

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062831.D
 Acq On : 24 Jun 2019 10:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/25/2019 10:00:06 AM

Quant Time: Jun 25 05:10:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	933625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1252372	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1084786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	552488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	572896	56.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.90%	
35) Dibromofluoromethane	6.93	113	552491	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.42	98	1208010	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	13.56	95	576510	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	514921	42.621	ug/l	99
3) Chloromethane	1.75	50	379334	41.749	ug/l	94
4) Vinyl Chloride	1.85	62	401635	44.583	ug/l	99
5) Bromomethane	2.16	94	190703	45.202	ug/l	99
6) Chloroethane	2.27	64	203039	49.782	ug/l #	88
7) Trichlorofluoromethane	2.54	101	870233	47.731	ug/l	100
8) Diethyl Ether	2.87	74	125151	54.026	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	467839	47.366	ug/l	99
10) Methyl Iodide	3.31	142	595673	45.713	ug/l	99
11) Tert butyl alcohol	4.10	59	123551	267.309	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	346897	46.818	ug/l	91
13) Acrolein	3.04	56	123591	261.925	ug/l	96
14) Allyl chloride	3.62	41	521074	47.594	ug/l	93
15) Acrylonitrile	4.21	53	261710	240.973	ug/l	96
16) Acetone	3.23	43	555906	270.699	ug/l	97
17) Carbon Disulfide	3.38	76	1057415	44.653	ug/l	95
18) Methyl Acetate	3.65	43	166747	54.430	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	844084	52.623	ug/l	96
20) Methylene Chloride	3.82	84	332399	42.948	ug/l	91
21) trans-1,2-Dichloroethene	4.22	96	350313	44.402	ug/l	92
22) Diisopropyl ether	5.13	45	1103663	49.569	ug/l #	85
23) Vinyl Acetate	5.07	43	3623983	260.113	ug/l	97
24) 1,1-Dichloroethane	4.99	63	681555	47.015	ug/l	99
25) 2-Butanone	6.08	43	515208	271.440	ug/l	95
26) 2,2-Dichloropropane	6.03	77	771843	50.232	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	389976	46.742	ug/l	92
28) Bromochloromethane	6.45	49	218275	42.752	ug/l	99
29) Tetrahydrofuran	6.47	42	236322	263.152	ug/l	97
30) Chloroform	6.67	83	836906	47.471	ug/l	95
31) Cyclohexane	6.97	56	413709	43.411	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	840832	45.790	ug/l	95
36) 1,1-Dichloropropene	7.16	75	569268	48.017	ug/l	97
37) Ethyl Acetate	6.19	43	256153	51.467	ug/l	96
38) Carbon Tetrachloride	7.12	117	872485m	48.933	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	471307	45.163	ug/l	99
40) Benzene	7.46	78	1152684	48.437	ug/l	99
41) Methacrylonitrile	6.47	41	327431	52.371	ug/l #	89
42) 1,2-Dichloroethane	7.59	62	649819	50.055	ug/l	98
43) Isopropyl Acetate	9.24	43	334749	53.858	ug/l #	95
44) Trichloroethene	8.55	130	464687	49.807	ug/l	91
45) 1,2-Dichloropropane	8.95	63	271545	45.889	ug/l	96
46) Dibromomethane	9.08	93	241195	47.450	ug/l	94
47) Bromodichloromethane	9.38	83	655971	49.689	ug/l	97
48) Methyl methacrylate	9.13	41	212212	48.046	ug/l #	88
49) 1,4-Dioxane	9.10	88	37445	1019.000	ug/l #	91
51) 4-Methyl-2-Pentanone	10.31	43	1168437	265.150	ug/l	97
52) Toluene	10.51	92	721006	45.072	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	573443	53.071	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	555224	47.276	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	271974	49.487	ug/l	89
56) Ethyl methacrylate	11.05	69	296550	50.490	ug/l	94
57) 1,3-Dichloropropane	11.42	76	421775	50.121	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	748930	248.376	ug/l	97
59) 2-Hexanone	11.54	43	907809	289.258	ug/l	96
60) Dibromochloromethane	11.70	129	523392	51.128	ug/l	97
61) 1,2-Dibromoethane	11.81	107	320009	49.301	ug/l	99
64) Tetrachloroethene	11.26	164	403867	45.236	ug/l	96
65) Chlorobenzene	12.40	112	916530	45.525	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	462404	49.113	ug/l	96
67) Ethyl Benzene	12.53	91	1739243	48.118	ug/l	99
68) m/p-Xylenes	12.67	106	1165472	92.577	ug/l	99
69) o-Xylene	13.05	106	525180	45.634	ug/l	95
70) Styrene	13.07	104	923272	45.675	ug/l	98
71) Bromoform	13.24	173	339336	52.605	ug/l	96
73) Isopropylbenzene	13.41	105	1664647	46.991	ug/l	100
74) N-amyl acetate	13.27	43	489119	56.856	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	286058	49.561	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	333889	52.349	ug/l	99
77) Bromobenzene	13.67	156	453470	47.593	ug/l	90
78) n-propylbenzene	13.78	91	1964026	47.635	ug/l	100
79) 2-Chlorotoluene	13.84	91	1075361	45.638	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1516417	50.963	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	90923	54.393	ug/l	96
82) 4-Chlorotoluene	13.95	91	1415592	49.902	ug/l	97
83) tert-Butylbenzene	14.20	119	1722838	51.945	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1518143	49.779	ug/l	98
85) sec-Butylbenzene	14.37	105	1604644	44.514	ug/l	99
86) p-Isopropyltoluene	14.49	119	1682345	51.014	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	904928	52.982	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	786909	45.870	ug/l	99
89) n-Butylbenzene	14.81	91	1498859	48.560	ug/l	95
90) Hexachloroethane	15.01	117	449995	50.751	ug/l	98
91) 1,2-Dichlorobenzene	14.82	146	769046	52.627	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	68494	60.800	ug/l #	49

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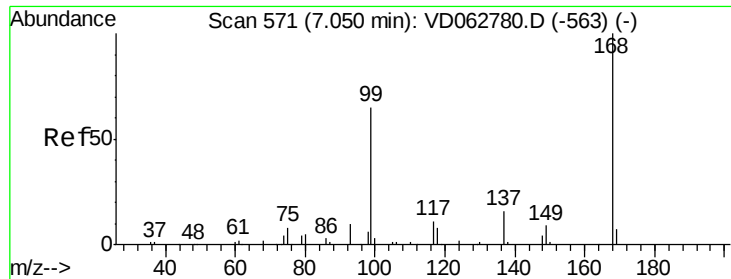
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	605140	53.011	ug/l	98
94) Hexachlorobutadiene	16.04	225	444361	50.954	ug/l	100
95) Naphthalene	16.13	128	818191	51.138	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	476364	54.312	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 933625

Ion Ratio Lower Upper

168 100

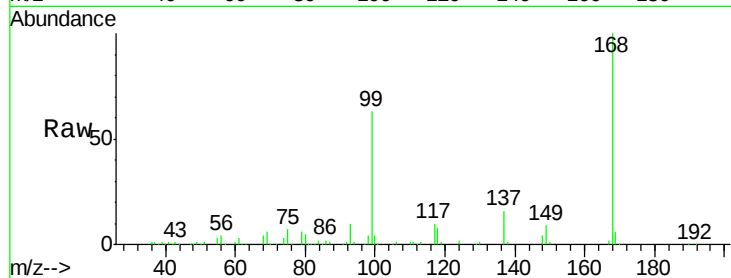
99 63.0 53.0 79.6

Manual Integrations

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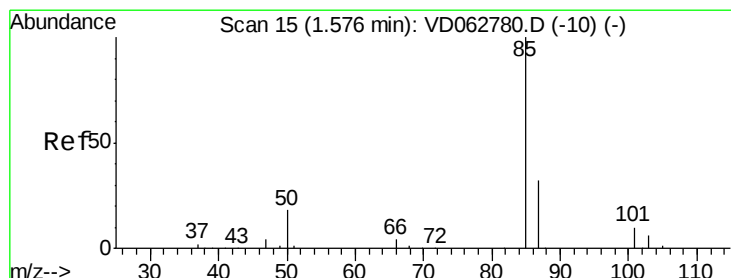
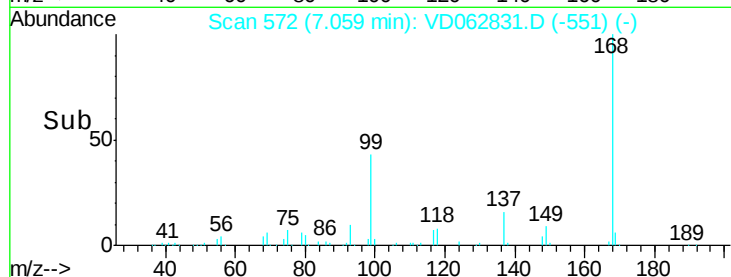
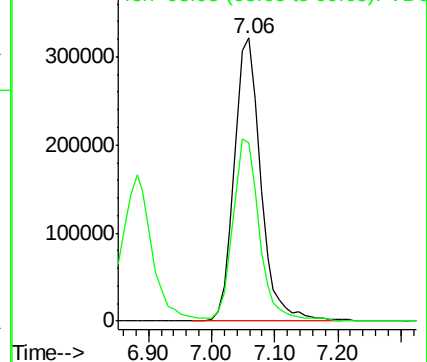
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6/25/2019 10:00:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 42.621 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062831.D

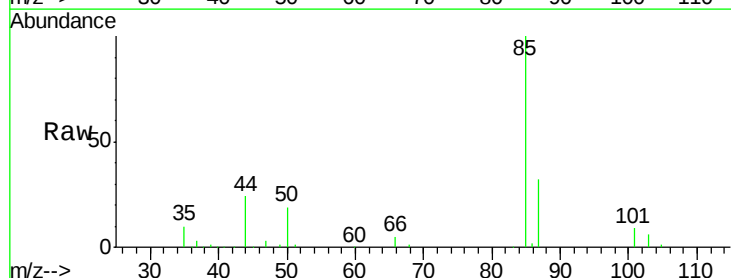
Acq: 24 Jun 2019 10:46

Tgt Ion: 85 Resp: 514921

Ion Ratio Lower Upper

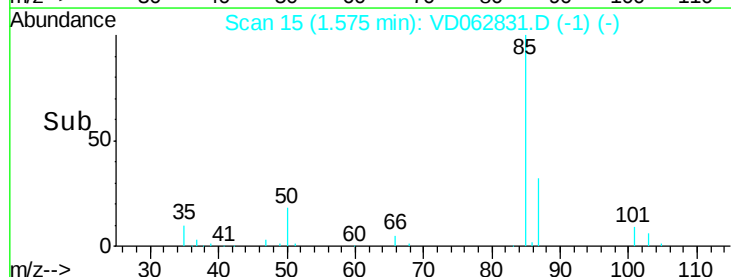
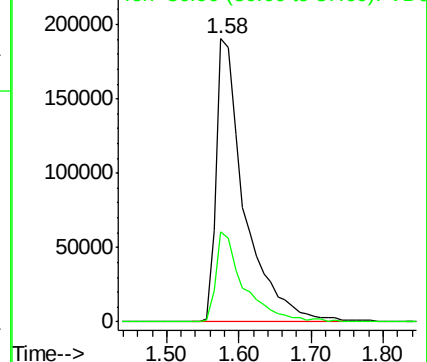
85 100

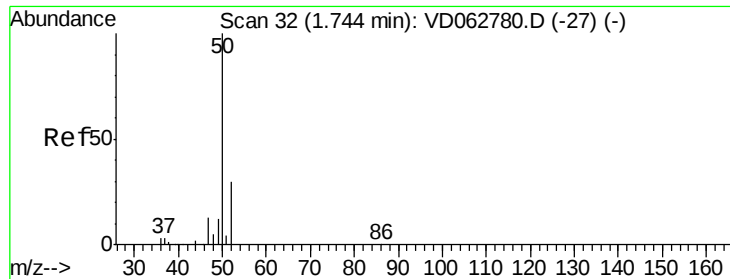
87 32.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.749 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 379334

Ion Ratio Lower Upper

50 100

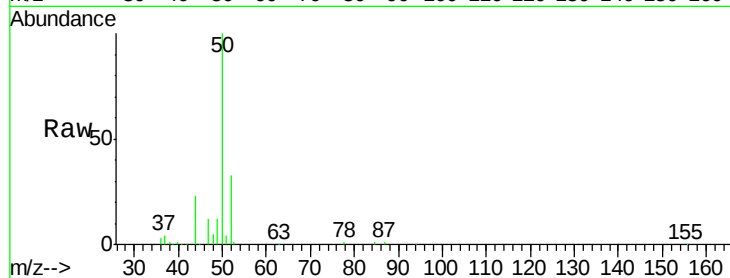
52 32.7 23.6 35.4

Manual Integrations

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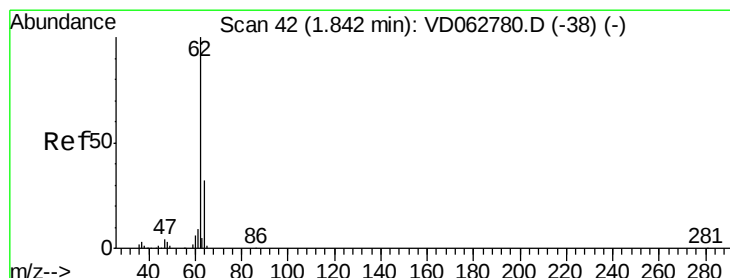
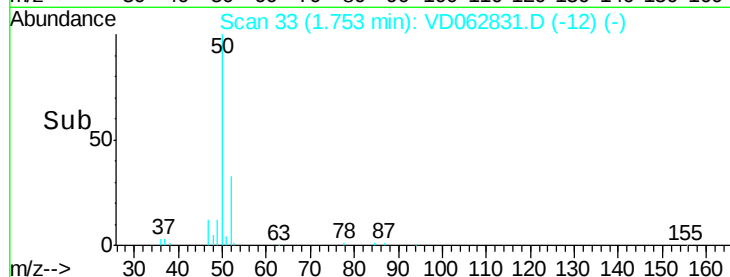
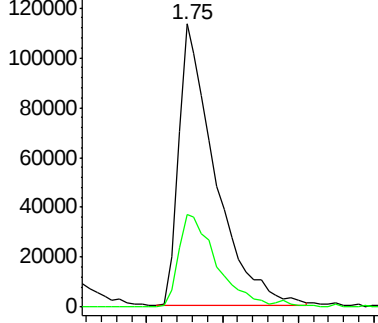
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.583 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062831.D

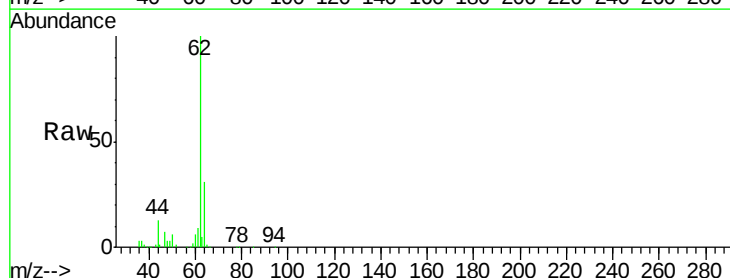
Acq: 24 Jun 2019 10:46

Tgt Ion: 62 Resp: 401635

Ion Ratio Lower Upper

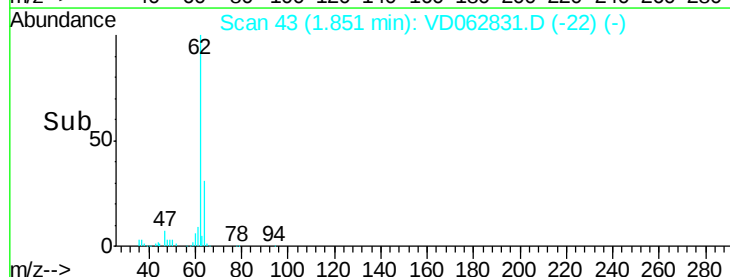
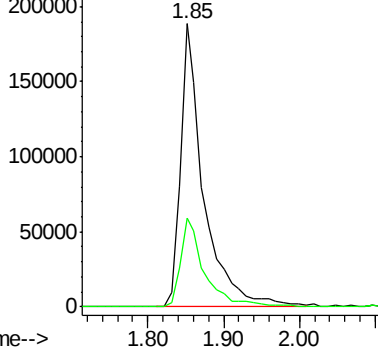
62 100

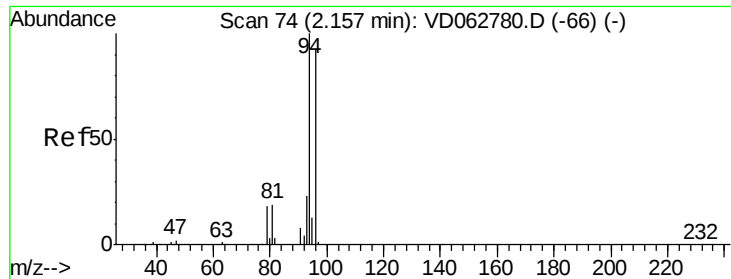
64 31.3 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 45.202 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

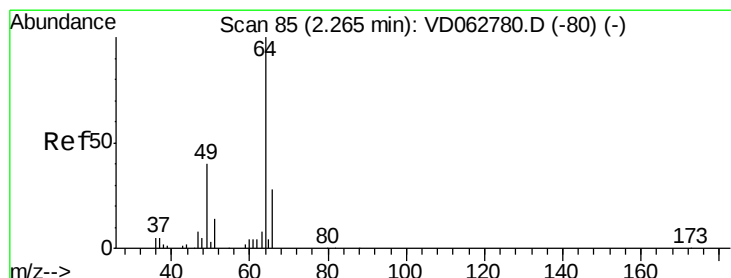
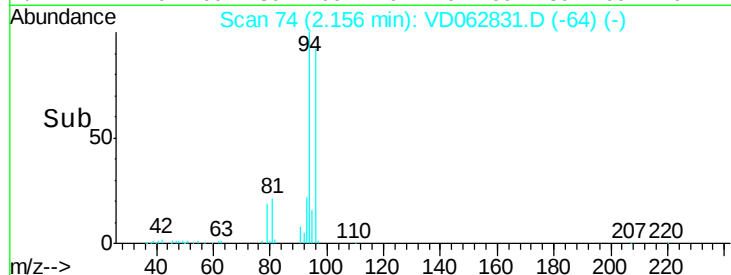
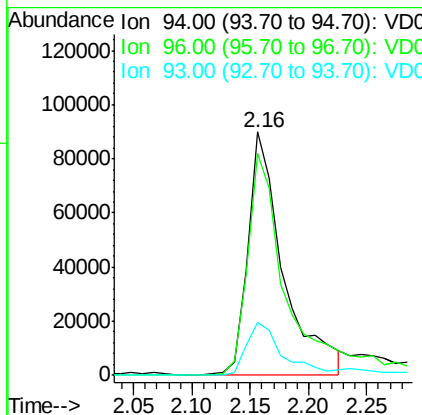
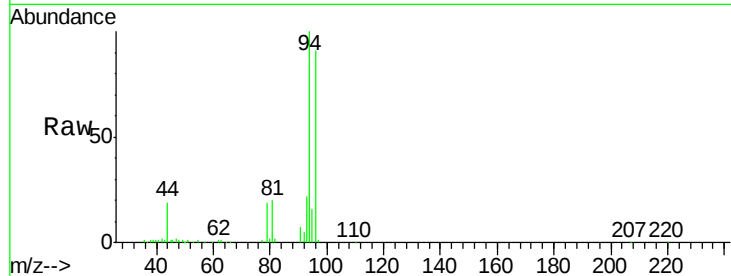
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	190703
Ion	Ratio	Lower	Upper
94	100		
96	91.3	73.4	110.2
93	21.9	18.2	27.4

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#6

Chloroethane

Concen: 49.782 ug/l

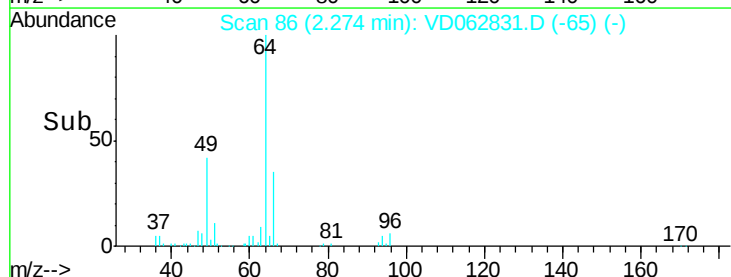
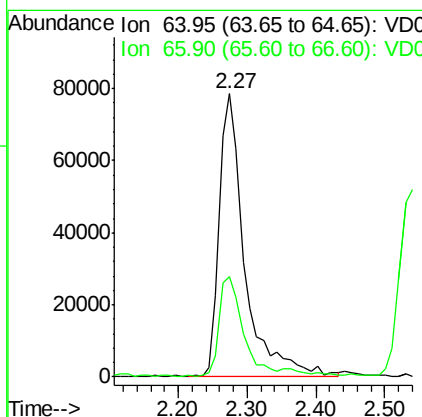
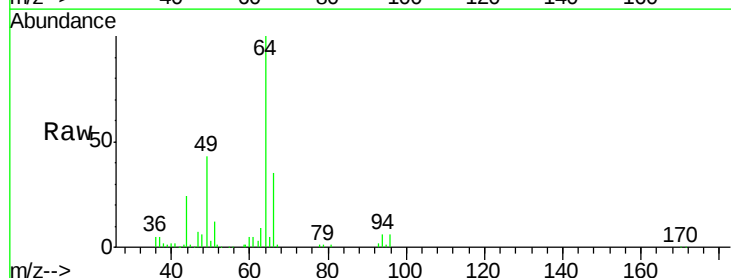
RT: 2.27 min Scan# 86

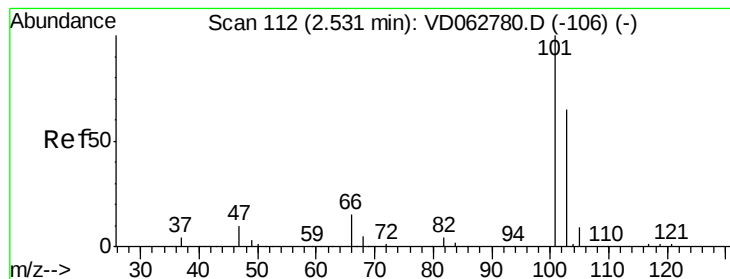
Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Tgt Ion:	64	Resp:	203039
Ion	Ratio	Lower	Upper
64	100		
66	35.3	23.0	34.4#





#7

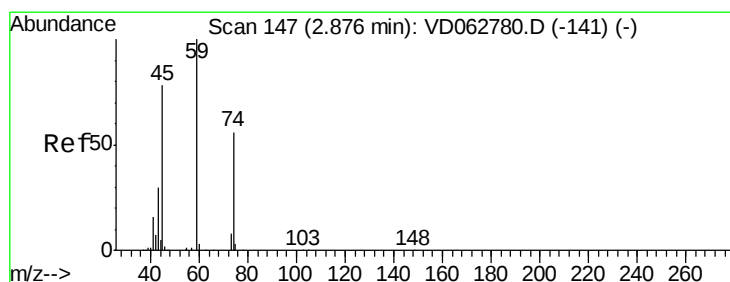
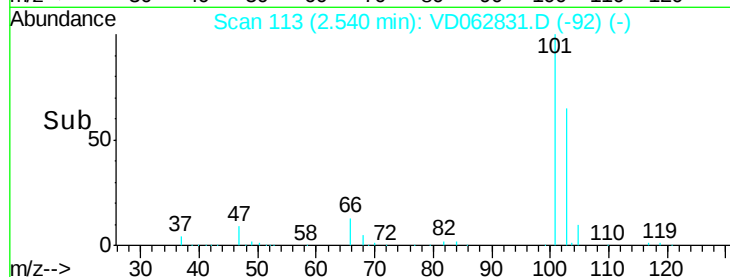
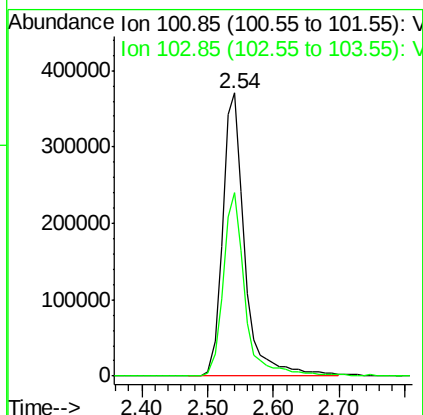
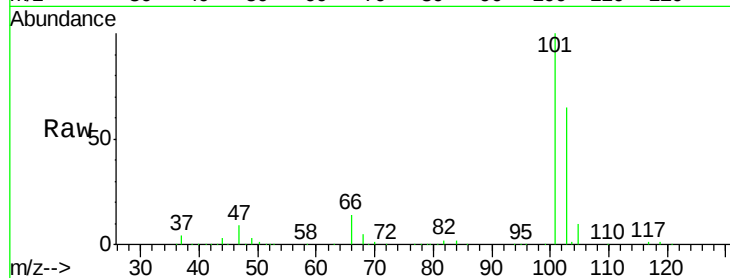
Trichlorofluoromethane
Concen: 47.731 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 870233
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.8

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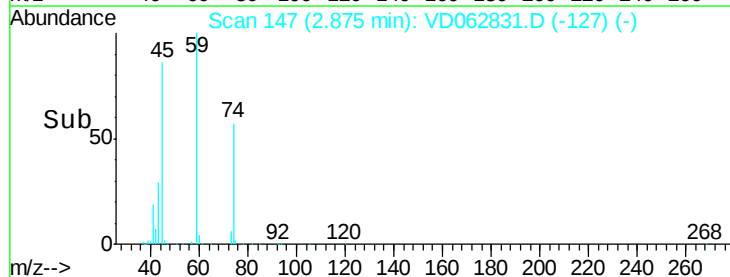
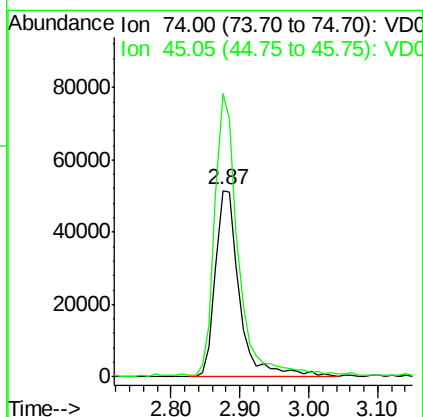
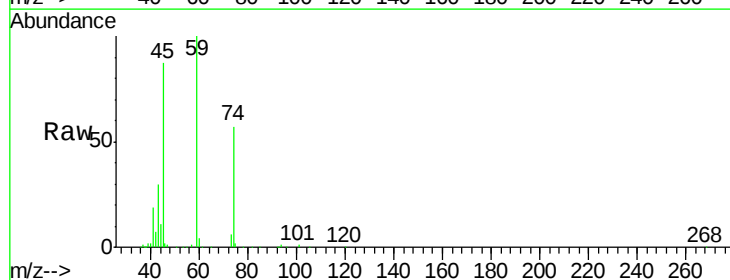
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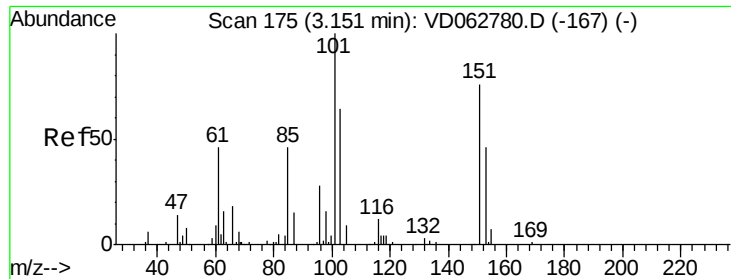


#8

Diethyl Ether
Concen: 54.026 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 74 Resp: 125151
Ion Ratio Lower Upper
74 100
45 151.9 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.366 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

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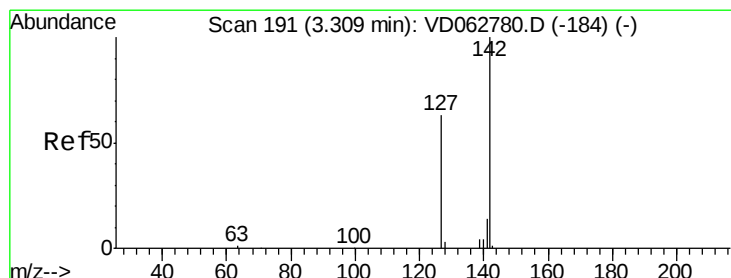
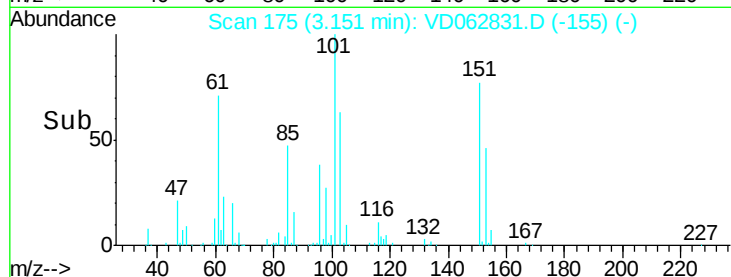
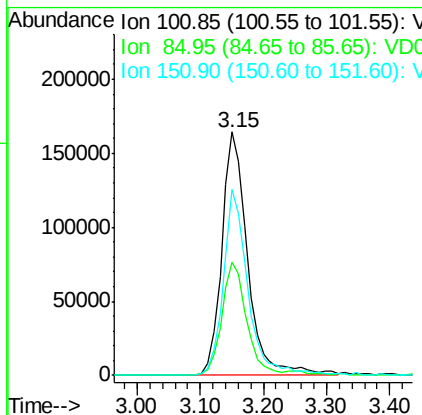
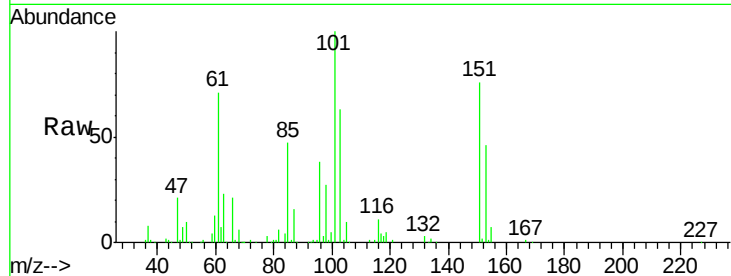
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	467839
Ion Ratio	Lower	Upper	
101	100		
85	46.7	37.0	55.4
151	76.5	60.5	90.7

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#10

Methyl Iodide

Concen: 45.713 ug/l

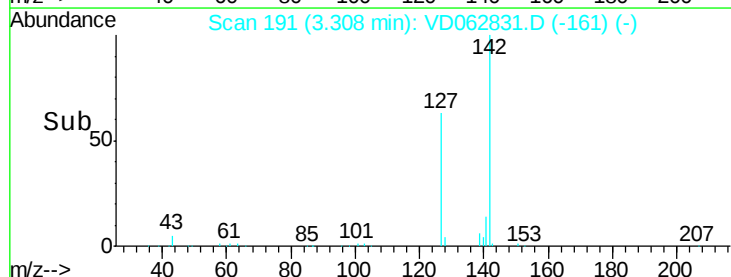
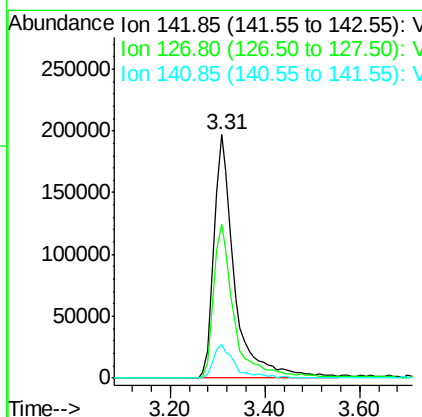
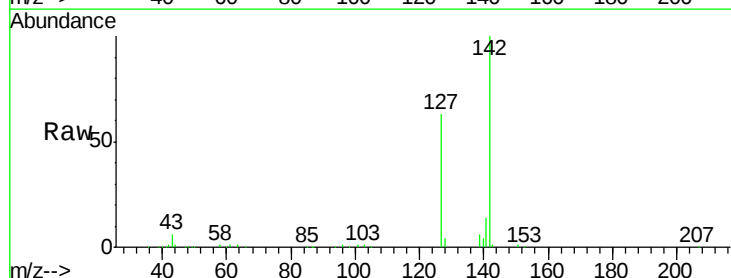
RT: 3.31 min Scan# 191

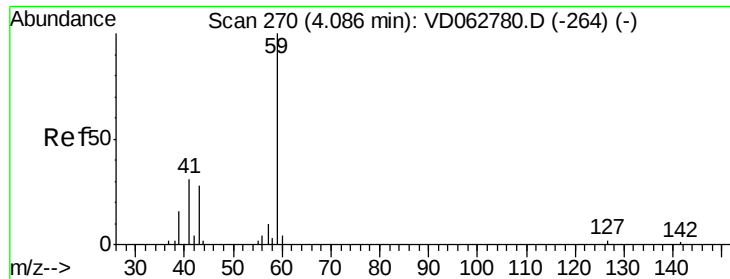
Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Tgt Ion:	142	Resp:	595673
Ion Ratio	Lower	Upper	
142	100		
127	63.3	50.1	75.1
141	14.0	11.0	16.4





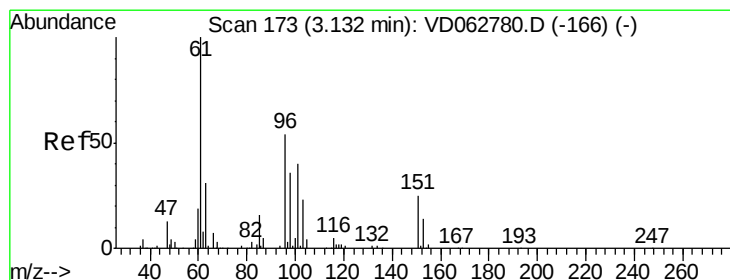
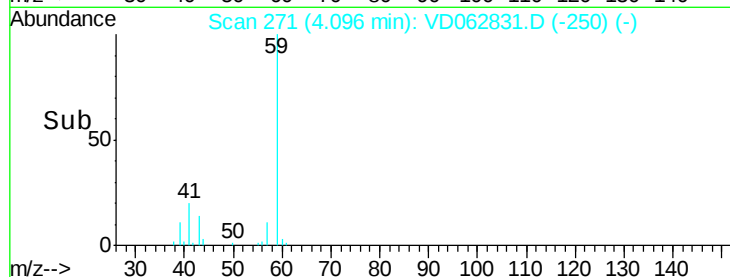
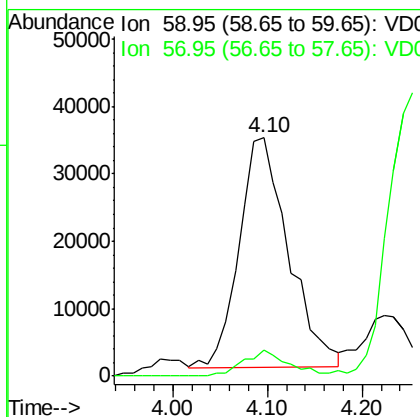
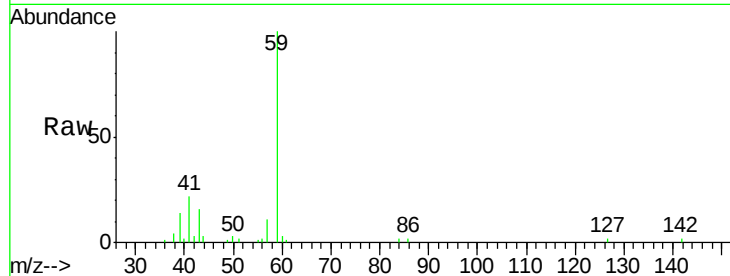
#11
Tert butyl alcohol
Concen: 267.309 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 123551
Ion Ratio Lower Upper
59 100
57 10.8 6.6 10.0#

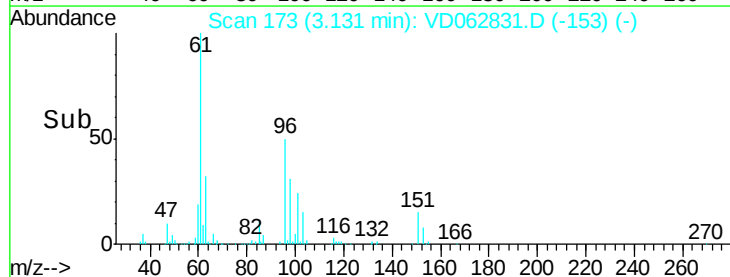
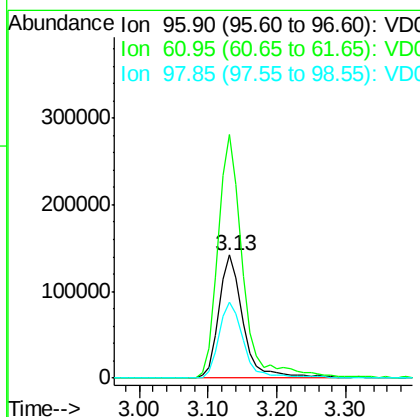
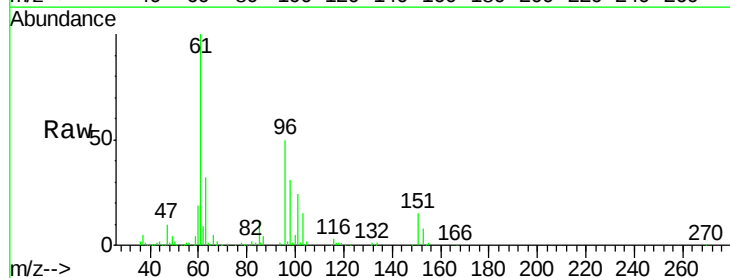
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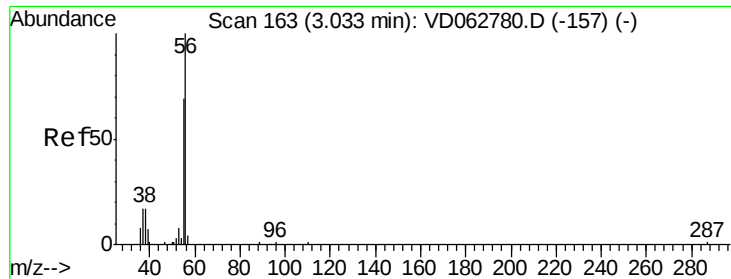
MMDadoda
6/25/2019 10:00:06 AM



#12
1,1-Dichloroethene
Concen: 46.818 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 96 Resp: 346897
Ion Ratio Lower Upper
96 100
61 198.3 147.1 220.7
98 61.5 52.6 79.0





#13

Acrolein

Concen: 261.925 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 123591

Ion Ratio Lower Upper

56 100

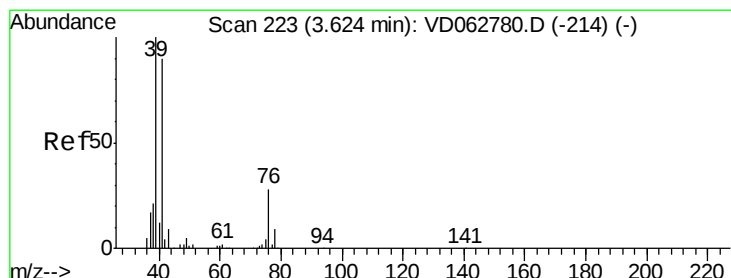
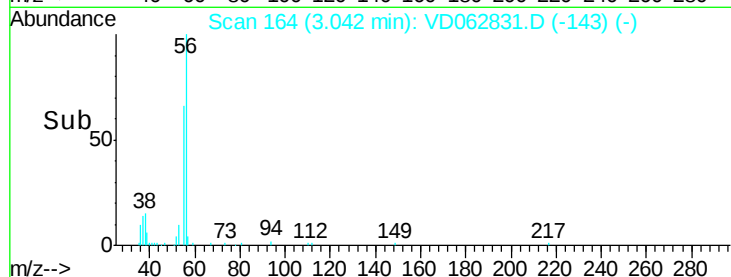
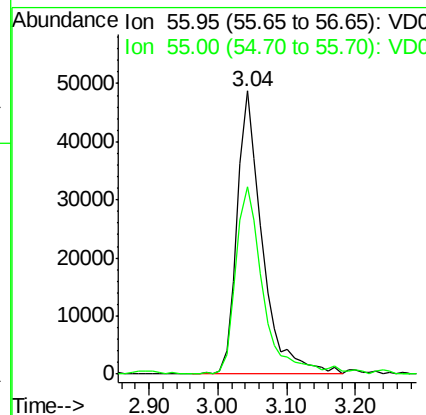
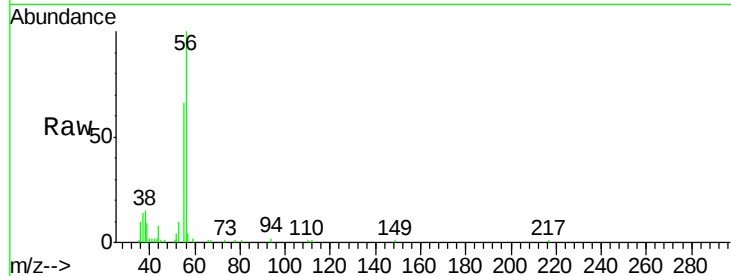
55 66.2 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 47.594 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

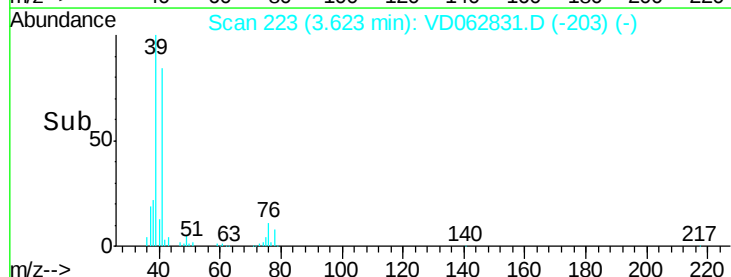
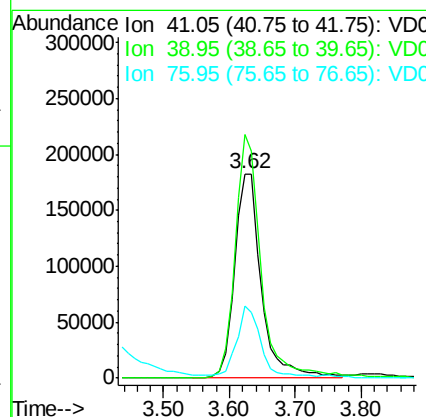
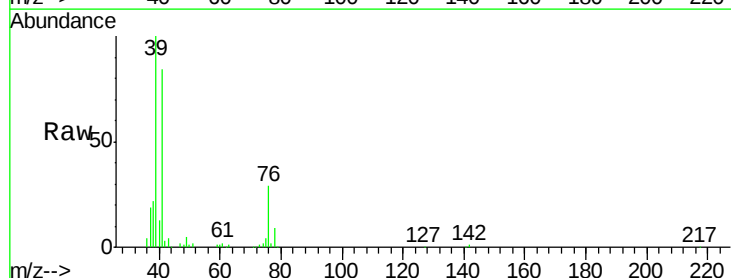
Tgt Ion: 41 Resp: 521074

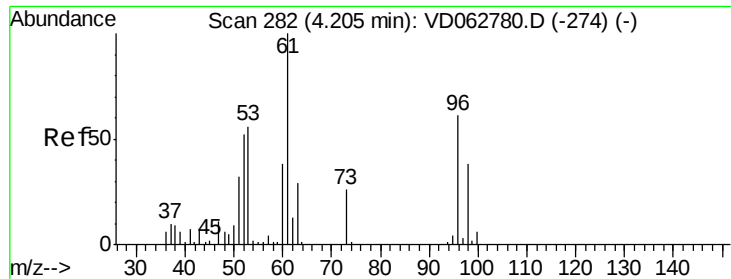
Ion Ratio Lower Upper

41 100

39 119.1 88.8 133.2

76 35.1 26.7 40.1





#15

Acrylonitrile

Concen: 240.973 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

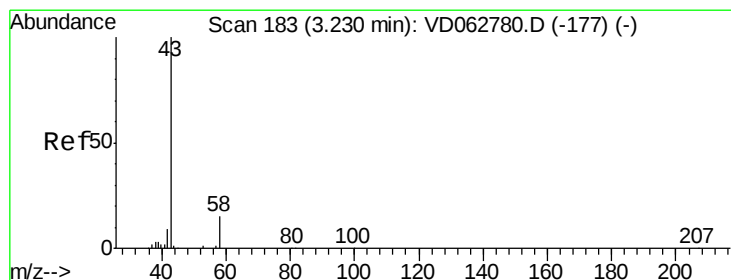
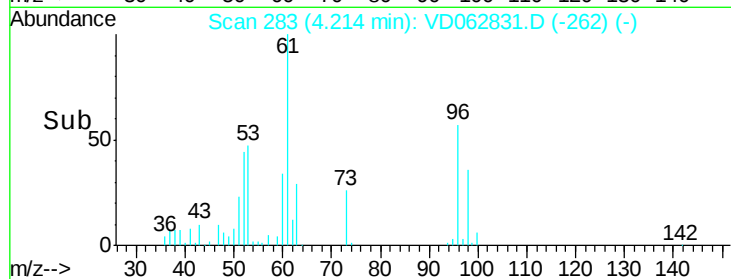
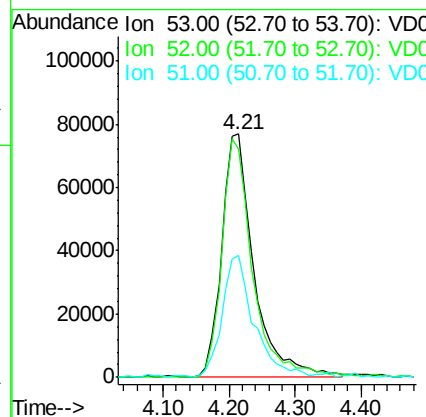
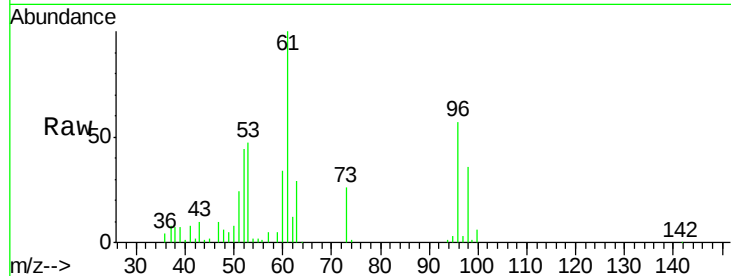
ClientSampleID :

VSTDCCC050

Tot Ion:	53	Resp:	261710
Ion	Ratio	Lower	Upper
53	100		
52	93.7	73.3	109.9
51	50.1	44.8	67.2

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#16

Acetone

Concen: 270.699 ug/l

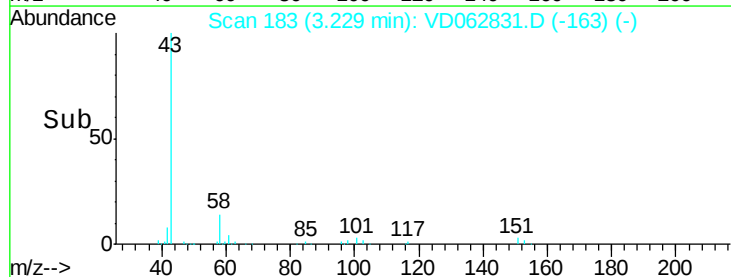
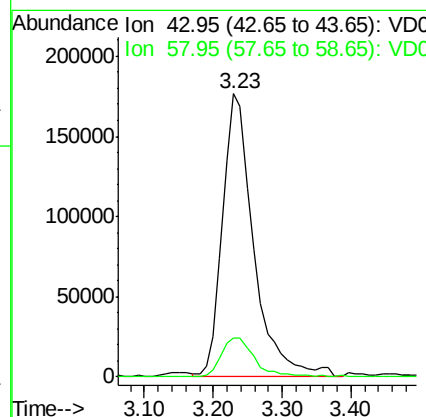
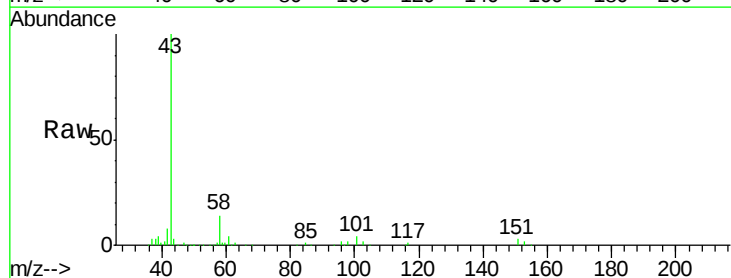
RT: 3.23 min Scan# 183

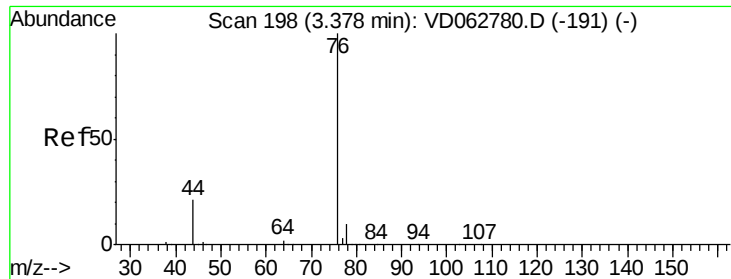
Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Tgt Ion:	43	Resp:	555906
Ion	Ratio	Lower	Upper
43	100		
58	13.9	11.9	17.9





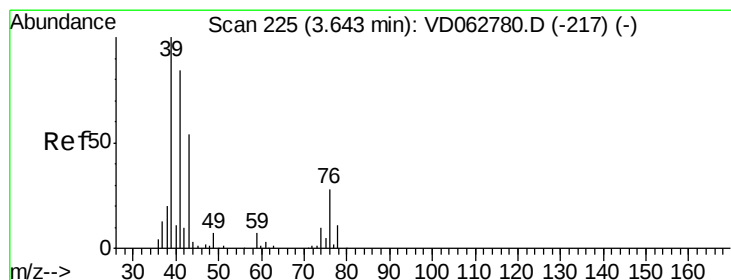
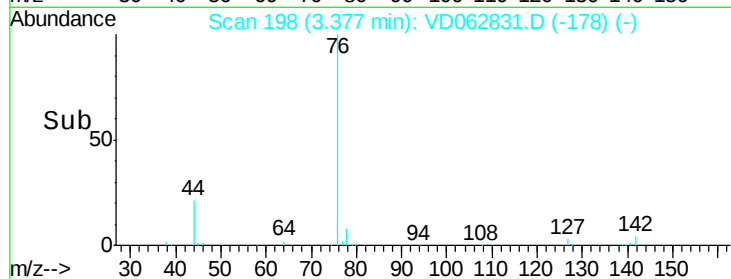
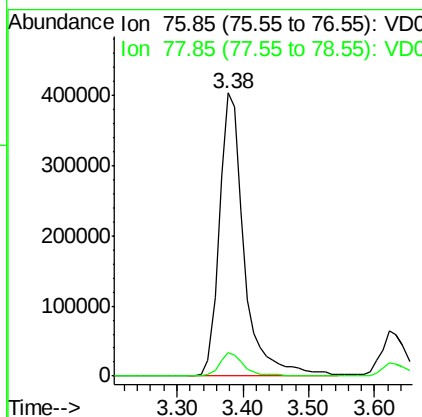
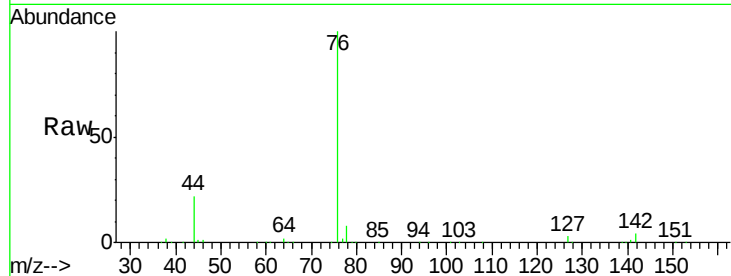
#17
Carbon Disulfide
Concen: 44.653 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1057415
Ion Ratio Lower Upper
76 100
78 8.3 8.0 12.0

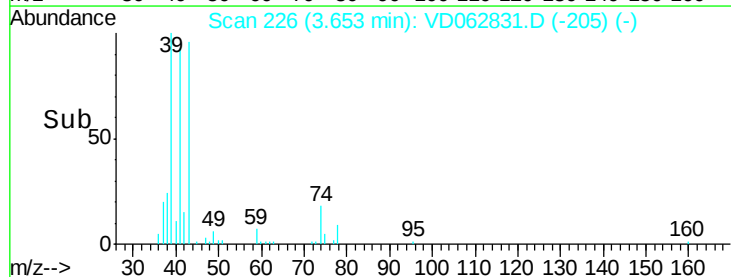
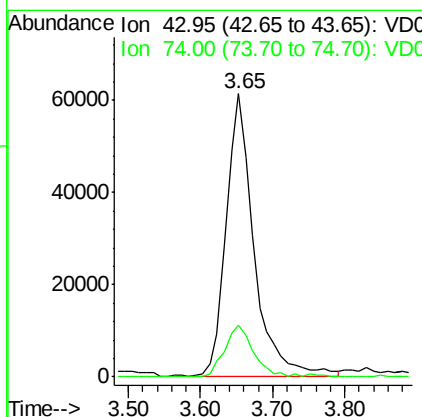
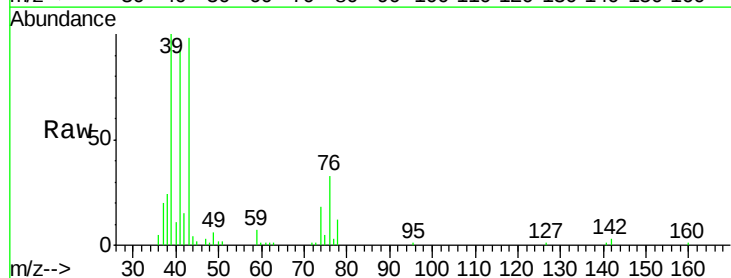
Manual Integrations
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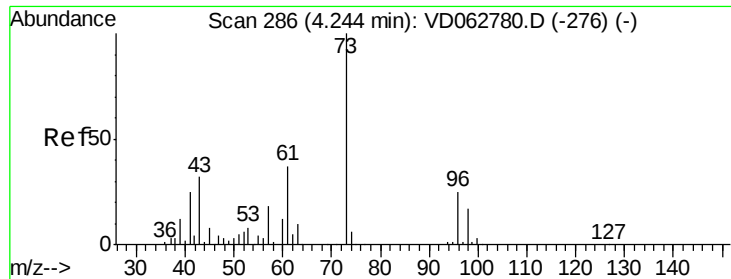
MMDadoda
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#18
Methyl Acetate
Concen: 54.430 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 43 Resp: 166747
Ion Ratio Lower Upper
43 100
74 18.2 15.2 22.8





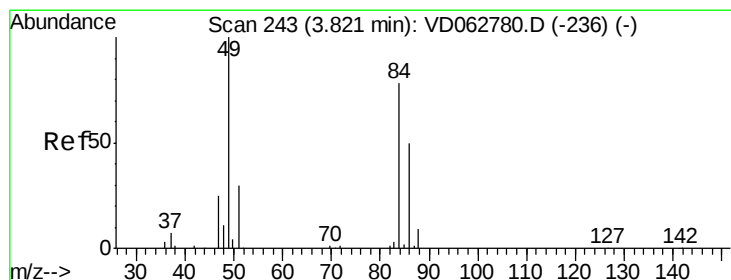
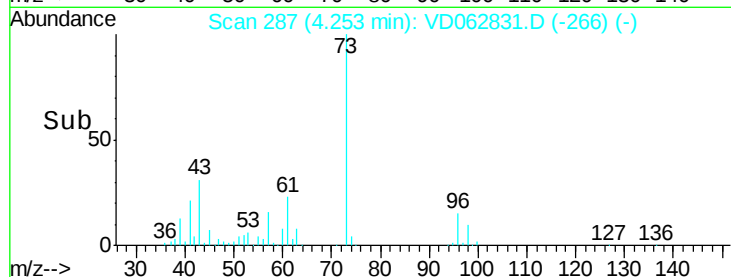
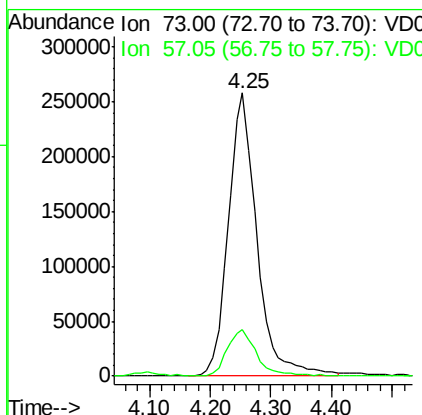
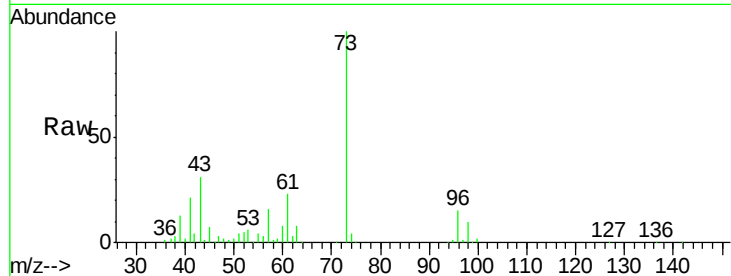
#19
Methyl tert-butyl Ether
Concen: 52.623 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 844084
Ion Ratio Lower Upper
73 100
57 16.3 14.3 21.5

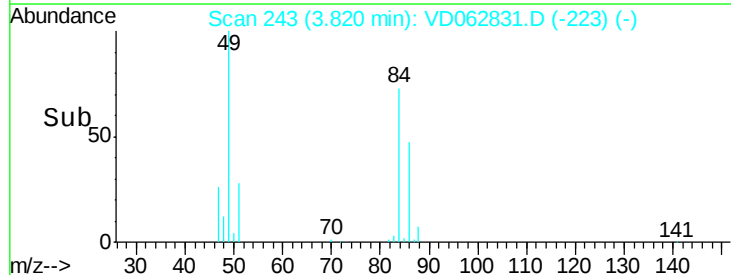
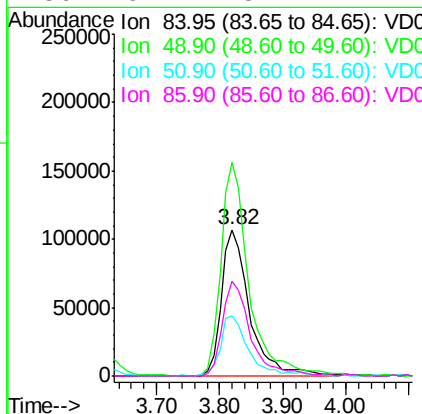
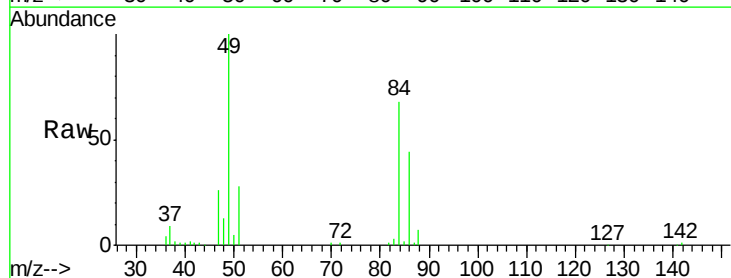
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#20
Methylene Chloride
Concen: 42.948 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 84 Resp: 332399
Ion Ratio Lower Upper
84 100
49 146.3 102.9 154.3
51 41.0 31.2 46.8
86 64.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 44.402 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 350313

Ion Ratio Lower Upper

96 100

61 153.3 131.0 196.4

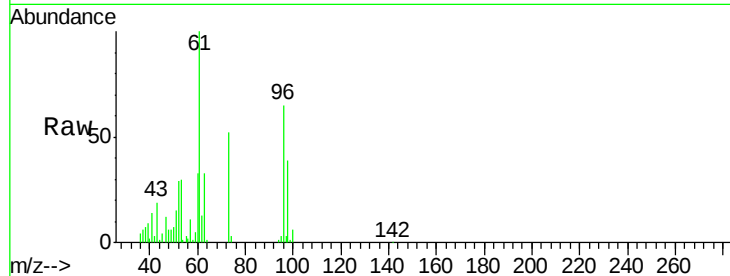
98 60.1 53.2 79.8

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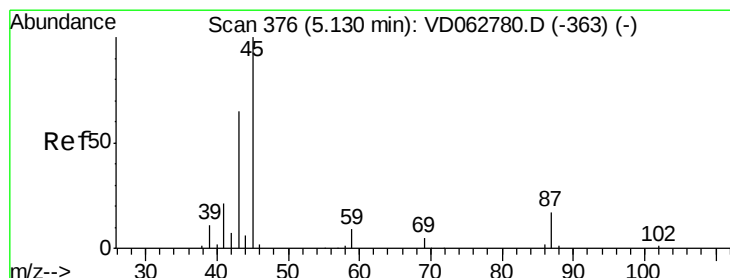
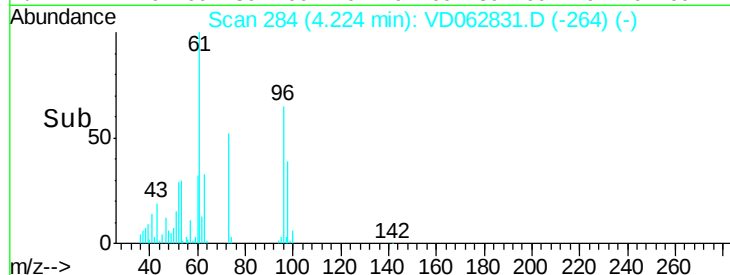
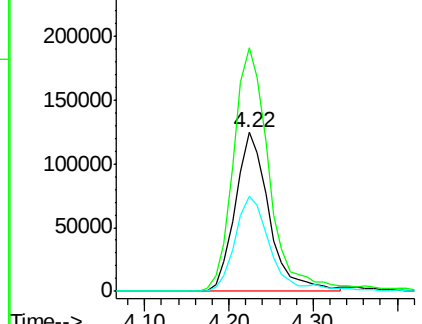
6/25/2019 10:00:06 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 49.569 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Tgt Ion: 45 Resp: 1103663

Ion Ratio Lower Upper

45 100

43 82.6 53.4 80.0#

87 17.7 14.6 22.0

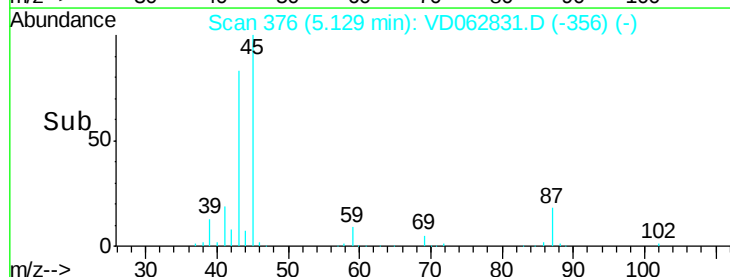
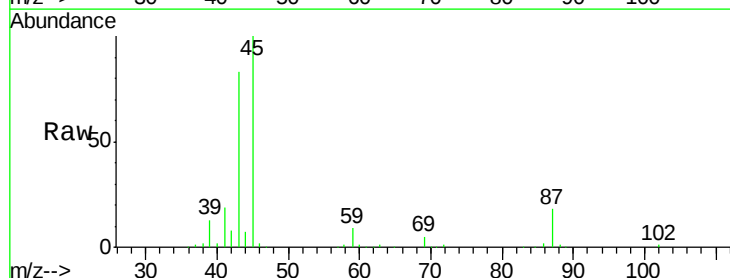
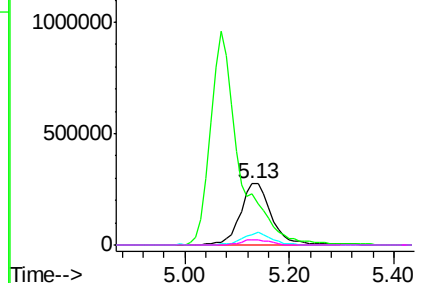
59 8.8 7.8 11.8

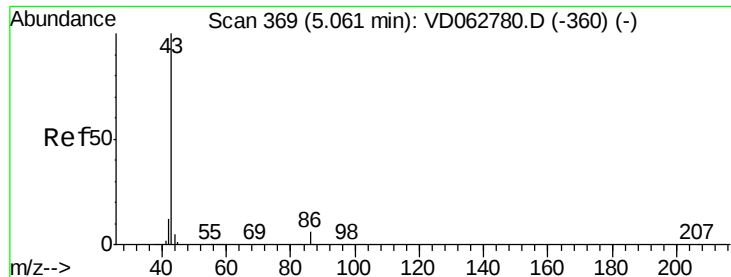
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 260.113 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 3623983

Ion Ratio Lower Upper

43 100

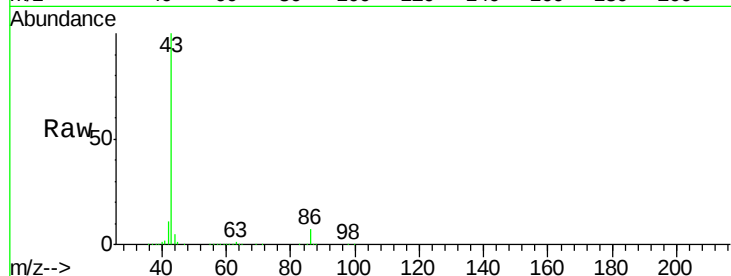
86 7.0 4.7 7.1

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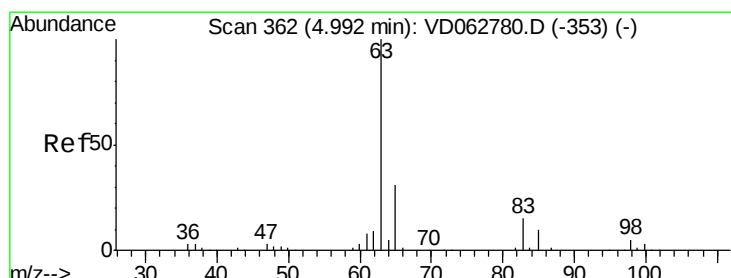
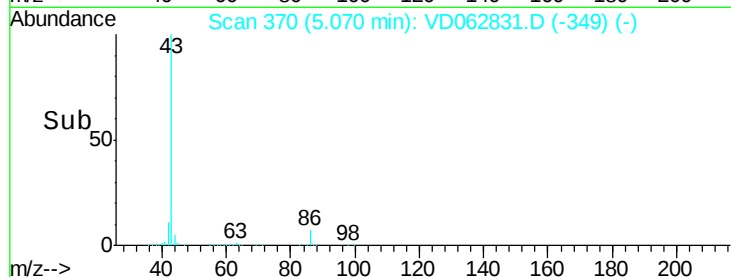
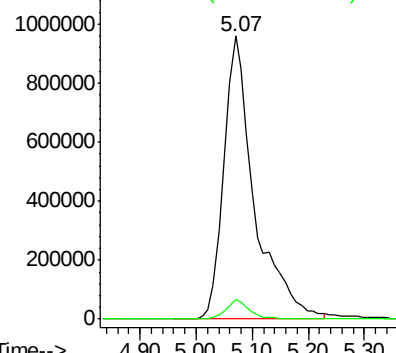
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.015 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

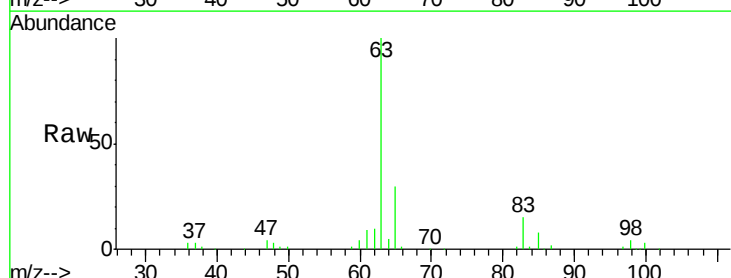
Tgt Ion: 63 Resp: 681555

Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.9

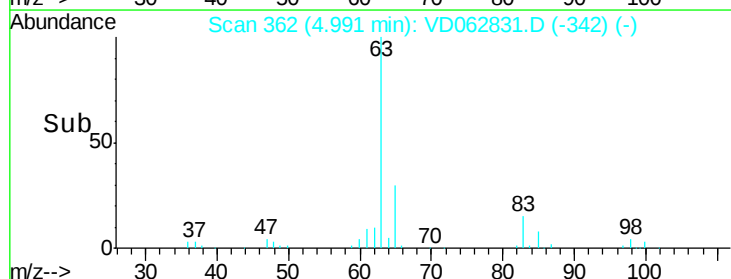
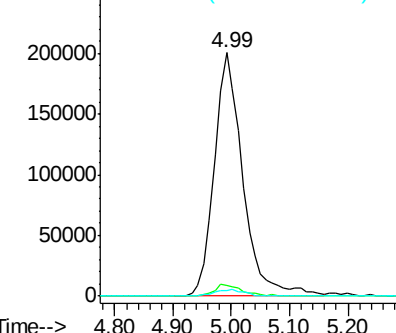
100 2.5 1.7 5.1

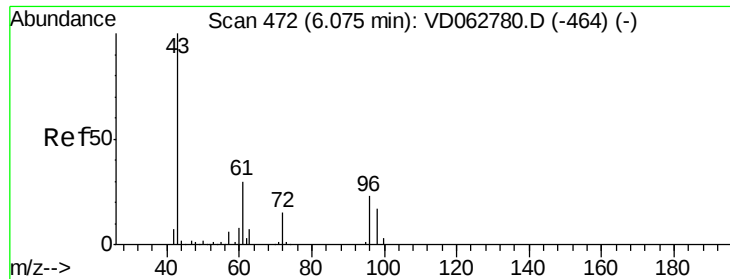


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 271.440 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 515208

Ion Ratio Lower Upper

43 100

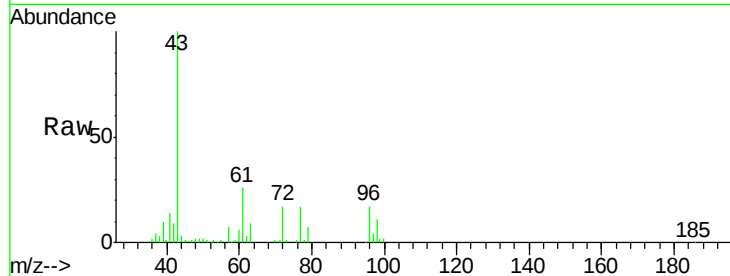
72 17.2 11.9 17.9

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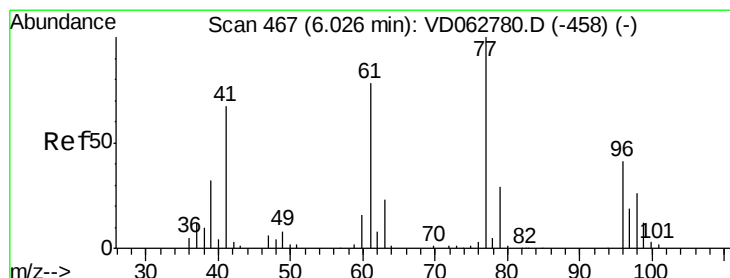
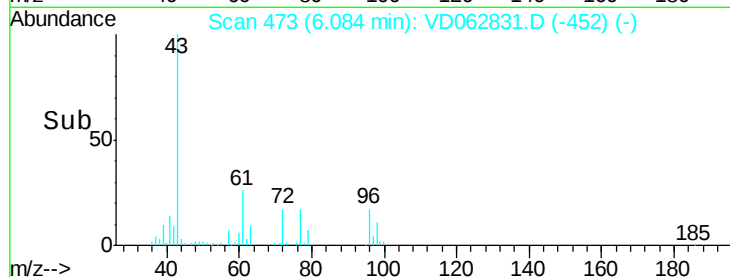
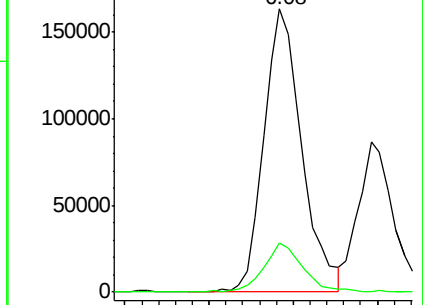
MMDadoda

6/25/2019 10:00:06 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.232 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062831.D

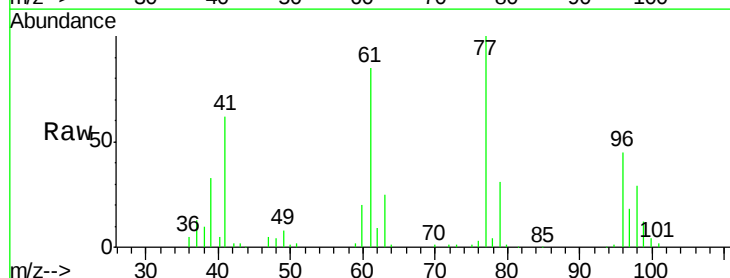
Acq: 24 Jun 2019 10:46

Tgt Ion: 77 Resp: 771843

Ion Ratio Lower Upper

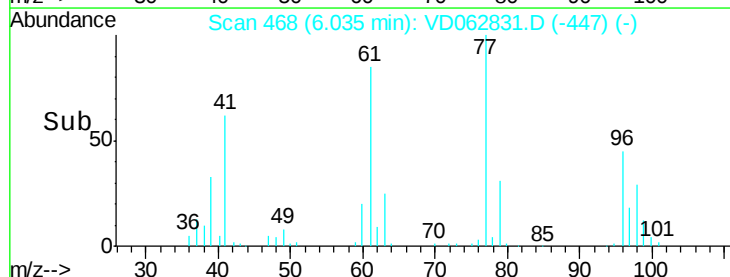
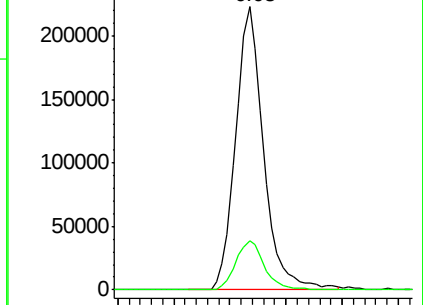
77 100

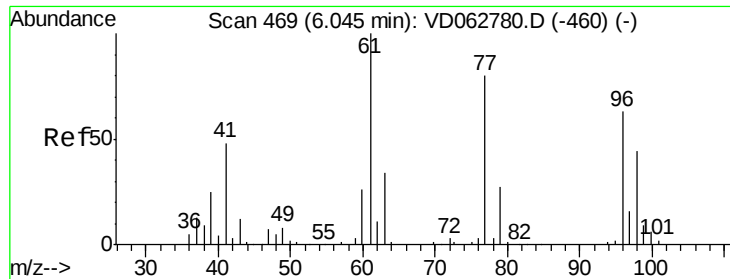
97 17.5 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

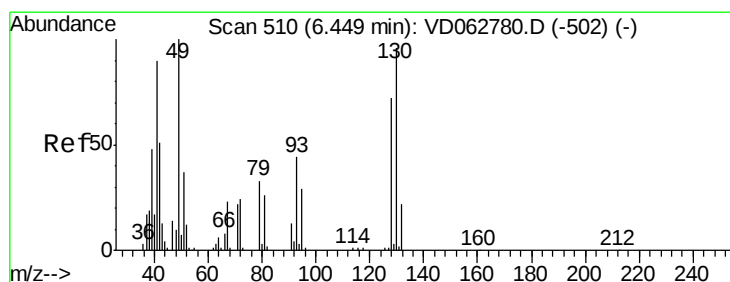
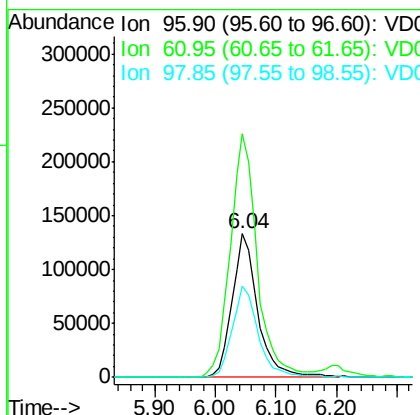
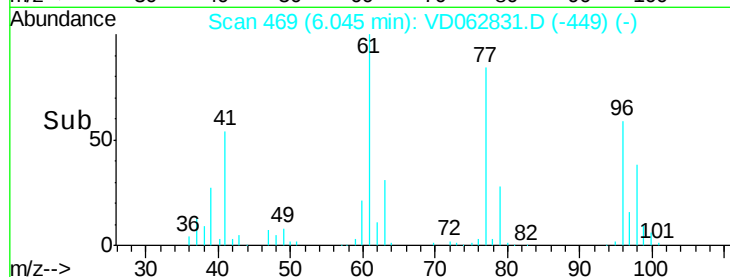
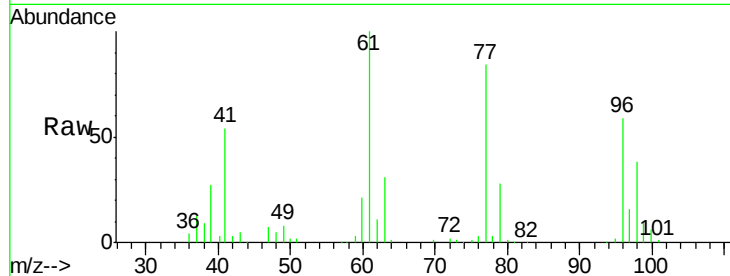
cis-1,2-Dichloroethene
Concen: 46.742 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	389976		
61	170.1	0.0	316.0	
98	64.2	0.0	138.4	

Manual Integrations
APPROVED

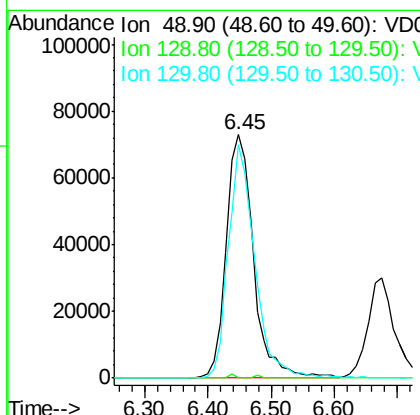
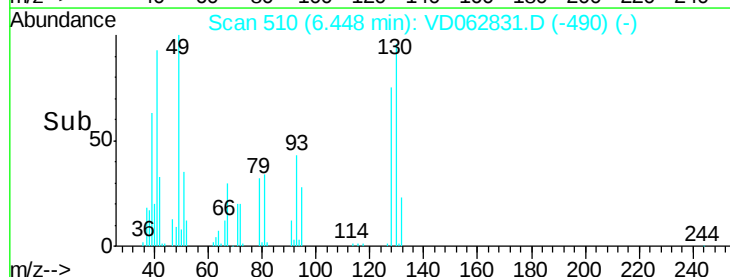
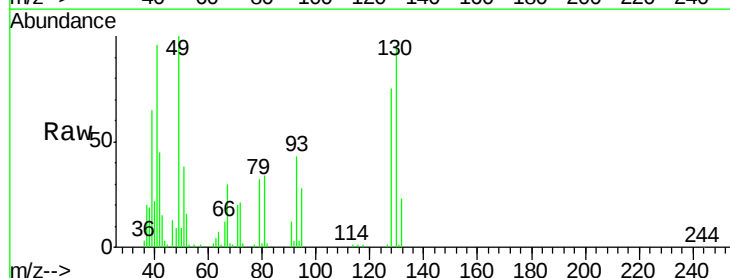
MMDadoda
6/25/2019 10:00:06 AM

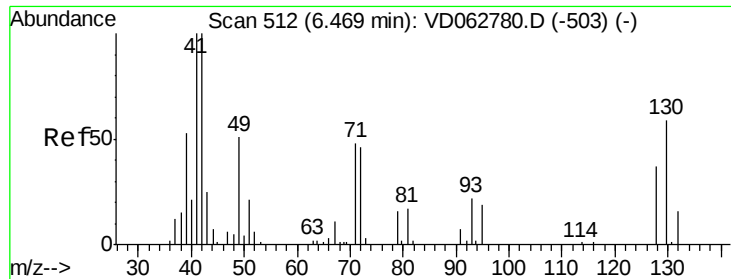


#28

Bromochloromethane
Concen: 42.752 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	218275		
129	0.0	0.0	5.6	
130	96.0	76.6	114.8	





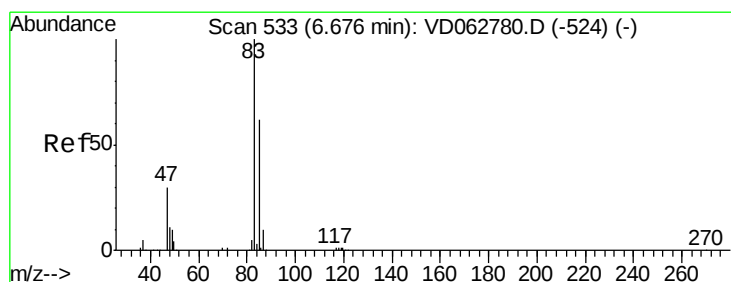
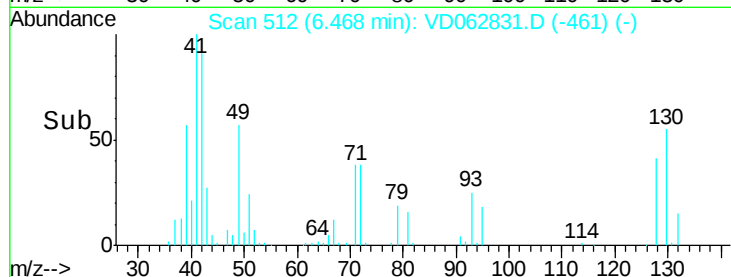
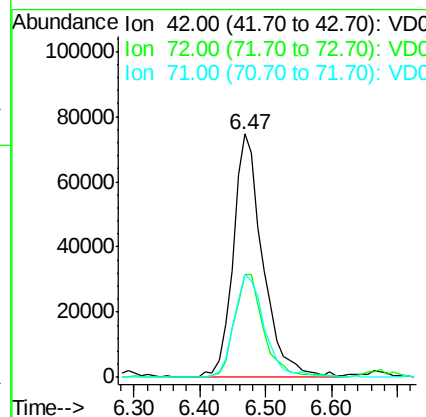
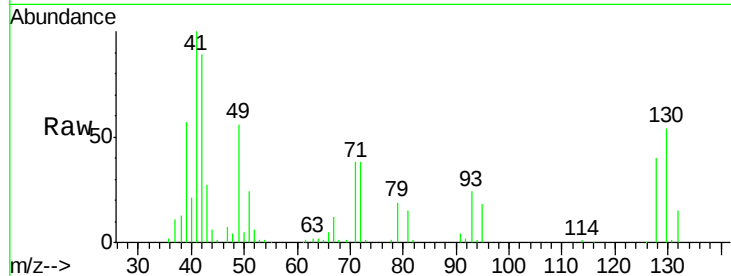
#29
Tetrahydrofuran
Concen: 263.152 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	35.0	52.6
71	43.3	33.3	49.9

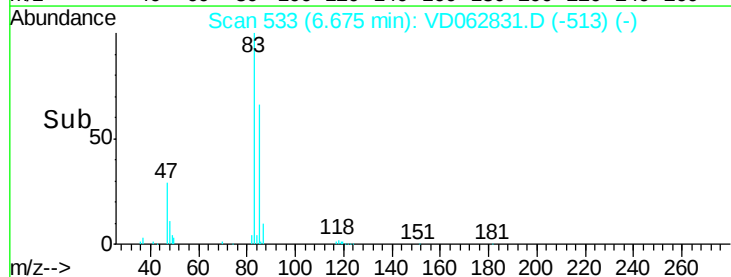
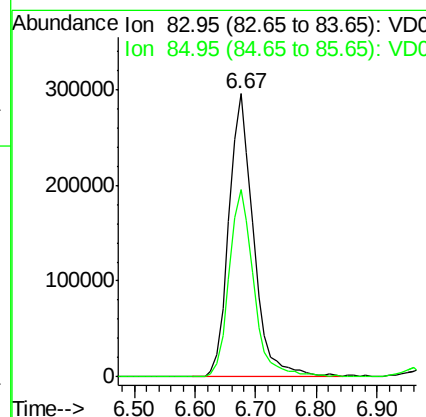
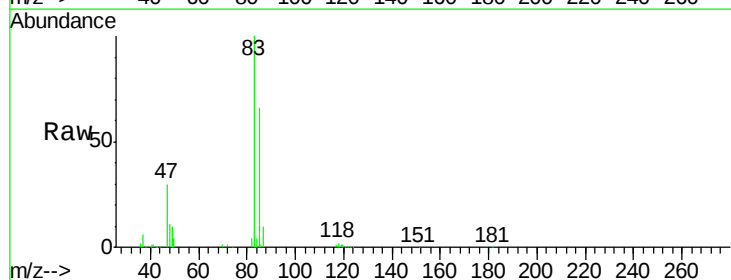
Manual Integrations
APPROVED

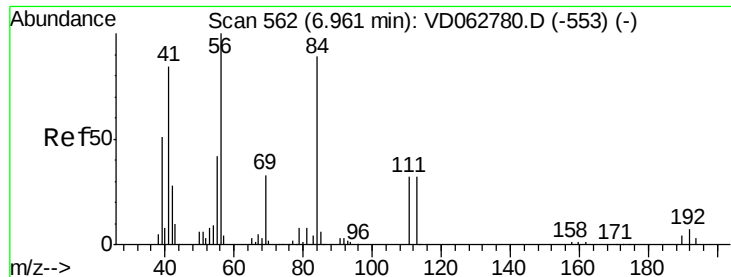
MMDadoda
6/25/2019 10:00:06 AM



#30
Chloroform
Concen: 47.471 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.8	74.6





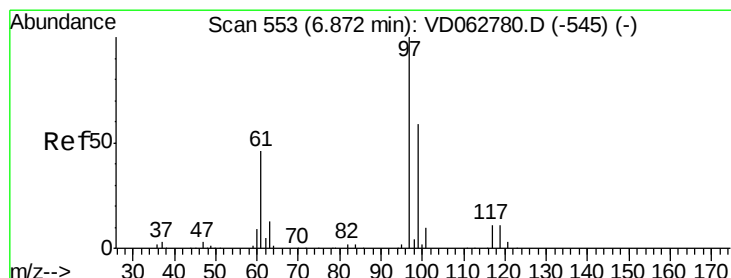
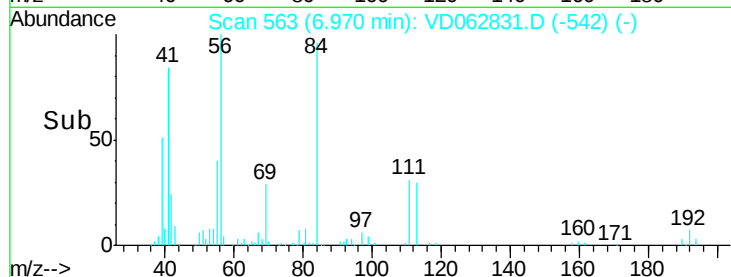
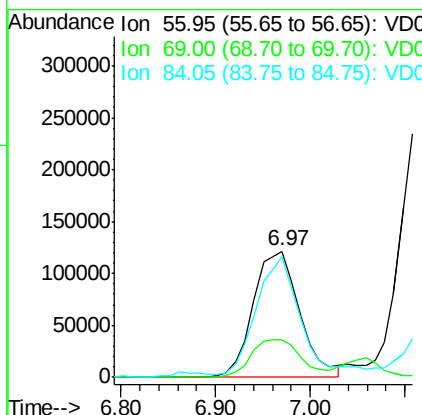
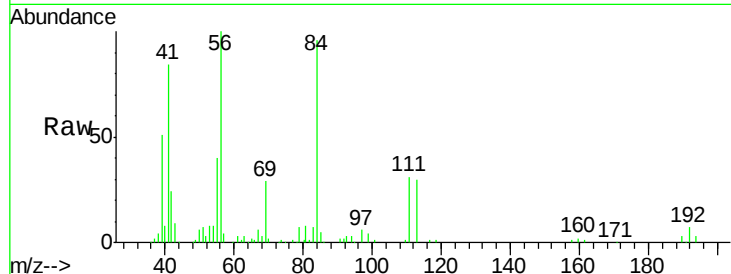
#31
Cyclohexane
Concen: 43.411 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	26.6	39.8
84	96.2	75.5	113.3

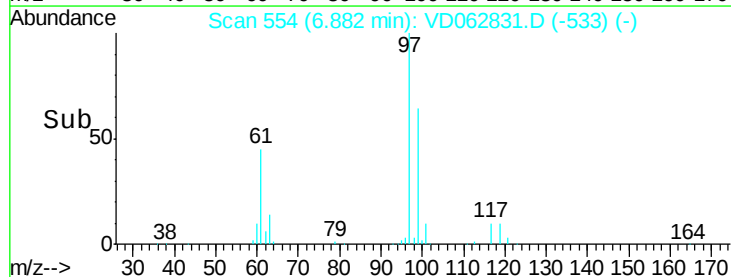
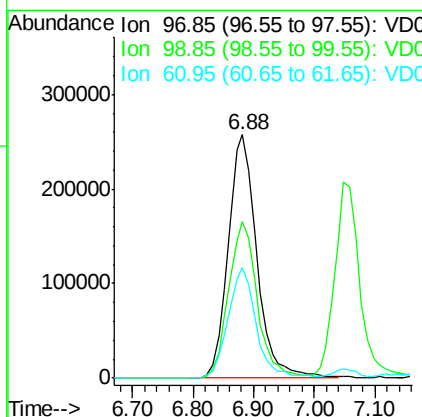
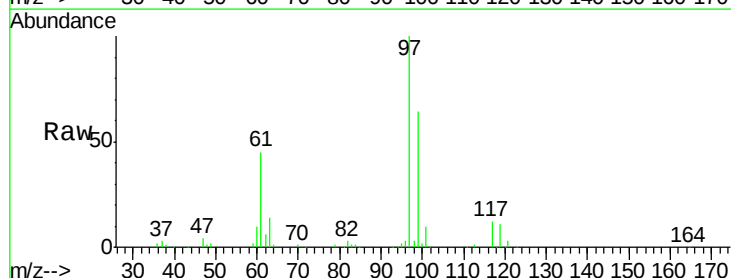
Manual Integrations
APPROVED

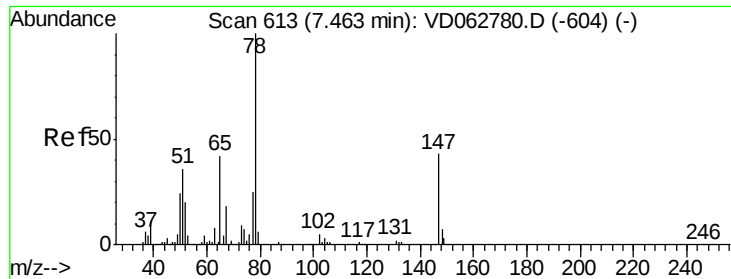
MMDadoda
6/25/2019 10:00:06 AM



#32
1,1,1-Trichloroethane
Concen: 45.790 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	47.4	71.2
61	45.1	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 56.452 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 572896

Ion Ratio Lower Upper

65 100

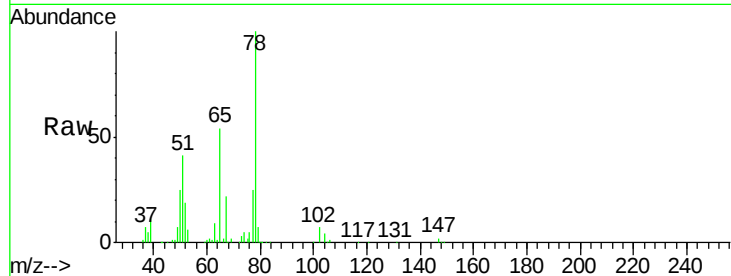
67 41.7 0.0 87.4

Manual Integrations

APPROVED

MMDadoda

6/25/2019 10:00:06 AM



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

250000

200000

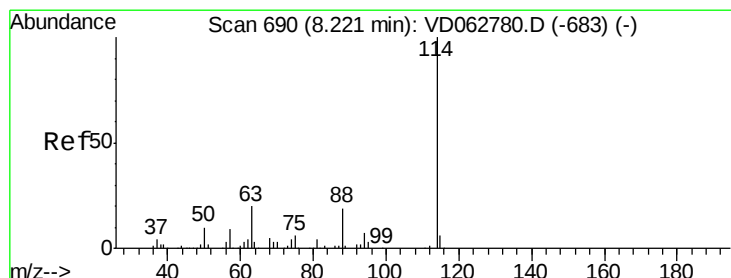
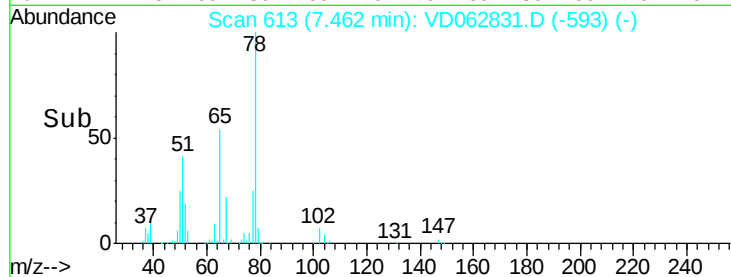
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

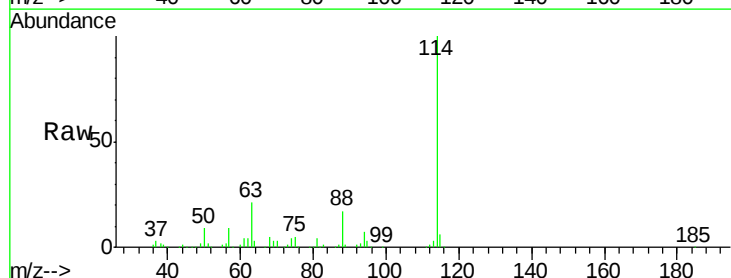
Tgt Ion: 114 Resp: 1252372

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 17.2 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

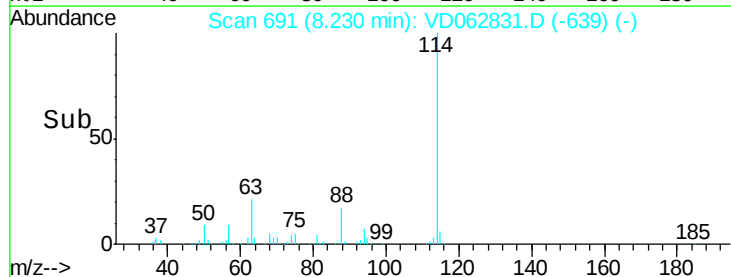
600000

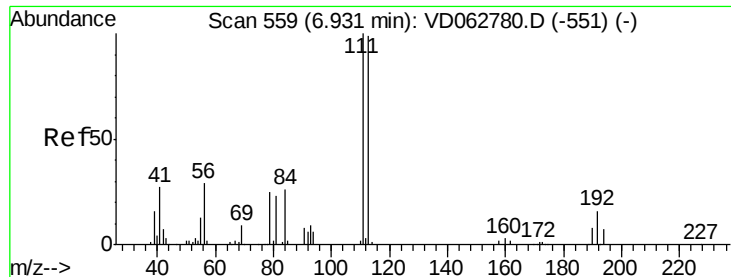
400000

200000

0

Time--> 8.00 8.20 8.40 8.60





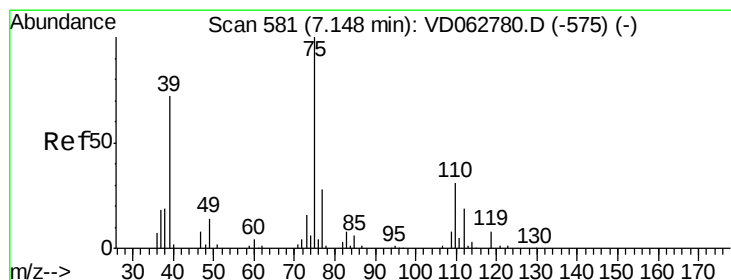
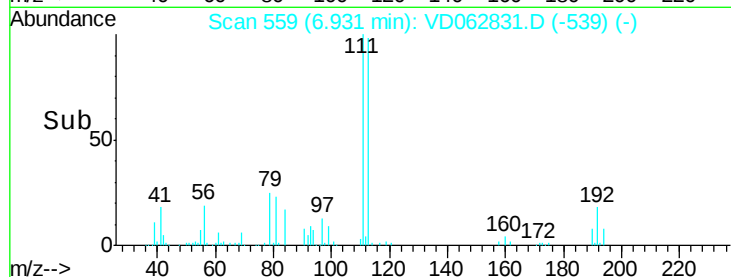
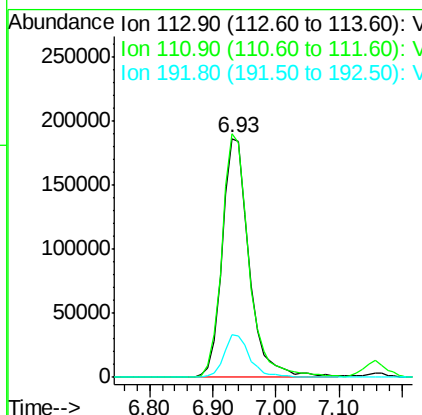
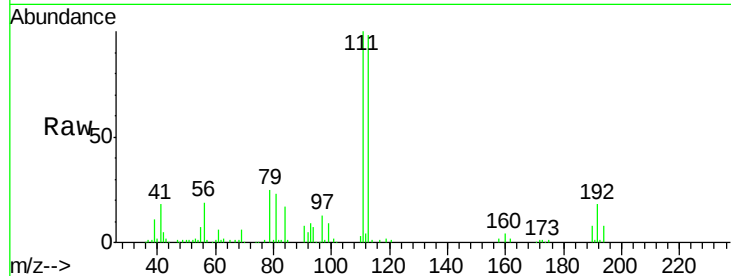
#35
Dibromofluoromethane
Concen: 52.319 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	552491		
111	102.0		81.2	121.8
192	17.9		12.9	19.3

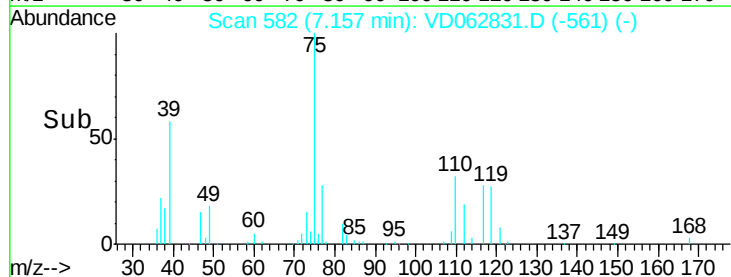
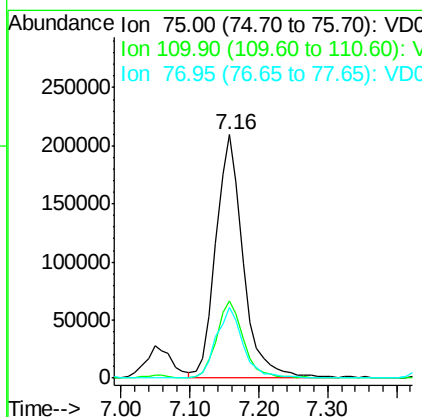
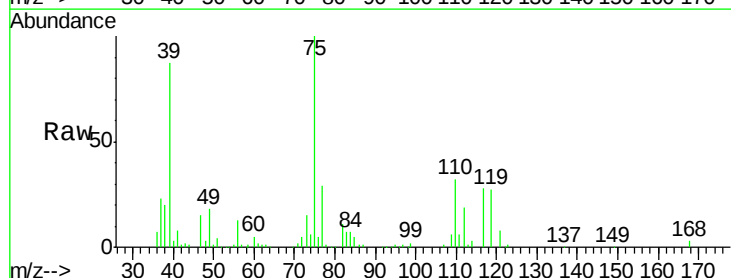
Manual Integrations
APPROVED

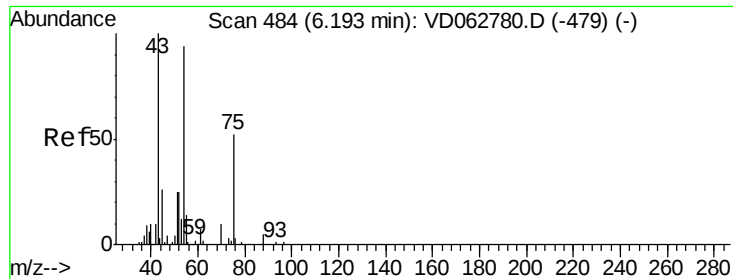
MMDadoda
6/25/2019 10:00:06 AM



#36
1,1-Dichloropropene
Concen: 48.017 ug/l
RT: 7.16 min Scan# 582
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	569268		
110	31.9		15.0	45.1
77	29.1		22.2	33.2





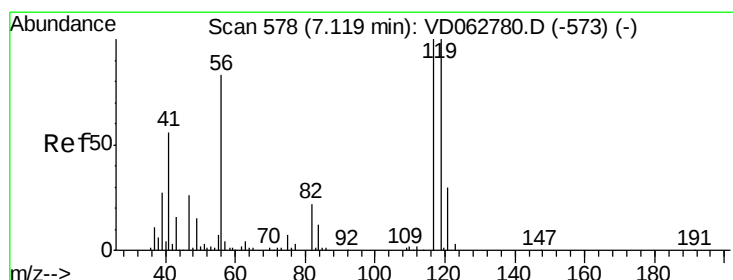
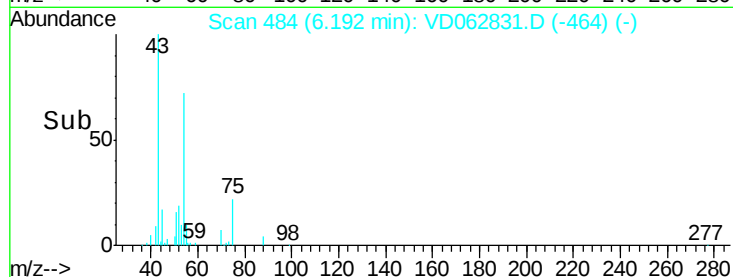
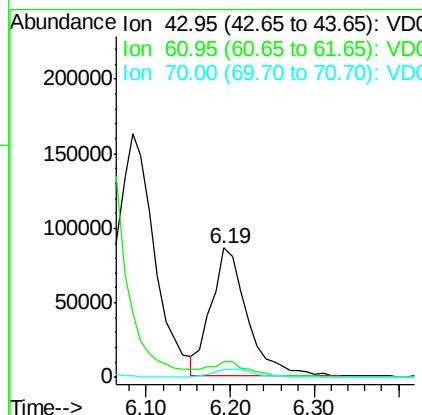
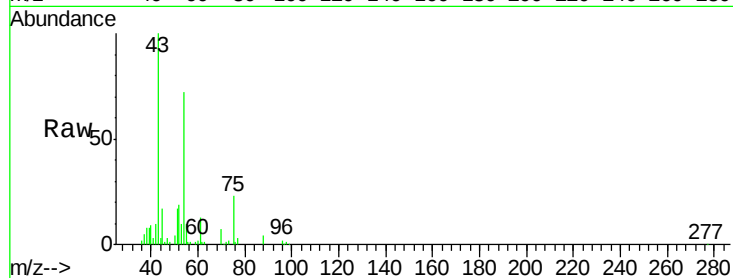
#37
Ethyl Acetate
Concen: 51.467 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.6	17.4
70	6.7	6.4	9.6

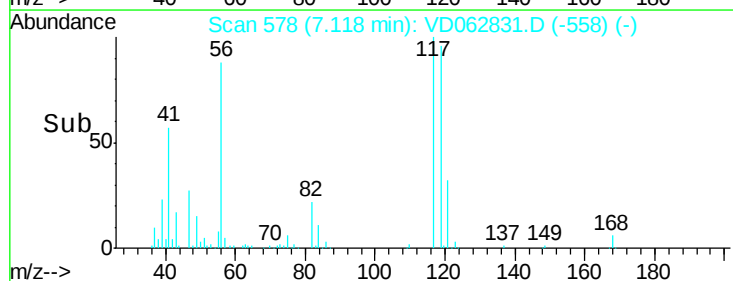
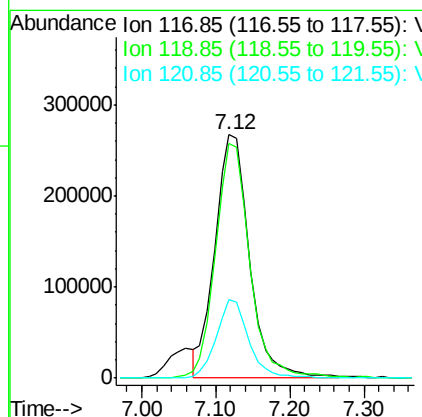
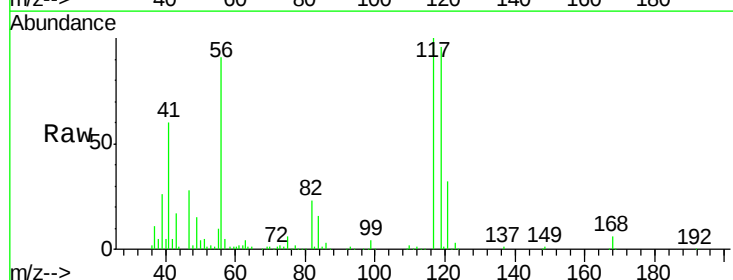
Manual Integrations
APPROVED

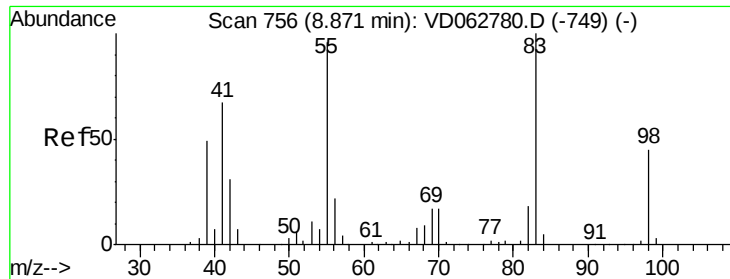
MMDadoda
6/25/2019 10:00:06 AM



#38
Carbon Tetrachloride
Concen: 48.933 ug/l m
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.4	113.2
121	32.4	22.3	33.5





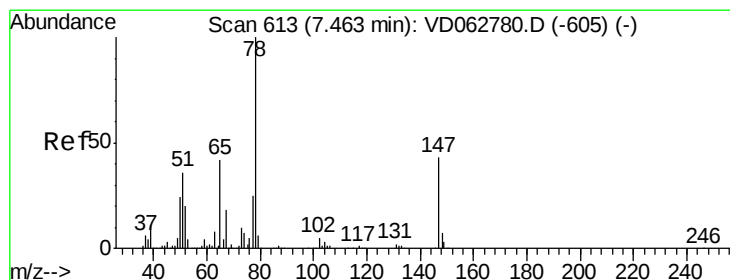
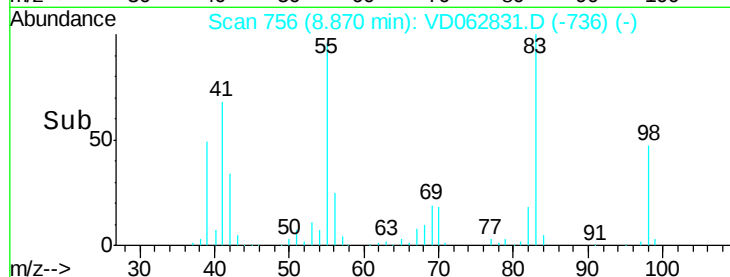
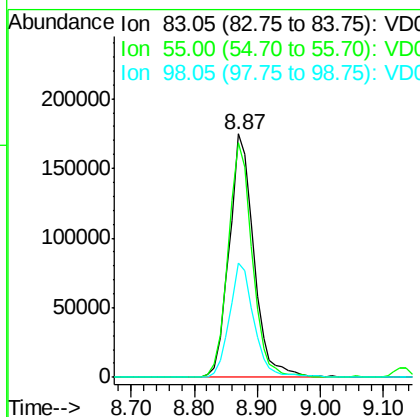
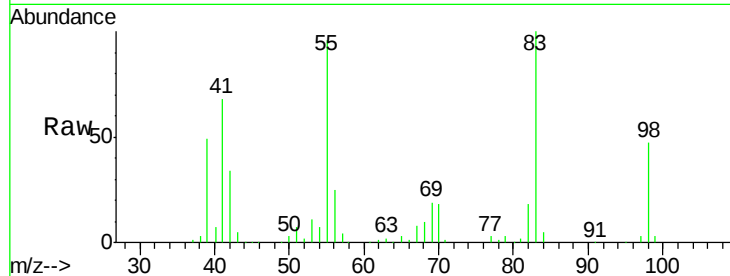
#39
Methvlcvclohexane
Concen: 45.163 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 471307
Ion Ratio Lower Upper
83 100
55 96.3 76.6 115.0
98 46.7 35.7 53.5

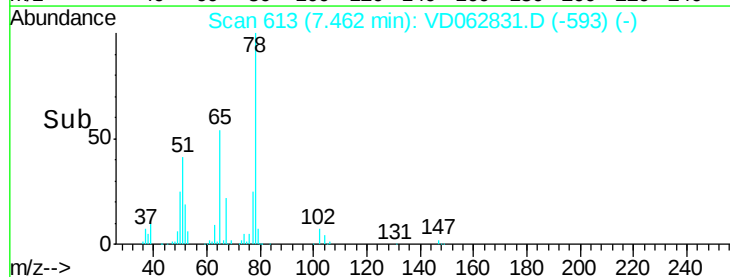
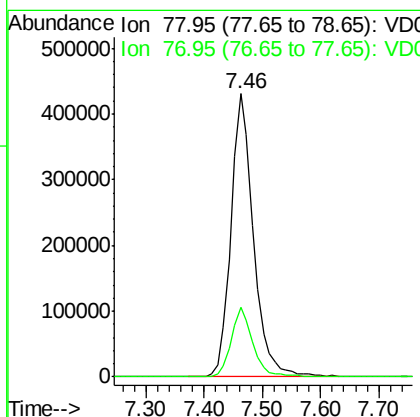
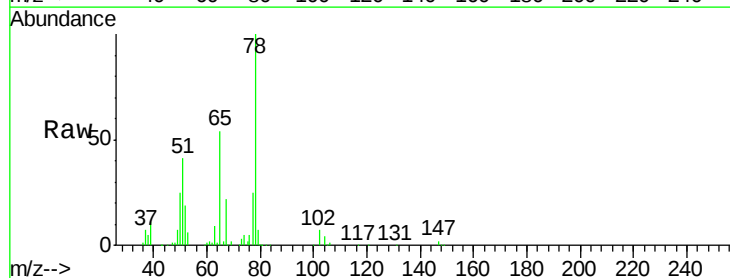
Manual Integrations
APPROVED

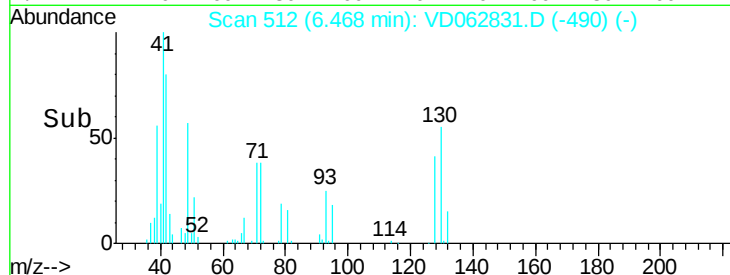
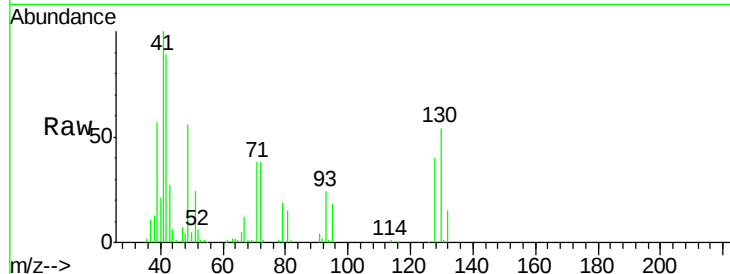
MMDadoda
6/25/2019 10:00:06 AM



#40
Benzene
Concen: 48.437 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 78 Resp: 1152684
Ion Ratio Lower Upper
78 100
77 24.6 20.2 30.2





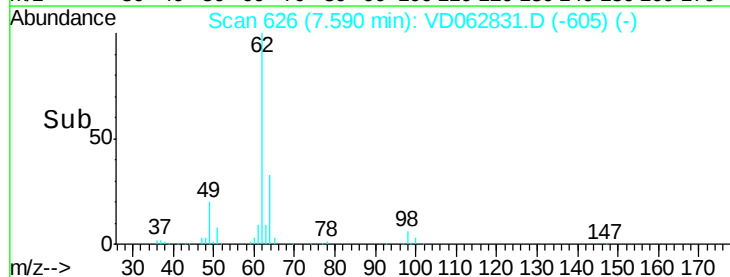
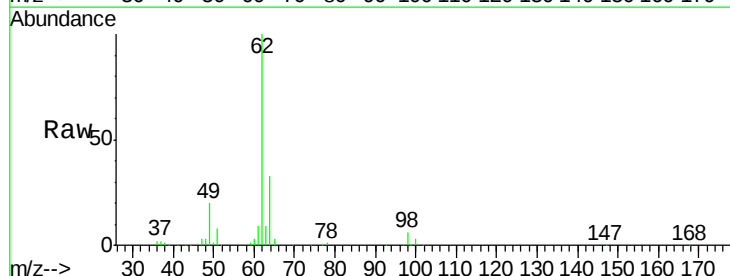
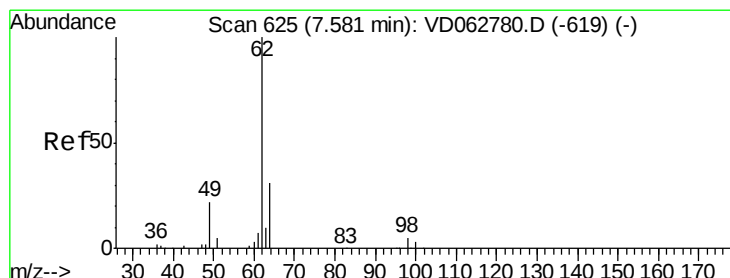
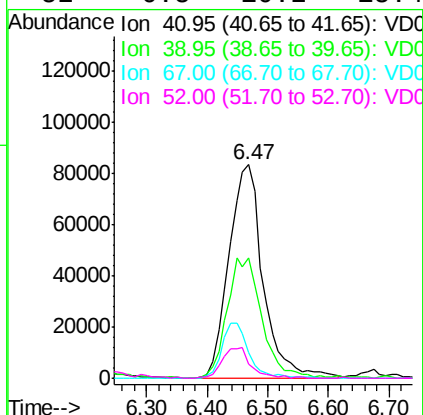
#41
Methacrylonitrile
Concen: 52.371 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.5	43.2	64.8
67	12.0	19.9	29.9
52	6.5	10.2	15.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

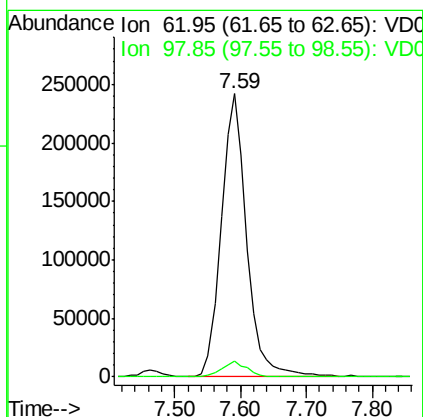
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#42
1,2-Dichloroethane
Concen: 50.055 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	10.0





#43

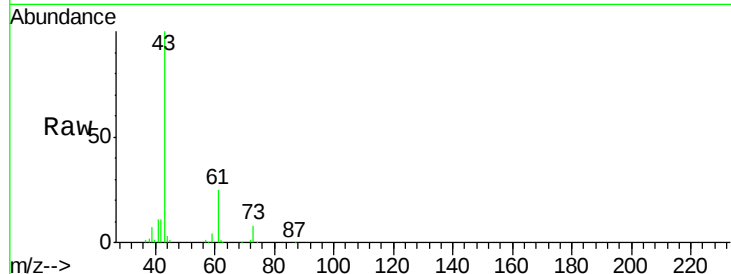
Isopropyl Acetate
 Concen: 53.858 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

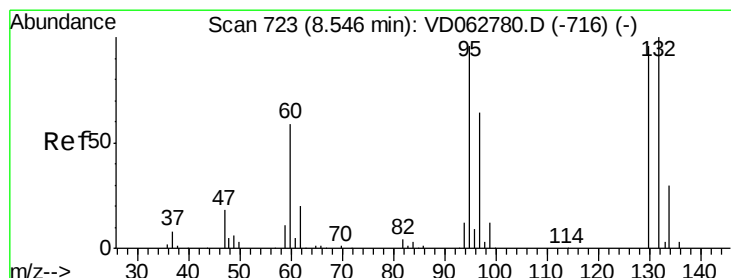
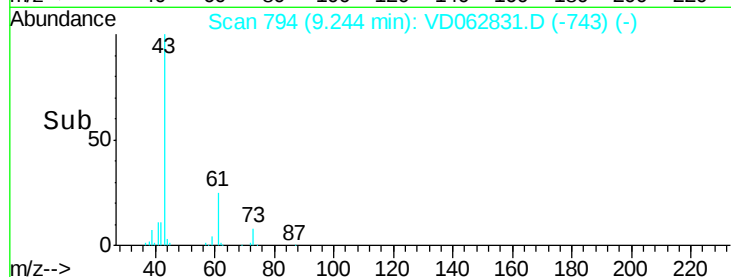
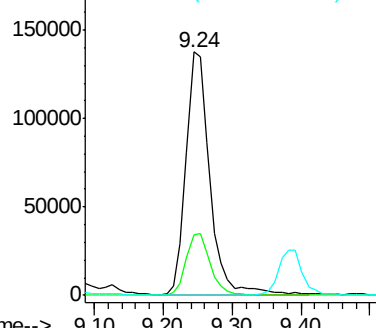
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	22.4	33.6
87	0.2	0.3	0.5

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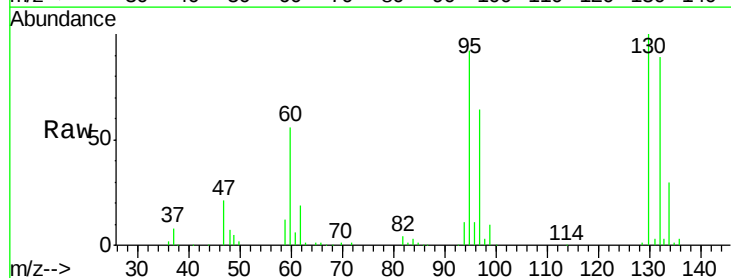
Abundance Ion 42.95 (42.65 to 43.65): VD062780.D (-787) (-)



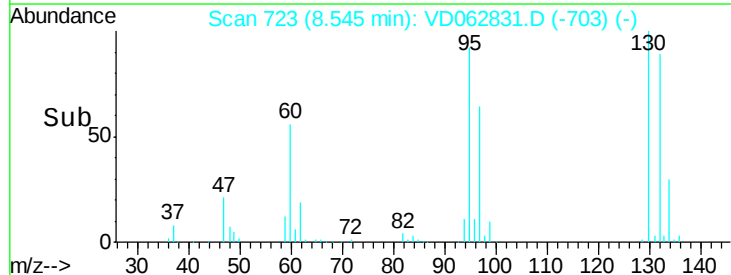
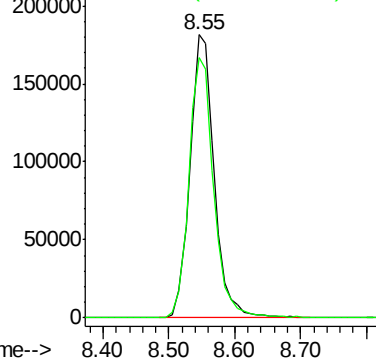
#44

Trichloroethene
 Concen: 49.807 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	201.6



Abundance Ion 129.80 (129.50 to 130.50): VD062780.D (-716) (-)





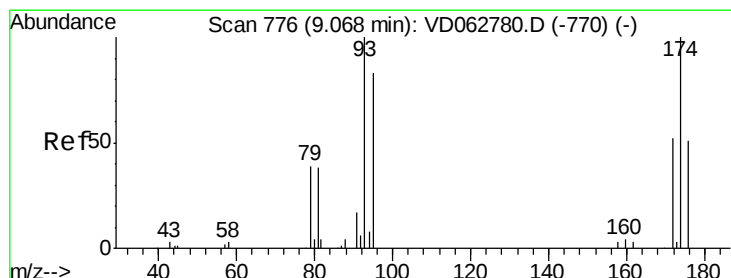
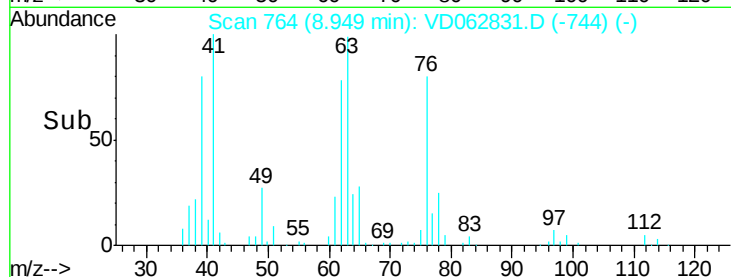
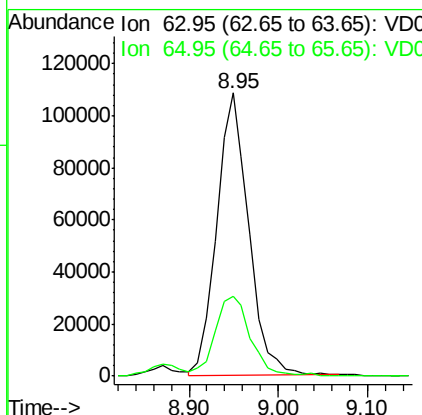
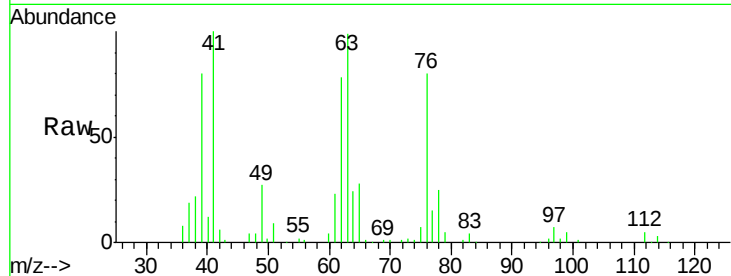
#45
 1,2-Dichloropropane
 Concen: 45.889 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 271545
 Ion Ratio Lower Upper
 63 100
 65 28.3 24.2 36.2

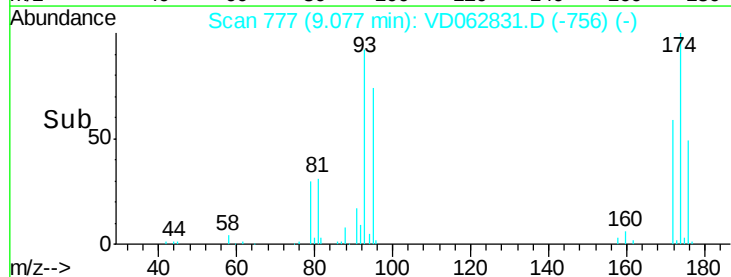
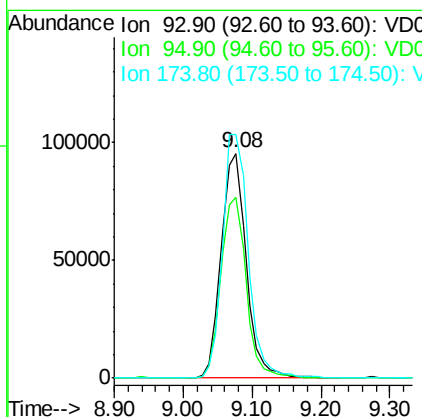
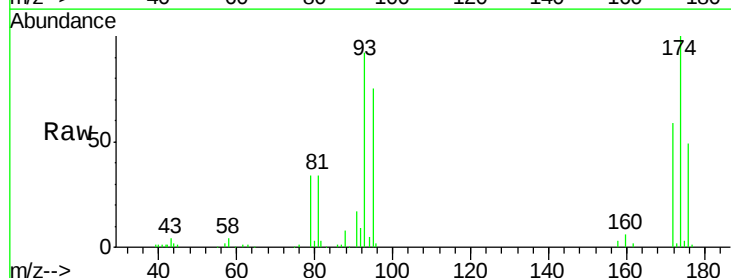
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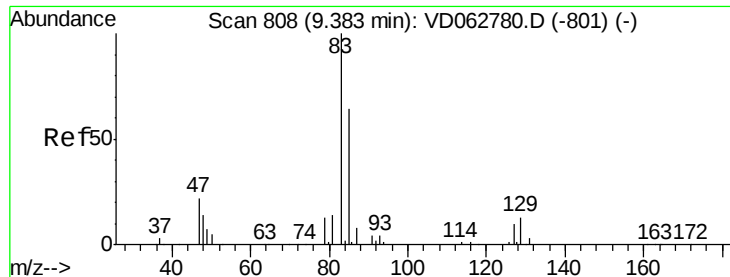
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#46
 Dibromomethane
 Concen: 47.450 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Tgt Ion: 93 Resp: 241195
 Ion Ratio Lower Upper
 93 100
 95 80.7 66.6 100.0
 174 108.1 79.7 119.5





#47

Bromodichloromethane

Concen: 49.689 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

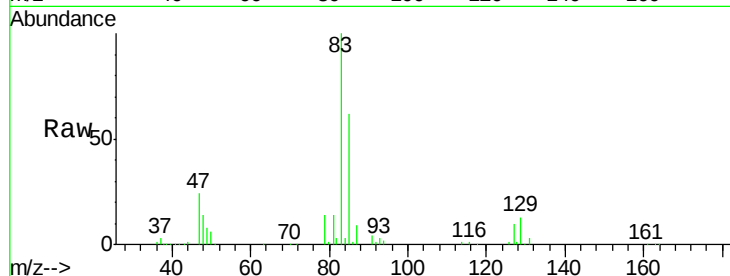
ClientSampleId :

VSTDCCC050

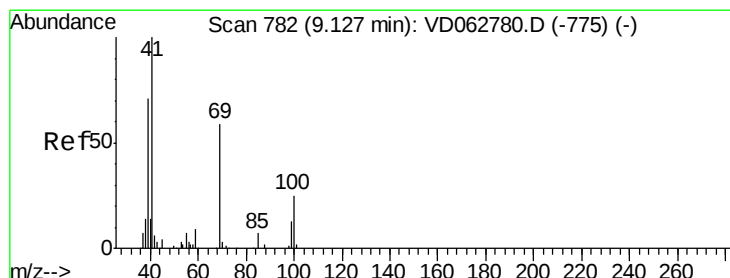
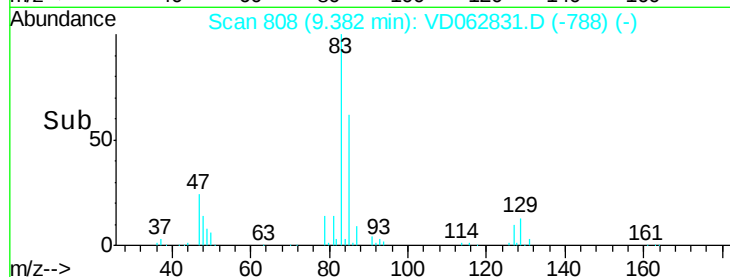
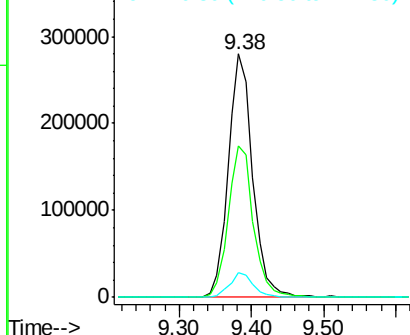
Tot Ion:	83	Resp:	655971
Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.6	77.4
127	10.0	7.8	11.6

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



#48

Methyl methacrylate

Concen: 48.046 ug/l

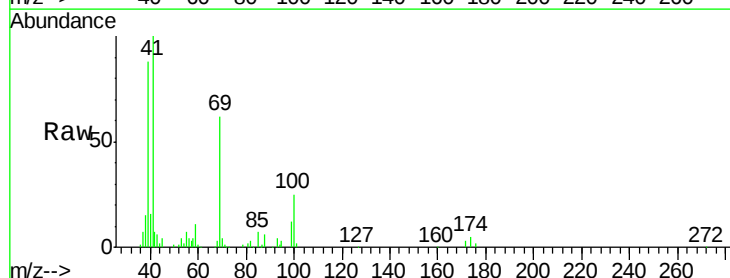
RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

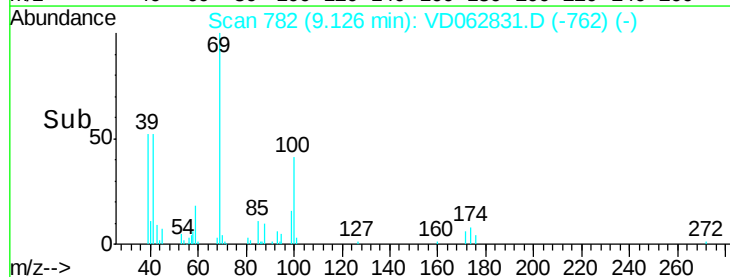
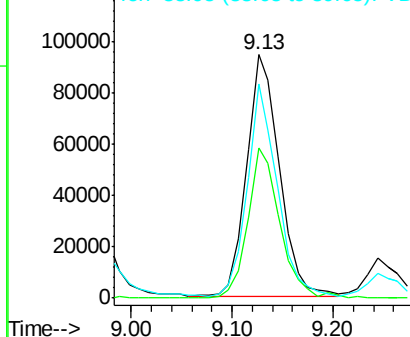
Lab File: VD062831.D

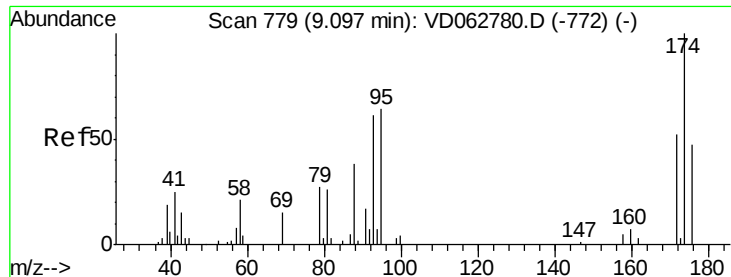
Acq: 24 Jun 2019 10:46

Tgt Ion:	41	Resp:	212212
Ion	Ratio	Lower	Upper
41	100		
69	61.7	47.2	70.8
39	87.9	57.4	86.2#



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





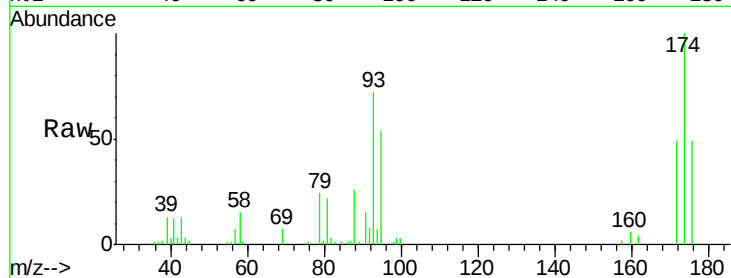
#49
1,4-Dioxane
Concen: 1019.000 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

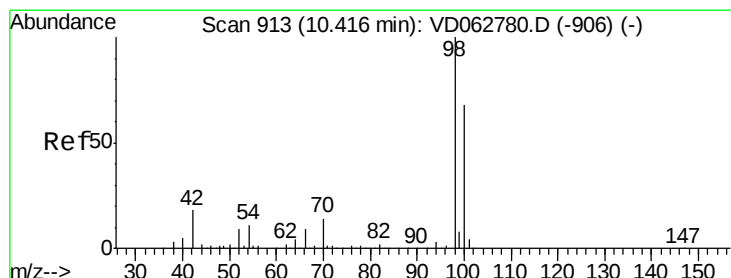
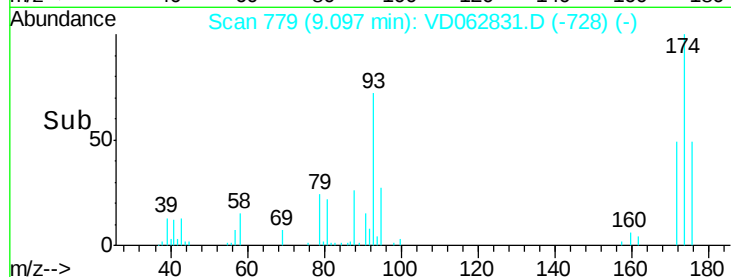
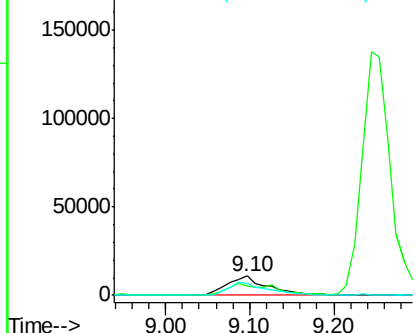
Tot Ion	Ratio	Lower	Upper
88	100		
43	48.9	32.1	48.1#
58	59.3	44.1	66.1

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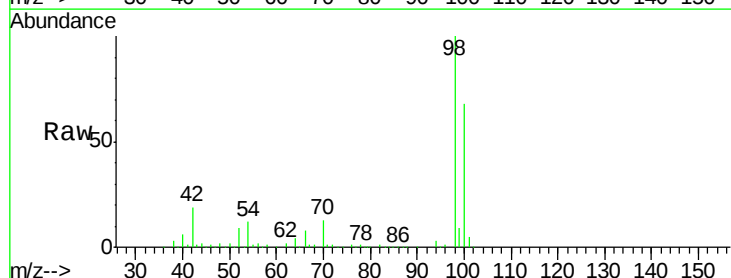


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

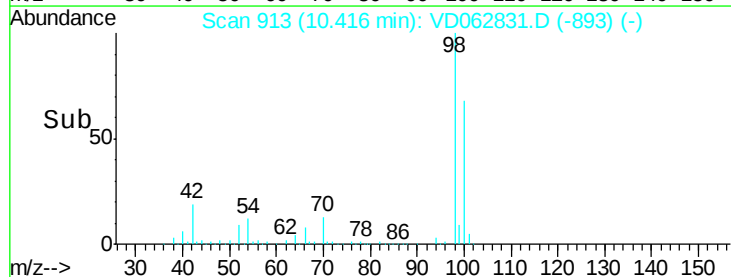
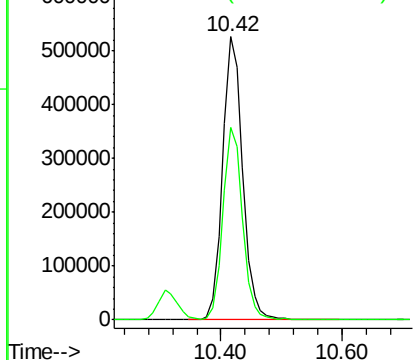


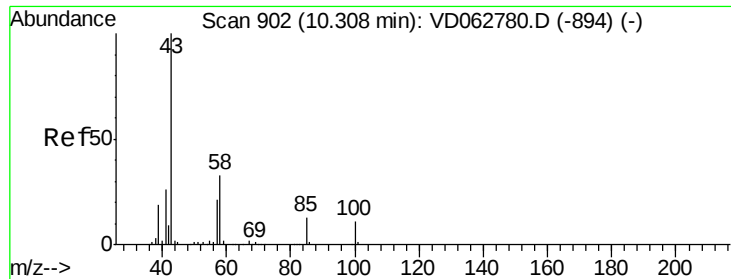
#50
Toluene-d8
Concen: 52.560 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.1	54.7	82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





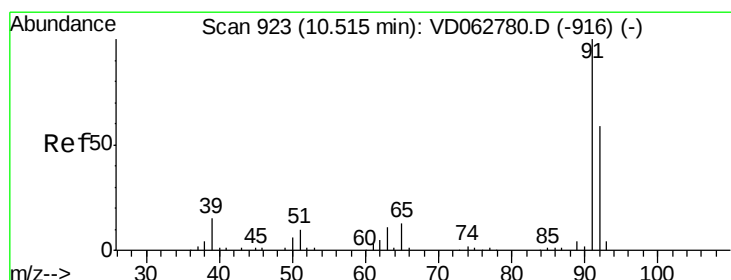
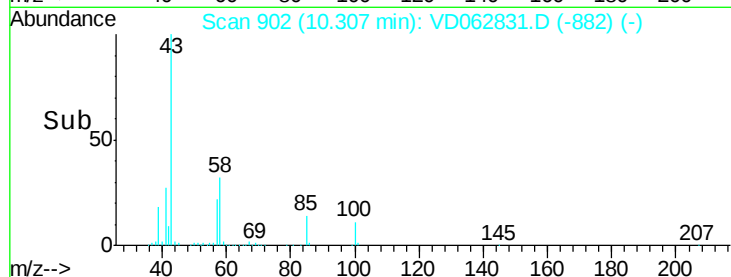
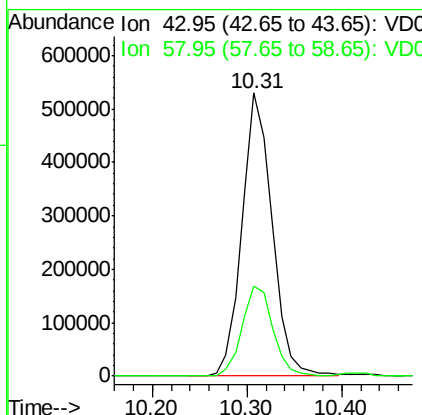
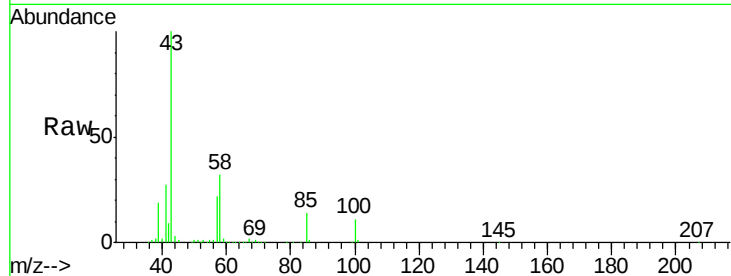
#51
4-Methyl-2-Pentanone
Concen: 265.150 ug/l
RT: 10.31 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1168437
Ion Ratio Lower Upper
43 100
58 31.8 26.6 40.0

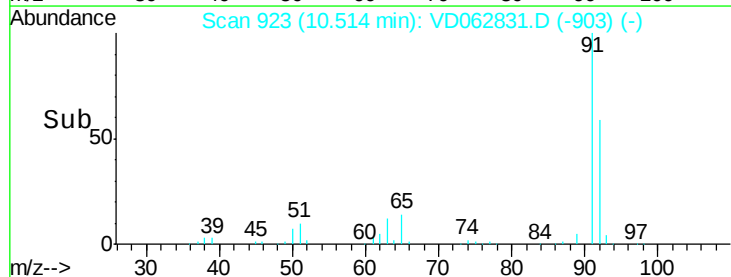
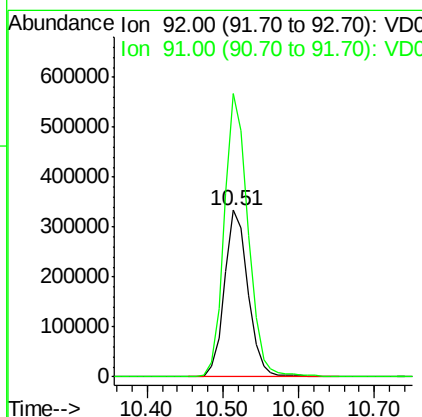
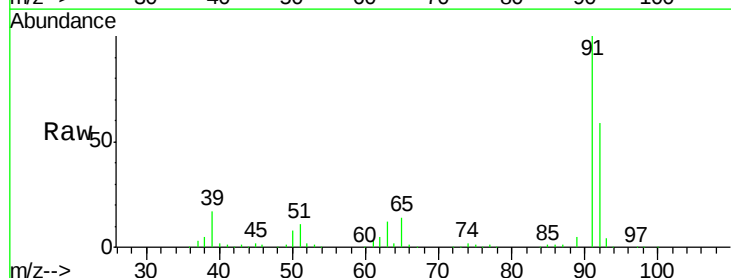
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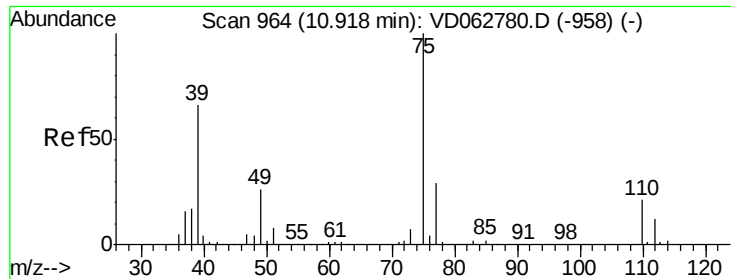
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#52
Toluene
Concen: 45.072 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 92 Resp: 721006
Ion Ratio Lower Upper
92 100
91 169.9 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 53.071 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 573443

Ion Ratio Lower Upper

75 100

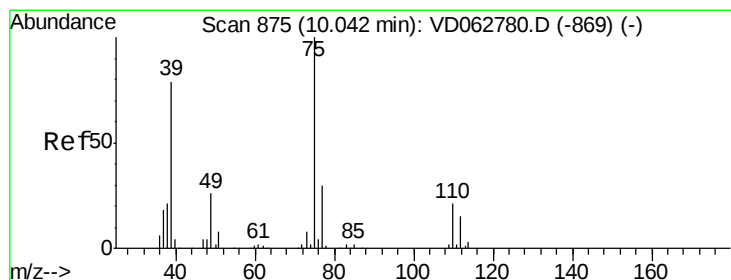
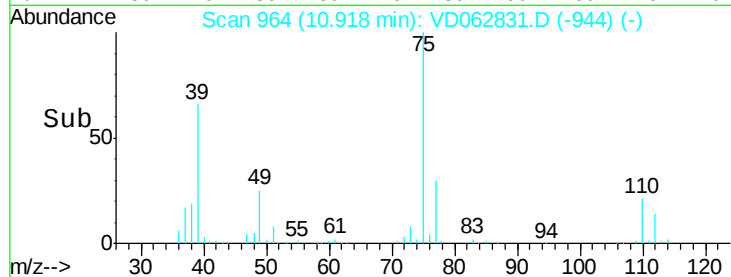
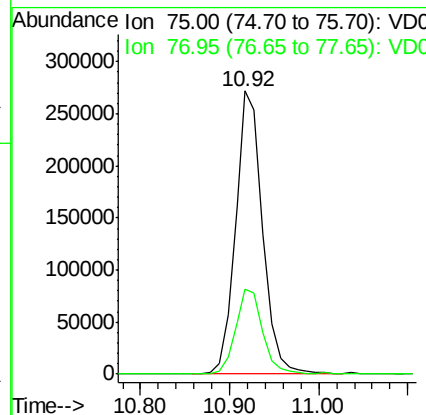
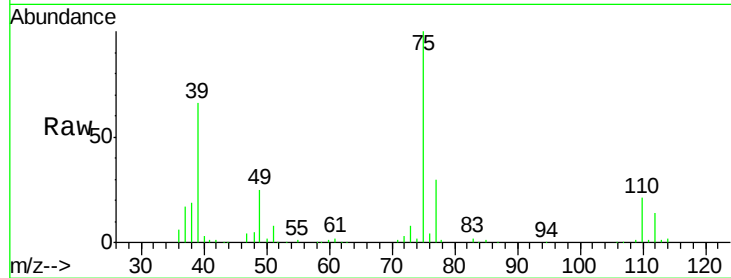
77 30.2 23.2 34.8

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#54

cis-1,3-Dichloropropene

Concen: 47.276 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

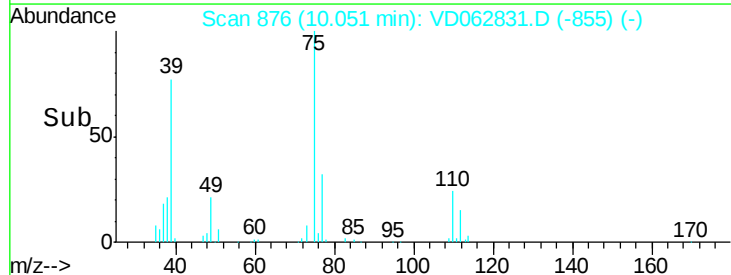
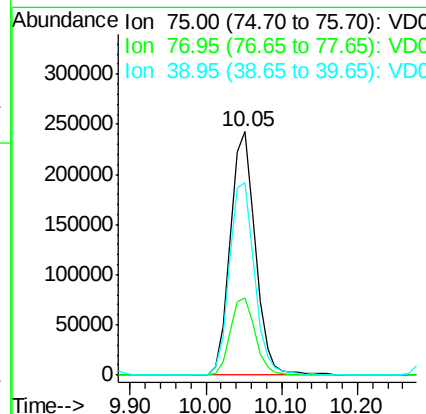
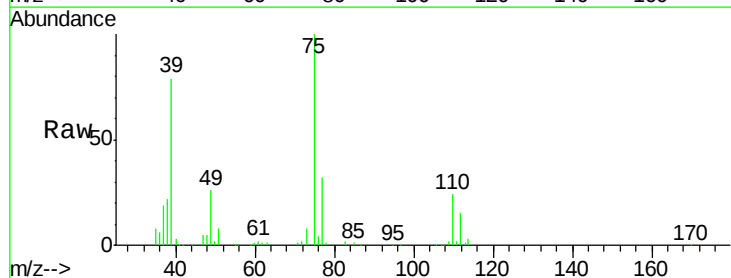
Tgt Ion: 75 Resp: 555224

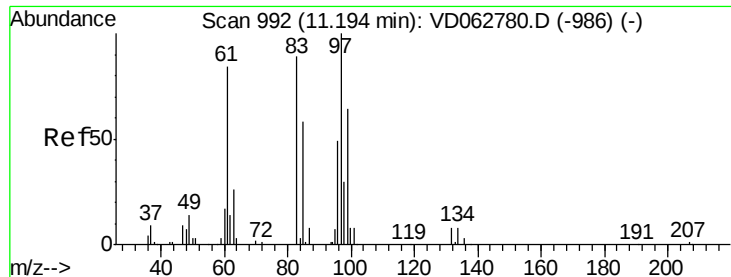
Ion Ratio Lower Upper

75 100

77 31.9 24.2 36.2

39 79.2 63.5 95.3





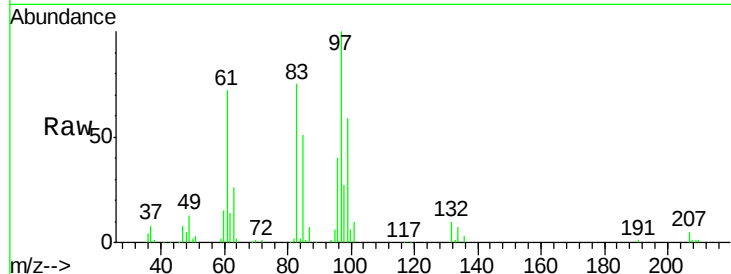
#55
1,1,2-Trichloroethane
Concen: 49.487 ug/l
RT: 11.20 min Scan# 993
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

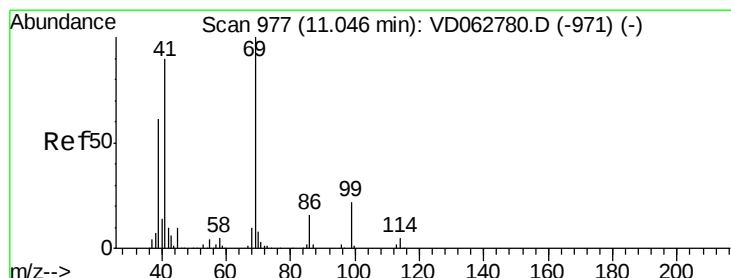
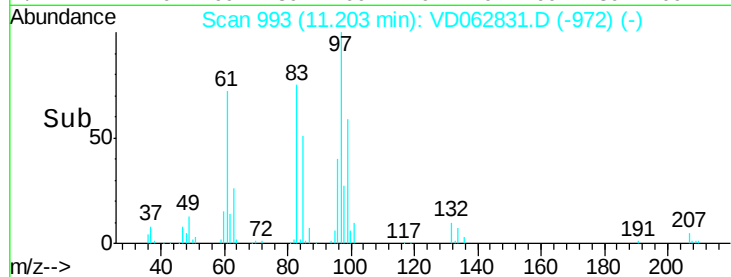
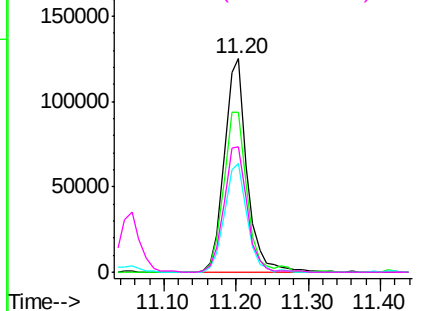
Tot Ion	97	Resp	271974
Ion	Ratio	Lower	Upper
97	100		
83	75.0	71.0	106.4
85	50.7	46.6	69.8
99	59.0	51.4	77.0

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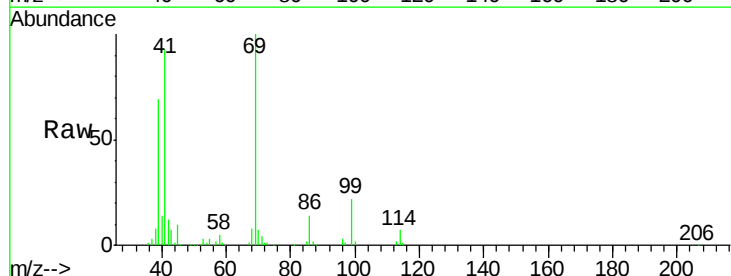


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

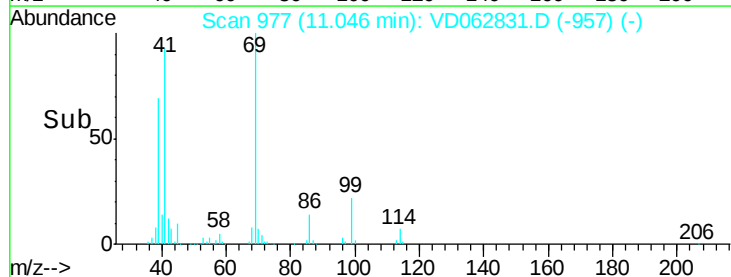
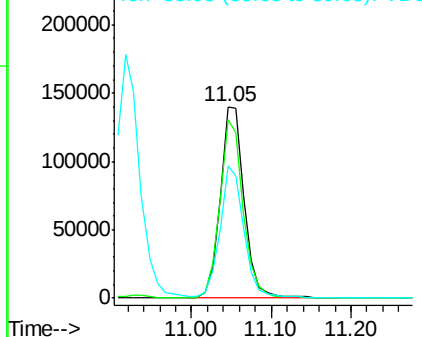


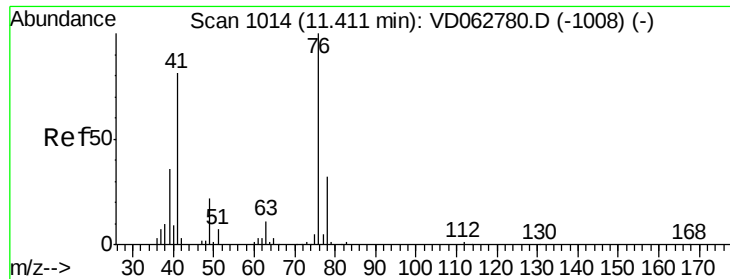
#56
Ethyl methacrylate
Concen: 50.490 ug/l
RT: 11.05 min Scan# 977
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion	69	Resp	296550
Ion	Ratio	Lower	Upper
69	100		
41	93.1	72.0	108.0
39	69.3	49.5	74.3



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





#57

1,3-Dichloropropane

Concen: 50.121 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 421775

Ion Ratio Lower Upper

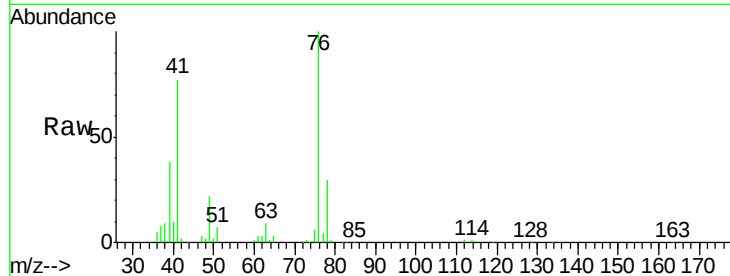
76 100

78 30.0 25.4 38.0

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

200000

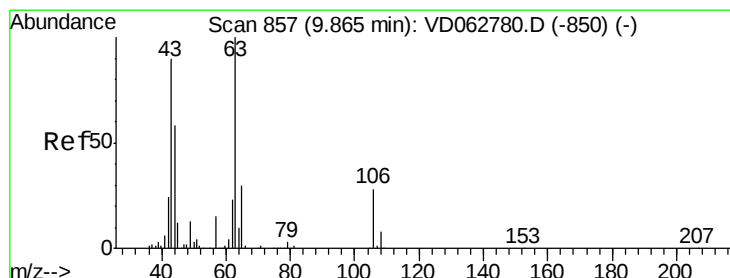
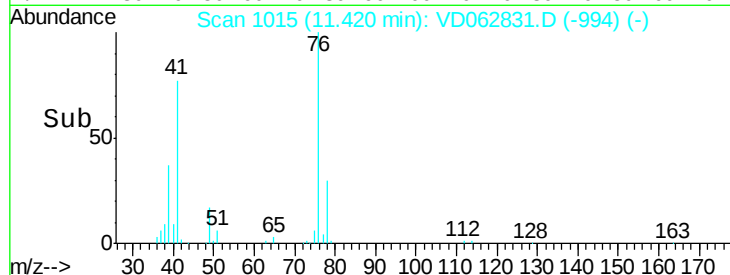
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 248.376 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062831.D

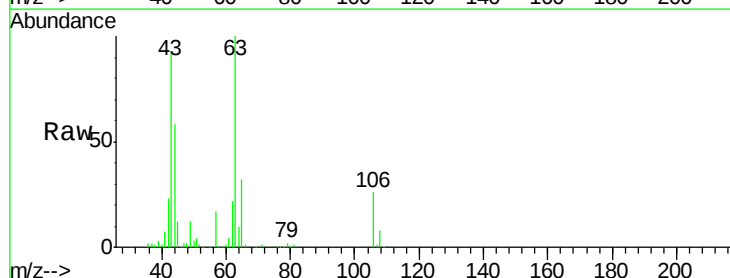
Acq: 24 Jun 2019 10:46

Tgt Ion: 63 Resp: 748930

Ion Ratio Lower Upper

63 100

106 26.2 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

400000

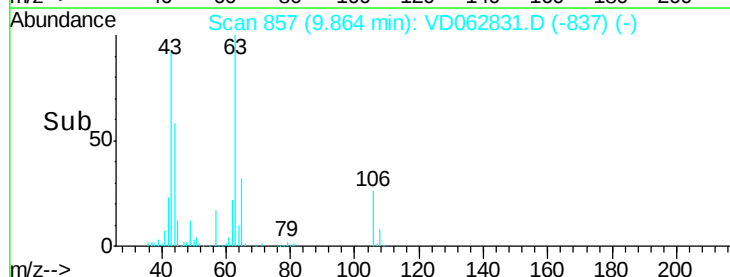
300000

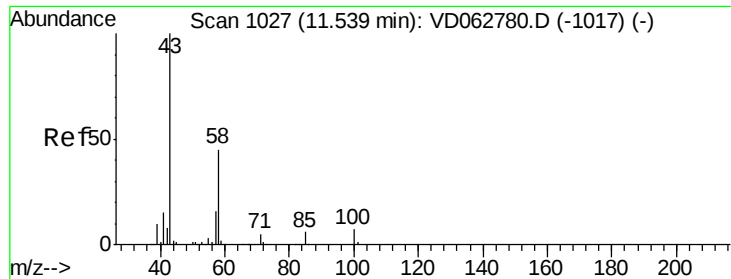
200000

100000

0

Time-->





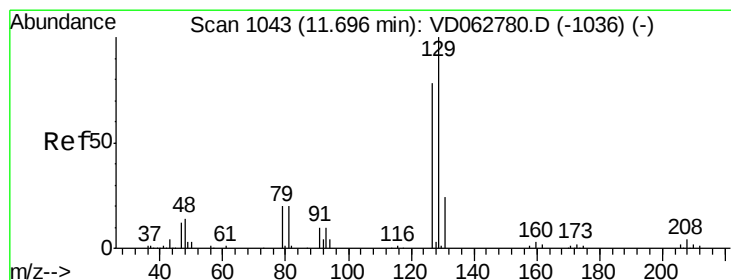
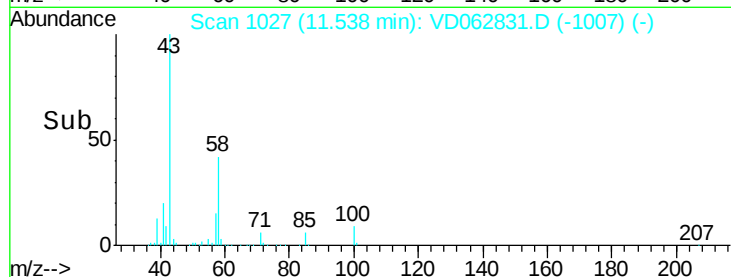
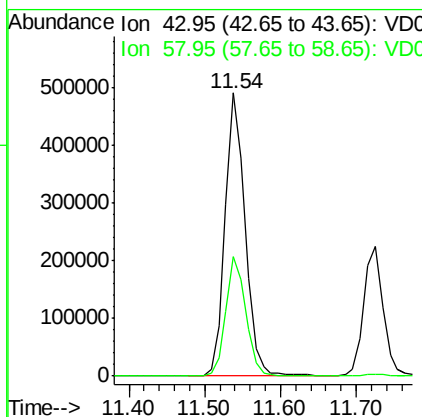
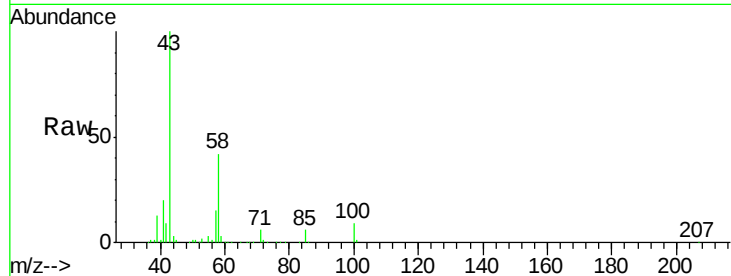
#59
2-Hexanone
Concen: 289.258 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 907809
Ion Ratio Lower Upper
43 100
58 42.3 22.4 67.2

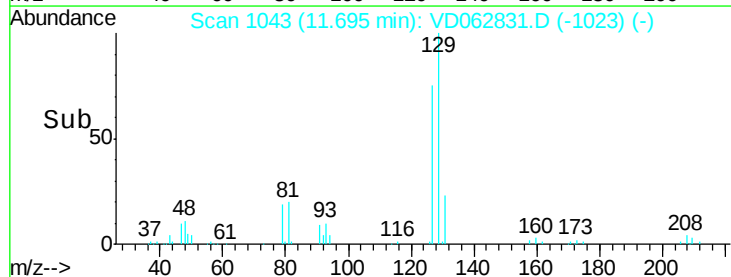
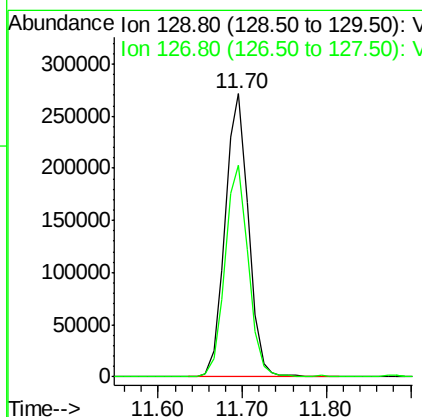
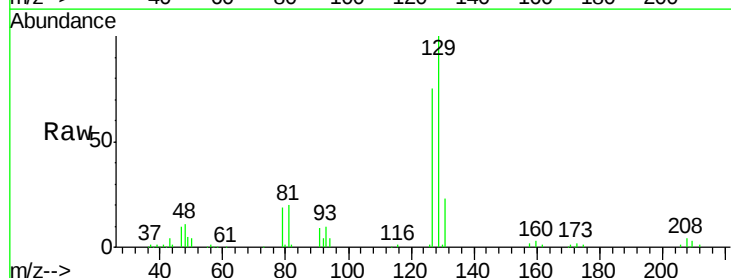
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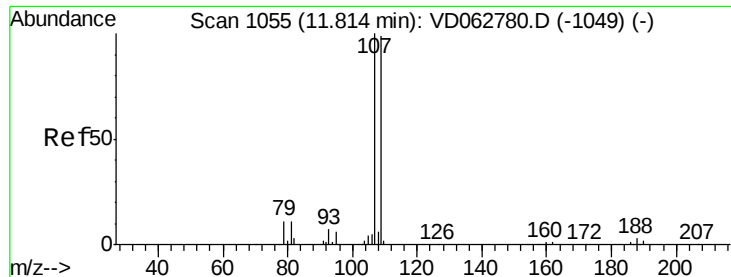
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#60
Dibromochloromethane
Concen: 51.128 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 129 Resp: 523392
Ion Ratio Lower Upper
129 100
127 74.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 49.301 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 320009

Ion Ratio Lower Upper

107 100

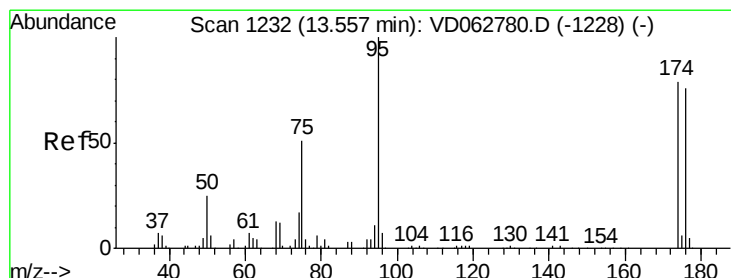
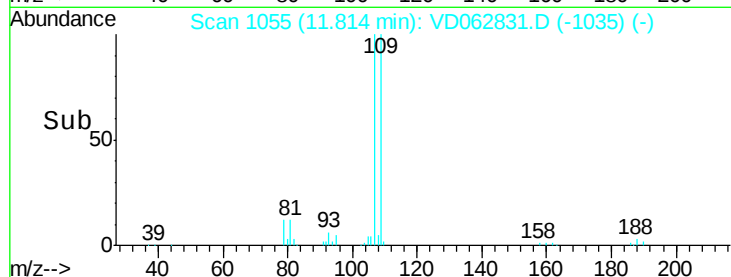
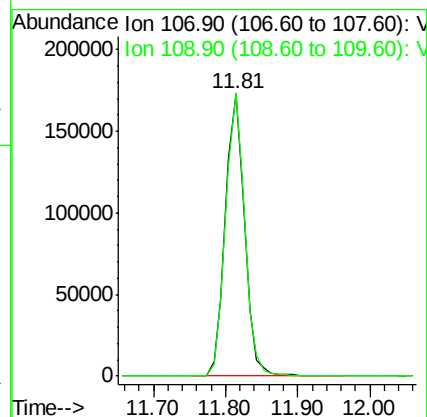
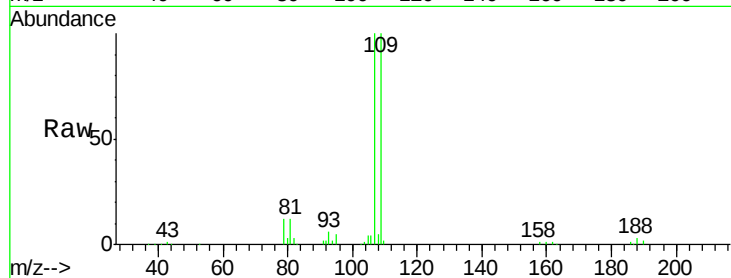
109 100.3 79.3 118.9

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#62

4-Bromofluorobenzene

Concen: 55.165 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

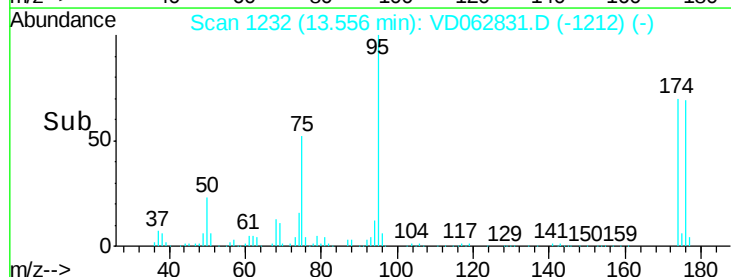
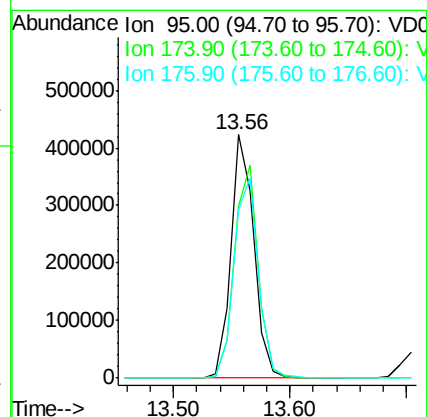
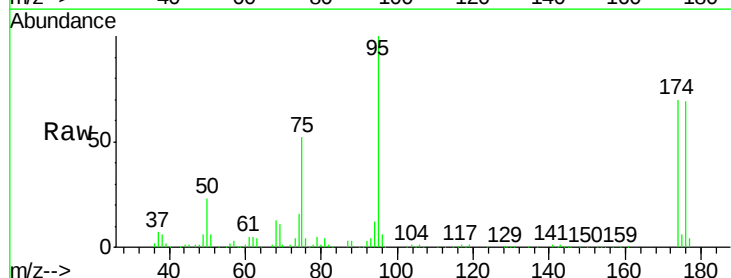
Tgt Ion: 95 Resp: 576510

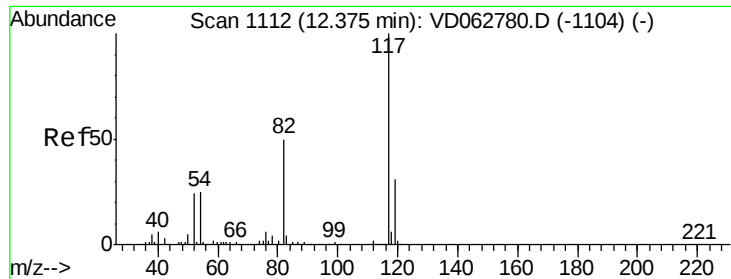
Ion Ratio Lower Upper

95 100

174 70.5 0.0 158.0

176 69.0 0.0 151.6





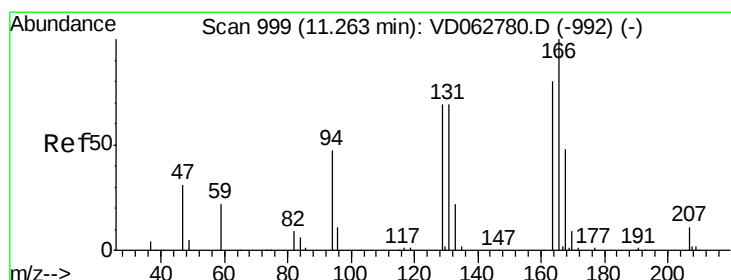
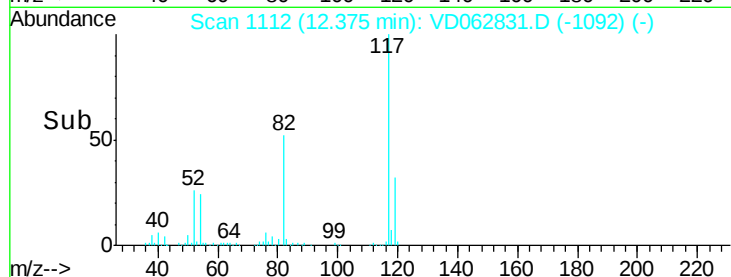
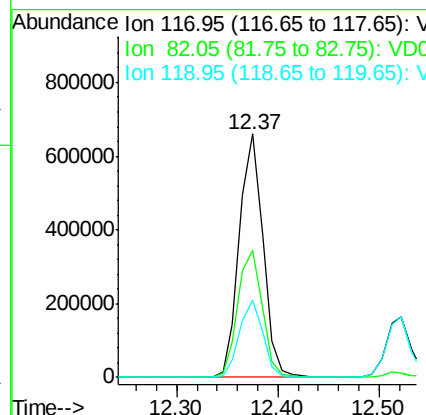
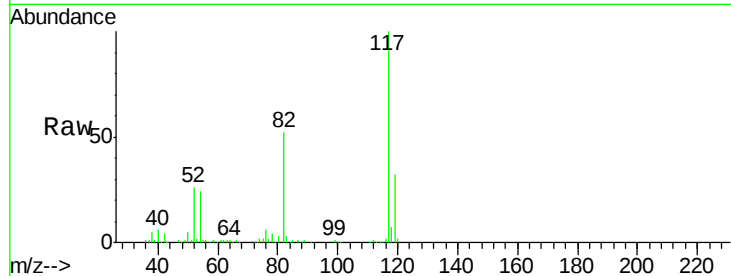
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1084786
Ion Ratio Lower Upper
117 100
82 52.3 40.4 60.6
119 31.8 25.2 37.8

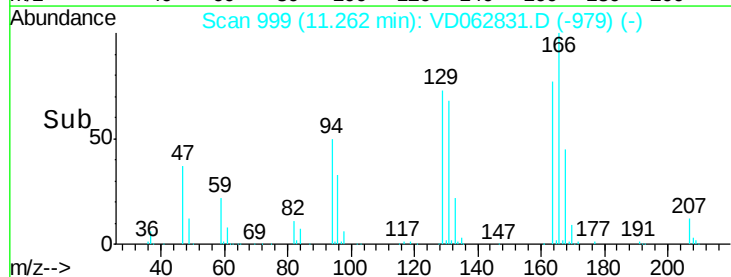
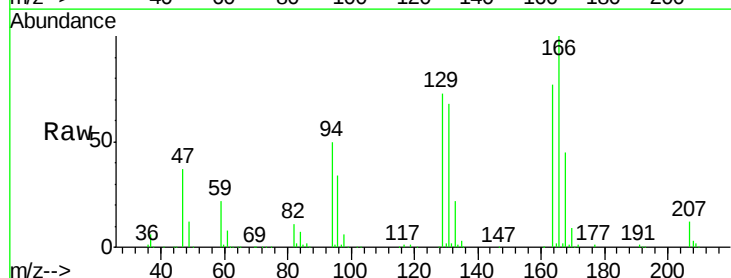
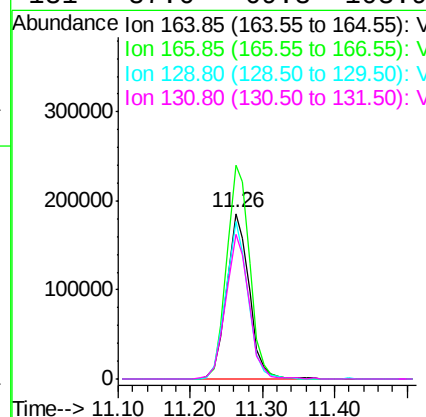
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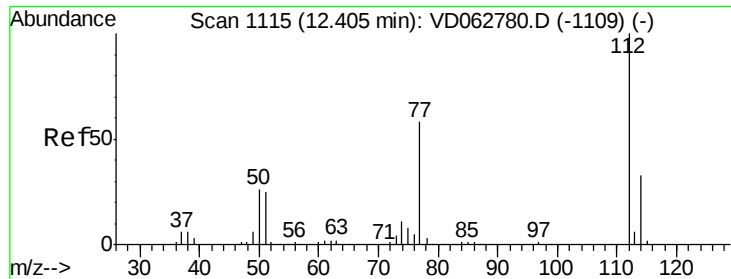
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#64
Tetrachloroethene
Concen: 45.236 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion:164 Resp: 403867
Ion Ratio Lower Upper
164 100
166 129.3 100.6 150.8
129 94.9 69.4 104.0
131 87.6 69.3 103.9





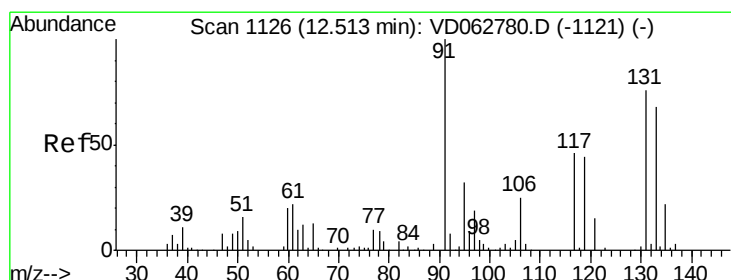
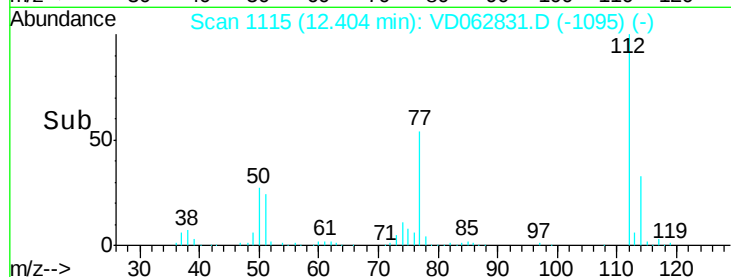
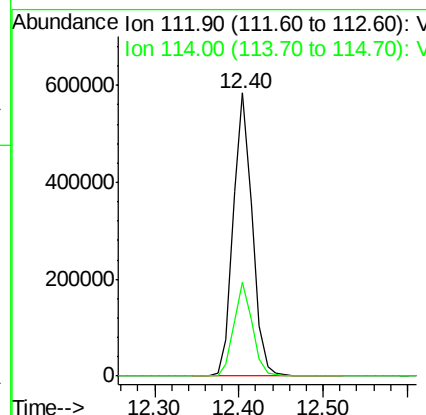
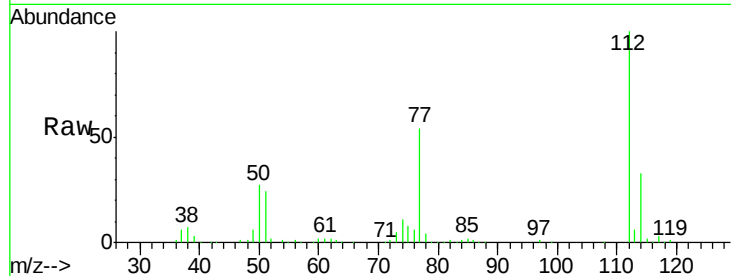
#65
Chlorobenzene
Concen: 45.525 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 916530
Ion Ratio Lower Upper
112 100
114 33.1 26.3 39.5

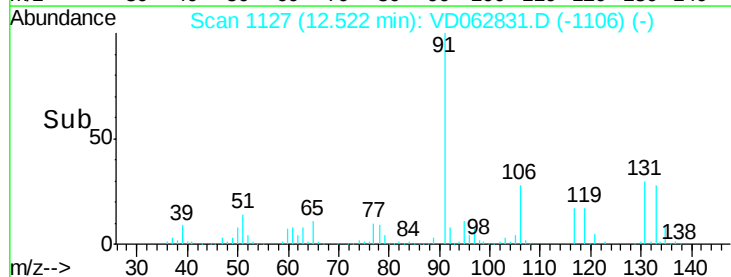
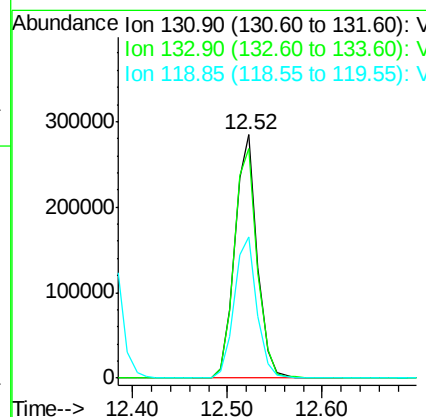
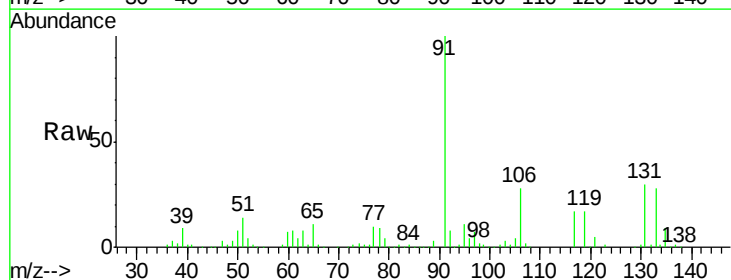
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.113 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion:131 Resp: 462404
Ion Ratio Lower Upper
131 100
133 94.2 44.5 133.3
119 57.8 28.6 85.9





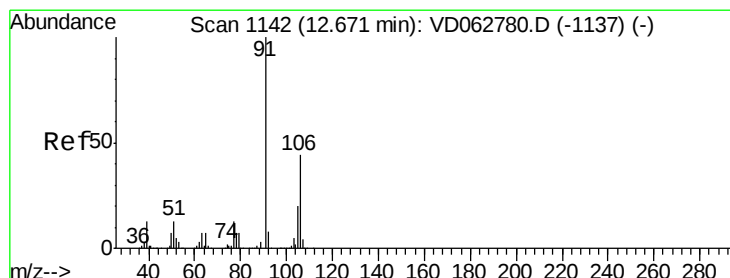
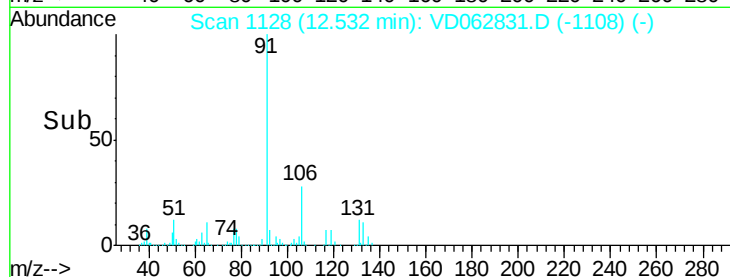
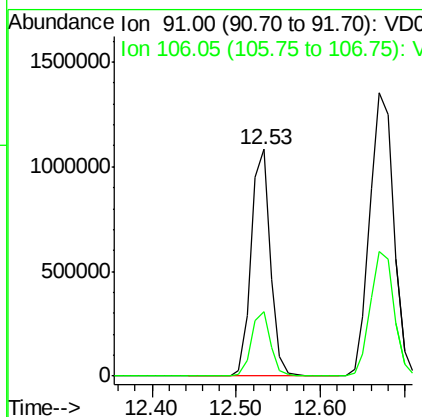
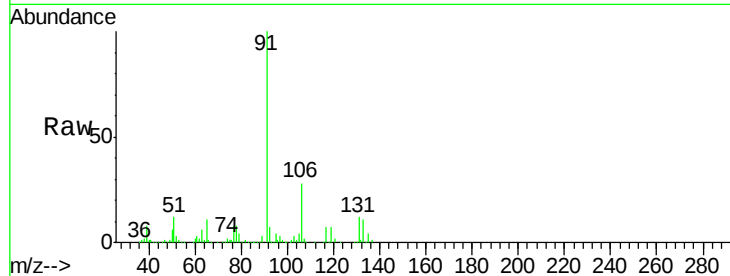
#67
Ethyl Benzene
Concen: 48.118 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1739243
Ion Ratio Lower Upper
91 100
106 28.5 23.1 34.7

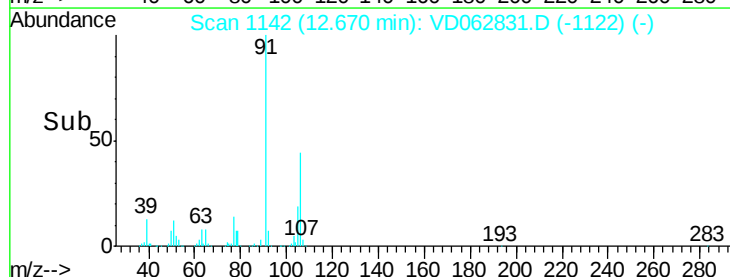
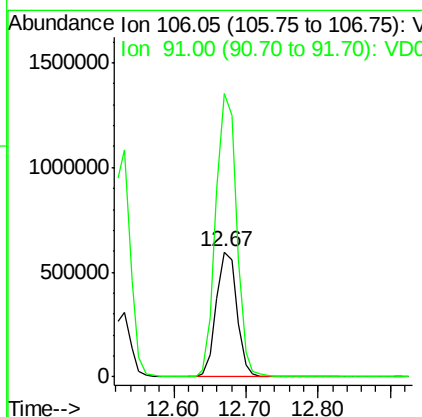
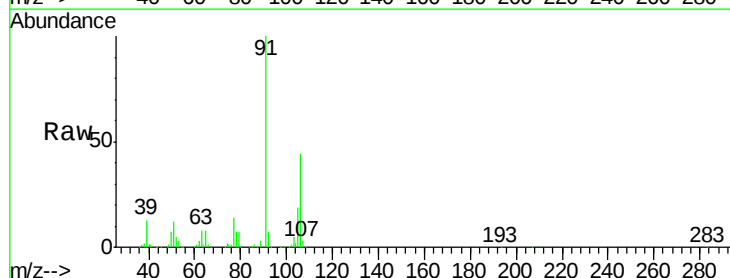
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#68
m/p-Xylenes
Concen: 92.577 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 106 Resp: 1165472
Ion Ratio Lower Upper
106 100
91 226.8 183.0 274.6





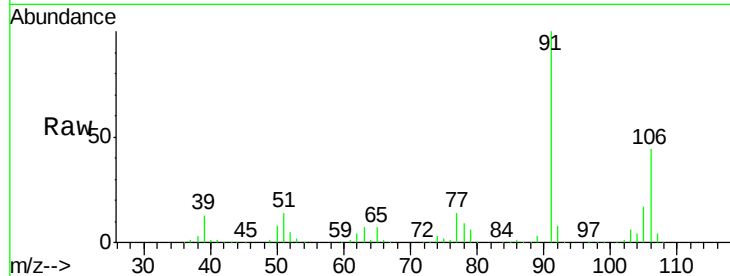
#69
o-Xylene
Concen: 45.634 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

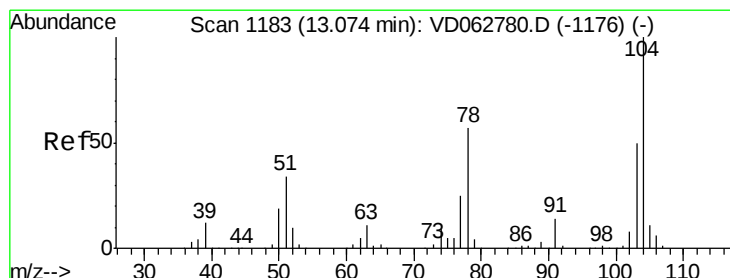
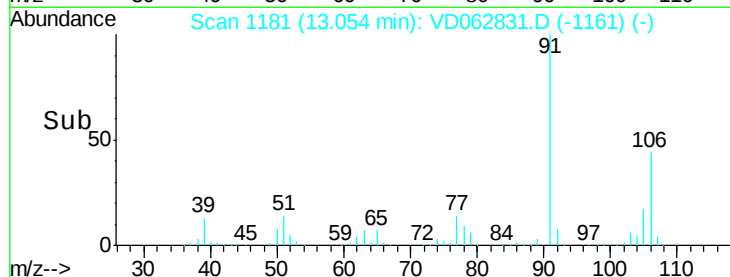
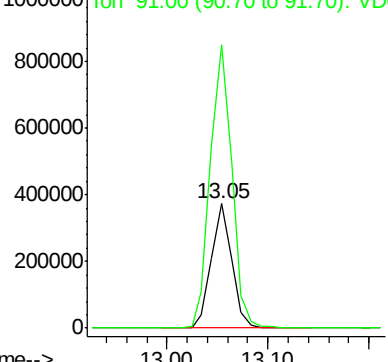
Tot Ion:106 Resp: 525180
Ion Ratio Lower Upper
106 100
91 227.8 117.9 353.6

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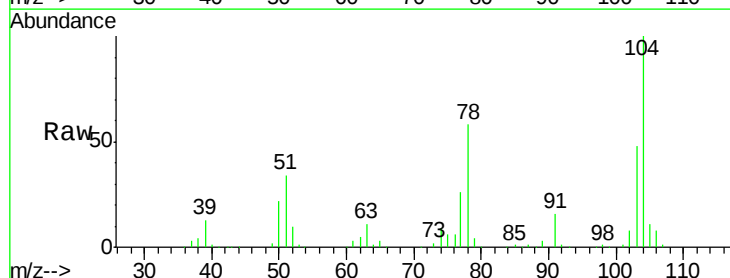


Abundance Ion 106.05 (105.75 to 106.75): V

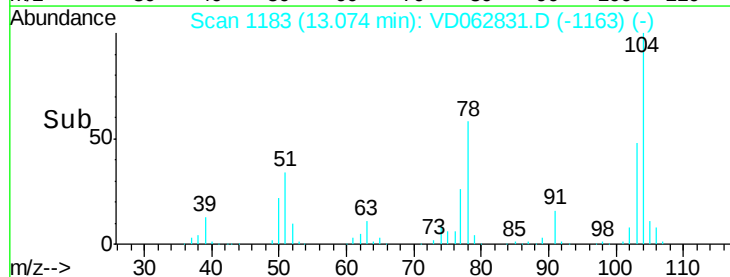
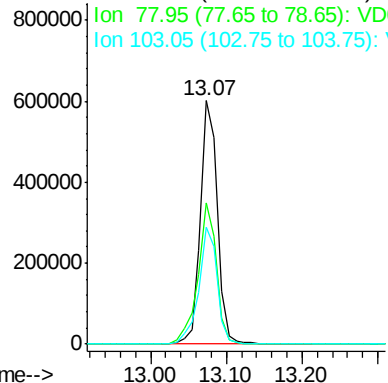


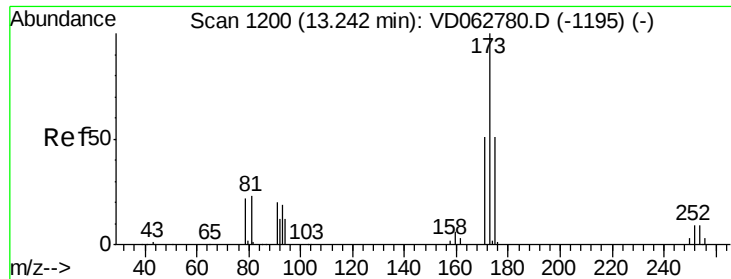
#70
Styrene
Concen: 45.675 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion:104 Resp: 923272
Ion Ratio Lower Upper
104 100
78 58.2 45.4 68.2
103 47.9 39.7 59.5



Abundance Ion 104.05 (103.75 to 104.75): V





#71

Bromoform

Concen: 52.605 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 339336

Ion Ratio Lower Upper

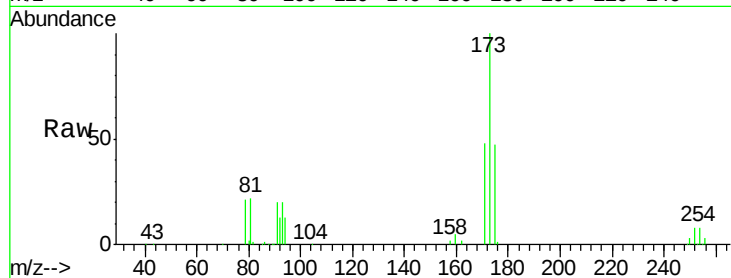
173 100

175 47.1 25.3 75.9

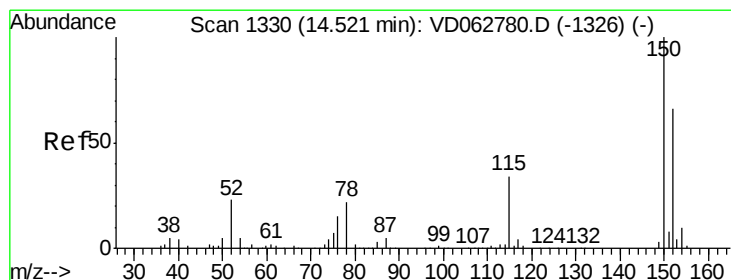
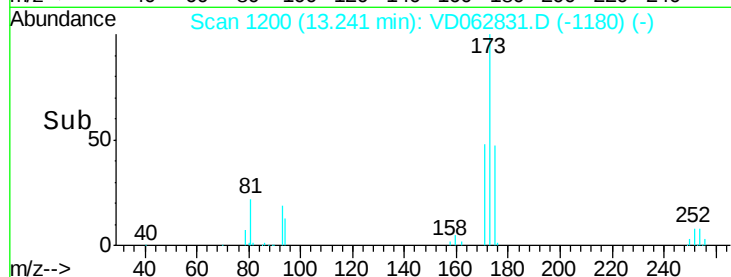
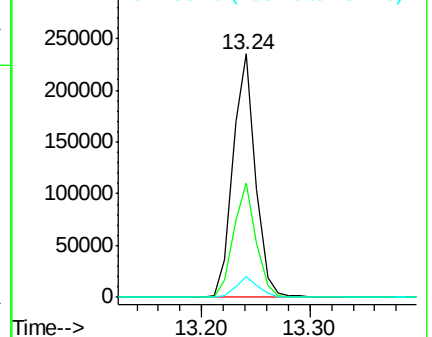
254 8.4 7.1 10.7

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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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

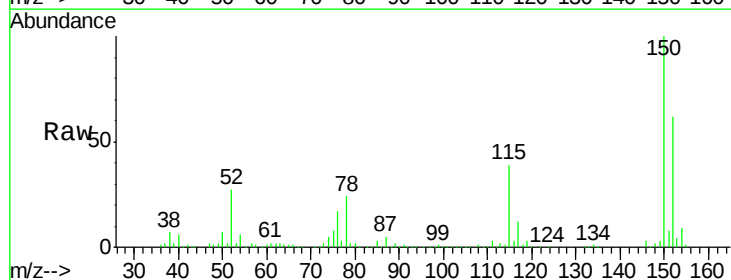
Tgt Ion:152 Resp: 552488

Ion Ratio Lower Upper

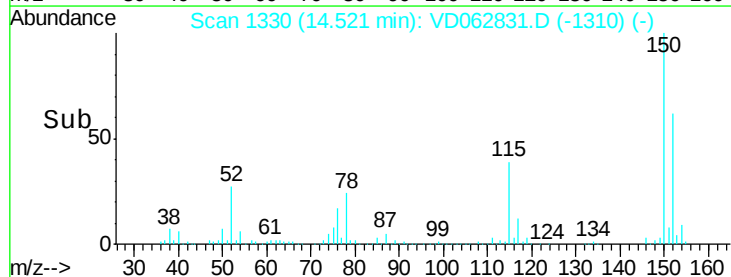
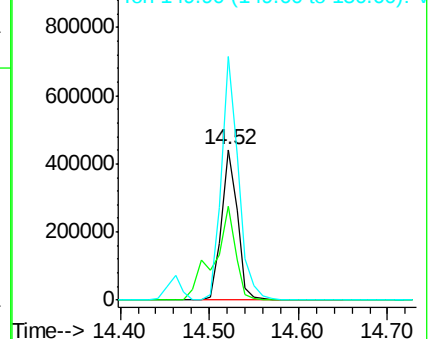
152 100

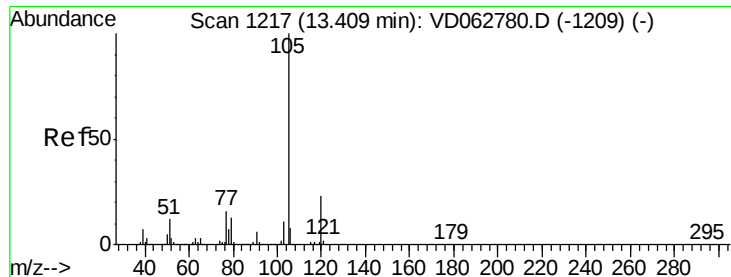
115 62.5 29.2 87.6

150 161.5 0.0 305.8



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





#73

Isopropylbenzene

Concen: 46.991 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1664647

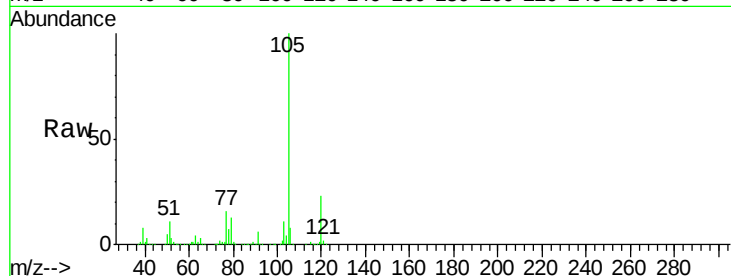
Ion Ratio Lower Upper

105 100

120 23.0 11.6 34.7

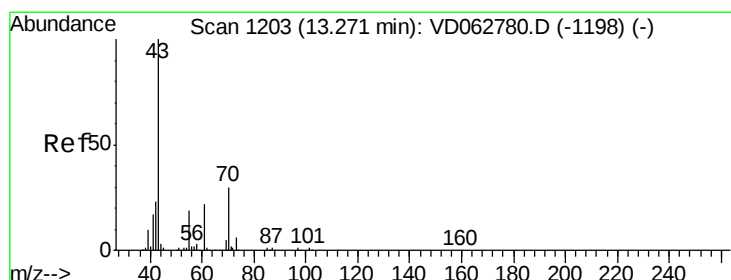
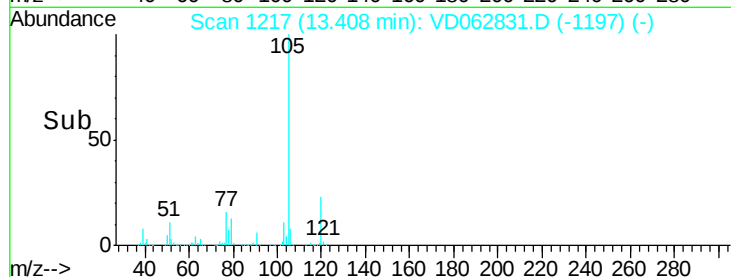
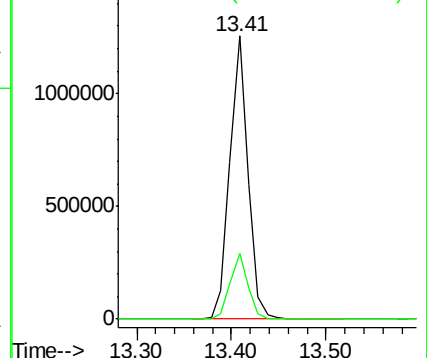
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 56.856 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Tgt Ion: 43 Resp: 489119

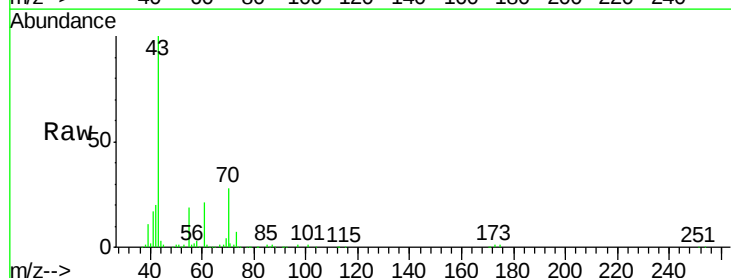
Ion Ratio Lower Upper

43 100

70 27.6 24.4 36.6

55 18.6 15.2 22.8

61 20.8 17.4 26.2

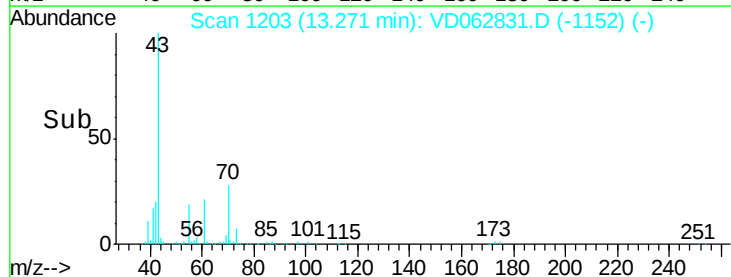
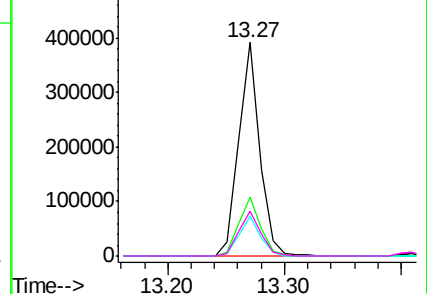


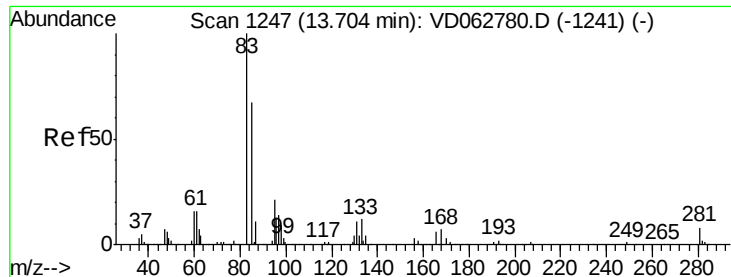
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.561 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 286058

Ion Ratio Lower Upper

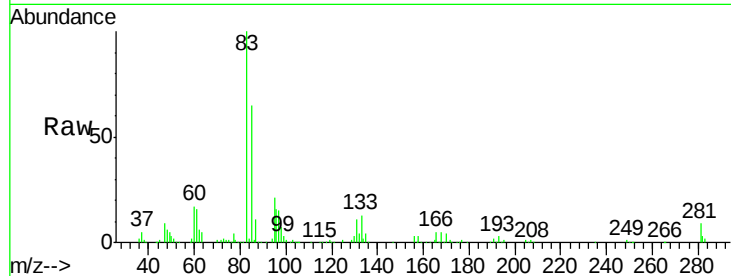
83 100

131 10.8 5.3 16.1

85 64.9 33.7 101.1

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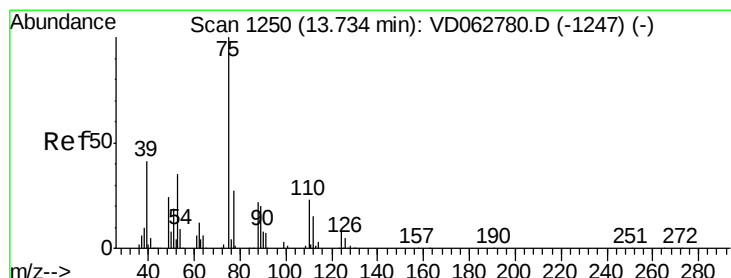
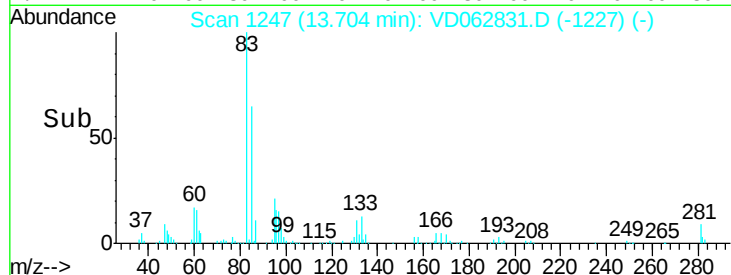
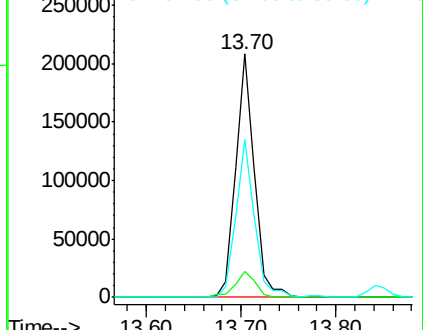
MMDadoda
6/25/2019 10:00:06 AM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.349 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062831.D

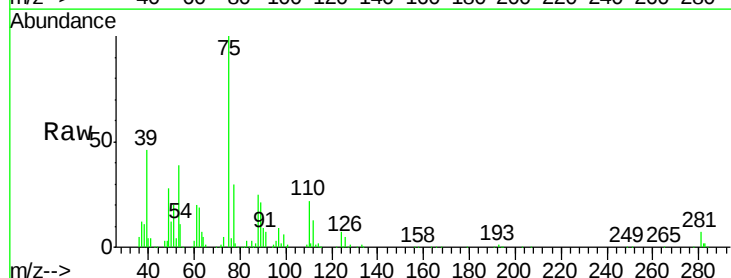
Acq: 24 Jun 2019 10:46

Tgt Ion: 75 Resp: 333889

Ion Ratio Lower Upper

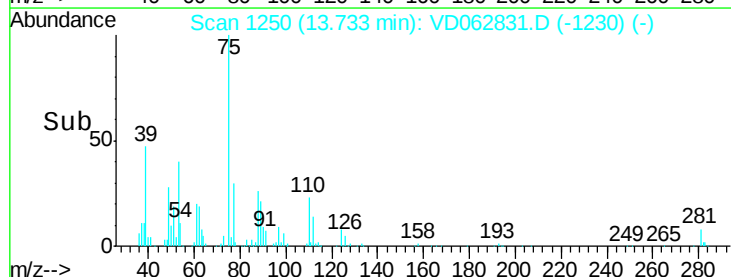
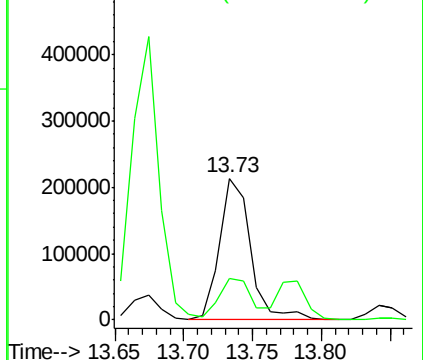
75 100

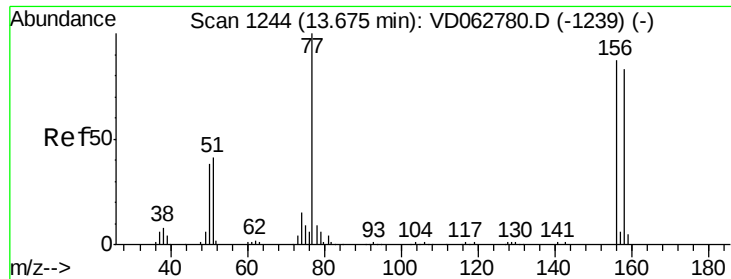
77 29.6 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 47.593 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

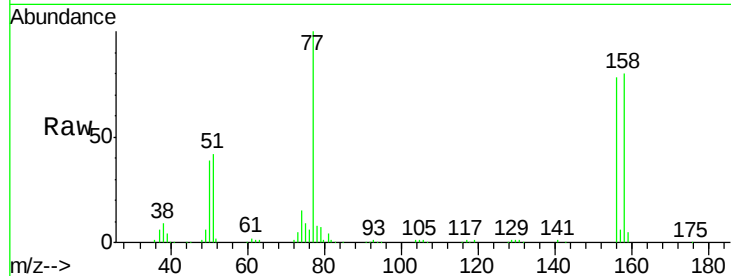
VSTDCCC050

Tot Ion:156 Resp: 453470

Ion	Ratio	Lower	Upper
156	100		
77	128.7	57.7	173.1
158	103.4	47.7	143.1

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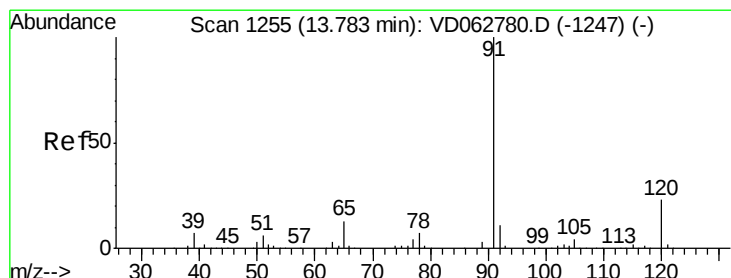
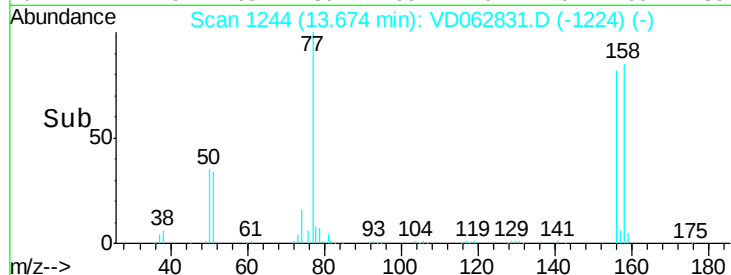
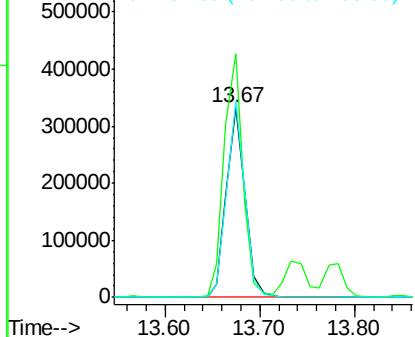
MMDadoda
6/25/2019 10:00:06 AM



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: 47.635 ug/l

RT: 13.78 min Scan# 1255

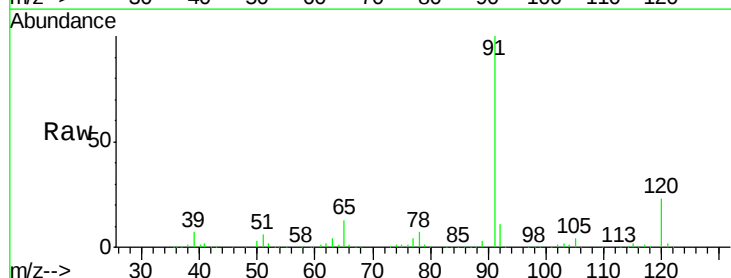
Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

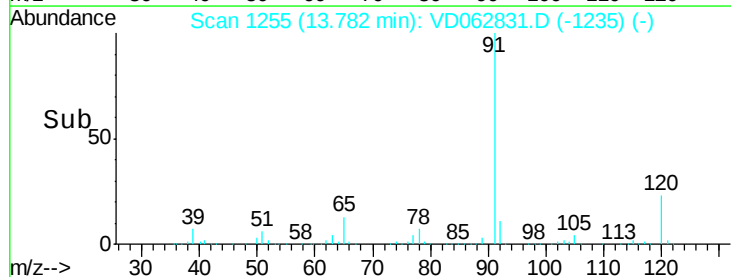
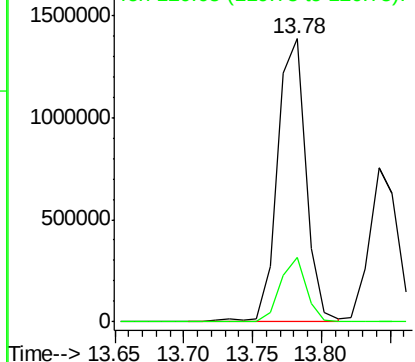
Tgt Ion: 91 Resp: 1964026

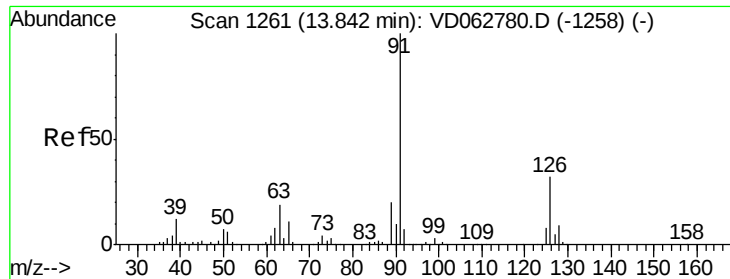
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





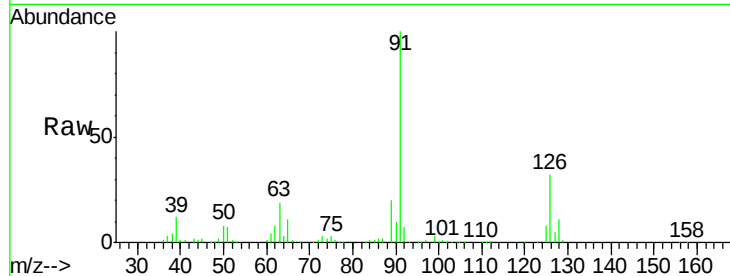
#79
2-Chlorotoluene
Concen: 45.638 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

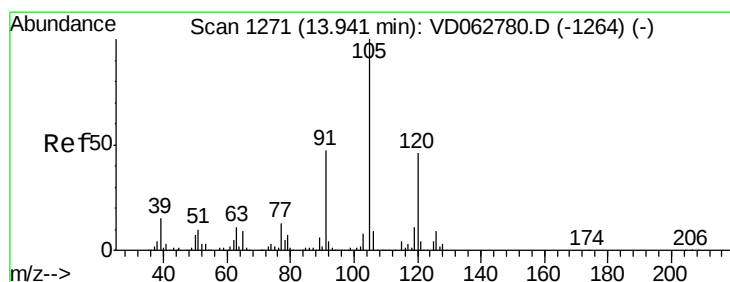
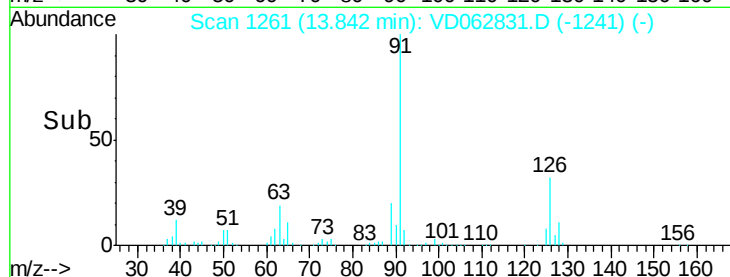
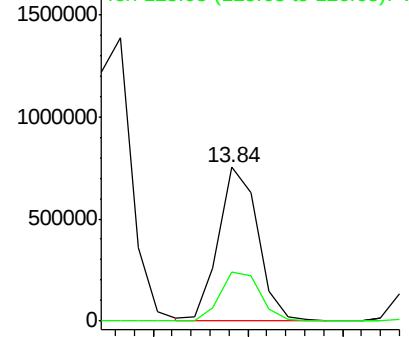
Tot Ion: 91 Resp: 1075361
Ion Ratio Lower Upper
91 100
126 31.9 15.7 47.1

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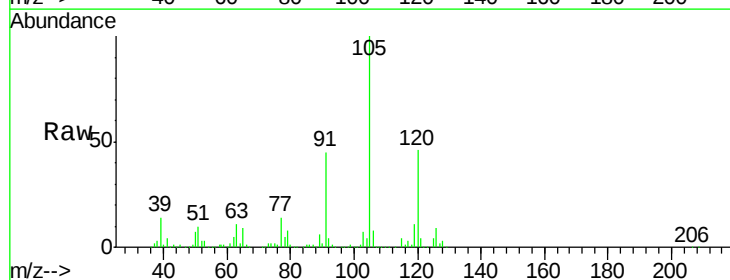


Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1258) (-)
Ion 125.95 (125.65 to 126.65): VD062780.D (-1258) (-)

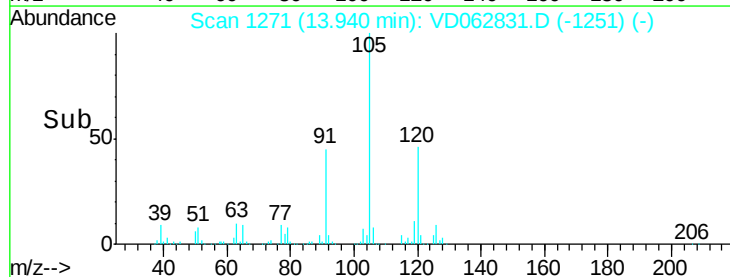
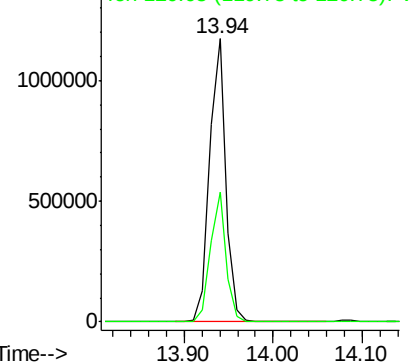


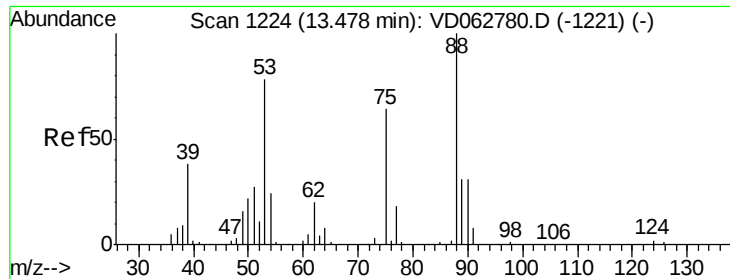
#80
1,3,5-Trimethylbenzene
Concen: 50.963 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 105 Resp: 1516417
Ion Ratio Lower Upper
105 100
120 45.6 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): VD062780.D (-1264) (-)
Ion 120.05 (119.75 to 120.75): VD062780.D (-1264) (-)





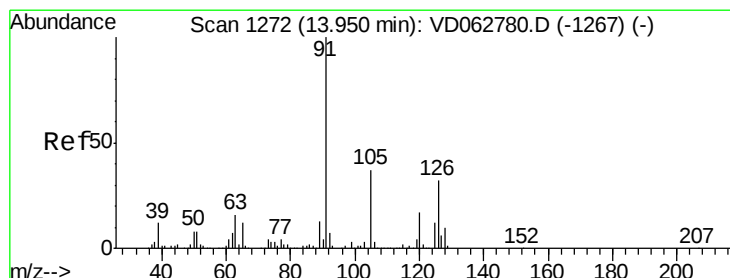
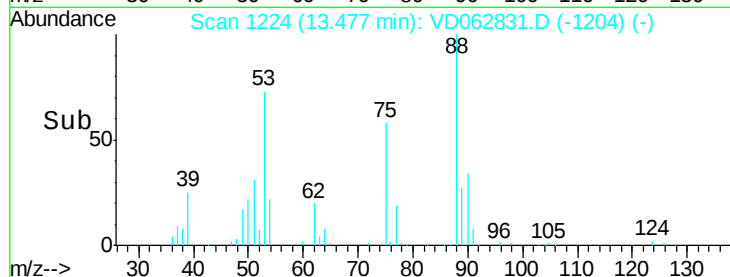
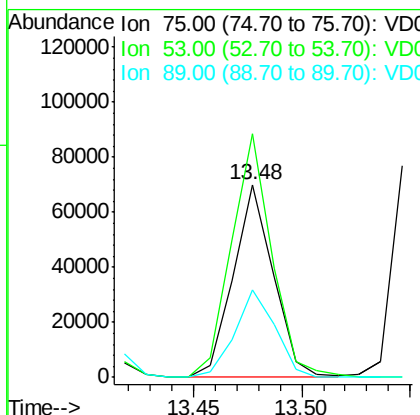
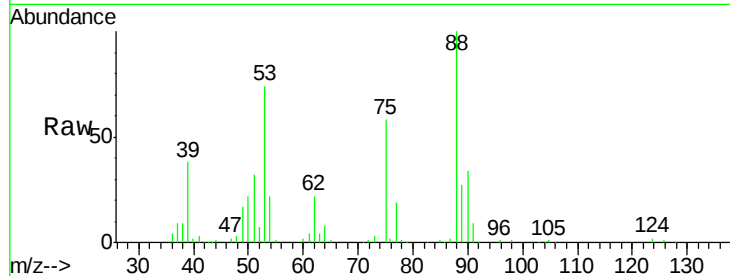
#81
trans-1,4-Dichloro-2-butene
Concen: 54.393 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.2	97.8	146.8
89	45.6	39.4	59.2

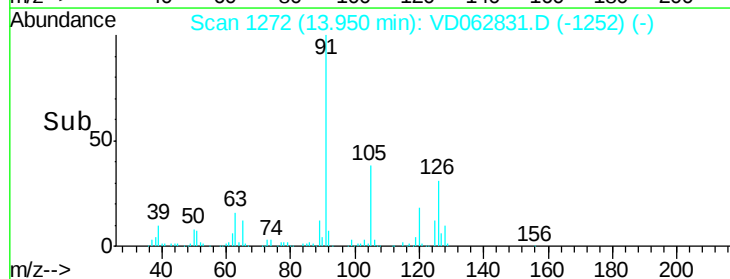
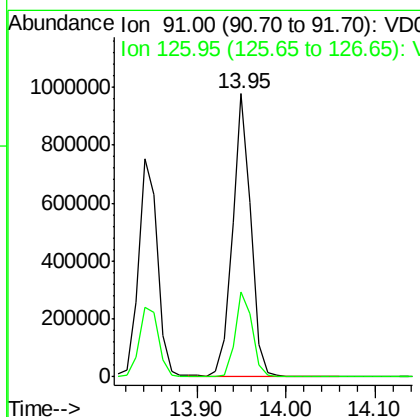
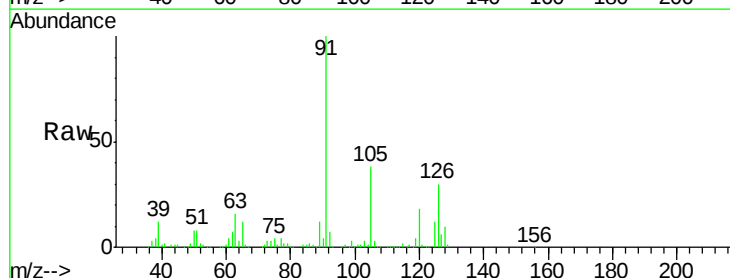
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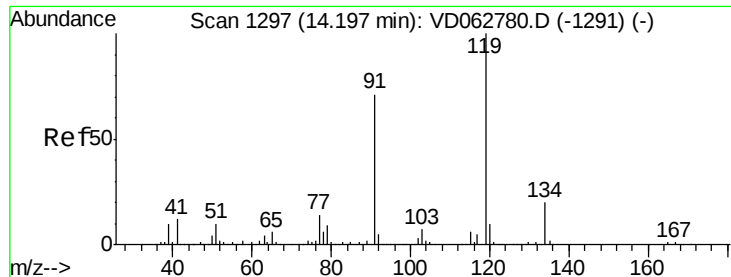
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6/25/2019 10:00:06 AM



#82
4-Chlorotoluene
Concen: 49.902 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	16.0	47.9





#83

tert-Butylbenzene

Concen: 51.945 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1722838

Ion Ratio Lower Upper

119 100

91 72.7 35.5 106.5

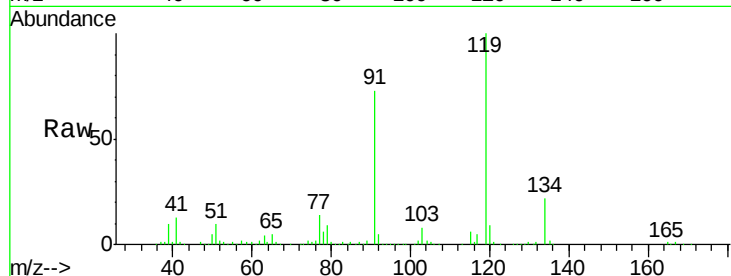
134 22.2 10.2 30.6

Manual Integrations

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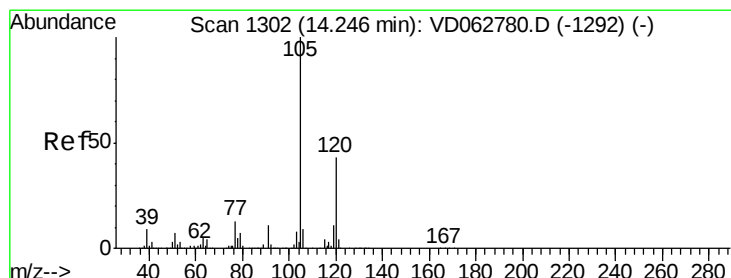
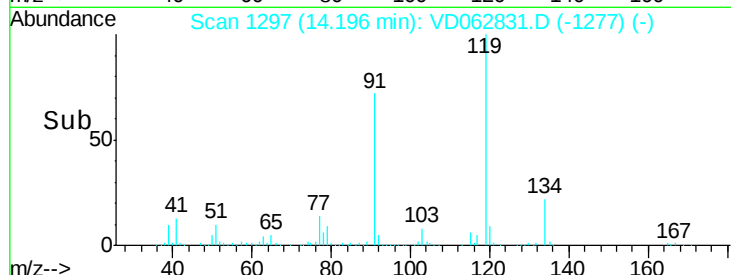
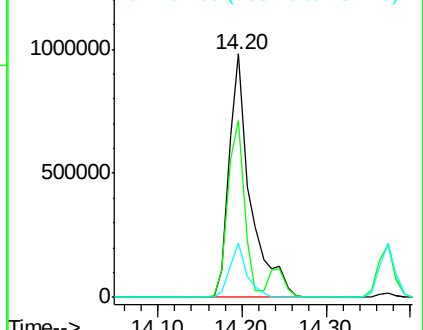
6/25/2019 10:00:06 AM



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.779 ug/l

RT: 14.25 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD062831.D

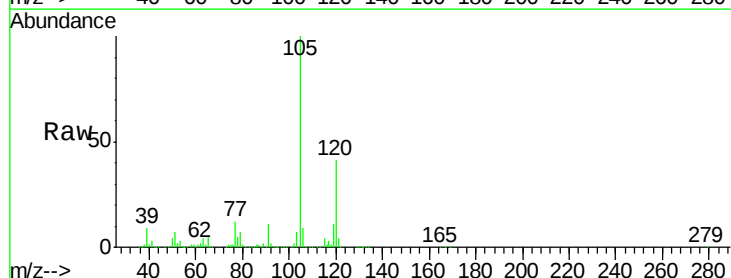
Acq: 24 Jun 2019 10:46

Tgt Ion:105 Resp: 1518143

Ion Ratio Lower Upper

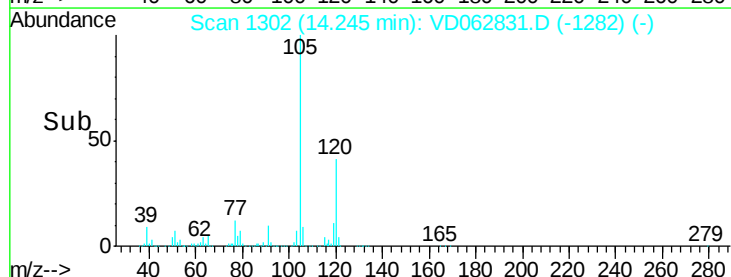
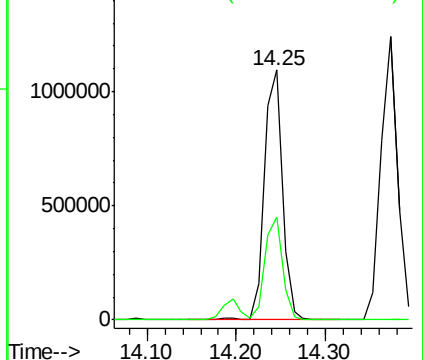
105 100

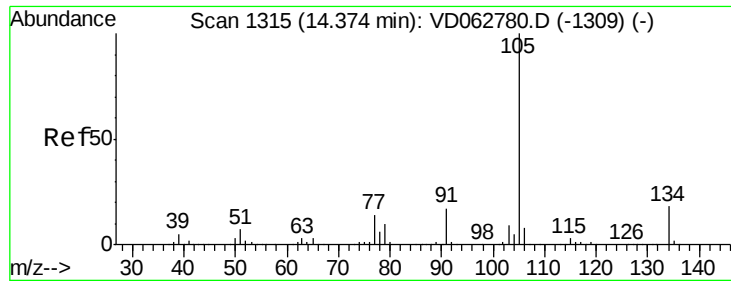
120 41.5 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





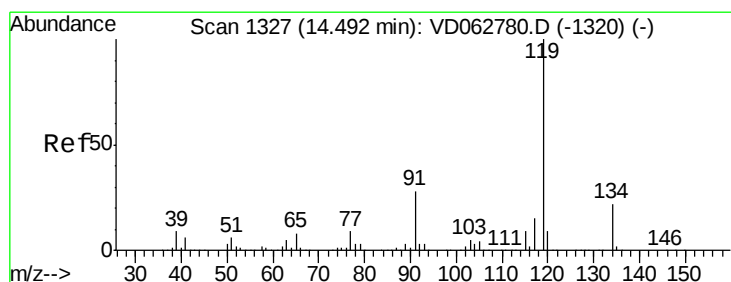
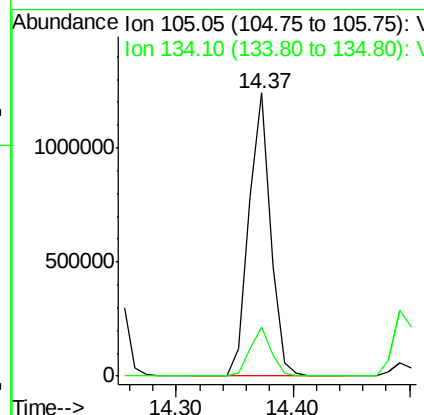
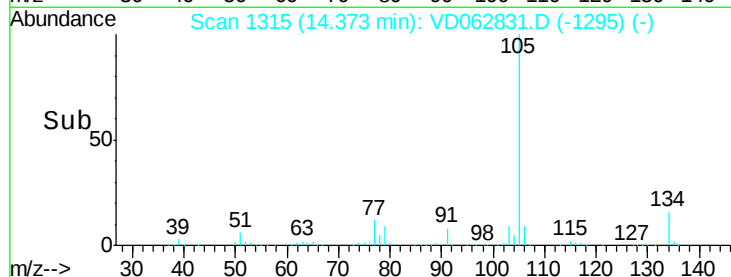
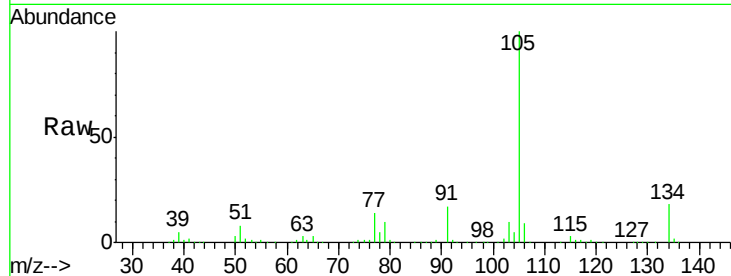
#85
 sec-Butylbenzene
 Concen: 44.514 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1604644
 Ion Ratio Lower Upper
 105 100
 134 17.6 9.1 27.3

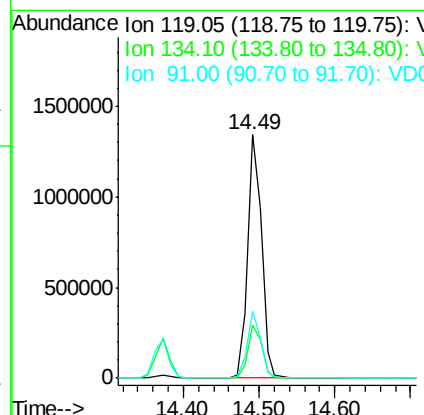
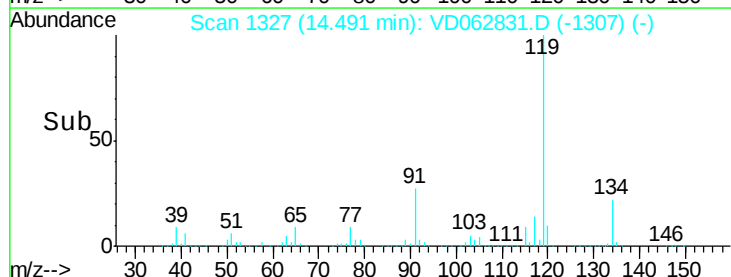
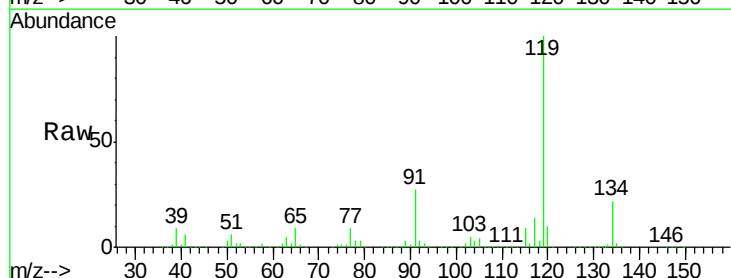
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#86
 p-Isopropyltoluene
 Concen: 51.014 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Tgt Ion:119 Resp: 1682345
 Ion Ratio Lower Upper
 119 100
 134 21.6 11.1 33.1
 91 27.4 14.0 41.9





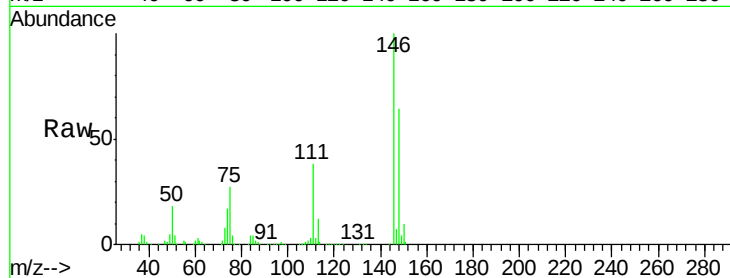
#87
 1,3-Dichlorobenzene
 Concen: 52.982 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

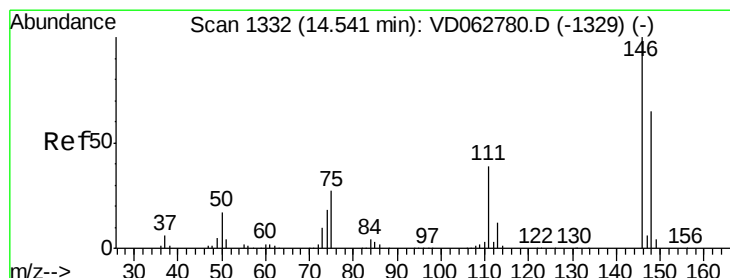
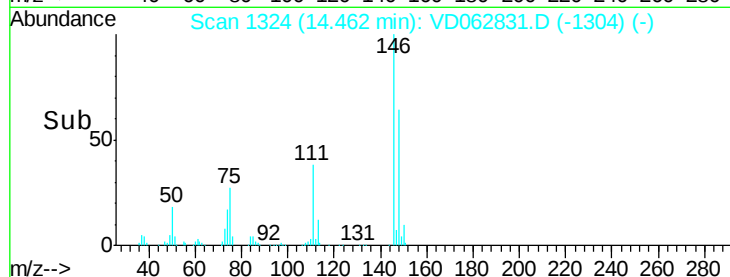
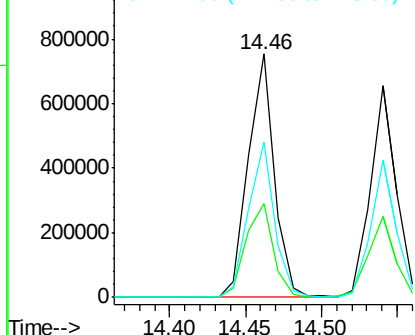
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	63.6	30.8	92.3

Manual Integrations
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 6/25/2019 10:00:06 AM

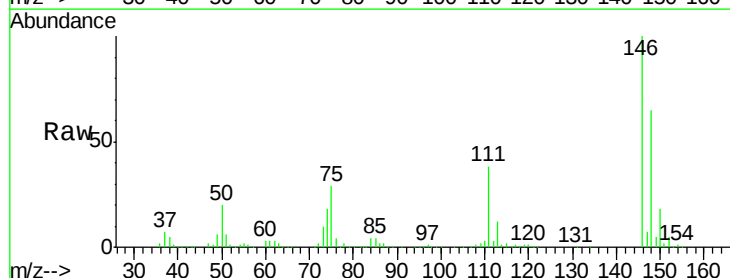


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

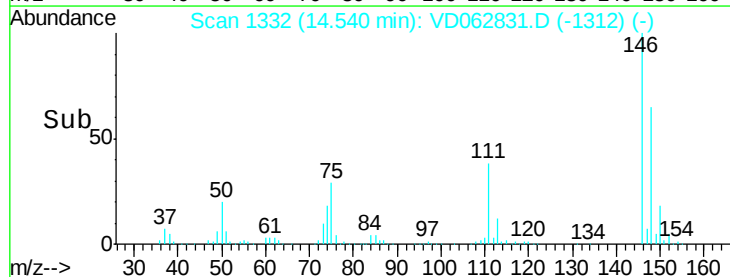
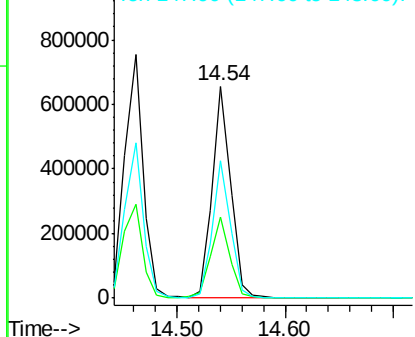


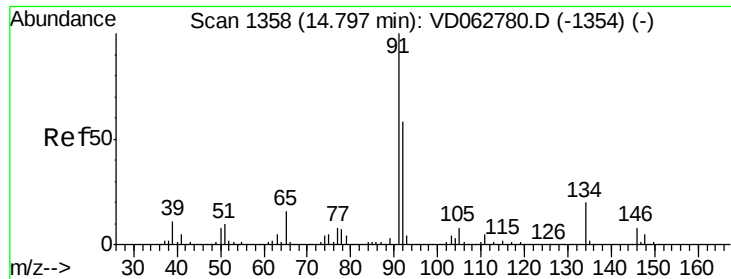
#88
 1,4-Dichlorobenzene
 Concen: 45.870 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.1
148	64.8	32.8	98.3



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





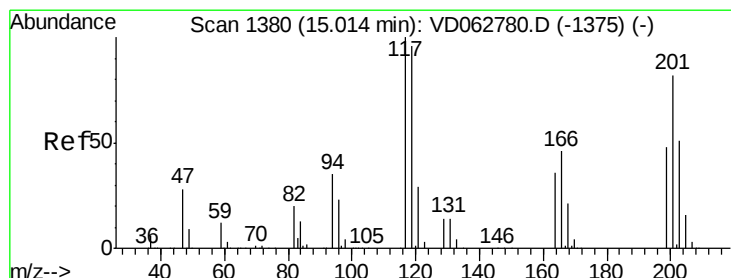
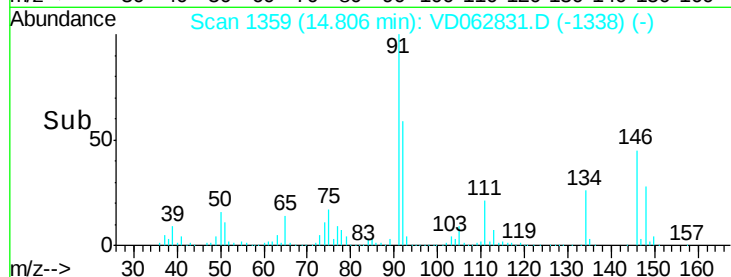
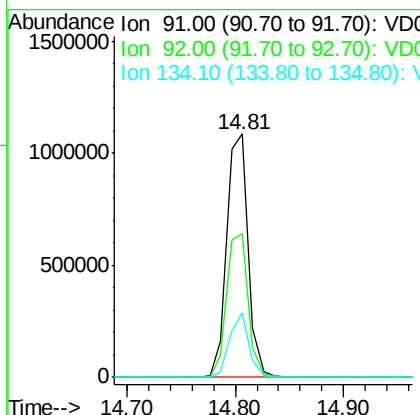
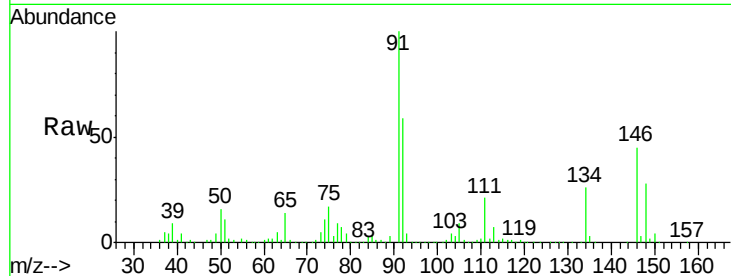
#89
n-Butylbenzene
Concen: 48.560 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1498859
Ion Ratio Lower Upper
91 100
92 59.3 28.9 86.7
134 26.3 10.1 30.3

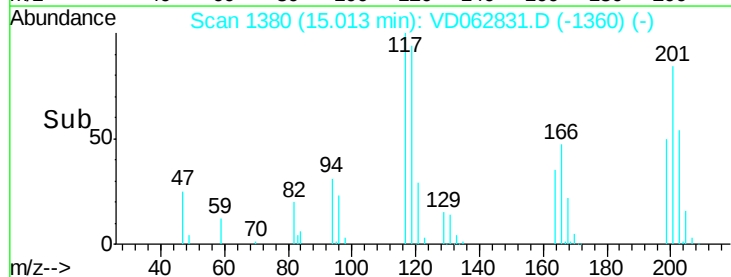
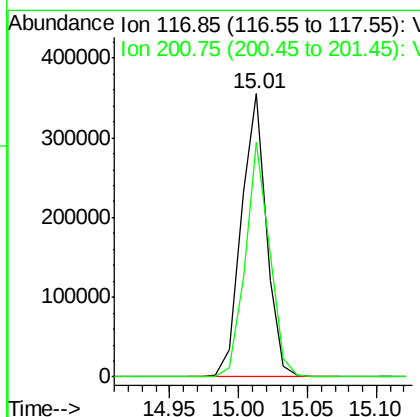
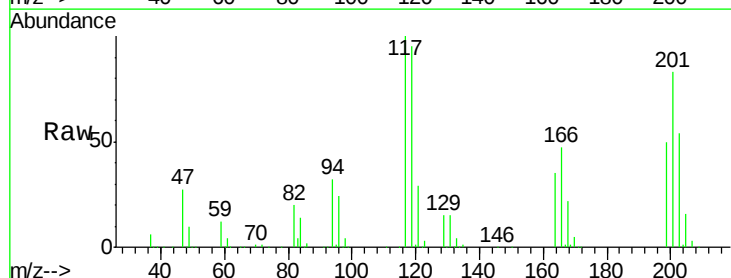
Manual Integrations
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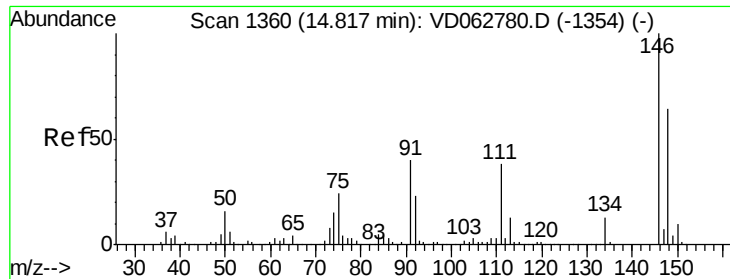
MMDadoda
6/25/2019 10:00:06 AM



#90
Hexachloroethane
Concen: 50.751 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 117 Resp: 449995
Ion Ratio Lower Upper
117 100
201 82.9 40.8 122.2





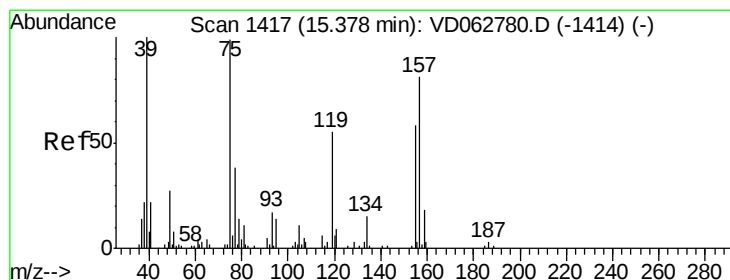
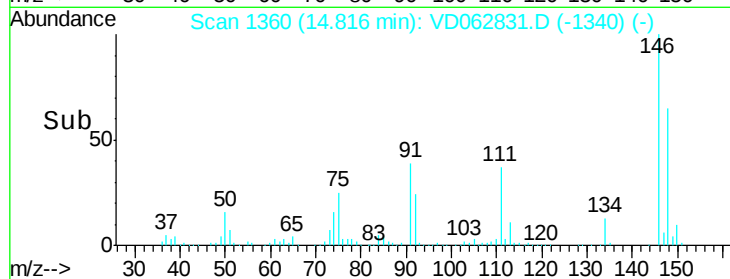
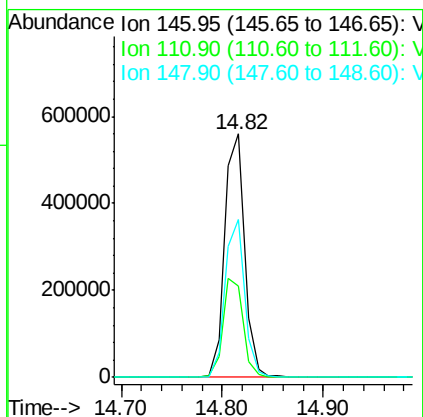
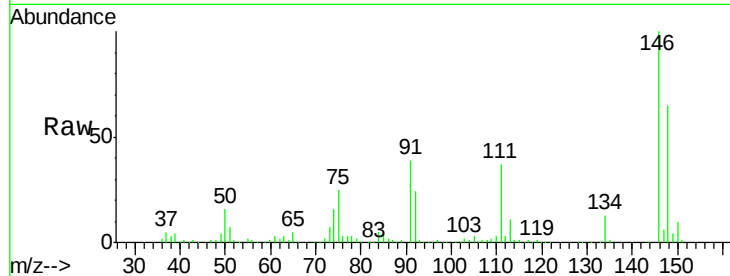
#91
 1,2-Dichlorobenzene
 Concen: 52.627 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.1
148	64.9	32.3	96.8

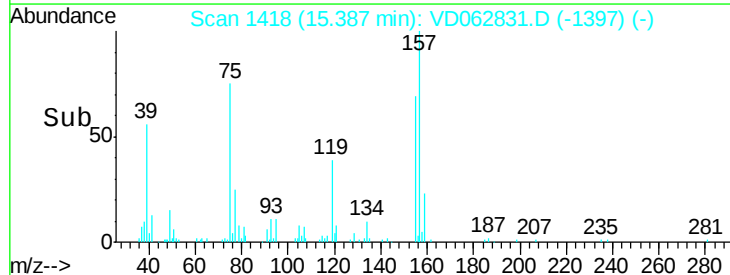
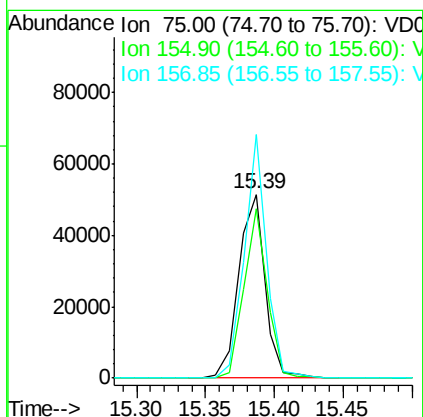
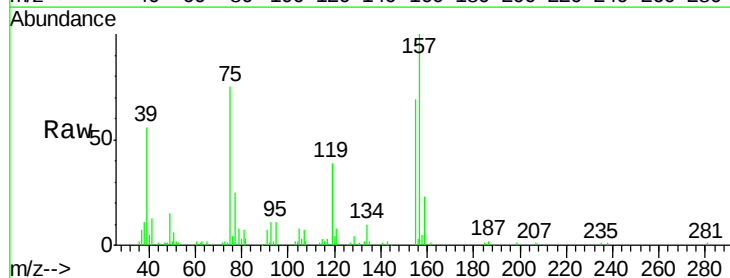
Manual Integrations
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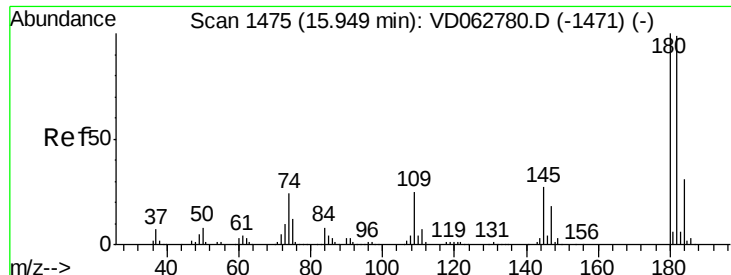
MMDadoda
 6/25/2019 10:00:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.800 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	29.3	87.8#
157	132.6	41.3	123.7#





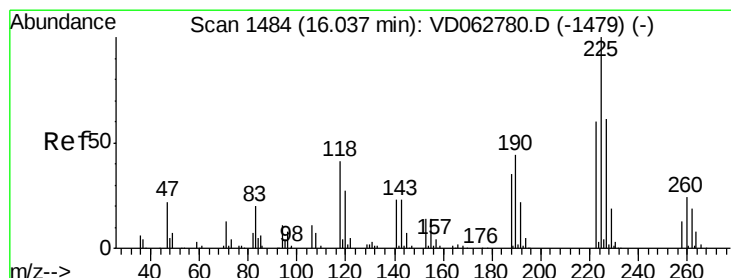
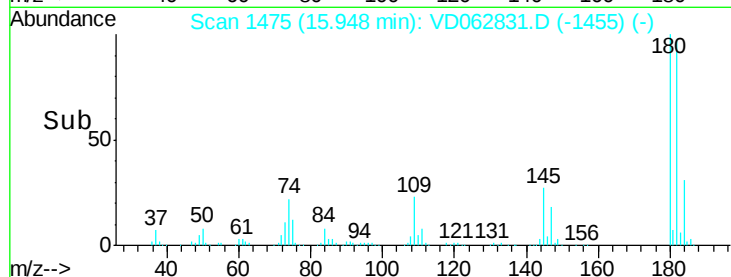
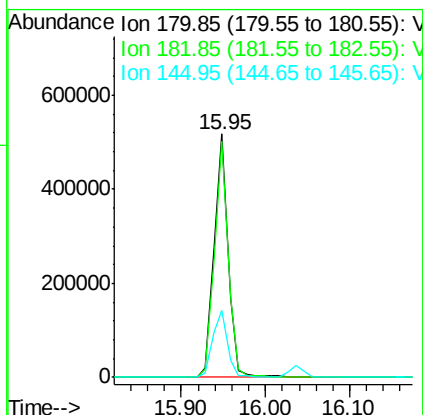
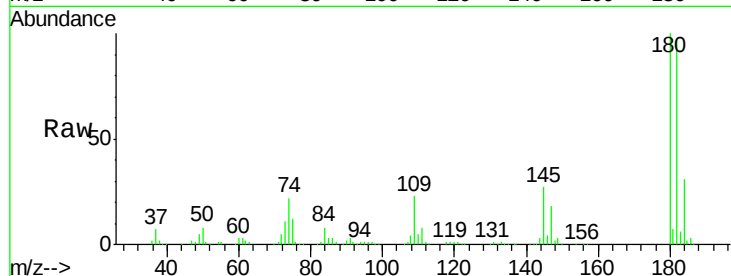
#93
 1,2,4-Trichlorobenzene
 Concen: 53.011 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	605140		
182	96.7	49.5	148.5	
145	27.5	13.7	41.0	

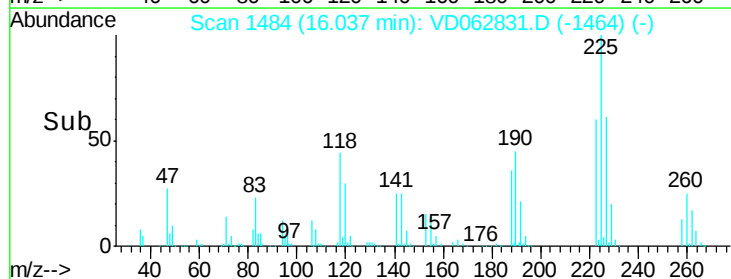
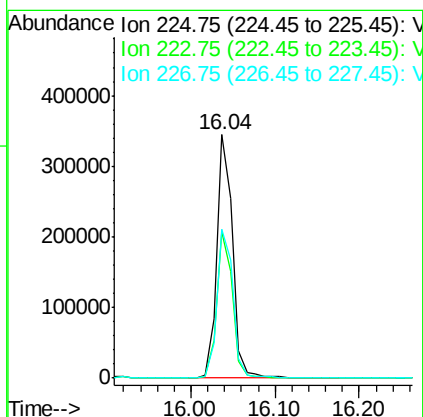
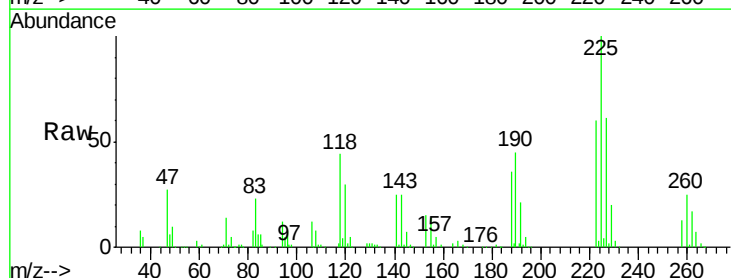
Manual Integrations
 APPROVED

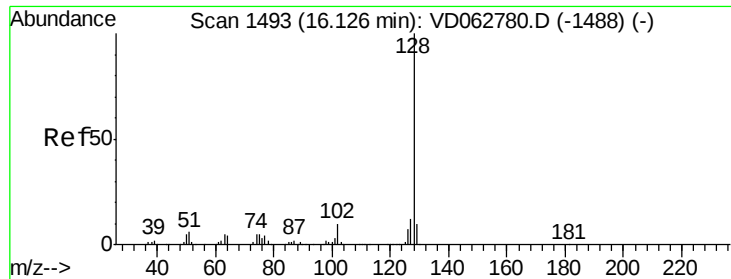
MMDadoda
 6/25/2019 10:00:06 AM



#94
 Hexachlorobutadiene
 Concen: 50.954 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	444361		
223	60.2	29.8	89.5	
227	61.3	30.6	91.6	





#95

Naphthalene

Concen: 51.138 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

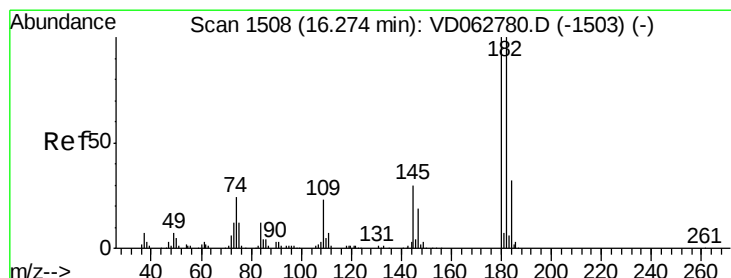
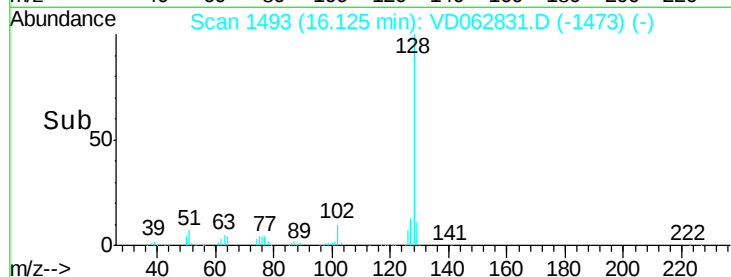
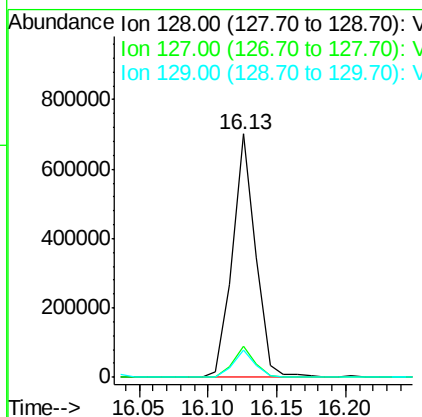
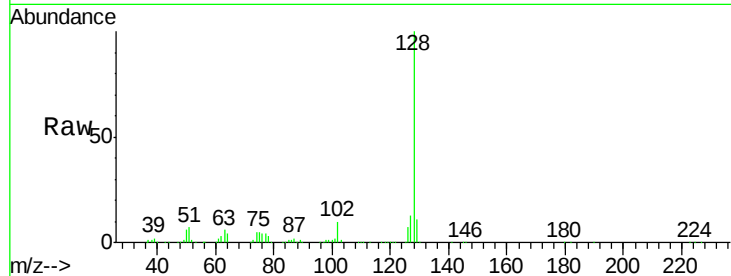
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	818191
Ion Ratio	Lower	Upper	
128	100		
127	12.8	9.7	14.5
129	11.0	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
6/25/2019 10:00:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.312 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Tgt Ion:	180	Resp:	476364
Ion Ratio	Lower	Upper	
180	100		
182	93.8	49.9	149.6
145	28.9	15.2	45.5

