

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
 Data File : VD062082.D
 Acq On : 30 Apr 2019 12:28
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 7:23:30 AM

Quant Time: May 01 01:20:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	598194	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	910476	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	782750	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	376392	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	248992	53.18	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.36%	
35) Dibromofluoromethane	6.91	113	349819	55.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.10%	
50) Toluene-d8	10.40	98	840388	56.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.18%	
62) 4-Bromofluorobenzene	13.55	95	349904	58.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	116.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	275297	51.540	ug/l	98
3) Chloromethane	1.75	50	204737	45.098	ug/l	99
4) Vinyl Chloride	1.85	62	189717	46.107	ug/l	99
5) Bromomethane	2.15	94	58804	55.643	ug/l	98
6) Chloroethane	2.27	64	76140	51.190	ug/l	94
7) Trichlorofluoromethane	2.53	101	340912	54.796	ug/l	96
8) Diethyl Ether	2.87	74	81028	48.594	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	297118	51.843	ug/l	96
10) Methyl Iodide	3.30	142	413422	47.636	ug/l	98
11) Tert butyl alcohol	4.05	59	67737	256.071	ug/l	97
12) 1,1-Dichloroethene	3.12	96	238068	48.825	ug/l	98
13) Acrolein	3.02	56	68552	249.769	ug/l	96
14) Allyl chloride	3.62	41	316479	47.533	ug/l	93
15) Acrylonitrile	4.18	53	196252	239.592	ug/l	96
16) Acetone	3.21	43	320312	286.536	ug/l	98
17) Carbon Disulfide	3.37	76	645960	45.845	ug/l	99
18) Methyl Acetate	3.63	43	95766	47.112	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	443418	45.834	ug/l	95
20) Methylene Chloride	3.81	84	267731	49.141	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	246401	44.051	ug/l	94
22) Diisopropyl ether	5.10	45	734688	47.263	ug/l	95
23) Vinyl Acetate	5.04	43	1993910	246.308	ug/l	100
24) 1,1-Dichloroethane	4.97	63	441719	47.014	ug/l	99
25) 2-Butanone	6.06	43	325087	239.856	ug/l	96
26) 2,2-Dichloropropane	6.01	77	424601	51.803	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	305117	47.949	ug/l	97
28) Bromochloromethane	6.43	49	179418	49.909	ug/l	99
29) Tetrahydrofuran	6.44	42	155605	233.008	ug/l	99
30) Chloroform	6.65	83	514896	48.249	ug/l	97
31) Cyclohexane	6.95	56	324276	46.500	ug/l	100
32) 1,1,1-Trichloroethane	6.86	97	451997	48.680	ug/l	99
36) 1,1-Dichloropropene	7.13	75	363105	51.188	ug/l	98
37) Ethyl Acetate	6.17	43	151557	50.138	ug/l	97
38) Carbon Tetrachloride	7.10	117	465771m	51.817	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	405464	57.934	ug/l	97
40) Benzene	7.44	78	875968	49.880	ug/l	97
41) Methacrylonitrile	6.44	41	176757	50.116	ug/l #	87
42) 1,2-Dichloroethane	7.56	62	324817	54.475	ug/l	98
43) Isopropyl Acetate	9.23	43	221005	50.038	ug/l #	99
44) Trichloroethene	8.53	130	368293	54.095	ug/l	100
45) 1,2-Dichloropropane	8.92	63	234633	52.666	ug/l	100
46) Dibromomethane	9.05	93	167304	52.189	ug/l	95
47) Bromodichloromethane	9.36	83	402106	53.086	ug/l	97
48) Methyl methacrylate	9.11	41	120661	47.881	ug/l	98
49) 1,4-Dioxane	9.07	88	29170	1073.658	ug/l #	93
51) 4-Methyl-2-Pentanone	10.29	43	731511	270.818	ug/l	100
52) Toluene	10.50	92	587814	52.496	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	374473	58.898	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	444233	57.447	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	207519	55.203	ug/l	98
56) Ethyl methacrylate	11.03	69	217056	52.133	ug/l	99
57) 1,3-Dichloropropane	11.39	76	315888	54.407	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	532937	275.319	ug/l	98
59) 2-Hexanone	11.52	43	577716	285.120	ug/l	99
60) Dibromochloromethane	11.68	129	324500	52.170	ug/l	100
61) 1,2-Dibromoethane	11.80	107	240144	53.852	ug/l	99
64) Tetrachloroethene	11.24	164	271524	48.627	ug/l	94
65) Chlorobenzene	12.40	112	687759	46.498	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	319722	50.959	ug/l	97
67) Ethyl Benzene	12.51	91	1162217	48.141	ug/l	99
68) m/p-Xylenes	12.66	106	879628	100.811	ug/l	99
69) o-Xylene	13.05	106	386634	48.428	ug/l	97
70) Styrene	13.07	104	676511	49.075	ug/l	100
71) Bromoform	13.22	173	189176	52.888	ug/l	98
73) Isopropylbenzene	13.40	105	1188170	47.322	ug/l	98
74) N-amyl acetate	13.26	43	277163	42.863	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	236831	48.134	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	225190	47.114	ug/l	99
77) Bromobenzene	13.67	156	334532	46.446	ug/l	99
78) n-propylbenzene	13.77	91	1421618	49.460	ug/l	98
79) 2-Chlorotoluene	13.83	91	791344	45.454	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	903919	45.150	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	71819	49.585	ug/l	96
82) 4-Chlorotoluene	13.94	91	871738	45.467	ug/l	96
83) tert-Butylbenzene	14.19	119	1158261	49.942	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	967101	50.591	ug/l	96
85) sec-Butylbenzene	14.37	105	1270783	50.711	ug/l	96
86) p-Isopropyltoluene	14.48	119	971976	43.339	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	582058	46.147	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	551405	46.746	ug/l	96
89) n-Butylbenzene	14.79	91	993419	49.338	ug/l	96
90) Hexachloroethane	15.01	117	308807	50.920	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	499788	48.036	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	30128	41.896	ug/l	69

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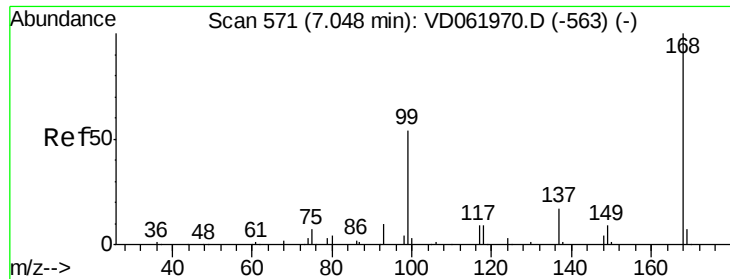
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	258768	46.095	ug/l	97
94) Hexachlorobutadiene	16.03	225	197897	47.635	ug/l	97
95) Naphthalene	16.12	128	413318	45.599	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	148810	46.719	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 598194

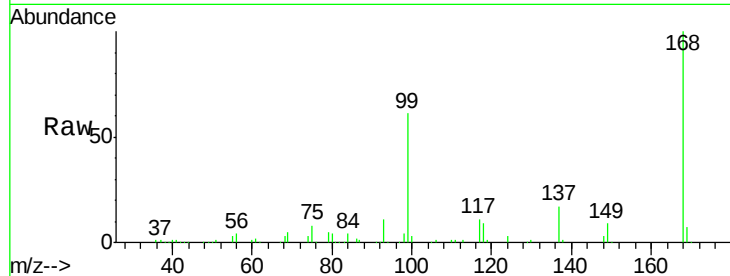
Ion Ratio Lower Upper

168 100

99 60.7 46.5 69.7

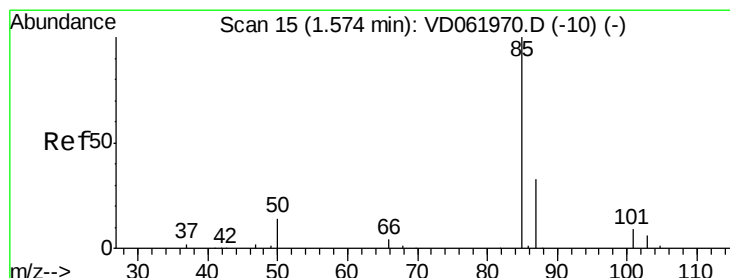
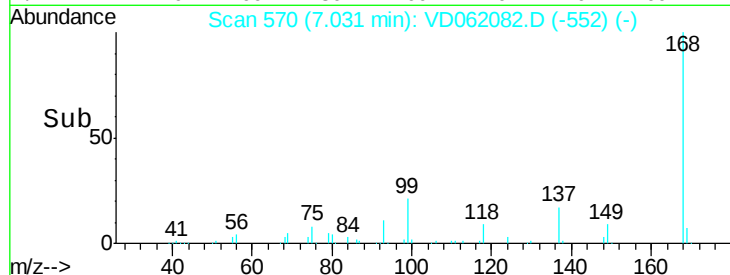
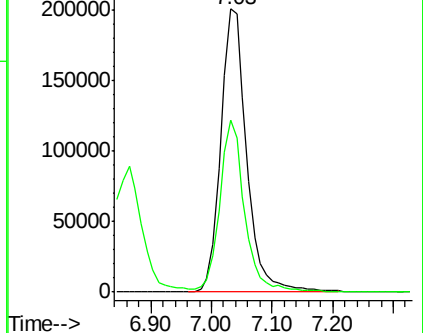
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.540 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD062082.D

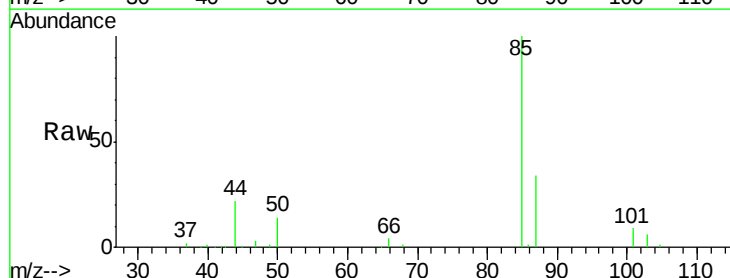
Acq: 30 Apr 2019 12:28

Tgt Ion: 85 Resp: 275297

Ion Ratio Lower Upper

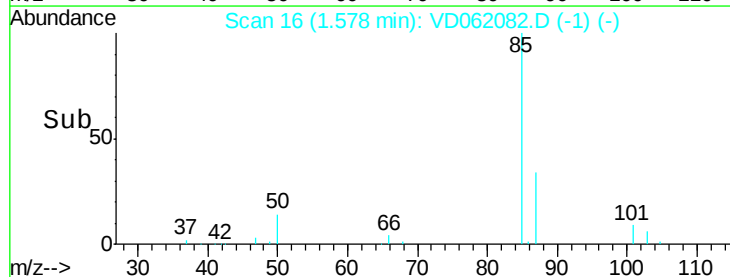
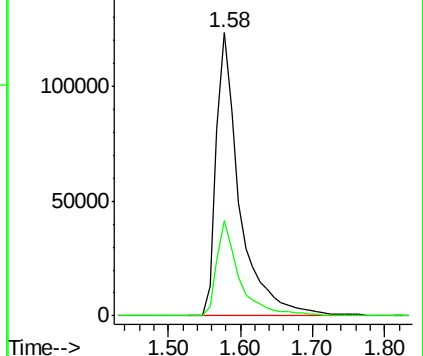
85 100

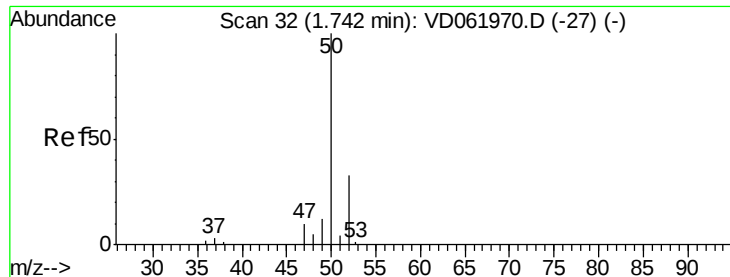
87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.098 ug/l

RT: 1.75 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 204737

Ion Ratio Lower Upper

50 100

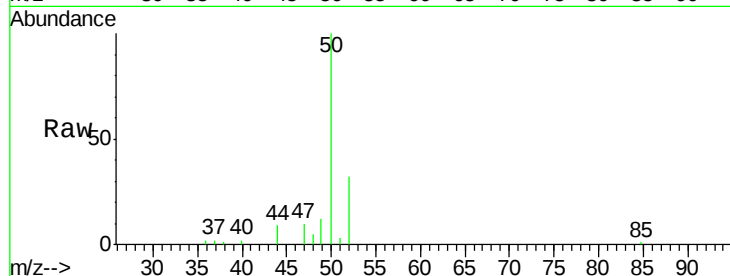
52 32.1 25.2 37.8

Manual Integrations

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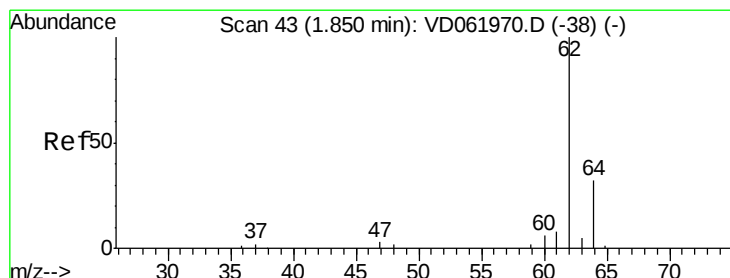
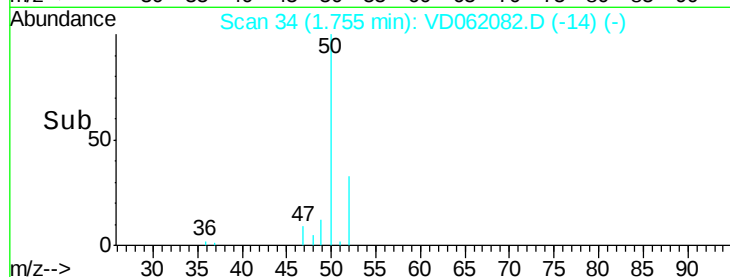
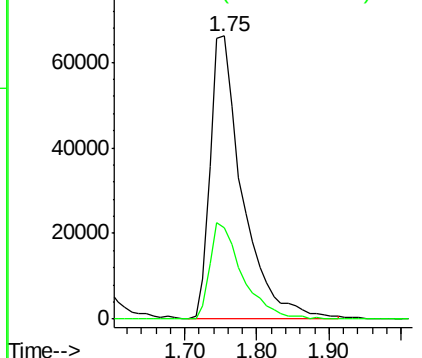
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.107 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD062082.D

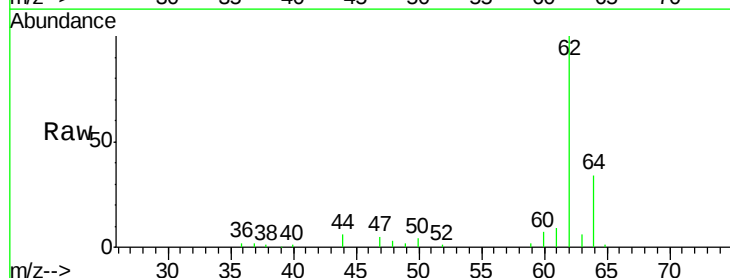
Acq: 30 Apr 2019 12:28

Tgt Ion: 62 Resp: 189717

Ion Ratio Lower Upper

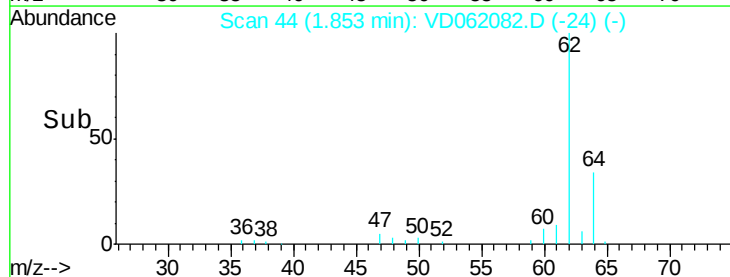
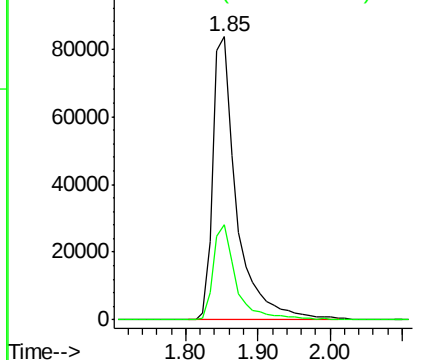
62 100

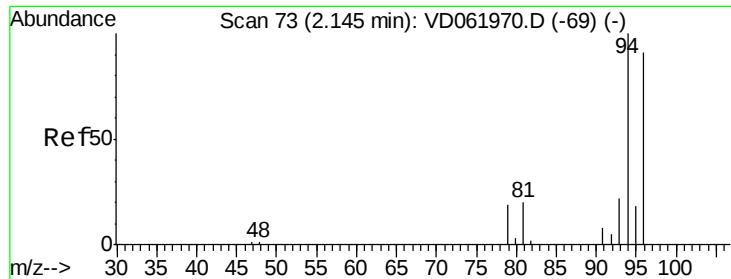
64 33.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 55.643 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

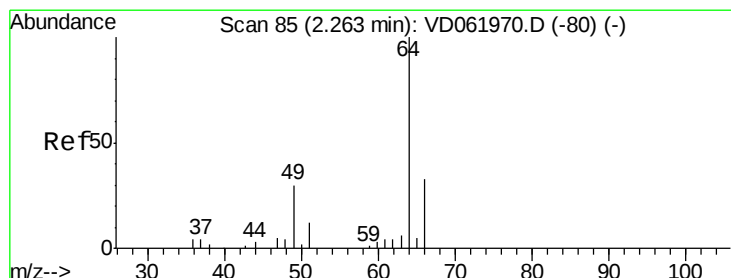
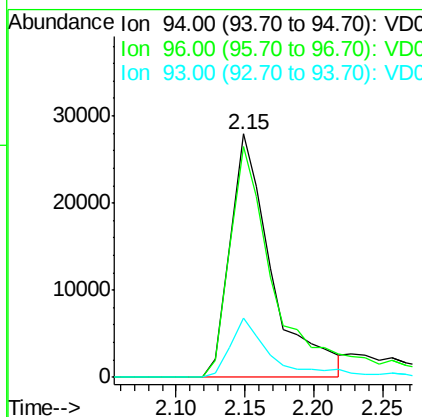
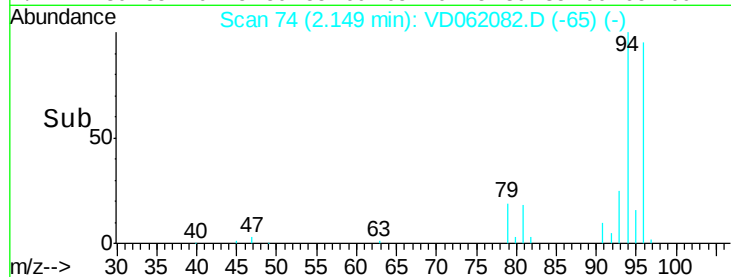
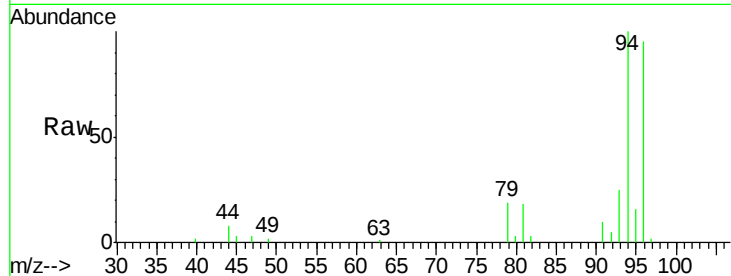
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	58804
Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.6	115.0
93	24.6	18.5	27.7

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#6

Chloroethane

Concen: 51.190 ug/l

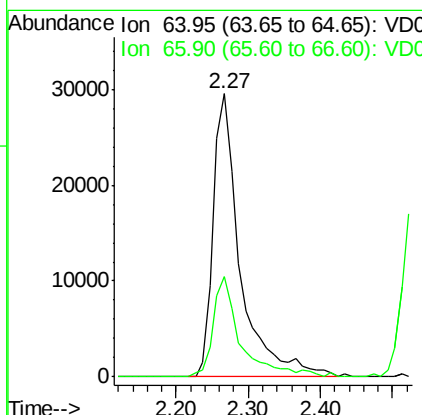
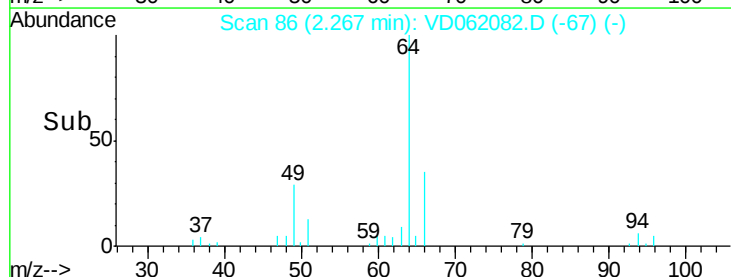
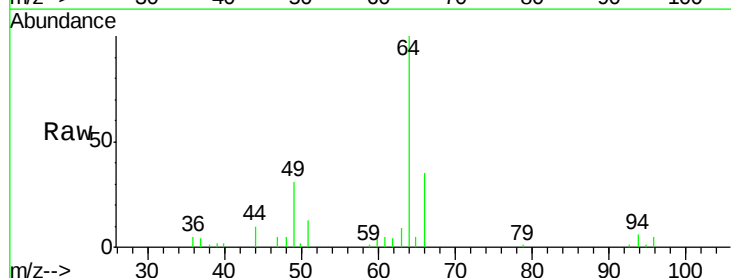
RT: 2.27 min Scan# 86

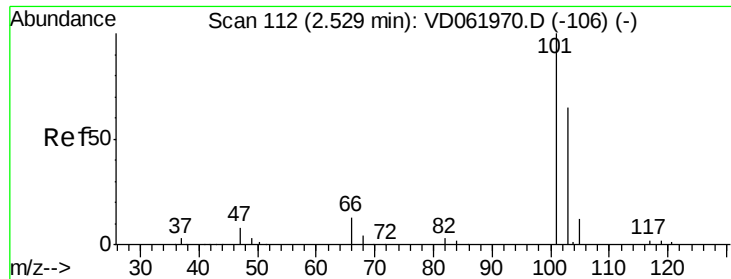
Delta R.T. -0.01 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Tgt Ion:	64	Resp:	76140
Ion	Ratio	Lower	Upper
64	100		
66	35.3	25.6	38.4





#7

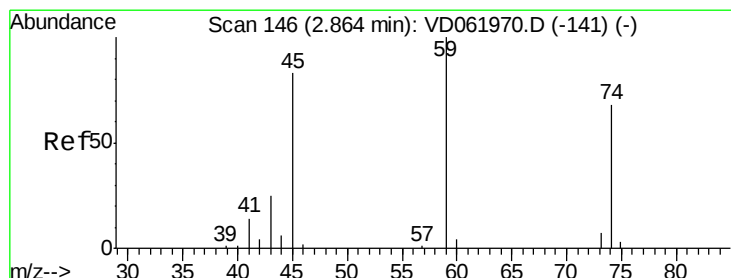
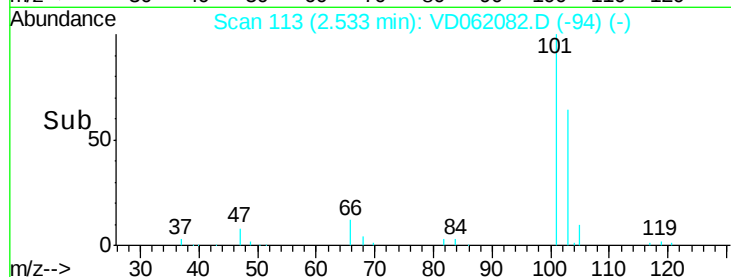
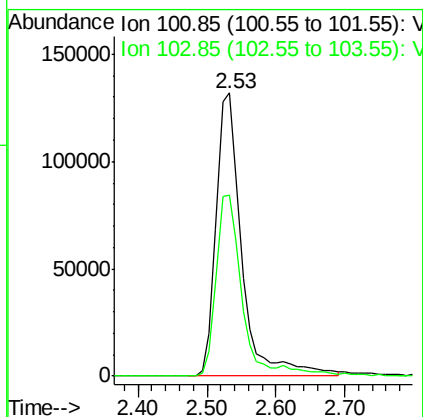
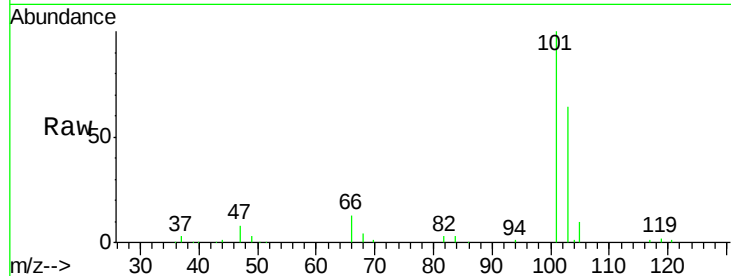
Trichlorofluoromethane
Concen: 54.796 ug/l
RT: 2.53 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	340912		
103	64.1	53.6	80.4	

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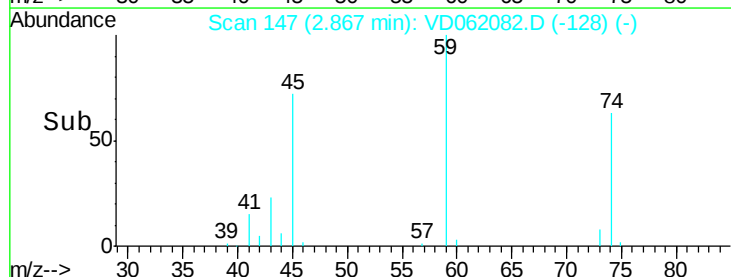
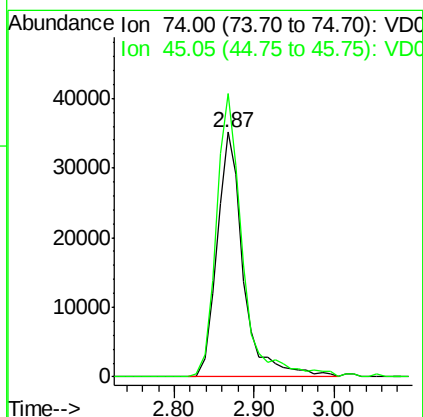
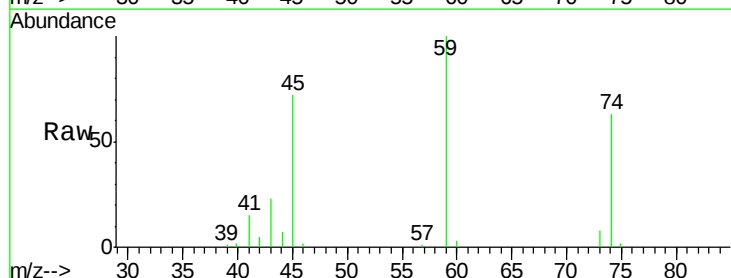
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#8

Diethyl Ether
Concen: 48.594 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD062082.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	81028		
45	115.7	56.9	170.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.843 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD062082.D

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MSVOA_D

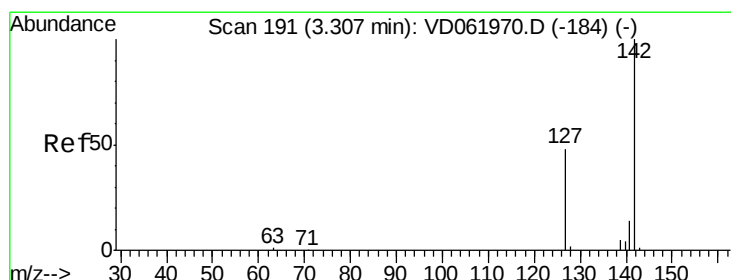
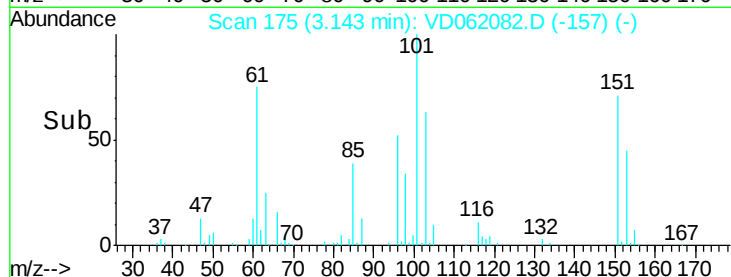
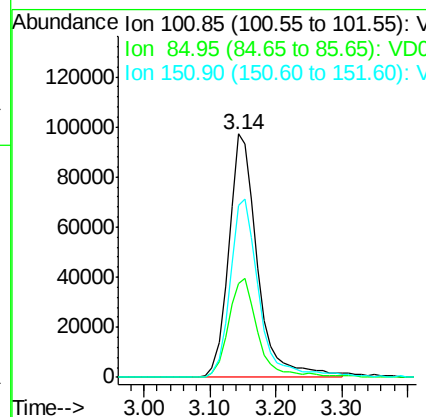
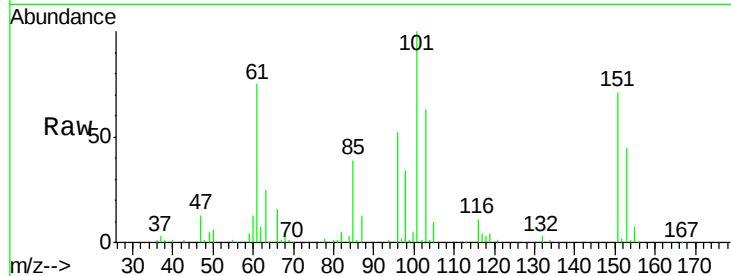
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	297118
Ion Ratio	Lower	Upper	
101	100		
85	38.6	32.4	48.6
151	70.6	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 47.636 ug/l

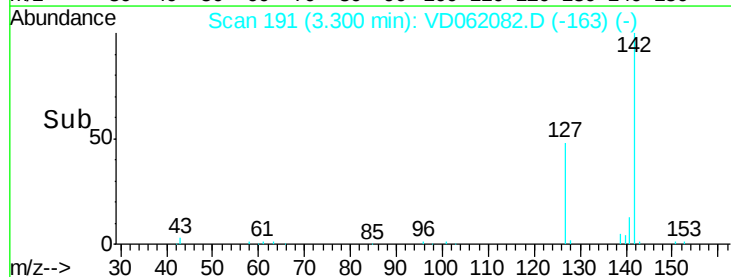
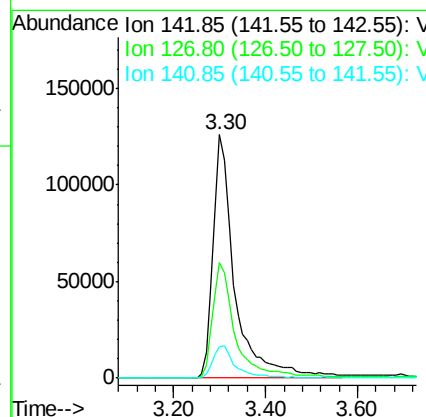
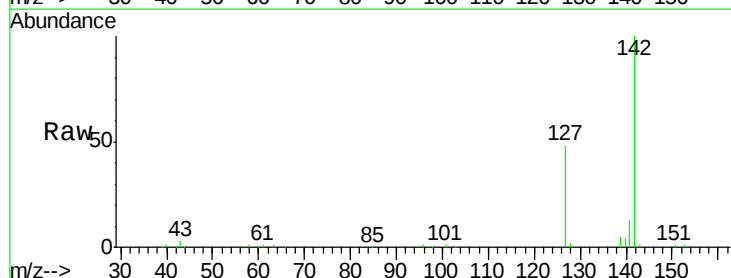
RT: 3.30 min Scan# 191

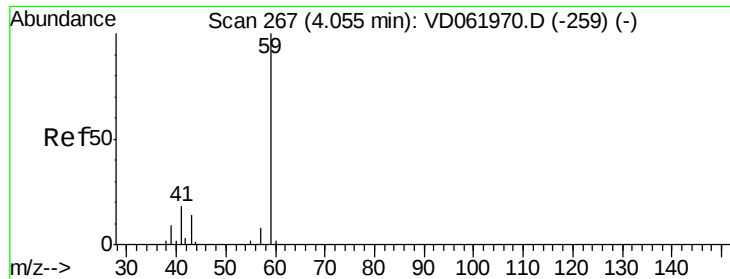
Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Tgt Ion:	142	Resp:	413422
Ion Ratio	Lower	Upper	
142	100		
127	47.7	38.8	58.2
141	13.0	11.4	17.0





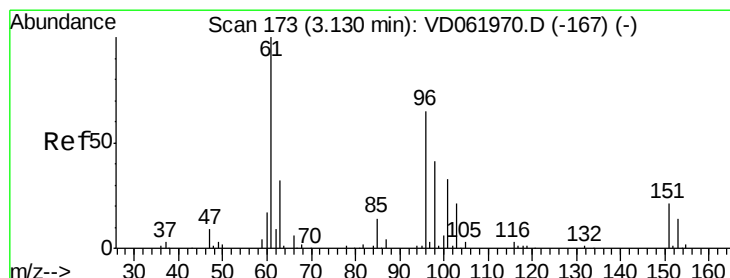
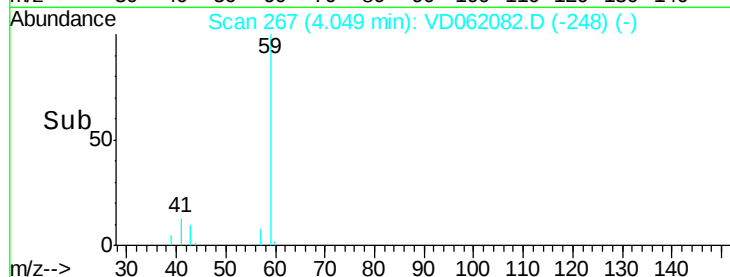
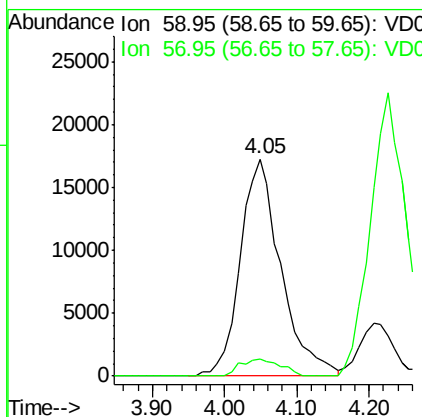
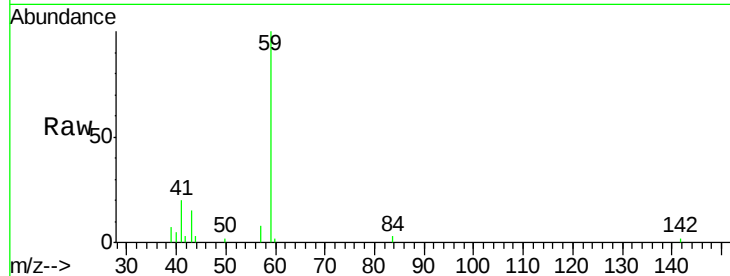
#11
Tert butyl alcohol
Concen: 256.071 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	7.7	Resp:	67737
Lower						6.9	
Upper						10.3	

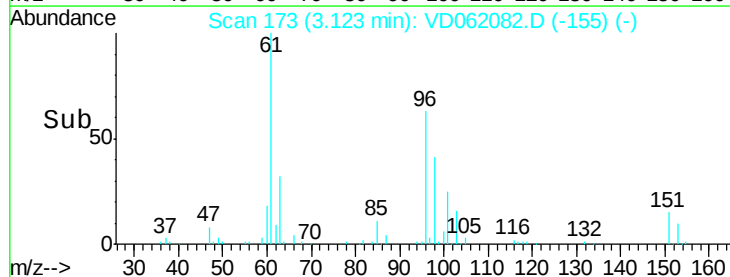
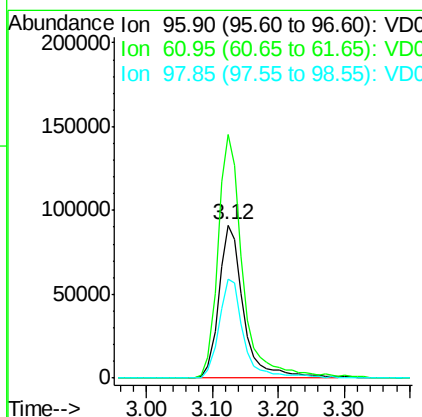
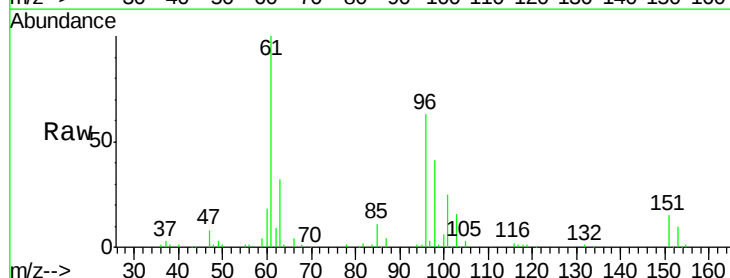
Manual Integrations
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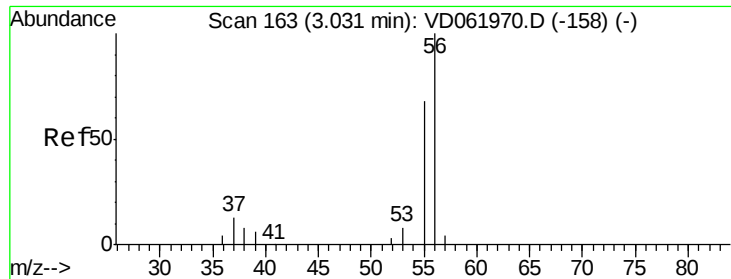
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.825 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.02 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion	96	61	98	Ratio	100	159.0	64.5	Resp:	238068
Lower						129.8	51.2		
Upper						194.8	76.8		





#13

Acrolein

Concen: 249.769 ug/l

RT: 3.02 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 68552

Ion Ratio Lower Upper

56 100

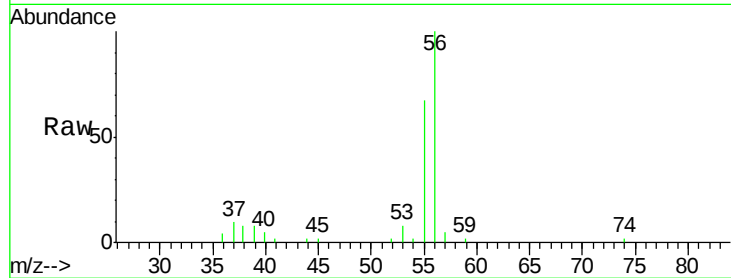
55 67.4 51.4 77.2

Manual Integrations

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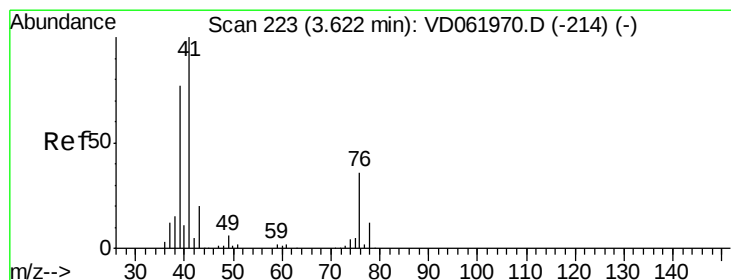
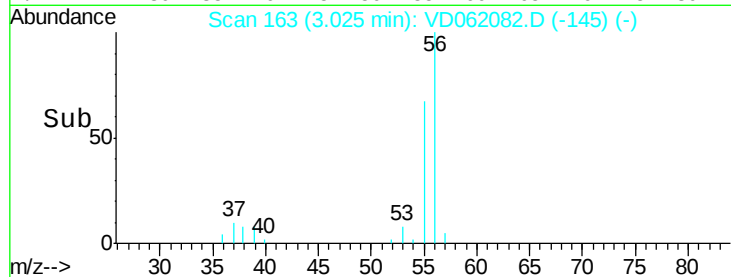
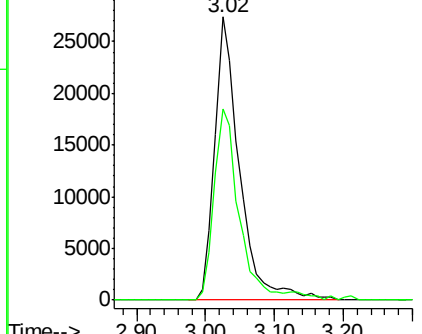
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.533 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

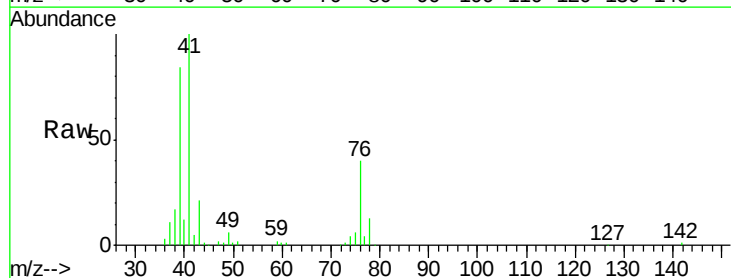
Tgt Ion: 41 Resp: 316479

Ion Ratio Lower Upper

41 100

39 83.9 60.5 90.7

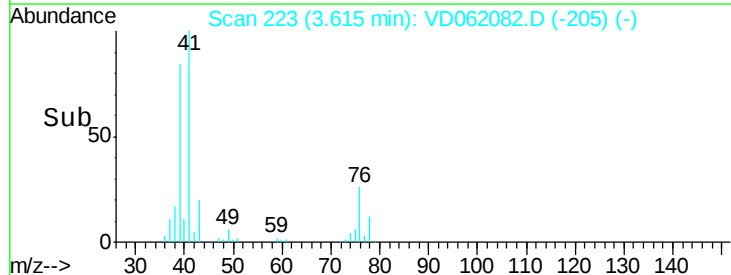
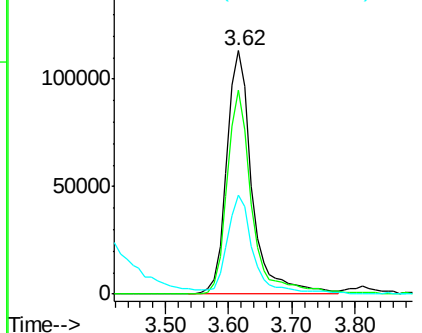
76 40.4 31.8 47.8

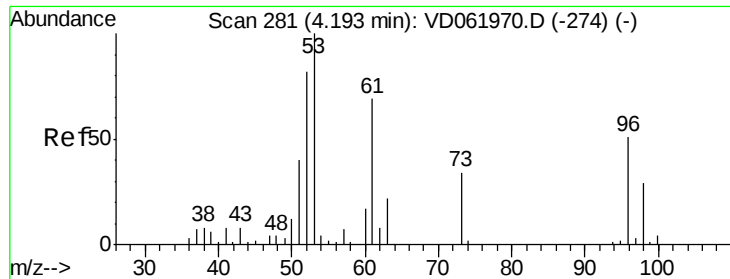


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 239.592 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

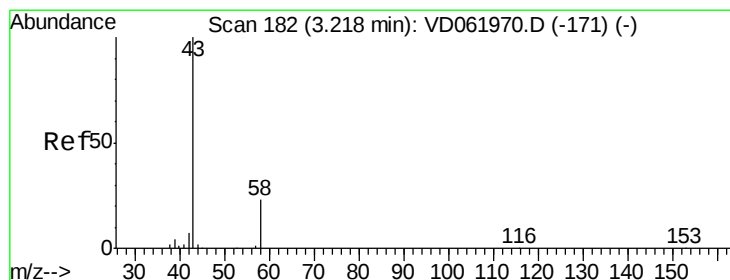
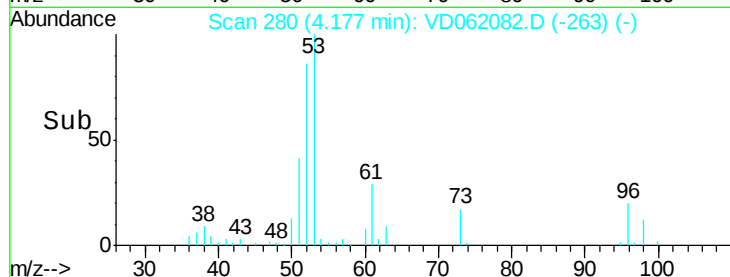
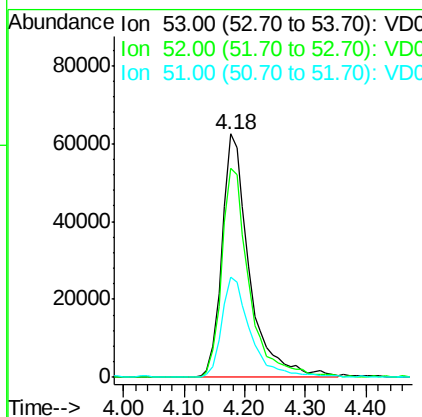
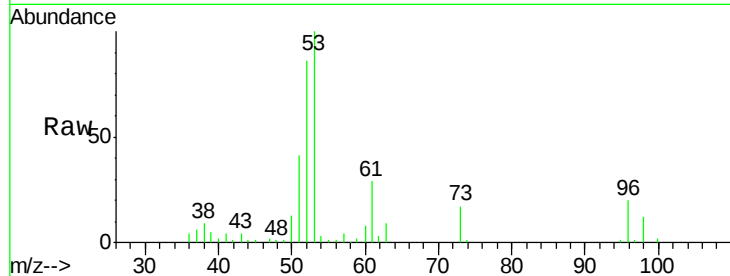
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	196252
Ion	Ratio	Lower	Upper
53	100		
52	86.1	65.0	97.4
51	41.4	32.6	48.8

Manual Integrations
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#16

Acetone

Concen: 286.536 ug/l

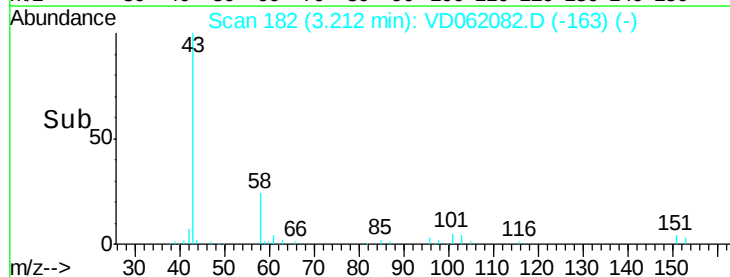
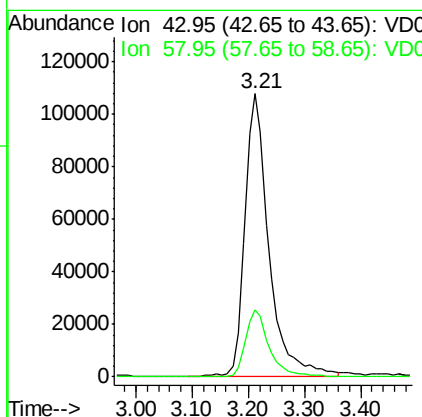
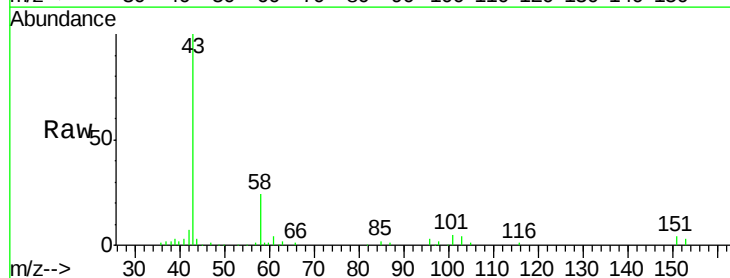
RT: 3.21 min Scan# 182

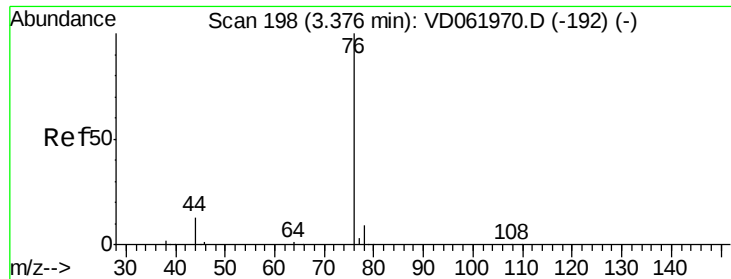
Delta R.T. -0.01 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Tgt Ion:	43	Resp:	320312
Ion	Ratio	Lower	Upper
43	100		
58	23.8	19.9	29.9





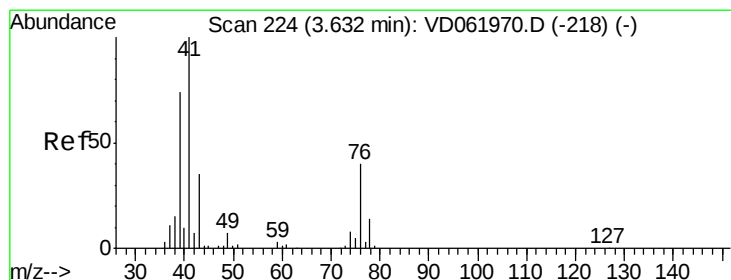
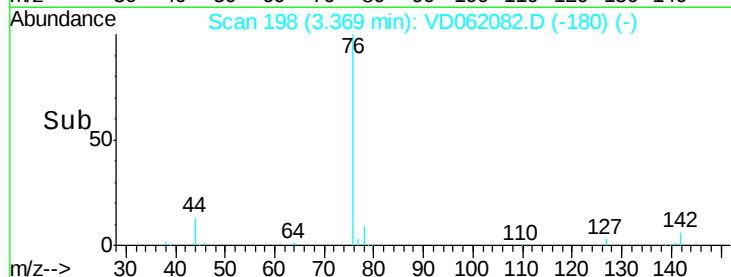
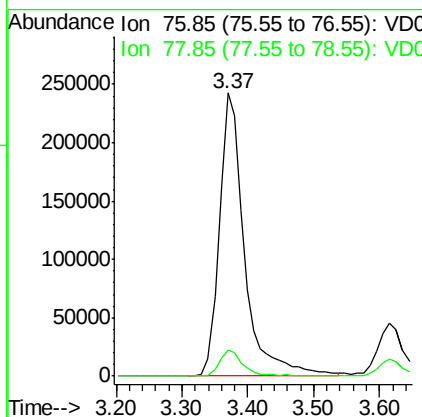
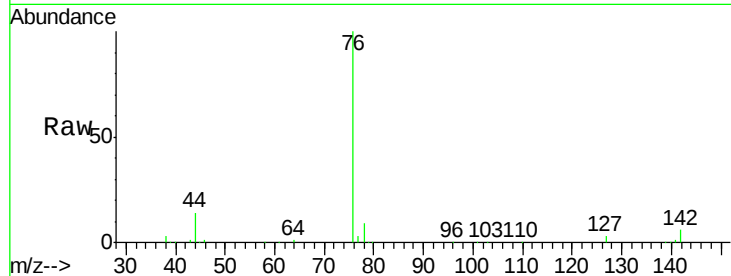
#17
Carbon Disulfide
Concen: 45.845 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.02 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 645960
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

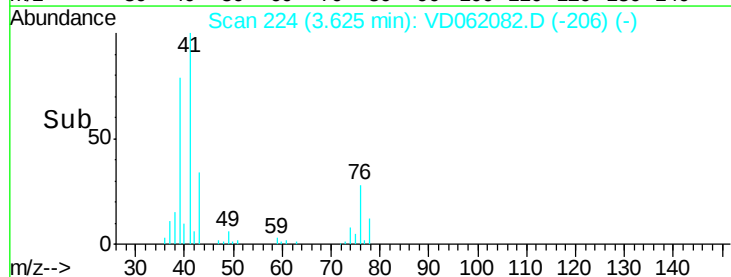
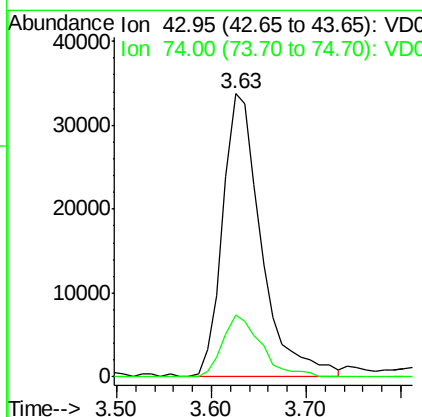
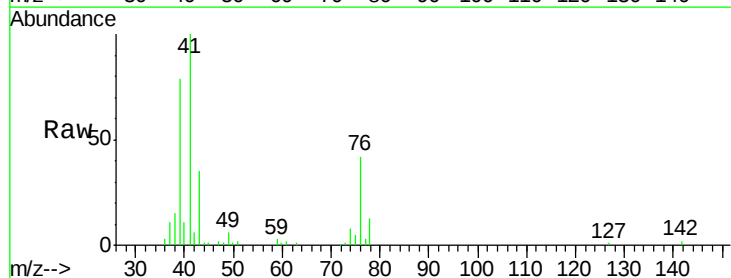
Manual Integrations
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#18
Methyl Acetate
Concen: 47.112 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion: 43 Resp: 95766
Ion Ratio Lower Upper
43 100
74 22.0 18.0 27.0





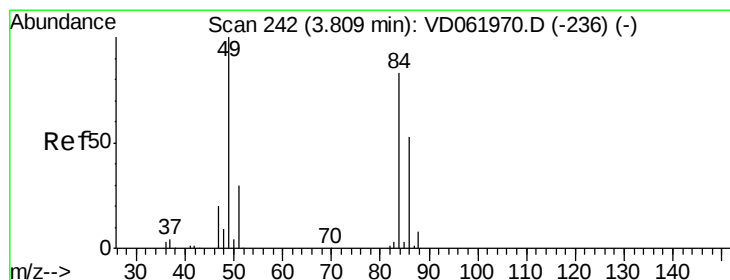
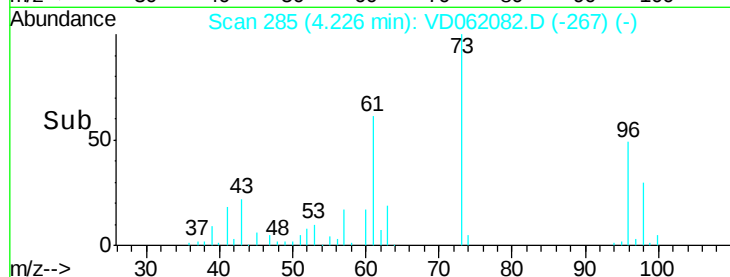
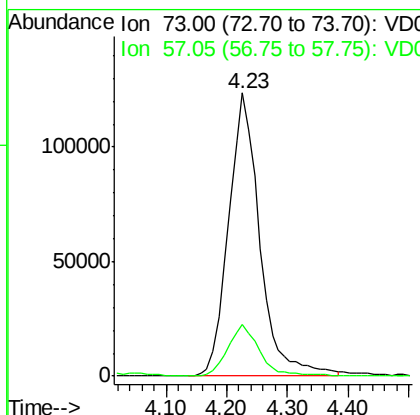
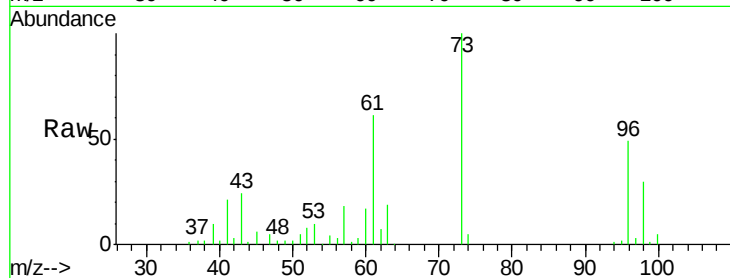
#19
Methvl tert-butvl Ether
Concen: 45.834 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 443418
Ion Ratio Lower Upper
73 100
57 18.2 16.3 24.5

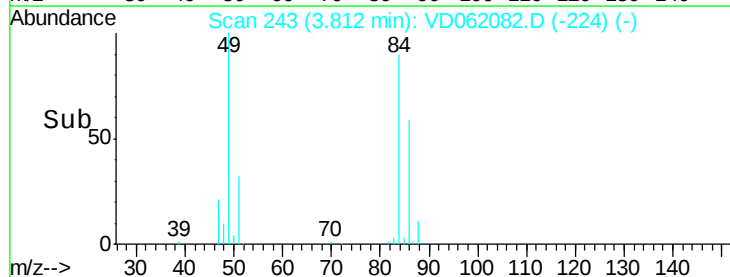
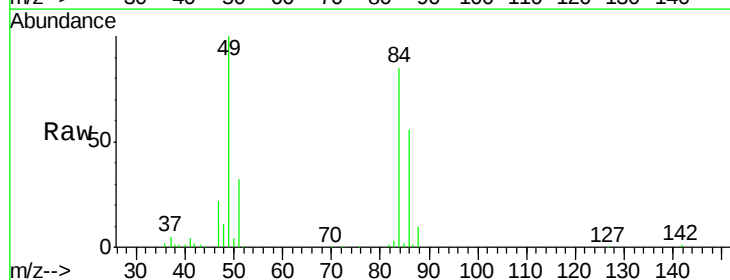
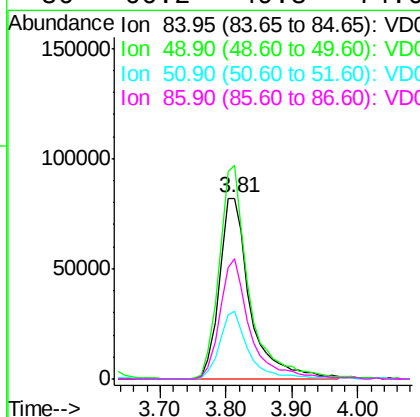
Manual Integrations
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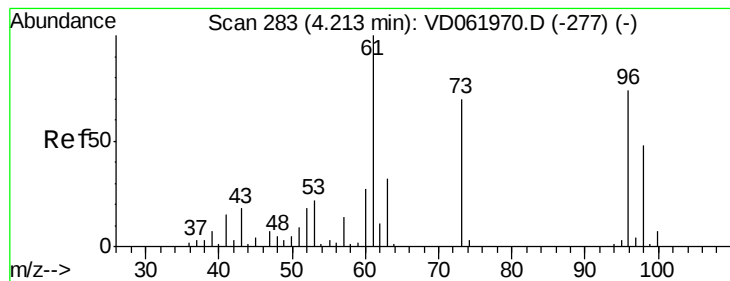
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#20
Methylene Chloride
Concen: 49.141 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion: 84 Resp: 267731
Ion Ratio Lower Upper
84 100
49 118.0 94.0 141.0
51 37.3 29.0 43.4
86 66.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 44.051 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

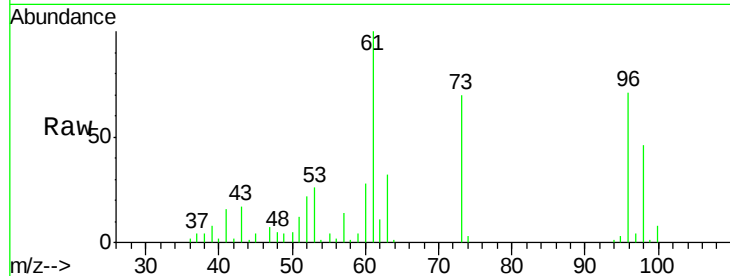
ClientSampleId :

VSTDCCC050

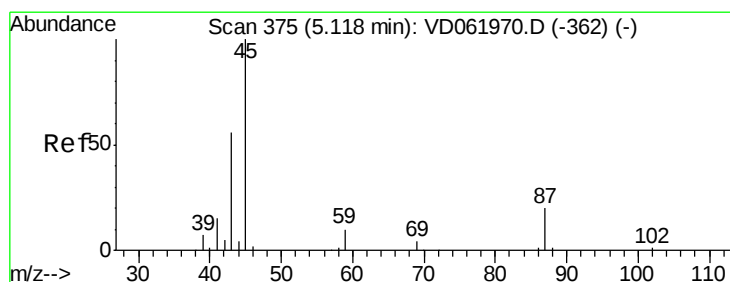
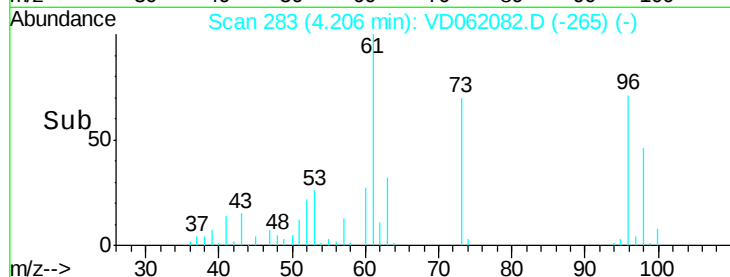
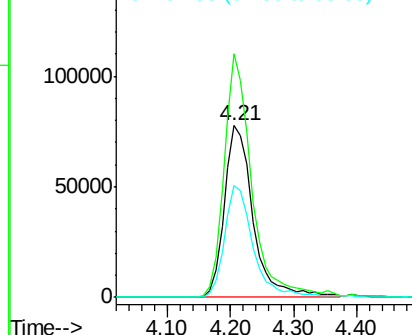
Tot Ion:	96	Resp:	246401
Ion	Ratio	Lower	Upper
96	100		
61	141.7	104.4	156.6
98	64.7	51.8	77.8

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



#22

Diisopropyl ether

Concen: 47.263 ug/l

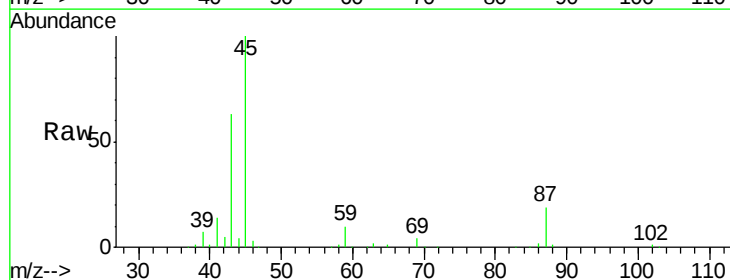
RT: 5.10 min Scan# 374

Delta R.T. -0.02 min

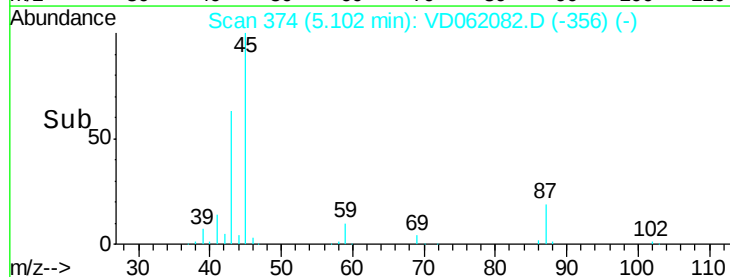
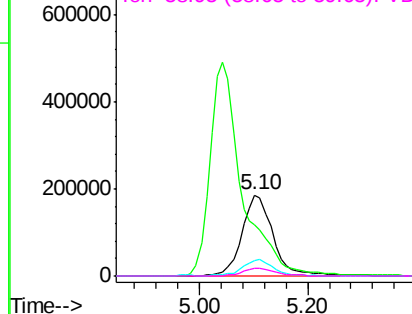
Lab File: VD062082.D

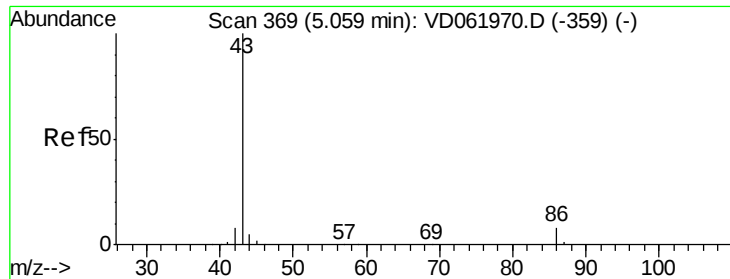
Acq: 30 Apr 2019 12:28

Tgt Ion:	45	Resp:	734688
Ion	Ratio	Lower	Upper
45	100		
43	63.3	46.2	69.2
87	19.4	15.9	23.9
59	9.7	7.9	11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 246.308 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1993910

Ion Ratio Lower Upper

43 100

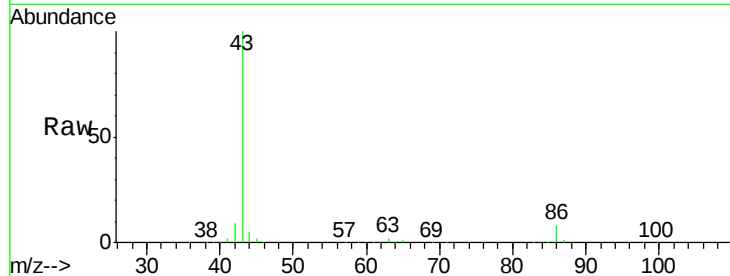
86 8.0 6.4 9.6

Manual Integrations

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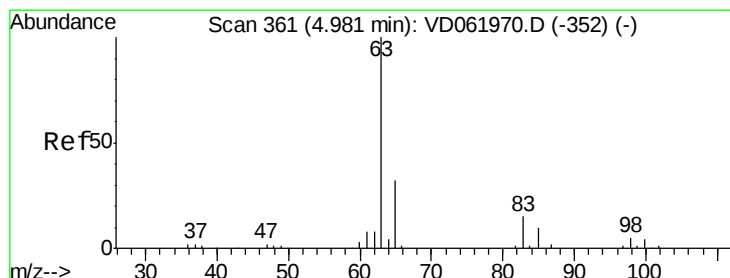
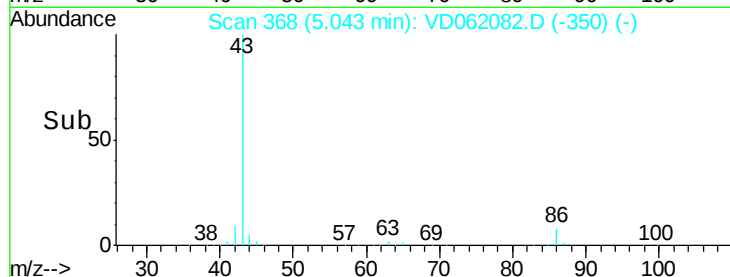
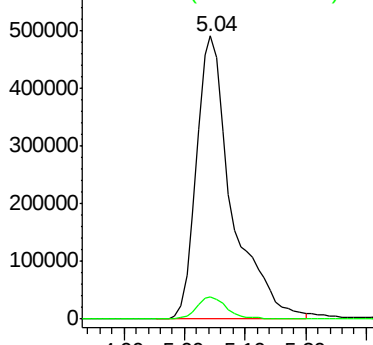
MMDadoda

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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: 47.014 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

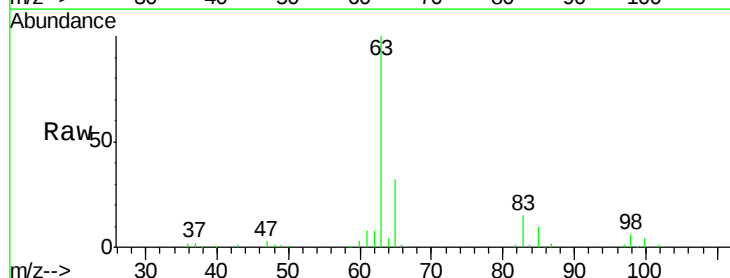
Tgt Ion: 63 Resp: 441719

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

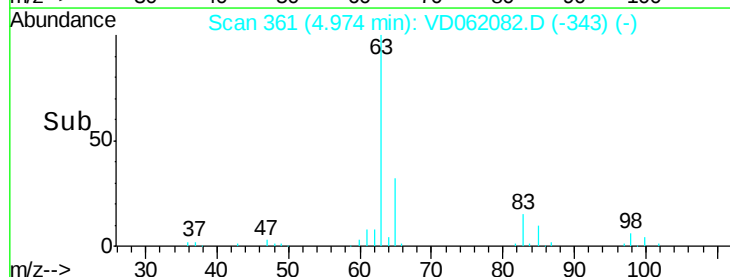
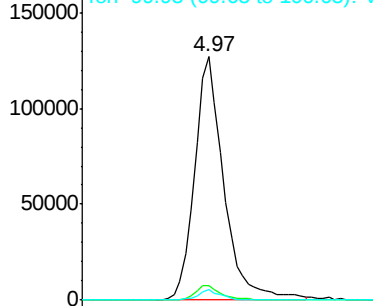
100 4.1 1.8 5.5



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: 239.856 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 325087

Ion Ratio Lower Upper

43 100

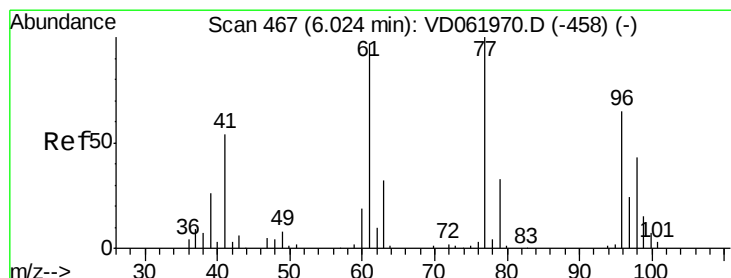
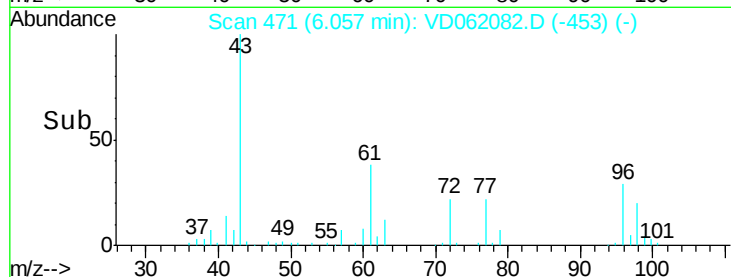
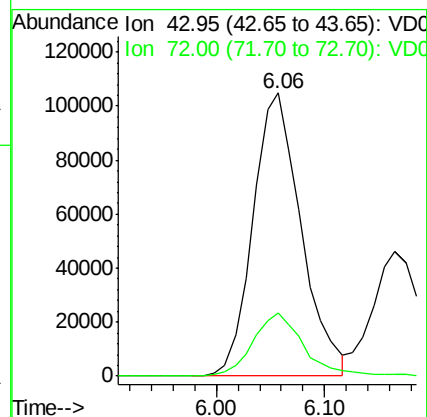
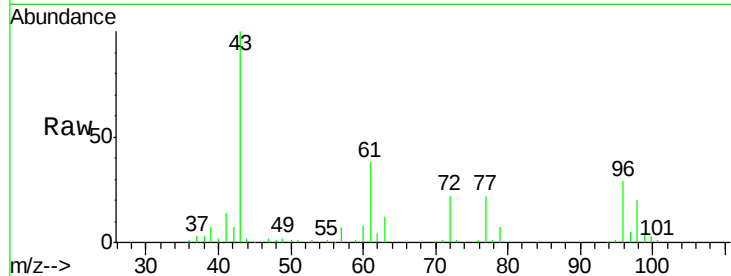
72 22.2 16.2 24.4

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#26

2,2-Dichloropropane

Concen: 51.803 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD062082.D

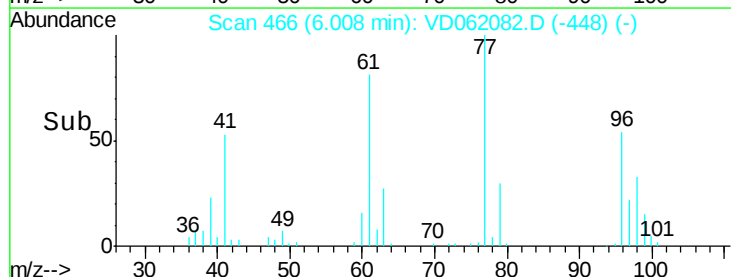
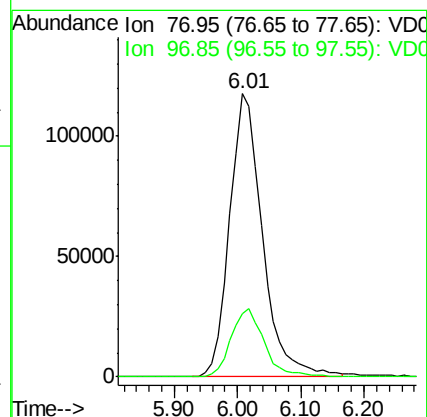
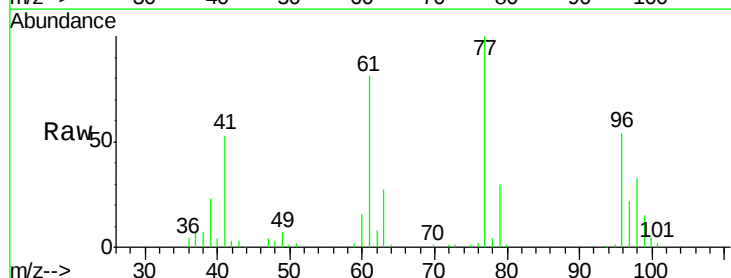
Acq: 30 Apr 2019 12:28

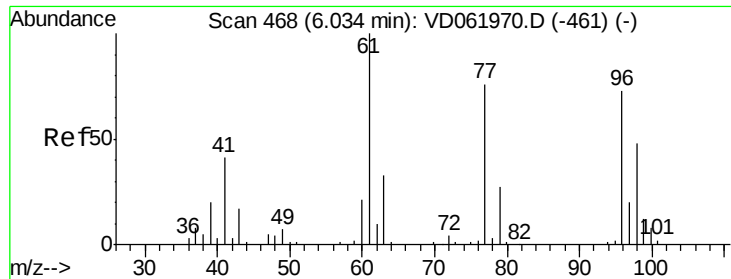
Tgt Ion: 77 Resp: 424601

Ion Ratio Lower Upper

77 100

97 22.2 11.9 35.9





#27

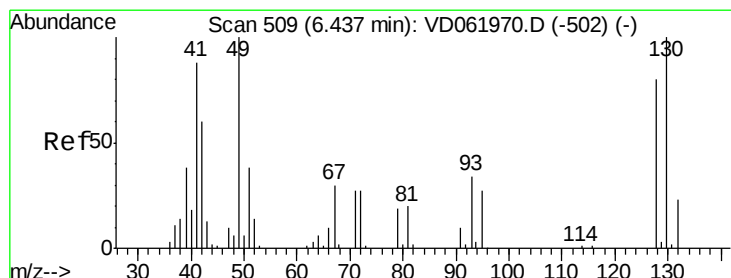
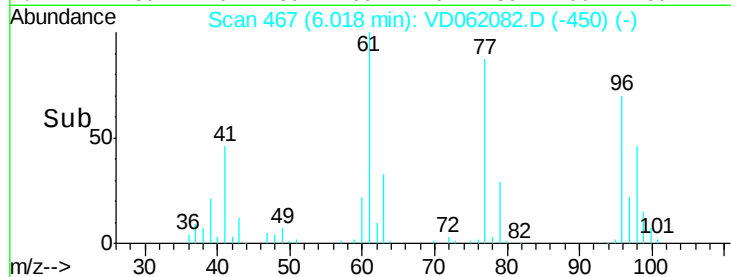
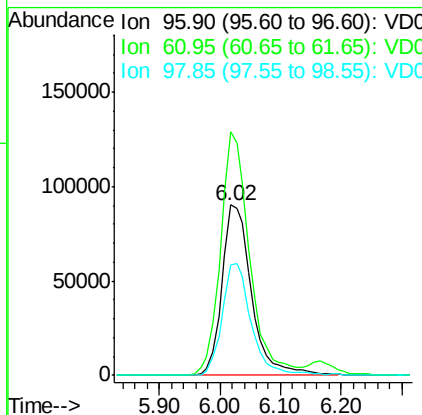
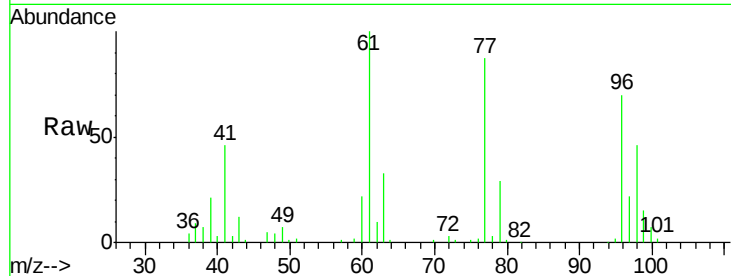
cis-1,2-Dichloroethene
Concen: 47.949 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	305117		
61	143.0	0.0	279.8	
98	65.2	0.0	136.0	

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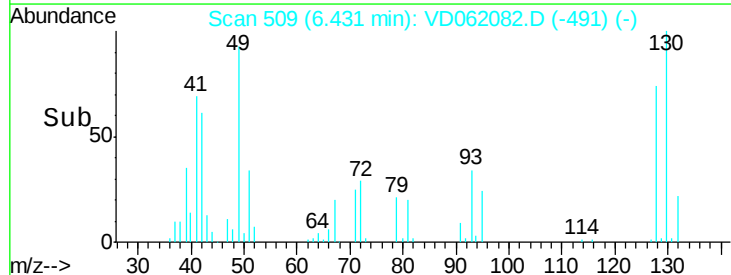
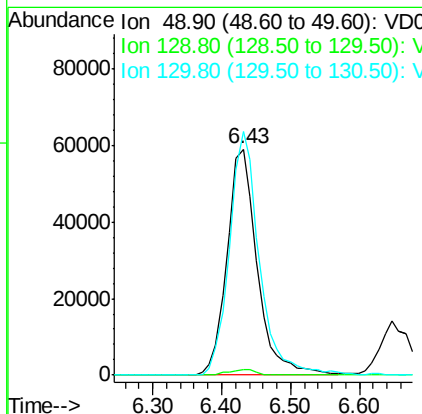
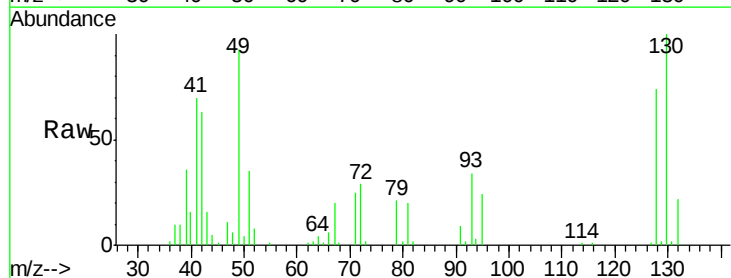
MMDadoda
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#28

Bromochloromethane
Concen: 49.909 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	179418		
129	2.2	0.0	6.6	
130	107.7	86.7	130.1	





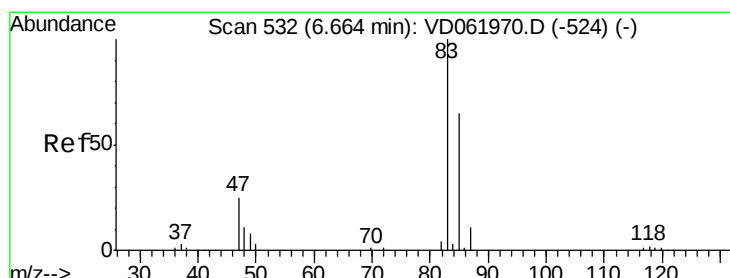
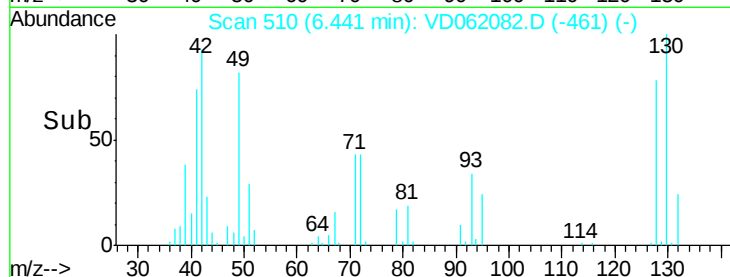
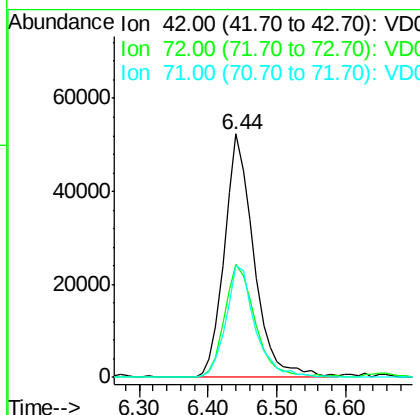
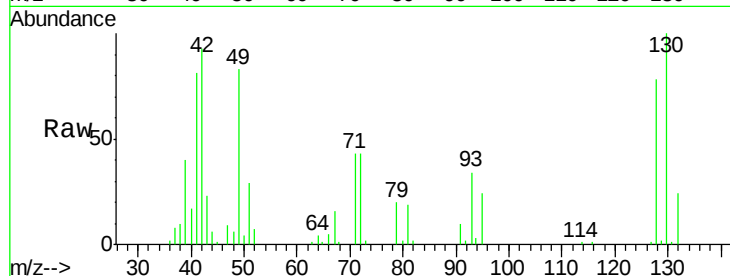
#29
Tetrahydrofuran
Concen: 233.008 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.8	56.6
71	45.3	36.7	55.1

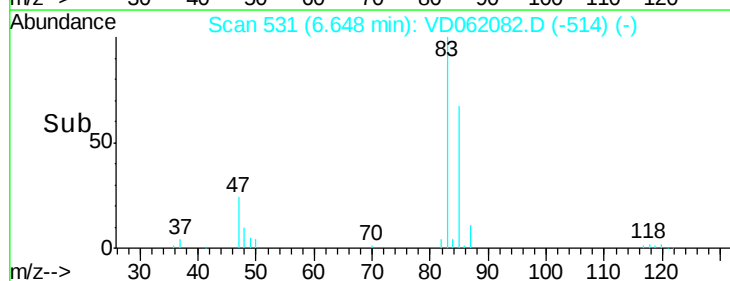
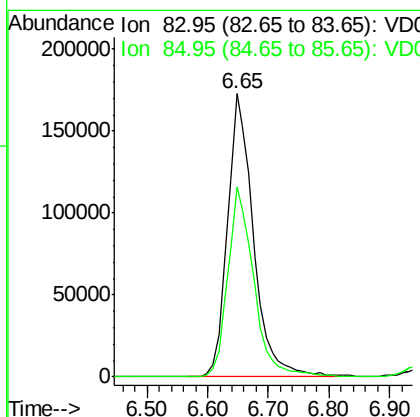
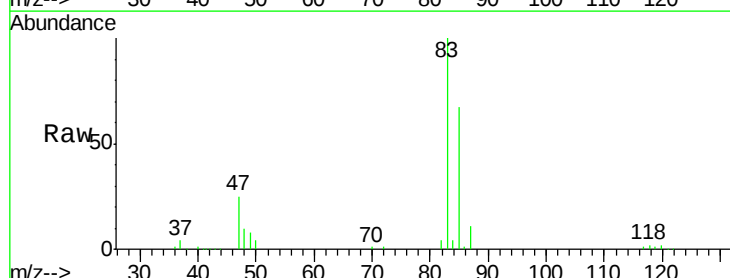
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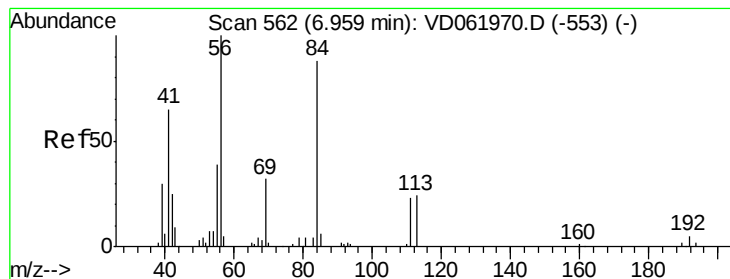
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#30
Chloroform
Concen: 48.249 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.03 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.7	77.5





#31

Cvclohexane

Concen: 46.500 ug/l

RT: 6.95 min Scan# 562

Delta R.T. -0.01 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

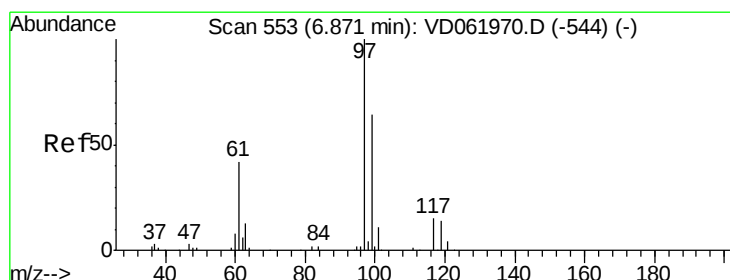
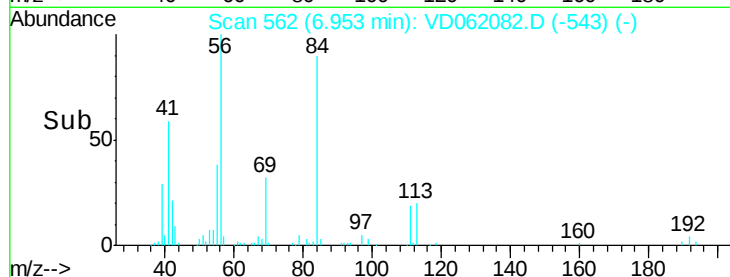
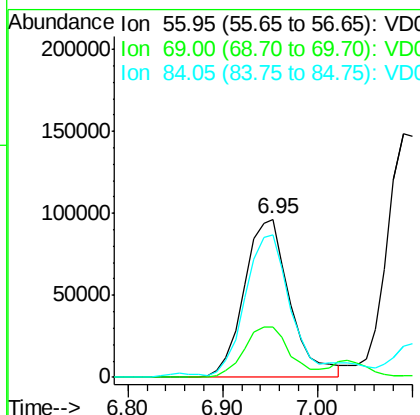
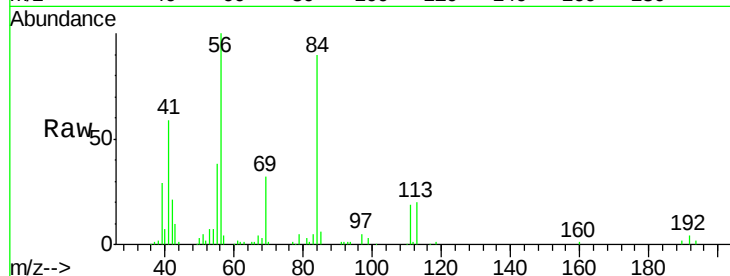
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	324276
Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.8	38.6
84	90.3	72.2	108.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.680 ug/l

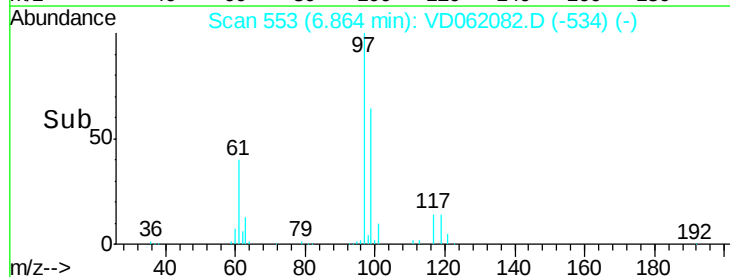
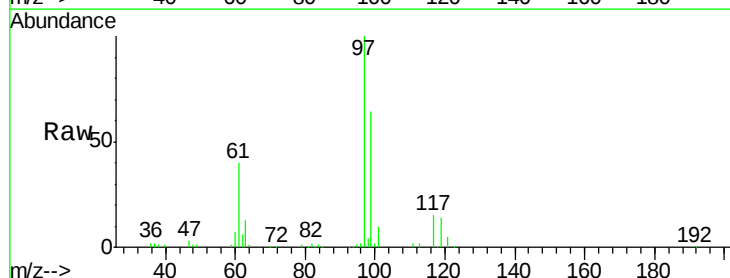
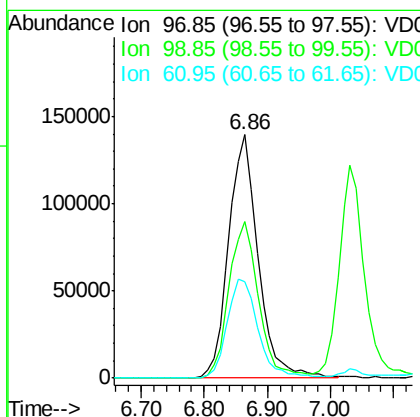
RT: 6.86 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Tgt Ion:	97	Resp:	451997
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.2	78.2
61	39.8	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 53.183 ug/l

RT: 7.44 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 248992

Ion Ratio Lower Upper

65 100

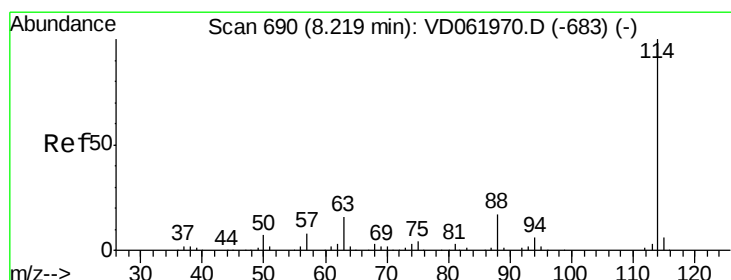
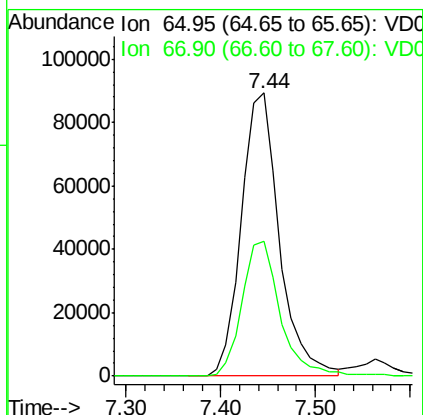
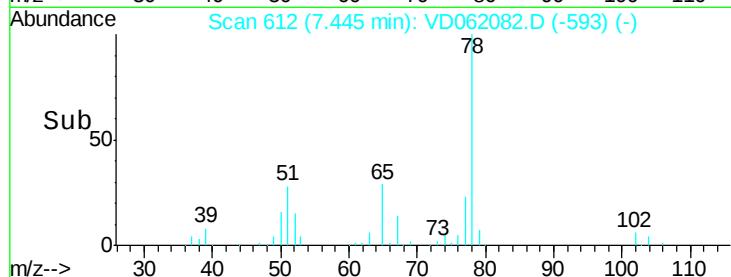
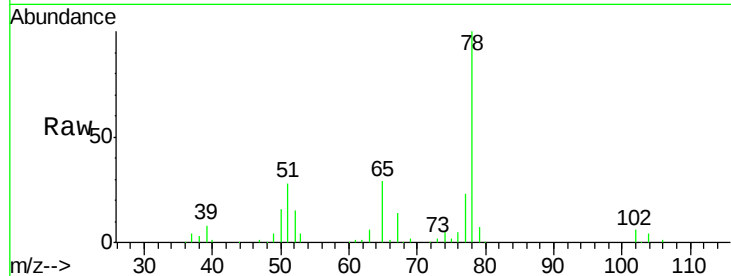
67 47.7 0.0 98.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

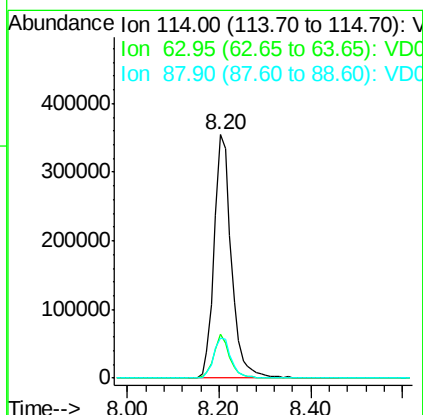
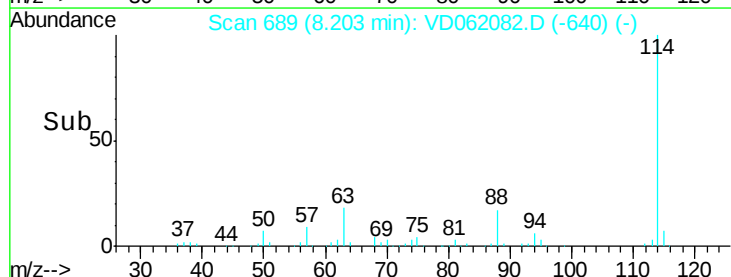
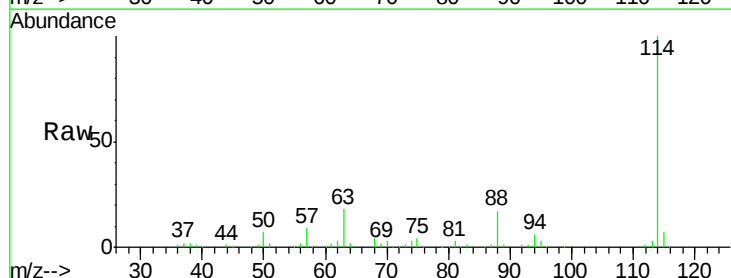
Tgt Ion: 114 Resp: 910476

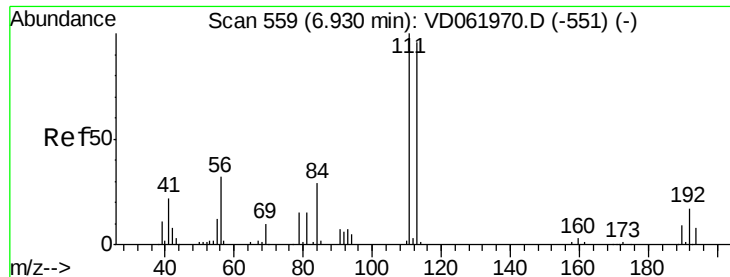
Ion Ratio Lower Upper

114 100

63 17.9 0.0 32.4

88 16.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 55.555 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

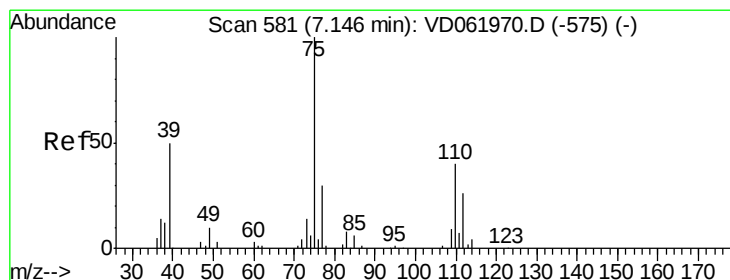
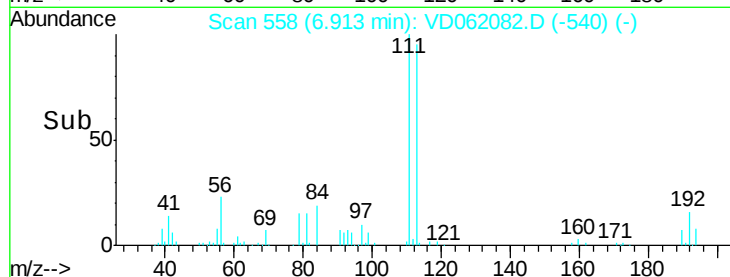
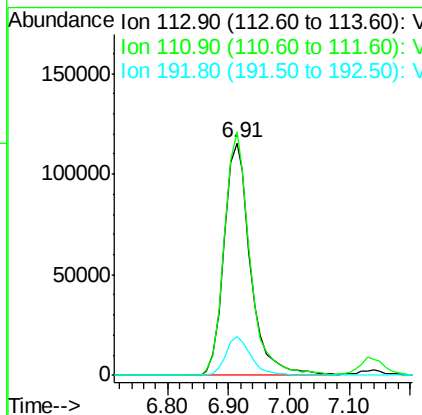
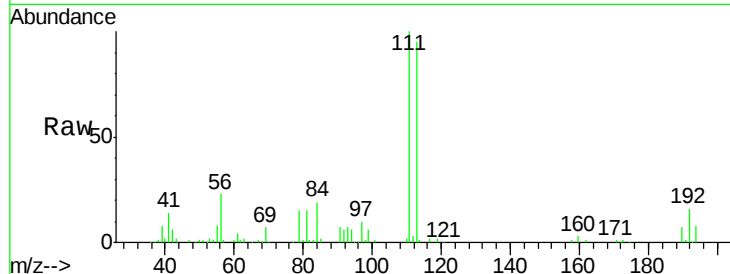
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	349819
Ion	Ratio	Lower	Upper
113	100		
111	104.9	78.5	117.7
192	16.8	13.0	19.4

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#36

1,1-Dichloropropene

Concen: 51.188 ug/l

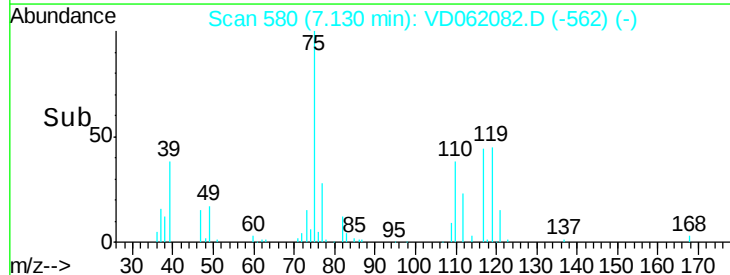
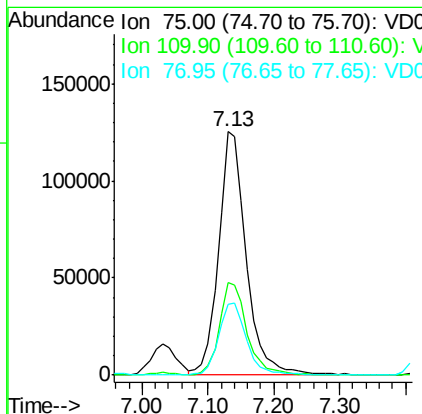
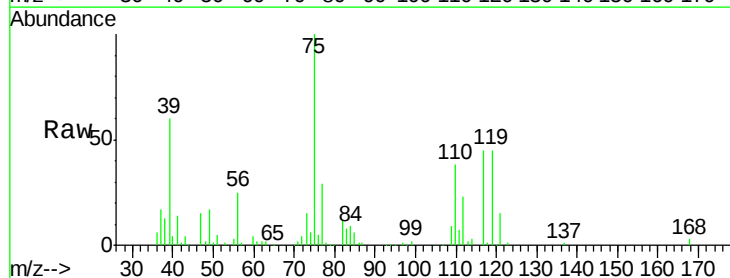
RT: 7.13 min Scan# 580

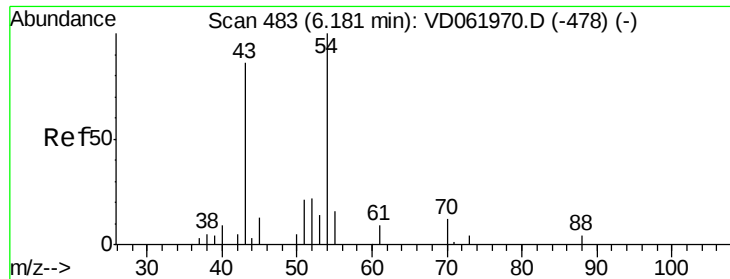
Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Tgt Ion:	75	Resp:	363105
Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.1	57.1
77	29.3	25.6	38.4





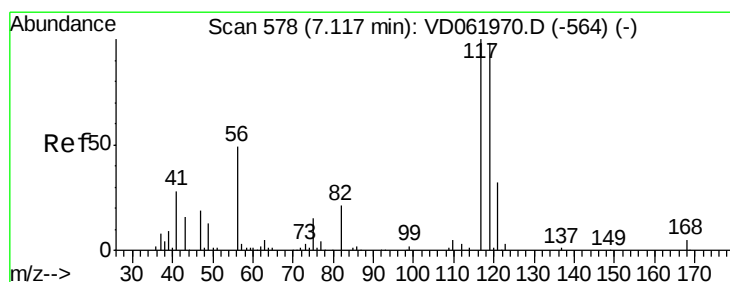
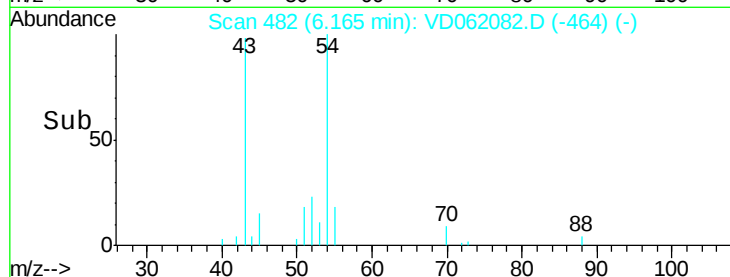
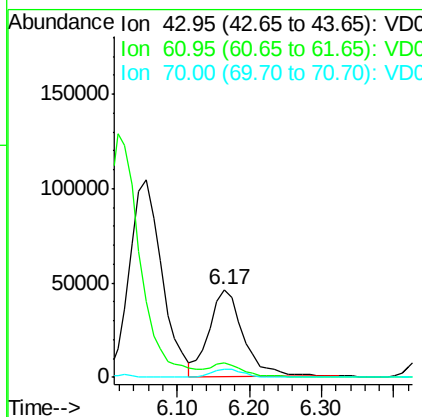
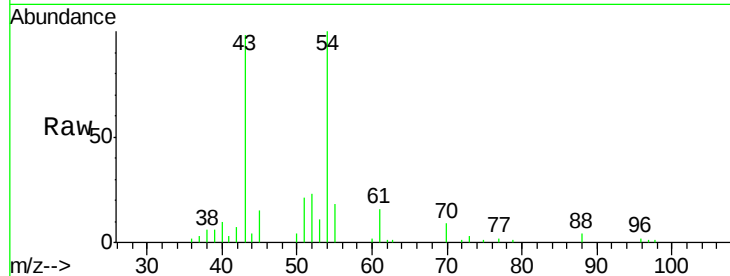
#37
Ethyl Acetate
Concen: 50.138 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.02 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	14.7	22.1
70	9.3	7.8	11.6

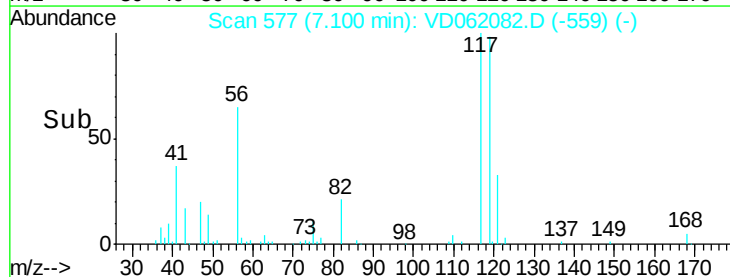
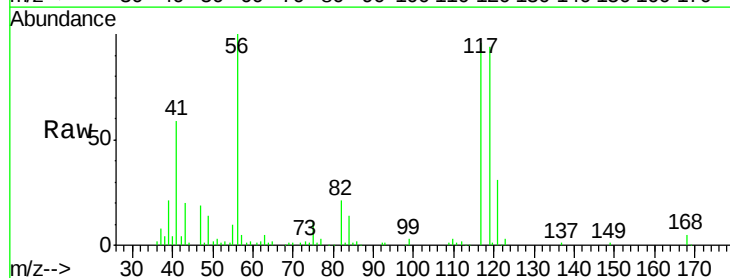
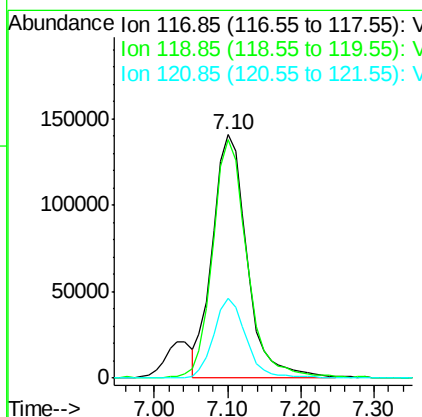
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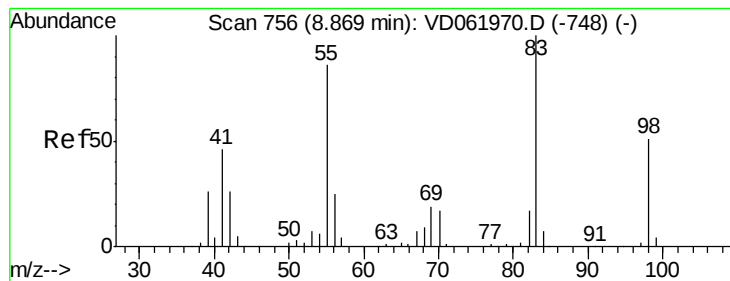
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#38
Carbon Tetrachloride
Concen: 51.817 ug/l m
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.8	113.8
121	32.8	25.9	38.9





#39

Methvlcvclohexane

Concen: 57.934 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

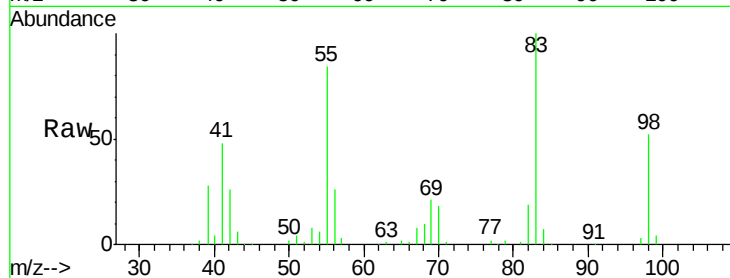
ClientSampleId :

VSTDCCC050

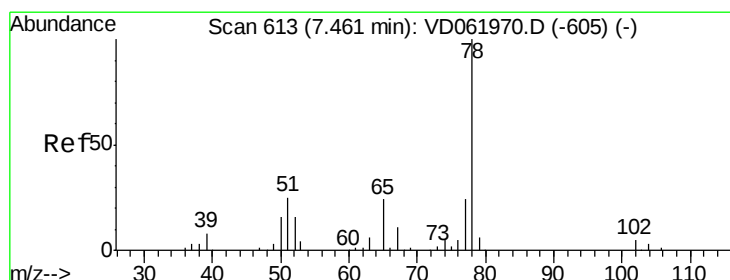
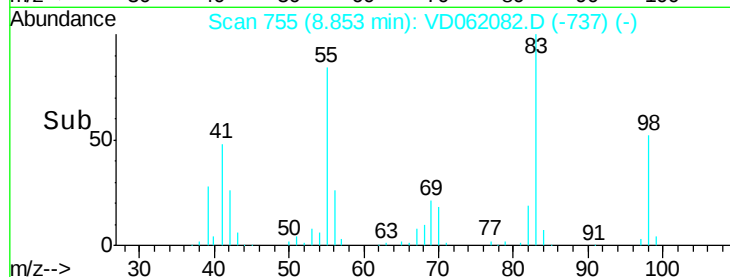
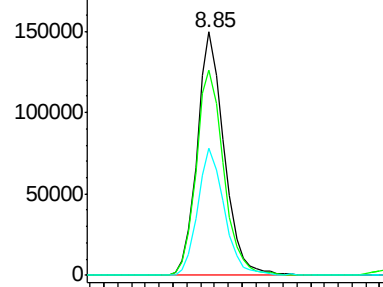
Tot Ion:	83	Resp:	405464
Ion	Ratio	Lower	Upper
83	100		
55	84.0	68.2	102.4
98	52.2	38.2	57.4

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



#40

Benzene

Concen: 49.880 ug/l

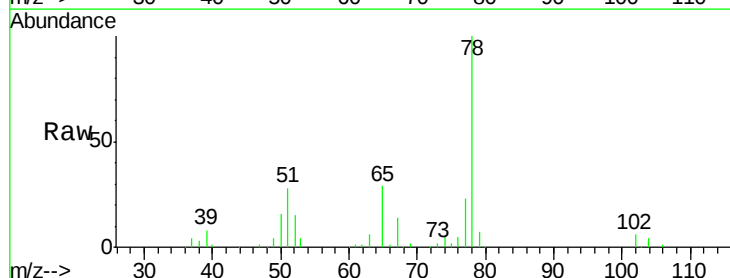
RT: 7.44 min Scan# 612

Delta R.T. -0.02 min

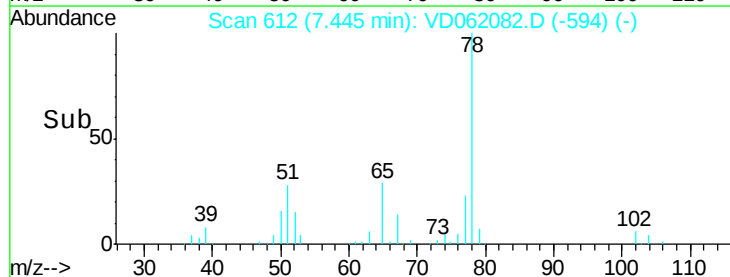
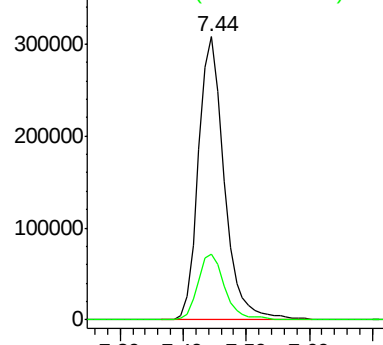
Lab File: VD062082.D

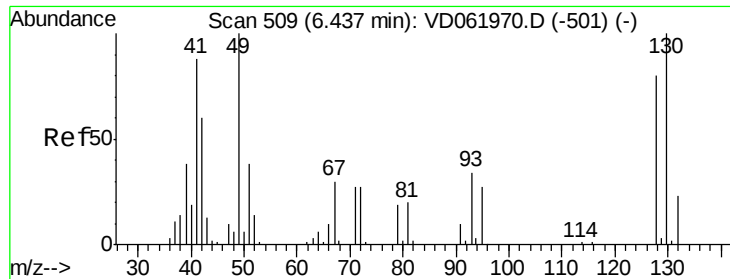
Acq: 30 Apr 2019 12:28

Tgt Ion:	78	Resp:	875968
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.7	29.5



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





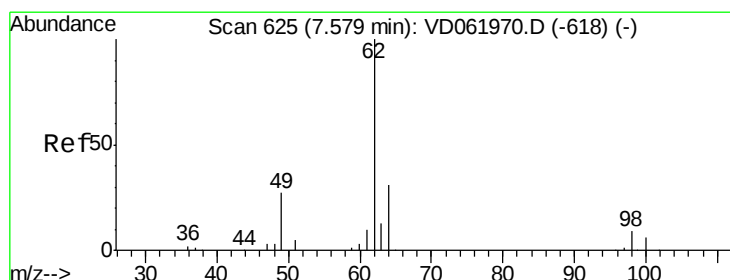
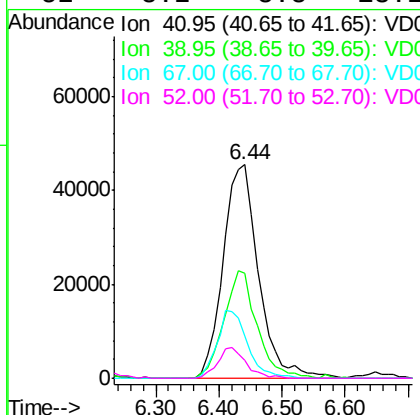
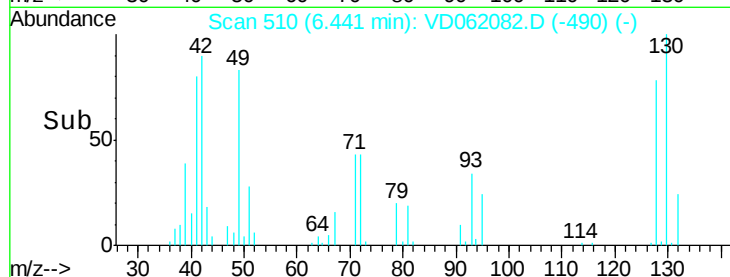
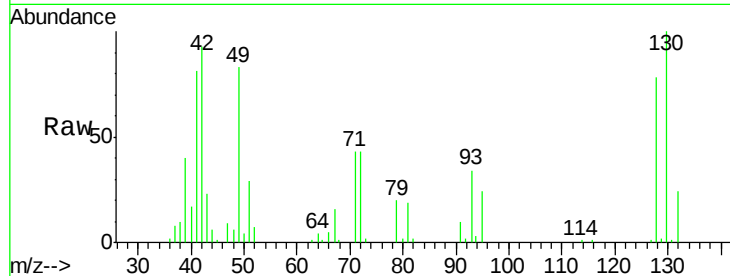
#41
Methacrylonitrile
Concen: 50.116 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.4	34.1	51.1
67	19.7	23.8	35.6#
52	8.2	8.8	13.2#

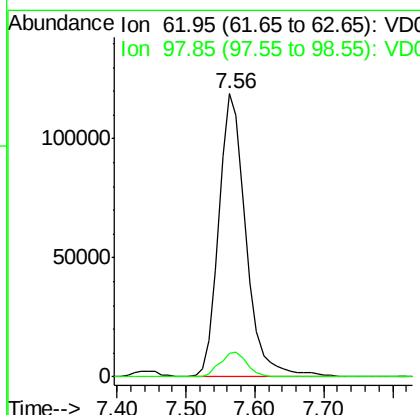
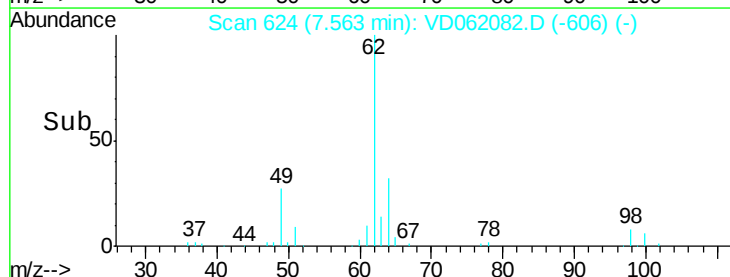
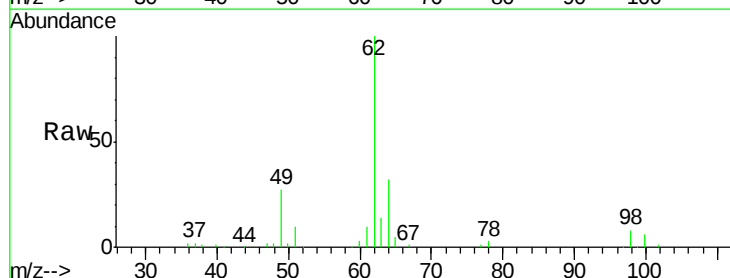
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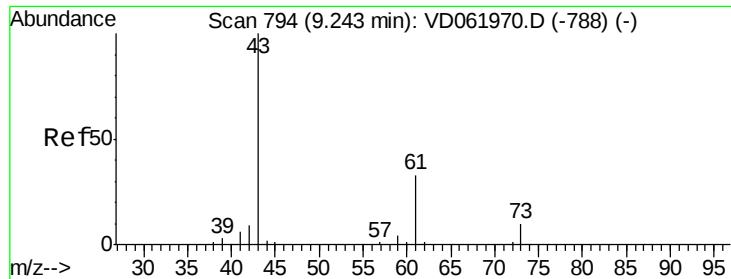
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.475 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.02 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.8





#43

Isopropyl Acetate

Concen: 50.038 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

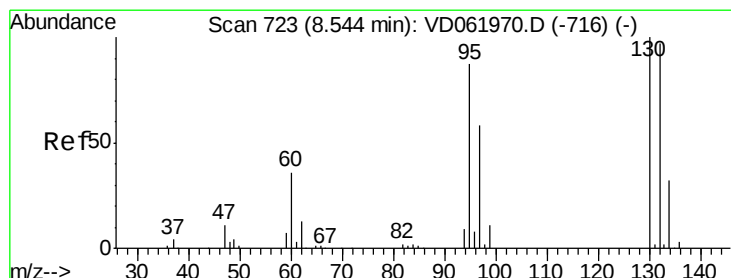
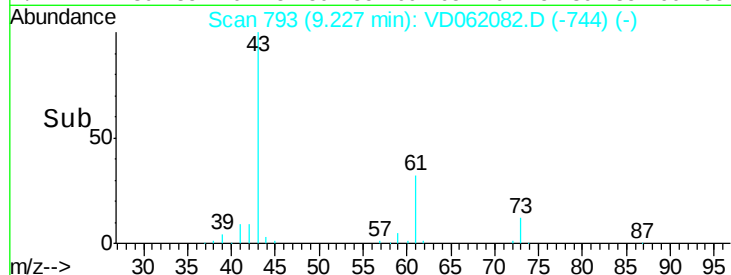
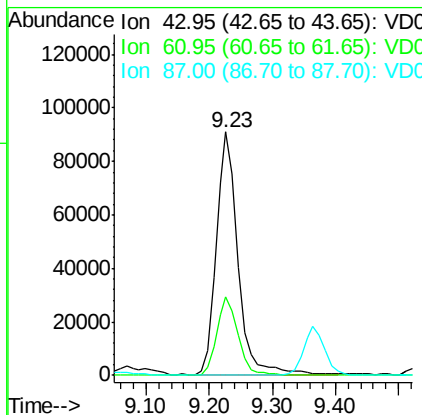
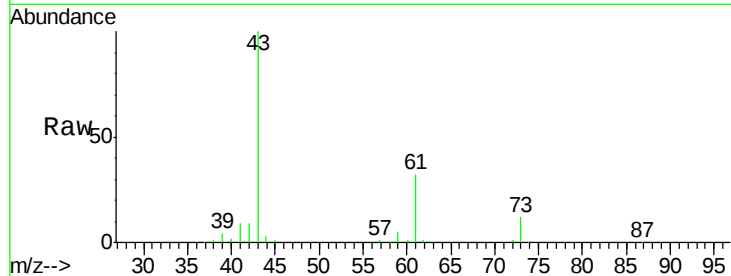
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	221005
Ion	Ratio	Lower	Upper
43	100		
61	32.1	25.1	37.7
87	0.4	0.0	0.0

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#44

Trichloroethene

Concen: 54.095 ug/l

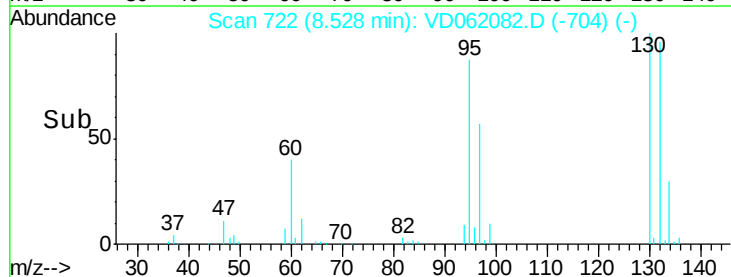
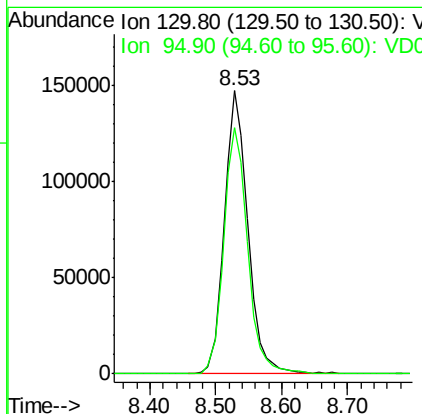
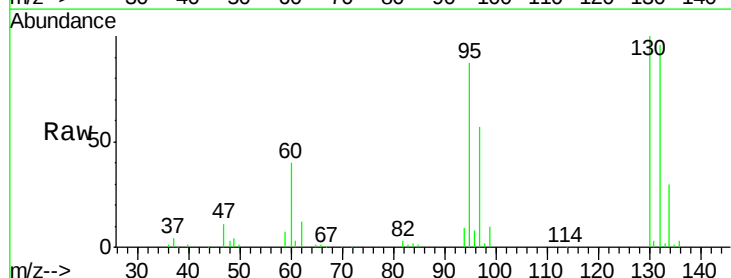
RT: 8.53 min Scan# 722

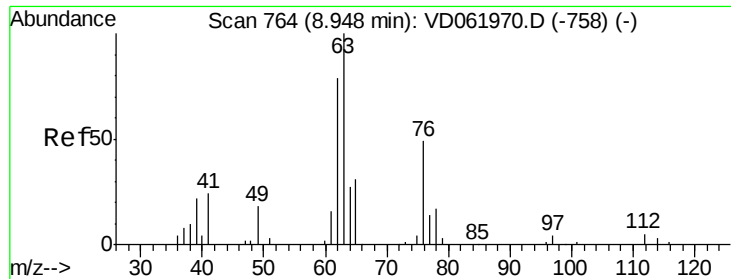
Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Tgt Ion:	130	Resp:	368293
Ion	Ratio	Lower	Upper
130	100		
95	87.0	0.0	174.0





#45

1,2-Dichloropropane

Concen: 52.666 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 234633

Ion Ratio Lower Upper

63 100

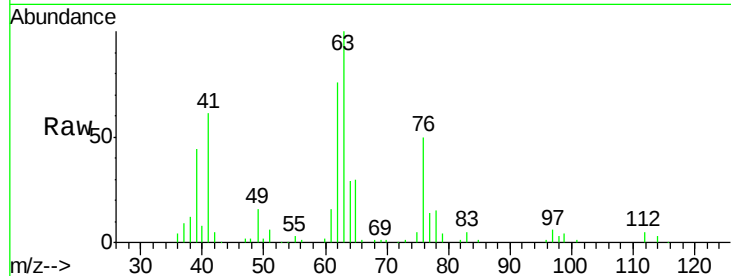
65 29.9 23.8 35.6

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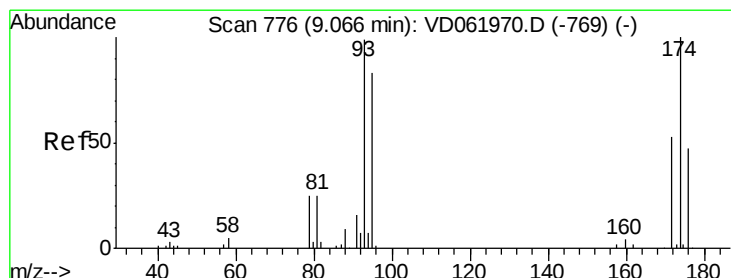
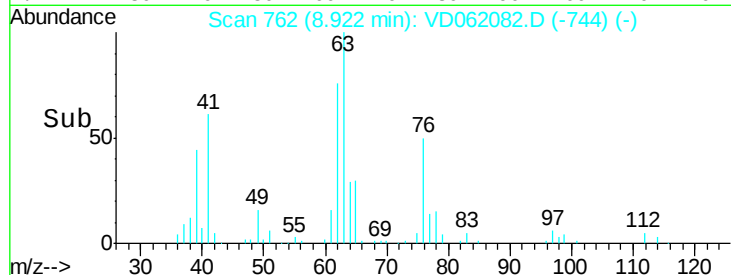
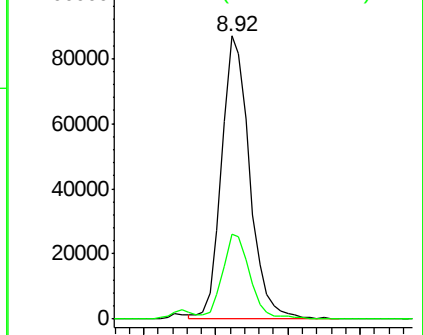
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.189 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

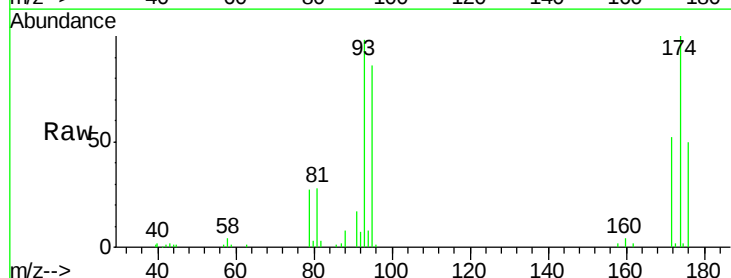
Tgt Ion: 93 Resp: 167304

Ion Ratio Lower Upper

93 100

95 88.3 64.8 97.2

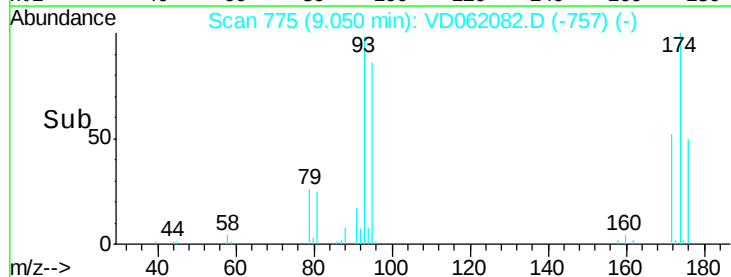
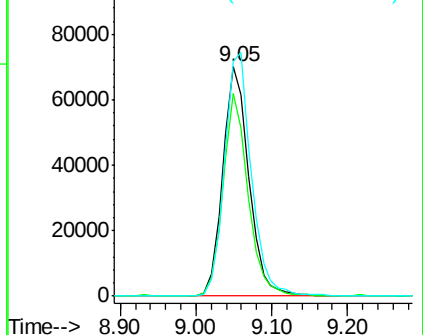
174 102.3 79.3 118.9

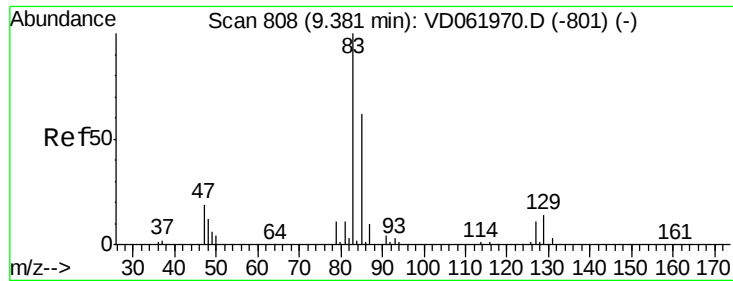


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 53.086 ug/l

RT: 9.36 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

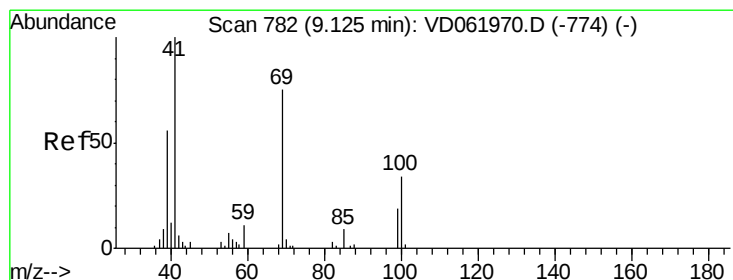
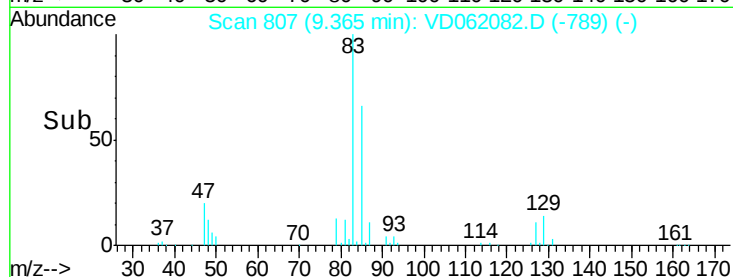
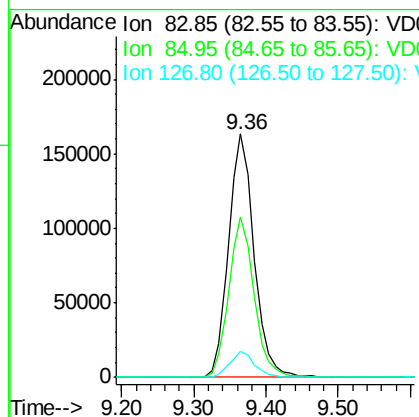
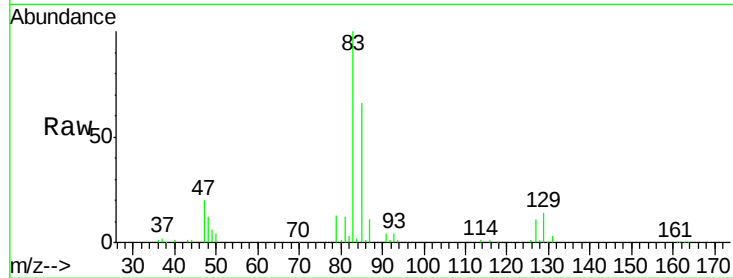
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	402106
Ion Ratio	Lower	Upper	
83	100		
85	65.7	50.9	76.3
127	10.6	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.881 ug/l

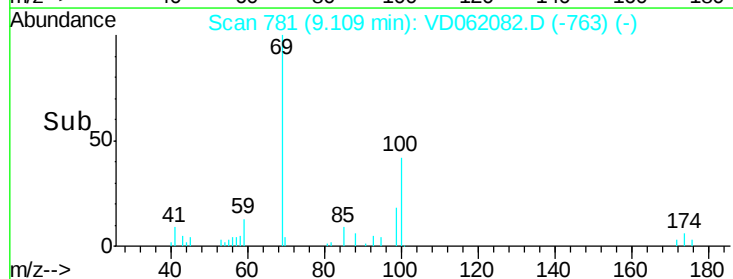
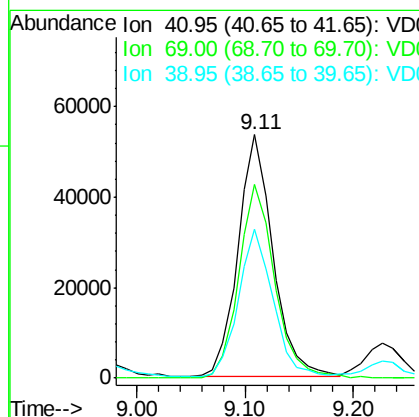
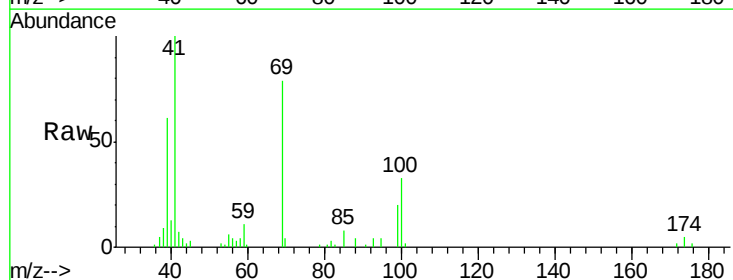
RT: 9.11 min Scan# 781

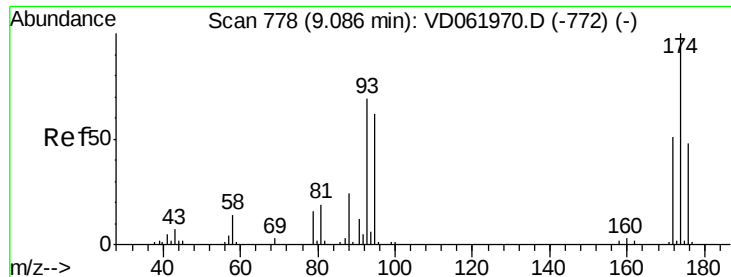
Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Tgt Ion:	41	Resp:	120661
Ion Ratio	Lower	Upper	
41	100		
69	79.4	64.2	96.2
39	61.3	46.8	70.2





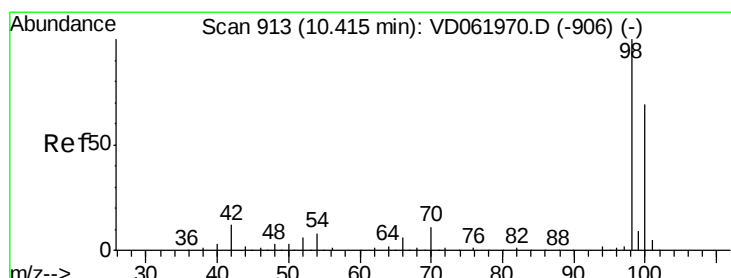
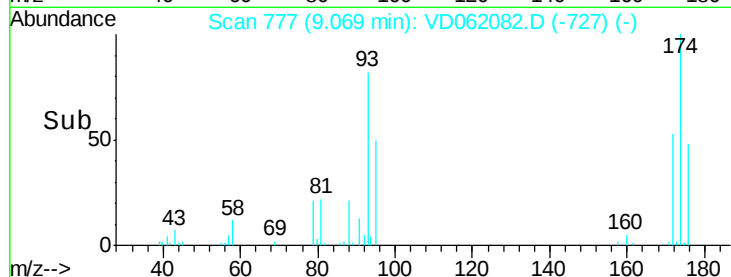
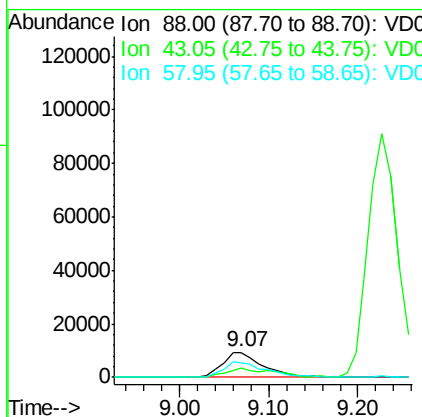
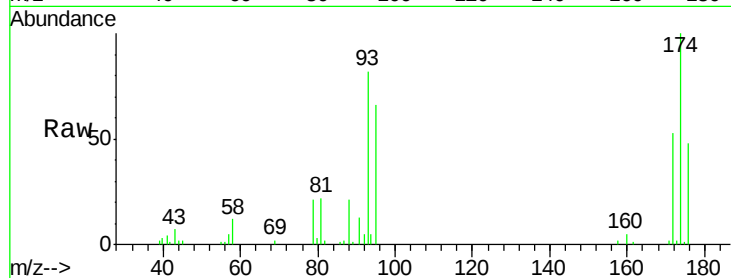
#49
1,4-Dioxane
Concen: 1073.658 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	23.4	35.0#
58	57.9	44.0	66.0

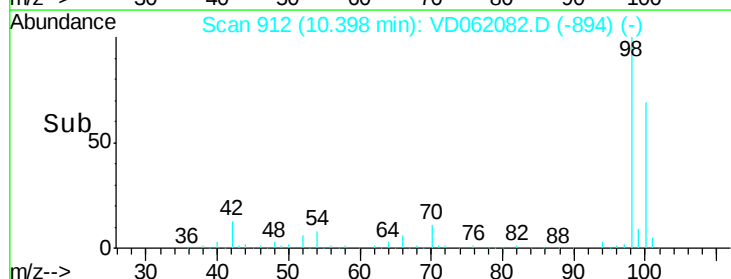
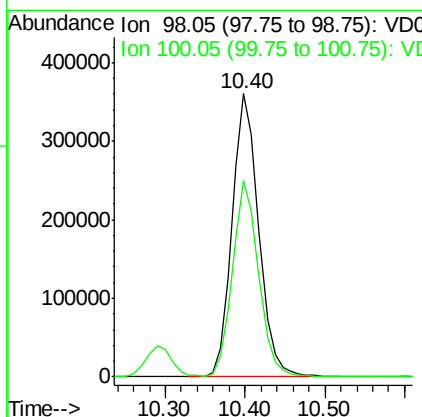
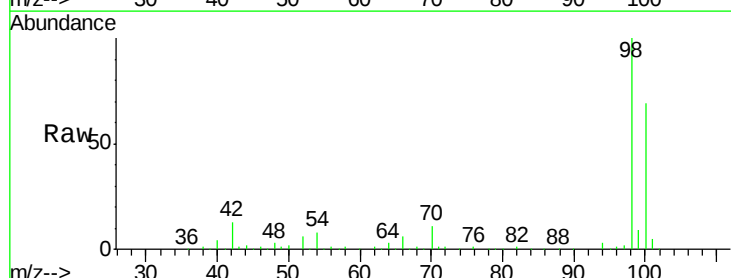
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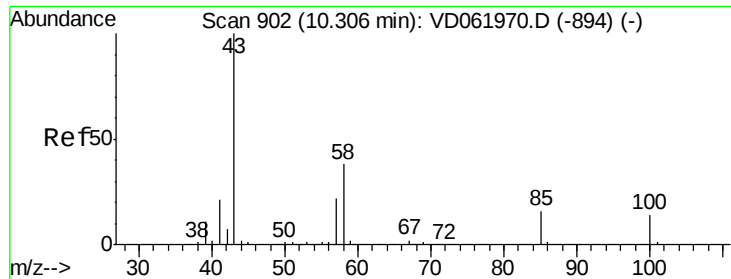
MMDadoda
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#50
Toluene-d8
Concen: 56.088 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 270.818 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 731511

Ion Ratio Lower Upper

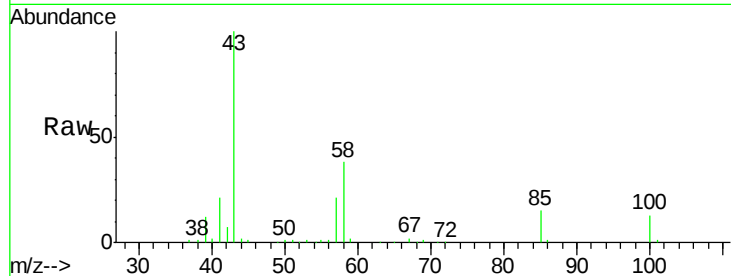
43 100

58 37.7 30.4 45.6

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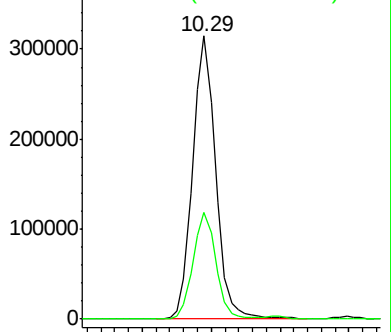
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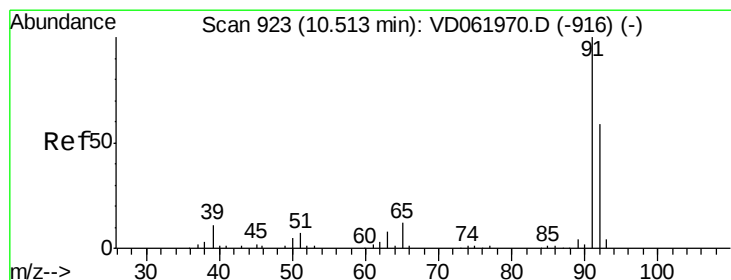
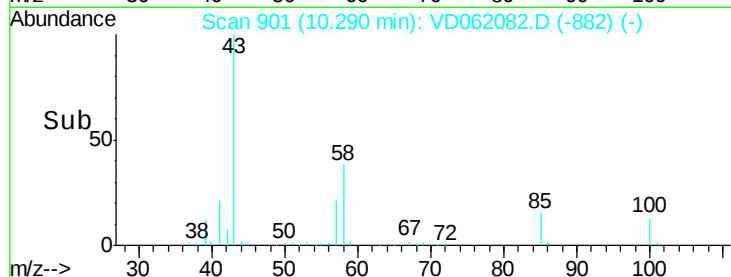


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 52.496 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD062082.D

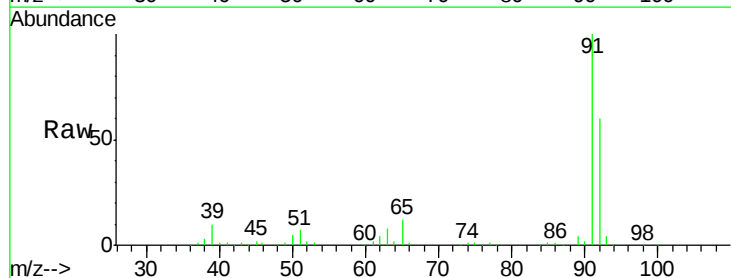
Acq: 30 Apr 2019 12:28

Tgt Ion: 92 Resp: 587814

Ion Ratio Lower Upper

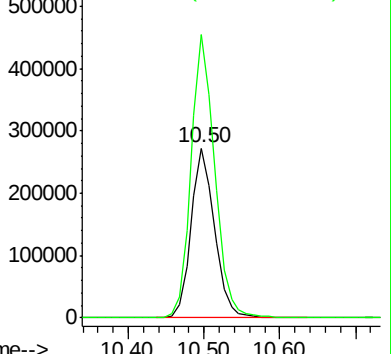
92 100

91 166.6 136.6 204.8

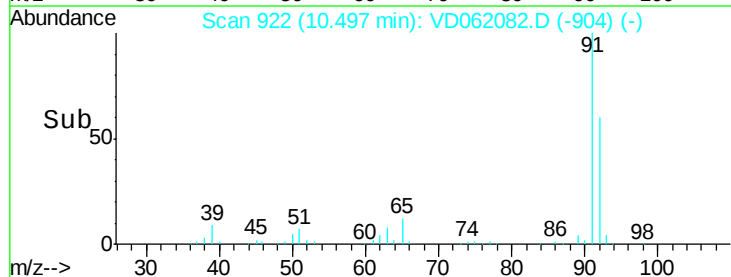


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





#53

t-1,3-Dichloropropene

Concen: 58.898 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Tot Ion: 75 Resp: 374473

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

Instrument :

MSVOA_D

ClientSampleId :

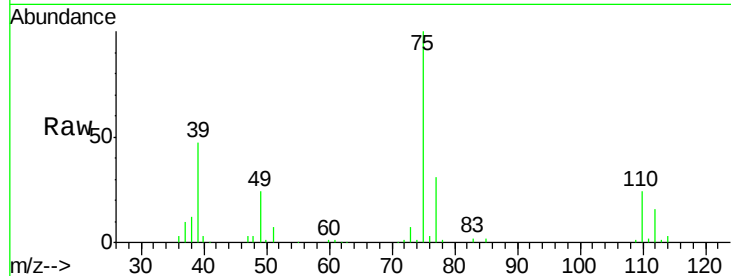
VSTDCCC050

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.90

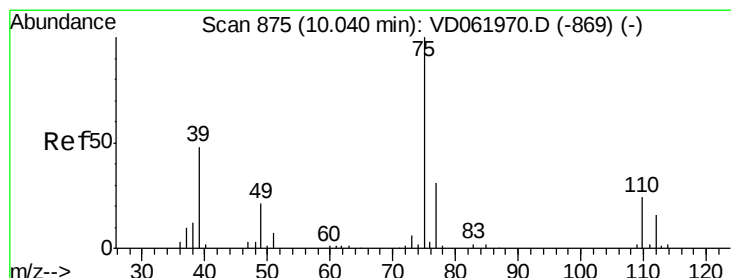
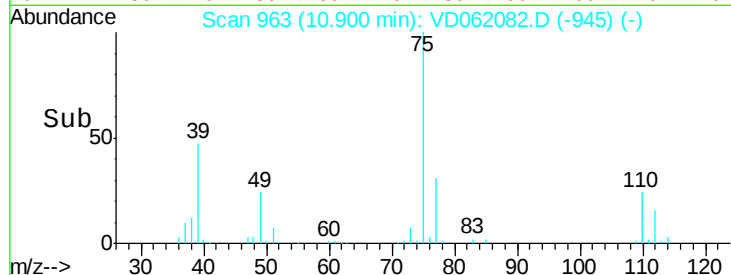
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 57.447 ug/l

RT: 10.02 min Scan# 874

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

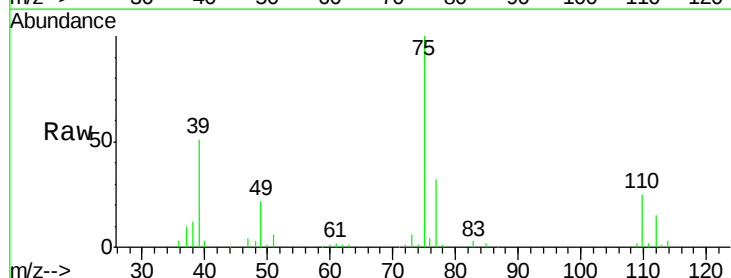
Tgt Ion: 75 Resp: 444233

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

39 51.1 39.4 59.2



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

10.02

250000

200000

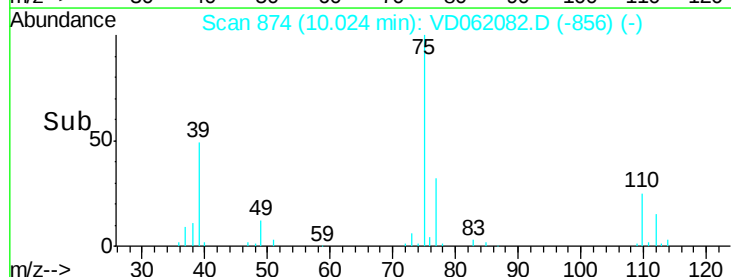
150000

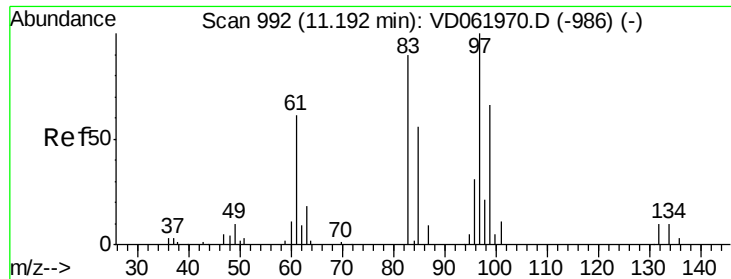
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 55.203 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 207519

Ion Ratio Lower Upper

97 100

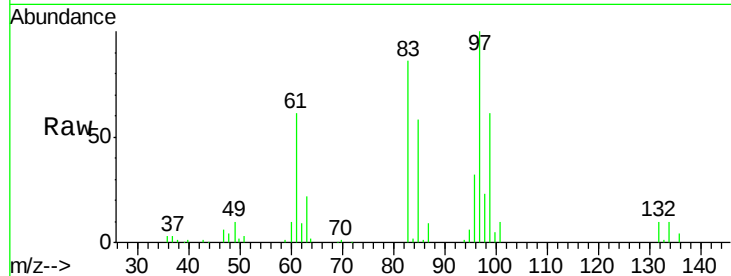
83 85.8 65.7 98.5

85 58.0 45.6 68.4

99 60.7 48.4 72.6

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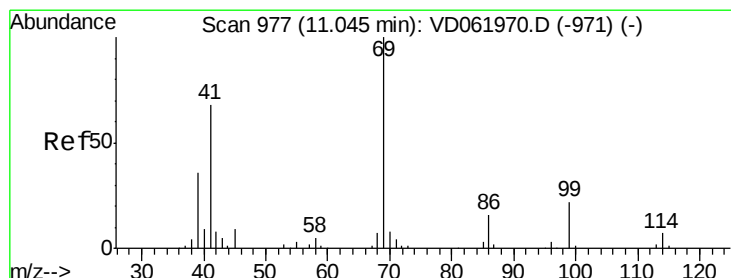
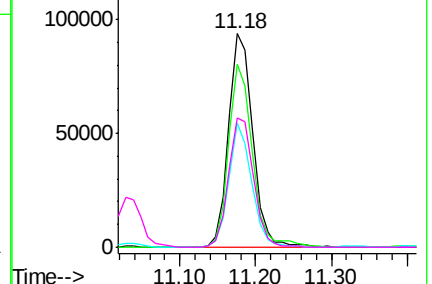
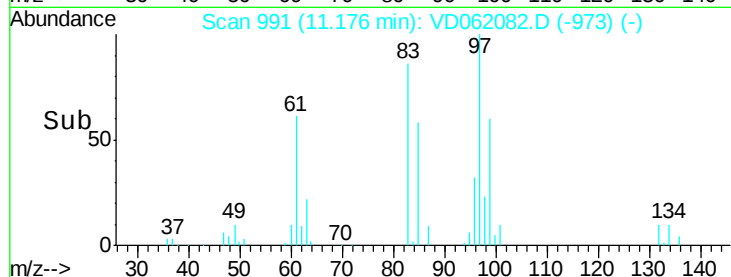


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 52.133 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.02 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

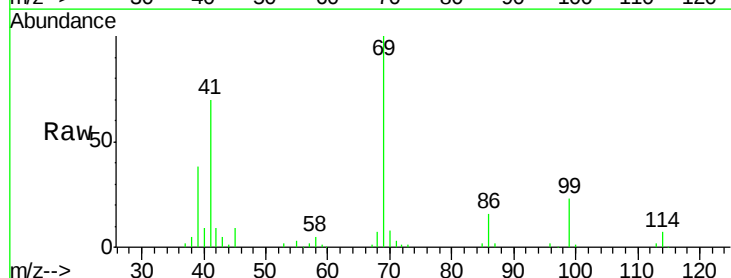
Tgt Ion: 69 Resp: 217056

Ion Ratio Lower Upper

69 100

41 69.9 56.3 84.5

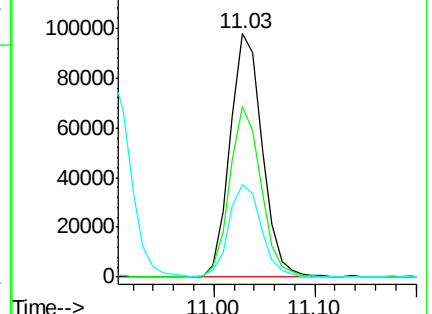
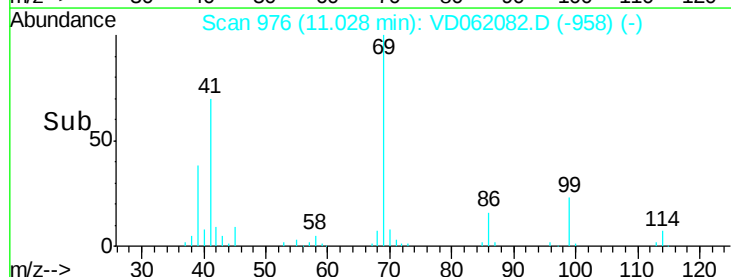
39 38.1 29.4 44.2

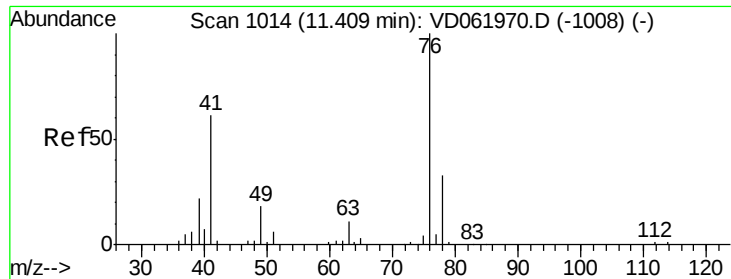


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





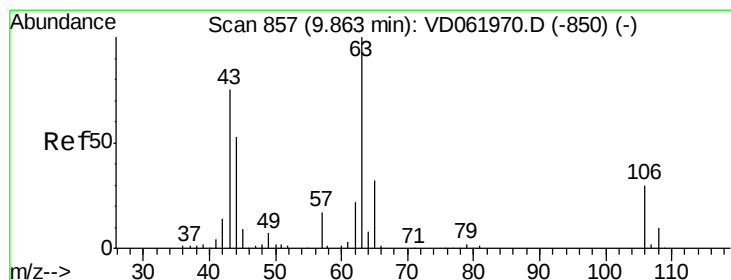
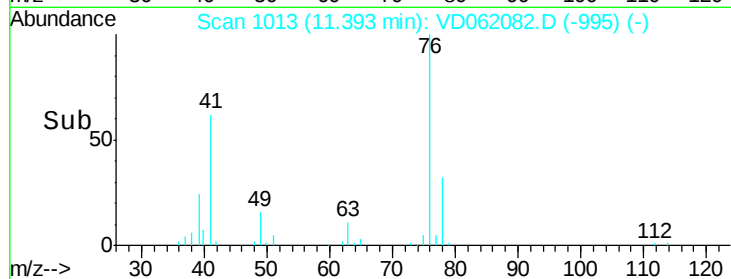
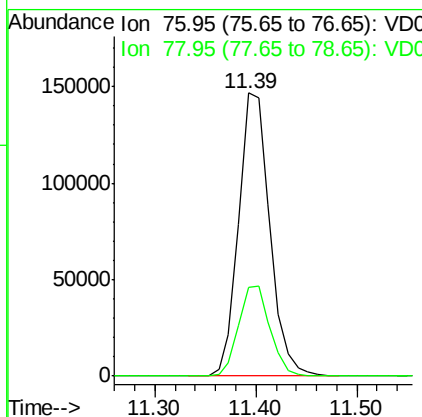
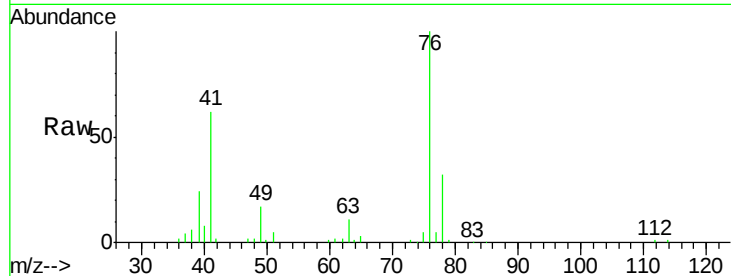
#57
 1,3-Dichloropropane
 Concen: 54.407 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.02 min
 Lab File: VD062082.D
 Acq: 30 Apr 2019 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 315888
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.2 39.2

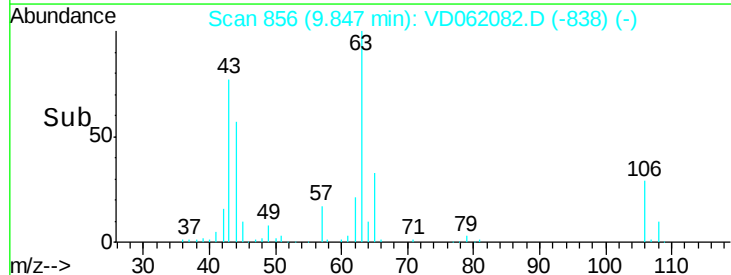
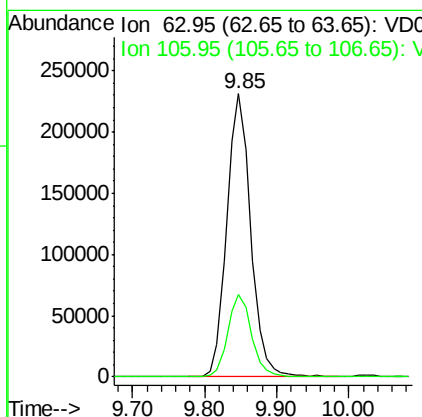
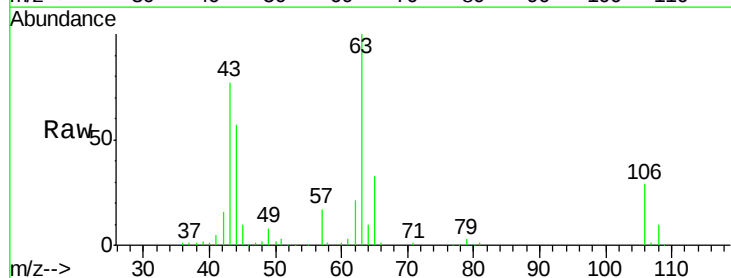
Manual Integrations
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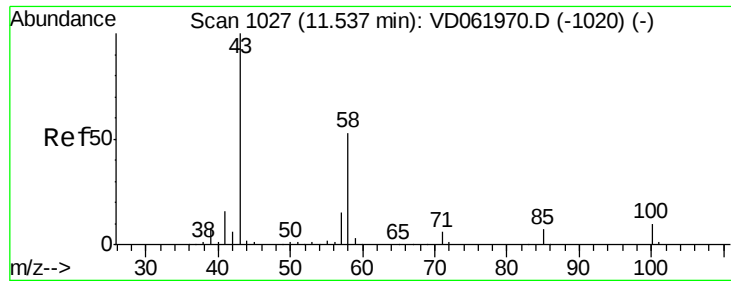
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 275.319 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.02 min
 Lab File: VD062082.D
 Acq: 30 Apr 2019 12:28

Tgt Ion: 63 Resp: 532937
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.6 34.0





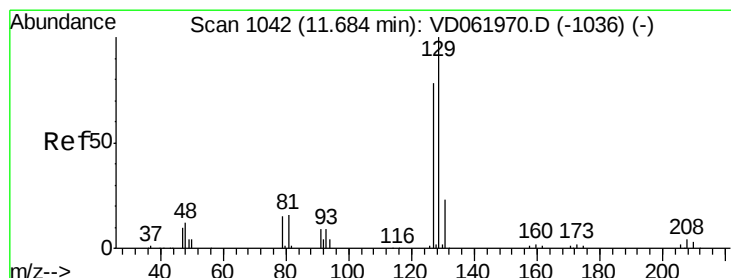
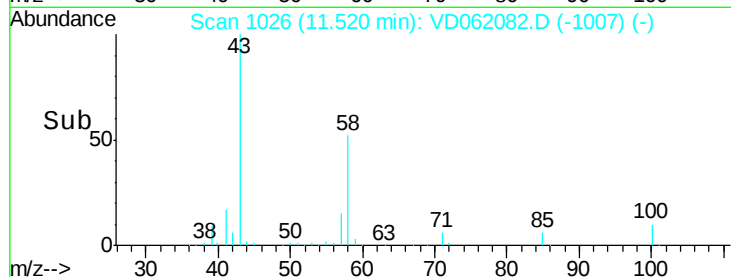
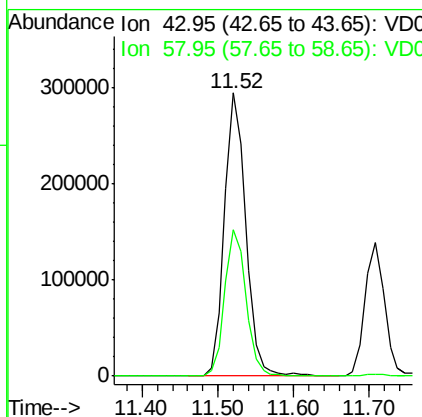
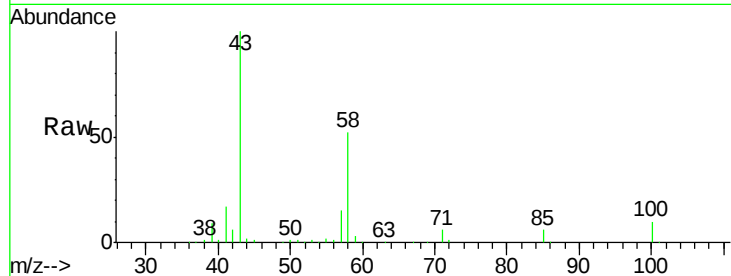
#59
2-Hexanone
Concen: 285.120 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 577716
Ion Ratio Lower Upper
43 100
58 51.6 25.4 76.4

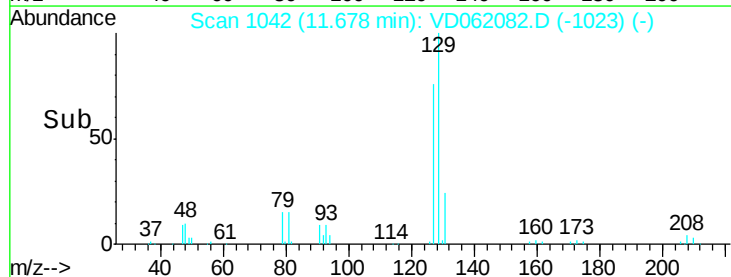
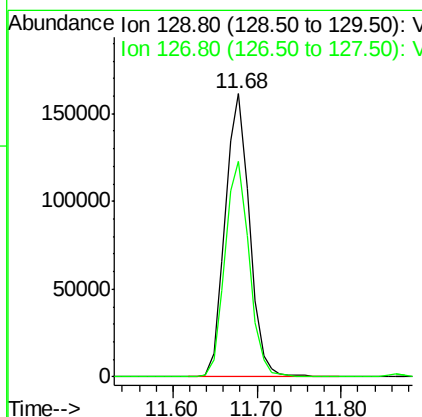
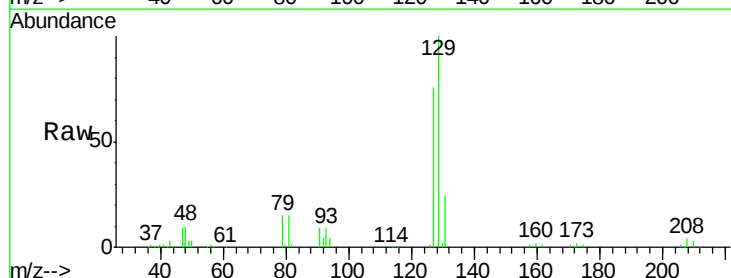
Manual Integrations
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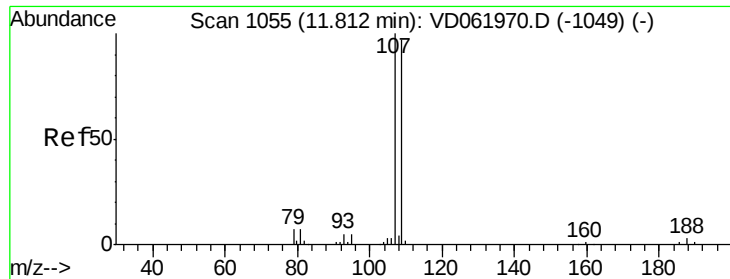
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#60
Dibromochloromethane
Concen: 52.170 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion: 129 Resp: 324500
Ion Ratio Lower Upper
129 100
127 76.2 38.0 113.9





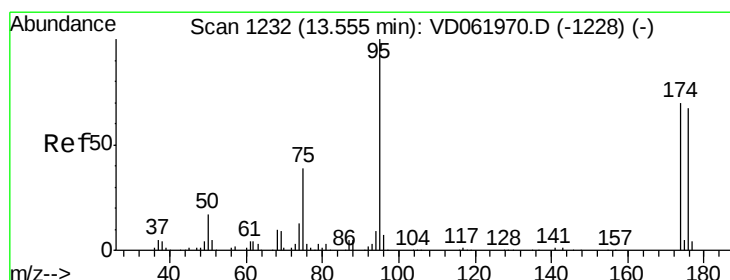
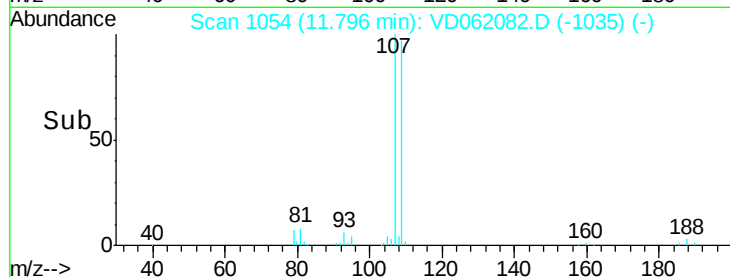
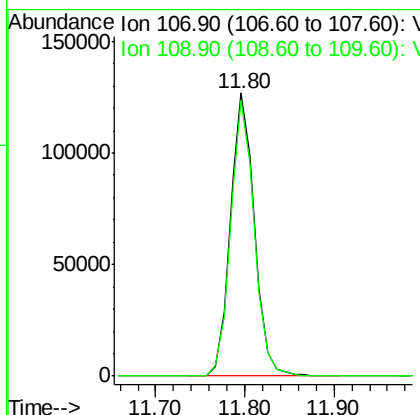
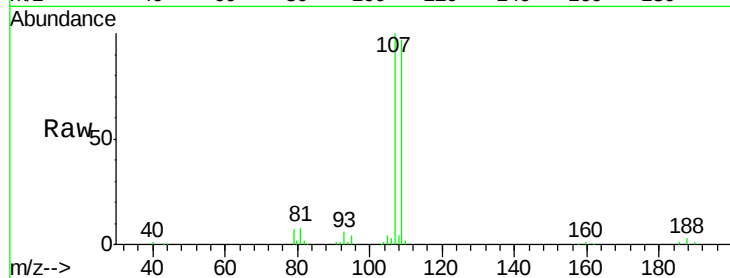
#61
 1,2-Dibromoethane
 Concen: 53.852 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062082.D
 Acq: 30 Apr 2019 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.3	78.3	117.5

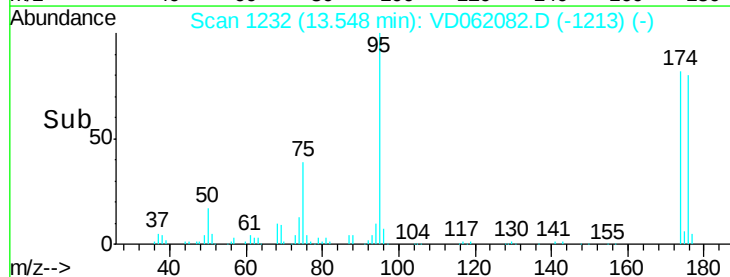
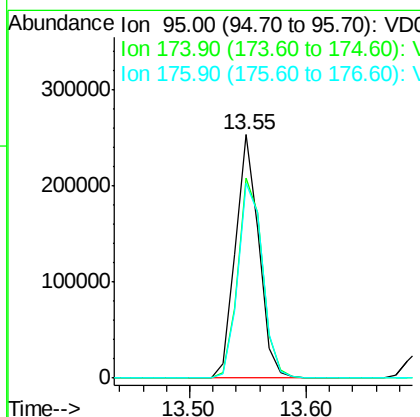
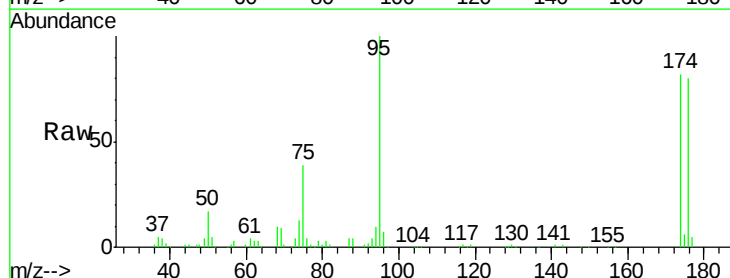
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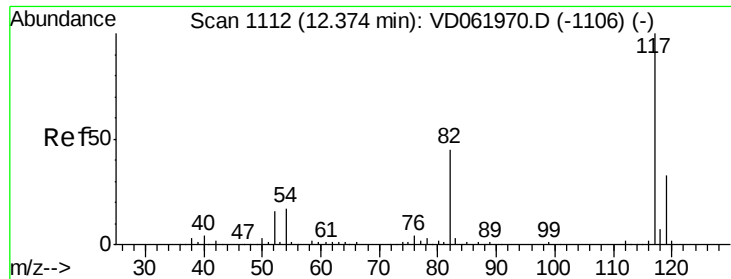
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#62
 4-Bromofluorobenzene
 Concen: 58.223 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD062082.D
 Acq: 30 Apr 2019 12:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	181.8
176	80.3	0.0	174.4





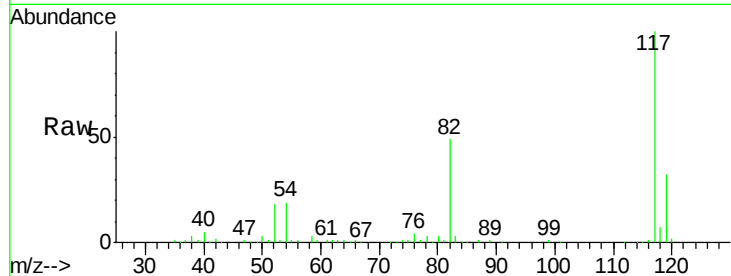
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

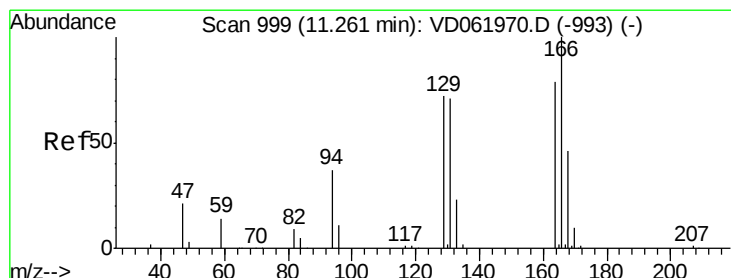
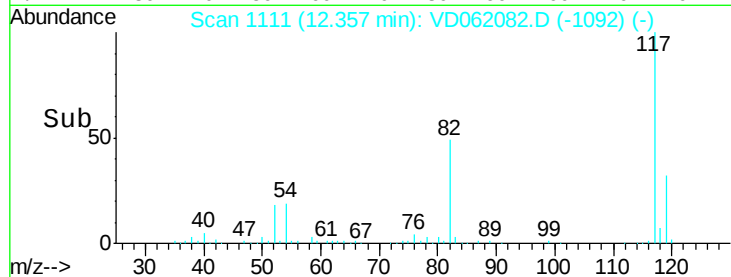
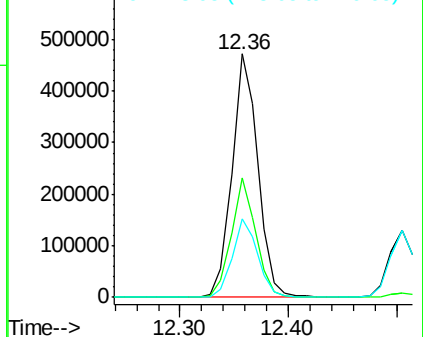
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.9	36.2	54.2
119	32.4	26.2	39.4

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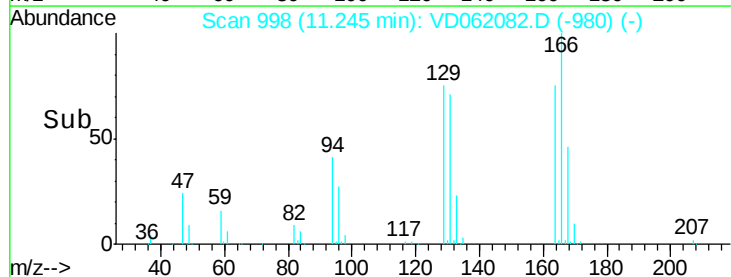
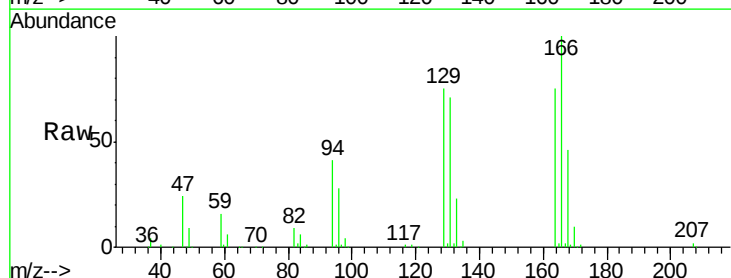
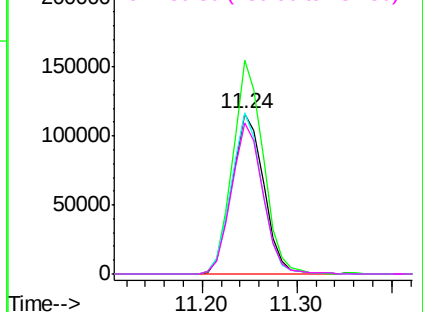
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

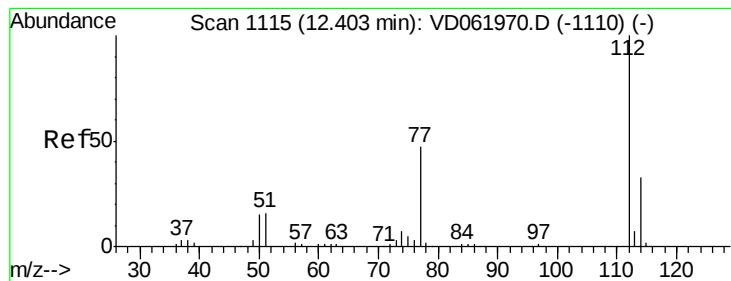


#64
Tetrachloroethene
Concen: 48.627 ug/l
RT: 11.24 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.2	101.5	152.3
129	100.4	74.6	112.0
131	94.5	72.6	108.8

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





#65

Chlorobenzene

Concen: 46.498 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 687759

Ion Ratio Lower Upper

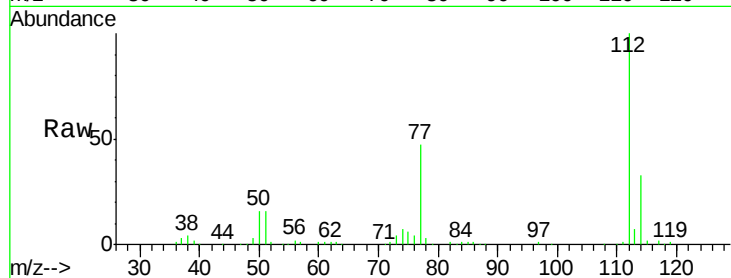
112 100

114 33.4 25.8 38.8

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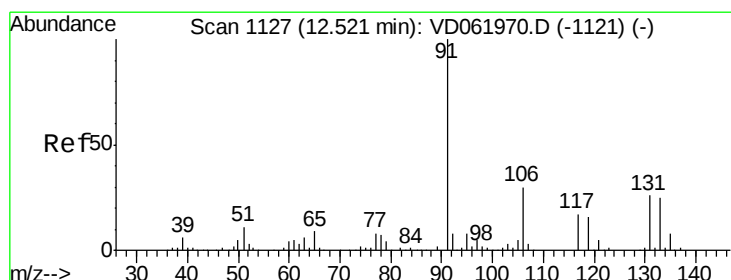
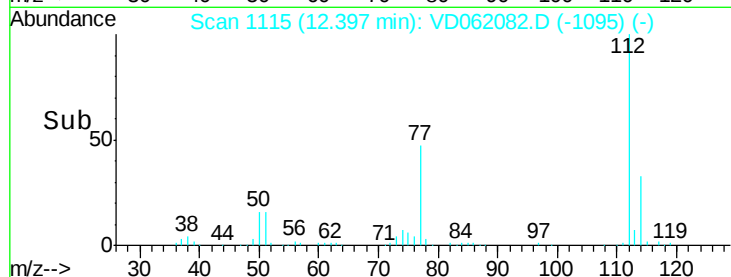
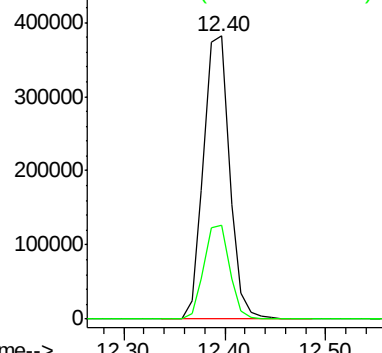
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.959 ug/l

RT: 12.50 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

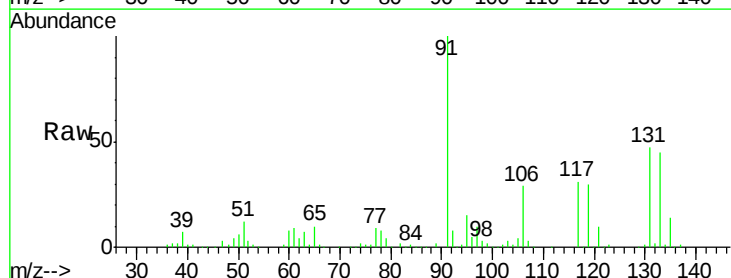
Tgt Ion:131 Resp: 319722

Ion Ratio Lower Upper

131 100

133 95.8 48.6 145.8

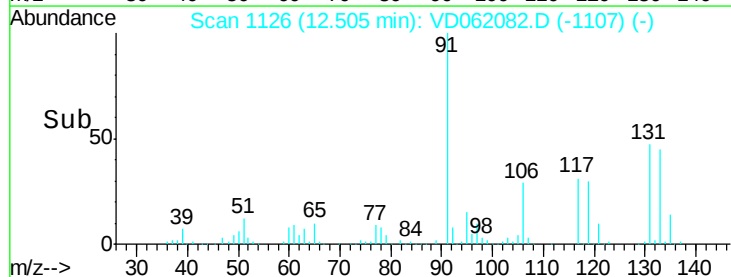
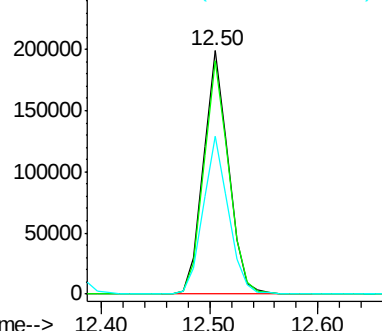
119 65.0 34.7 104.1



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





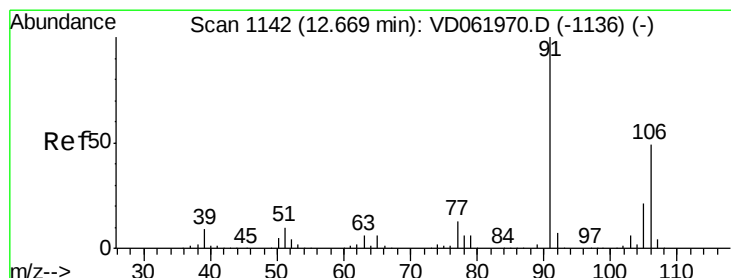
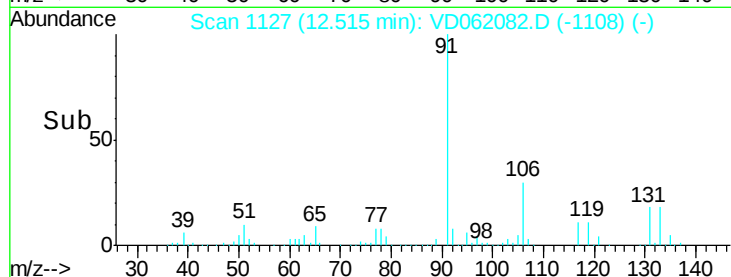
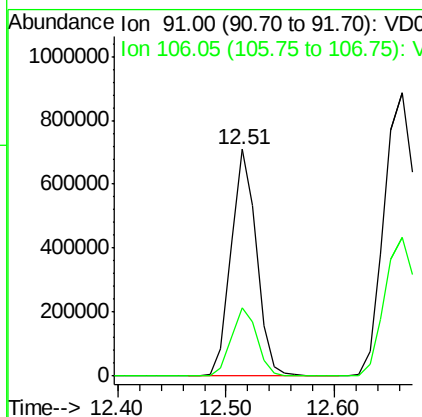
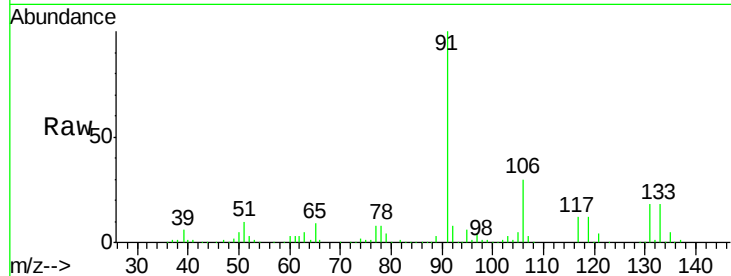
#67
Ethyl Benzene
Concen: 48.141 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1162217
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1

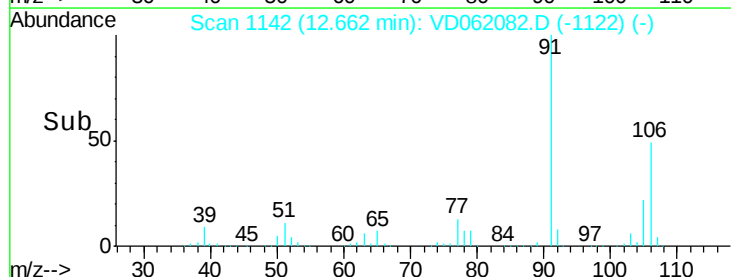
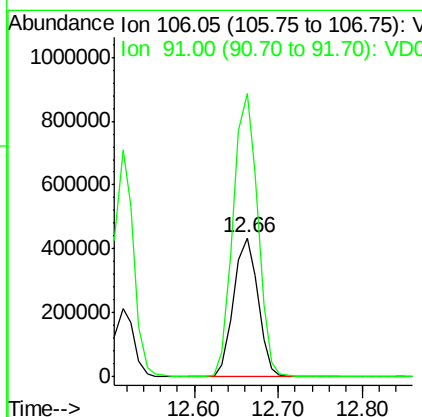
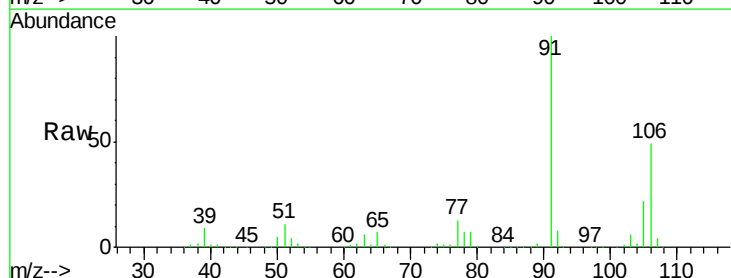
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#68
m/p-Xylenes
Concen: 100.811 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion:106 Resp: 879628
Ion Ratio Lower Upper
106 100
91 203.7 164.0 246.0





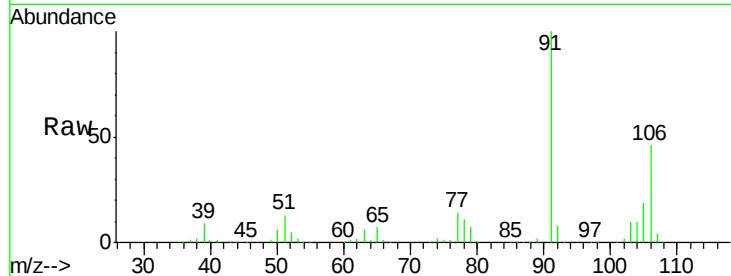
#69
o-Xylene
Concen: 48.428 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

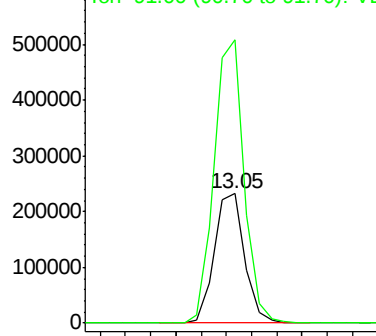
Tot Ion:106 Resp: 386634
Ion Ratio Lower Upper
106 100
91 218.6 106.7 319.9

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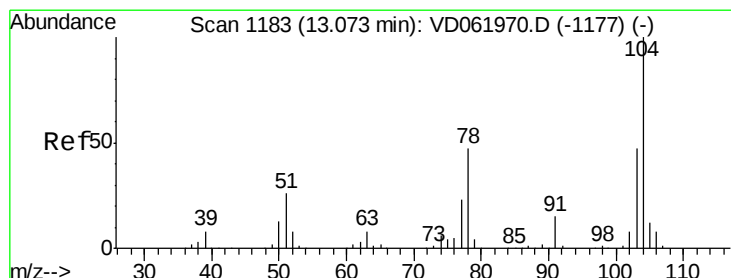
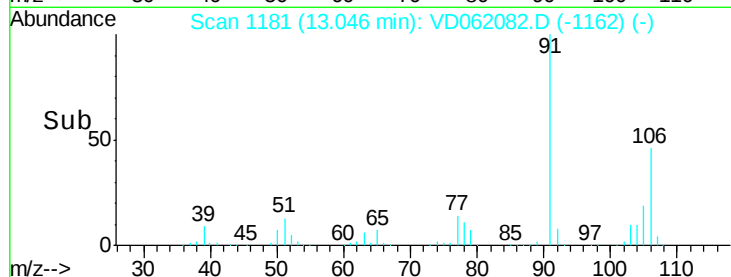
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

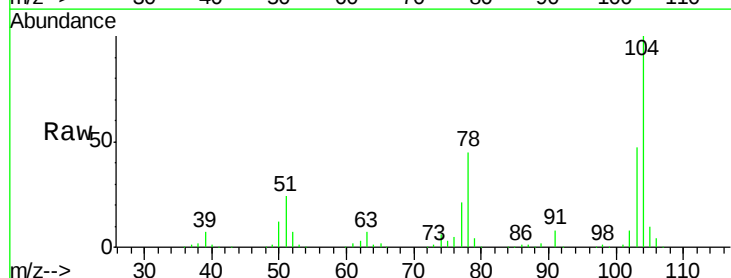


Time-->

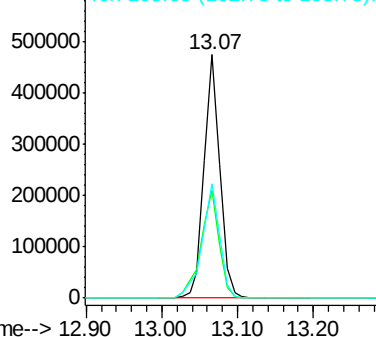


#70
Styrene
Concen: 49.075 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

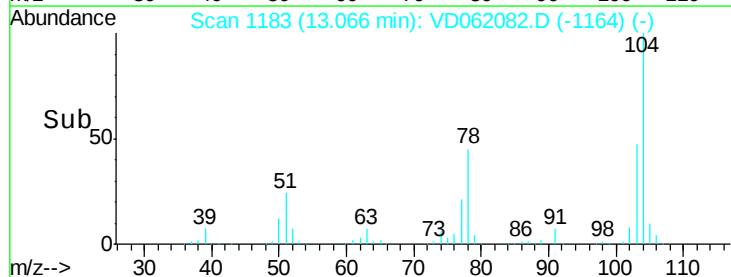
Tgt Ion:104 Resp: 676511
Ion Ratio Lower Upper
104 100
78 44.5 35.4 53.2
103 47.1 37.5 56.3

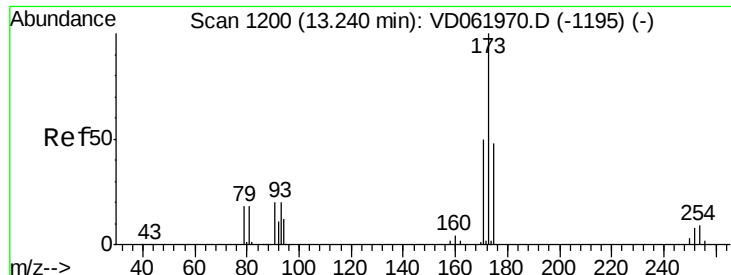


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 52.888 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

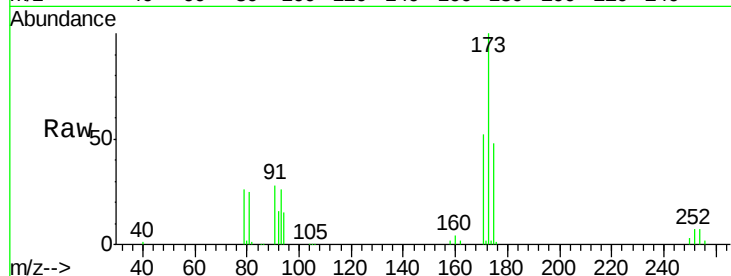
ClientSampleId :

VSTDCCC050

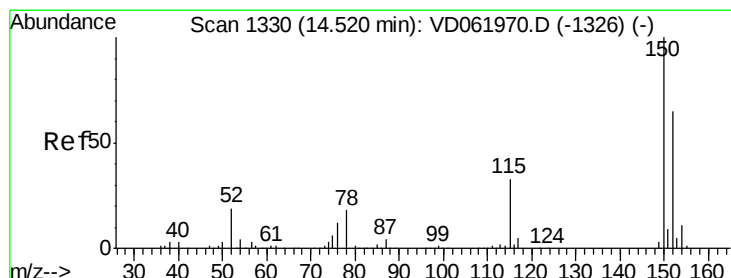
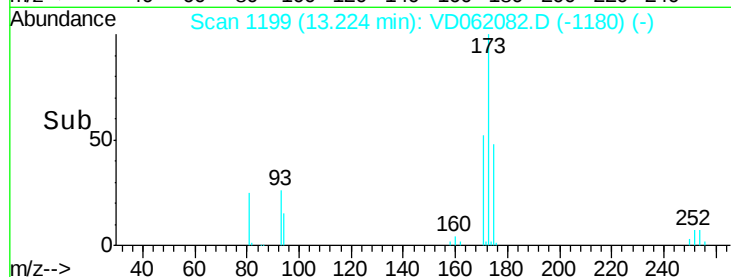
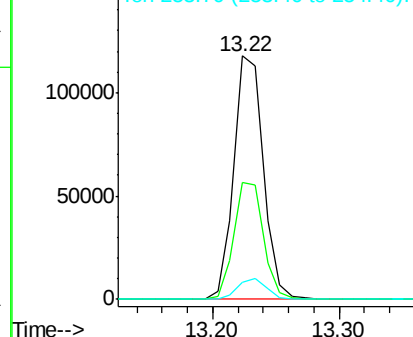
Tot Ion:	173	Resp:	189176
Ion Ratio	Lower	Upper	
173	100		
175	47.8	24.4	73.4
254	7.1	5.4	8.2

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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

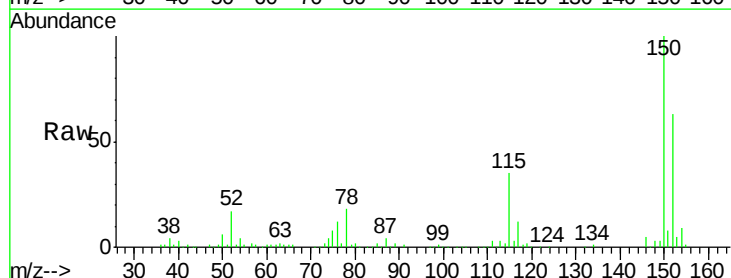
RT: 14.51 min Scan# 1330

Delta R.T. -0.01 min

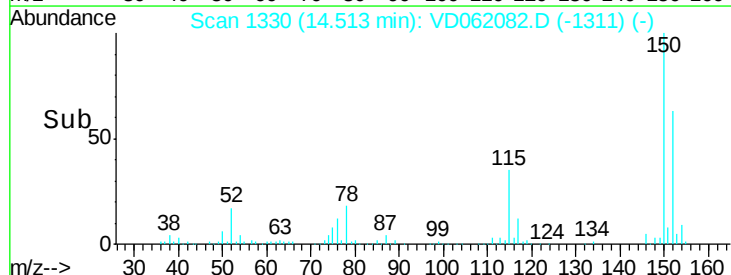
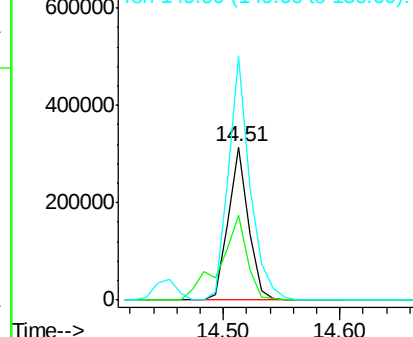
Lab File: VD062082.D

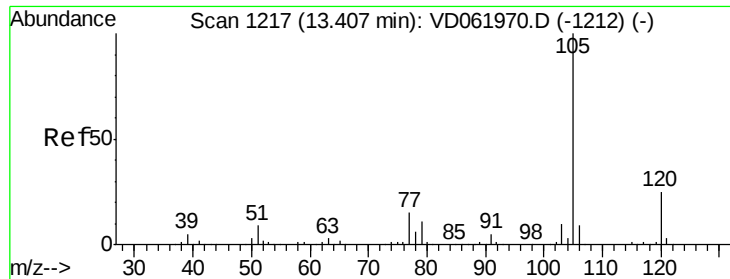
Acq: 30 Apr 2019 12:28

Tgt Ion:	152	Resp:	376392
Ion Ratio	Lower	Upper	
152	100		
115	55.5	30.9	92.7
150	159.0	0.0	314.8



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: 47.322 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1188170

Ion Ratio Lower Upper

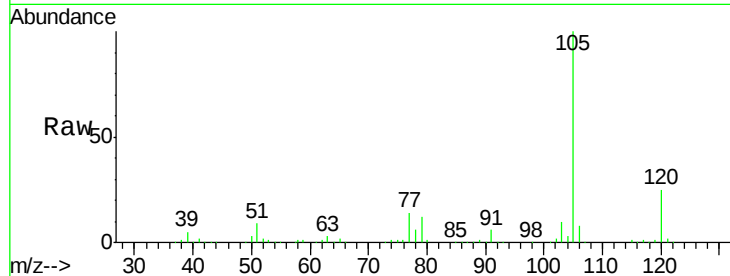
105 100

120 25.2 12.0 36.1

Manual Integrations
APPROVED

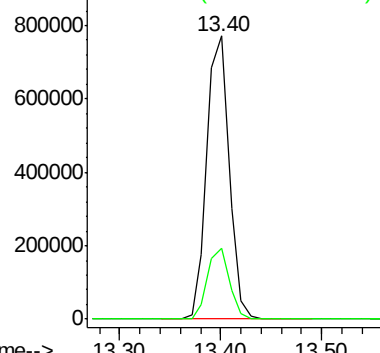
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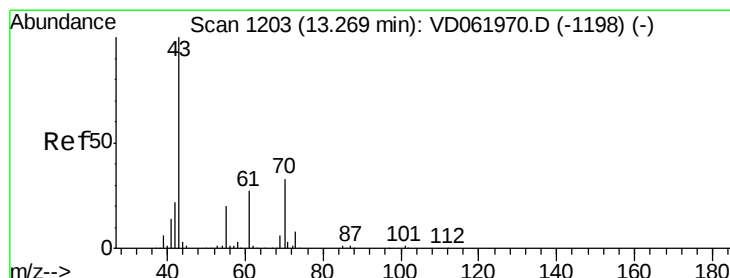
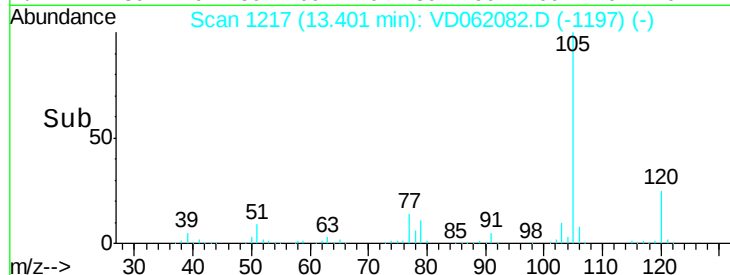


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 42.863 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Tgt Ion: 43 Resp: 277163

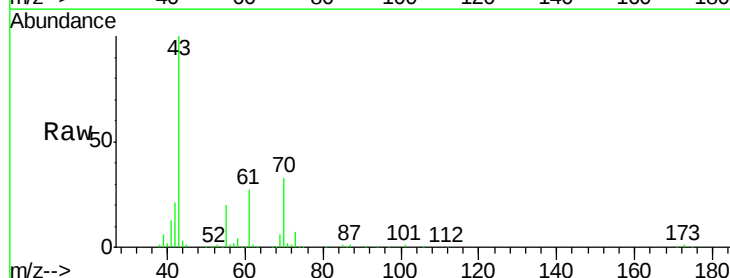
Ion Ratio Lower Upper

43 100

70 32.9 24.2 36.4

55 20.2 16.0 24.0

61 27.1 21.6 32.4

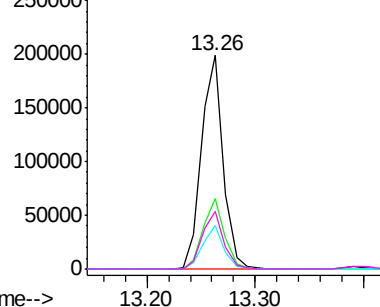


Abundance Ion 42.95 (42.65 to 43.65): VDC

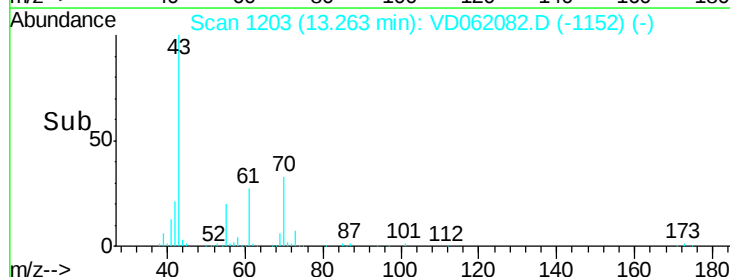
Ion 70.00 (69.70 to 70.70): VDC

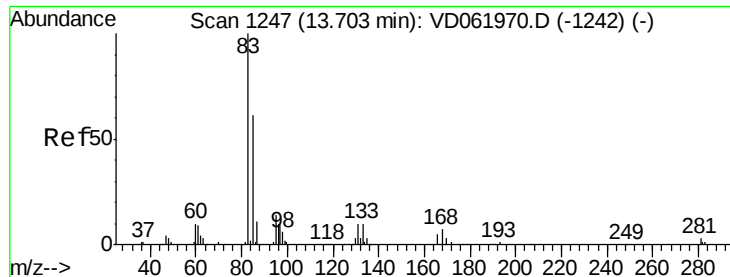
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 48.134 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

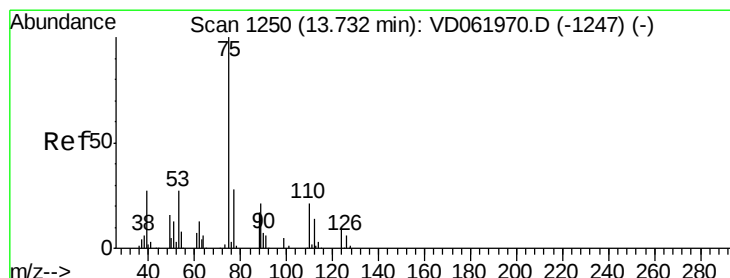
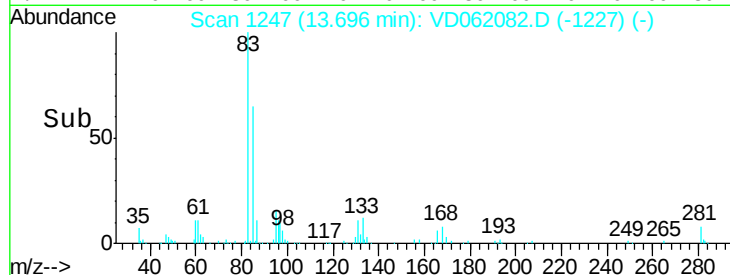
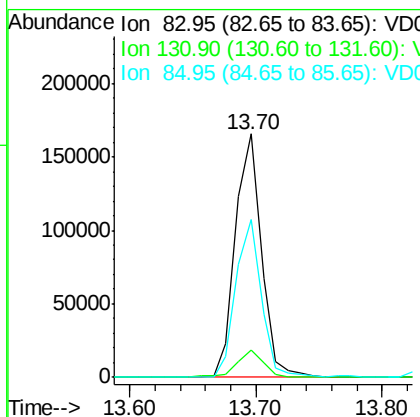
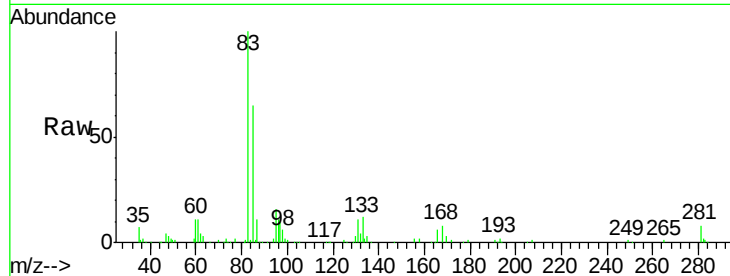
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	236831
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.0	14.9
85	64.7	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.114 ug/l

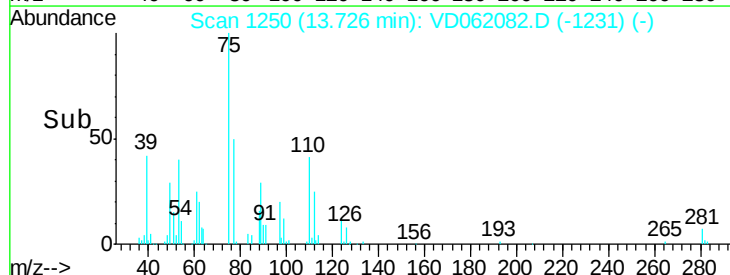
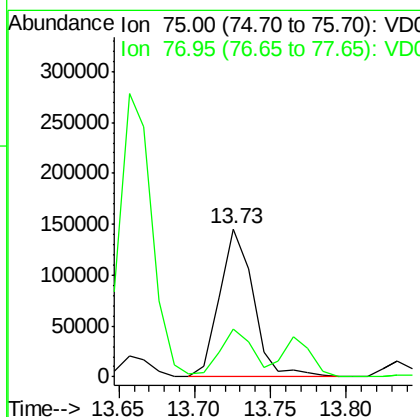
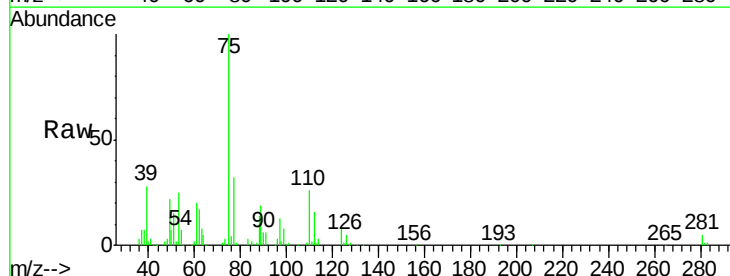
RT: 13.73 min Scan# 1250

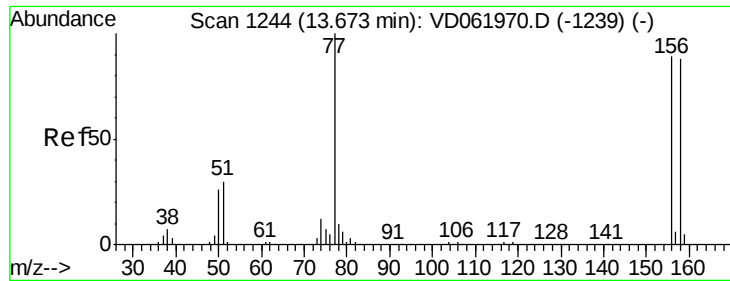
Delta R.T. -0.01 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Tgt Ion:	75	Resp:	225190
Ion Ratio	Lower	Upper	
75	100		
77	32.5	16.4	49.4





#77

Bromobenzene

Concen: 46.446 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

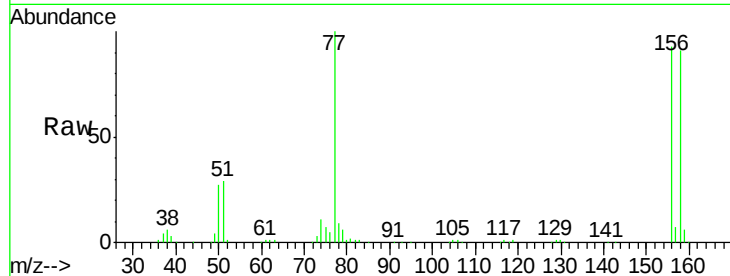
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	107.9	53.1	159.4	
158	98.2	49.4	148.0	

Manual Integrations
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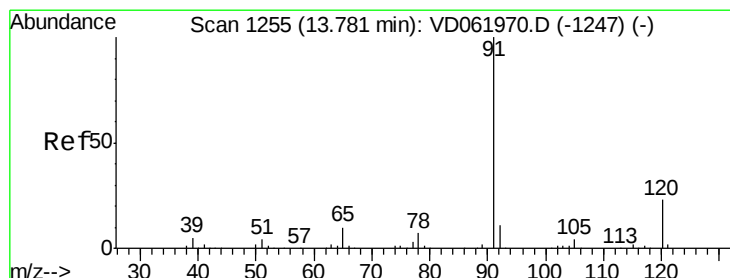
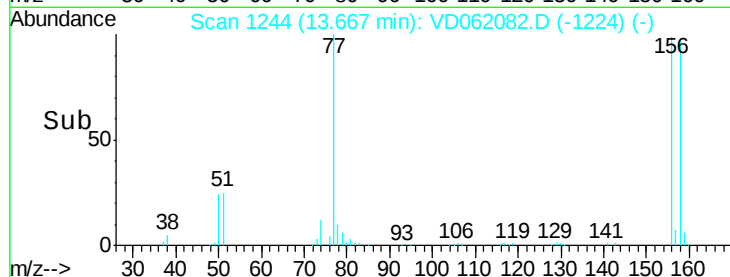
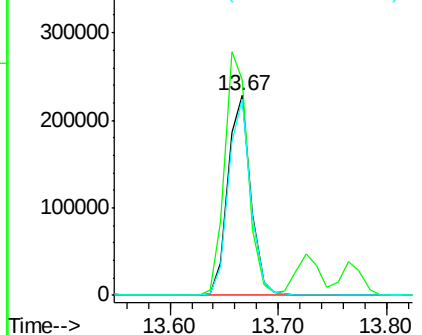
MMDadoda
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.460 ug/l

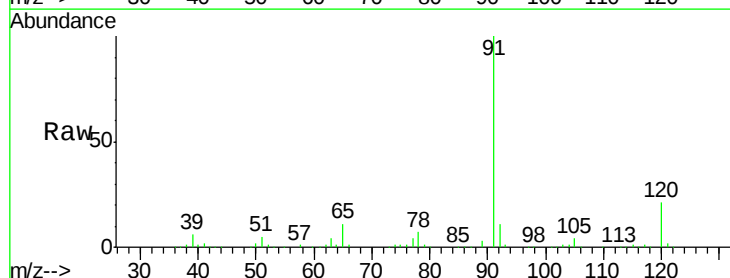
RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062082.D

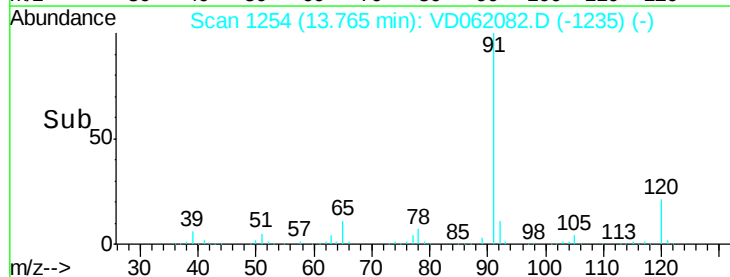
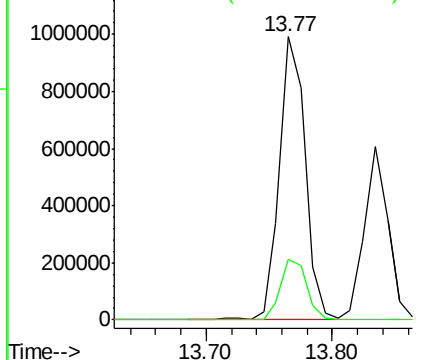
Acq: 30 Apr 2019 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.2	11.1	33.1	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 45.454 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 791344

Ion Ratio Lower Upper

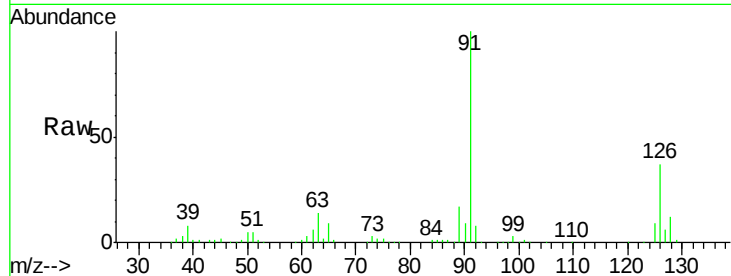
91 100

126 36.7 18.6 55.8

Manual Integrations
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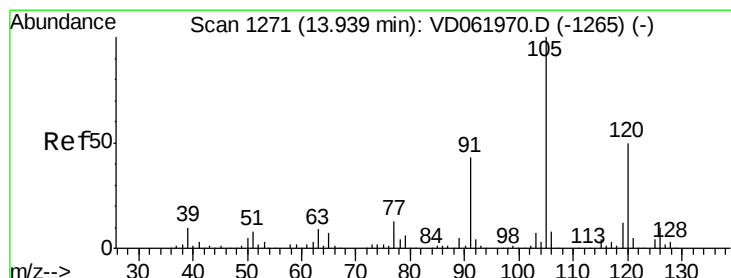
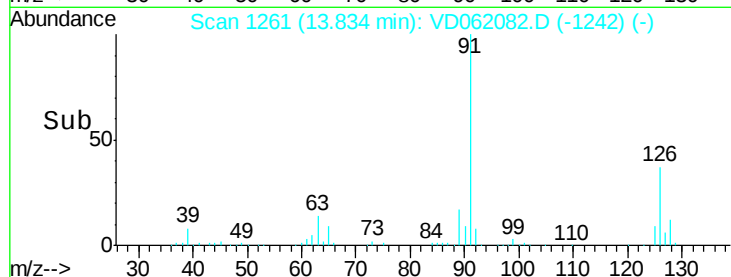
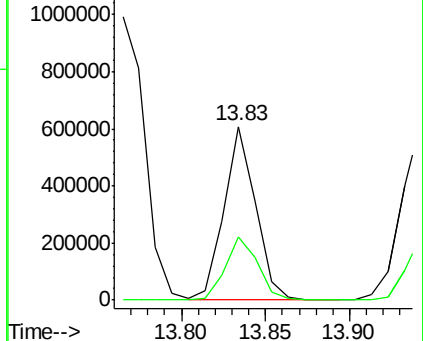
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Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.150 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062082.D

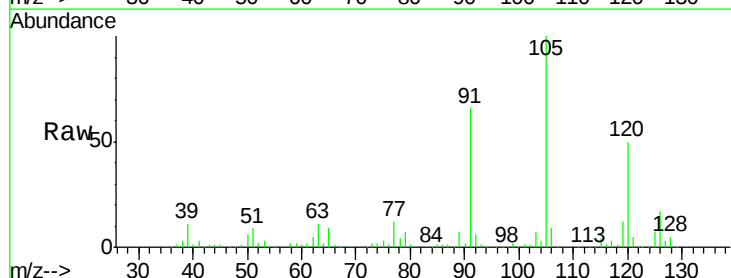
Acq: 30 Apr 2019 12:28

Tgt Ion: 105 Resp: 903919

Ion Ratio Lower Upper

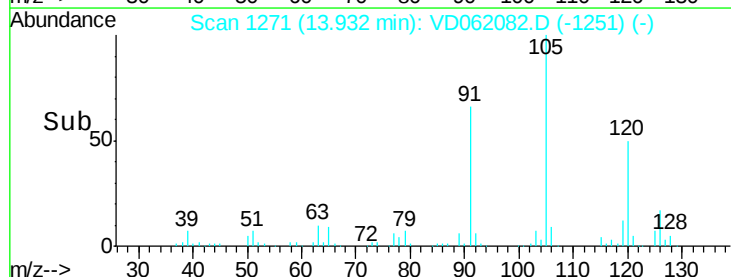
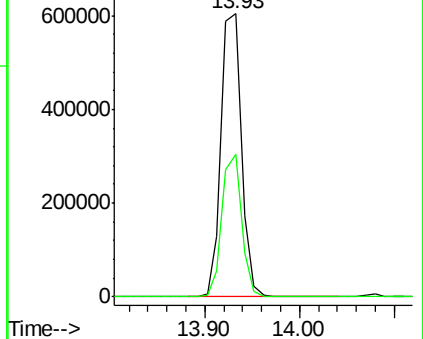
105 100

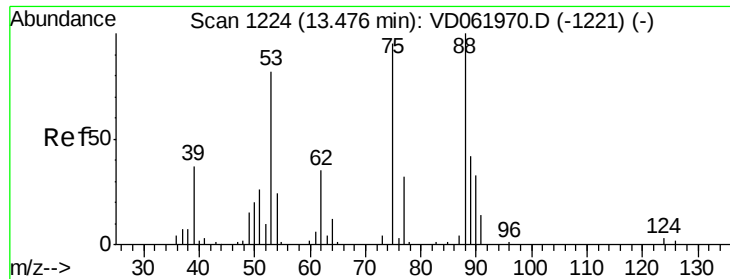
120 50.4 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)

Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)





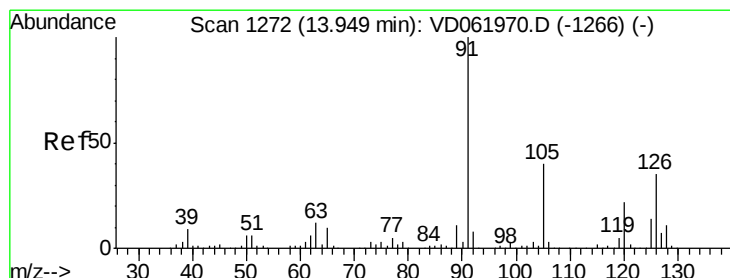
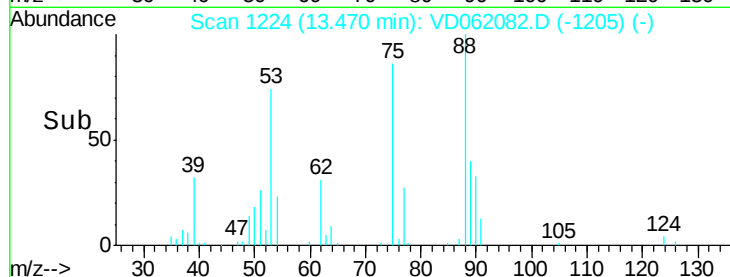
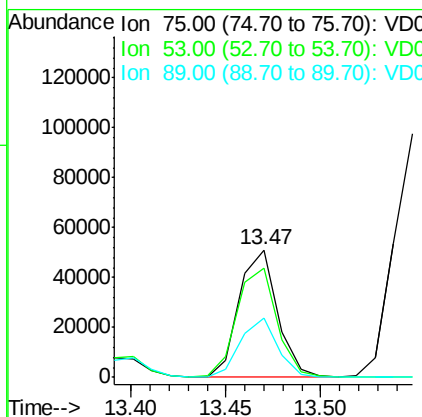
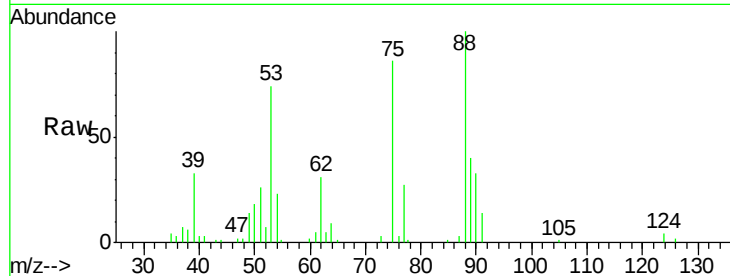
#81
trans-1,4-Dichloro-2-butene
Concen: 49.585 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.3	65.8	98.8
89	46.4	35.0	52.6

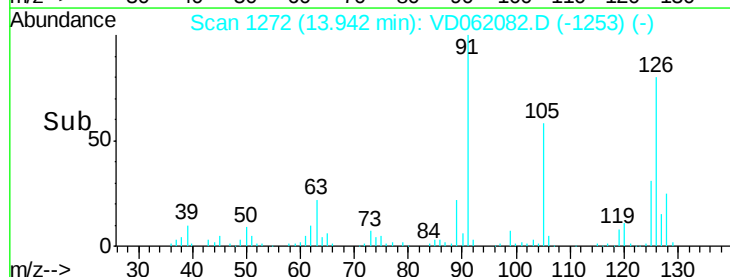
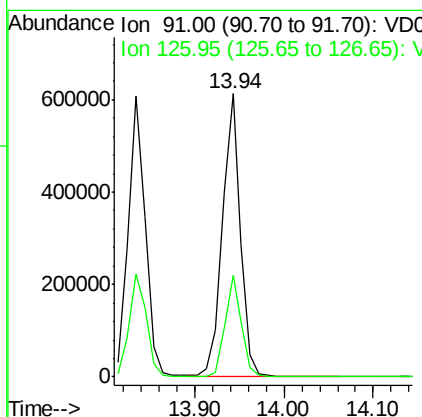
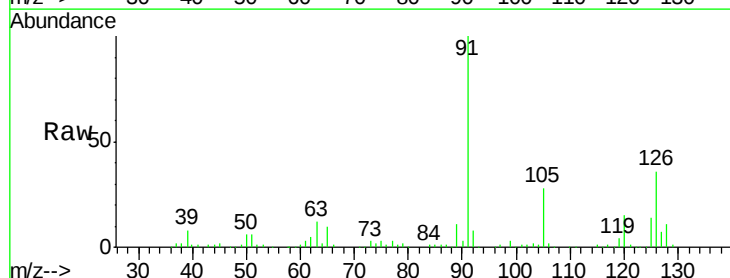
Manual Integrations
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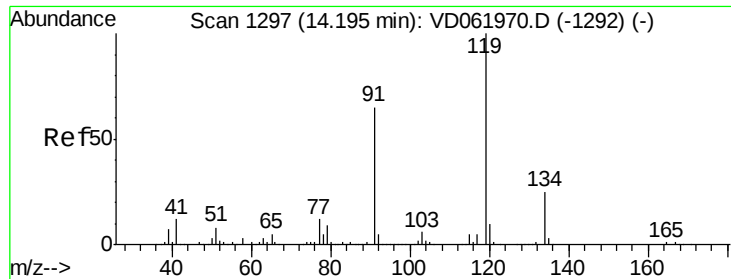
MMDadoda
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#82
4-Chlorotoluene
Concen: 45.467 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	19.1	57.5





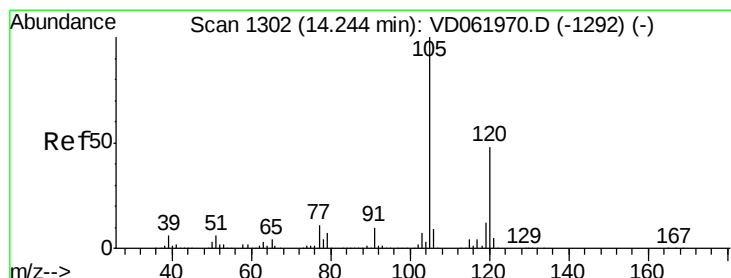
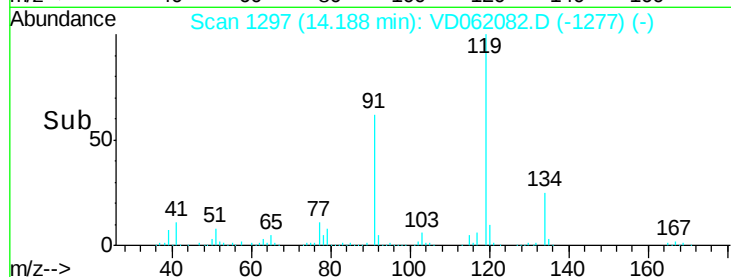
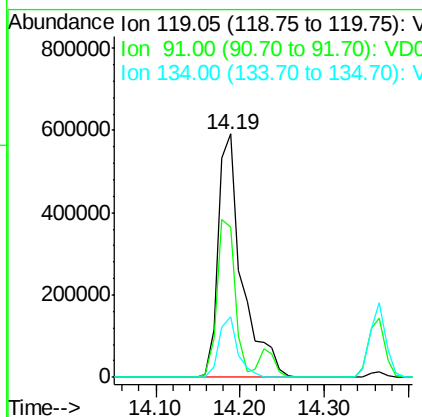
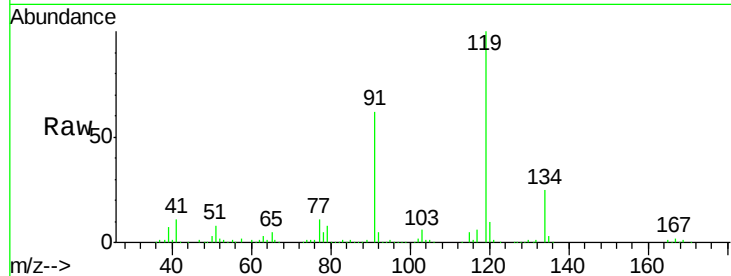
#83
tert-Butylbenzene
Concen: 49.942 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1158261
Ion Ratio Lower Upper
119 100
91 61.9 34.2 102.6
134 24.9 12.0 36.0

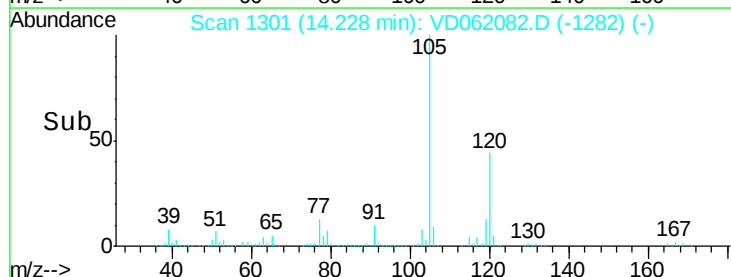
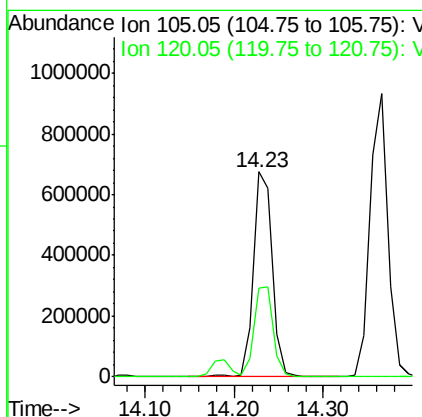
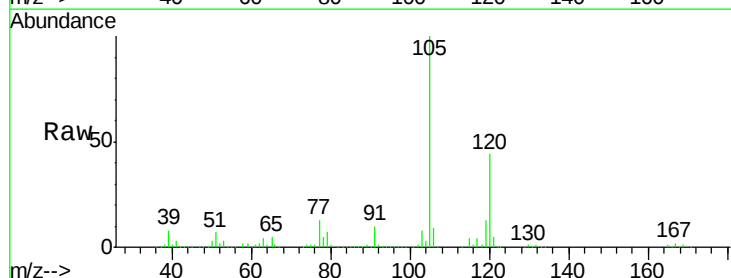
Manual Integrations
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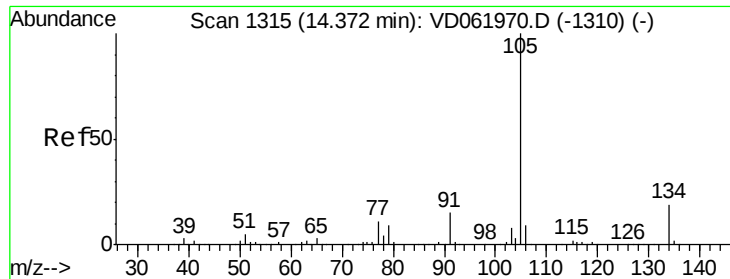
MMDadoda
5/2/2019 7:23:30 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.591 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion:105 Resp: 967101
Ion Ratio Lower Upper
105 100
120 43.7 23.1 69.2





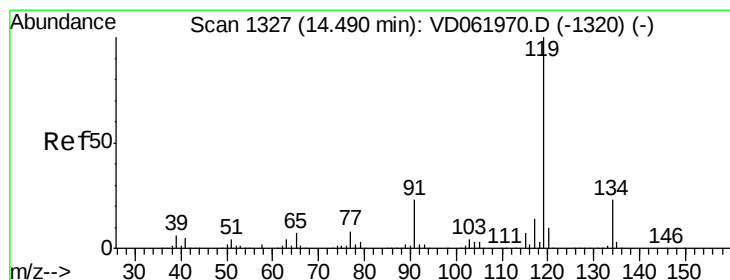
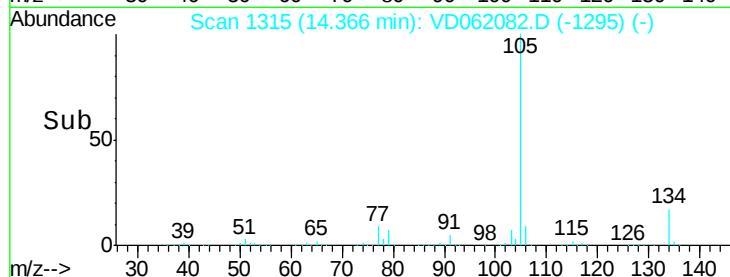
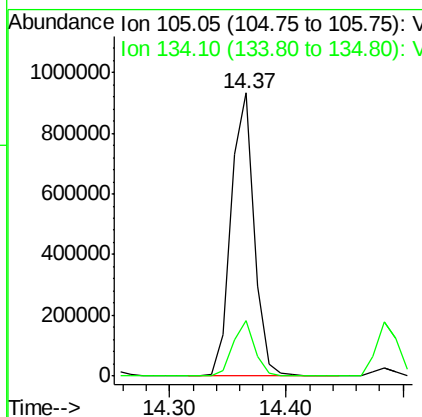
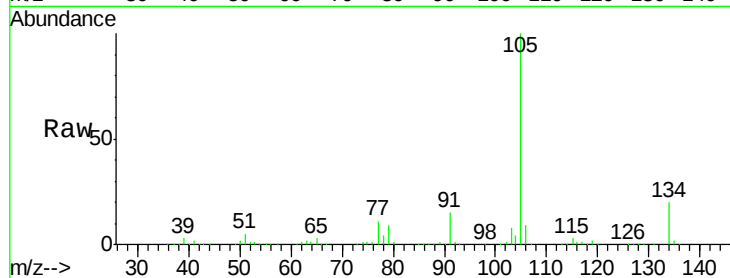
#85
 sec-Butylbenzene
 Concen: 50.711 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062082.D
 Acq: 30 Apr 2019 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1270783
 Ion Ratio Lower Upper
 105 100
 134 19.6 8.9 26.7

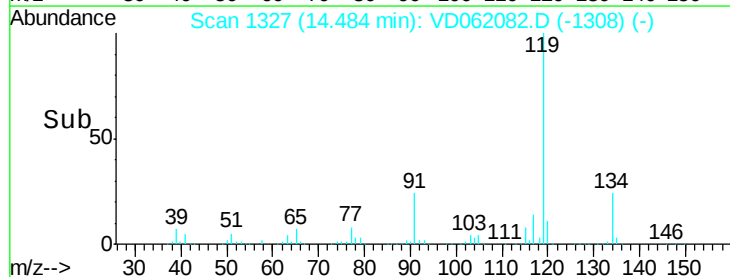
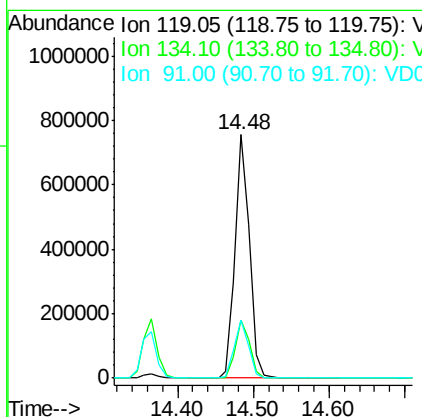
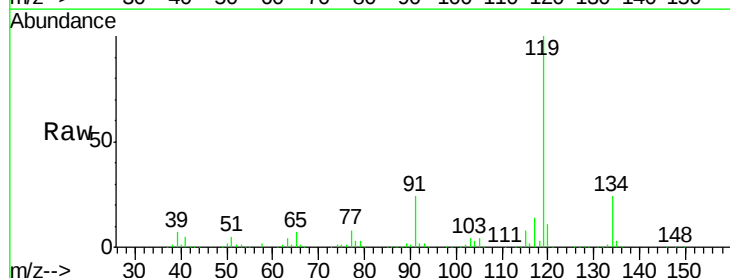
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 43.339 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD062082.D
 Acq: 30 Apr 2019 12:28

Tgt Ion:119 Resp: 971976
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.8 38.3
 91 23.9 10.7 32.1





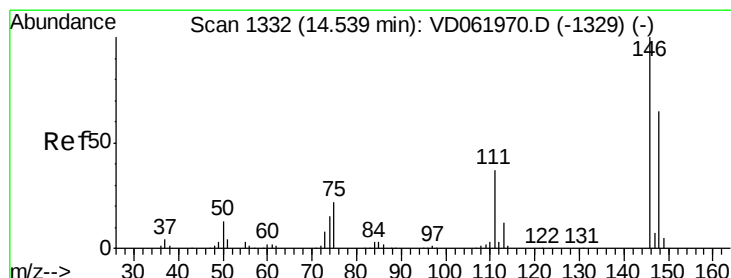
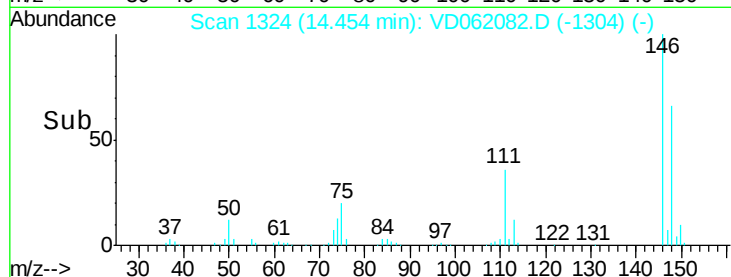
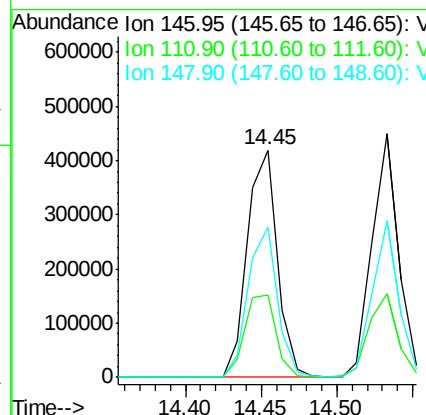
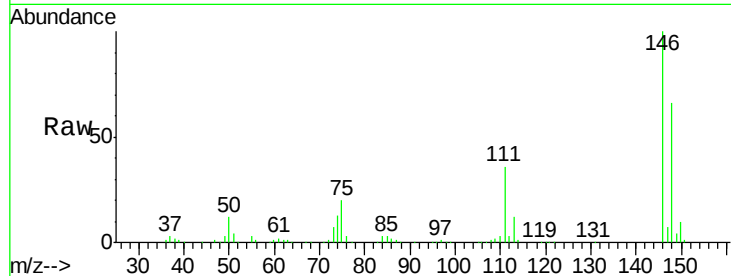
#87
 1,3-Dichlorobenzene
 Concen: 46.147 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062082.D
 Acq: 30 Apr 2019 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	20.0	60.0
148	66.2	31.8	95.4

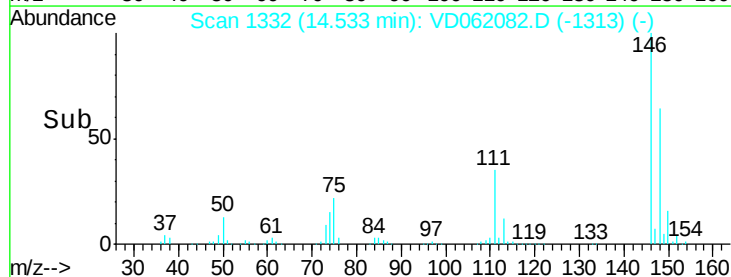
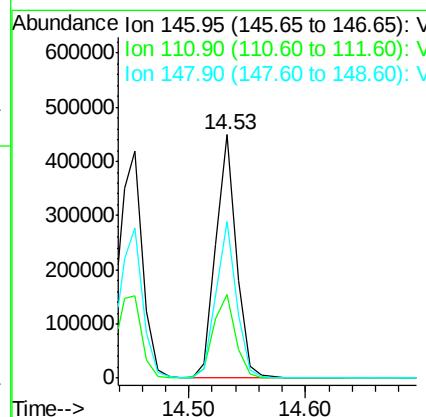
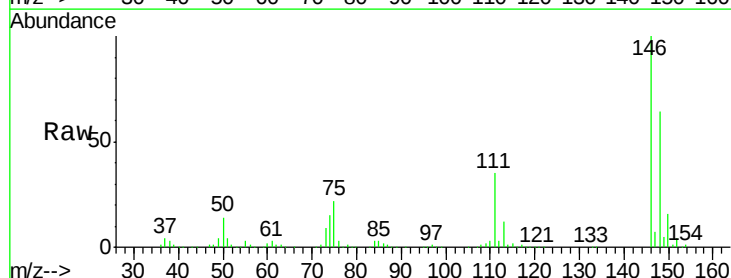
Manual Integrations
 APPROVED

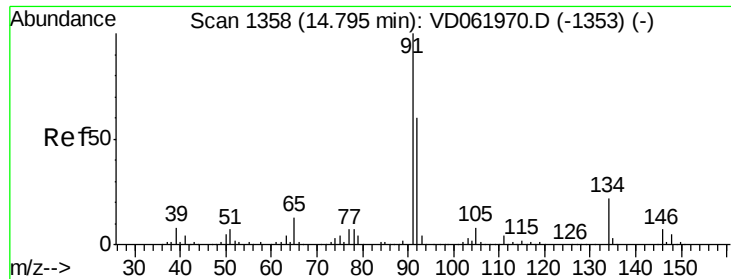
MMDadoda
 5/2/2019 7:23:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.746 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062082.D
 Acq: 30 Apr 2019 12:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	20.2	60.5
148	64.3	32.0	96.2





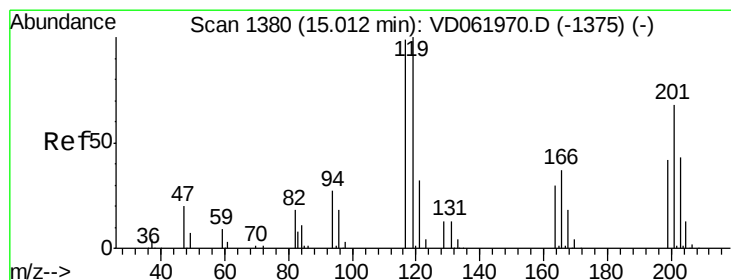
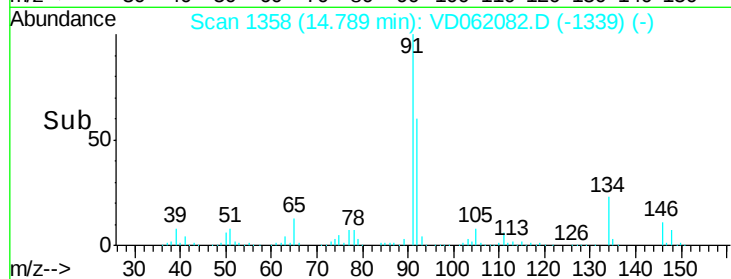
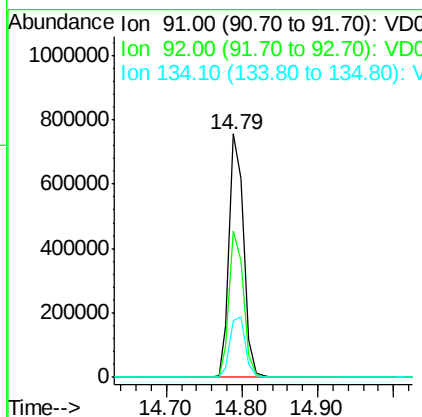
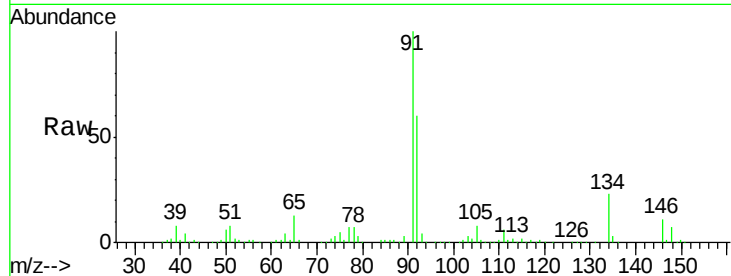
#89
n-Butylbenzene
Concen: 49.338 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.8	30.3	91.0
134	23.5	14.5	43.6

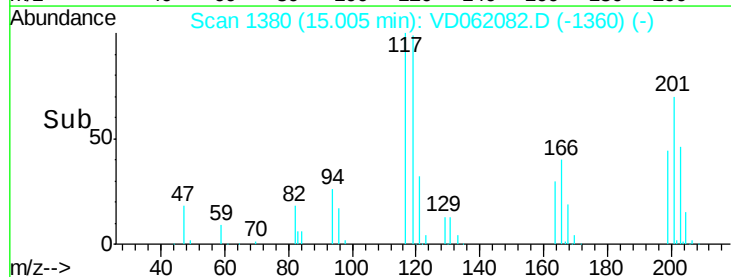
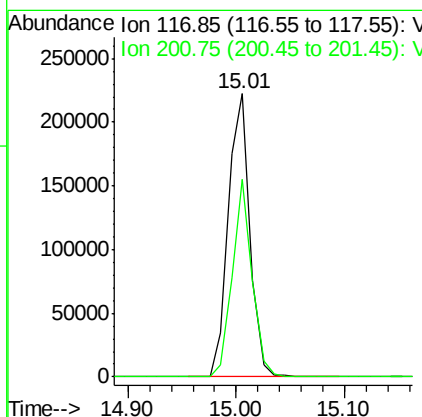
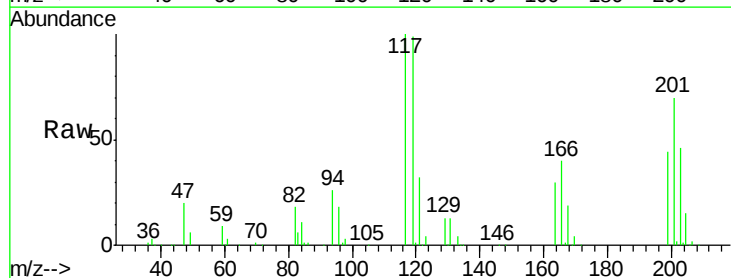
Manual Integrations
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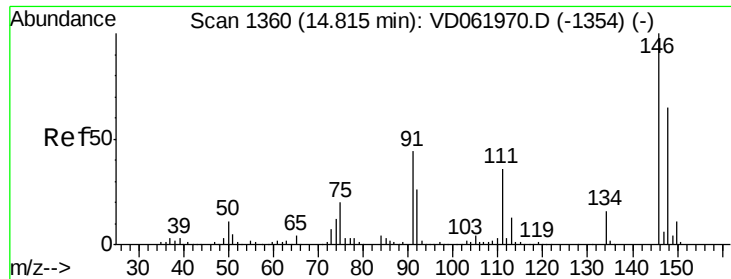
MMDadoda
5/2/2019 7:23:30 AM



#90
Hexachloroethane
Concen: 50.920 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.7	30.2	90.6





#91

1,2-Dichlorobenzene

Concen: 48.036 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Instrument :

MSVOA_D

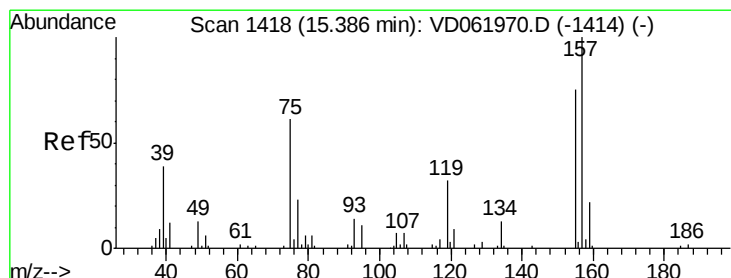
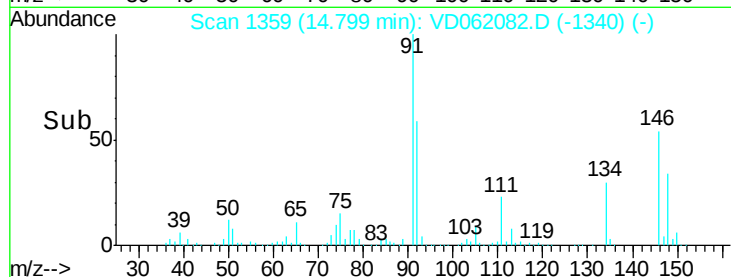
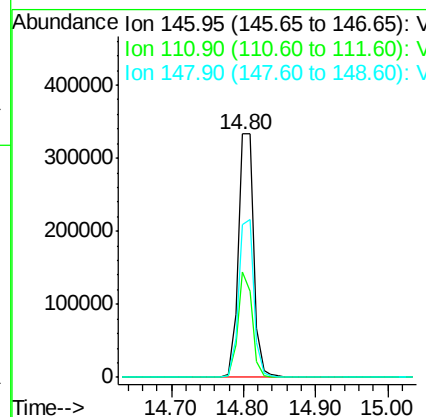
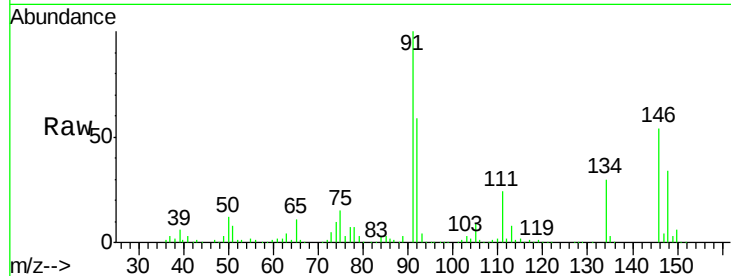
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	499788
Ion Ratio	Lower	Upper	
146	100		
111	43.5	20.0	59.9
148	62.9	32.3	96.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 41.896 ug/l

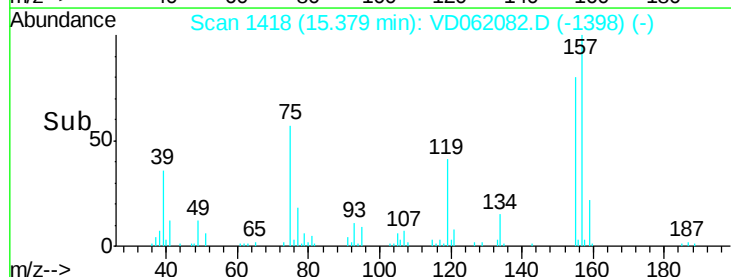
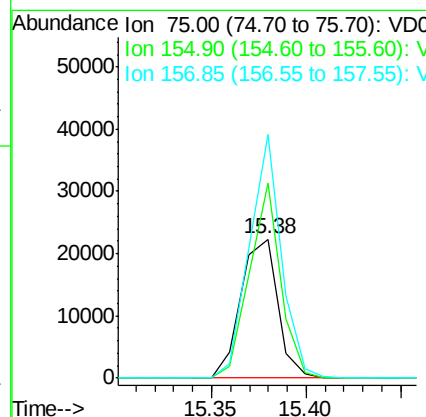
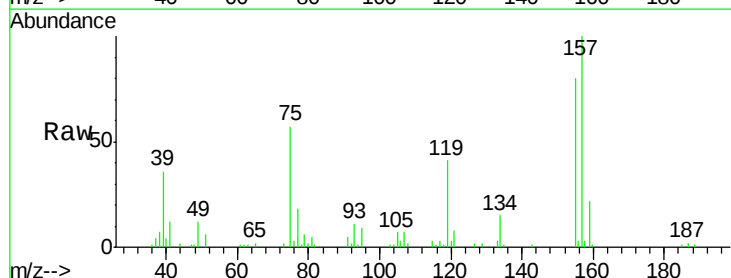
RT: 15.38 min Scan# 1418

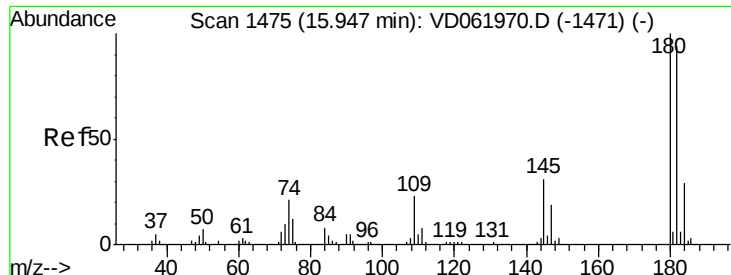
Delta R.T. -0.00 min

Lab File: VD062082.D

Acq: 30 Apr 2019 12:28

Tgt Ion:	75	Resp:	30128
Ion Ratio	Lower	Upper	
75	100		
155	139.8	55.3	165.8
157	174.9	67.8	203.2





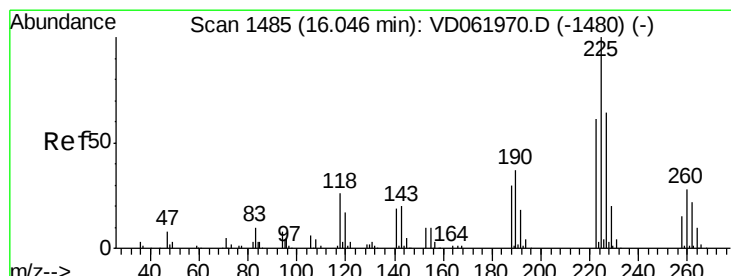
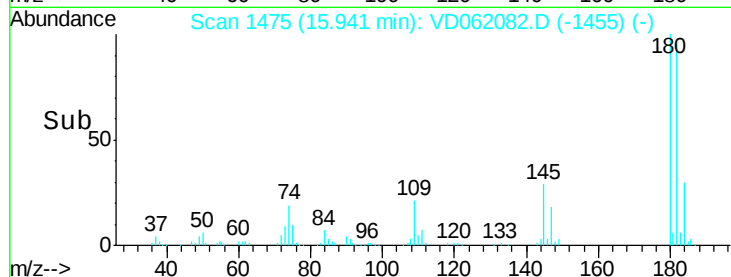
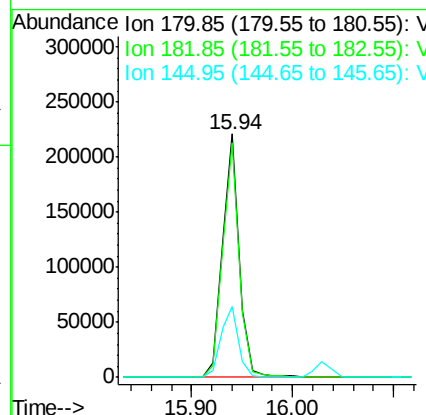
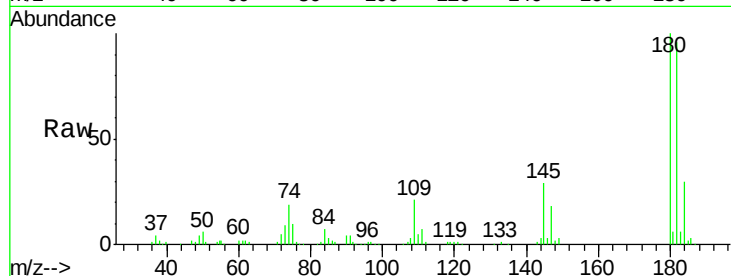
#93
 1,2,4-Trichlorobenzene
 Concen: 46.095 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062082.D
 Acq: 30 Apr 2019 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	258768		
182	96.4	49.3	147.8	
145	29.1	16.2	48.6	

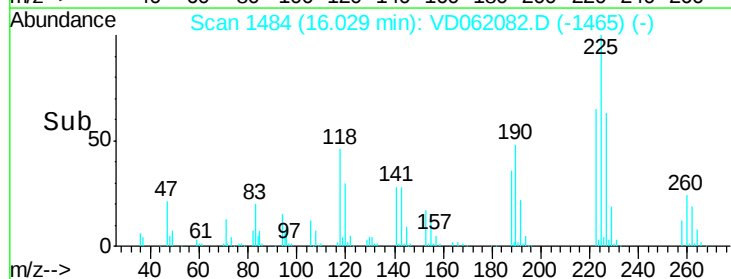
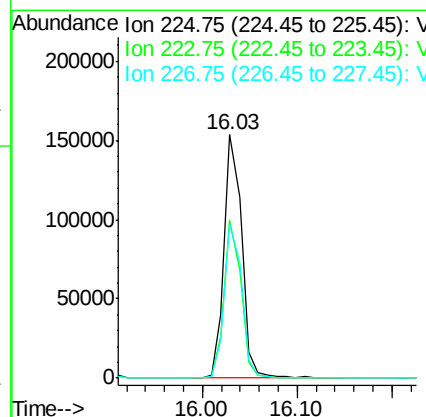
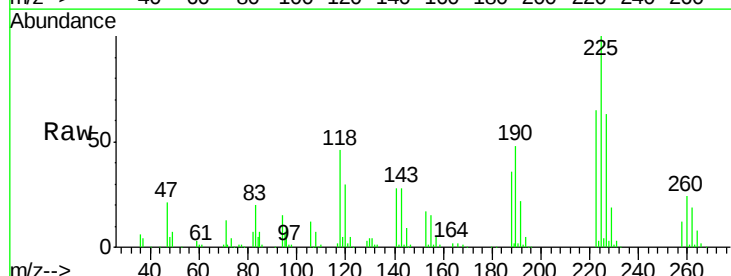
Manual Integrations
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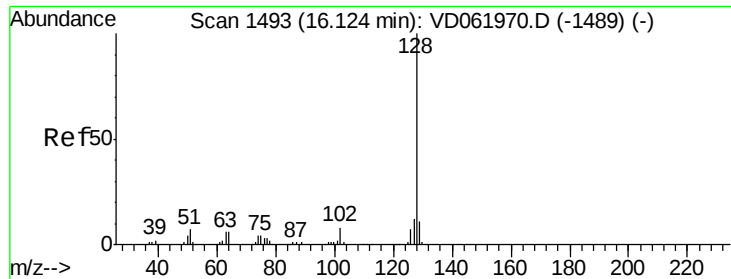
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#94
 Hexachlorobutadiene
 Concen: 47.635 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062082.D
 Acq: 30 Apr 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	197897		
223	65.0	30.6	92.0	
227	63.4	32.0	96.2	





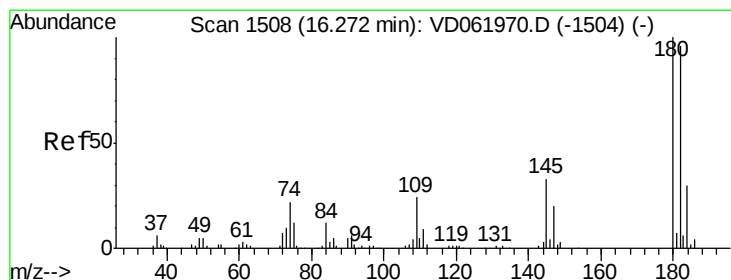
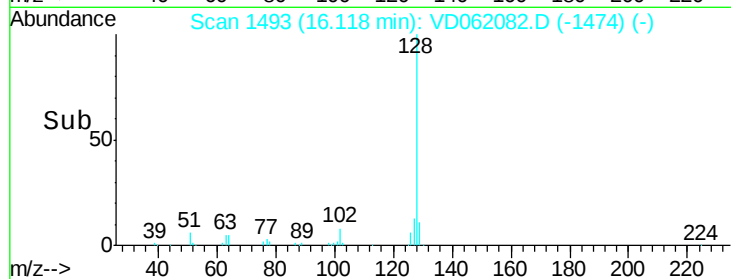
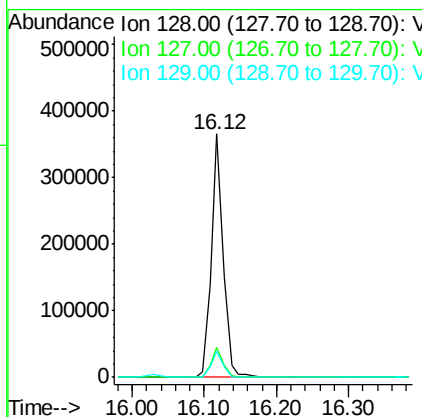
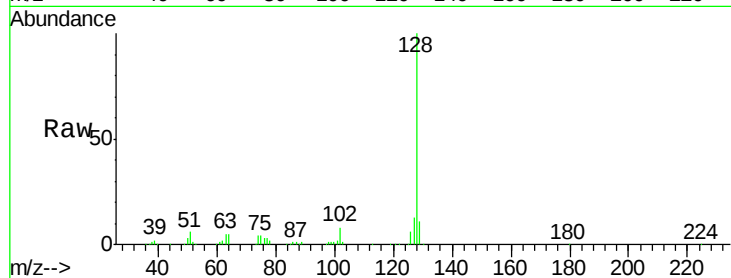
#95
Naphthalene
Concen: 45.599 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	413318		
127	12.5		9.8	14.8
129	10.6		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 46.719 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062082.D
Acq: 30 Apr 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	148810		
182	92.4		47.0	141.0
145	31.7		17.0	51.0

