

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122718\
 Data File : VD060720.D
 Acq On : 27 Dec 2018 11:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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apatel
 12/28/2018 9:47:02 AM

Quant Time: Dec 28 08:19:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1517063	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	2149563	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1678243	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	879963	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	582056	55.52	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	111.04%	
35) Dibromofluoromethane	6.29	113	883143	56.13	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	112.26%	
50) Toluene-d8	9.42	98	2541033	54.13	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	108.26%	
62) 4-Bromofluorobenzene	12.40	95	906632	55.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	1095494	56.515	ug/l	100
3) Chloromethane	1.76	50	936259	52.482	ug/l	97
4) Vinyl Chloride	1.85	62	777639	54.904	ug/l	100
5) Bromomethane	2.15	94	192903	60.801	ug/l	94
6) Chloroethane	2.26	64	249106	58.934	ug/l	98
7) Trichlorofluoromethane	2.50	101	869955	55.221	ug/l	100
8) Diethyl Ether	2.82	74	137830	52.293	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.07	101	544160	53.250	ug/l	99
10) Methyl Iodide	3.23	142	626864	58.369	ug/l	97
11) Tert butyl alcohol	3.94	59	121043	276.260	ug/l #	93
12) 1,1-Dichloroethene	3.05	96	443823	52.858	ug/l	99
13) Acrolein	2.97	56	133354	298.669	ug/l	94
14) Allyl chloride	3.52	41	839454	54.485	ug/l	98
15) Acrylonitrile	4.06	53	701060	275.603	ug/l	98
16) Acetone	3.14	43	512341	279.833	ug/l	97
17) Carbon Disulfide	3.30	76	1418397	52.895	ug/l	100
18) Methyl Acetate	3.54	43	248577	54.783	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	1199642	56.315	ug/l	99
20) Methylene Chloride	3.69	84	877318	46.141	ug/l	99
21) trans-1,2-Dichloroethene	4.08	96	972984	56.583	ug/l	96
22) Diisopropyl ether	4.83	45	2959327	56.571	ug/l	99
23) Vinyl Acetate	4.78	43	7123425	281.464	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1561697	56.757	ug/l	100
25) 2-Butanone	5.59	43	986312	281.520	ug/l	99
26) 2,2-Dichloropropane	5.55	77	1272254	58.576	ug/l	99
27) cis-1,2-Dichloroethene	5.56	96	1016150	58.212	ug/l	97
28) Bromochloromethane	5.89	49	619774	53.318	ug/l	99
29) Tetrahydrofuran	5.92	42	534784	269.257	ug/l	99
30) Chloroform	6.07	83	1544259	55.776	ug/l	100
31) Cyclohexane	6.33	56	1384980	52.304	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	1326122	57.893	ug/l	100
36) 1,1-Dichloropropene	6.49	75	1191020	53.808	ug/l	100
37) Ethyl Acetate	5.66	43	509726	55.062	ug/l	96
38) Carbon Tetrachloride	6.47	117	1086858	55.658	ug/l	99

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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	8.00	83	1382180	54.751	ug/l	98
40) Benzene	6.76	78	3085161	53.960	ug/l	100
41) Methacrylonitrile	5.89	41	265330m	51.817	ug/l	
42) 1,2-Dichloroethane	6.86	62	774179	54.564	ug/l	99
43) Isopropyl Acetate	8.32	43	650632	54.769	ug/l	97
44) Trichloroethene	7.71	130	944931	55.839	ug/l	99
45) 1,2-Dichloropropane	8.06	63	760905	54.267	ug/l	99
46) Dibromomethane	8.18	93	440970	55.103	ug/l	100
47) Bromodichloromethane	8.46	83	1072113	56.563	ug/l	99
48) Methyl methacrylate	8.21	41	404033	55.997	ug/l	98
49) 1,4-Dioxane	8.20	88	75395	1123.838	ug/l #	91
51) 4-Methyl-2-Pentanone	9.31	43	2004634	275.425	ug/l	98
52) Toluene	9.52	92	1952716	54.480	ug/l	100
53) t-1,3-Dichloropropene	9.88	75	885862	56.021	ug/l	99
54) cis-1,3-Dichloropropene	9.07	75	1152824	55.698	ug/l	98
55) 1,1,2-Trichloroethane	10.15	97	527969	54.747	ug/l	99
56) Ethyl methacrylate	10.00	69	520579	58.117	ug/l	97
57) 1,3-Dichloropropane	10.36	76	840362	54.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.89	63	1343196	254.493	ug/l	98
59) 2-Hexanone	10.45	43	1421628	279.048	ug/l	97
60) Dibromochloromethane	10.61	129	713055	58.048	ug/l	98
61) 1,2-Dibromoethane	10.73	107	564003	56.384	ug/l	97
64) Tetrachloroethene	10.22	164	879846	57.843	ug/l	98
65) Chlorobenzene	11.29	112	2100975	56.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.39	131	690580	57.926	ug/l	98
67) Ethyl Benzene	11.41	91	3520276	55.437	ug/l	100
68) m/p-Xylenes	11.55	106	2607280	112.351	ug/l	99
69) o-Xylene	11.91	106	1263510	57.389	ug/l	93
70) Styrene	11.93	104	2033108	57.336	ug/l	98
71) Bromoform	12.10	173	482889	61.362	ug/l	98
73) Isopropylbenzene	12.26	105	3576189	57.080	ug/l	100
74) N-amyl acetate	12.12	43	866513	58.601	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.54	83	572823	56.407	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	571453	57.041	ug/l	100
77) Bromobenzene	12.52	156	950459	57.461	ug/l	94
78) n-propylbenzene	12.62	91	4412561	55.090	ug/l	99
79) 2-Chlorotoluene	12.69	91	2430391	56.652	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	2653097	54.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.32	75	168827	60.986	ug/l	96
82) 4-Chlorotoluene	12.79	91	2615258	53.784	ug/l	99
83) tert-Butylbenzene	13.03	119	3026655	54.972	ug/l	100
84) 1,2,4-Trimethylbenzene	13.07	105	2748356	55.157	ug/l	99
85) sec-Butylbenzene	13.20	105	3853172	57.385	ug/l	100
86) p-Isopropyltoluene	13.33	119	3039368	56.076	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	1671137	55.035	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	1660640	55.500	ug/l	99
89) n-Butylbenzene	13.63	91	2945087	53.172	ug/l	99
90) Hexachloroethane	13.84	117	795537	59.746	ug/l	96
91) 1,2-Dichlorobenzene	13.64	146	1272110	52.226	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.21	75	72140	60.467	ug/l #	45

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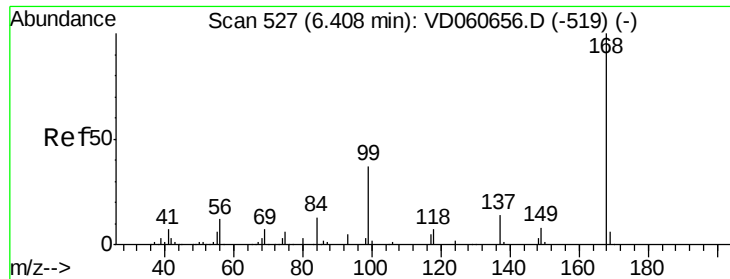
Manual Integrations
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12/28/2018 9:47:02 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	1086763	56.071	ug/l	99
94) Hexachlorobutadiene	14.86	225	805695	56.239	ug/l	98
95) Naphthalene	14.95	128	1320287	57.314	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	864294	57.044	ug/l	100

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



#1

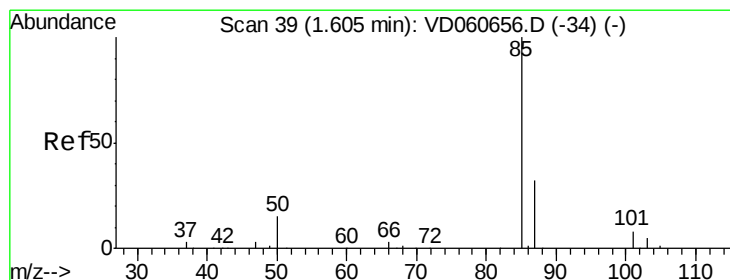
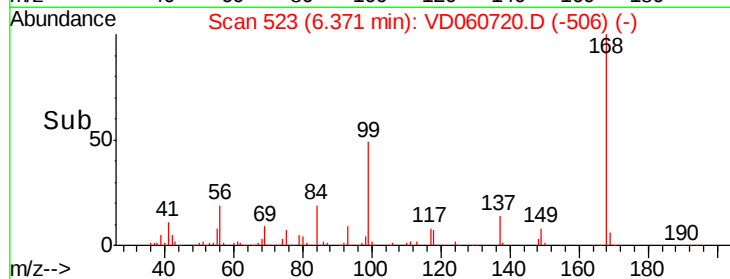
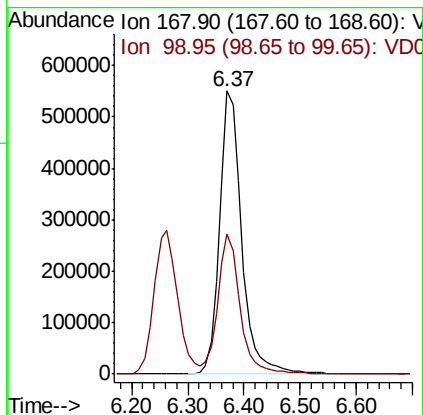
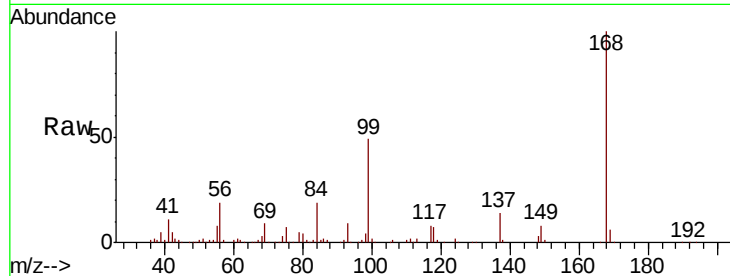
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.37 min Scan# 523
 Delta R.T. -0.04 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:168 Resp: 1517063
 Ion Ratio Lower Upper
 168 100
 99 49.3 38.7 58.1

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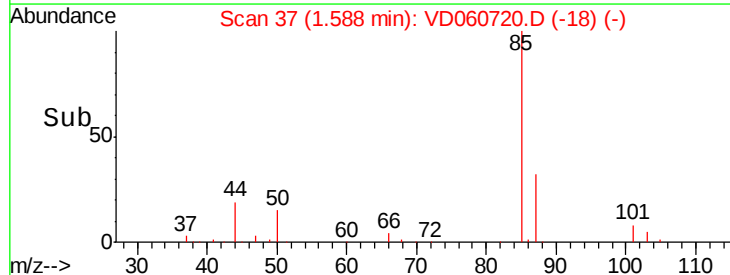
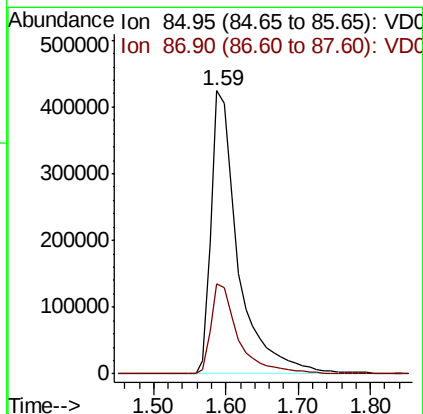
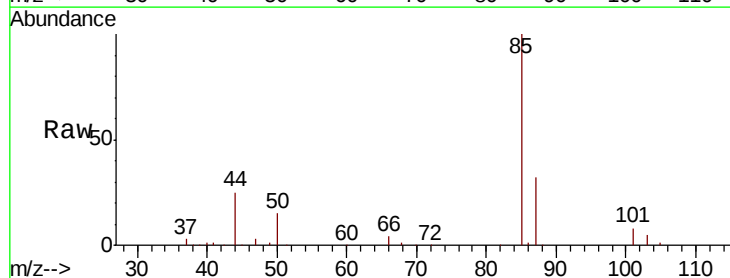
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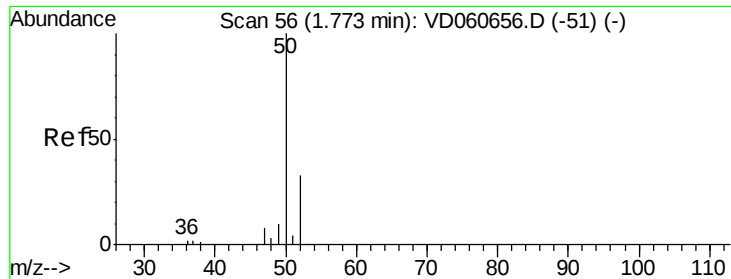


#2

Dichlorodifluoromethane
 Concen: 56.515 ug/l
 RT: 1.59 min Scan# 37
 Delta R.T. -0.02 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion: 85 Resp: 1095494
 Ion Ratio Lower Upper
 85 100
 87 32.1 16.0 47.9





#3

Chloromethane

Concen: 52.482 ug/l

RT: 1.76 min Scan# 54

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 936259

Ion Ratio Lower Upper

50 100

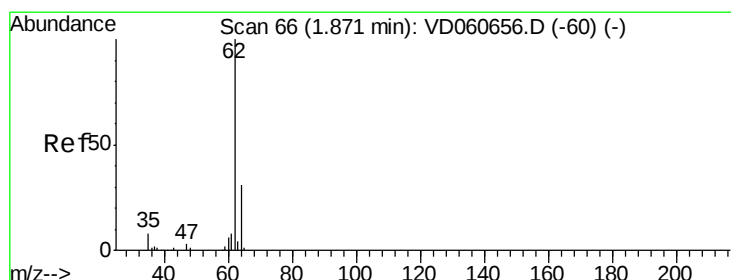
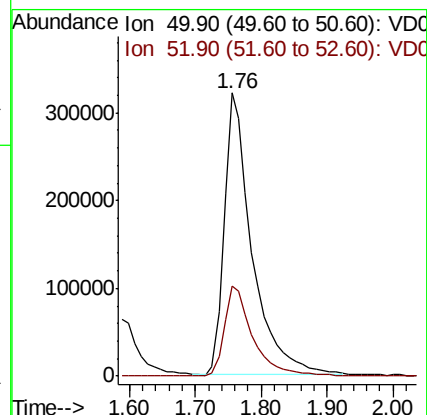
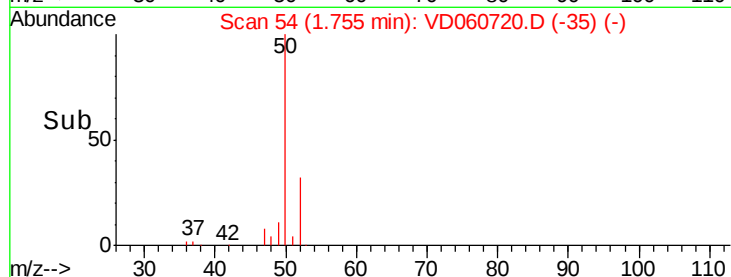
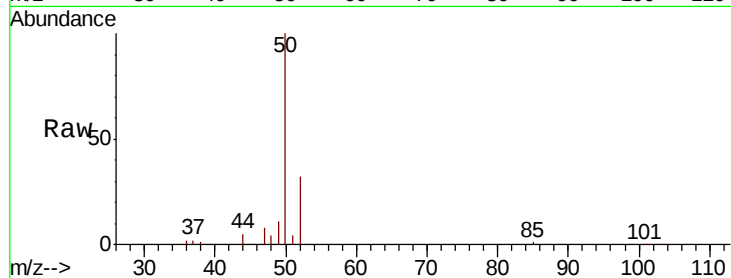
52 31.7 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.904 ug/l

RT: 1.85 min Scan# 64

Delta R.T. -0.02 min

Lab File: VD060720.D

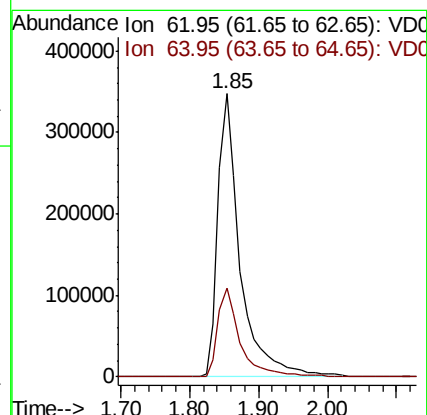
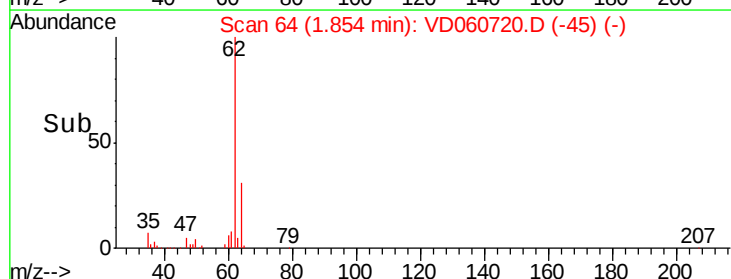
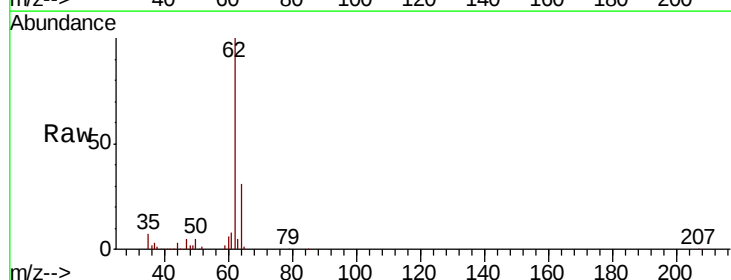
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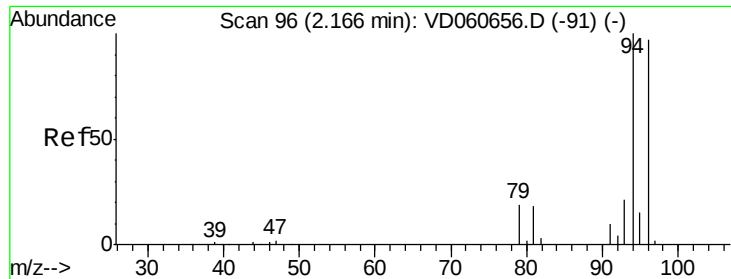
Tgt Ion: 62 Resp: 777639

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.6





#5

Bromomethane

Concen: 60.801 ug/l

RT: 2.15 min Scan# 94

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 192903

Ion Ratio Lower Upper

94 100

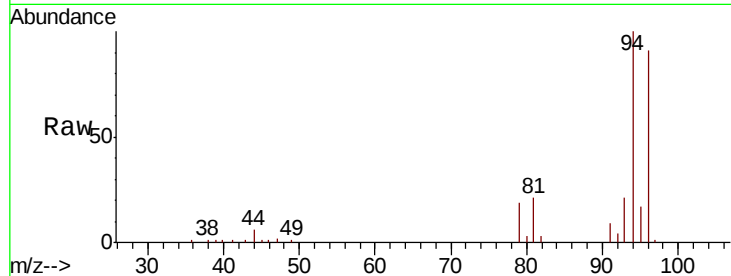
96 90.6 77.2 115.8

Manual Integrations

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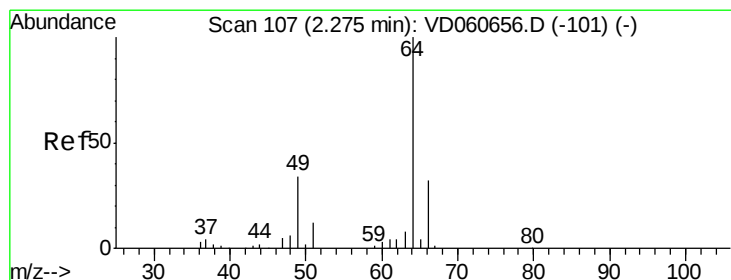
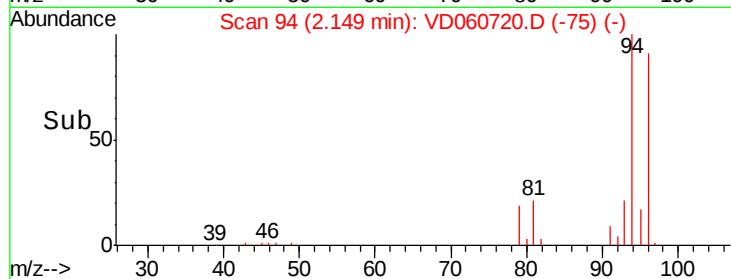
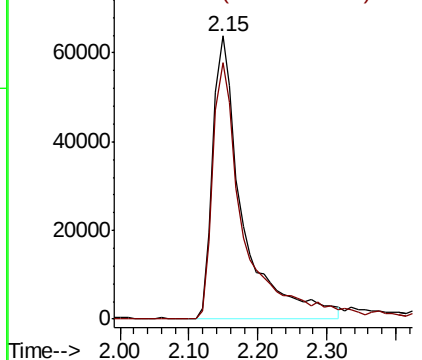
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 58.934 ug/l

RT: 2.26 min Scan# 105

Delta R.T. -0.02 min

Lab File: VD060720.D

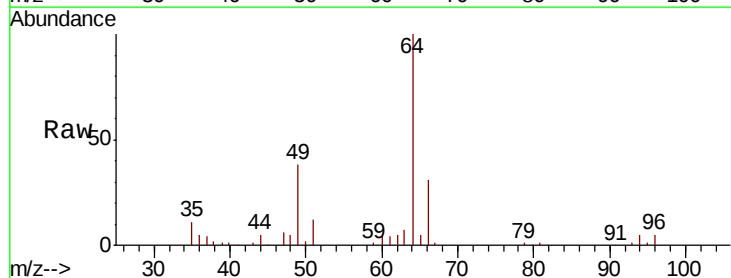
Acq: 27 Dec 2018 11:53

Tgt Ion: 64 Resp: 249106

Ion Ratio Lower Upper

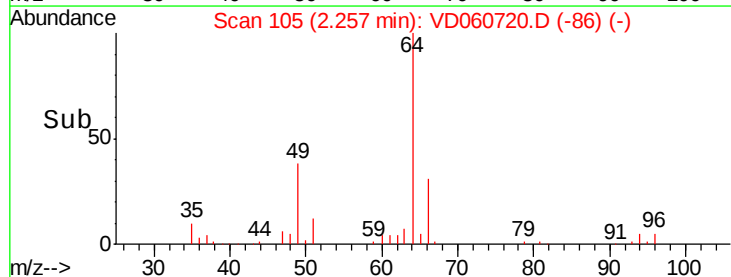
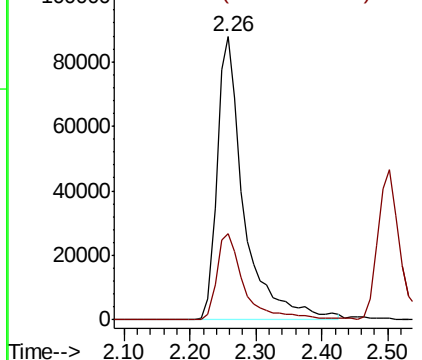
64 100

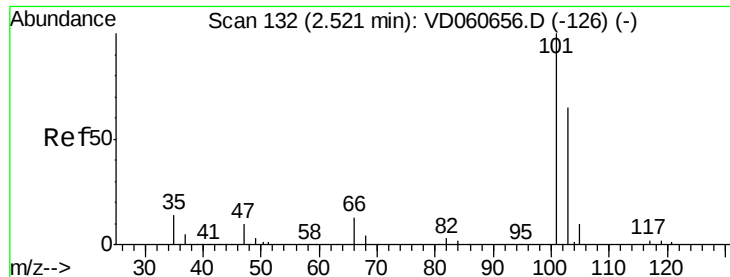
66 30.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

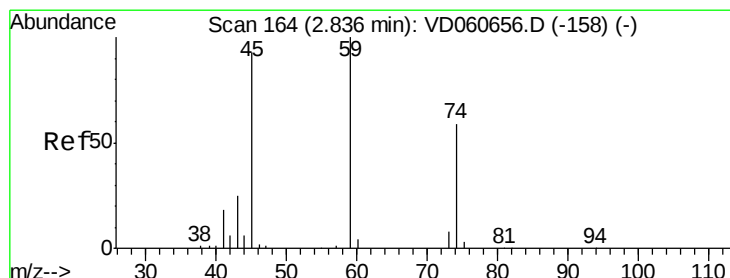
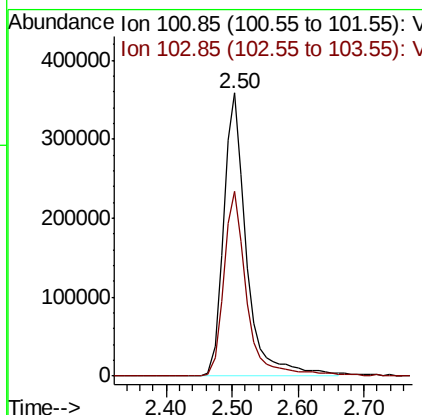
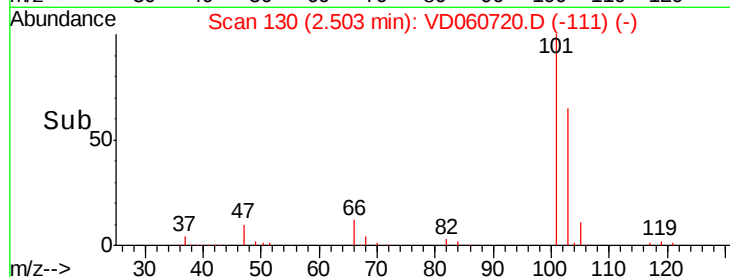
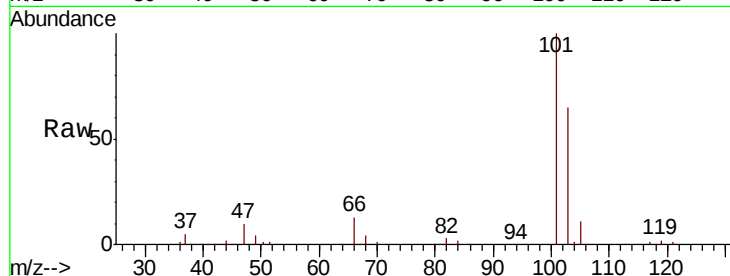
Trichlorofluoromethane
Concen: 55.221 ug/l
RT: 2.50 min Scan# 130
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.9	77.9

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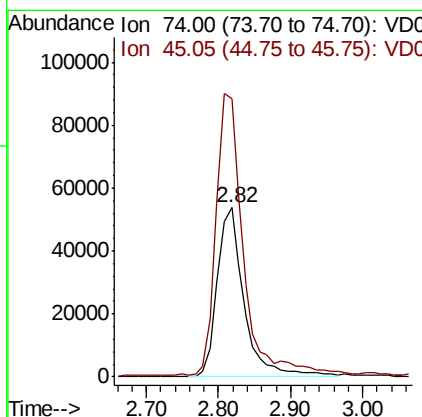
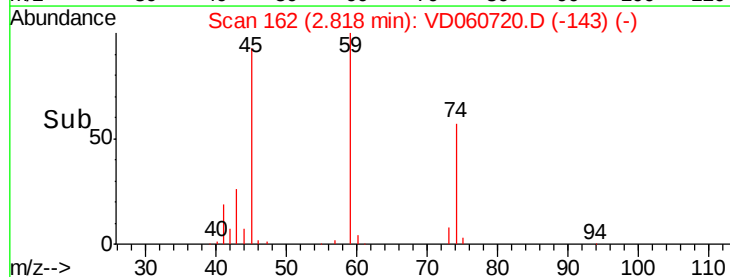
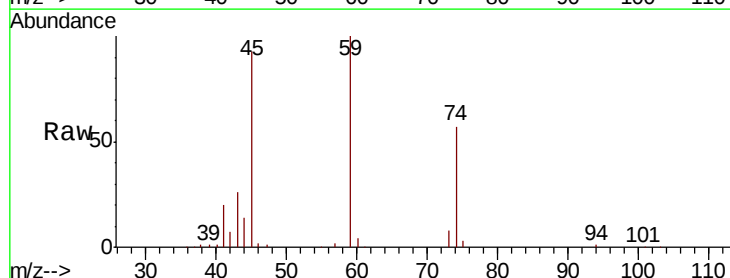
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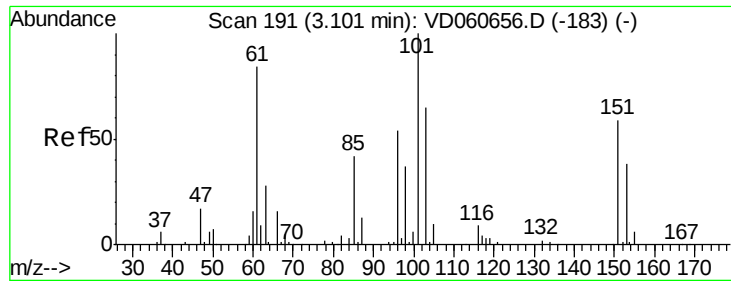


#8

Diethyl Ether
Concen: 52.293 ug/l
RT: 2.82 min Scan# 162
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	164.6	79.3	238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.250 ug/l

RT: 3.07 min Scan# 188

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

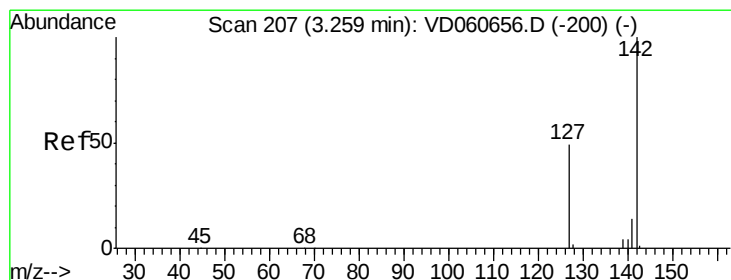
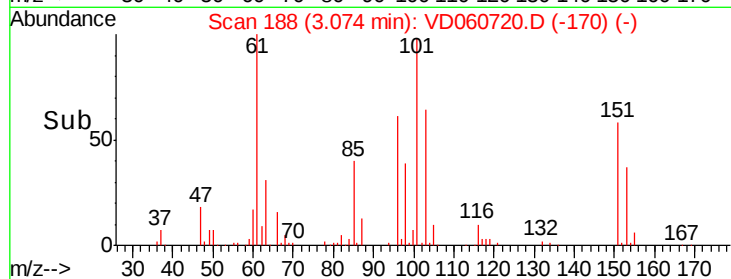
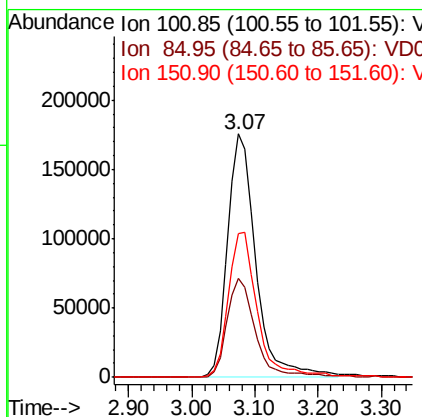
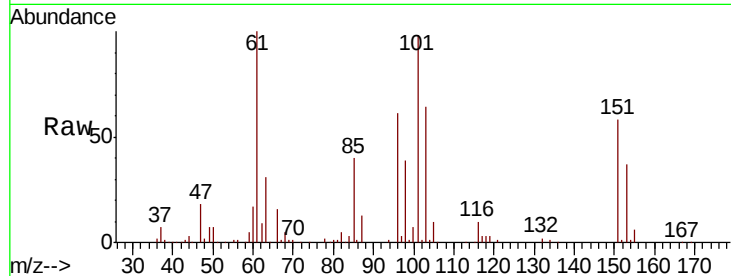
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	544160
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.4	50.0
151	59.2	47.5	71.3

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#10

Methyl Iodide

Concen: 58.369 ug/l

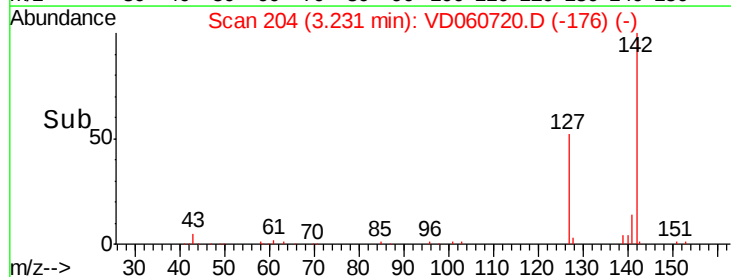
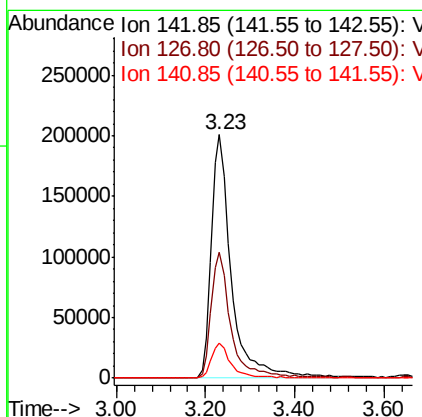
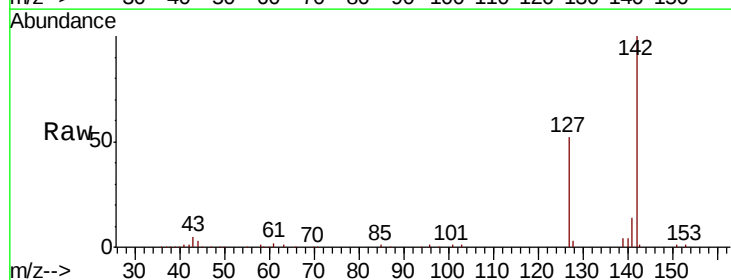
RT: 3.23 min Scan# 204

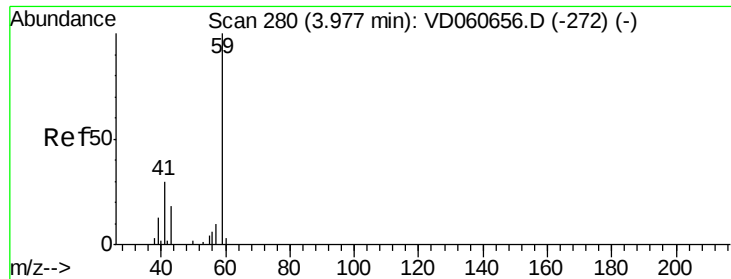
Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Tgt Ion:	142	Resp:	626864
Ion Ratio	Lower	Upper	
142	100		
127	51.7	39.5	59.3
141	14.2	11.3	16.9





#11

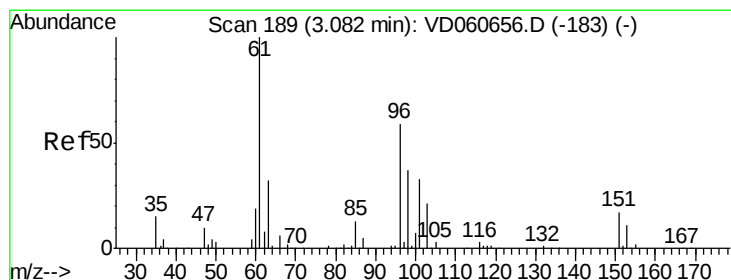
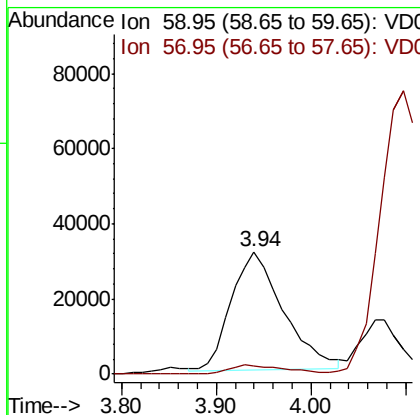
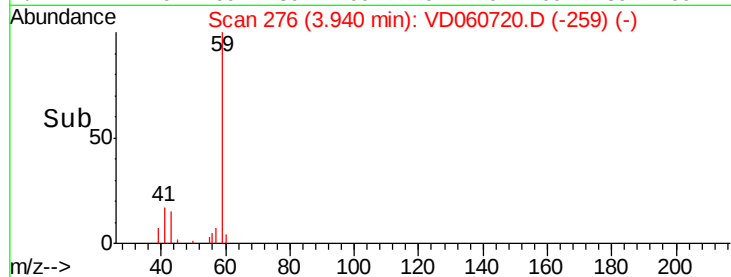
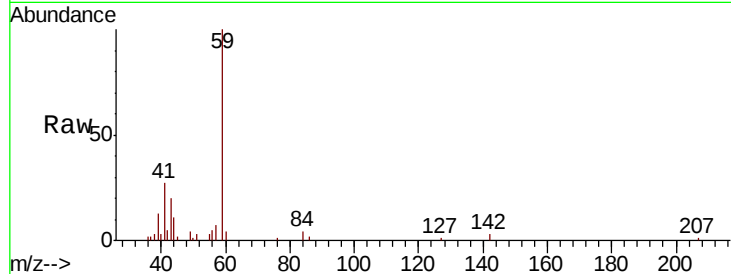
Tert butyl alcohol
Concen: 276.260 ug/l
RT: 3.94 min Scan# 276
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 121043
Ion Ratio Lower Upper
59 100
57 7.1 7.8 11.6#

Manual Integrations
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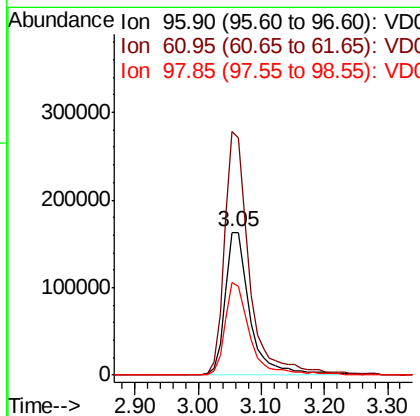
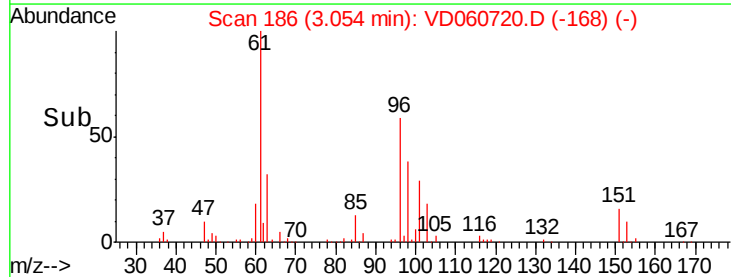
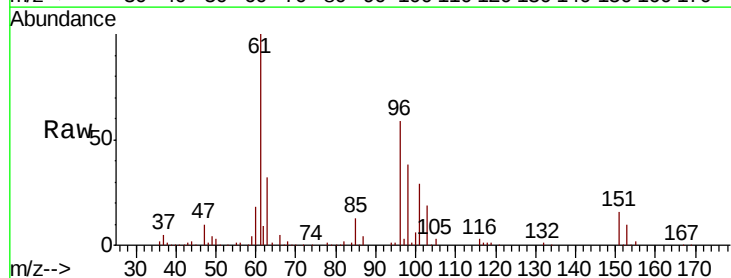
apatel
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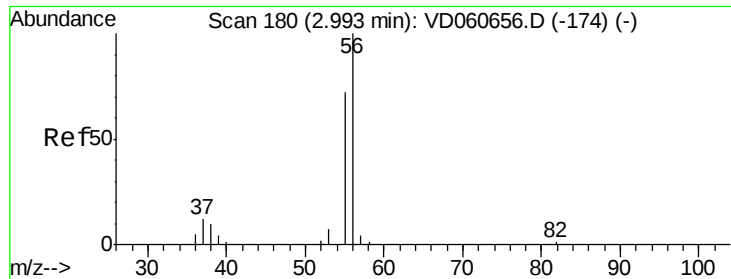


#12

1,1-Dichloroethene
Concen: 52.858 ug/l
RT: 3.05 min Scan# 186
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 96 Resp: 443823
Ion Ratio Lower Upper
96 100
61 170.1 136.2 204.4
98 65.1 50.7 76.1





#13

Acrolein

Concen: 298.669 ug/l

RT: 2.97 min Scan# 177

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 133354

Ion Ratio Lower Upper

56 100

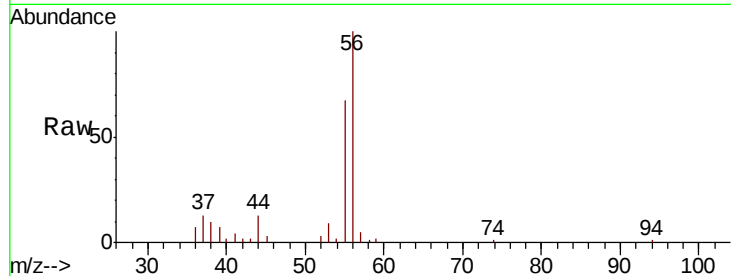
55 66.9 57.7 86.5

Manual Integrations

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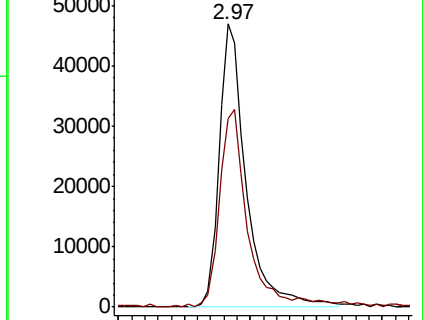
apatel

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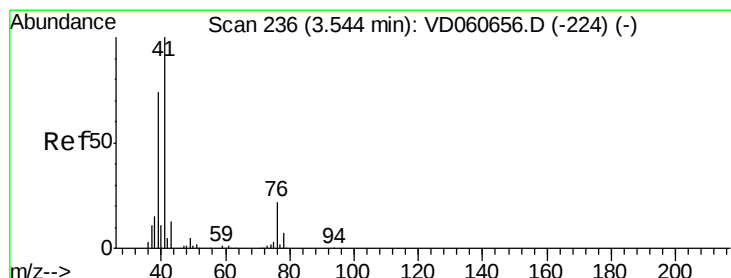
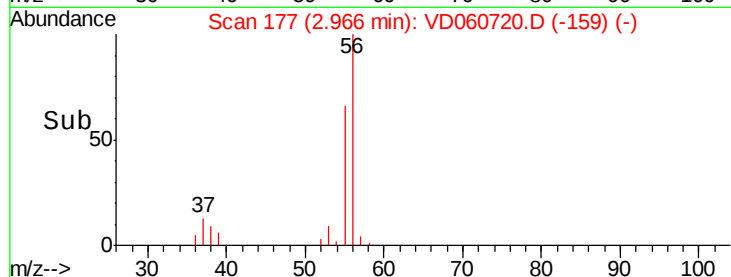


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#14

Allyl chloride

Concen: 54.485 ug/l

RT: 3.52 min Scan# 233

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

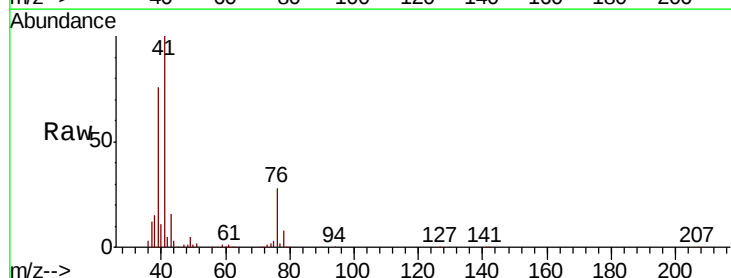
Tgt Ion: 41 Resp: 839454

Ion Ratio Lower Upper

41 100

39 76.0 59.6 89.4

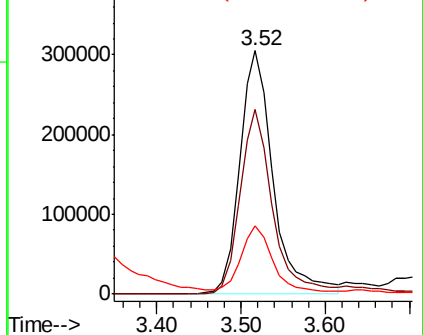
76 27.8 21.8 32.6



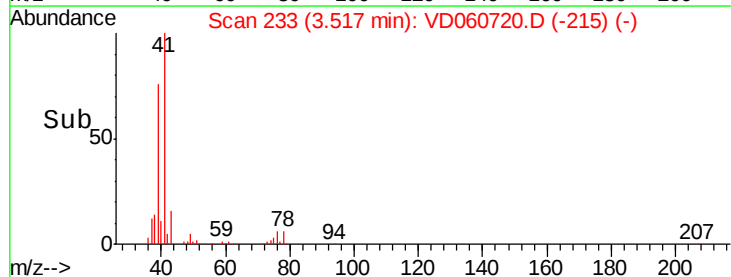
Abundance Ion 41.05 (40.75 to 41.75): VDC

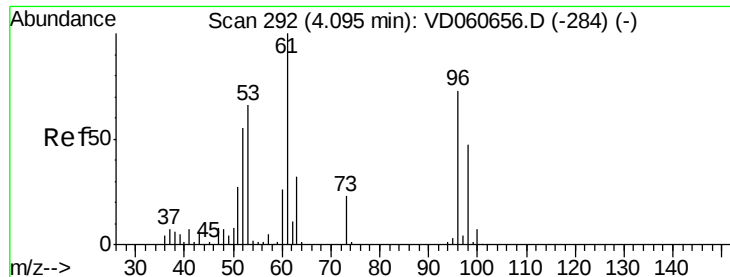
Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC



Time-->





#15

Acrylonitrile

Concen: 275.603 ug/l

RT: 4.06 min Scan# 288

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 701060

Ion Ratio Lower Upper

53 100

52 84.1 66.7 100.1

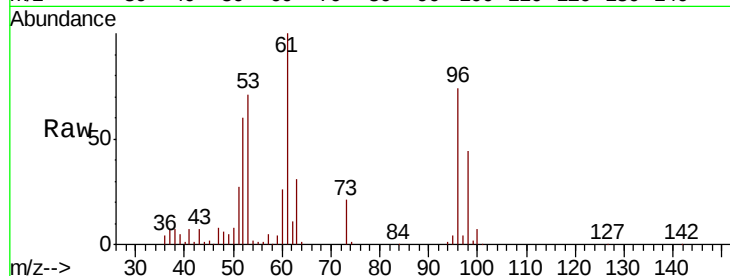
51 38.5 32.7 49.1

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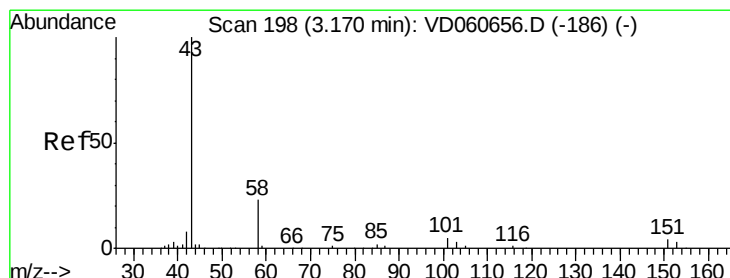
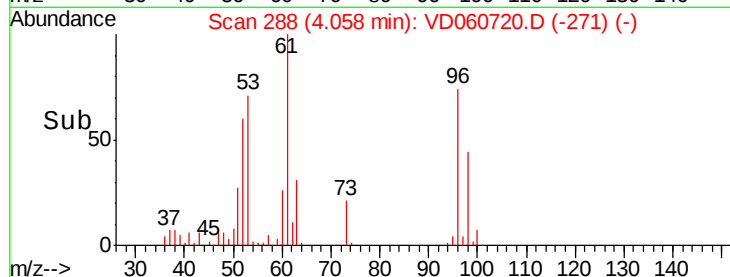
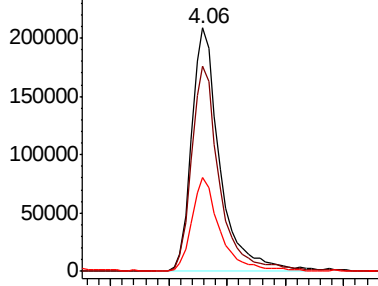
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Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 279.833 ug/l

RT: 3.14 min Scan# 195

Delta R.T. -0.03 min

Lab File: VD060720.D

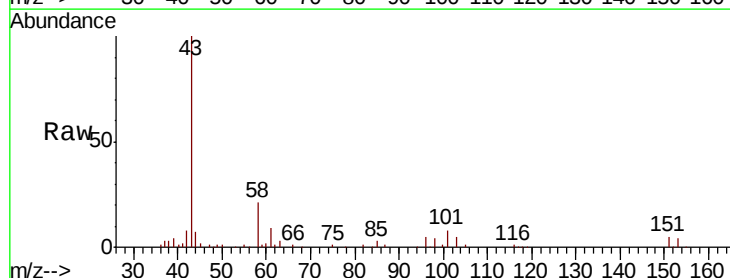
Acq: 27 Dec 2018 11:53

Tgt Ion: 43 Resp: 512341

Ion Ratio Lower Upper

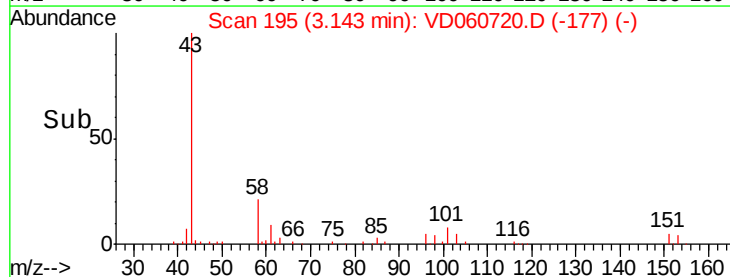
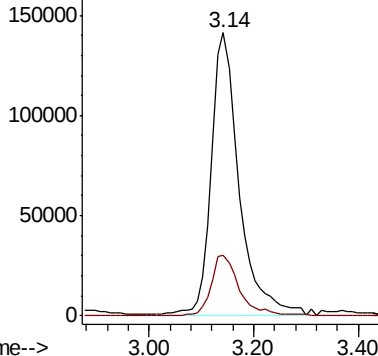
43 100

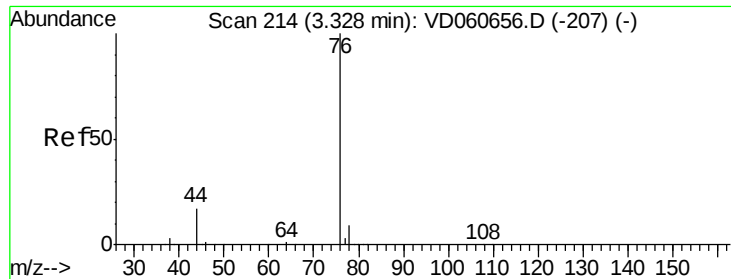
58 21.5 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





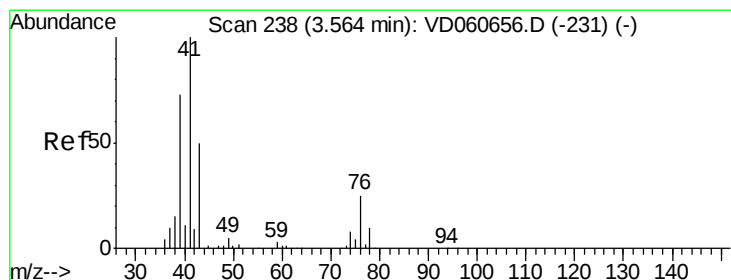
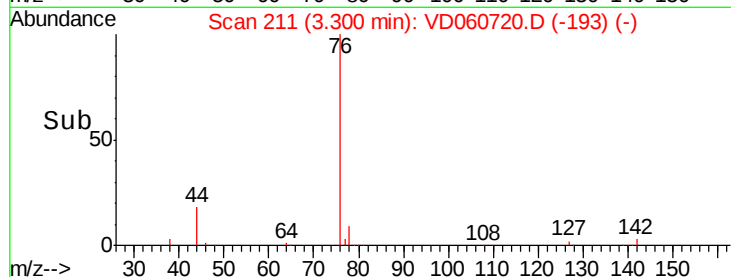
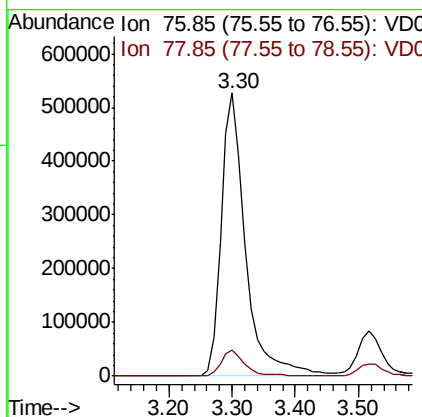
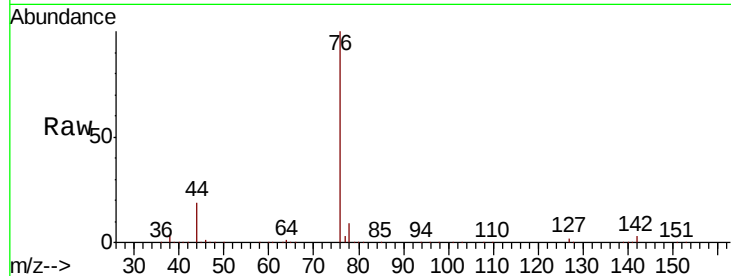
#17
Carbon Disulfide
Concen: 52.895 ug/l
RT: 3.30 min Scan# 211
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1418397
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

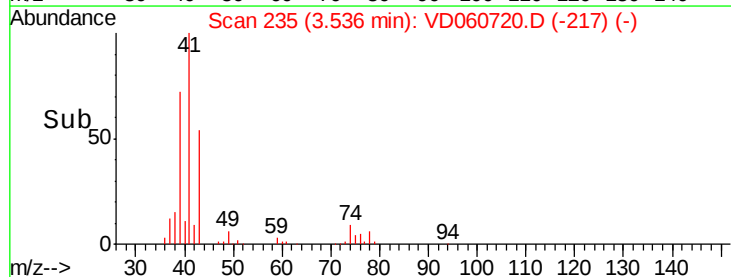
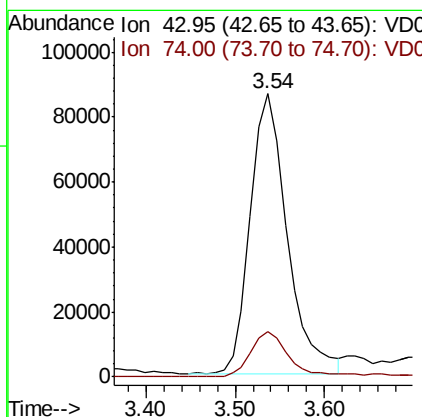
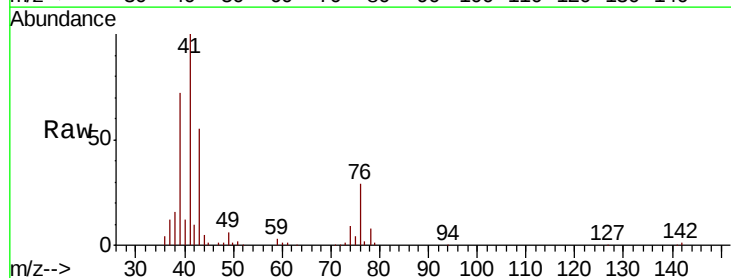
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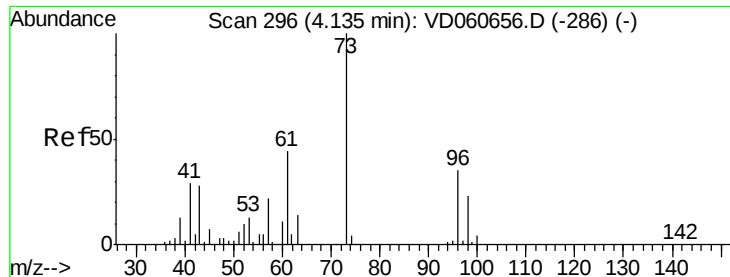
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#18
Methyl Acetate
Concen: 54.783 ug/l
RT: 3.54 min Scan# 235
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 43 Resp: 248577
Ion Ratio Lower Upper
43 100
74 15.9 12.4 18.6





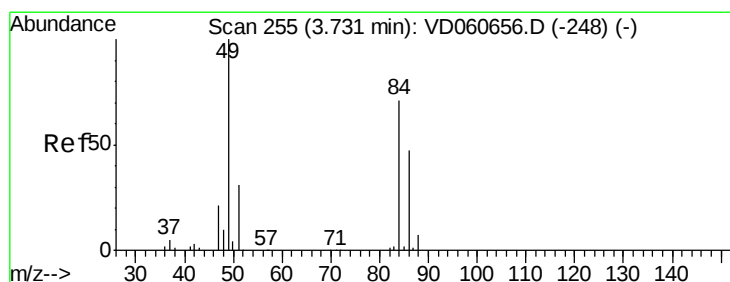
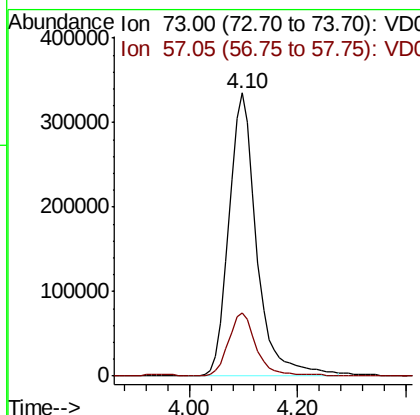
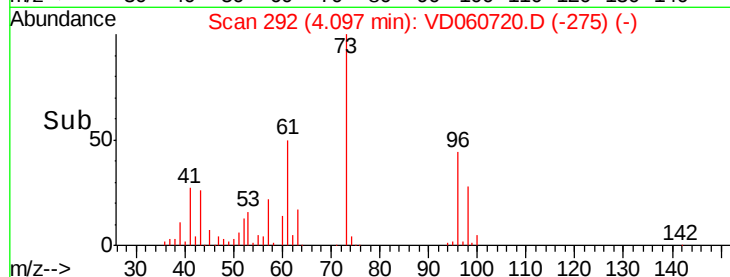
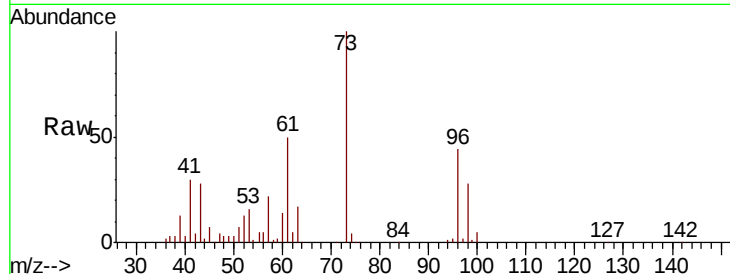
#19
Methyl tert-butyl Ether
Concen: 56.315 ug/l
RT: 4.10 min Scan# 292
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1199642
Ion Ratio Lower Upper
73 100
57 22.5 17.6 26.4

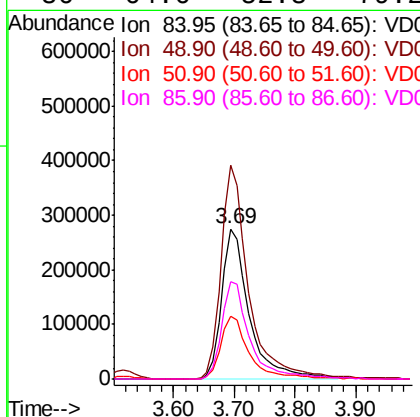
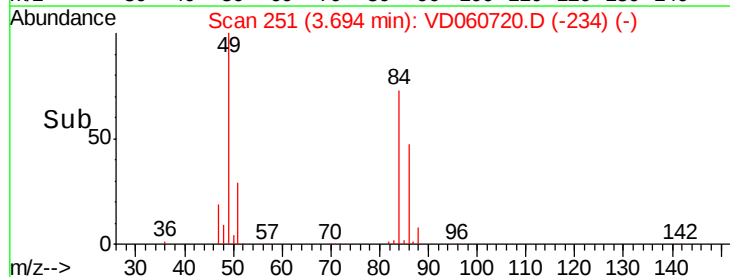
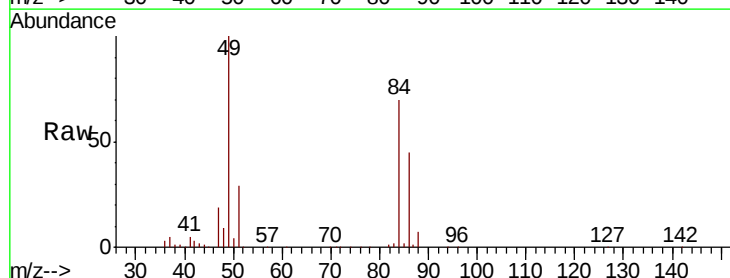
Manual Integrations
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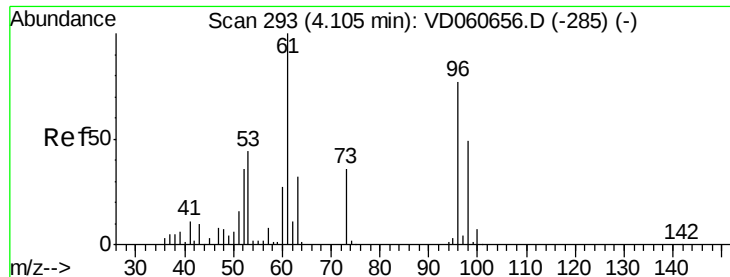
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#20
Methylene Chloride
Concen: 46.141 ug/l
RT: 3.69 min Scan# 251
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 84 Resp: 877318
Ion Ratio Lower Upper
84 100
49 142.4 113.6 170.4
51 41.5 34.7 52.1
86 64.6 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 56.583 ug/l

RT: 4.08 min Scan# 290

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 96 Resp: 972984

Ion Ratio Lower Upper

96 100

61 123.9 104.2 156.2

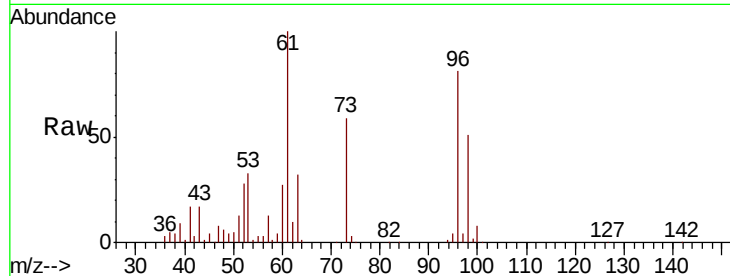
98 63.5 51.2 76.8

Manual Integrations

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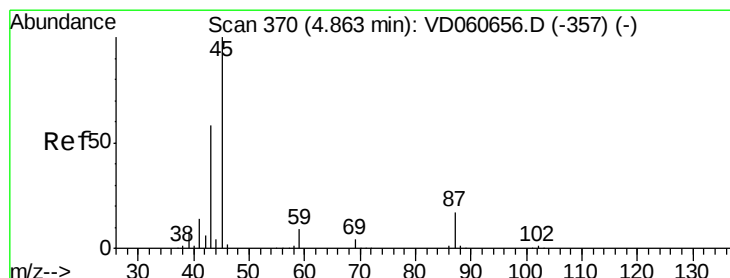
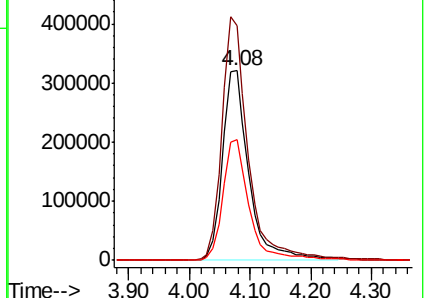
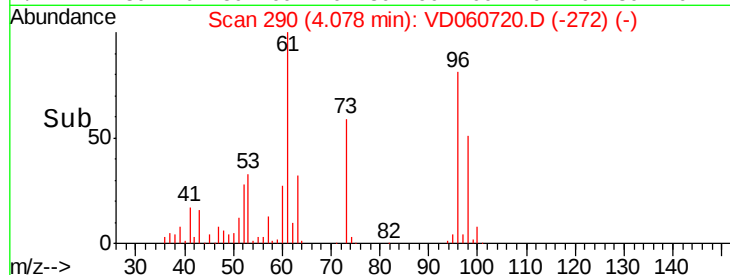
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 56.571 ug/l

RT: 4.83 min Scan# 366

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Tgt Ion: 45 Resp: 2959327

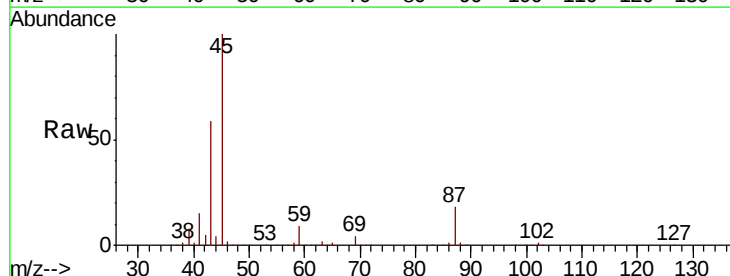
Ion Ratio Lower Upper

45 100

43 58.5 46.1 69.1

87 17.7 13.7 20.5

59 9.1 7.4 11.0

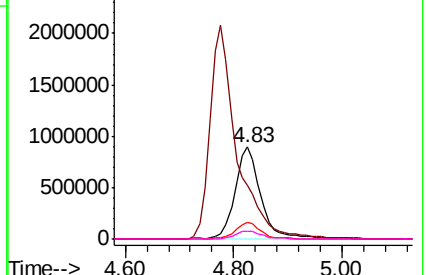
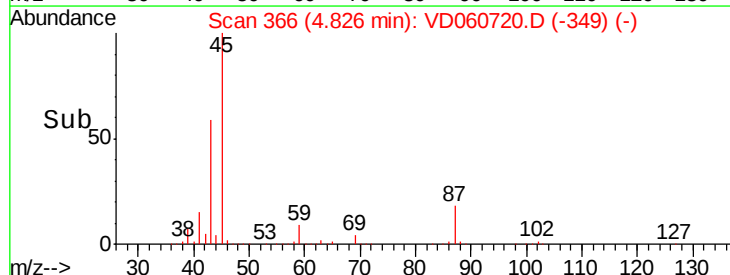


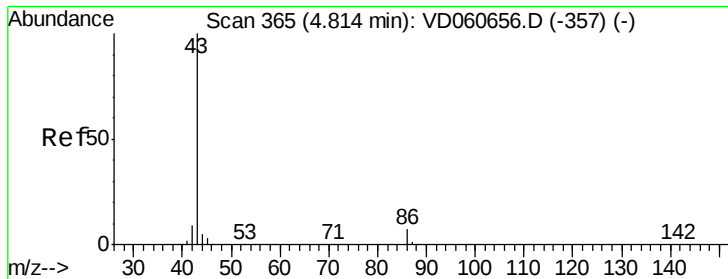
Abundance Ion 45.05 (44.75 to 45.75): VDC

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





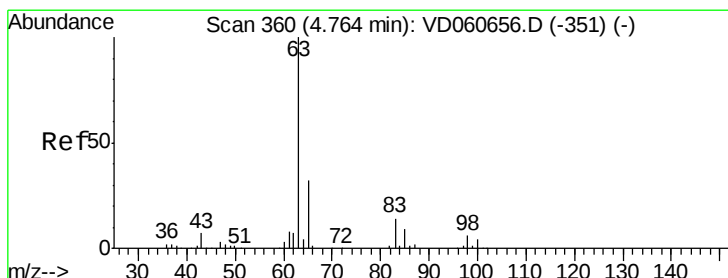
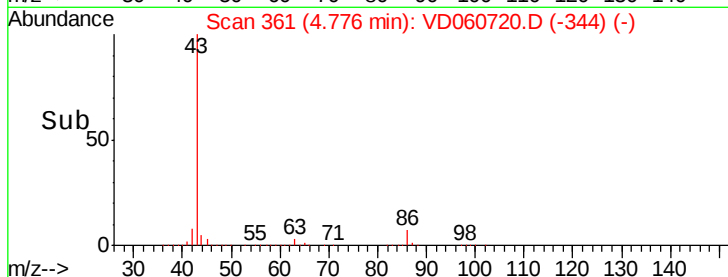
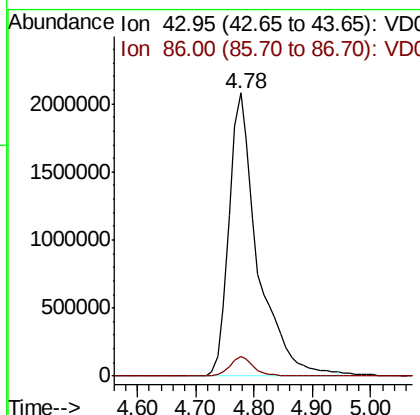
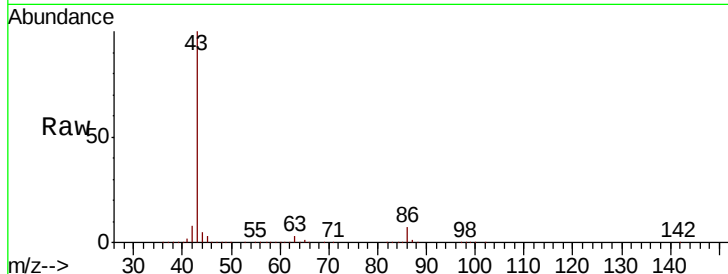
#23
 Vinyl Acetate
 Concen: 281.464 ug/l
 RT: 4.78 min Scan# 361
 Delta R.T. -0.04 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 7123425
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.6 8.4

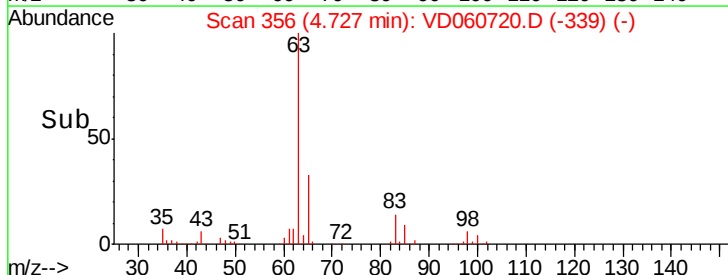
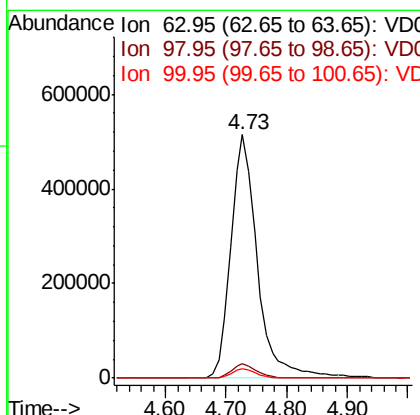
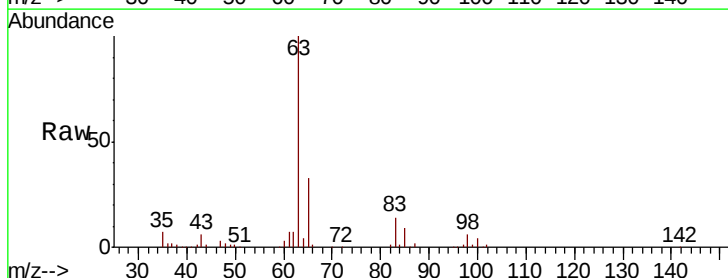
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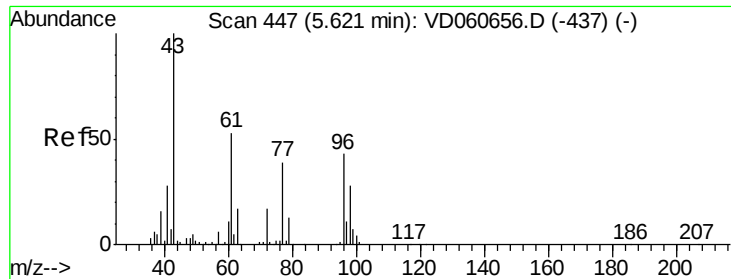
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#24
 1,1-Dichloroethane
 Concen: 56.757 ug/l
 RT: 4.73 min Scan# 356
 Delta R.T. -0.04 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion: 63 Resp: 1561697
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.7
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 281.520 ug/l

RT: 5.59 min Scan# 444

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 986312

Ion Ratio Lower Upper

43 100

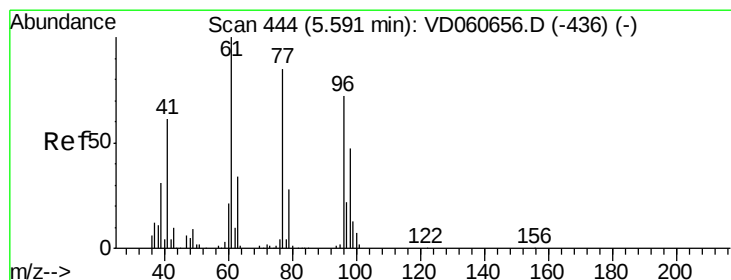
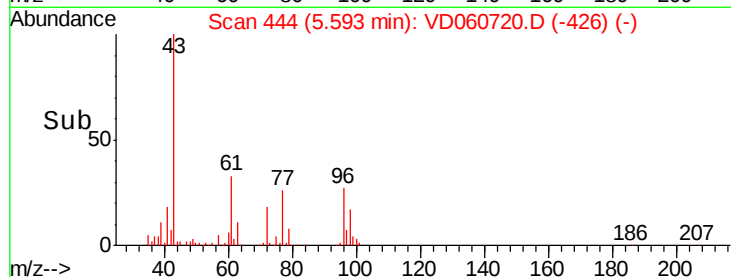
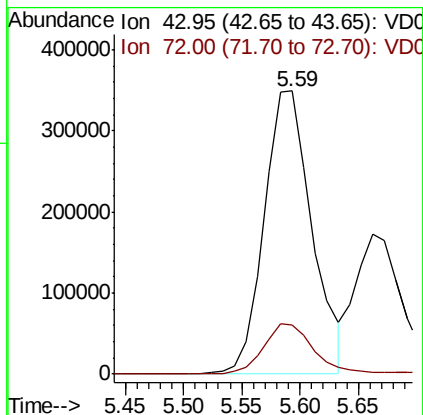
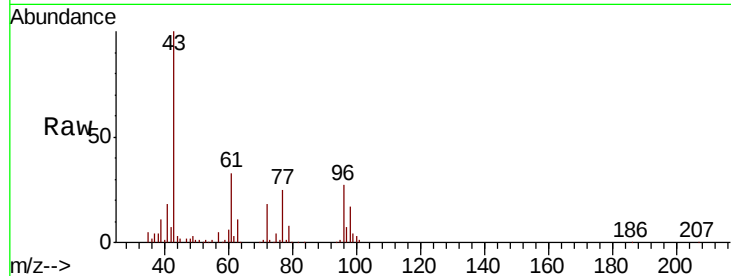
72 17.6 13.7 20.5

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#26

2,2-Dichloropropane

Concen: 58.576 ug/l

RT: 5.55 min Scan# 440

Delta R.T. -0.04 min

Lab File: VD060720.D

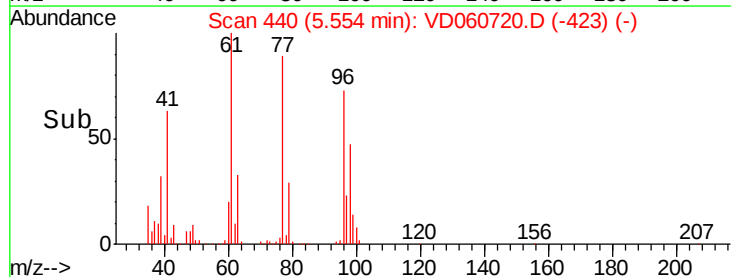
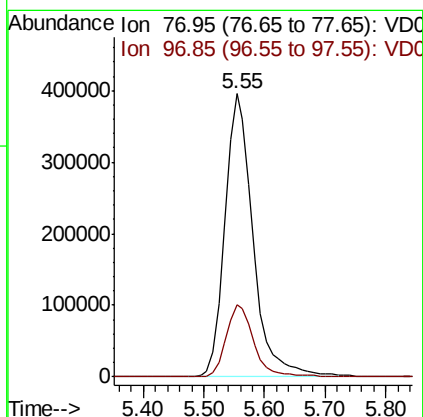
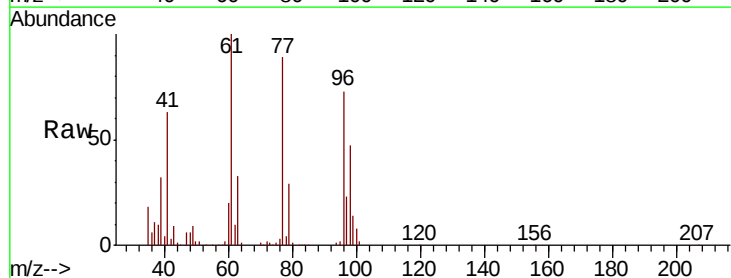
Acq: 27 Dec 2018 11:53

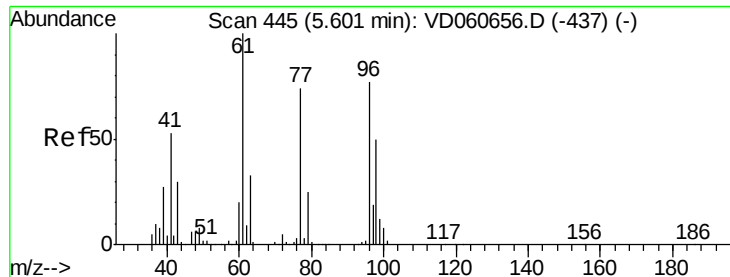
Tgt Ion: 77 Resp: 1272254

Ion Ratio Lower Upper

77 100

97 25.6 13.0 39.0





#27

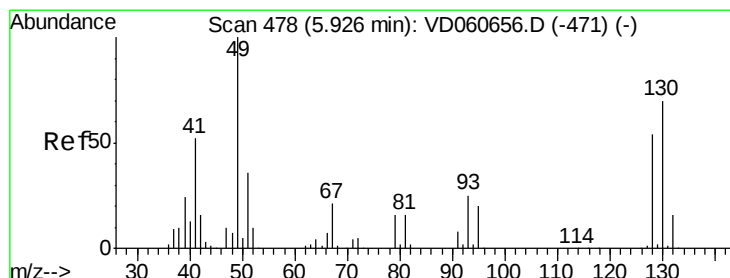
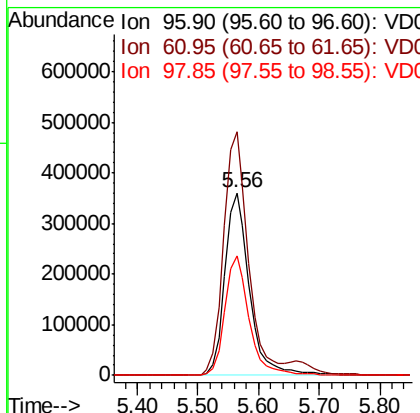
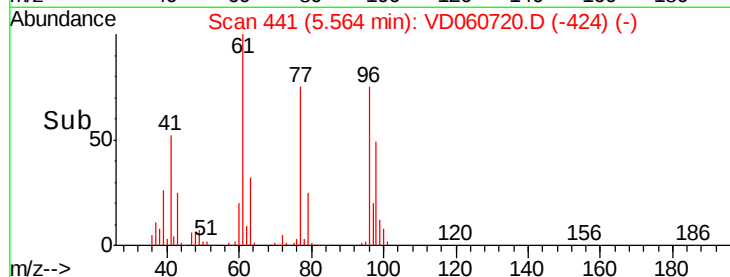
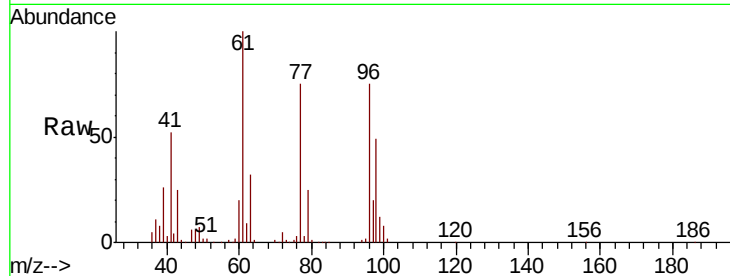
cis-1,2-Dichloroethene
 Concen: 58.212 ug/l
 RT: 5.56 min Scan# 441
 Delta R.T. -0.04 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.5	0.0	259.4
98	65.8	0.0	130.0

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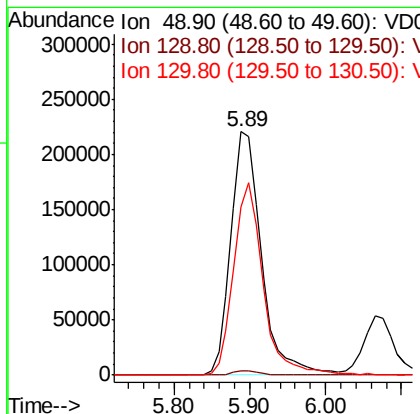
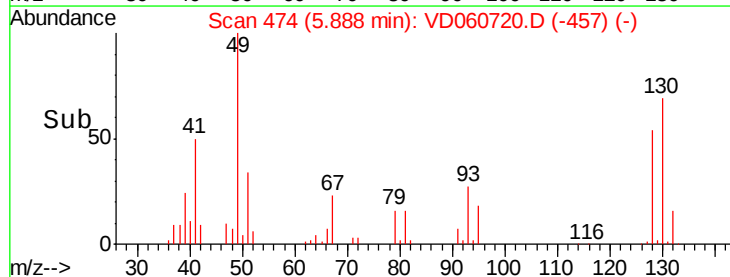
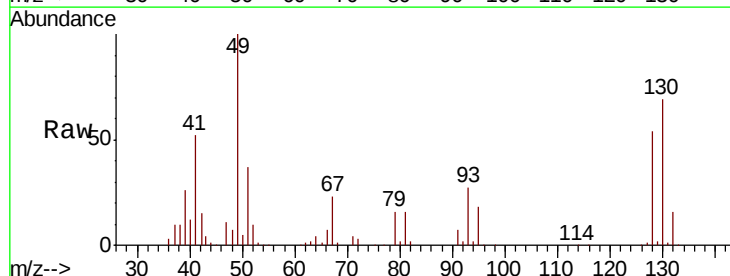
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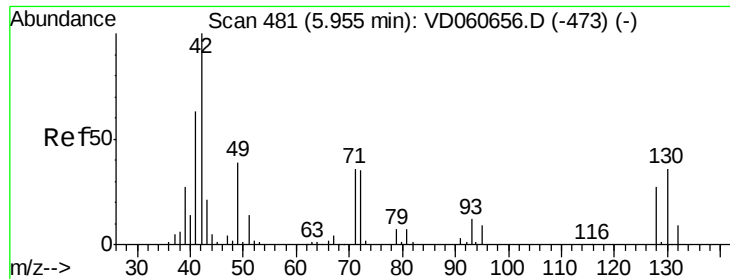


#28

Bromochloromethane
 Concen: 53.318 ug/l
 RT: 5.89 min Scan# 474
 Delta R.T. -0.04 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	69.1	56.2	84.2





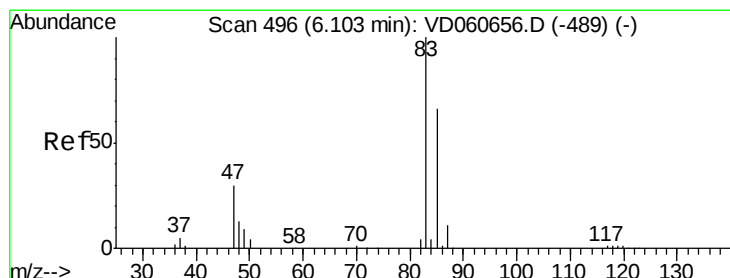
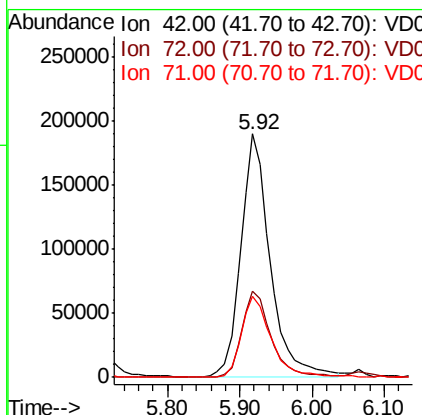
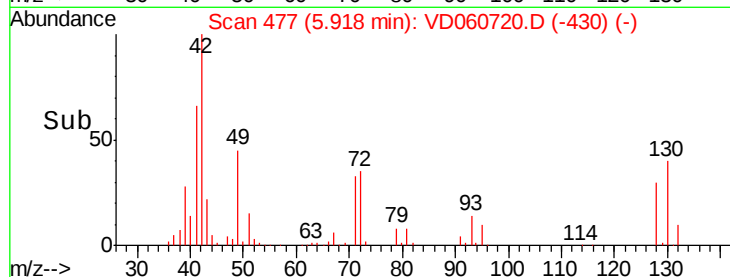
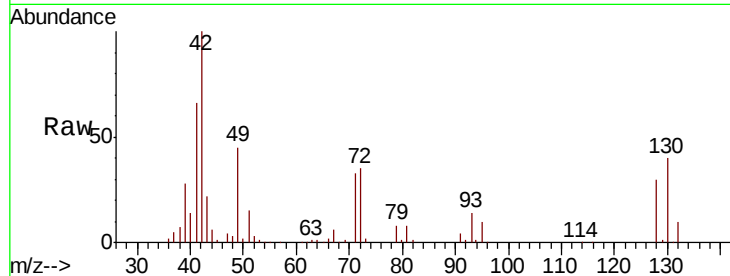
#29
Tetrahydrofuran
Concen: 269.257 ug/l
RT: 5.92 min Scan# 477
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.0	42.0
71	34.4	27.0	40.6

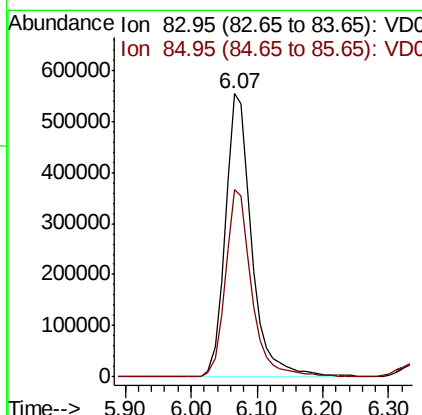
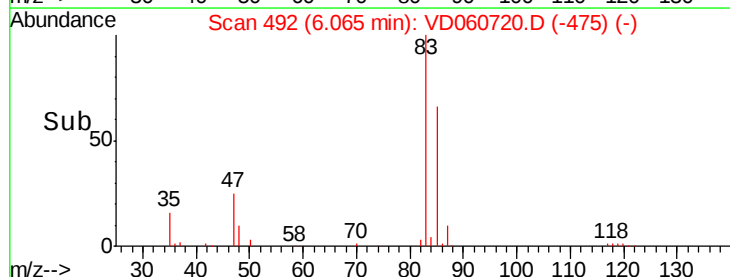
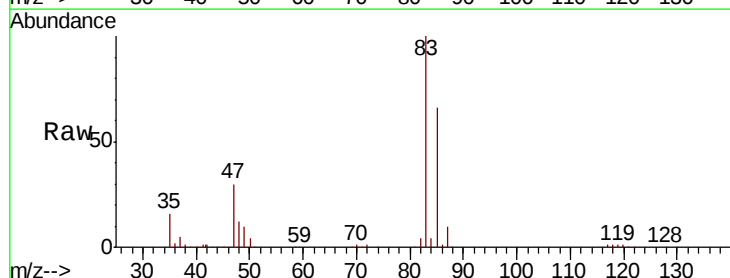
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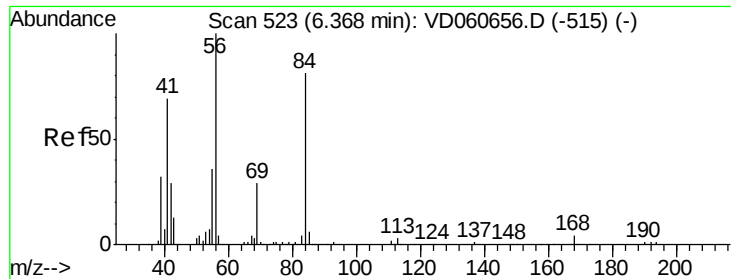
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#30
Chloroform
Concen: 55.776 ug/l
RT: 6.07 min Scan# 492
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.0	79.6





#31

Cyclohexane

Concen: 52.304 ug/l

RT: 6.33 min Scan# 519

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 1384980

Ion Ratio Lower Upper

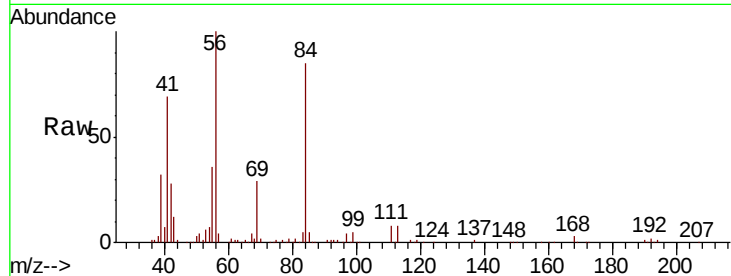
56 100

69 28.6 23.6 35.4

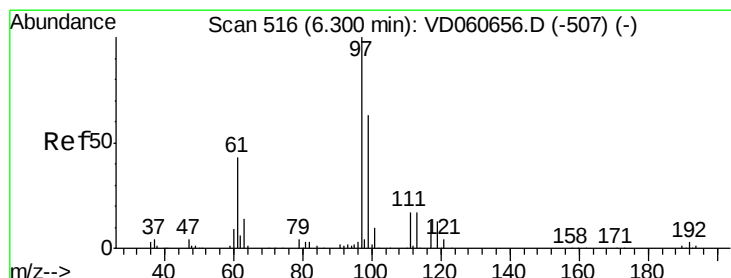
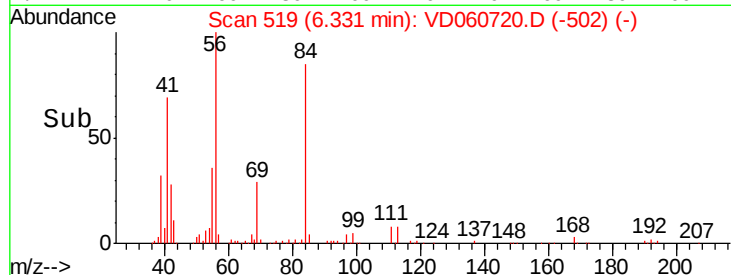
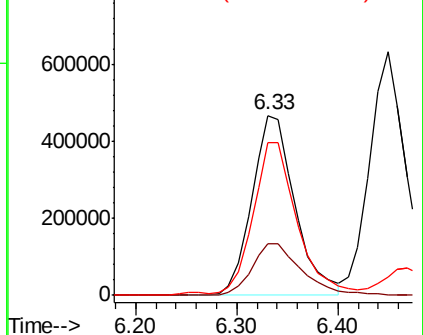
84 84.6 65.8 98.6

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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 57.893 ug/l

RT: 6.26 min Scan# 512

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

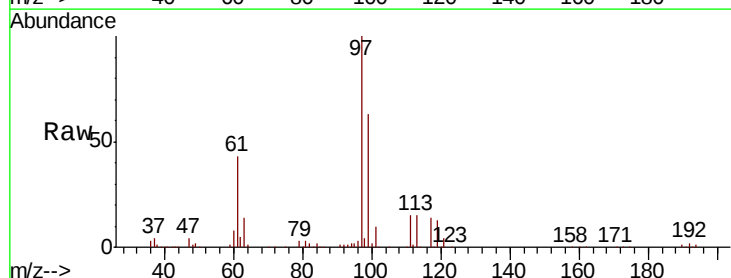
Tgt Ion: 97 Resp: 1326122

Ion Ratio Lower Upper

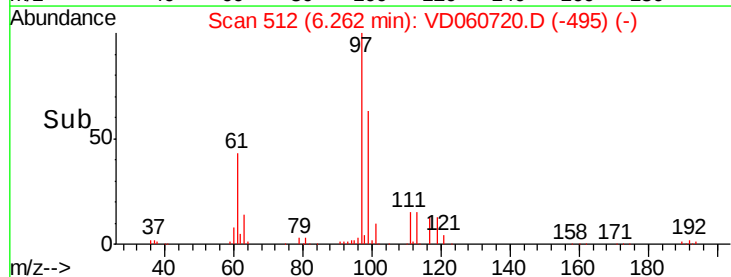
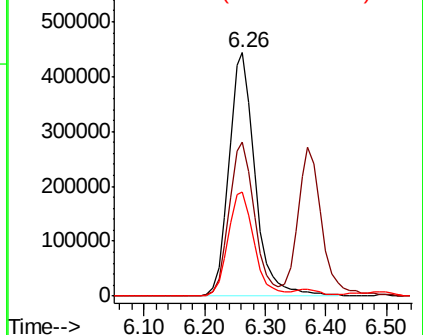
97 100

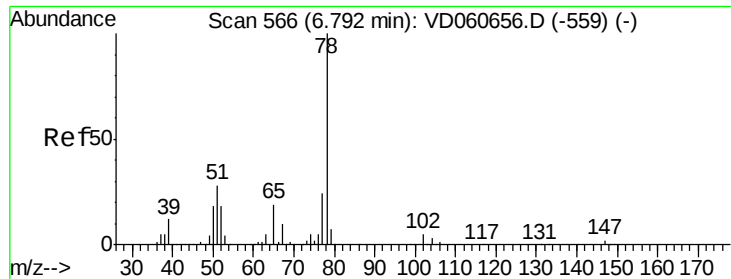
99 63.2 50.5 75.7

61 42.9 34.6 51.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 57.893 ug/l

RT: 6.75 min Scan# 562

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Tot Ion: 65 Resp: 582056

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.4

Instrument :

MSVOA_D

ClientSampleId :

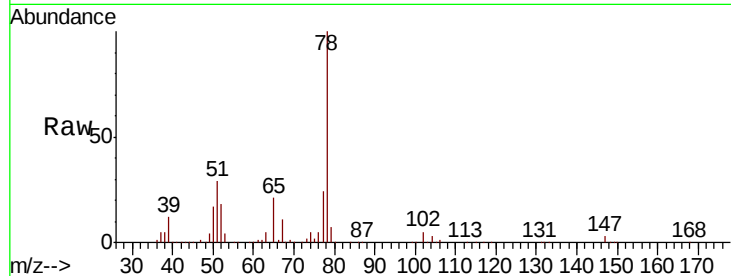
VSTDCCC050

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

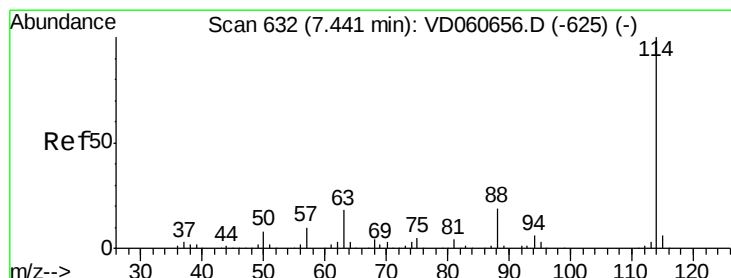
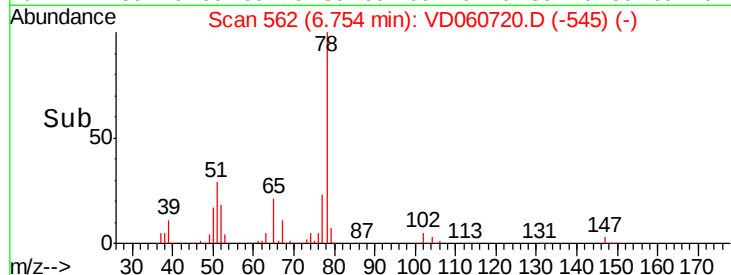
100000

50000

0

6.60 6.70 6.80

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.41 min Scan# 629

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

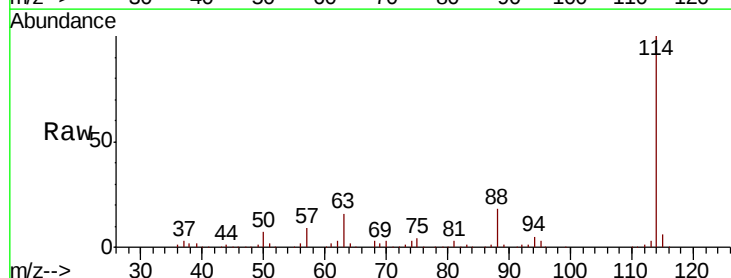
Tgt Ion:114 Resp: 2149563

Ion Ratio Lower Upper

114 100

63 16.3 0.0 36.2

88 17.6 0.0 37.0



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

1000000

800000

600000

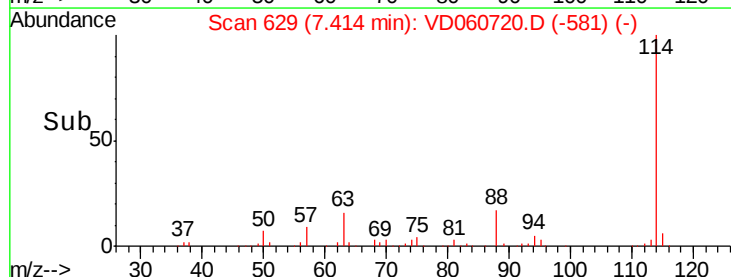
400000

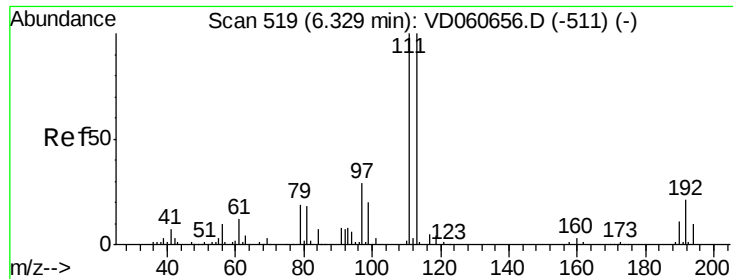
200000

0

7.20 7.40 7.60 7.80

Time-->





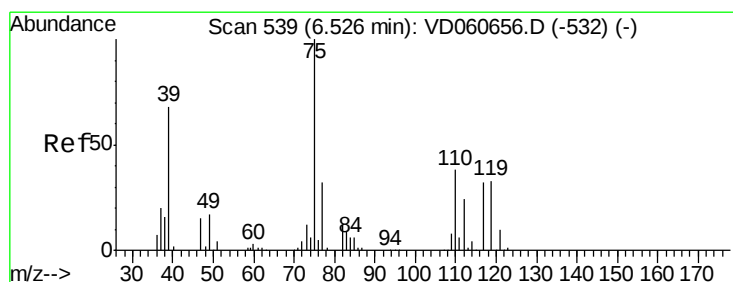
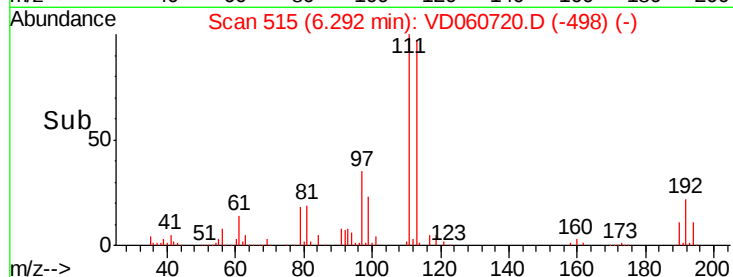
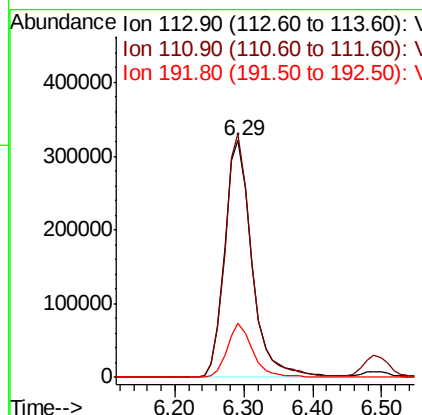
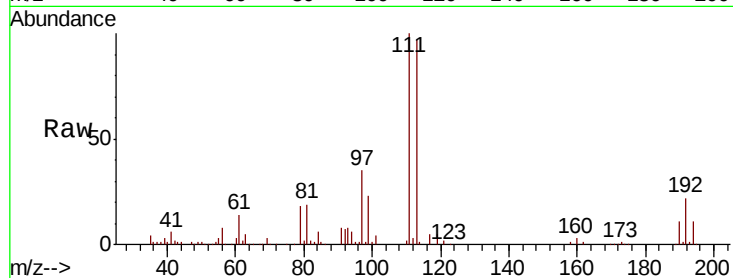
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.29 min Scan# 515
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	80.0	120.0	
192	22.7	16.6	25.0	

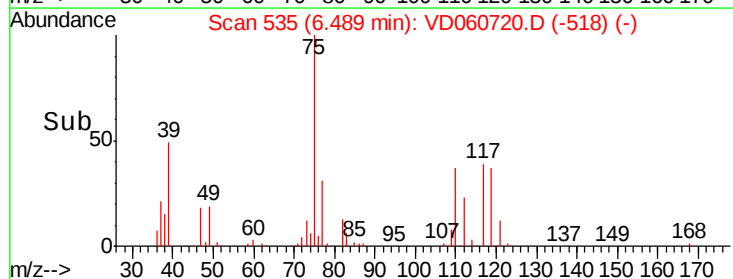
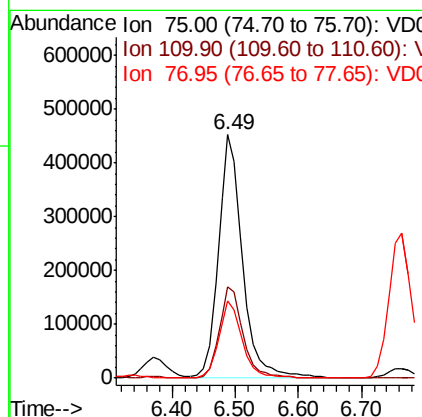
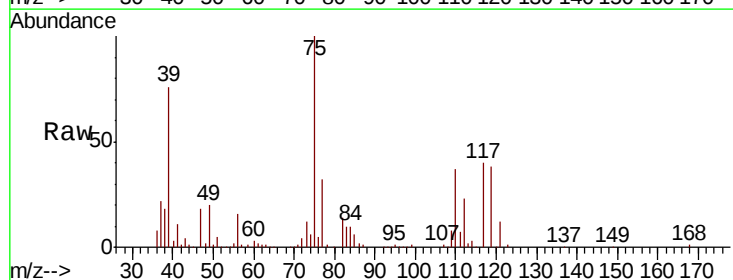
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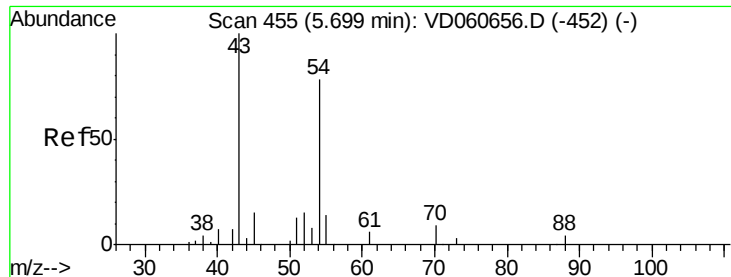
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#36
1,1-Dichloropropene
Concen: 53.808 ug/l
RT: 6.49 min Scan# 535
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.3	18.9	56.7	
77	31.7	25.4	38.0	





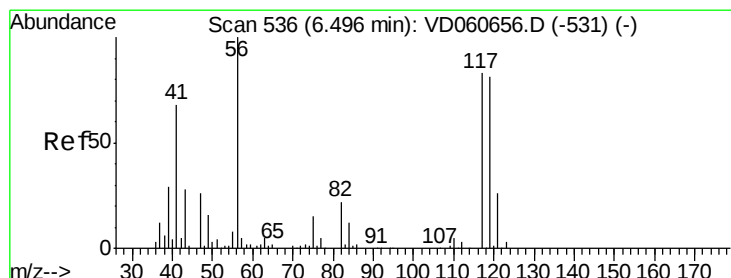
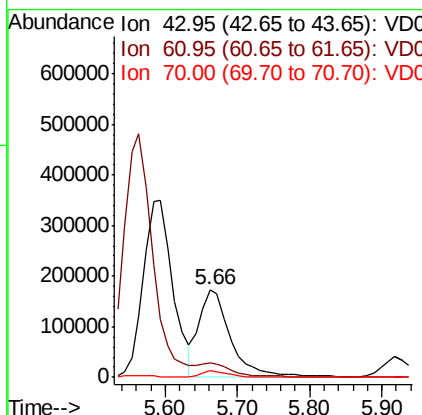
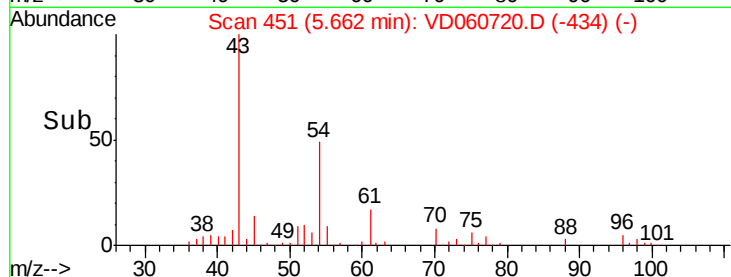
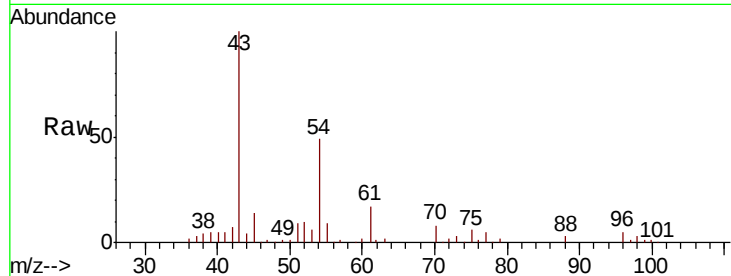
#37
Ethyl Acetate
Concen: 55.062 ug/l
RT: 5.66 min Scan# 451
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.8	17.6
70	7.7	5.8	8.6

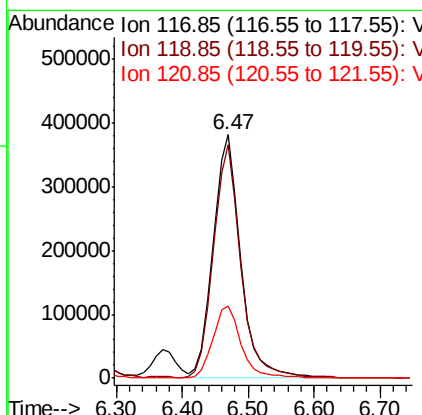
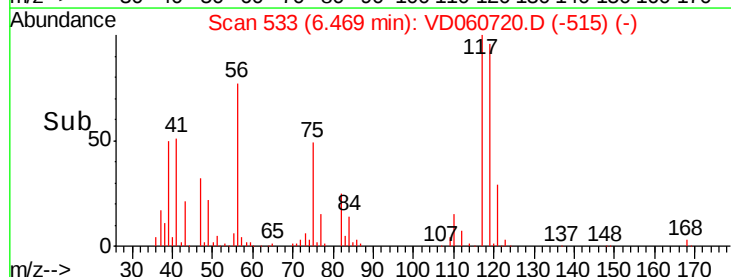
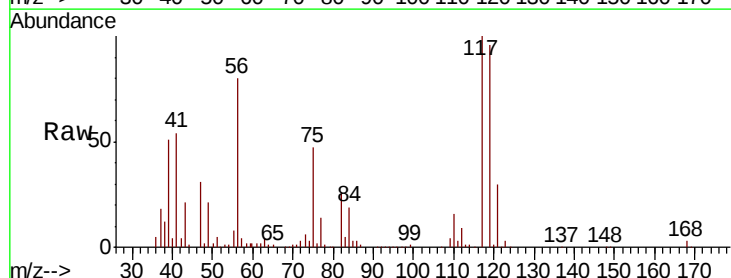
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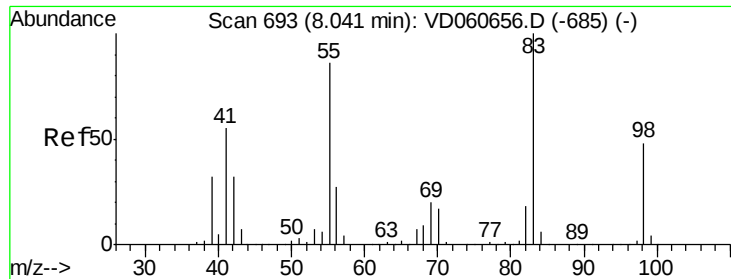
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#38
Carbon Tetrachloride
Concen: 55.658 ug/l
RT: 6.47 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.0	115.4
121	29.7	24.7	37.1





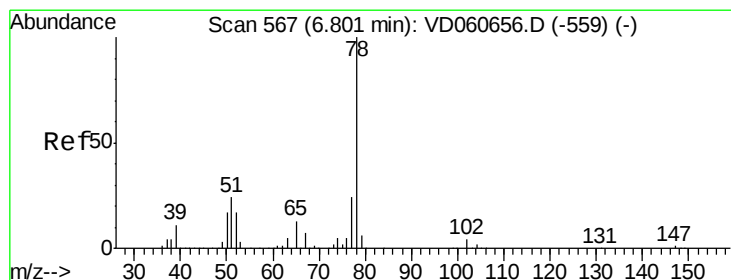
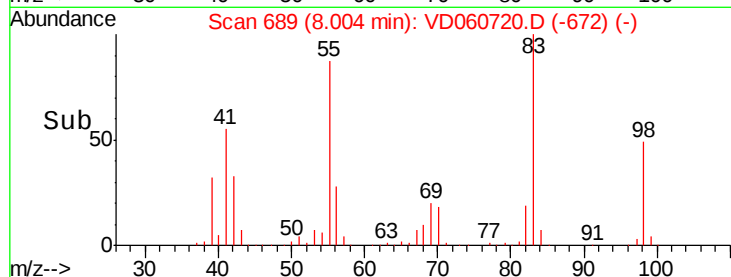
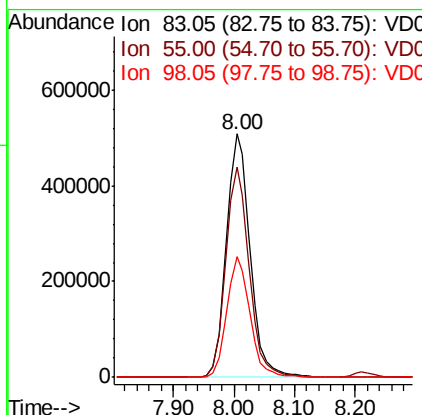
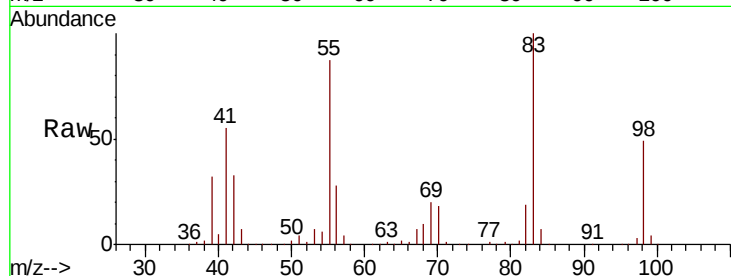
#39
Methvlcvclohexane
Concen: 54.751 ug/l
RT: 8.00 min Scan# 689
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1382180
Ion Ratio Lower Upper
83 100
55 86.6 68.6 102.8
98 49.3 38.1 57.1

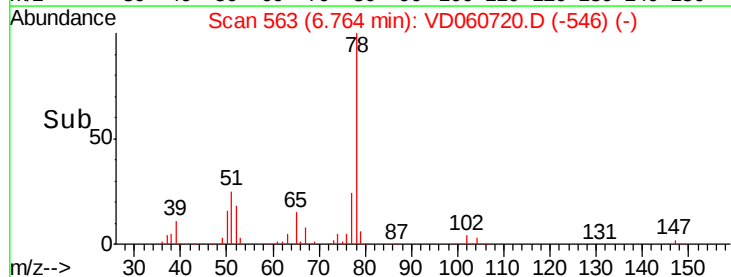
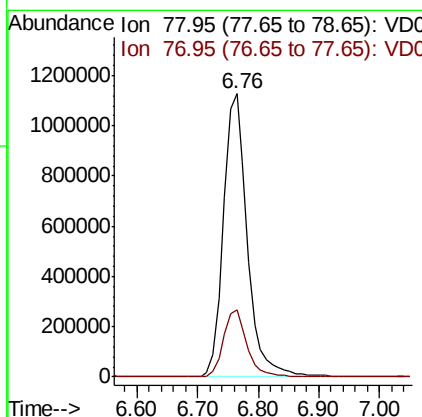
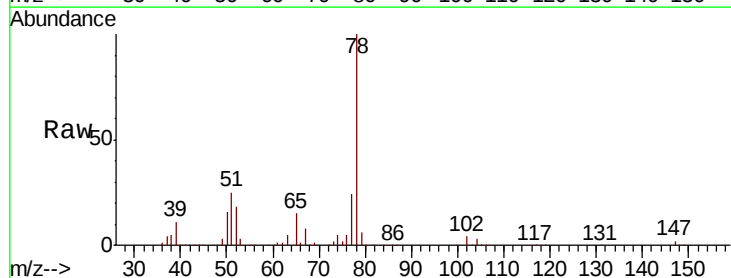
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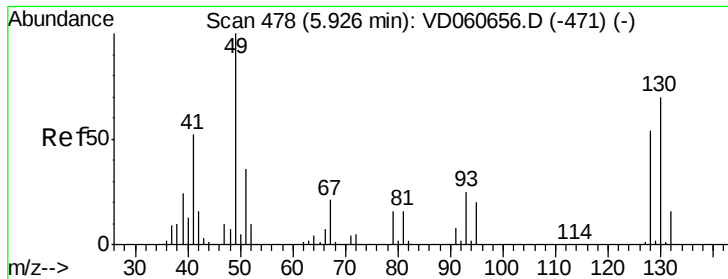
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#40
Benzene
Concen: 53.960 ug/l
RT: 6.76 min Scan# 563
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 78 Resp: 3085161
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8





#41

Methacrylonitrile

Concen: 51.817 ug/l m

RT: 5.89 min Scan# 474

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 265330
Ion Ratio Lower Upper

41 100

39 49.7 37.6 56.4

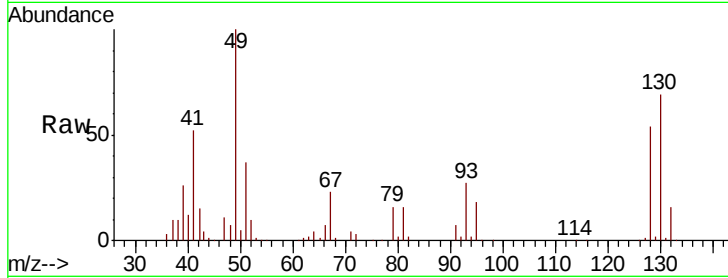
67 44.5 33.0 49.6

52 18.6 15.5 23.3

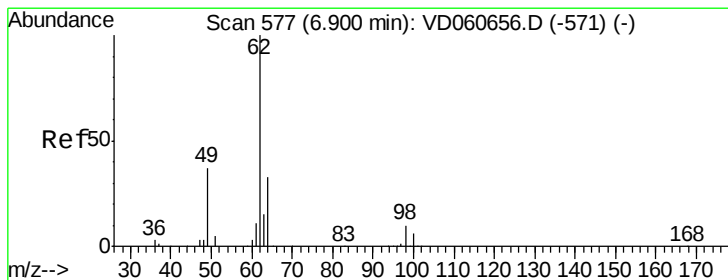
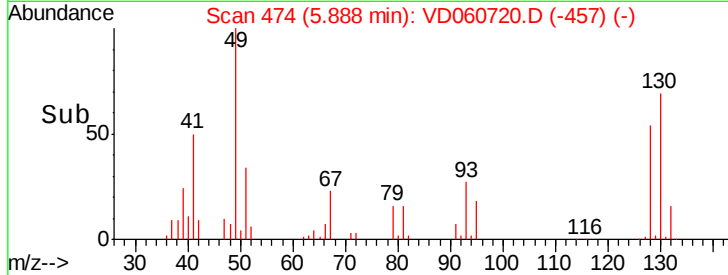
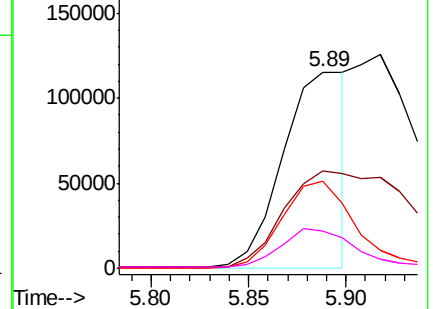
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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.564 ug/l

RT: 6.86 min Scan# 573

Delta R.T. -0.04 min

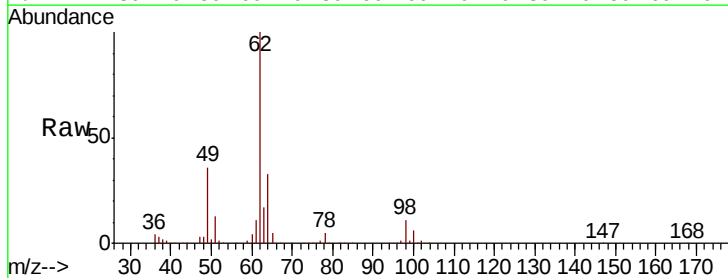
Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

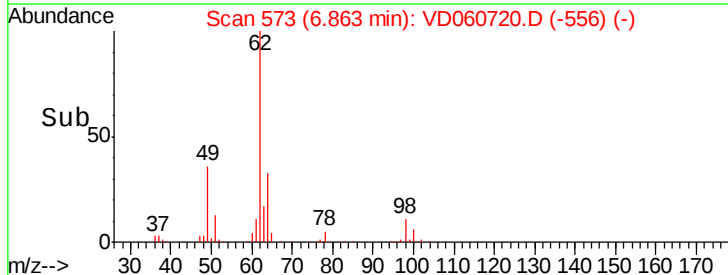
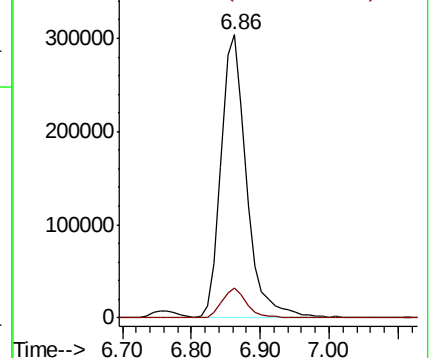
Tgt Ion: 62 Resp: 774179
Ion Ratio Lower Upper

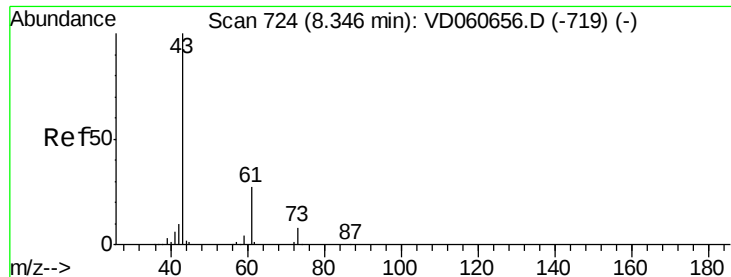
62 100

98 10.8 0.0 20.4



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





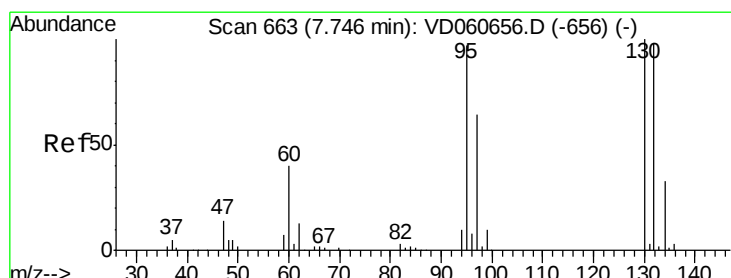
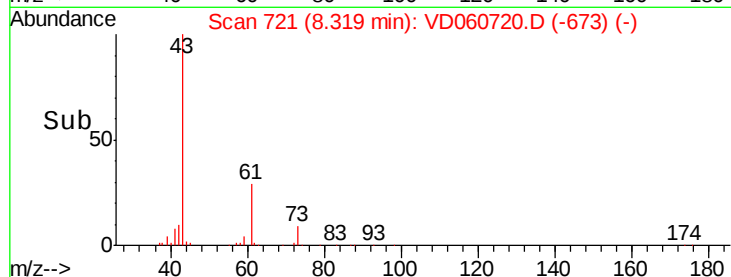
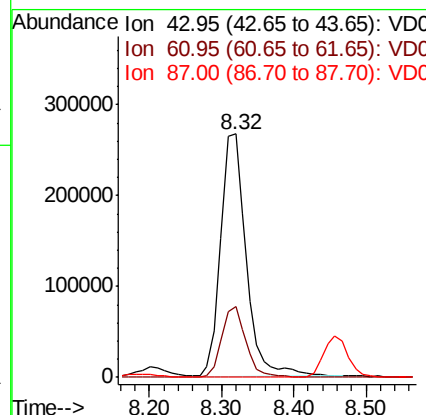
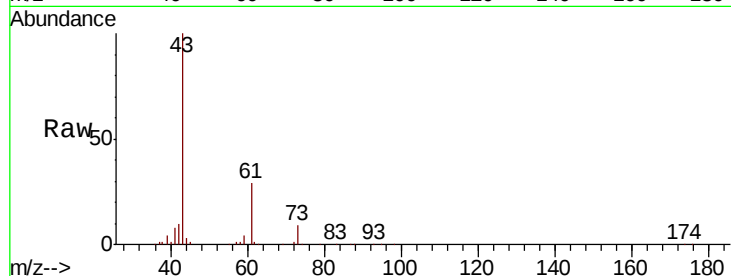
#43
Isopropyl Acetate
Concen: 54.769 ug/l
RT: 8.32 min Scan# 721
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	21.8	32.8
87	0.3	0.2	0.4

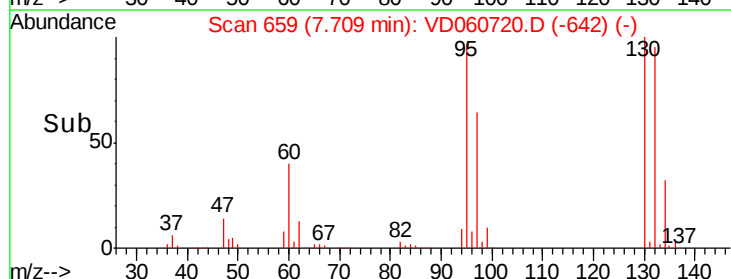
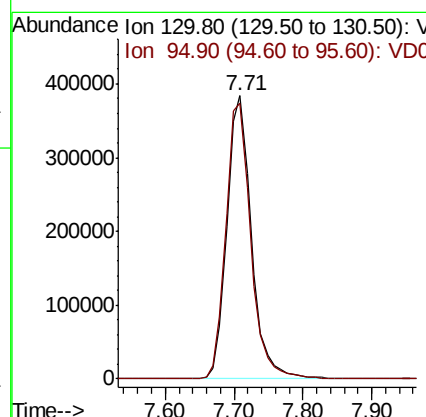
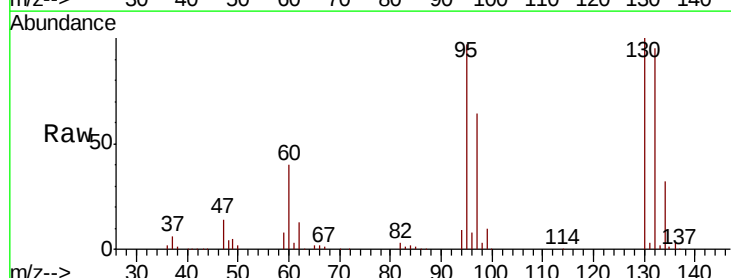
Manual Integrations
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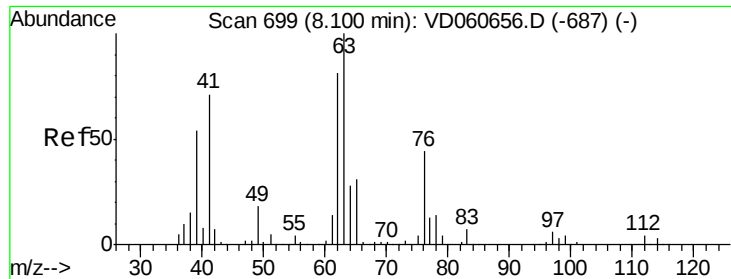
apatel
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#44
Trichloroethene
Concen: 55.839 ug/l
RT: 7.71 min Scan# 659
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	193.6





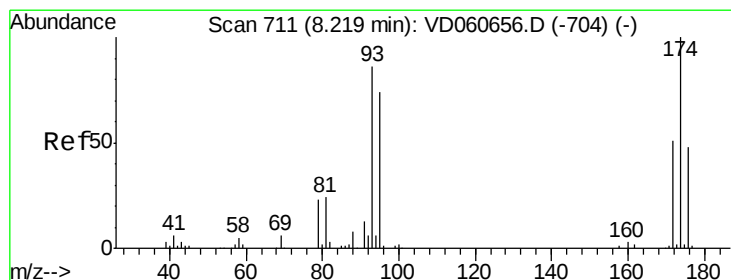
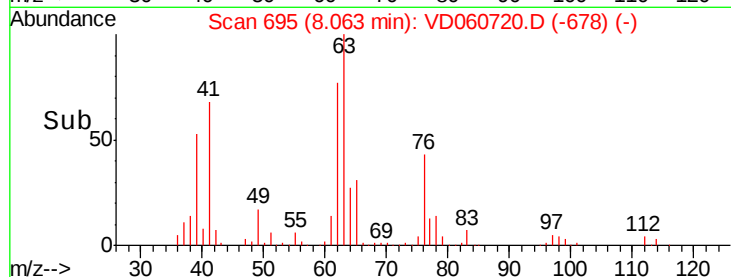
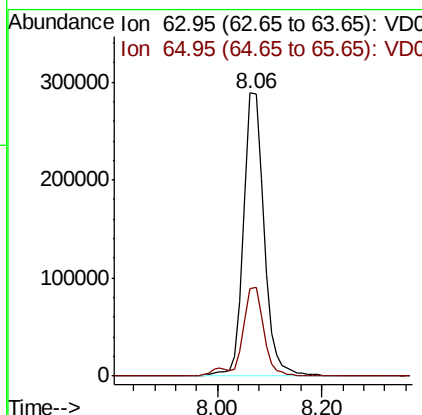
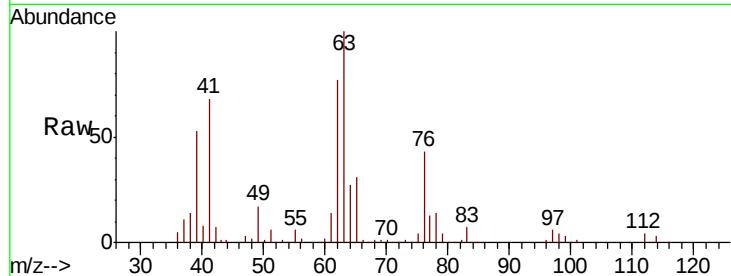
#45
 1,2-Dichloropropane
 Concen: 54.267 ug/l
 RT: 8.06 min Scan# 695
 Delta R.T. -0.04 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 760905
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

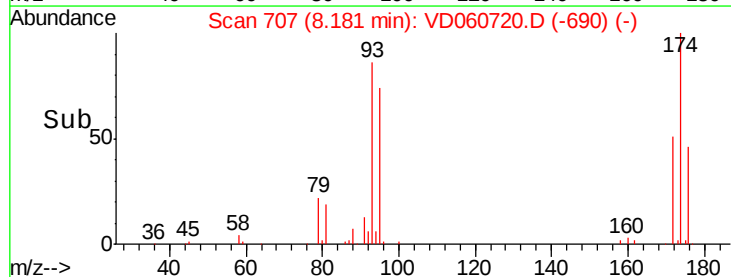
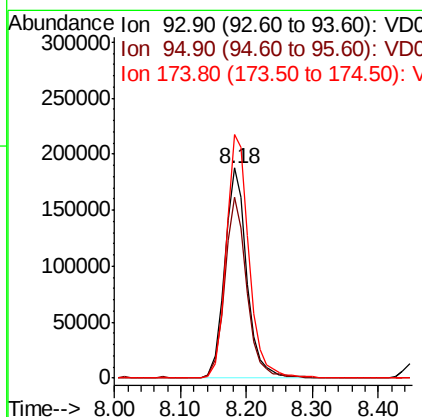
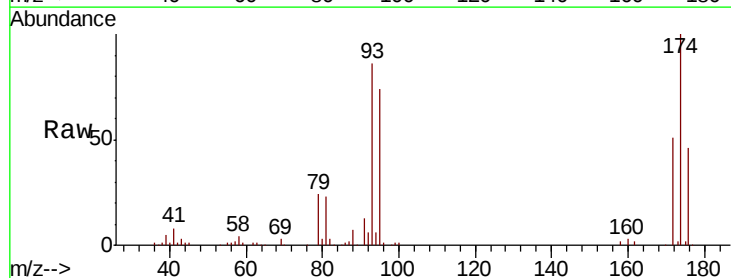
Manual Integrations
 APPROVED

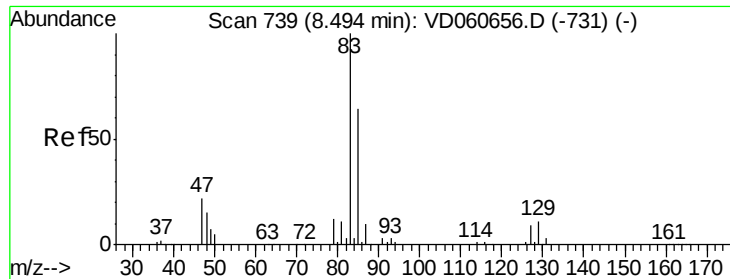
apatel
 12/28/2018 9:47:02 AM



#46
 Dibromomethane
 Concen: 55.103 ug/l
 RT: 8.18 min Scan# 707
 Delta R.T. -0.04 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion: 93 Resp: 440970
 Ion Ratio Lower Upper
 93 100
 95 86.3 68.8 103.2
 174 115.8 93.0 139.4





#47

Bromodichloromethane

Concen: 56.563 ug/l

RT: 8.46 min Scan# 735

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1072113

Ion Ratio Lower Upper

83 100

85 64.9 51.1 76.7

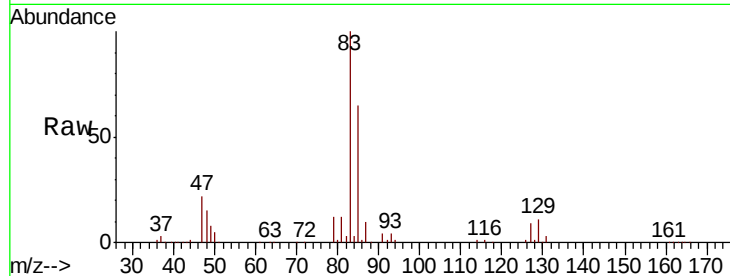
127 8.5 7.0 10.6

Manual Integrations

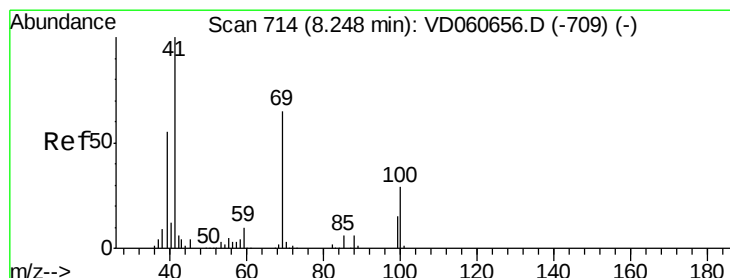
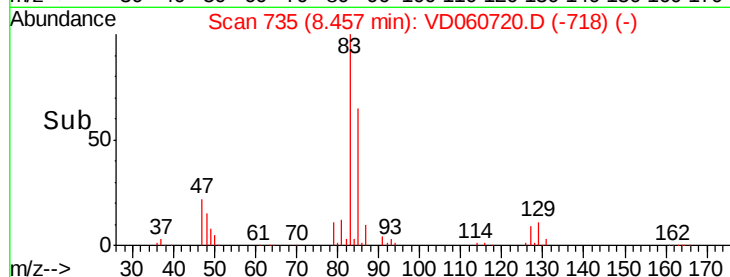
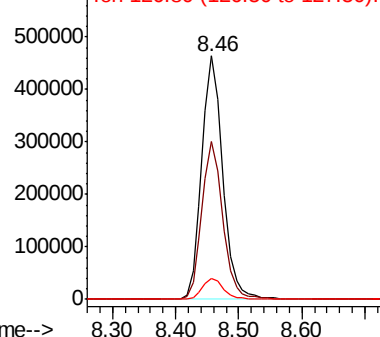
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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 55.997 ug/l

RT: 8.21 min Scan# 710

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

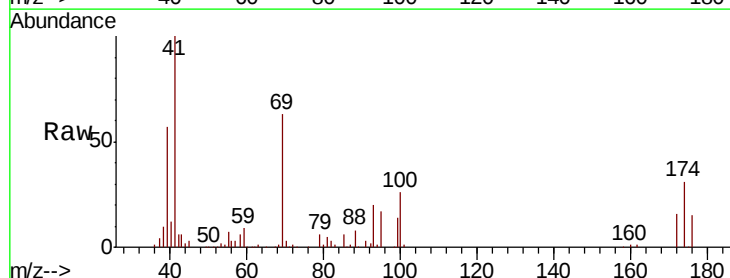
Tgt Ion: 41 Resp: 404033

Ion Ratio Lower Upper

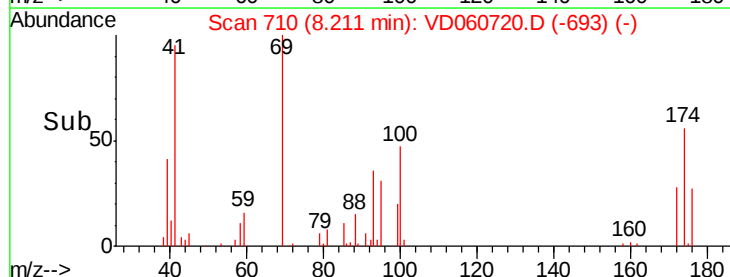
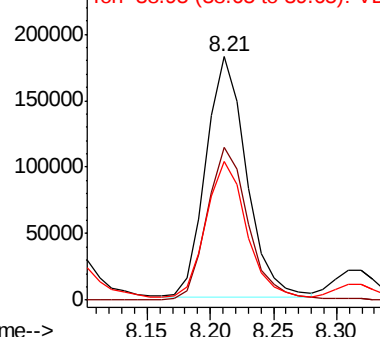
41 100

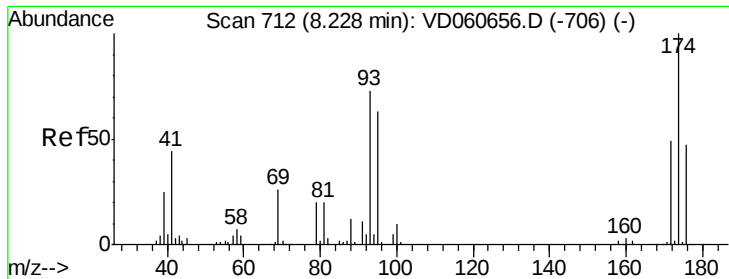
69 62.7 51.2 76.8

39 56.8 44.6 67.0



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





#49

1,4-Dioxane

Concen: 1123.838 ug/l

RT: 8.20 min Scan# 709

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 75395

Ion Ratio Lower Upper

88 100

43 52.7 31.5 47.3#

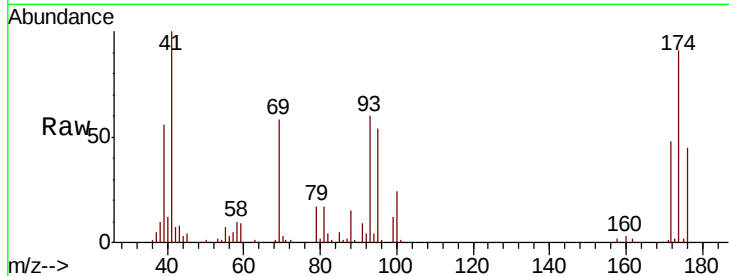
58 64.3 50.6 76.0

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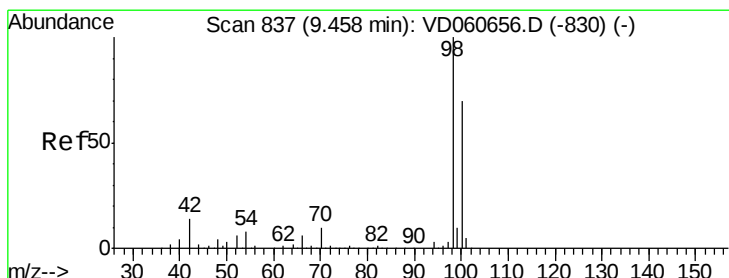
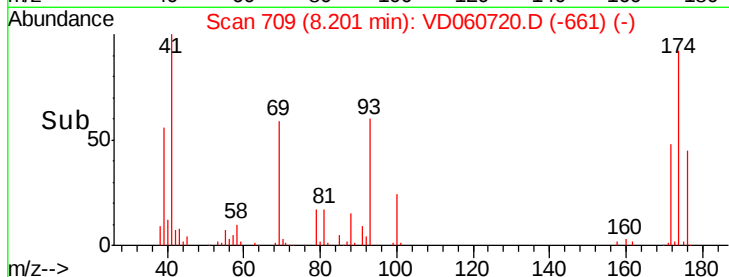
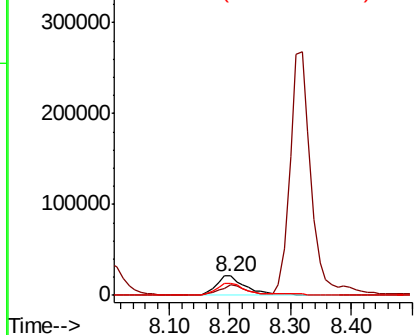
12/28/2018 9:47:02 AM



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1123.838 ug/l

RT: 9.42 min Scan# 833

Delta R.T. -0.04 min

Lab File: VD060720.D

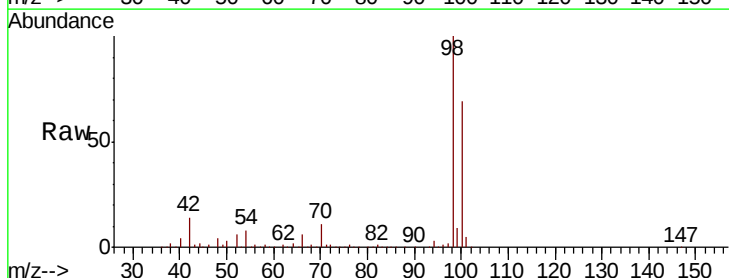
Acq: 27 Dec 2018 11:53

Tgt Ion: 98 Resp: 2541033

Ion Ratio Lower Upper

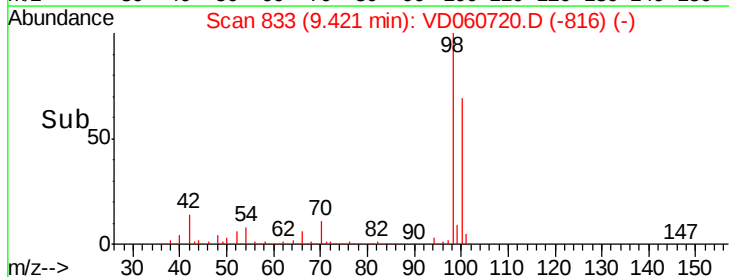
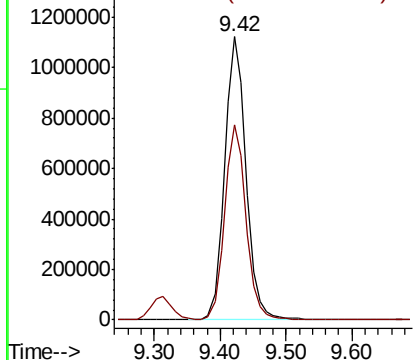
98 100

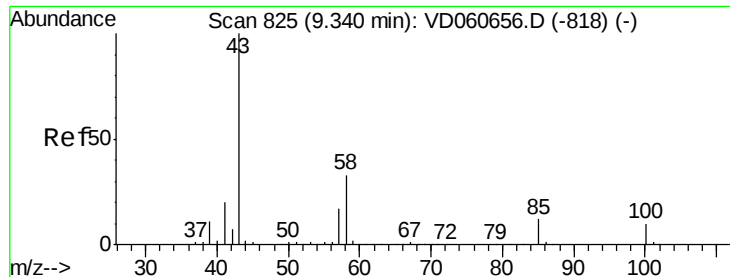
100 69.0 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 275.425 ug/l

RT: 9.31 min Scan# 822

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2004634

Ion Ratio Lower Upper

43 100

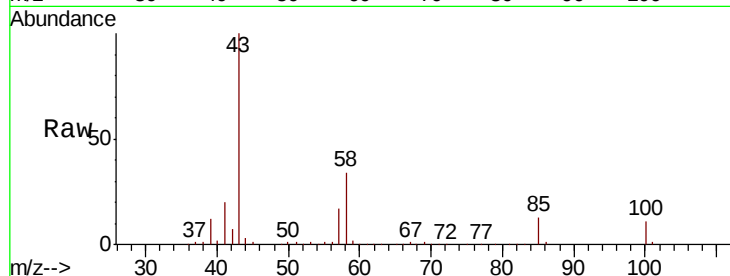
58 34.1 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.31

800000

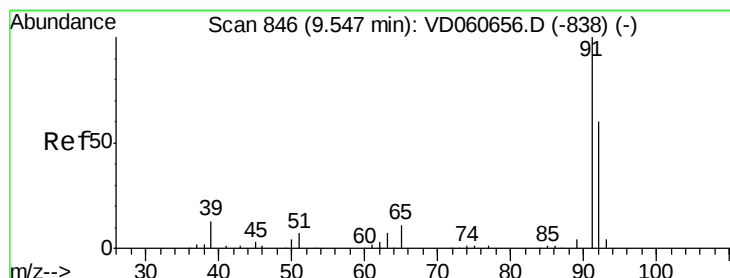
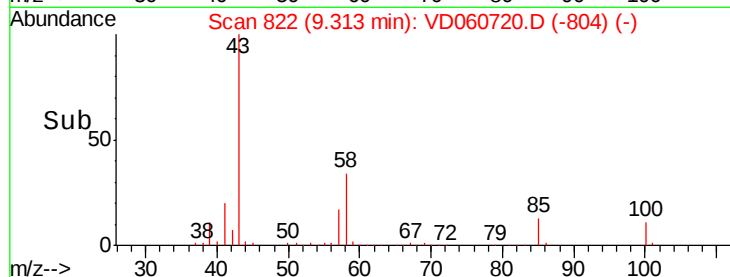
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 54.480 ug/l

RT: 9.52 min Scan# 843

Delta R.T. -0.03 min

Lab File: VD060720.D

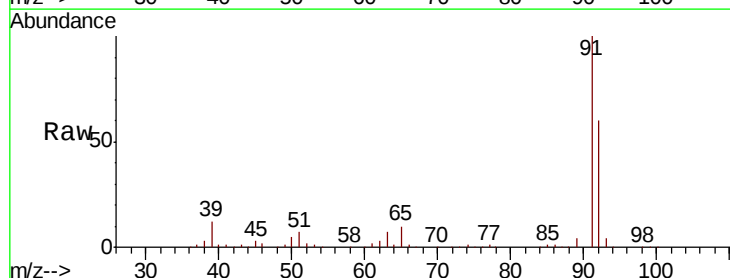
Acq: 27 Dec 2018 11:53

Tgt Ion: 92 Resp: 1952716

Ion Ratio Lower Upper

92 100

91 165.8 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.52

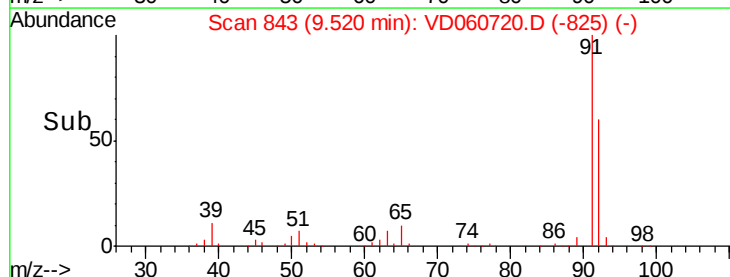
1500000

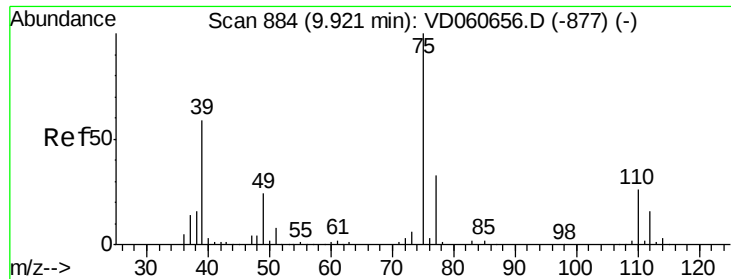
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 56.021 ug/l

RT: 9.88 min Scan# 880

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 885862

Ion Ratio Lower Upper

75 100

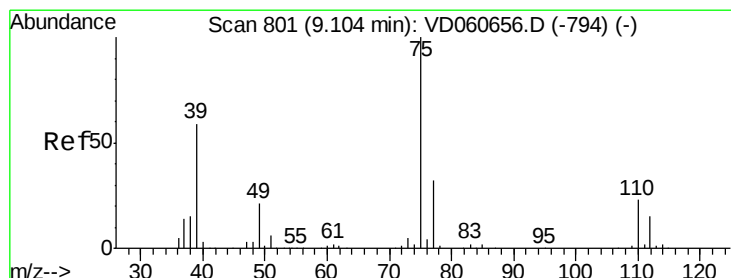
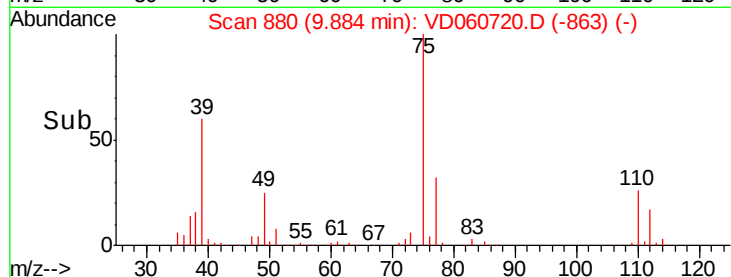
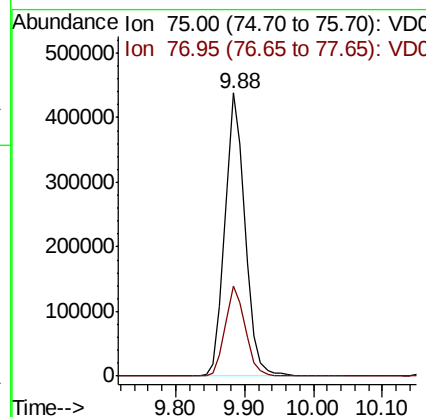
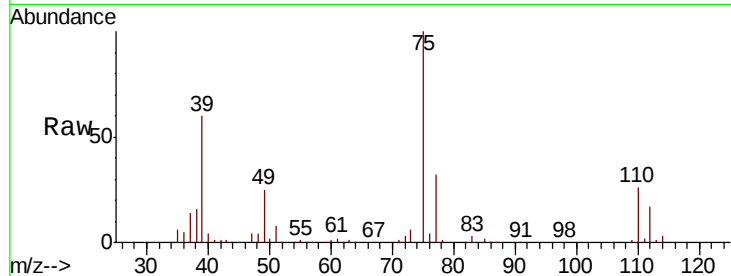
77 32.0 26.0 39.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 55.698 ug/l

RT: 9.07 min Scan# 797

Delta R.T. -0.04 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

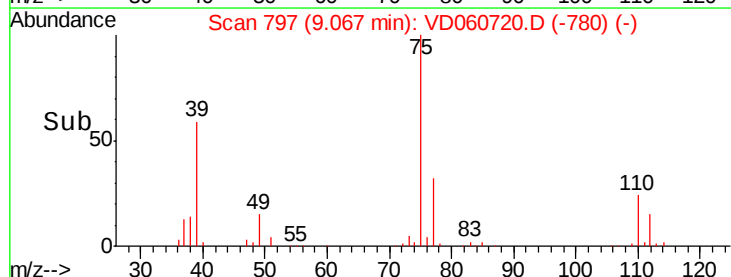
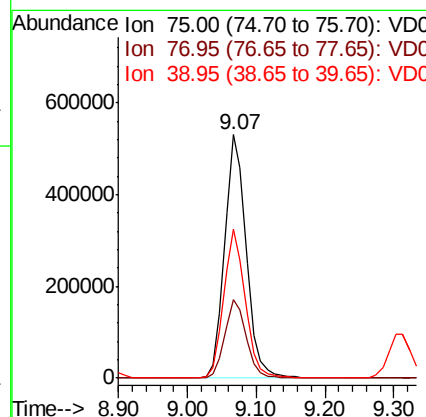
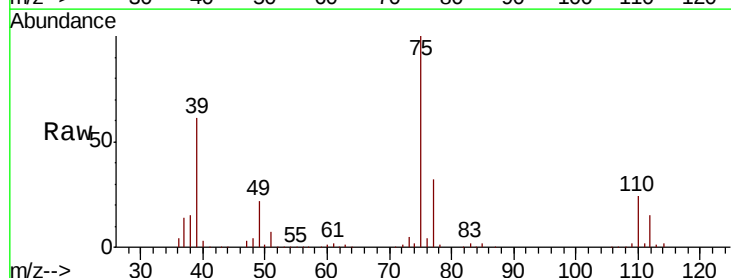
Tgt Ion: 75 Resp: 1152824

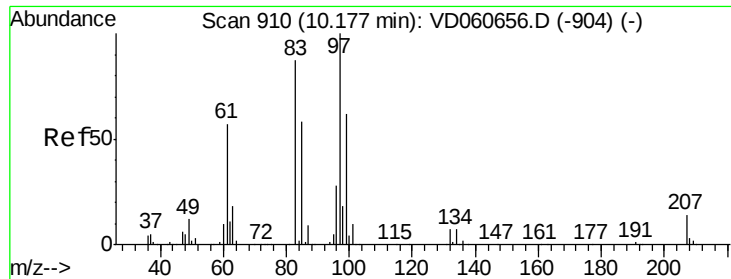
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2

39 60.9 47.0 70.4





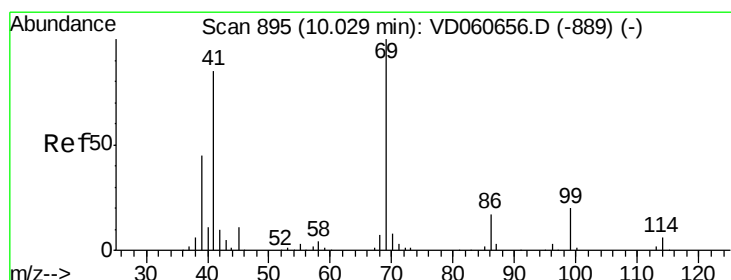
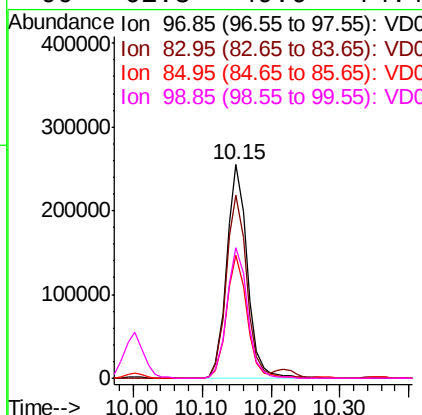
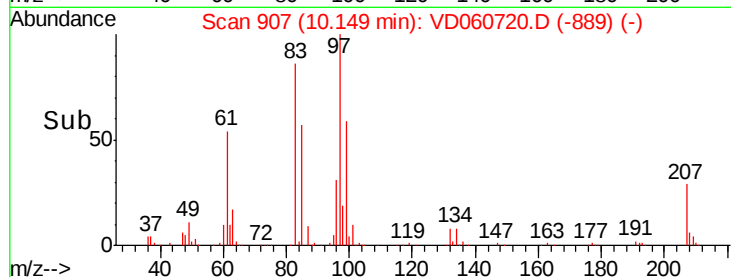
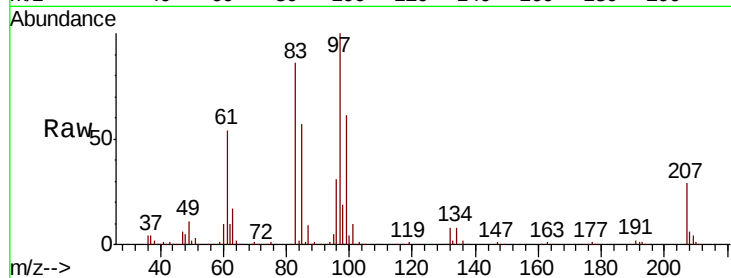
#55
 1,1,2-Trichloroethane
 Concen: 54.747 ug/l
 RT: 10.15 min Scan# 907
 Delta R.T. -0.03 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		527969		
83	85.8	70.0	105.0		
85	57.3	46.6	70.0		
99	61.3	49.6	74.4		

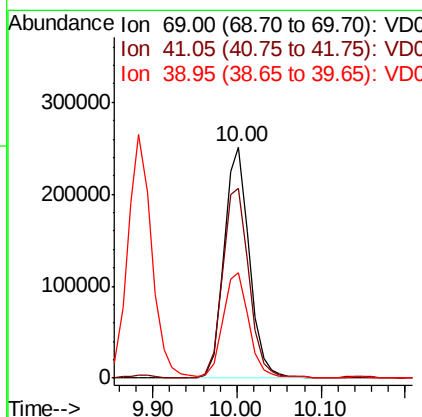
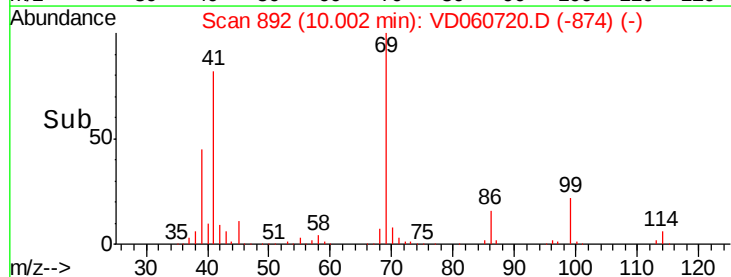
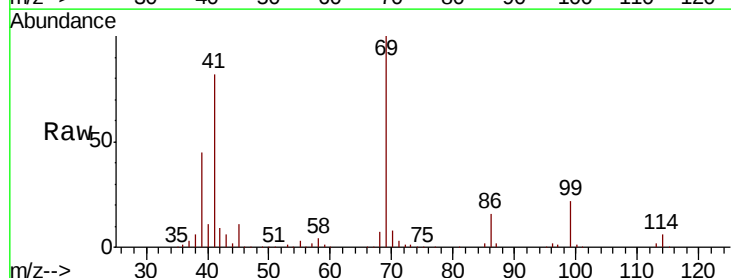
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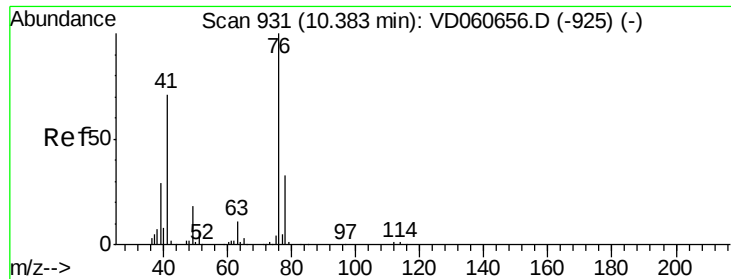
apatel
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#56
 Ethyl methacrylate
 Concen: 58.117 ug/l
 RT: 10.00 min Scan# 892
 Delta R.T. -0.03 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		520579		
41	82.5	68.3	102.5		
39	45.4	37.2	55.8		





#57

1,3-Dichloropropane

Concen: 54.976 ug/l

RT: 10.36 min Scan# 928

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 840362

Ion Ratio Lower Upper

76 100

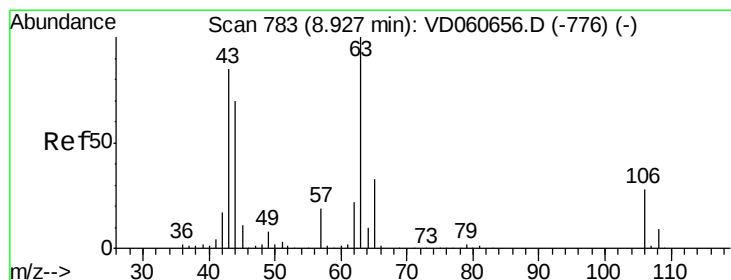
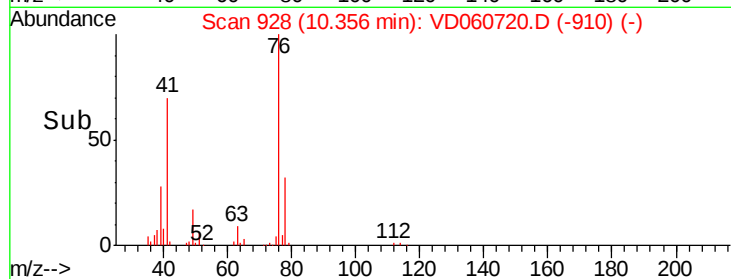
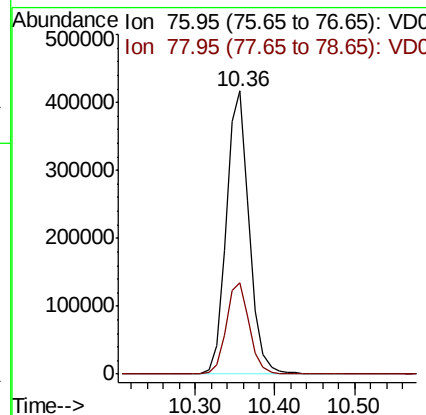
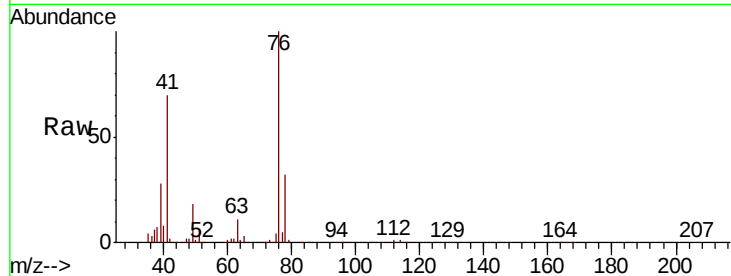
78 32.3 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 254.493 ug/l

RT: 8.89 min Scan# 779

Delta R.T. -0.04 min

Lab File: VD060720.D

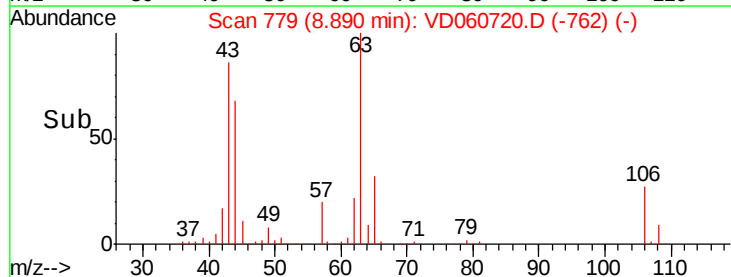
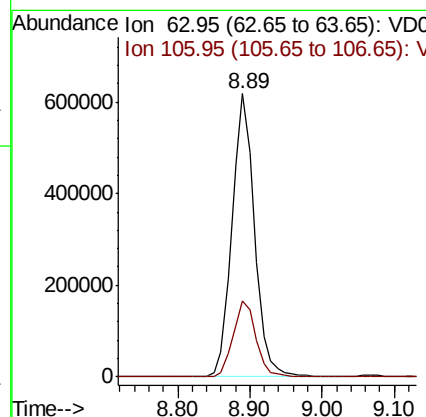
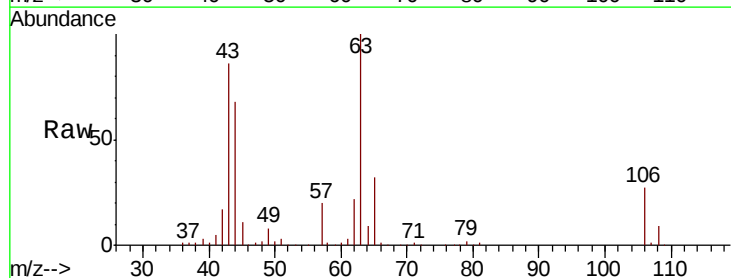
Acq: 27 Dec 2018 11:53

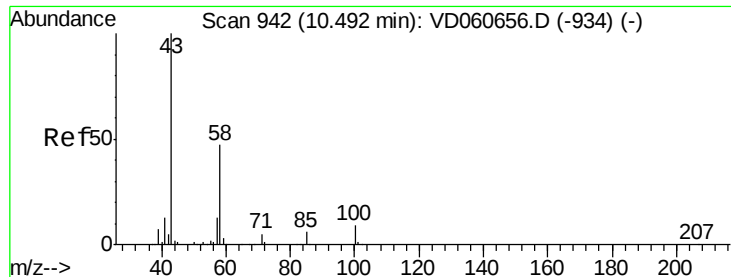
Tgt Ion: 63 Resp: 1343196

Ion Ratio Lower Upper

63 100

106 26.9 22.4 33.6





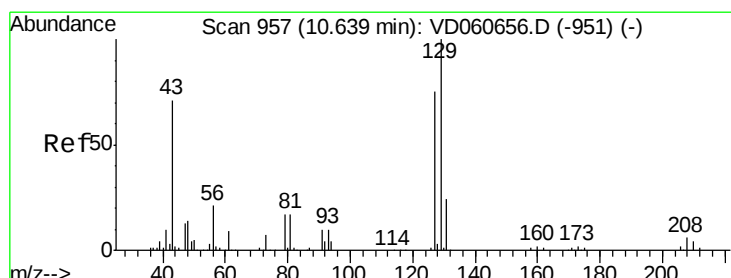
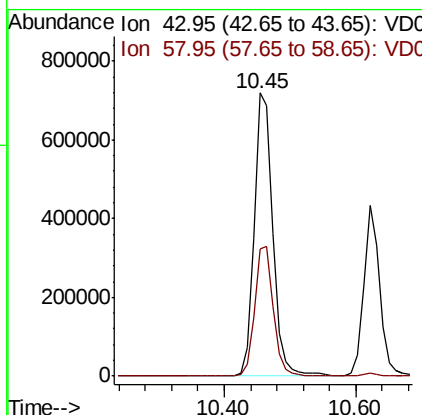
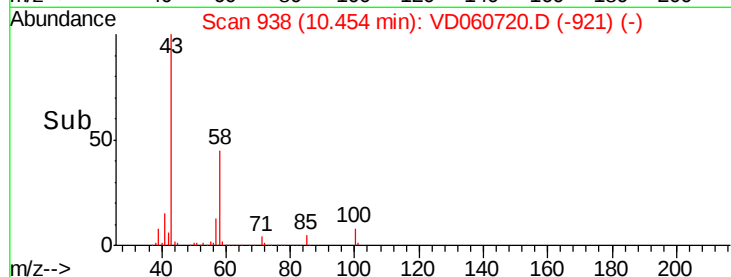
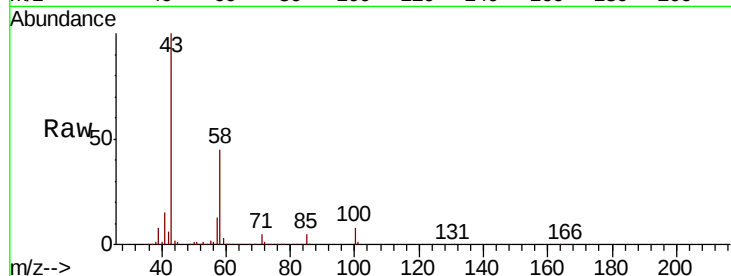
#59
2-Hexanone
Concen: 279.048 ug/l
RT: 10.45 min Scan# 938
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1421628
Ion Ratio Lower Upper
43 100
58 44.8 23.5 70.5

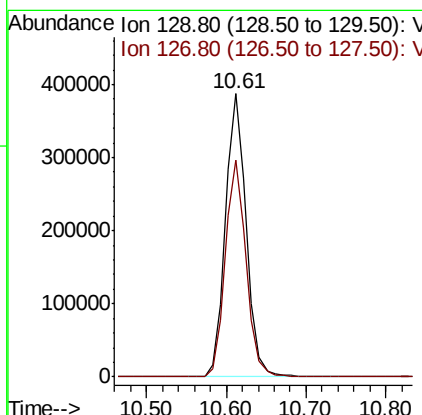
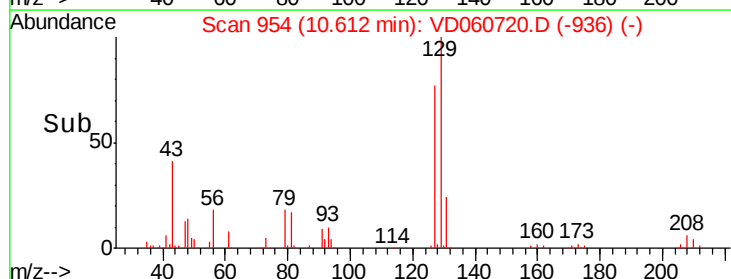
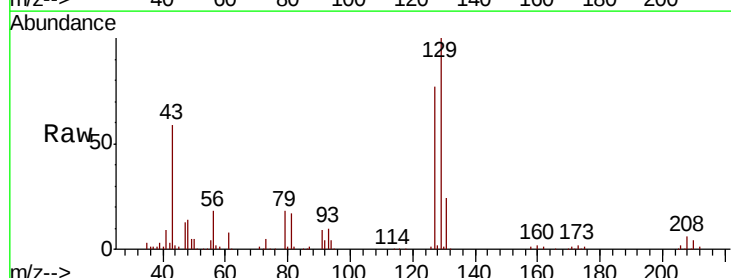
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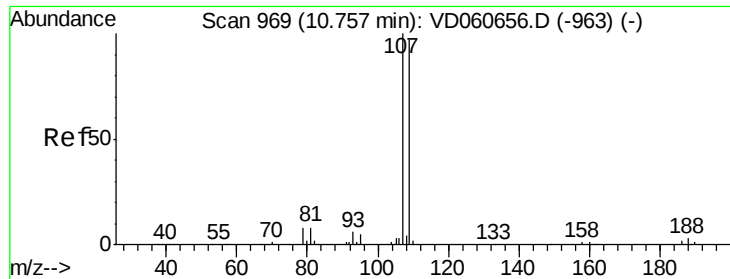
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#60
Dibromochloromethane
Concen: 58.048 ug/l
RT: 10.61 min Scan# 954
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 129 Resp: 713055
Ion Ratio Lower Upper
129 100
127 76.8 37.6 112.9





#61

1,2-Dibromoethane

Concen: 56.384 ug/l

RT: 10.73 min Scan# 966

Delta R.T. -0.03 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 564003

Ion Ratio Lower Upper

107 100

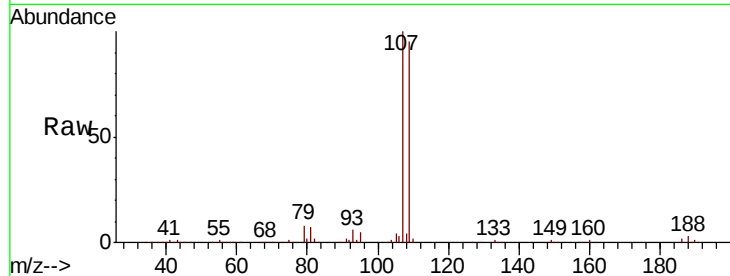
109 94.9 78.0 117.0

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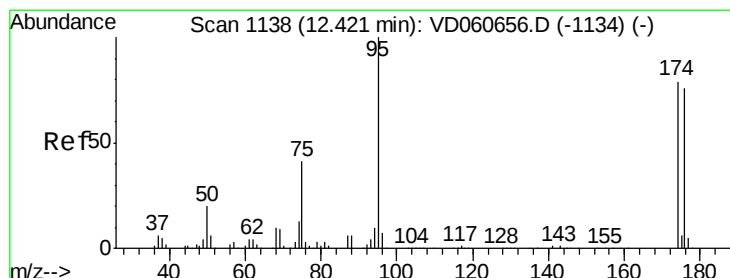
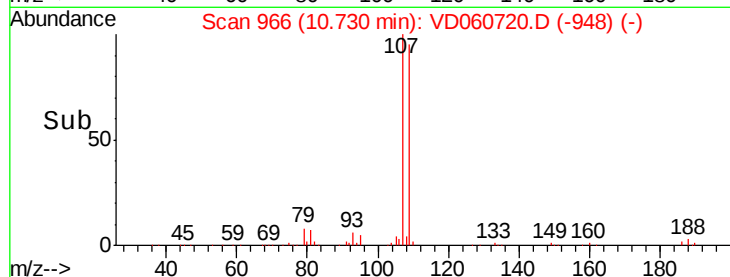
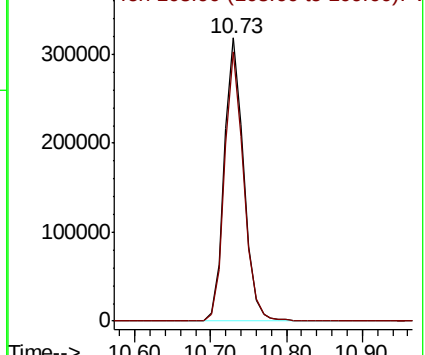
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 56.384 ug/l

RT: 12.40 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

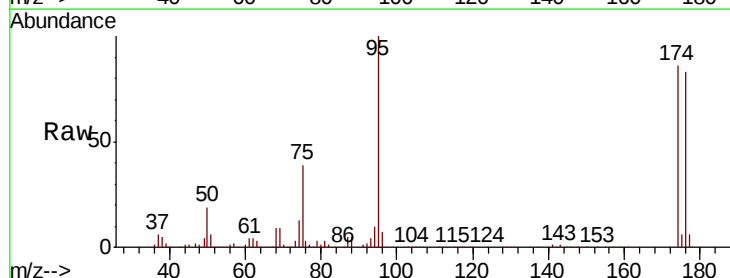
Tgt Ion: 95 Resp: 906632

Ion Ratio Lower Upper

95 100

174 85.8 0.0 158.2

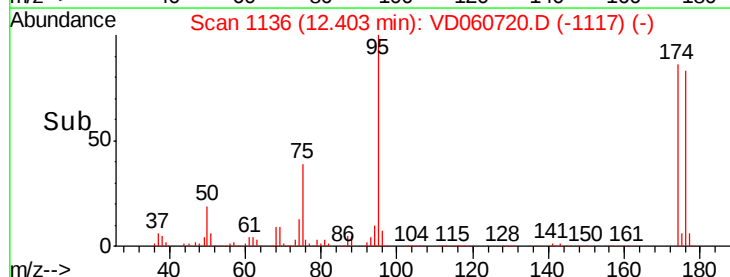
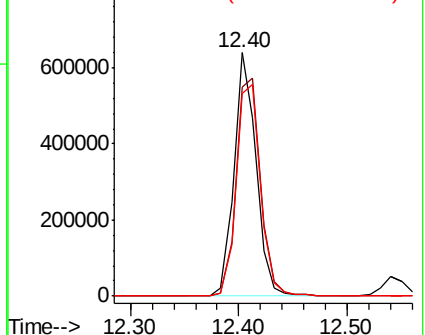
176 83.4 0.0 152.4

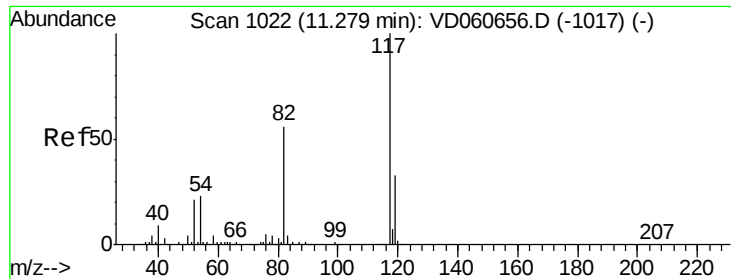


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





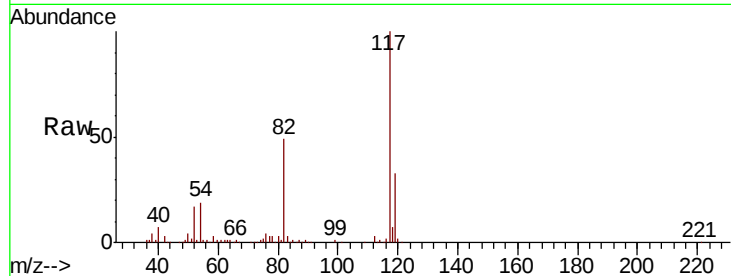
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 1020
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.4	44.5	66.7
119	33.3	26.3	39.5

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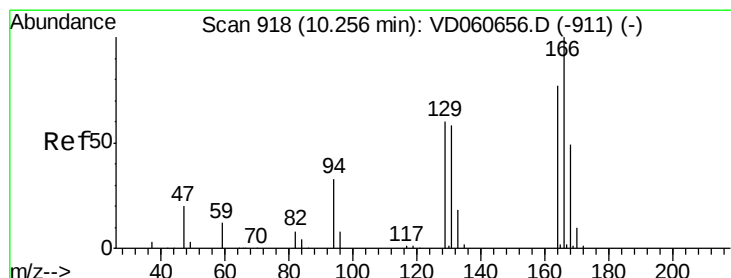
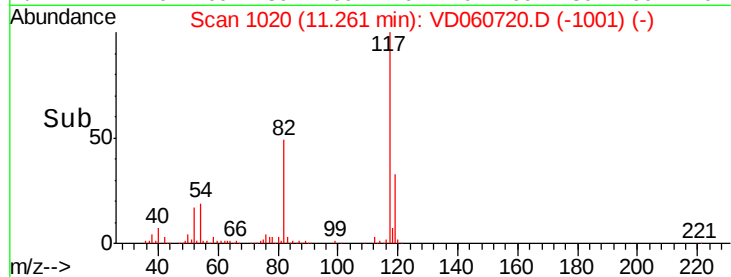
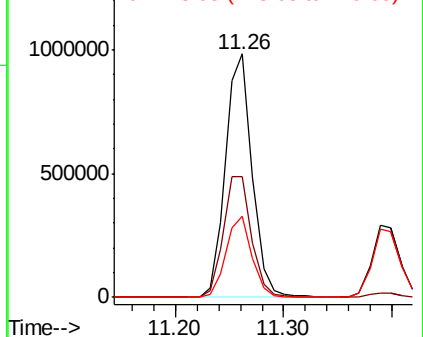


Abundance

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: 57.843 ug/l
RT: 10.22 min Scan# 914
Delta R.T. -0.04 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	104.4	156.6
129	81.5	62.7	94.1
131	77.8	61.1	91.7

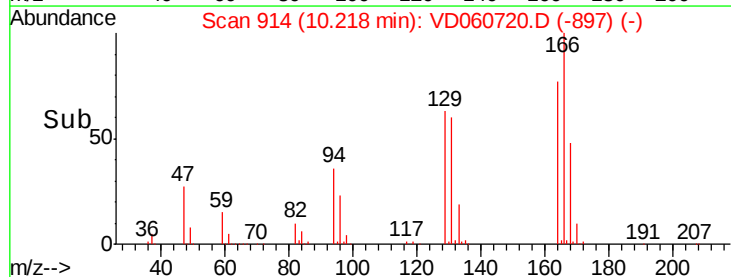
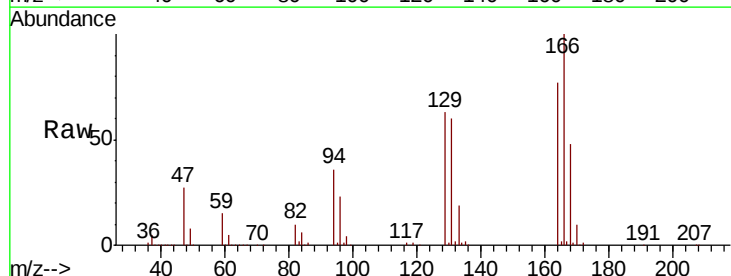
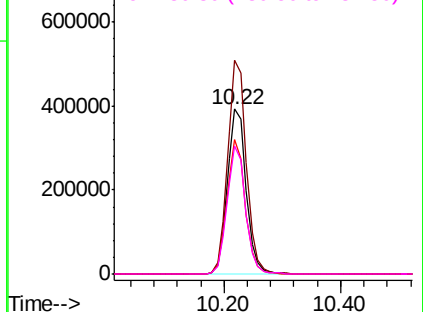
Abundance

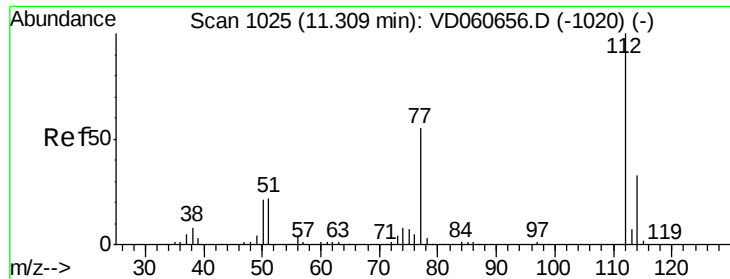
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





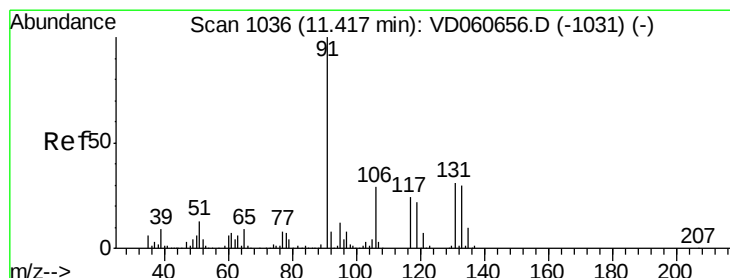
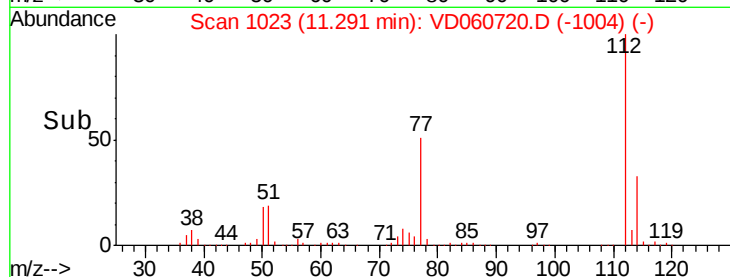
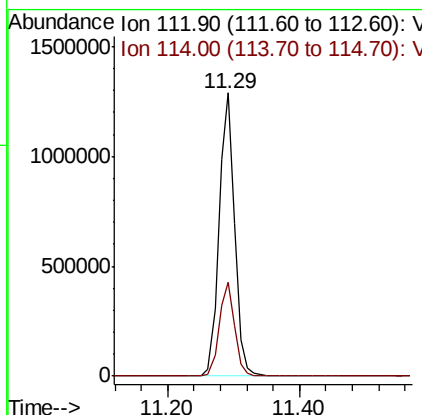
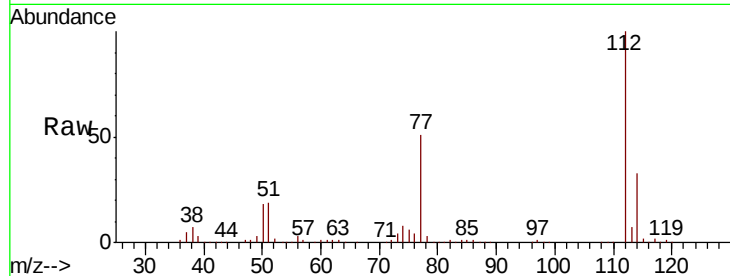
#65
Chlorobenzene
Concen: 56.663 ug/l
RT: 11.29 min Scan# 1023
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2100975
Ion Ratio Lower Upper
112 100
114 33.0 26.1 39.1

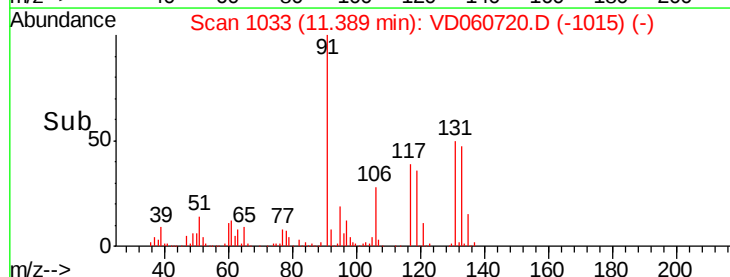
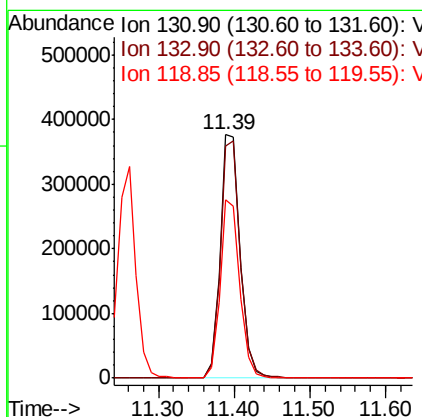
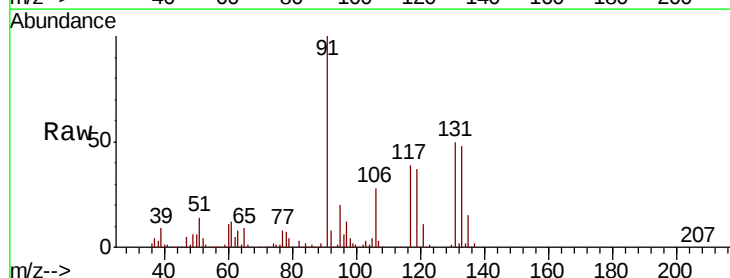
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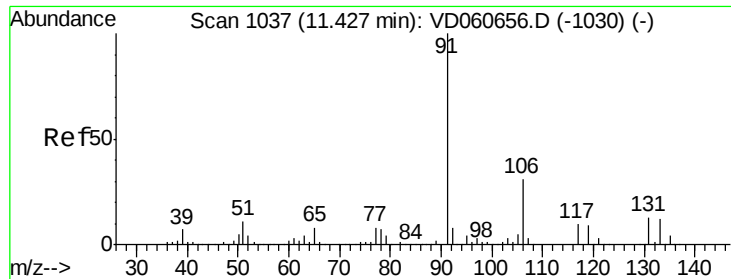
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.926 ug/l
RT: 11.39 min Scan# 1033
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion:131 Resp: 690580
Ion Ratio Lower Upper
131 100
133 95.4 49.1 147.3
119 73.1 36.6 109.8





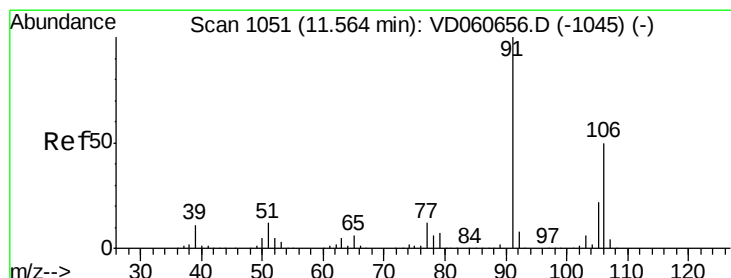
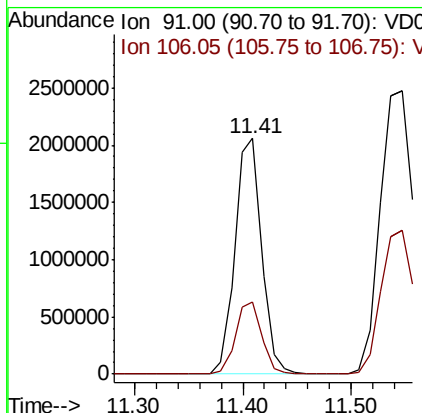
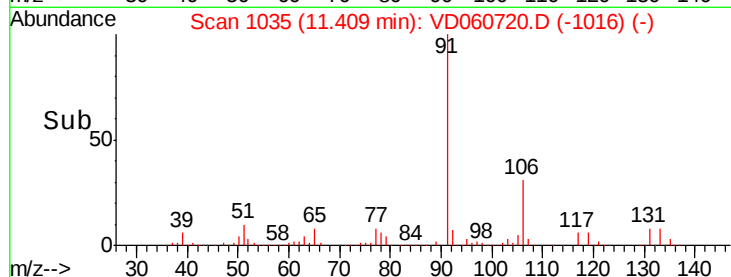
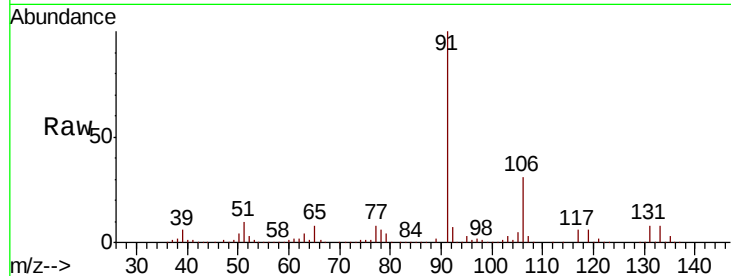
#67
Ethyl Benzene
Concen: 55.437 ug/l
RT: 11.41 min Scan# 1035
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 3520276
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8

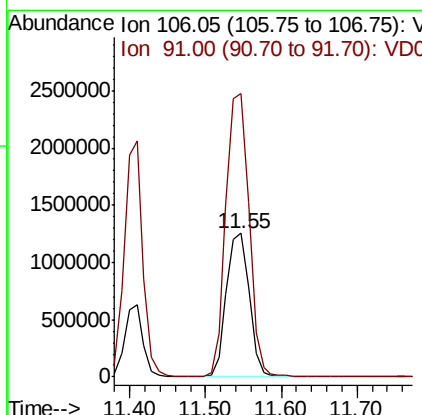
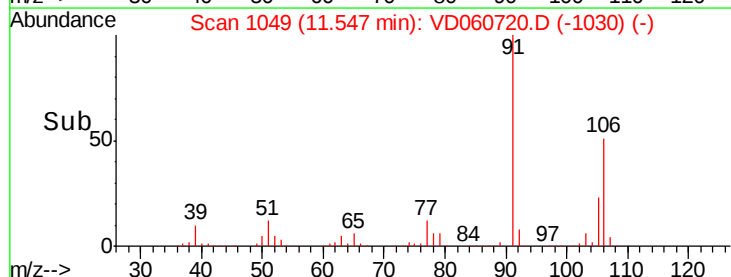
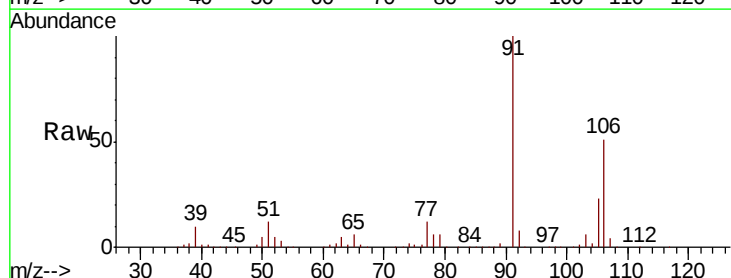
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#68
m/p-Xylenes
Concen: 112.351 ug/l
RT: 11.55 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 106 Resp: 2607280
Ion Ratio Lower Upper
106 100
91 197.5 158.9 238.3





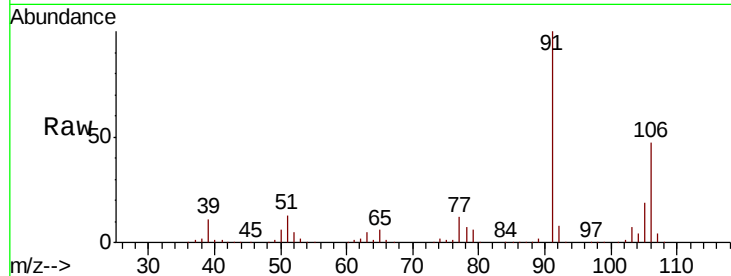
#69
o-Xylene
Concen: 57.389 ug/l
RT: 11.91 min Scan# 1086
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

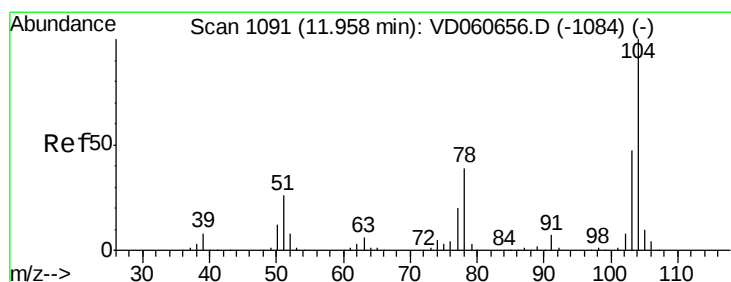
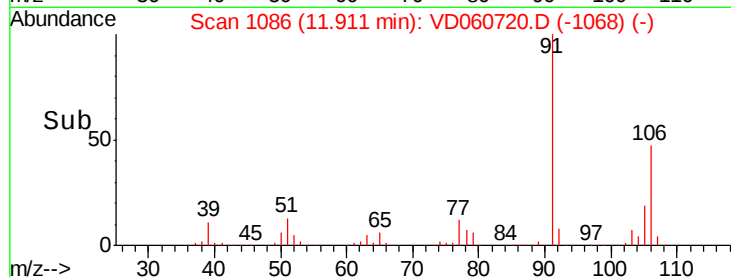
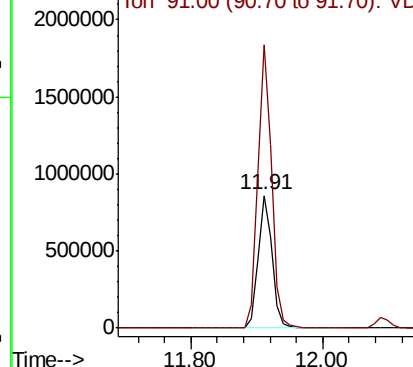
Tot Ion:106 Resp: 1263510
Ion Ratio Lower Upper
106 100
91 213.9 101.5 304.5

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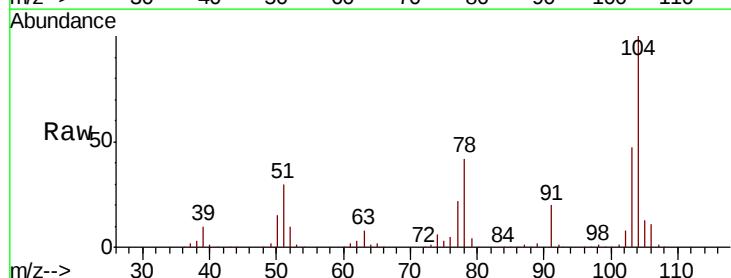


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

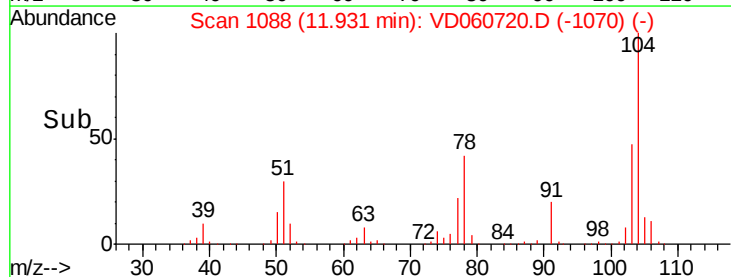
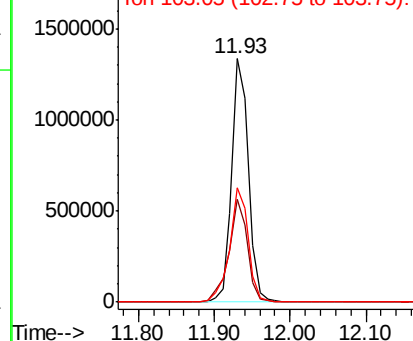


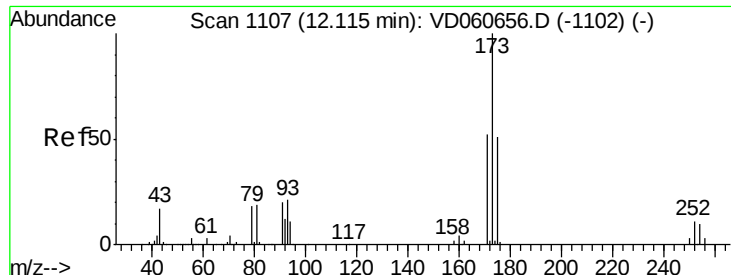
#70
Styrene
Concen: 57.336 ug/l
RT: 11.93 min Scan# 1088
Delta R.T. -0.03 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion:104 Resp: 2033108
Ion Ratio Lower Upper
104 100
78 42.1 31.4 47.2
103 47.2 37.5 56.3



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





#71

Bromoform

Concen: 61.362 ug/l

RT: 12.10 min Scan# 1105

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

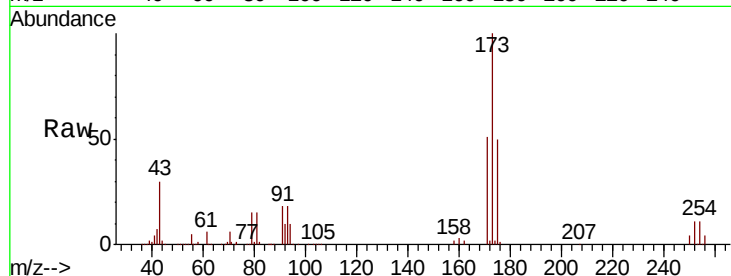
ClientSampleId :

VSTDCCC050

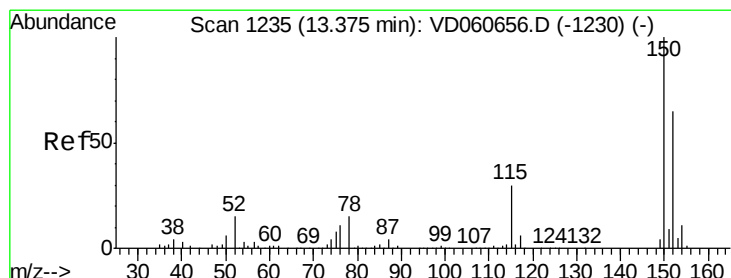
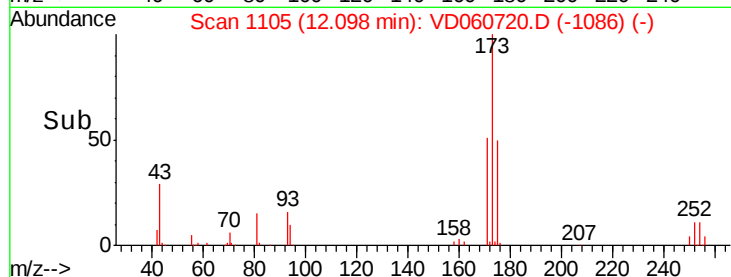
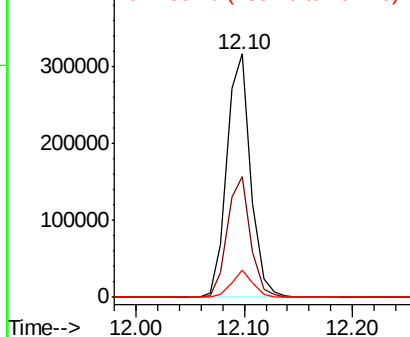
Tot Ion:	173	Resp:	482889
Ion Ratio	Lower	Upper	
173	100		
175	49.7	25.5	76.5
254	11.2	7.9	11.9

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

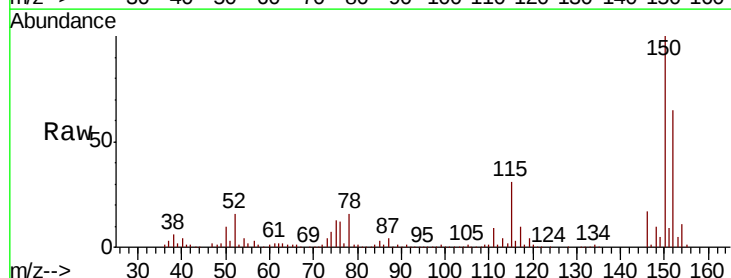
RT: 13.36 min Scan# 1233

Delta R.T. -0.02 min

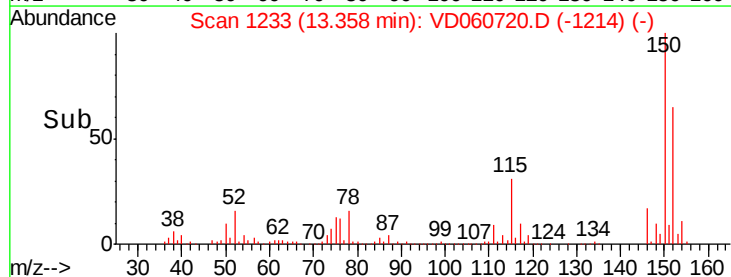
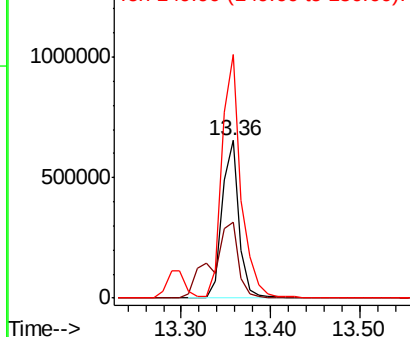
Lab File: VD060720.D

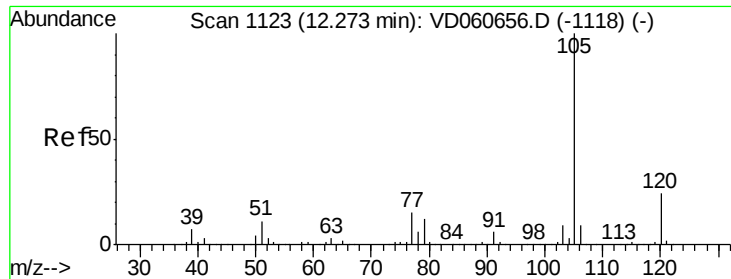
Acq: 27 Dec 2018 11:53

Tgt Ion:	152	Resp:	879963
Ion Ratio	Lower	Upper	
152	100		
115	48.4	24.1	72.3
150	154.4	0.0	315.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





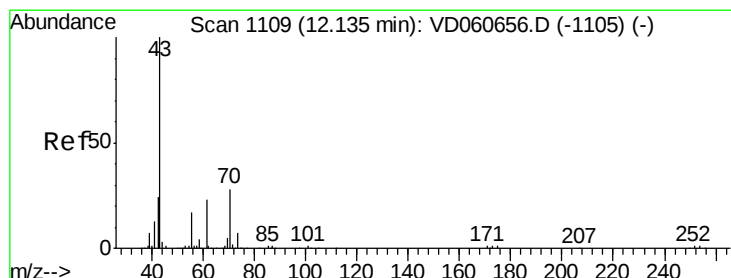
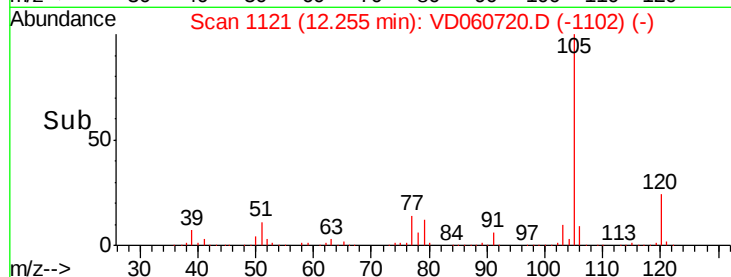
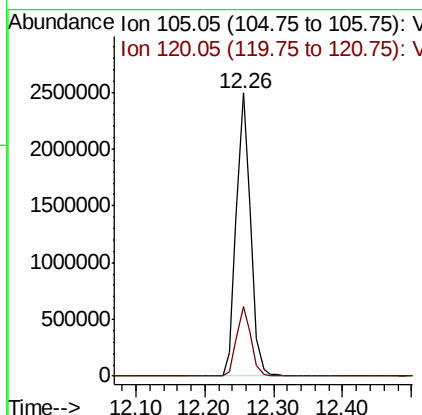
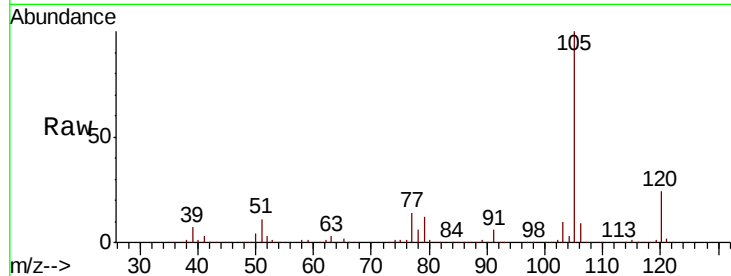
#73
Isopropylbenzene
Concen: 57.080 ug/l
RT: 12.26 min Scan# 1121
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 3576189
Ion Ratio Lower Upper
105 100
120 24.5 12.2 36.4

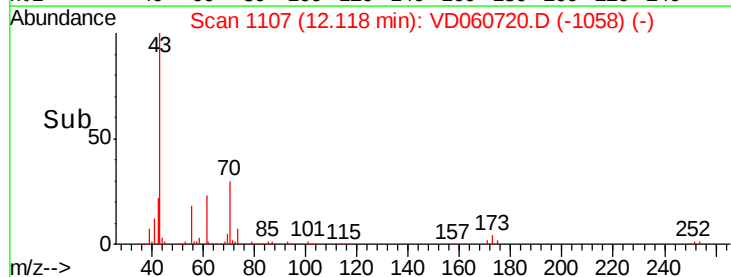
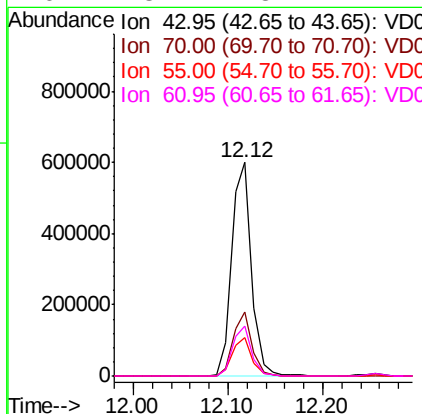
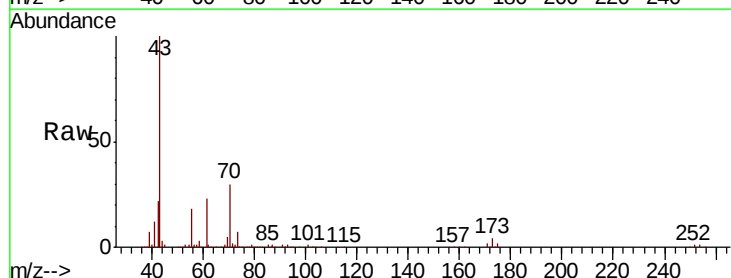
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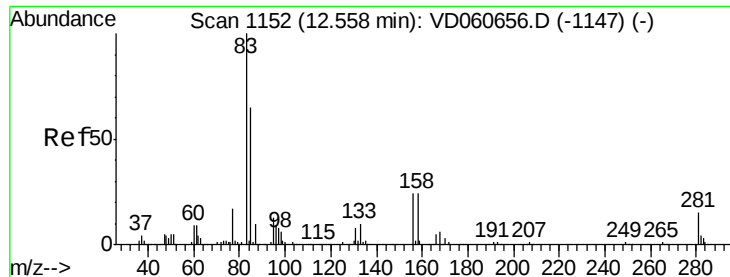
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#74
N-ethyl acetate
Concen: 58.601 ug/l
RT: 12.12 min Scan# 1107
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 43 Resp: 866513
Ion Ratio Lower Upper
43 100
70 29.9 22.2 33.2
55 17.7 13.8 20.8
61 23.4 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 56.407 ug/l

RT: 12.54 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 572823

Ion Ratio Lower Upper

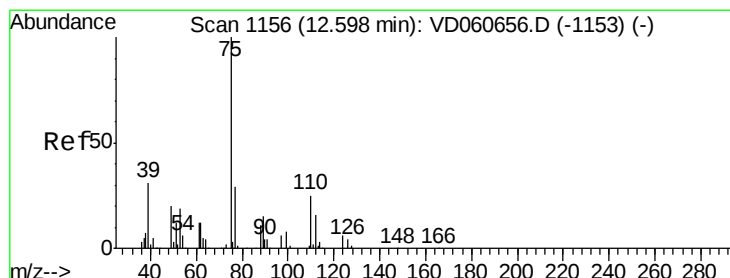
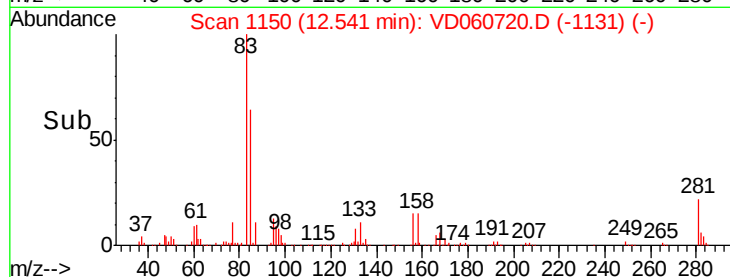
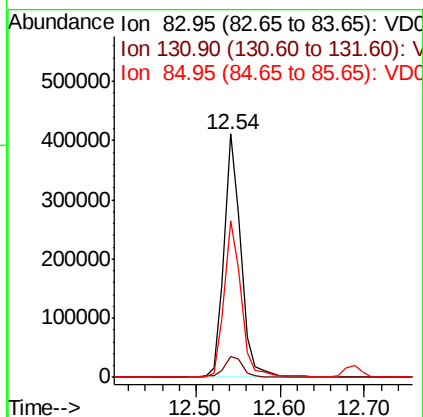
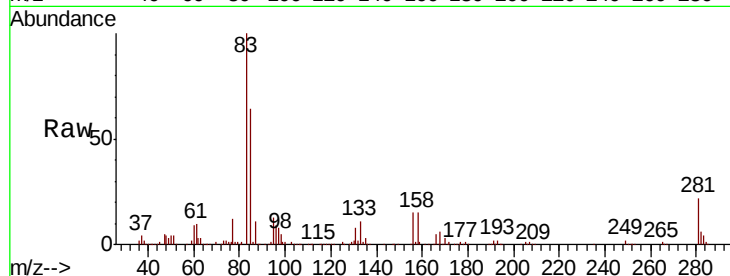
83 100

131 8.4 4.2 12.4

85 64.3 32.6 97.7

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#76

1,2,3-Trichloropropane

Concen: 57.041 ug/l

RT: 12.58 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VD060720.D

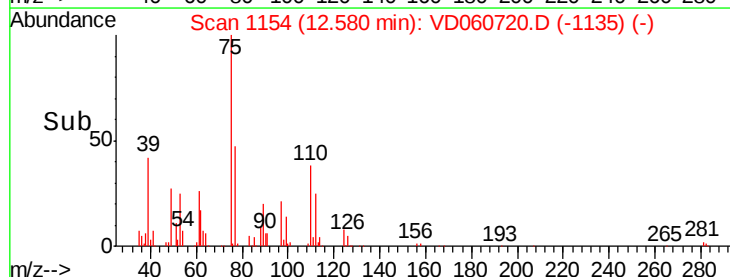
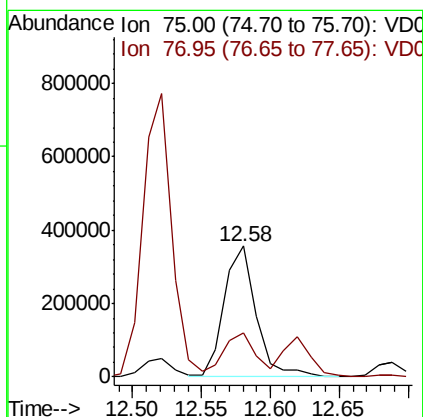
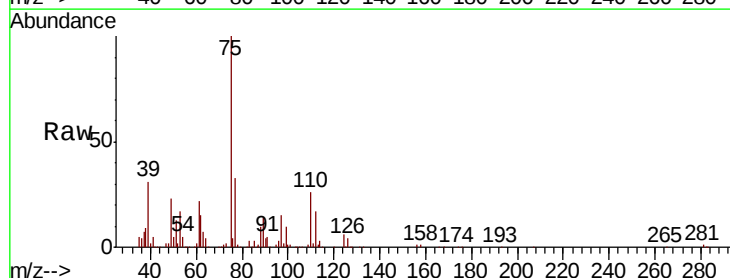
Acq: 27 Dec 2018 11:53

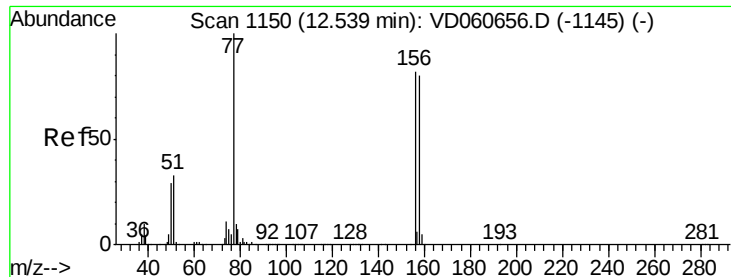
Tgt Ion: 75 Resp: 571453

Ion Ratio Lower Upper

75 100

77 33.2 16.7 50.0





#77

Bromobenzene

Concen: 57.461 ug/l

RT: 12.52 min Scan# 1148

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

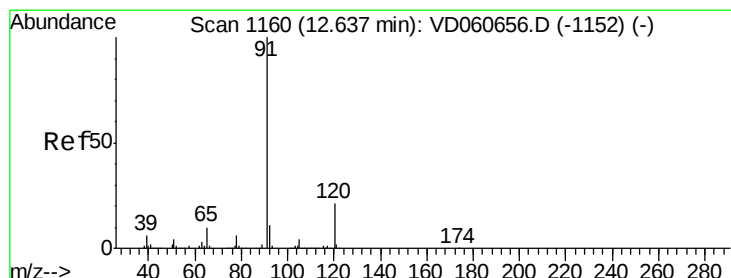
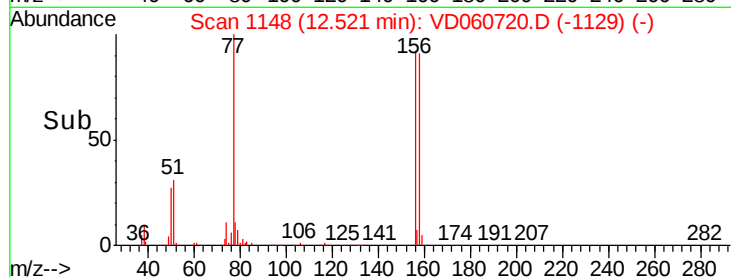
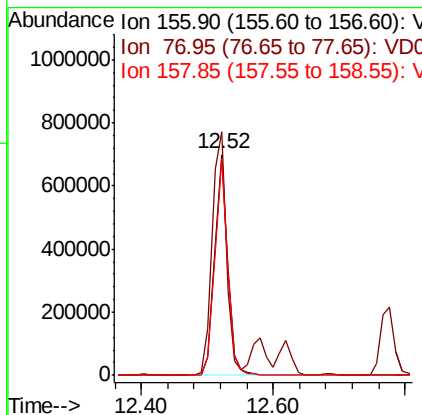
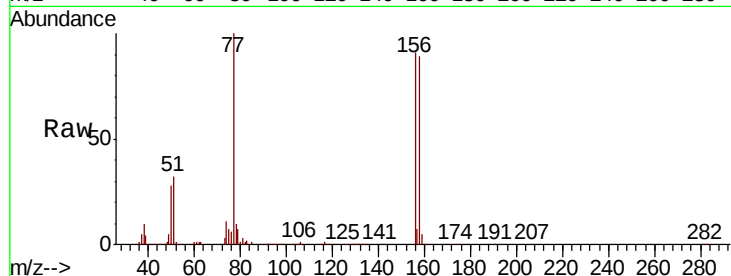
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	110.2	61.3	183.9	
158	98.3	48.9	146.6	

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#78

n-propylbenzene

Concen: 55.090 ug/l

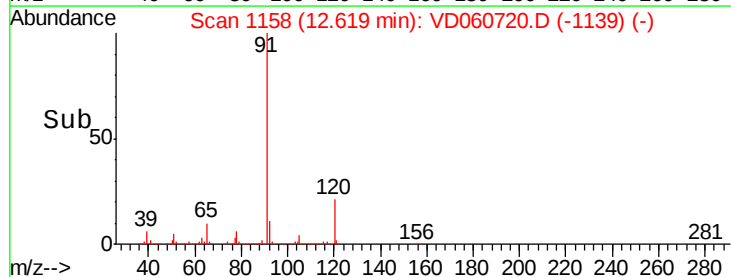
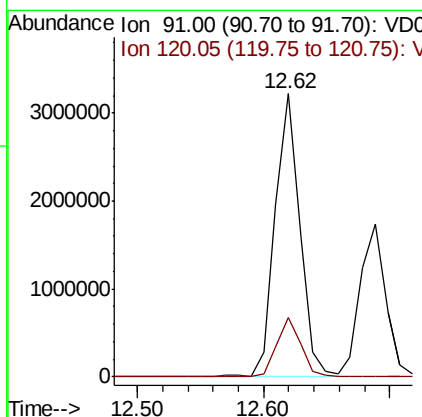
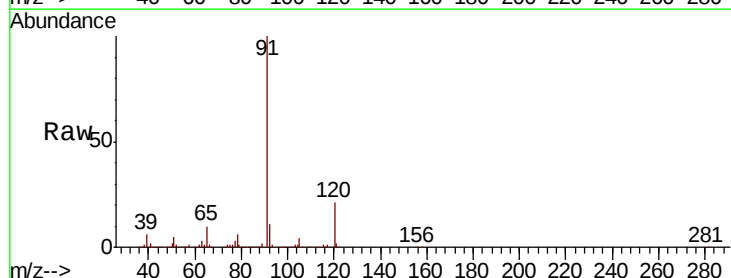
RT: 12.62 min Scan# 1158

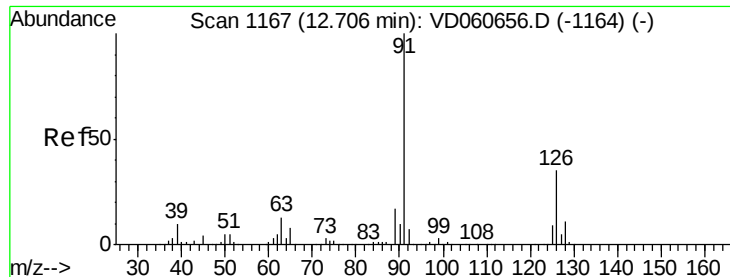
Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.1	10.4	31.2	





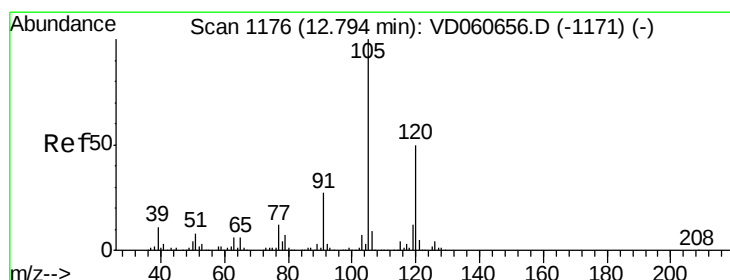
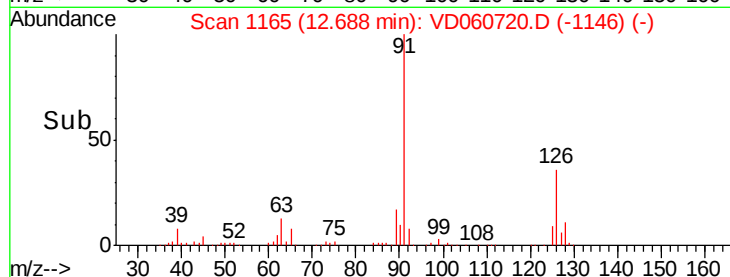
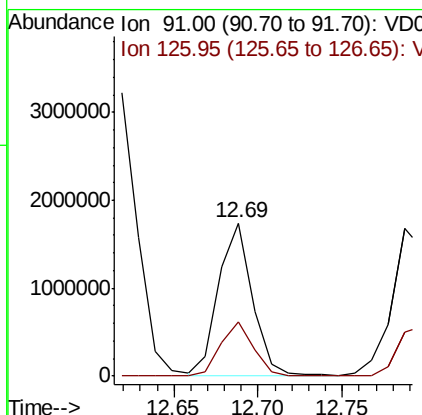
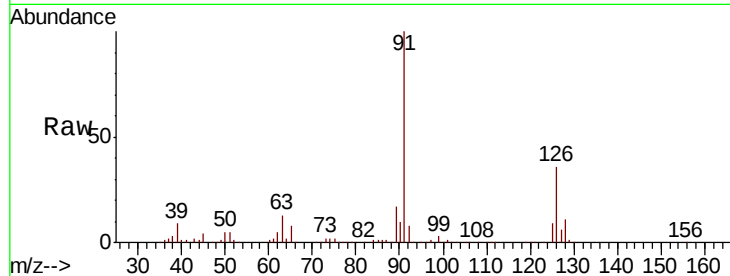
#79
2-Chlorotoluene
Concen: 56.652 ug/l
RT: 12.69 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2430391
Ion Ratio Lower Upper
91 100
126 35.7 17.2 51.5

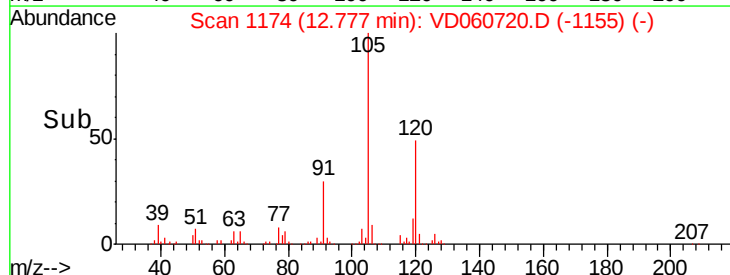
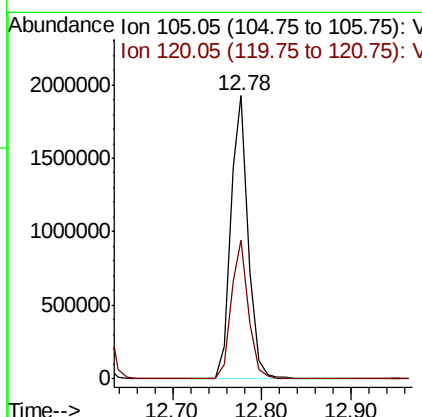
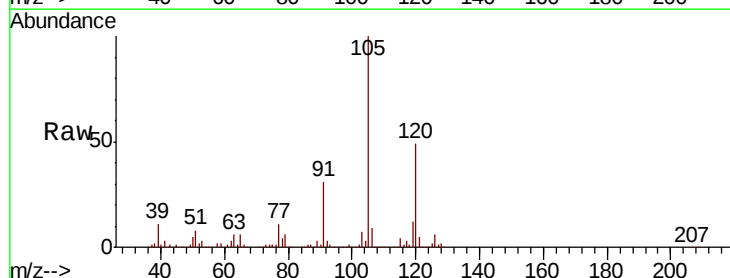
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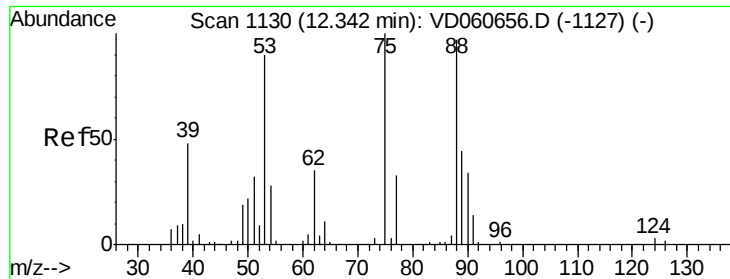
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 54.839 ug/l
RT: 12.78 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 105 Resp: 2653097
Ion Ratio Lower Upper
105 100
120 48.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 60.986 ug/l

RT: 12.32 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 168827
Ion Ratio Lower Upper

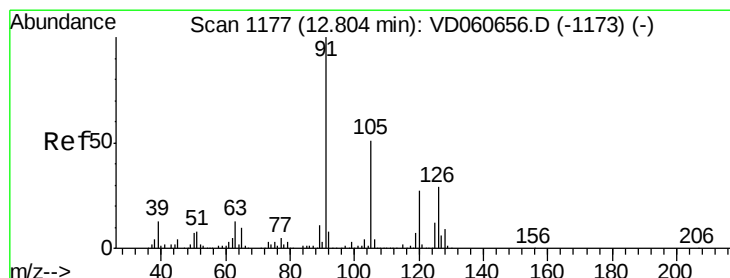
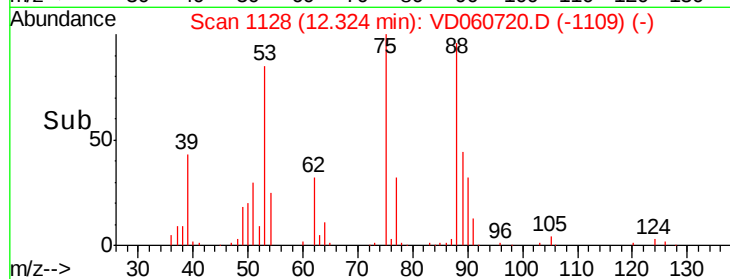
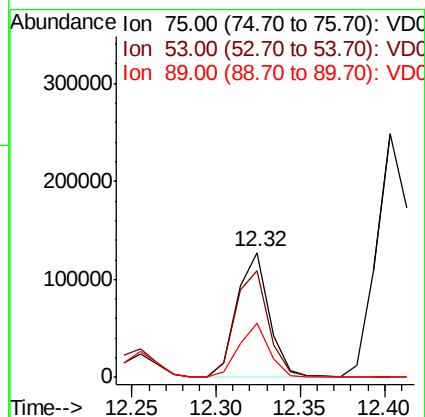
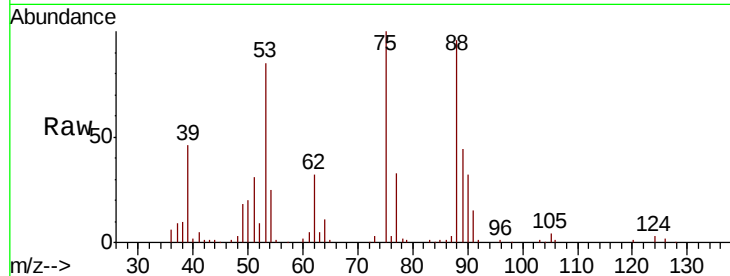
75 100

53 85.0 72.1 108.1

89 43.6 35.1 52.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.784 ug/l

RT: 12.79 min Scan# 1175

Delta R.T. -0.02 min

Lab File: VD060720.D

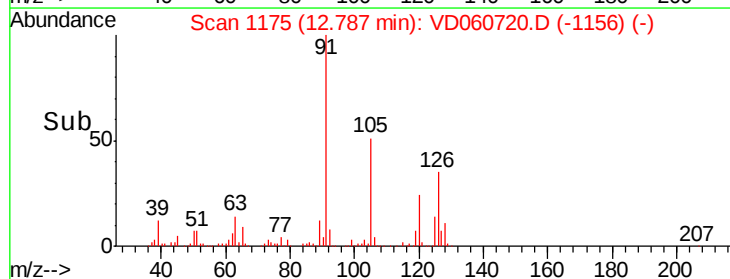
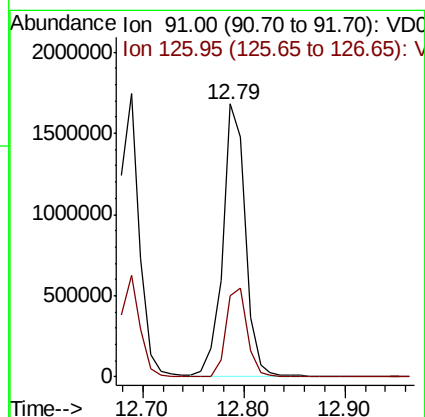
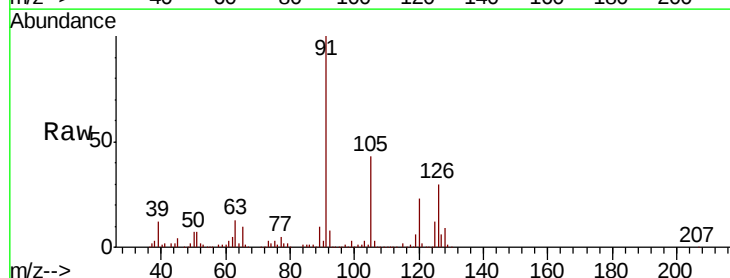
Acq: 27 Dec 2018 11:53

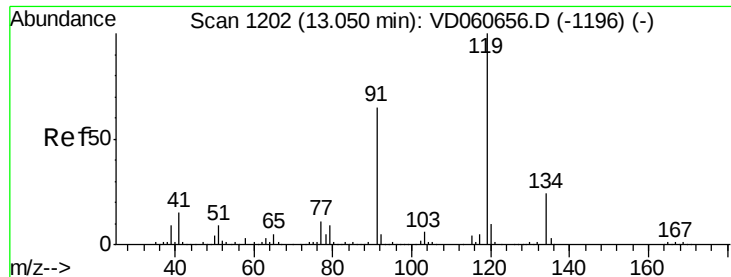
Tgt Ion: 91 Resp: 2615258

Ion Ratio Lower Upper

91 100

126 29.6 14.6 43.8





#83

tert-Butylbenzene

Concen: 54.972 ug/l

RT: 13.03 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion:119 Resp: 3026655

Ion Ratio Lower Upper

119 100

91 65.0 32.5 97.4

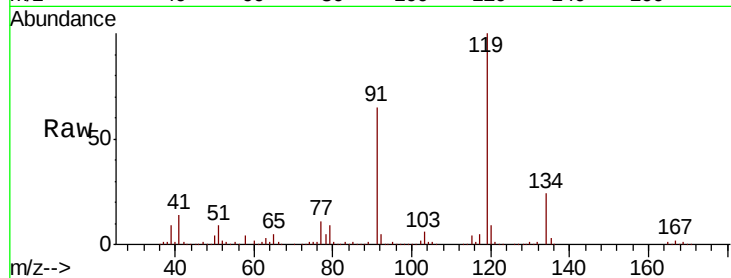
134 23.8 11.9 35.9

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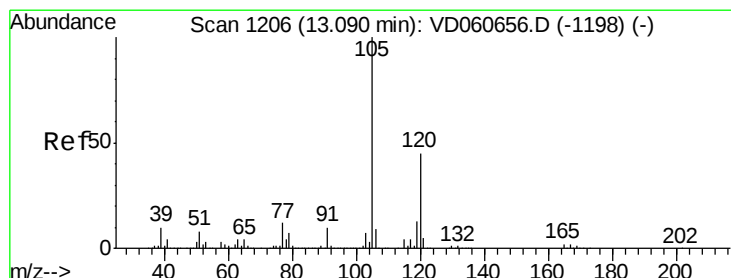
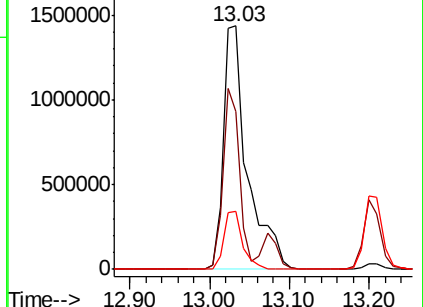
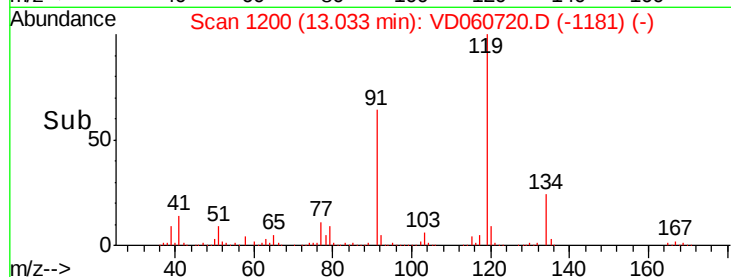
12/28/2018 9:47:02 AM



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.157 ug/l

RT: 13.07 min Scan# 1204

Delta R.T. -0.02 min

Lab File: VD060720.D

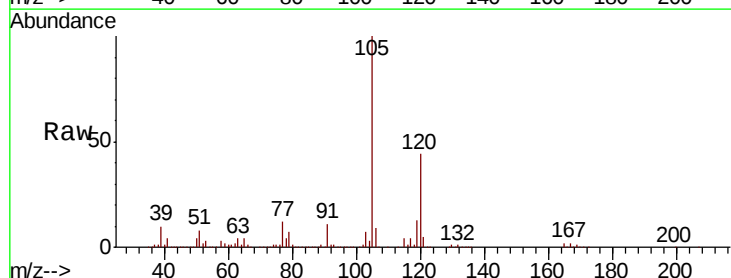
Acq: 27 Dec 2018 11:53

Tgt Ion:105 Resp: 2748356

Ion Ratio Lower Upper

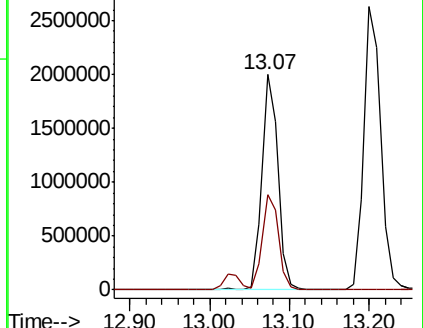
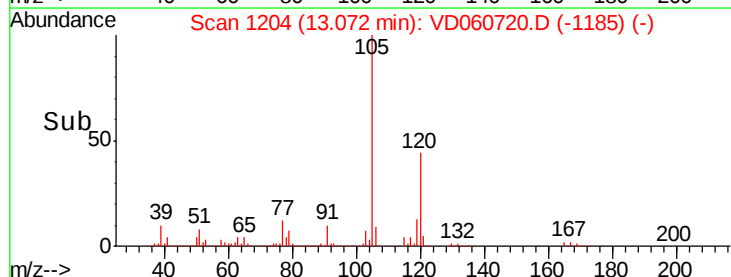
105 100

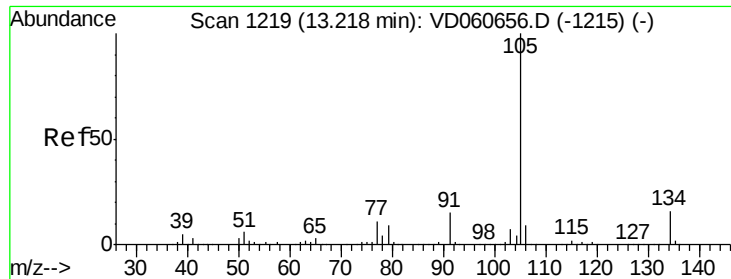
120 44.3 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





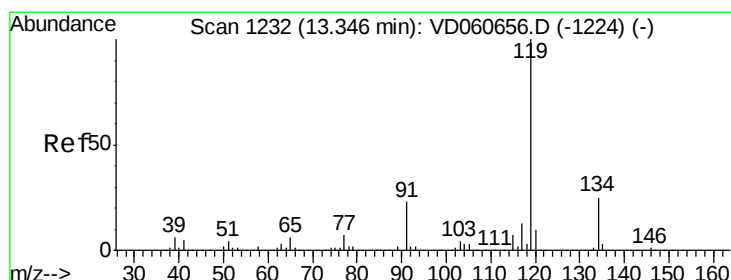
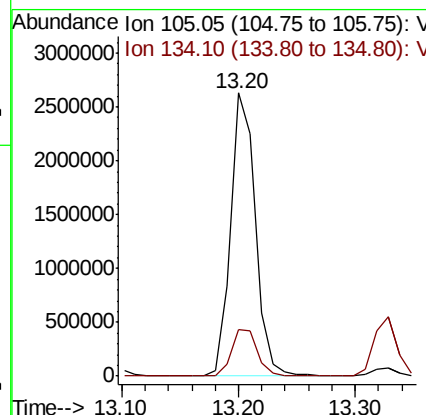
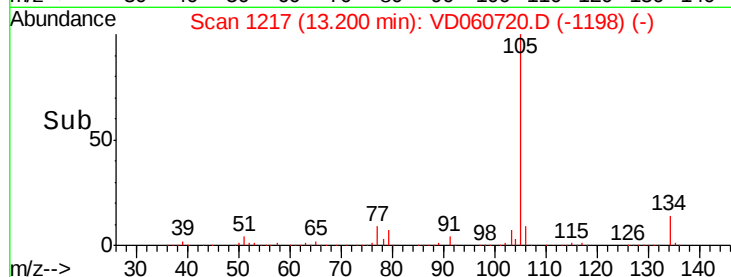
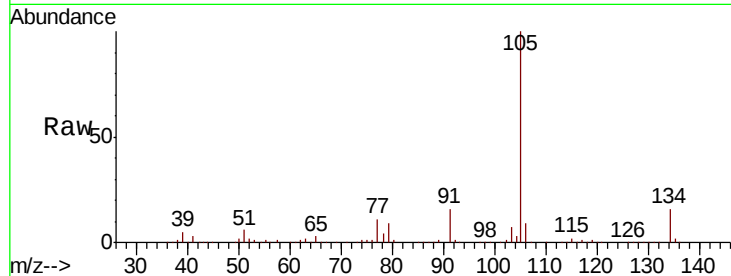
#85
 sec-Butylbenzene
 Concen: 57.385 ug/l
 RT: 13.20 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 3853172
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.2 24.4

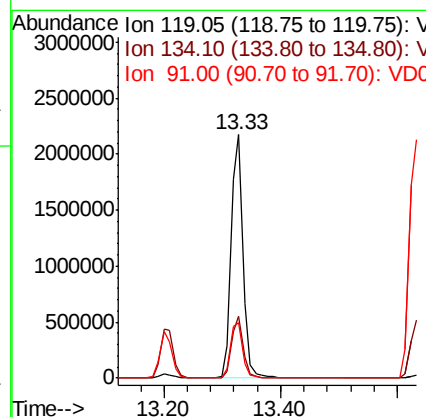
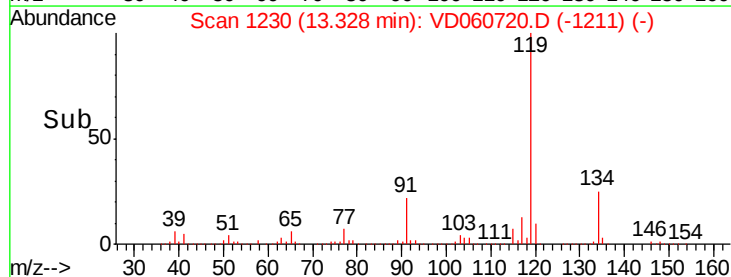
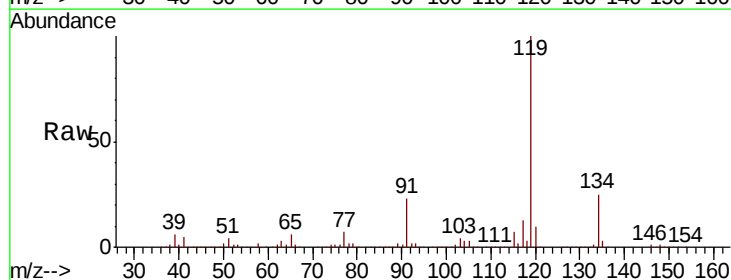
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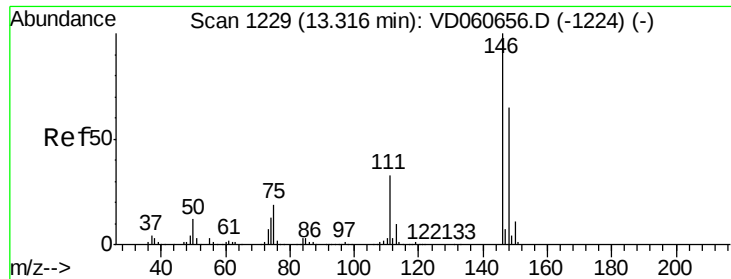
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#86
 p-Isopropyltoluene
 Concen: 56.076 ug/l
 RT: 13.33 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion:119 Resp: 3039368
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.5 37.5
 91 22.6 11.4 34.2





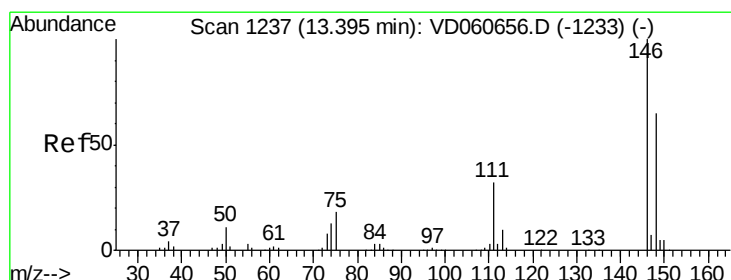
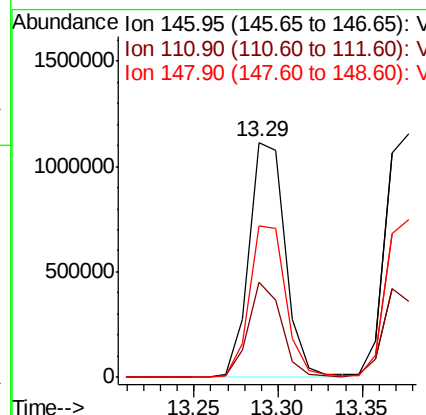
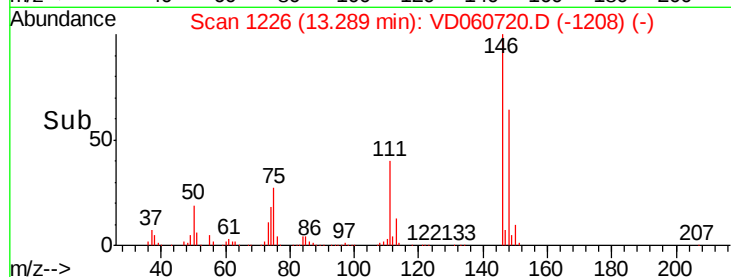
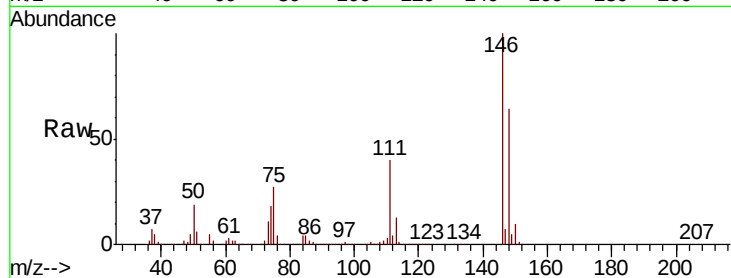
#87
 1,3-Dichlorobenzene
 Concen: 55.035 ug/l
 RT: 13.29 min Scan# 1226
 Delta R.T. -0.03 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	16.6	49.8
148	64.3	32.6	97.8

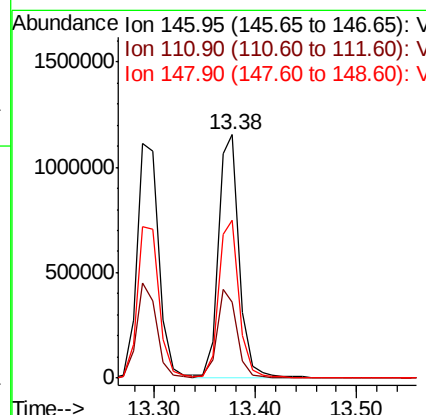
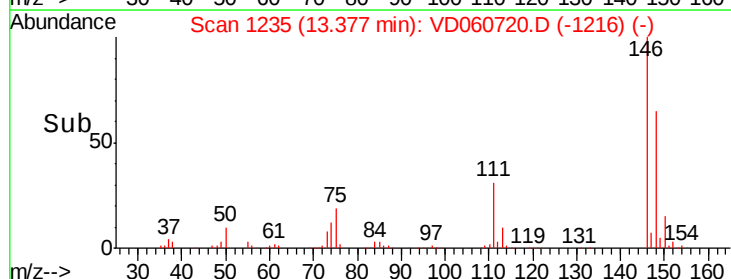
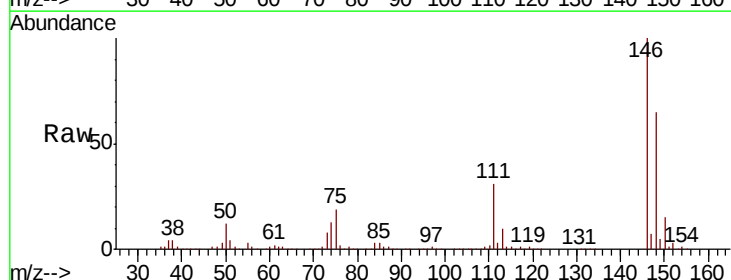
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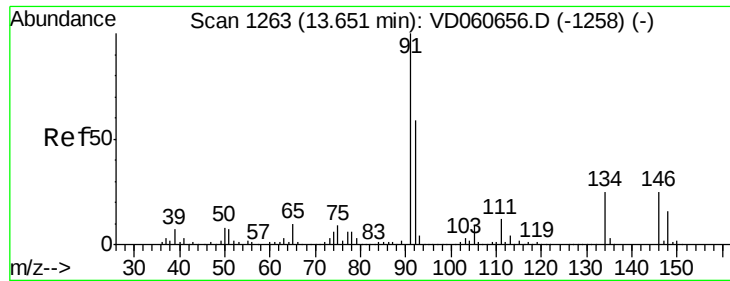
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 55.500 ug/l
 RT: 13.38 min Scan# 1235
 Delta R.T. -0.02 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.4	16.2	48.5
148	65.0	32.7	98.1





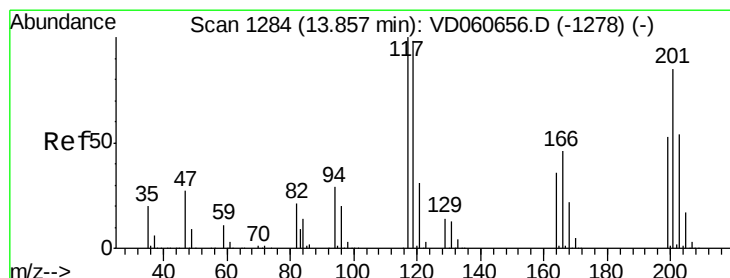
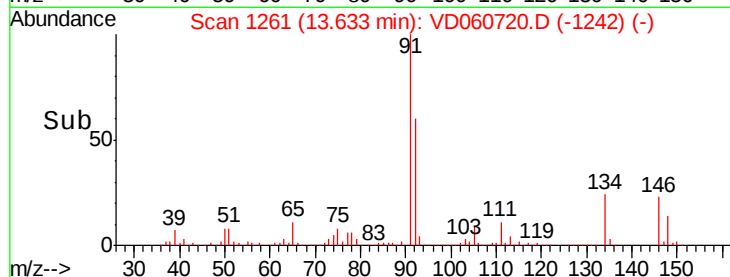
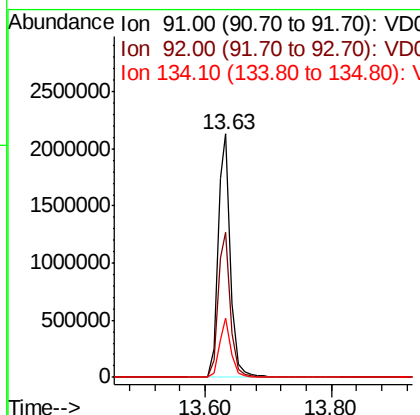
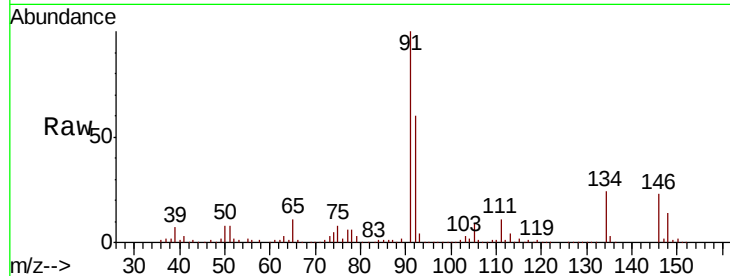
#89
n-Butylbenzene
Concen: 53.172 ug/l
RT: 13.63 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2945087
Ion Ratio Lower Upper
91 100
92 59.8 29.7 89.1
134 24.5 12.7 38.1

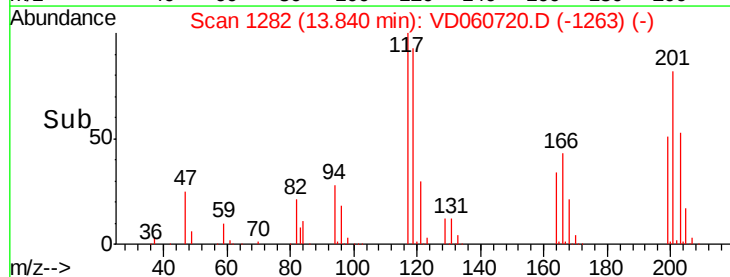
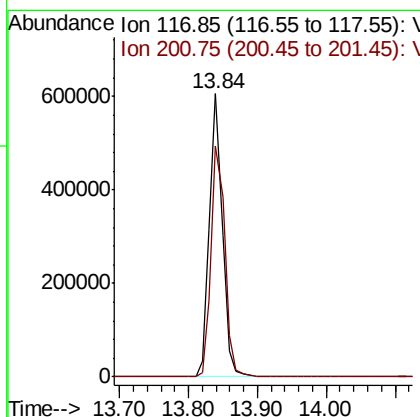
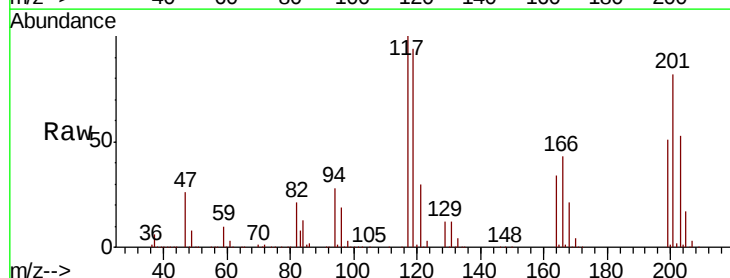
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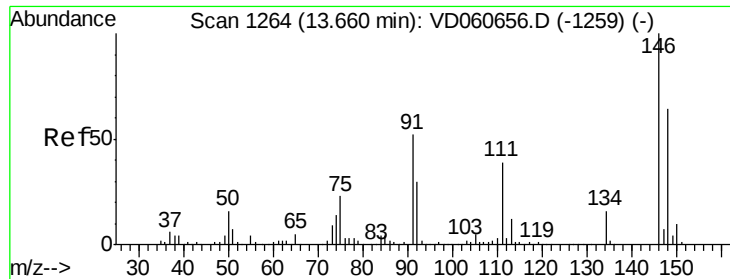
apatel
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#90
Hexachloroethane
Concen: 59.746 ug/l
RT: 13.84 min Scan# 1282
Delta R.T. -0.02 min
Lab File: VD060720.D
Acq: 27 Dec 2018 11:53

Tgt Ion: 117 Resp: 795537
Ion Ratio Lower Upper
117 100
201 81.5 42.6 127.8





#91

1,2-Dichlorobenzene

Concen: 52.226 ug/l

RT: 13.64 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1272110

Ion Ratio Lower Upper

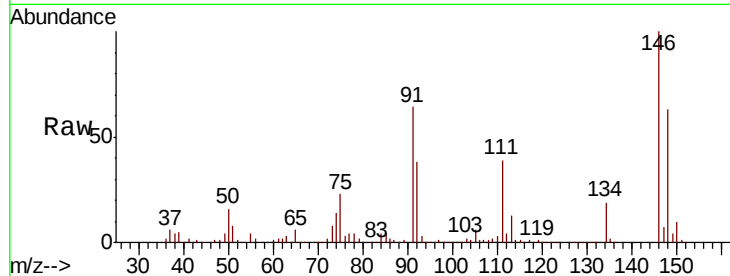
146 100

111 39.5 19.3 57.9

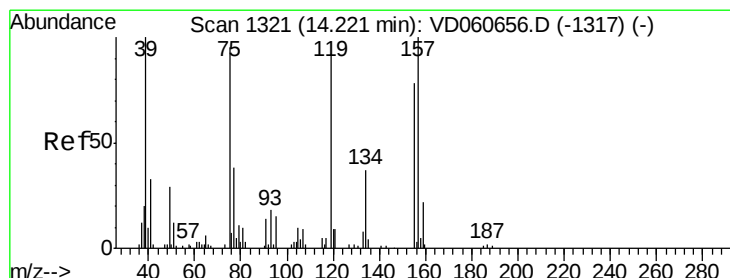
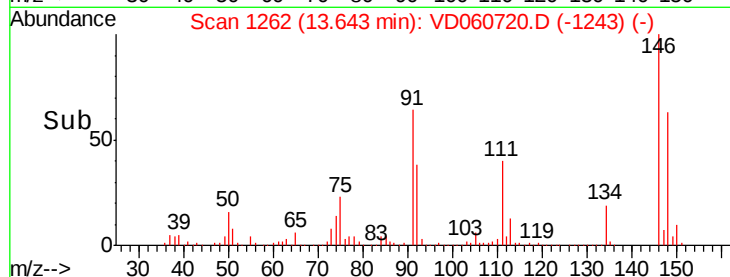
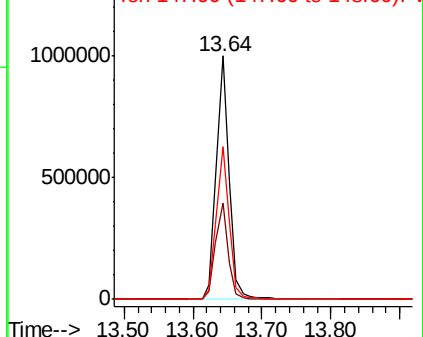
148 63.0 31.9 95.9

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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: 60.467 ug/l

RT: 14.21 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

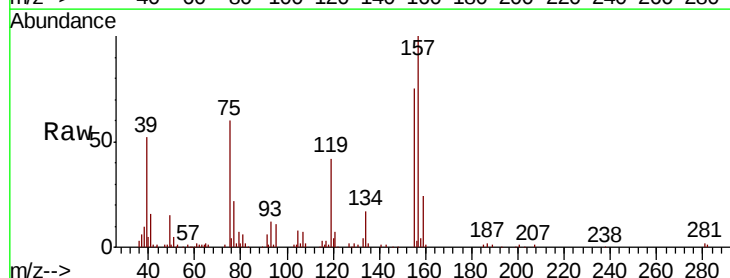
Tgt Ion: 75 Resp: 72140

Ion Ratio Lower Upper

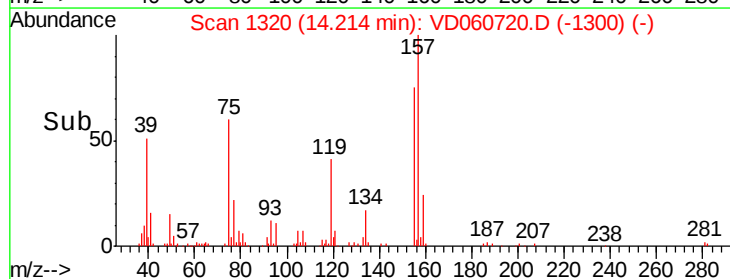
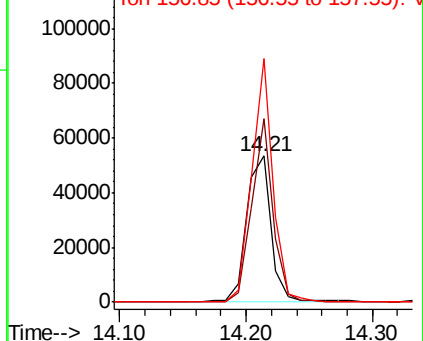
75 100

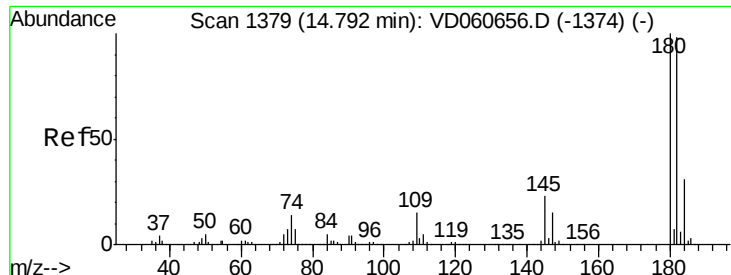
155 125.8 41.1 123.4#

157 166.8 52.5 157.6#



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





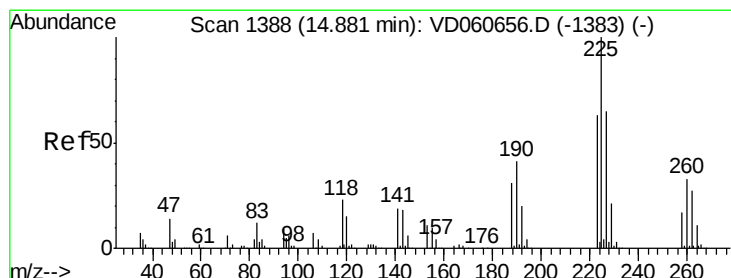
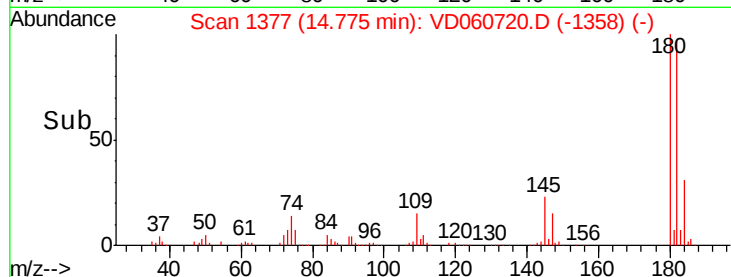
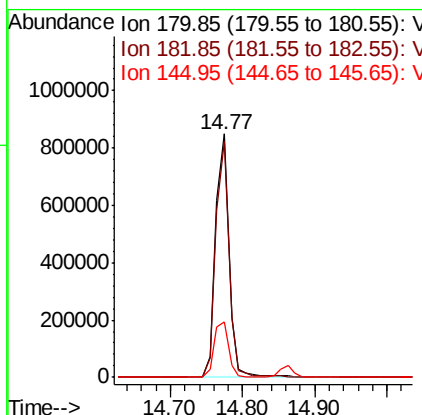
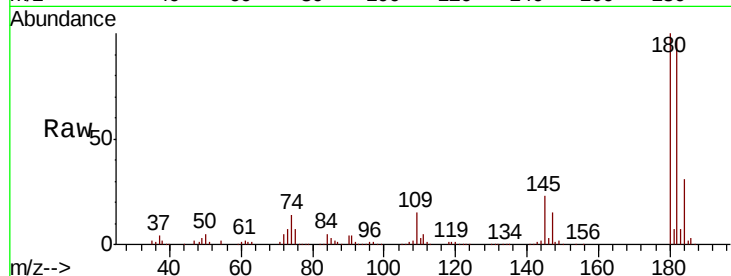
#93
 1,2,4-Trichlorobenzene
 Concen: 56.071 ug/l
 RT: 14.77 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.8	146.4
145	22.8	11.8	35.3

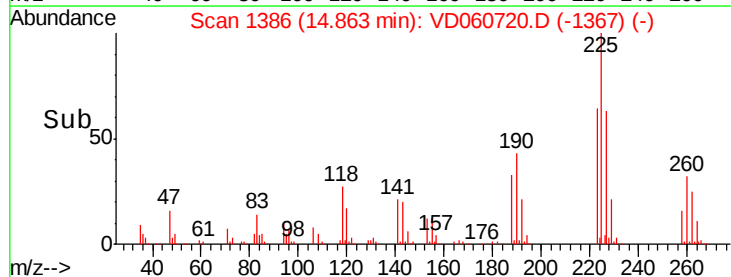
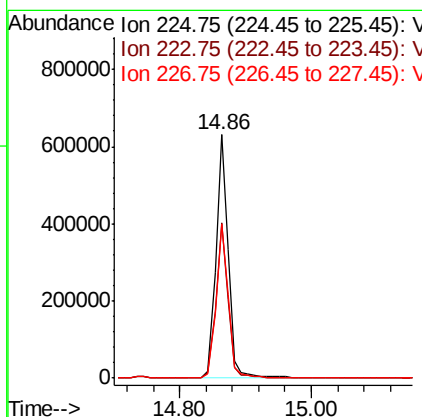
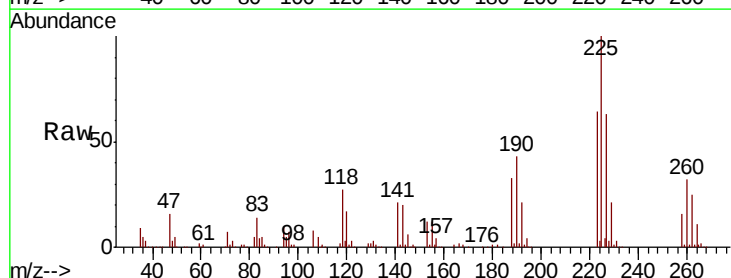
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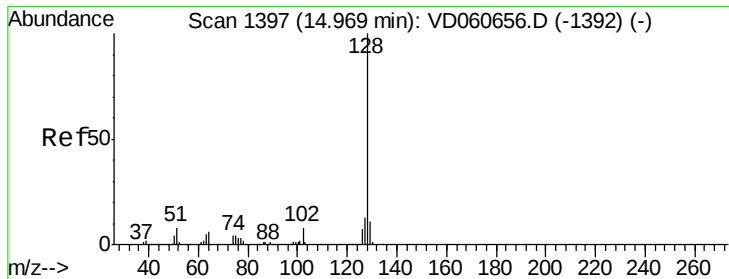
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#94
 Hexachlorobutadiene
 Concen: 56.239 ug/l
 RT: 14.86 min Scan# 1386
 Delta R.T. -0.02 min
 Lab File: VD060720.D
 Acq: 27 Dec 2018 11:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.3	93.8
227	63.3	32.5	97.4





#95

Naphthalene

Concen: 57.314 ug/l

RT: 14.95 min Scan# 1395

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Instrument :

MSVOA_D

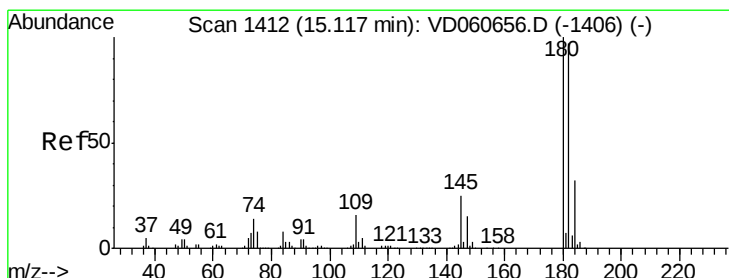
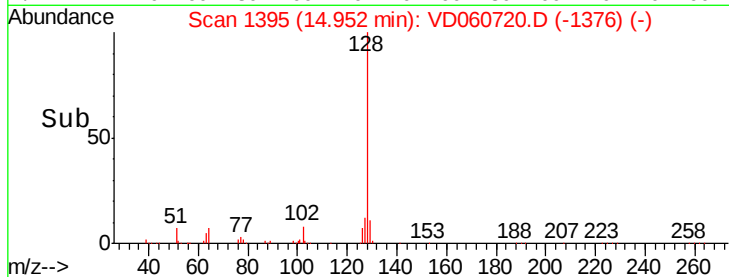
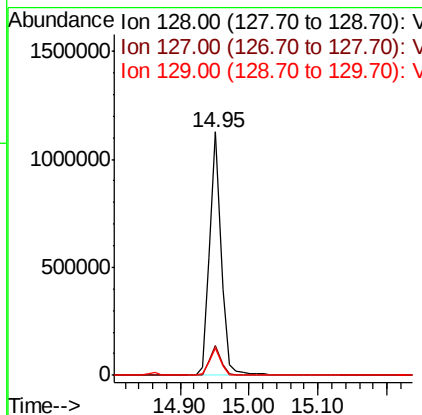
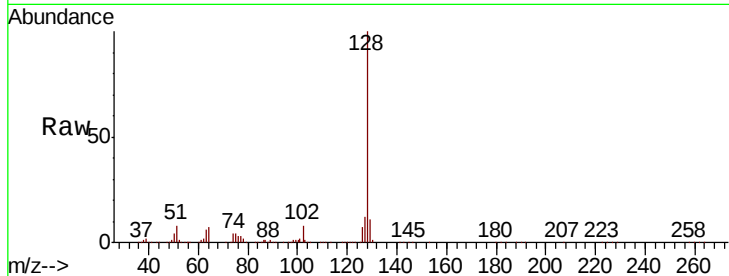
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1320287
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	11.1	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 57.044 ug/l

RT: 15.10 min Scan# 1410

Delta R.T. -0.02 min

Lab File: VD060720.D

Acq: 27 Dec 2018 11:53

Tgt Ion:	180	Resp:	864294
Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.6	145.9
145	25.0	12.6	37.8

