

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
 Data File : VD059577.D
 Acq On : 24 Jul 2018 18:16
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 7/25/2018 2:01:07 PM

Quant Time: Jul 25 06:00:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 05:39:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	142028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	184898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	148887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	76757	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	87271	85.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.62%	
35) Dibromofluoromethane	5.51	113	82502	57.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.70%	
50) Toluene-d8	8.68	98	179899	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
62) 4-Bromofluorobenzene	11.91	95	78290	59.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.31	85	77892	69.194	ug/l	100
3) Chloromethane	1.45	50	38018	66.979	ug/l	100
4) Vinyl Chloride	1.53	62	44899	81.427	ug/l	100
5) Bromomethane	1.75	94	10776	125.150	ug/l	100
6) Chloroethane	1.83	64	23325	113.172	ug/l	100
7) Trichlorofluoromethane	2.04	101	80673	81.454	ug/l	100
8) Diethyl Ether	2.30	74	13863	81.161	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.51	101	41126	76.635	ug/l	100
10) Methyl Iodide	2.65	142	51356	73.010	ug/l	100
11) Tert butyl alcohol	3.23	59	17491	520.209	ug/l	100
12) 1,1-Dichloroethene	2.50	96	31674	74.515	ug/l	100
13) Acrolein	2.43	56	8603	250.000	ug/l	100
14) Allyl chloride	2.87	41	73315	93.840	ug/l	100
15) Acrylonitrile	3.32	53	37776	443.931	ug/l	100
16) Acetone	2.58	43	67007	533.693	ug/l	100
17) Carbon Disulfide	2.72	76	121331	80.975	ug/l	100
18) Methyl Acetate	2.89	43	25330	66.085	ug/l	100
19) Methyl tert-butyl Ether	3.36	73	93708	63.713	ug/l	100
20) Methylene Chloride	3.03	84	34946	57.842	ug/l	100
21) trans-1,2-Dichloroethene	3.34	96	32547	61.717	ug/l	100
22) Diisopropyl ether	4.02	45	179214	69.961	ug/l	100
23) Vinyl Acetate	3.96	43	572309	434.074	ug/l	100
24) 1,1-Dichloroethane	3.92	63	121086	70.834	ug/l	100
25) 2-Butanone	4.79	43	92202	372.969	ug/l	100
26) 2,2-Dichloropropane	4.75	77	119642	104.287	ug/l	100
27) cis-1,2-Dichloroethene	4.76	96	63086	59.567	ug/l	100
28) Bromochloromethane	5.10	49	48545	78.211	ug/l	100
29) Tetrahydrofuran	5.14	42	44075	360.383	ug/l	100
30) Chloroform	5.27	83	135706	69.101	ug/l	100
31) Cyclohexane	5.56	56	75404m	63.895	ug/l	
32) 1,1,1-Trichloroethane	5.47	97	139128	79.249	ug/l	100
36) 1,1-Dichloropropene	5.71	75	86079	55.819	ug/l	100
37) Ethyl Acetate	4.88	43	46915	68.932	ug/l	100
38) Carbon Tetrachloride	5.68	117	126725	66.018	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	84200	56.326	ug/l	100
40) Benzene	5.97	78	186541	52.123	ug/l	100
41) Methacrylonitrile	5.08	41	22042	64.542	ug/l	100
42) 1,2-Dichloroethane	6.09	62	115557	75.290	ug/l	100
43) Isopropyl Acetate	7.59	43	65628	69.818	ug/l	100
44) Trichloroethene	6.95	130	70098	44.654	ug/l	100
45) 1,2-Dichloropropane	7.32	63	51698	56.844	ug/l	100
46) Dibromomethane	7.43	93	44172	61.966	ug/l	100
47) Bromodichloromethane	7.71	83	108110	64.600	ug/l	100
48) Methyl methacrylate	7.48	41	44619	70.882	ug/l	100
49) 1,4-Dioxane	7.46	88	7919	1183.449	ug/l	100
51) 4-Methyl-2-Pentanone	8.57	43	208680	330.815	ug/l	100
52) Toluene	8.78	92	122835	53.404	ug/l	100
53) t-1,3-Dichloropropene	9.16	75	92167	68.955	ug/l	100
54) cis-1,3-Dichloropropene	8.33	75	92851	63.188	ug/l	100
55) 1,1,2-Trichloroethane	9.42	97	46465	55.953	ug/l	100
56) Ethyl methacrylate	9.29	69	54049	59.888	ug/l	100
57) 1,3-Dichloropropane	9.64	76	73206	56.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.16	63	131854	322.237	ug/l	100
59) 2-Hexanone	9.76	43	160593	354.665	ug/l	100
60) Dibromochloromethane	9.94	129	77569	52.055	ug/l	100
61) 1,2-Dibromoethane	10.07	107	54647	55.923	ug/l	100
64) Tetrachloroethene	9.48	164	66304	33.204	ug/l	100
65) Chlorobenzene	10.70	112	150015	51.159	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.83	131	64259	51.439	ug/l	100
67) Ethyl Benzene	10.84	91	253982	57.894	ug/l	100
68) m/p-Xylenes	11.00	106	165299	103.258	ug/l	100
69) o-Xylene	11.39	106	81268	52.178	ug/l	100
70) Styrene	11.41	104	132557	51.503	ug/l	100
71) Bromoform	11.58	173	54796	47.550	ug/l	100
73) Isopropylbenzene	11.76	105	236763	57.563	ug/l	100
74) N-amyl acetate	11.63	43	84477	76.806	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.06	83	52475	63.315	ug/l	100
76) 1,2,3-Trichloropropane	12.10	75	60985	71.389	ug/l	100
77) Bromobenzene	12.02	156	75709	47.119	ug/l	100
78) n-propylbenzene	12.14	91	303315	63.720	ug/l	100
79) 2-Chlorotoluene	12.20	91	183250	64.684	ug/l	100
80) 1,3,5-Trimethylbenzene	12.31	105	197587	62.097	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	15463	82.793	ug/l	100
82) 4-Chlorotoluene	12.32	91	206048	65.400	ug/l	100
83) tert-Butylbenzene	12.56	119	223521	64.139	ug/l	100
84) 1,2,4-Trimethylbenzene	12.61	105	213058	64.486	ug/l	100
85) sec-Butylbenzene	12.75	105	253133	64.345	ug/l	100
86) p-Isopropyltoluene	12.88	119	213008	59.172	ug/l	100
87) 1,3-Dichlorobenzene	12.83	146	126600	48.665	ug/l	100
88) 1,4-Dichlorobenzene	12.92	146	124598	48.875	ug/l	100
89) n-Butylbenzene	13.18	91	207556	68.999	ug/l	100
90) Hexachloroethane	13.39	117	59326	61.540	ug/l	100
91) 1,2-Dichlorobenzene	13.18	146	102211	47.507	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.76	75	10875	78.238	ug/l	100

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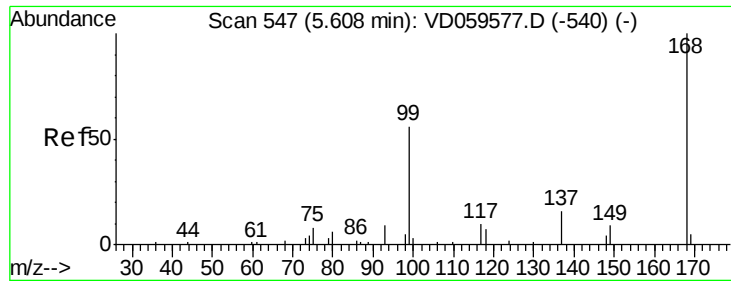
Manual Integrations
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7/25/2018 2:01:07 PM

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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)
93) 1,2,4-Trichlorobenzene	14.32	180	87434	46.773	ug/l	100
94) Hexachlorobutadiene	14.42	225	70300	51.205	ug/l	100
95) Naphthalene	14.50	128	120462	53.190	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	77204	46.405	ug/l	100

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



#1

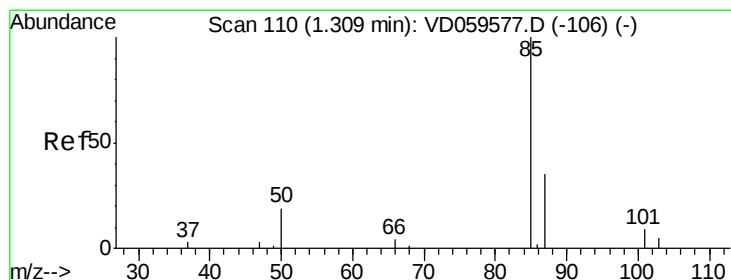
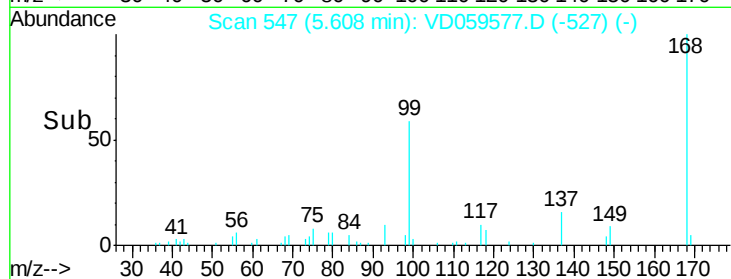
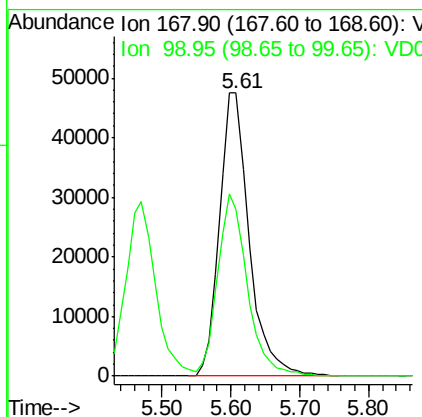
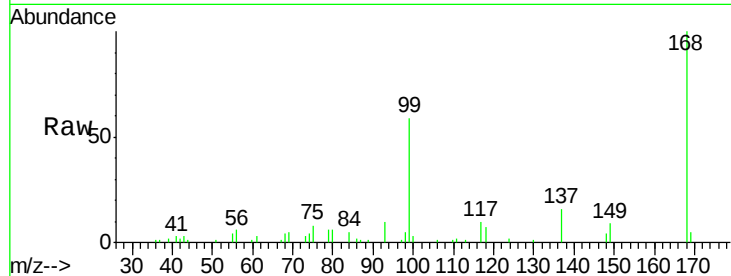
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 547
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Instrument :
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 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	142028		
99	59.1	47.3	70.9	

Manual Integrations
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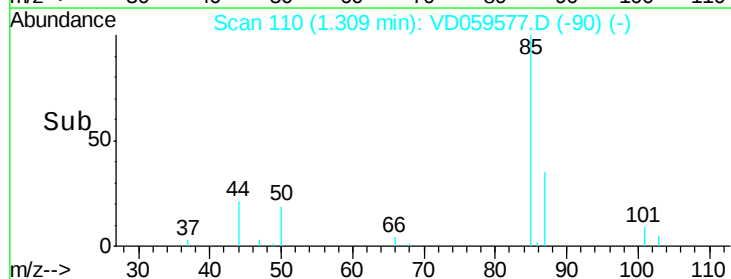
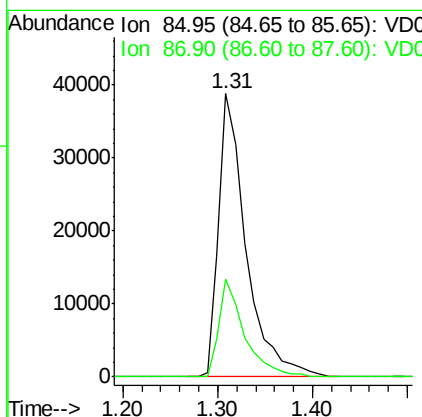
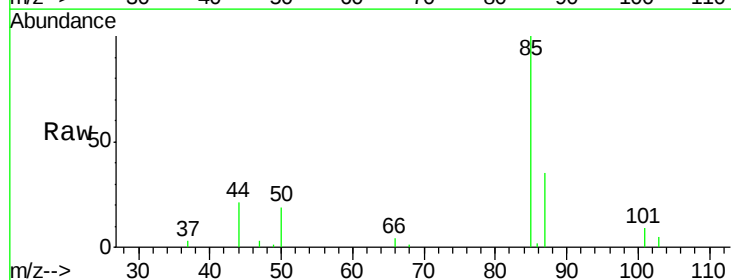
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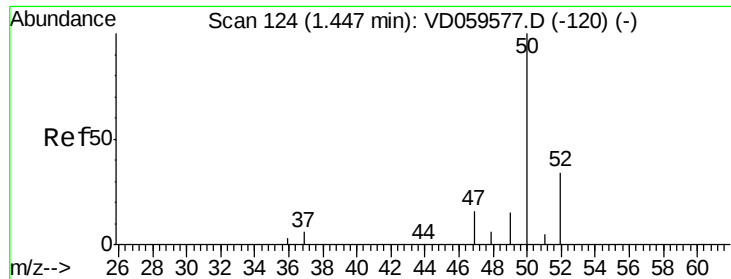


#2

Dichlorodifluoromethane
 Concen: 69.194 ug/l
 RT: 1.31 min Scan# 110
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	77892		
87	34.5	17.3	51.7	





#3

Chloromethane

Concen: 66.979 ug/l

RT: 1.45 min Scan# 124

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 38018

Ion Ratio Lower Upper

50 100

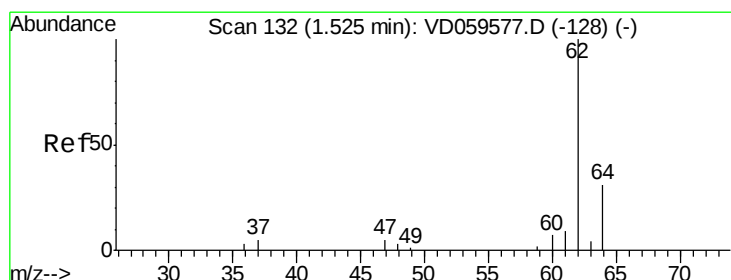
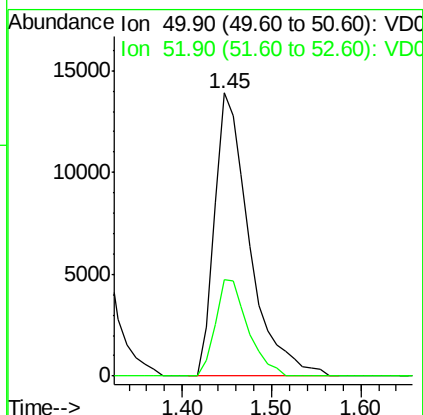
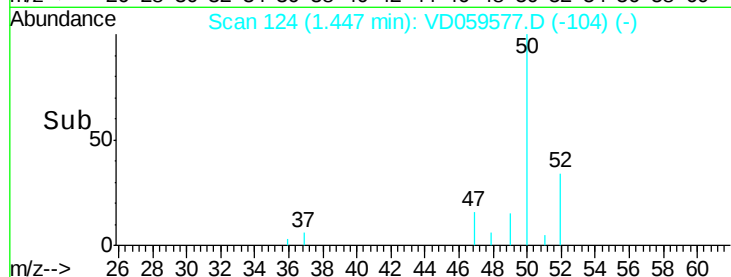
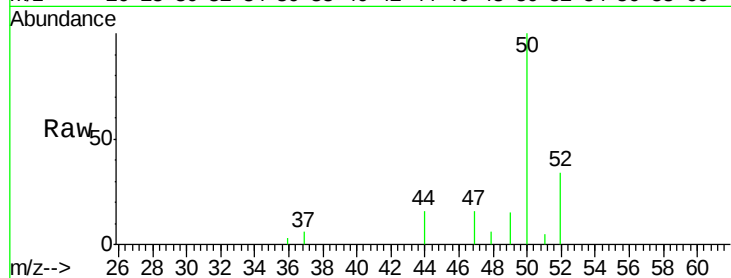
52 34.1 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 81.427 ug/l

RT: 1.53 min Scan# 132

Delta R.T. 0.00 min

Lab File: VD059577.D

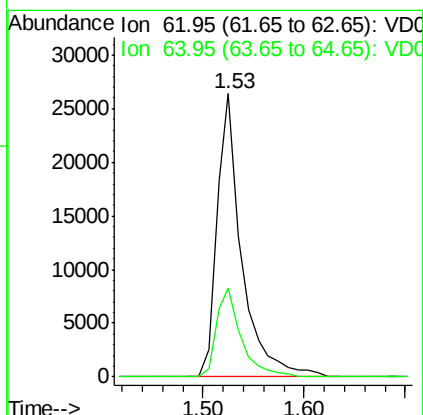
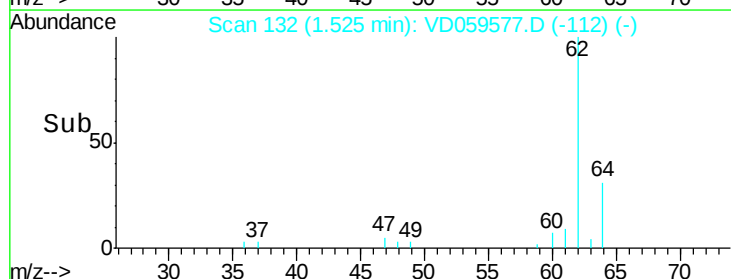
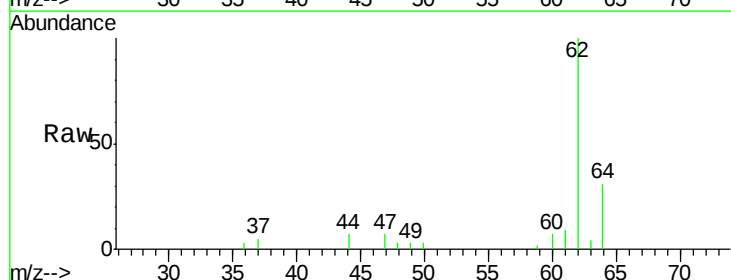
Acq: 24 Jul 2018 18:16

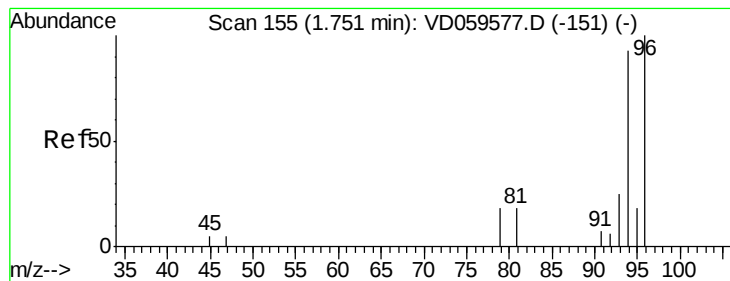
Tgt Ion: 62 Resp: 44899

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





#5

Bromomethane

Concen: 125.150 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 10776

Ion Ratio Lower Upper

94 100

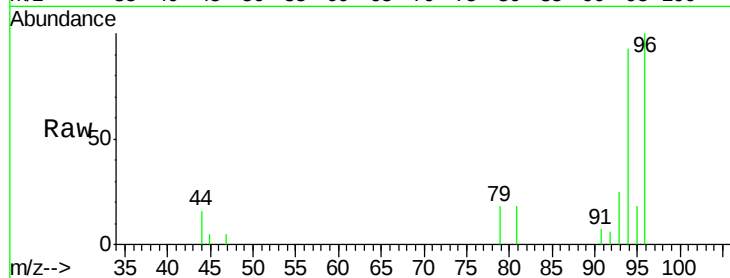
96 107.7 86.2 129.2

Manual Integrations

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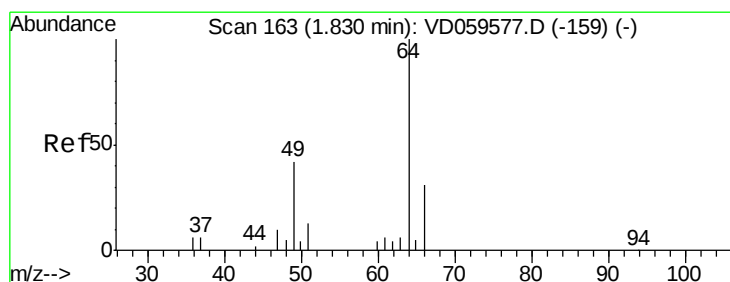
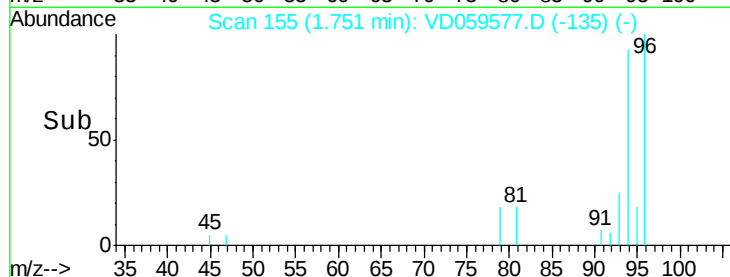
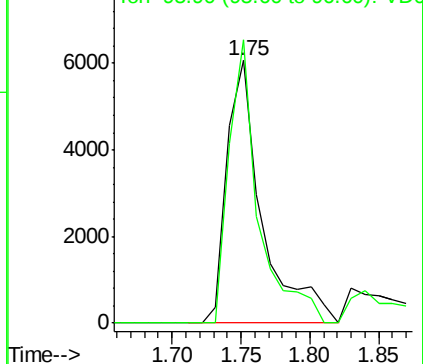
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 113.172 ug/l

RT: 1.83 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD059577.D

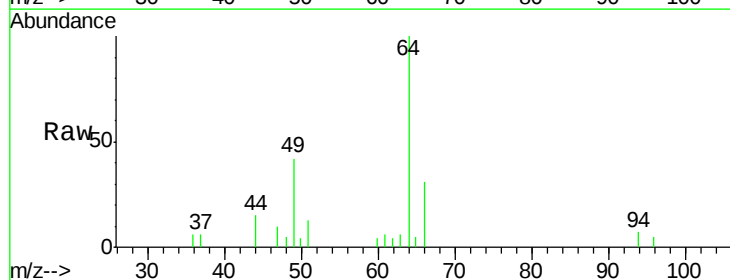
Acq: 24 Jul 2018 18:16

Tgt Ion: 64 Resp: 23325

Ion Ratio Lower Upper

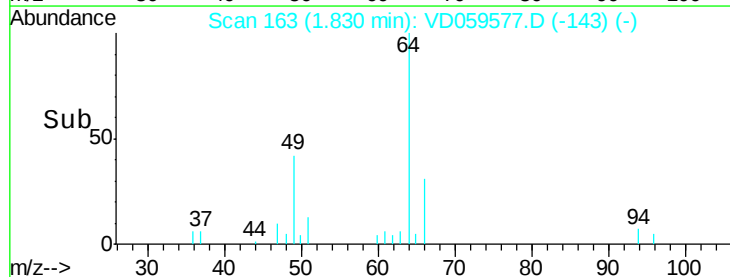
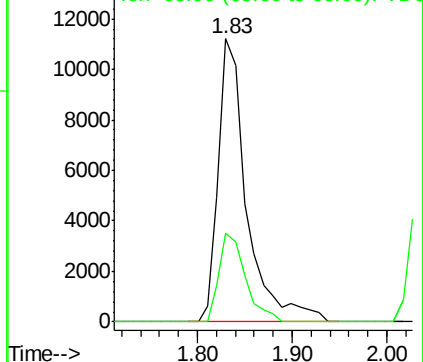
64 100

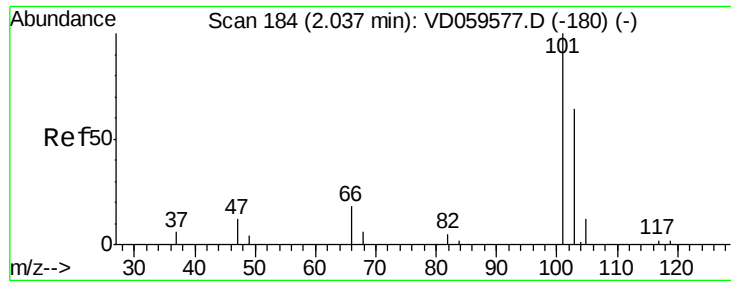
66 31.5 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

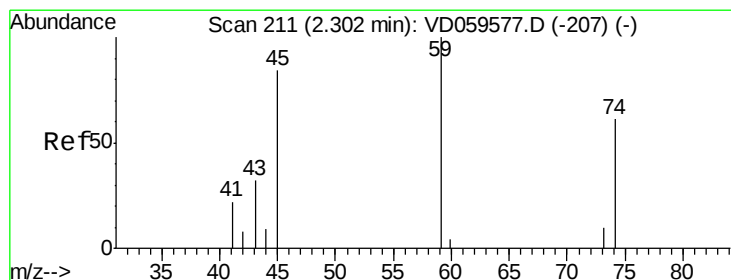
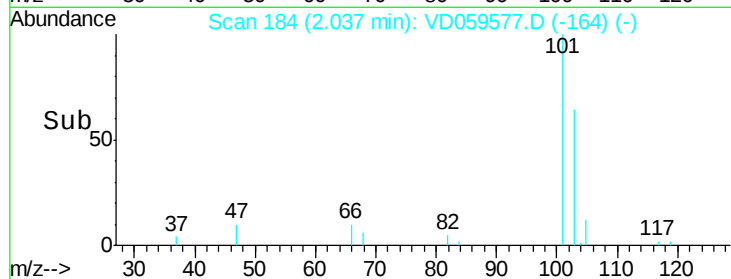
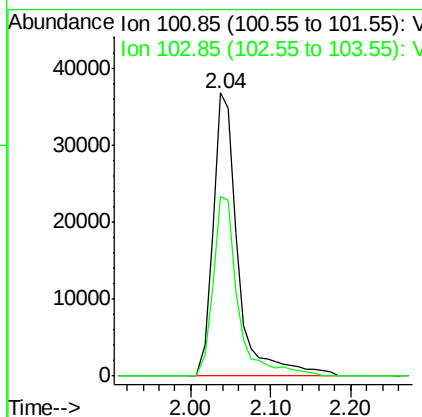
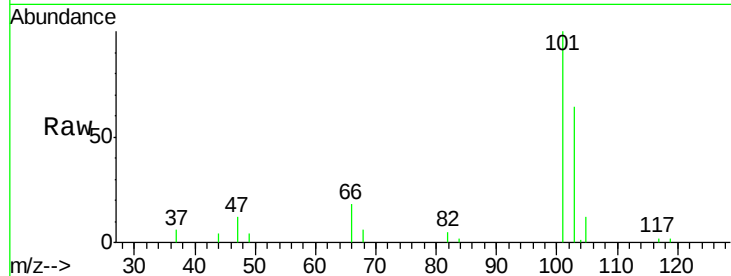
Trichlorofluoromethane
Concen: 81.454 ug/l
RT: 2.04 min Scan# 184
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

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Tot Ion: 101 Resp: 80673
Ion Ratio Lower Upper
101 100
103 63.6 50.9 76.3

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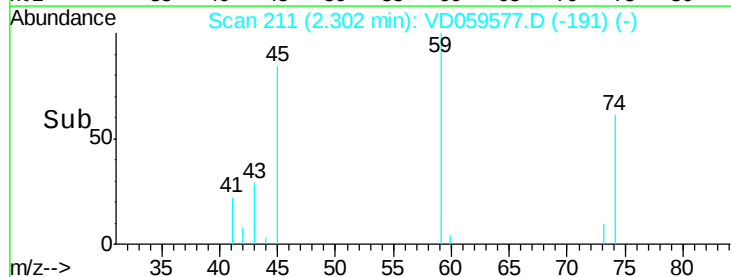
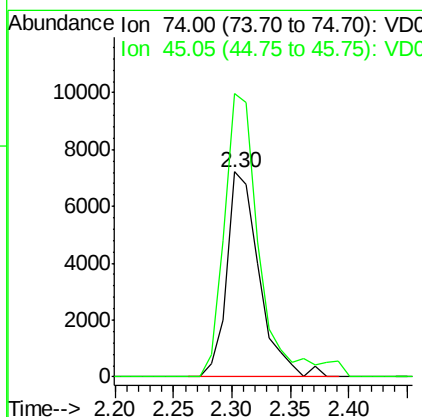
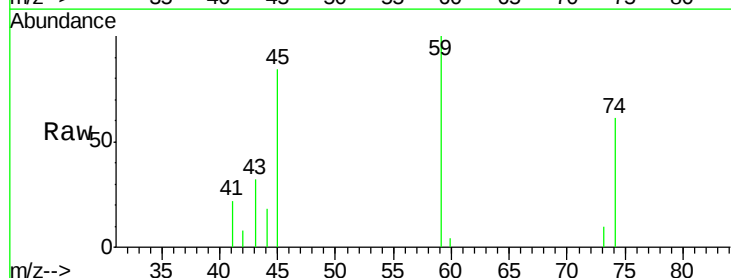
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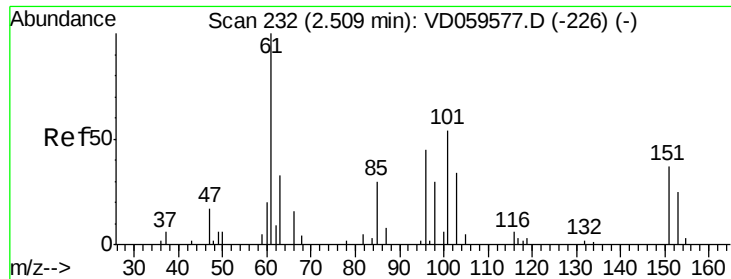


#8

Diethyl Ether
Concen: 81.161 ug/l
RT: 2.30 min Scan# 211
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion: 74 Resp: 13863
Ion Ratio Lower Upper
74 100
45 138.0 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 76.635 ug/l

RT: 2.51 min Scan# 232

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

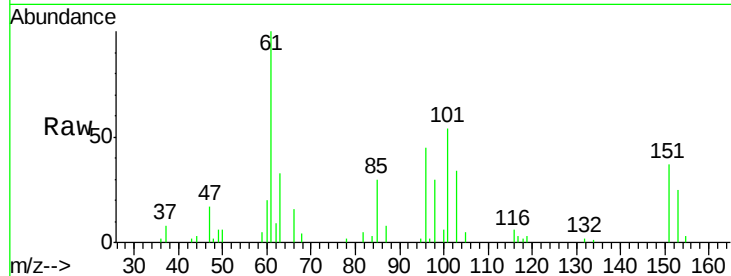
ClientSampleId :

VSTDICCC050

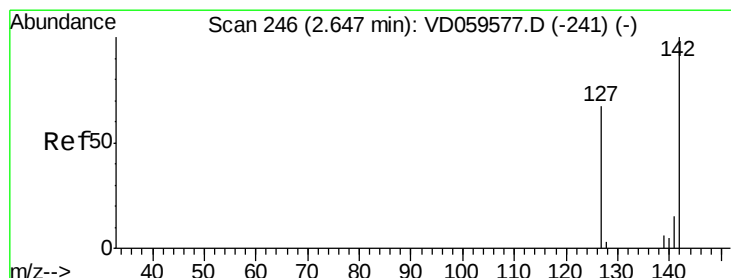
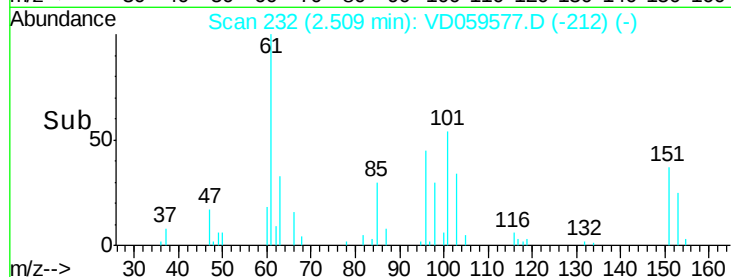
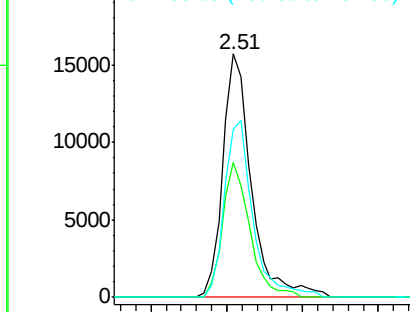
Tot Ion:	101	Resp:	41126
Ion Ratio	Lower	Upper	
101	100		
85	55.6	44.5	66.7
151	69.2	55.4	83.0

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



#10

Methyl Iodide

Concen: 73.010 ug/l

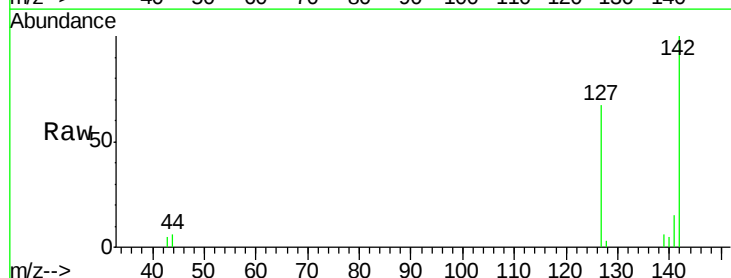
RT: 2.65 min Scan# 246

Delta R.T. 0.00 min

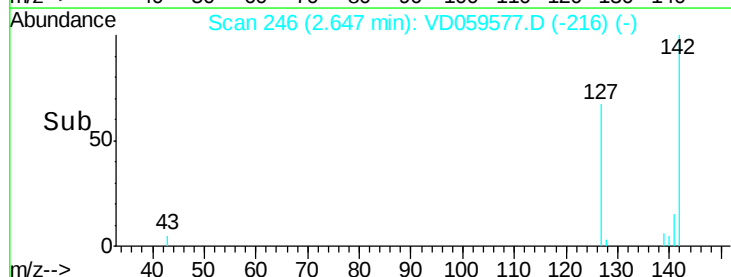
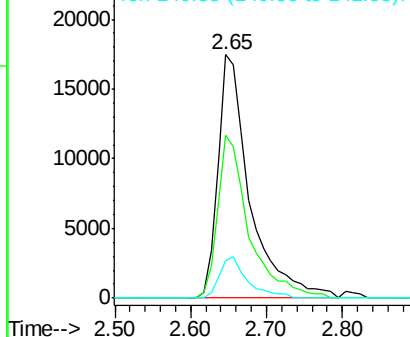
Lab File: VD059577.D

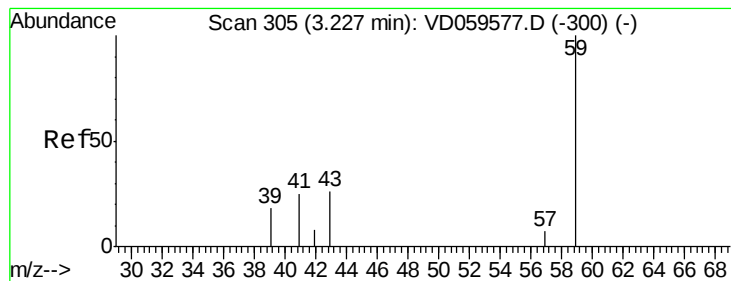
Acq: 24 Jul 2018 18:16

Tgt Ion:	142	Resp:	51356
Ion Ratio	Lower	Upper	
142	100		
127	67.0	53.6	80.4
141	15.2	12.2	18.2



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





#11

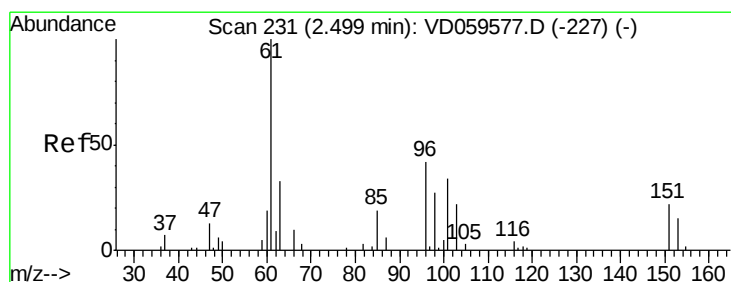
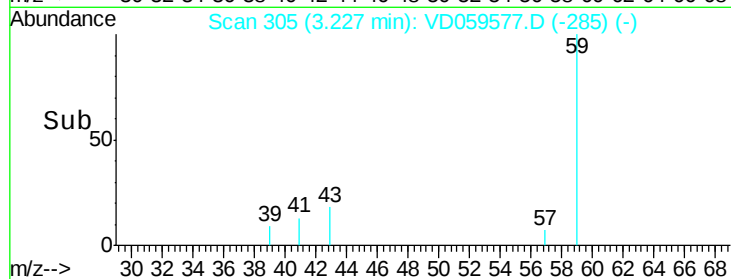
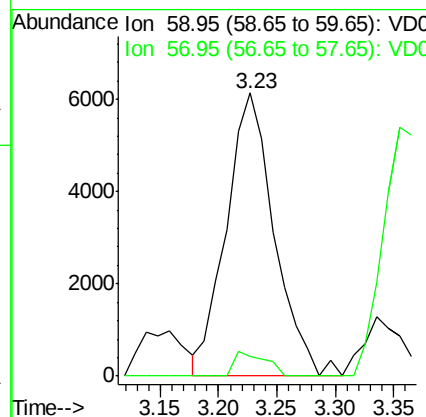
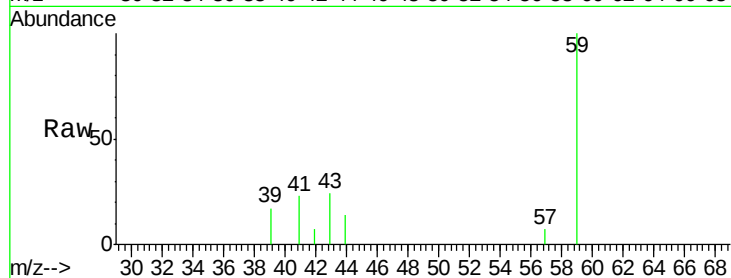
Tert butyl alcohol
 Concen: 520.209 ug/l
 RT: 3.23 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	17491		
57	6.9		5.5	8.3

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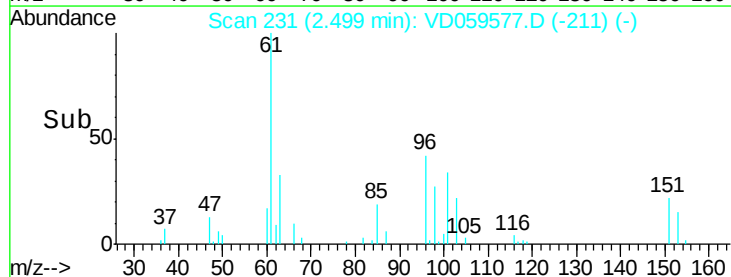
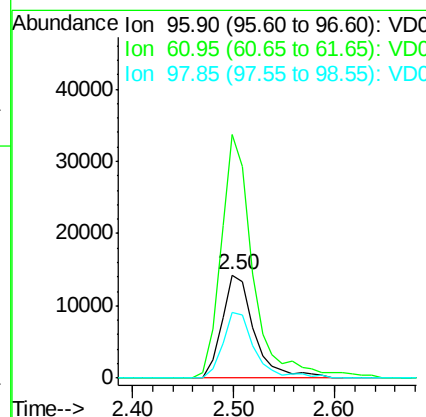
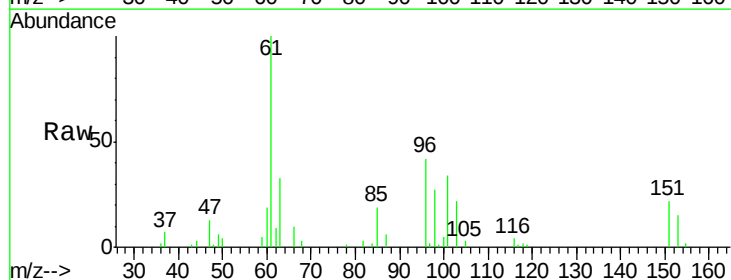
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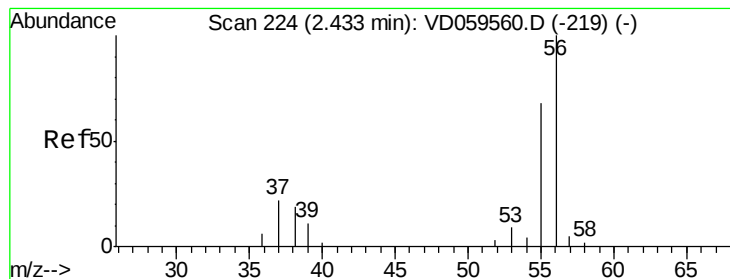


#12

1,1-Dichloroethene
 Concen: 74.515 ug/l
 RT: 2.50 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	31674		
61	236.0		188.8	283.2
98	64.3		51.4	77.2





#13

Acrolein

Concen: 250.000 ug/l

RT: 2.43 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 8603

Ion Ratio Lower Upper

56 100

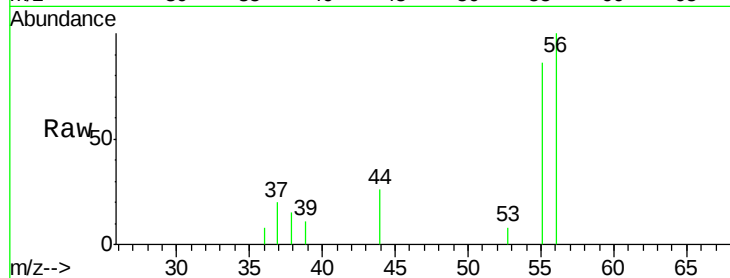
55 86.4 69.1 103.7

Manual Integrations

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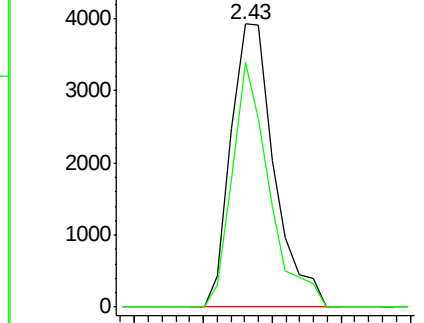
apatel

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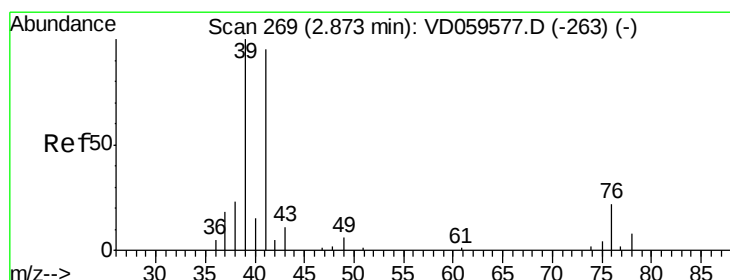
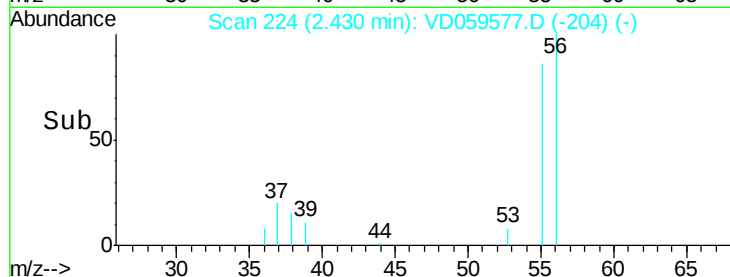


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#14

Allyl chloride

Concen: 93.840 ug/l

RT: 2.87 min Scan# 269

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

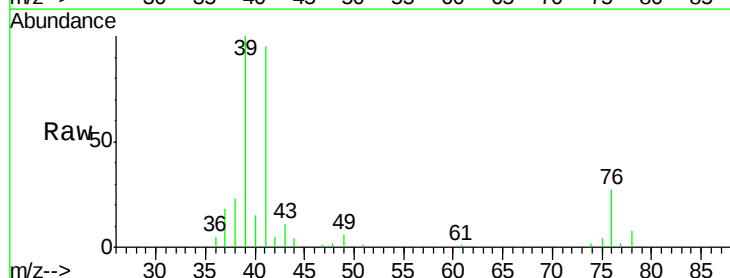
Tgt Ion: 41 Resp: 73315

Ion Ratio Lower Upper

41 100

39 104.8 83.8 125.8

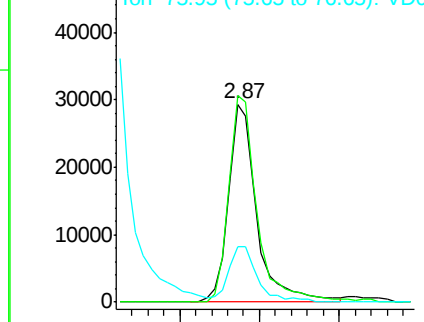
76 27.8 22.2 33.4



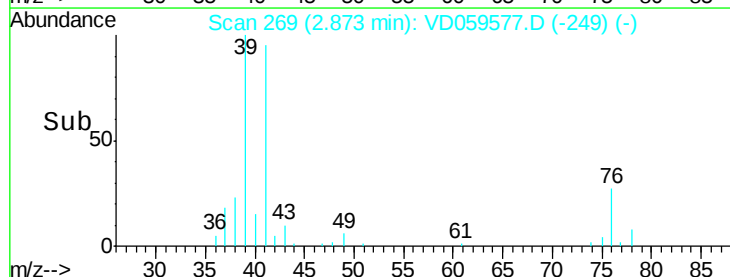
Abundance Ion 41.05 (40.75 to 41.75): VDC

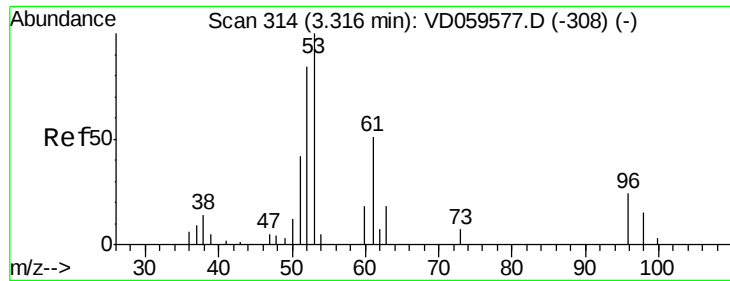
Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC



Time-->





#15

Acrylonitrile

Concen: 443.931 ug/l

RT: 3.32 min Scan# 314

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

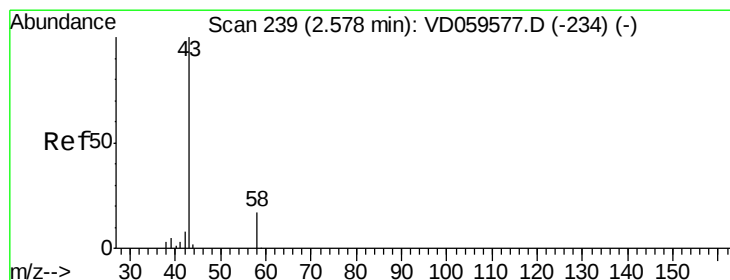
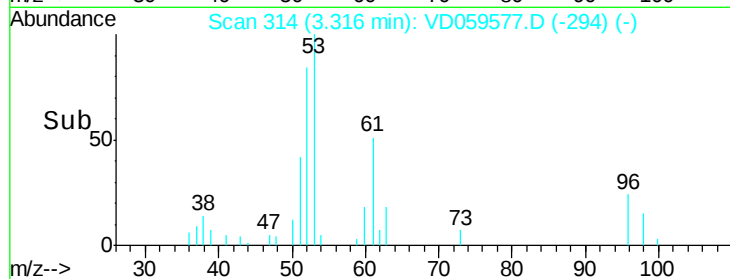
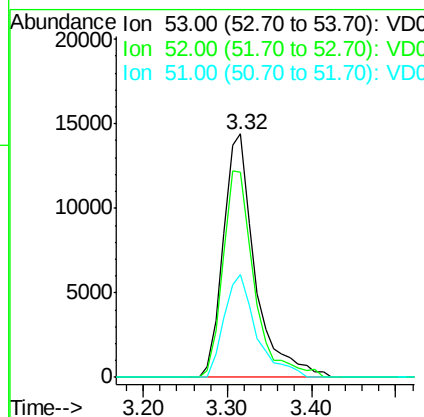
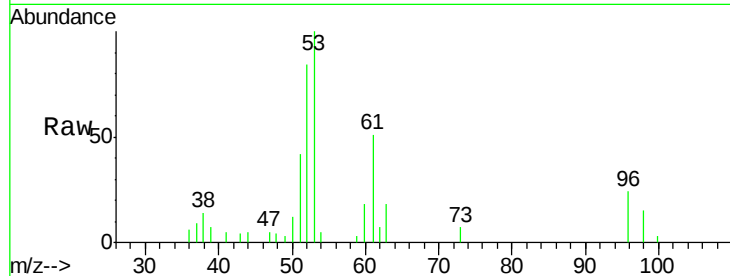
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	37776
Ion	Ratio	Lower	Upper
53	100		
52	84.5	67.6	101.4
51	42.1	33.7	50.5

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#16

Acetone

Concen: 533.693 ug/l

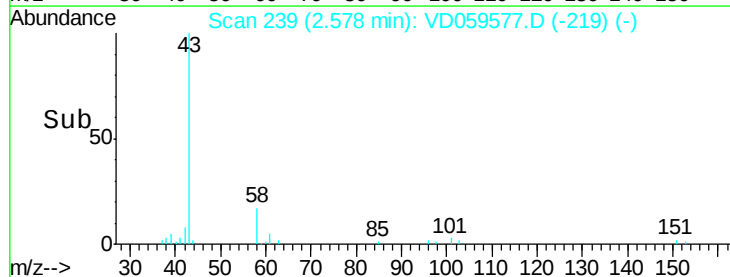
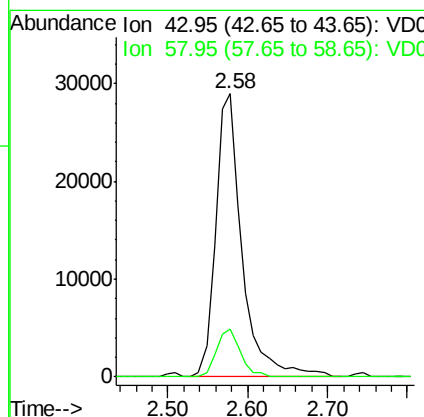
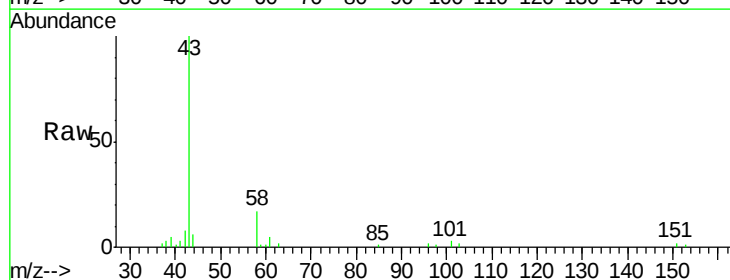
RT: 2.58 min Scan# 239

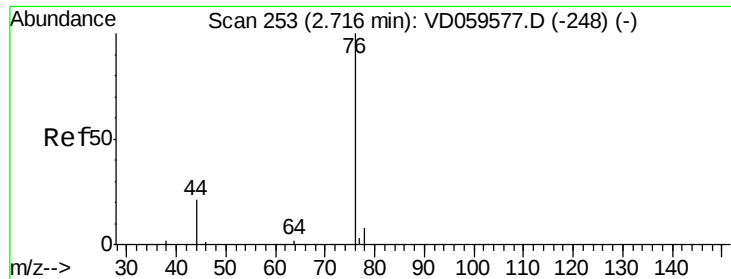
Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Tgt Ion:	43	Resp:	67007
Ion	Ratio	Lower	Upper
43	100		
58	16.7	13.4	20.0





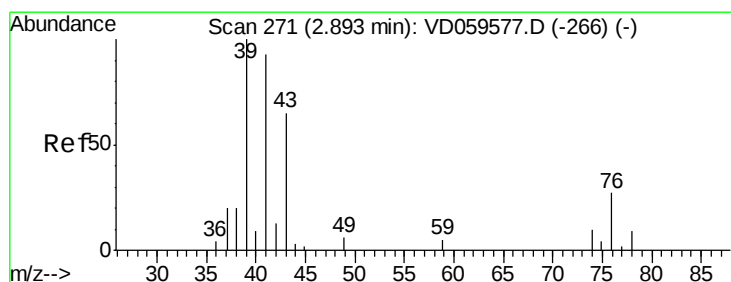
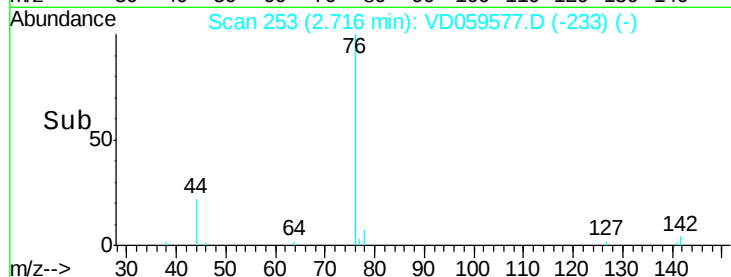
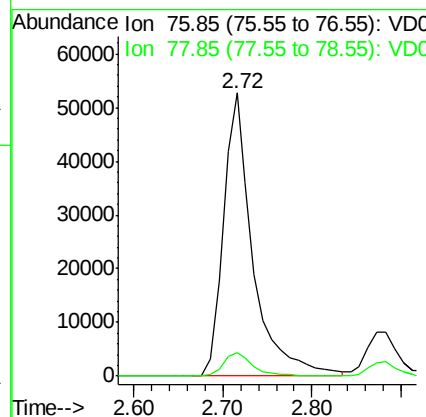
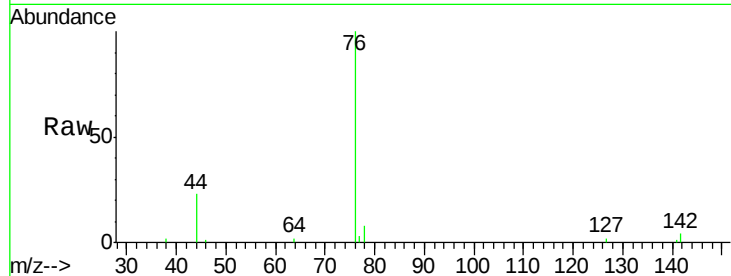
#17
Carbon Disulfide
Concen: 80.975 ug/l
RT: 2.72 min Scan# 253
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2

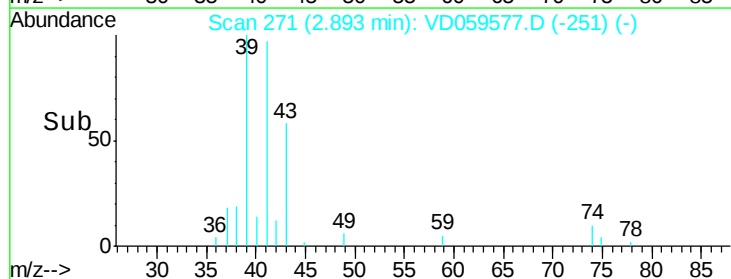
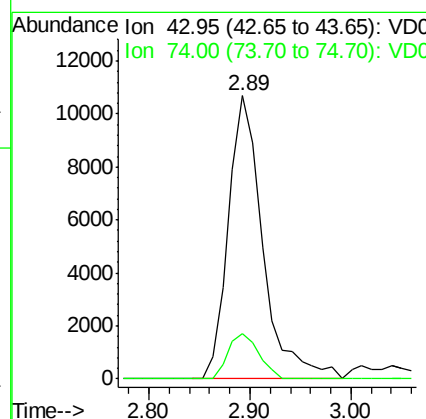
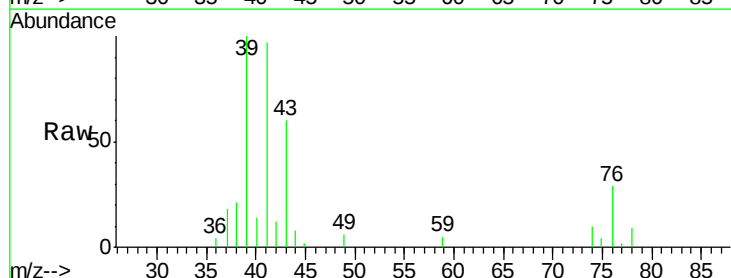
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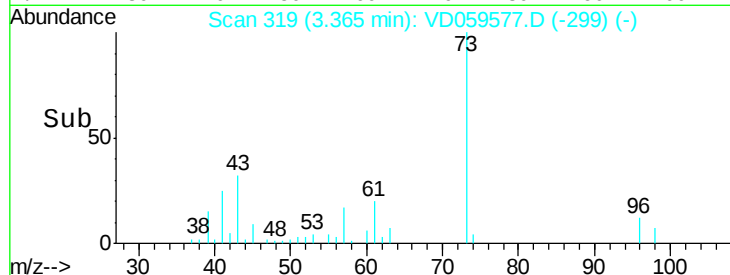
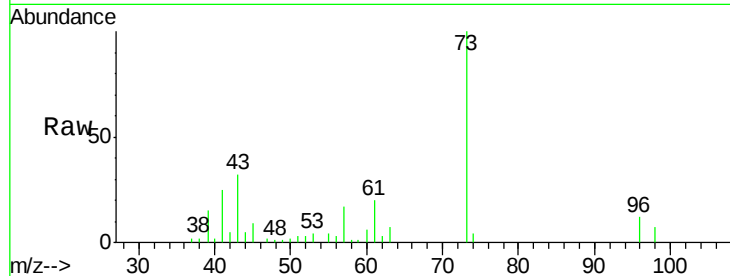
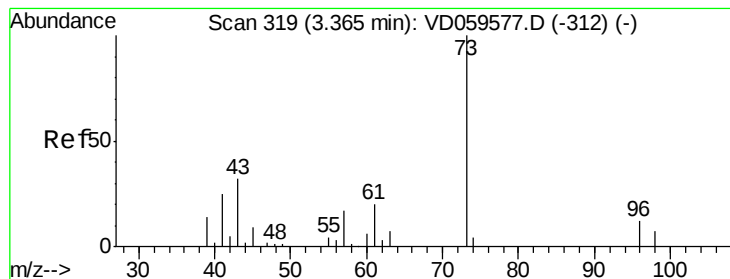
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#18
Methyl Acetate
Concen: 66.085 ug/l
RT: 2.89 min Scan# 271
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.2	13.0	19.4





#19

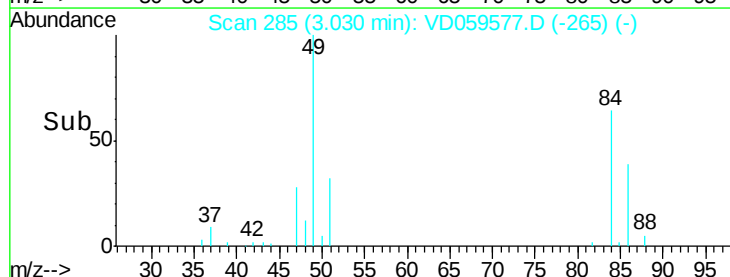
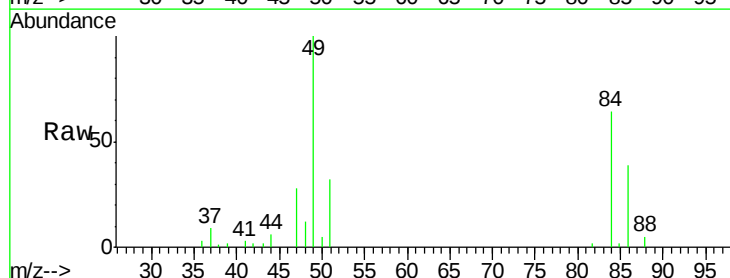
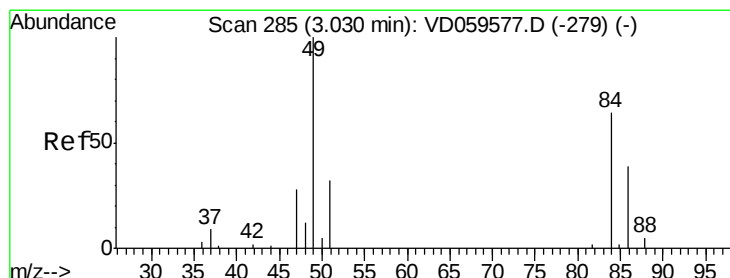
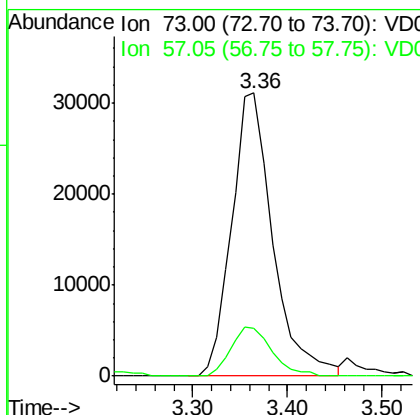
Methyl tert-butyl Ether
Concen: 63.713 ug/l
RT: 3.36 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tot Ion	73	57	Ratio	100	16.8	Resp	93708	Lower	13.4	Upper	20.2
Ion	73	57	Ratio	100	16.8	Resp	93708	Lower	13.4	Upper	20.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
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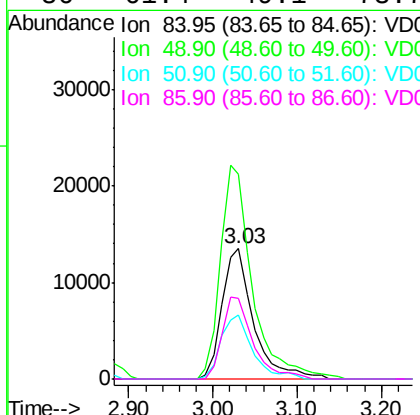
apatel
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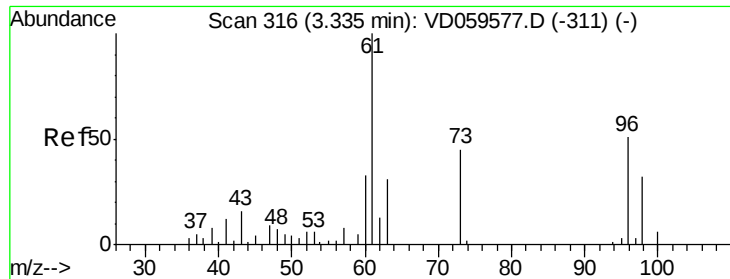


#20

Methylene Chloride
Concen: 57.842 ug/l
RT: 3.03 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion	84	49	51	86	Ratio	100	156.8	49.6	61.4	Resp	34946	Lower	125.4	39.7	Upper	188.2	59.5	73.7
Ion	84	49	51	86	Ratio	100	156.8	49.6	61.4	Resp	34946	Lower	125.4	39.7	Upper	188.2	59.5	73.7





#21

trans-1,2-Dichloroethene

Concen: 61.717 ug/l

RT: 3.34 min Scan# 316

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

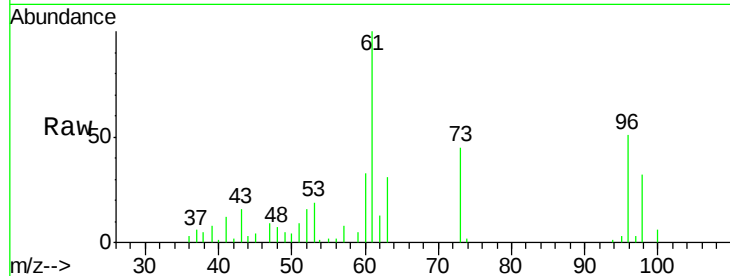
ClientSampleId :

VSTDICCC050

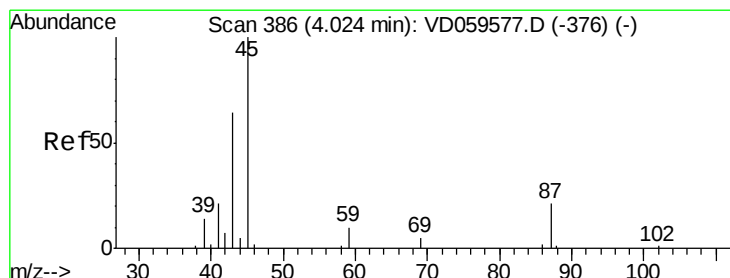
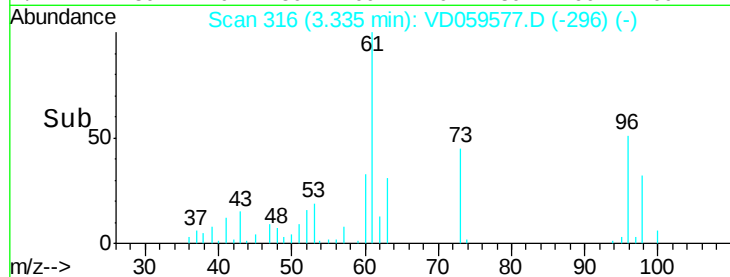
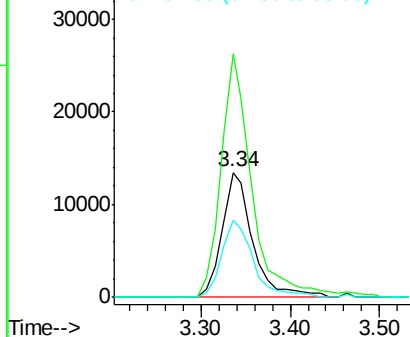
Tot Ion:	96	Resp:	32547
Ion	Ratio	Lower	Upper
96	100		
61	194.7	155.8	233.6
98	61.4	49.1	73.7

Manual Integrations
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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: 69.961 ug/l

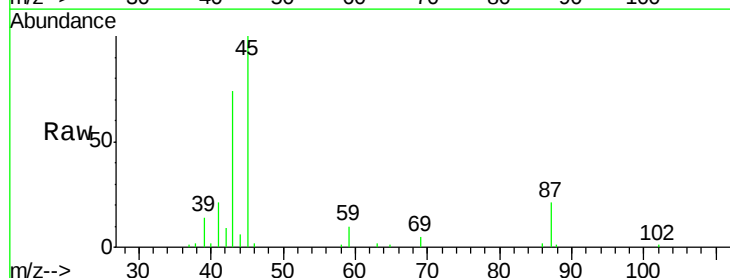
RT: 4.02 min Scan# 386

Delta R.T. 0.00 min

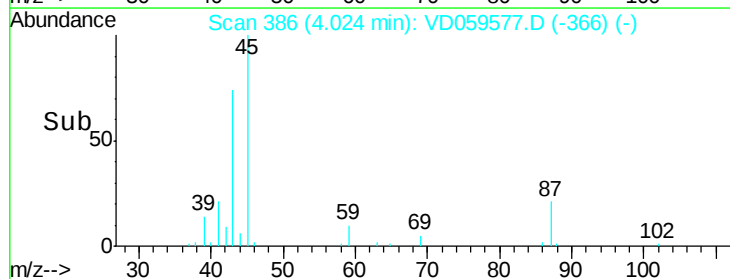
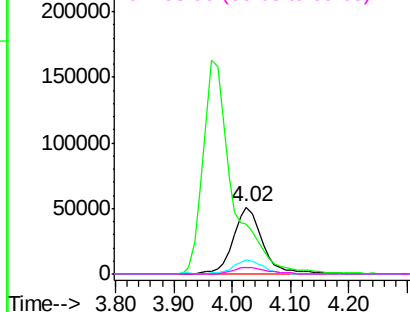
Lab File: VD059577.D

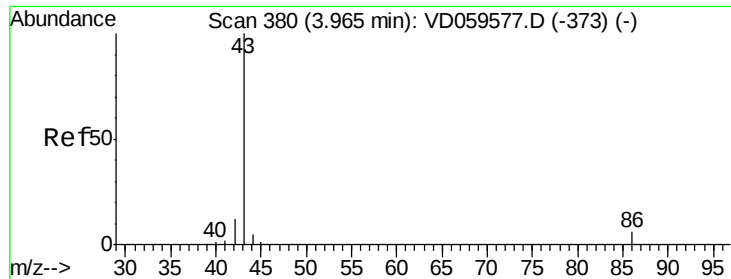
Acq: 24 Jul 2018 18:16

Tgt Ion:	45	Resp:	179214
Ion	Ratio	Lower	Upper
45	100		
43	74.3	59.4	89.2
87	20.9	16.7	25.1
59	10.3	8.2	12.4



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: 434.074 ug/l

RT: 3.96 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 572309

Ion Ratio Lower Upper

43 100

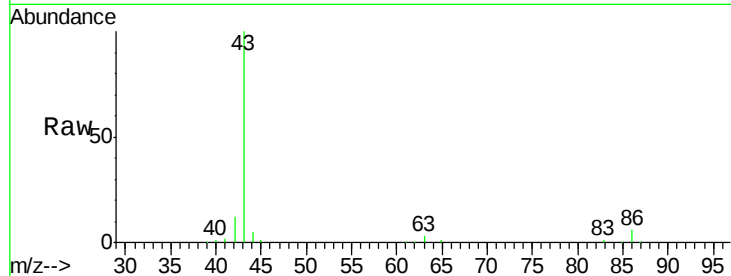
86 6.4 5.1 7.7

Manual Integrations

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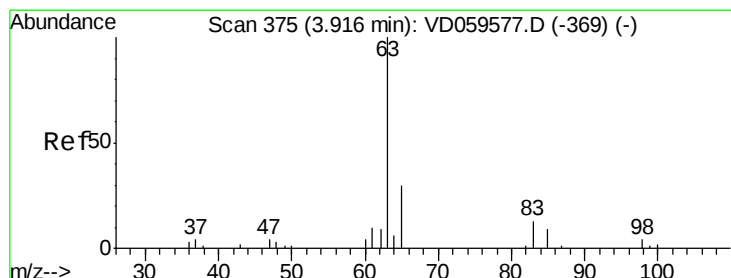
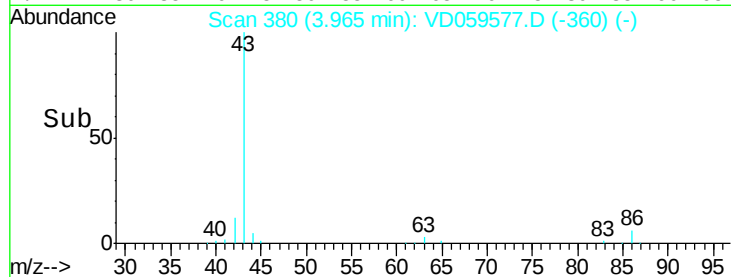
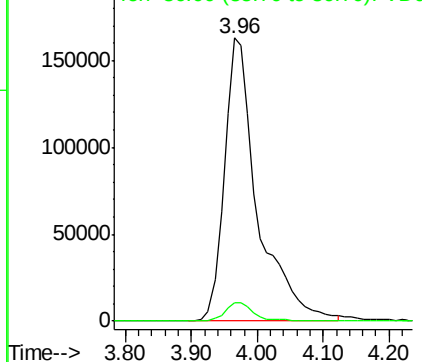
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 70.834 ug/l

RT: 3.92 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

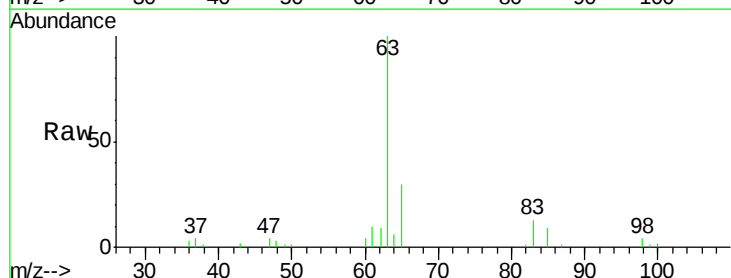
Tgt Ion: 63 Resp: 121086

Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.5

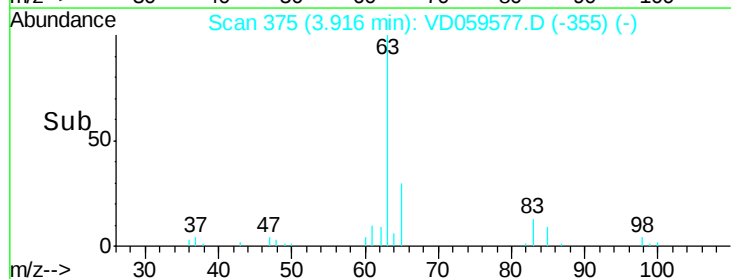
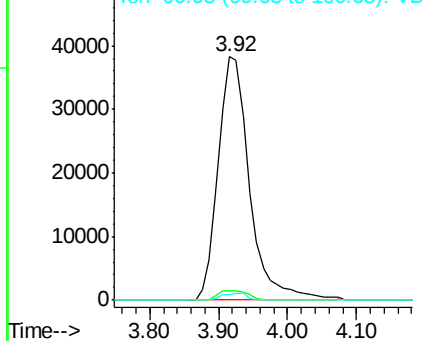
100 2.2 1.1 3.3

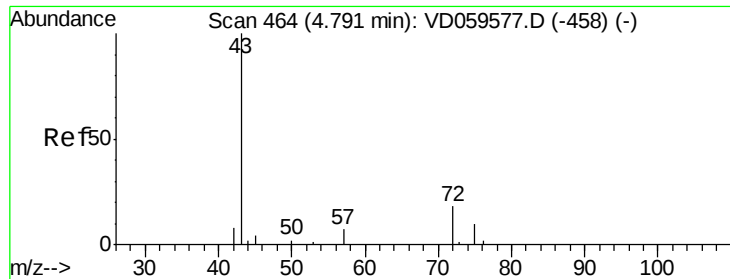


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 372.969 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 92202

Ion Ratio Lower Upper

43 100

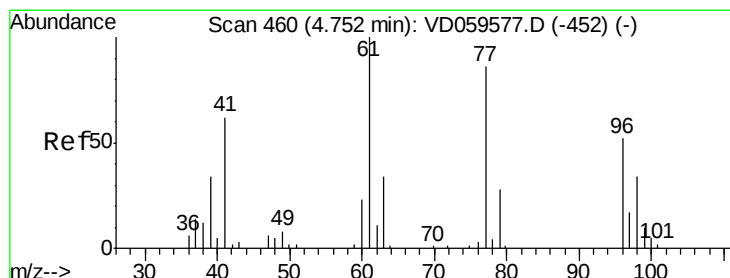
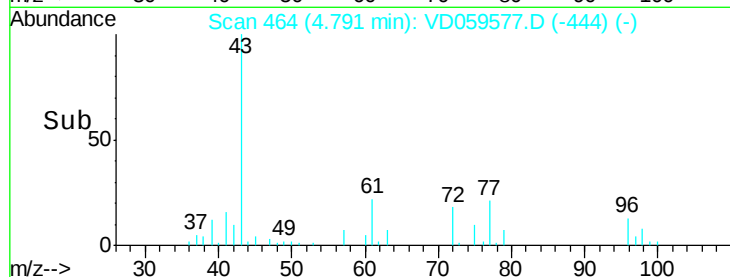
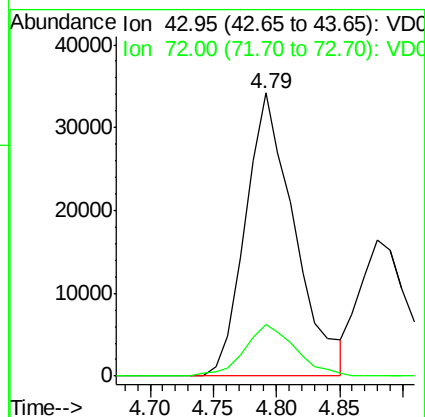
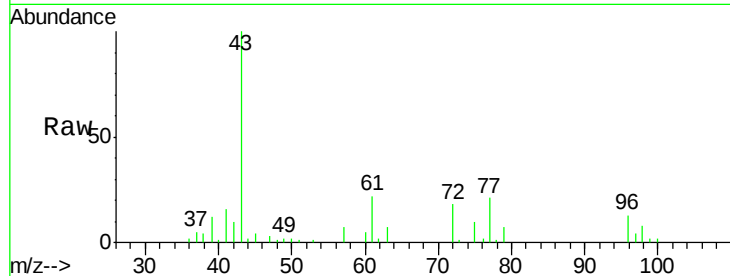
72 18.4 14.7 22.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 104.287 ug/l

RT: 4.75 min Scan# 460

Delta R.T. 0.00 min

Lab File: VD059577.D

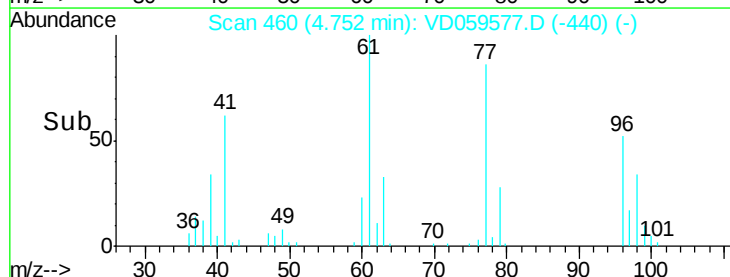
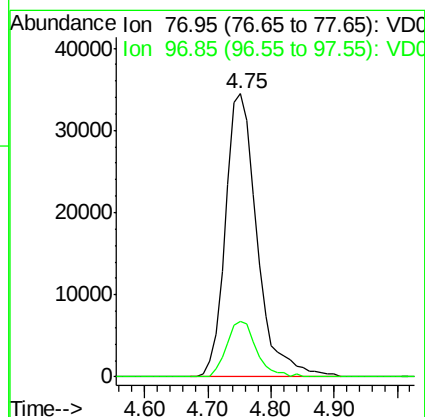
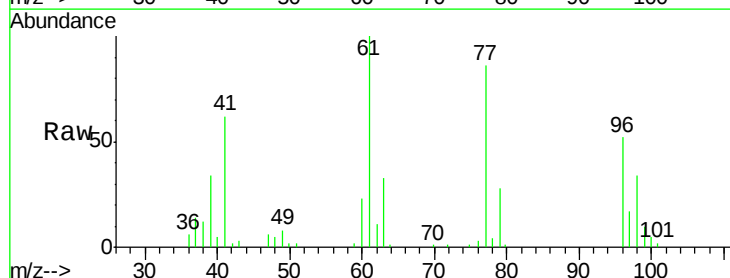
Acq: 24 Jul 2018 18:16

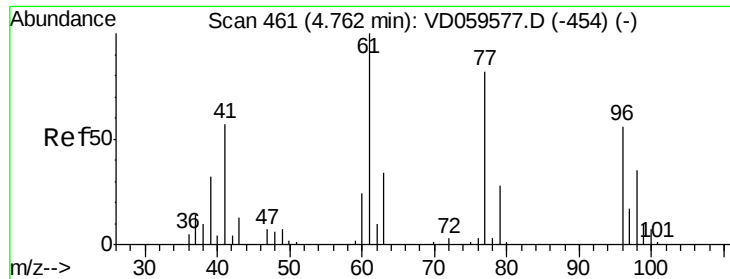
Tgt Ion: 77 Resp: 119642

Ion Ratio Lower Upper

77 100

97 19.4 9.7 29.1





#27

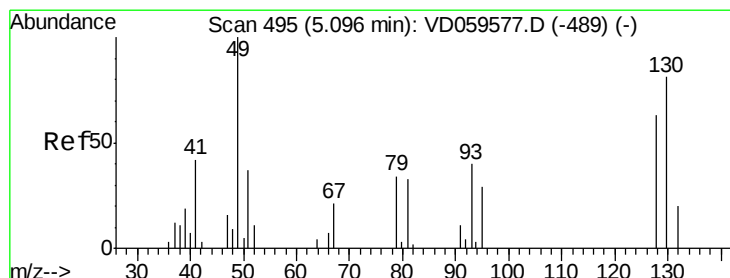
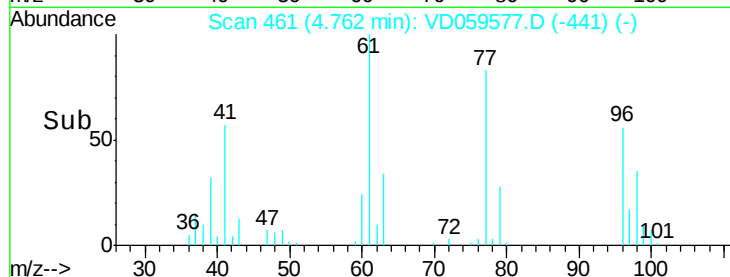
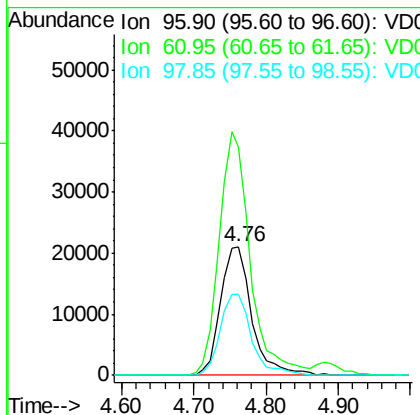
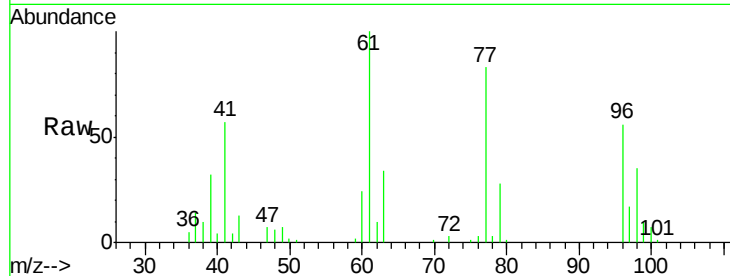
cis-1,2-Dichloroethene
 Concen: 59.567 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	177.5	0.0	355.0
98	62.9	0.0	125.8

Manual Integrations
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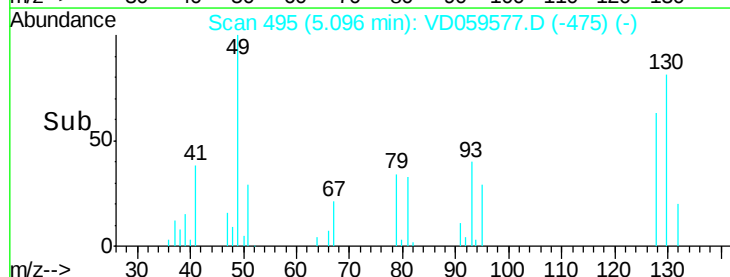
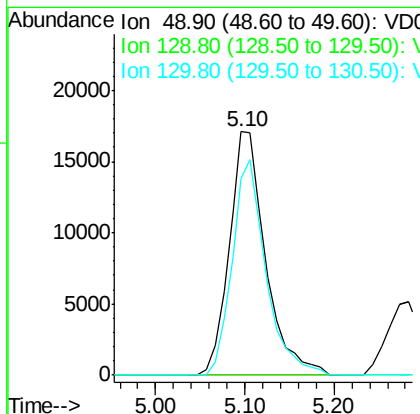
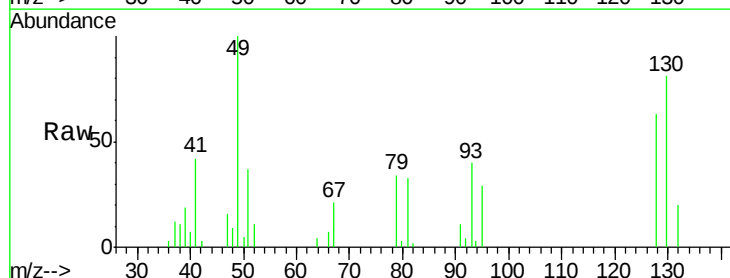
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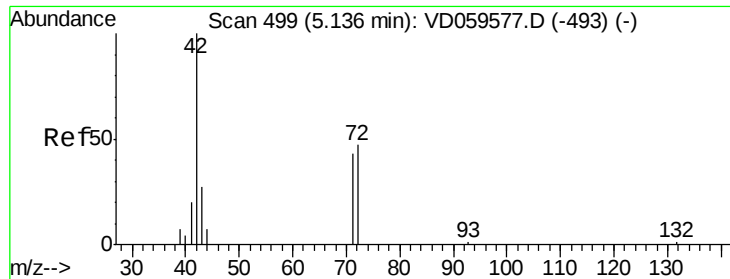


#28

Bromochloromethane
 Concen: 78.211 ug/l
 RT: 5.10 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	80.7	64.6	96.8





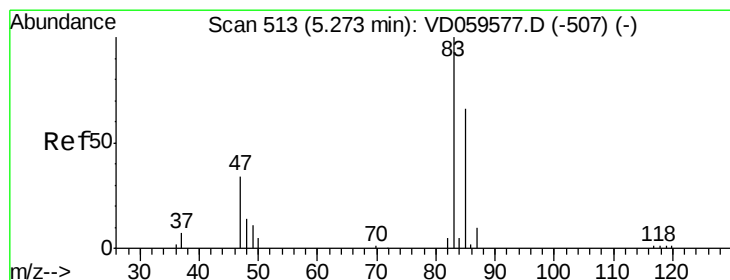
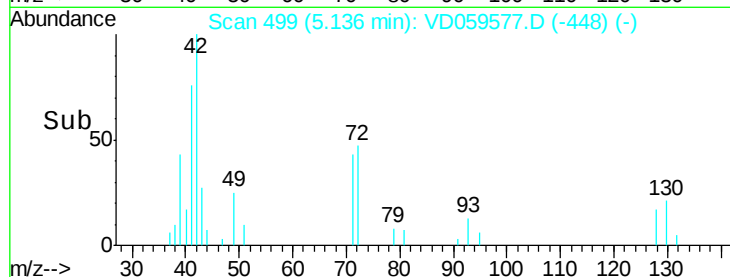
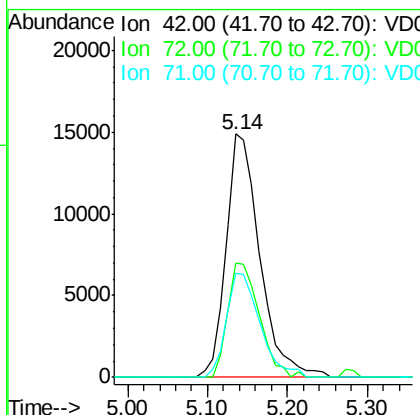
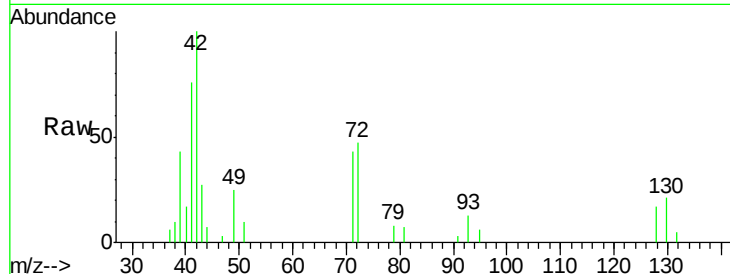
#29
Tetrahydrofuran
Concen: 360.383 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	42.7	34.2	51.2

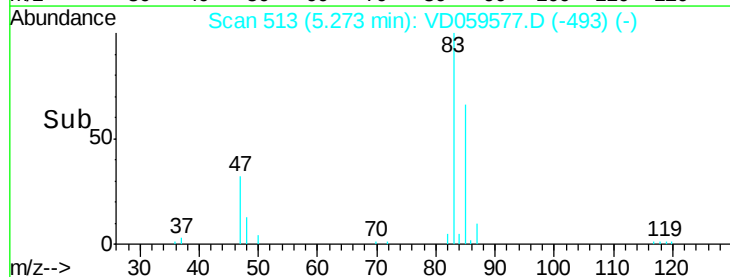
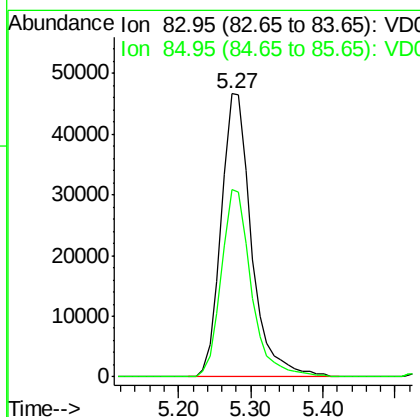
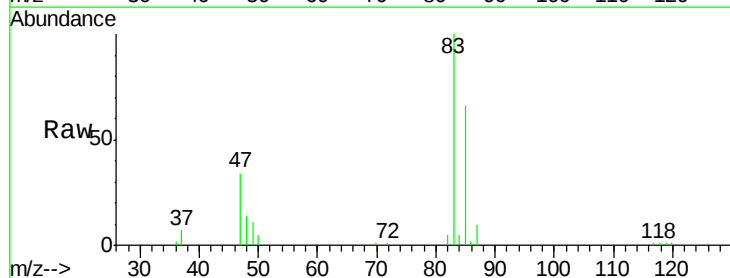
Manual Integrations
APPROVED

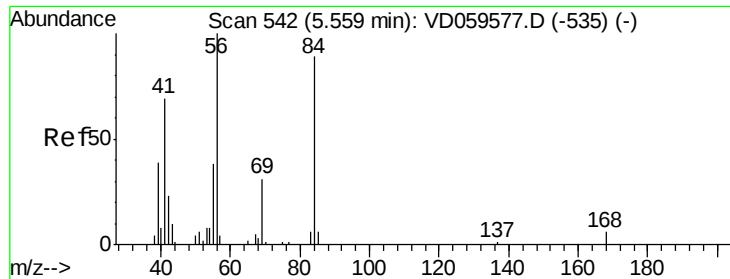
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#30
Chloroform
Concen: 69.101 ug/l
RT: 5.27 min Scan# 513
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.0	79.6





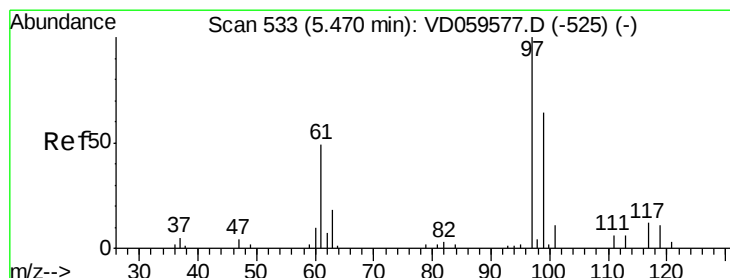
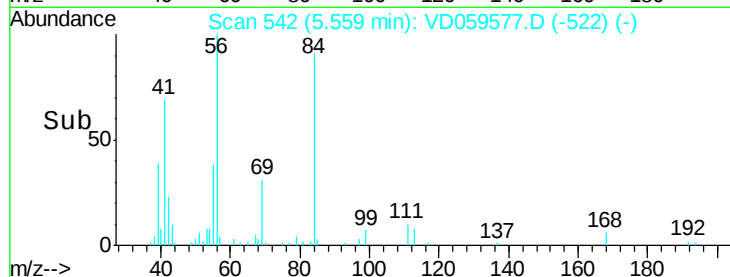
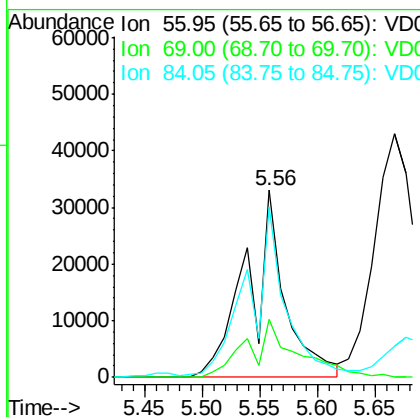
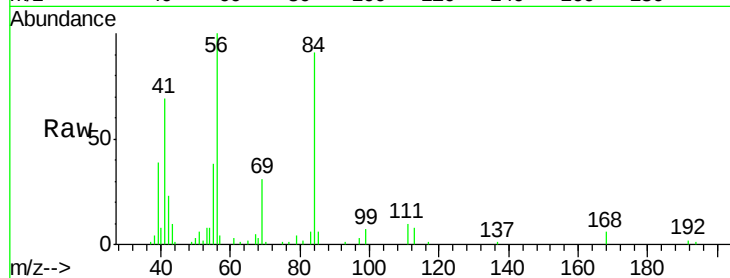
#31
Cyclohexane
Concen: 63.895 ug/l m
RT: 5.56 min Scan# 542
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	37.0
84	90.9	72.7	109.1

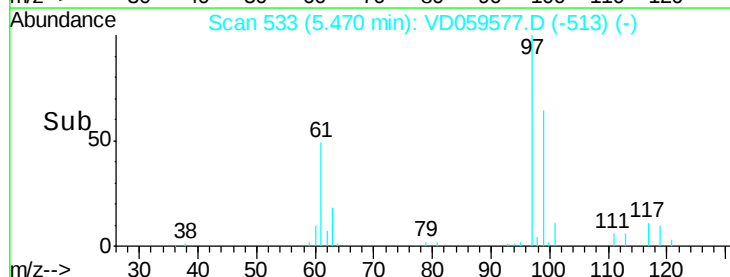
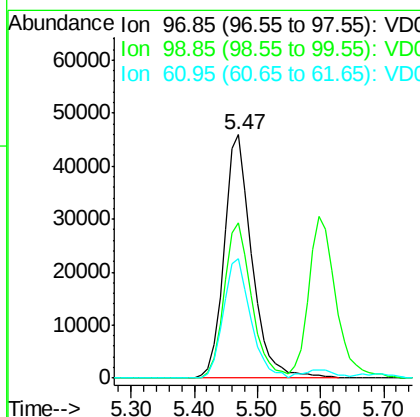
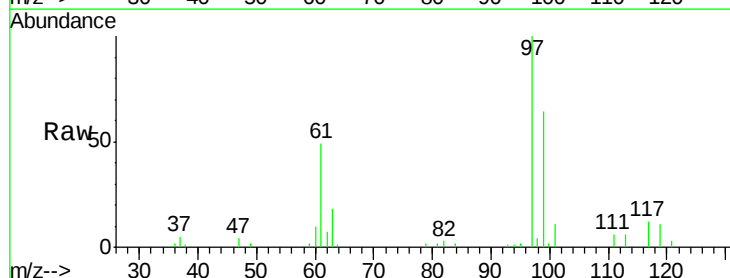
Manual Integrations
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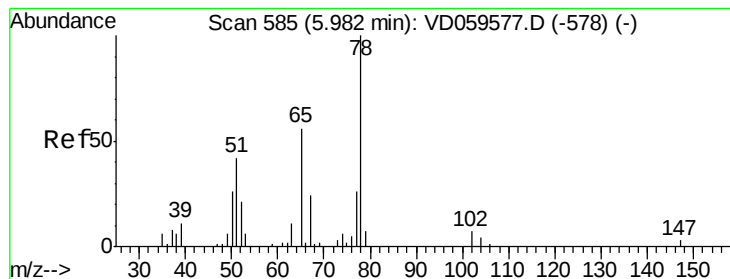
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#32
1,1,1-Trichloroethane
Concen: 79.249 ug/l
RT: 5.47 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	49.0	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 79.249 ug/l

RT: 5.98 min Scan# 585

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 87271

Ion Ratio Lower Upper

65 100

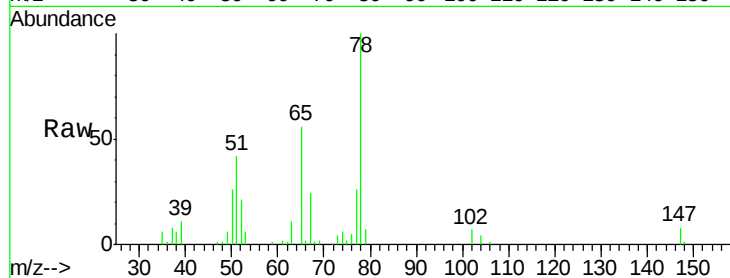
67 43.2 0.0 86.4

Manual Integrations

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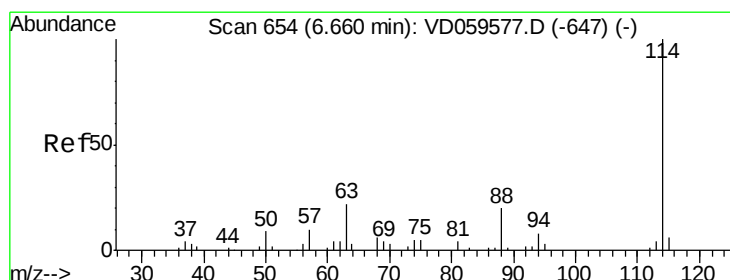
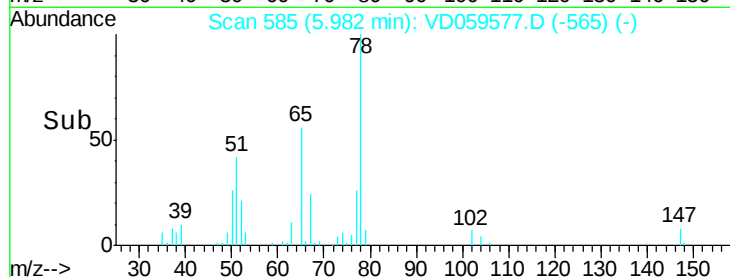
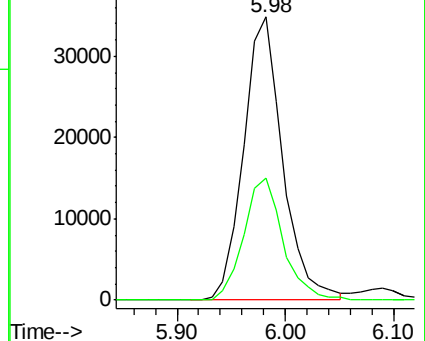
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.66 min Scan# 654

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

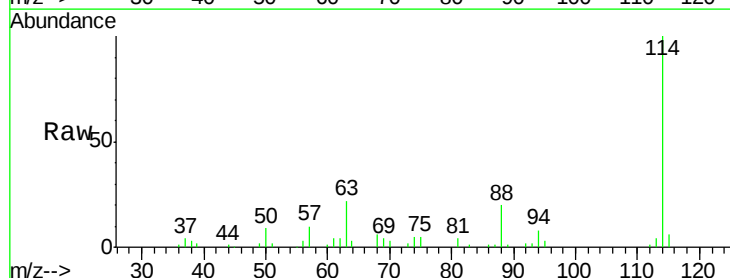
Tgt Ion: 114 Resp: 184898

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

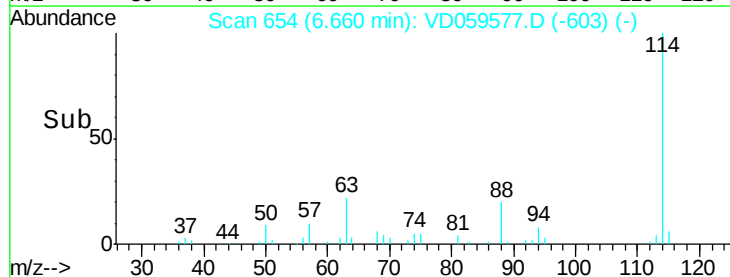
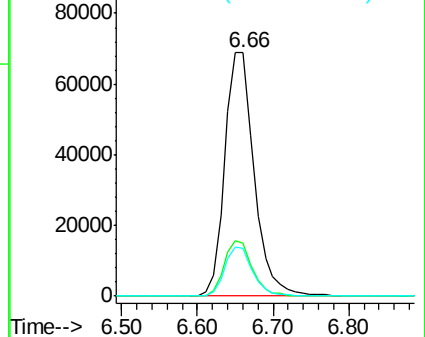
88 19.5 0.0 39.0

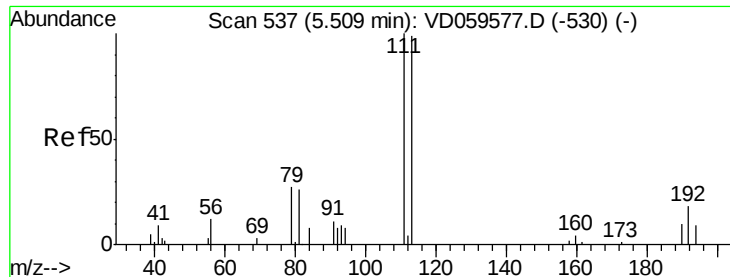


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

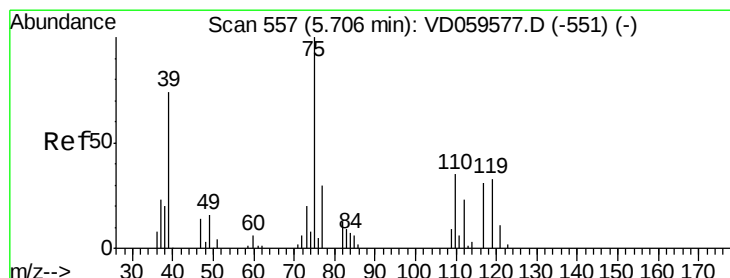
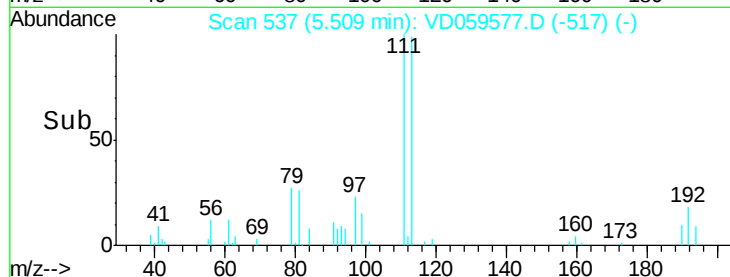
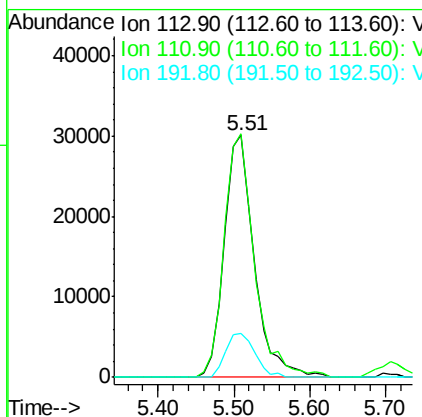
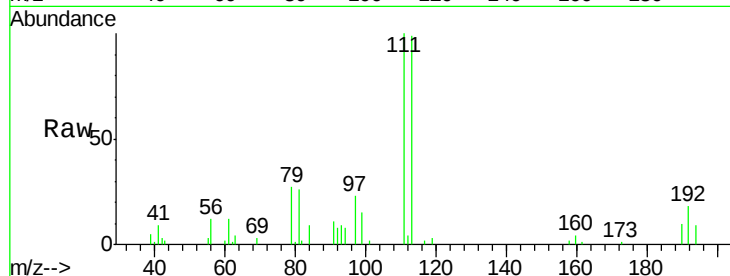
VSTDICCC050

Tot Ion:	113	Resp:	82502
Ion Ratio	Lower	Upper	
113	100		
111	100.6	80.5	120.7
192	18.1	14.5	21.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 55.819 ug/l

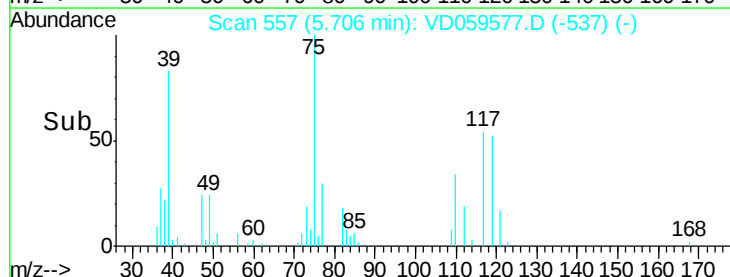
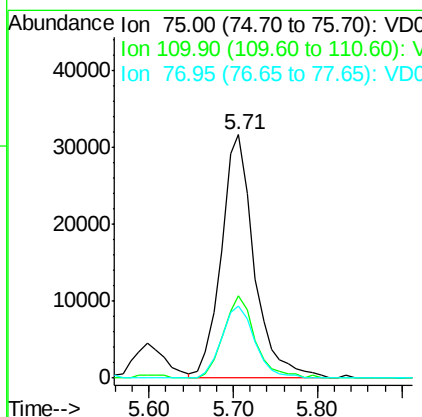
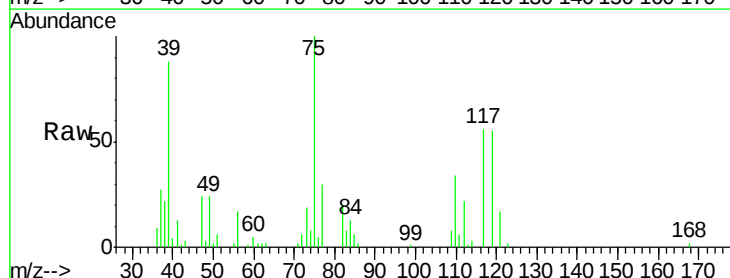
RT: 5.71 min Scan# 557

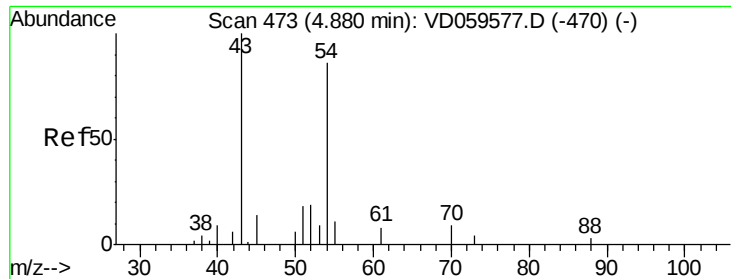
Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Tgt Ion:	75	Resp:	86079
Ion Ratio	Lower	Upper	
75	100		
110	33.9	17.0	50.9
77	29.5	23.6	35.4





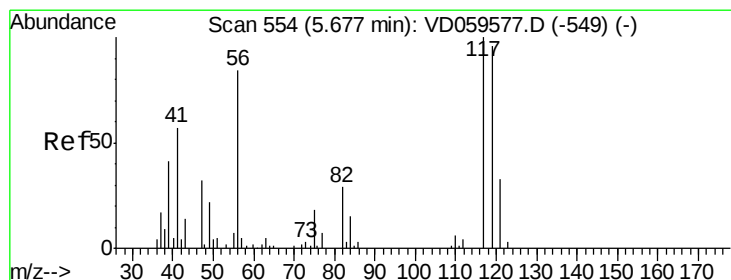
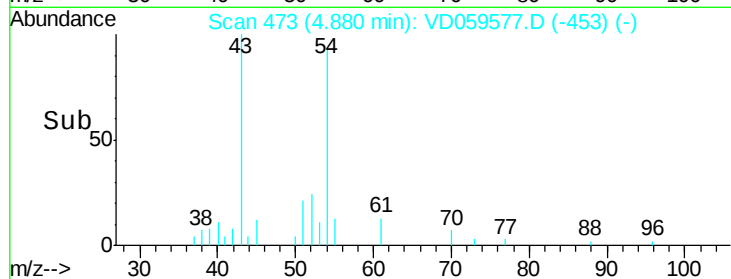
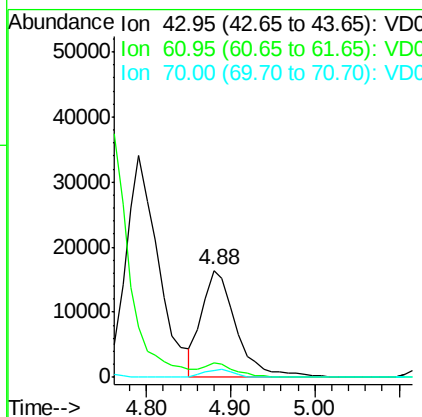
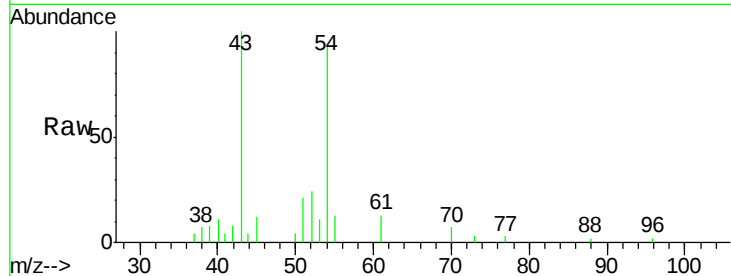
#37
Ethyl Acetate
Concen: 68.932 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	6.7	5.4	8.0

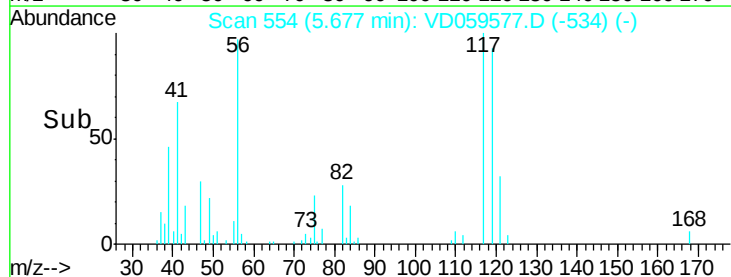
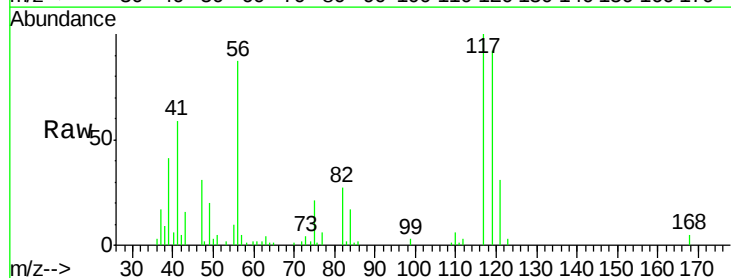
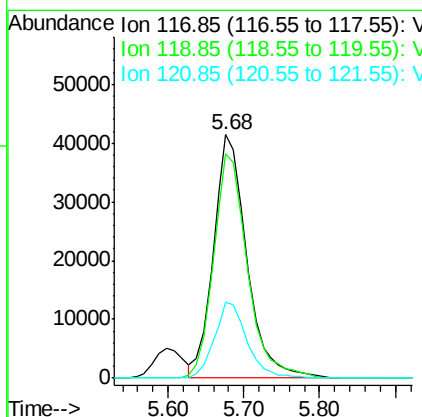
Manual Integrations
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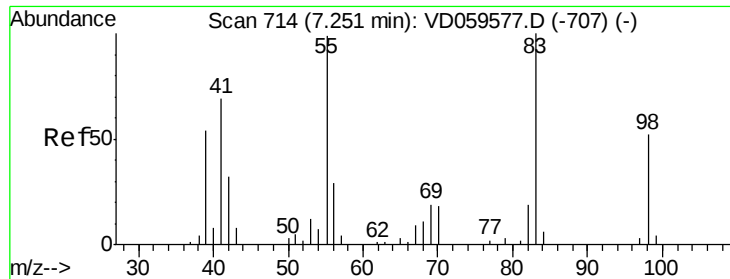
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#38
Carbon Tetrachloride
Concen: 66.018 ug/l
RT: 5.68 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	73.6	110.4
121	31.3	25.0	37.6





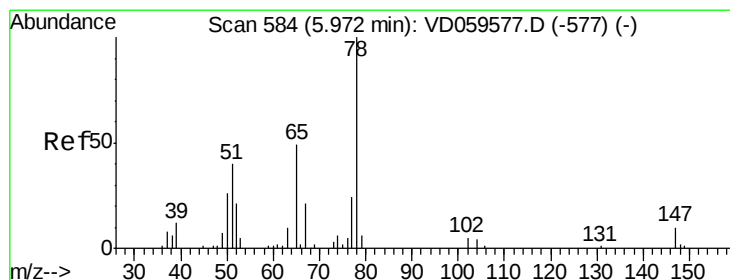
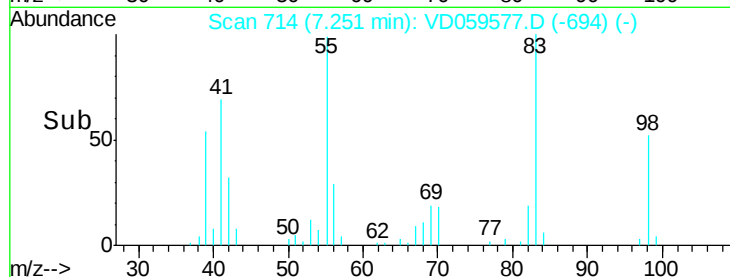
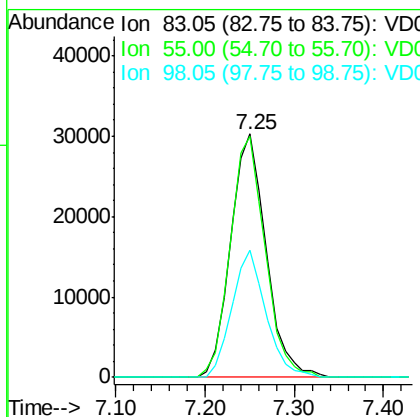
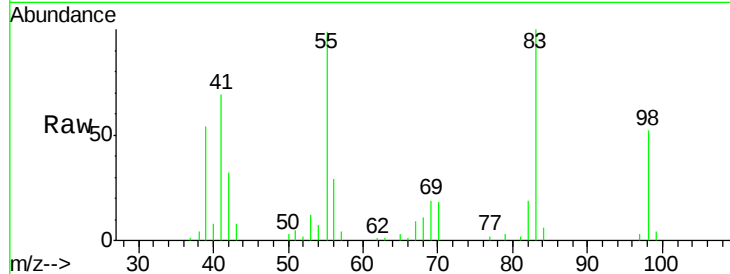
#39
Methvlcvclohexane
Concen: 56.326 ug/l
RT: 7.25 min Scan# 714
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	99.2	79.4	119.0
98	52.0	41.6	62.4

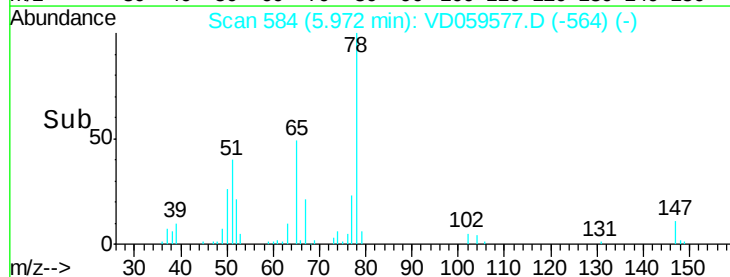
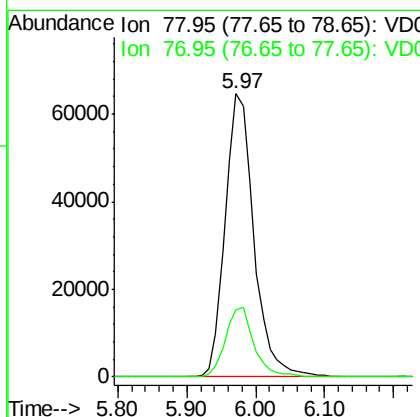
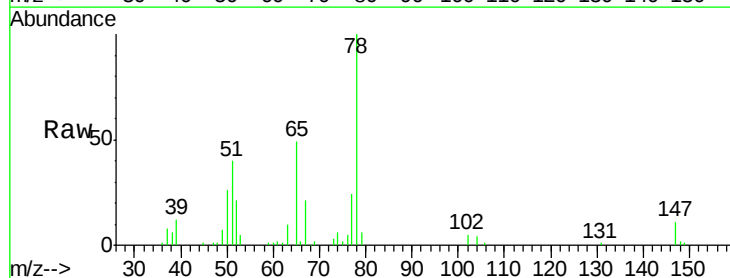
Manual Integrations
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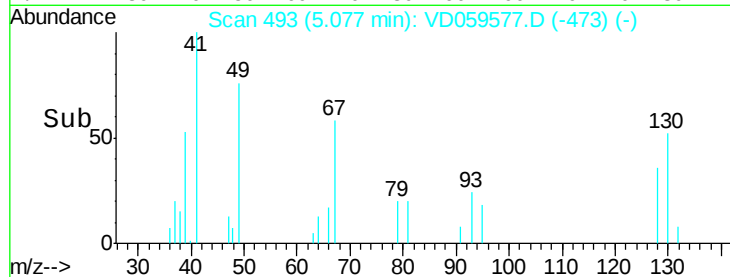
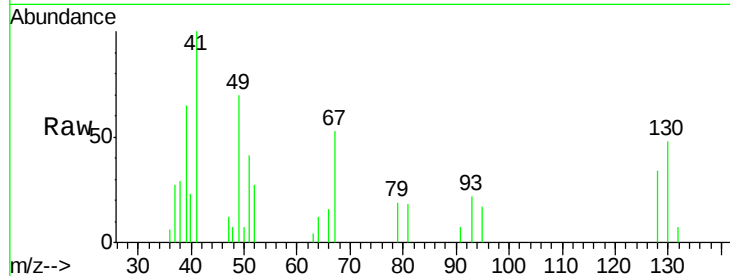
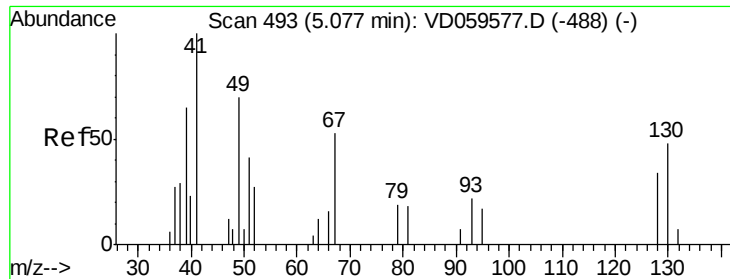
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#40
Benzene
Concen: 52.123 ug/l
RT: 5.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





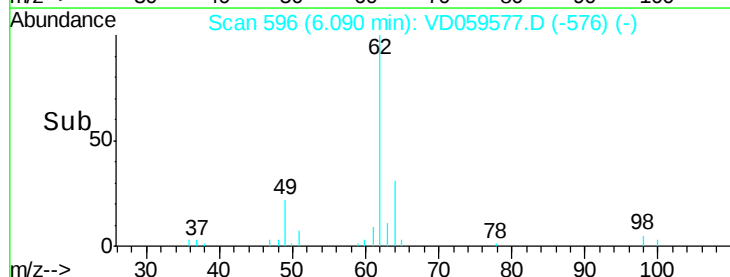
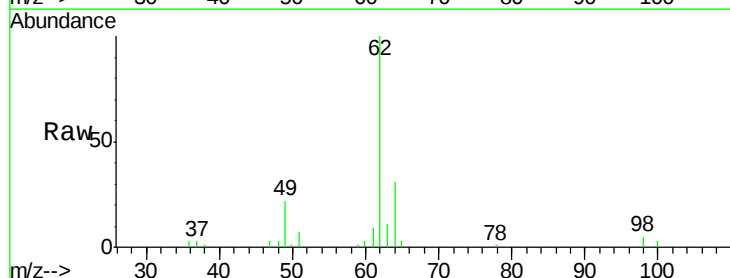
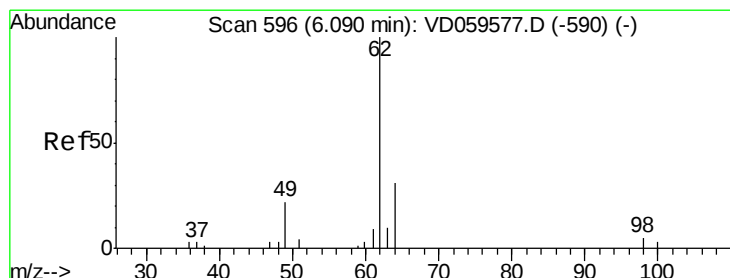
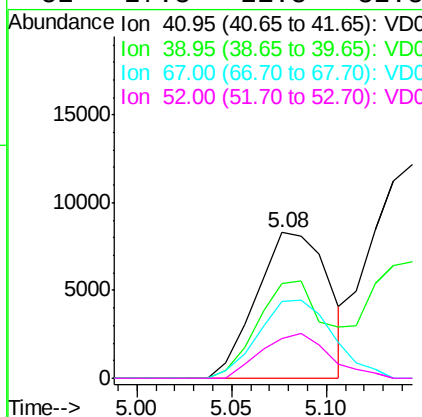
#41
Methacrylonitrile
Concen: 64.542 ug/l
RT: 5.08 min Scan# 493
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.1	52.1	78.1
67	53.1	42.5	63.7
52	27.3	21.8	32.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

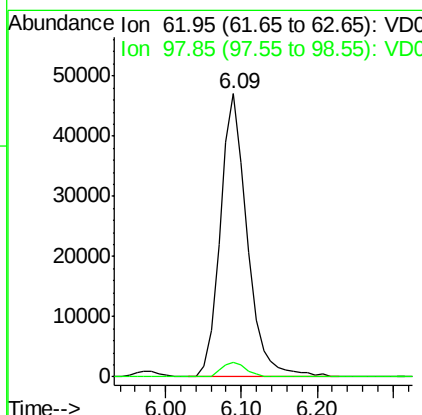
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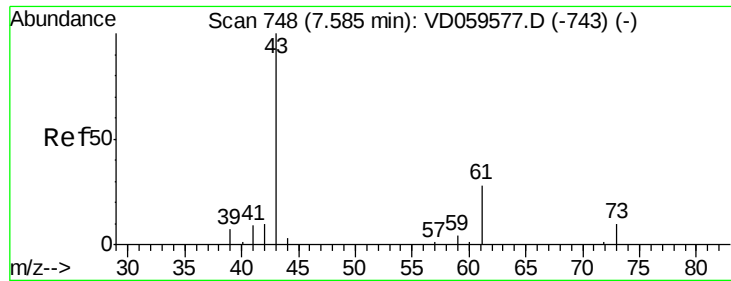
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#42
1,2-Dichloroethane
Concen: 75.290 ug/l
RT: 6.09 min Scan# 596
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	10.2





#43

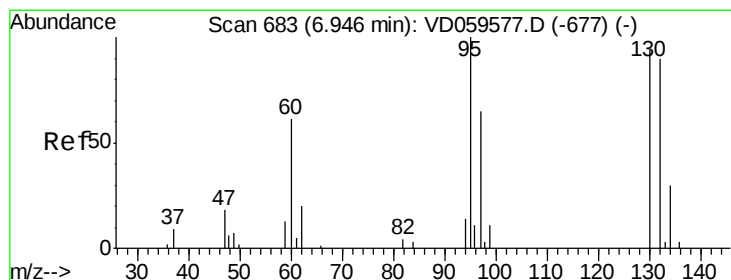
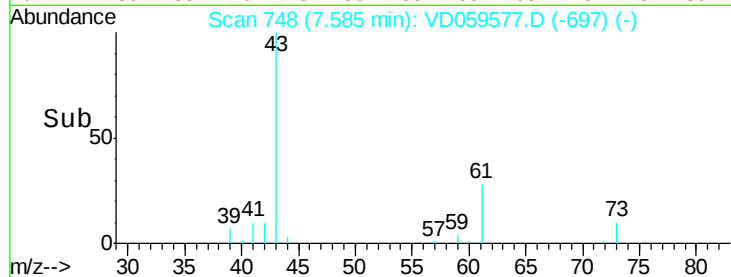
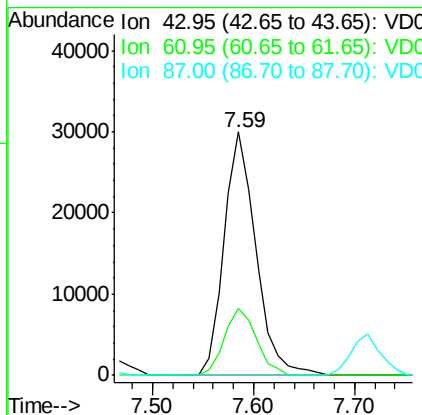
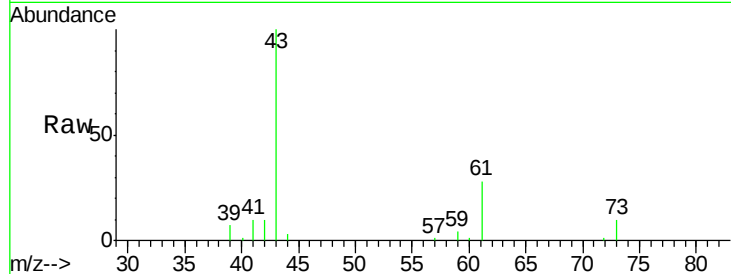
Isopropyl Acetate
 Concen: 69.818 ug/l
 RT: 7.59 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	22.0	33.0
87	0.0	0.0	0.0

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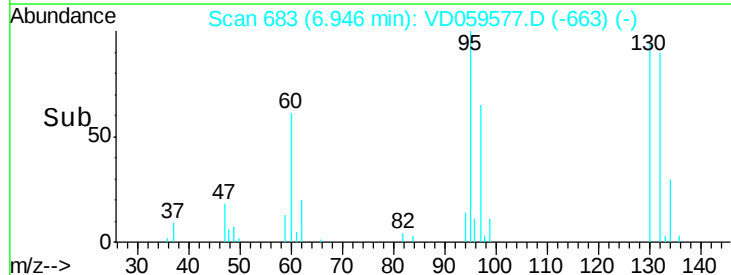
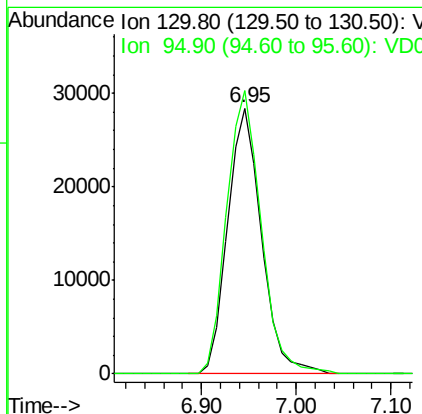
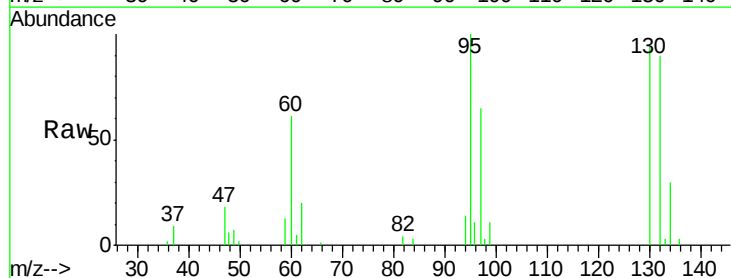
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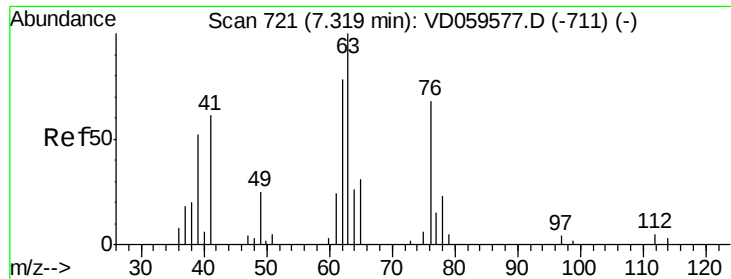


#44

Trichloroethene
 Concen: 44.654 ug/l
 RT: 6.95 min Scan# 683
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	213.2





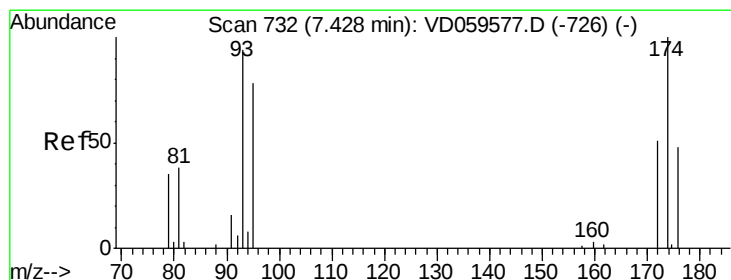
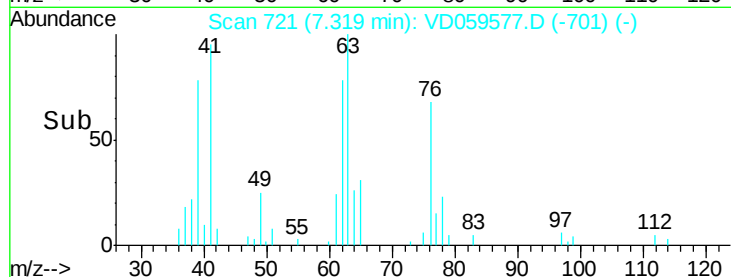
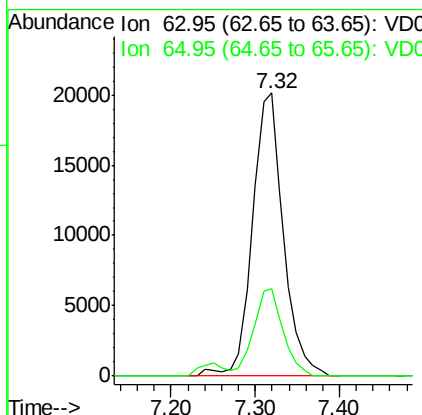
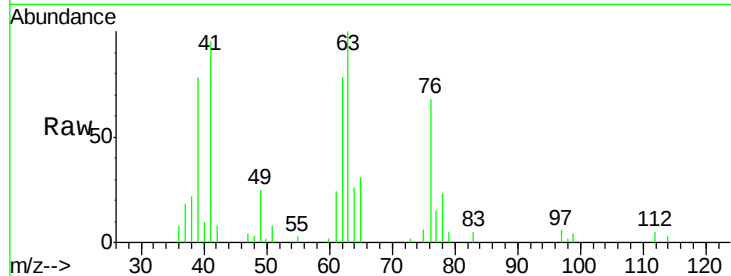
#45
 1,2-Dichloropropane
 Concen: 56.844 ug/l
 RT: 7.32 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 51698
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.9 37.3

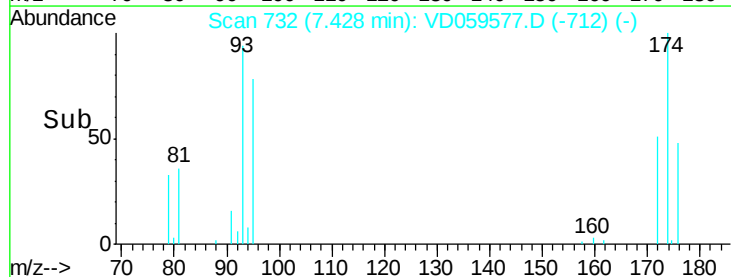
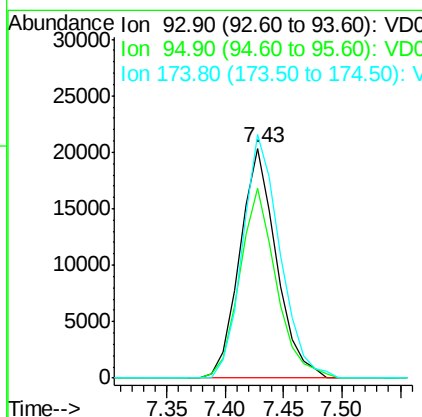
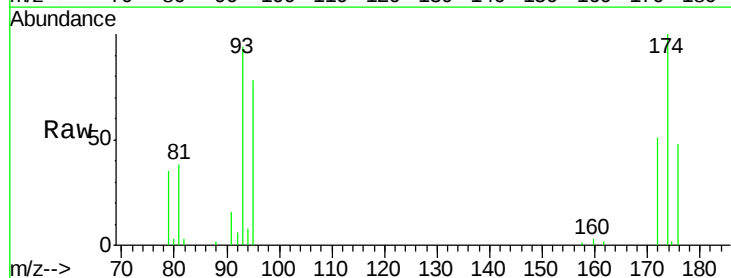
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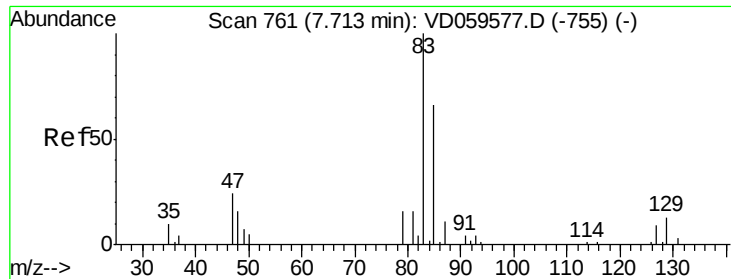
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#46
 Dibromomethane
 Concen: 61.966 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Tgt Ion: 93 Resp: 44172
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.8
 174 105.9 84.7 127.1





#47

Bromodichloromethane

Concen: 64.600 ug/l

RT: 7.71 min Scan# 761

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

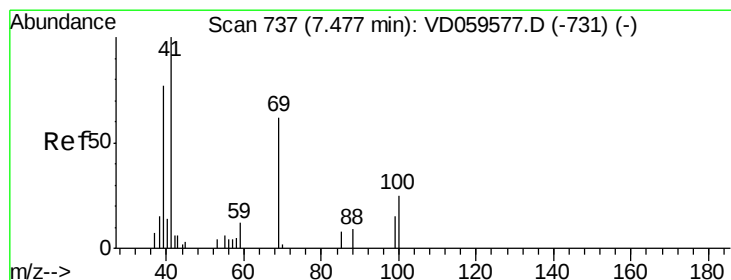
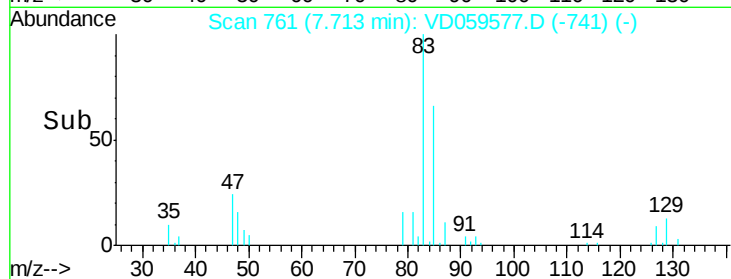
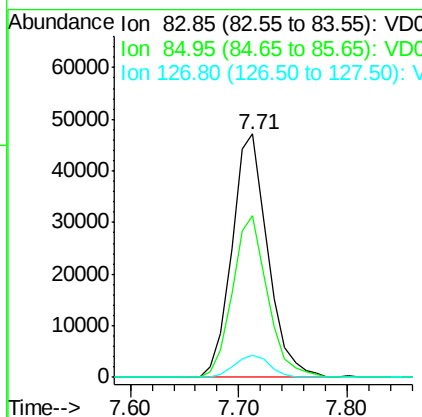
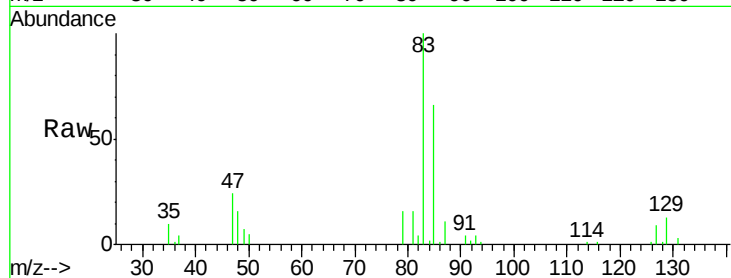
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	108110
Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.1	79.7
127	9.2	7.4	11.0

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#48

Methyl methacrylate

Concen: 70.882 ug/l

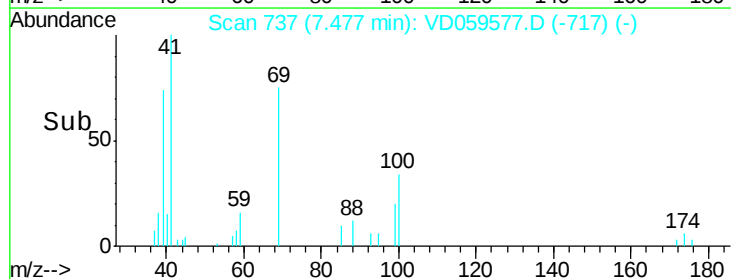
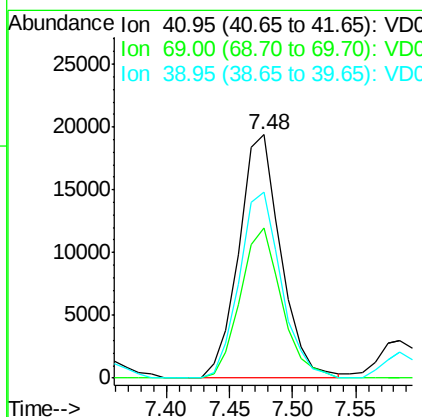
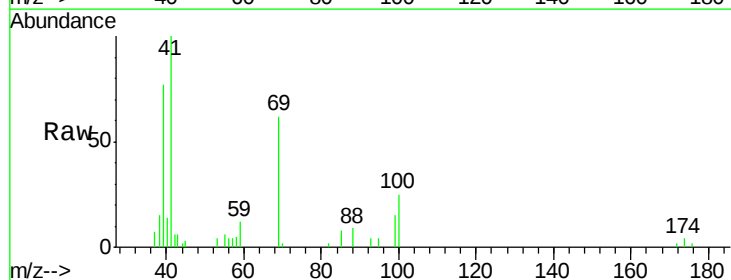
RT: 7.48 min Scan# 737

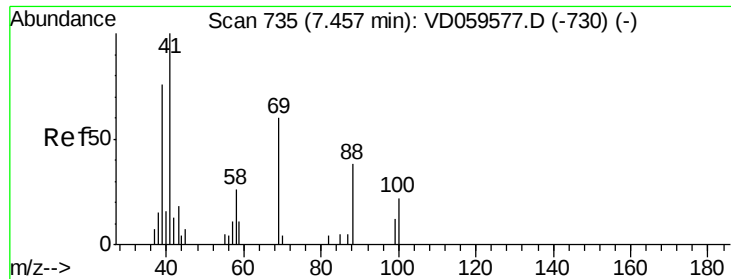
Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Tgt Ion:	41	Resp:	44619
Ion	Ratio	Lower	Upper
41	100		
69	61.7	49.4	74.0
39	76.6	61.3	91.9





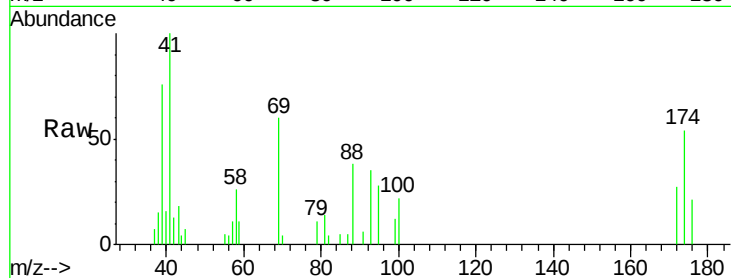
#49
1,4-Dioxane
Concen: 1183.449 ug/l
RT: 7.46 min Scan# 735
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

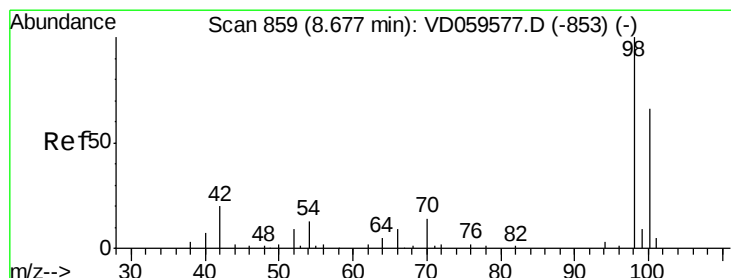
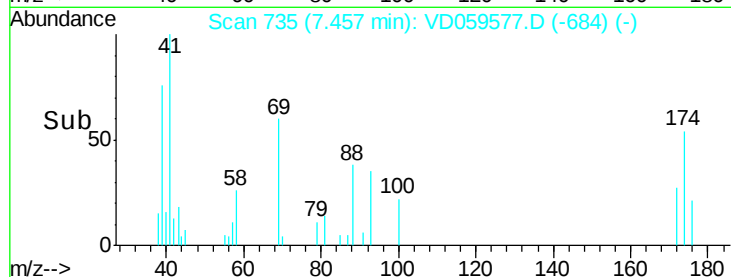
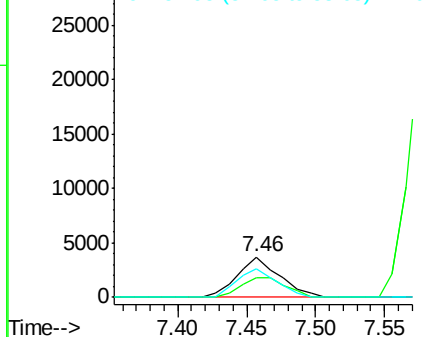
Tot Ion	Ratio	Lower	Upper
88	100		
43	46.8	37.4	56.2
58	69.5	55.6	83.4

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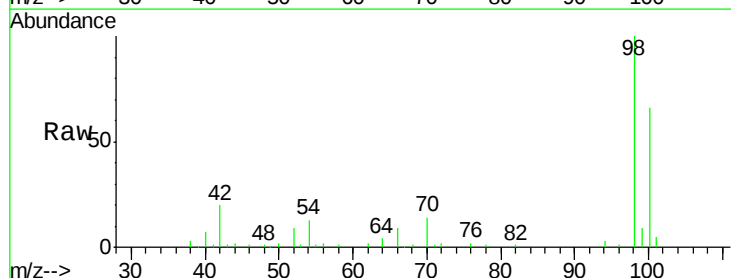


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

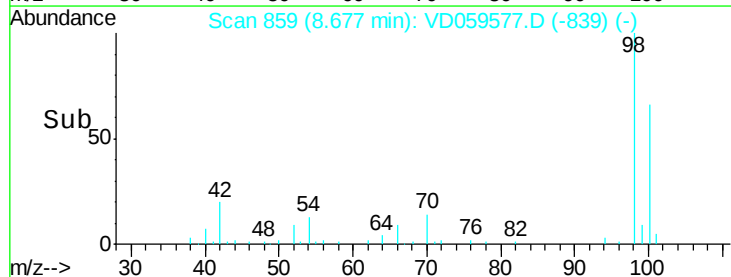
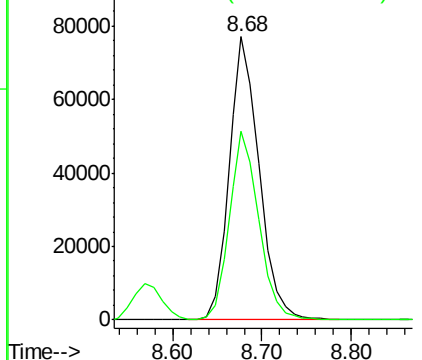


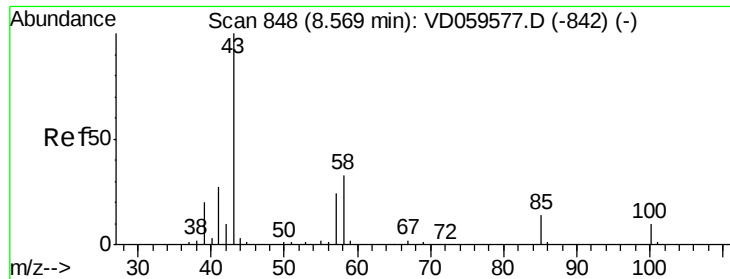
#50
Toluene-d8
Concen: 1183.449 ug/l
RT: 8.68 min Scan# 859
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.2	79.8



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: 330.815 ug/l

RT: 8.57 min Scan# 848

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 208680

Ion Ratio Lower Upper

43 100

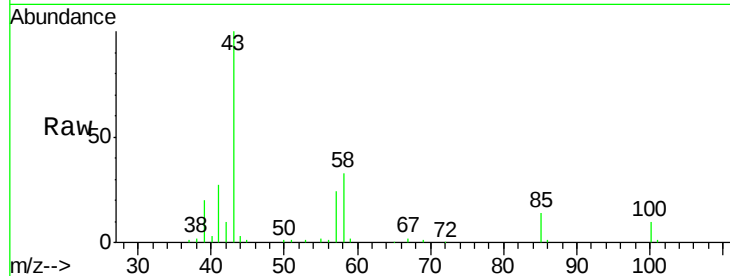
58 32.9 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.57

100000

80000

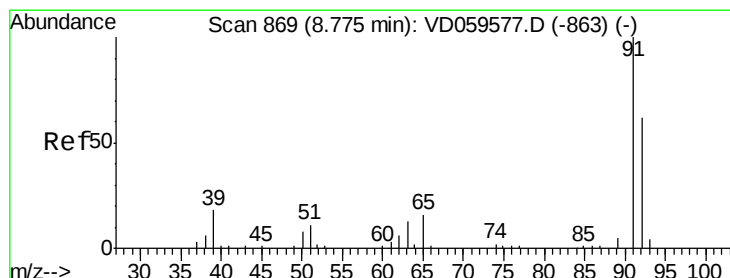
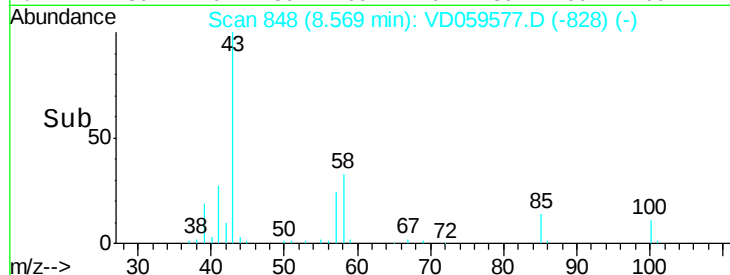
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 53.404 ug/l

RT: 8.78 min Scan# 869

Delta R.T. 0.00 min

Lab File: VD059577.D

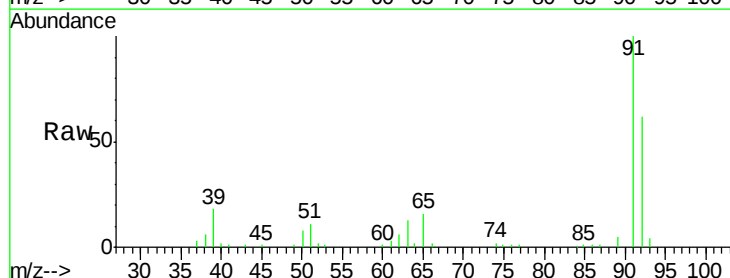
Acq: 24 Jul 2018 18:16

Tgt Ion: 92 Resp: 122835

Ion Ratio Lower Upper

92 100

91 161.8 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.78

100000

80000

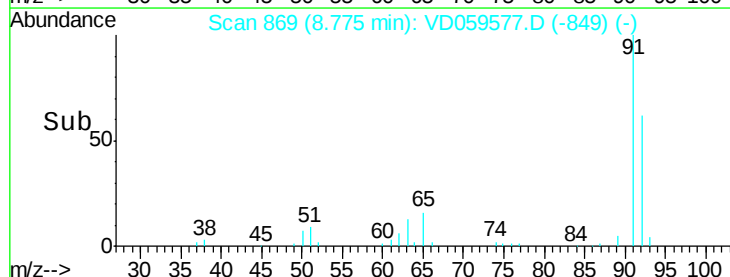
60000

40000

20000

0

Time-->





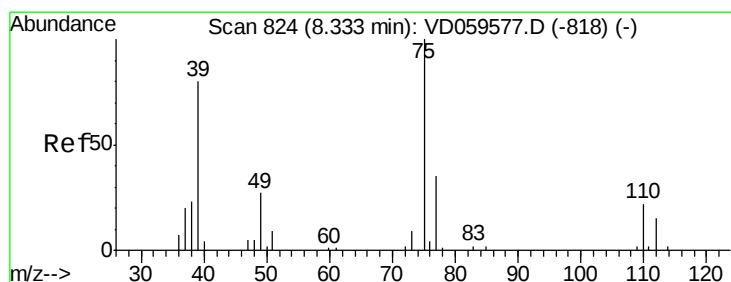
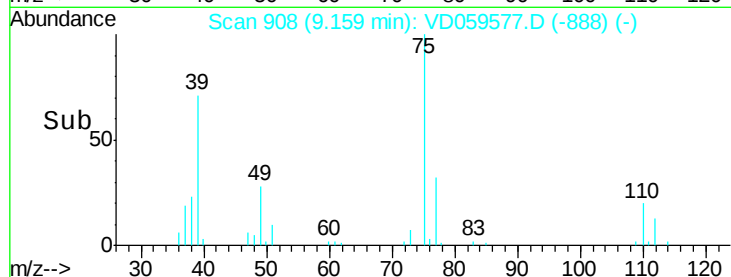
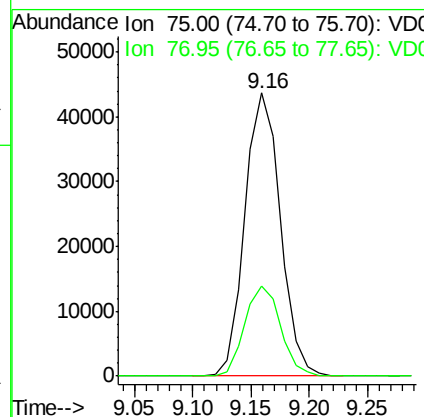
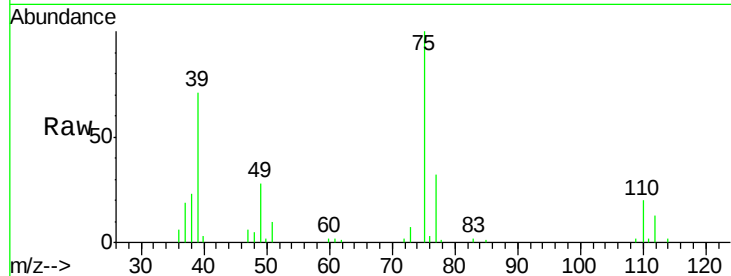
#53
t-1,3-Dichloropropene
Concen: 68.955 ug/l
RT: 9.16 min Scan# 908
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 92167
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0

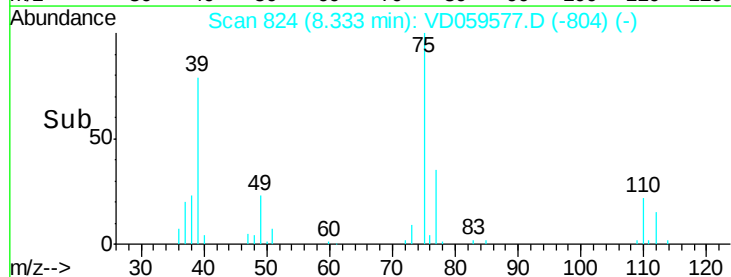
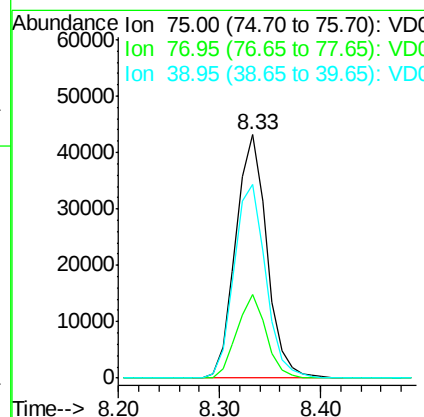
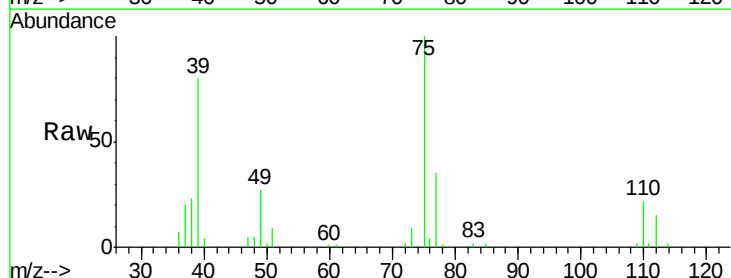
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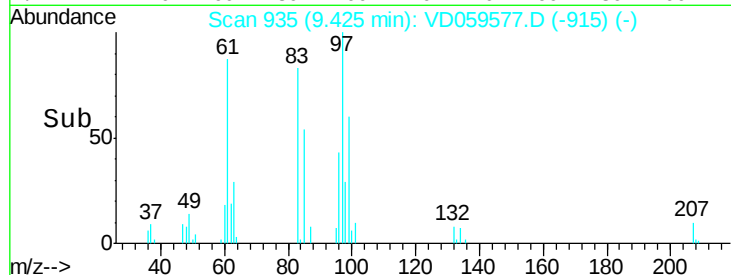
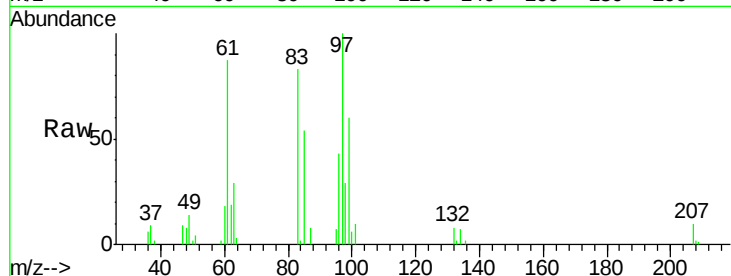
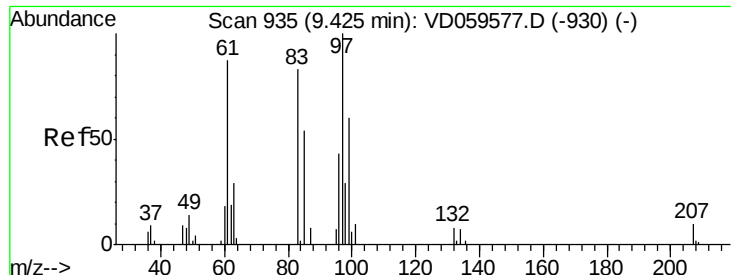
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#54
cis-1,3-Dichloropropene
Concen: 63.188 ug/l
RT: 8.33 min Scan# 824
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion: 75 Resp: 92851
Ion Ratio Lower Upper
75 100
77 34.6 27.7 41.5
39 79.8 63.8 95.8





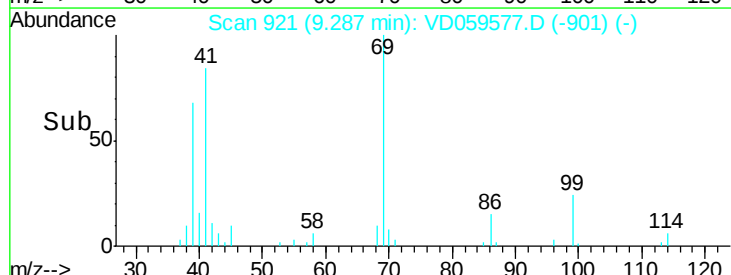
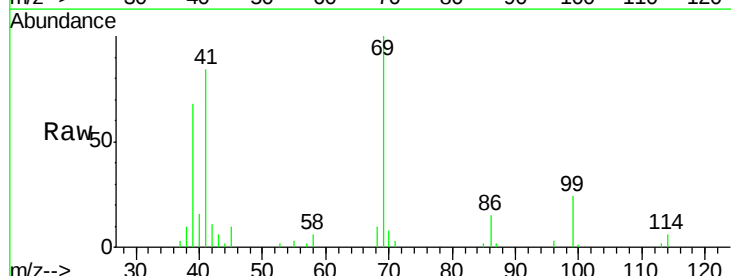
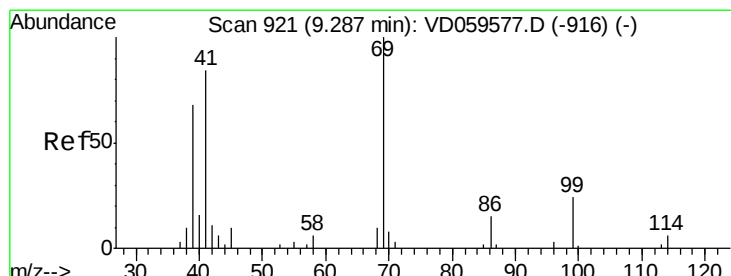
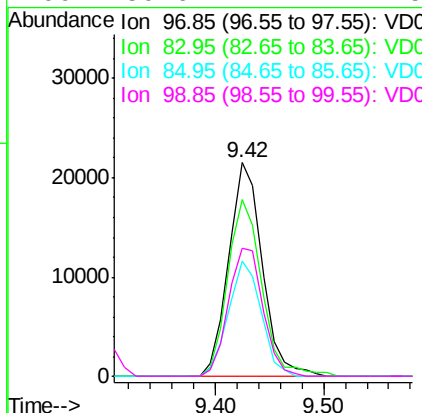
#55
 1,1,2-Trichloroethane
 Concen: 55.953 ug/l
 RT: 9.42 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Tot Ion:	97	Resp:	46465
Ion	Ratio	Lower	Upper
97	100		
83	82.9	66.3	99.5
85	53.8	43.0	64.6
99	59.6	47.7	71.5

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

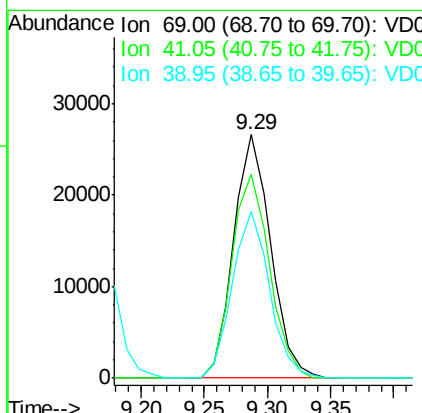
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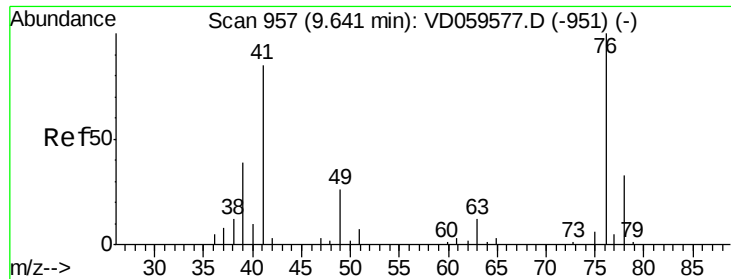
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#56
 Ethyl methacrylate
 Concen: 59.888 ug/l
 RT: 9.29 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Tgt Ion:	69	Resp:	54049
Ion	Ratio	Lower	Upper
69	100		
41	83.5	66.8	100.2
39	68.4	54.7	82.1





#57

1,3-Dichloropropane

Concen: 56.797 ug/l

RT: 9.64 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 73206

Ion Ratio Lower Upper

76 100

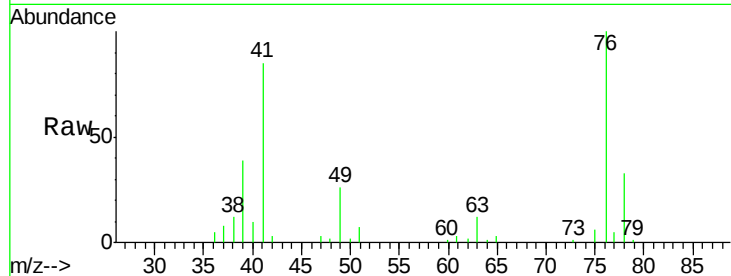
78 32.5 26.0 39.0

Manual Integrations

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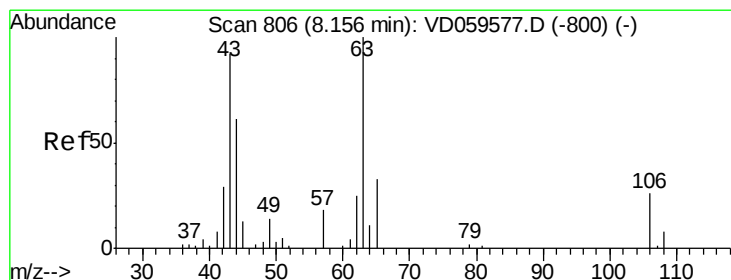
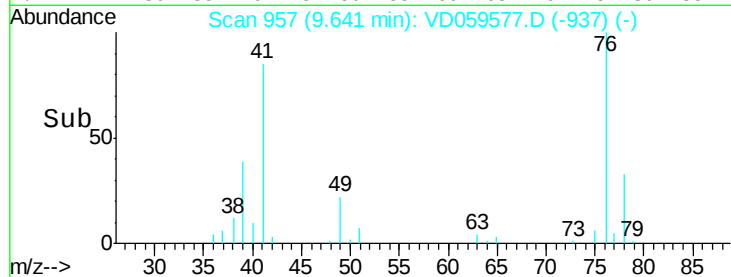
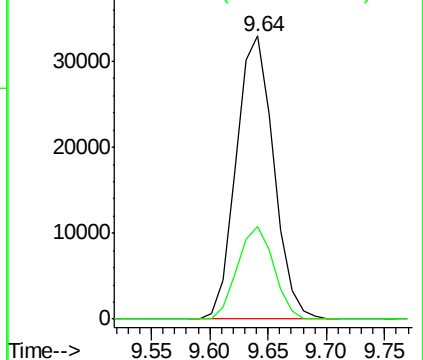
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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 322.237 ug/l

RT: 8.16 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD059577.D

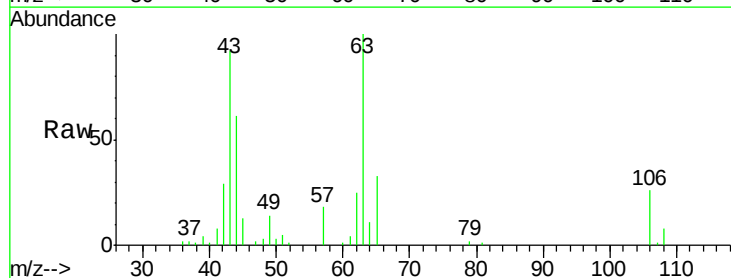
Acq: 24 Jul 2018 18:16

Tgt Ion: 63 Resp: 131854

Ion Ratio Lower Upper

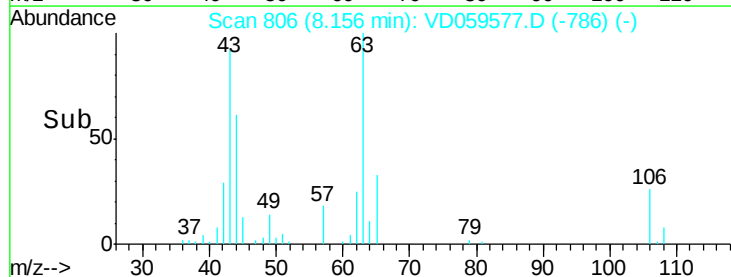
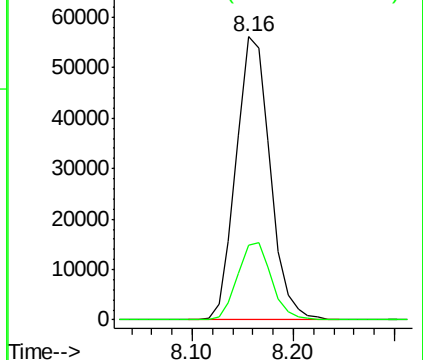
63 100

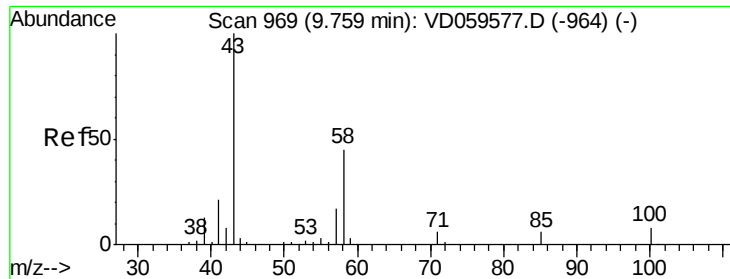
106 26.3 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





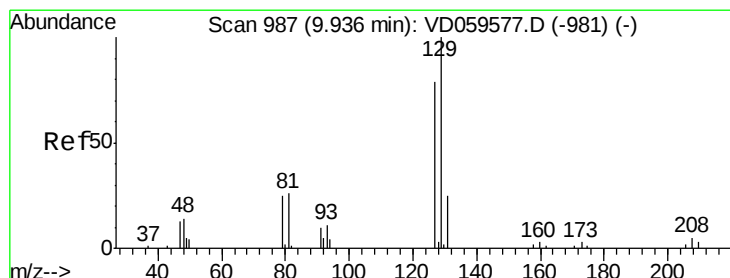
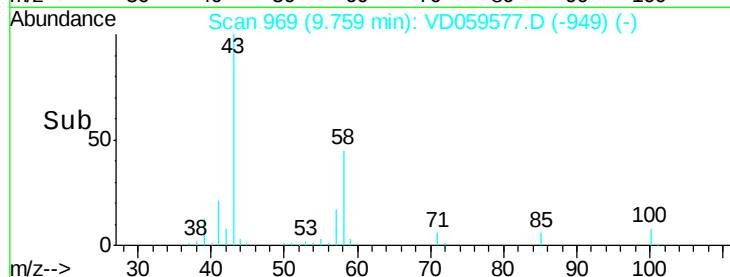
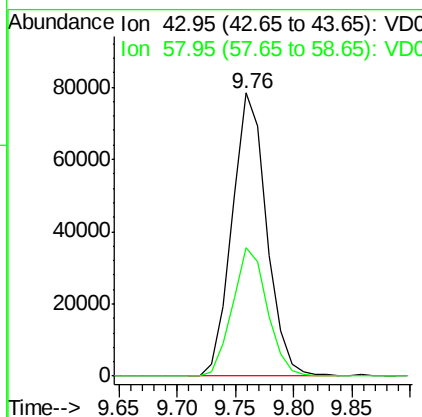
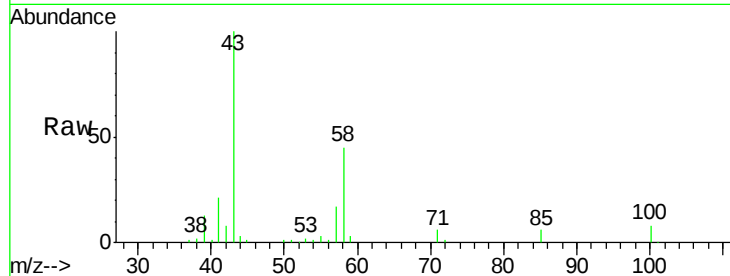
#59
2-Hexanone
Concen: 354.665 ug/l
RT: 9.76 min Scan# 969
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 160593
Ion Ratio Lower Upper
43 100
58 45.4 22.7 68.1

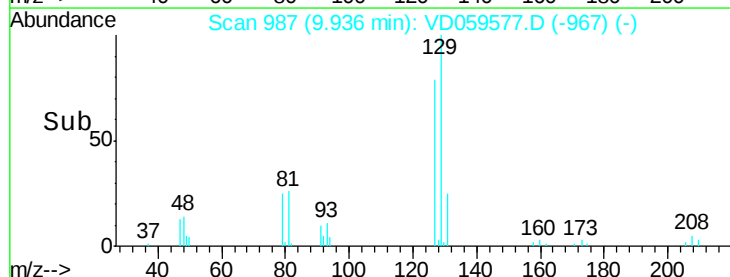
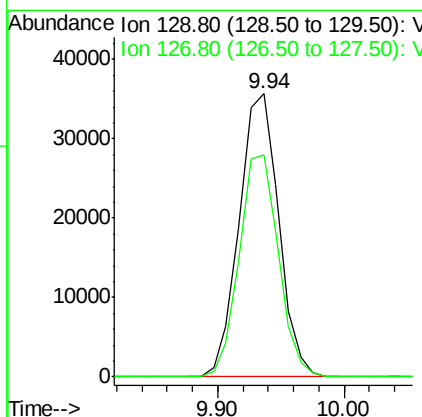
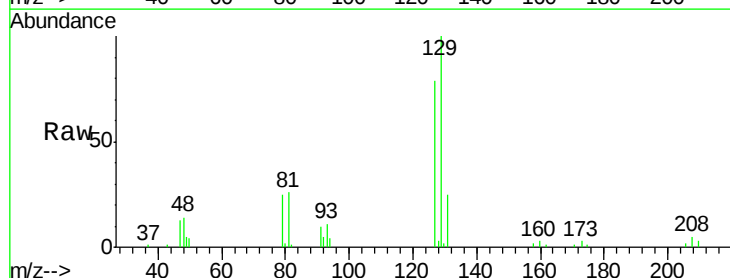
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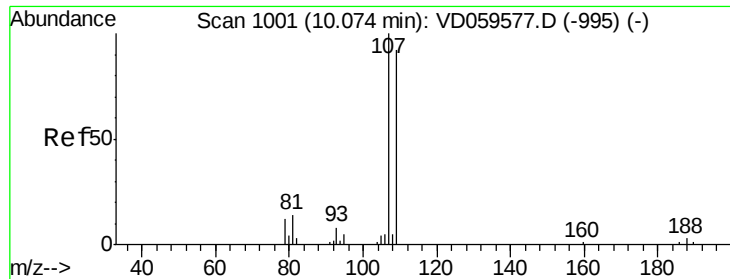
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#60
Dibromochloromethane
Concen: 52.055 ug/l
RT: 9.94 min Scan# 987
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion: 129 Resp: 77569
Ion Ratio Lower Upper
129 100
127 78.6 39.3 117.9





#61

1,2-Dibromoethane

Concen: 55.923 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 54647

Ion Ratio Lower Upper

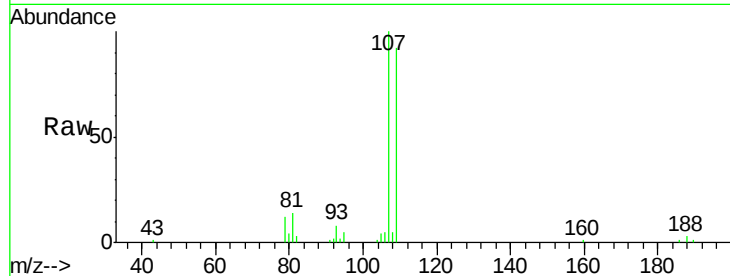
107 100

109 91.7 73.4 110.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.07

25000

20000

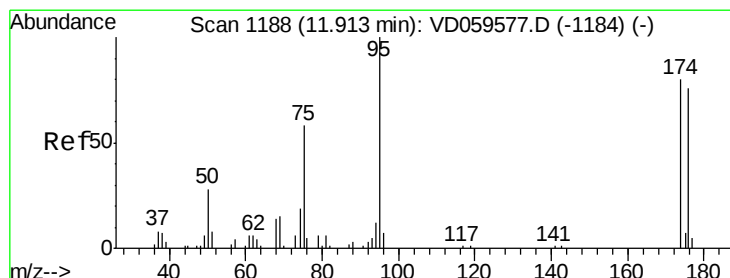
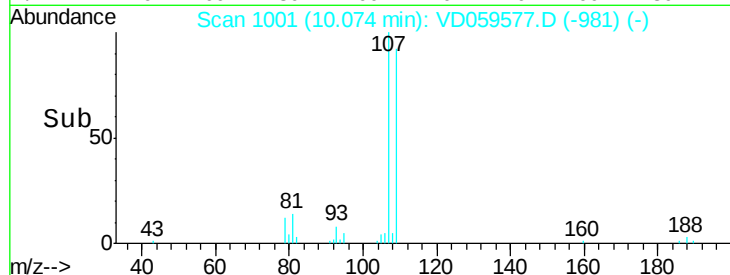
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.923 ug/l

RT: 11.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

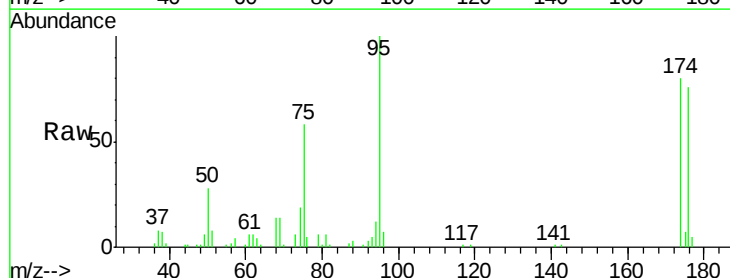
Tgt Ion: 95 Resp: 78290

Ion Ratio Lower Upper

95 100

174 80.3 0.0 160.6

176 76.4 0.0 152.8



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

11.91

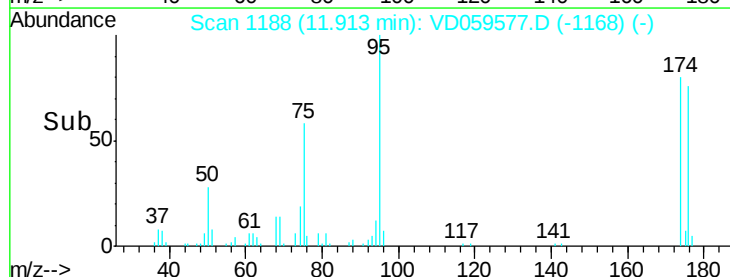
60000

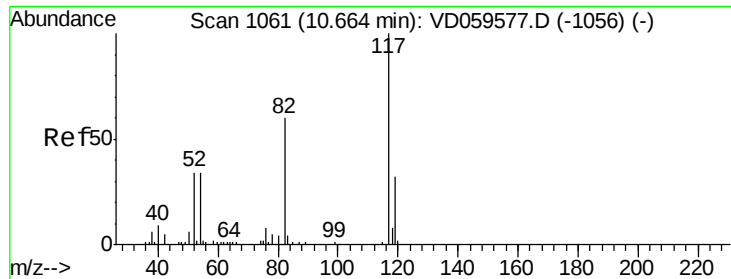
40000

20000

0

Time-->





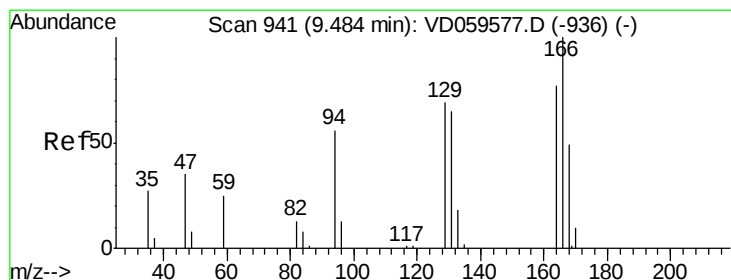
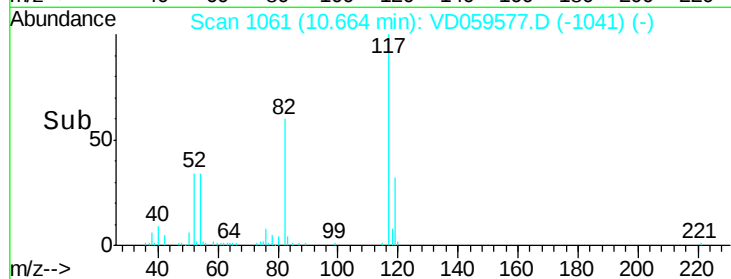
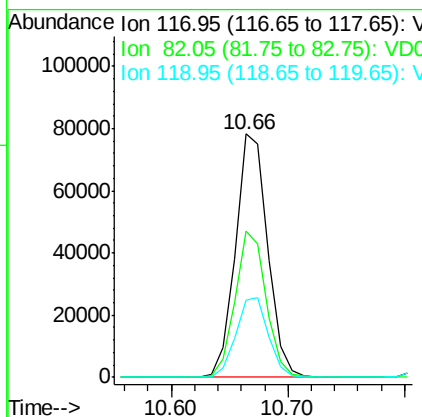
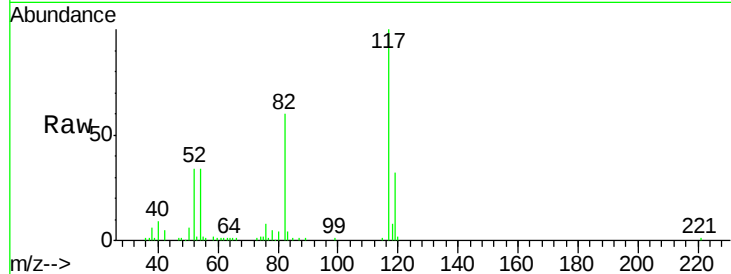
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.66 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	48.2	72.2
119	31.8	25.4	38.2

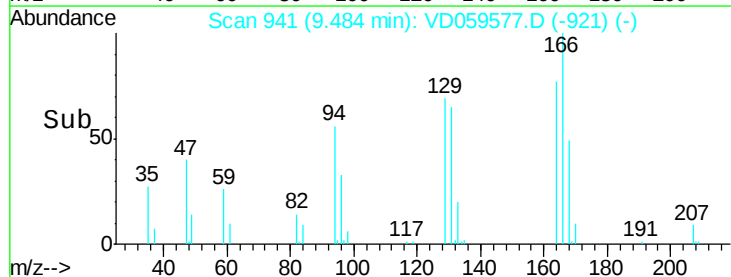
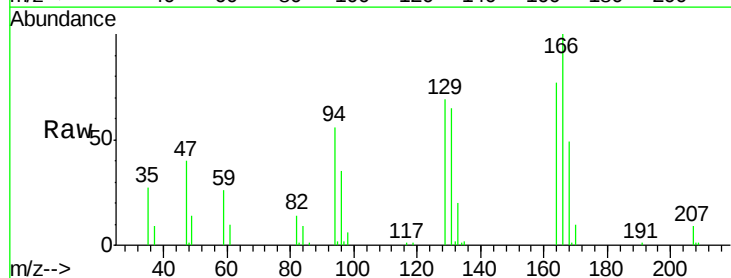
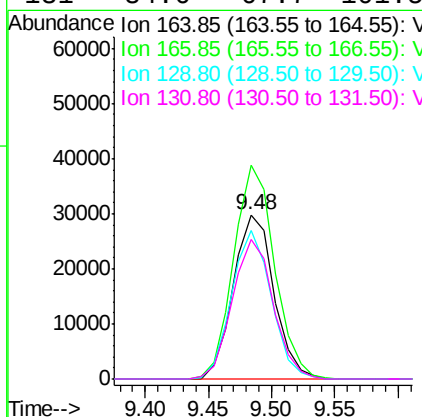
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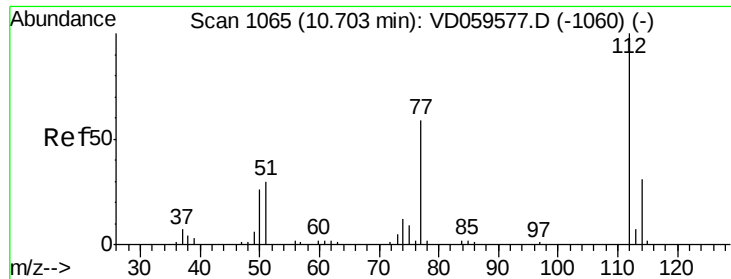
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#64
Tetrachloroethene
Concen: 33.204 ug/l
RT: 9.48 min Scan# 941
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	90.3	72.2	108.4
131	84.6	67.7	101.5





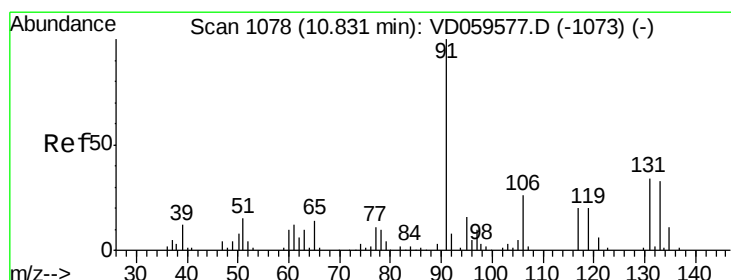
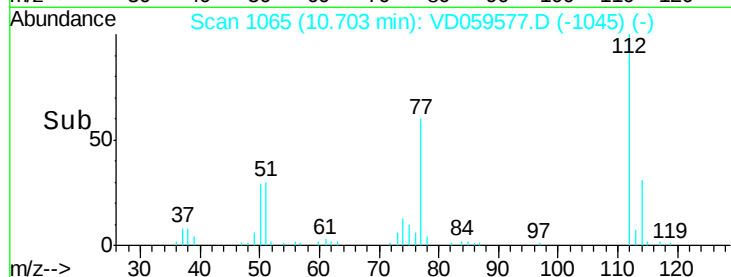
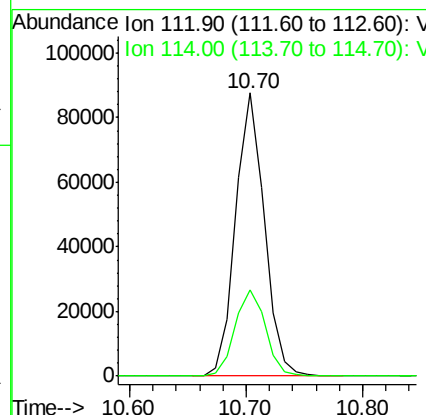
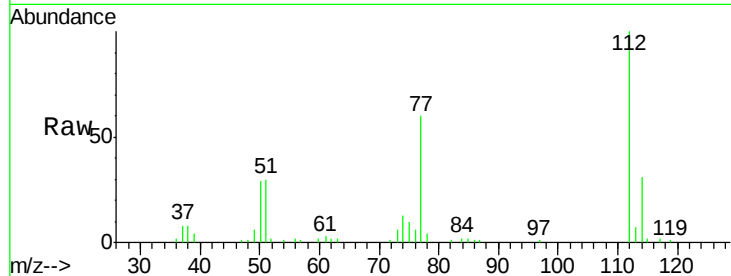
#65
Chlorobenzene
Concen: 51.159 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 150015
Ion Ratio Lower Upper
112 100
114 30.6 24.5 36.7

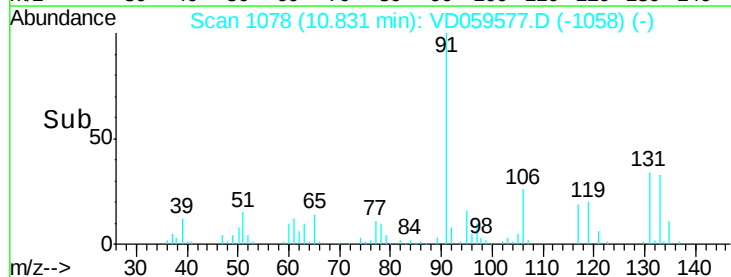
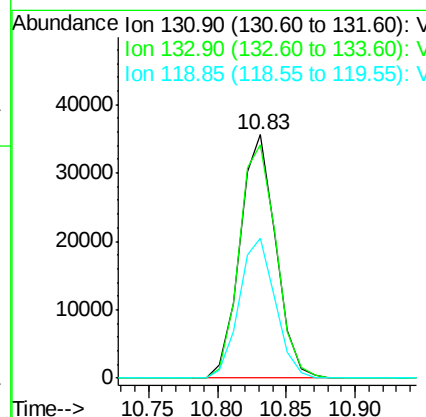
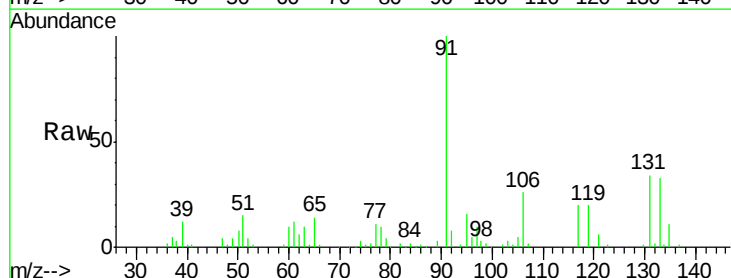
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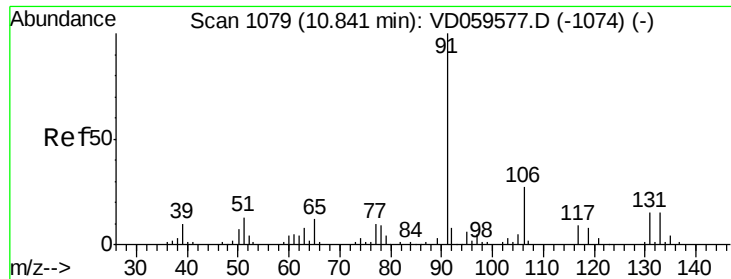
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.439 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion:131 Resp: 64259
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.7
119 57.4 28.7 86.1





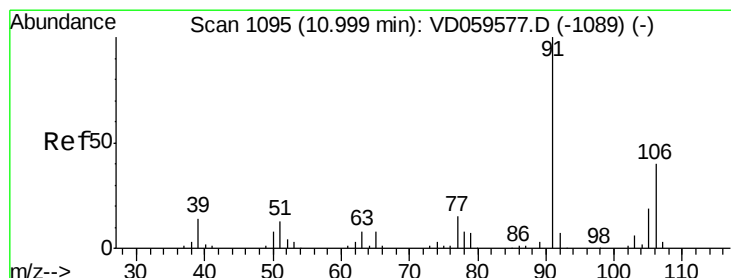
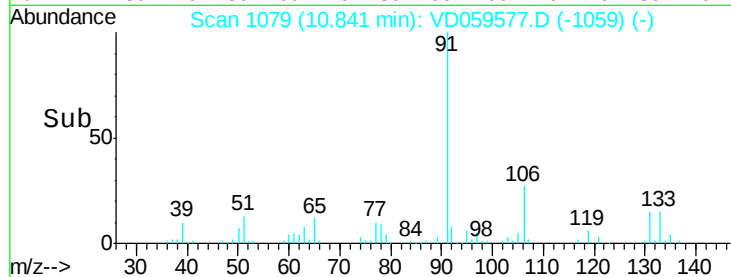
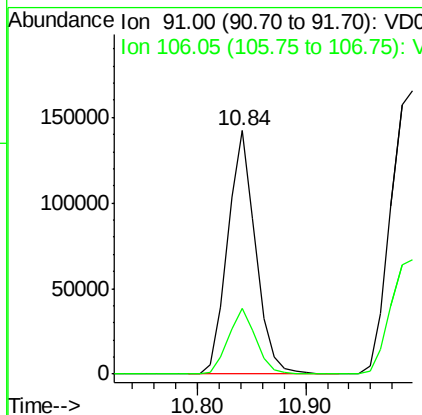
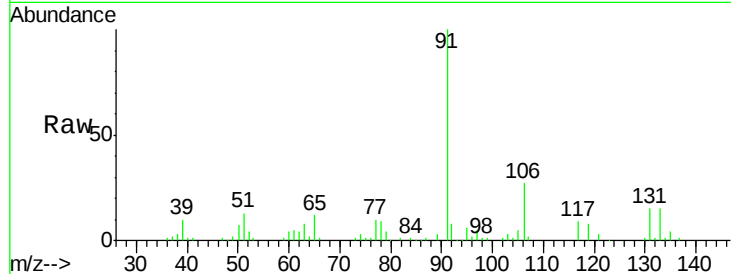
#67
Ethyl Benzene
Concen: 57.894 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 253982
Ion Ratio Lower Upper
91 100
106 27.0 21.6 32.4

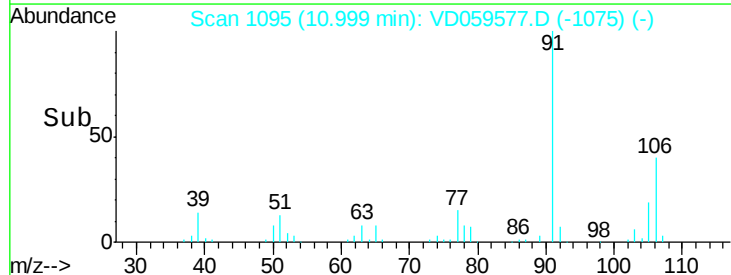
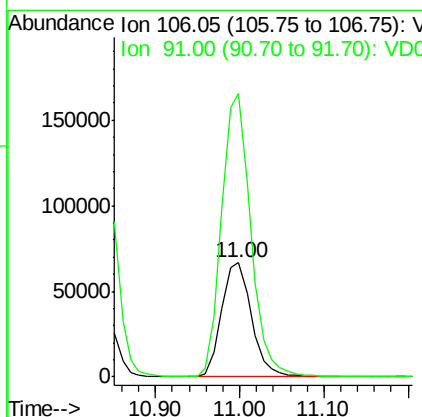
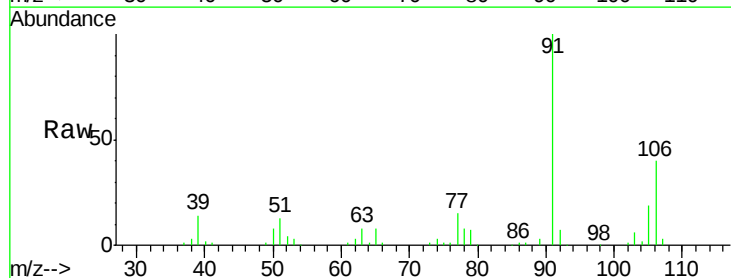
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#68
m/p-Xylenes
Concen: 103.258 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion: 106 Resp: 165299
Ion Ratio Lower Upper
106 100
91 247.8 198.2 297.4





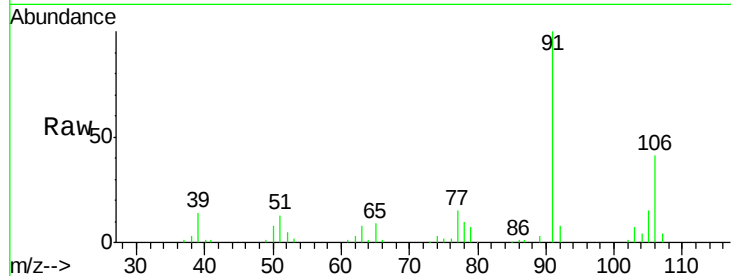
#69
o-Xylene
Concen: 52.178 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

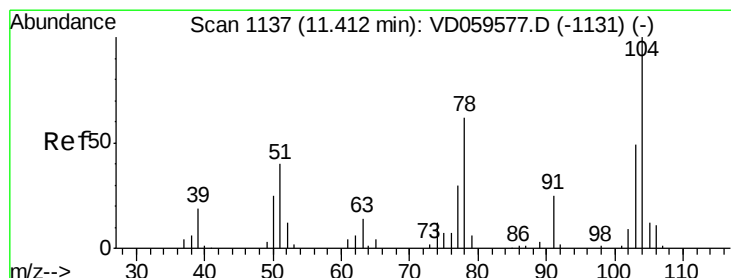
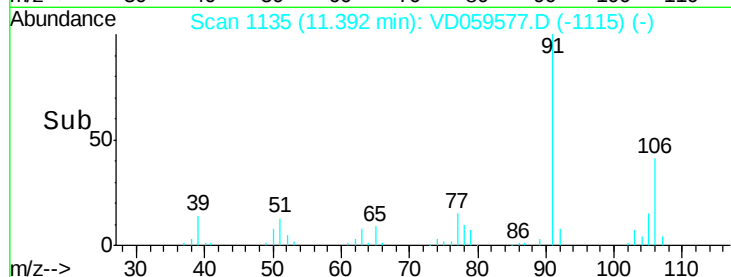
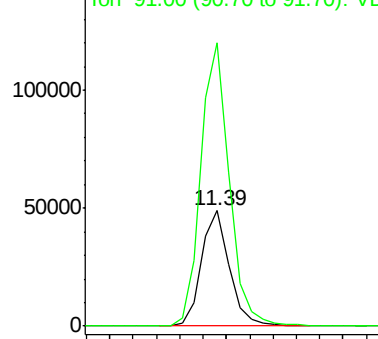
Tot Ion:106 Resp: 81268
Ion Ratio Lower Upper
106 100
91 245.4 122.7 368.1

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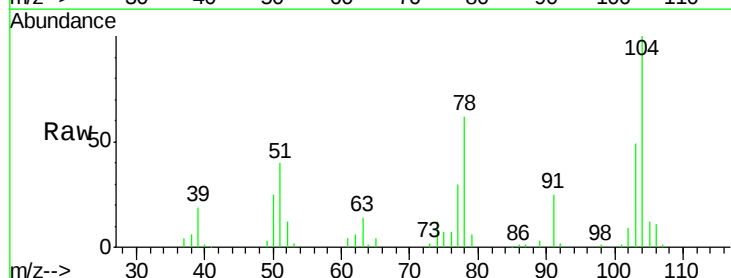


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

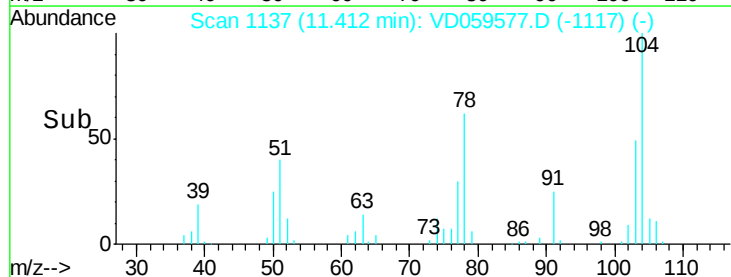
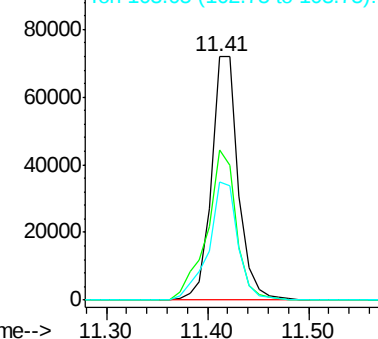


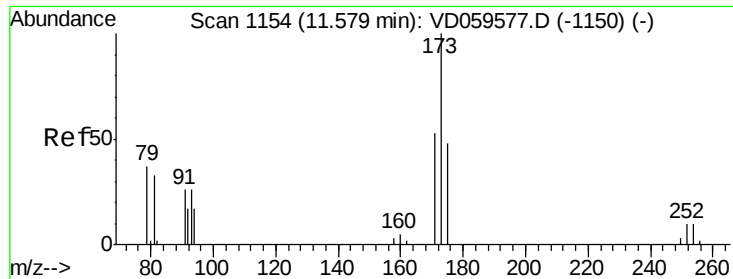
#70
Styrene
Concen: 51.503 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion:104 Resp: 132557
Ion Ratio Lower Upper
104 100
78 61.7 49.4 74.0
103 48.8 39.0 58.6



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





#71

Bromoform

Concen: 47.550 ug/l

RT: 11.58 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

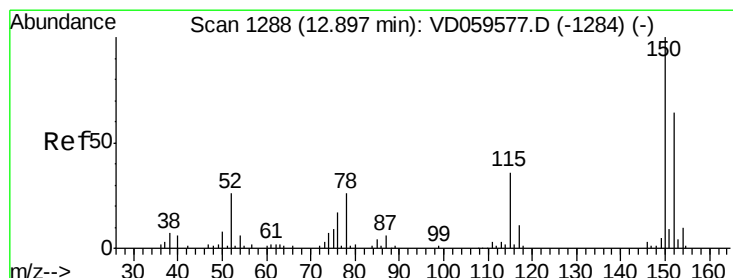
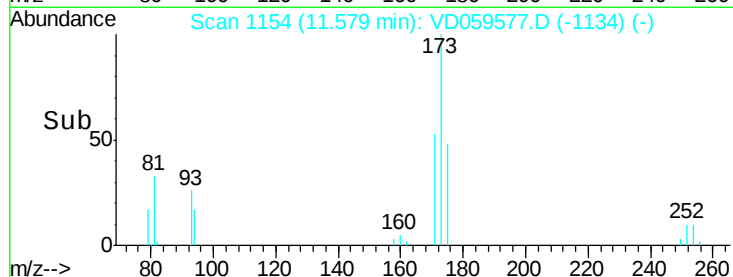
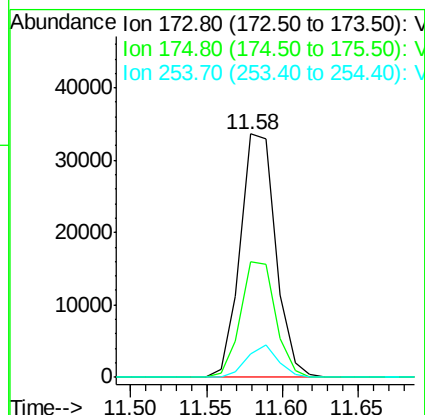
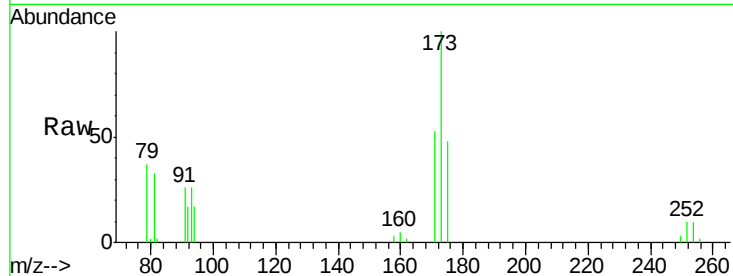
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.8	71.4
254	9.7	7.8	11.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

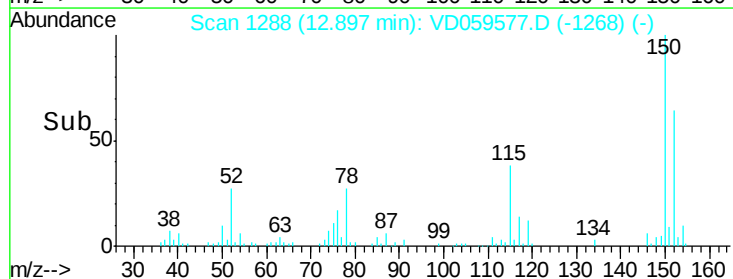
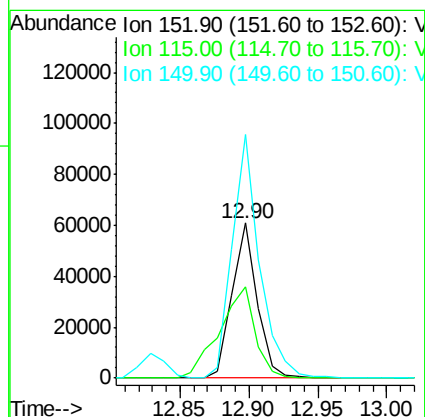
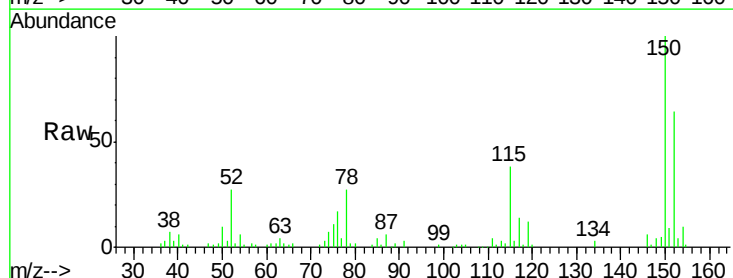
RT: 12.90 min Scan# 1288

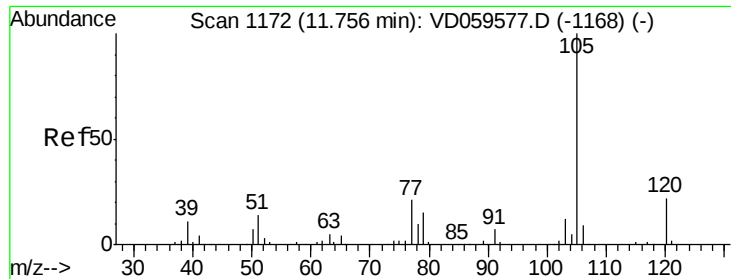
Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.5	88.6
150	157.2	0.0	314.4





#73

Isopropylbenzene

Concen: 57.563 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 236763

Ion Ratio Lower Upper

105 100

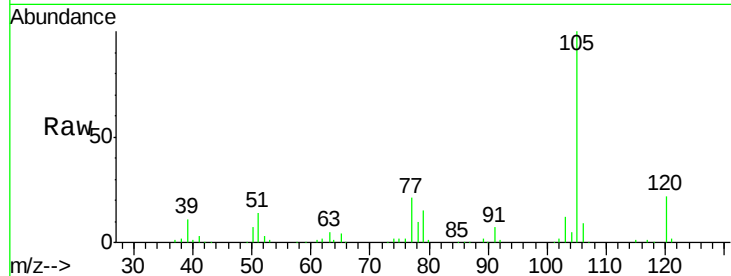
120 21.8 10.9 32.7

Manual Integrations

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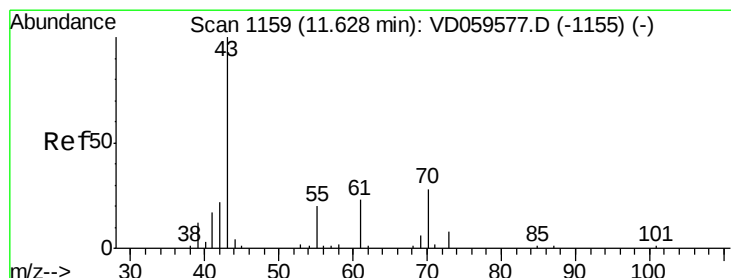
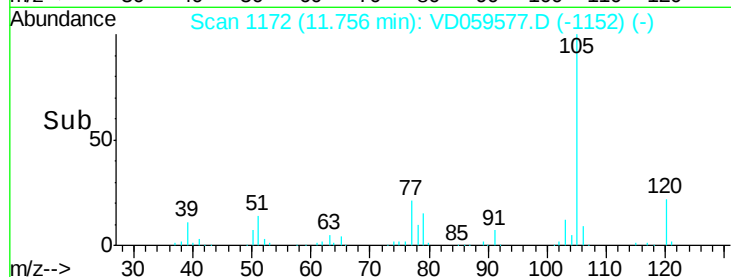
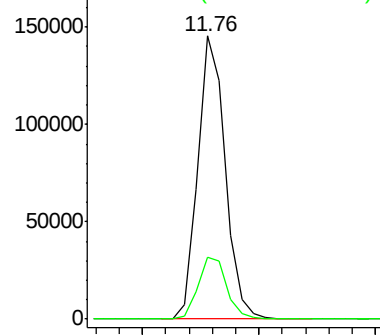
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 76.806 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Tgt Ion: 43 Resp: 84477

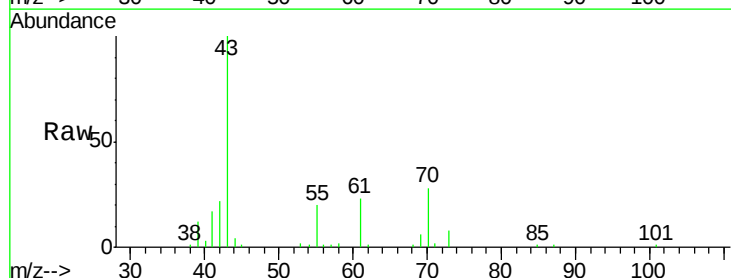
Ion Ratio Lower Upper

43 100

70 27.5 22.0 33.0

55 20.2 16.2 24.2

61 23.2 18.6 27.8

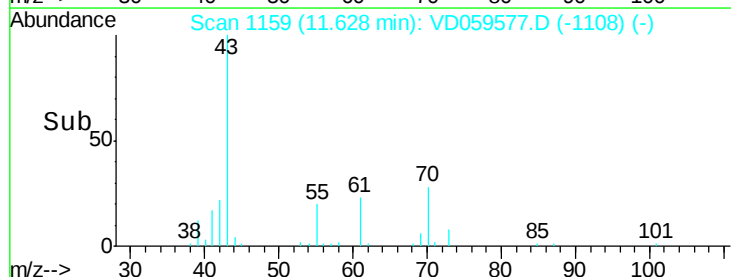
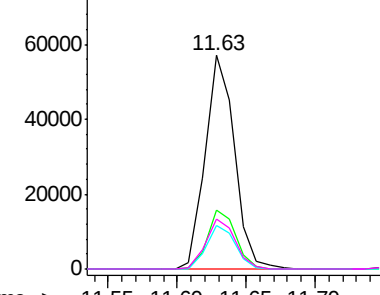


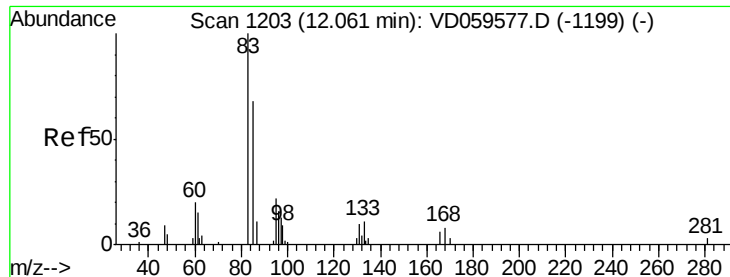
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 63.315 ug/l

RT: 12.06 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

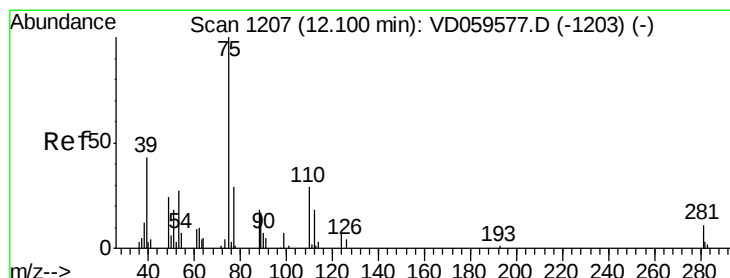
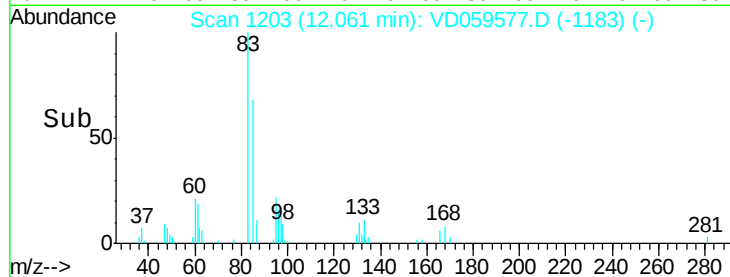
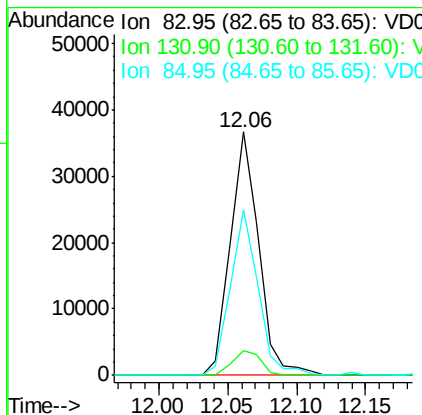
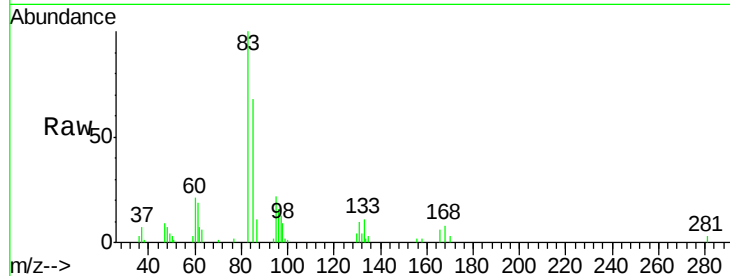
VSTDICCC050

Tot Ion:	83	Resp:	52475
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.2
85	68.2	34.1	102.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 71.389 ug/l

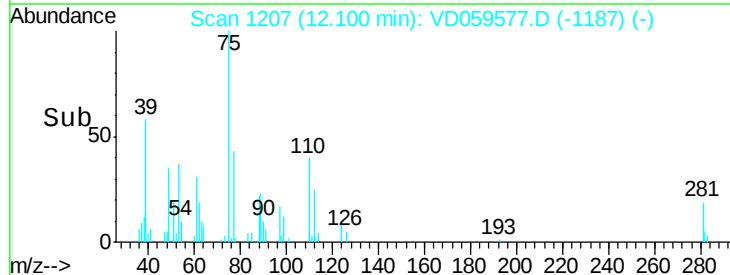
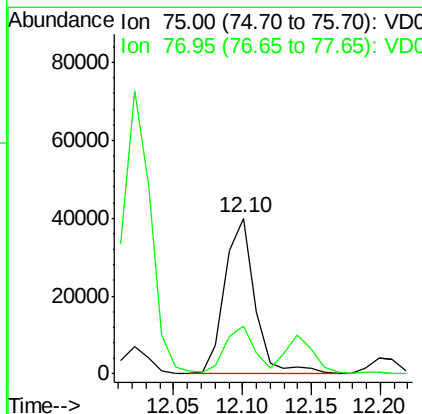
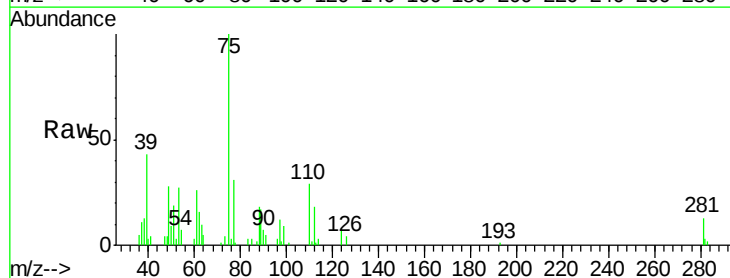
RT: 12.10 min Scan# 1207

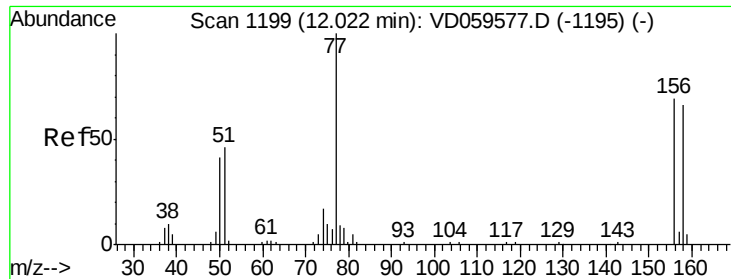
Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Tgt Ion:	75	Resp:	60985
Ion Ratio	Lower	Upper	
75	100		
77	31.1	15.6	46.7





#77

Bromobenzene

Concen: 47.119 ug/l

RT: 12.02 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 75709

Ion Ratio Lower Upper

156 100

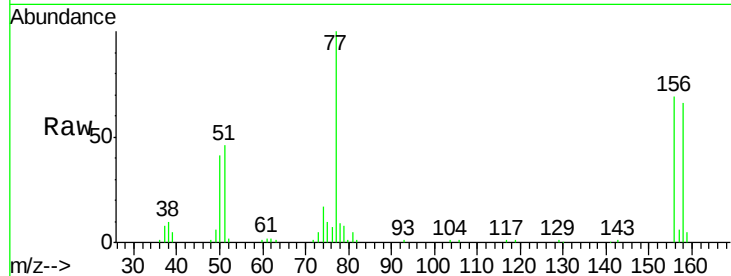
77 144.8 72.4 217.2

158 96.1 48.0 144.2

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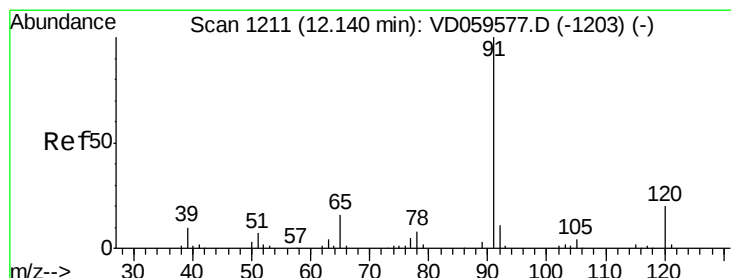
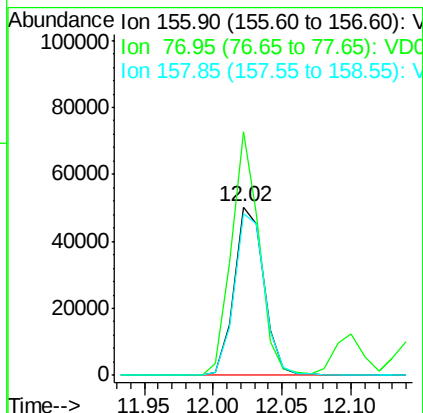
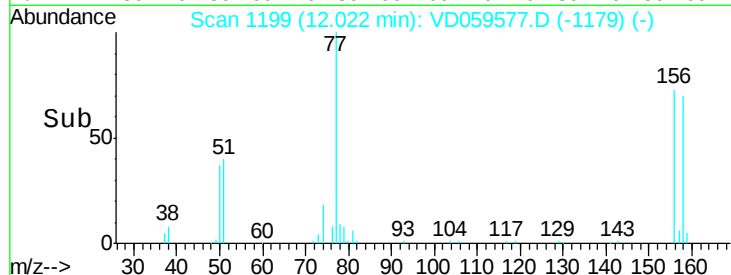
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 63.720 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059577.D

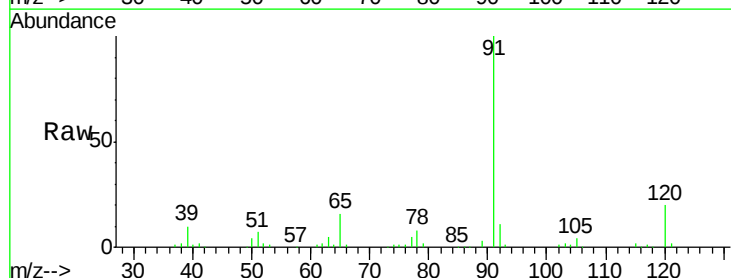
Acq: 24 Jul 2018 18:16

Tgt Ion: 91 Resp: 303315

Ion Ratio Lower Upper

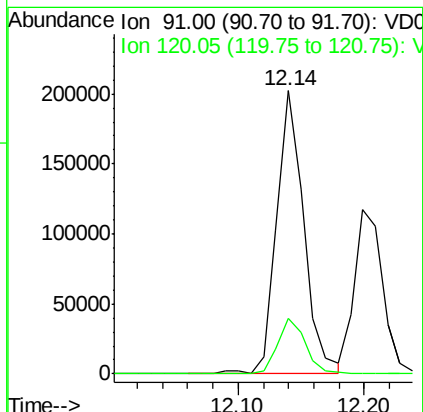
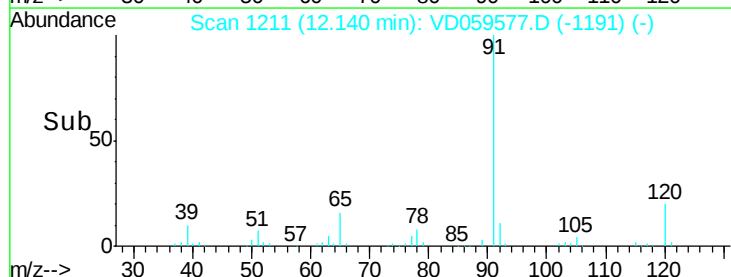
91 100

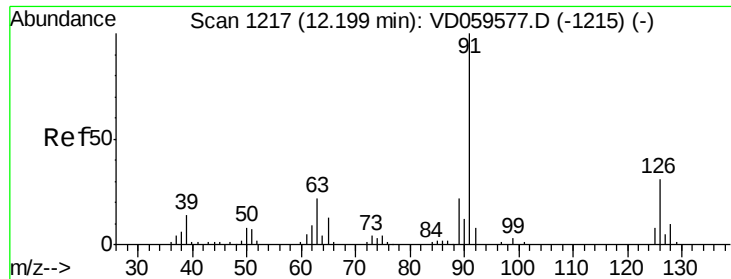
120 19.8 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





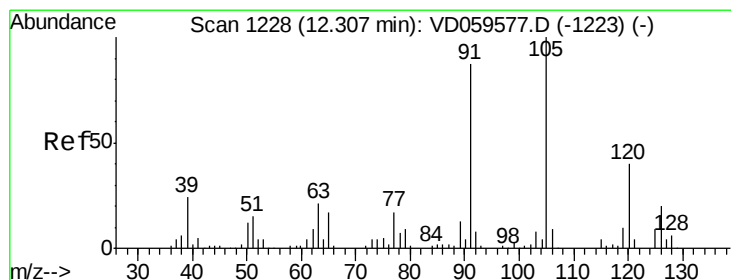
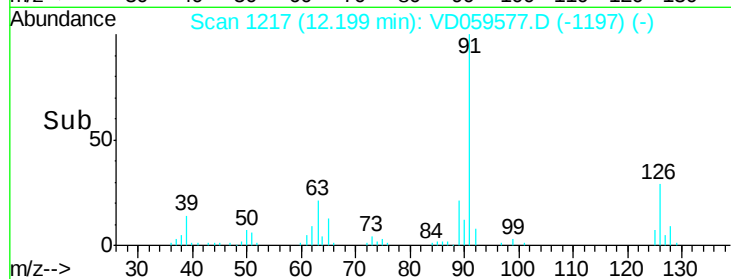
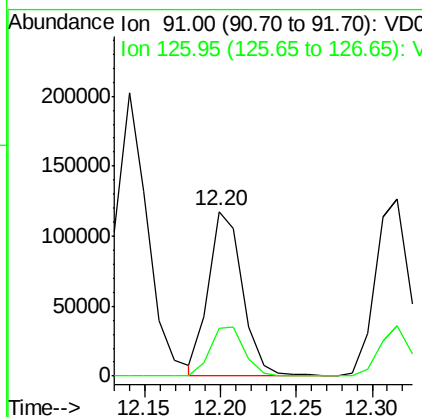
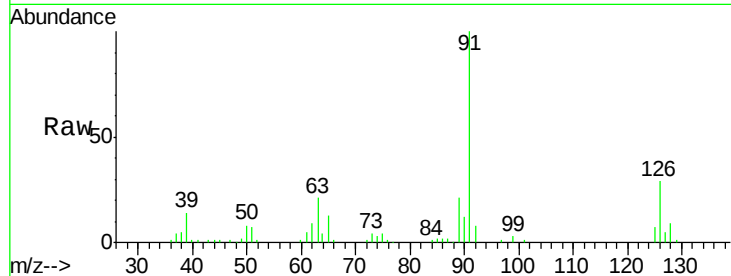
#79
 2-Chlorotoluene
 Concen: 64.684 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 183250
 Ion Ratio Lower Upper
 91 100
 126 29.1 14.5 43.6

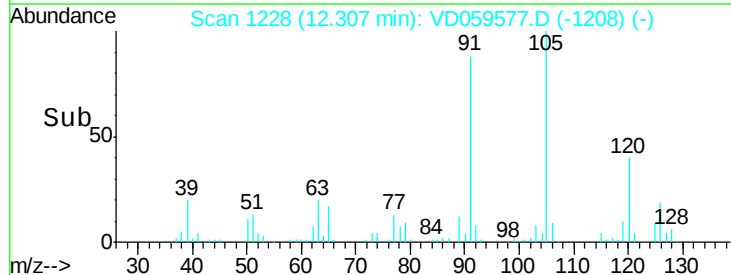
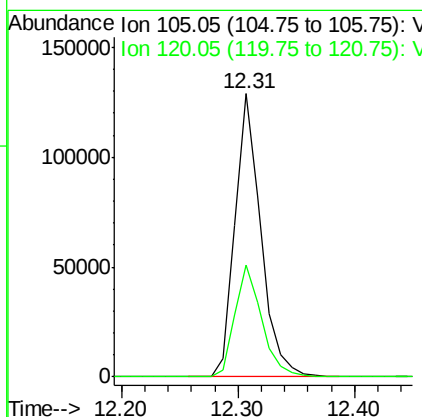
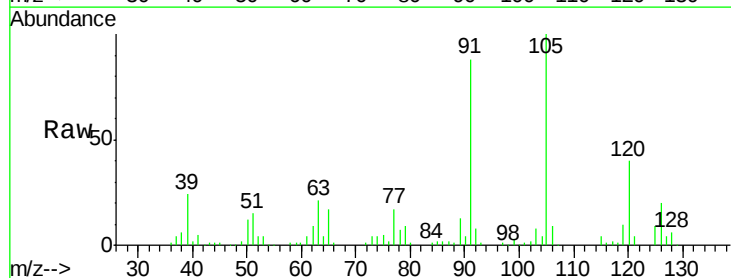
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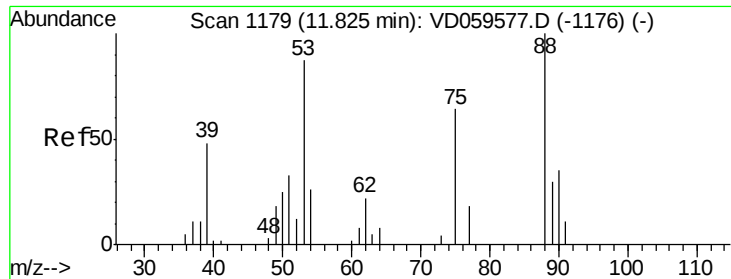
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#80
 1,3,5-Trimethylbenzene
 Concen: 62.097 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Tgt Ion: 105 Resp: 197587
 Ion Ratio Lower Upper
 105 100
 120 39.7 19.9 59.6





#81

trans-1,4-Dichloro-2-butene

Concen: 82.793 ug/l

RT: 11.82 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 15463

Ion Ratio Lower Upper

75 100

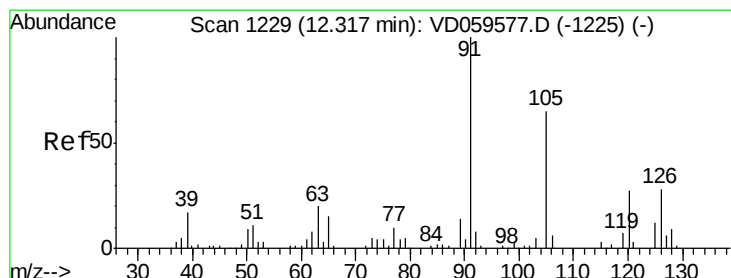
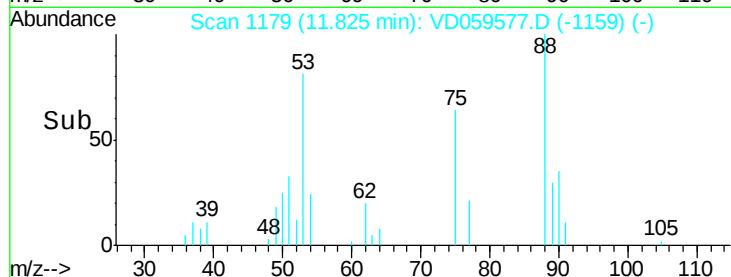
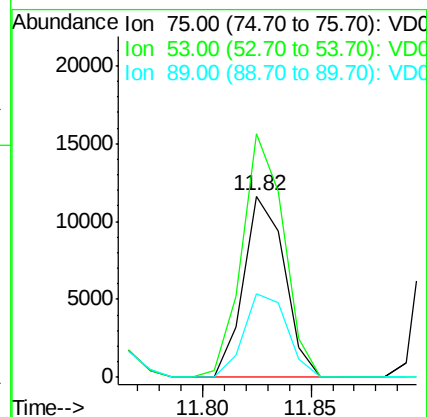
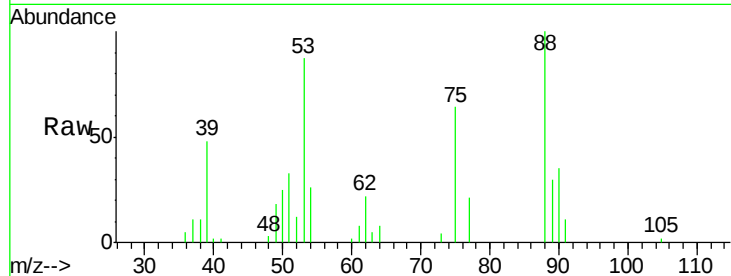
53 134.6 107.7 161.5

89 46.6 37.3 55.9

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#82

4-Chlorotoluene

Concen: 65.400 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD059577.D

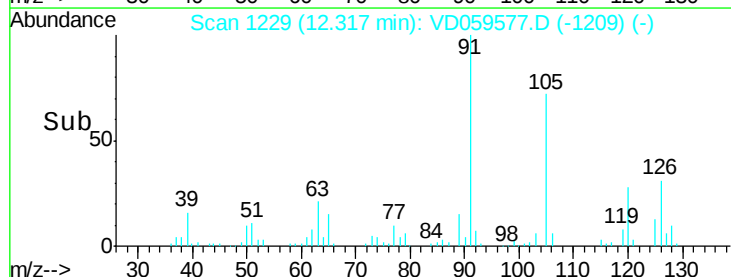
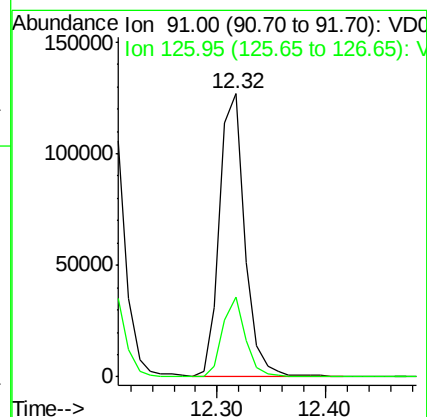
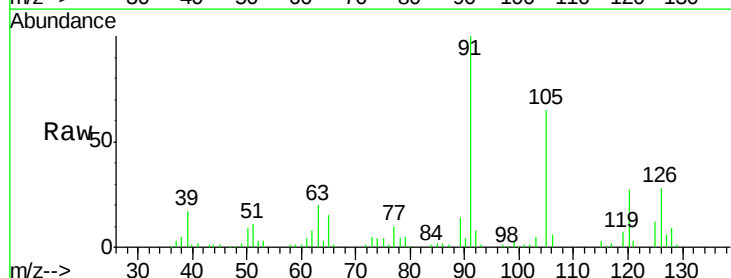
Acq: 24 Jul 2018 18:16

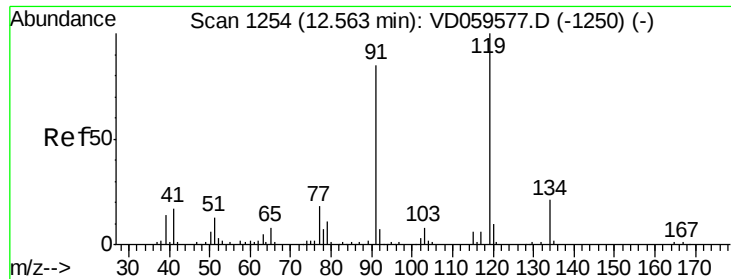
Tgt Ion: 91 Resp: 206048

Ion Ratio Lower Upper

91 100

126 28.3 14.1 42.4





#83

tert-Butylbenzene

Concen: 64.139 ug/l

RT: 12.56 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD059577.D

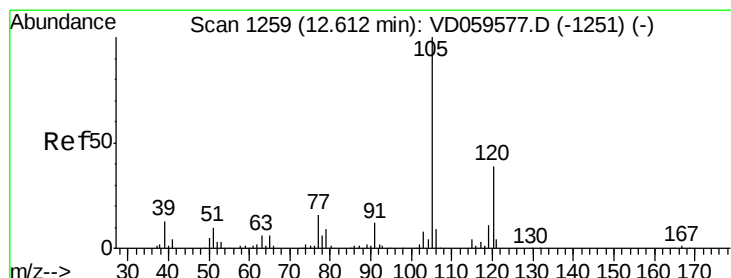
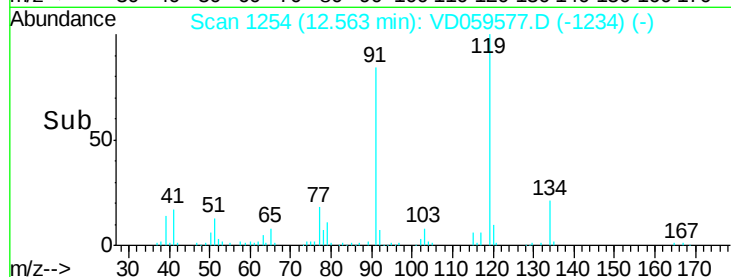
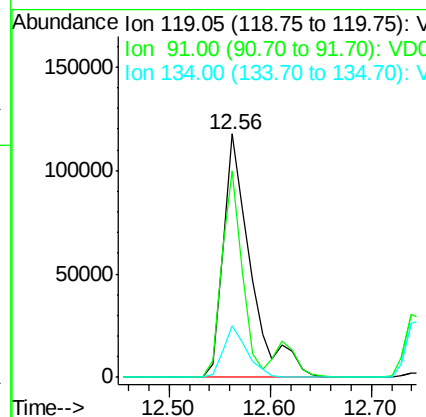
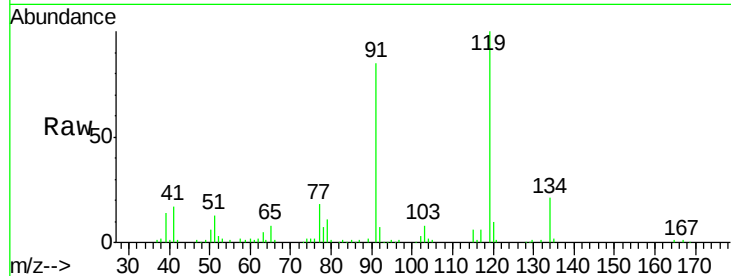
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	85.0	42.5	127.5
134	21.1	10.5	31.6

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#84

1,2,4-Trimethylbenzene

Concen: 64.486 ug/l

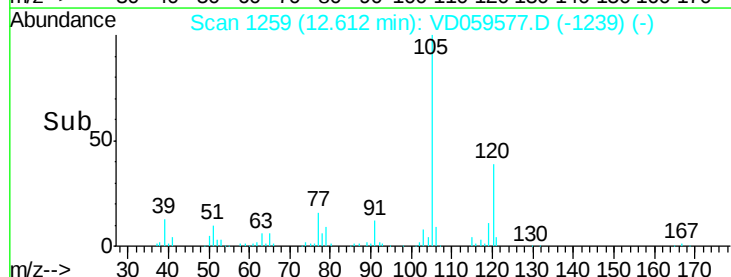
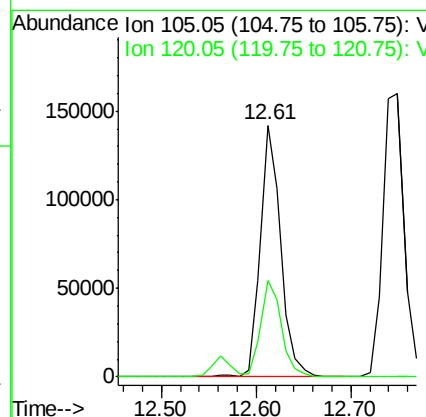
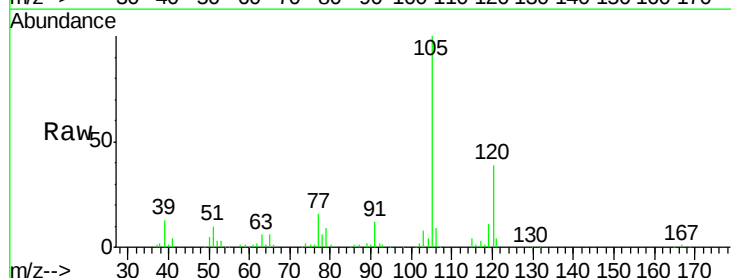
RT: 12.61 min Scan# 1259

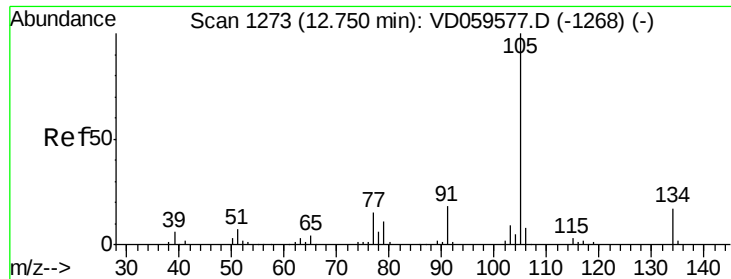
Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	38.6	19.3	57.9





#85

sec-Butylbenzene

Concen: 64.345 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 253133

Ion Ratio Lower Upper

105 100

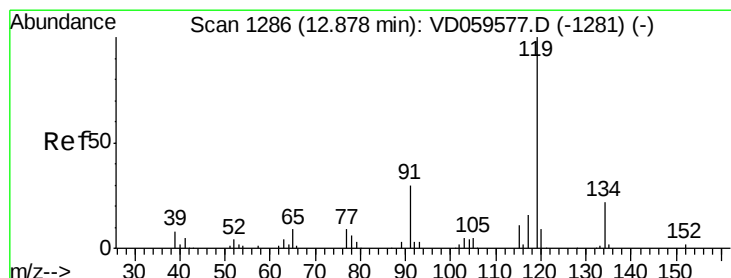
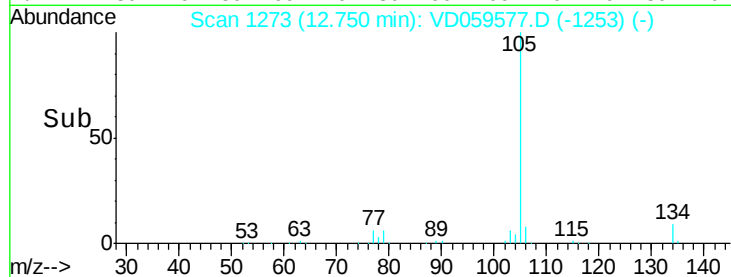
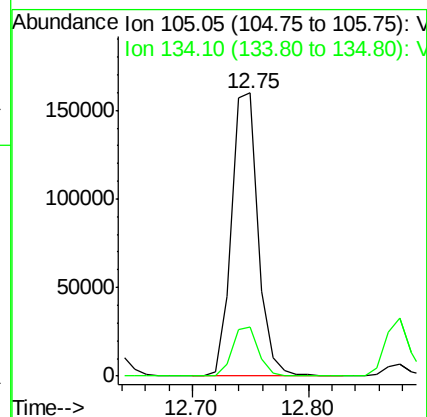
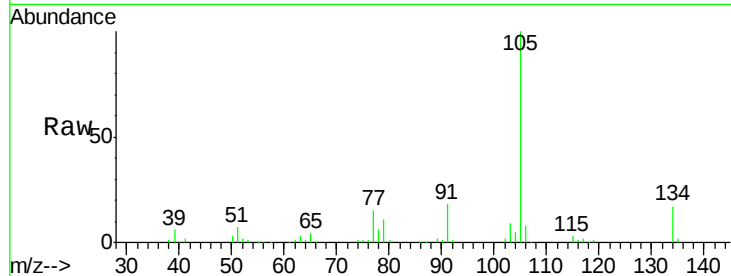
134 17.5 8.8 26.2

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#86

p-Isopropyltoluene

Concen: 59.172 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

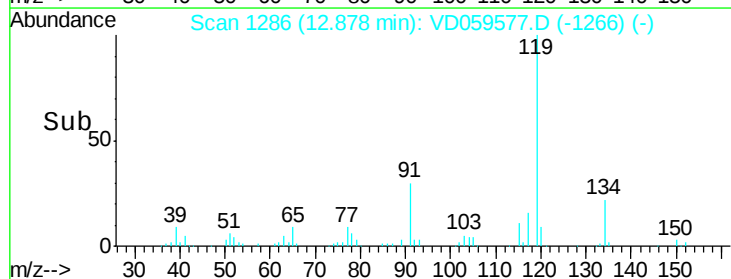
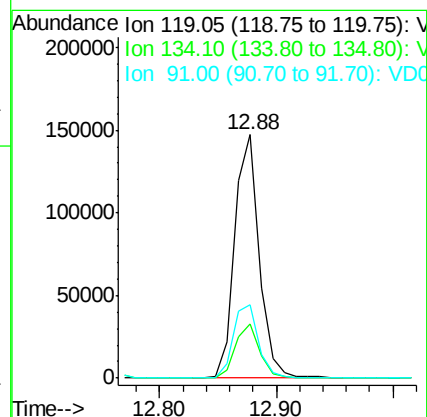
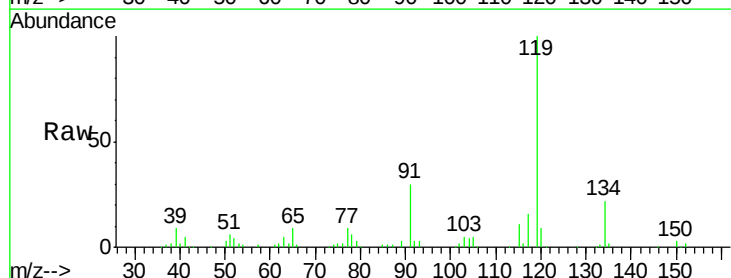
Tgt Ion:119 Resp: 213008

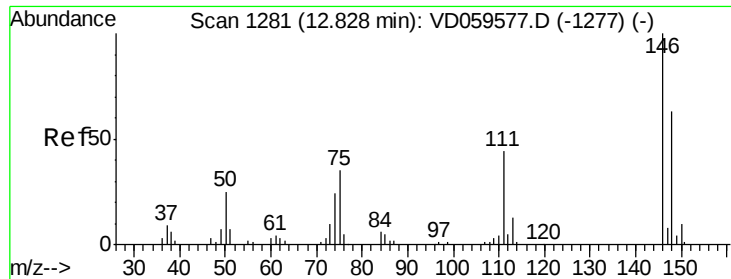
Ion Ratio Lower Upper

119 100

134 22.4 11.2 33.6

91 30.1 15.0 45.1





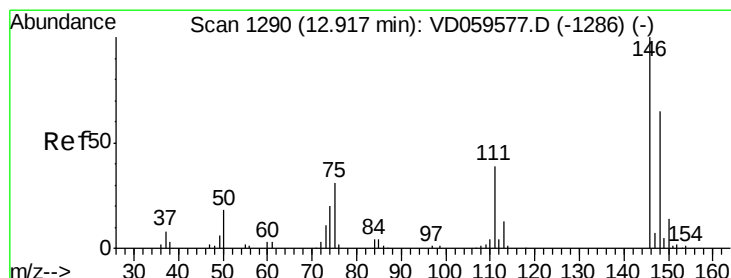
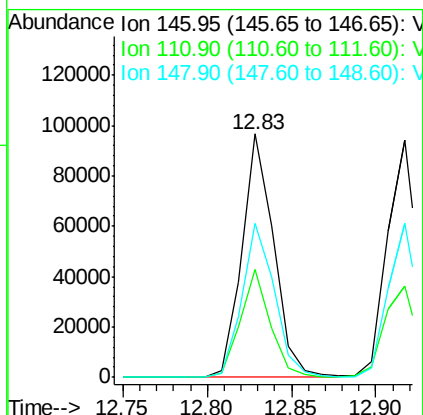
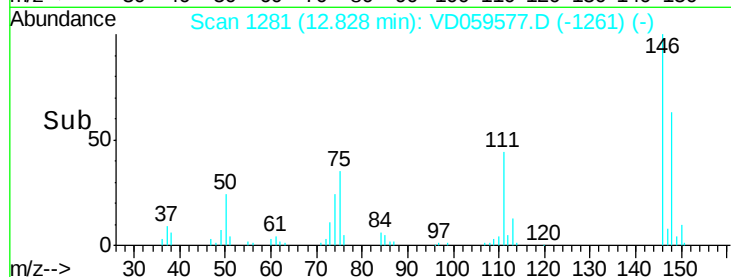
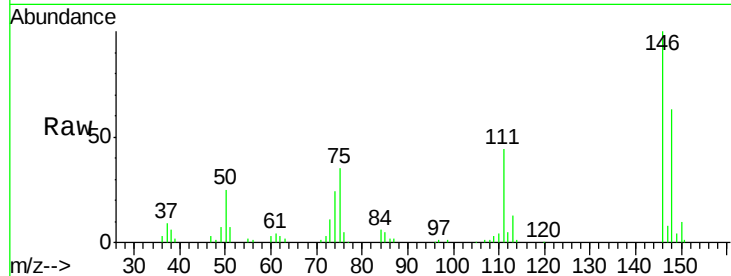
#87
 1,3-Dichlorobenzene
 Concen: 48.665 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.5	31.8	95.3

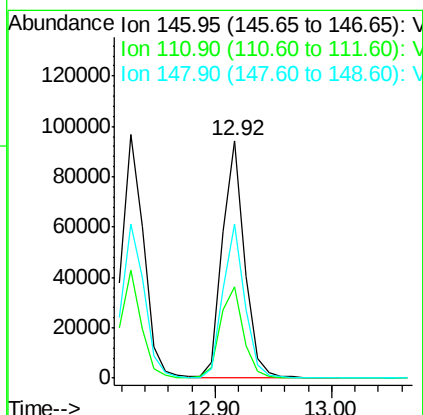
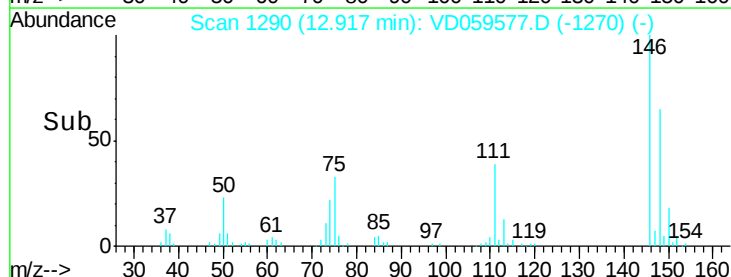
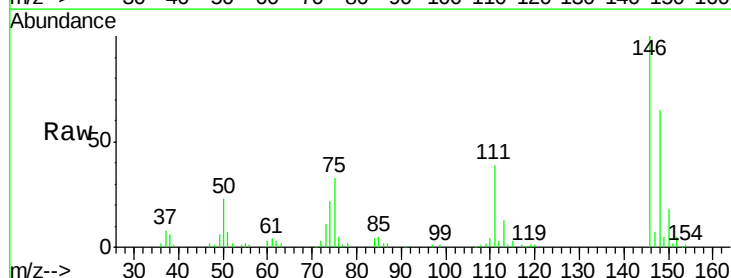
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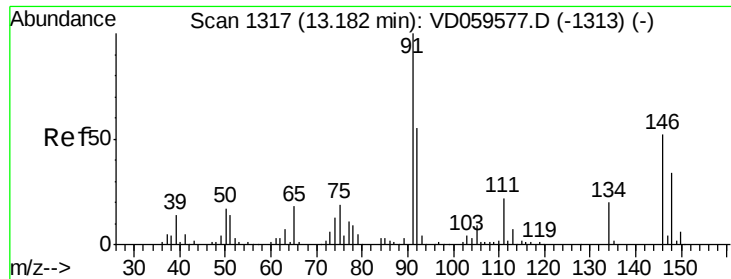
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#88
 1,4-Dichlorobenzene
 Concen: 48.875 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	64.8	32.4	97.2





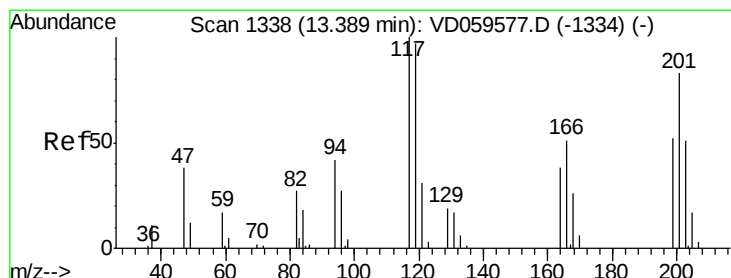
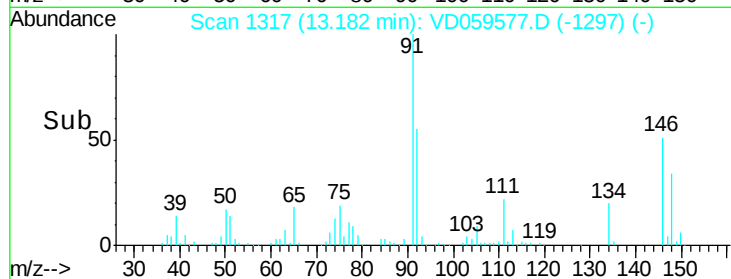
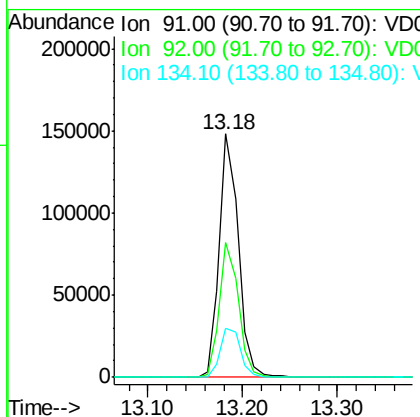
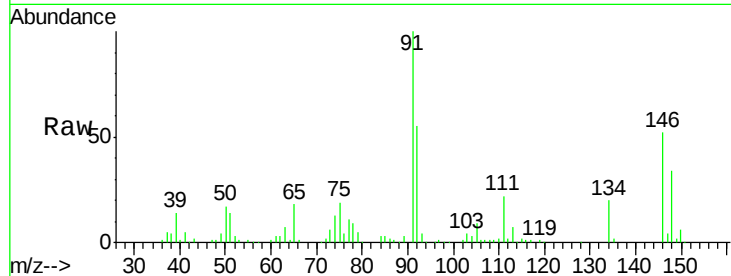
#89
n-Butylbenzene
Concen: 68.999 ug/l
RT: 13.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	207556		
92	55.1	27.6	82.7	
134	20.2	10.1	30.3	

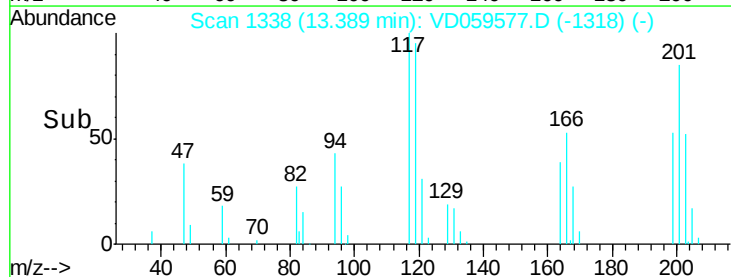
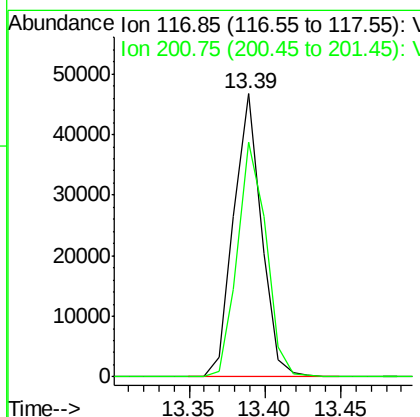
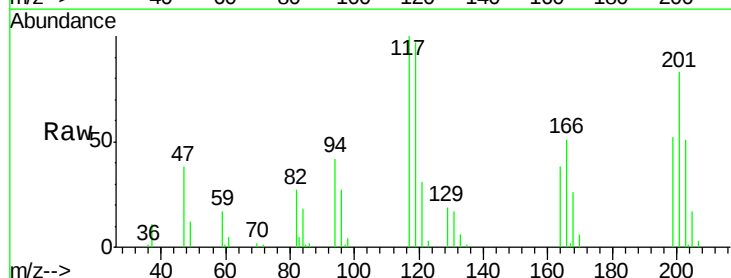
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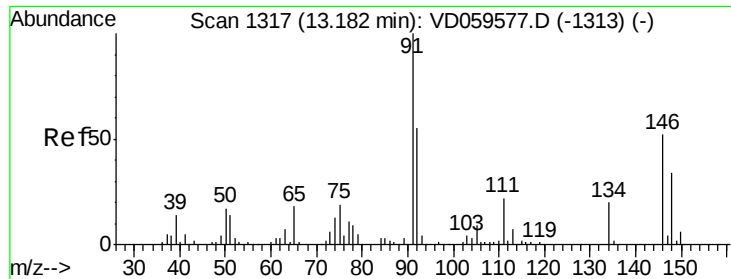
apatel
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#90
Hexachloroethane
Concen: 61.540 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. 0.00 min
Lab File: VD059577.D
Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	59326		
201	83.0	41.5	124.5	





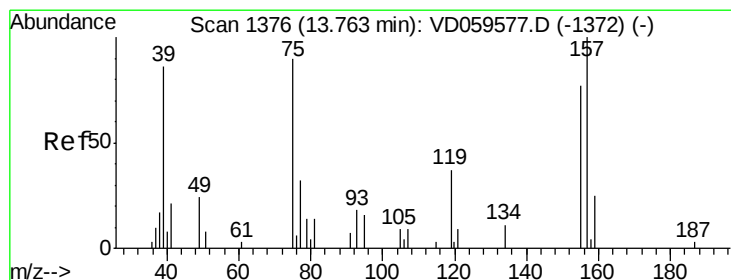
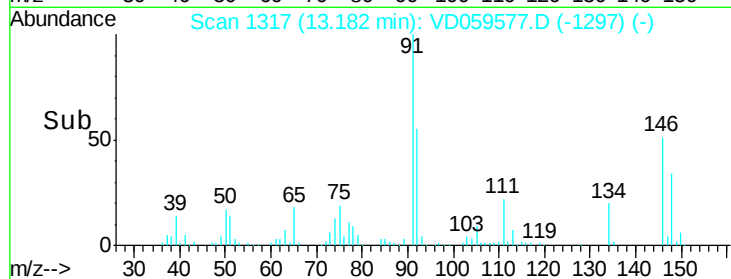
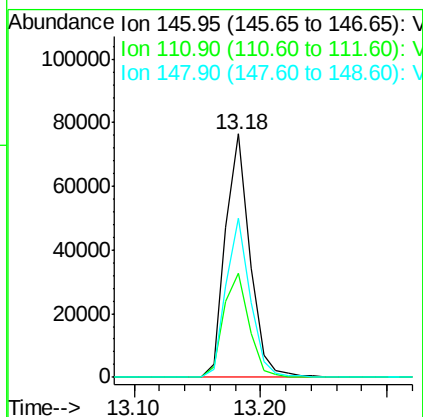
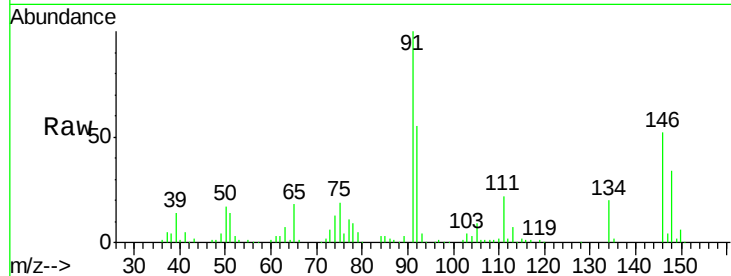
#91
 1,2-Dichlorobenzene
 Concen: 47.507 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	65.3	32.6	98.0

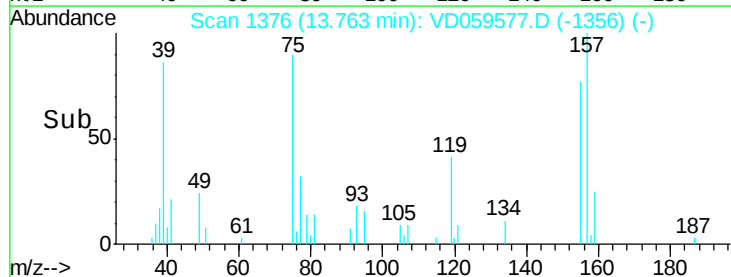
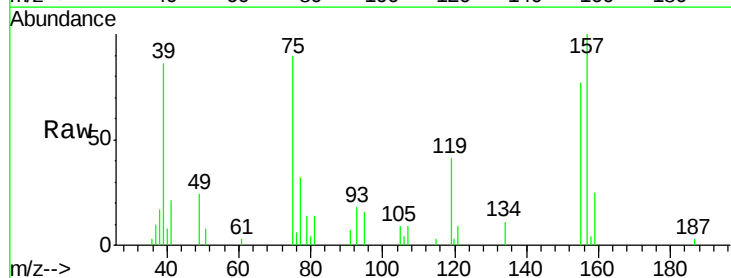
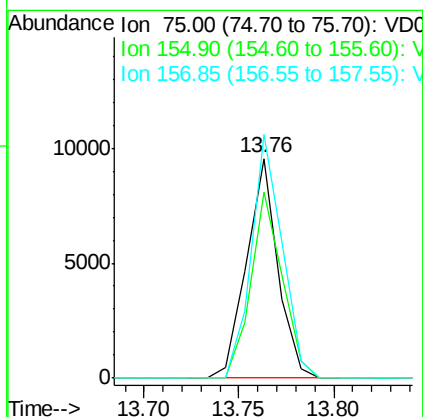
Manual Integrations
 APPROVED

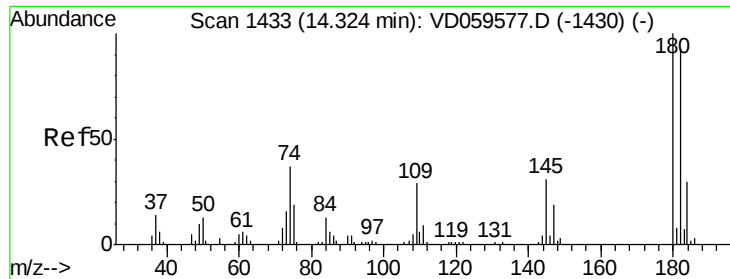
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 78.238 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	42.5	127.5
157	110.9	55.5	166.3





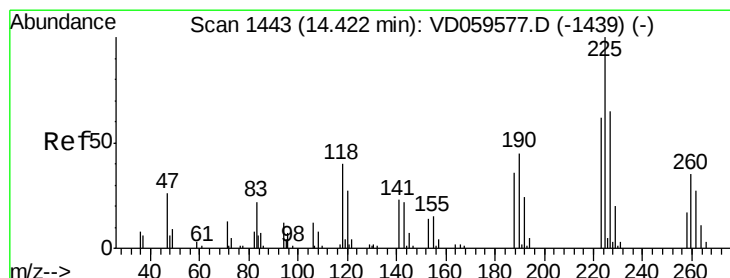
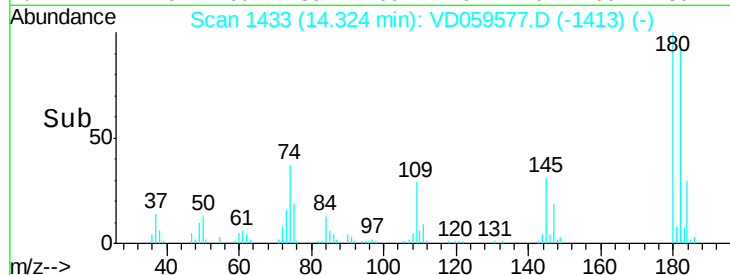
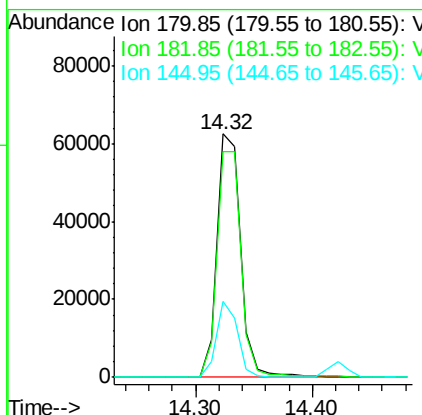
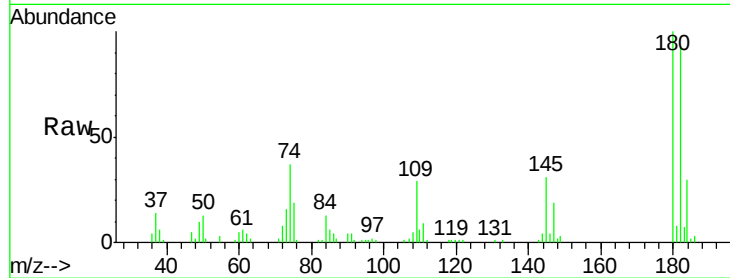
#93
 1,2,4-Trichlorobenzene
 Concen: 46.773 ug/l
 RT: 14.32 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.4	139.2
145	31.3	15.7	47.0

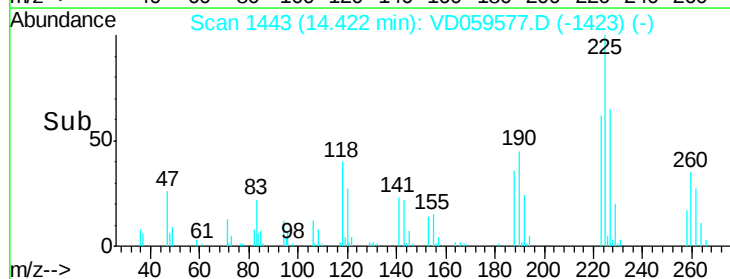
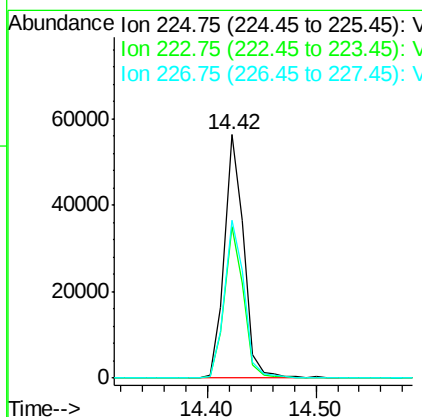
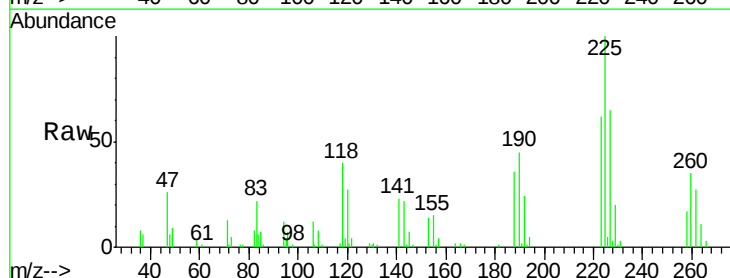
Manual Integrations
 APPROVED

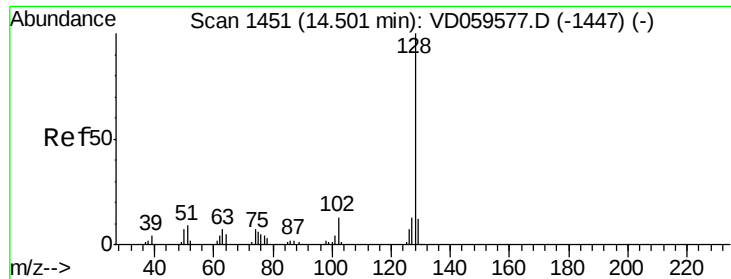
apatel
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#94
 Hexachlorobutadiene
 Concen: 51.205 ug/l
 RT: 14.42 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD059577.D
 Acq: 24 Jul 2018 18:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.1	93.5
227	64.8	32.4	97.2





#95

Naphthalene

Concen: 53.190 ug/l

RT: 14.50 min Scan# 1451

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 120462

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

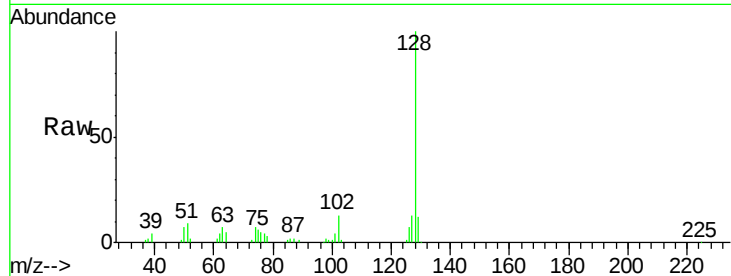
129 11.6 9.3 13.9

Manual Integrations

APPROVED

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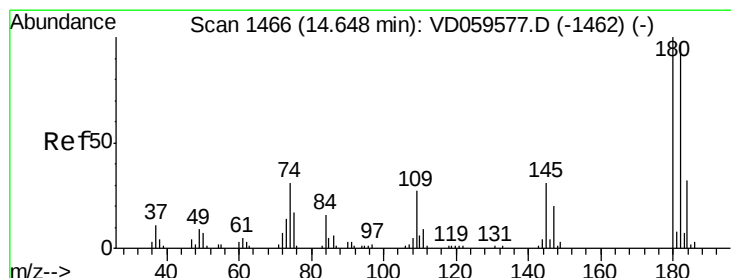
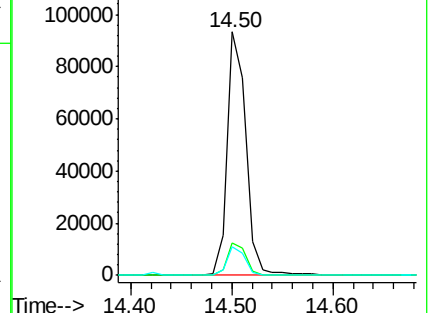
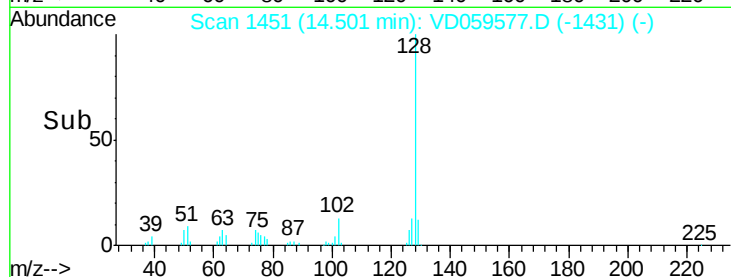
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.405 ug/l

RT: 14.65 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VD059577.D

Acq: 24 Jul 2018 18:16

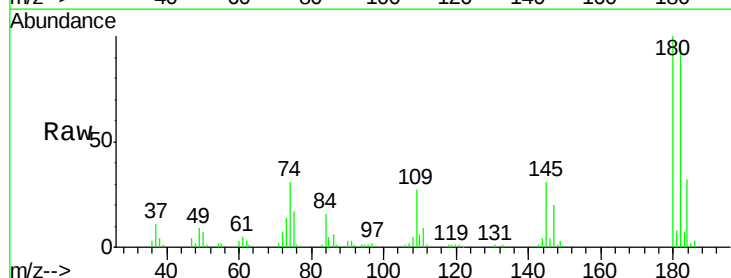
Tgt Ion:180 Resp: 77204

Ion Ratio Lower Upper

180 100

182 97.3 48.6 145.9

145 31.1 15.6 46.7



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

