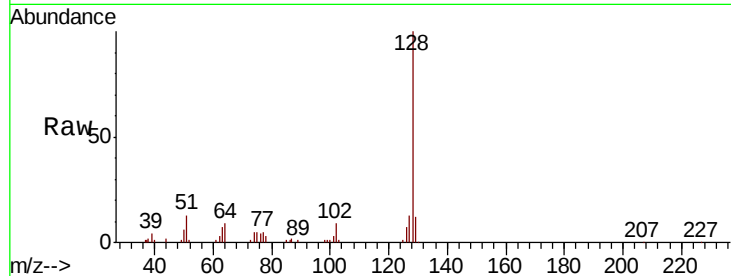
#95
Naphthalene
Concen: 4.558 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	9.8	14.8
129	11.5	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 5.281 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060489.D
Acq: 5 Dec 2018 13:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.5	145.5
145	29.6	12.9	38.7

