

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064901.D
 Acq On : 21 Jan 2020 09:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:20 AM

Quant Time: Jan 22 06:02:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	354232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	497278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	430412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	143791	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
35) Dibromofluoromethane	7.92	113	149201	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.34	98	537600	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
62) 4-Bromofluorobenzene	12.64	95	173984	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	117523	42.691	ug/l	99
3) Chloromethane	2.21	50	169807	44.105	ug/l	98
4) Vinyl Chloride	2.35	62	203268	43.301	ug/l	96
5) Bromomethane	2.78	94	136954	40.124	ug/l	96
6) Chloroethane	2.93	64	140648	44.715	ug/l	97
7) Trichlorofluoromethane	3.27	101	347040	43.906	ug/l	100
8) Diethyl Ether	3.71	74	73723	46.969	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	170681	52.141	ug/l	97
10) Methyl Iodide	4.30	142	161729	45.996	ug/l	99
11) Tert butyl alcohol	5.25	59	42922	239.770	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	151277	48.541	ug/l	97
13) Acrolein	3.93	56	31289	125.416	ug/l	99
14) Allyl chloride	4.71	41	243145	50.040	ug/l	97
15) Acrylonitrile	5.43	53	156889	239.969	ug/l	98
16) Acetone	4.17	43	192179	298.530	ug/l	93
17) Carbon Disulfide	4.40	76	423358	42.012	ug/l	100
18) Methyl Acetate	4.72	43	80915	46.013	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	339442	49.037	ug/l	100
20) Methylene Chloride	4.97	84	165576	52.029	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	174636	49.204	ug/l	96
22) Diisopropyl ether	6.37	45	516509	53.294	ug/l	100
23) Vinyl Acetate	6.31	43	1381418	251.272	ug/l	99
24) 1,1-Dichloroethane	6.26	63	316173	54.342	ug/l	98
25) 2-Butanone	7.23	43	222578	259.235	ug/l	94
26) 2,2-Dichloropropane	7.21	77	293126	54.187	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	196979	51.425	ug/l	97
28) Bromochloromethane	7.56	49	114874	50.791	ug/l	99
29) Tetrahydrofuran	7.57	42	121350	227.273	ug/l	97
30) Chloroform	7.71	83	327928	53.721	ug/l	99
31) Cyclohexane	7.98	56	272716	46.826	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	304290	53.072	ug/l	99
36) 1,1-Dichloropropene	8.11	75	252218	52.696	ug/l	100
37) Ethyl Acetate	7.30	43	87018	46.279	ug/l	97
38) Carbon Tetrachloride	8.10	117	278997	54.667	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	291066	50.209	ug/l	99
40) Benzene	8.36	78	691920	52.956	ug/l	98
41) Methacrylonitrile	7.53	41	53400m	48.948	ug/l	
42) 1,2-Dichloroethane	8.43	62	199944	52.955	ug/l	98
43) Isopropyl Acetate	8.46	43	179382	47.930	ug/l	98
44) Trichloroethene	9.12	130	196016	51.067	ug/l	97
45) 1,2-Dichloropropane	9.39	63	173844	55.725	ug/l	97
46) Dibromomethane	9.48	93	86146	49.528	ug/l	99
47) Bromodichloromethane	9.67	83	250759	54.179	ug/l	96
48) Methyl methacrylate	9.46	41	79882	45.331	ug/l	87
49) 1,4-Dioxane	9.47	88	17678	881.446	ug/l	92
51) 4-Methyl-2-Pentanone	10.24	43	454574	245.732	ug/l	100
52) Toluene	10.41	92	452873	52.830	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	223916	51.892	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	273574	53.768	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	121346	51.768	ug/l	97
56) Ethyl methacrylate	10.67	69	144347	49.309	ug/l	99
57) 1,3-Dichloropropane	10.95	76	207397	51.387	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	260083	233.191	ug/l	99
59) 2-Hexanone	10.99	43	334258	266.225	ug/l	99
60) Dibromochloromethane	11.14	129	166843	51.471	ug/l	100
61) 1,2-Dibromoethane	11.25	107	114744	49.630	ug/l	99
64) Tetrachloroethene	10.88	164	168463	51.018	ug/l	98
65) Chlorobenzene	11.68	112	477079	53.406	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	188161	55.873	ug/l	97
67) Ethyl Benzene	11.75	91	883296	54.477	ug/l	99
68) m/p-Xylenes	11.86	106	684769	109.417	ug/l	99
69) o-Xylene	12.18	106	304378	53.845	ug/l	99
70) Styrene	12.20	104	539583	54.381	ug/l	99
71) Bromoform	12.37	173	93861	48.873	ug/l	100
73) Isopropylbenzene	12.48	105	845139	53.986	ug/l	98
74) N-amyl acetate	12.30	43	162033	48.420	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	124766	50.734	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	85221m	49.265	ug/l	
77) Bromobenzene	12.77	156	195397	50.797	ug/l	98
78) n-propylbenzene	12.83	91	996057	54.539	ug/l	99
79) 2-Chlorotoluene	12.91	91	541991	54.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	693228	53.907	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	40845	49.383	ug/l	97
82) 4-Chlorotoluene	13.01	91	571781	53.554	ug/l	100
83) tert-Butylbenzene	13.23	119	590443	52.881	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	688237	53.737	ug/l	98
85) sec-Butylbenzene	13.41	105	833355	54.442	ug/l	99
86) p-Isopropyltoluene	13.53	119	778755	53.206	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	383595	52.311	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	376640	52.285	ug/l	99
89) n-Butylbenzene	13.86	91	719246	54.568	ug/l	98
90) Hexachloroethane	14.12	117	150398	53.793	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	322810	51.626	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	19148	48.030	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	231073	50.189	ug/l	98
94) Hexachlorobutadiene	15.28	225	143919	49.675	ug/l	97
95) Naphthalene	15.41	128	330888	45.429	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	187125	47.609	ug/l	99

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

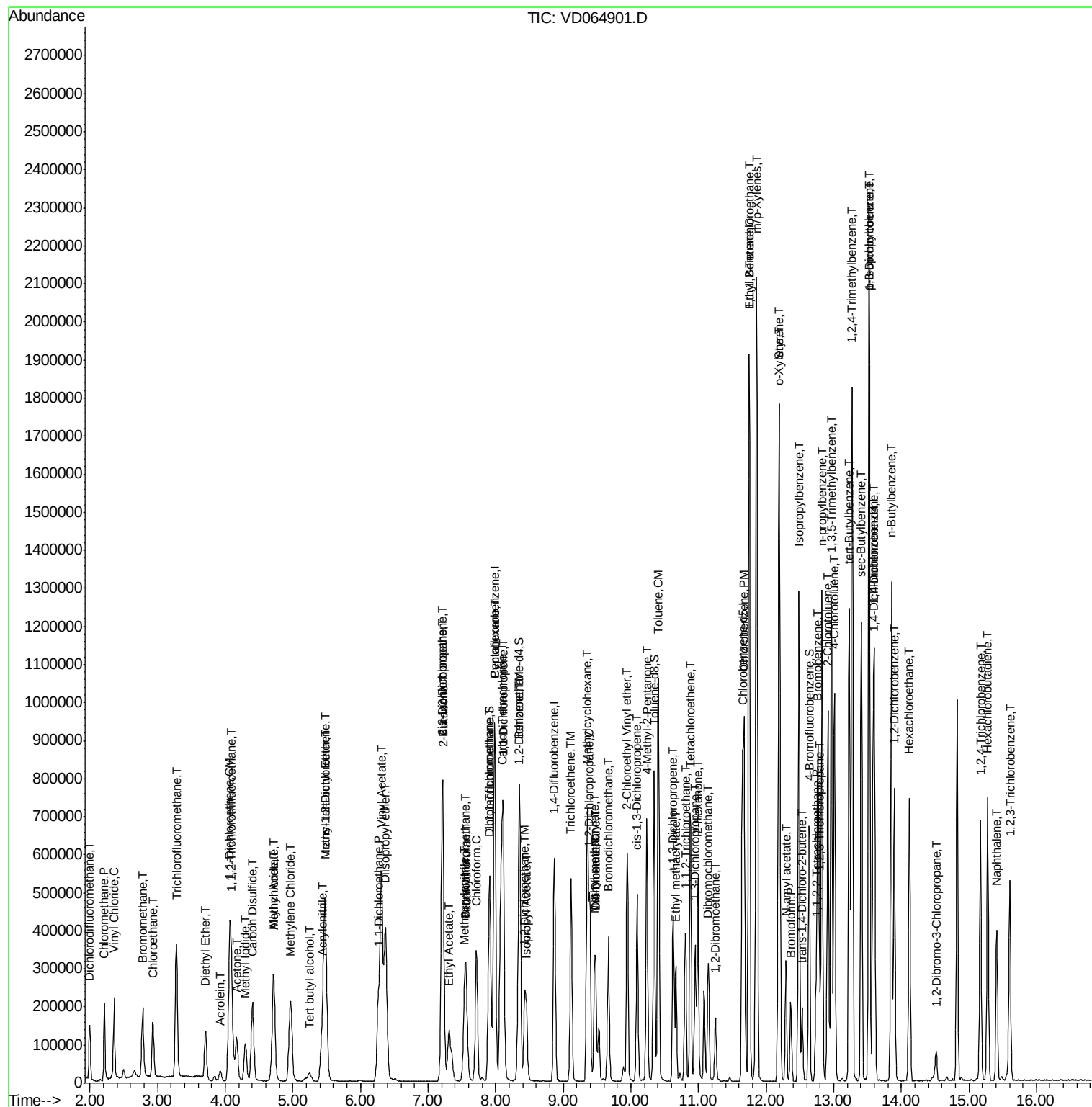
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 Data File : VD064901.D
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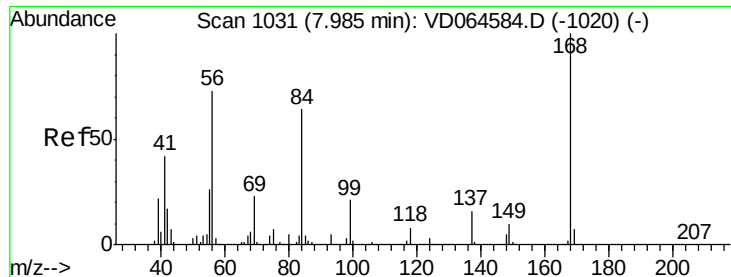
Instrument :
 MSVOA_D
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 354232

Ion Ratio Lower Upper

168 100

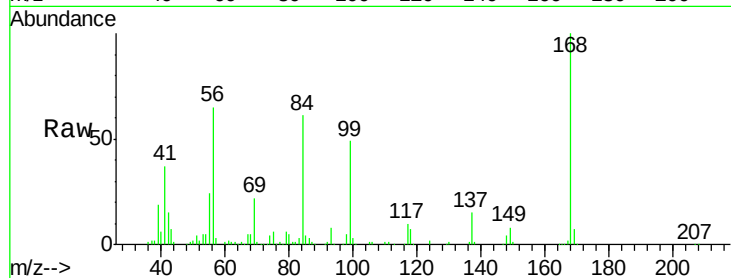
99 49.0 41.8 62.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

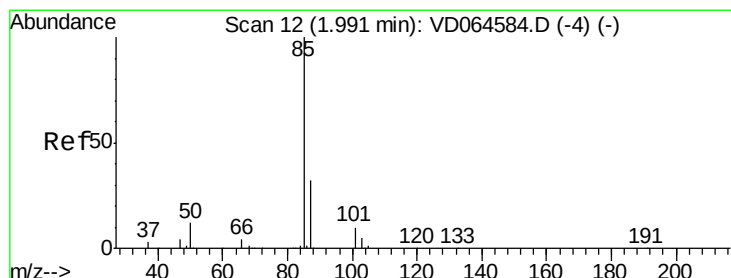
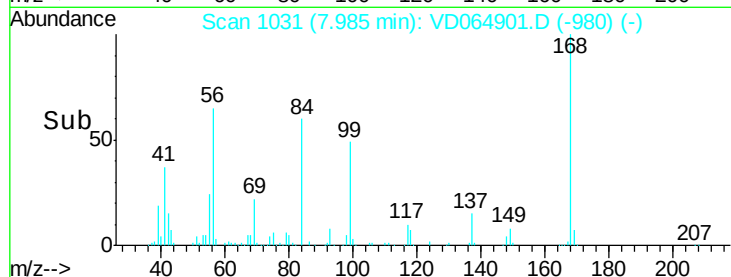
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 42.691 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064901.D

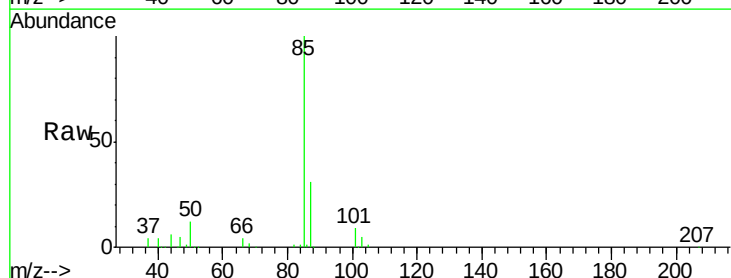
Acq: 21 Jan 2020 09:21

Tgt Ion: 85 Resp: 117523

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

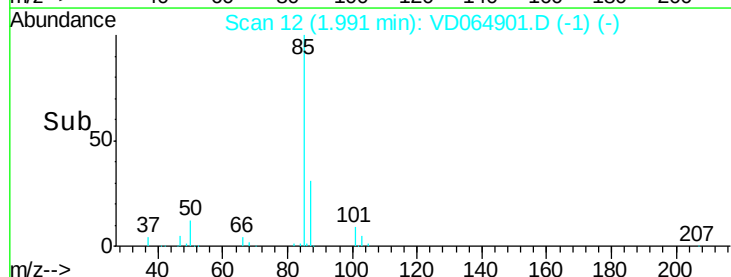
40000

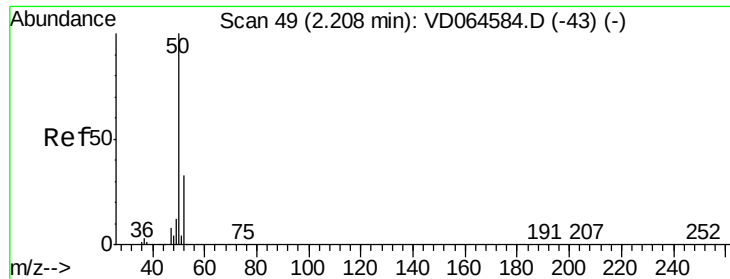
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.105 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 169807

Ion Ratio Lower Upper

50 100

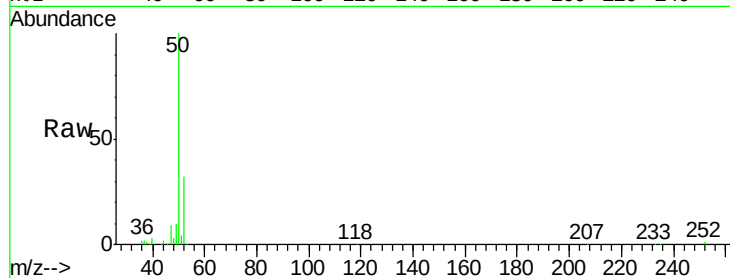
52 31.8 26.5 39.7

Manual Integrations

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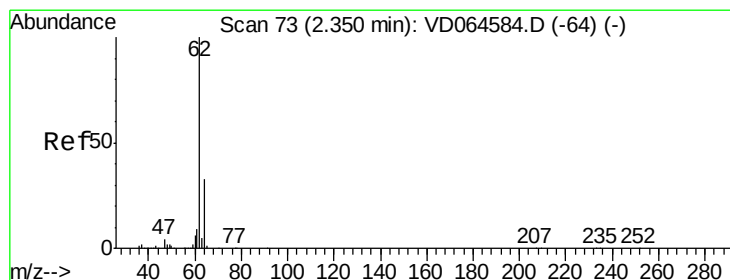
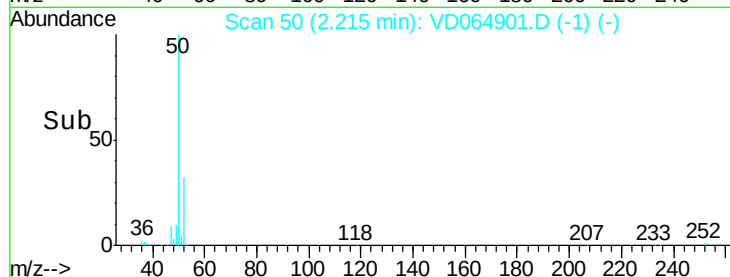
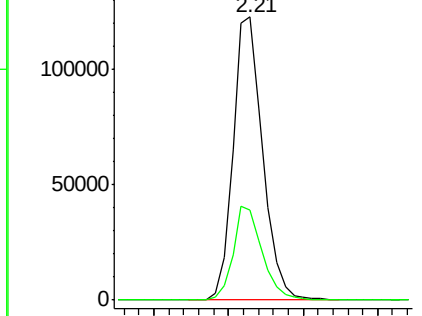
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.301 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064901.D

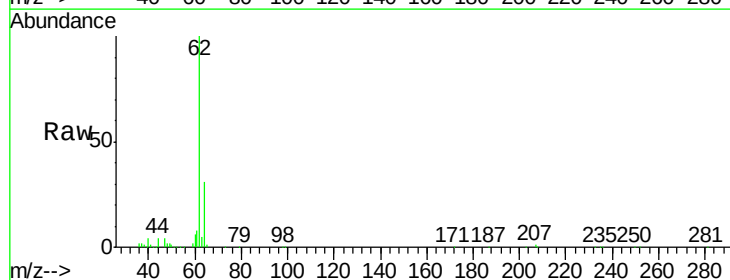
Acq: 21 Jan 2020 09:21

Tgt Ion: 62 Resp: 203268

Ion Ratio Lower Upper

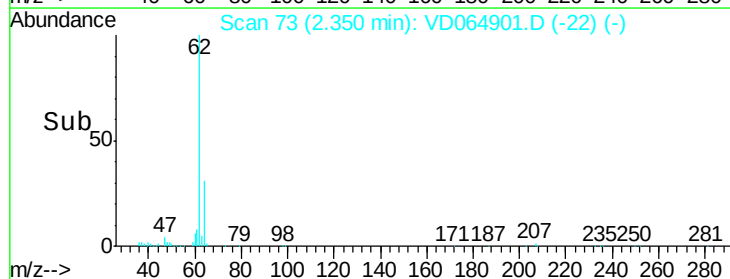
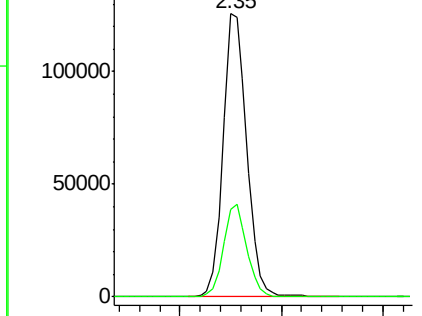
62 100

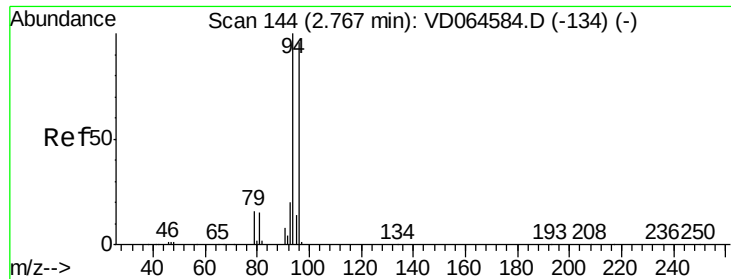
64 30.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 40.124 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 136954

Ion Ratio Lower Upper

94 100

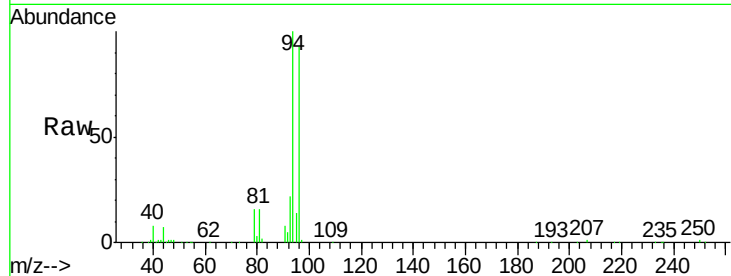
96 92.8 77.2 115.8

Manual Integrations

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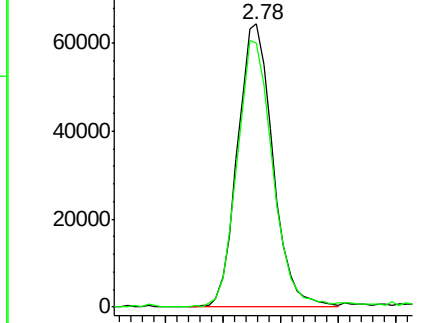
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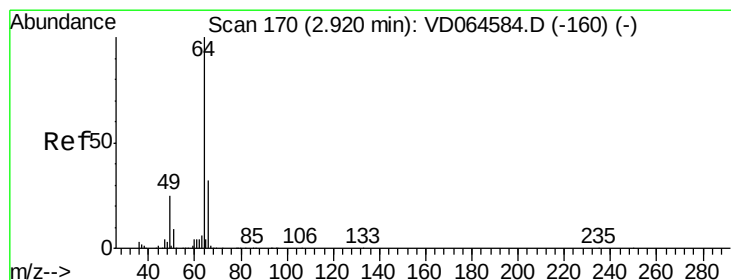
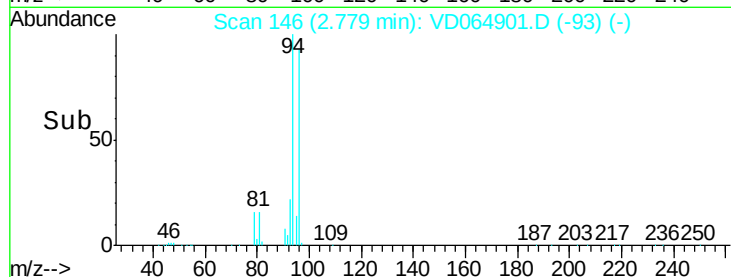


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 44.715 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD064901.D

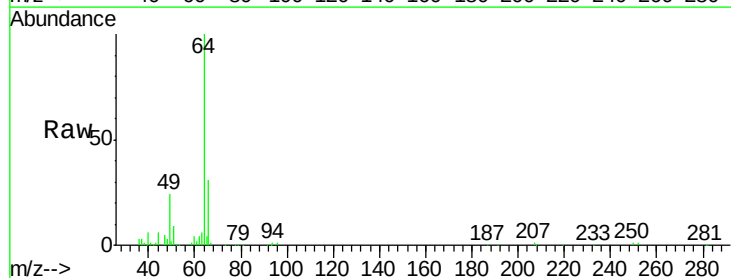
Acq: 21 Jan 2020 09:21

Tgt Ion: 64 Resp: 140648

Ion Ratio Lower Upper

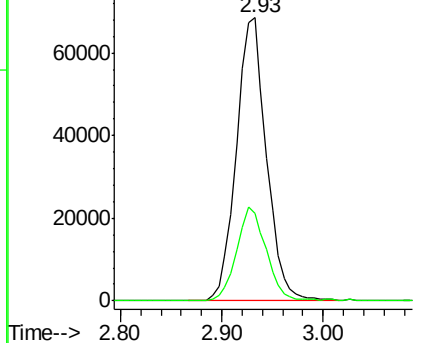
64 100

66 30.8 25.9 38.9

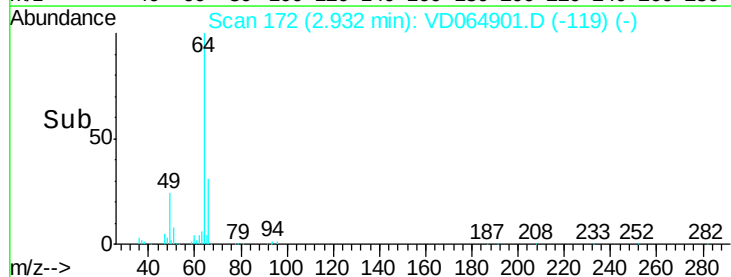


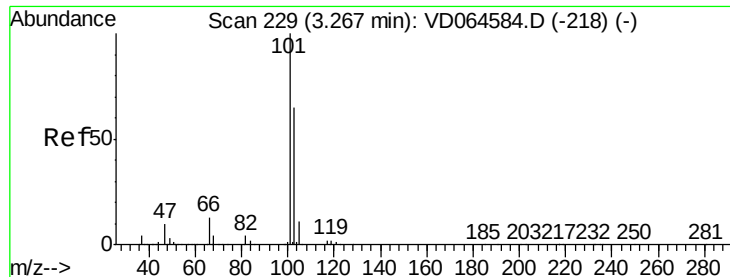
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

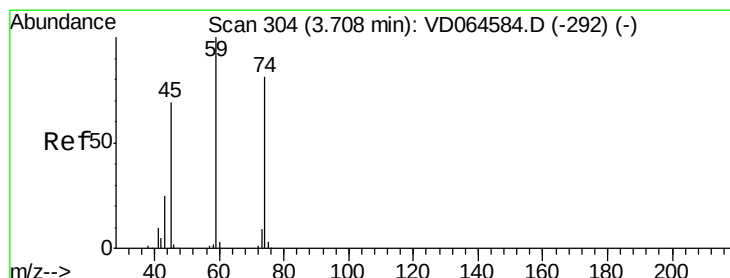
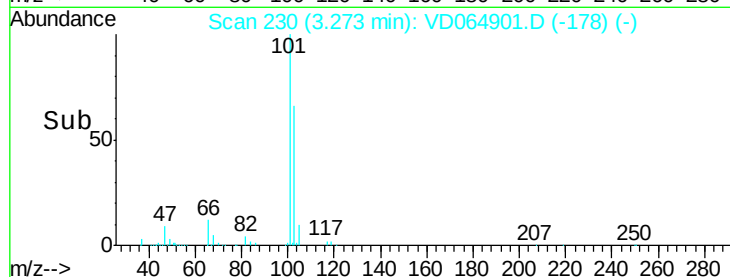
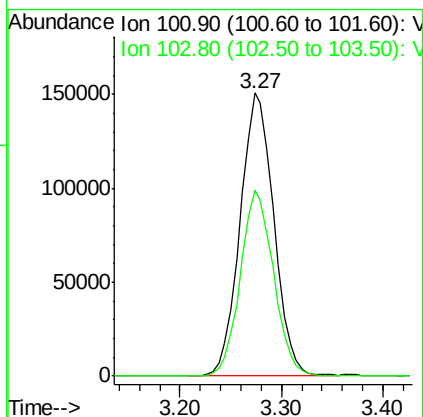
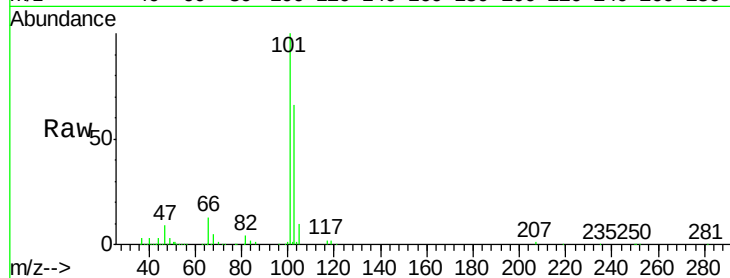
Trichlorofluoromethane
 Concen: 43.906 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.2	78.4

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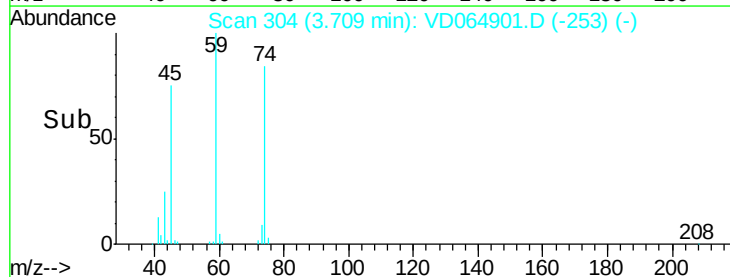
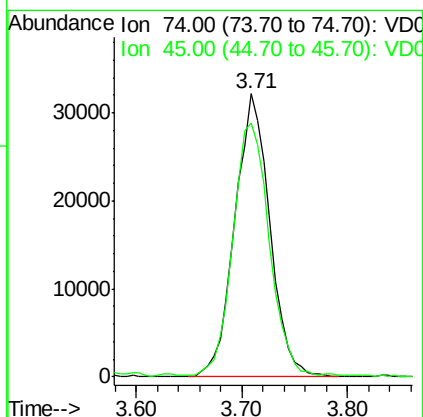
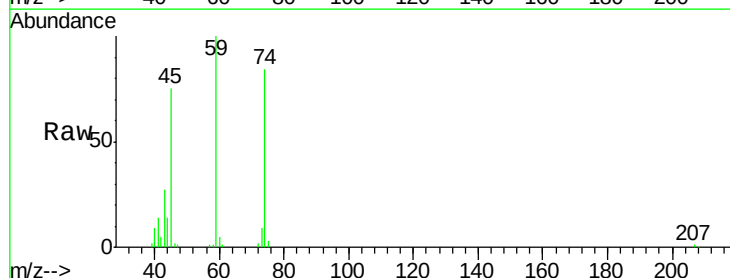
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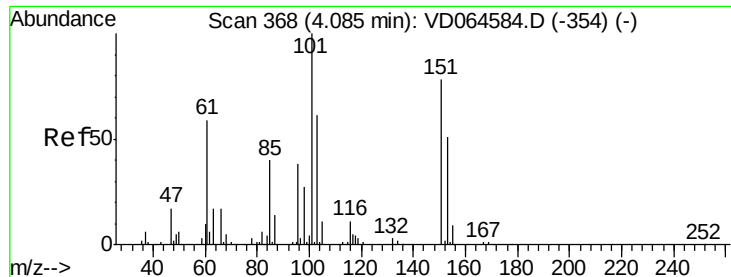


#8

Diethyl Ether
 Concen: 46.969 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064901.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.141 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

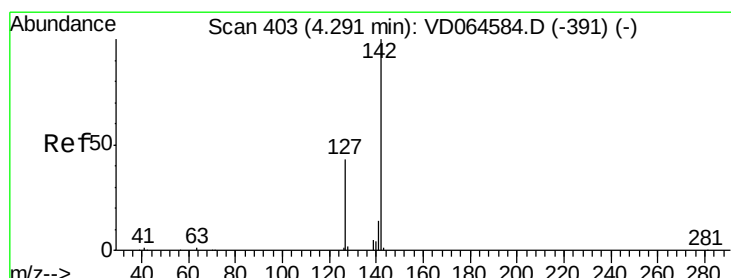
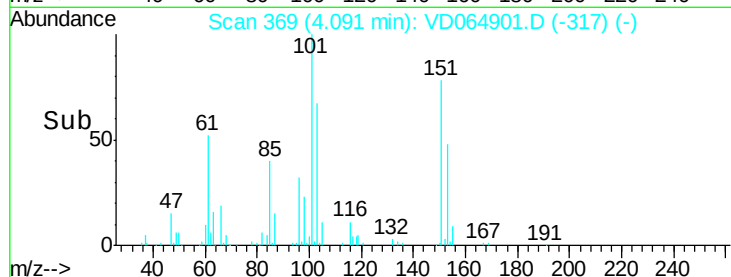
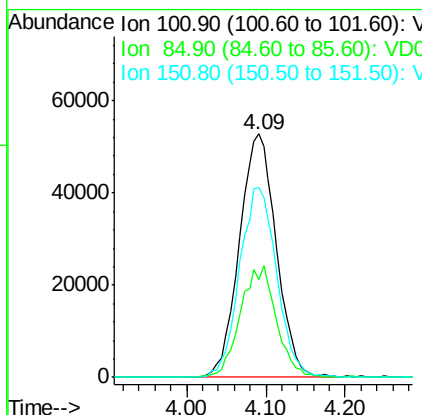
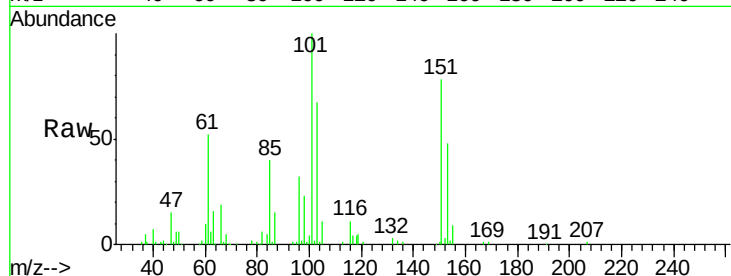
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	170681
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.2	52.8
151	78.6	66.2	99.4

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#10

Methyl Iodide

Concen: 45.996 ug/l

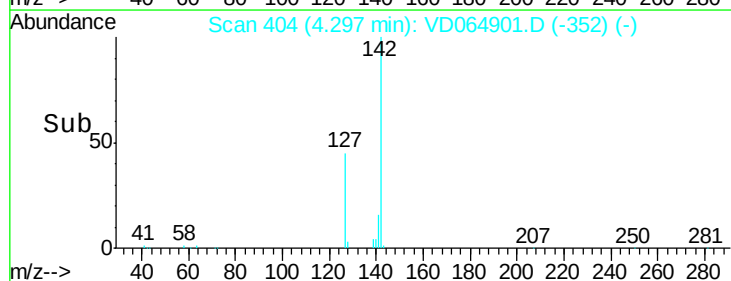
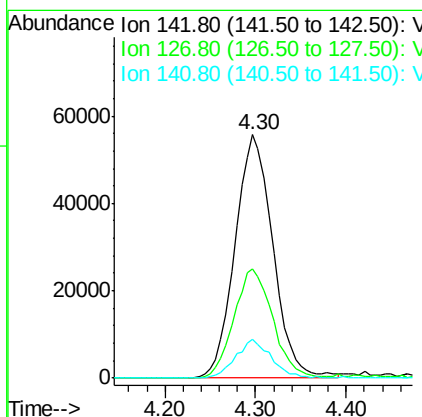
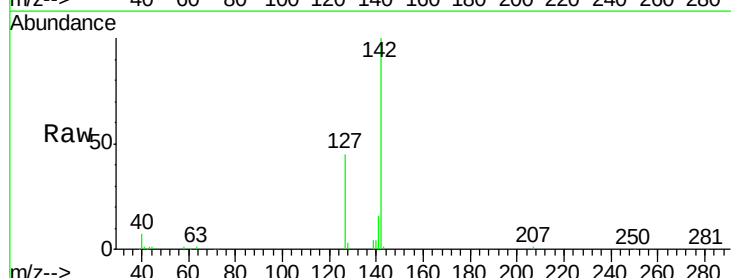
RT: 4.30 min Scan# 404

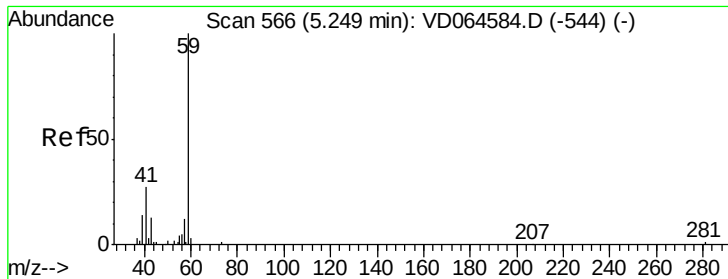
Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Tgt Ion:	142	Resp:	161729
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.2	54.4
141	14.7	11.8	17.8





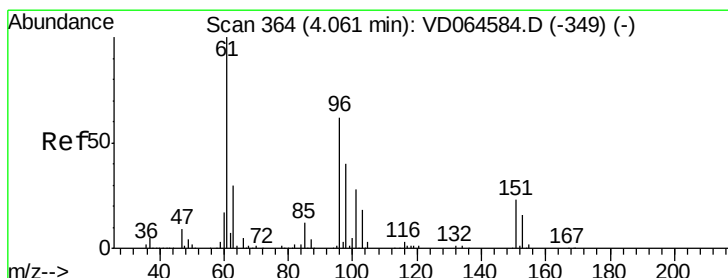
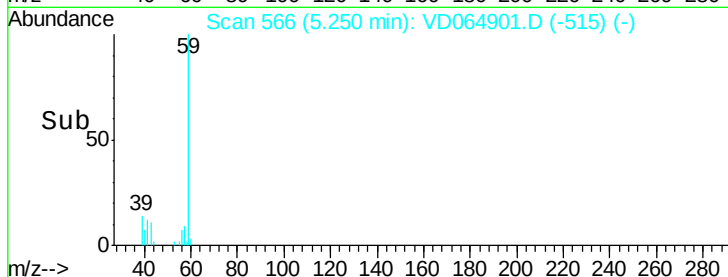
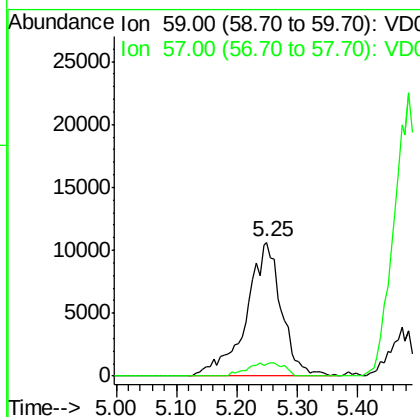
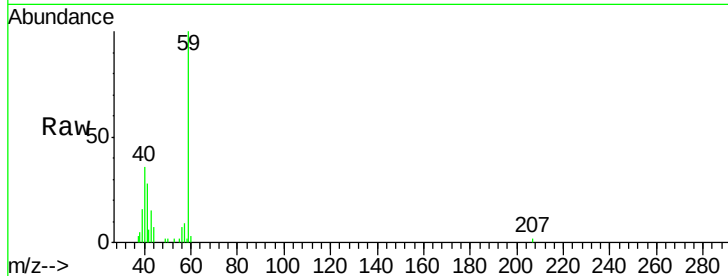
#11
Tert butyl alcohol
Concen: 239.770 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	42922
Ion Ratio	100	Lower	Upper
57	5.1	9.3	13.9#

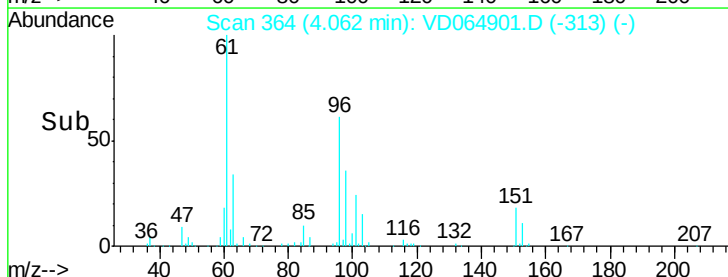
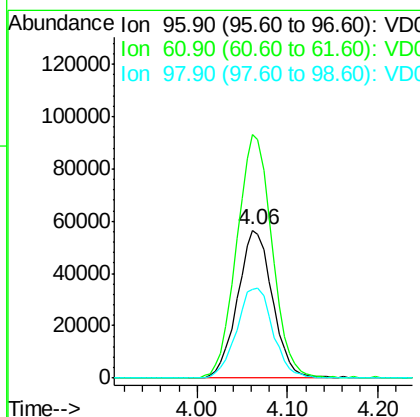
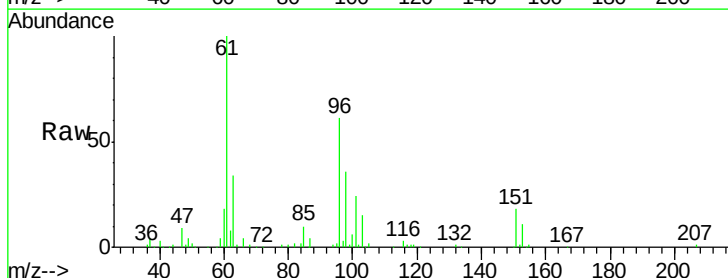
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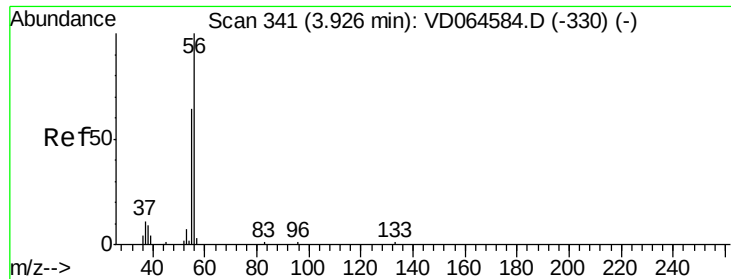
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#12
1,1-Dichloroethene
Concen: 48.541 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	96	Resp	151277
Ion Ratio	100	Lower	Upper
61	164.5	129.4	194.0
98	59.7	51.4	77.0





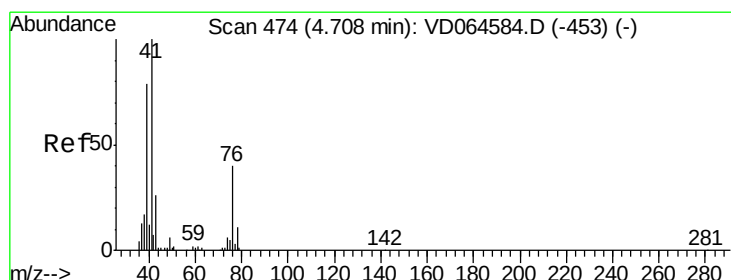
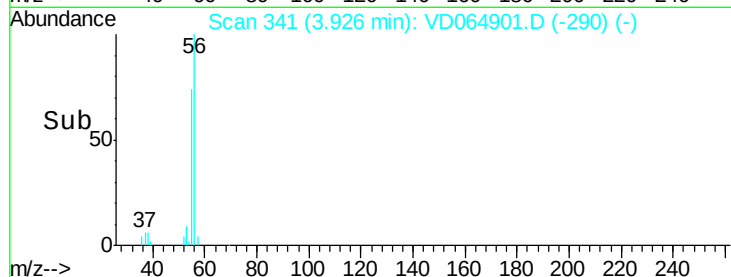
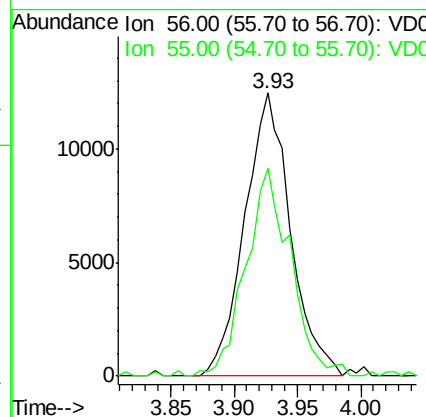
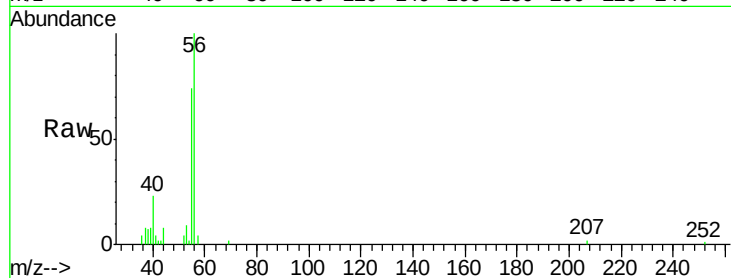
#13
Acrolein
Concen: 125.416 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	31289
Ion Ratio	100	Lower	Upper
56	100		
55	71.7	56.7	85.1

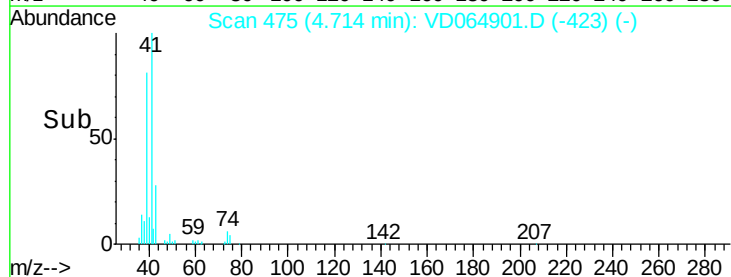
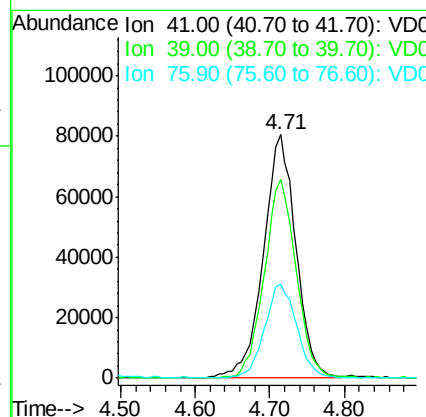
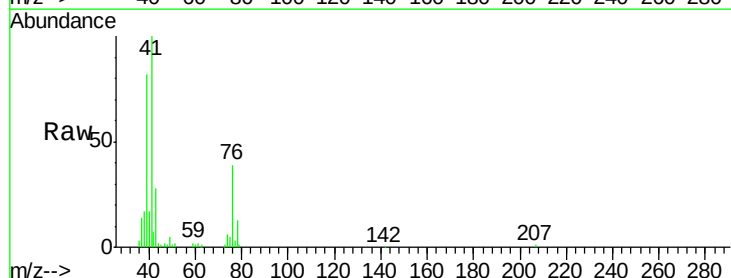
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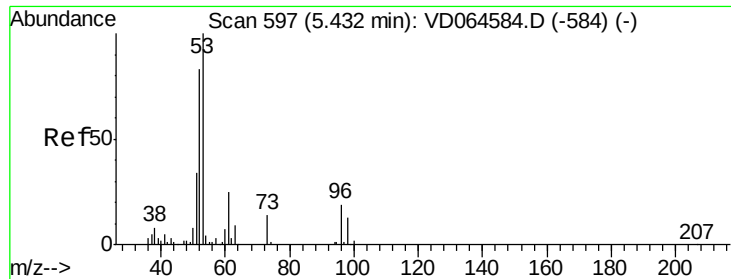
MMDadoda
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#14
Allyl chloride
Concen: 50.040 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	41	Resp	243145
Ion Ratio	100	Lower	Upper
41	100		
39	80.5	62.3	93.5
76	38.4	29.7	44.5





#15

Acrylonitrile

Concen: 239.969 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

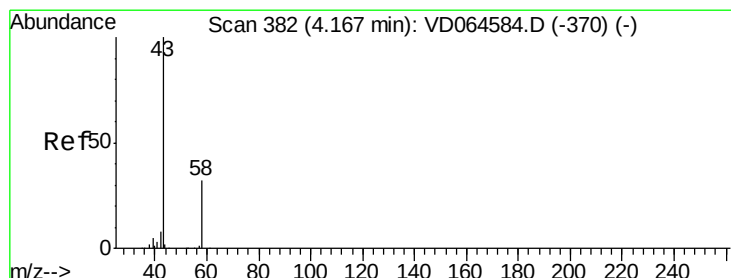
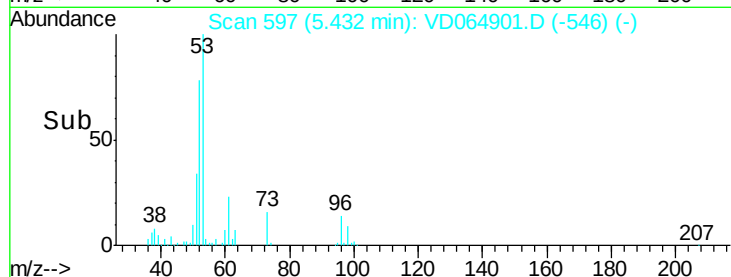
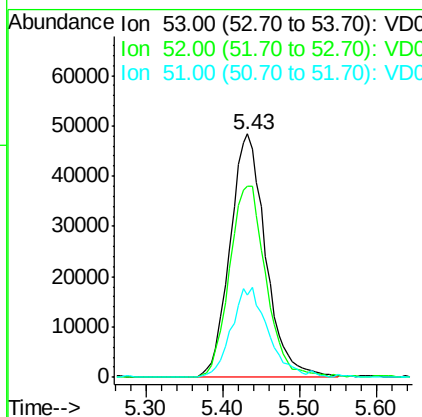
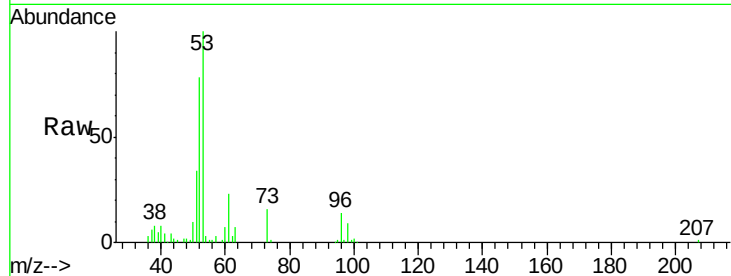
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	156889
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.2	99.2
51	37.5	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 298.530 ug/l

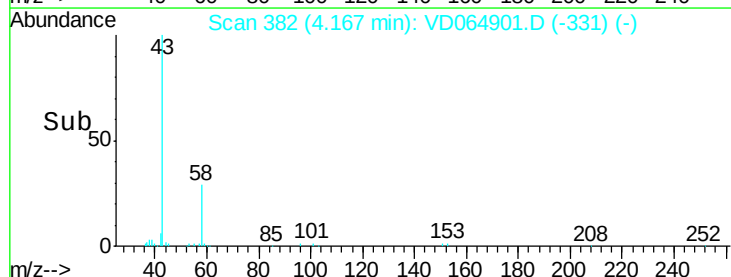
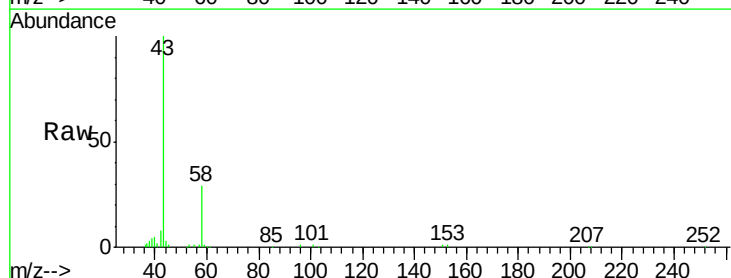
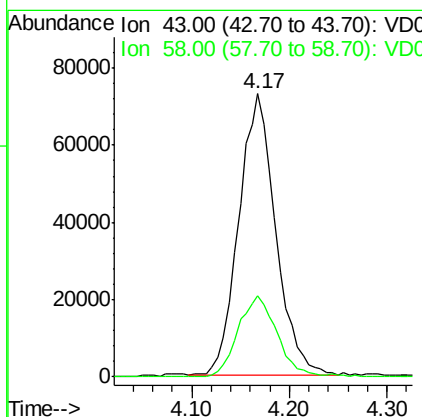
RT: 4.17 min Scan# 382

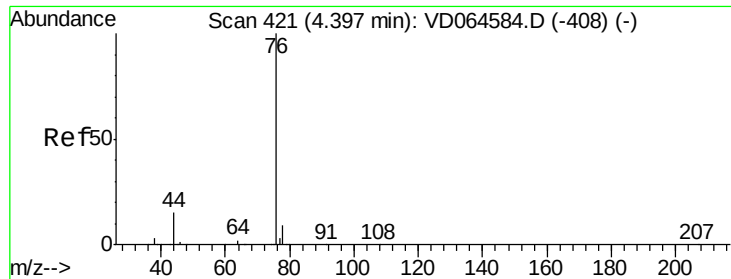
Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Tgt Ion:	43	Resp:	192179
Ion	Ratio	Lower	Upper
43	100		
58	28.5	25.8	38.6





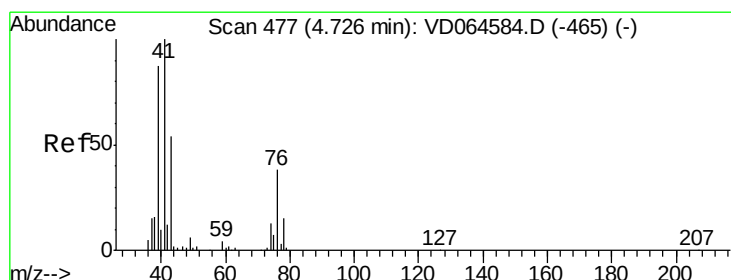
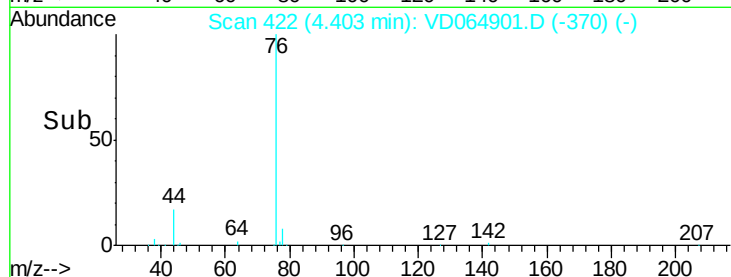
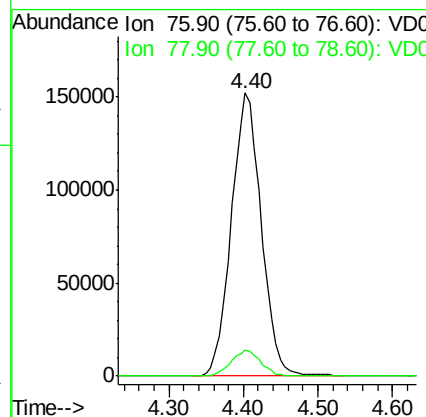
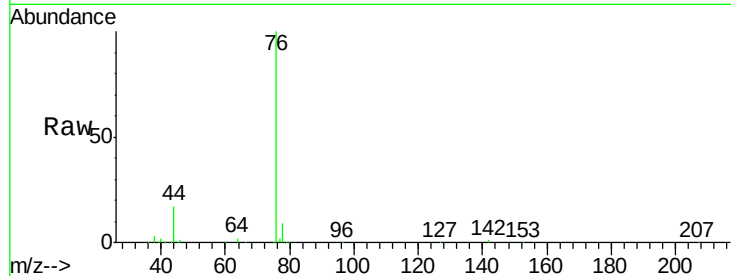
#17
Carbon Disulfide
Concen: 42.012 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

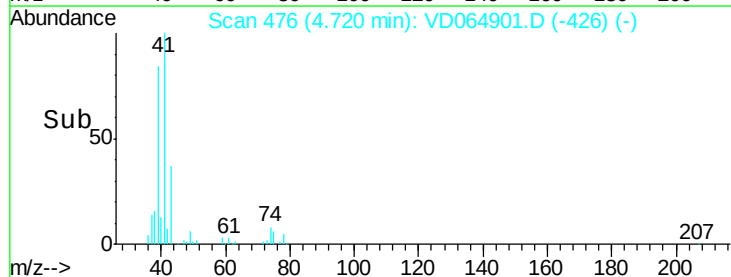
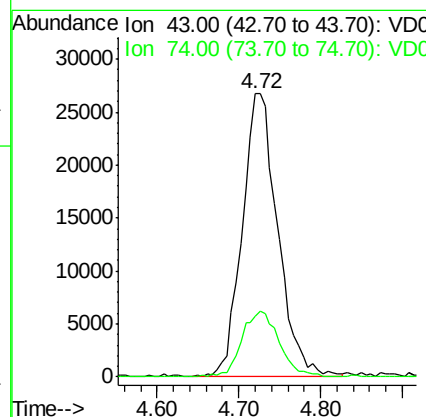
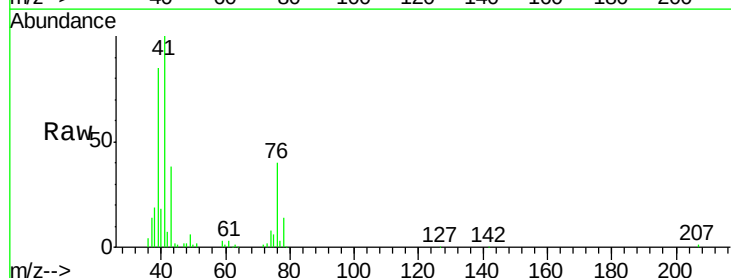
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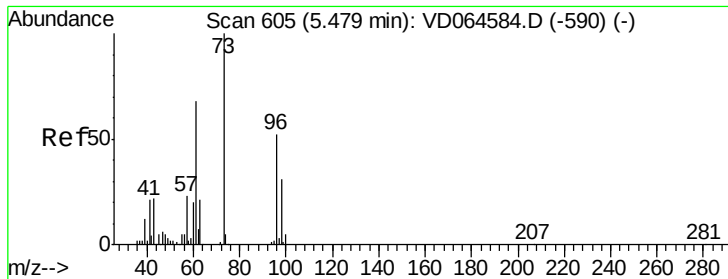
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#18
Methyl Acetate
Concen: 46.013 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8





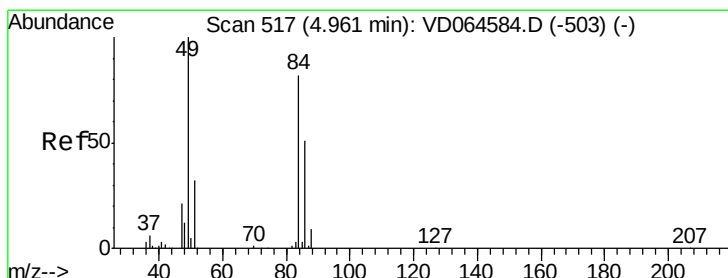
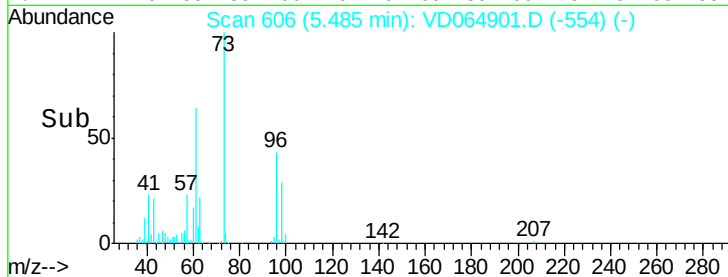
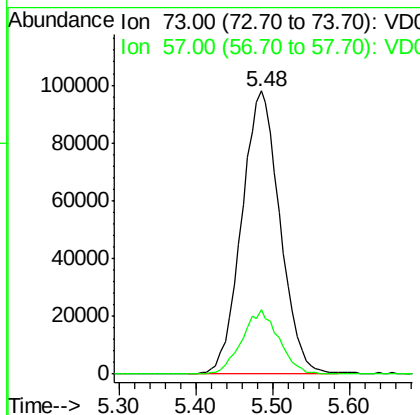
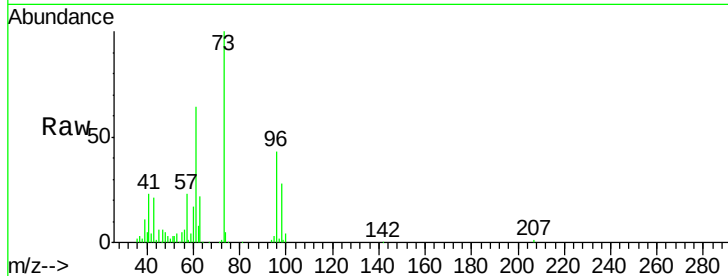
#19
Methyl tert-butyl Ether
Concen: 49.037 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 339442
Ion Ratio Lower Upper
73 100
57 23.0 18.6 27.8

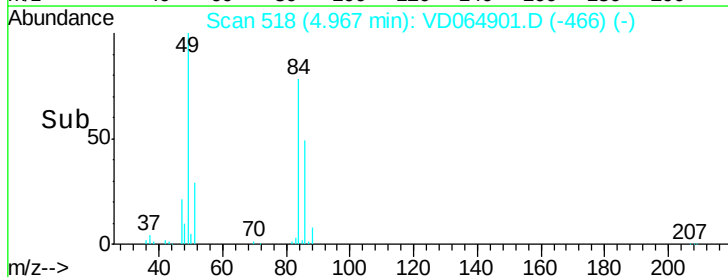
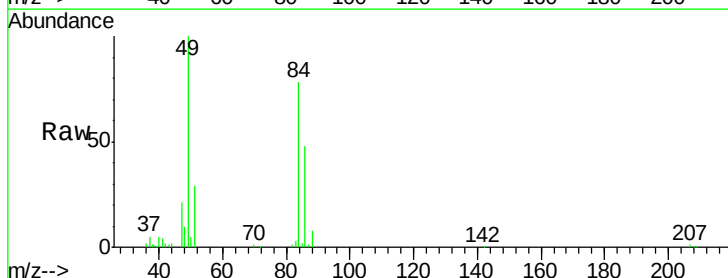
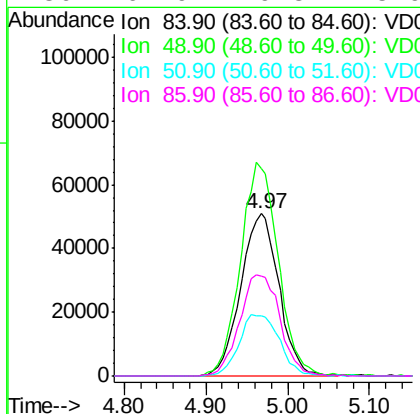
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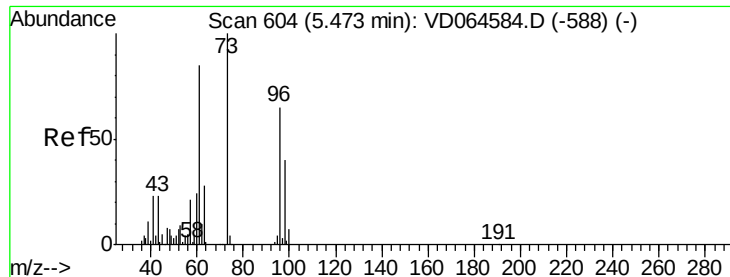
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#20
Methylene Chloride
Concen: 52.029 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion: 84 Resp: 165576
Ion Ratio Lower Upper
84 100
49 127.9 97.2 145.8
51 37.5 31.4 47.0
86 61.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.204 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 174636

Ion Ratio Lower Upper

96 100

61 126.8 104.7 157.1

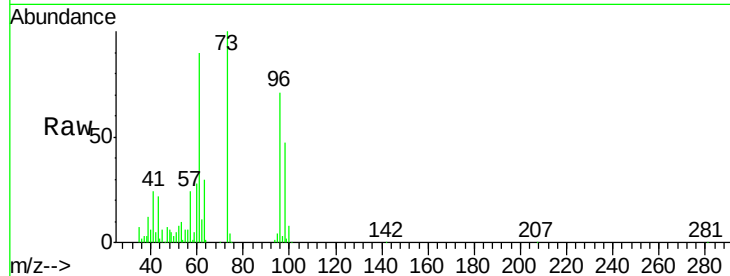
98 65.8 49.4 74.2

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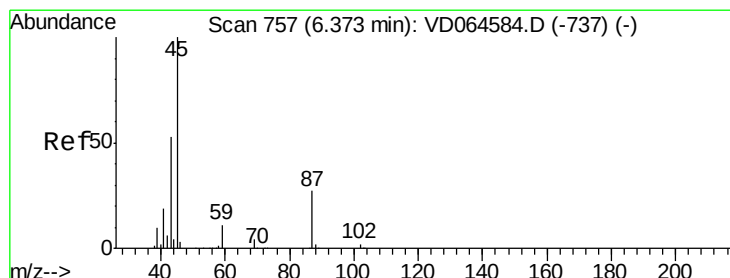
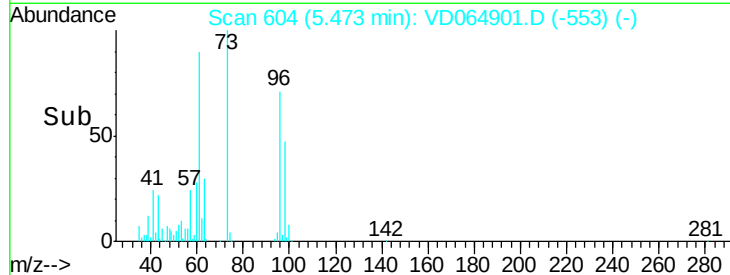
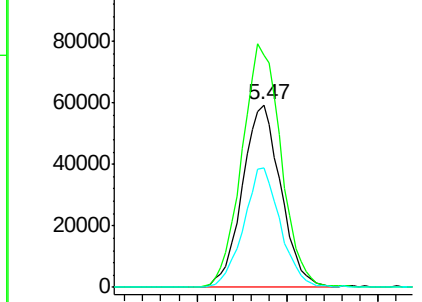
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 53.294 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Tgt Ion: 45 Resp: 516509

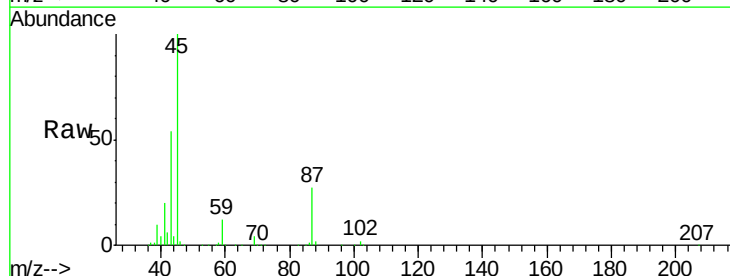
Ion Ratio Lower Upper

45 100

43 54.1 43.2 64.8

87 27.4 21.9 32.9

59 11.8 9.0 13.4

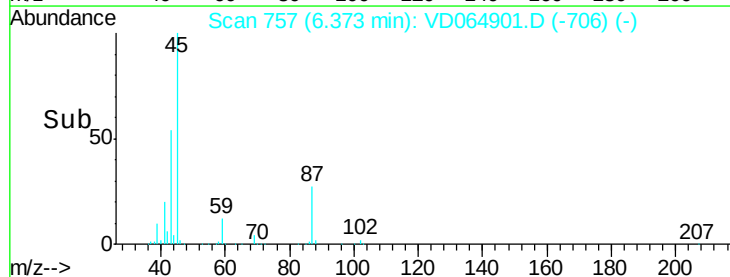
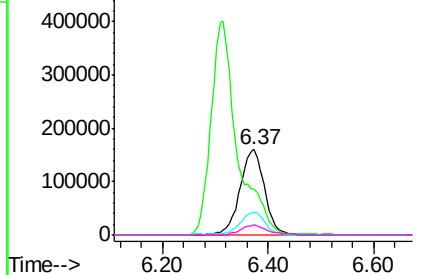


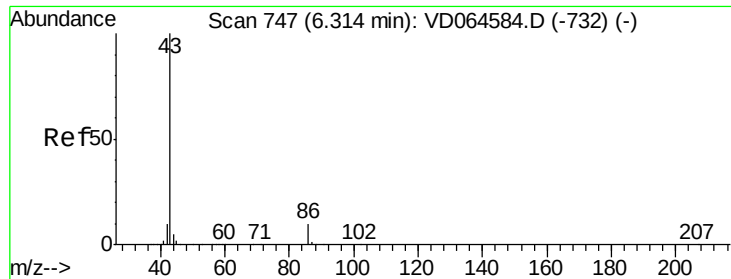
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 251.272 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1381418

Ion Ratio Lower Upper

43 100

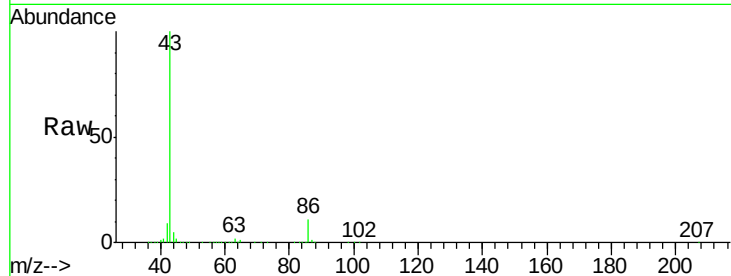
86 10.9 8.3 12.5

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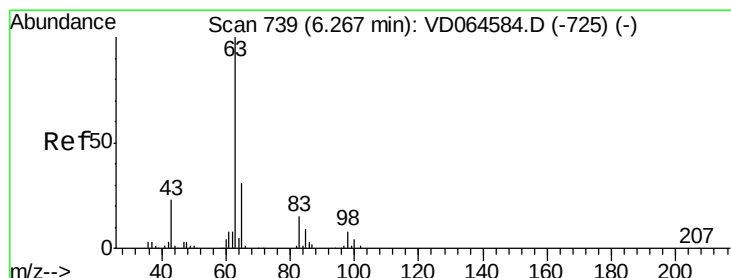
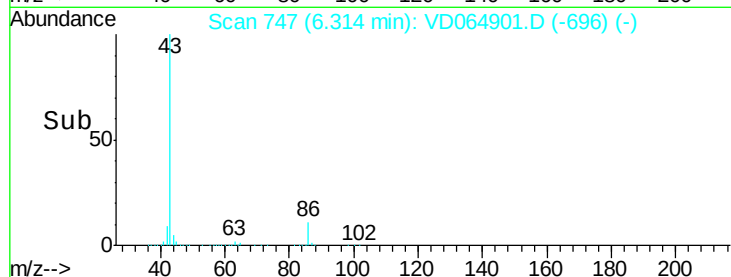
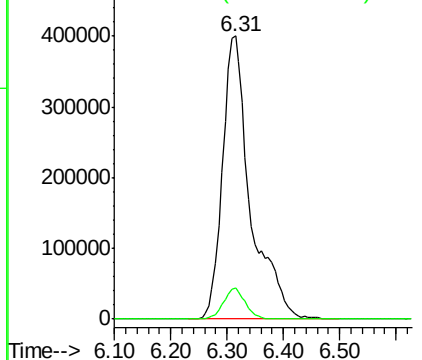
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.342 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

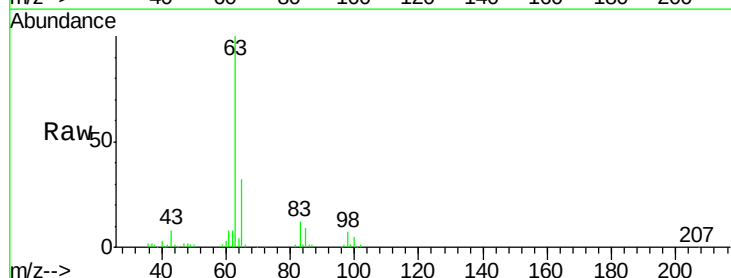
Tgt Ion: 63 Resp: 316173

Ion Ratio Lower Upper

63 100

98 6.9 4.1 12.3

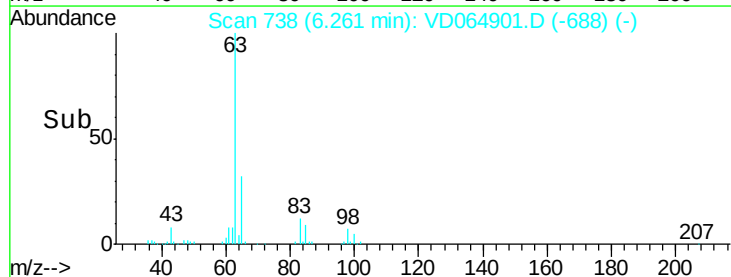
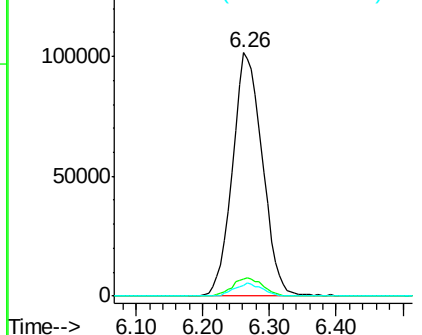
100 4.5 2.2 6.6

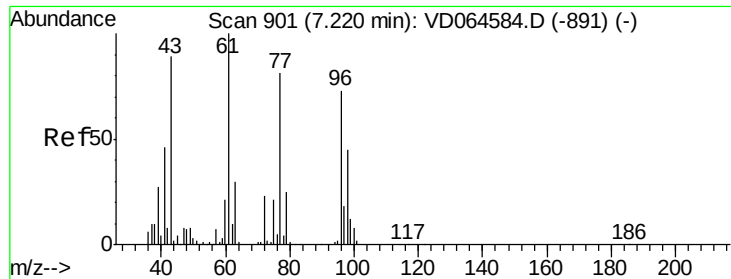


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 259.235 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 222578

Ion Ratio Lower Upper

43 100

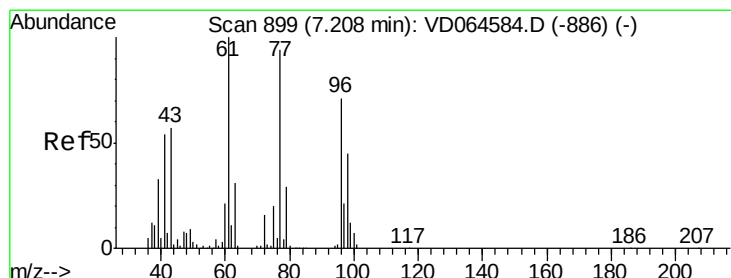
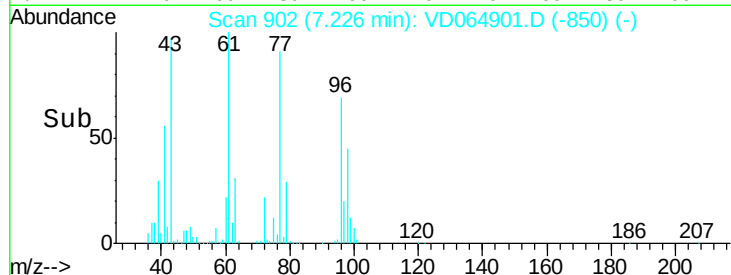
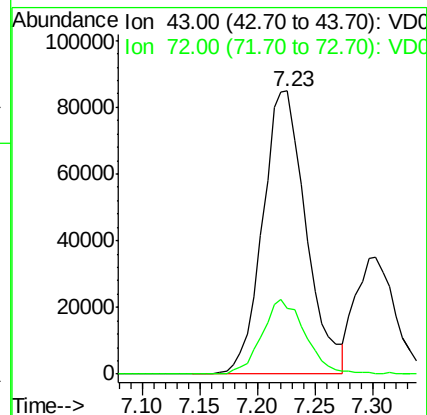
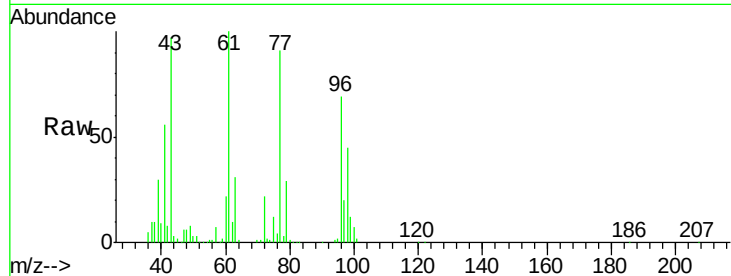
72 23.1 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 54.187 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064901.D

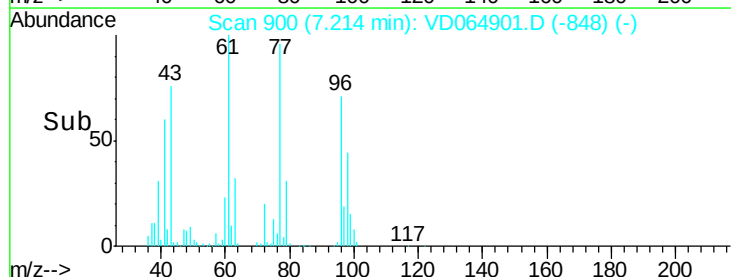
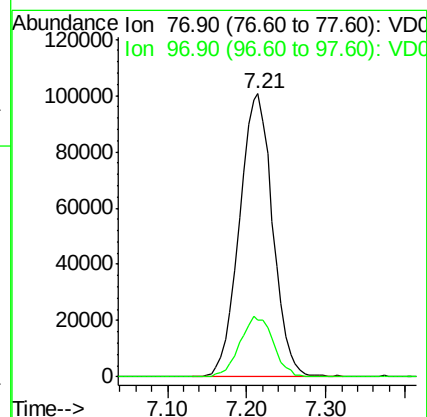
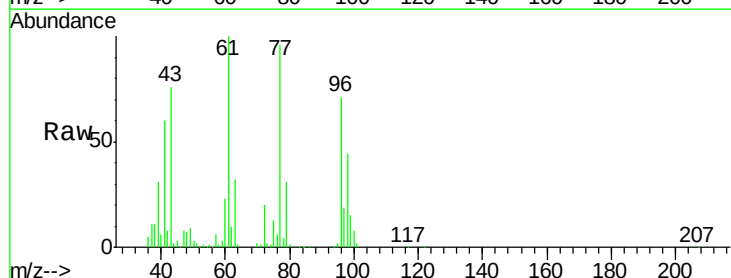
Acq: 21 Jan 2020 09:21

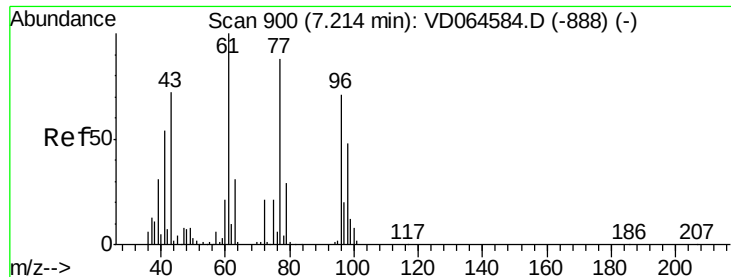
Tgt Ion: 77 Resp: 293126

Ion Ratio Lower Upper

77 100

97 21.5 11.2 33.6





#27

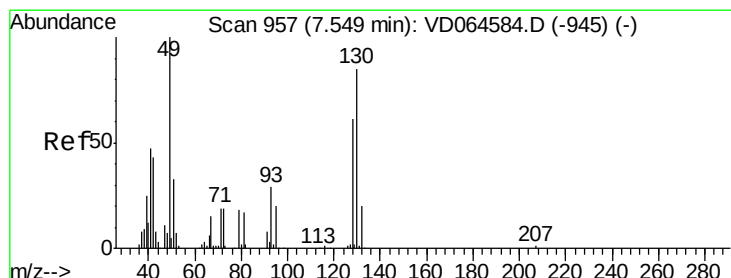
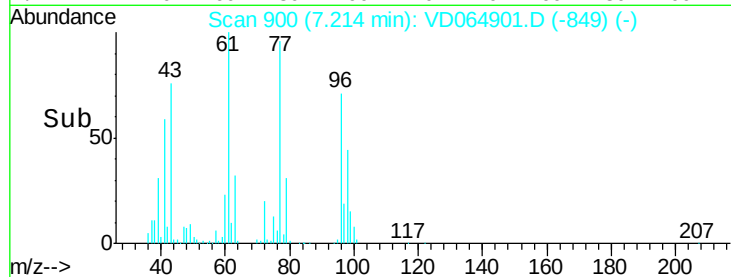
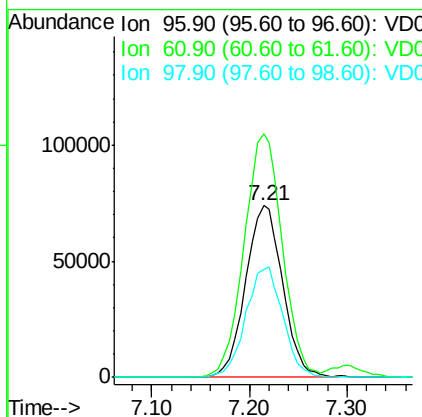
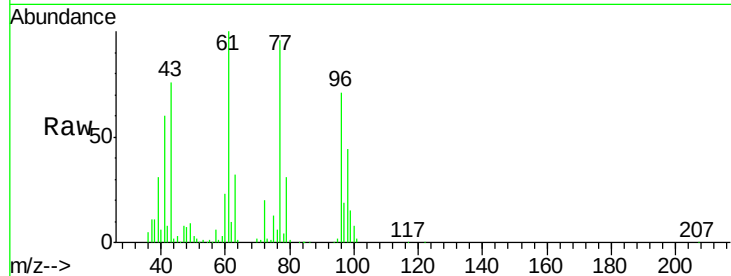
cis-1,2-Dichloroethene
Concen: 51.425 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	196979		
61	146.0		0.0	282.6
98	64.2		0.0	130.8

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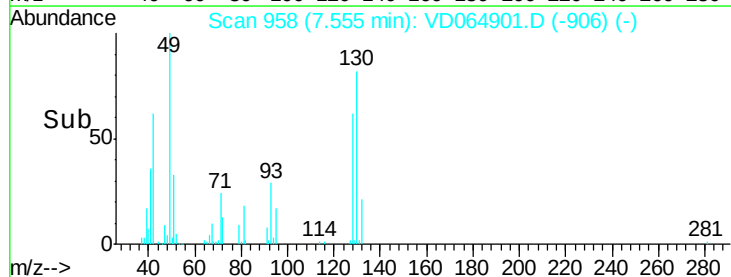
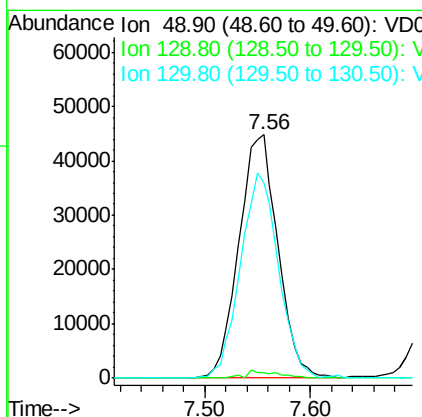
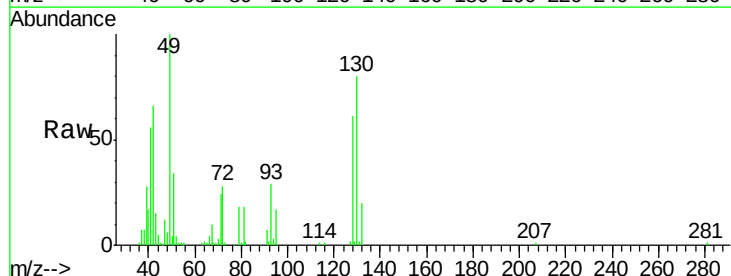
MMDadoda
1/22/2020 10:49:20 AM

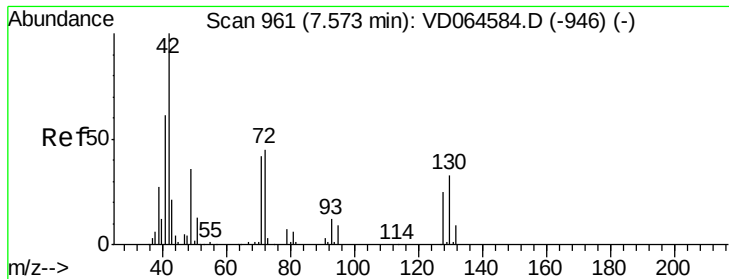


#28

Bromochloromethane
Concen: 50.791 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	114874		
129	2.3		0.0	4.8
130	82.4		65.0	97.6





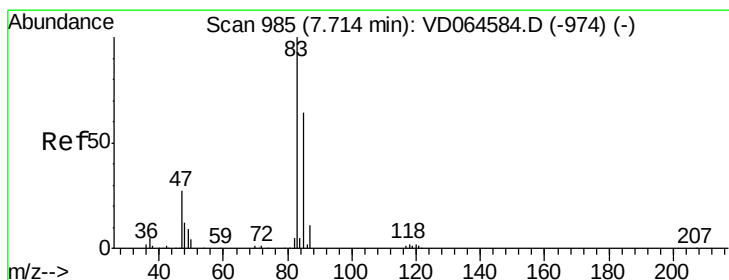
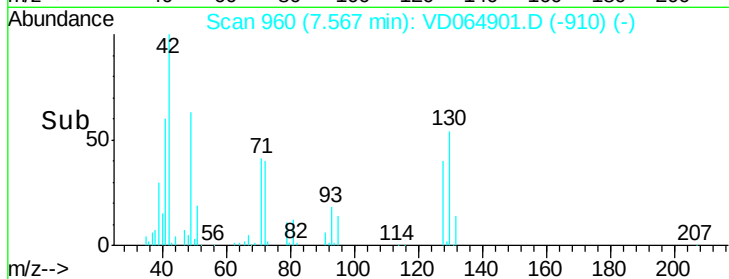
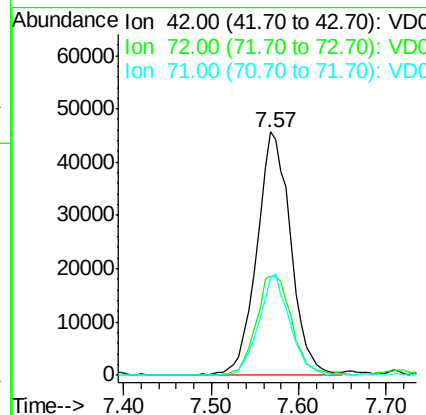
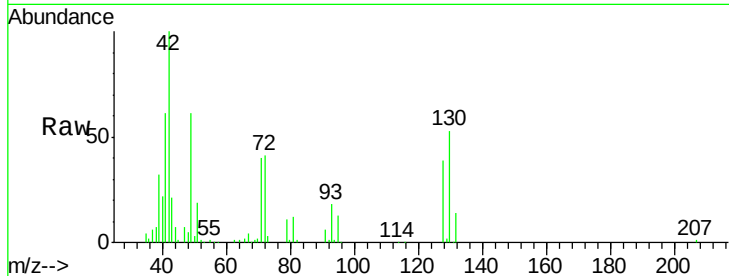
#29
Tetrahydrofuran
Concen: 227.273 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	35.0	52.4
71	38.0	32.9	49.3

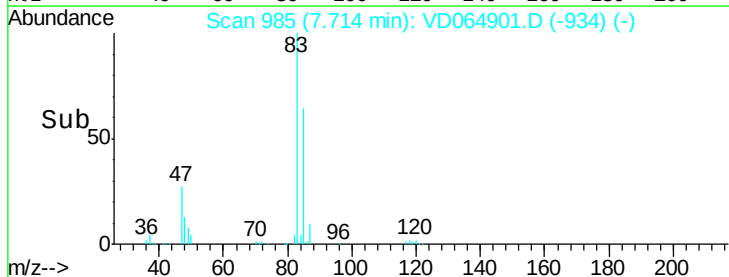
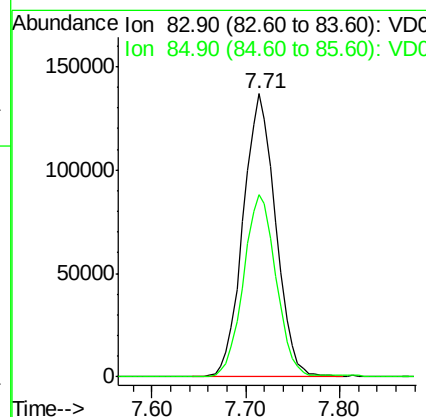
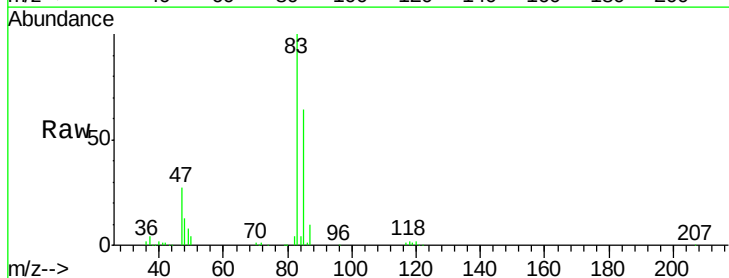
Manual Integrations
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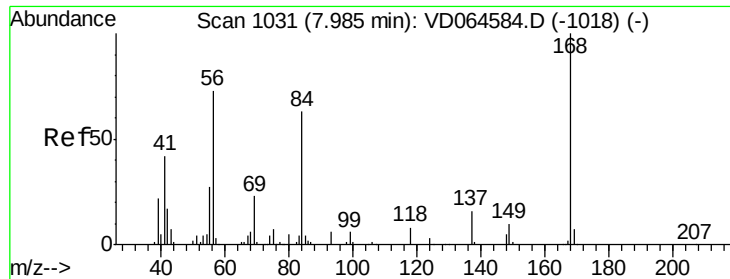
MMDadoda
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#30
Chloroform
Concen: 53.721 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7





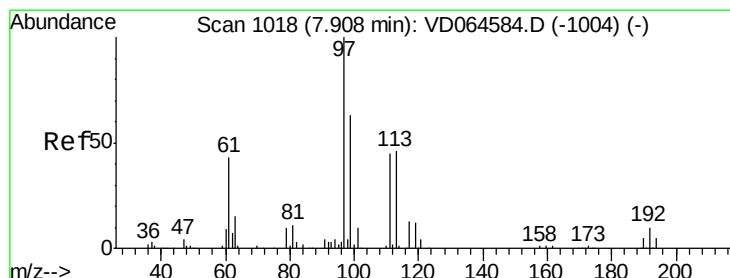
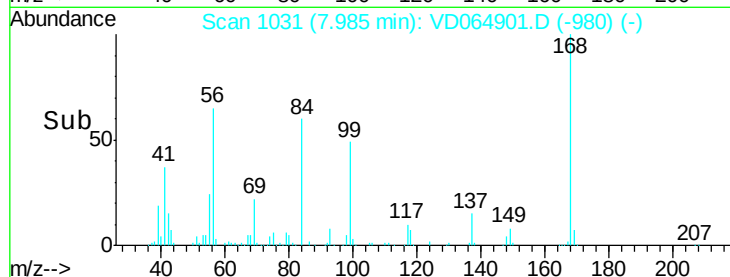
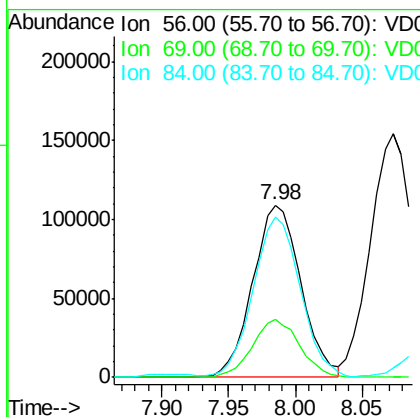
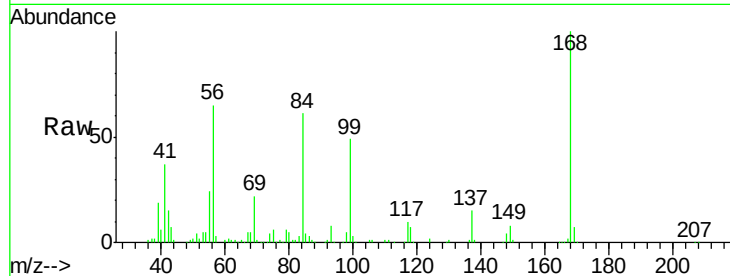
#31
Cyclohexane
Concen: 46.826 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.7	37.1
84	91.4	69.4	104.2

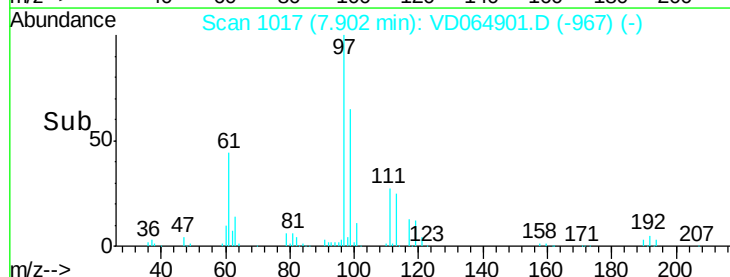
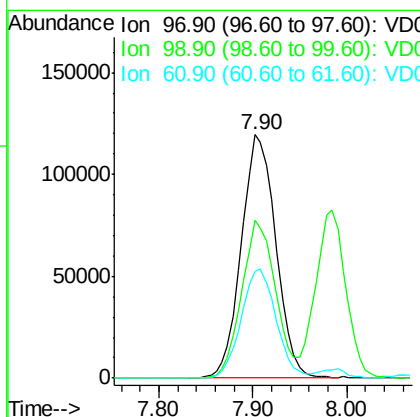
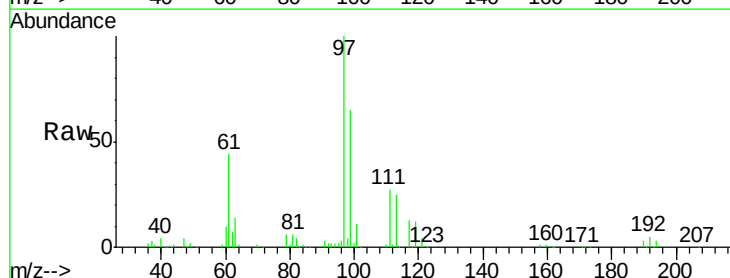
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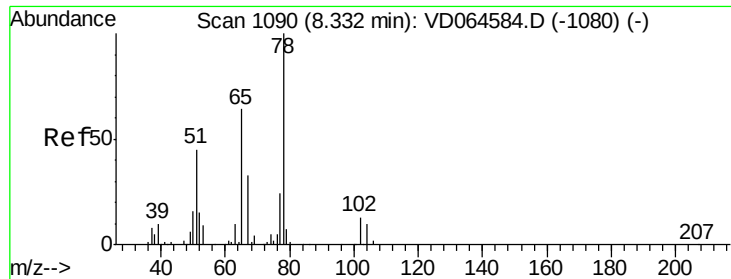
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#32
1,1,1-Trichloroethane
Concen: 53.072 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	45.0	35.4	53.0





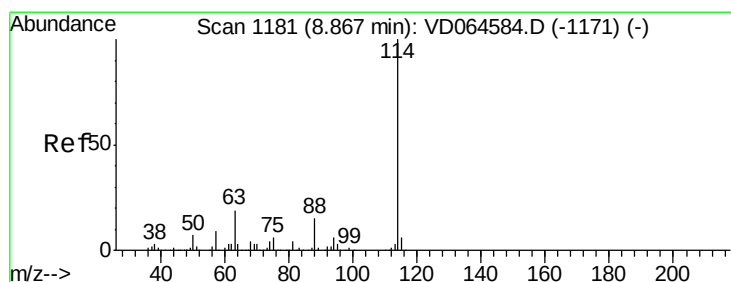
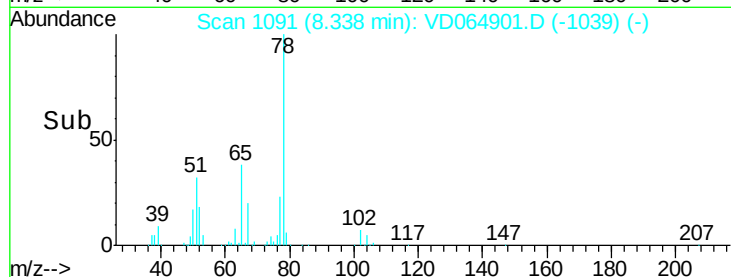
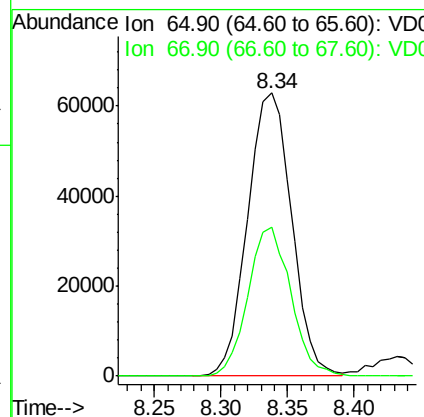
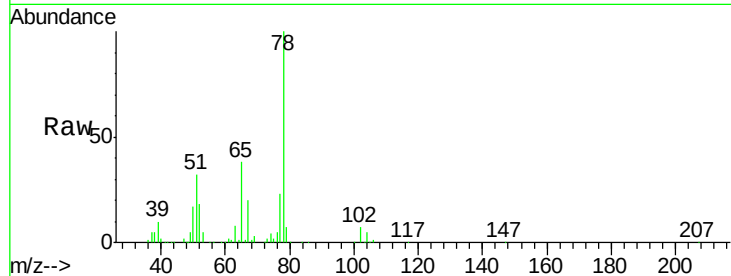
#33
 1,2-Dichloroethane-d4
 Concen: 46.034 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143791		
67	51.2	0.0	106.2	

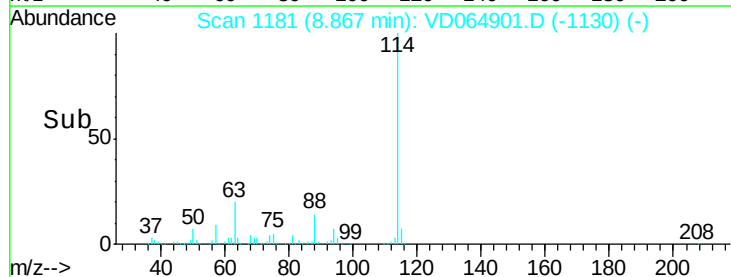
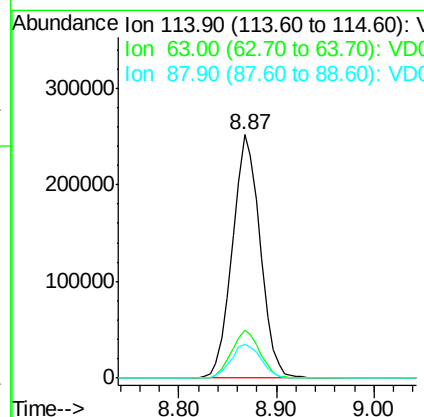
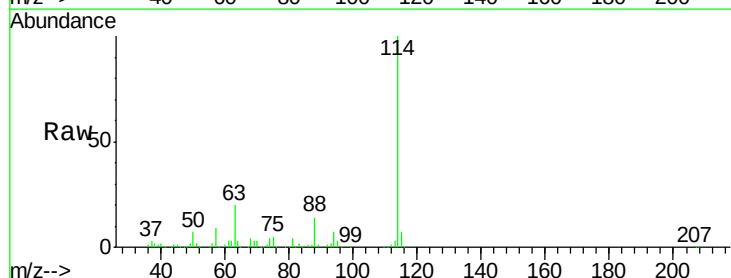
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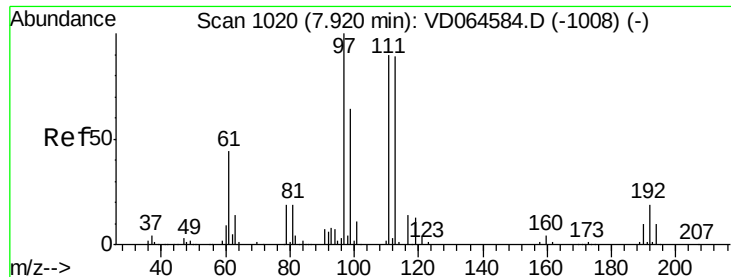
MMDadoda
 1/22/2020 10:49:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	497278		
63	19.6	0.0	38.0	
88	14.1	0.0	29.2	





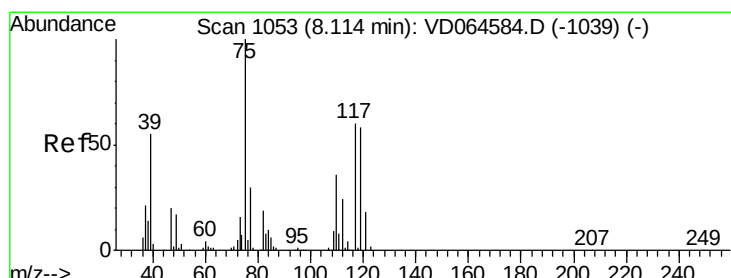
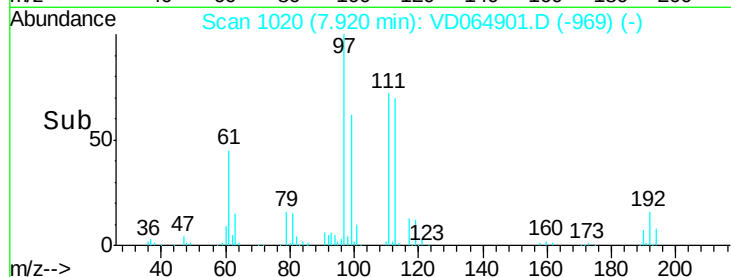
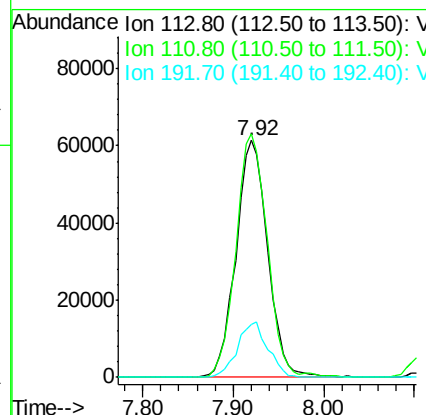
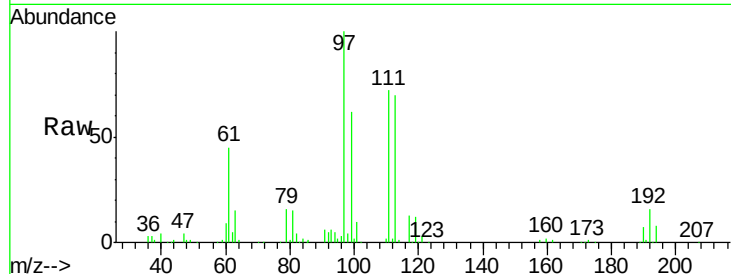
#35
 Dibromofluoromethane
 Concen: 48.904 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149201		
111	101.8	80.6	121.0	
192	22.3	17.9	26.9	

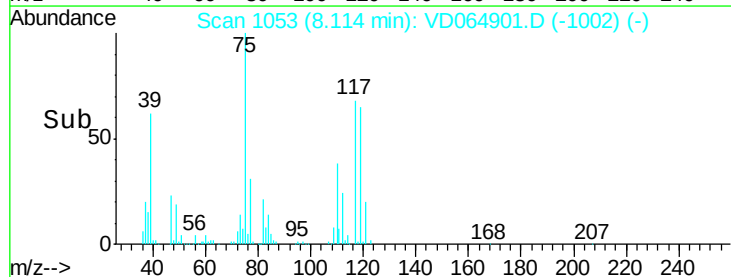
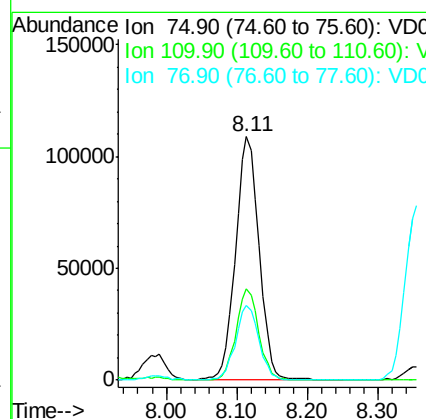
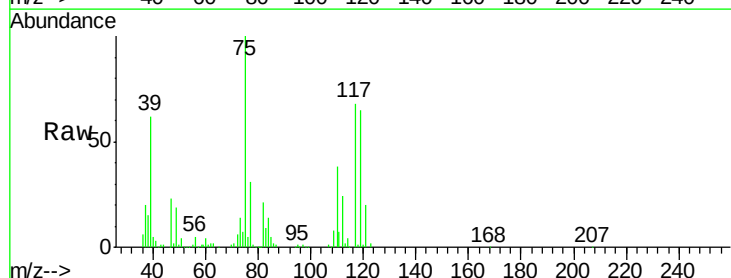
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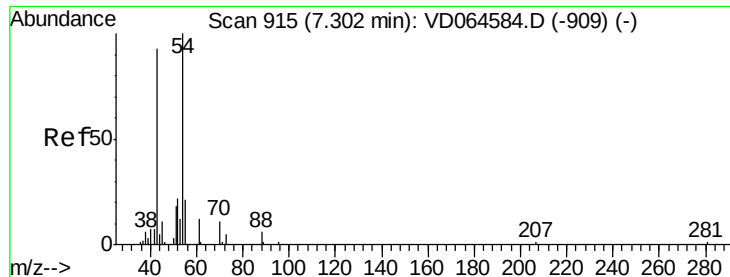
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#36
 1,1-Dichloropropene
 Concen: 52.696 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	252218		
110	36.1	18.1	54.1	
77	30.5	24.2	36.4	





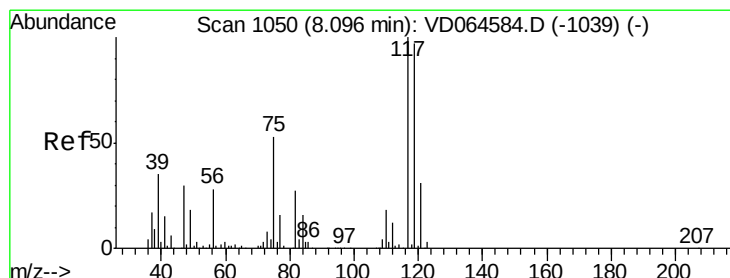
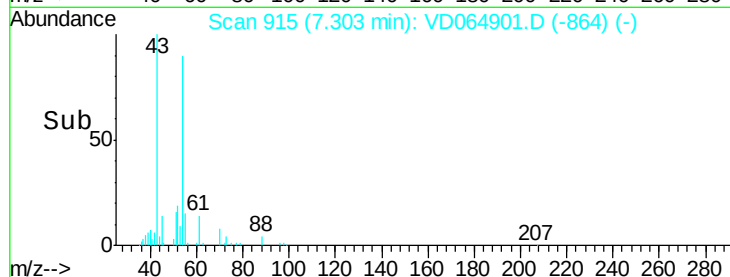
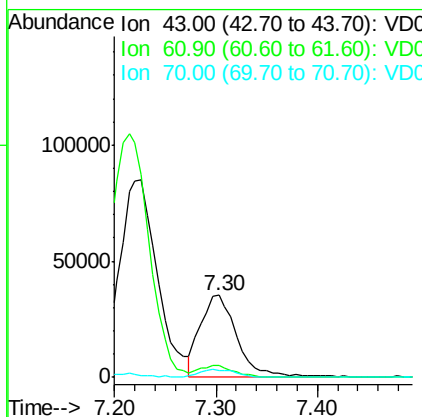
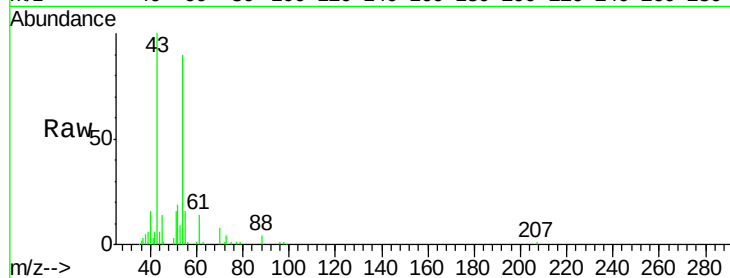
#37
Ethyl Acetate
Concen: 46.279 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.3	15.5
70	10.2	7.6	11.4

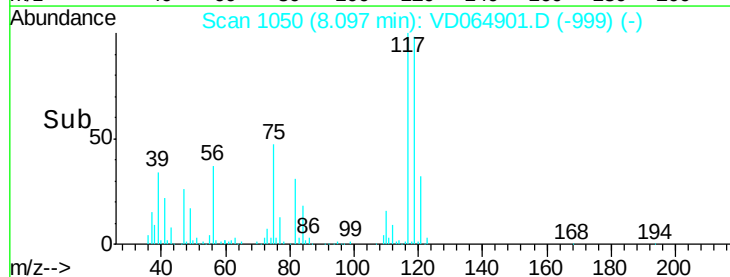
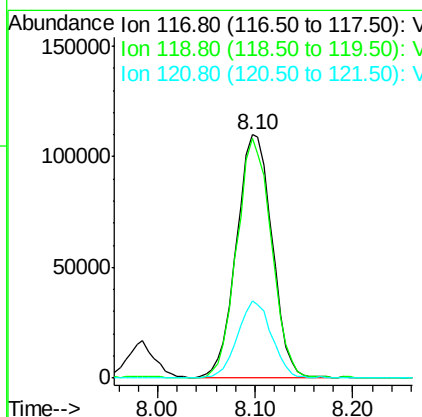
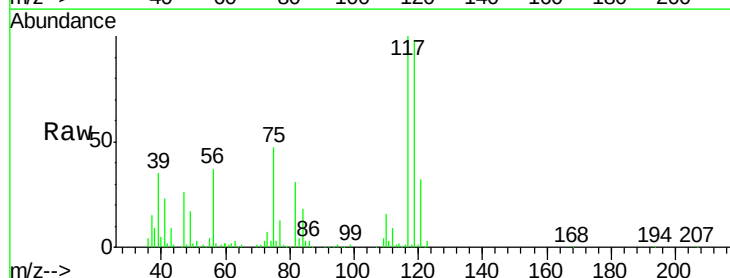
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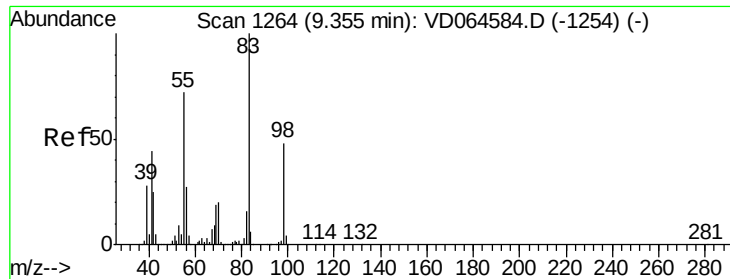
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#38
Carbon Tetrachloride
Concen: 54.667 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.3	115.9
121	31.7	25.0	37.6





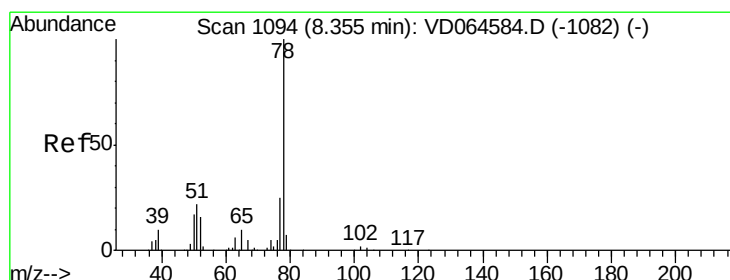
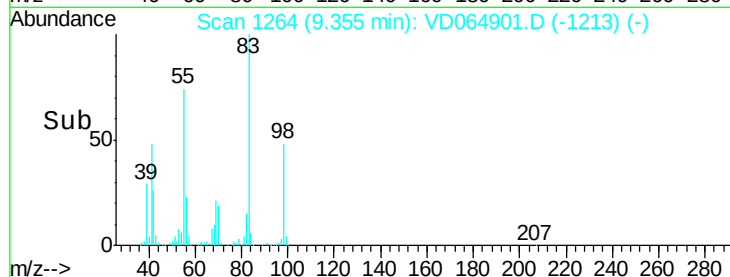
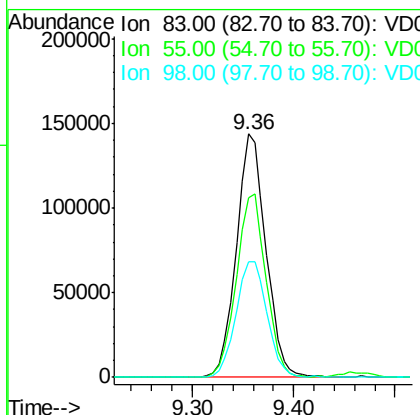
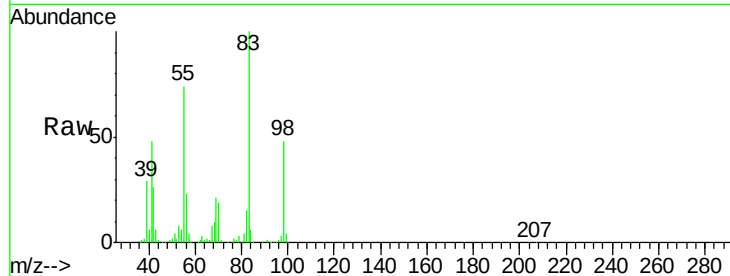
#39
Methylvlcyclohexane
Concen: 50.209 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	57.8	86.6
98	47.7	38.7	58.1

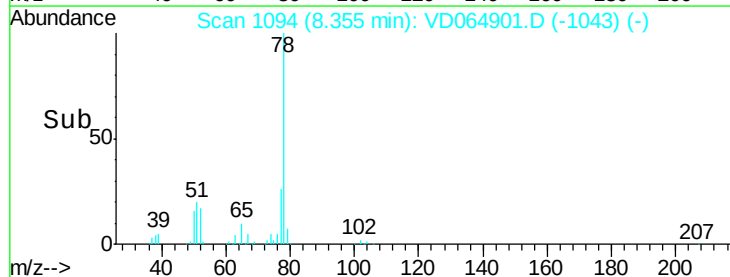
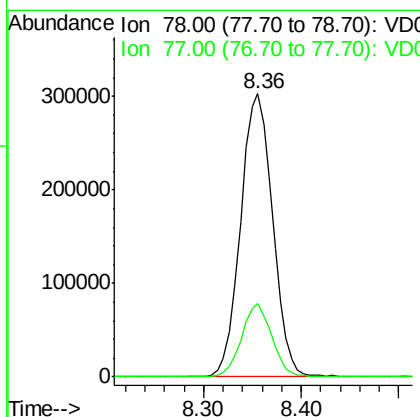
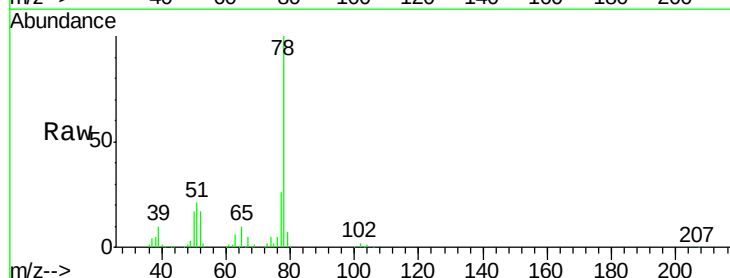
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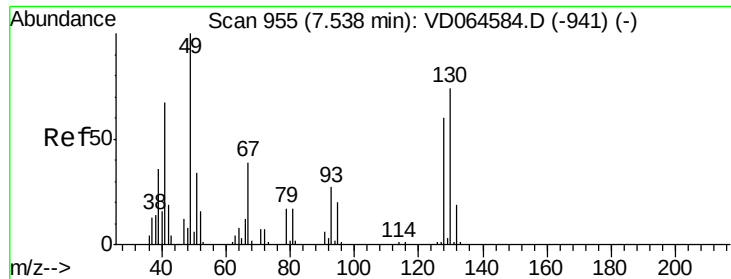
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#40
Benzene
Concen: 52.956 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	19.9	29.9





#41

Methacrylonitrile

Concen: 48.948 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 53400

Ion Ratio Lower Upper

41 100

39 0.0 46.7 70.1#

67 0.0 52.5 78.7#

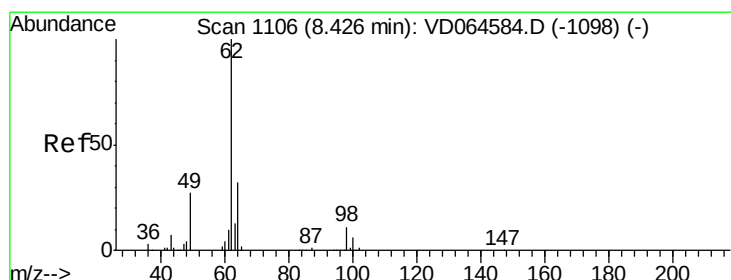
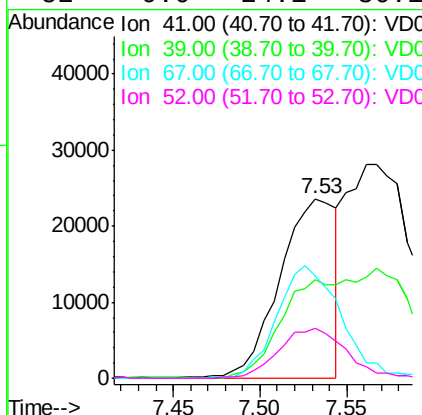
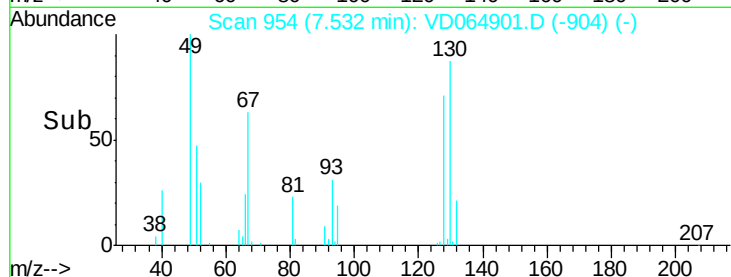
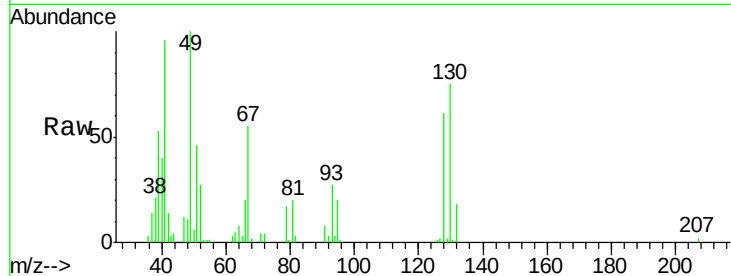
52 0.0 24.1 36.1#

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#42

1,2-Dichloroethane

Concen: 52.955 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064901.D

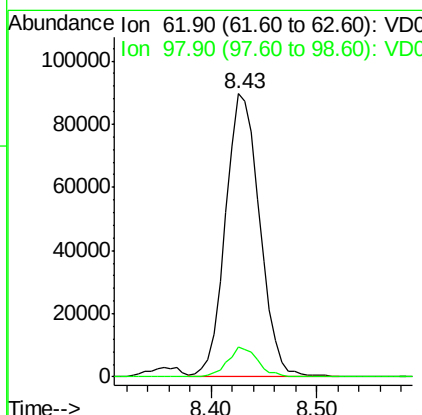
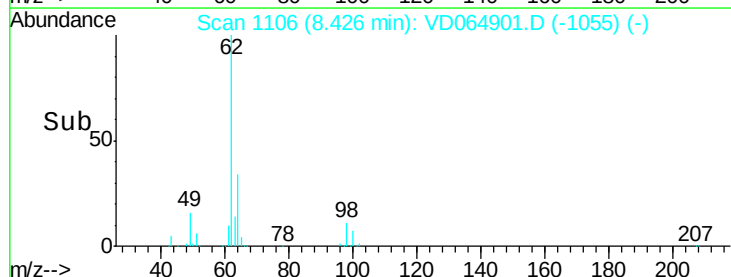
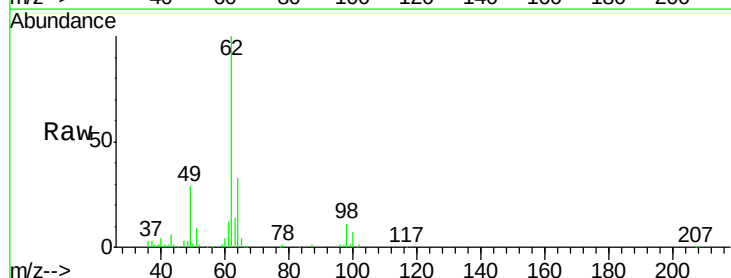
Acq: 21 Jan 2020 09:21

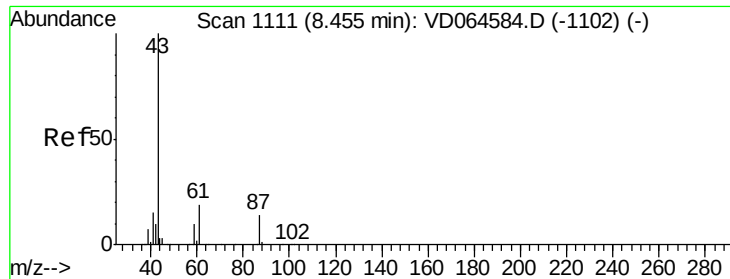
Tgt Ion: 62 Resp: 199944

Ion Ratio Lower Upper

62 100

98 9.3 0.0 20.0





#43

Isopropyl Acetate

Concen: 47.930 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

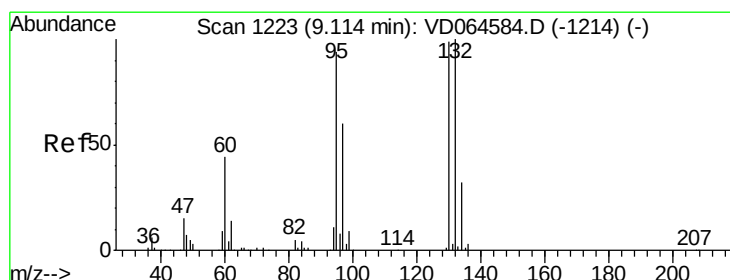
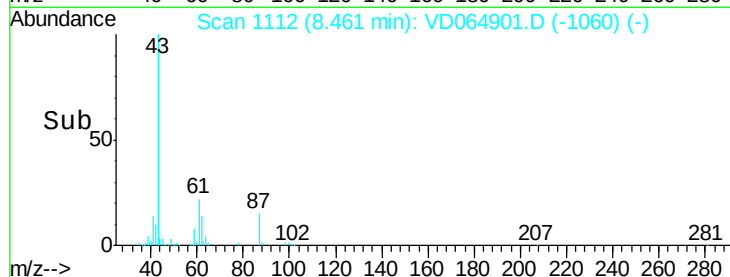
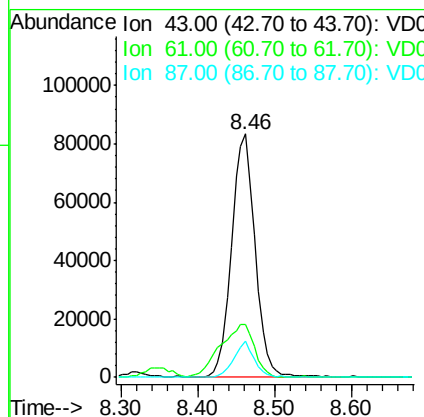
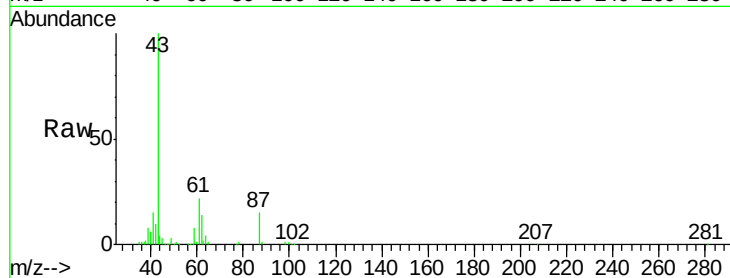
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	179382
Ion	Ratio	Lower	Upper
43	100		
61	31.1	23.7	35.5
87	12.8	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 51.067 ug/l

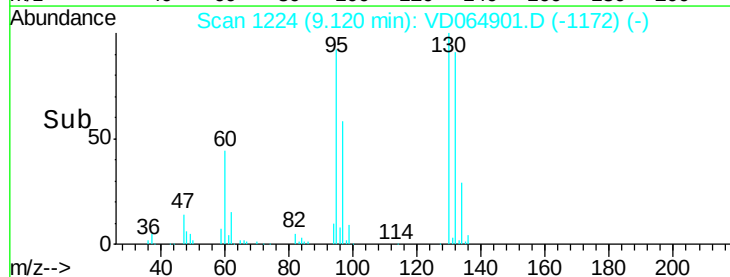
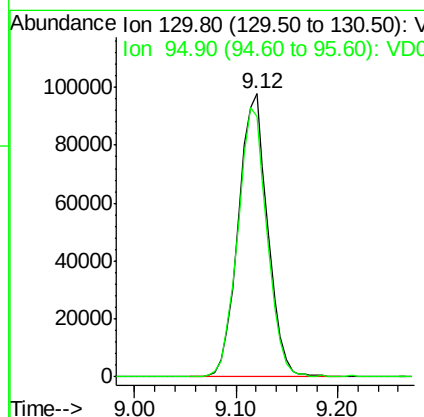
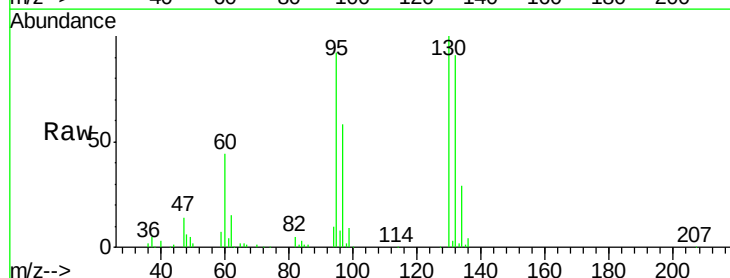
RT: 9.12 min Scan# 1224

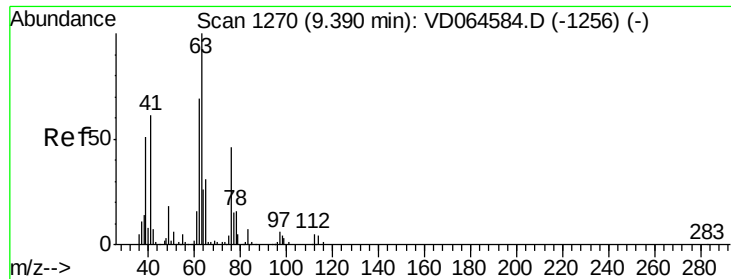
Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Tgt Ion:	130	Resp:	196016
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	190.2





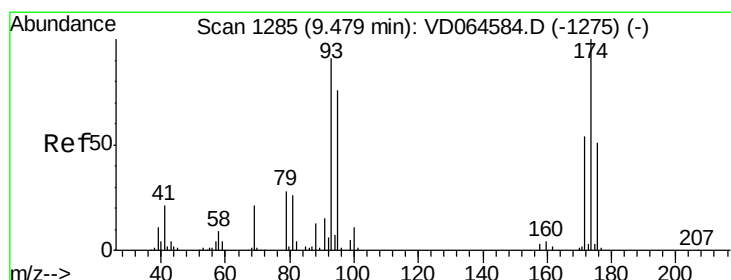
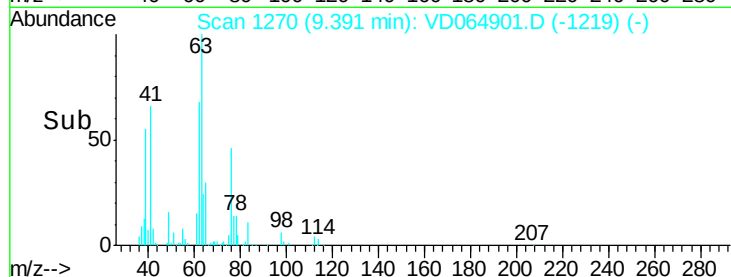
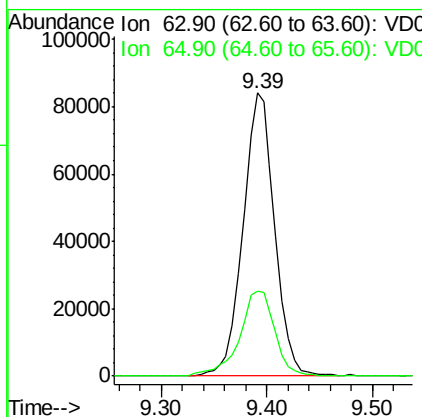
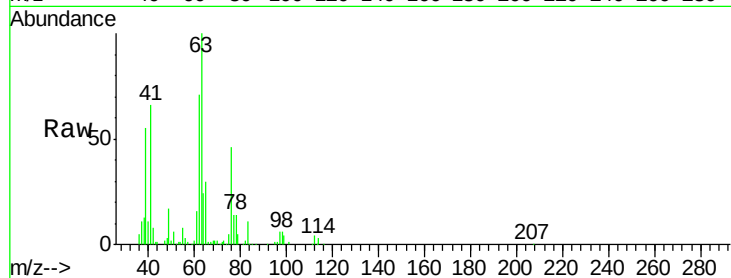
#45
 1,2-Dichloropropane
 Concen: 55.725 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 173844
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.2 37.8

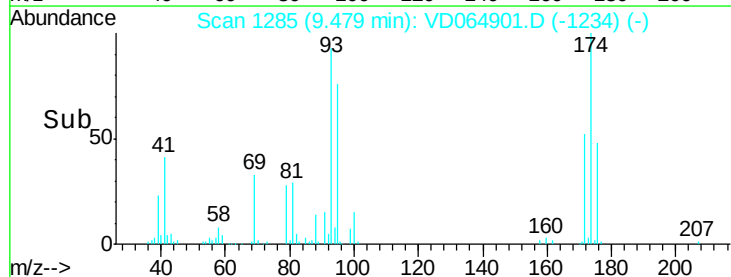
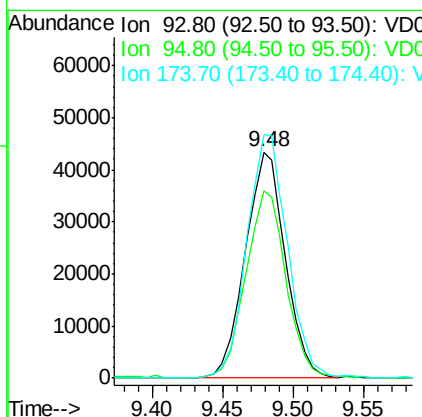
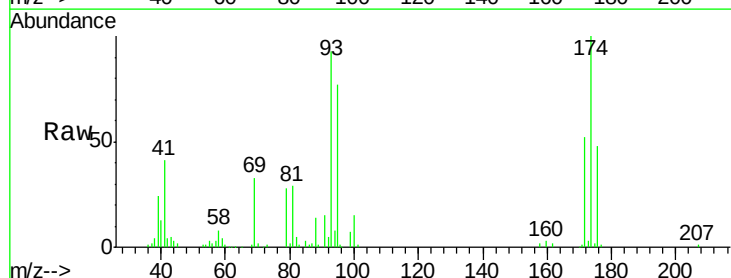
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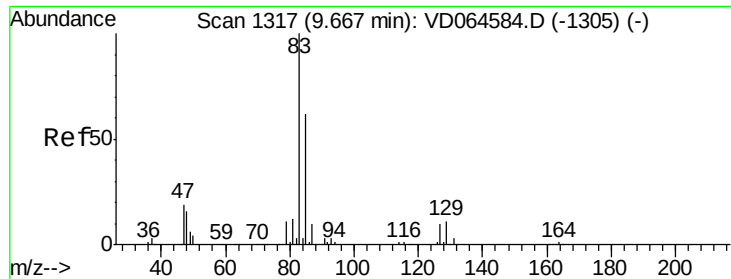
MMDadoda
 1/22/2020 10:49:20 AM



#46
 Dibromomethane
 Concen: 49.528 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion: 93 Resp: 86146
 Ion Ratio Lower Upper
 93 100
 95 83.4 64.6 97.0
 174 109.7 88.1 132.1





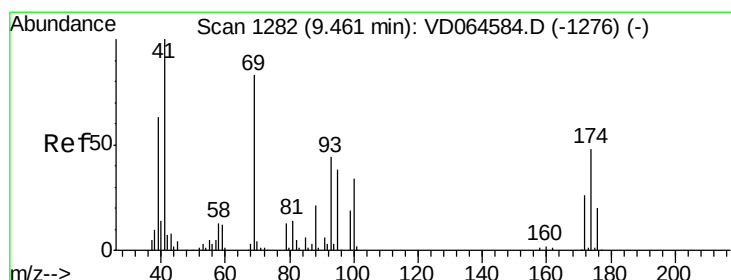
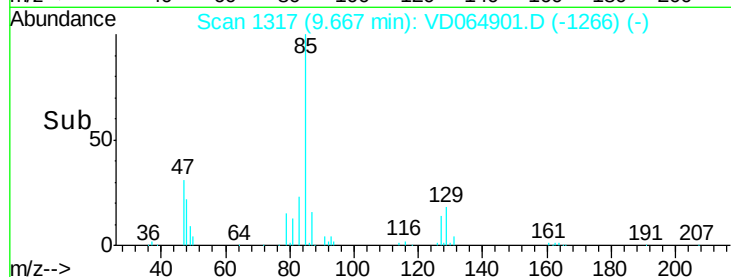
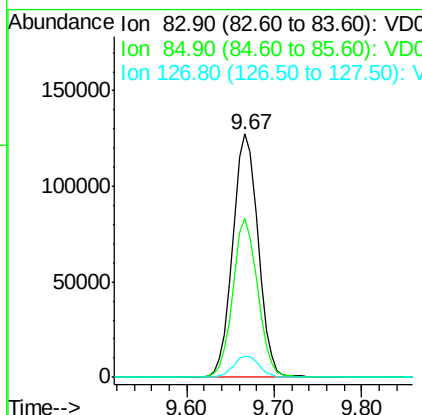
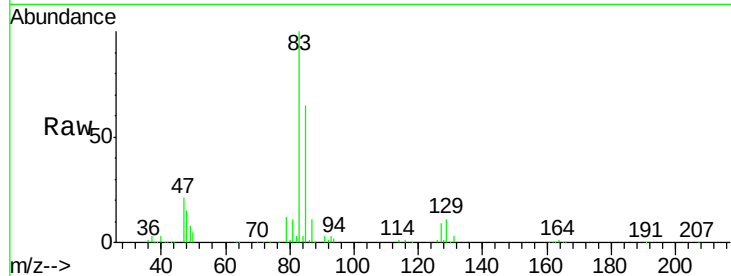
#47
Bromodichloromethane
Concen: 54.179 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	250759		
85	65.2		49.5	74.3
127	8.8		7.8	11.6

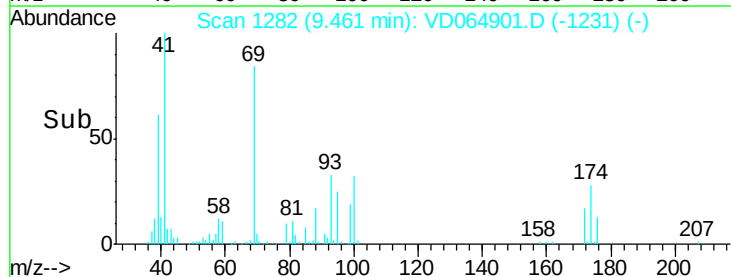
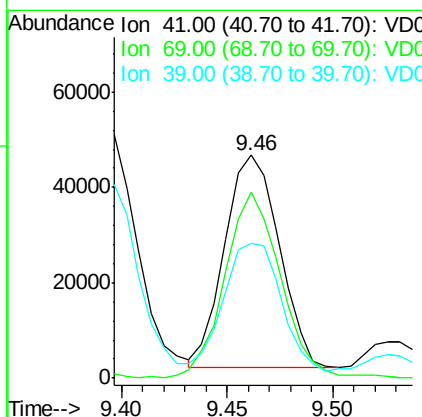
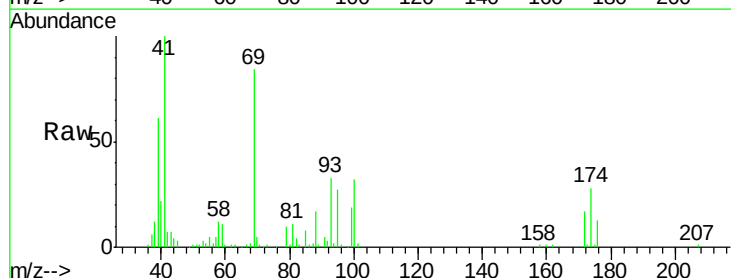
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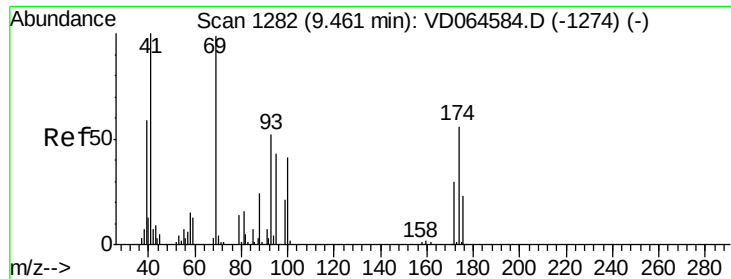
MMDadoda
1/22/2020 10:49:20 AM



#48
Methyl methacrylate
Concen: 45.331 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	79882		
69	89.0		63.0	94.6
39	70.8		47.4	71.2





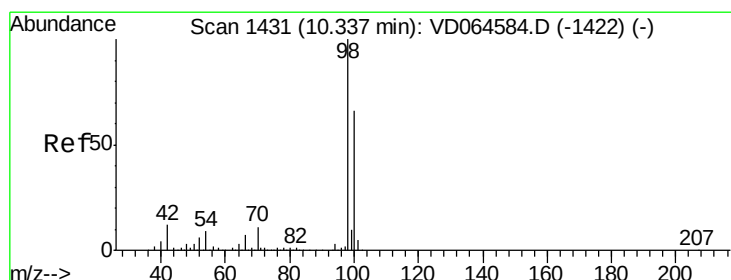
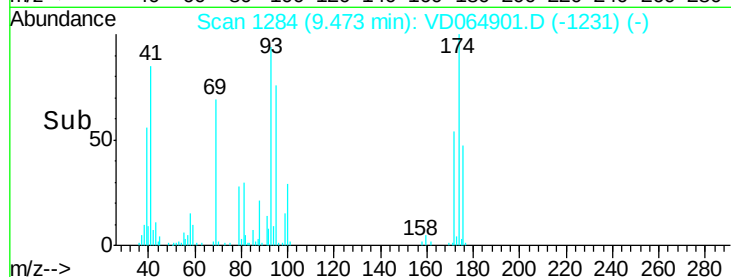
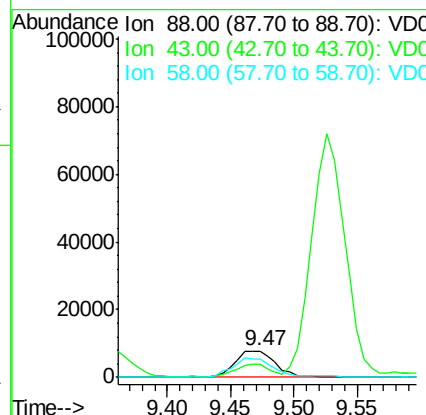
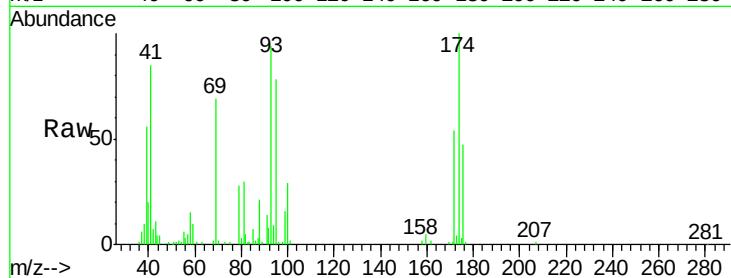
#49
1,4-Dioxane
Concen: 881.446 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.5	27.7	41.5
58	71.7	53.8	80.6

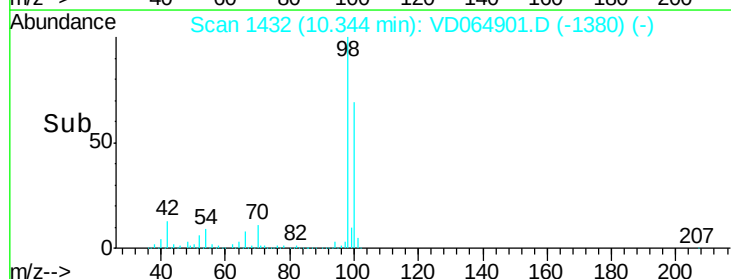
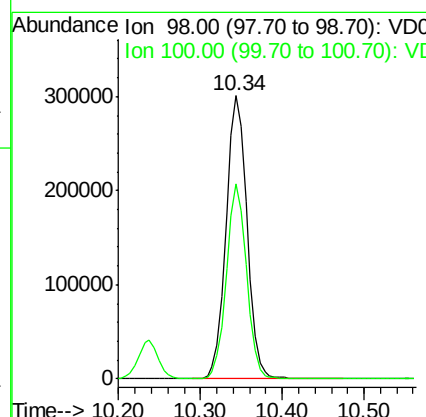
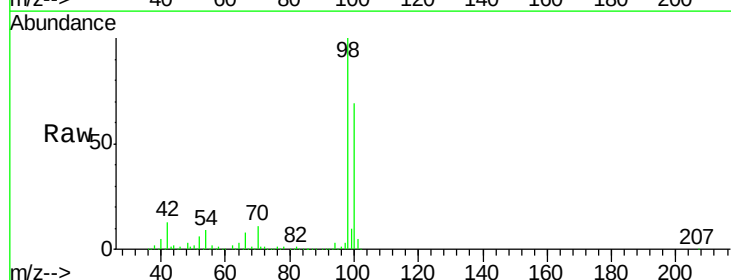
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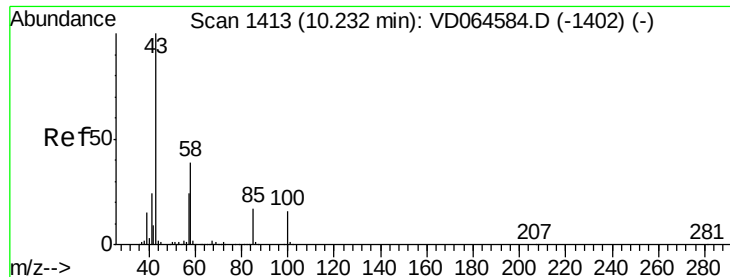
MMDadoda
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#50
Toluene-d8
Concen: 46.009 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	51.7	77.5





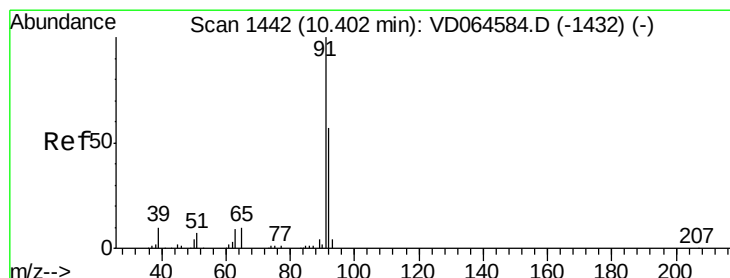
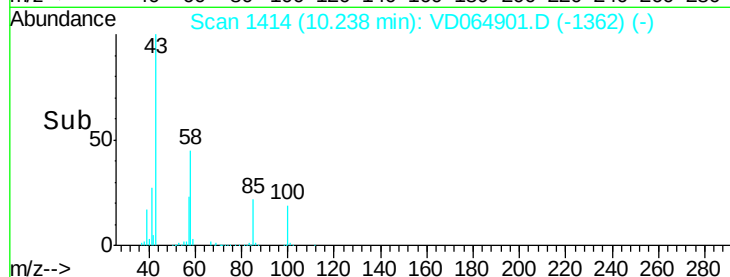
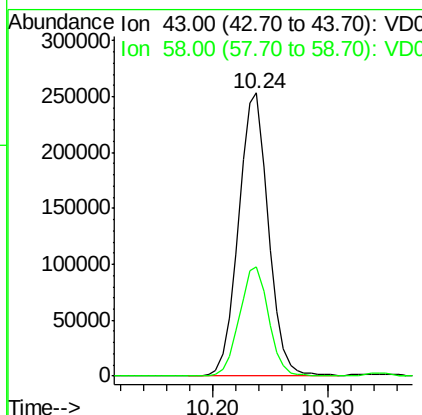
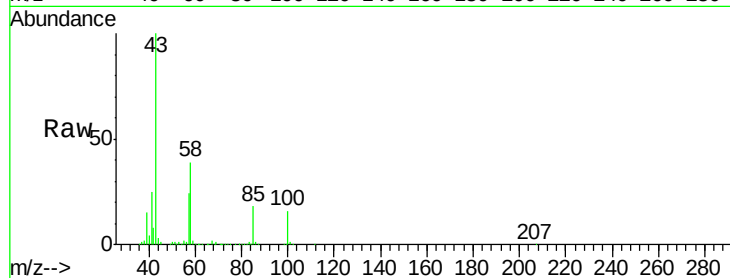
#51
4-Methyl-2-Pentanone
Concen: 245.732 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.2	45.2

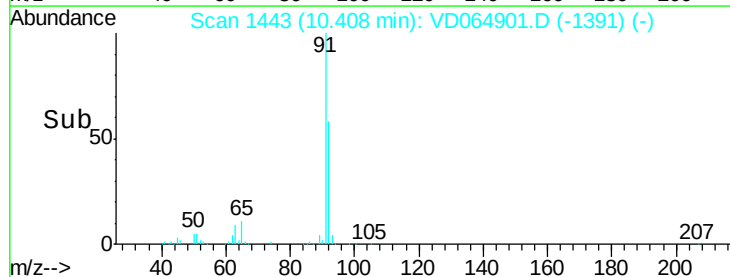
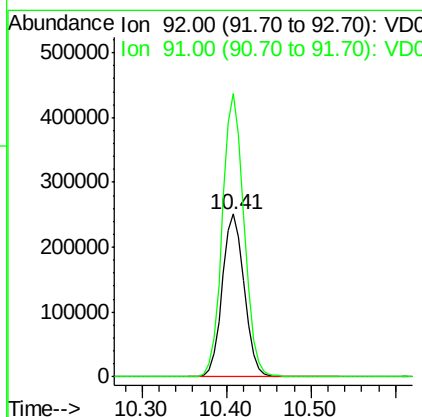
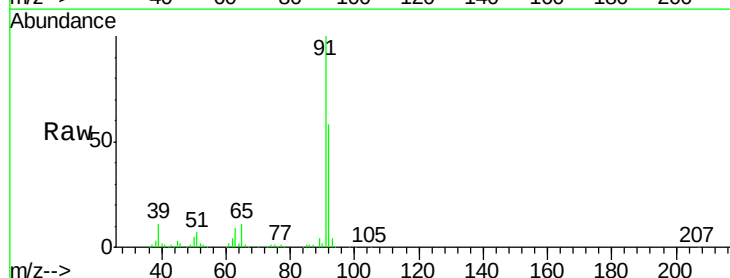
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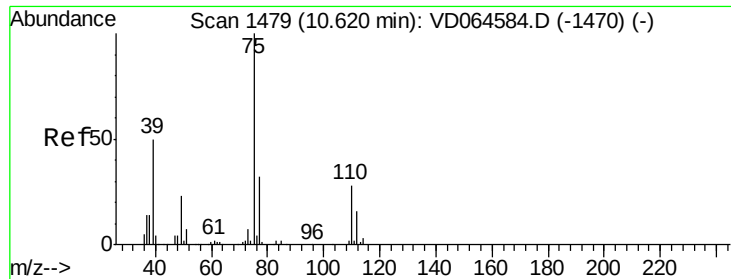
MMDadoda
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#52
Toluene
Concen: 52.830 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.5	138.7	208.1





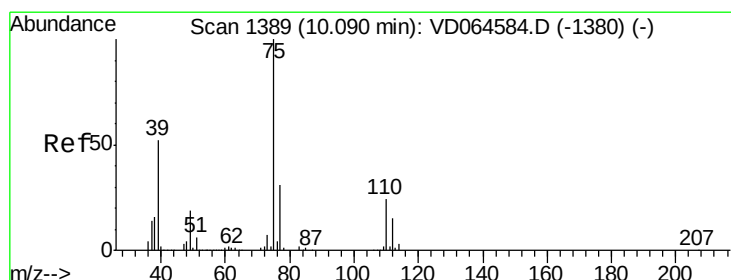
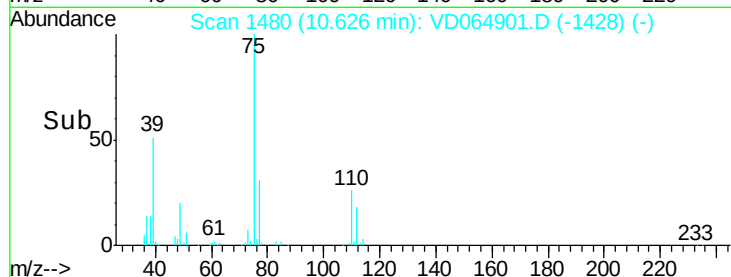
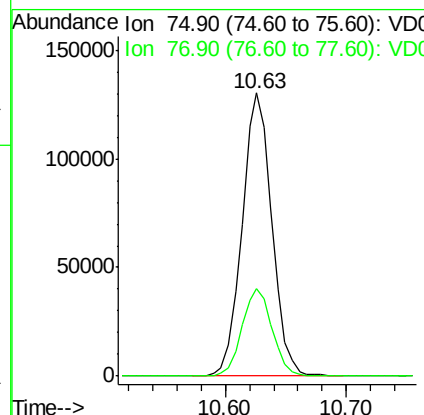
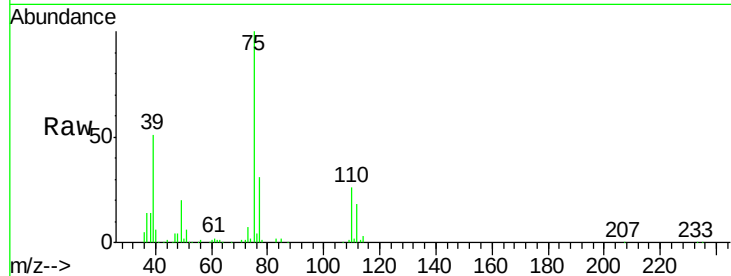
#53
t-1,3-Dichloropropene
Concen: 51.892 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 223916
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2

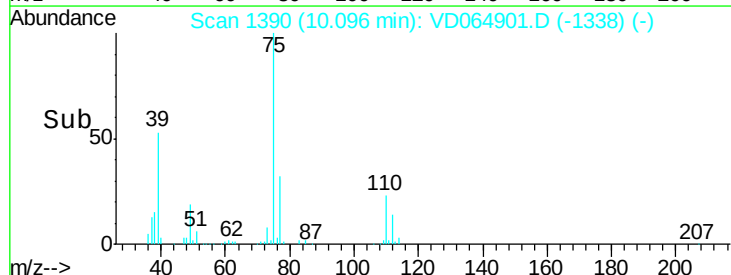
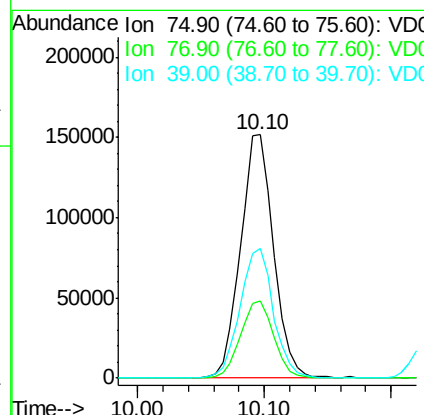
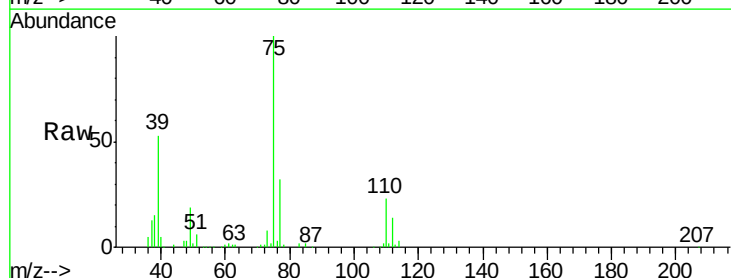
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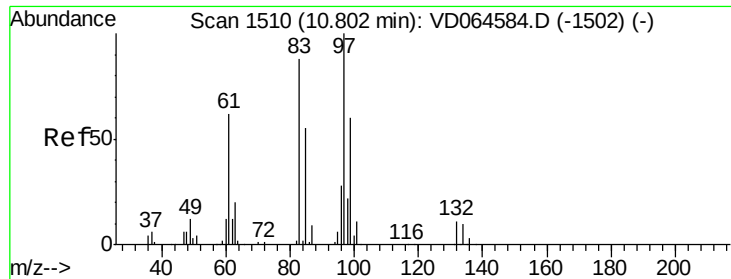
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#54
cis-1,3-Dichloropropene
Concen: 53.768 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion: 75 Resp: 273574
Ion Ratio Lower Upper
75 100
77 31.6 24.6 36.8
39 53.2 41.4 62.2





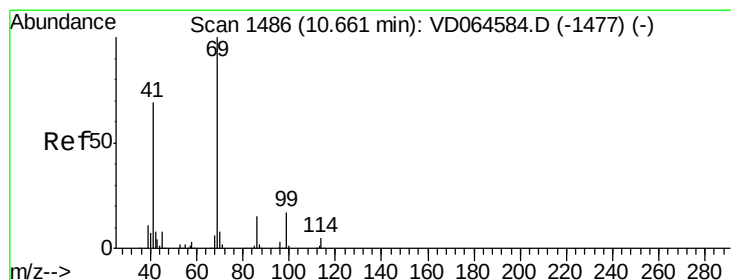
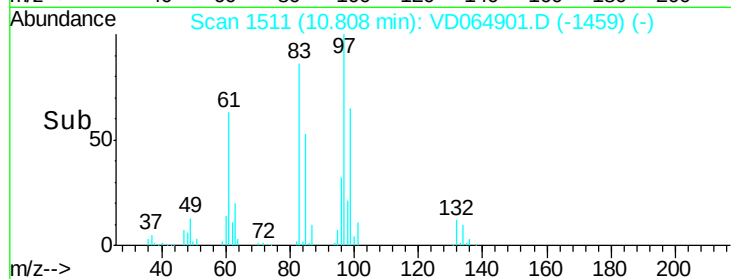
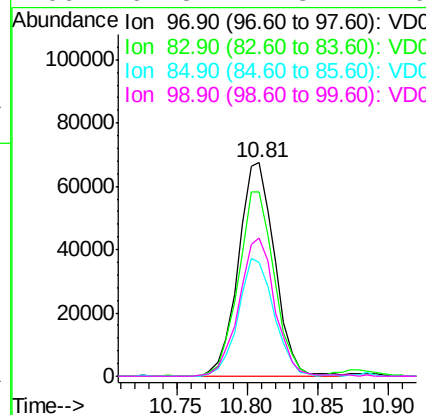
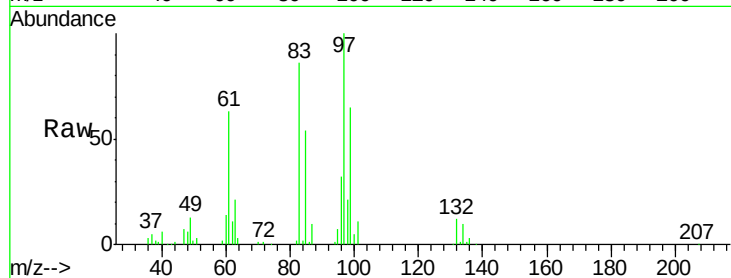
#55
 1,1,2-Trichloroethane
 Concen: 51.768 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	121346
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.2	105.4
85	53.5	44.0	66.0
99	64.8	47.8	71.6

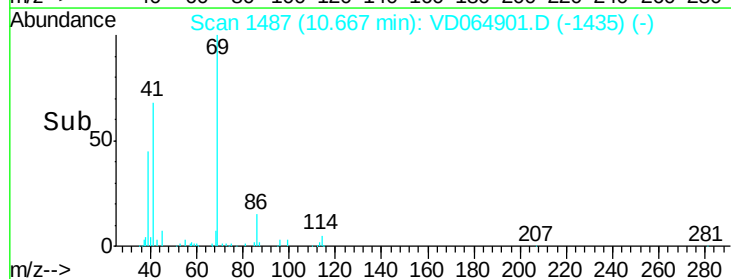
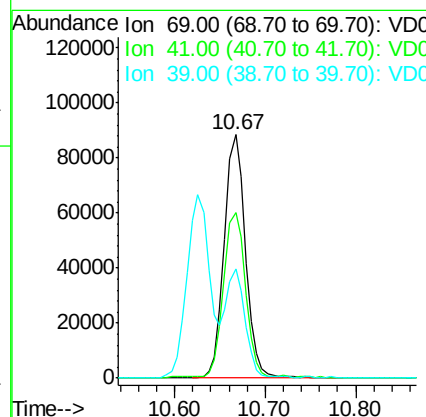
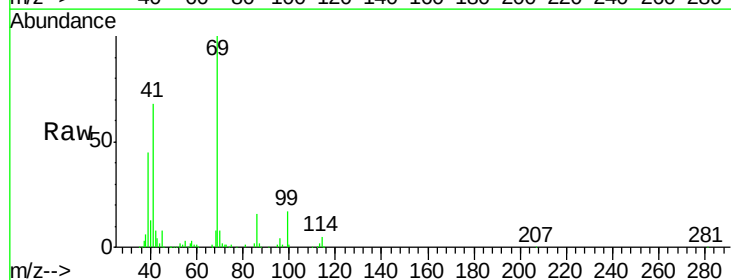
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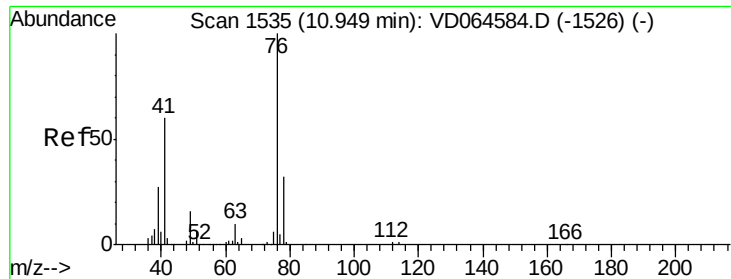
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#56
 Ethyl methacrylate
 Concen: 49.309 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion:	69	Resp:	144347
Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.3	82.9
39	40.0	33.8	50.8





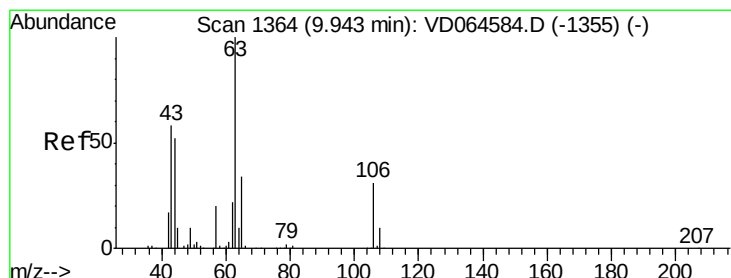
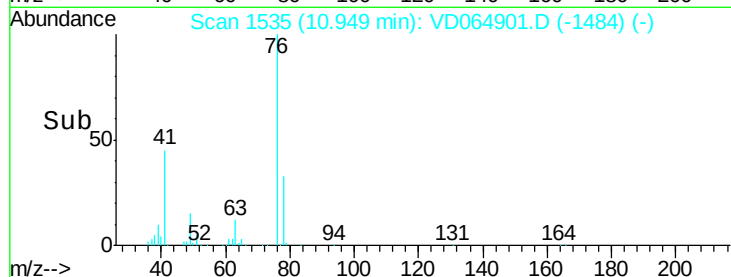
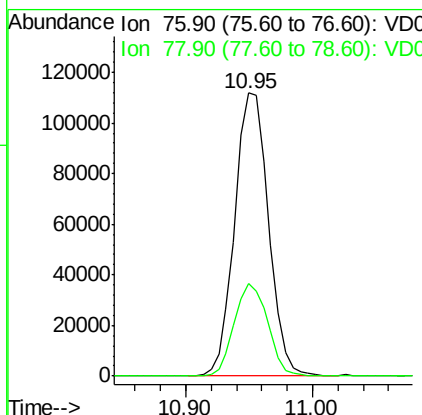
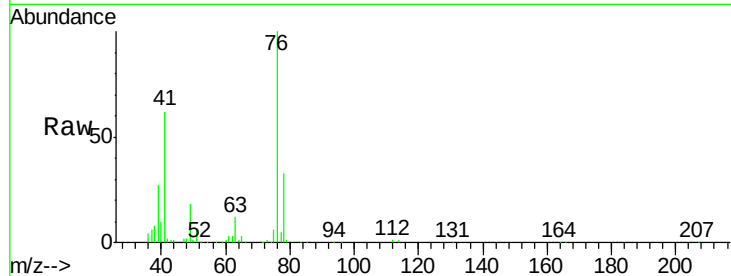
#57
 1,3-Dichloropropane
 Concen: 51.387 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 207397
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4

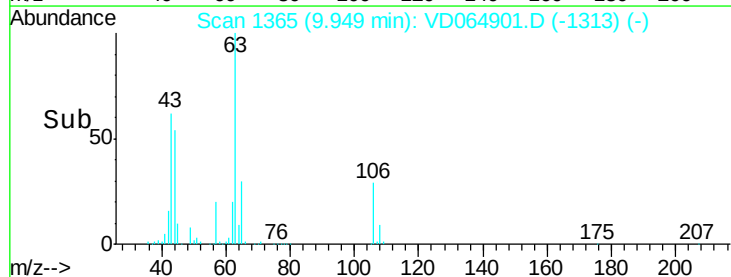
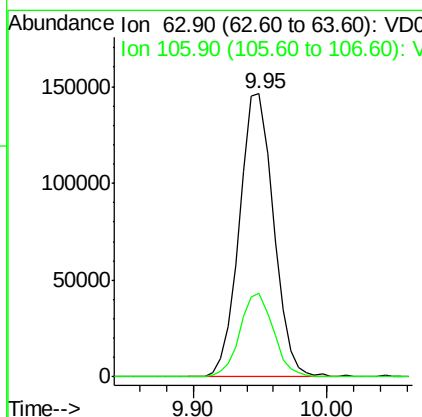
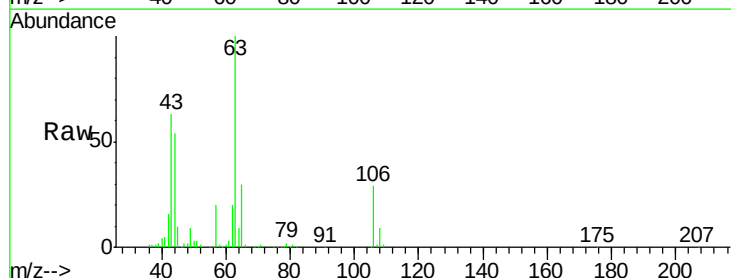
Manual Integrations
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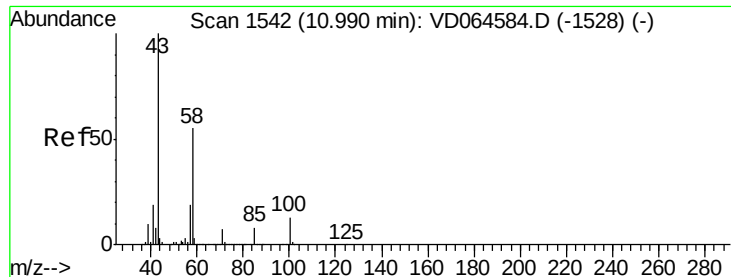
MMDadoda
 1/22/2020 10:49:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.191 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion: 63 Resp: 260083
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.8 35.8





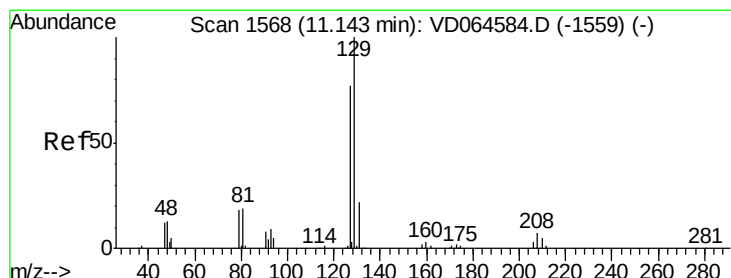
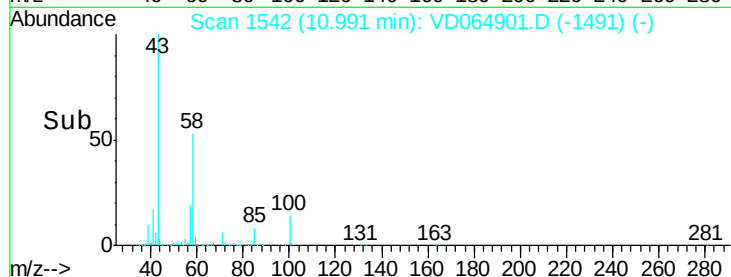
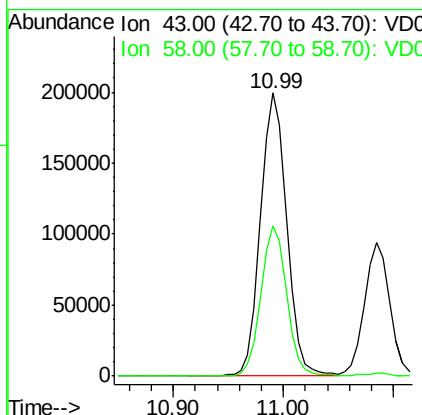
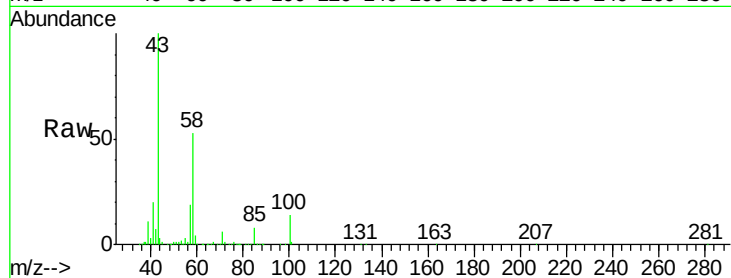
#59
2-Hexanone
Concen: 266.225 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 334258
Ion Ratio Lower Upper
43 100
58 52.2 26.4 79.0

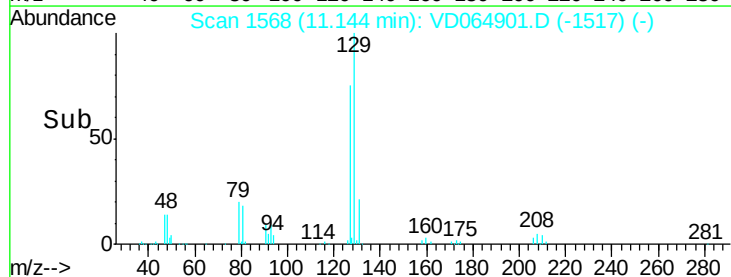
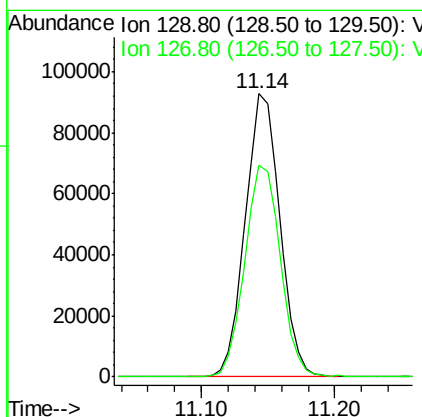
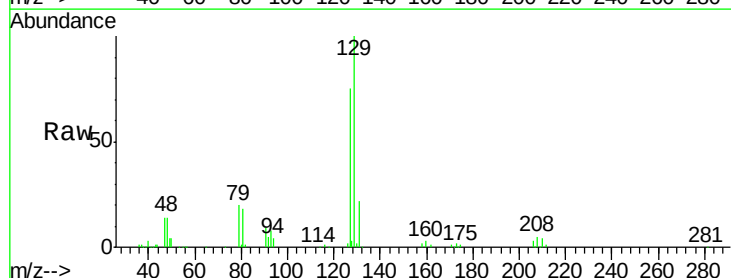
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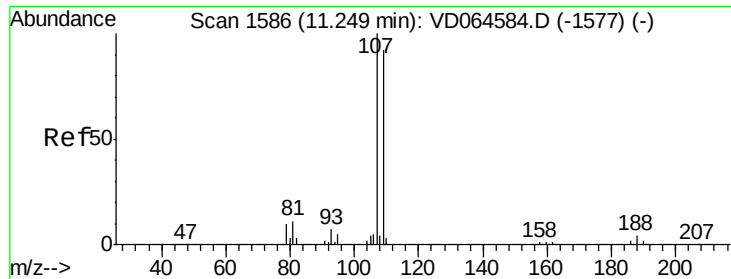
MMDadoda
1/22/2020 10:49:20 AM



#60
Dibromochloromethane
Concen: 51.471 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion: 129 Resp: 166843
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 49.630 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 114744

Ion Ratio Lower Upper

107 100

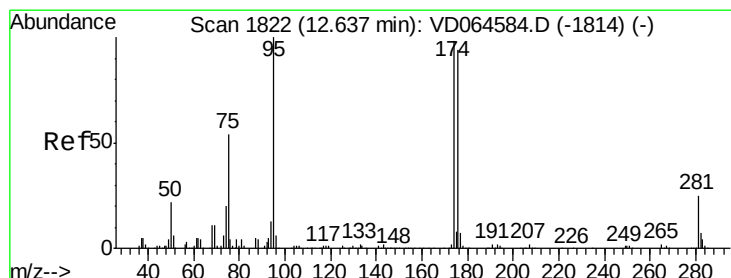
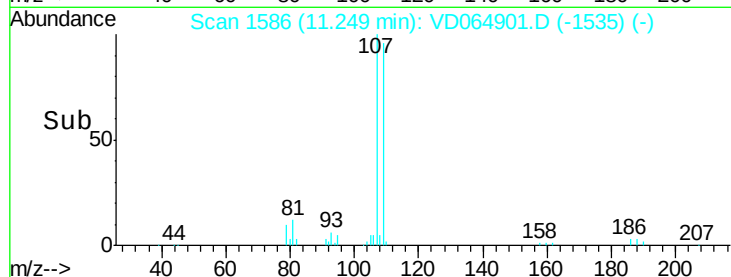
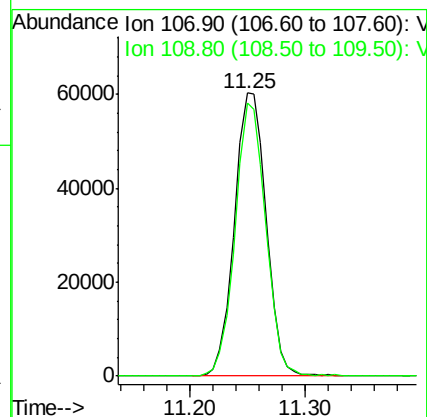
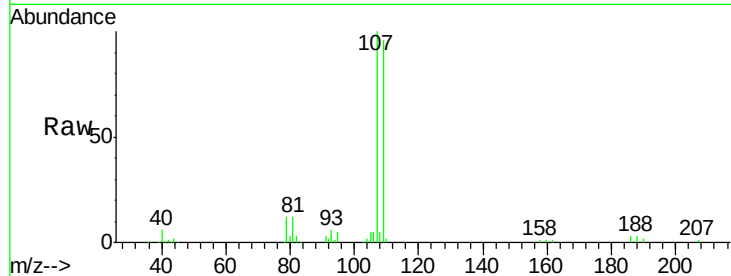
109 93.2 75.6 113.4

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.089 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

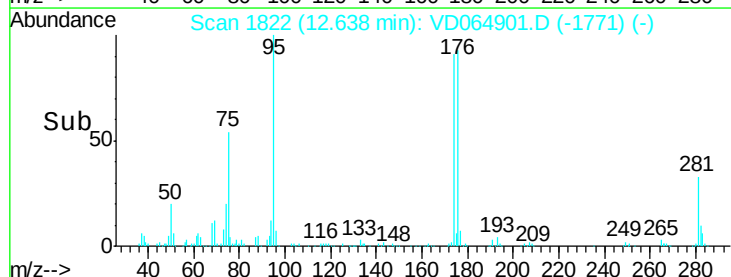
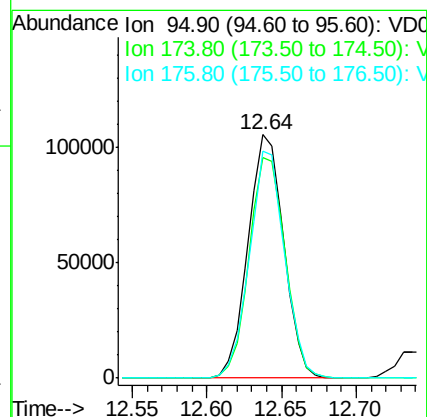
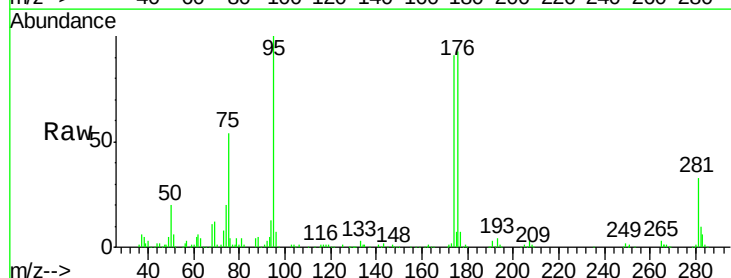
Tgt Ion: 95 Resp: 173984

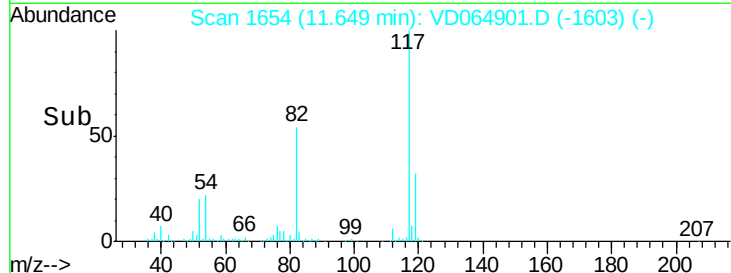
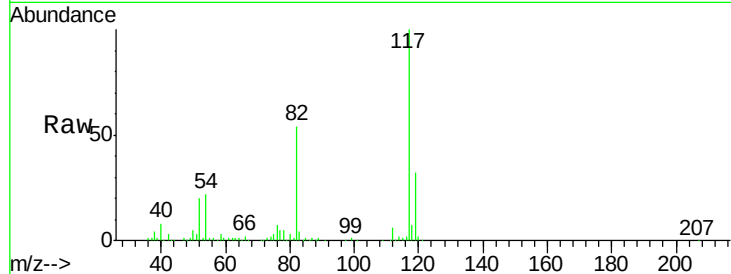
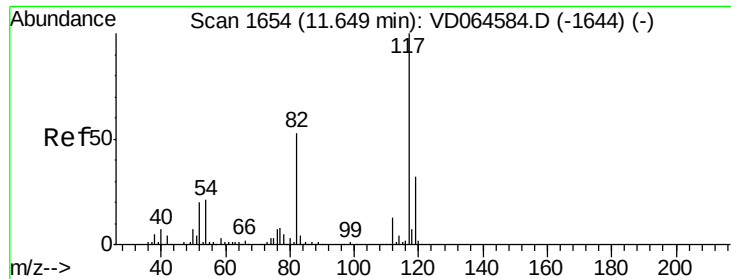
Ion Ratio Lower Upper

95 100

174 92.0 0.0 193.2

176 92.0 0.0 184.2





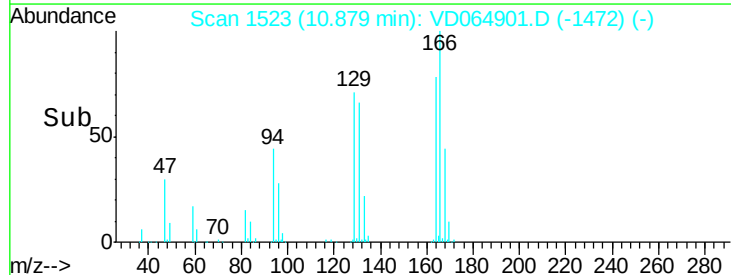
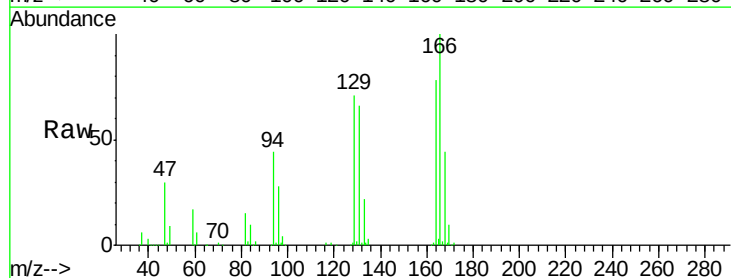
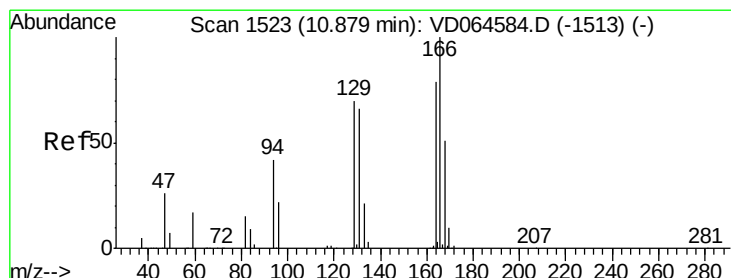
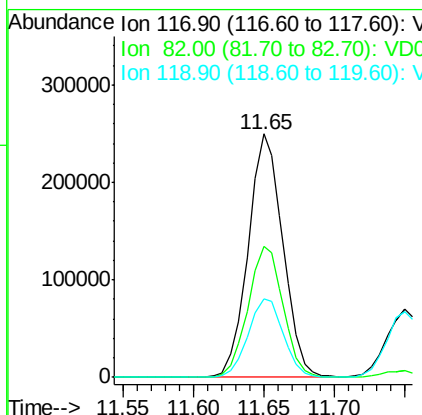
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tot Ion	Ratio	Resp	Lower	Upper
117	100	430412		
82	53.8	42.2	63.4	
119	32.1	26.0	39.0	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

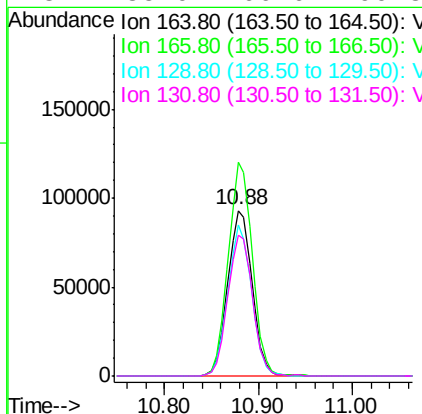
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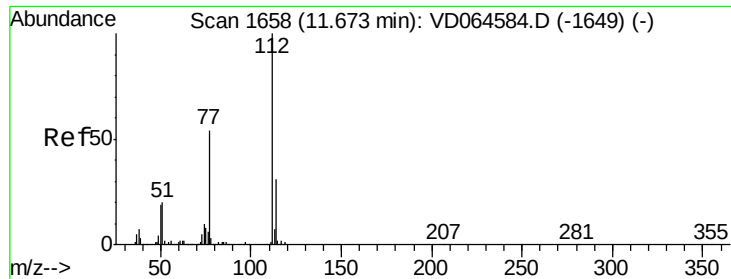
MMDadoda
1/22/2020 10:49:20 AM



#64
Tetrachloroethene
Concen: 51.018 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	168463		
166	128.8	101.3	151.9	
129	91.1	70.5	105.7	
131	85.0	66.6	99.8	





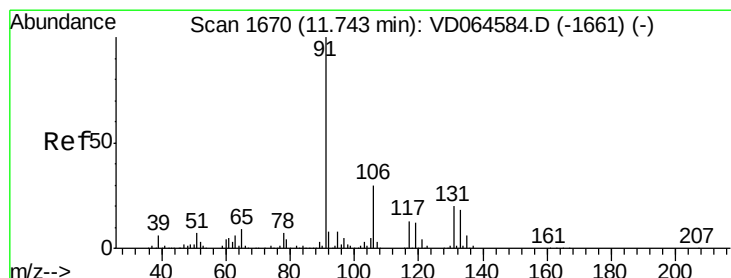
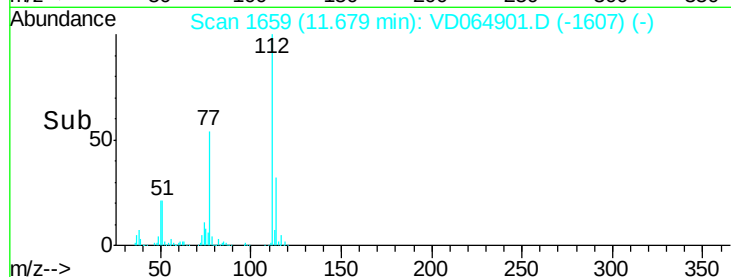
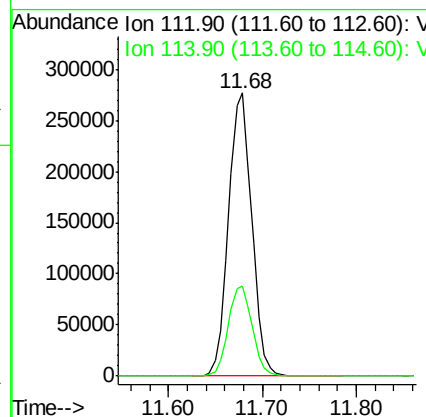
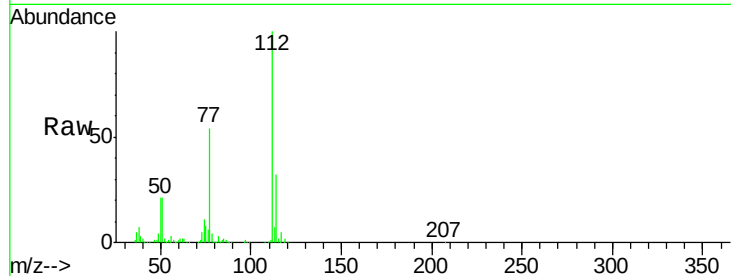
#65
Chlorobenzene
Concen: 53.406 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.8	37.2

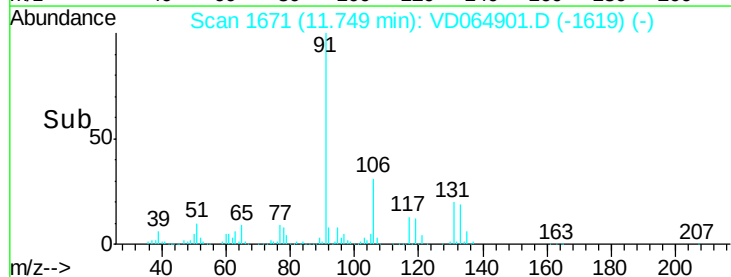
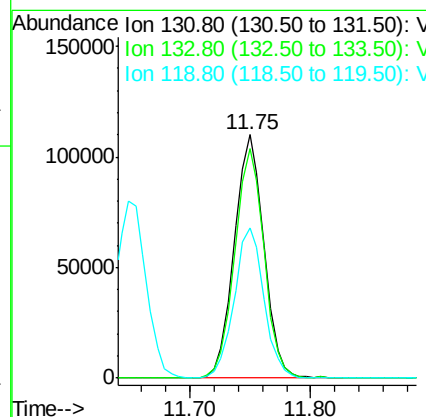
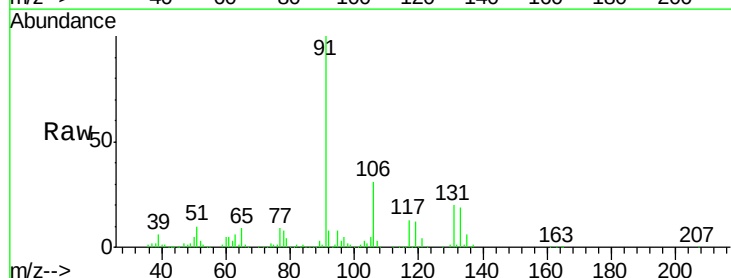
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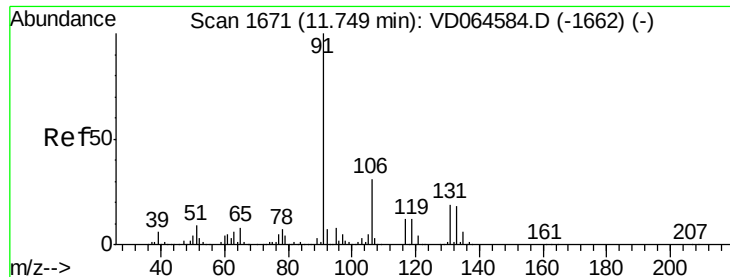
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.873 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	48.3	144.8
119	61.7	32.1	96.3





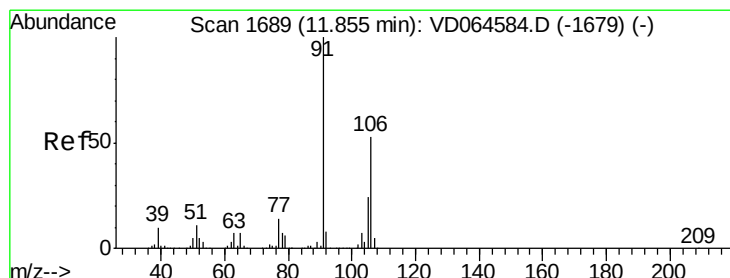
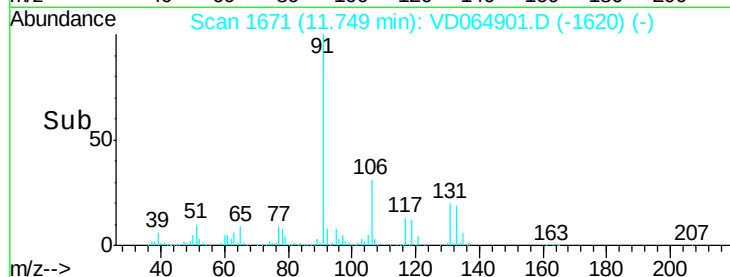
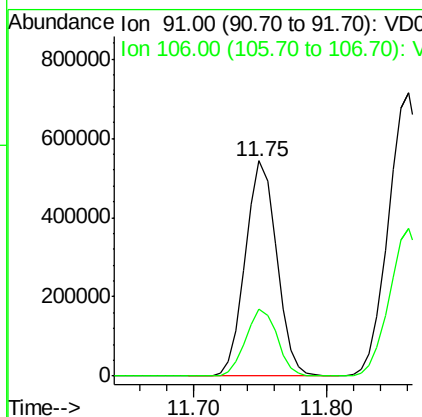
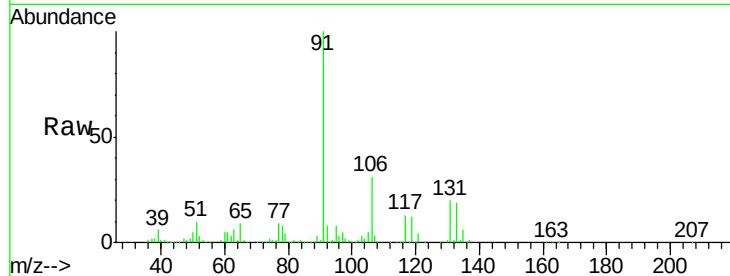
#67
Ethyl Benzene
Concen: 54.477 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 883296
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8

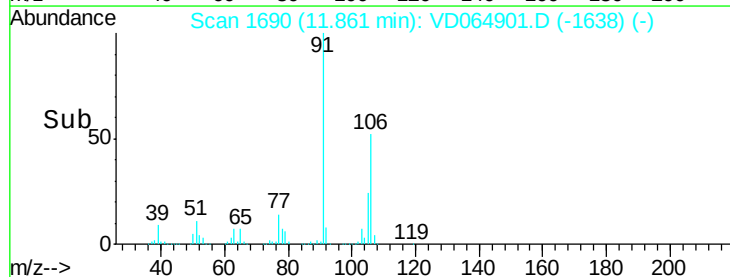
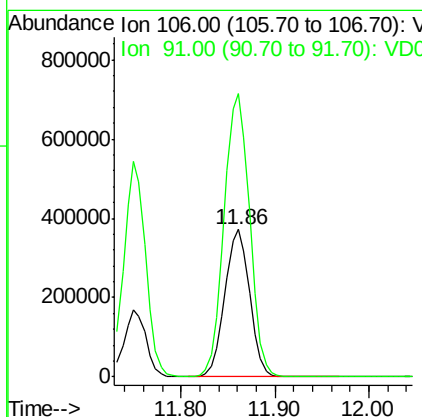
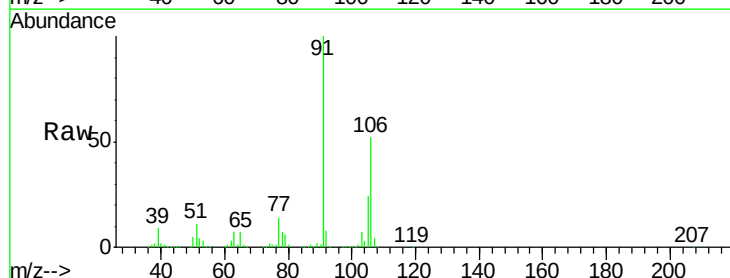
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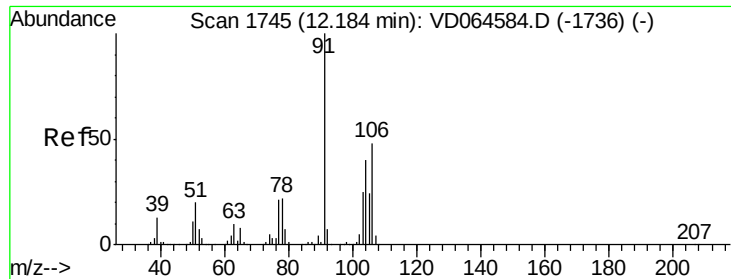
MMDadoda
1/22/2020 10:49:20 AM



#68
m/p-Xylenes
Concen: 109.417 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion: 106 Resp: 684769
Ion Ratio Lower Upper
106 100
91 197.0 156.3 234.5





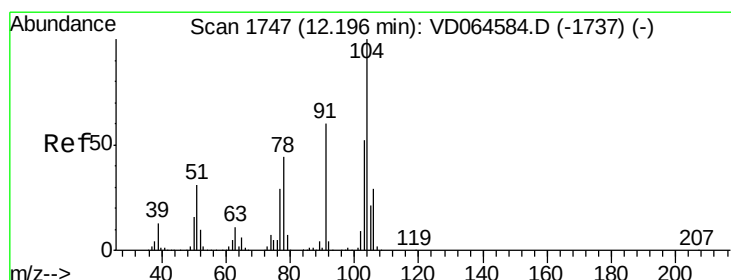
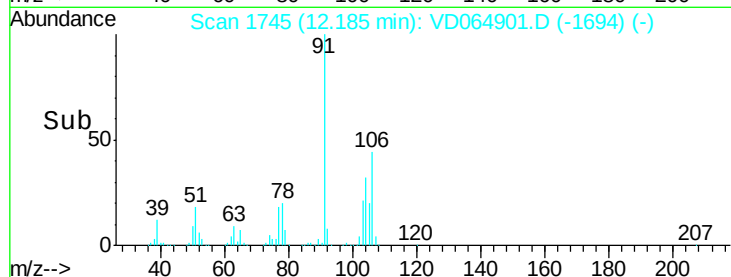
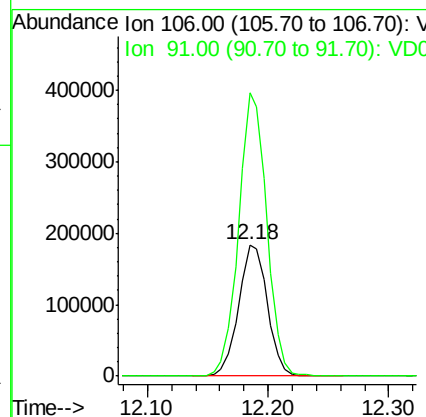
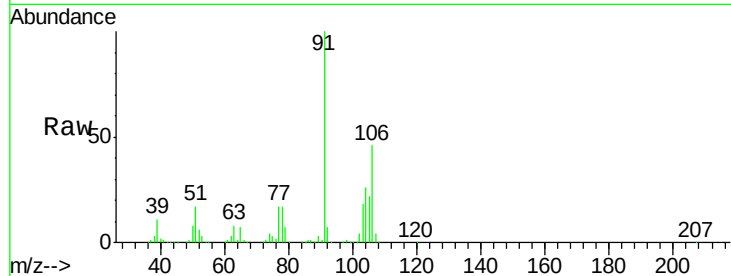
#69
o-Xylene
Concen: 53.845 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.3	104.8	314.4

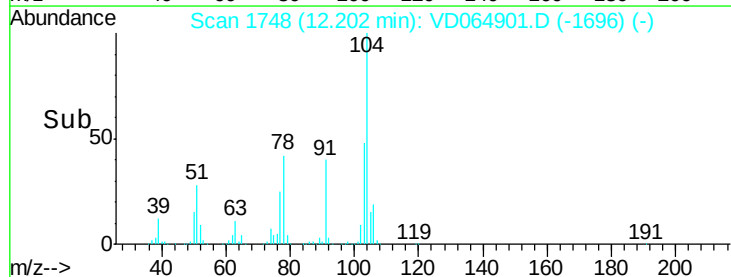
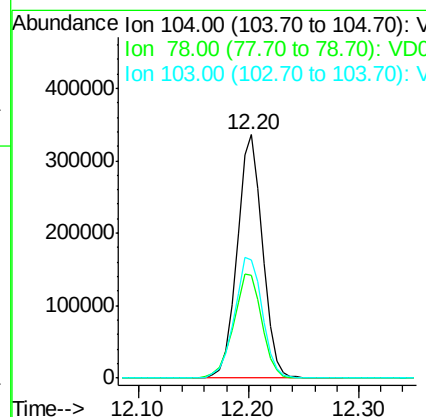
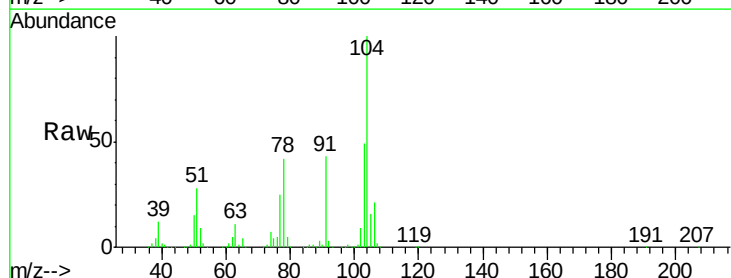
Manual Integrations
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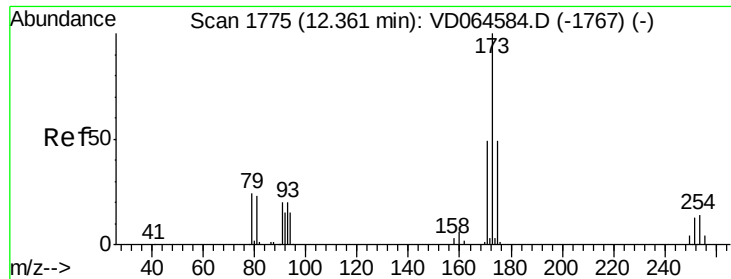
MMDadoda
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#70
Styrene
Concen: 54.381 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	38.2	57.2
103	54.9	44.6	67.0





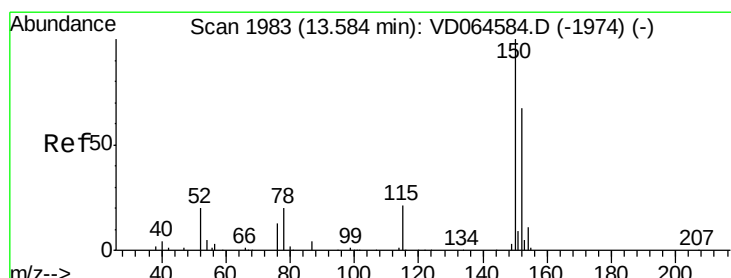
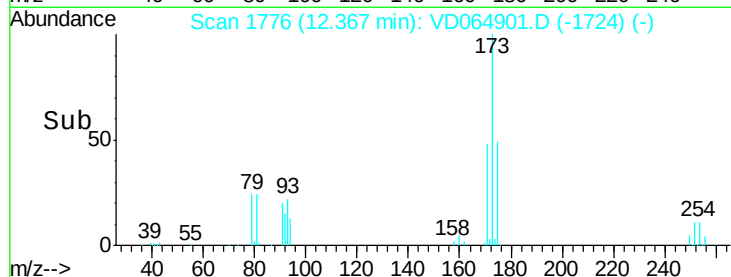
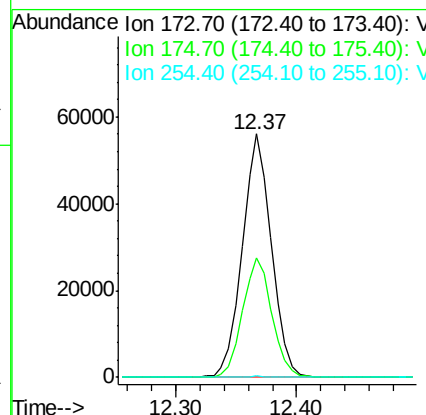
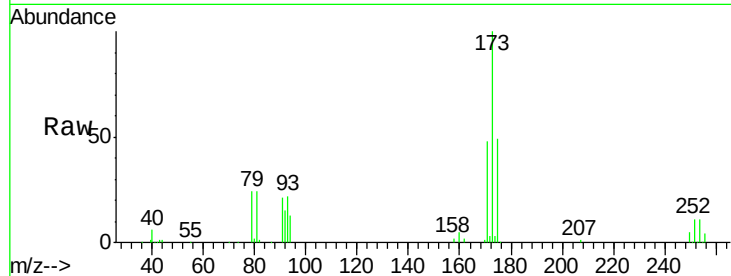
#71
Bromoform
Concen: 48.873 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.8
254	0.1	0.1	0.1

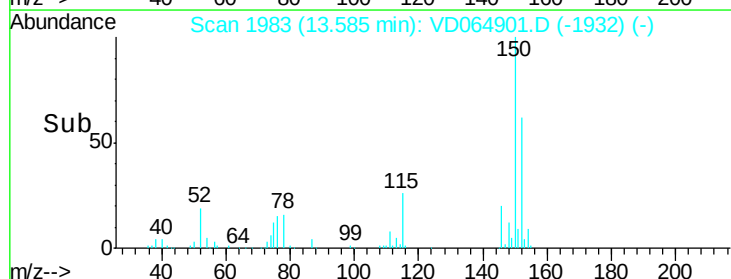
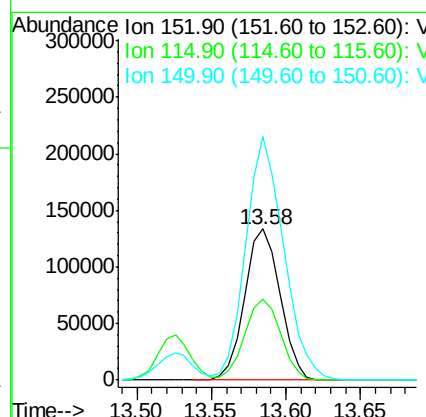
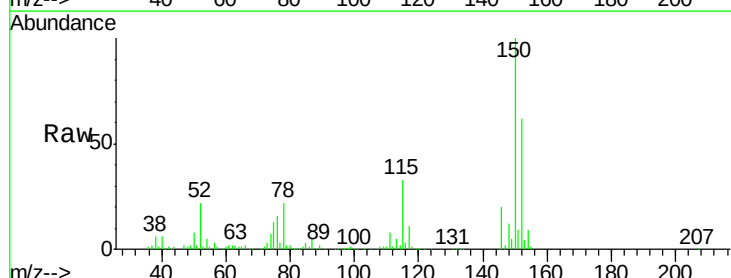
Manual Integrations
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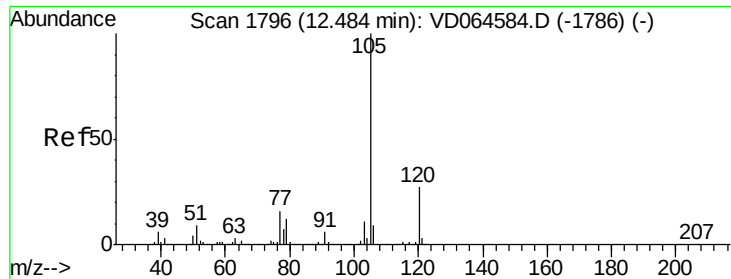
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.8	83.4
150	173.0	0.0	351.4





#73

Isopropylbenzene

Concen: 53.986 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 845139

Ion Ratio Lower Upper

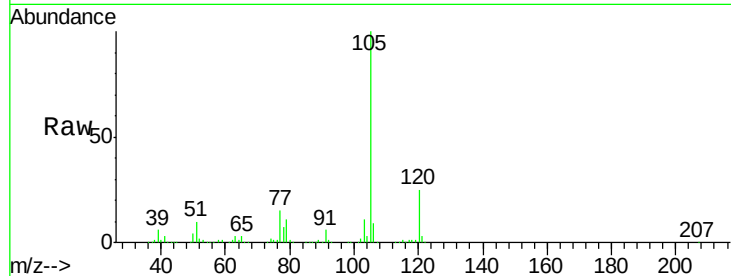
105 100

120 26.1 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

600000

500000

400000

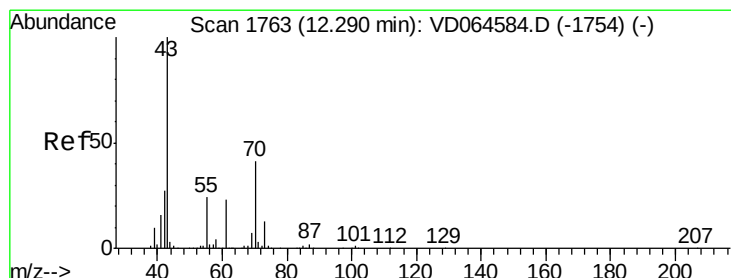
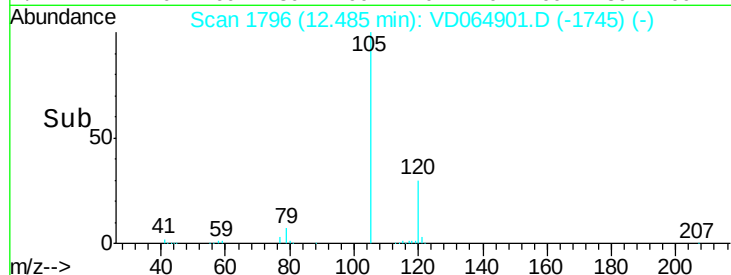
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 48.420 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Tgt Ion: 43 Resp: 162033

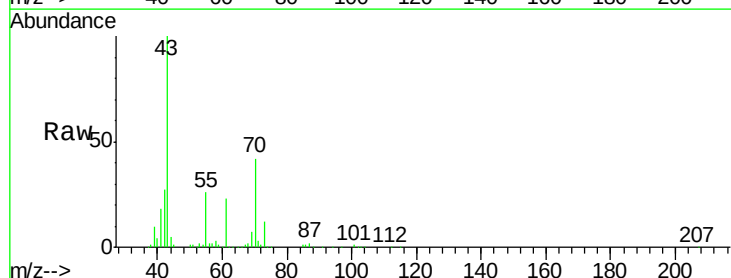
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.0

55 25.2 19.4 29.0

61 23.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

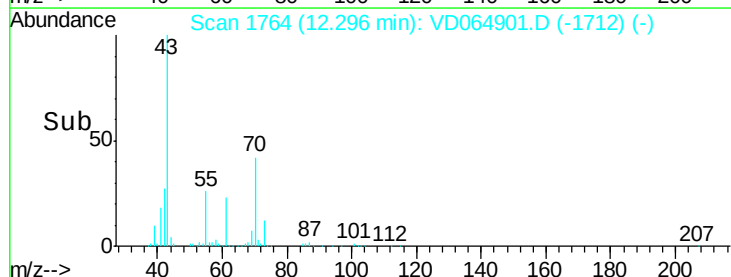
150000

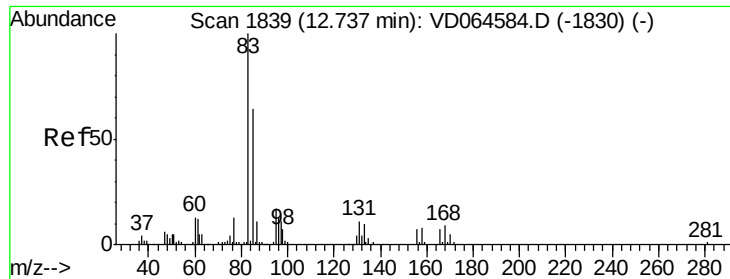
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.734 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

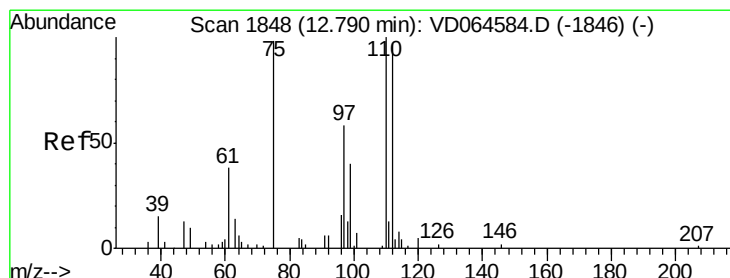
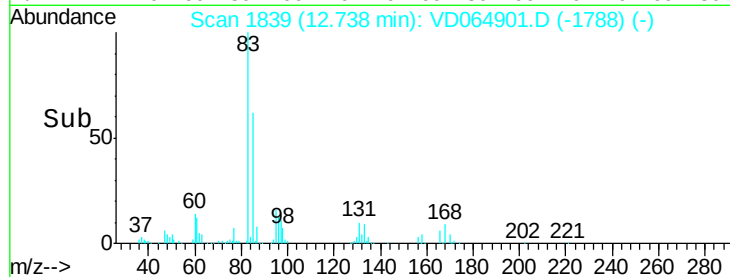
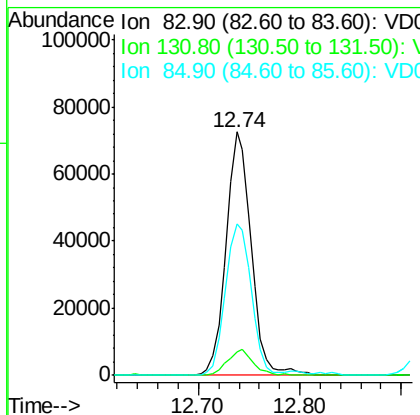
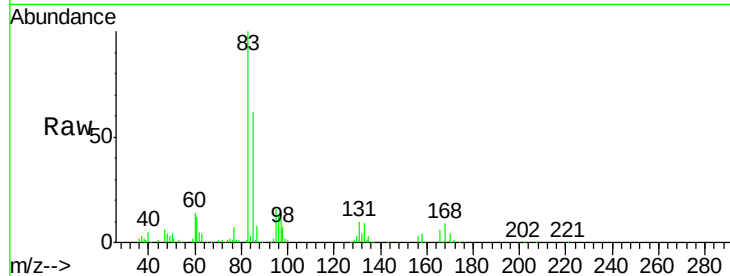
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	124766
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.8	17.4
85	64.2	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 49.265 ug/l m

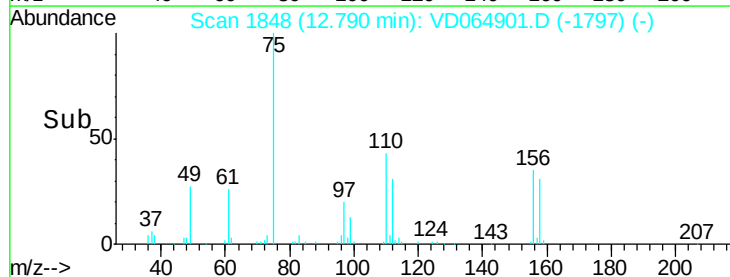
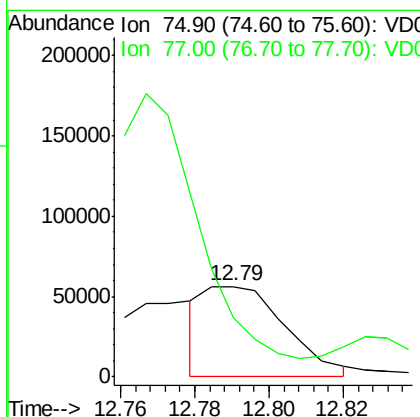
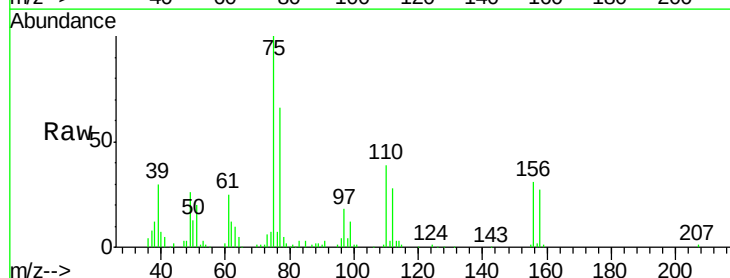
RT: 12.79 min Scan# 1848

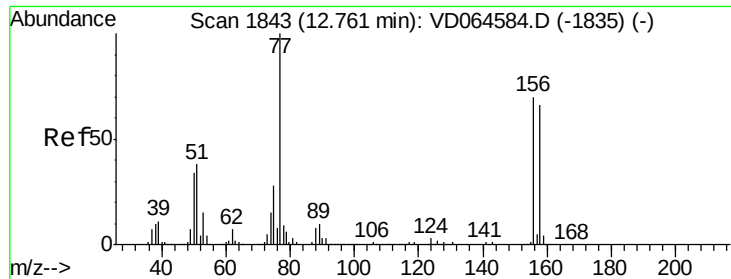
Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Tgt Ion:	75	Resp:	85221
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.797 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

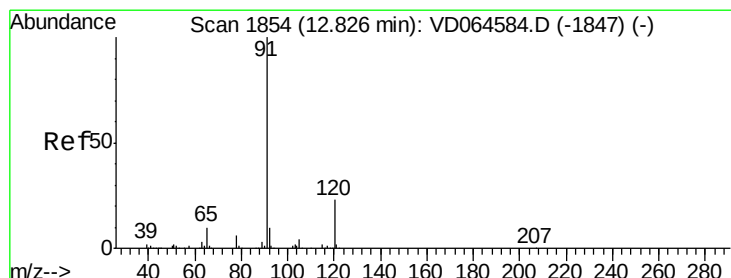
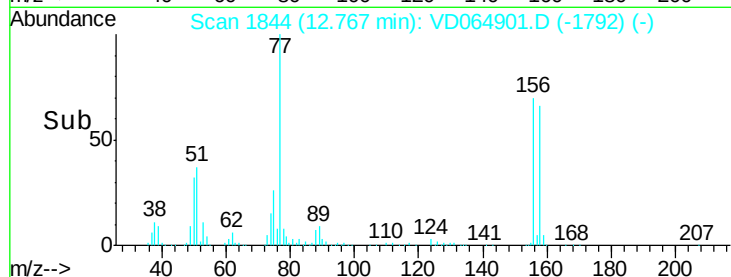
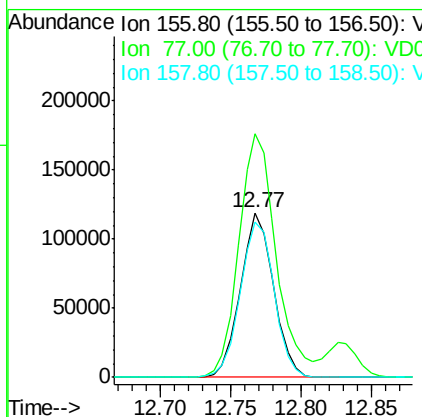
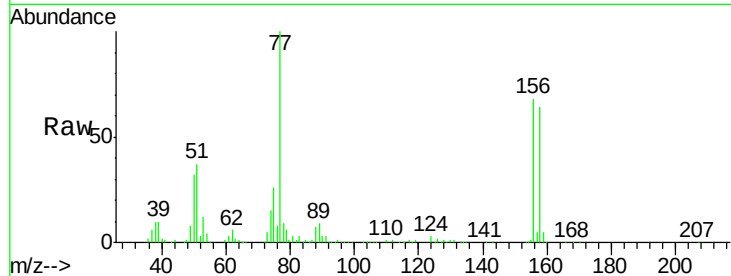
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	195397
Ion Ratio	Lower	Upper	
156	100		
77	166.2	80.9	242.7
158	97.1	48.0	144.2

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#78

n-propylbenzene

Concen: 54.539 ug/l

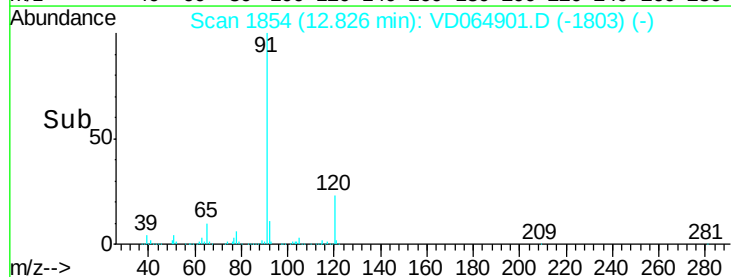
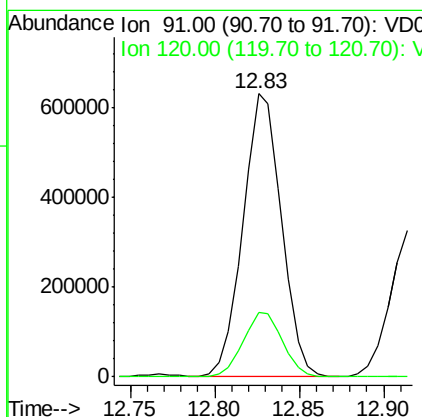
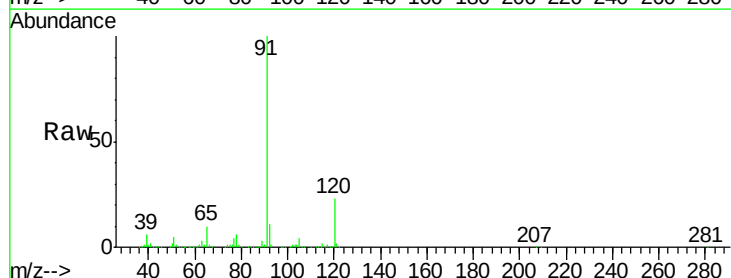
RT: 12.83 min Scan# 1854

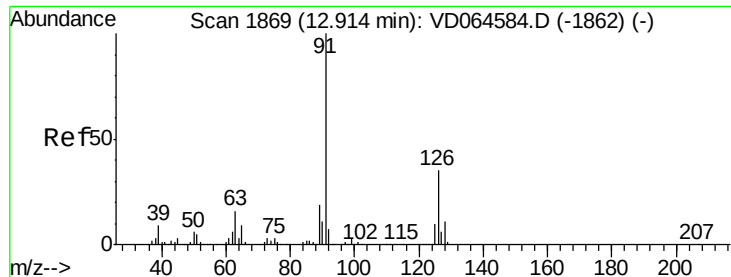
Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Tgt Ion:	91	Resp:	996057
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.9	35.9





#79

2-Chlorotoluene

Concen: 54.022 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 541991

Ion Ratio Lower Upper

91 100

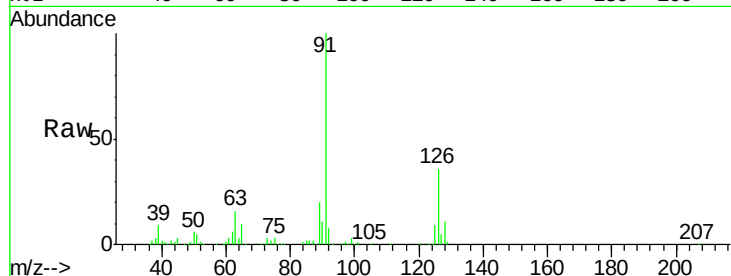
126 36.0 17.8 53.5

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Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064584.D (-1862) (-)

500000

400000

300000

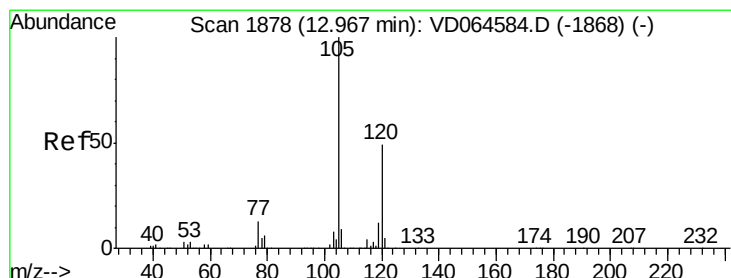
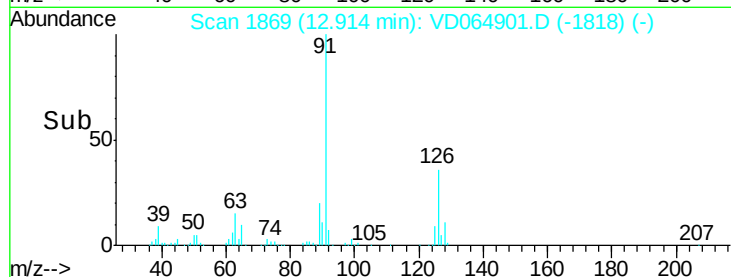
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.907 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064901.D

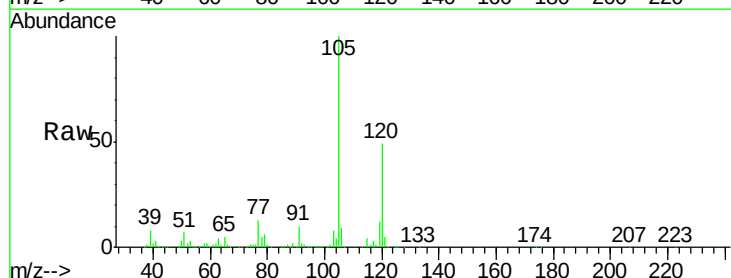
Acq: 21 Jan 2020 09:21

Tgt Ion:105 Resp: 693228

Ion Ratio Lower Upper

105 100

120 50.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD064584.D (-1868) (-)

500000

400000

300000

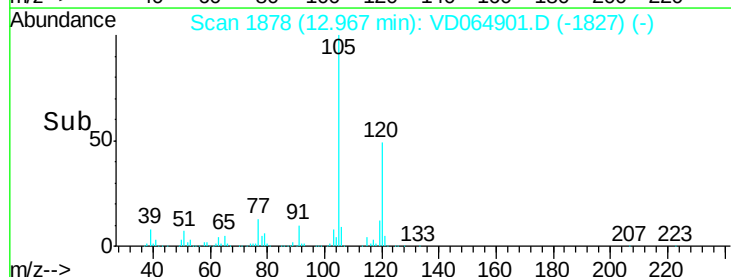
200000

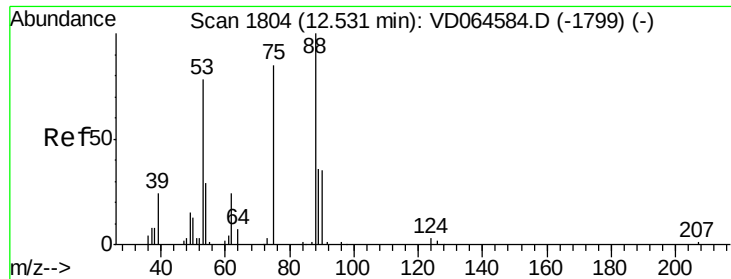
100000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.383 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 40845

Ion Ratio Lower Upper

75 100

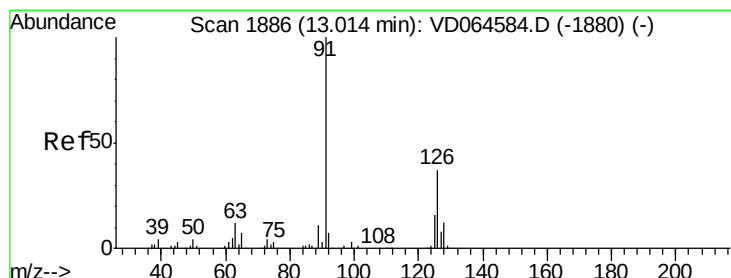
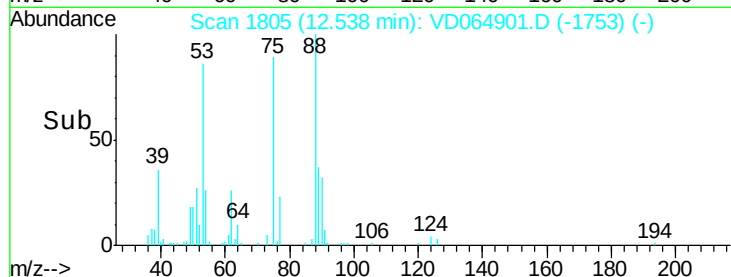
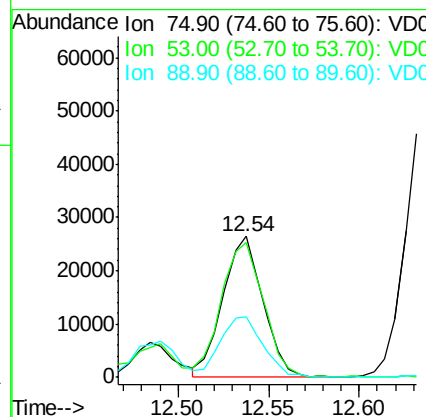
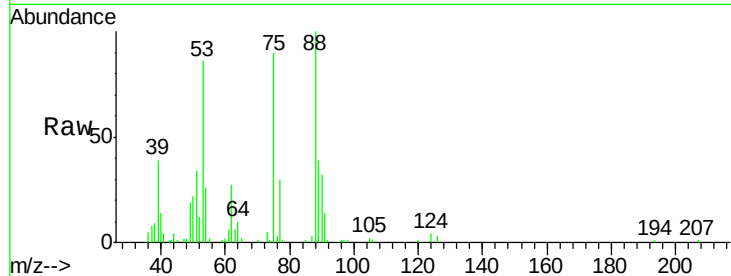
53 101.2 78.8 118.2

89 45.9 38.3 57.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.554 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064901.D

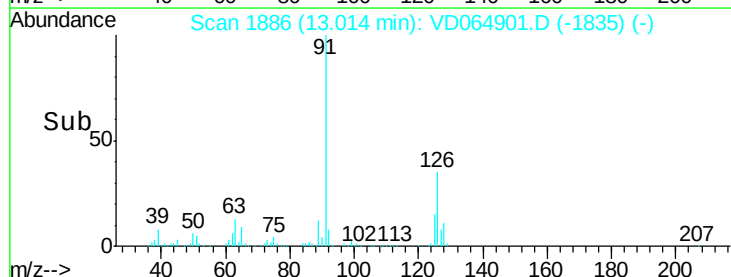
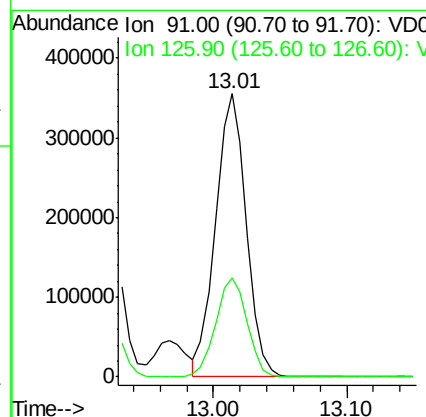
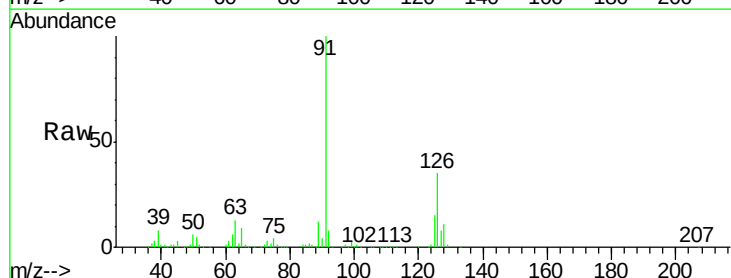
Acq: 21 Jan 2020 09:21

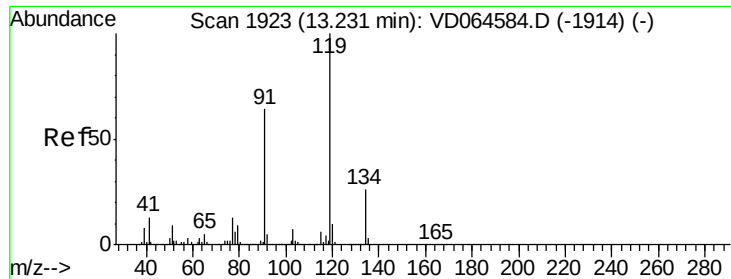
Tgt Ion: 91 Resp: 571781

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5





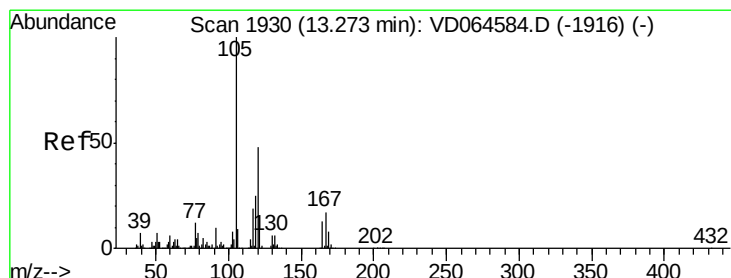
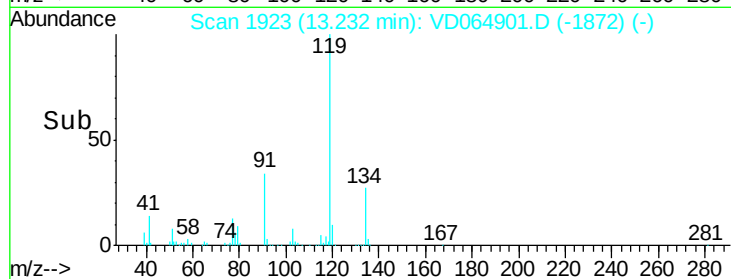
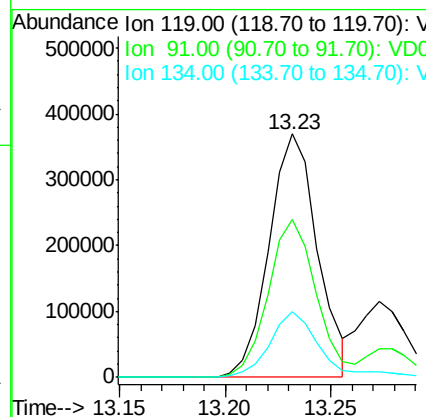
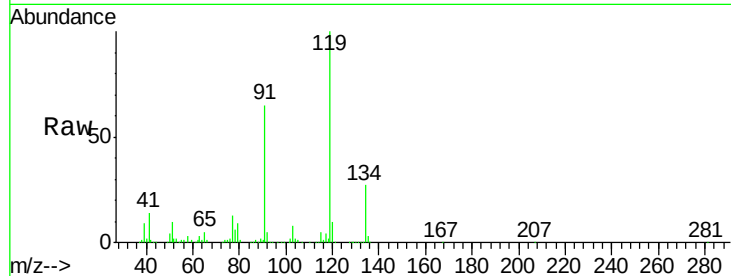
#83
 tert-Butylbenzene
 Concen: 52.881 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	30.8	92.4
134	27.9	12.8	38.3

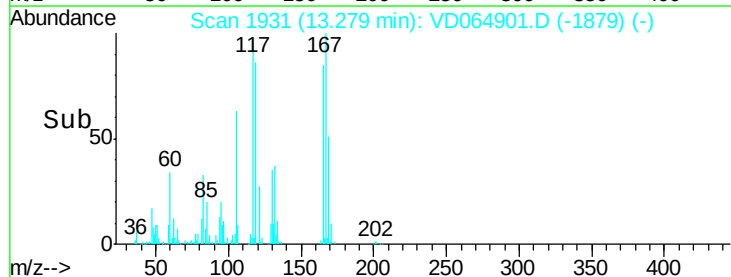
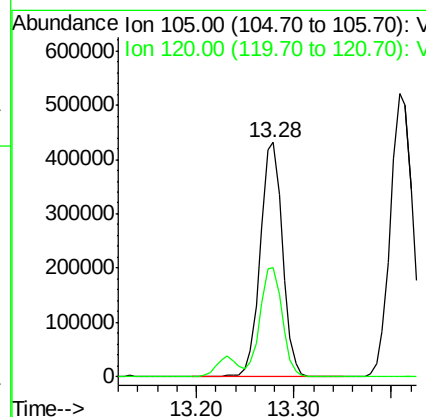
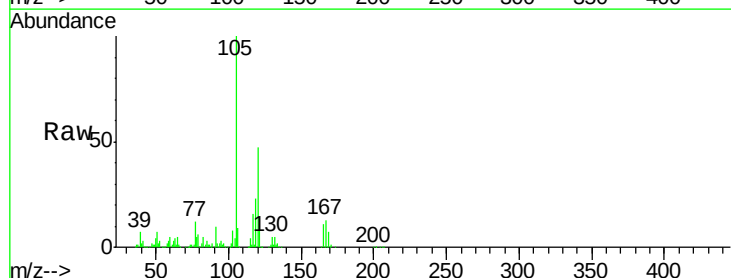
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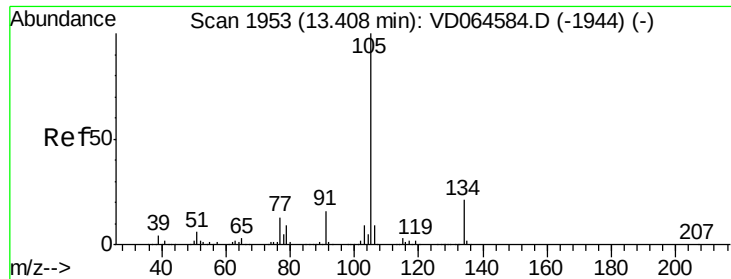
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.737 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.2





#85

sec-Butylbenzene

Concen: 54.442 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 833355

Ion Ratio Lower Upper

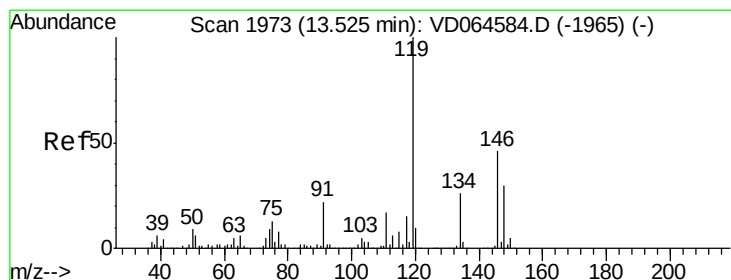
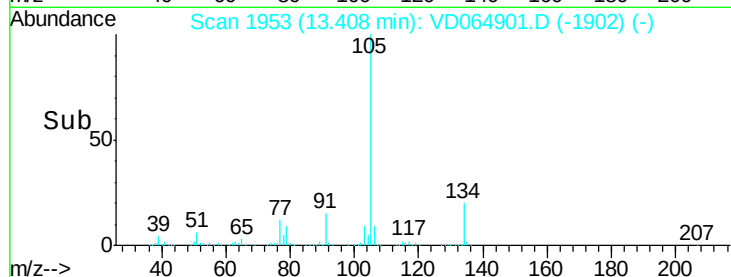
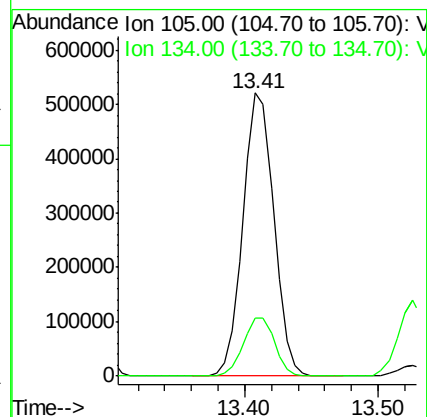
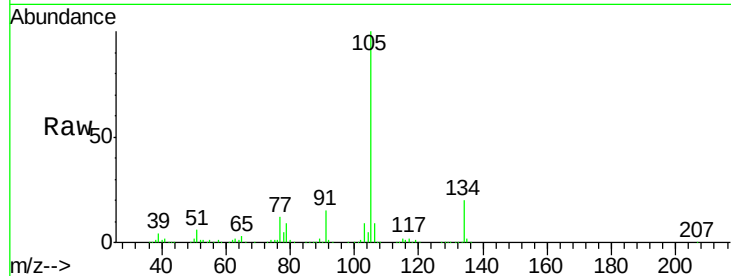
105 100

134 20.8 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 53.206 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064901.D

Acq: 21 Jan 2020 09:21

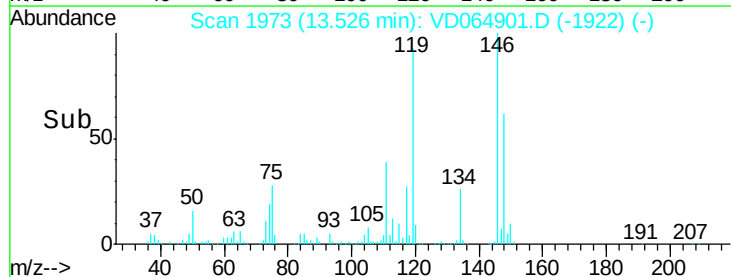
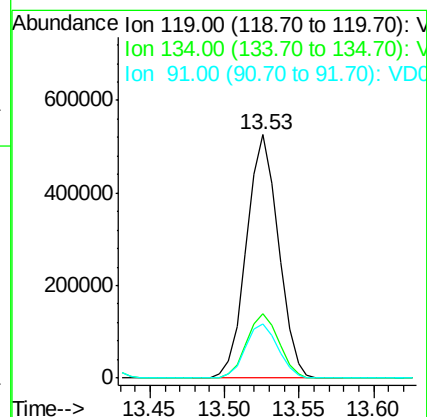
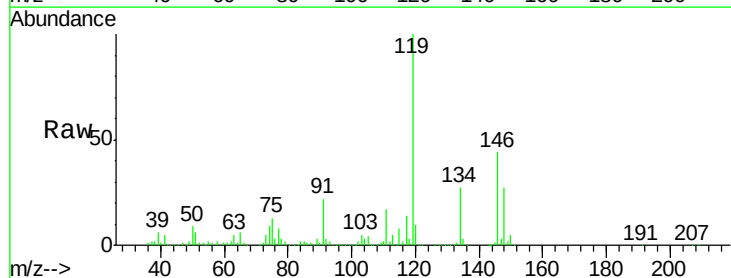
Tgt Ion:119 Resp: 778755

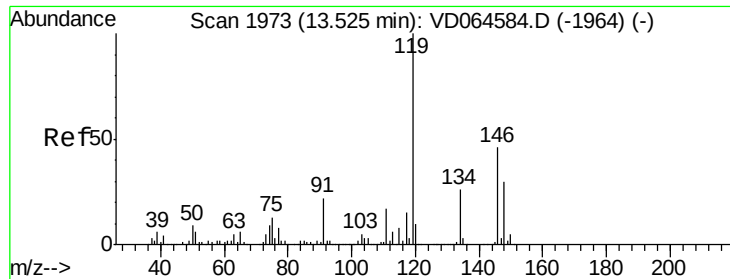
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.8 11.2 33.6





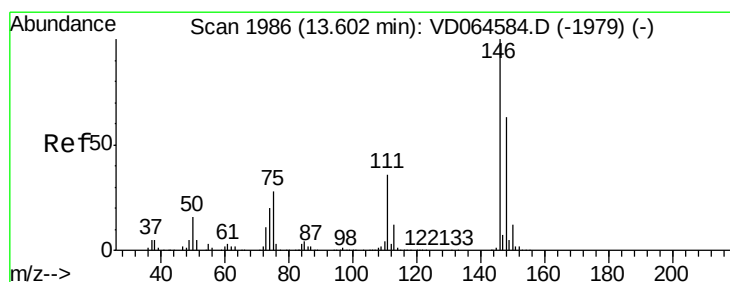
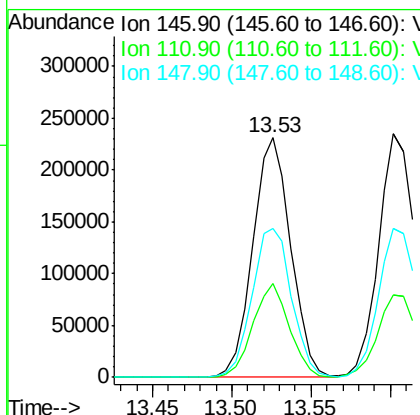
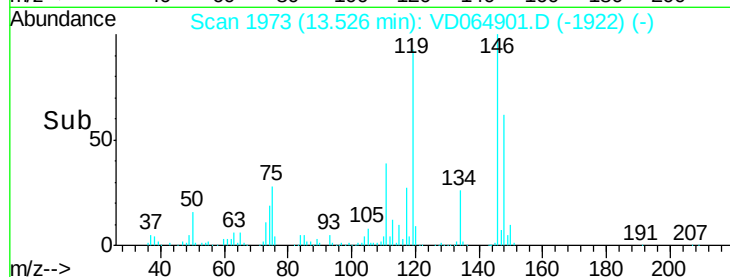
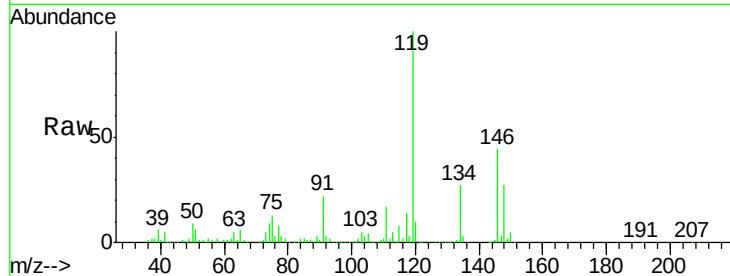
#87
 1,3-Dichlorobenzene
 Concen: 52.311 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	383595		
111	37.9	18.8	56.4	
148	64.8	32.5	97.5	

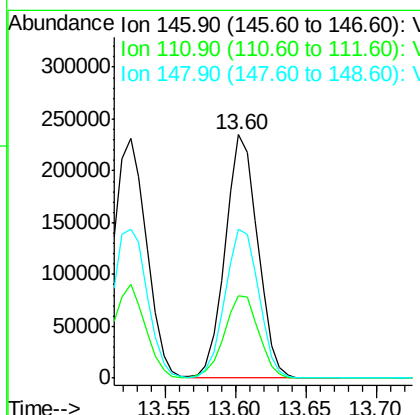
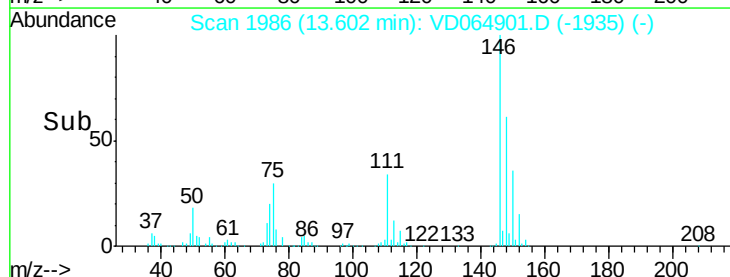
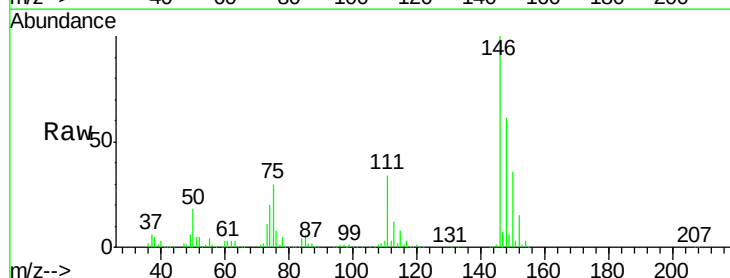
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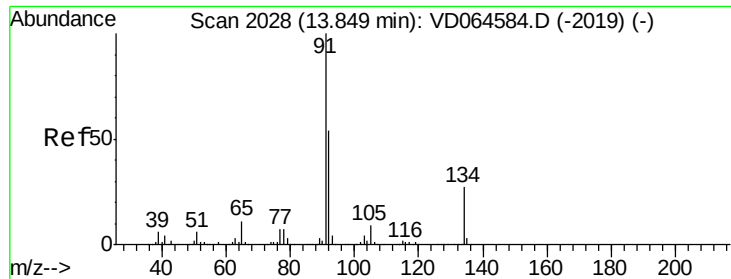
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#88
 1,4-Dichlorobenzene
 Concen: 52.285 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	376640		
111	35.9	18.1	54.1	
148	63.6	32.3	96.9	





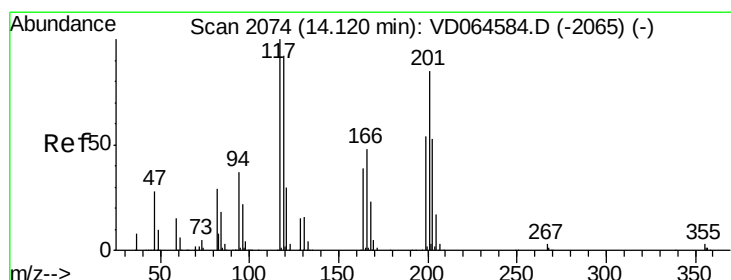
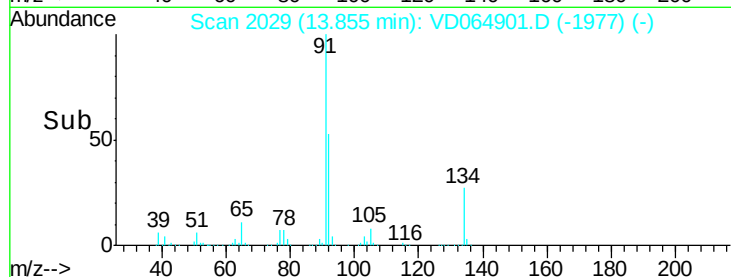
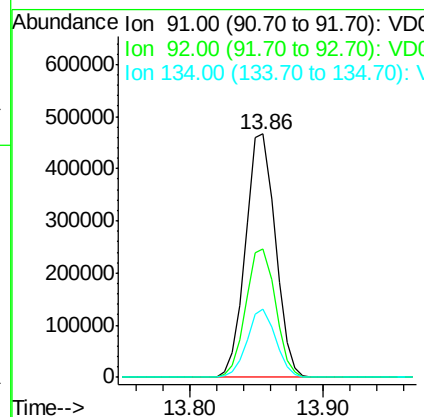
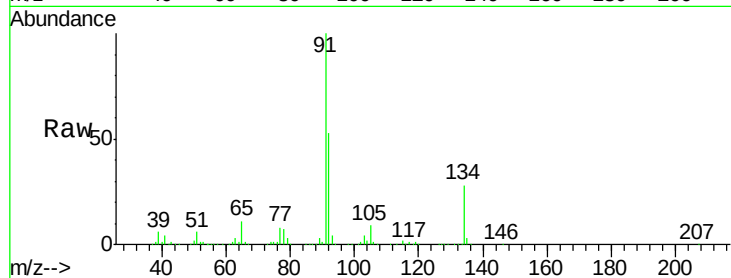
#89
n-Butylbenzene
Concen: 54.568 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	719246		
92	52.7		26.8	80.4
134	26.7		14.0	41.9

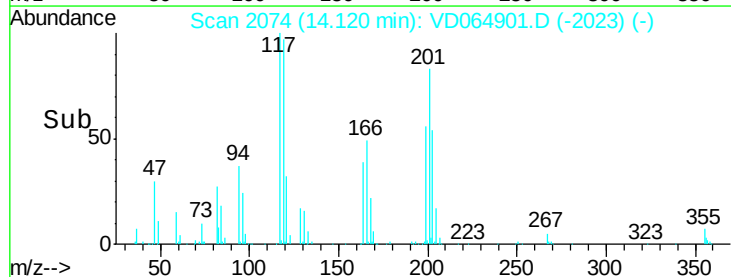
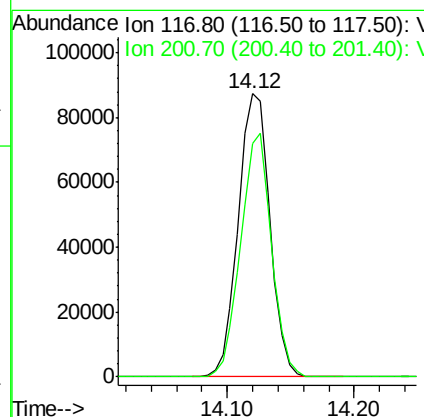
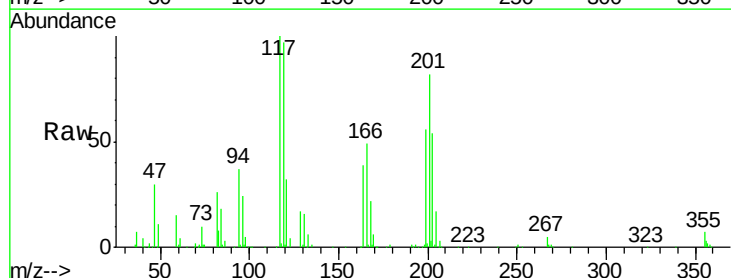
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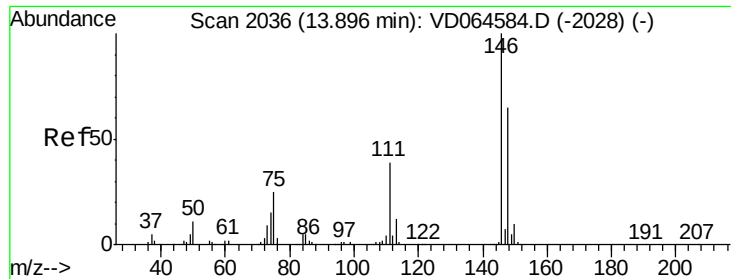
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#90
Hexachloroethane
Concen: 53.793 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	150398		
201	83.9		44.0	131.8





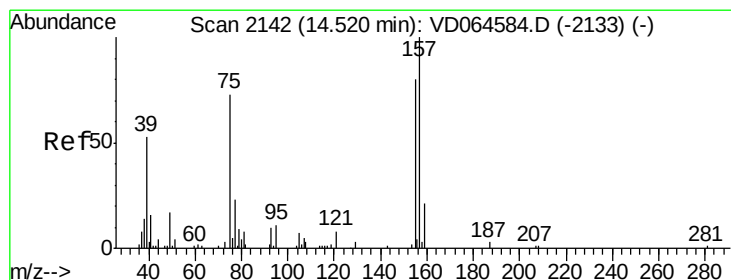
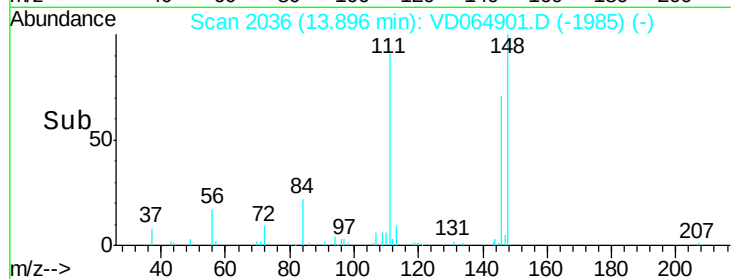
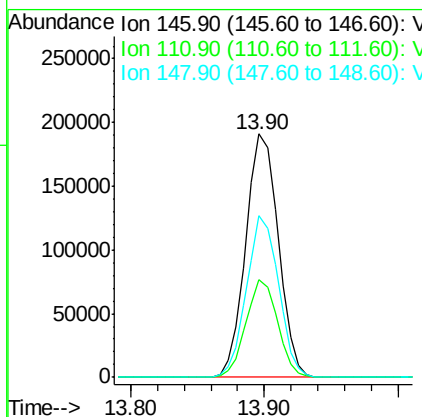
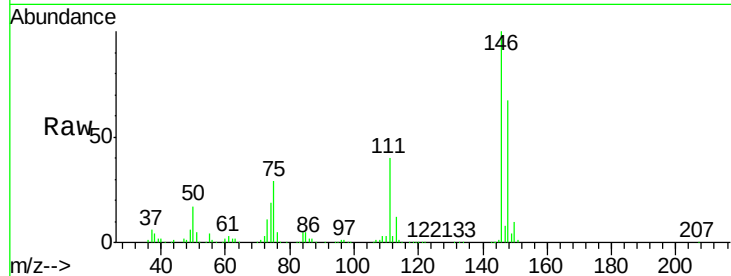
#91
 1,2-Dichlorobenzene
 Concen: 51.626 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	65.3	31.9	95.5

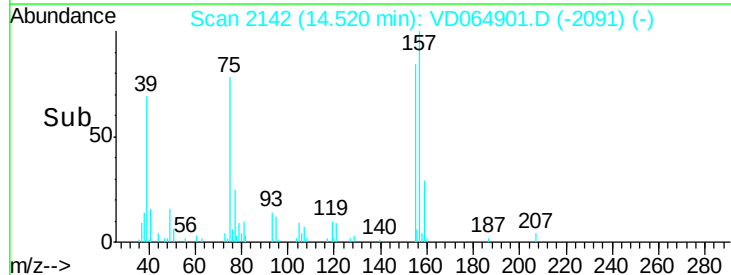
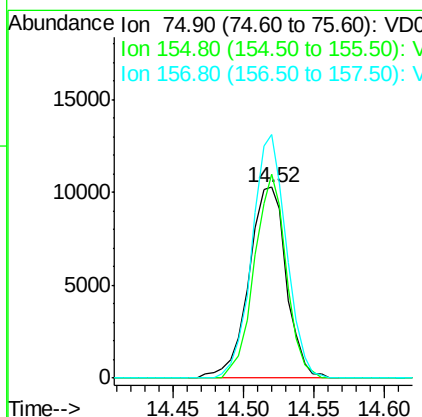
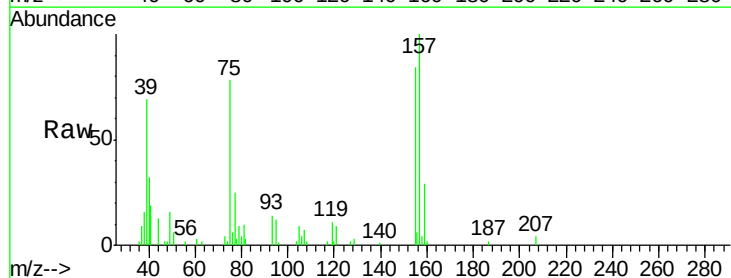
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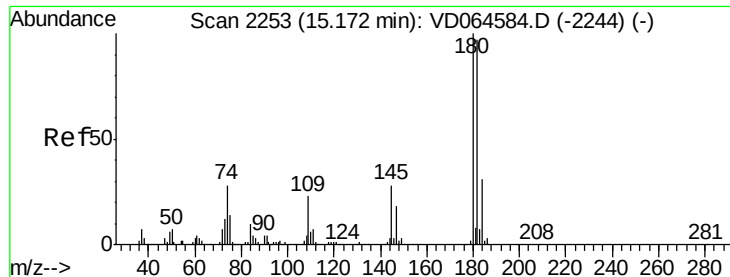
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 1/22/2020 10:49:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.030 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	48.0	144.0
157	116.9	64.1	192.3





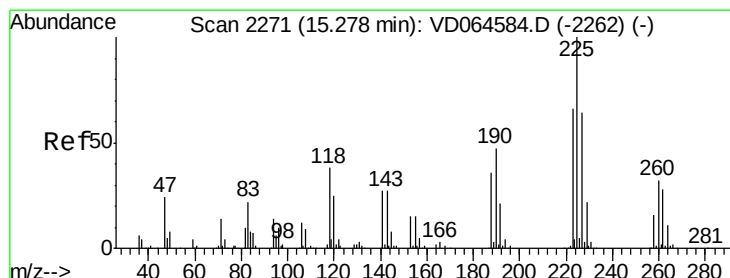
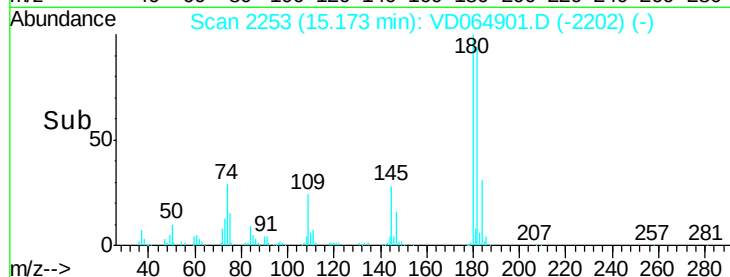
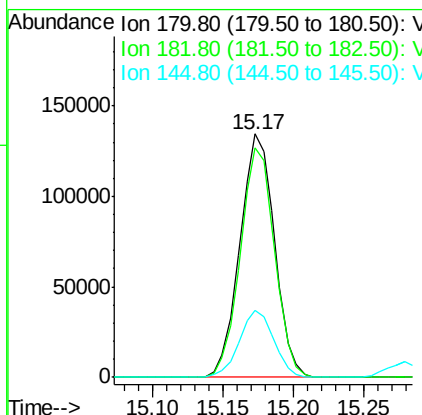
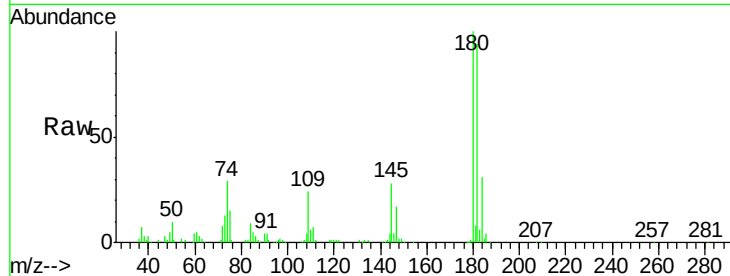
#93
 1,2,4-Trichlorobenzene
 Concen: 50.189 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	231073		
182	93.3	48.0	144.2	
145	27.5	13.8	41.4	

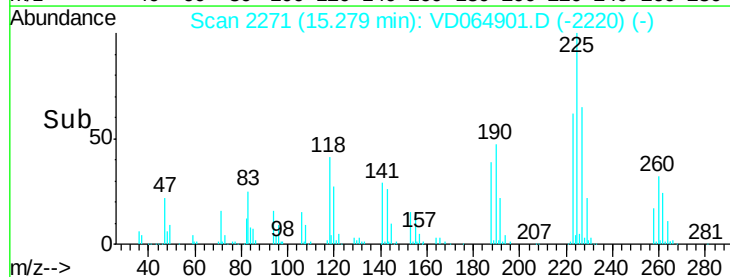
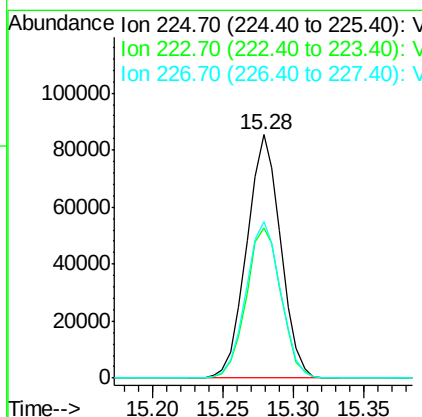
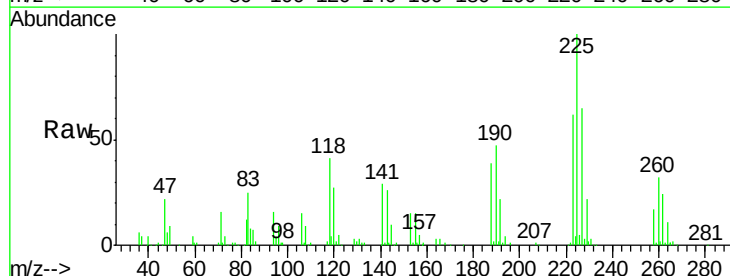
Manual Integrations
 APPROVED

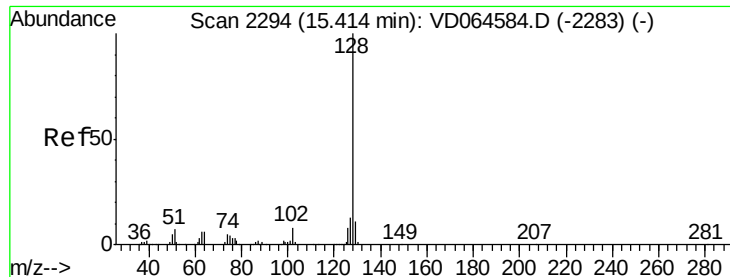
MMDadoda
 1/22/2020 10:49:20 AM



#94
 Hexachlorobutadiene
 Concen: 49.675 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064901.D
 Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143919		
223	63.2	31.1	93.2	
227	65.5	30.9	92.7	





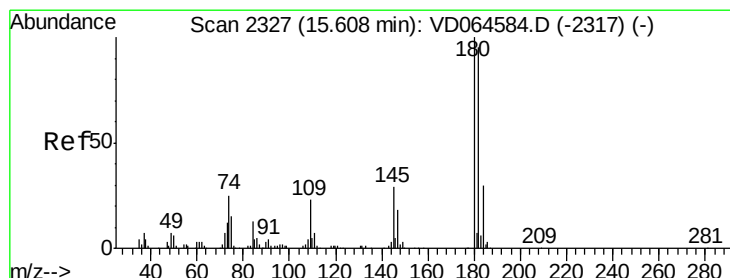
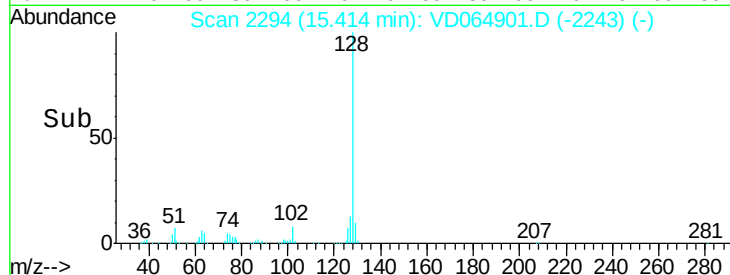
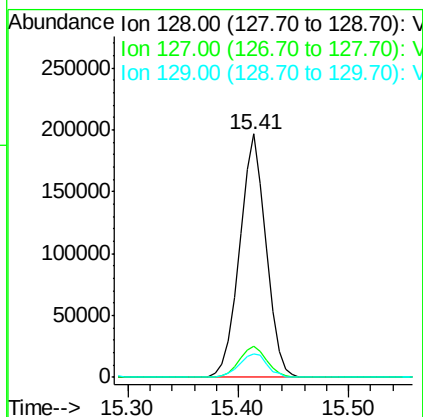
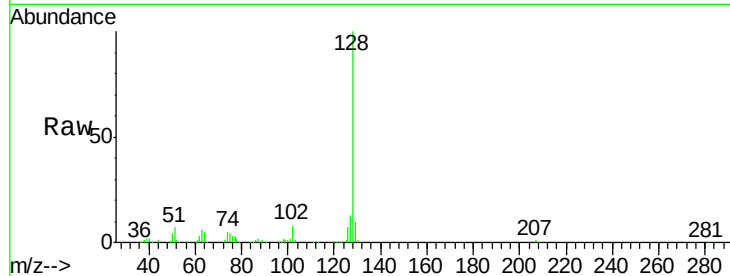
#95
Naphthalene
Concen: 45.429 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	330888		
127	13.4		10.3	15.5
129	10.4		8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/22/2020 10:49:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.609 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064901.D
Acq: 21 Jan 2020 09:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	187125		
182	97.1		47.9	143.7
145	30.0		14.9	44.7

