

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062980.D
 Acq On : 1 Jul 2019 10:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:15:47 AM

Quant Time: Jul 02 07:40:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	788607	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	1037572	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	947770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	533836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	434824	50.73	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	6.91	113	413384	47.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	10.40	98	922177	48.43	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	13.55	95	455939	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	462342	45.306	ug/l	94
3) Chloromethane	1.75	50	322943	42.079	ug/l	99
4) Vinyl Chloride	1.83	62	351058	46.135	ug/l	95
5) Bromomethane	2.14	94	165084	46.325	ug/l	98
6) Chloroethane	2.26	64	187559	54.443	ug/l	95
7) Trichlorofluoromethane	2.52	101	831531	53.996	ug/l	96
8) Diethyl Ether	2.86	74	109327	55.874	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.13	101	436218	52.286	ug/l	87
10) Methyl Iodide	3.29	142	497839	45.230	ug/l	95
11) Tert butyl alcohol	4.07	59	109367	280.133	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	315317	50.381	ug/l	96
13) Acrolein	3.03	56	79554	199.602	ug/l	97
14) Allyl chloride	3.60	41	453380	49.026	ug/l	97
15) Acrylonitrile	4.19	53	224229	244.429	ug/l	94
16) Acetone	3.21	43	476633	274.886	ug/l	100
17) Carbon Disulfide	3.36	76	860006	42.995	ug/l	96
18) Methyl Acetate	3.63	43	126760	48.986	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	721306	53.238	ug/l	95
20) Methylene Chloride	3.80	84	301243	46.080	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	304871	45.749	ug/l	93
22) Diisopropyl ether	5.10	45	956450	50.856	ug/l	92
23) Vinyl Acetate	5.04	43	3119018	265.036	ug/l	99
24) 1,1-Dichloroethane	4.96	63	593615	48.479	ug/l	99
25) 2-Butanone	6.06	43	439390	274.065	ug/l	95
26) 2,2-Dichloropropane	6.01	77	692752	53.376	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	329337	46.733	ug/l	95
28) Bromochloromethane	6.43	49	190393	44.148	ug/l	91
29) Tetrahydrofuran	6.44	42	192231	253.419	ug/l	96
30) Chloroform	6.65	83	802019	53.858	ug/l	98
31) Cyclohexane	6.94	56	368175	45.738	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	810104	52.229	ug/l	94
36) 1,1-Dichloropropene	7.13	75	487584	49.642	ug/l	95
37) Ethyl Acetate	6.17	43	192403	46.556	ug/l	99
38) Carbon Tetrachloride	7.09	117	819570m	55.481	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	440538	50.954	ug/l	98
40) Benzene	7.45	78	1030020	52.243	ug/l	96
41) Methacrylonitrile	6.44	41	261667	50.517	ug/l #	90
42) 1,2-Dichloroethane	7.56	62	605375	56.285	ug/l	100
43) Isopropyl Acetate	9.24	43	266304	51.716	ug/l #	94
44) Trichloroethene	8.53	130	419689	54.297	ug/l	95
45) 1,2-Dichloropropane	8.93	63	232701	47.466	ug/l	100
46) Dibromomethane	9.05	93	233057	55.341	ug/l	96
47) Bromodichloromethane	9.37	83	620652	56.747	ug/l	99
48) Methyl methacrylate	9.11	41	195539	53.436	ug/l	93
49) 1,4-Dioxane	9.08	88	32657	1072.683	ug/l	94
51) 4-Methyl-2-Pentanone	10.29	43	1058049	289.806	ug/l	97
52) Toluene	10.51	92	712081	53.729	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	522644	58.383	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	541812	55.684	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	239585	52.618	ug/l	94
56) Ethyl methacrylate	11.04	69	255604	52.528	ug/l	96
57) 1,3-Dichloropropane	11.40	76	391499	56.155	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	634659	254.053	ug/l	95
59) 2-Hexanone	11.53	43	821221	315.839	ug/l	96
60) Dibromochloromethane	11.68	129	500273	58.987	ug/l	99
61) 1,2-Dibromoethane	11.80	107	298820	55.567	ug/l	93
64) Tetrachloroethene	11.26	164	377175	48.353	ug/l	95
65) Chlorobenzene	12.40	112	859875	48.885	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	404925	49.226	ug/l	96
67) Ethyl Benzene	12.53	91	1495890	47.368	ug/l	99
68) m/p-Xylenes	12.66	106	1137904	103.455	ug/l	99
69) o-Xylene	13.05	106	494538	49.184	ug/l	93
70) Styrene	13.07	104	903922	51.182	ug/l	96
71) Bromoform	13.23	173	298187	52.908	ug/l	93
73) Isopropylbenzene	13.40	105	1605586	46.908	ug/l	99
74) N-amyl acetate	13.26	43	422173	50.789	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	281699	50.511	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	308407	50.044	ug/l	93
77) Bromobenzene	13.67	156	451182	49.007	ug/l	95
78) n-propylbenzene	13.78	91	1923619	48.285	ug/l	98
79) 2-Chlorotoluene	13.83	91	1176757	51.687	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1467445	51.040	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	80705	49.967	ug/l	91
82) 4-Chlorotoluene	13.94	91	1422552	51.900	ug/l	97
83) tert-Butylbenzene	14.19	119	1671961	52.172	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1485215	50.401	ug/l	97
85) sec-Butylbenzene	14.37	105	1743675	50.061	ug/l	97
86) p-Isopropyltoluene	14.48	119	1568250	49.216	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	819782	49.674	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	849939	51.276	ug/l	98
89) n-Butylbenzene	14.80	91	1513498	50.748	ug/l	97
90) Hexachloroethane	15.01	117	411618	48.044	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	730750	51.753	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	58569	53.806	ug/l	70

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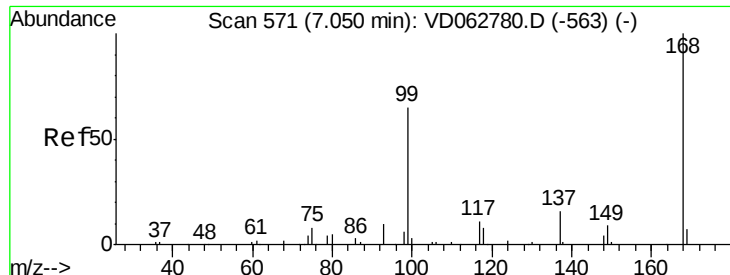
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	554191	50.244	ug/l	98
94) Hexachlorobutadiene	16.04	225	421082	49.972	ug/l	94
95) Naphthalene	16.12	128	811427	52.487	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	451664	53.296	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 788607

Ion Ratio Lower Upper

168 100

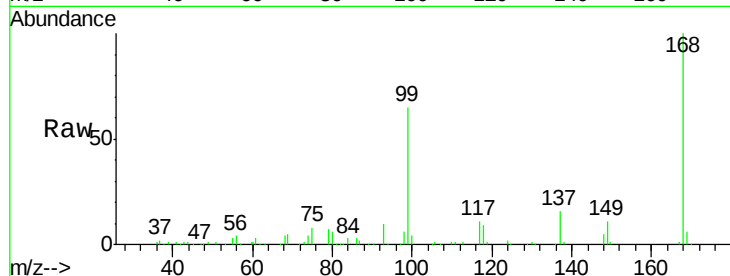
99 65.4 53.0 79.6

Manual Integrations

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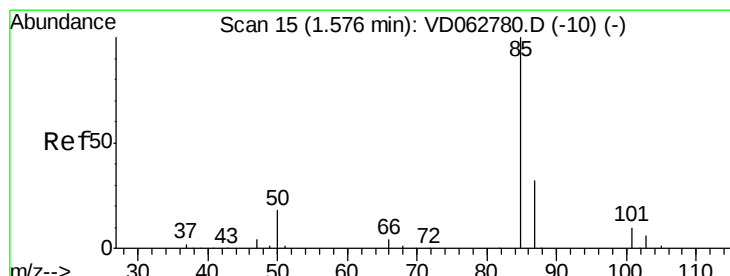
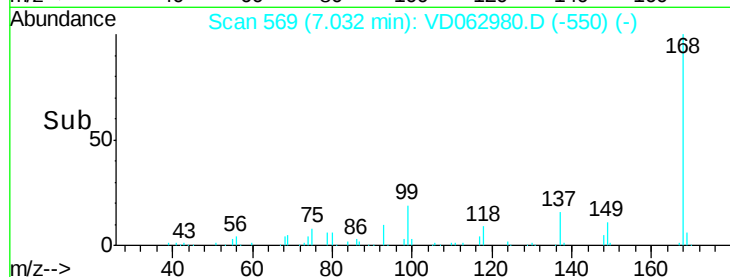
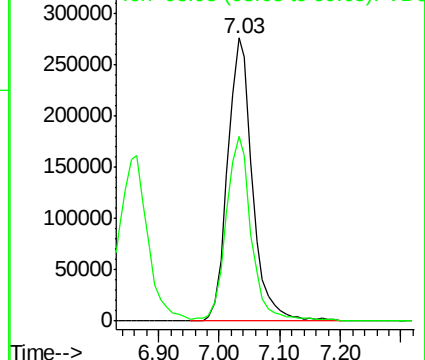
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.306 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062980.D

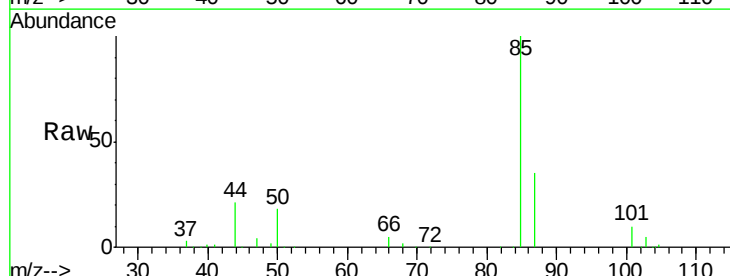
Acq: 1 Jul 2019 10:08

Tgt Ion: 85 Resp: 462342

Ion Ratio Lower Upper

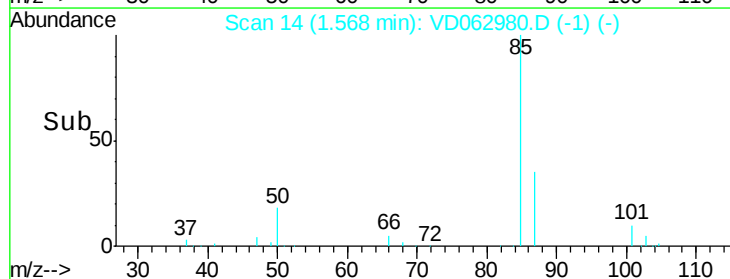
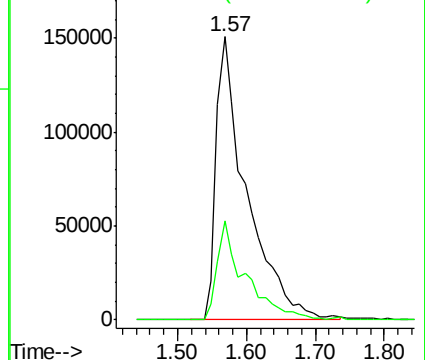
85 100

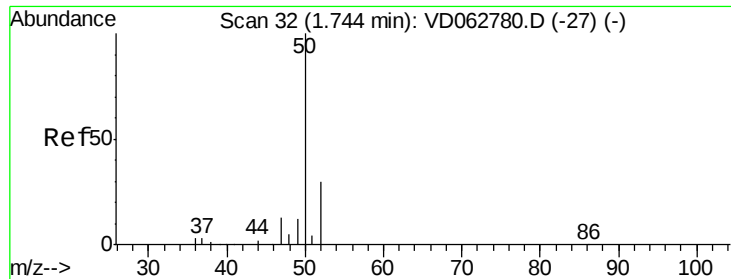
87 35.2 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.079 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 322943

Ion Ratio Lower Upper

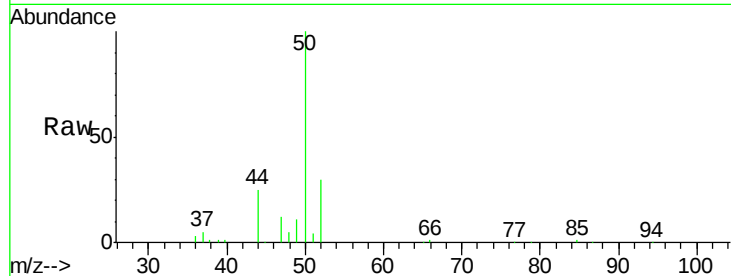
50 100

52 30.0 23.6 35.4

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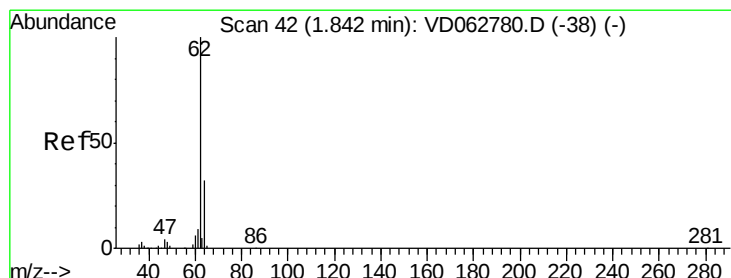
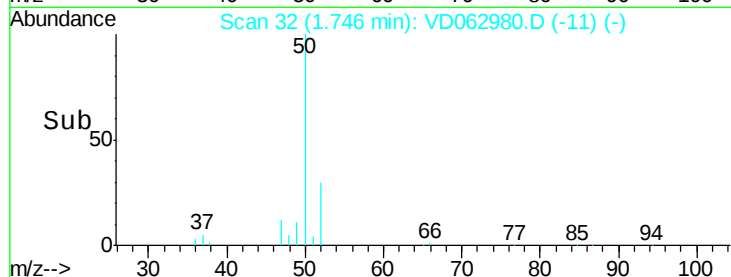
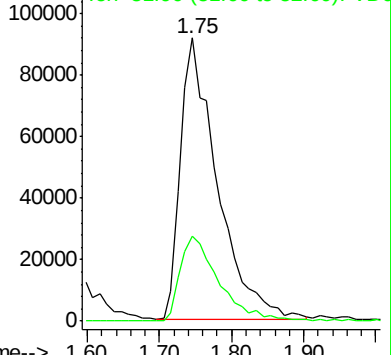
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.135 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062980.D

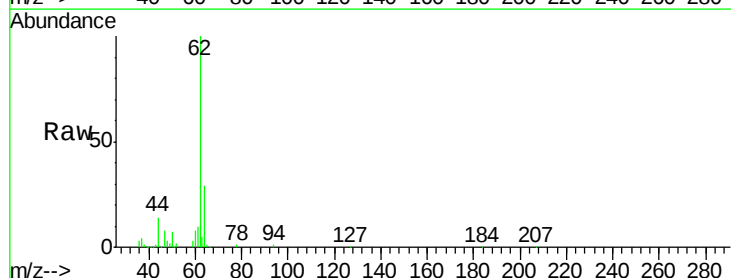
Acq: 1 Jul 2019 10:08

Tgt Ion: 62 Resp: 351058

Ion Ratio Lower Upper

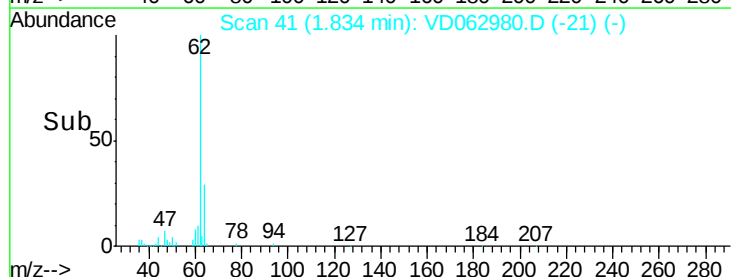
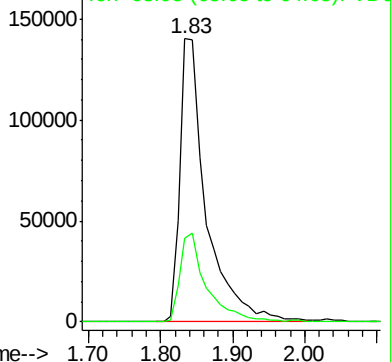
62 100

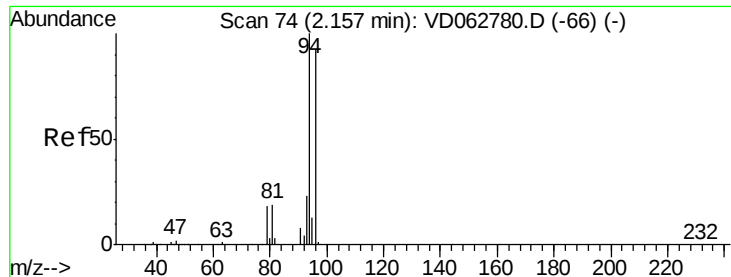
64 29.5 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 46.325 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

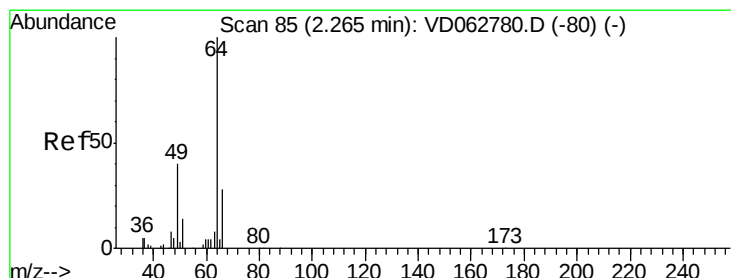
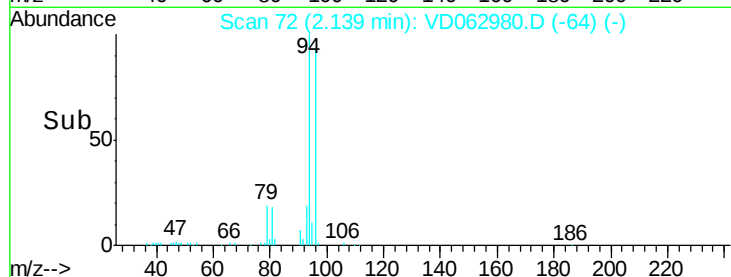
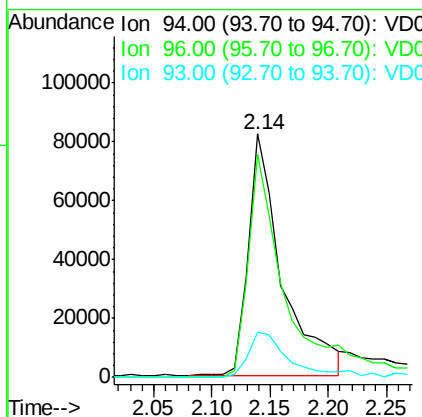
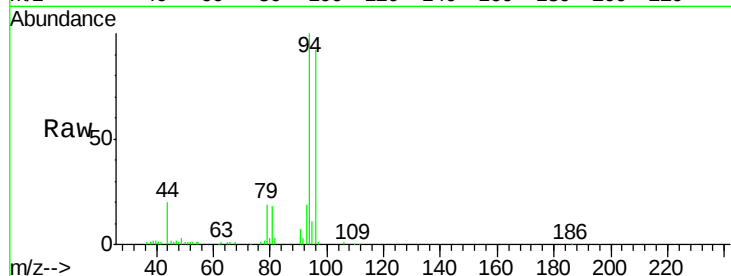
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	165084
Ion	Ratio	Lower	Upper
94	100		
96	91.5	73.4	110.2
93	18.7	18.2	27.4

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#6

Chloroethane

Concen: 54.443 ug/l

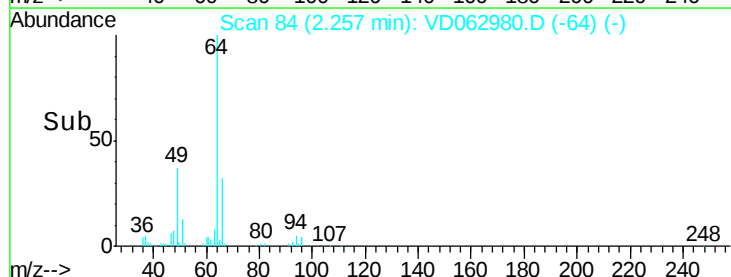
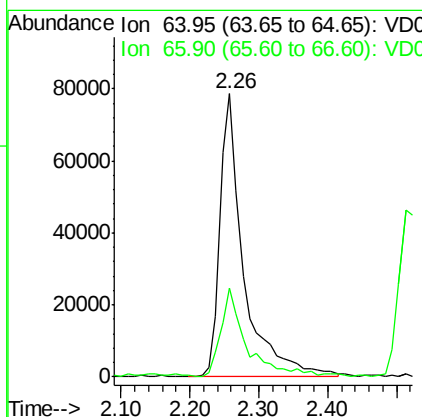
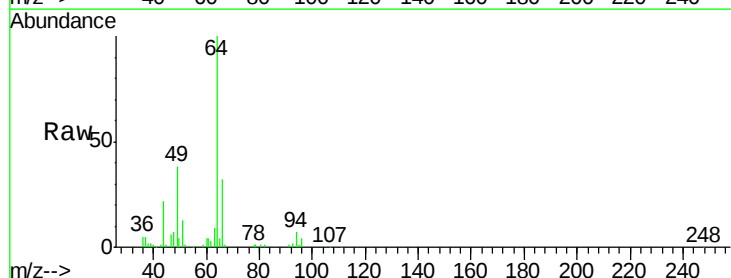
RT: 2.26 min Scan# 84

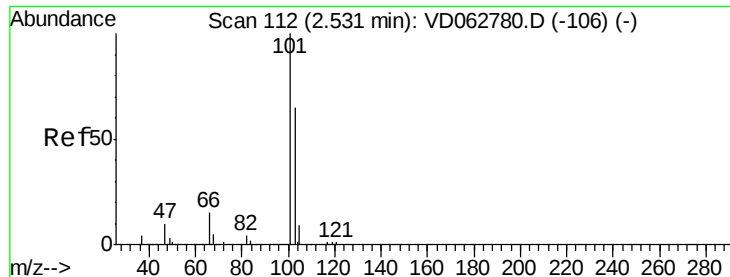
Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Tgt Ion:	64	Resp:	187559
Ion	Ratio	Lower	Upper
64	100		
66	31.5	23.0	34.4





#7

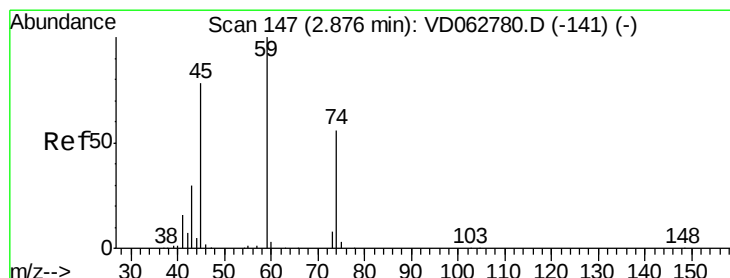
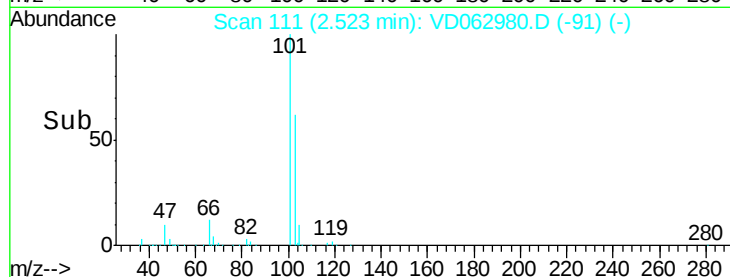
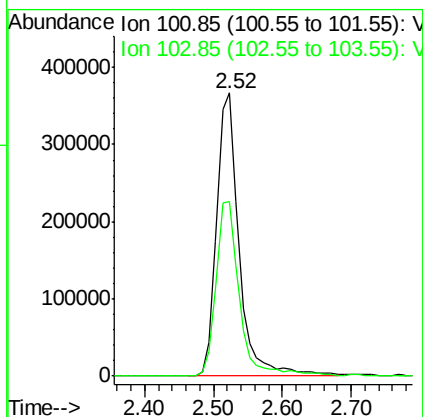
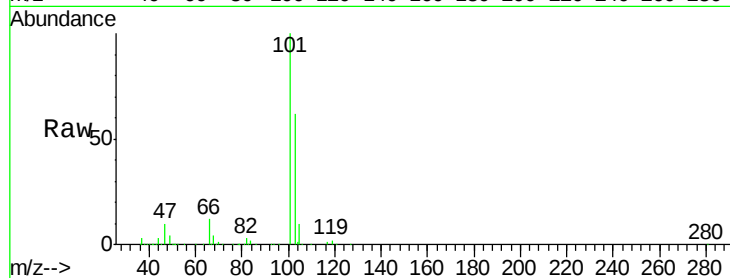
Trichlorofluoromethane
Concen: 53.996 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	831531		
103	61.8	51.8	77.8	

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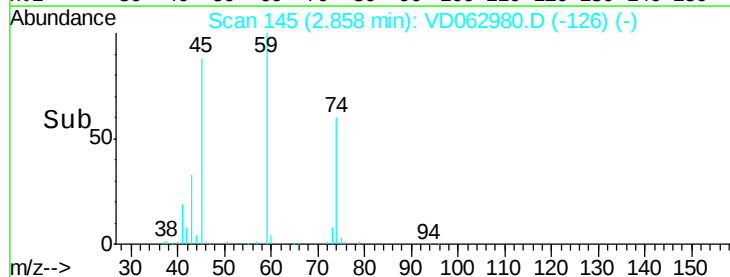
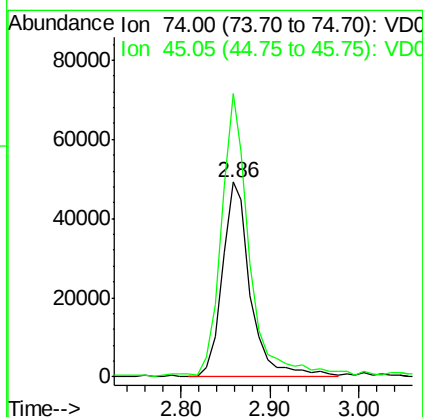
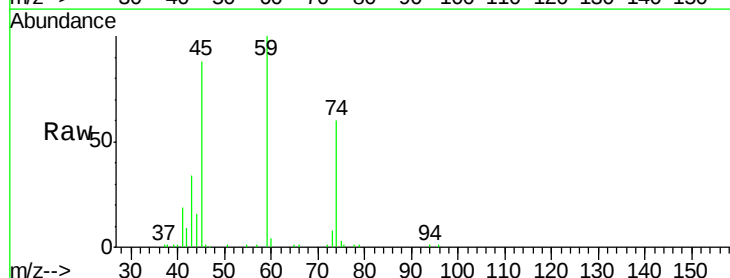
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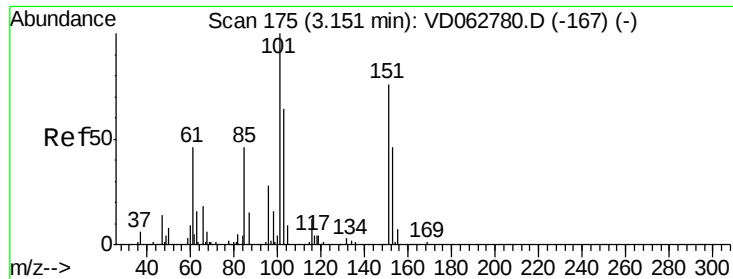


#8

Diethyl Ether
Concen: 55.874 ug/l
RT: 2.86 min Scan# 145
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	109327		
45	145.1	70.2	210.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.286 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.02 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

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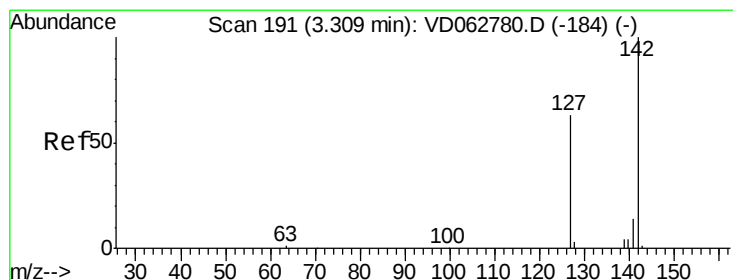
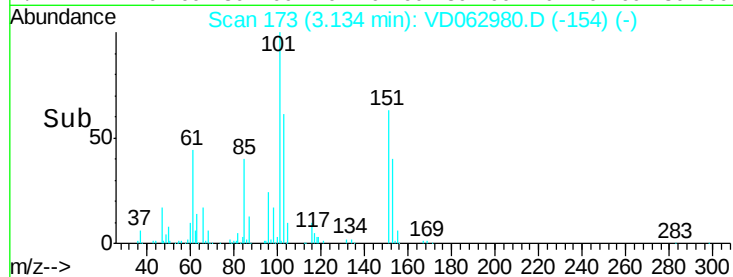
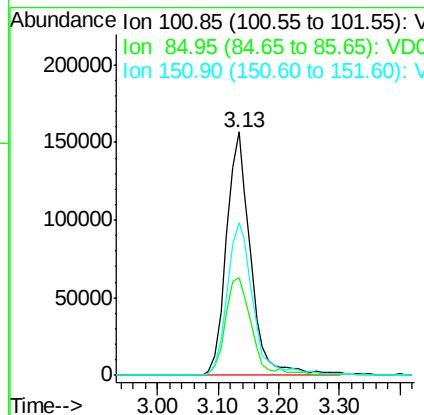
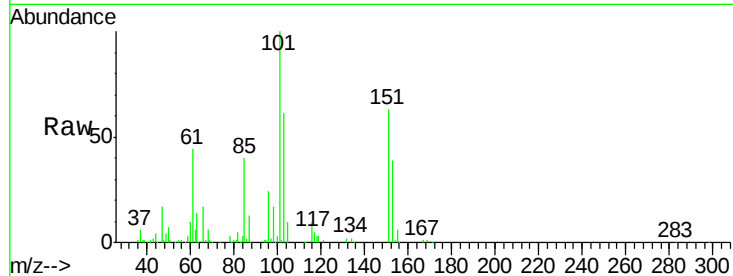
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	436218
Ion Ratio	Lower	Upper	
101	100		
85	40.2	37.0	55.4
151	62.7	60.5	90.7

Manual Integrations
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#10

Methyl Iodide

Concen: 45.230 ug/l

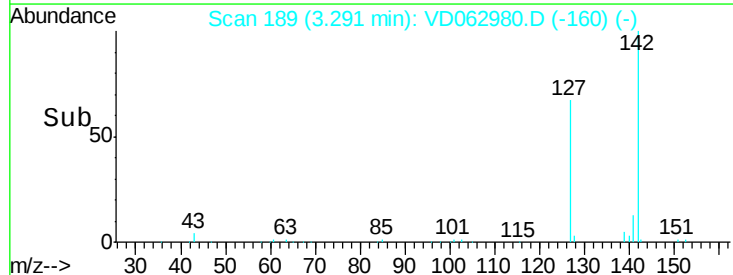
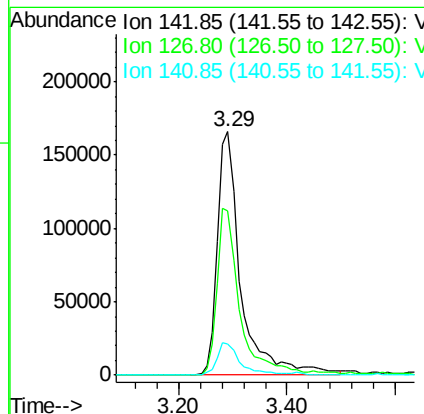
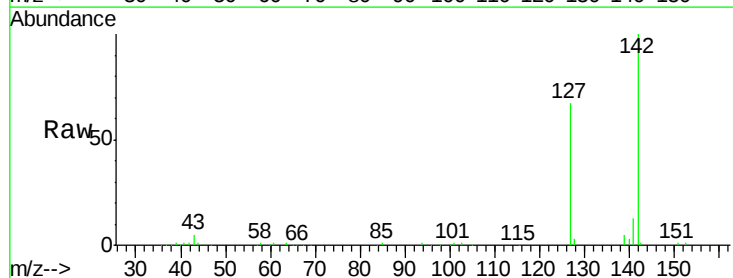
RT: 3.29 min Scan# 189

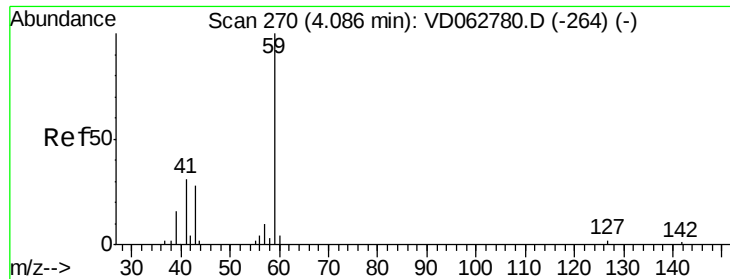
Delta R.T. -0.02 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Tgt Ion:	142	Resp:	497839
Ion Ratio	Lower	Upper	
142	100		
127	67.3	50.1	75.1
141	12.9	11.0	16.4





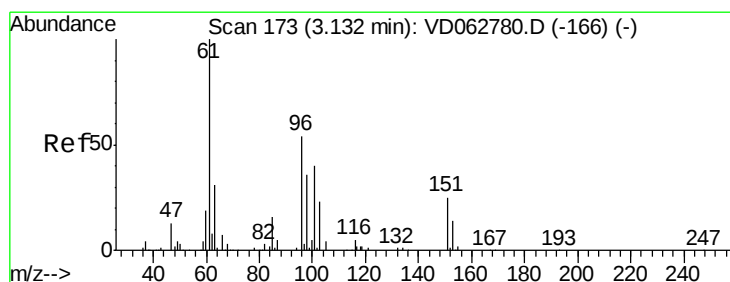
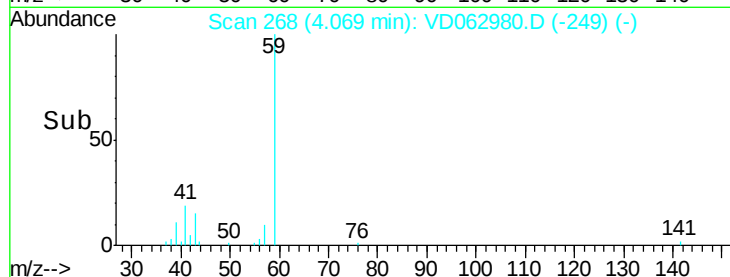
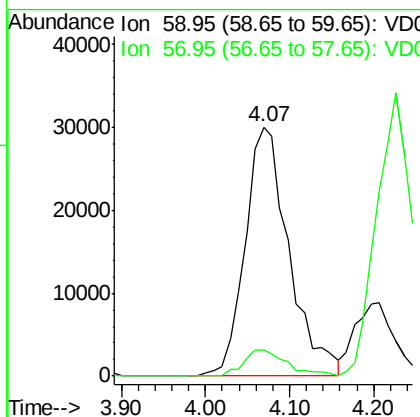
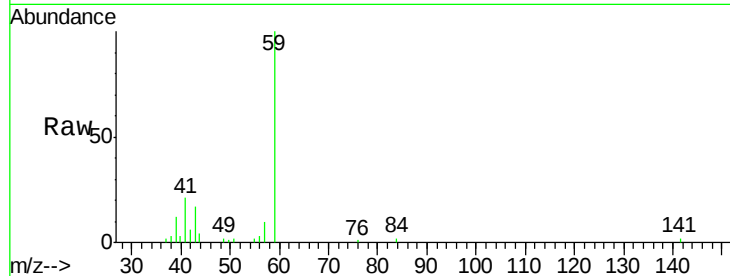
#11
Tert butyl alcohol
Concen: 280.133 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 109367
Ion Ratio Lower Upper
59 100
57 10.4 6.6 10.0#

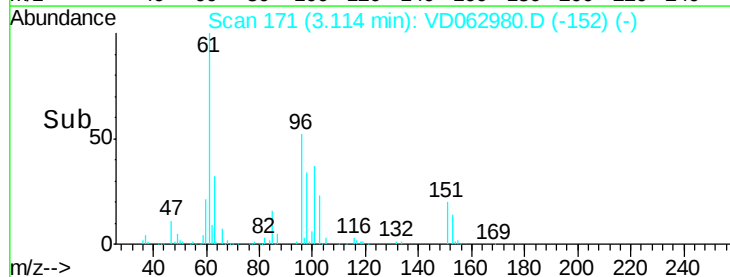
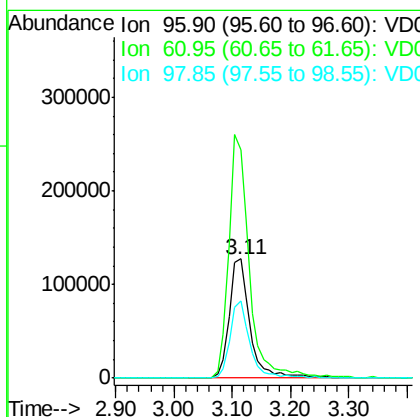
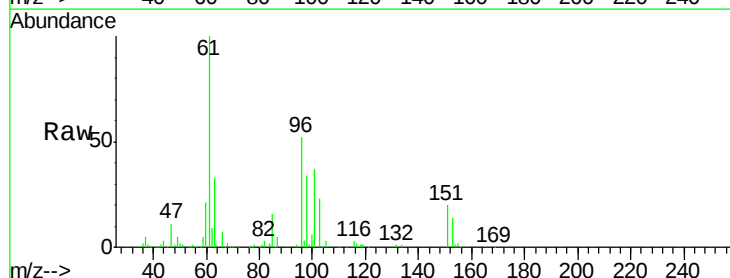
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#12
1,1-Dichloroethene
Concen: 50.381 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion: 96 Resp: 315317
Ion Ratio Lower Upper
96 100
61 191.5 147.1 220.7
98 65.2 52.6 79.0





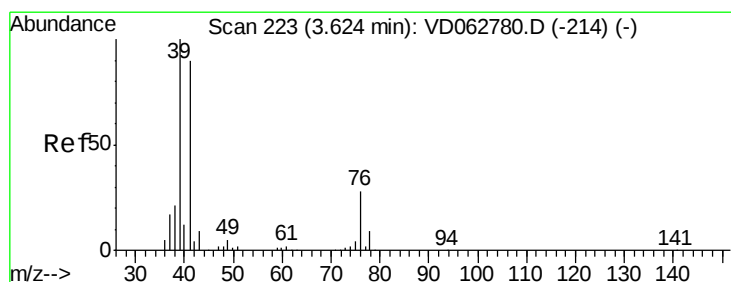
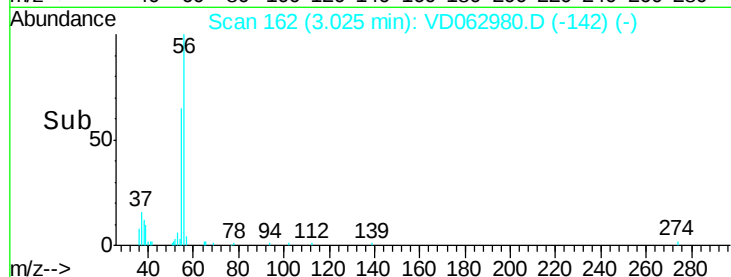
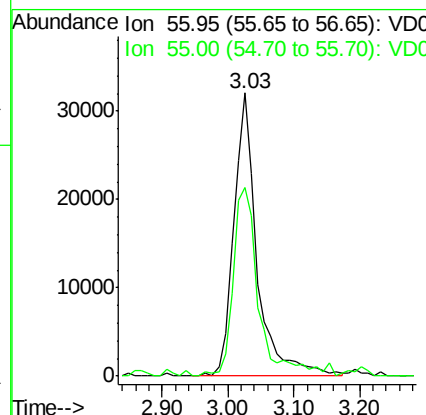
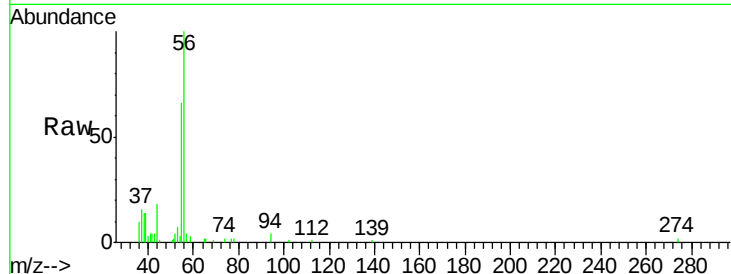
#13
Acrolein
Concen: 199.602 ug/l
RT: 3.03 min Scan# 162
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	66.4	55.4	83.0

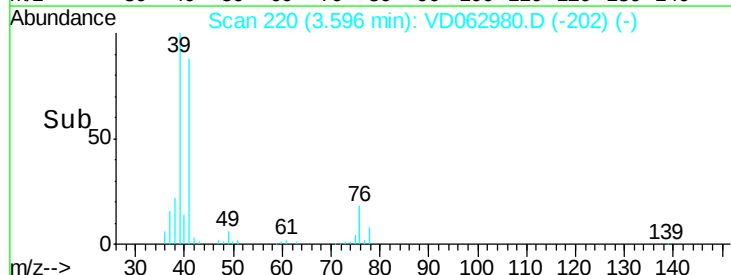
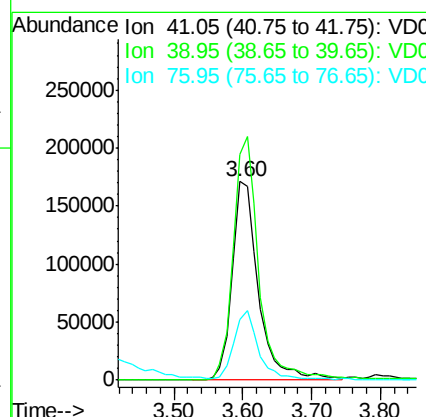
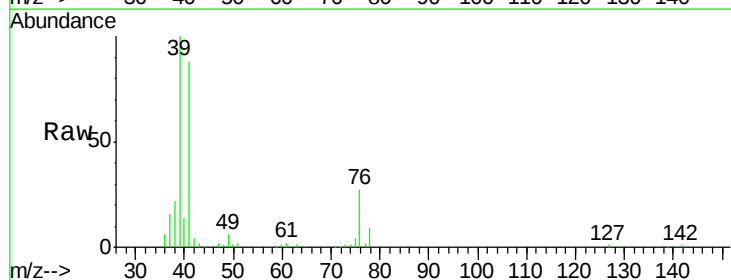
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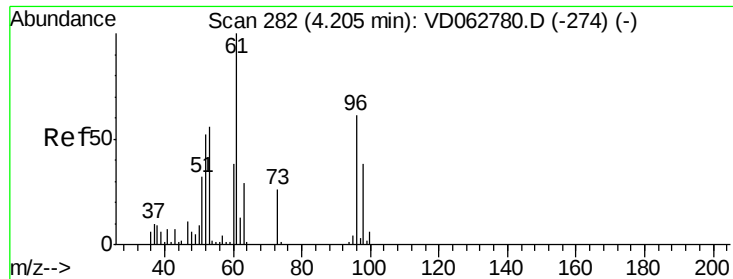
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#14
Allyl chloride
Concen: 49.026 ug/l
RT: 3.60 min Scan# 220
Delta R.T. -0.03 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
41	100		
39	113.4	88.8	133.2
76	30.5	26.7	40.1





#15

Acrylonitrile

Concen: 244.429 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 224229

Ion Ratio Lower Upper

53 100

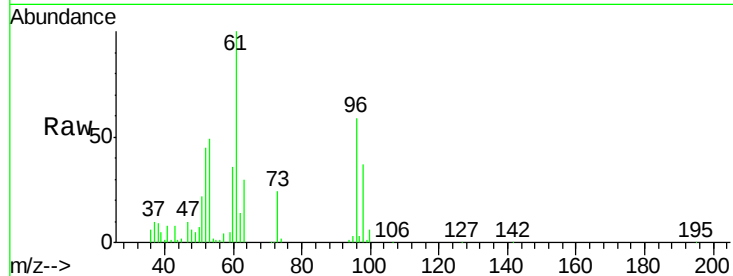
52 92.5 73.3 109.9

51 45.3 44.8 67.2

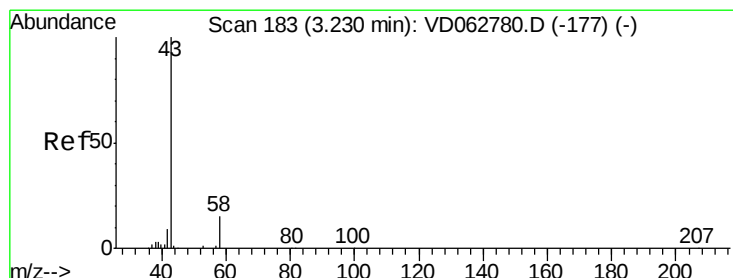
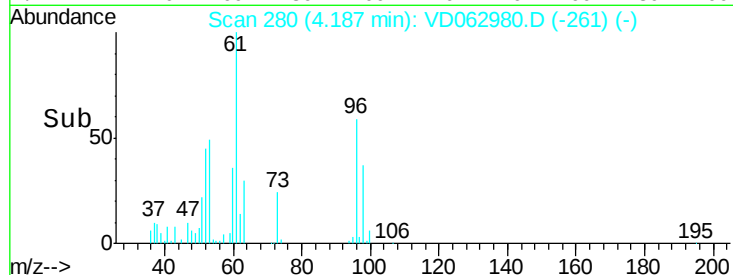
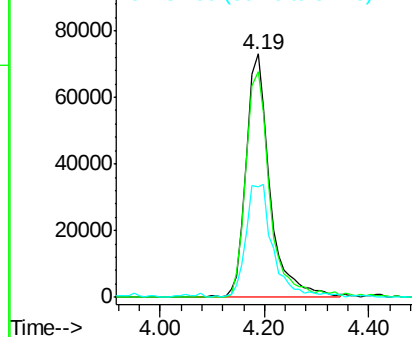
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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 274.886 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062980.D

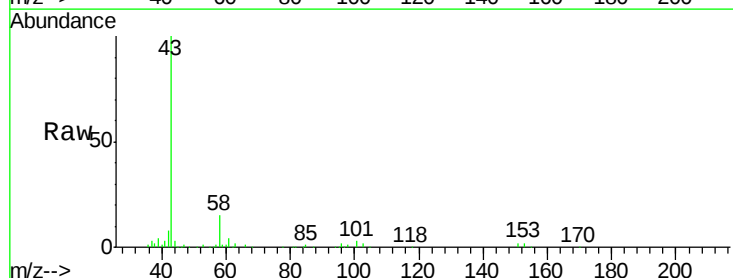
Acq: 1 Jul 2019 10:08

Tgt Ion: 43 Resp: 476633

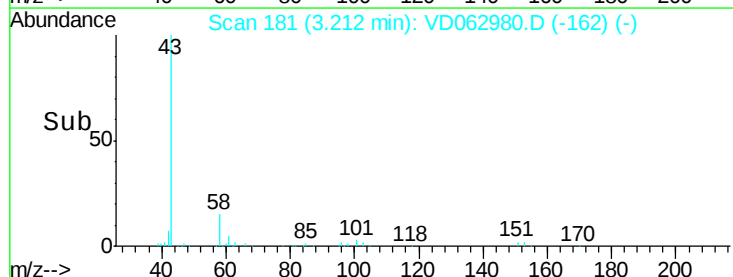
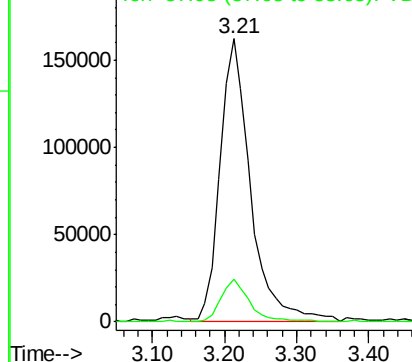
Ion Ratio Lower Upper

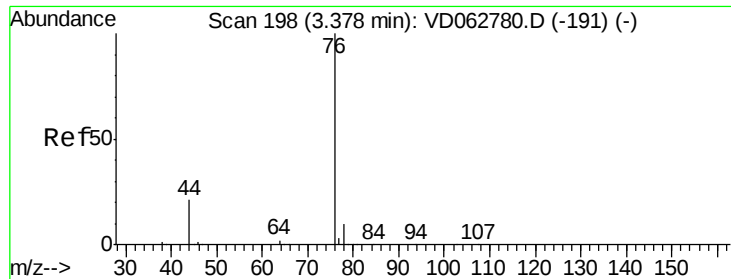
43 100

58 14.9 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





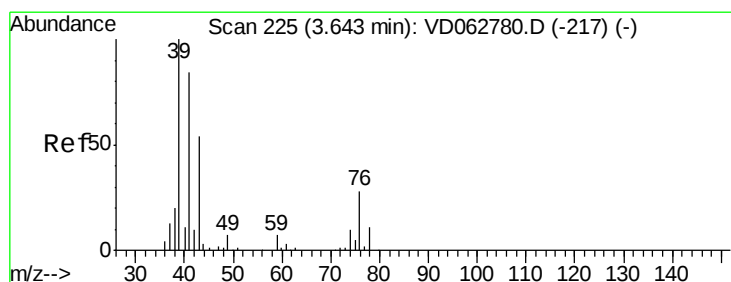
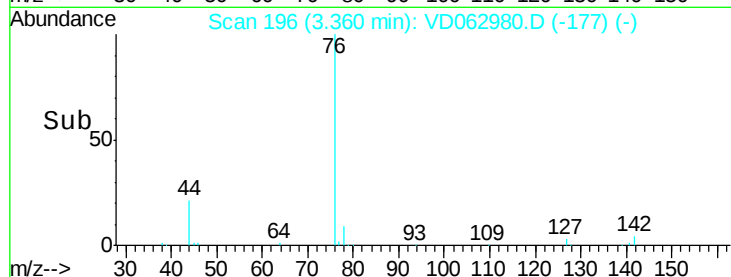
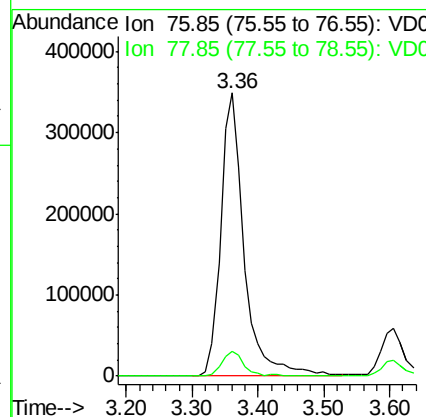
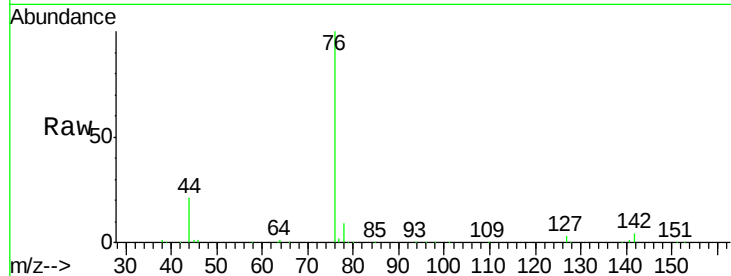
#17
Carbon Disulfide
Concen: 42.995 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	8.0	12.0

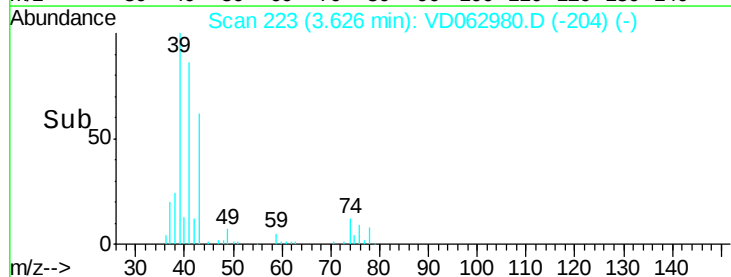
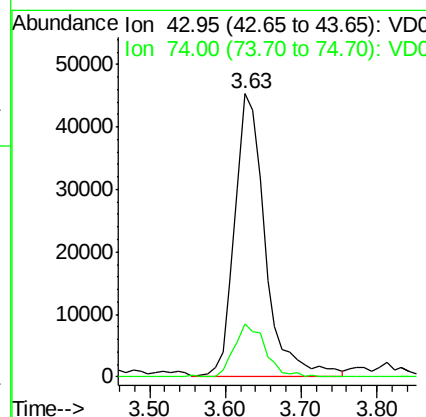
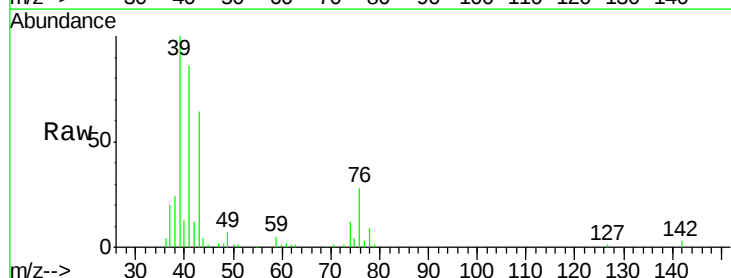
Manual Integrations
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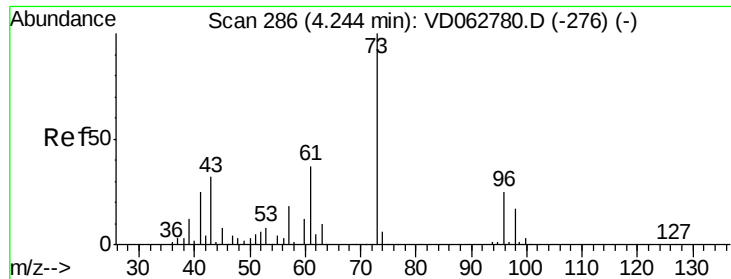
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#18
Methyl Acetate
Concen: 48.986 ug/l
RT: 3.63 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.7	15.2	22.8





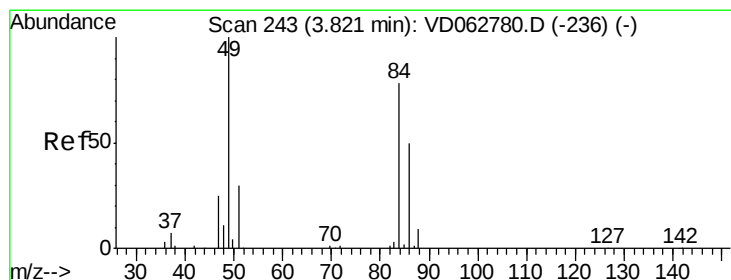
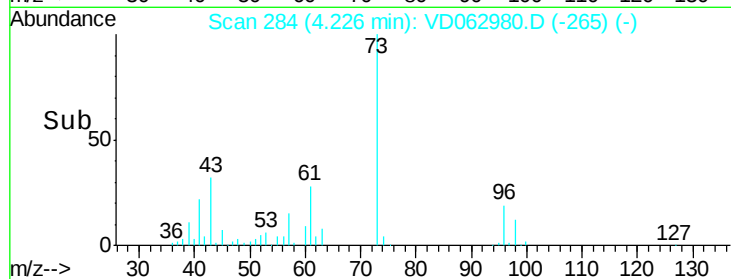
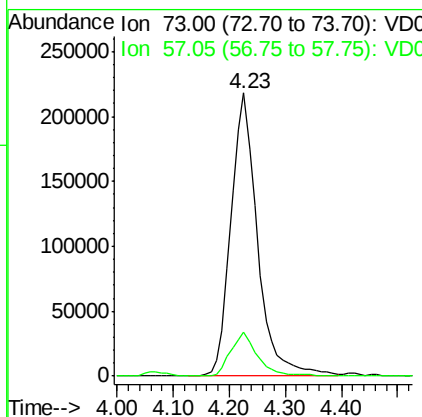
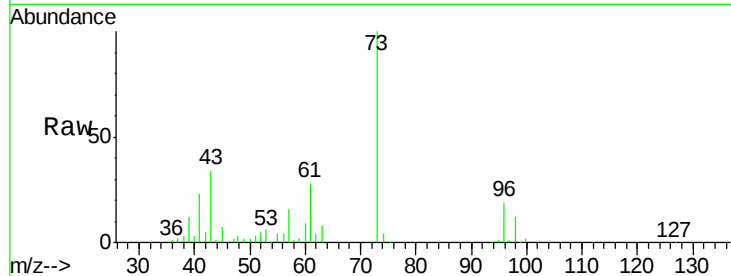
#19
Methyl tert-butyl Ether
Concen: 53.238 ug/l
RT: 4.23 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 721306
Ion Ratio Lower Upper
73 100
57 15.6 14.3 21.5

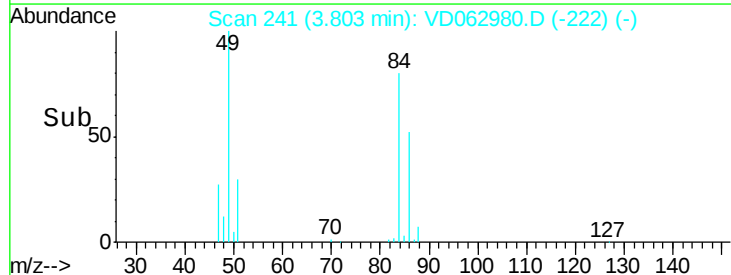
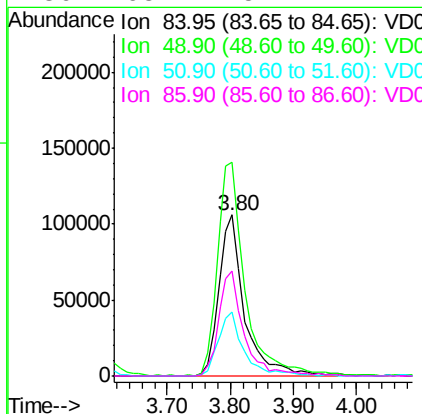
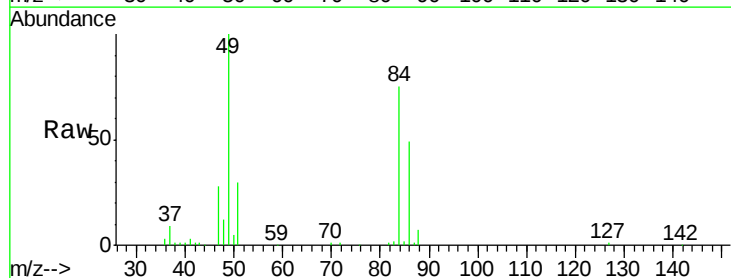
Manual Integrations
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#20
Methylene Chloride
Concen: 46.080 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion: 84 Resp: 301243
Ion Ratio Lower Upper
84 100
49 132.8 102.9 154.3
51 40.1 31.2 46.8
86 65.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 45.749 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.03 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 304871

Ion Ratio Lower Upper

96 100

61 175.4 131.0 196.4

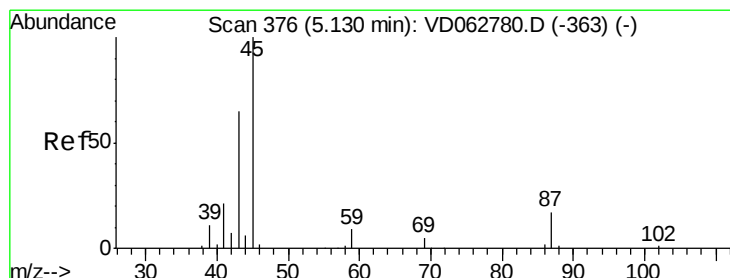
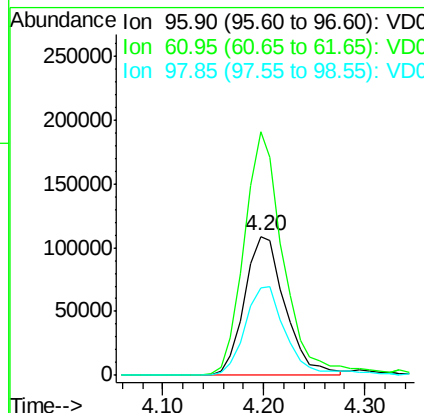
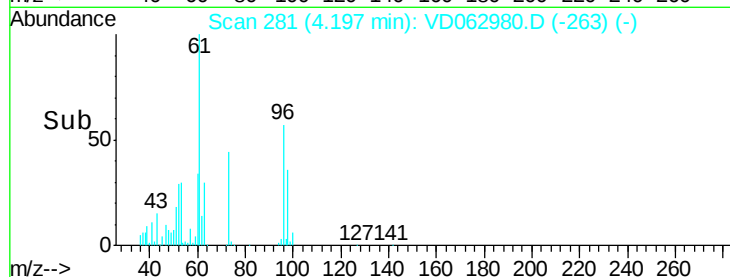
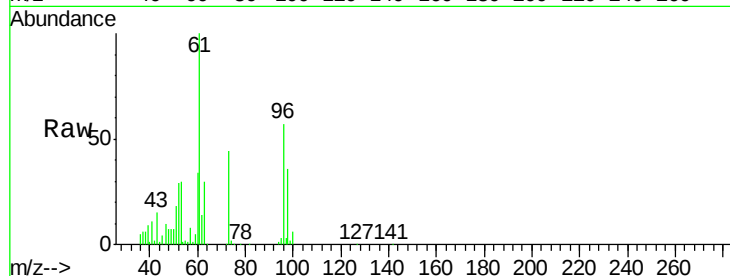
98 63.1 53.2 79.8

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#22

Diisopropyl ether

Concen: 50.856 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.03 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Tgt Ion: 45 Resp: 956450

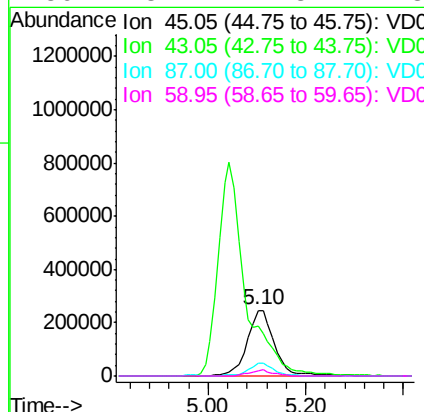
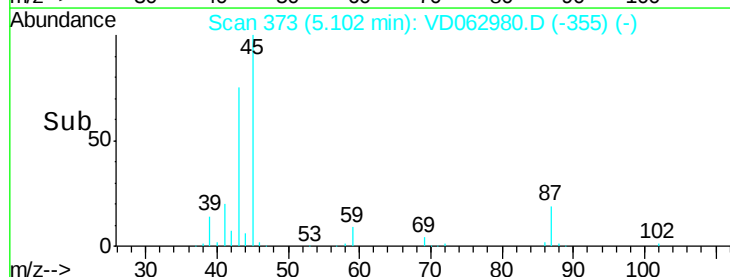
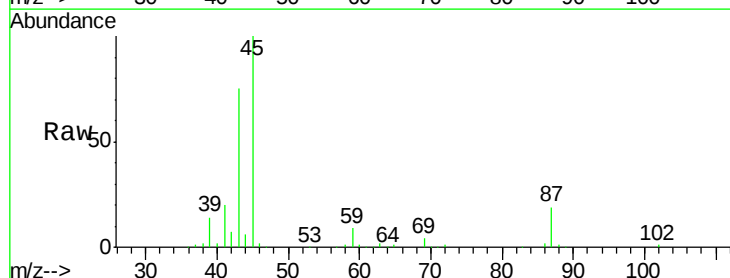
Ion Ratio Lower Upper

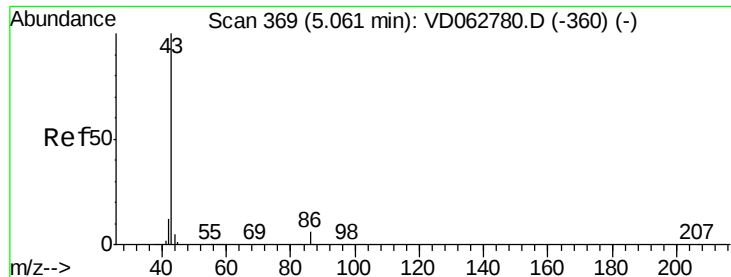
45 100

43 75.4 53.4 80.0

87 19.2 14.6 22.0

59 8.7 7.8 11.8





#23

Vinyl Acetate

Concen: 265.036 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.02 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3119018

Ion Ratio Lower Upper

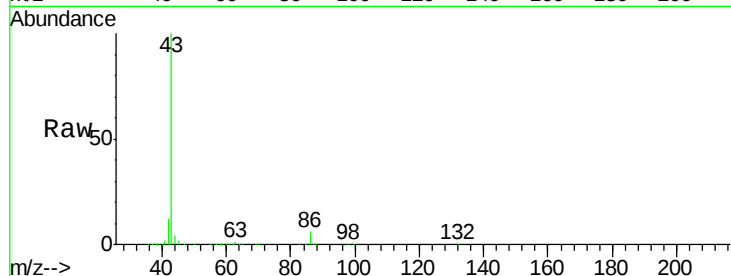
43 100

86 6.2 4.7 7.1

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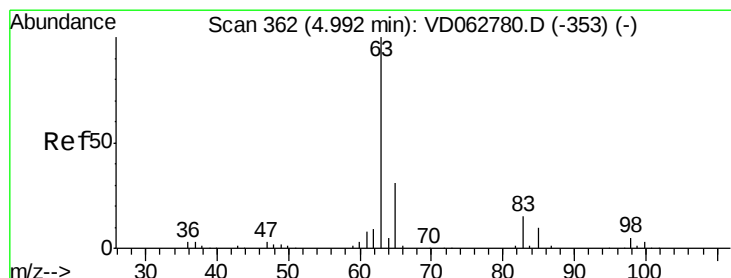
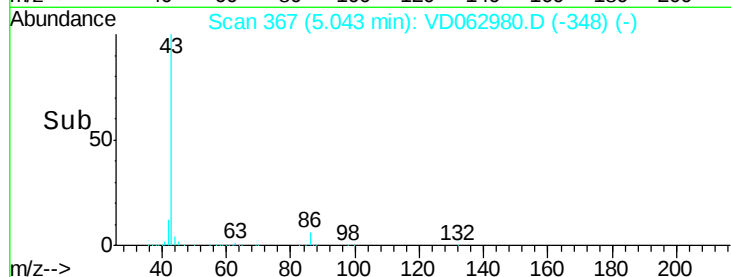
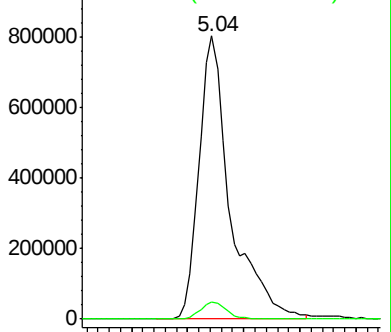
MMDadoda

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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: 48.479 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.03 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

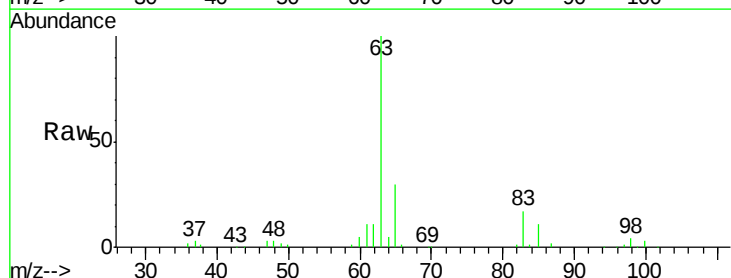
Tgt Ion: 63 Resp: 593615

Ion Ratio Lower Upper

63 100

98 4.2 2.3 6.9

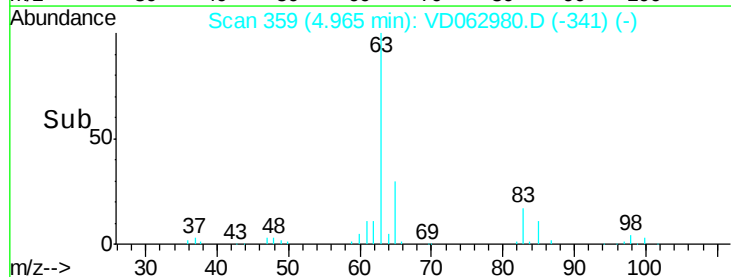
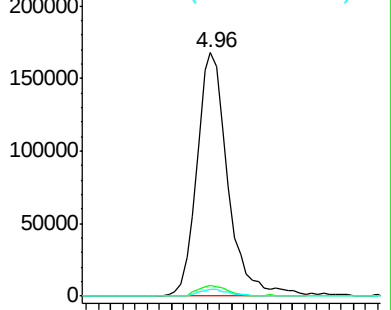
100 3.1 1.7 5.1

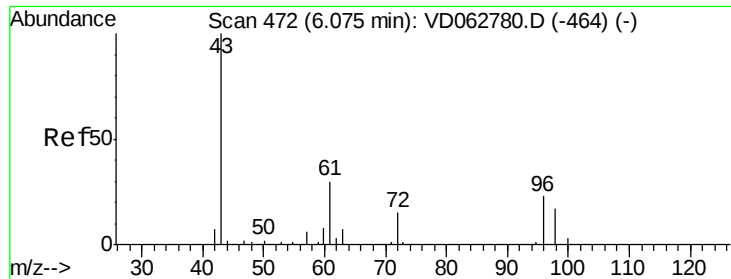


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 274.065 ug/l

RT: 6.06 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Tot Ion: 43 Resp: 439390

Ion Ratio Lower Upper

43 100

72 16.9 11.9 17.9

Instrument :

MSVOA_D

ClientSampleId :

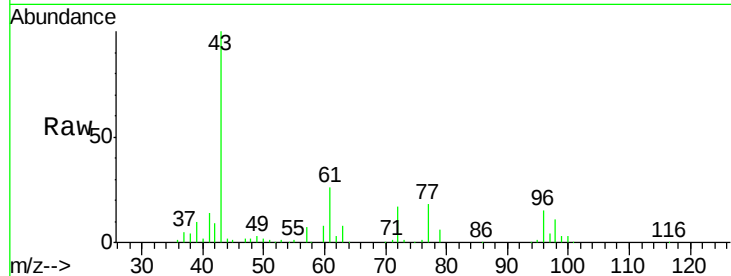
VSTDCCC050

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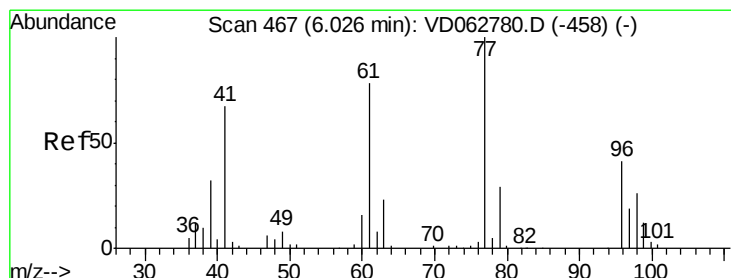
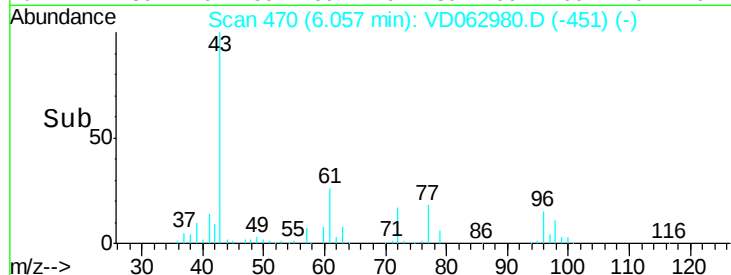
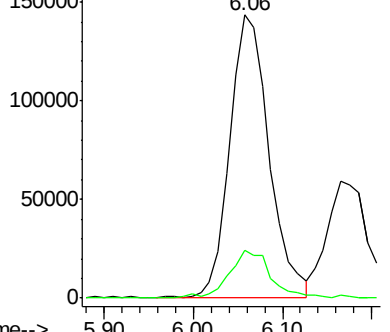
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.376 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD062980.D

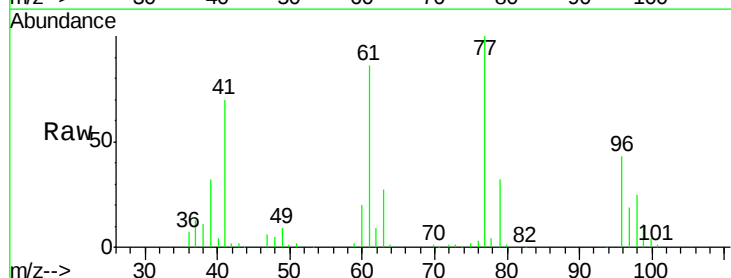
Acq: 1 Jul 2019 10:08

Tgt Ion: 77 Resp: 692752

Ion Ratio Lower Upper

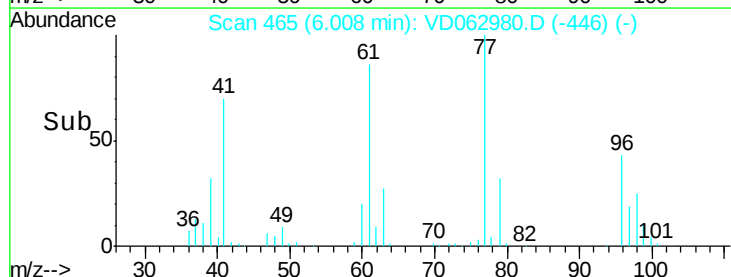
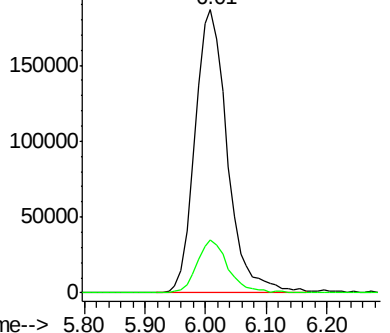
77 100

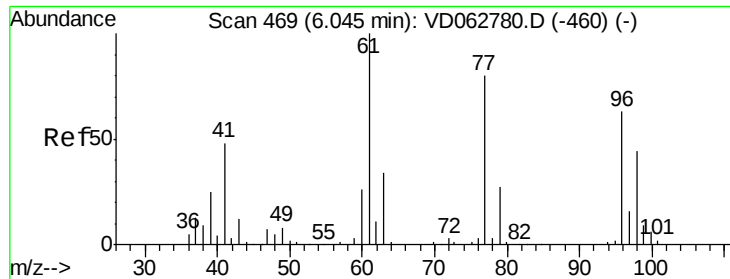
97 18.6 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

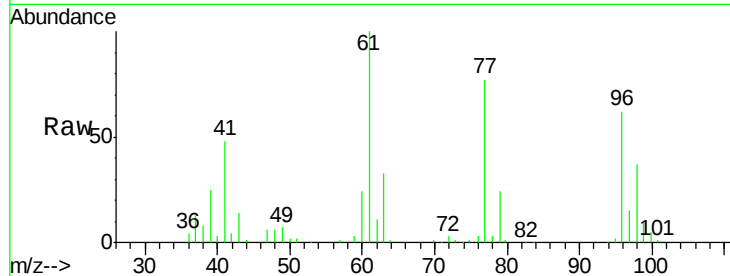
cis-1,2-Dichloroethene
 Concen: 46.733 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

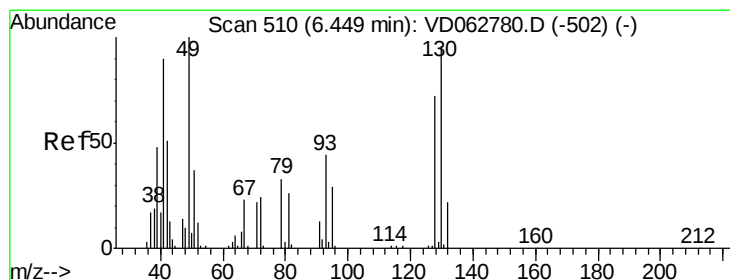
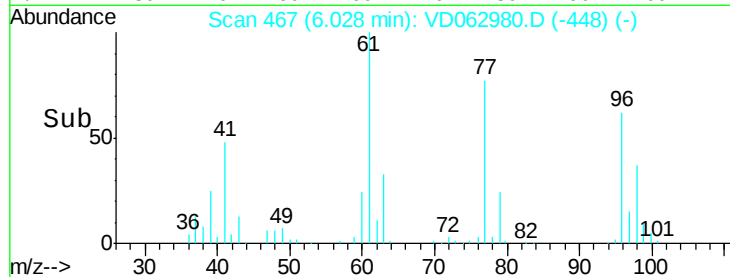
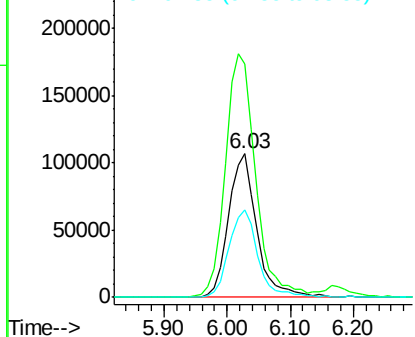
Tot Ion	Ratio	Resp	Lower	Upper
96	100	329337		
61	162.4	0.0	316.0	
98	60.8	0.0	138.4	

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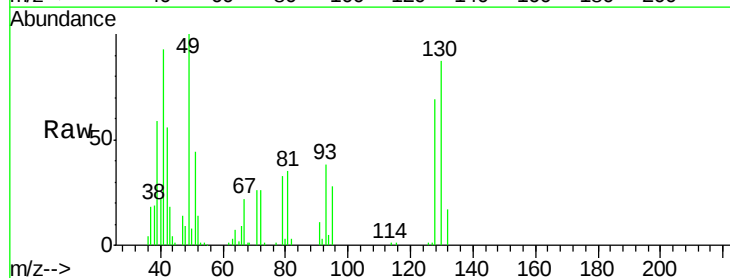
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



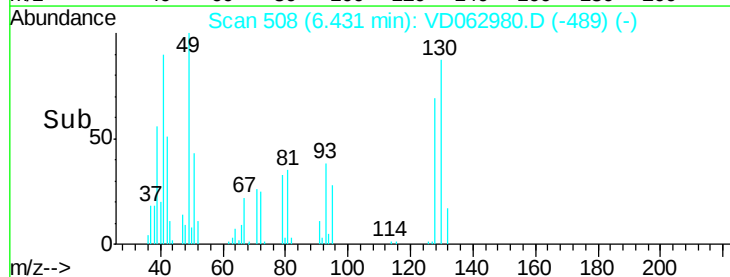
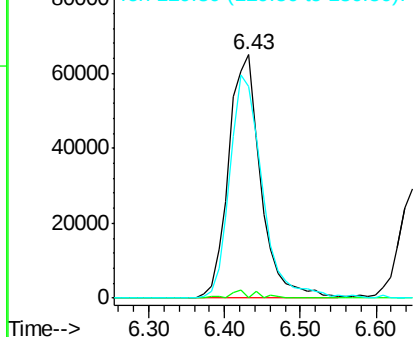
#28

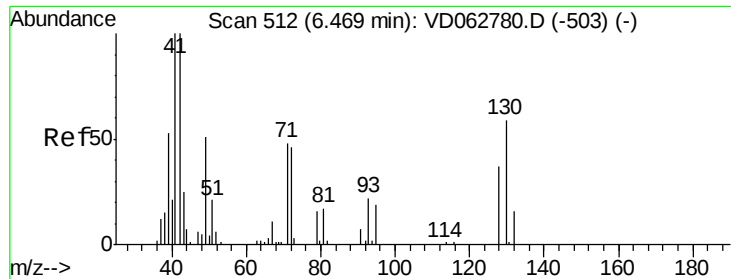
Bromochloromethane
 Concen: 44.148 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	190393		
129	0.0	0.0	5.6	
130	86.8	76.6	114.8	



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





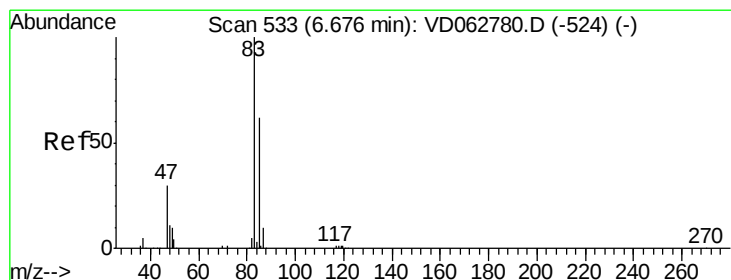
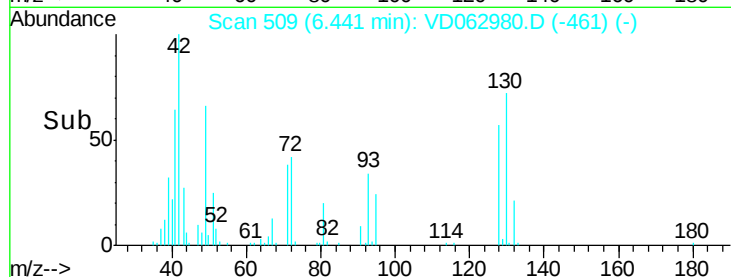
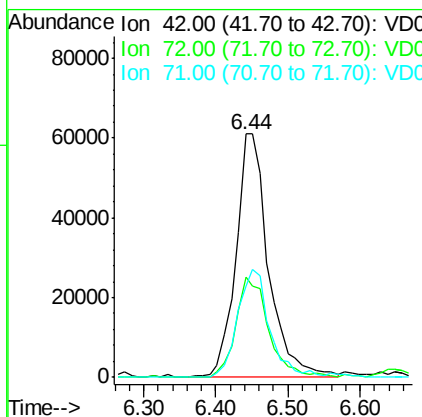
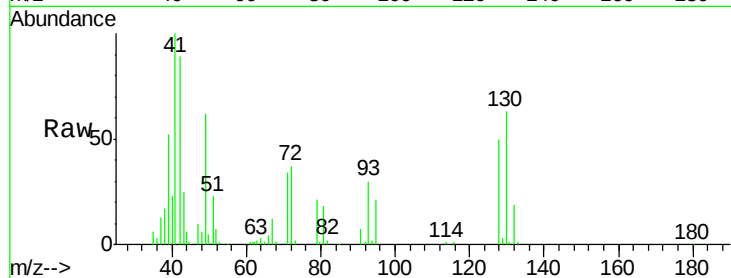
#29
Tetrahydrofuran
Concen: 253.419 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.03 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	35.0	52.6
71	43.6	33.3	49.9

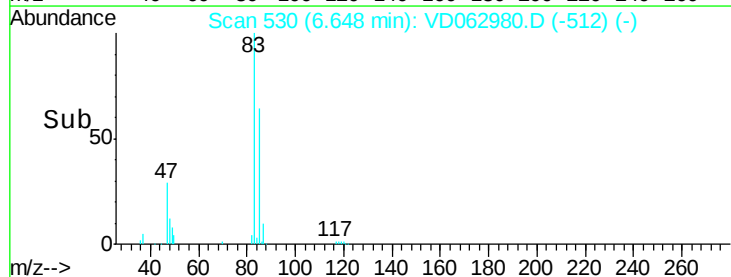
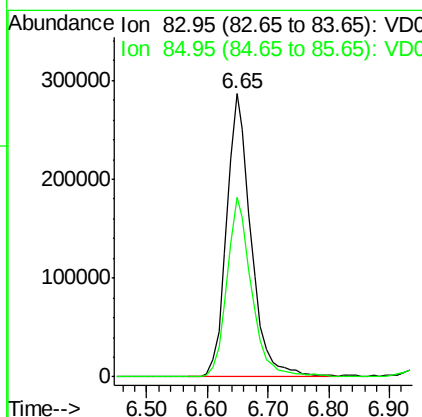
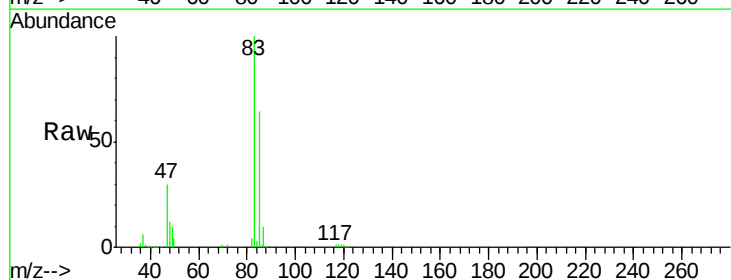
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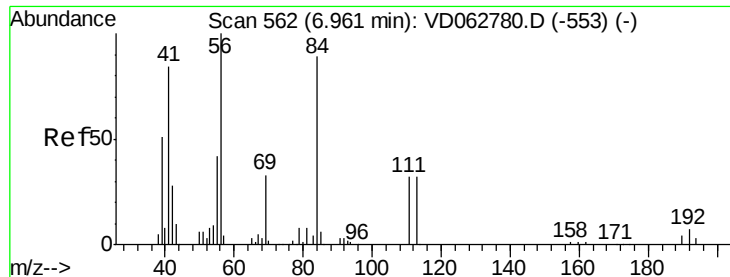
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#30
Chloroform
Concen: 53.858 ug/l
RT: 6.65 min Scan# 530
Delta R.T. -0.03 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.8	74.6





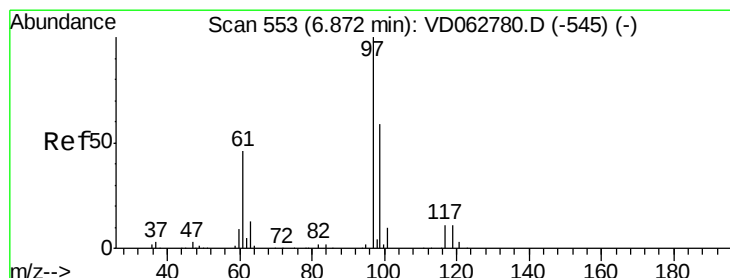
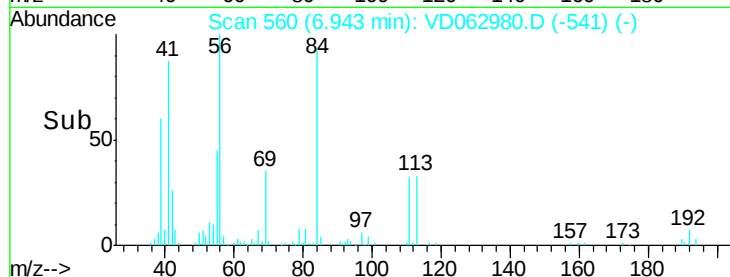
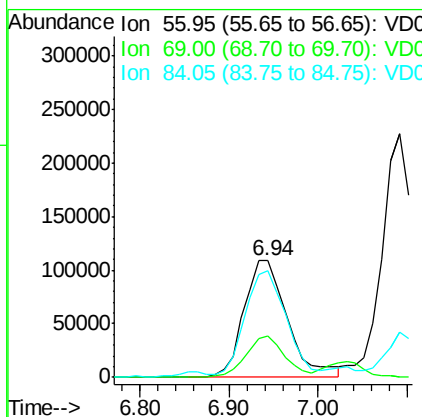
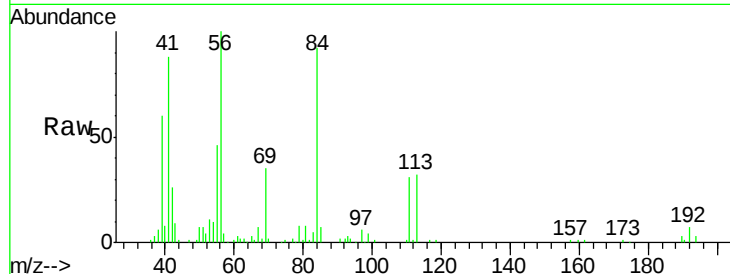
#31
Cyclohexane
Concen: 45.738 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.6	39.8
84	91.7	75.5	113.3

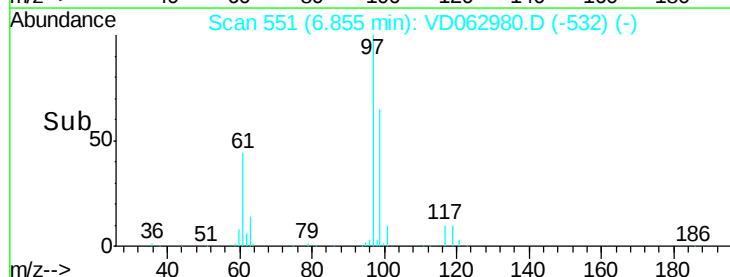
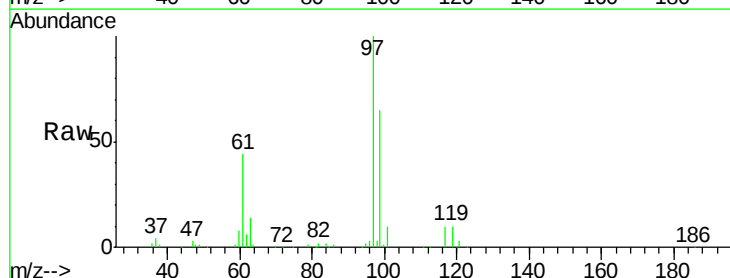
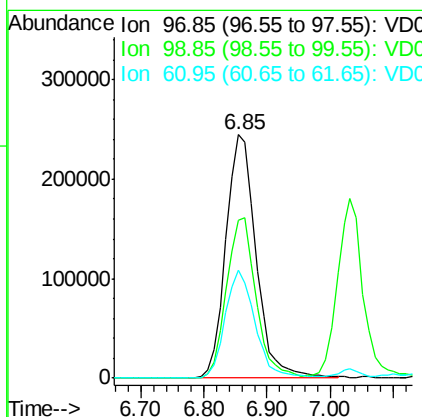
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#32
1,1,1-Trichloroethane
Concen: 52.229 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	47.4	71.2
61	44.2	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 50.726 ug/l

RT: 7.44 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 434824

Ion Ratio Lower Upper

65 100

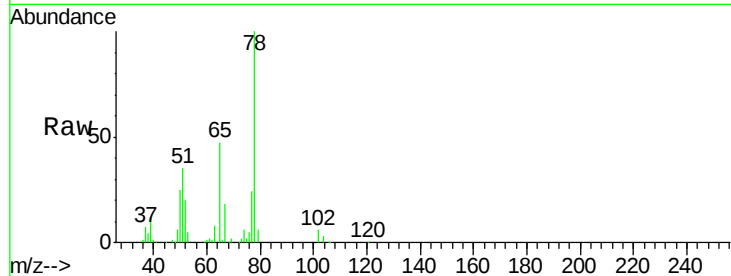
67 38.1 0.0 87.4

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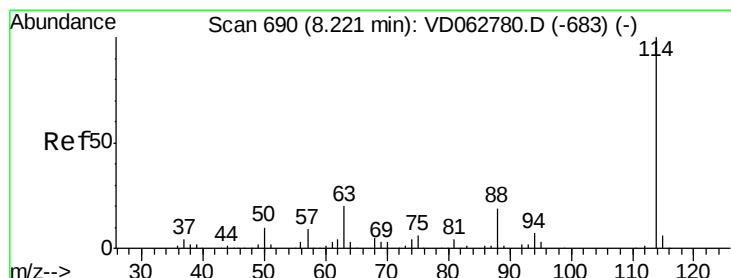
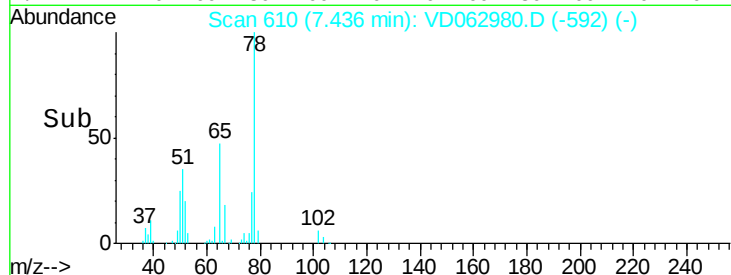
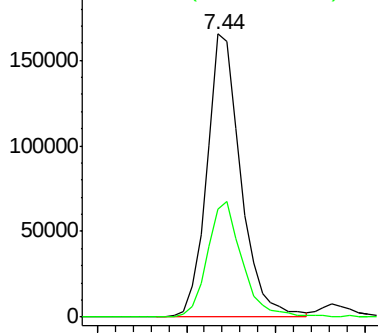
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

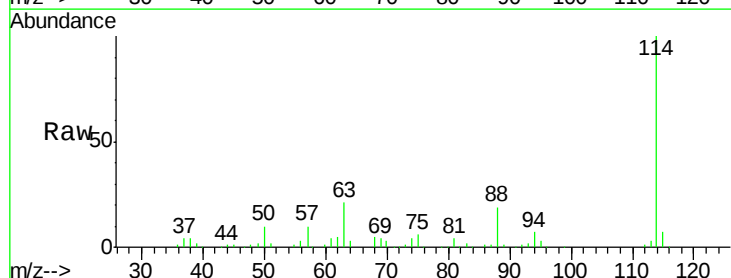
Tgt Ion: 114 Resp: 1037572

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

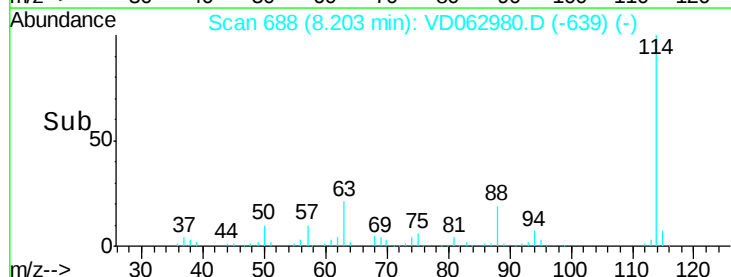
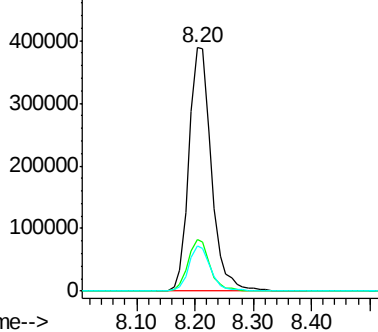
88 18.7 0.0 38.8

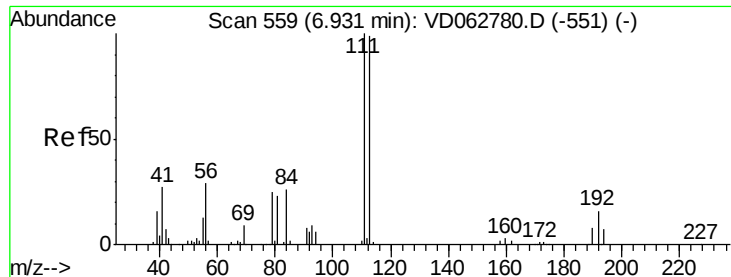


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





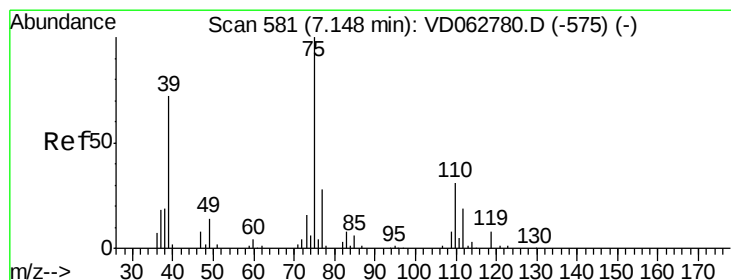
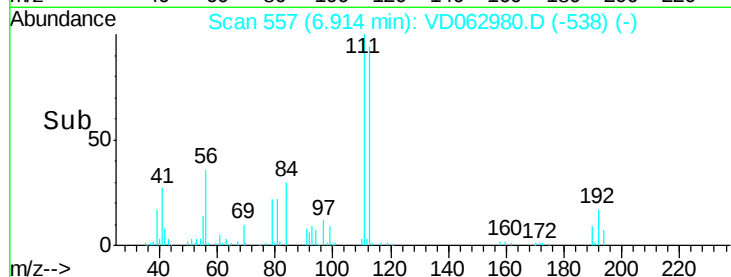
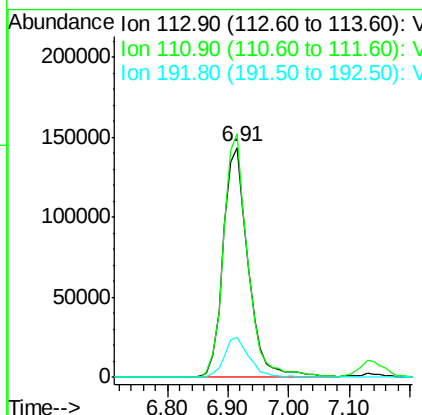
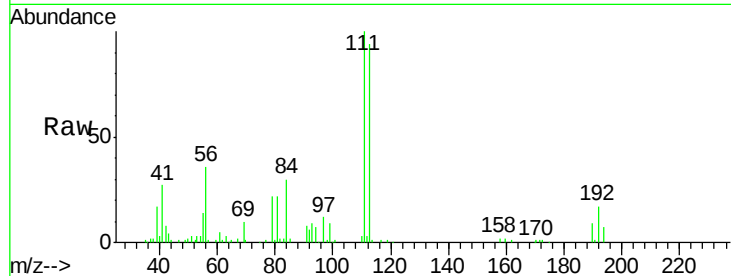
#35
 Dibromofluoromethane
 Concen: 47.251 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	413384		
111	106.0	81.2	121.8	
192	17.6	12.9	19.3	

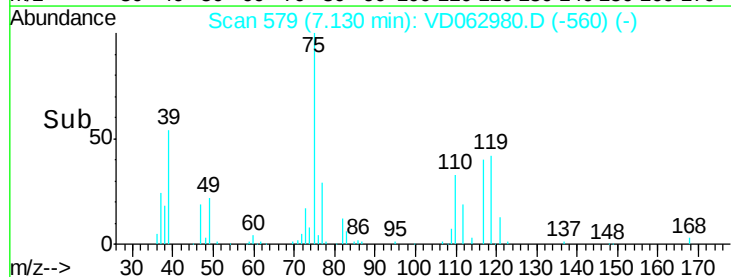
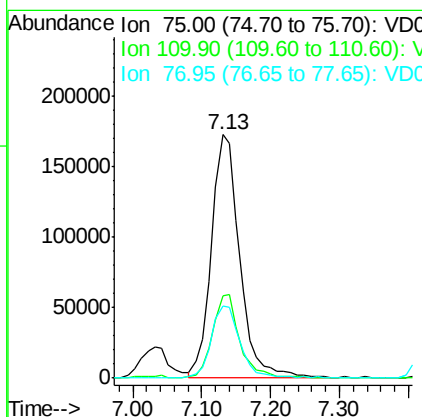
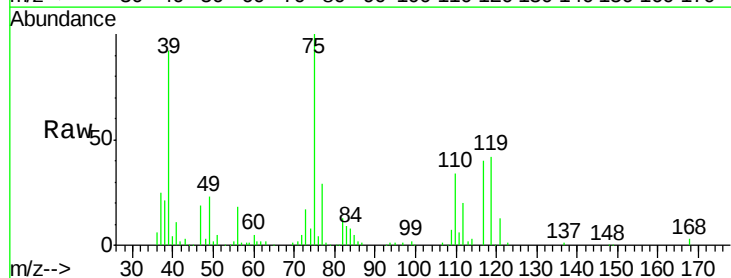
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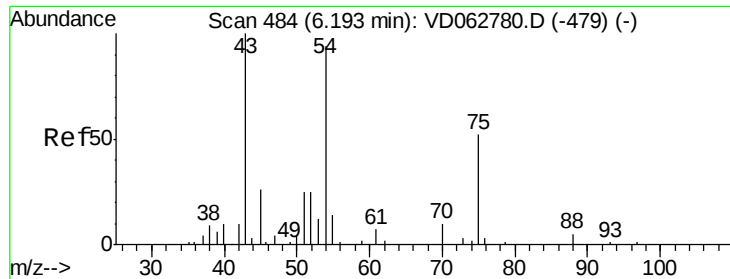
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#36
 1,1-Dichloropropene
 Concen: 49.642 ug/l
 RT: 7.13 min Scan# 579
 Delta R.T. -0.02 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	487584		
110	33.6	15.0	45.1	
77	29.4	22.2	33.2	





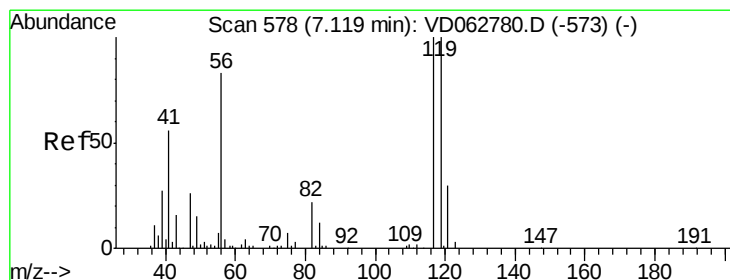
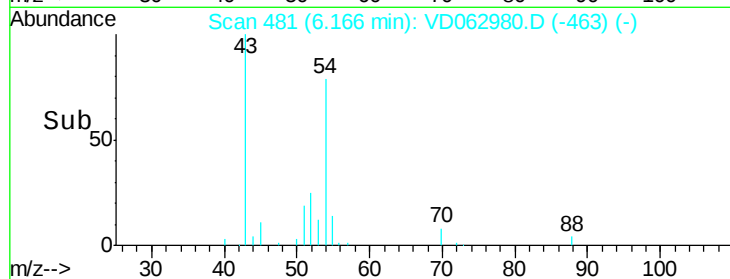
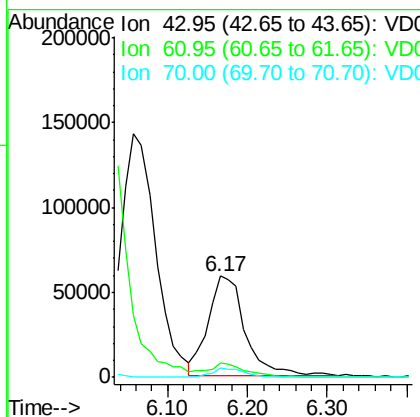
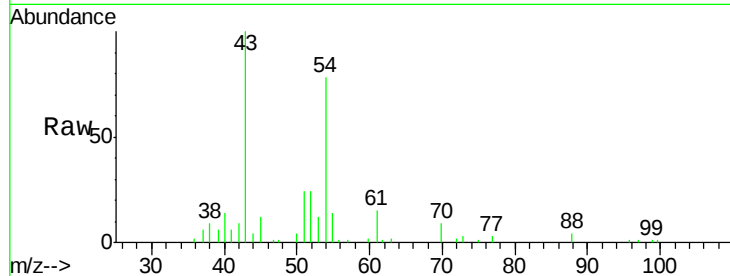
#37
Ethyl Acetate
Concen: 46.556 ug/l
RT: 6.17 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.6	17.4
70	8.8	6.4	9.6

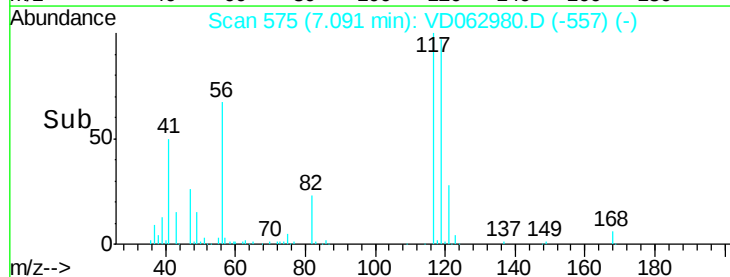
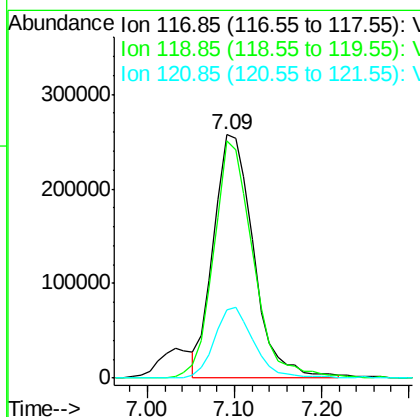
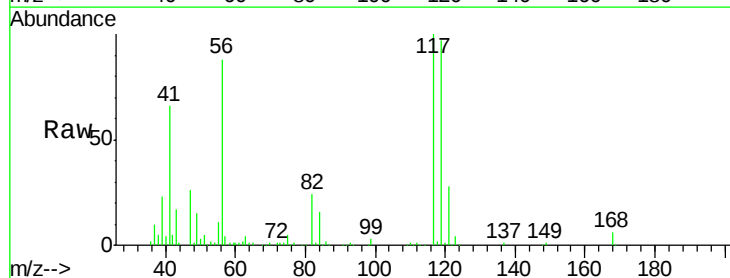
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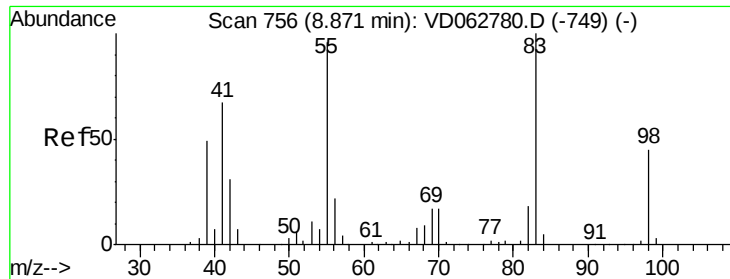
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#38
Carbon Tetrachloride
Concen: 55.481 ug/l m
RT: 7.09 min Scan# 575
Delta R.T. -0.03 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.4	113.2
121	28.1	22.3	33.5





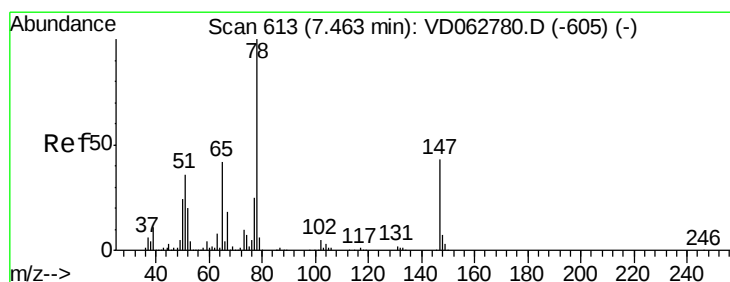
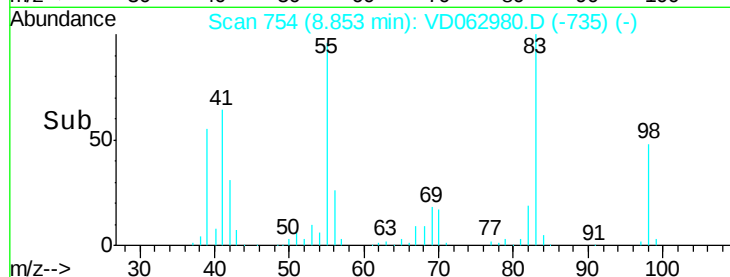
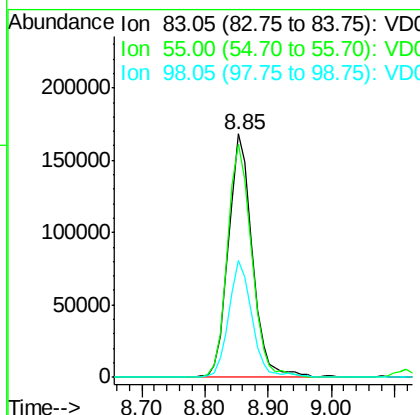
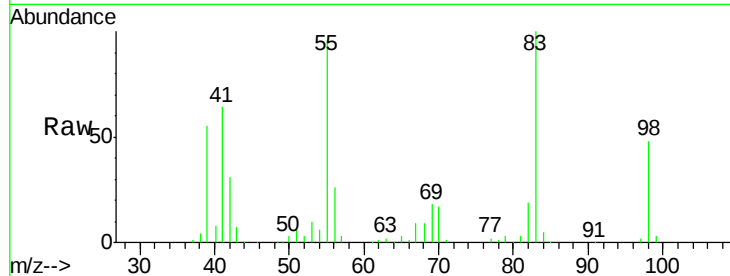
#39
Methvlcvclohexane
Concen: 50.954 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 440538
Ion Ratio Lower Upper
83 100
55 96.0 76.6 115.0
98 47.8 35.7 53.5

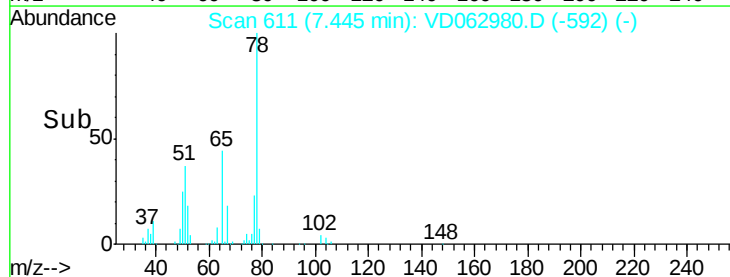
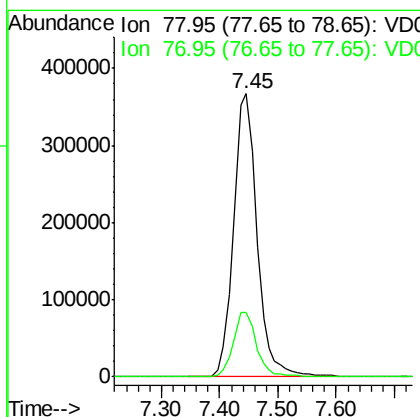
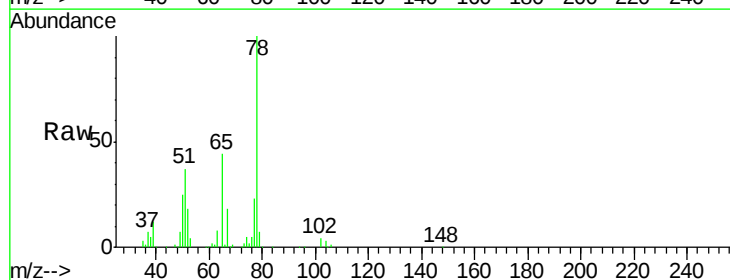
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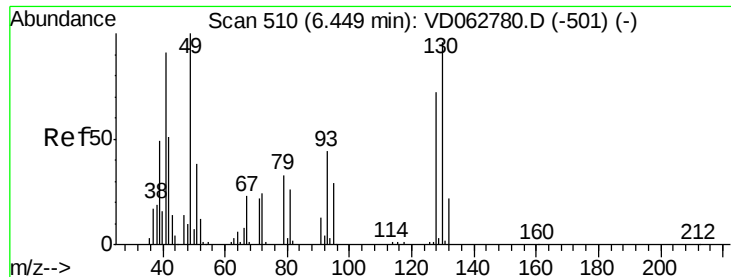
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#40
Benzene
Concen: 52.243 ug/l
RT: 7.45 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion: 78 Resp: 1030020
Ion Ratio Lower Upper
78 100
77 22.9 20.2 30.2





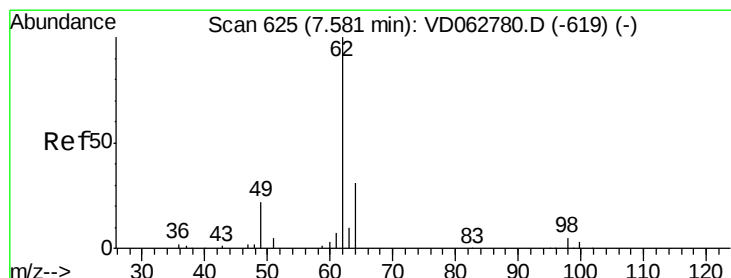
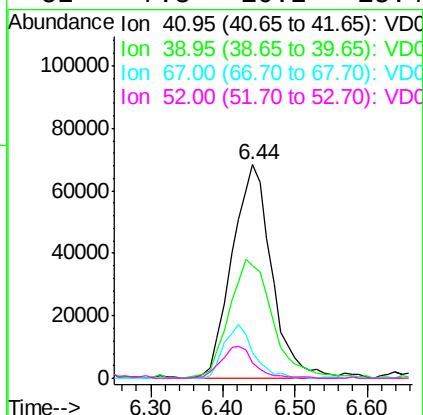
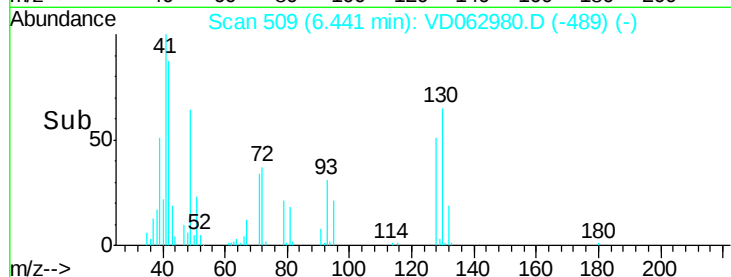
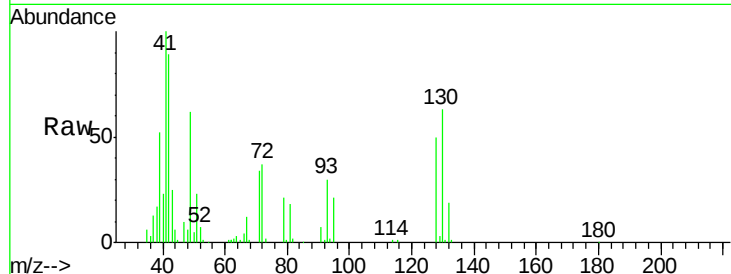
#41
Methacrylonitrile
Concen: 50.517 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.5	43.2	64.8
67	11.8	19.9	29.9
52	7.3	10.2	15.4

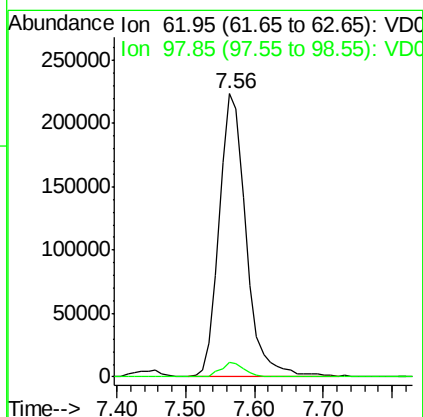
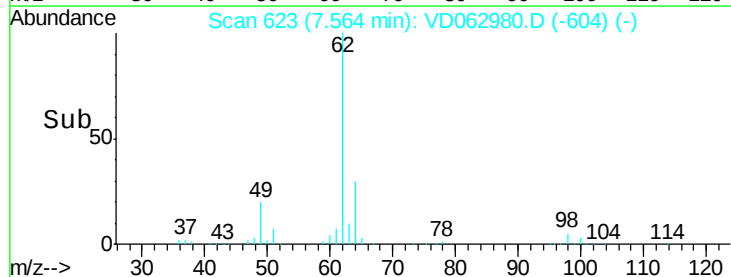
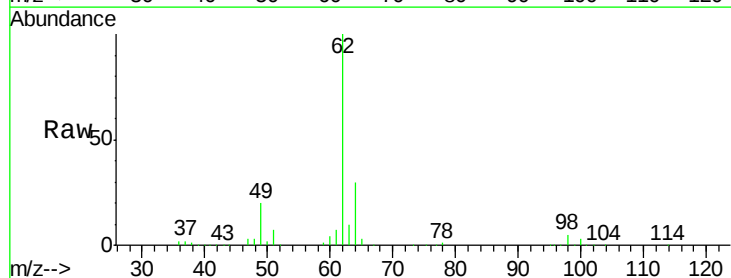
Manual Integrations
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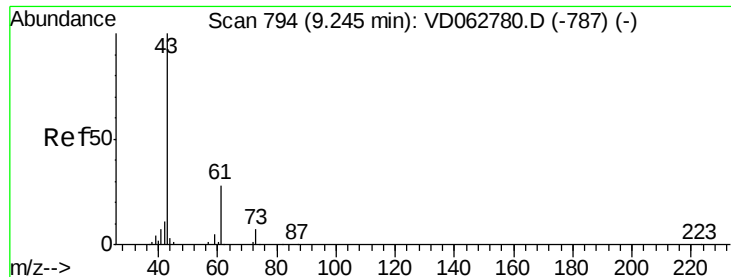
MMDadoda
7/3/2019 9:15:47 AM



#42
1,2-Dichloroethane
Concen: 56.285 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	10.0





#43

Isopropyl Acetate

Concen: 51.716 ug/l

RT: 9.24 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

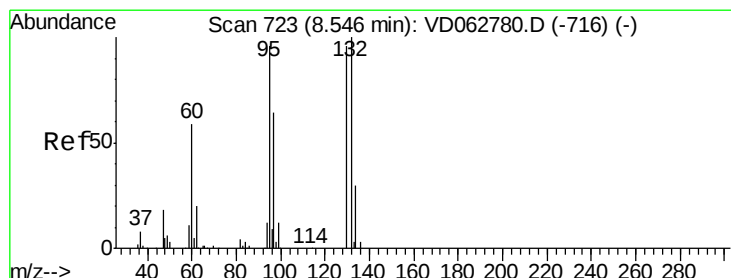
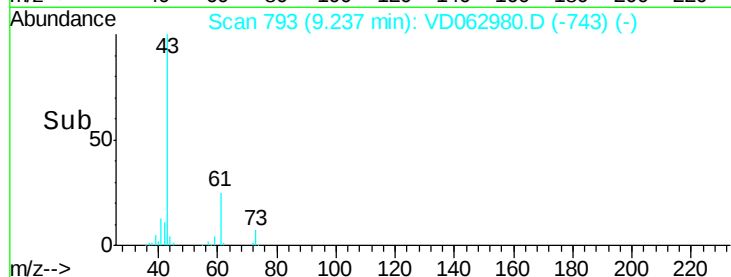
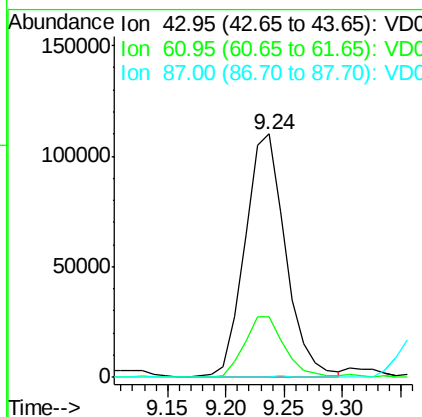
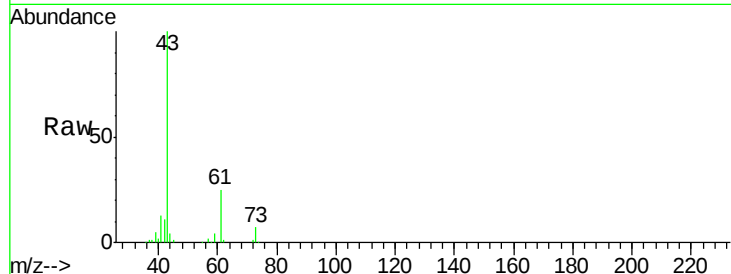
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	266304
Ion	Ratio	Lower	Upper
43	100		
61	24.7	22.4	33.6
87	0.0	0.3	0.5#

Manual Integrations
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7/3/2019 9:15:47 AM



#44

Trichloroethene

Concen: 54.297 ug/l

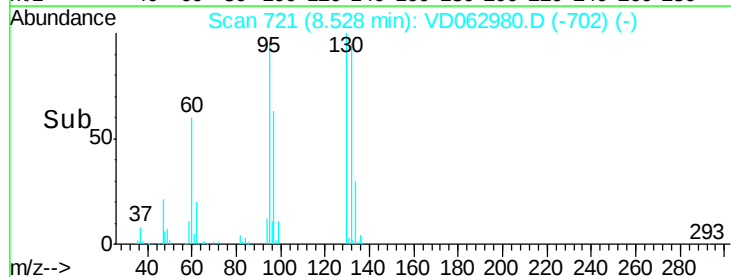
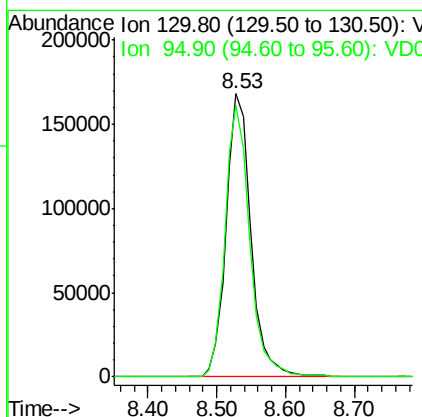
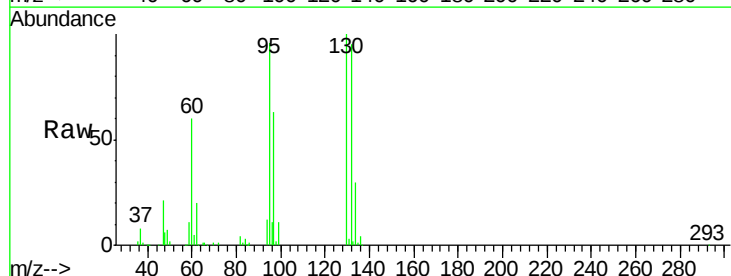
RT: 8.53 min Scan# 721

Delta R.T. -0.02 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Tgt Ion:	130	Resp:	419689
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	201.6





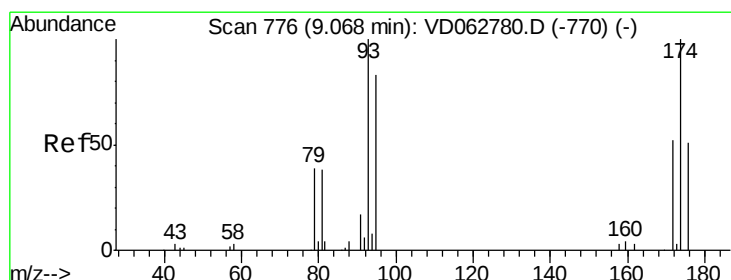
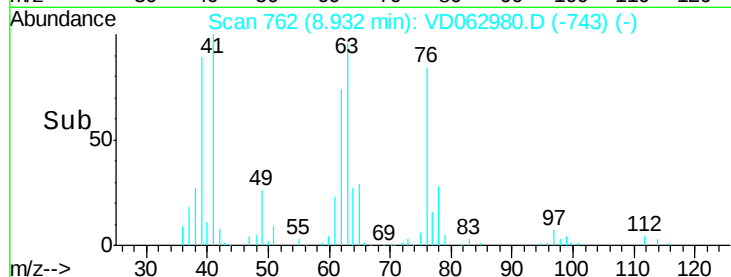
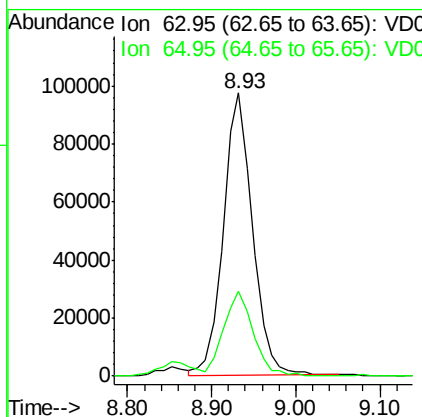
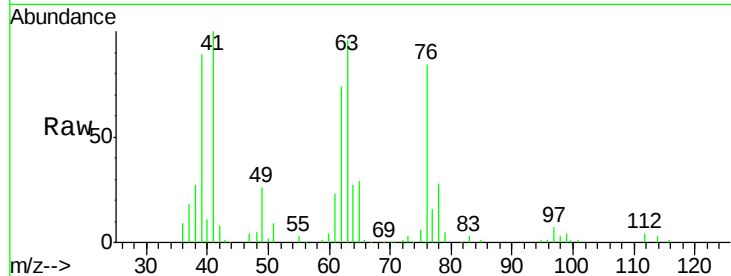
#45
 1,2-Dichloropropane
 Concen: 47.466 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	232701		
65	30.1	24.2	36.2	

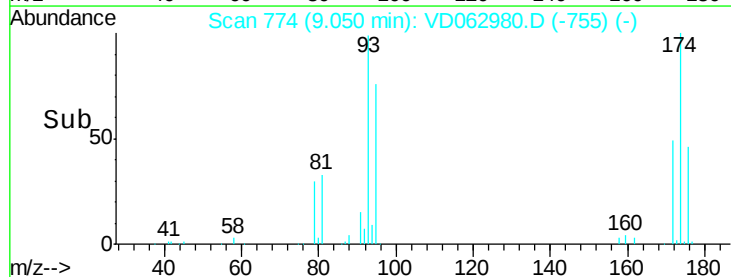
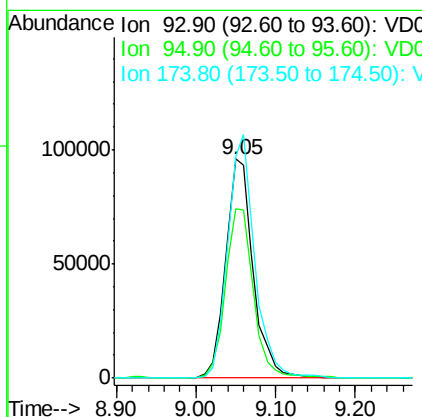
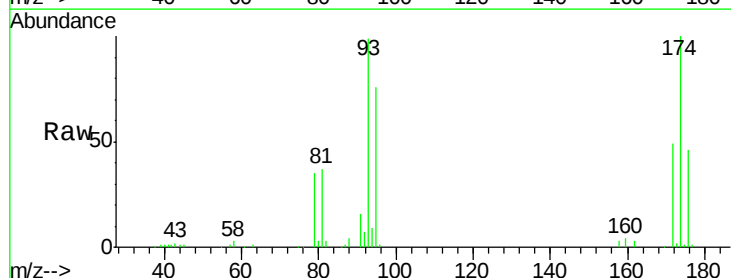
Manual Integrations
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MMDadoda
 7/3/2019 9:15:47 AM



#46
 Dibromomethane
 Concen: 55.341 ug/l
 RT: 9.05 min Scan# 774
 Delta R.T. -0.02 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	233057		
95	77.2	66.6	100.0	
174	101.4	79.7	119.5	





#47

Bromodichloromethane

Concen: 56.747 ug/l

RT: 9.37 min Scan# 806

Delta R.T. -0.02 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

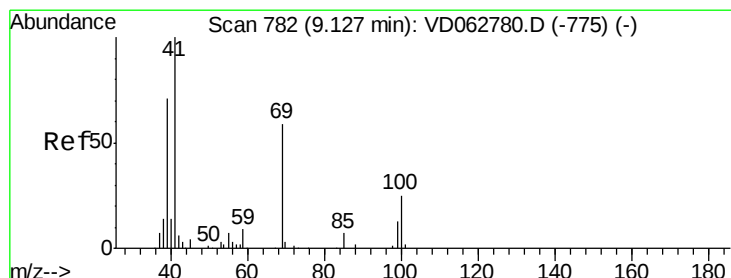
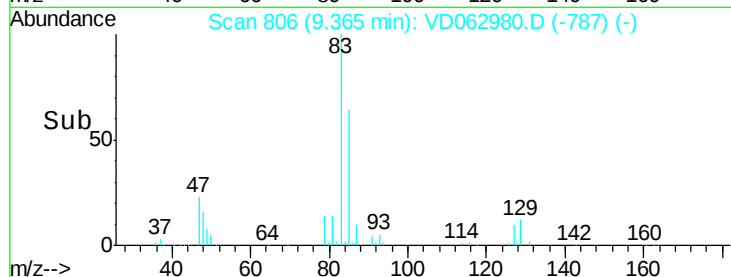
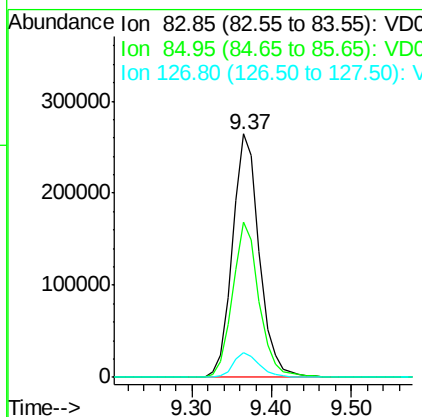
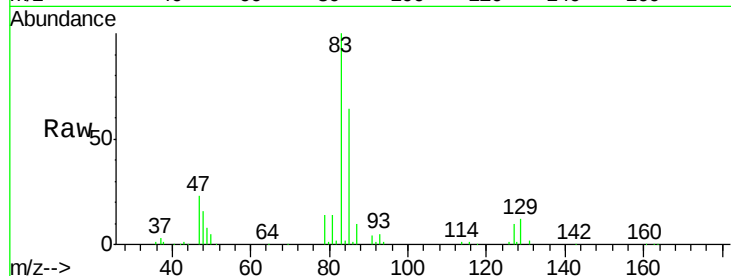
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	620652
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.6	77.4
127	10.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.436 ug/l

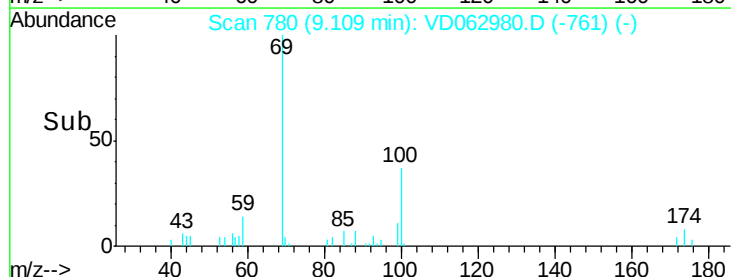
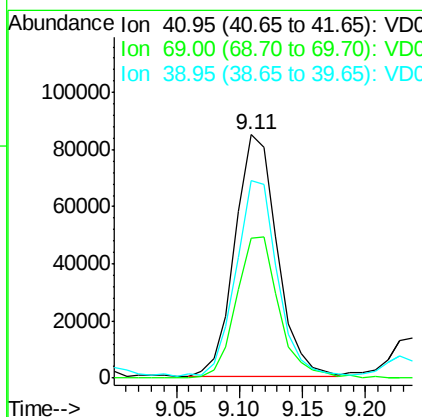
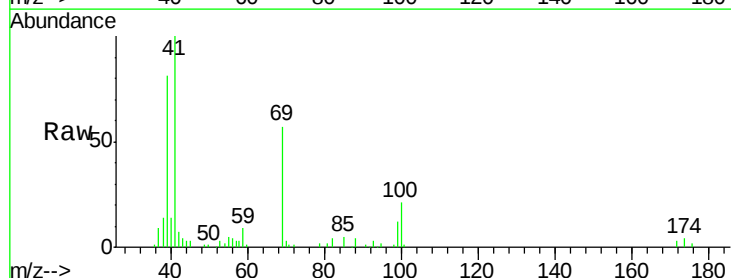
RT: 9.11 min Scan# 780

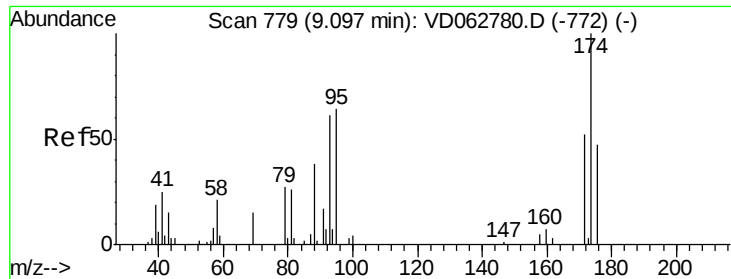
Delta R.T. -0.02 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Tgt Ion:	41	Resp:	195539
Ion	Ratio	Lower	Upper
41	100		
69	57.4	47.2	70.8
39	81.4	57.4	86.2





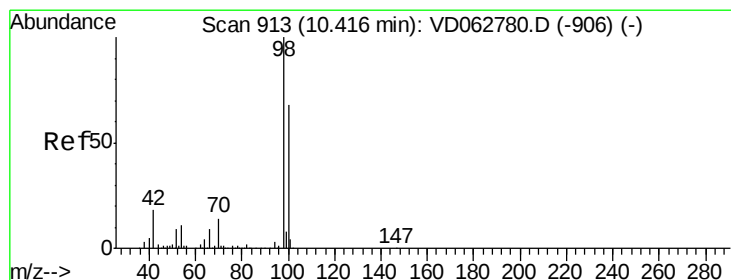
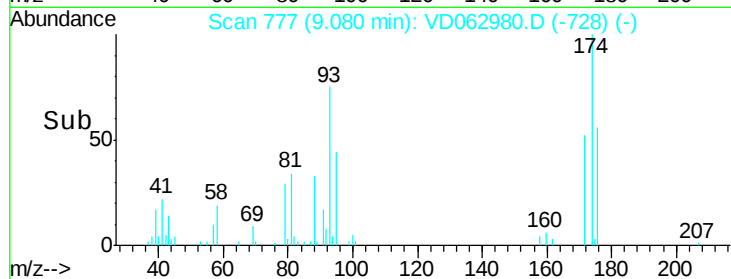
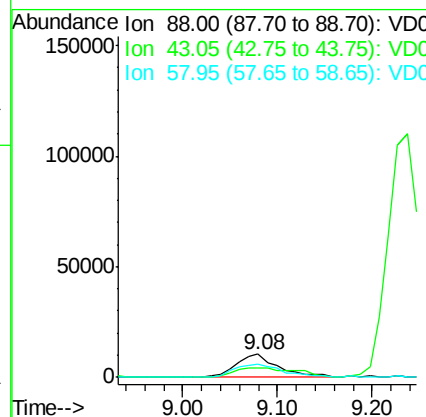
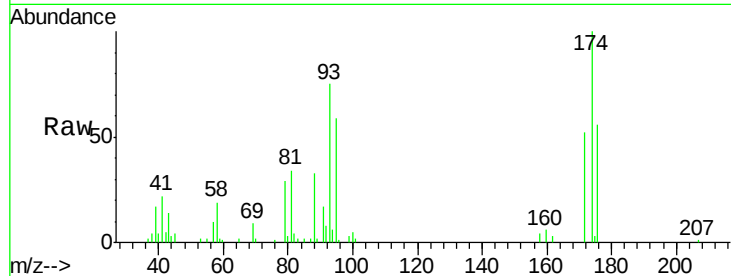
#49
1,4-Dioxane
Concen: 1072.683 ug/l
RT: 9.08 min Scan# 777
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	32657
Ion	Ratio	Lower	Upper
88	100		
43	43.4	32.1	48.1
58	59.2	44.1	66.1

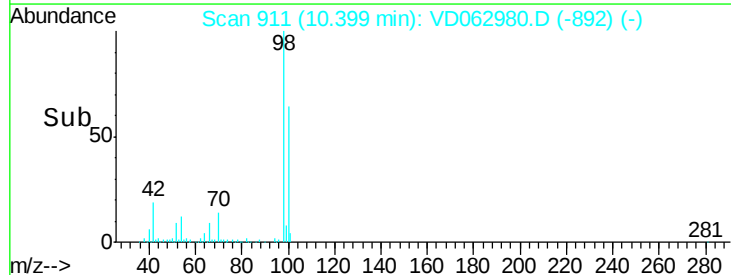
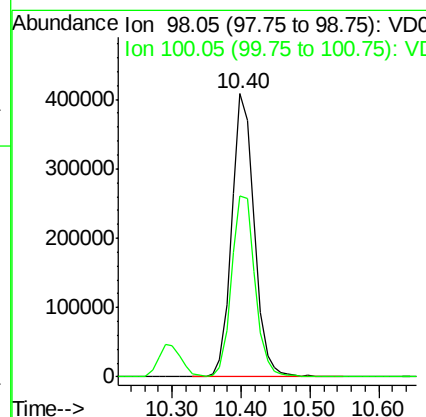
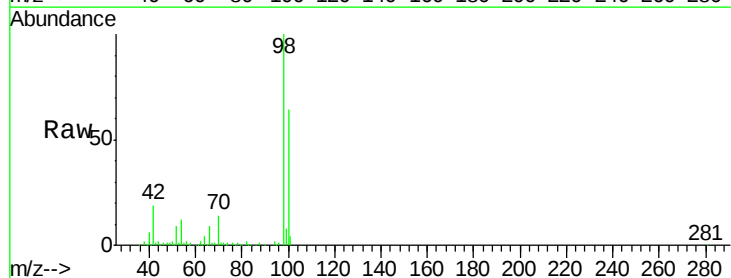
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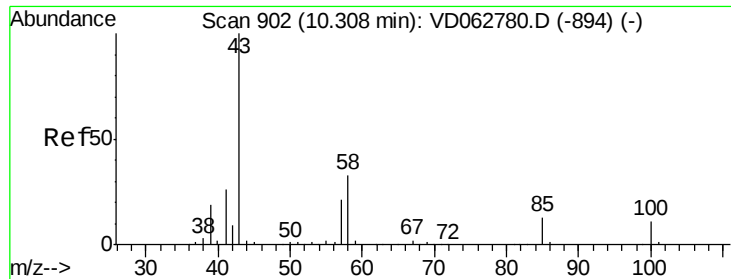
MMDadoda
7/3/2019 9:15:47 AM



#50
Toluene-d8
Concen: 48.430 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion	98	Resp	922177
Ion	Ratio	Lower	Upper
98	100		
100	64.1	54.7	82.1





#51

4-Methyl-2-Pentanone

Concen: 289.806 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1058049

Ion Ratio Lower Upper

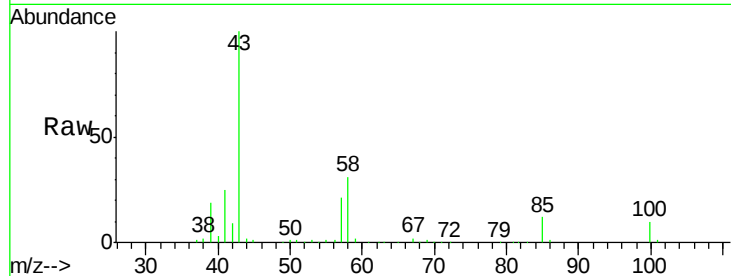
43 100

58 31.5 26.6 40.0

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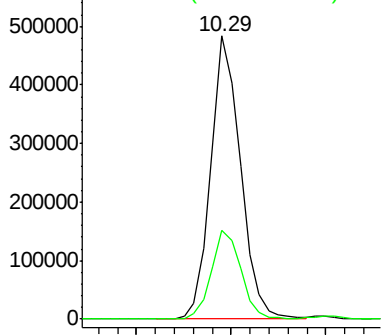
MMDadoda

7/3/2019 9:15:47 AM

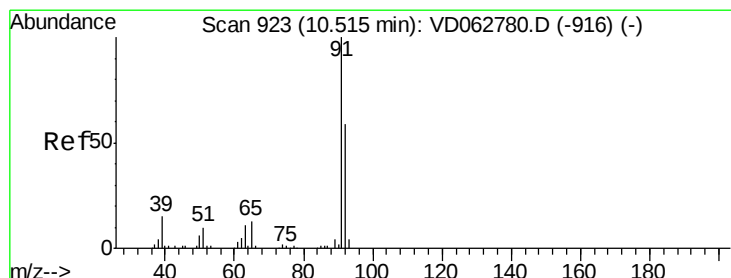
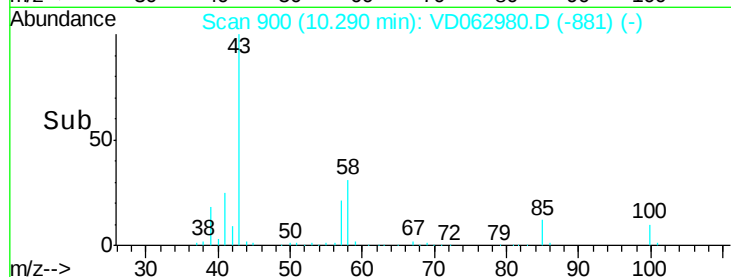


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 53.729 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062980.D

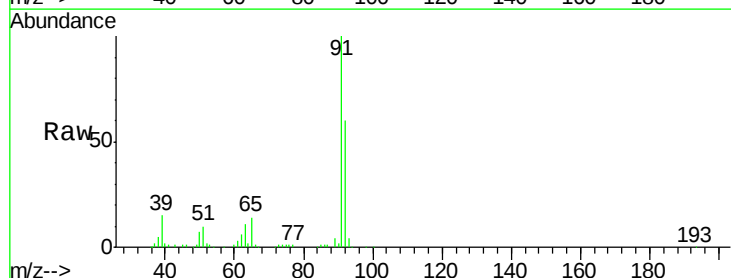
Acq: 1 Jul 2019 10:08

Tgt Ion: 92 Resp: 712081

Ion Ratio Lower Upper

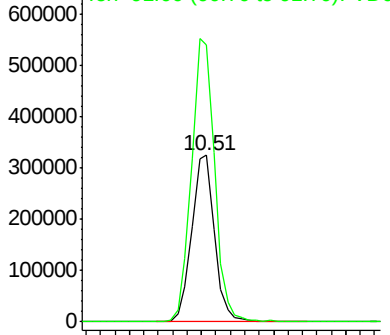
92 100

91 165.8 136.3 204.5

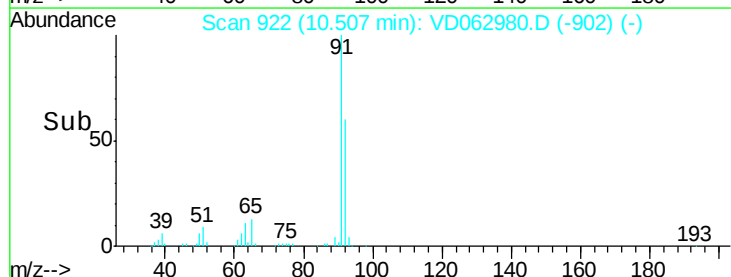


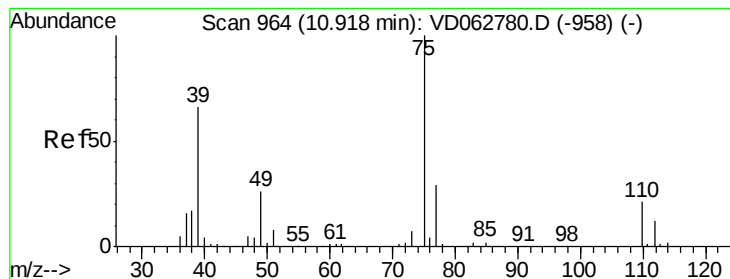
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





#53

t-1,3-Dichloropropene

Concen: 58.383 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Tot Ion: 75 Resp: 522644

Ion Ratio Lower Upper

75 100

77 31.4 23.2 34.8

Instrument :

MSVOA_D

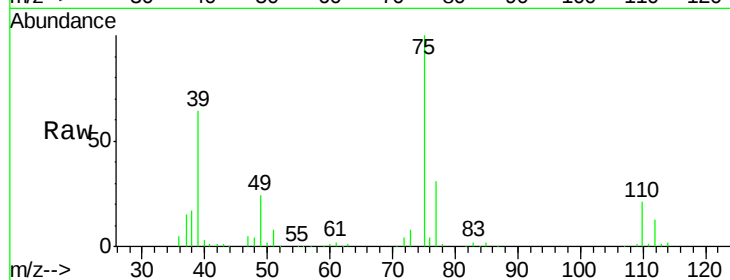
ClientSampleId :

VSTDCCC050

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

250000

200000

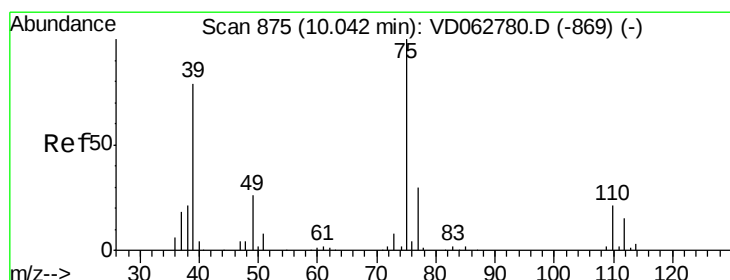
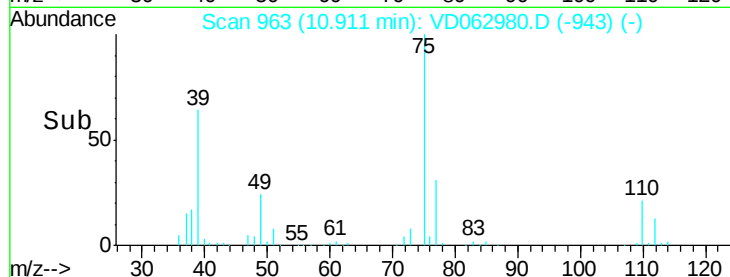
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.684 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

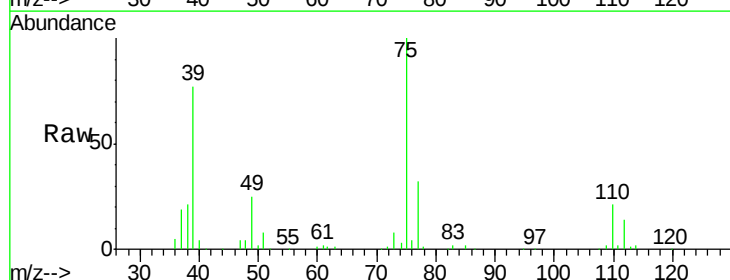
Tgt Ion: 75 Resp: 541812

Ion Ratio Lower Upper

75 100

77 31.8 24.2 36.2

39 77.5 63.5 95.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.03

300000

250000

200000

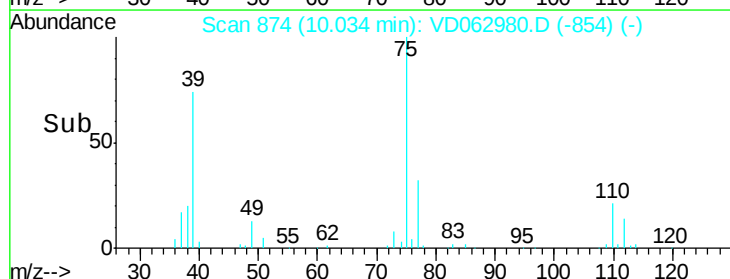
150000

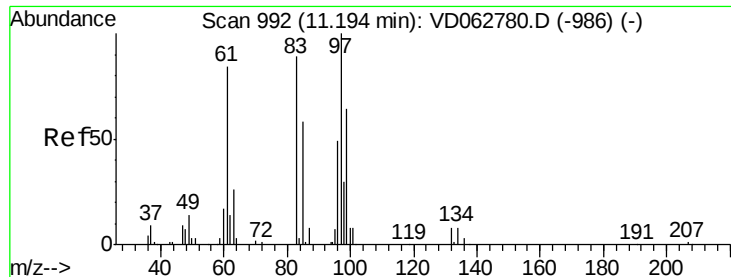
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.618 ug/l

RT: 11.19 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

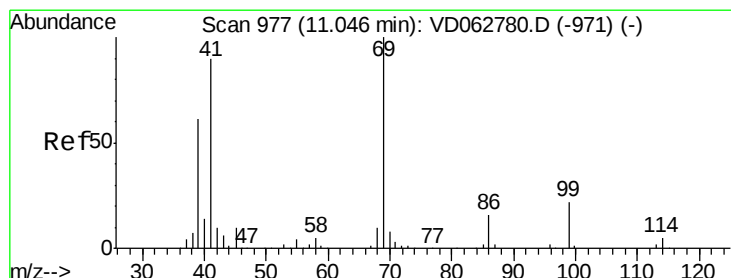
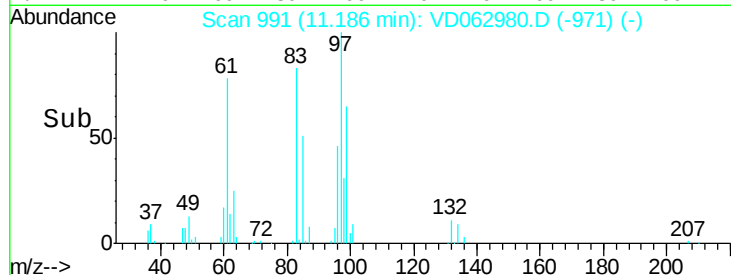
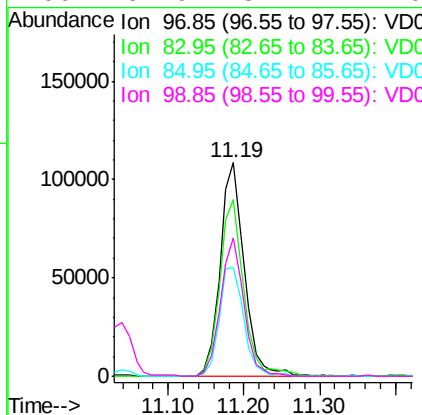
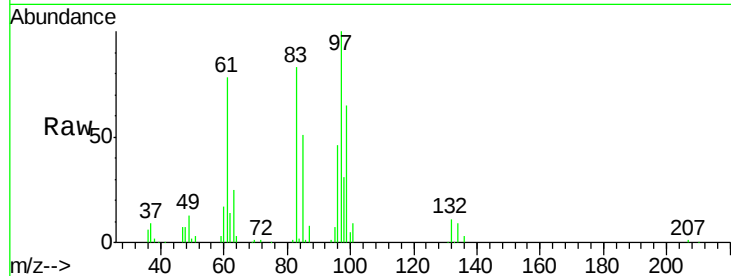
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	239585
Ion	Ratio	Lower	Upper
97	100		
83	82.8	71.0	106.4
85	51.0	46.6	69.8
99	64.9	51.4	77.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.528 ug/l

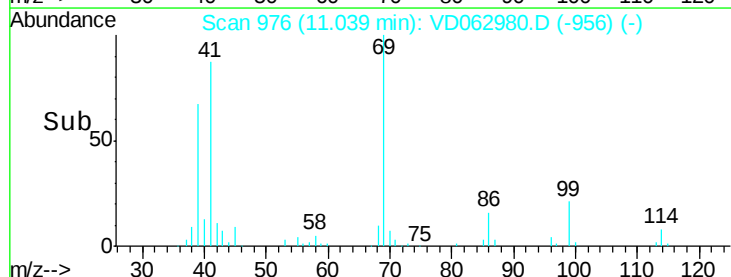
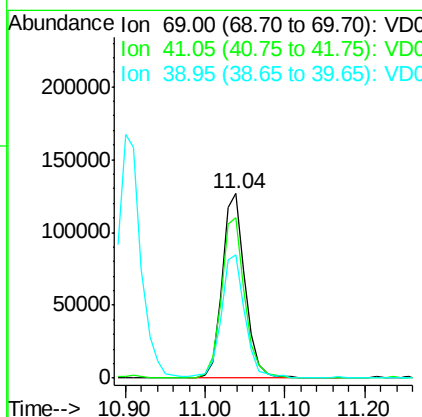
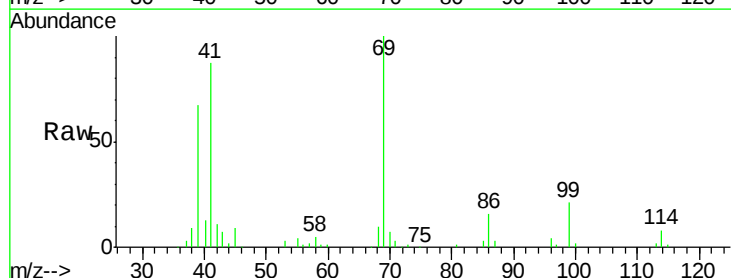
RT: 11.04 min Scan# 976

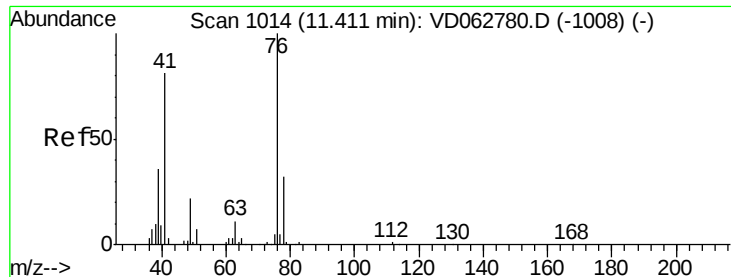
Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Tgt Ion:	69	Resp:	255604
Ion	Ratio	Lower	Upper
69	100		
41	87.2	72.0	108.0
39	66.9	49.5	74.3





#57

1,3-Dichloropropane

Concen: 56.155 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 391499

Ion Ratio Lower Upper

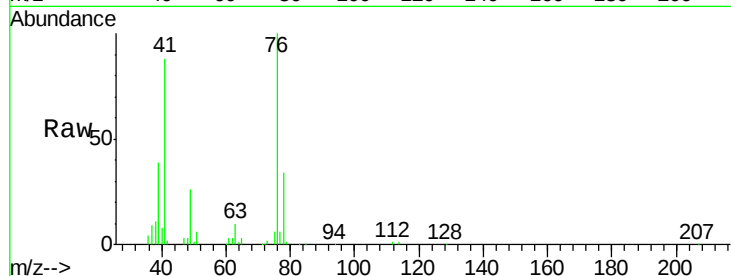
76 100

78 34.2 25.4 38.0

Manual Integrations
APPROVED

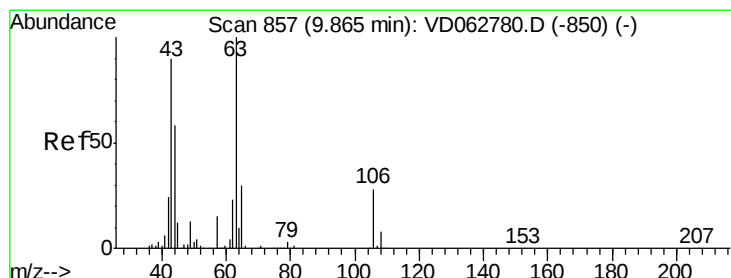
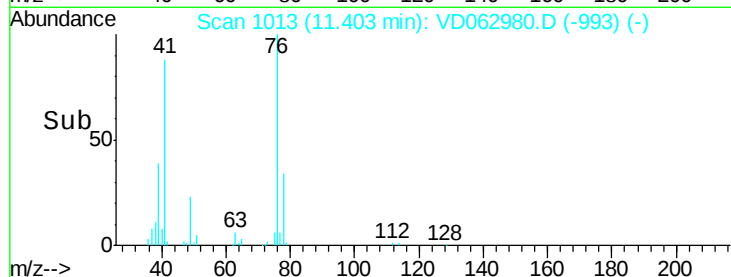
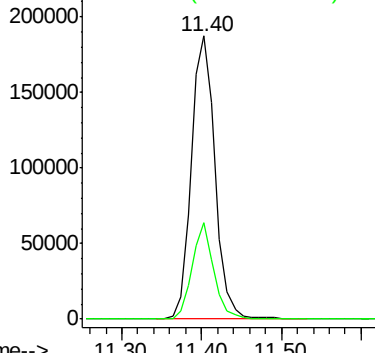
MMDadoda

7/3/2019 9:15:47 AM



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: 254.053 ug/l

RT: 9.85 min Scan# 855

Delta R.T. -0.02 min

Lab File: VD062980.D

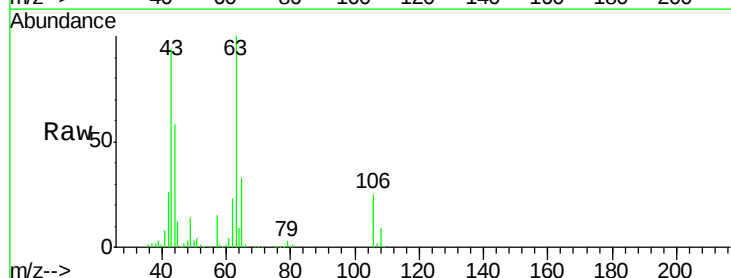
Acq: 1 Jul 2019 10:08

Tgt Ion: 63 Resp: 634659

Ion Ratio Lower Upper

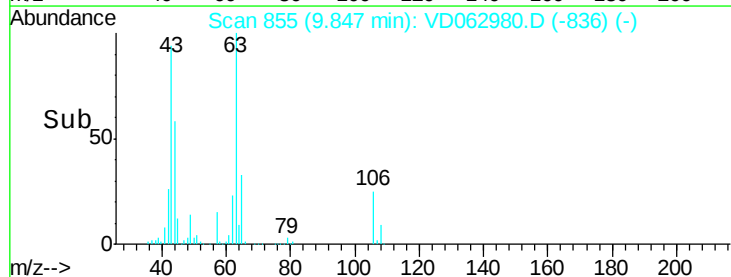
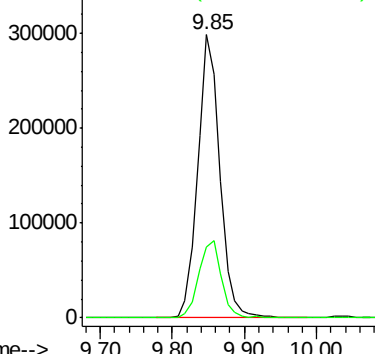
63 100

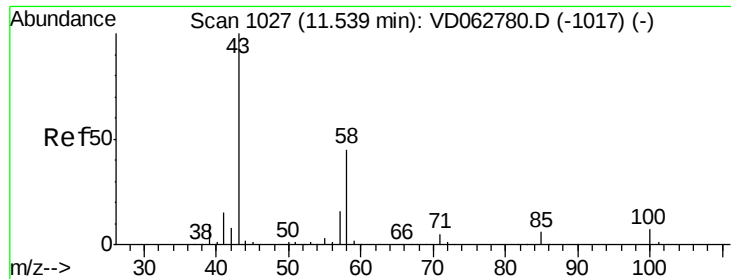
106 25.0 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





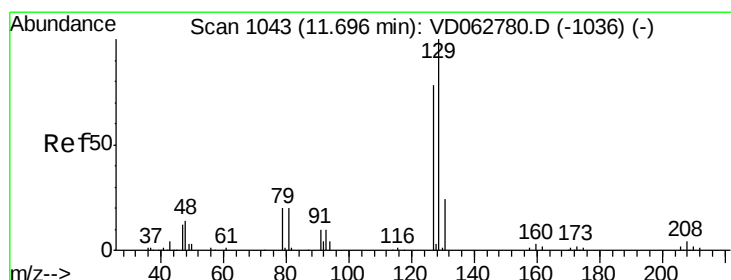
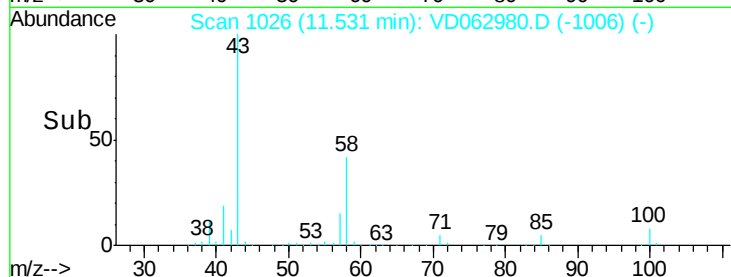
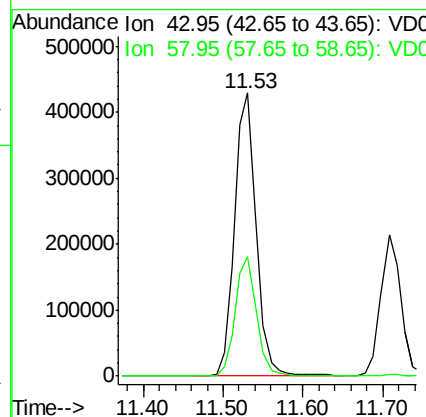
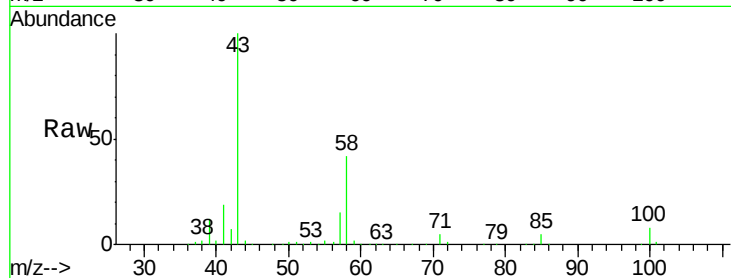
#59
2-Hexanone
Concen: 315.839 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.1	22.4	67.2

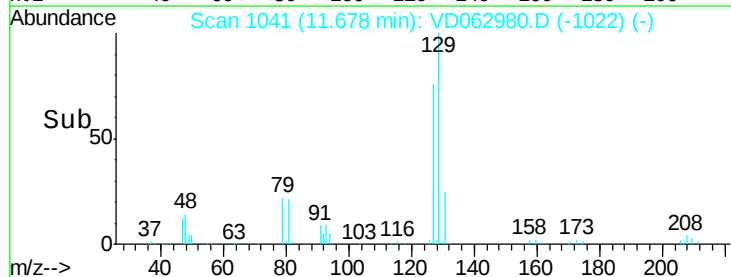
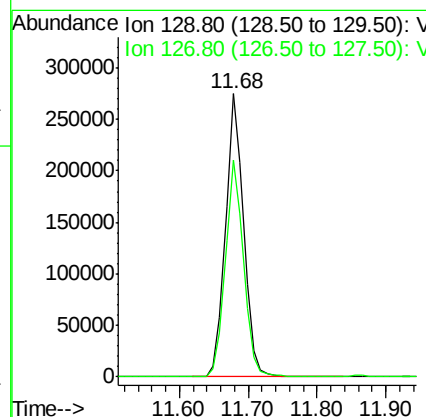
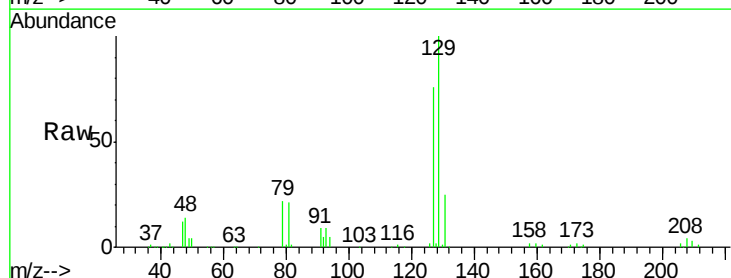
Manual Integrations
APPROVED

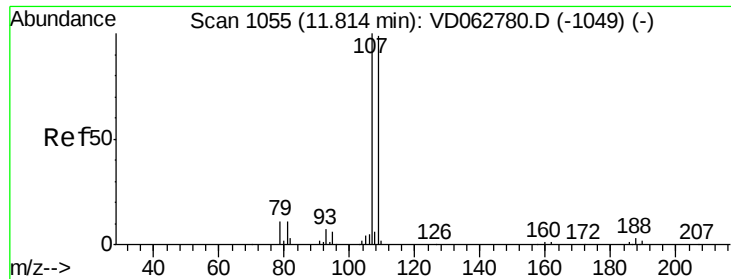
MMDadoda
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#60
Dibromochloromethane
Concen: 58.987 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.9	116.6





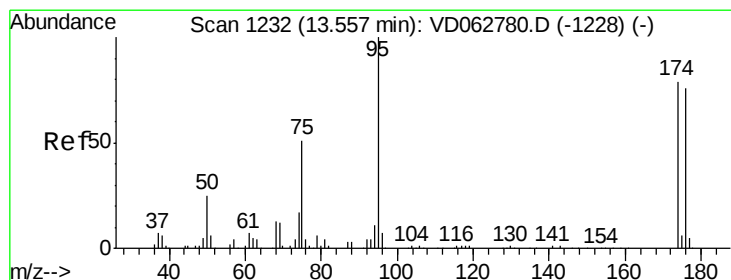
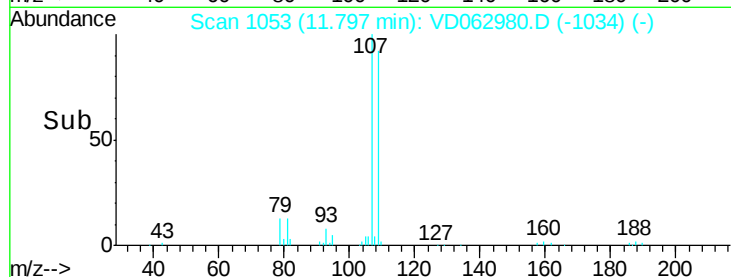
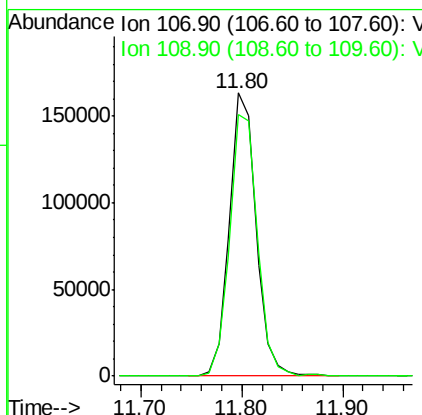
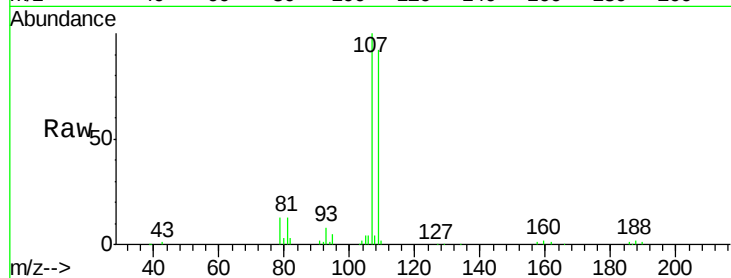
#61
 1,2-Dibromoethane
 Concen: 55.567 ug/l
 RT: 11.80 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 298820
 Ion Ratio Lower Upper
 107 100
 109 92.4 79.3 118.9

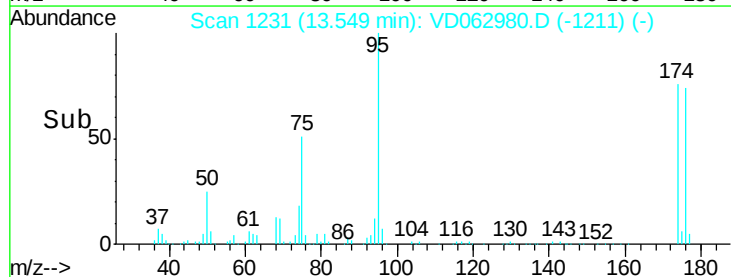
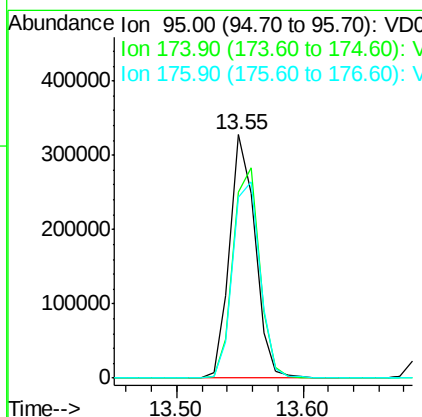
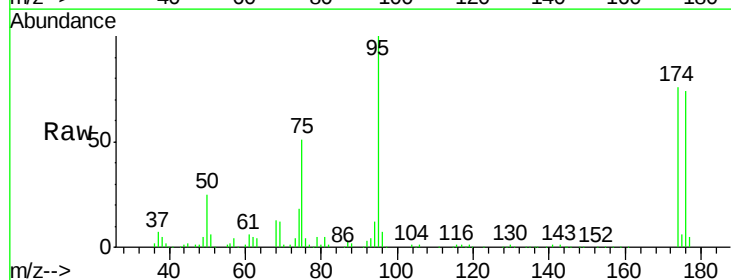
Manual Integrations
 APPROVED

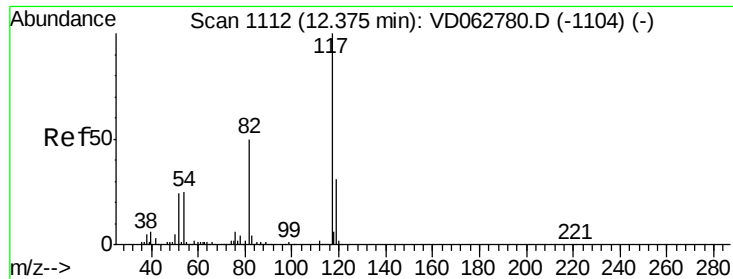
MMDadoda
 7/3/2019 9:15:47 AM



#62
 4-Bromofluorobenzene
 Concen: 52.660 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Tgt Ion: 95 Resp: 455939
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 158.0
 176 74.2 0.0 151.6





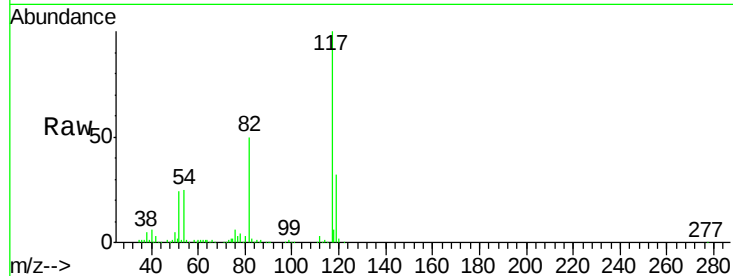
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.6	40.4	60.6
119	32.1	25.2	37.8

Manual Integrations
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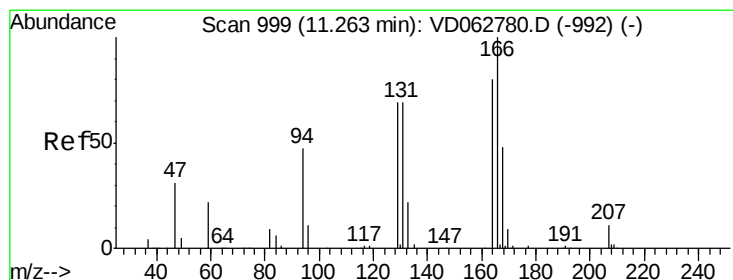
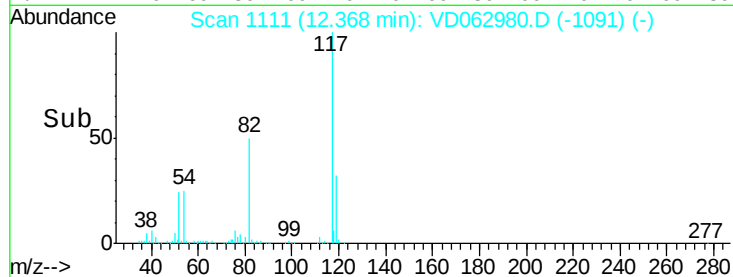
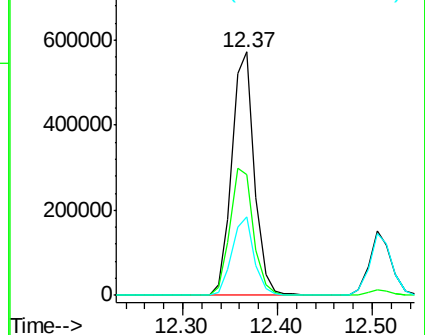


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 48.353 ug/l
RT: 11.26 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	100.6	150.8
129	83.4	69.4	104.0
131	81.3	69.3	103.9

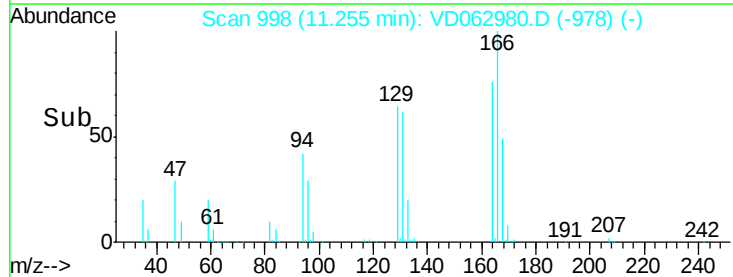
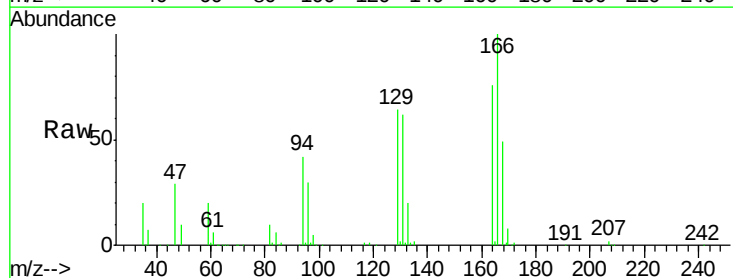
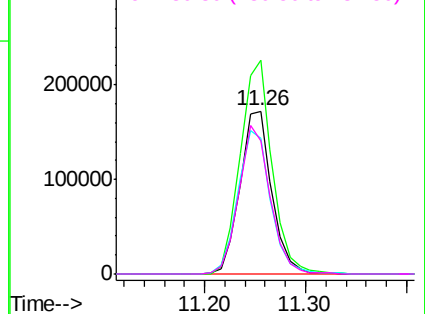
Abundance

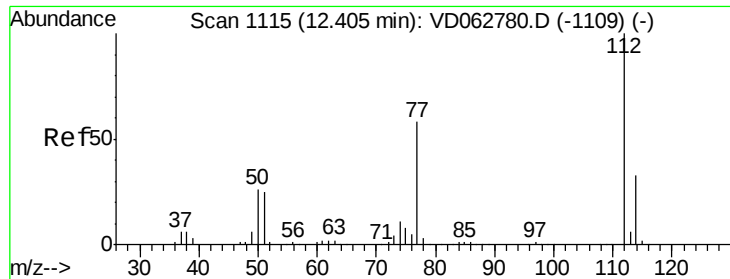
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.885 ug/l

RT: 12.40 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 859875

Ion Ratio Lower Upper

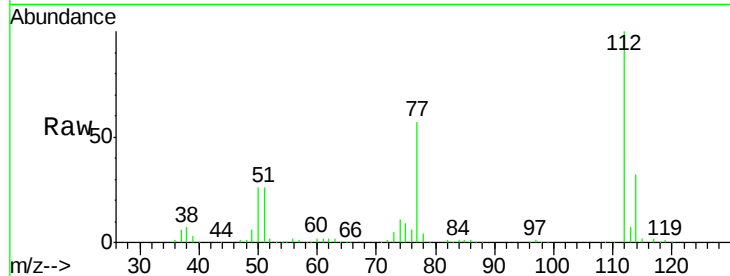
112 100

114 31.7 26.3 39.5

Manual Integrations
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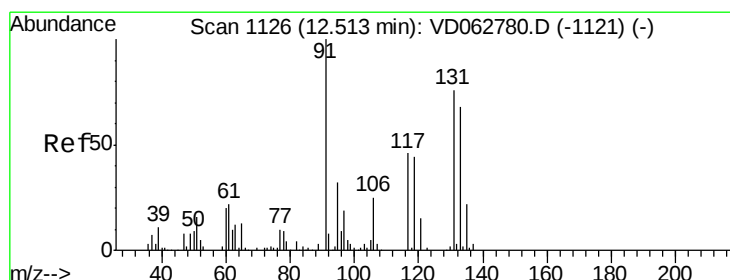
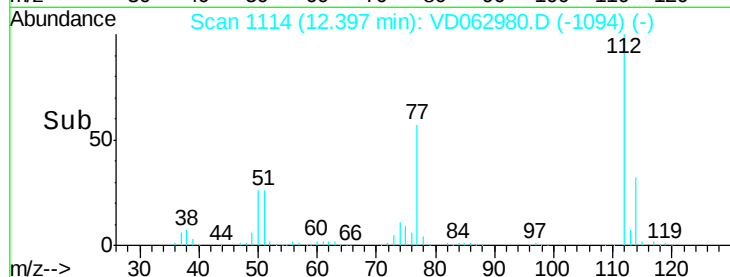
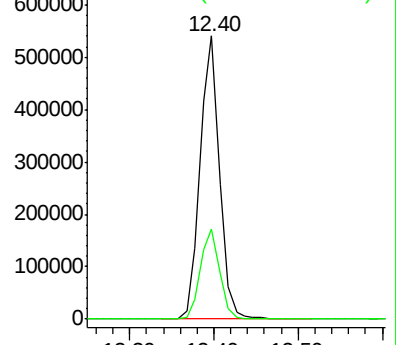
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.226 ug/l

RT: 12.51 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

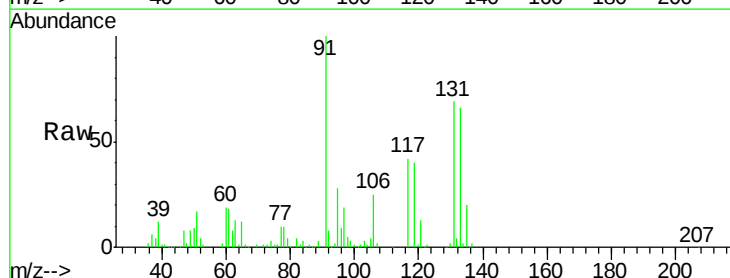
Tgt Ion:131 Resp: 404925

Ion Ratio Lower Upper

131 100

133 94.7 44.5 133.3

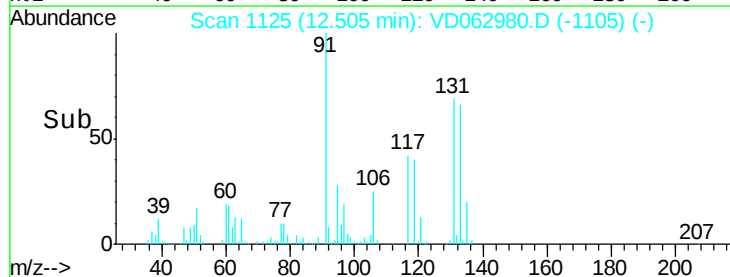
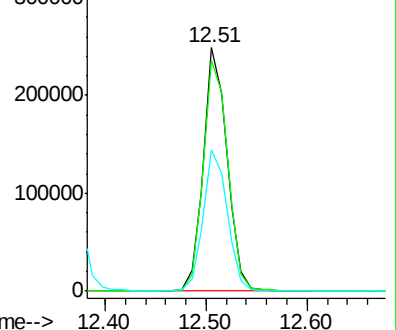
119 58.0 28.6 85.9



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





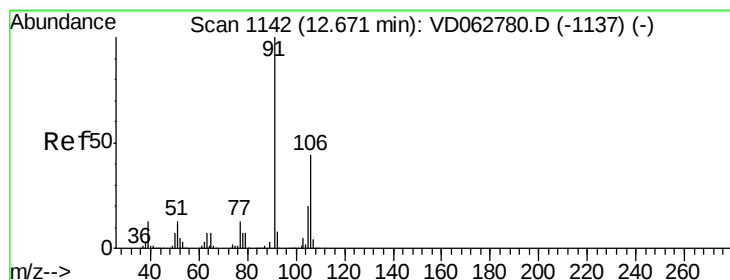
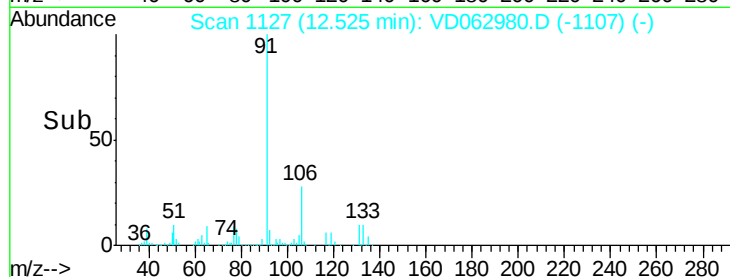
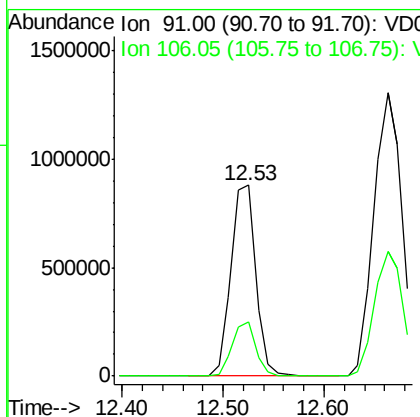
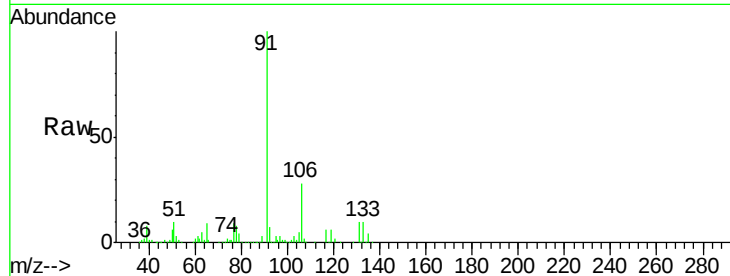
#67
Ethyl Benzene
Concen: 47.368 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1495890
Ion Ratio Lower Upper
91 100
106 28.4 23.1 34.7

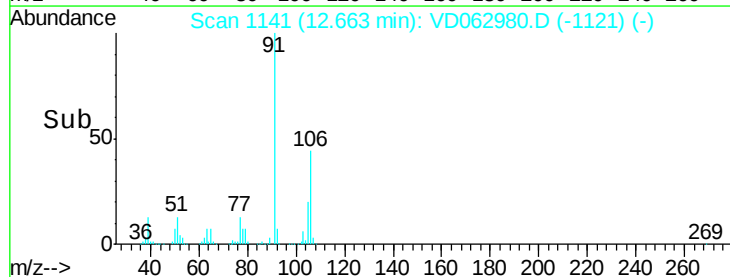
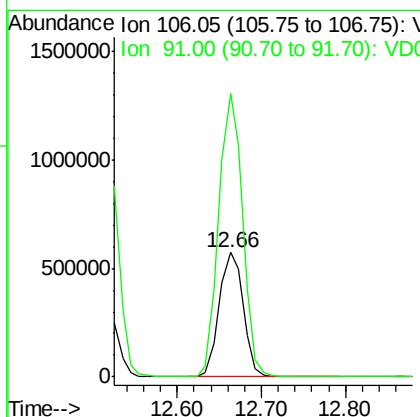
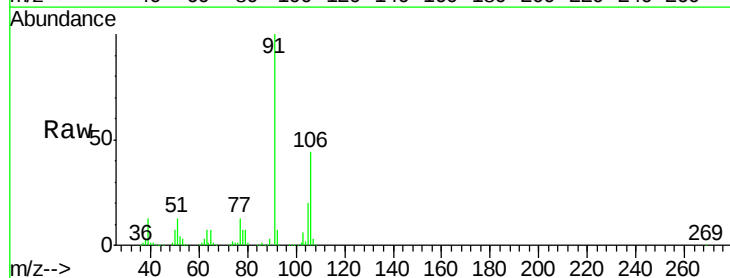
Manual Integrations
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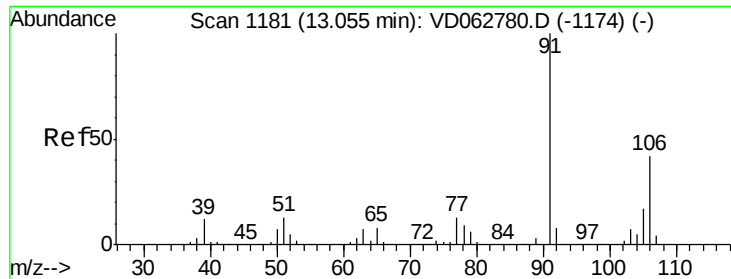
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#68
m/p-Xylenes
Concen: 103.455 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion: 106 Resp: 1137904
Ion Ratio Lower Upper
106 100
91 227.2 183.0 274.6





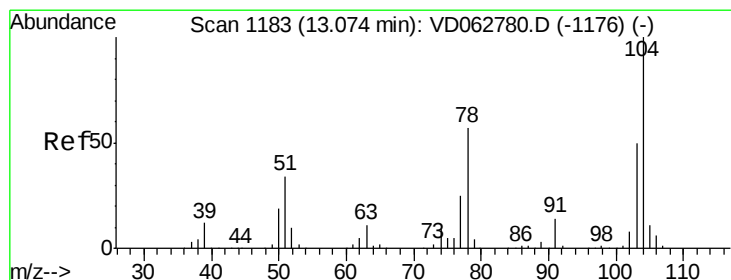
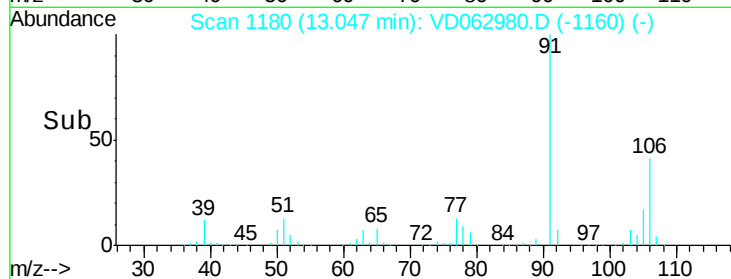
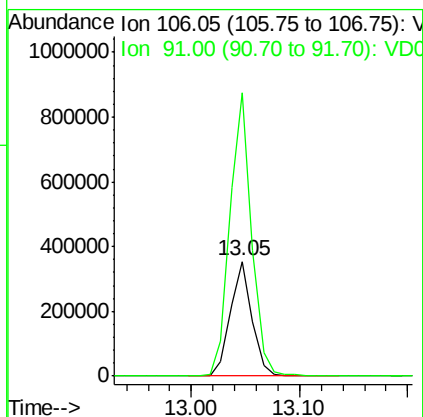
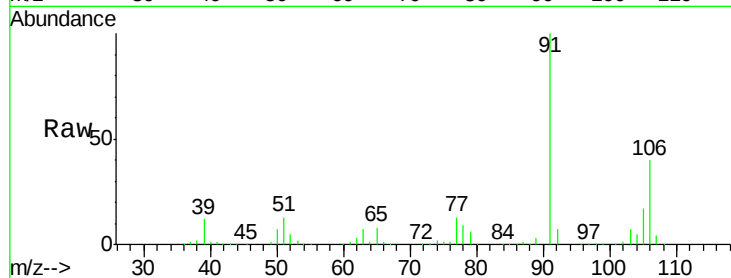
#69
o-Xylene
Concen: 49.184 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion:106 Resp: 494538
Ion Ratio Lower Upper
106 100
91 247.0 117.9 353.6

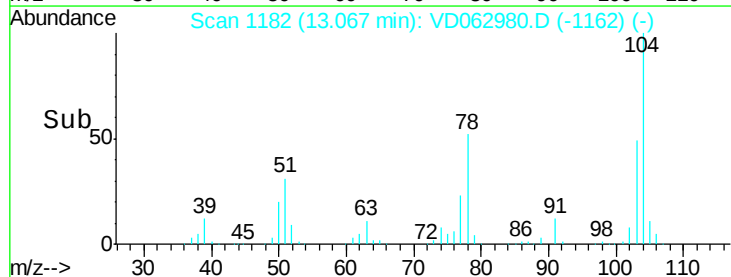
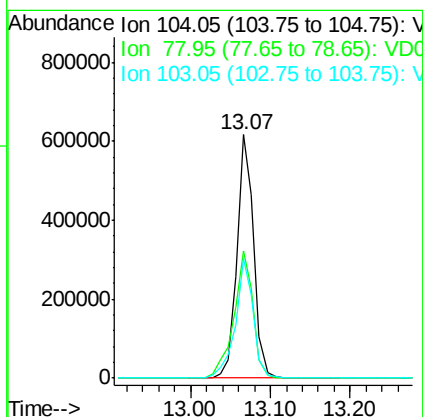
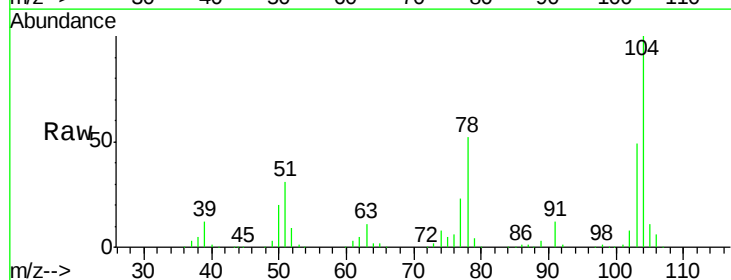
Manual Integrations
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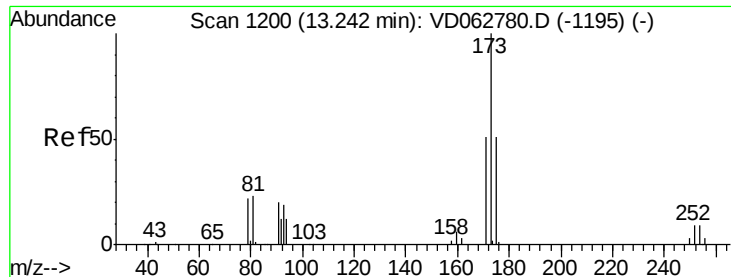
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#70
Styrene
Concen: 51.182 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion:104 Resp: 903922
Ion Ratio Lower Upper
104 100
78 52.3 45.4 68.2
103 49.1 39.7 59.5





#71

Bromoform

Concen: 52.908 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

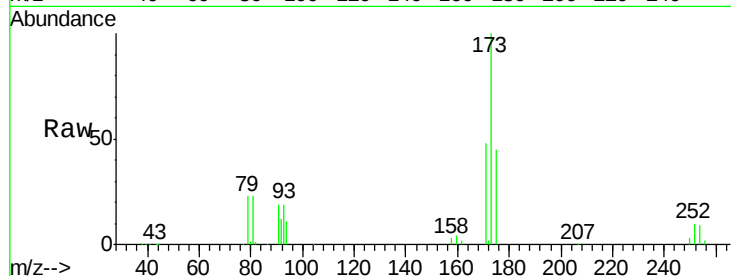
ClientSampleId :

VSTDCCC050

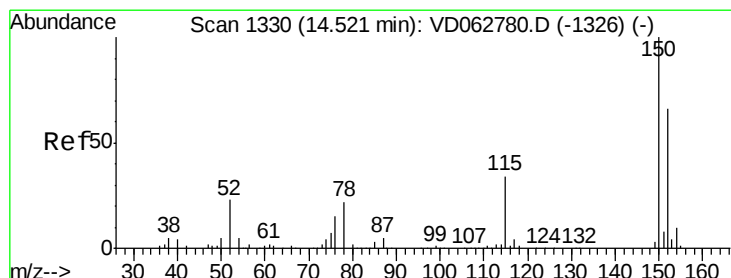
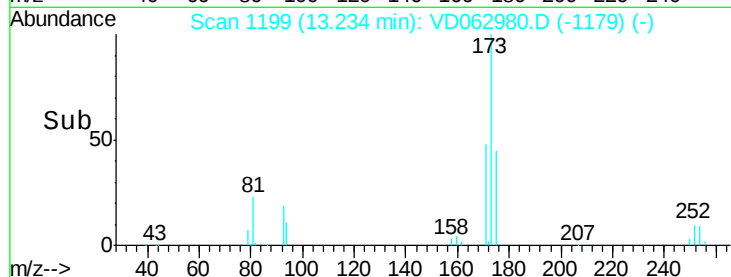
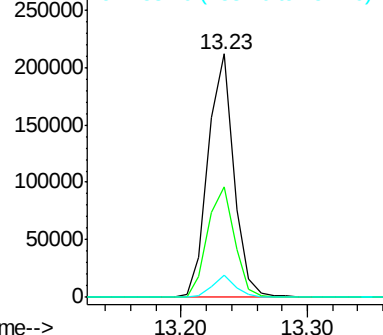
Tot Ion	Ratio	Lower	Upper
173	100		
175	45.4	25.3	75.9
254	9.1	7.1	10.7

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

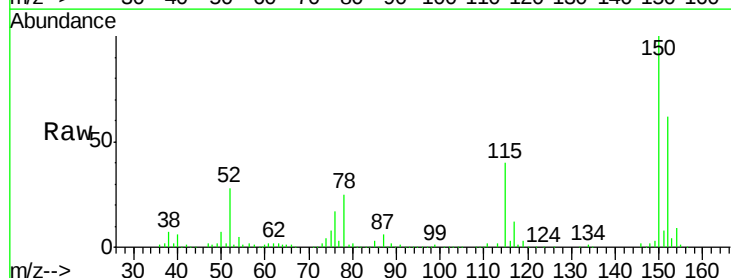
RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

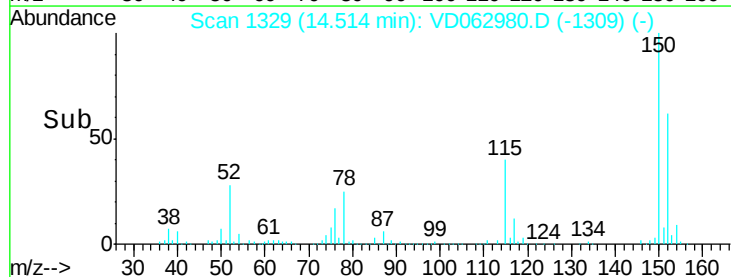
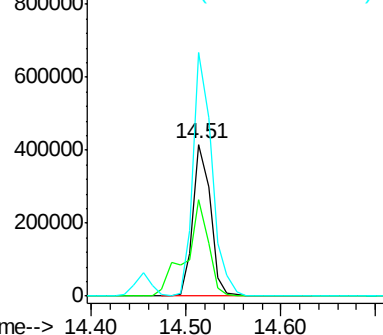
Lab File: VD062980.D

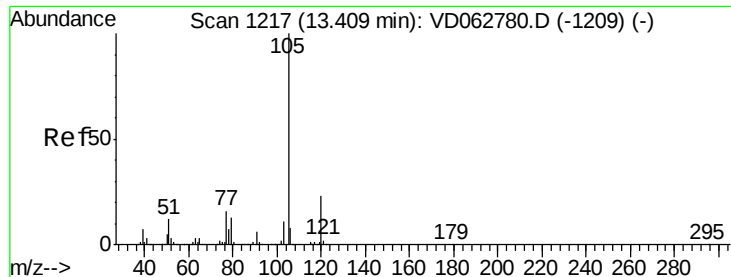
Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	29.2	87.6
150	160.5	0.0	305.8



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





#73

Isopropylbenzene

Concen: 46.908 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1605586

Ion Ratio Lower Upper

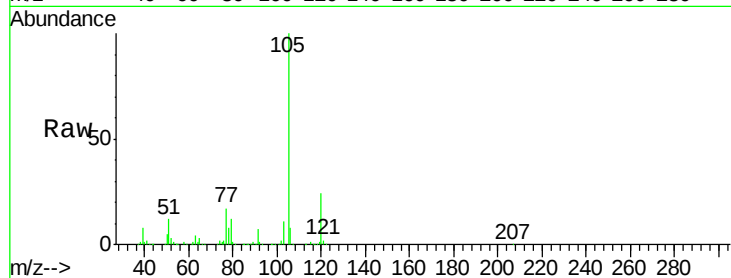
105 100

120 23.8 11.6 34.7

Manual Integrations
APPROVED

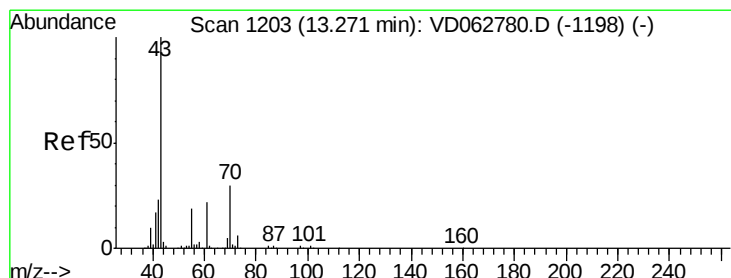
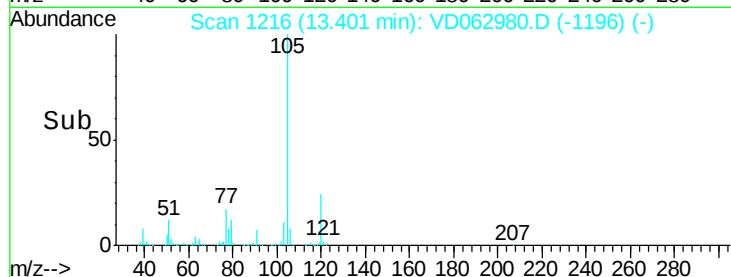
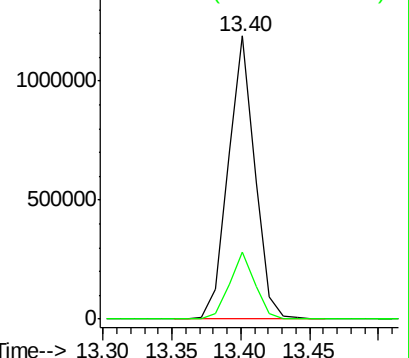
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.789 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Tgt Ion: 43 Resp: 422173

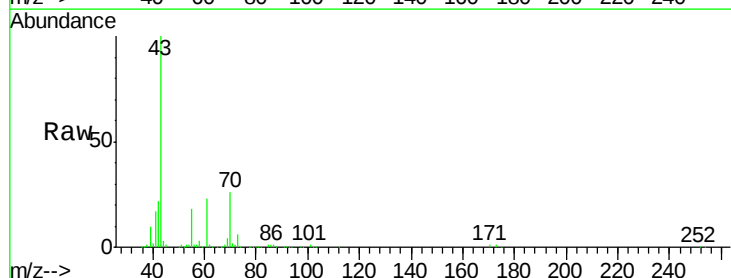
Ion Ratio Lower Upper

43 100

70 25.7 24.4 36.6

55 18.1 15.2 22.8

61 23.1 17.4 26.2

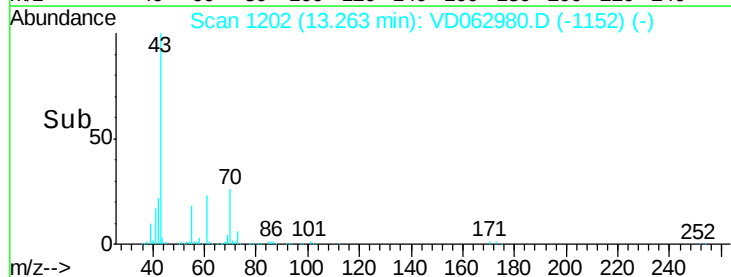
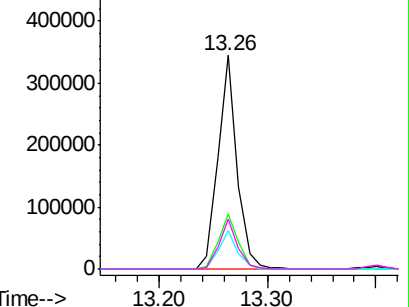


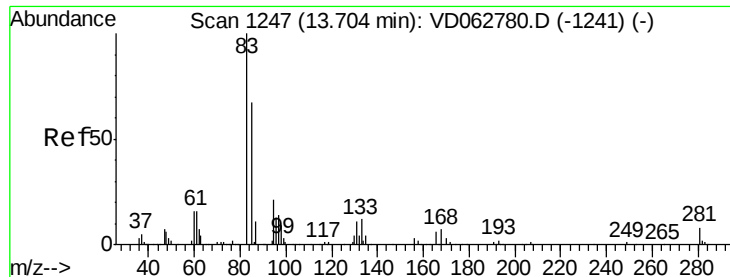
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.511 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 281699

Ion Ratio Lower Upper

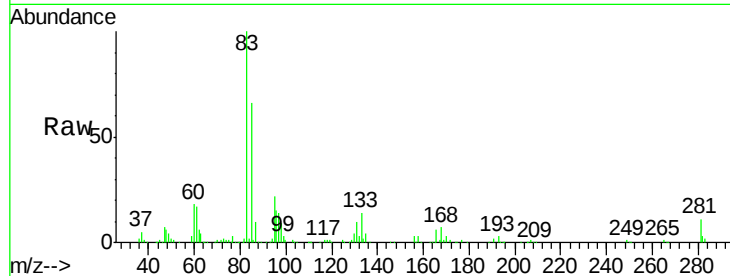
83 100

131 10.5 5.3 16.1

85 66.4 33.7 101.1

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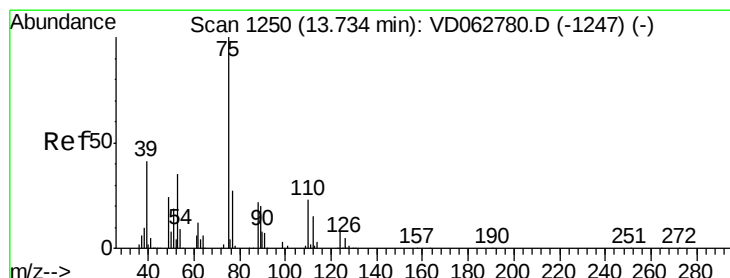
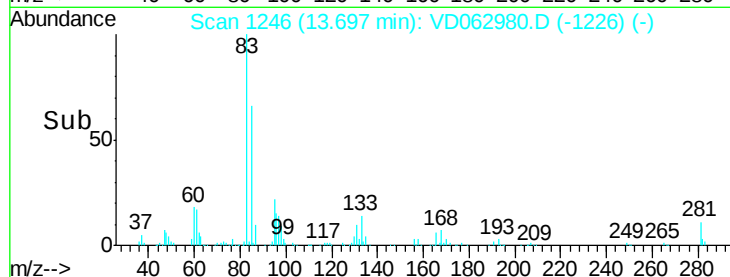
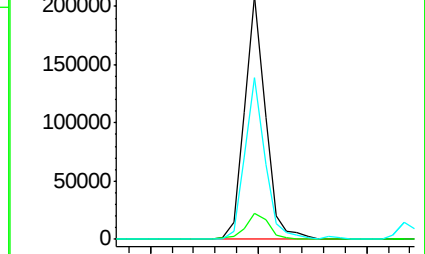
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 50.044 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062980.D

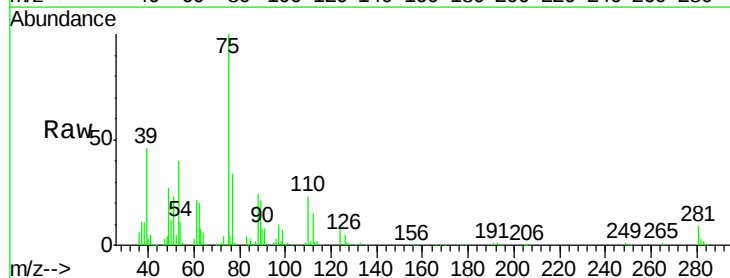
Acq: 1 Jul 2019 10:08

Tgt Ion: 75 Resp: 308407

Ion Ratio Lower Upper

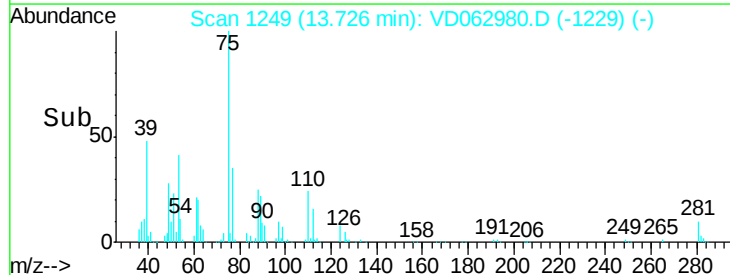
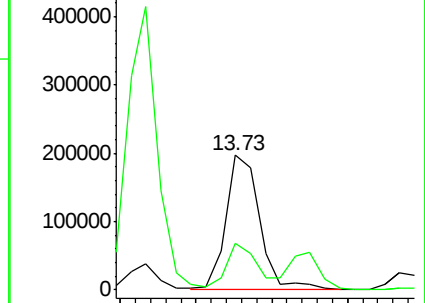
75 100

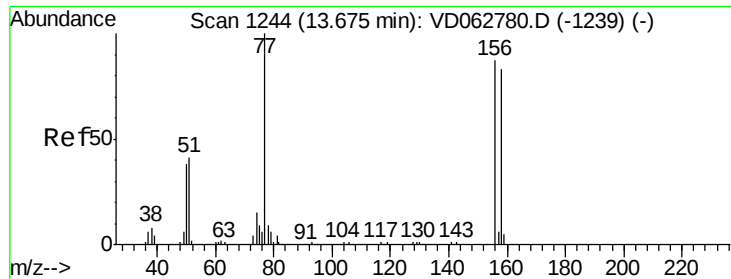
77 34.1 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





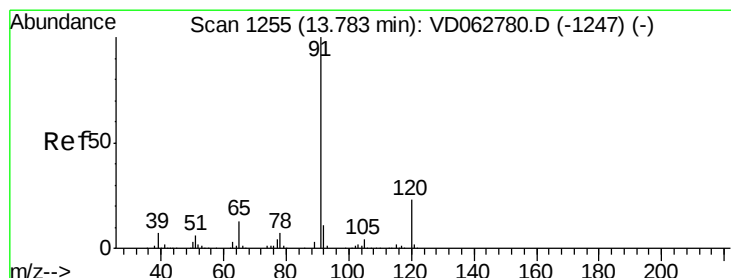
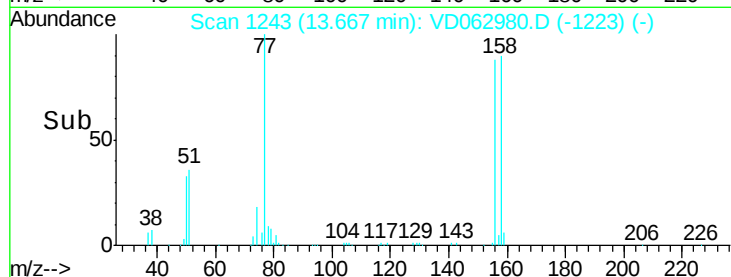
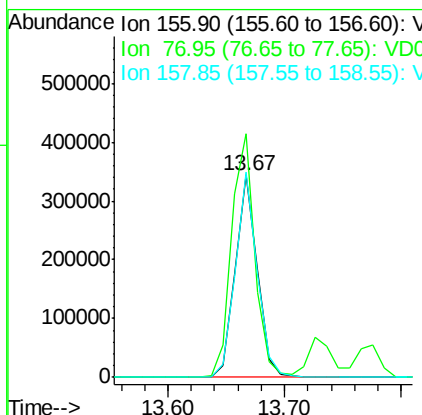
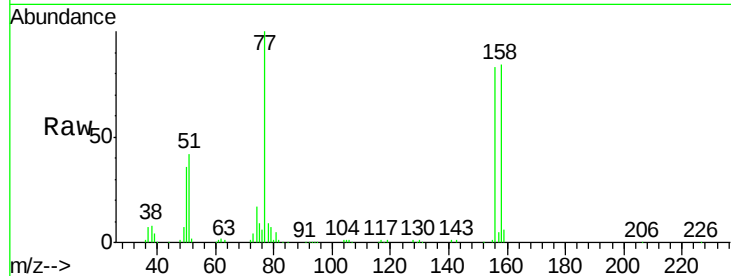
#77
Bromobenzene
Concen: 49.007 ug/l
RT: 13.67 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 451182
Ion Ratio Lower Upper
156 100
77 120.3 57.7 173.1
158 101.4 47.7 143.1

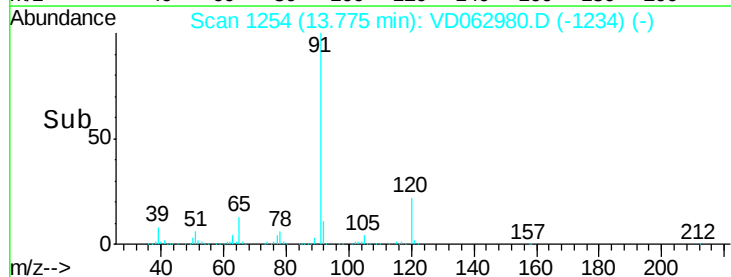
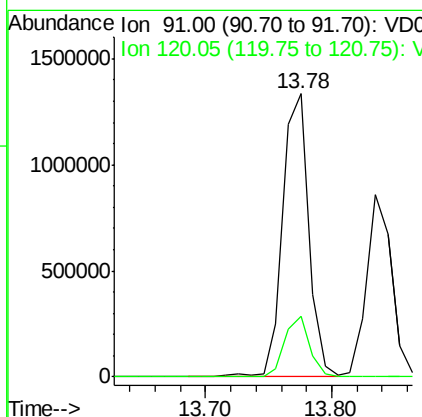
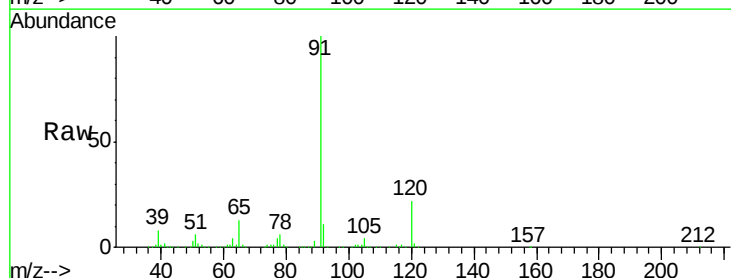
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#78
n-propylbenzene
Concen: 48.285 ug/l
RT: 13.78 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion: 91 Resp: 1923619
Ion Ratio Lower Upper
91 100
120 21.6 11.3 33.8





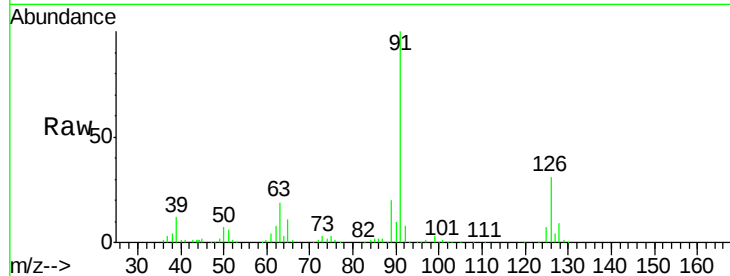
#79
2-Chlorotoluene
Concen: 51.687 ug/l
RT: 13.83 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

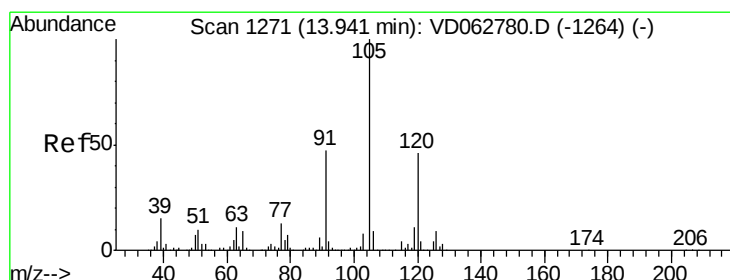
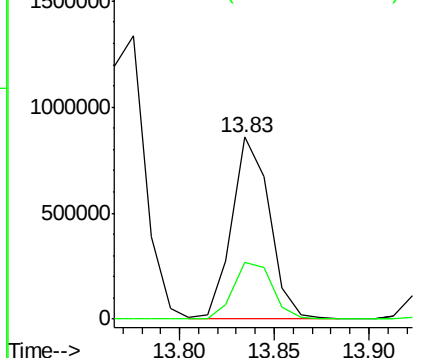
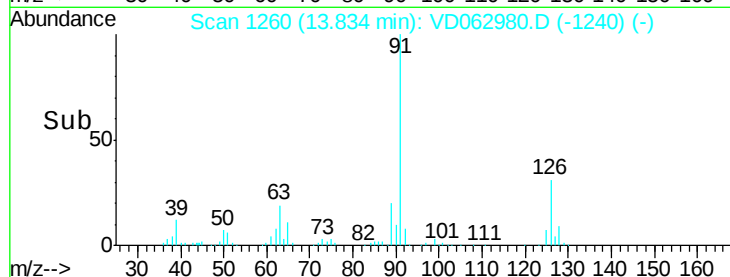
Tot Ion: 91 Resp: 1176757
Ion Ratio Lower Upper
91 100
126 31.0 15.7 47.1

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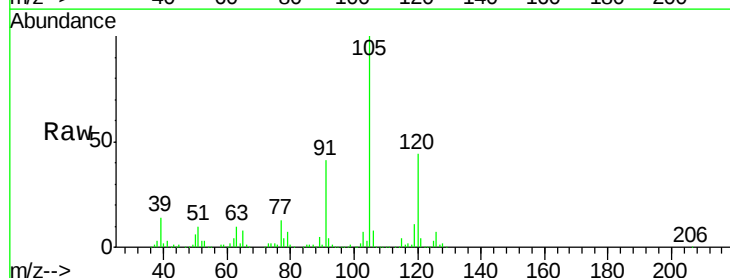


Abundance Ion 91.00 (90.70 to 91.70): VD062980.D (-1240) (-)
Ion 125.95 (125.65 to 126.65): VD062980.D (-1240) (-)

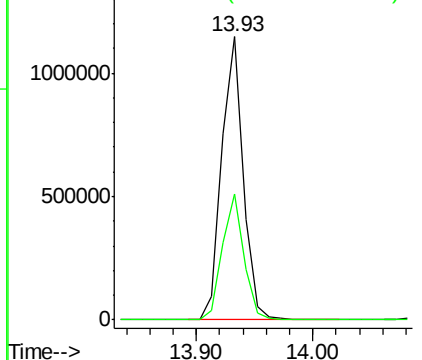
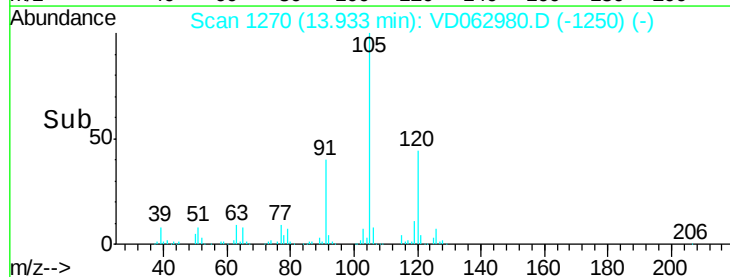


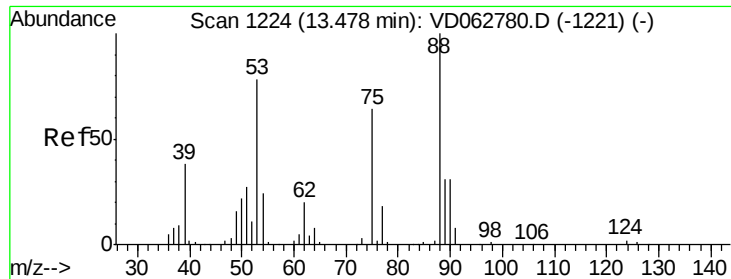
#80
1,3,5-Trimethylbenzene
Concen: 51.040 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion: 105 Resp: 1467445
Ion Ratio Lower Upper
105 100
120 44.3 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): VD062980.D (-1250) (-)
Ion 120.05 (119.75 to 120.75): VD062980.D (-1250) (-)





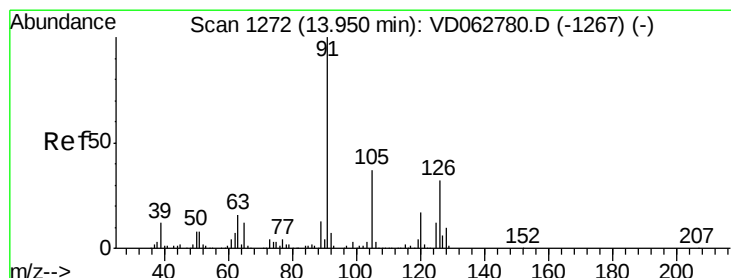
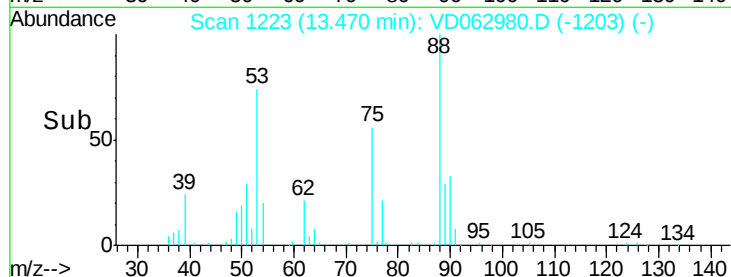
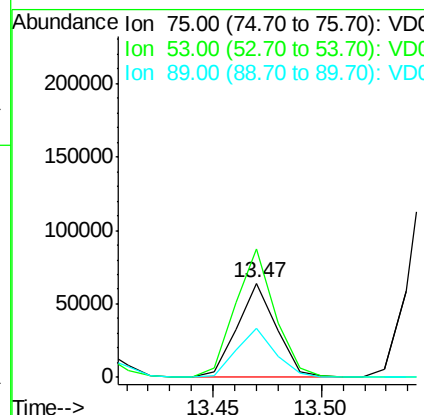
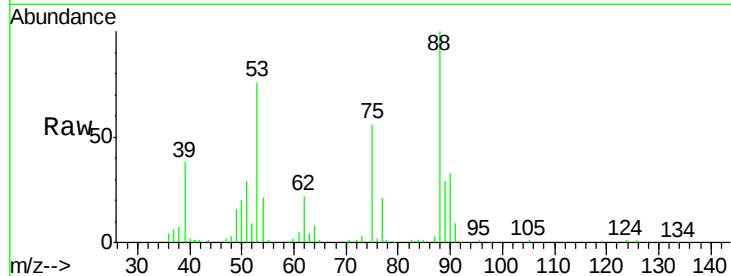
#81
trans-1,4-Dichloro-2-butene
Concen: 49.967 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	135.6	97.8	146.8
89	51.8	39.4	59.2

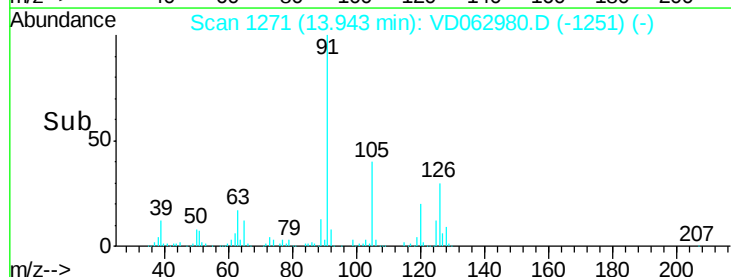
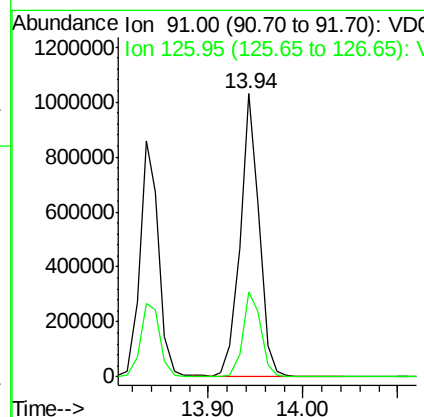
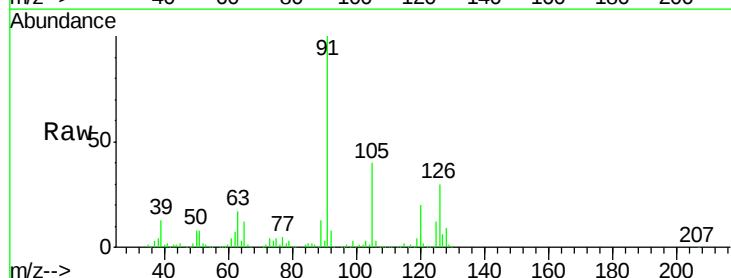
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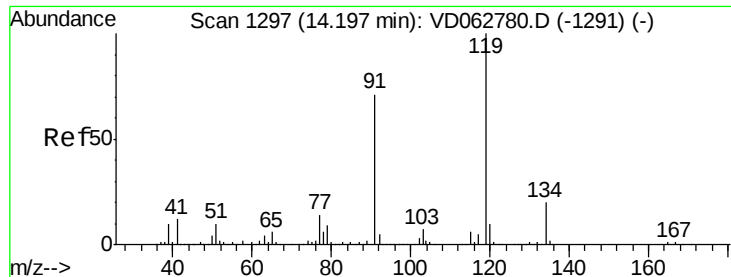
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#82
4-Chlorotoluene
Concen: 51.900 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	16.0	47.9





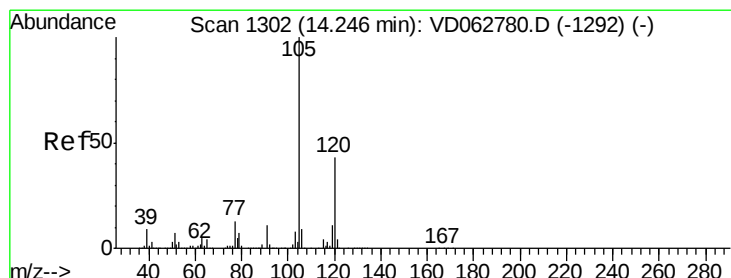
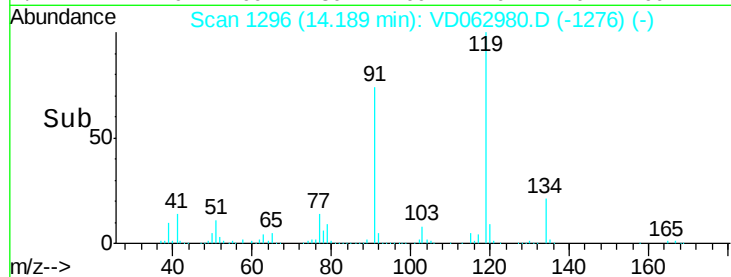
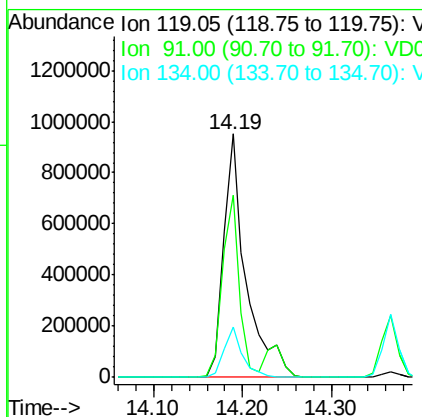
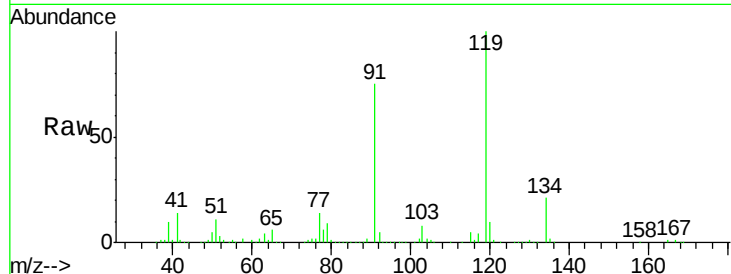
#83
tert-Butylbenzene
Concen: 52.172 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1671961
Ion Ratio Lower Upper
119 100
91 74.6 35.5 106.5
134 20.6 10.2 30.6

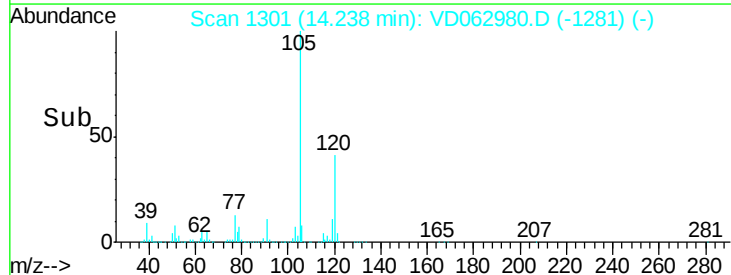
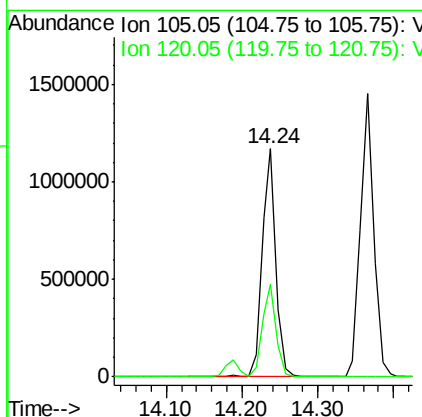
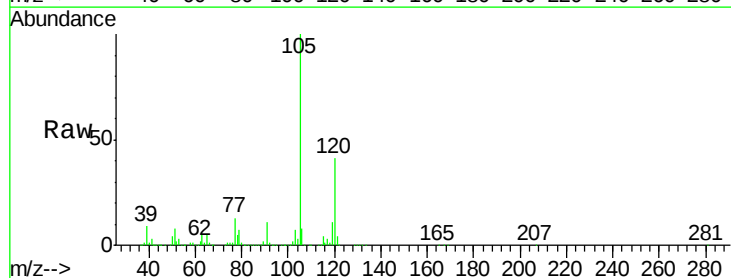
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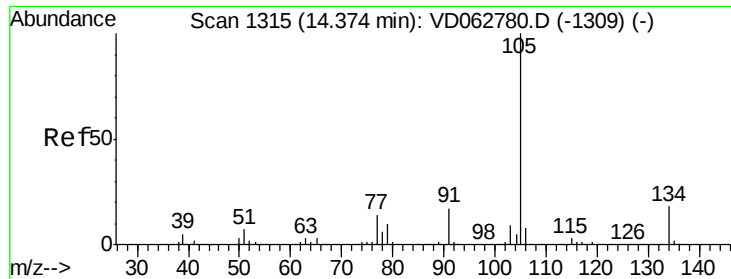
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#84
1,2,4-Trimethylbenzene
Concen: 50.401 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion:105 Resp: 1485215
Ion Ratio Lower Upper
105 100
120 40.7 21.3 63.9





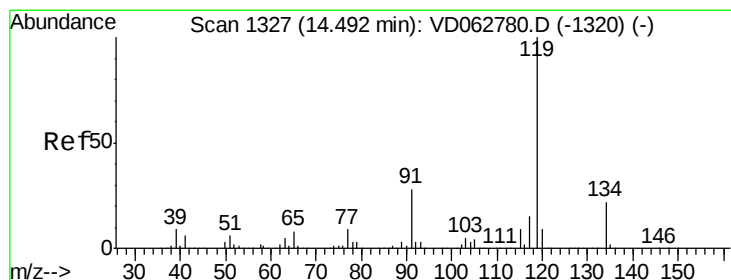
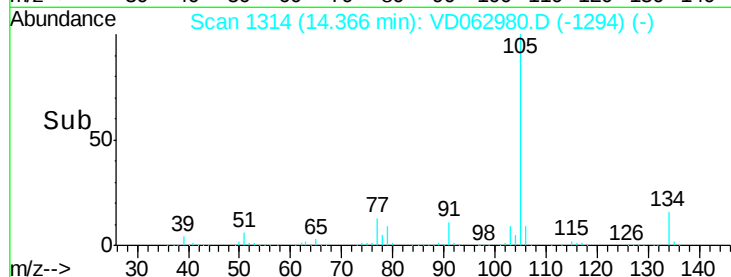
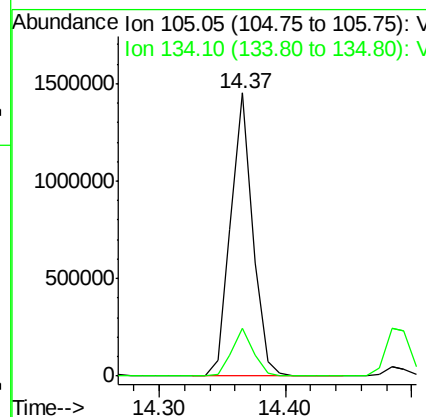
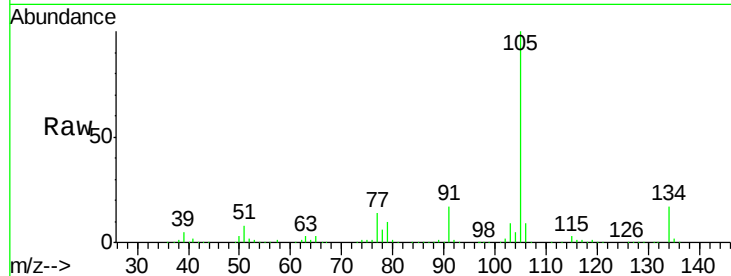
#85
 sec-Butylbenzene
 Concen: 50.061 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1743675
 Ion Ratio Lower Upper
 105 100
 134 17.0 9.1 27.3

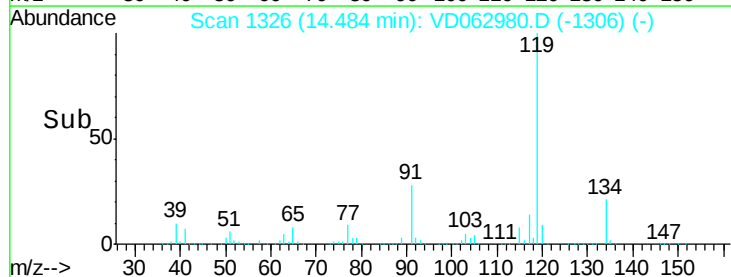
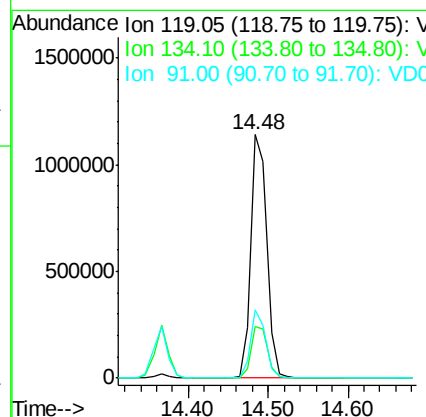
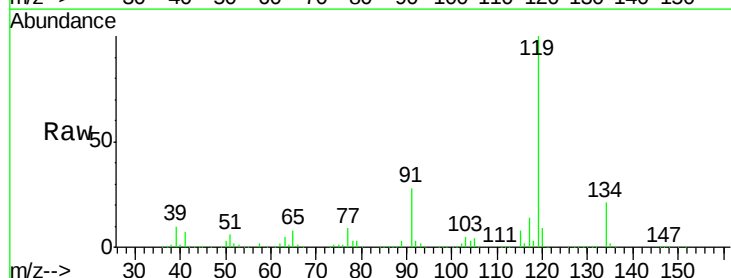
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#86
 p-Isopropyltoluene
 Concen: 49.216 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Tgt Ion:119 Resp: 1568250
 Ion Ratio Lower Upper
 119 100
 134 21.4 11.1 33.1
 91 28.0 14.0 41.9





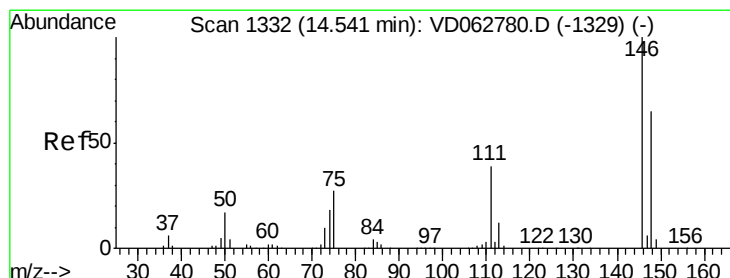
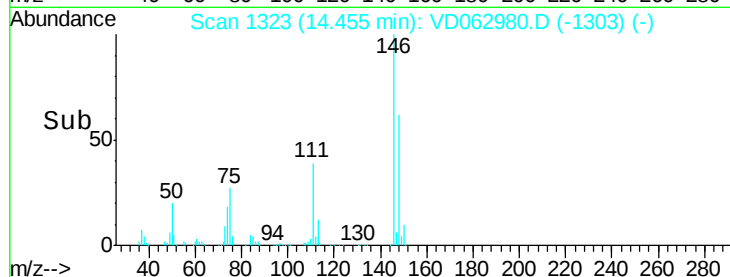
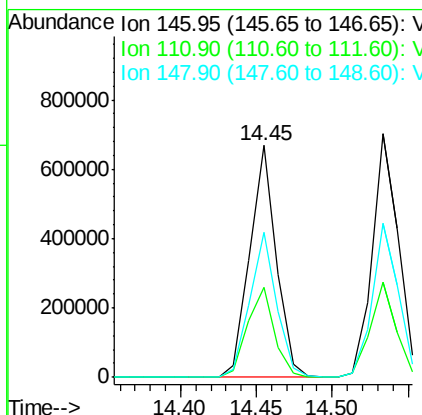
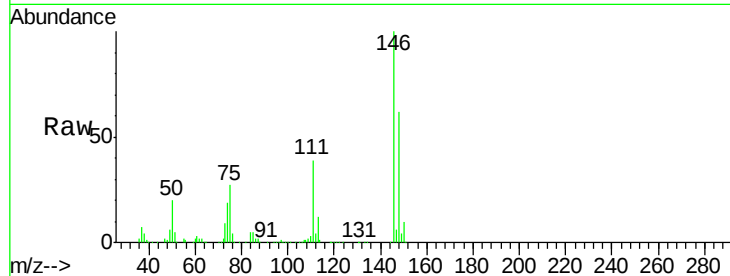
#87
 1,3-Dichlorobenzene
 Concen: 49.674 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.0	57.0
148	62.4	30.8	92.3

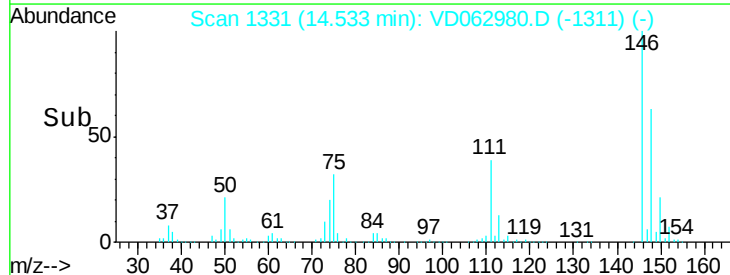
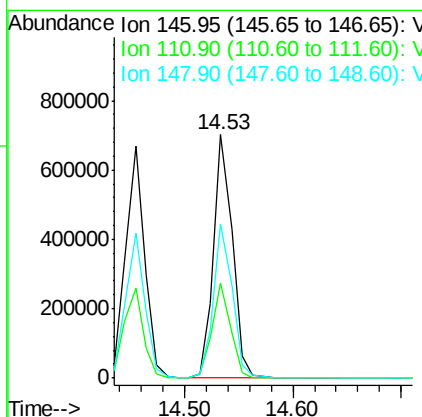
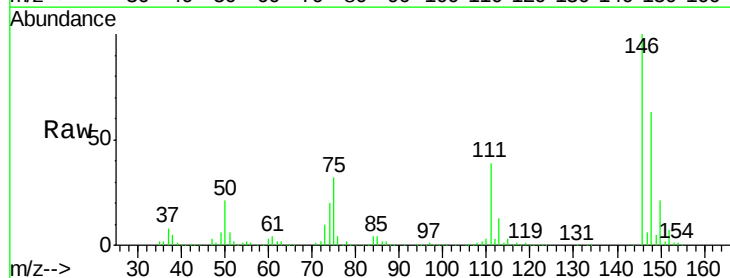
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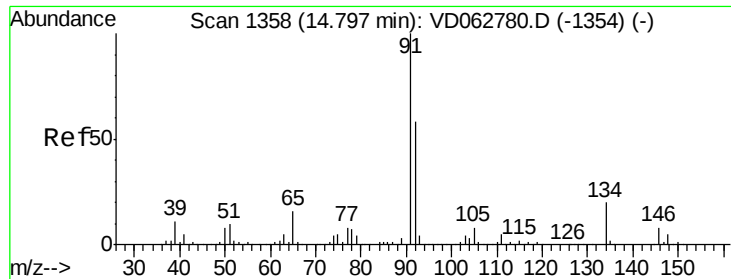
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#88
 1,4-Dichlorobenzene
 Concen: 51.276 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.3	32.8	98.3





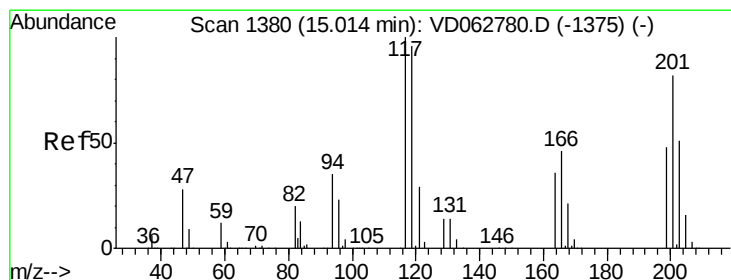
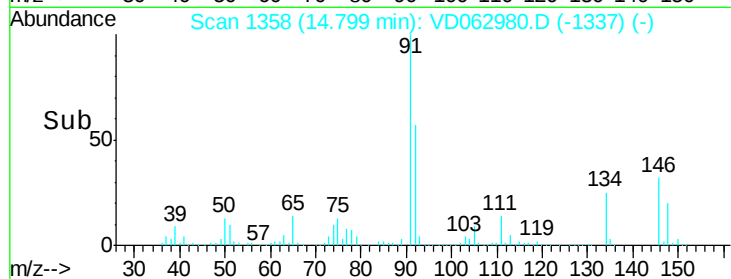
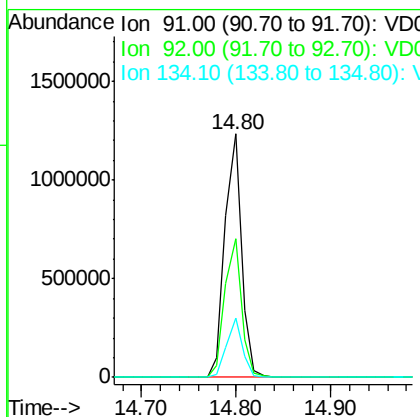
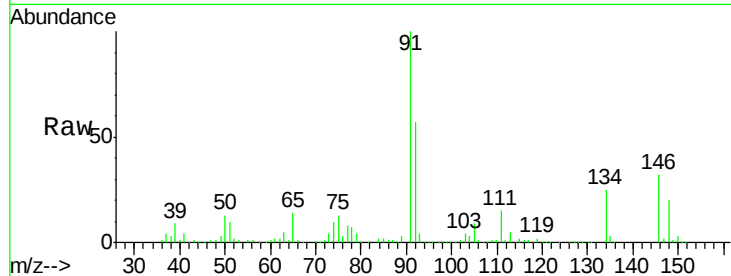
#89
n-Butylbenzene
Concen: 50.748 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1513498
Ion Ratio Lower Upper
91 100
92 57.1 28.9 86.7
134 24.5 10.1 30.3

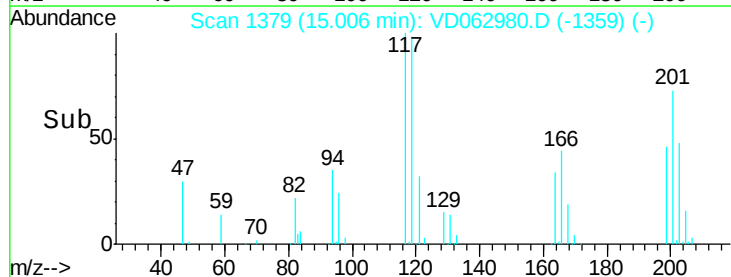
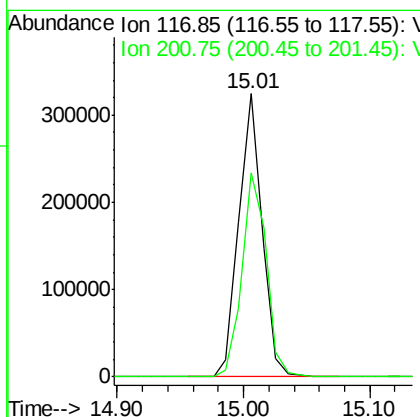
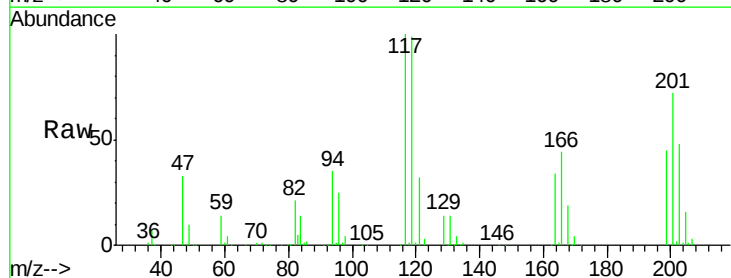
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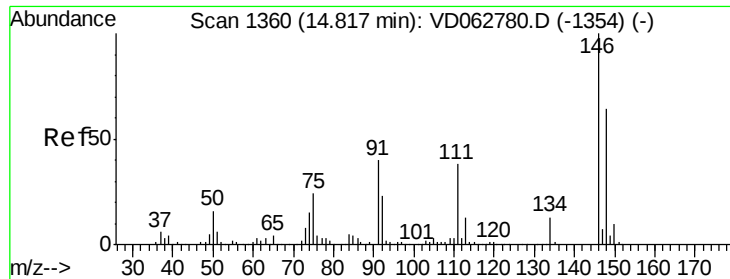
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#90
Hexachloroethane
Concen: 48.044 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062980.D
Acq: 1 Jul 2019 10:08

Tgt Ion: 117 Resp: 411618
Ion Ratio Lower Upper
117 100
201 72.3 40.8 122.2





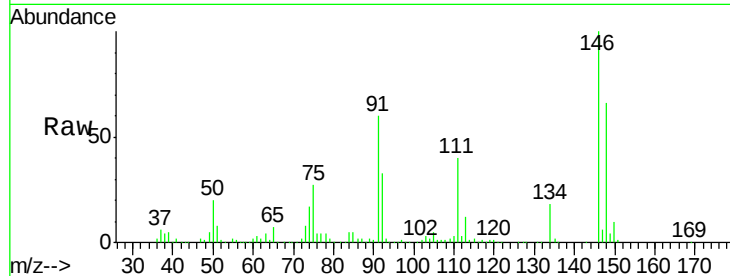
#91
 1,2-Dichlorobenzene
 Concen: 51.753 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

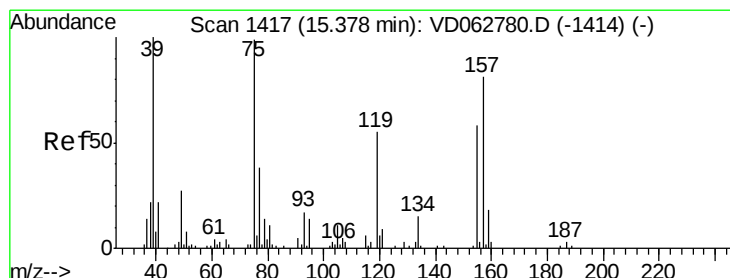
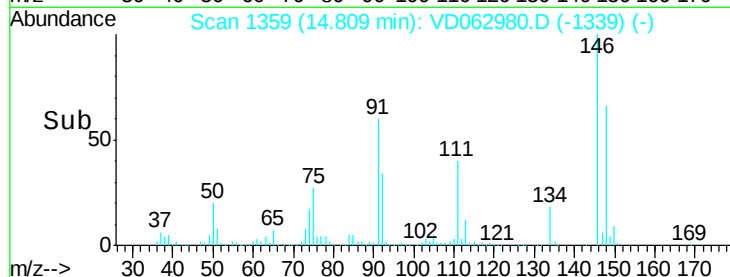
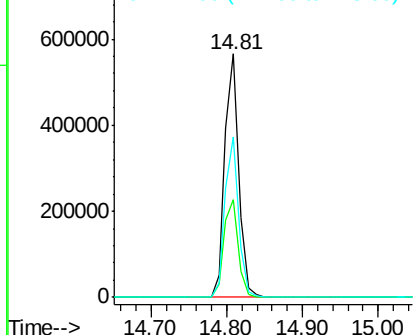
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.1	57.1
148	65.8	32.3	96.8

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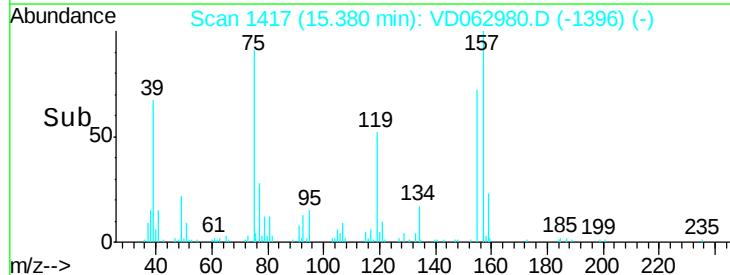
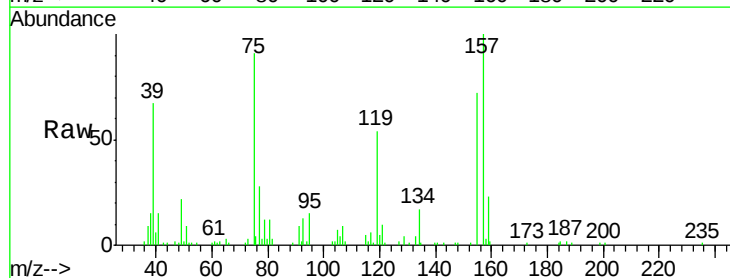
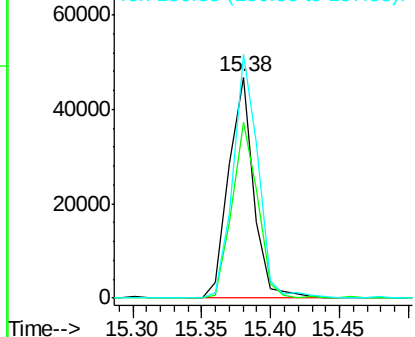
Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

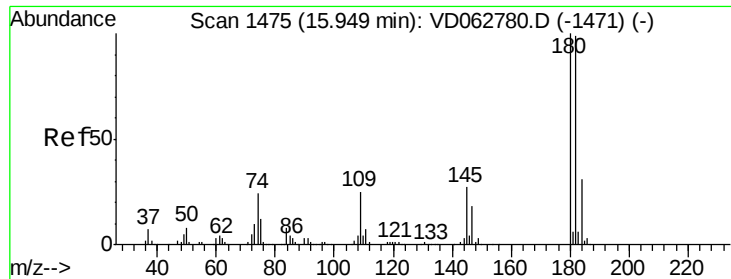


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.806 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.4	29.3	87.8
157	110.3	41.3	123.7

Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





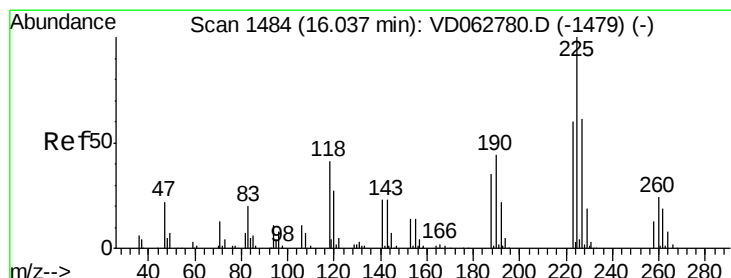
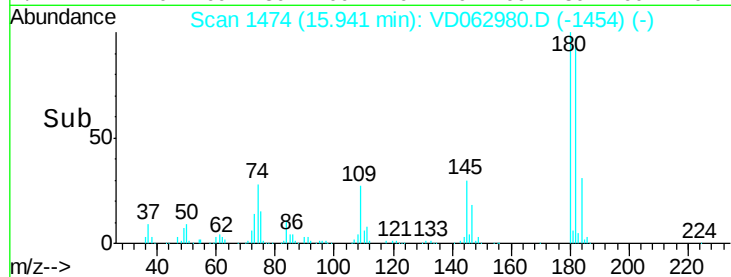
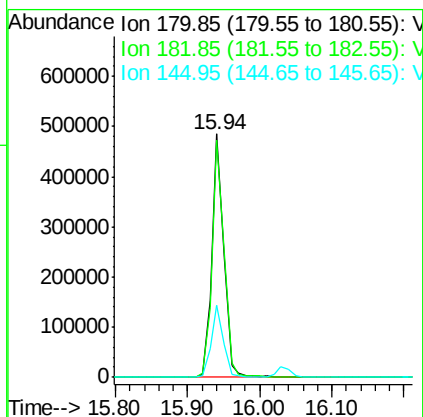
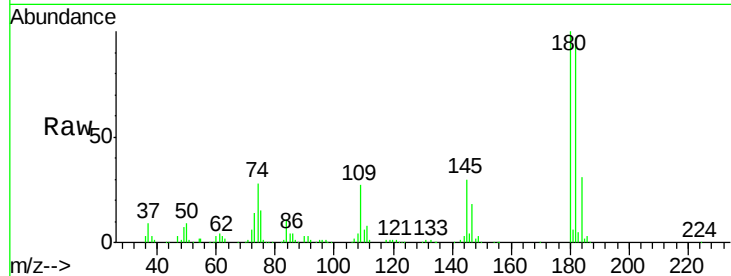
#93
 1,2,4-Trichlorobenzene
 Concen: 50.244 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	49.5	148.5
145	29.8	13.7	41.0

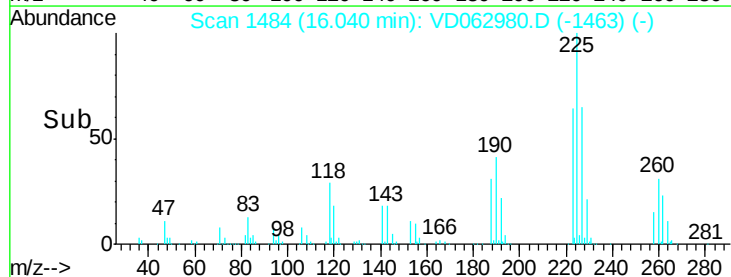
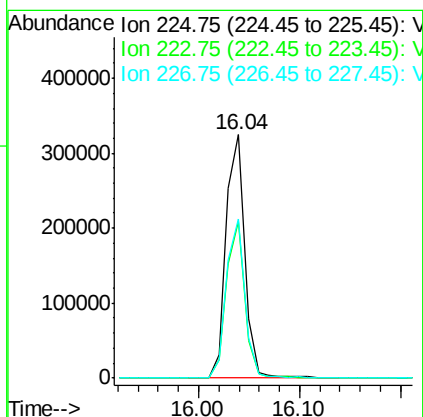
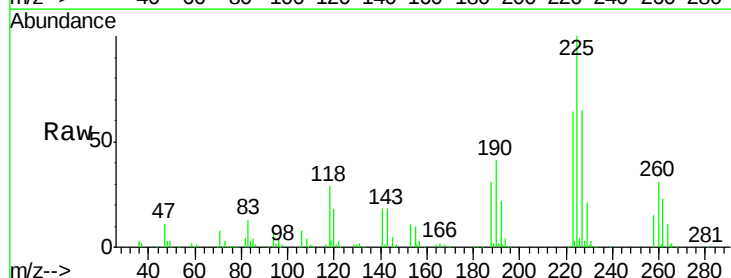
Manual Integrations
 APPROVED

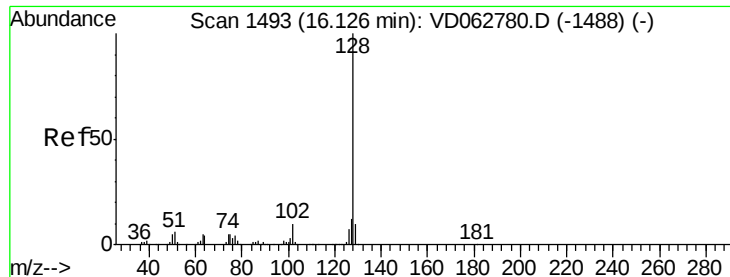
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#94
 Hexachlorobutadiene
 Concen: 49.972 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062980.D
 Acq: 1 Jul 2019 10:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	29.8	89.5
227	65.3	30.6	91.6





#95

Naphthalene

Concen: 52.487 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Instrument :

MSVOA_D

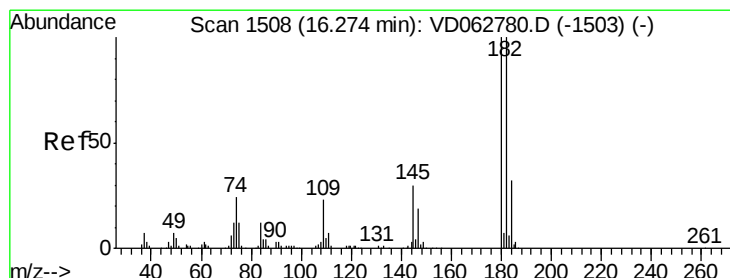
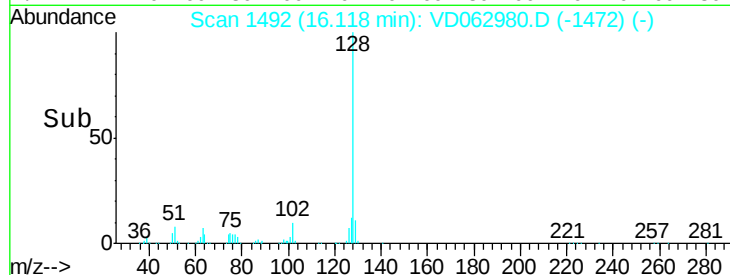
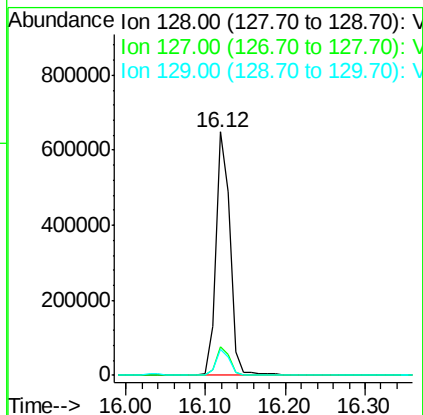
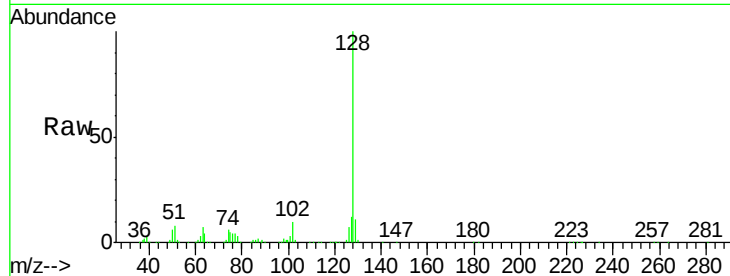
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	811427
Ion Ratio	Lower	Upper	
128	100		
127	11.7	9.7	14.5
129	10.9	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:15:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.296 ug/l

RT: 16.27 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD062980.D

Acq: 1 Jul 2019 10:08

Tgt Ion:	180	Resp:	451664
Ion Ratio	Lower	Upper	
180	100		
182	101.5	49.9	149.6
145	34.3	15.2	45.5

