

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012920\
 Data File : VD064988.D
 Acq On : 29 Jan 2020 10:45
 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
 1/30/2020 10:27:06 AM

Quant Time: Jan 29 15:43:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	504891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	718765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	631402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304839	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	229951	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	7.92	113	224109	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.34	98	880039	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.64	95	268499	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	199331	52.406	ug/l	99
3) Chloromethane	2.21	50	280153	50.255	ug/l	99
4) Vinyl Chloride	2.36	62	323803	50.572	ug/l	99
5) Bromomethane	2.77	94	200350	46.517	ug/l	100
6) Chloroethane	2.93	64	205477	48.678	ug/l	99
7) Trichlorofluoromethane	3.27	101	499678	50.532	ug/l	97
8) Diethyl Ether	3.71	74	111082	49.761	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	239989	52.166	ug/l	98
10) Methyl Iodide	4.29	142	259072	53.052	ug/l	100
11) Tert butyl alcohol	5.25	59	59869	223.703	ug/l	96
12) 1,1-Dichloroethene	4.06	96	230568	52.462	ug/l	95
13) Acrolein	3.93	56	92119	274.573	ug/l	94
14) Allyl chloride	4.71	41	371553	53.007	ug/l	100
15) Acrylonitrile	5.43	53	234605	242.693	ug/l	99
16) Acetone	4.17	43	278743	242.373	ug/l	100
17) Carbon Disulfide	4.40	76	734546	50.783	ug/l	98
18) Methyl Acetate	4.73	43	105419	46.477	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	500646	50.982	ug/l	99
20) Methylene Chloride	4.96	84	270241	58.466	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	260253	51.398	ug/l	94
22) Diisopropyl ether	6.37	45	735356	52.640	ug/l	97
23) Vinyl Acetate	6.31	43	2097128	256.406	ug/l	99
24) 1,1-Dichloroethane	6.27	63	450180	52.487	ug/l	97
25) 2-Butanone	7.22	43	322090	246.170	ug/l	98
26) 2,2-Dichloropropane	7.21	77	419994	53.985	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	280759	51.949	ug/l	98
28) Bromochloromethane	7.55	49	175813	51.255	ug/l	99
29) Tetrahydrofuran	7.57	42	189923	235.261	ug/l	100
30) Chloroform	7.71	83	458481	51.711	ug/l	99
31) Cyclohexane	7.98	56	416533	49.366	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	429164	52.031	ug/l	98
36) 1,1-Dichloropropene	8.11	75	375101	54.120	ug/l	99
37) Ethyl Acetate	7.30	43	137846	48.150	ug/l	99
38) Carbon Tetrachloride	8.10	117	400329	54.647	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	442159	54.567	ug/l	96
40) Benzene	8.36	78	1019533	53.410	ug/l	98
41) Methacrylonitrile	7.53	41	89986	58.348	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	294256	51.749	ug/l	100
43) Isopropyl Acetate	8.46	43	269394	49.538	ug/l	99
44) Trichloroethene	9.11	130	288837	54.065	ug/l	95
45) 1,2-Dichloropropane	9.39	63	244363	52.806	ug/l	100
46) Dibromomethane	9.48	93	127475	50.456	ug/l	99
47) Bromodichloromethane	9.67	83	349568	53.174	ug/l	100
48) Methyl methacrylate	9.46	41	127308	50.871	ug/l	98
49) 1,4-Dioxane	9.47	88	28438	970.538	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	666761	245.039	ug/l	100
52) Toluene	10.41	92	664249	53.973	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	329981	52.695	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	394095	53.751	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	170966	50.238	ug/l	96
56) Ethyl methacrylate	10.67	69	214957	52.821	ug/l	98
57) 1,3-Dichloropropane	10.95	76	306362	52.487	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	322019	238.180	ug/l	99
59) 2-Hexanone	10.99	43	494805	263.629	ug/l	100
60) Dibromochloromethane	11.14	129	230443	50.664	ug/l	97
61) 1,2-Dibromoethane	11.25	107	167520	51.122	ug/l	96
64) Tetrachloroethene	10.88	164	241138	52.850	ug/l	95
65) Chlorobenzene	11.67	112	684992	53.432	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	259808	53.887	ug/l	99
67) Ethyl Benzene	11.75	91	1262753	55.482	ug/l	98
68) m/p-Xylenes	11.86	106	986424	112.568	ug/l	99
69) o-Xylene	12.18	106	433978	55.802	ug/l	98
70) Styrene	12.20	104	769093	55.514	ug/l	98
71) Bromoform	12.37	173	136200	50.819	ug/l #	99
73) Isopropylbenzene	12.48	105	1199892	57.589	ug/l	100
74) N-amyl acetate	12.30	43	236989	50.831	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	176748	50.473	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	125043m	49.420	ug/l	
77) Bromobenzene	12.77	156	273044	53.560	ug/l	98
78) n-propylbenzene	12.83	91	1400077	56.504	ug/l	100
79) 2-Chlorotoluene	12.91	91	756341	55.642	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	965987	56.575	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	60295	50.883	ug/l	97
82) 4-Chlorotoluene	13.01	91	793749	55.062	ug/l	99
83) tert-Butylbenzene	13.23	119	810477	55.934	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	968922	56.017	ug/l	100
85) sec-Butylbenzene	13.41	105	1140194	55.575	ug/l	99
86) p-Isopropyltoluene	13.53	119	1088288	56.687	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	535835	54.781	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	514667	53.014	ug/l	100
89) n-Butylbenzene	13.86	91	984371	56.184	ug/l	98
90) Hexachloroethane	14.12	117	201583	54.449	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	440738	53.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27338	48.783	ug/l	98

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Instrument :
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ClientSampleId :
VSTDCCC050

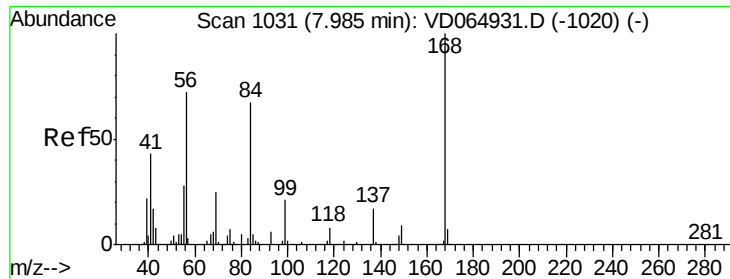
Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:06 AM

Quant Time: Jan 29 15:43:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	296828	51.668	ug/l	98
94) Hexachlorobutadiene	15.28	225	193663	53.296	ug/l	98
95) Naphthalene	15.41	128	483036	52.099	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	257842	51.764	ug/l	99

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



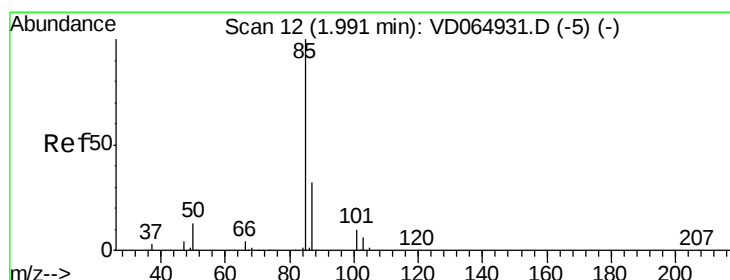
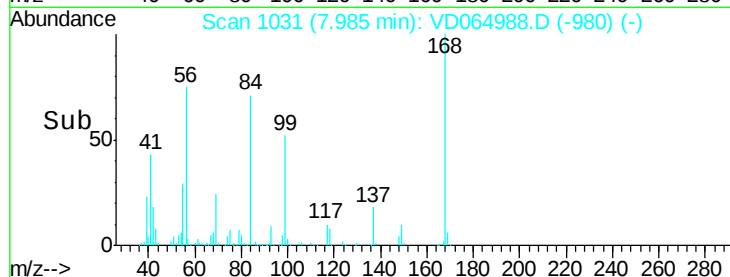
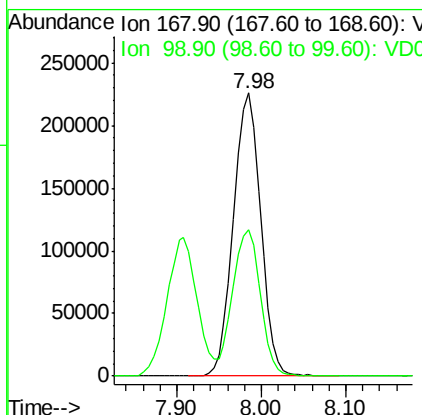
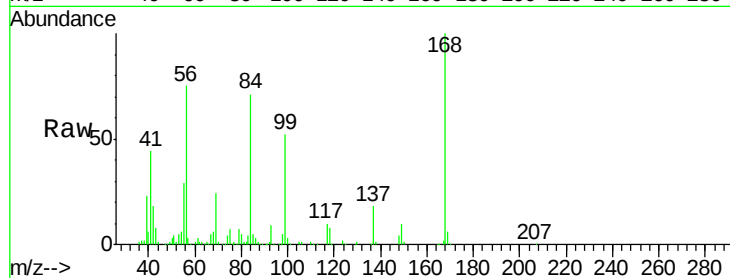
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.7	43.3	64.9

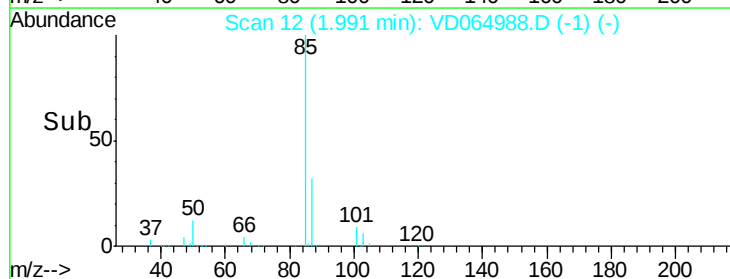
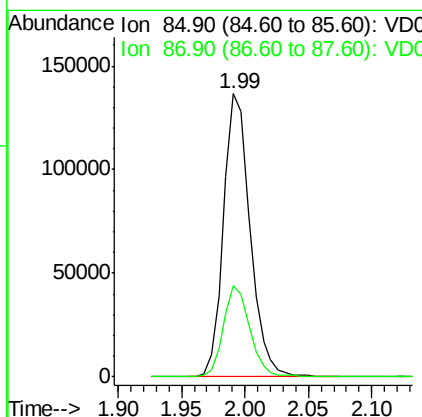
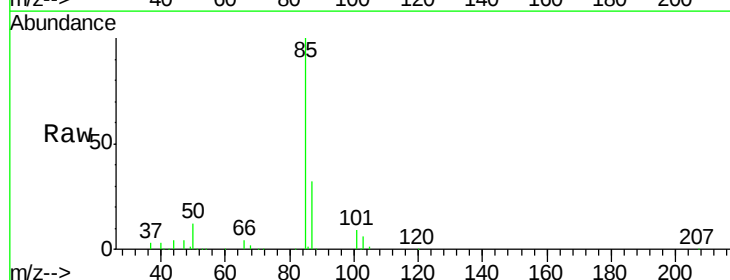
Manual Integrations
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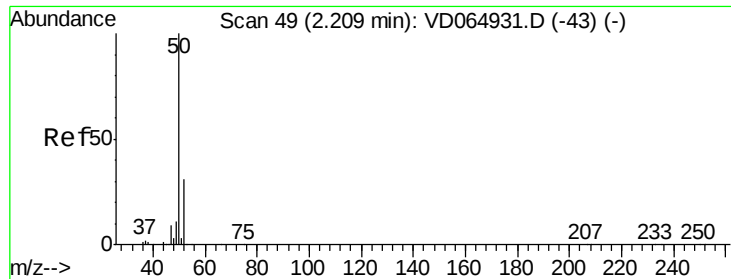
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#2
Dichlorodifluoromethane
Concen: 52.406 ug/l
RT: 1.99 min Scan# 12
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.8	47.3





#3

Chloromethane

Concen: 50.255 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 280153

Ion Ratio Lower Upper

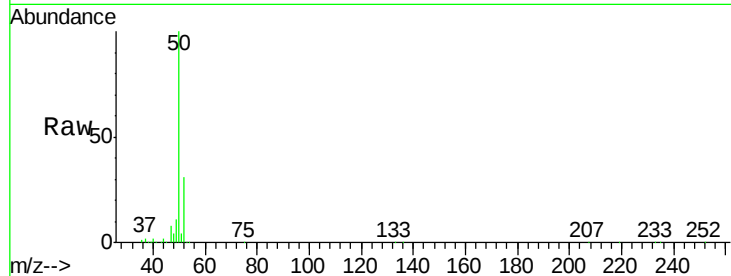
50 100

52 31.2 24.6 36.8

Manual Integrations
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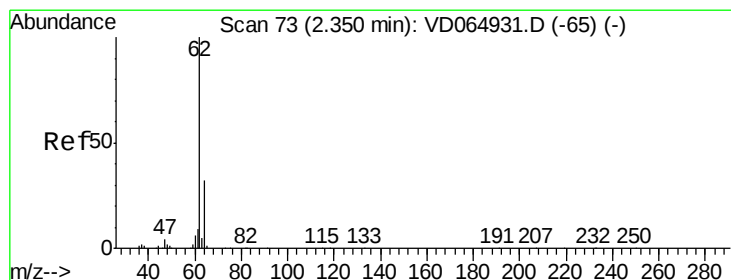
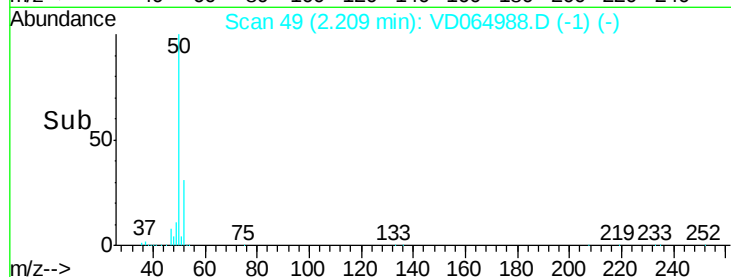
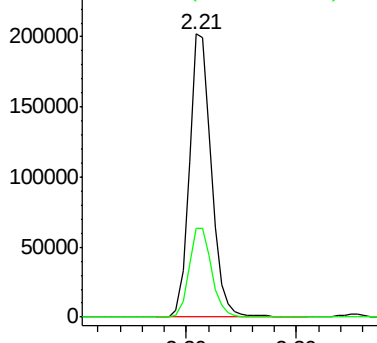
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.572 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064988.D

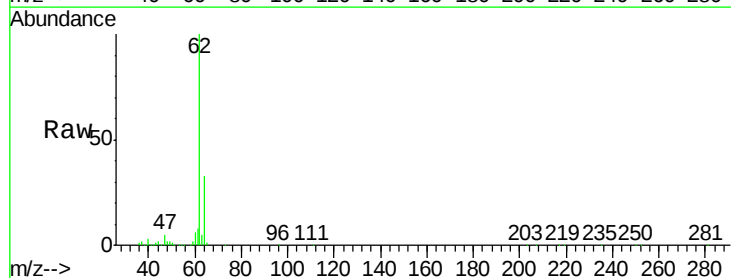
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Tgt Ion: 62 Resp: 323803

Ion Ratio Lower Upper

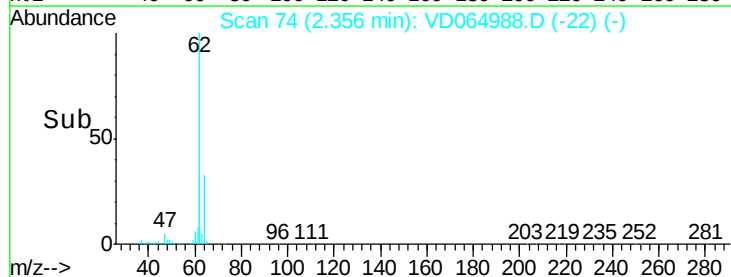
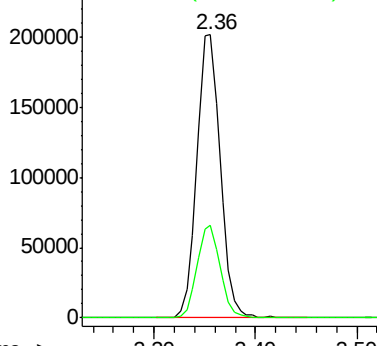
62 100

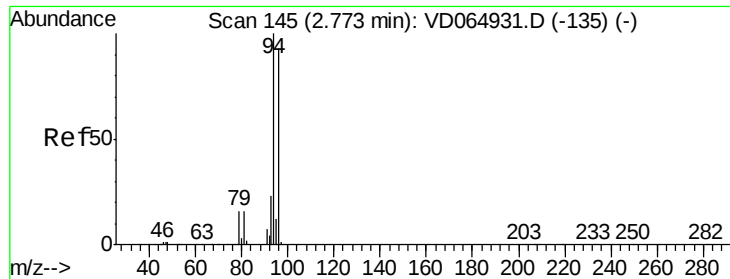
64 32.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.517 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 200350

Ion Ratio Lower Upper

94 100

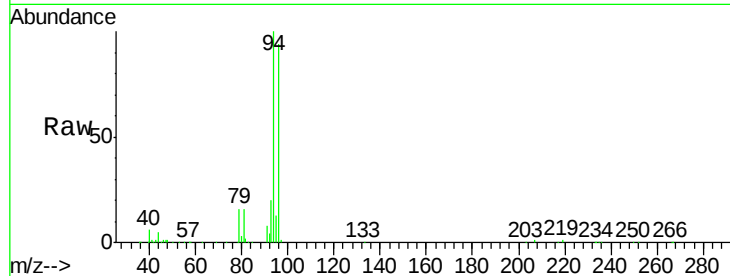
96 93.2 74.6 111.8

Manual Integrations

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1/30/2020 10:27:06 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

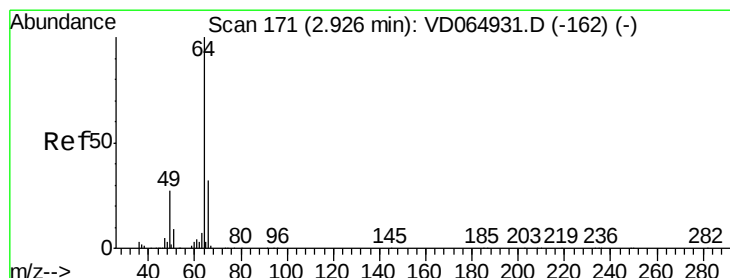
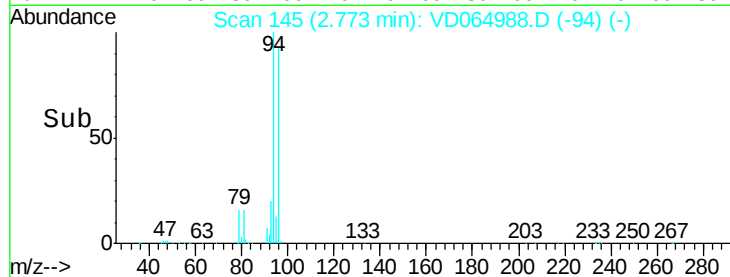
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 48.678 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064988.D

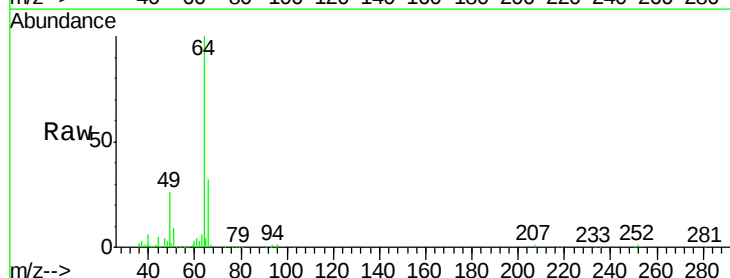
Acq: 29 Jan 2020 10:45

Tgt Ion: 64 Resp: 205477

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

120000

100000

80000

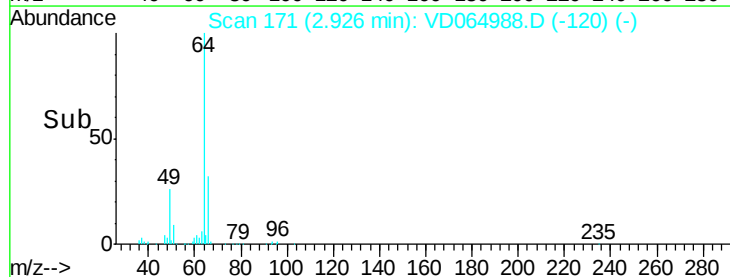
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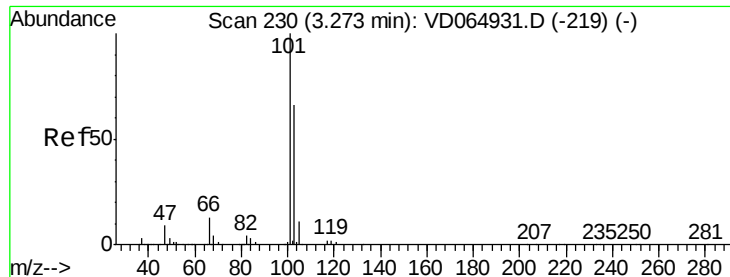
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Time-->





#7

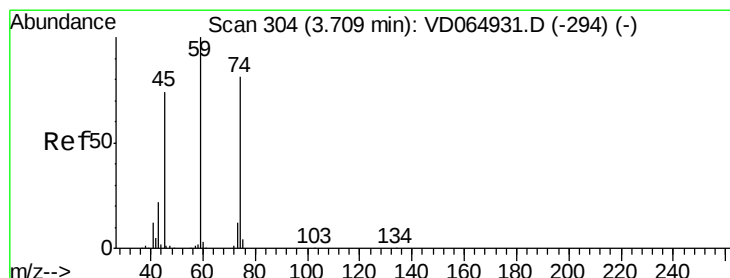
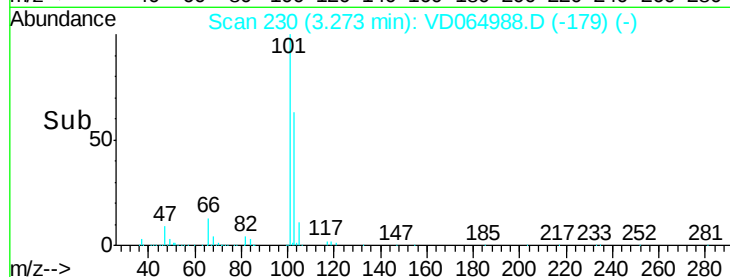
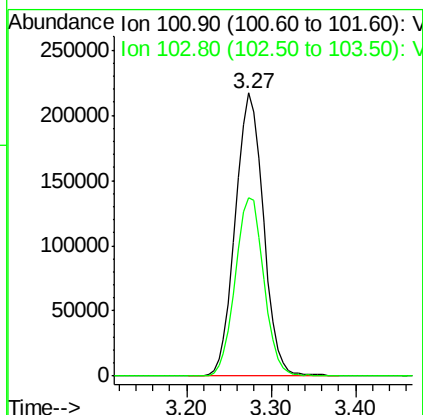
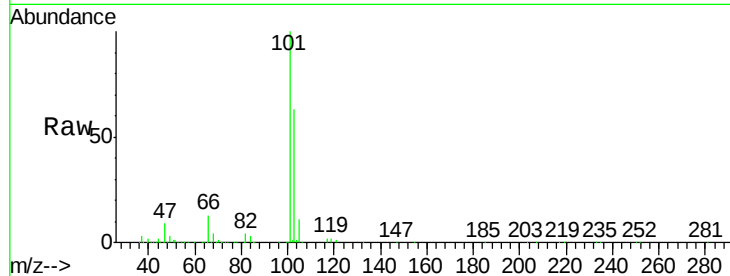
Trichlorofluoromethane
Concen: 50.532 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.5	78.7

Manual Integrations
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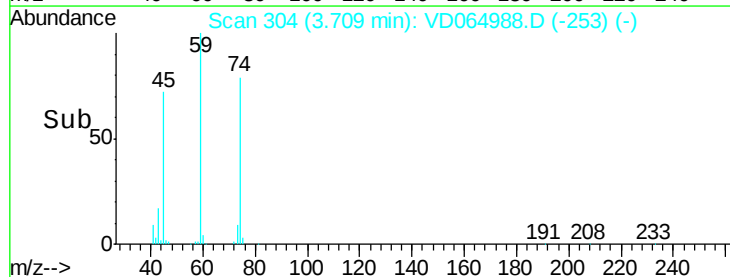
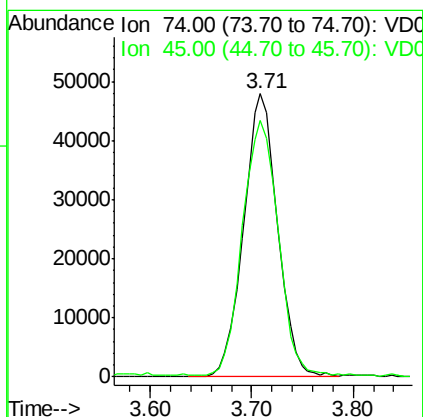
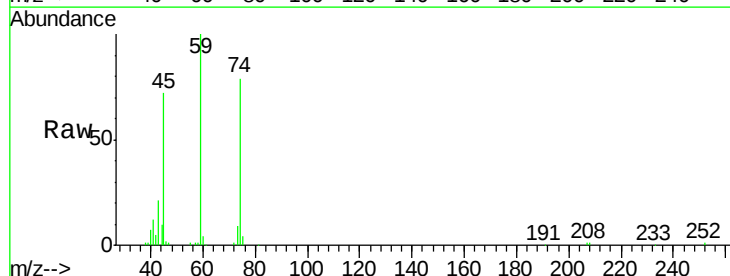
MMDadoda
1/30/2020 10:27:06 AM

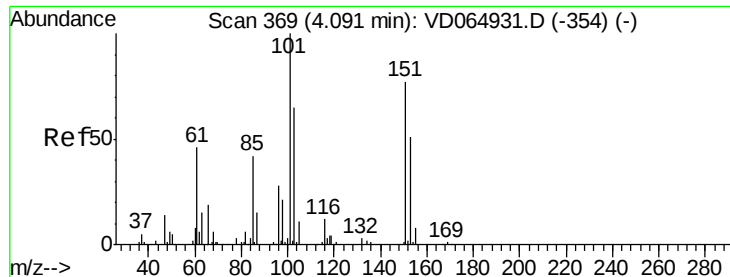


#8

Diethyl Ether
Concen: 49.761 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.166 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

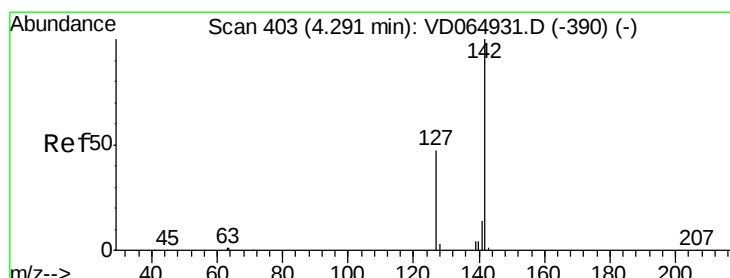
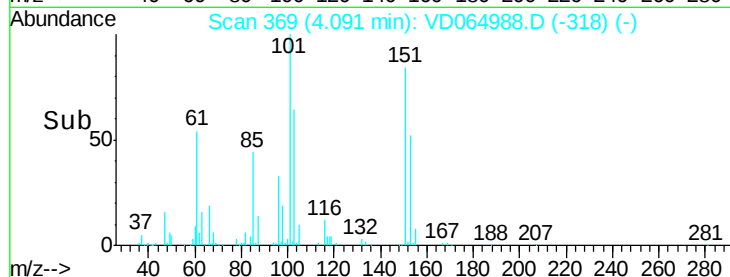
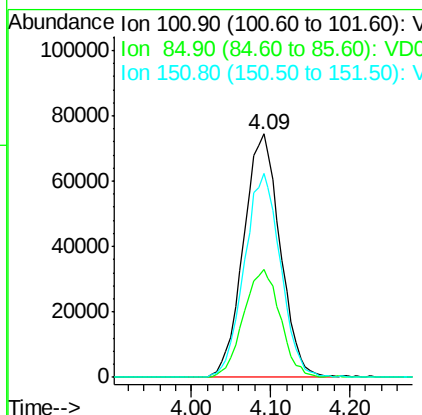
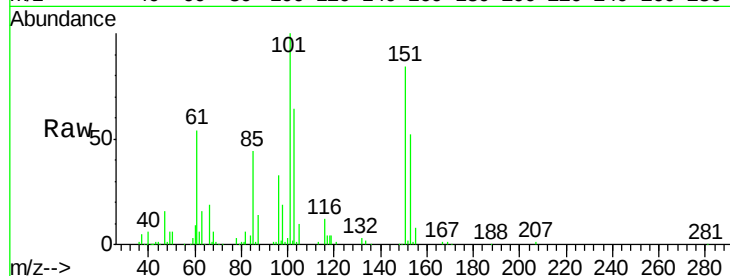
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	239989
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.0	52.4
151	82.9	64.6	96.8

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#10

Methyl Iodide

Concen: 53.052 ug/l

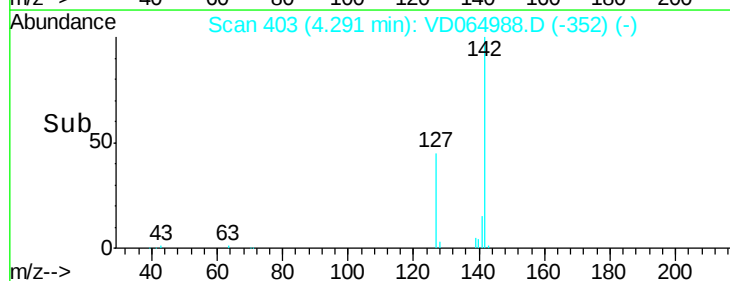
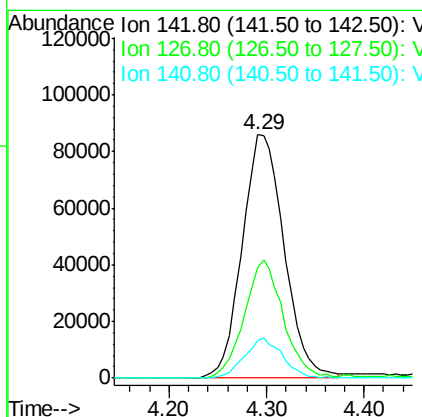
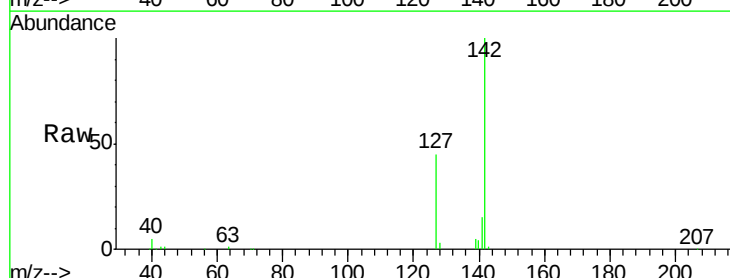
RT: 4.29 min Scan# 403

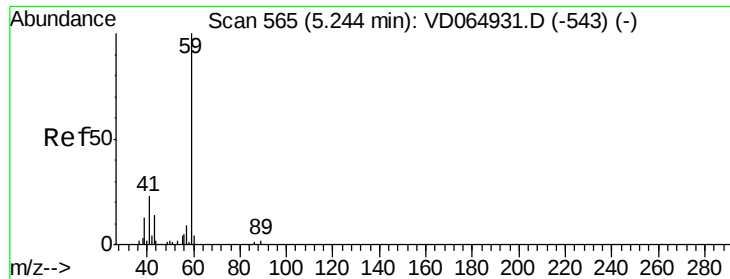
Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Tgt Ion:	142	Resp:	259072
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.2	54.2
141	15.0	11.6	17.4





#11

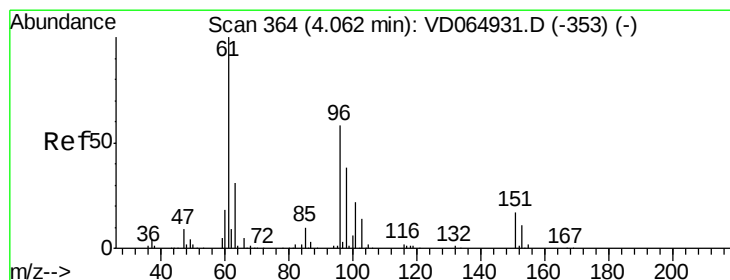
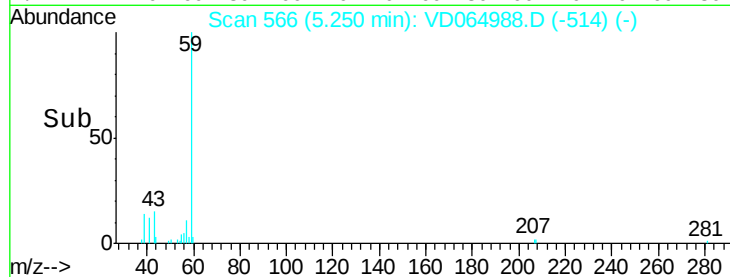
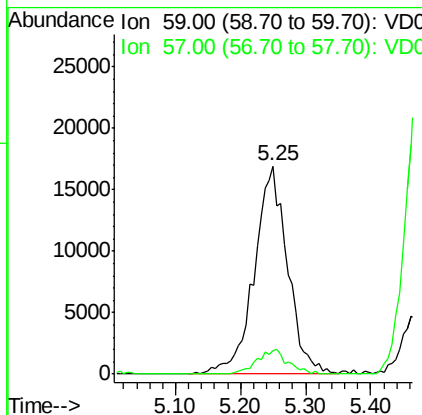
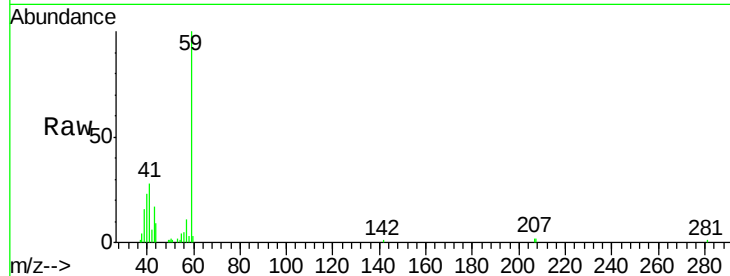
Tert butyl alcohol
 Concen: 223.703 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	59869
Ion Ratio	100	Lower	Upper
57	11.0	7.7	11.5

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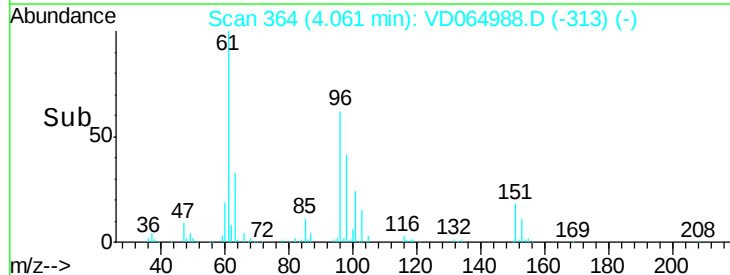
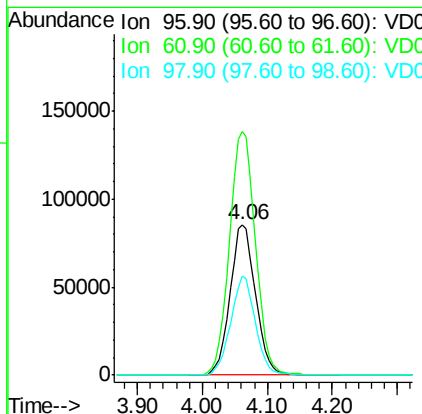
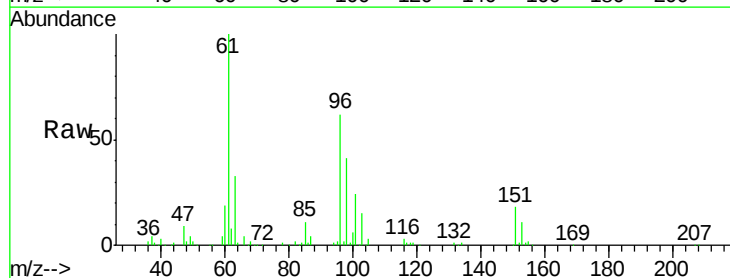
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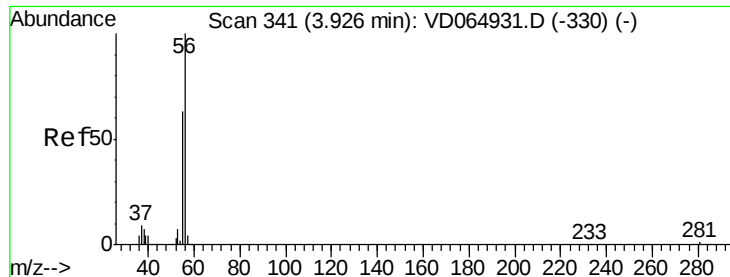


#12

1,1-Dichloroethene
 Concen: 52.462 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion	96	Resp	230568
Ion Ratio	100	Lower	Upper
61	161.9	137.0	205.4
98	66.2	52.1	78.1





#13

Acrolein

Concen: 274.573 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 92119

Ion Ratio Lower Upper

56 100

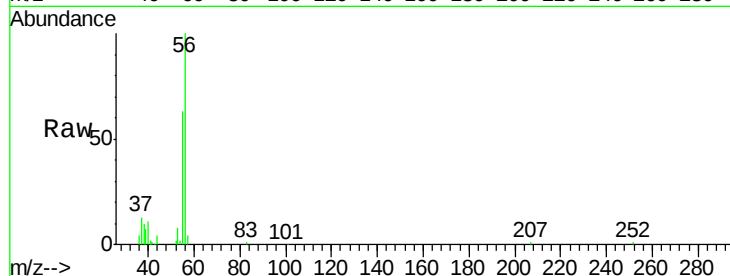
55 69.8 59.7 89.5

Manual Integrations

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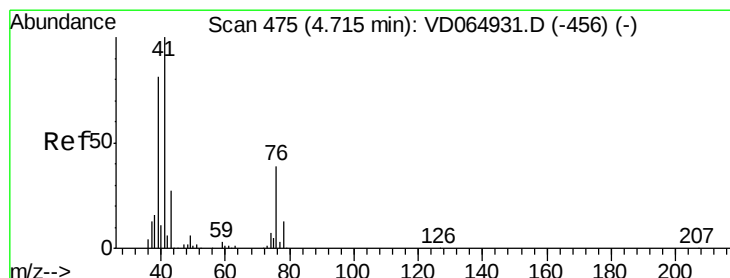
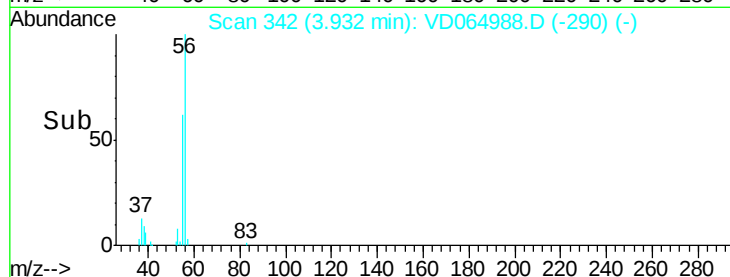
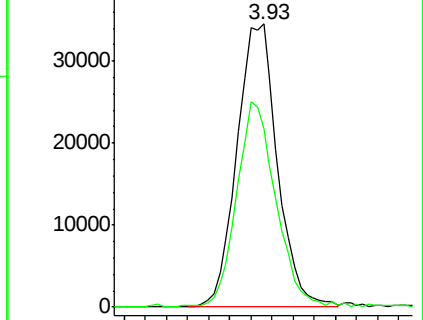
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.007 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

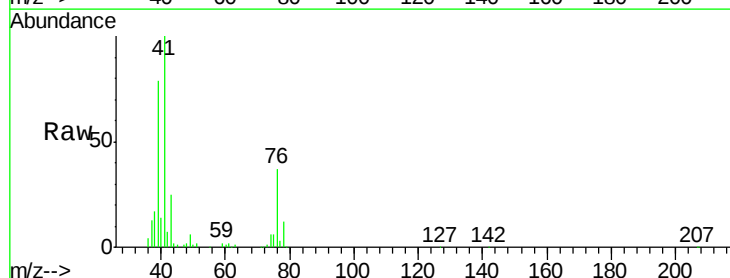
Tgt Ion: 41 Resp: 371553

Ion Ratio Lower Upper

41 100

39 77.4 62.0 93.0

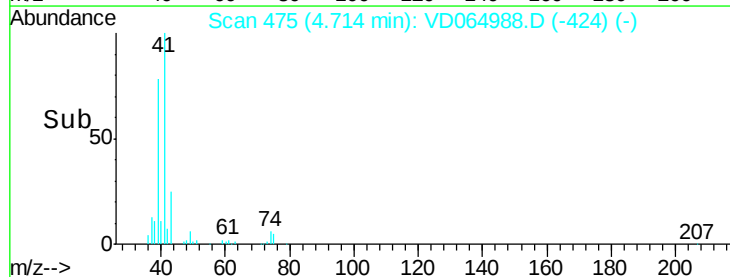
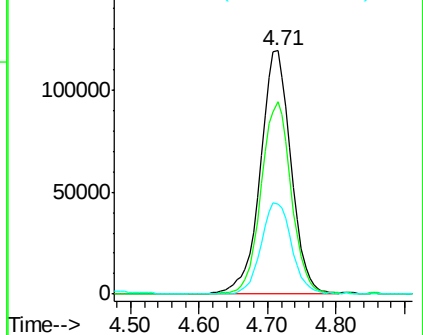
76 36.9 29.3 43.9

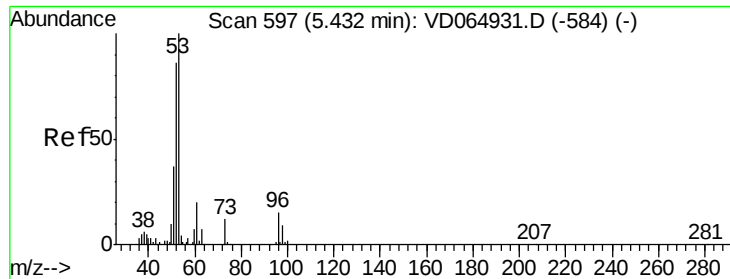


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 242.693 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

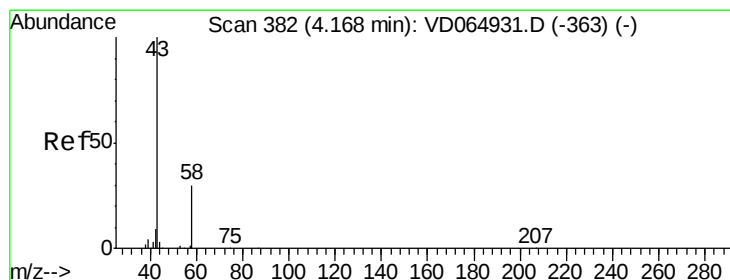
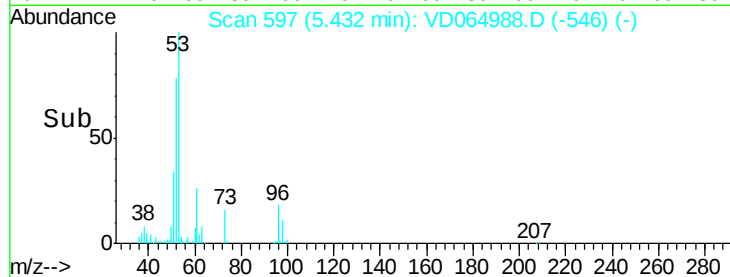
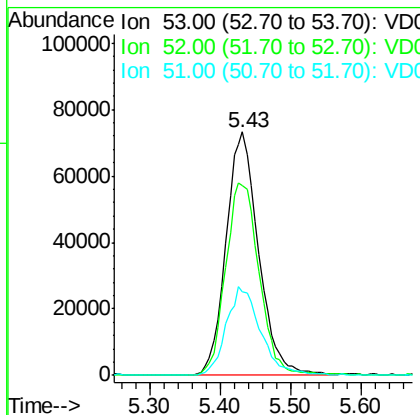
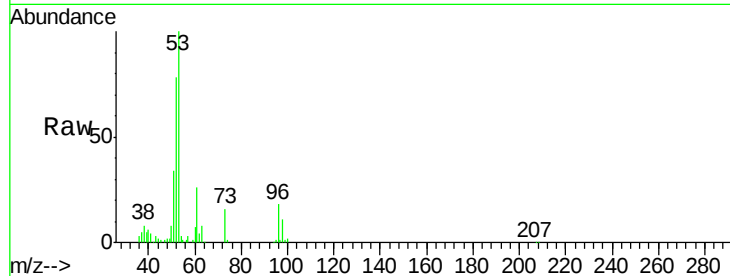
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	234605
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.7	100.1
51	38.3	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 242.373 ug/l

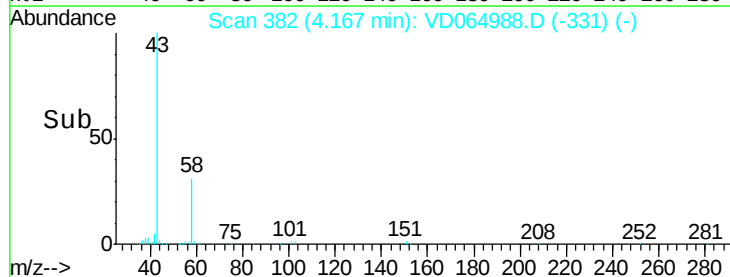
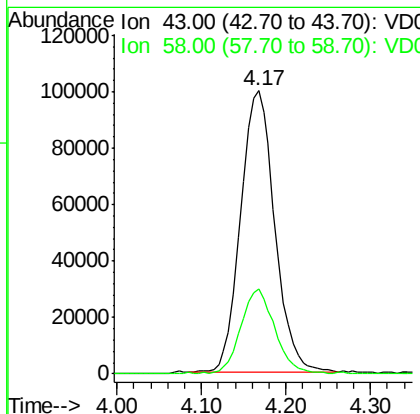
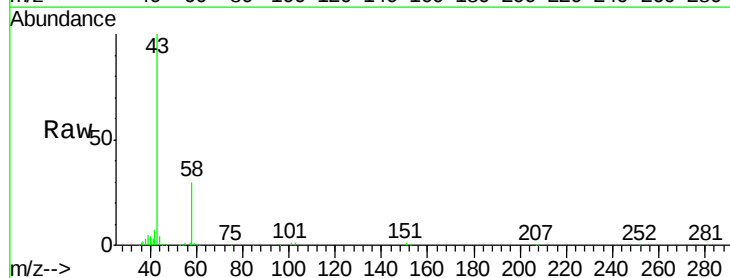
RT: 4.17 min Scan# 382

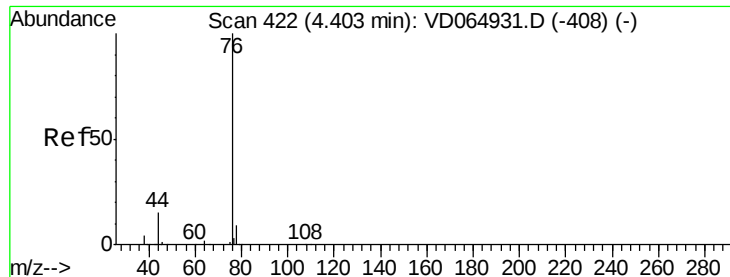
Delta R.T. 0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Tgt Ion:	43	Resp:	278743
Ion Ratio	Lower	Upper	
43	100		
58	29.9	23.8	35.8





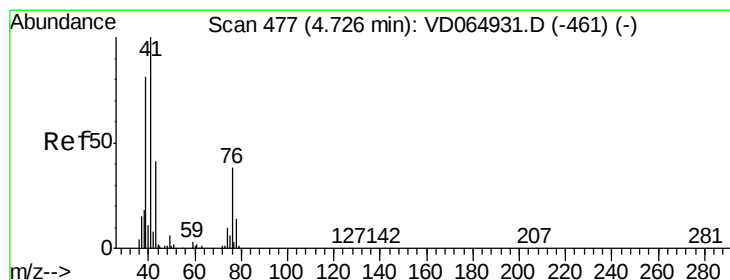
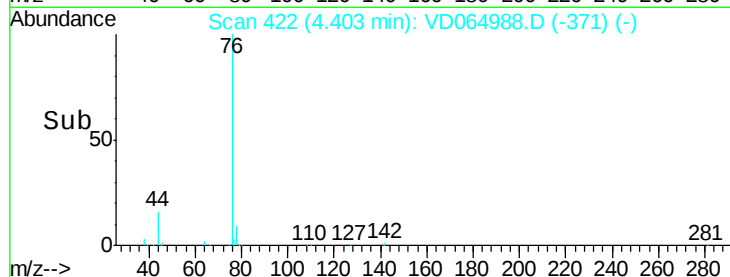
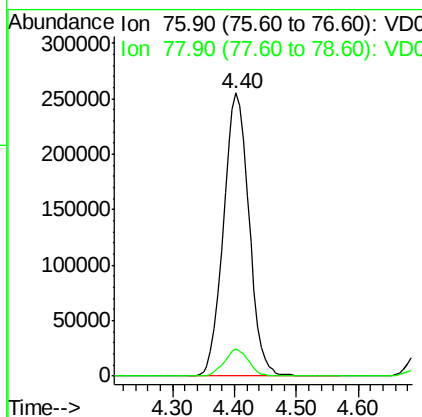
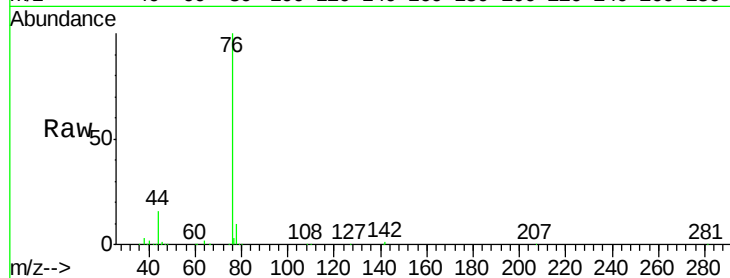
#17
Carbon Disulfide
Concen: 50.783 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.1	10.7

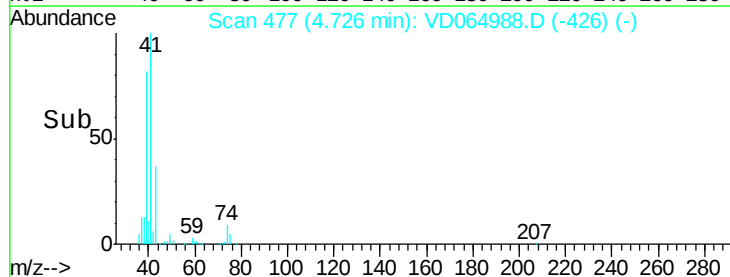
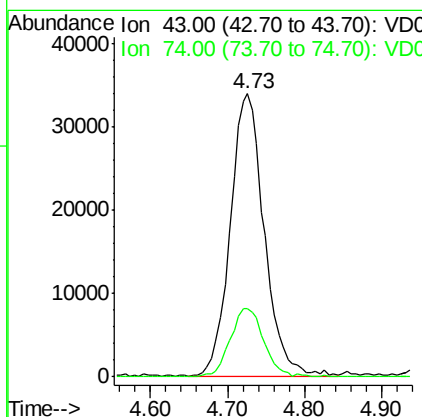
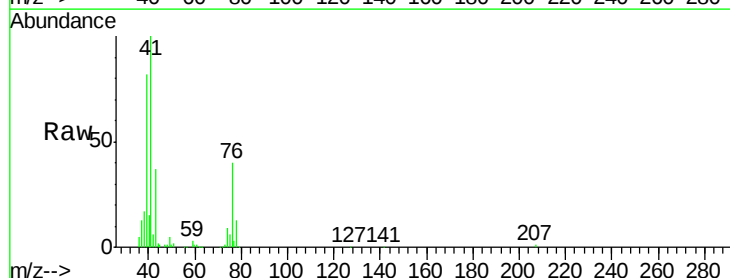
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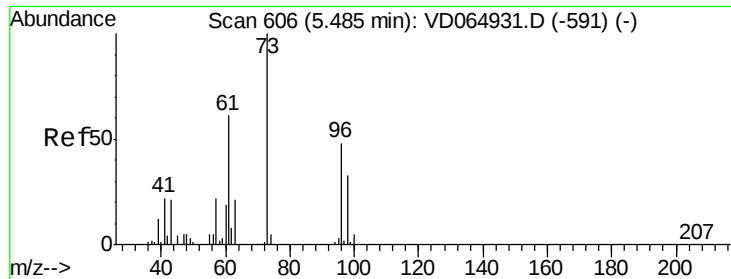
MMDadoda
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#18
Methyl Acetate
Concen: 46.477 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.1	28.7





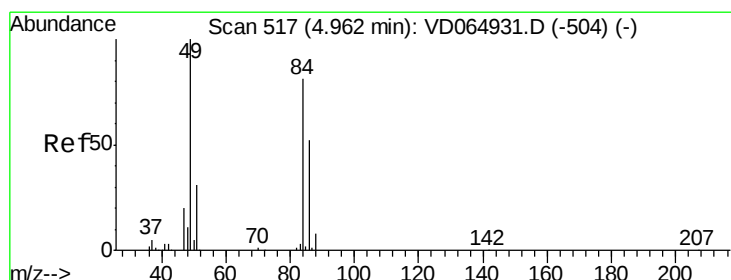
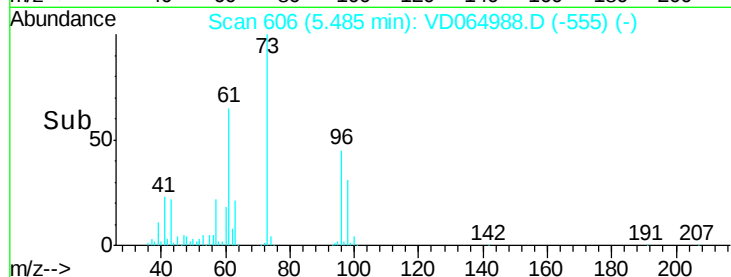
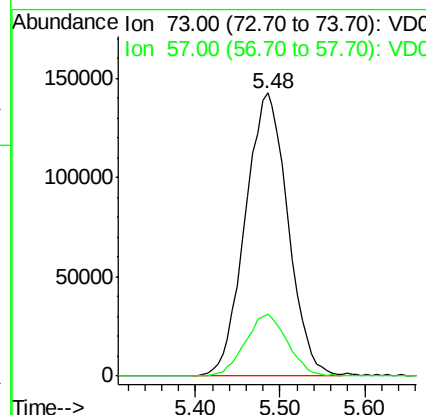
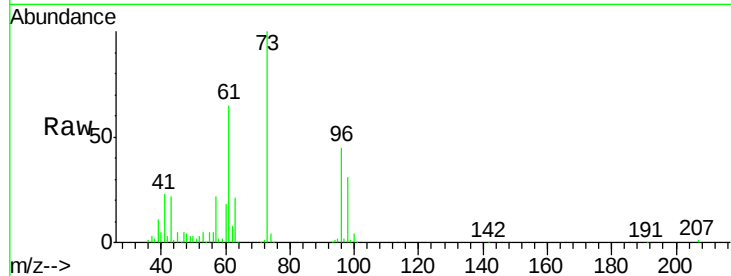
#19
Methvl tert-butvl Ether
Concen: 50.982 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 500646
Ion Ratio Lower Upper
73 100
57 21.7 17.9 26.9

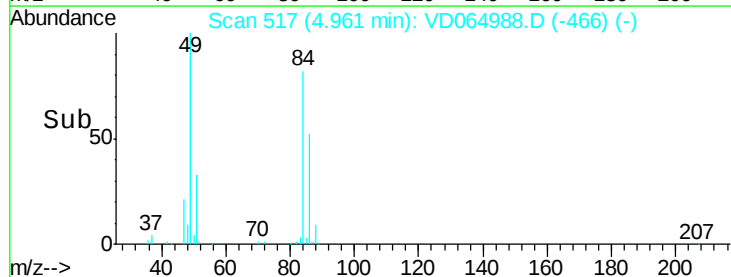
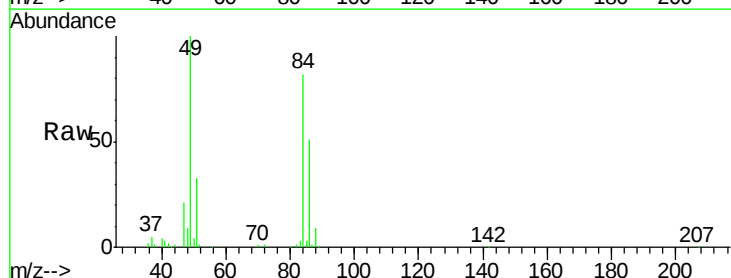
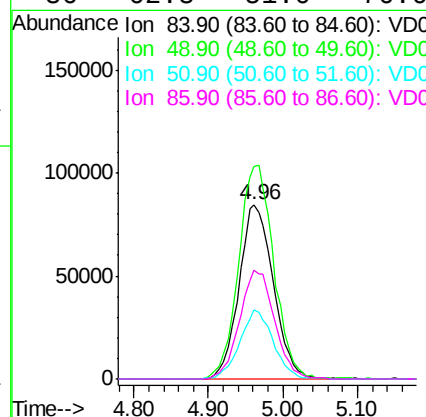
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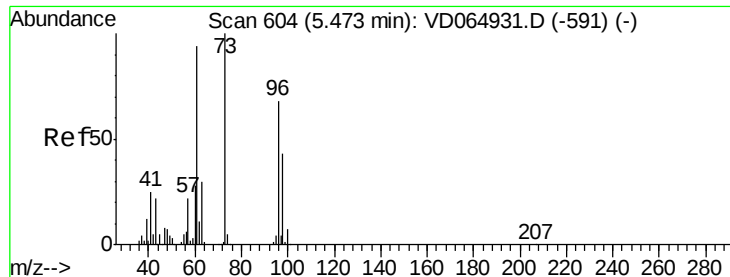
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#20
Methylene Chloride
Concen: 58.466 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 84 Resp: 270241
Ion Ratio Lower Upper
84 100
49 122.2 98.4 147.6
51 39.8 30.8 46.2
86 62.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.398 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

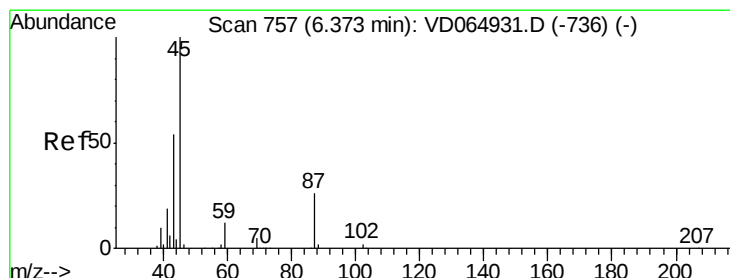
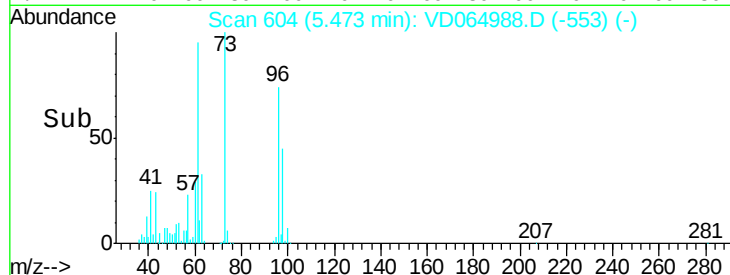
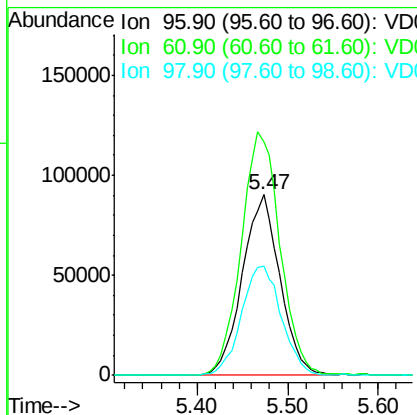
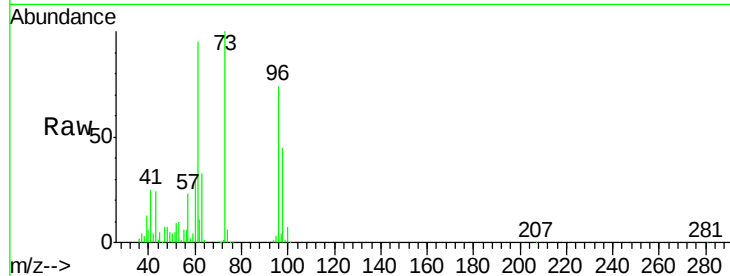
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	260253
Ion	Ratio	Lower	Upper
96	100		
61	128.8	110.4	165.6
98	60.6	50.5	75.7

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#22

Diisopropyl ether

Concen: 52.640 ug/l

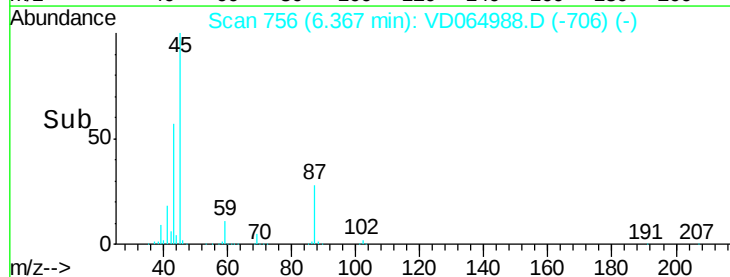
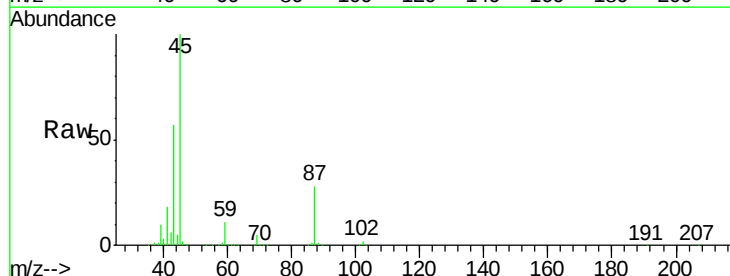
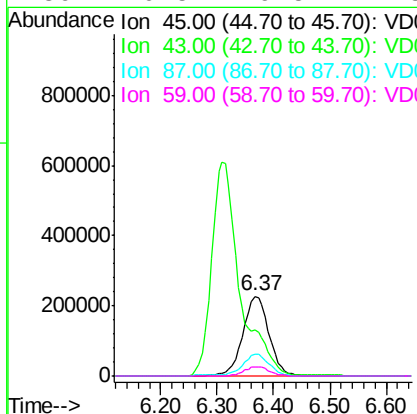
RT: 6.37 min Scan# 756

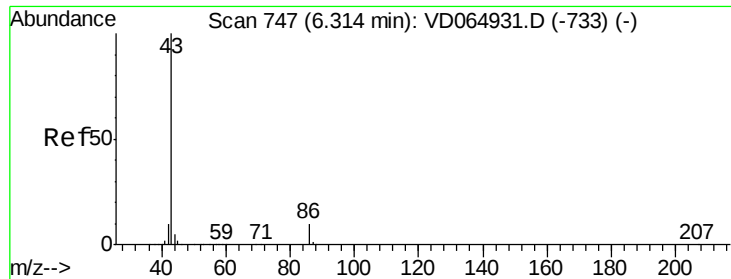
Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Tgt Ion:	45	Resp:	735356
Ion	Ratio	Lower	Upper
45	100		
43	56.6	43.1	64.7
87	27.5	21.4	32.2
59	10.5	9.5	14.3





#23

Vinyl Acetate

Concen: 256.406 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2097128

Ion Ratio Lower Upper

43 100

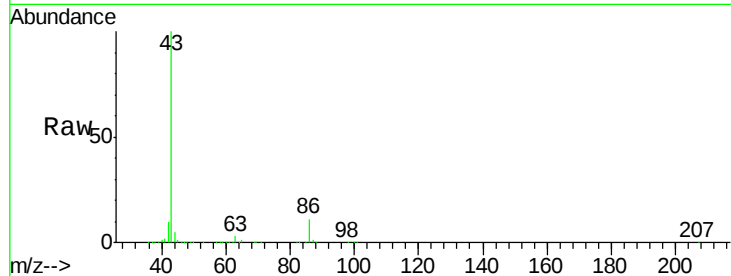
86 10.7 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

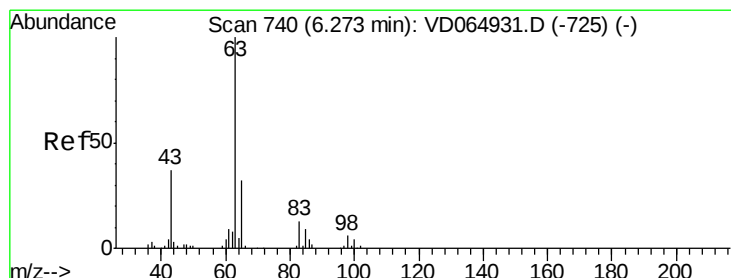
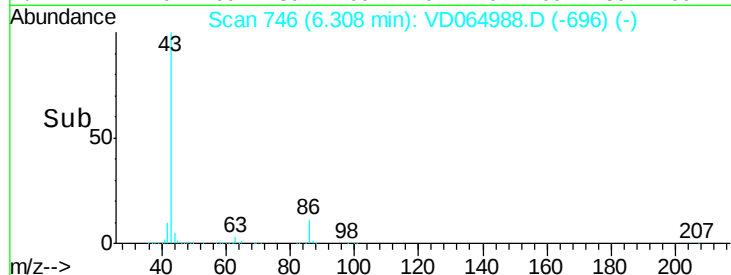
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 52.487 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

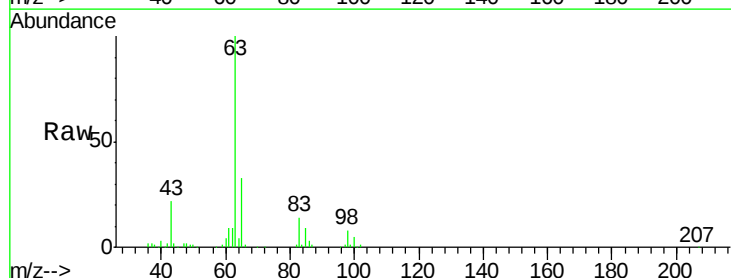
Tgt Ion: 63 Resp: 450180

Ion Ratio Lower Upper

63 100

98 7.6 3.1 9.3

100 4.8 2.3 6.8



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

200000

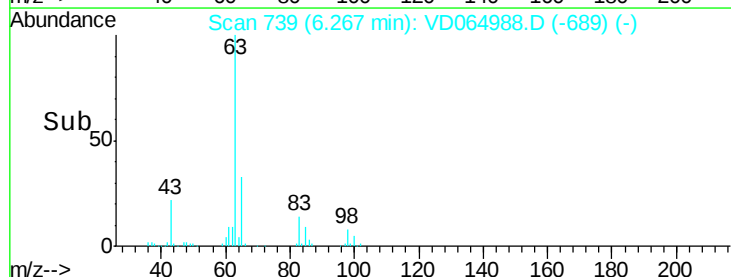
150000

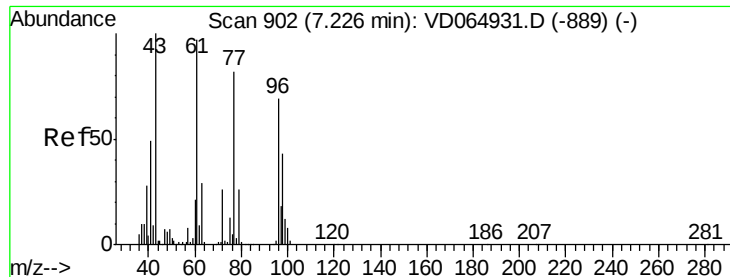
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 246.170 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 322090

Ion Ratio Lower Upper

43 100

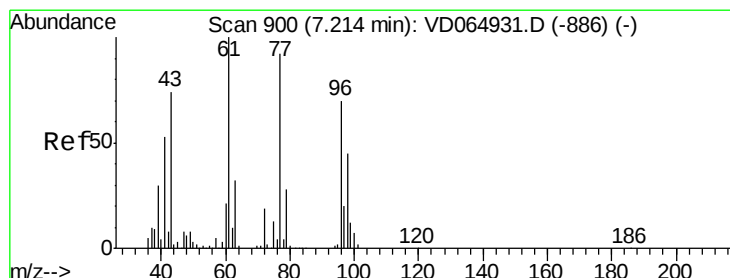
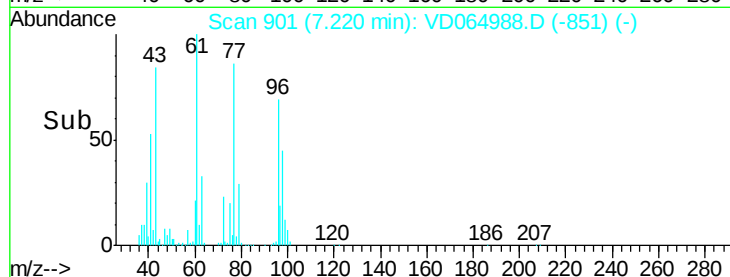
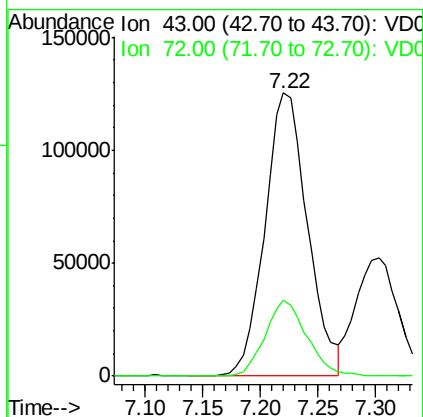
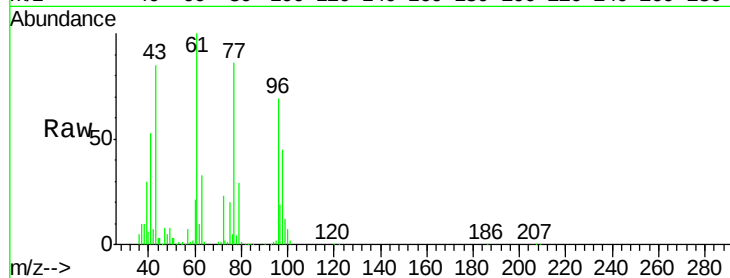
72 26.9 20.6 31.0

Manual Integrations

APPROVED

MMDadoda

1/30/2020 10:27:06 AM



#26

2,2-Dichloropropane

Concen: 53.985 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064988.D

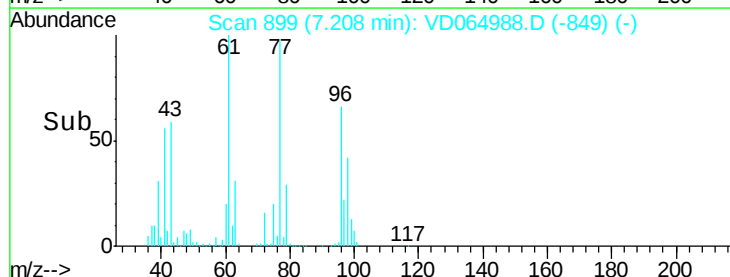
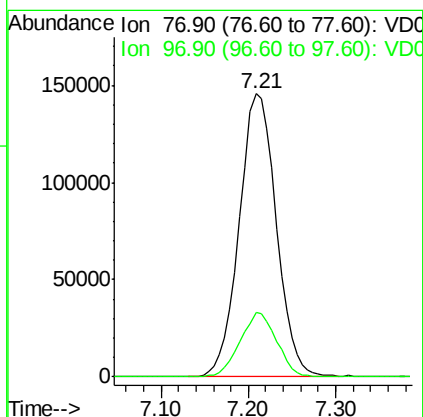
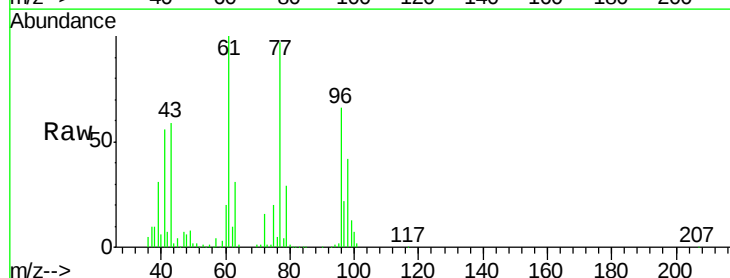
Acq: 29 Jan 2020 10:45

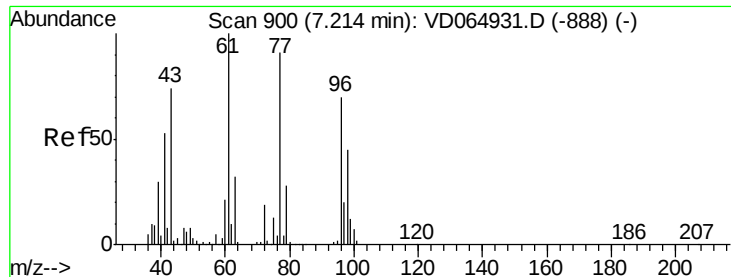
Tgt Ion: 77 Resp: 419994

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.2





#27

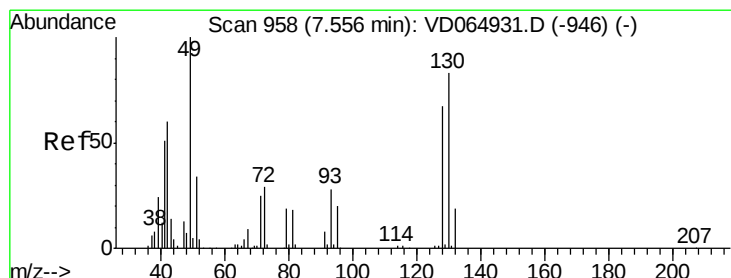
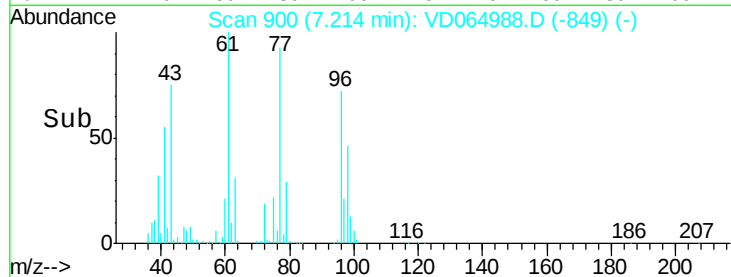
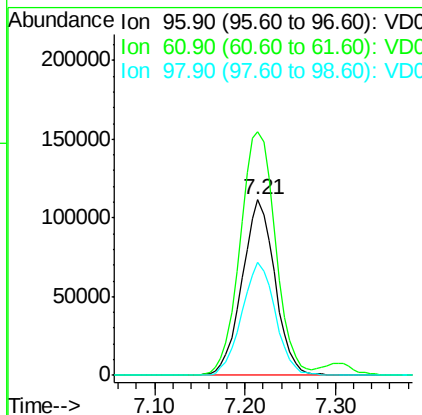
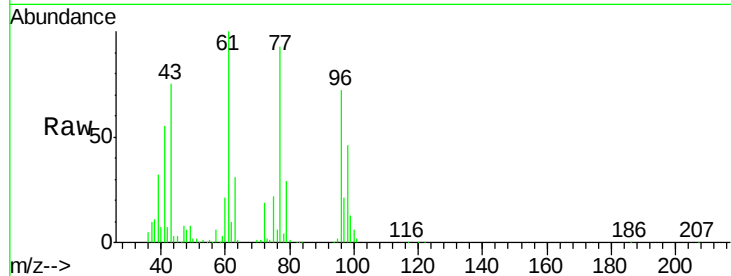
cis-1,2-Dichloroethene
 Concen: 51.949 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	280759		
61	149.5		0.0	292.8
98	66.0		0.0	130.0

Manual Integrations
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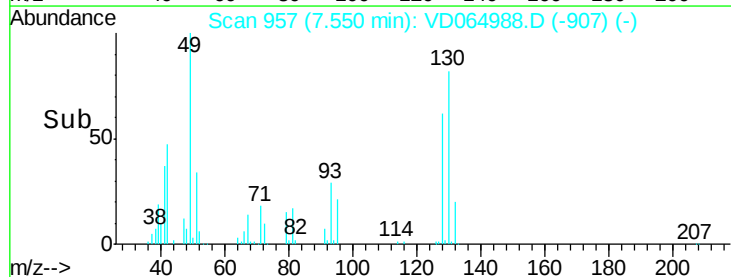
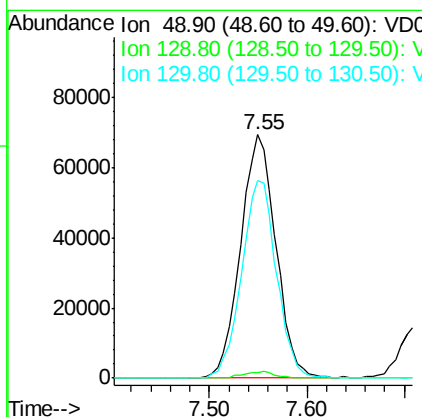
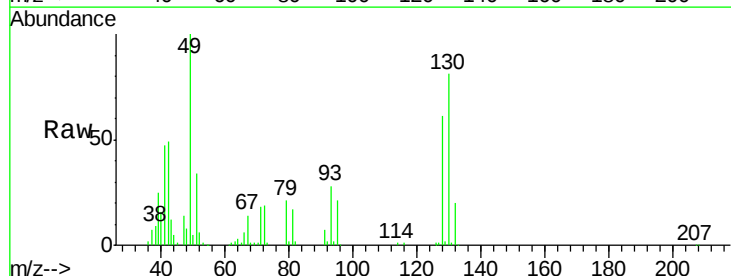
MMDadoda
 1/30/2020 10:27:06 AM

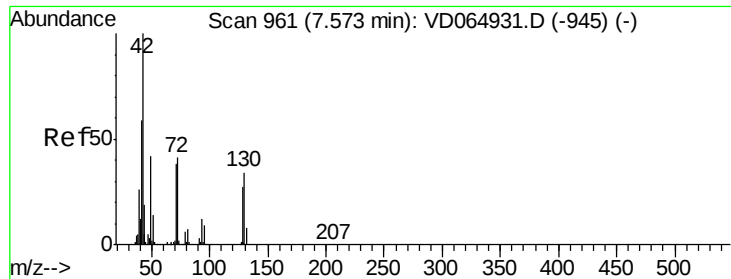


#28

Bromochloromethane
 Concen: 51.255 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	175813		
129	2.4		0.0	4.4
130	80.2		63.8	95.8





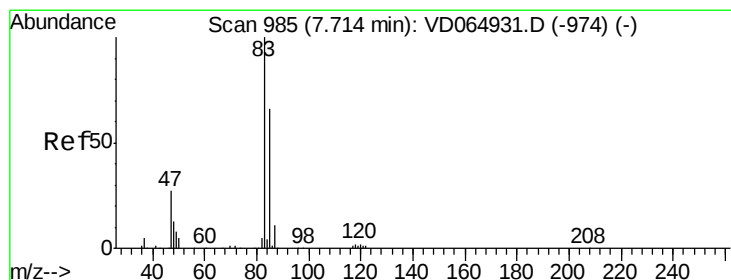
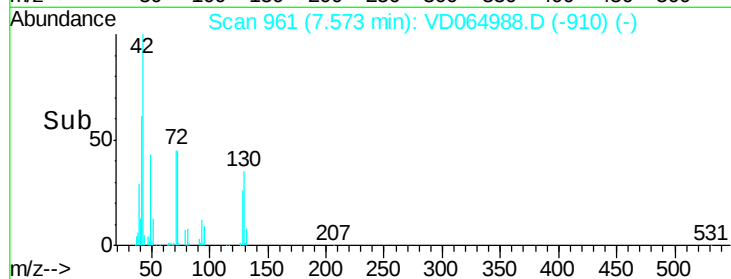
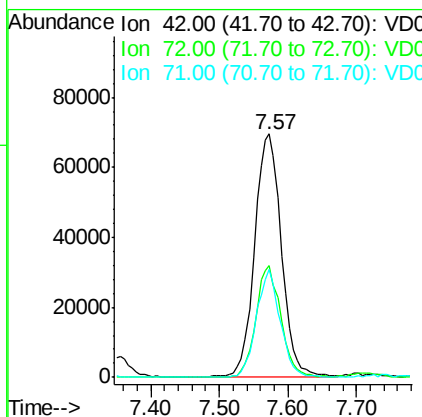
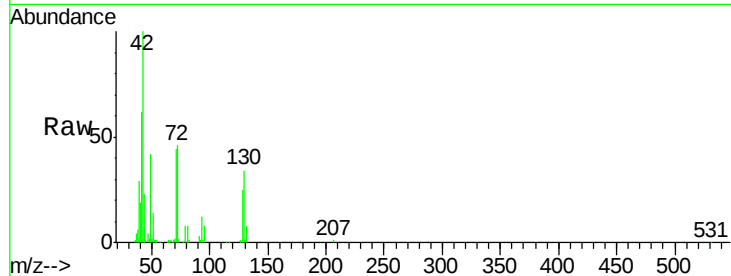
#29
Tetrahydrofuran
Concen: 235.261 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.0	51.0
71	39.3	31.5	47.3

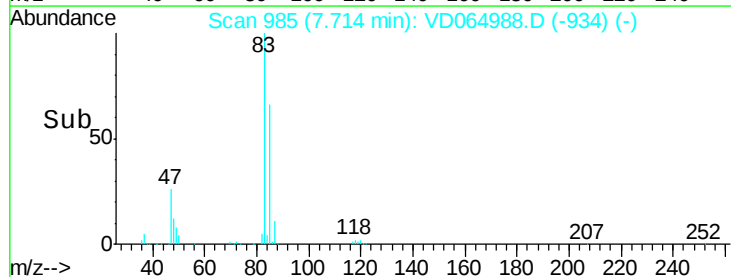
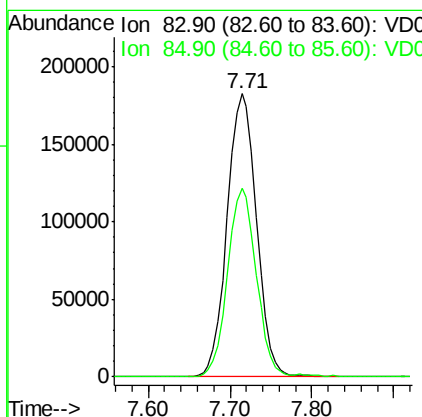
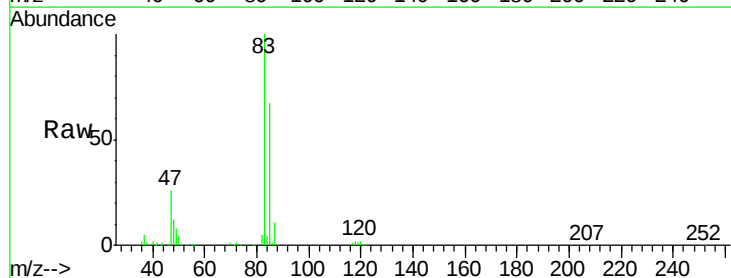
Manual Integrations
APPROVED

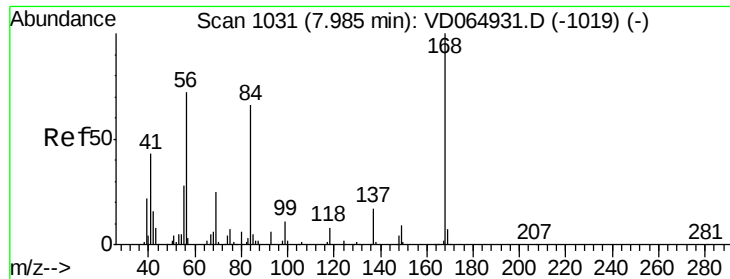
MMDadoda
1/30/2020 10:27:06 AM



#30
Chloroform
Concen: 51.711 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.4	78.6





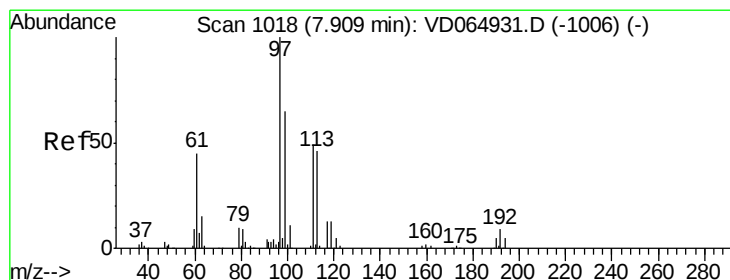
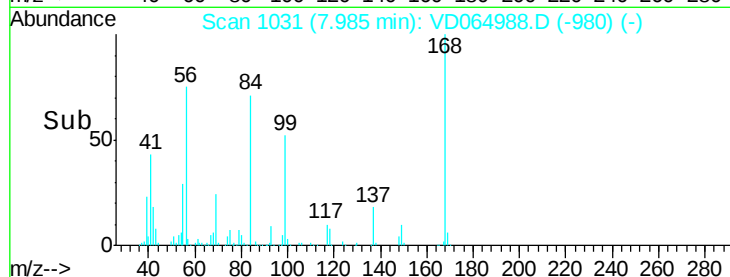
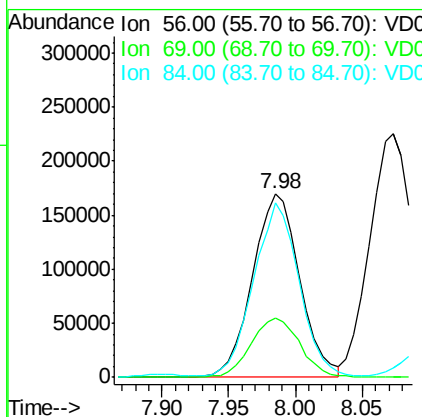
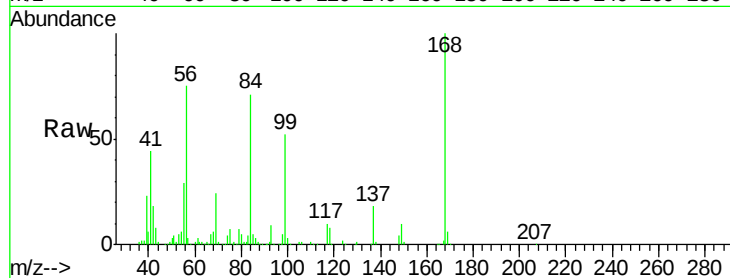
#31
Cyclohexane
Concen: 49.366 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	27.9	41.9
84	93.4	72.8	109.2

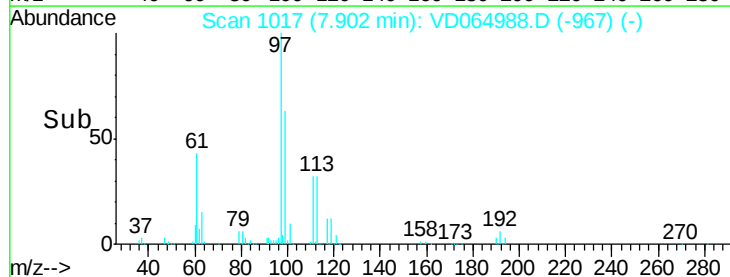
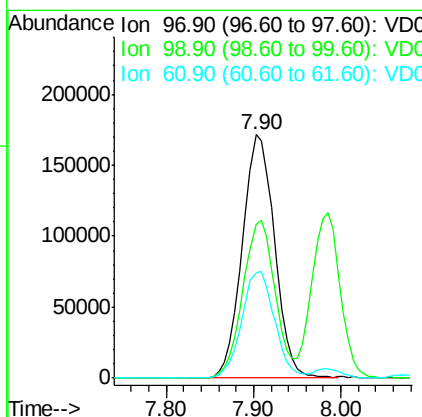
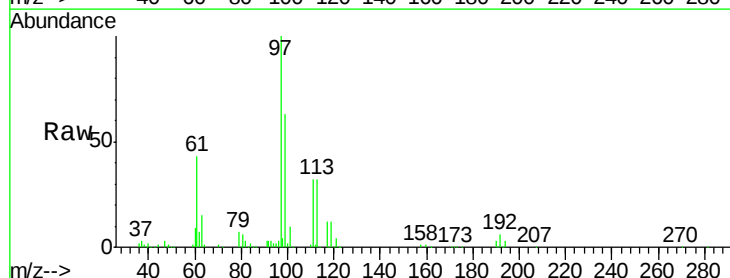
Manual Integrations
APPROVED

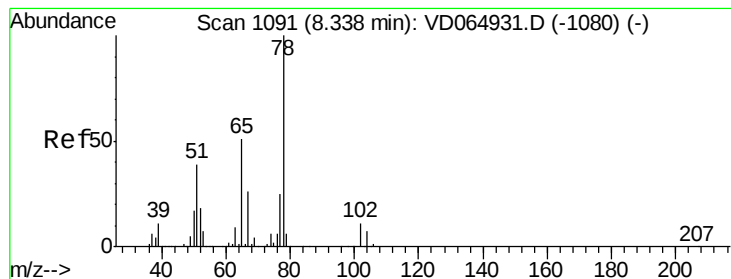
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.031 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	50.6	76.0
61	44.6	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 47.481 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 229951

Ion Ratio Lower Upper

65 100

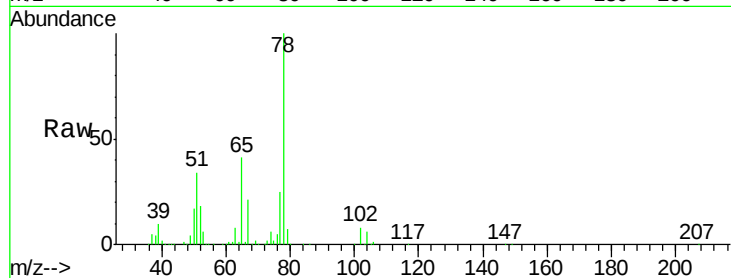
67 51.3 0.0 103.6

Manual Integrations

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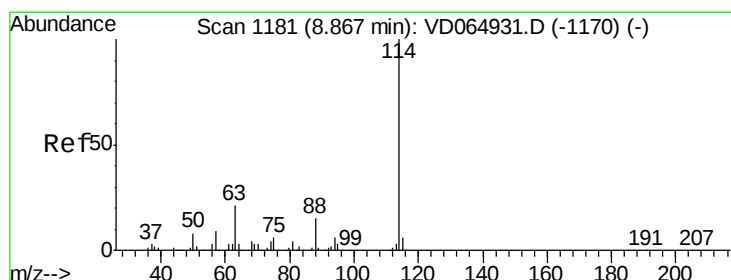
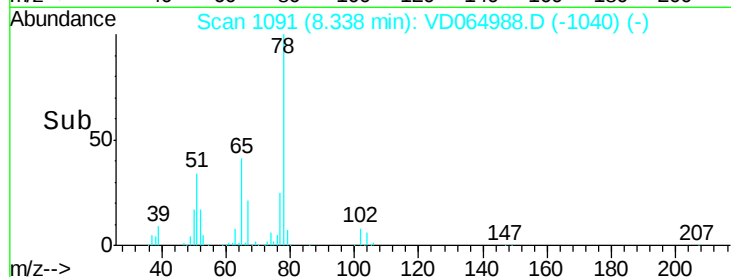
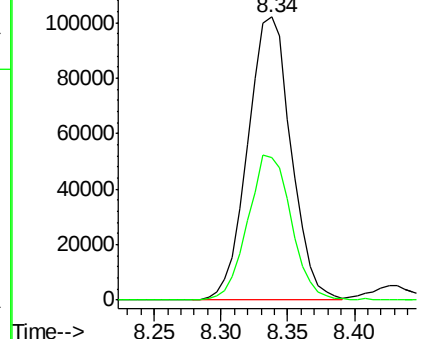
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

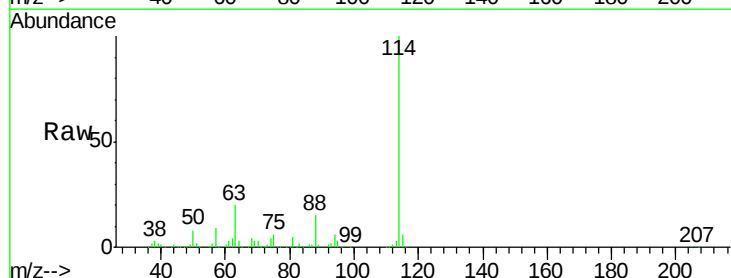
Tgt Ion: 114 Resp: 718765

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.0

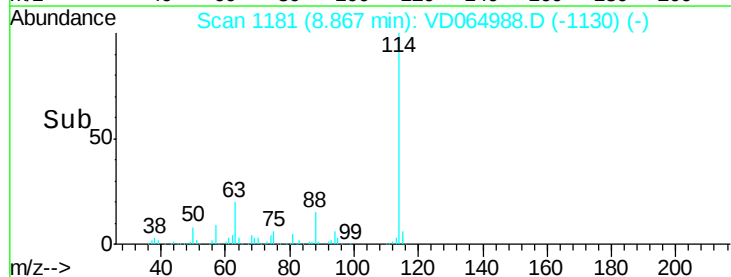
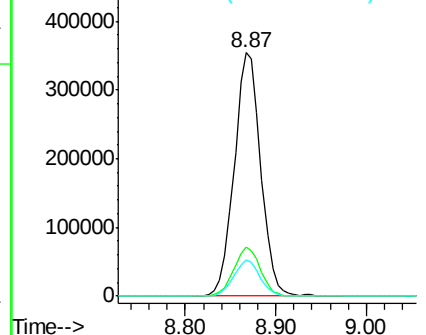
88 14.8 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





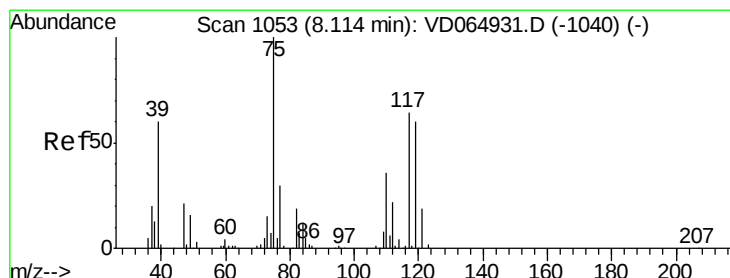
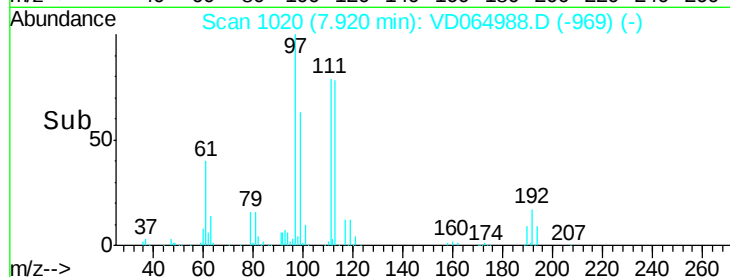
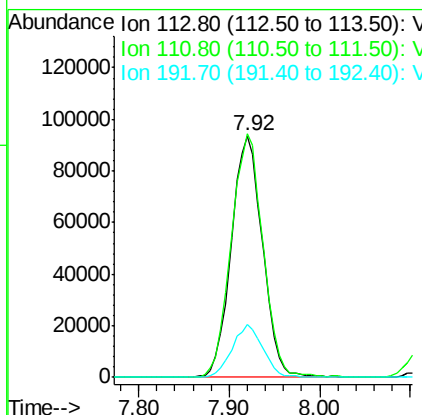
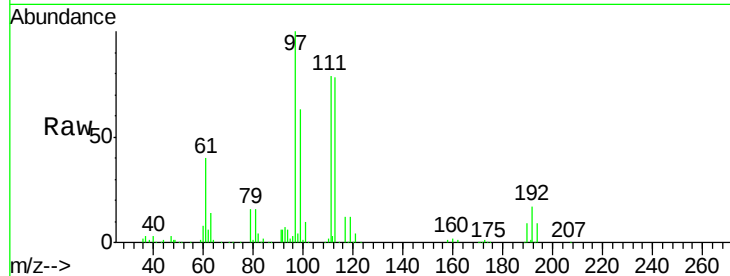
#35
Dibromofluoromethane
Concen: 49.617 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	224109		
111	102.9	82.4	123.6	
192	21.4	16.9	25.3	

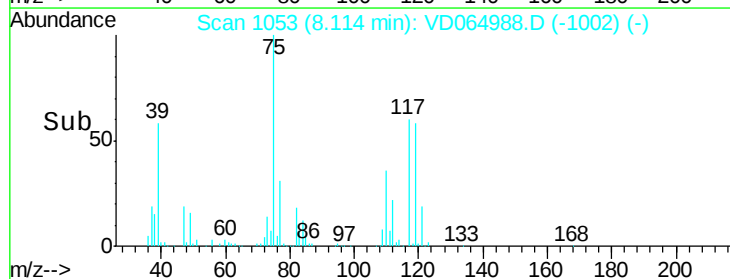
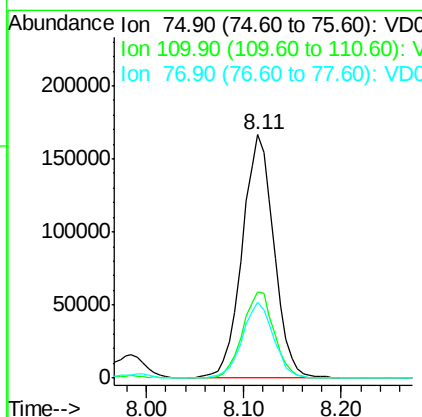
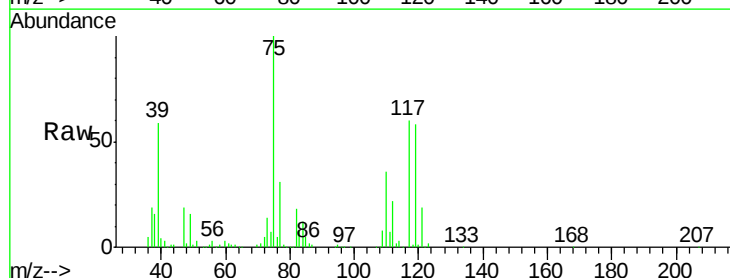
Manual Integrations
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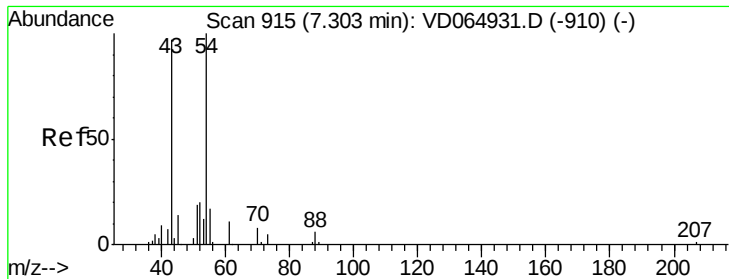
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#36
1,1-Dichloropropene
Concen: 54.120 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	375101		
110	35.3	17.3	52.0	
77	30.9	24.7	37.1	





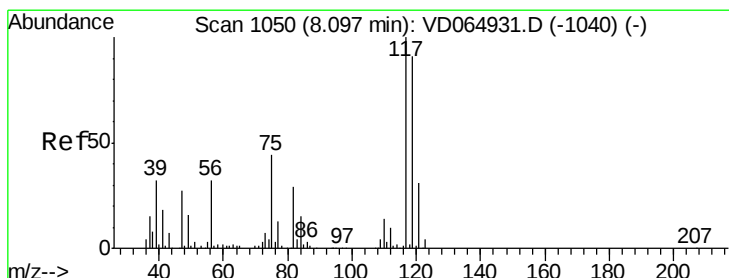
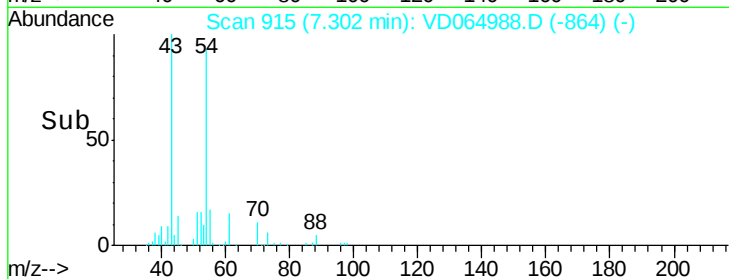
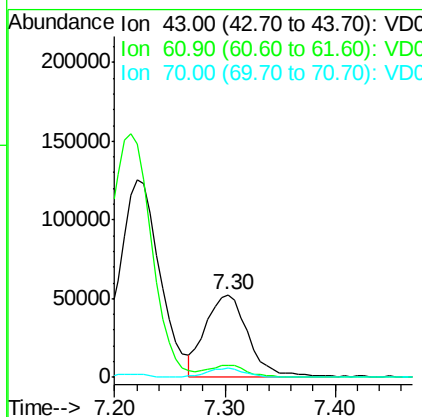
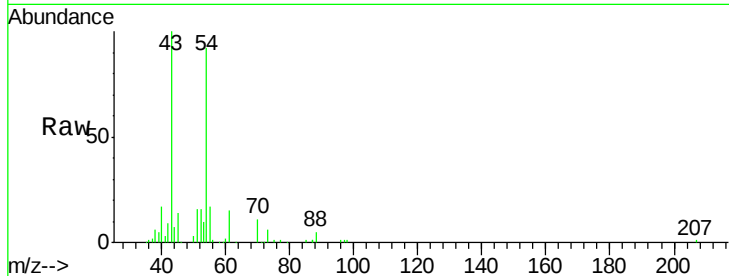
#37
Ethyl Acetate
Concen: 48.150 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	10.3	7.5	11.3

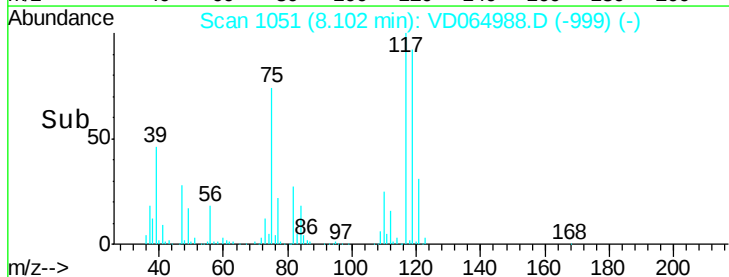
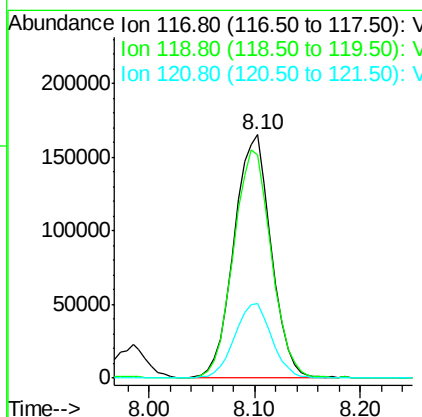
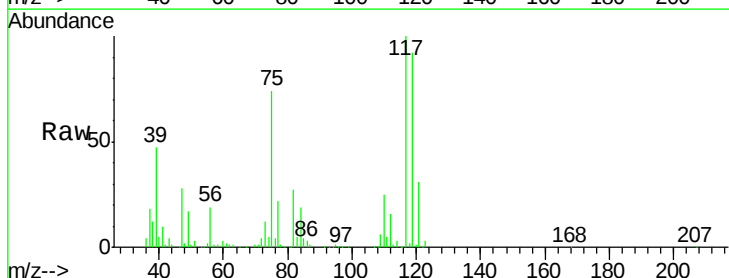
Manual Integrations
APPROVED

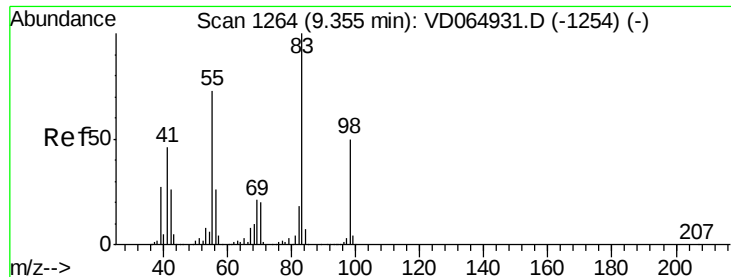
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#38
Carbon Tetrachloride
Concen: 54.647 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	73.2	109.8
121	30.7	24.4	36.6





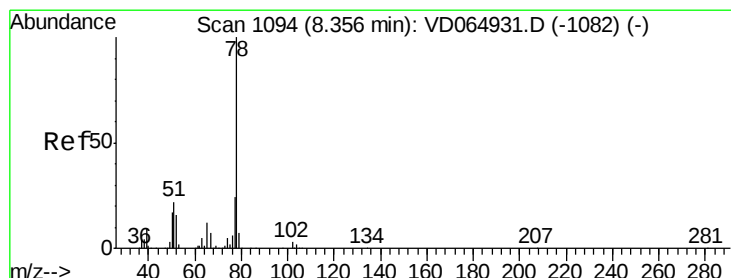
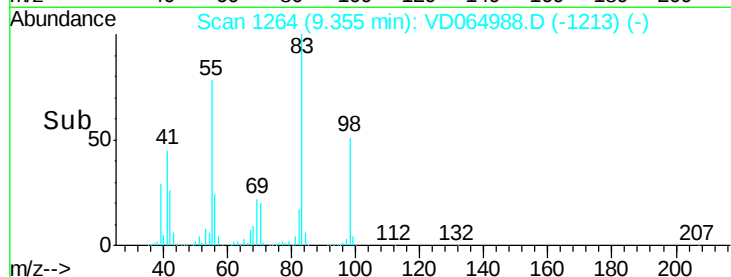
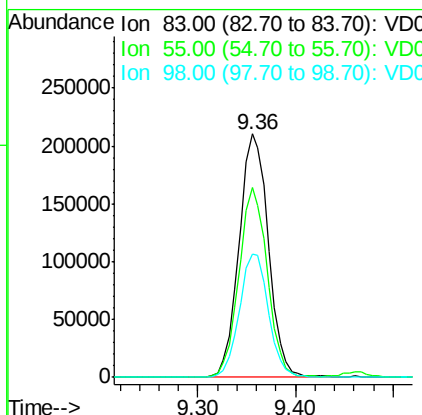
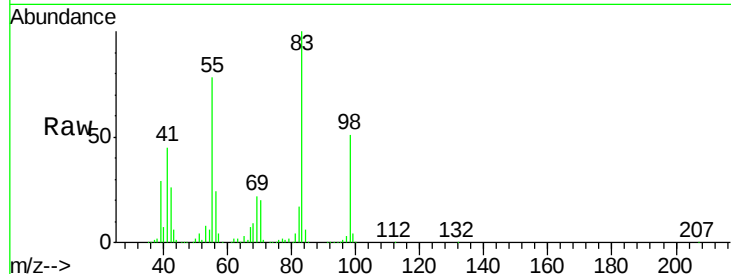
#39
Methvlcvclohexane
Concen: 54.567 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	58.7	88.1
98	50.8	40.2	60.2

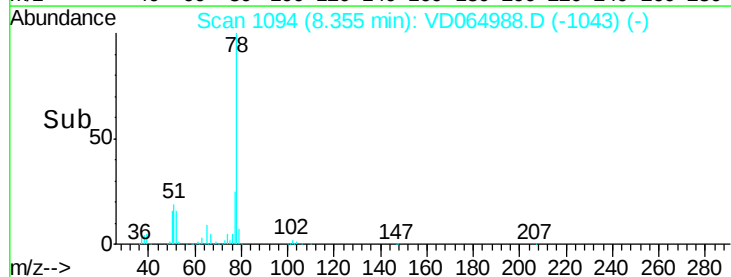
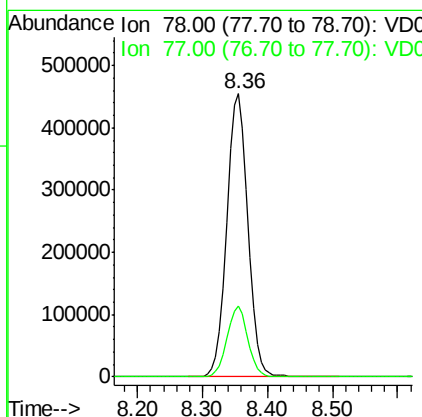
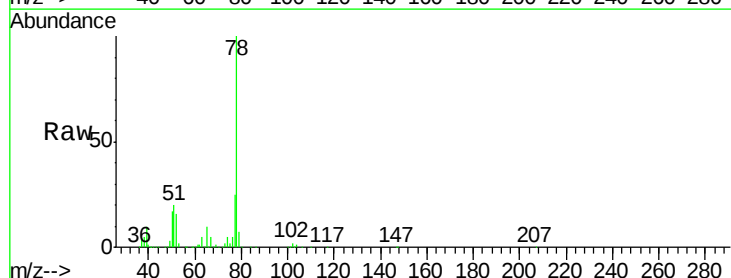
Manual Integrations
APPROVED

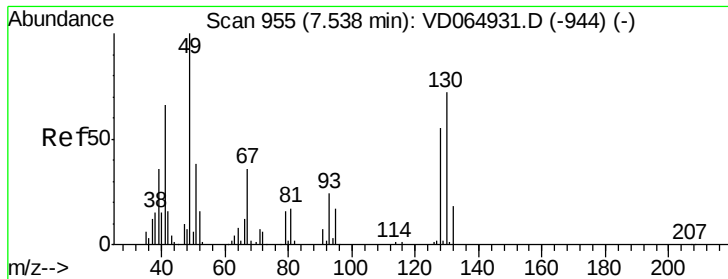
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#40
Benzene
Concen: 53.410 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8





#41

Methacrylonitrile

Concen: 58.348 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 89986

Ion Ratio Lower Upper

41 100

39 47.6 49.3 73.9#

67 61.4 51.0 76.6

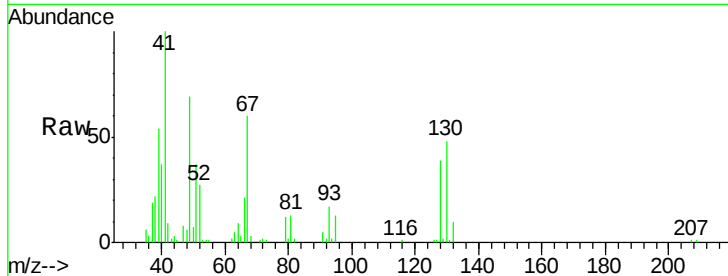
52 28.3 22.3 33.5

Manual Integrations

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1/30/2020 10:27:06 AM

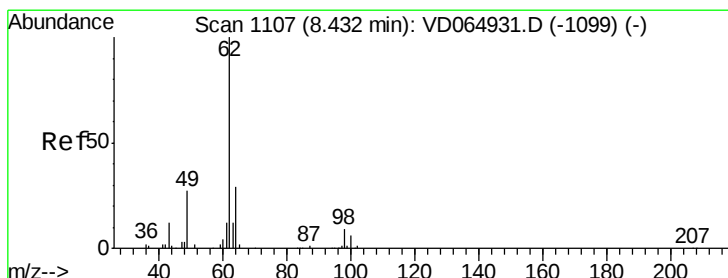
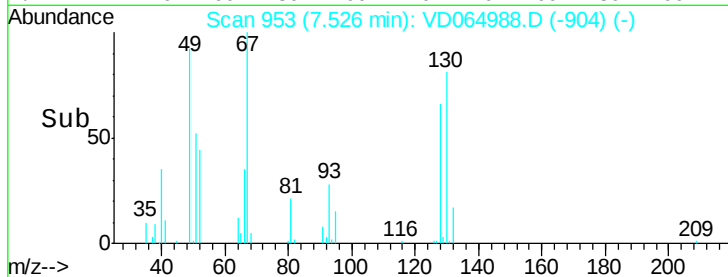
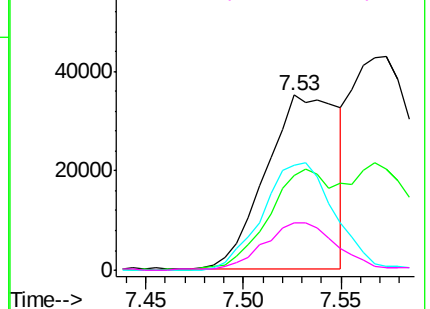


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.749 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064988.D

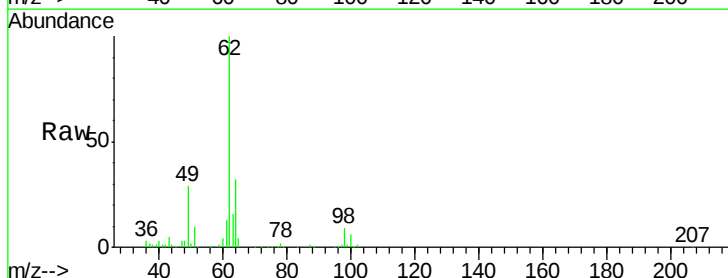
Acq: 29 Jan 2020 10:45

Tgt Ion: 62 Resp: 294256

Ion Ratio Lower Upper

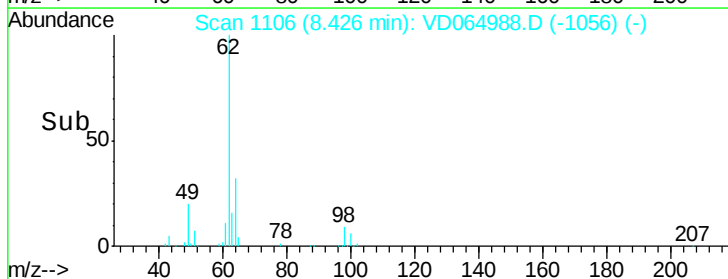
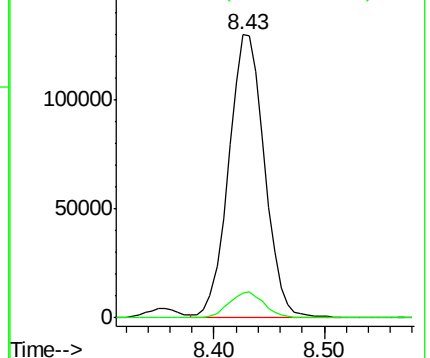
62 100

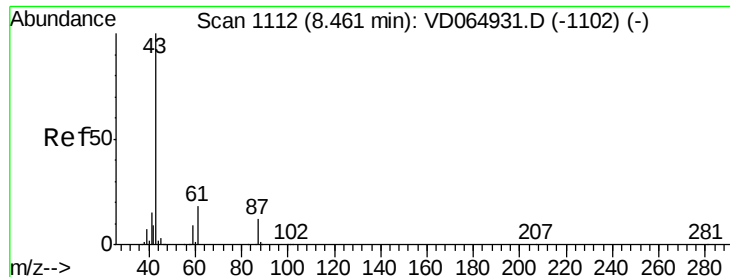
98 9.1 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





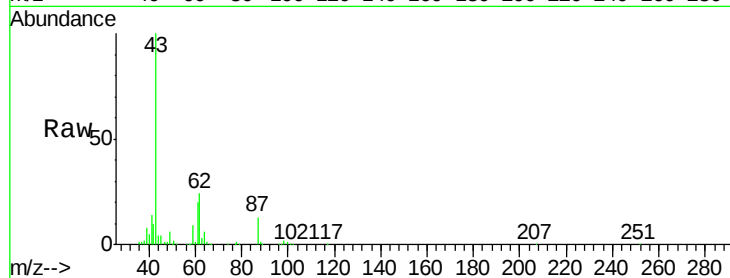
#43
Isopropyl Acetate
Concen: 49.538 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

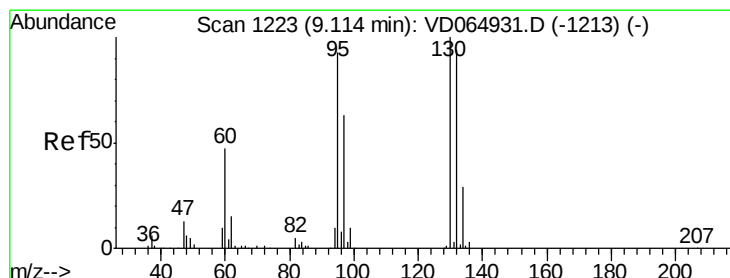
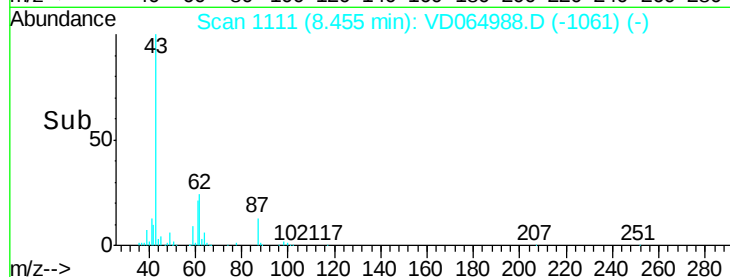
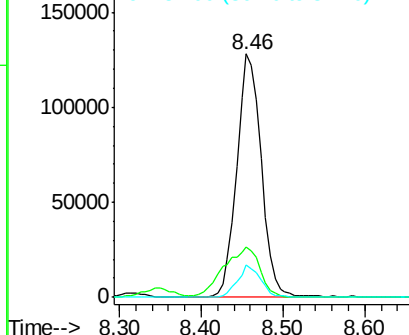
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	23.8	35.6
87	12.4	10.3	15.5

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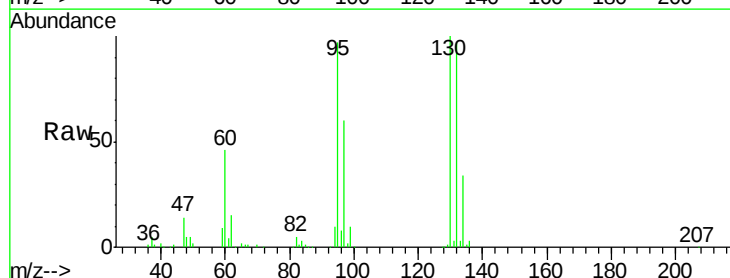


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

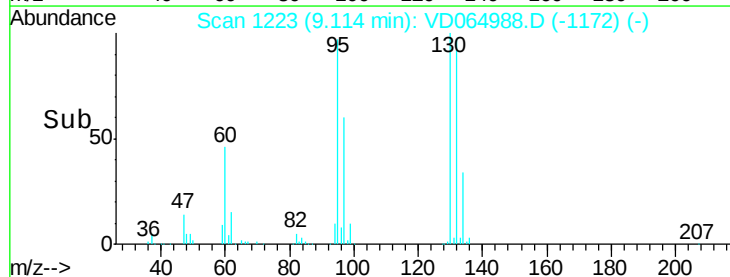
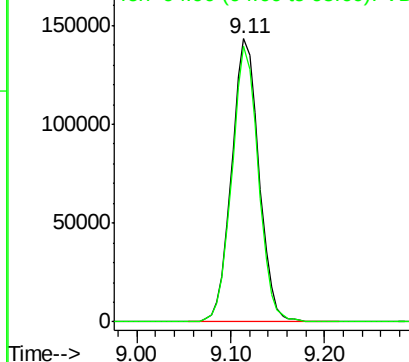


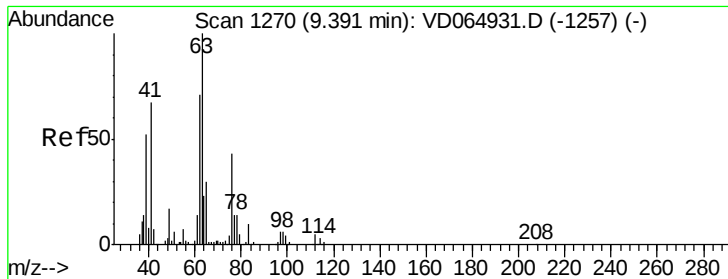
#44
Trichloroethene
Concen: 54.065 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





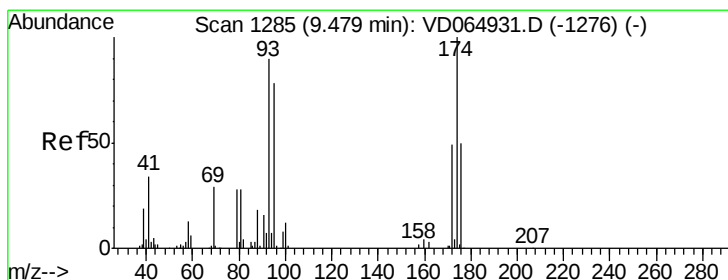
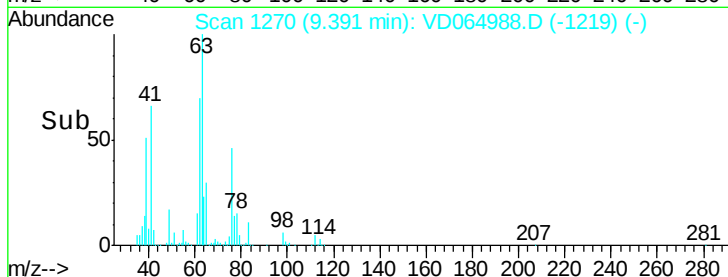
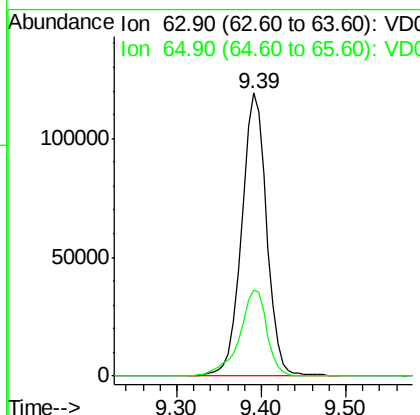
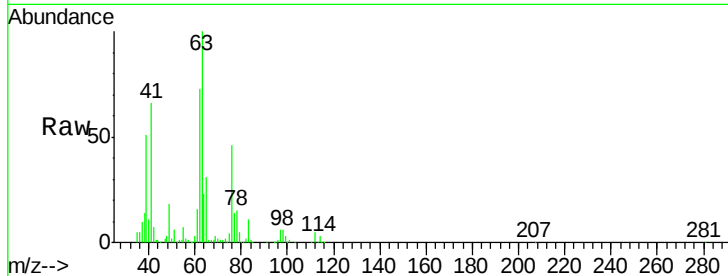
#45
 1,2-Dichloropropane
 Concen: 52.806 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.3	36.5

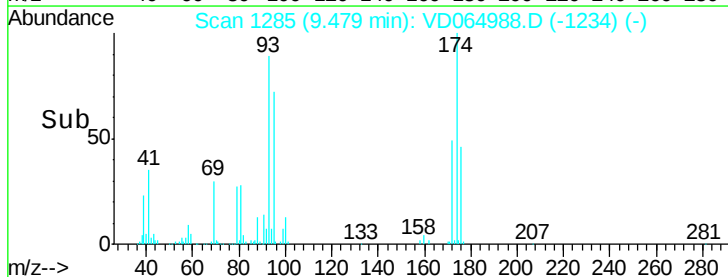
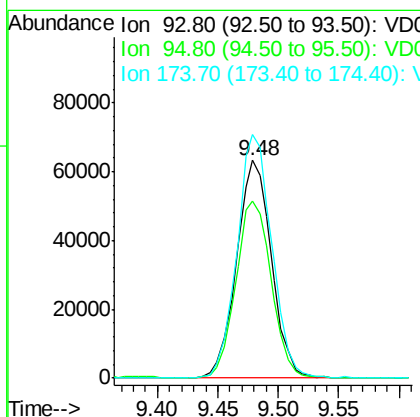
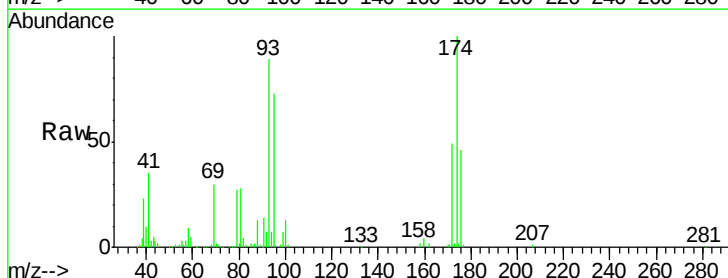
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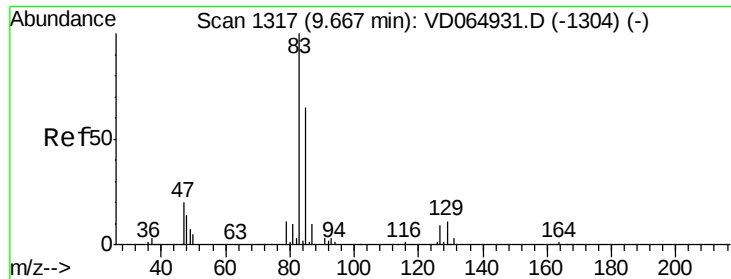
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#46
 Dibromomethane
 Concen: 50.456 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.5	101.3
174	111.5	88.4	132.6





#47

Bromodichloromethane

Concen: 53.174 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

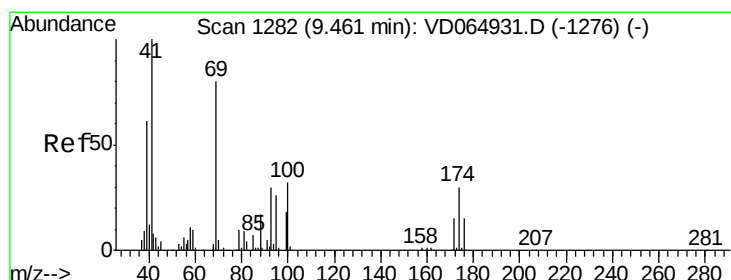
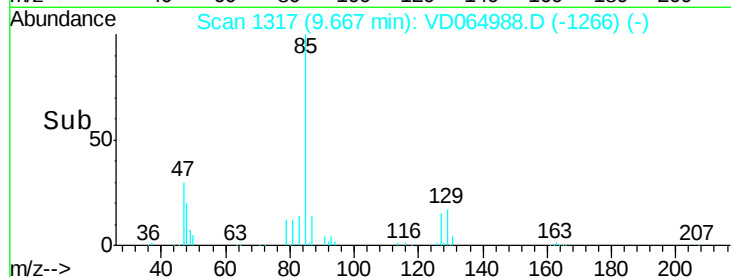
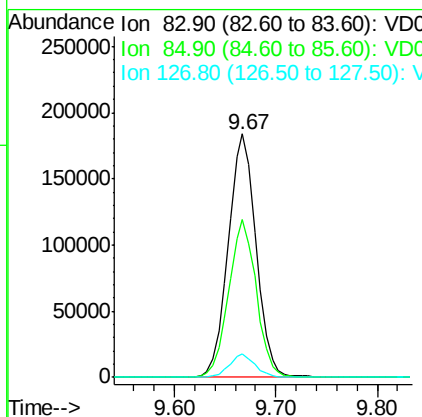
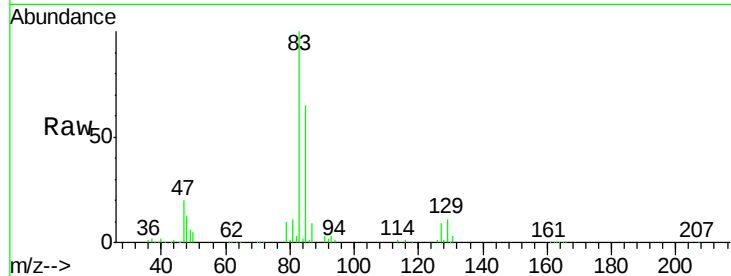
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	349568
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.0	78.0
127	9.4	7.3	10.9

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#48

Methyl methacrylate

Concen: 50.871 ug/l

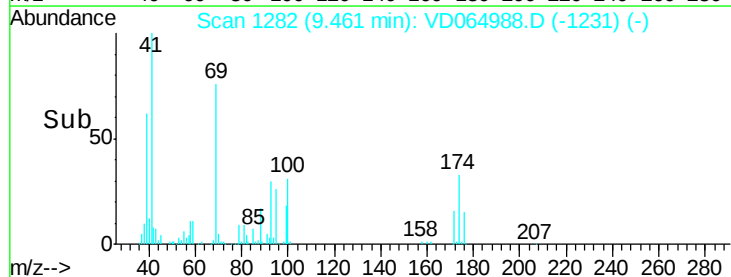
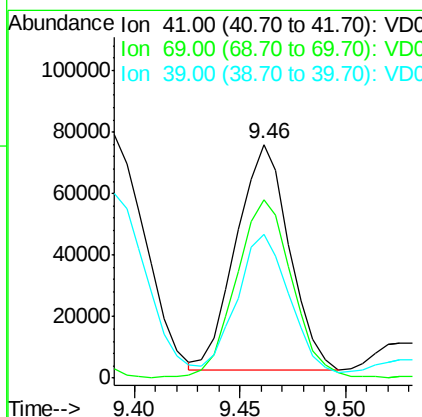
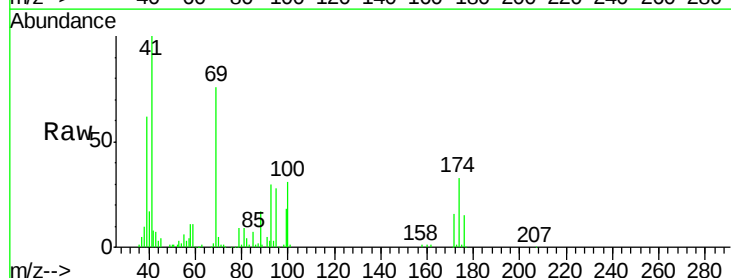
RT: 9.46 min Scan# 1282

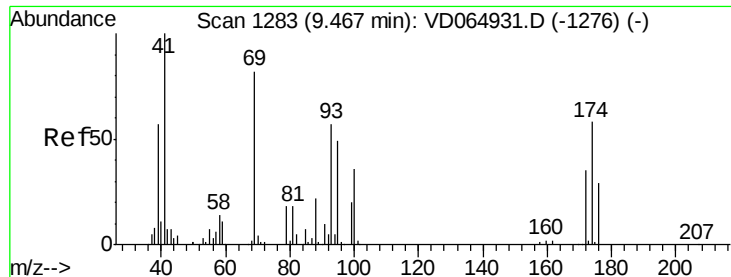
Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Tgt Ion:	41	Resp:	127308
Ion	Ratio	Lower	Upper
41	100		
69	82.9	65.8	98.8
39	59.3	49.4	74.0





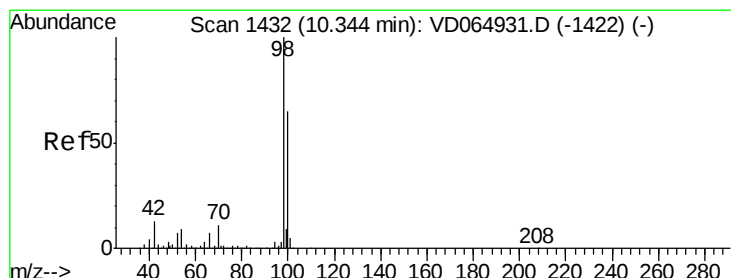
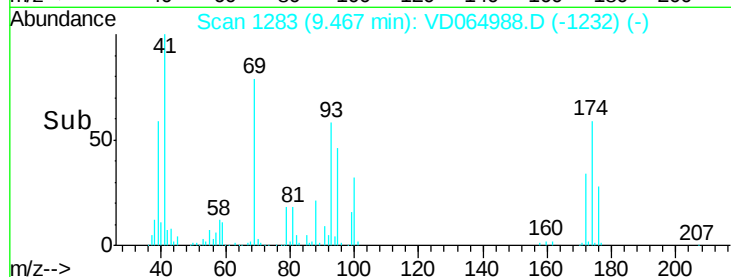
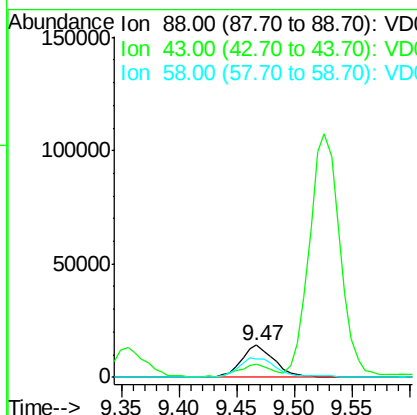
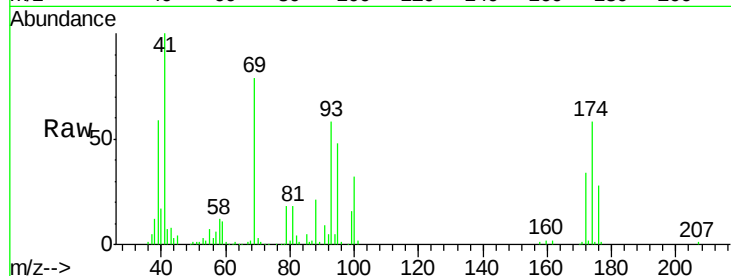
#49
1,4-Dioxane
Concen: 970.538 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	28438
Ion	Ratio	Lower	Upper
88	100		
43	41.8	26.2	39.4#
58	67.7	50.3	75.5

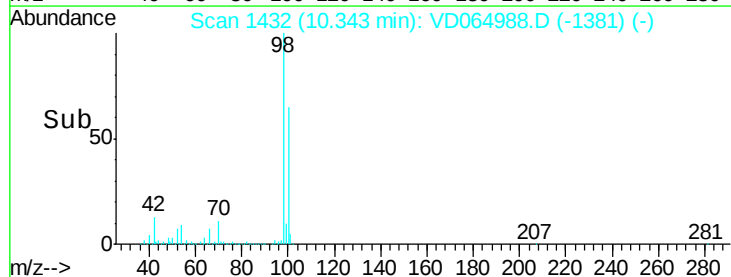
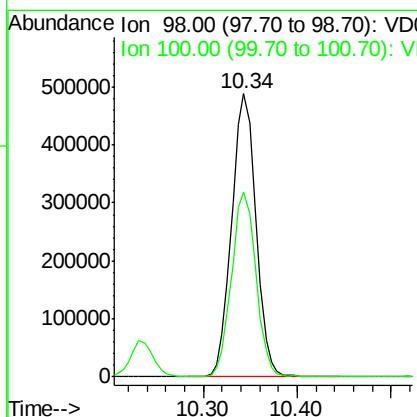
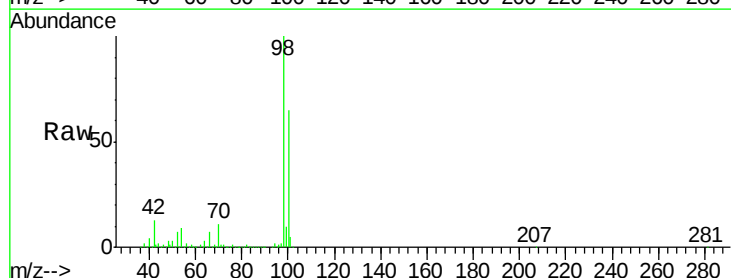
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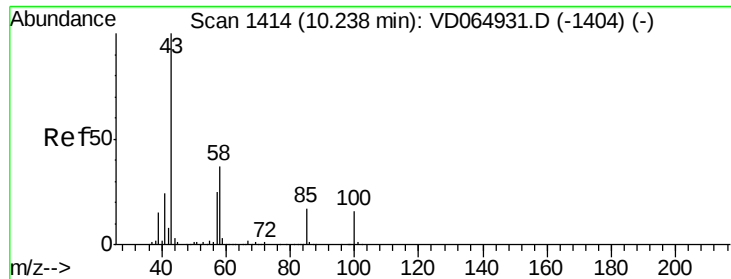
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#50
Toluene-d8
Concen: 50.481 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	98	Resp	880039
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 245.039 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 666761

Ion Ratio Lower Upper

43 100

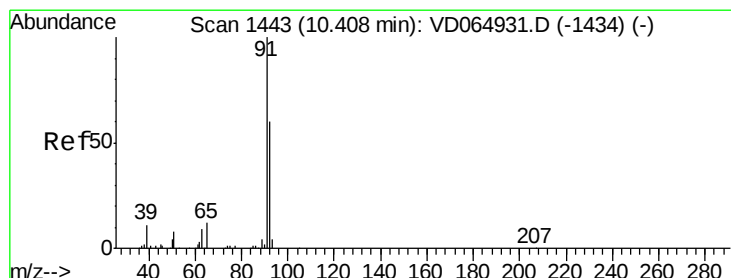
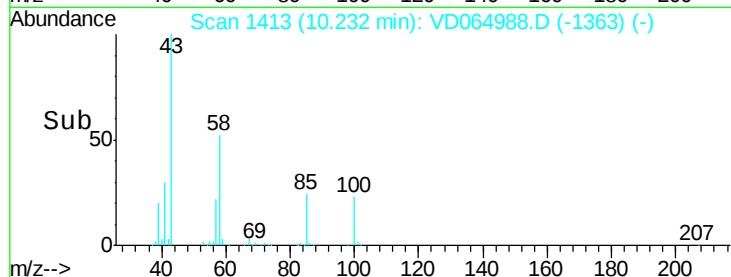
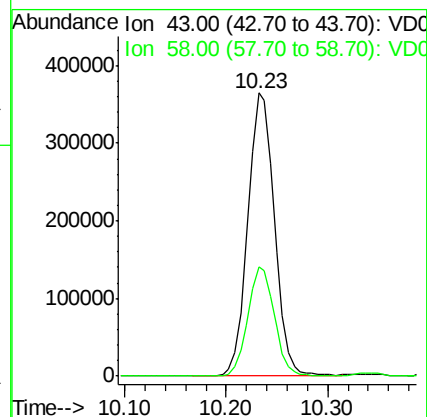
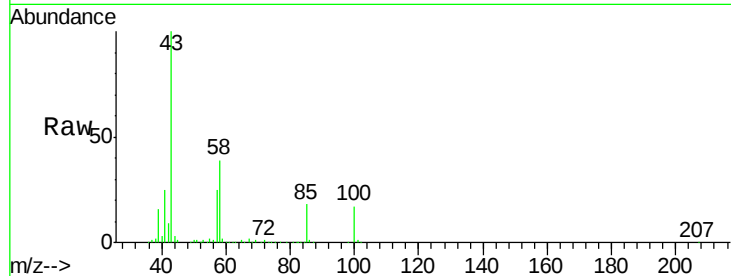
58 38.2 30.4 45.6

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#52

Toluene

Concen: 53.973 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064988.D

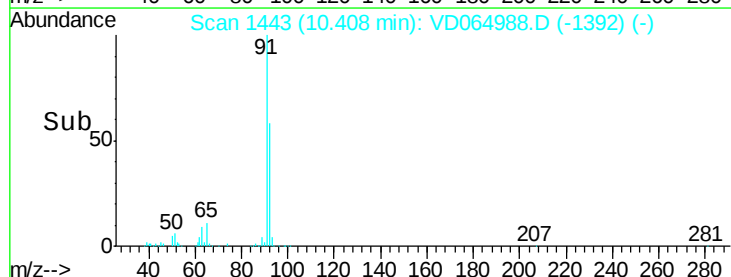
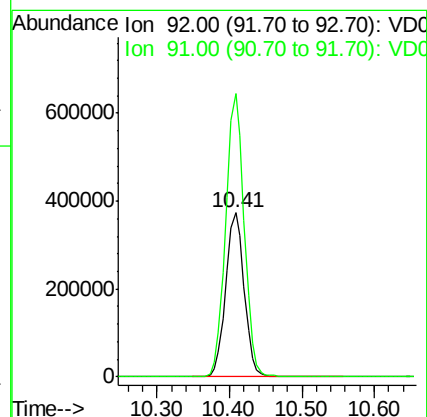
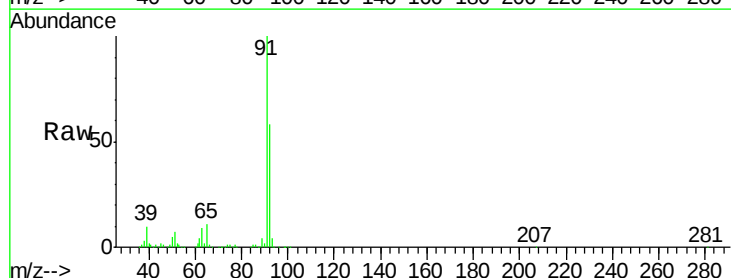
Acq: 29 Jan 2020 10:45

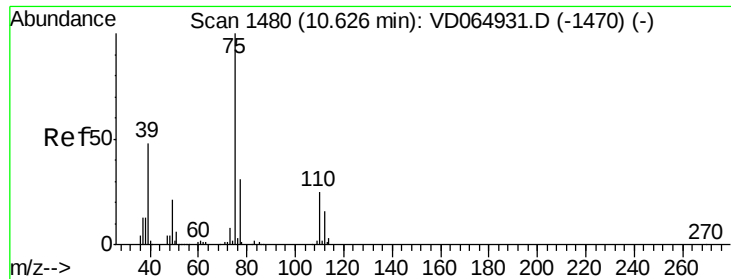
Tgt Ion: 92 Resp: 664249

Ion Ratio Lower Upper

92 100

91 172.2 136.8 205.2





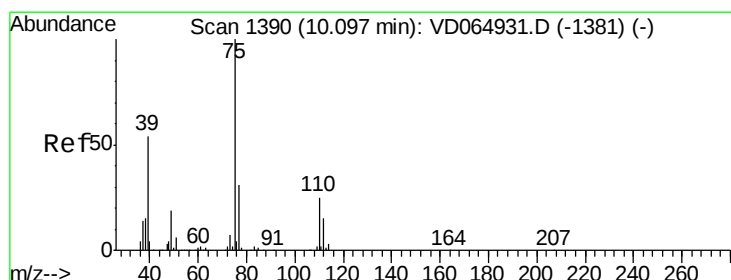
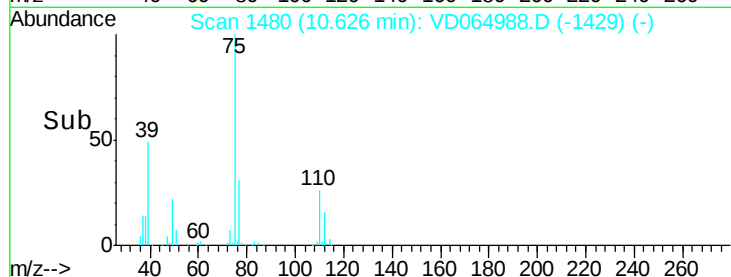
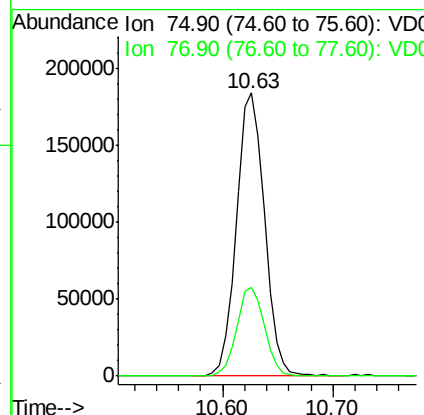
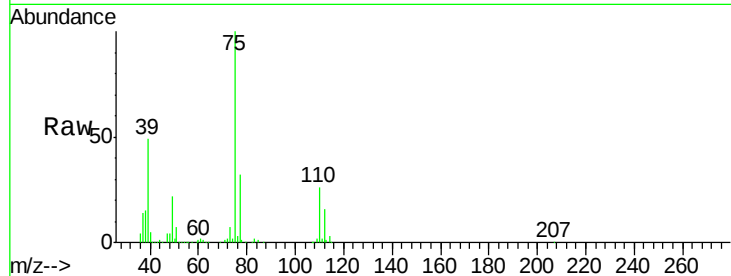
#53
t-1,3-Dichloropropene
Concen: 52.695 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 329981
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6

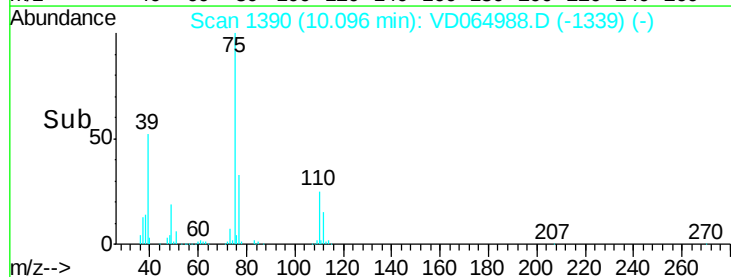
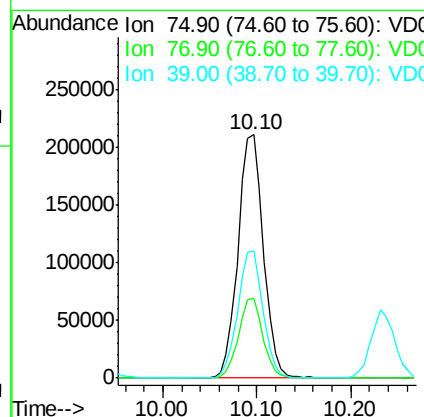
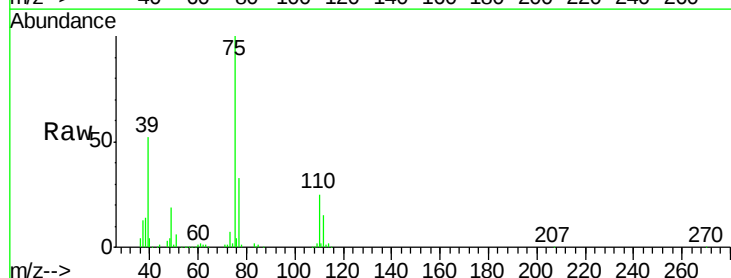
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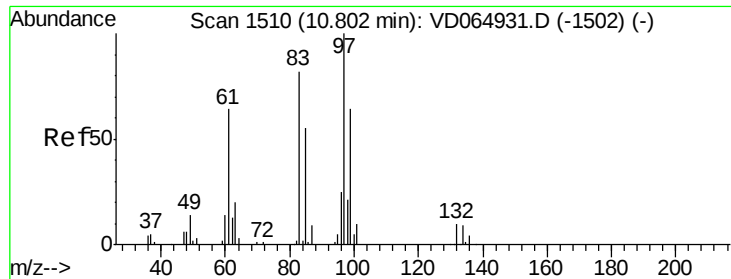
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#54
cis-1,3-Dichloropropene
Concen: 53.751 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 75 Resp: 394095
Ion Ratio Lower Upper
75 100
77 32.5 25.1 37.7
39 51.9 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 50.238 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

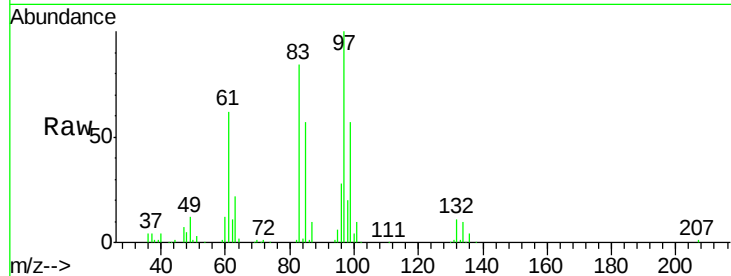
ClientSampleId :

VSTDCCC050

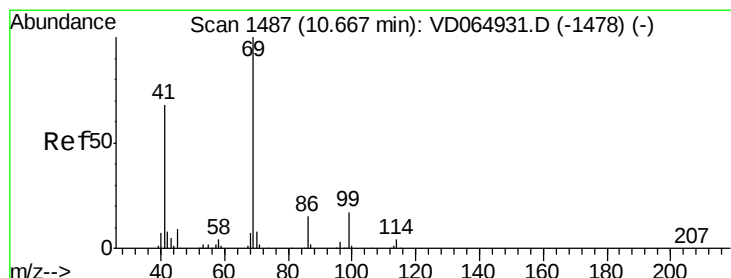
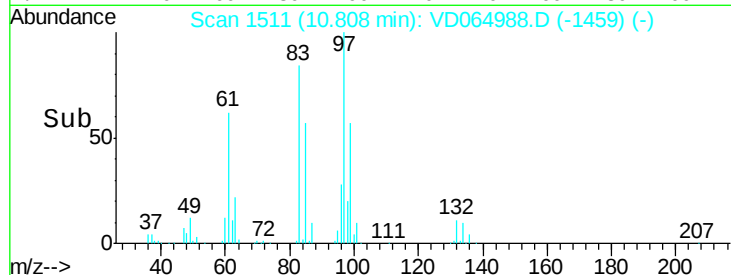
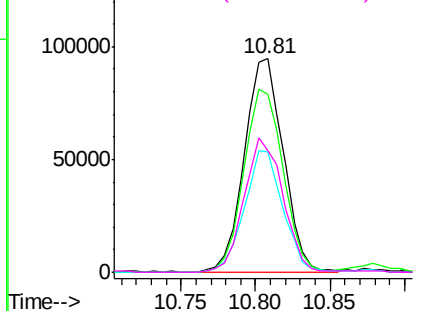
Tot Ion:	97	Resp:	170966
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.0	99.0
85	56.6	44.4	66.6
99	57.1	51.4	77.0

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Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 52.821 ug/l

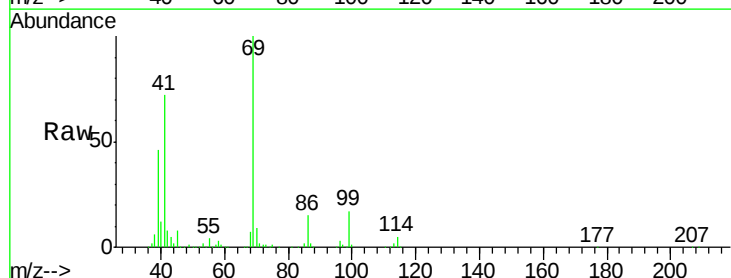
RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

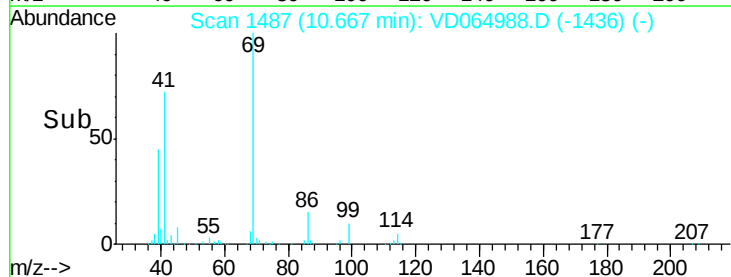
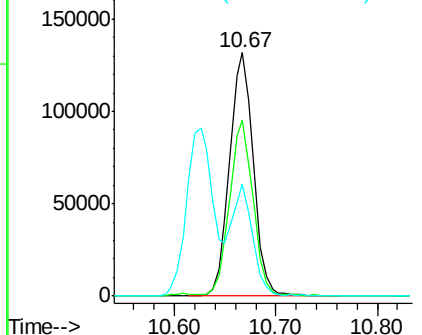
Lab File: VD064988.D

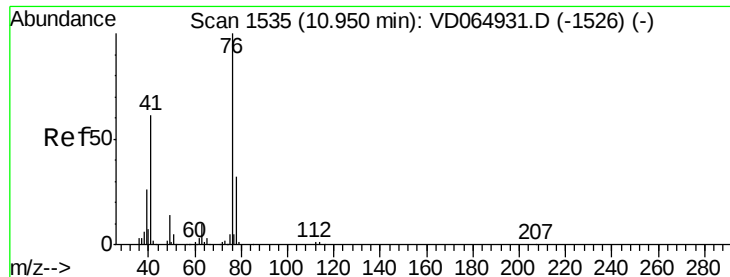
Acq: 29 Jan 2020 10:45

Tgt Ion:	69	Resp:	214957
Ion	Ratio	Lower	Upper
69	100		
41	69.7	56.4	84.6
39	39.9	30.6	46.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





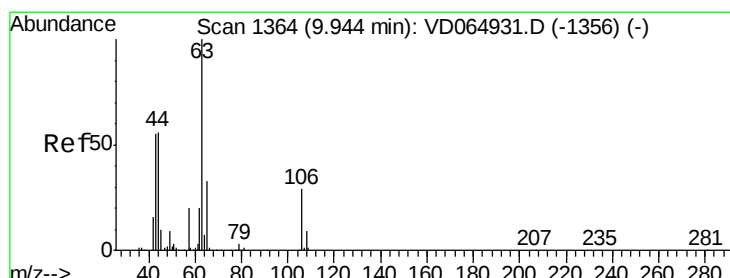
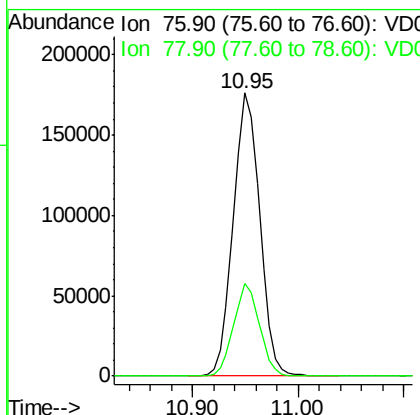
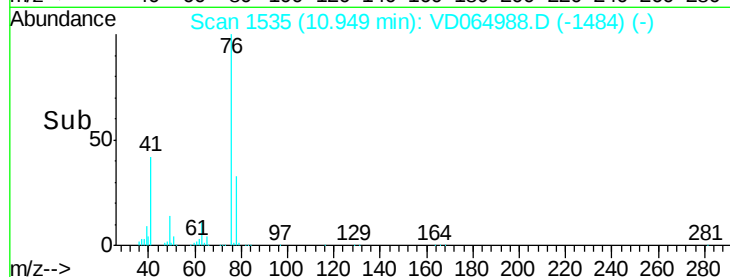
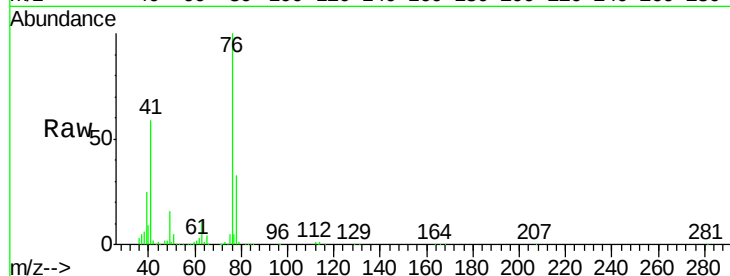
#57
 1,3-Dichloropropane
 Concen: 52.487 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.7	38.5

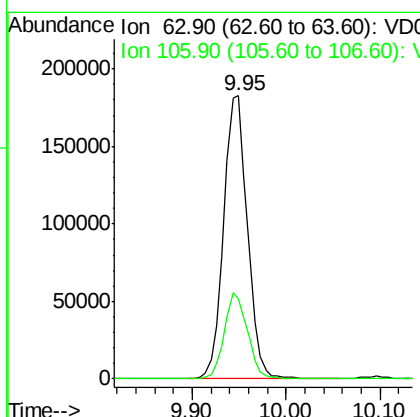
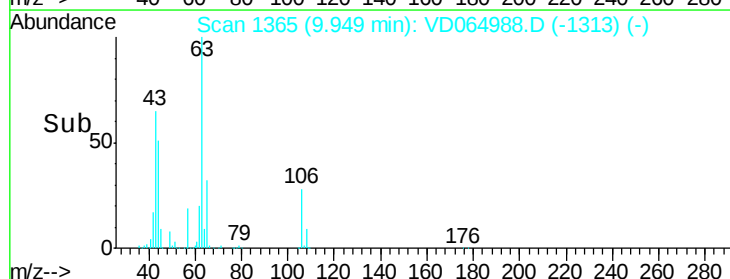
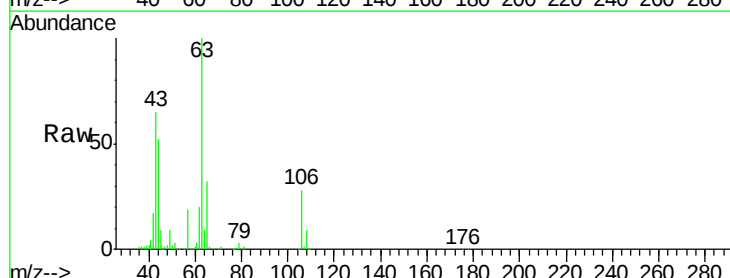
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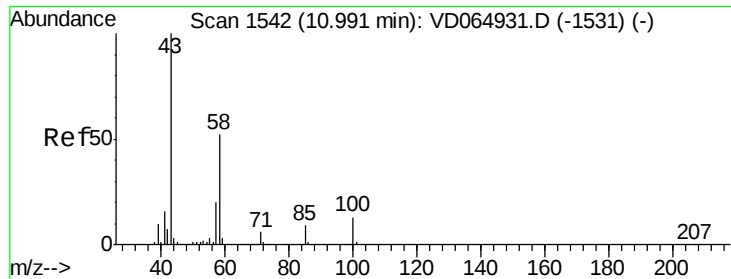
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#58
 2-Chloroethyl Vinyl ether
 Concen: 238.180 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.0	34.4





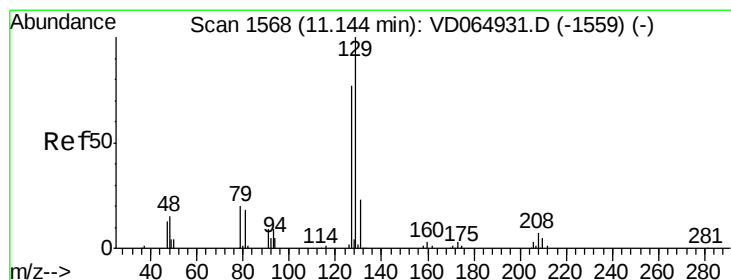
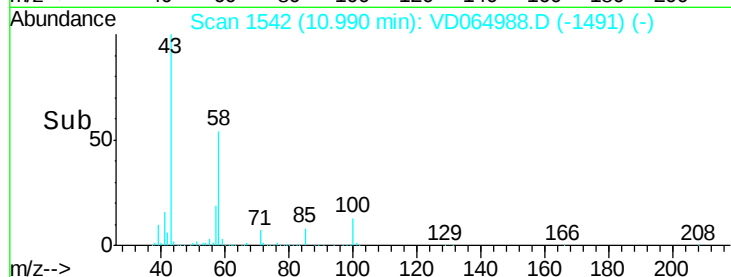
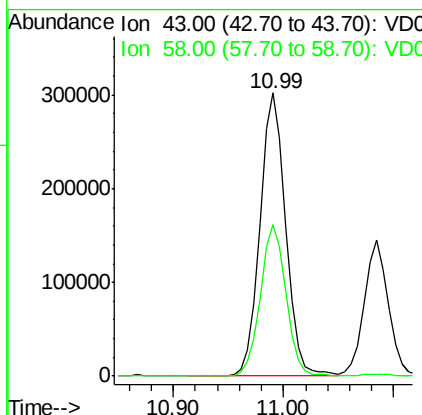
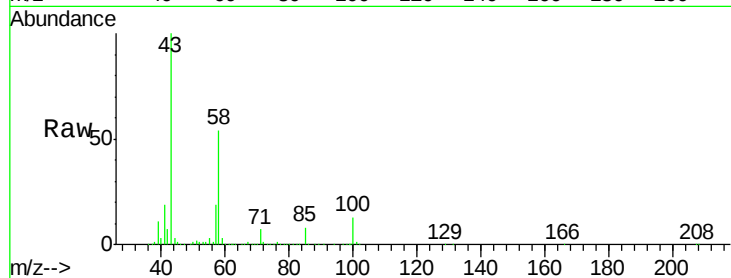
#59
2-Hexanone
Concen: 263.629 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 494805
Ion Ratio Lower Upper
43 100
58 53.2 26.5 79.4

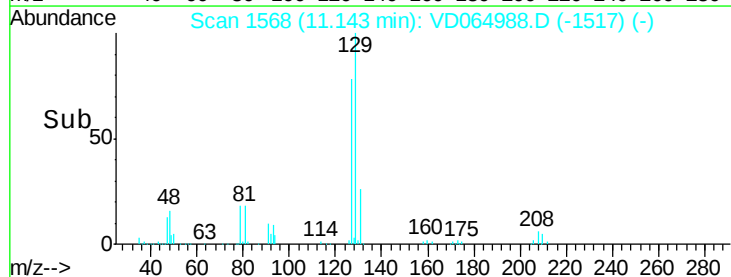
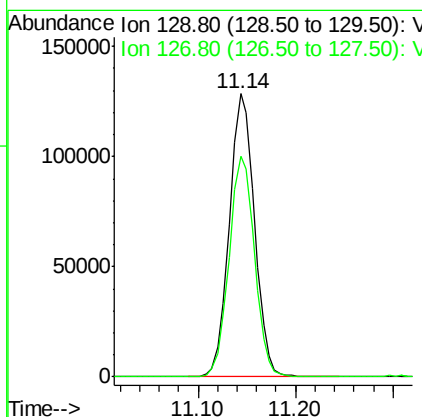
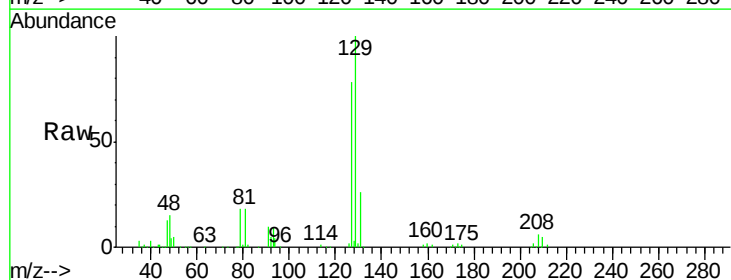
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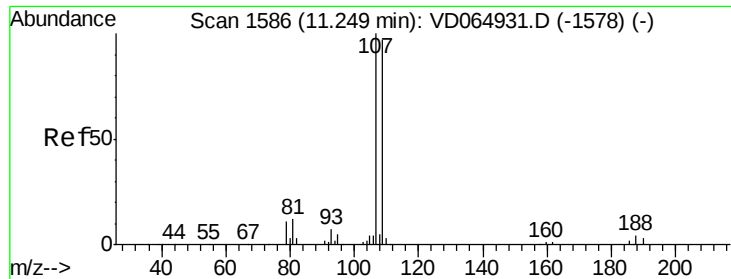
MMDadoda
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#60
Dibromochloromethane
Concen: 50.664 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion: 129 Resp: 230443
Ion Ratio Lower Upper
129 100
127 78.9 38.2 114.6





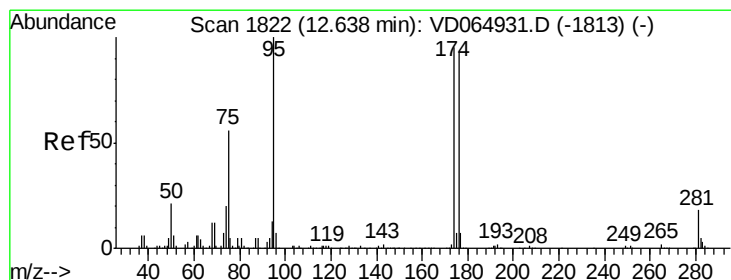
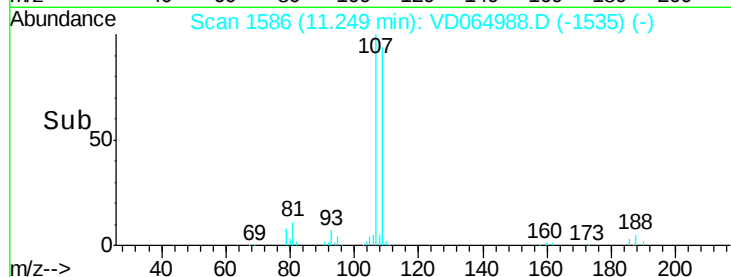
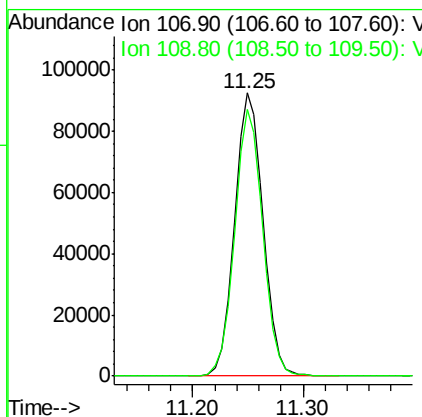
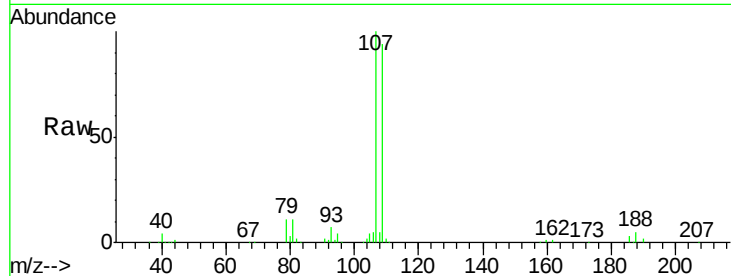
#61
1,2-Dibromoethane
Concen: 51.122 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	77.1	115.7

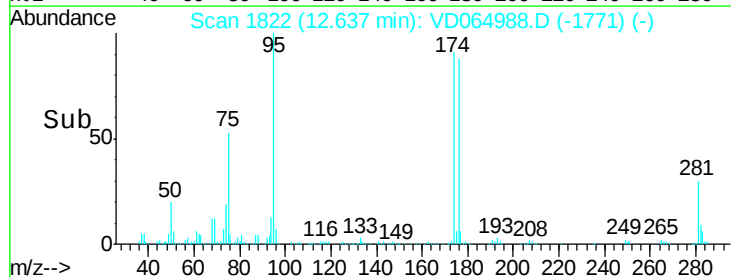
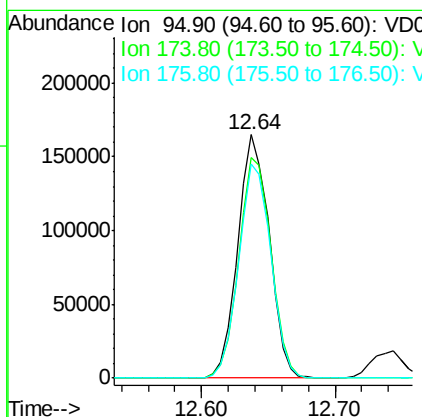
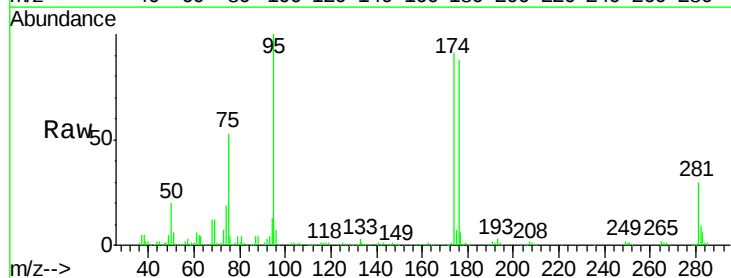
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1/30/2020 10:27:06 AM



#62
4-Bromofluorobenzene
Concen: 50.329 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.0	0.0	186.8
176	89.9	0.0	183.4





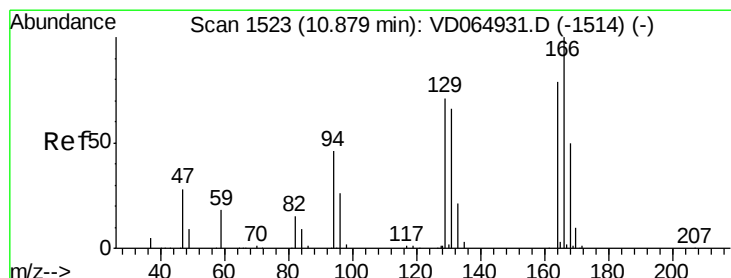
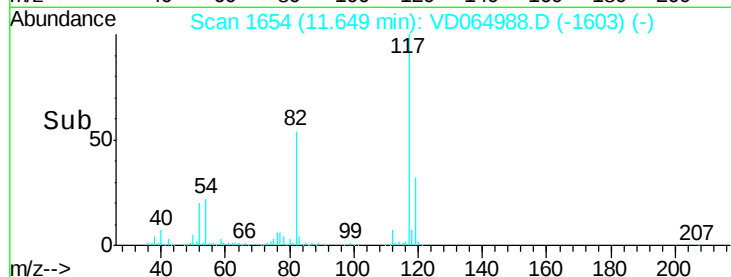
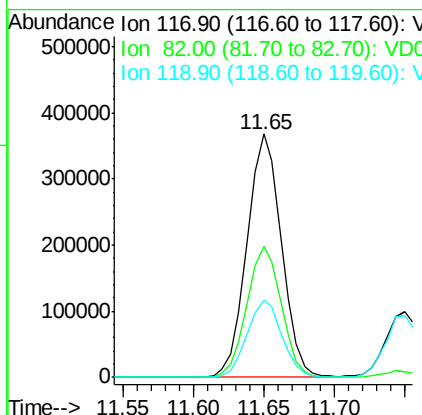
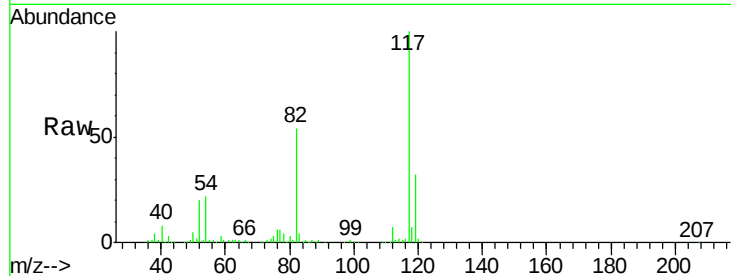
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.6	65.4
119	32.0	25.2	37.8

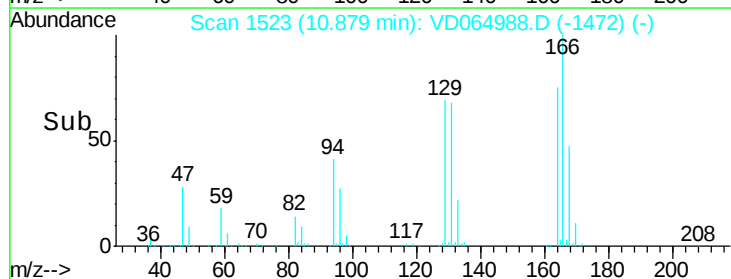
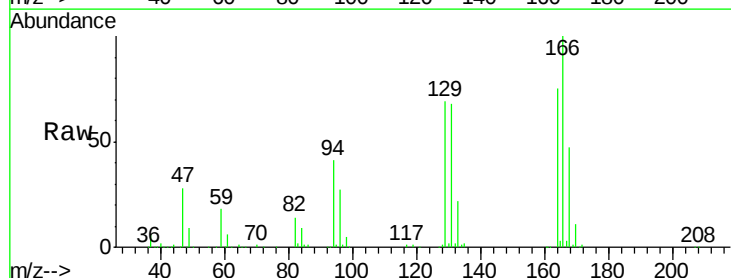
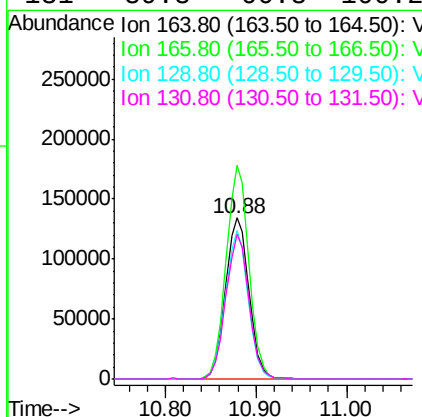
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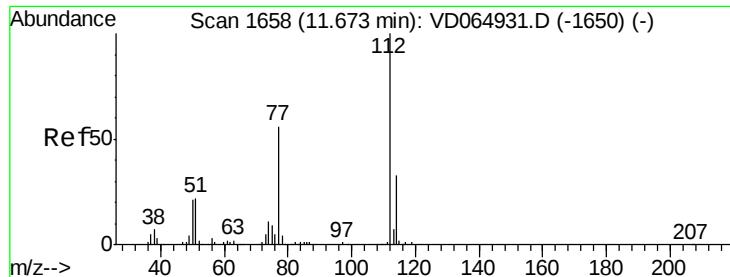
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#64
Tetrachloroethene
Concen: 52.850 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	101.4	152.2
129	91.9	71.8	107.8
131	89.8	66.8	100.2





#65

Chlorobenzene

Concen: 53.432 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 684992

Ion Ratio Lower Upper

112 100

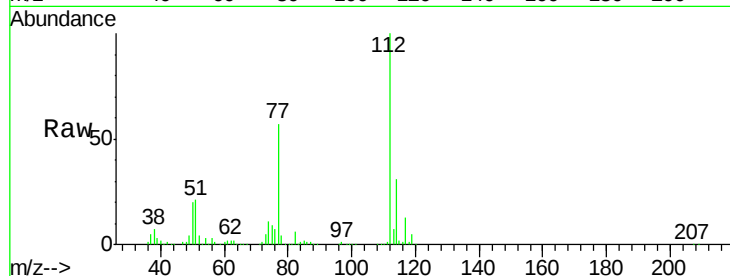
114 31.2 26.2 39.4

Manual Integrations

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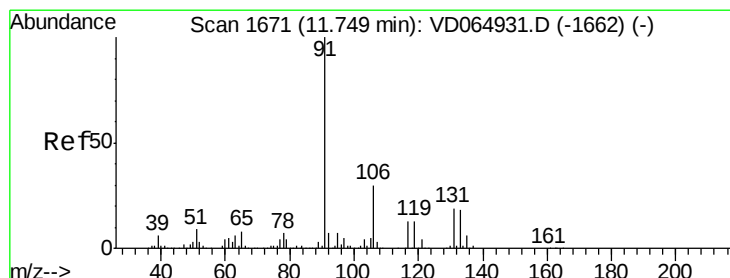
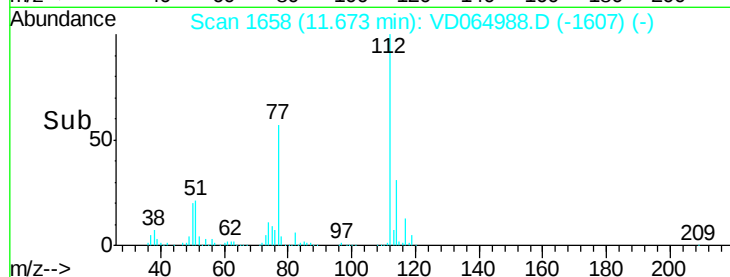
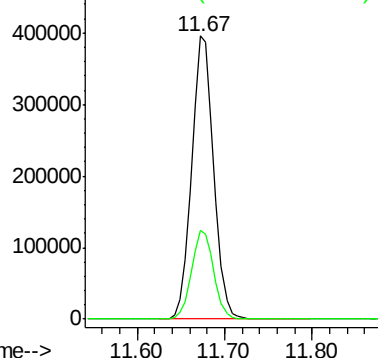
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.887 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

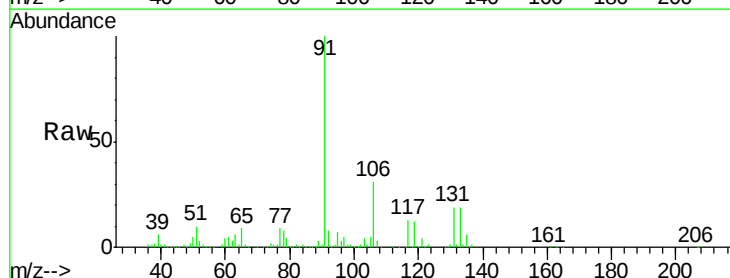
Tgt Ion:131 Resp: 259808

Ion Ratio Lower Upper

131 100

133 95.8 47.5 142.5

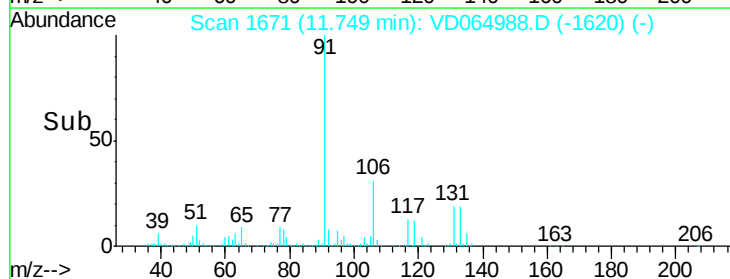
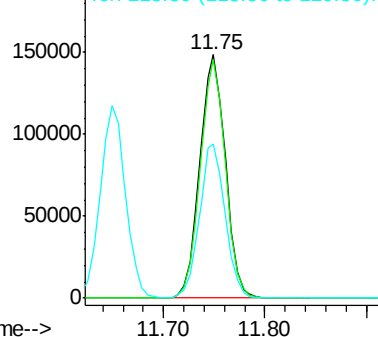
119 62.8 31.1 93.5

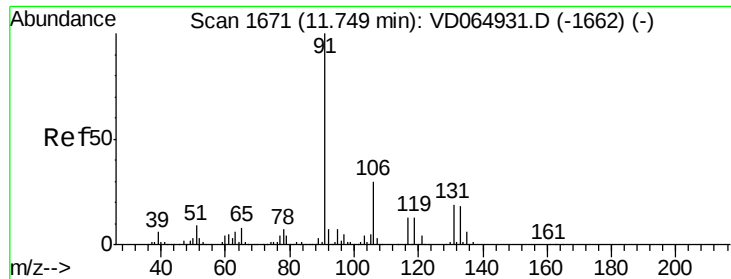


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 55.482 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1262753

Ion Ratio Lower Upper

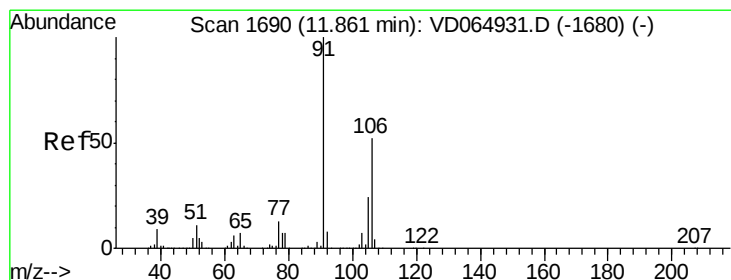
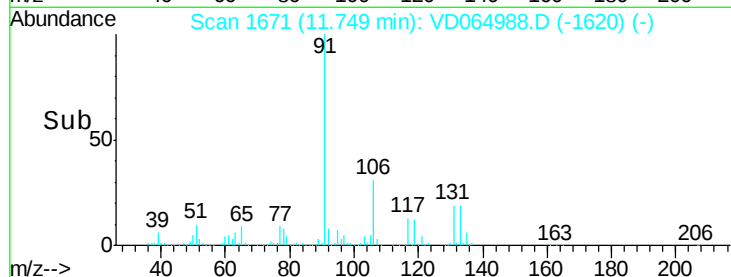
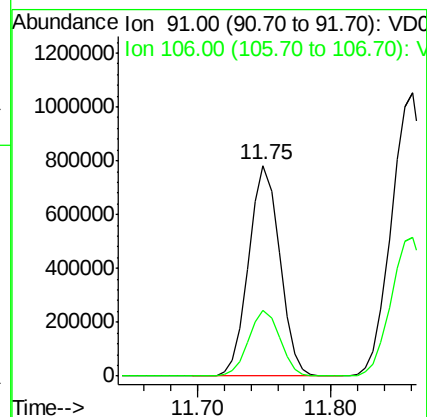
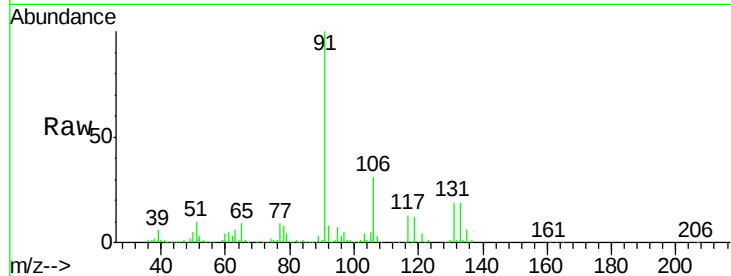
91 100

106 31.5 24.3 36.5

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#68

m/p-Xylenes

Concen: 112.568 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD064988.D

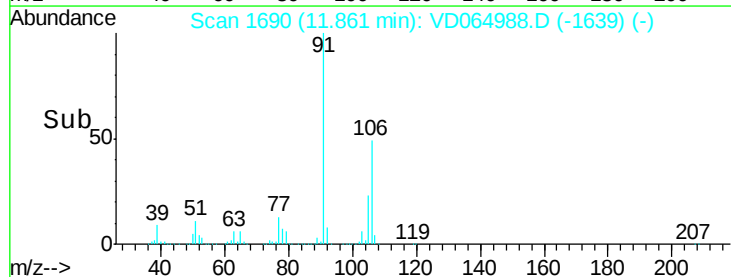
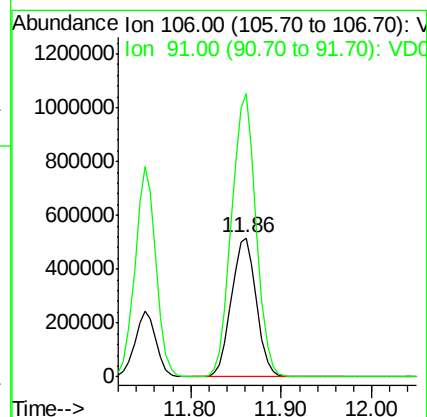
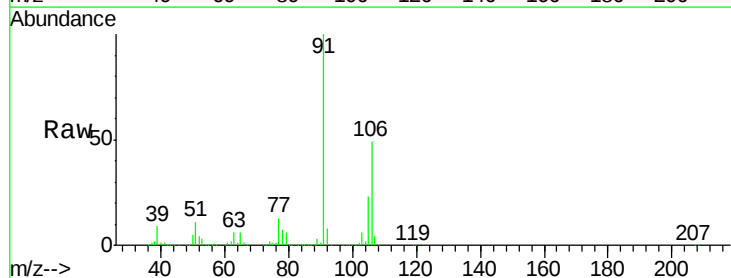
Acq: 29 Jan 2020 10:45

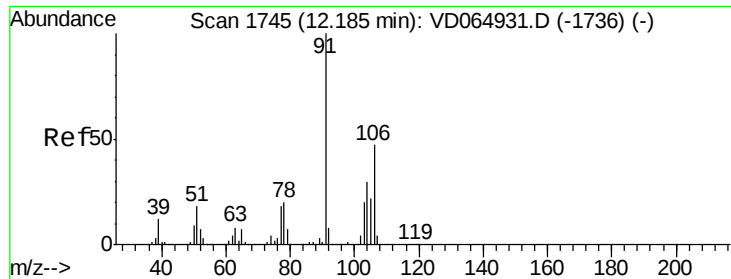
Tgt Ion: 106 Resp: 986424

Ion Ratio Lower Upper

106 100

91 199.7 159.0 238.4





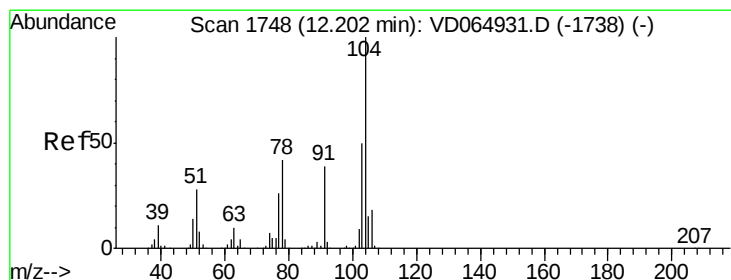
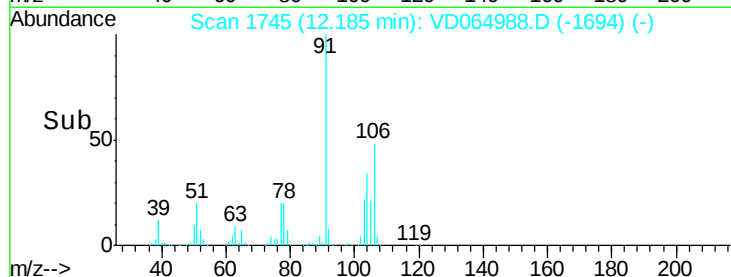
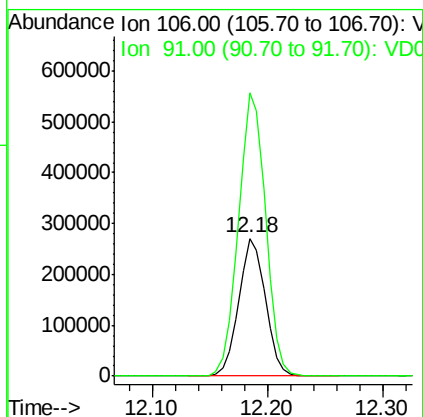
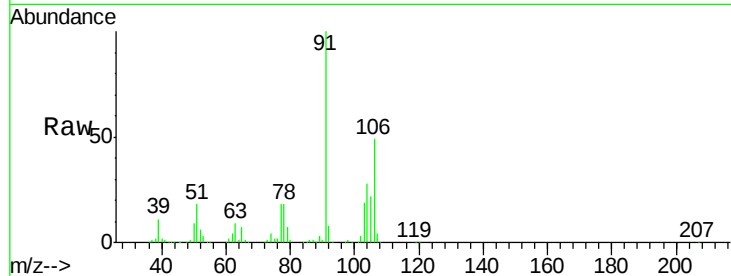
#69
o-Xylene
Concen: 55.802 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 433978
Ion Ratio Lower Upper
106 100
91 209.6 106.7 319.9

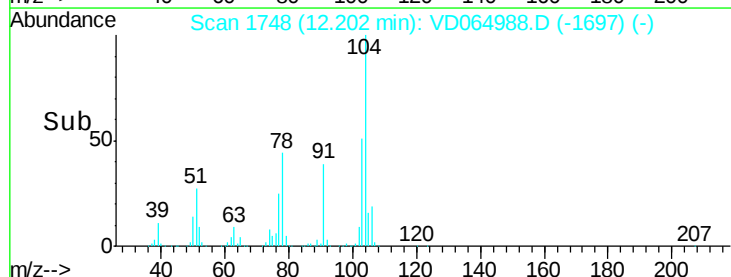
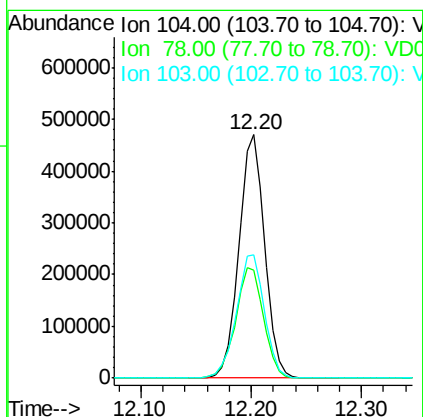
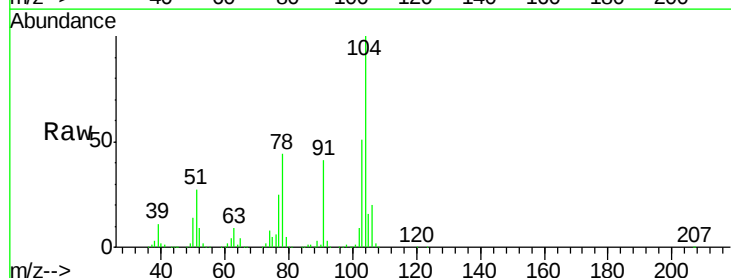
Manual Integrations
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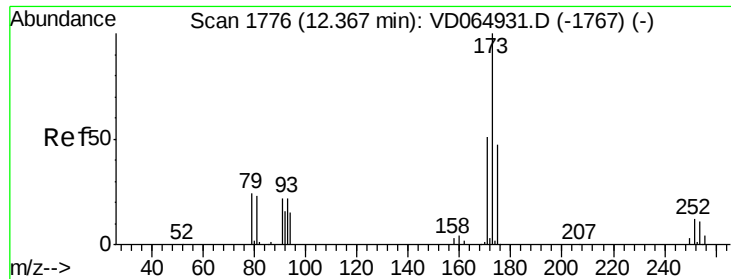
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#70
Styrene
Concen: 55.514 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion:104 Resp: 769093
Ion Ratio Lower Upper
104 100
78 49.4 38.3 57.5
103 55.2 43.5 65.3





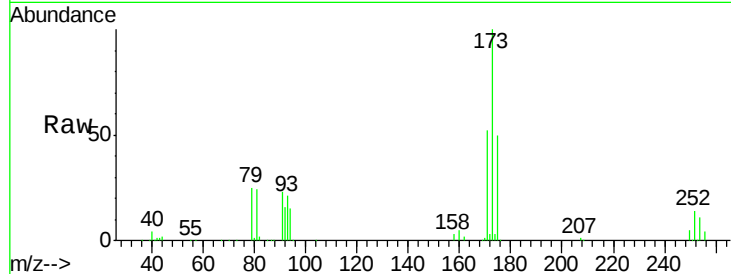
#71
Bromoform
Concen: 50.819 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.8
254	0.1	0.1	0.1#

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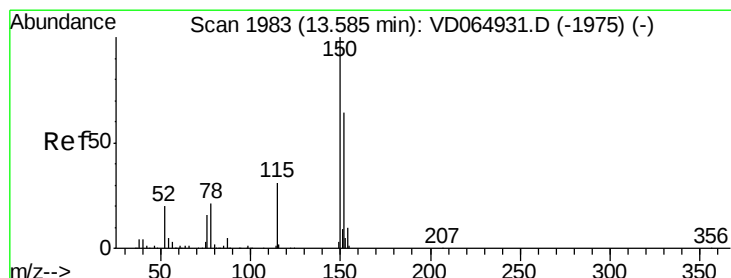
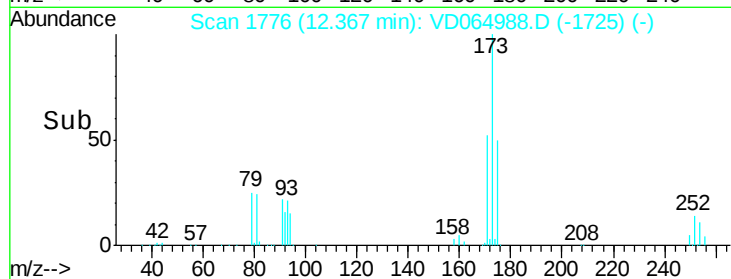
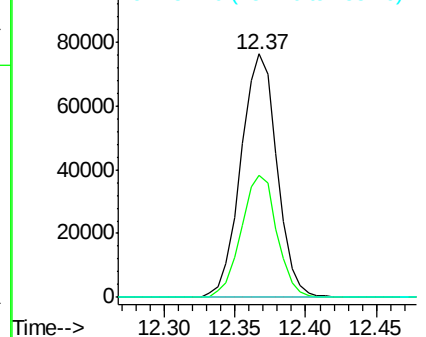


Abundance

Ion 172.70 (172.40 to 173.40): V

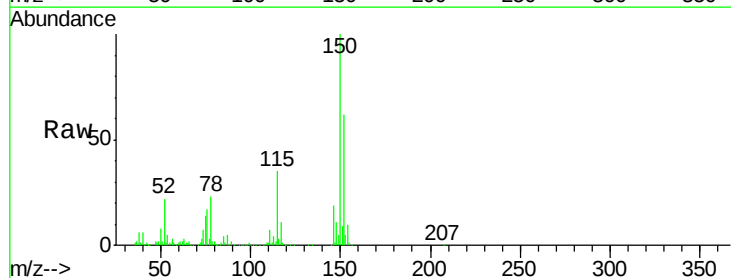
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	28.1	84.4
150	172.8	0.0	350.4

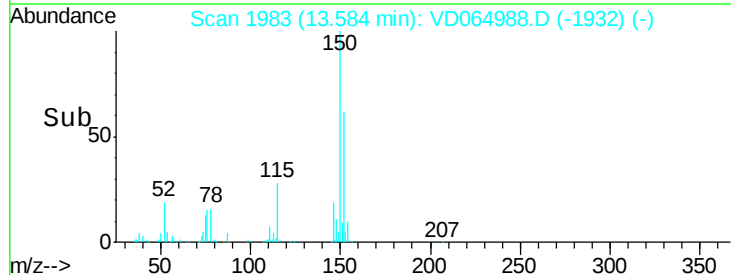
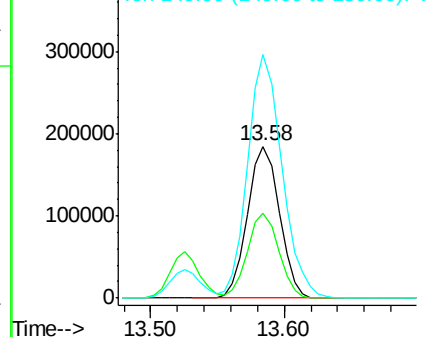


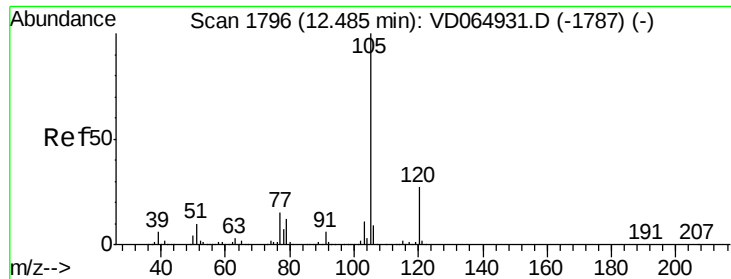
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.589 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1199892

Ion Ratio Lower Upper

105 100

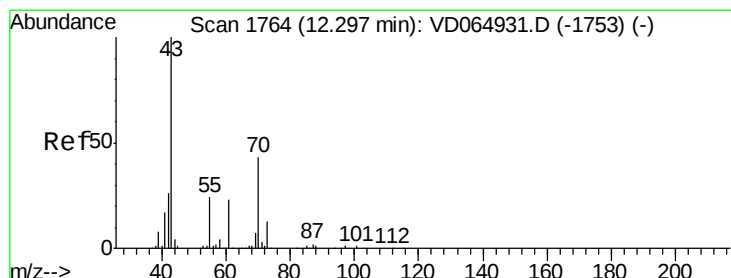
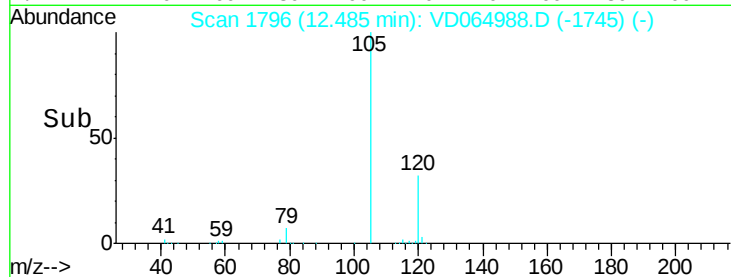
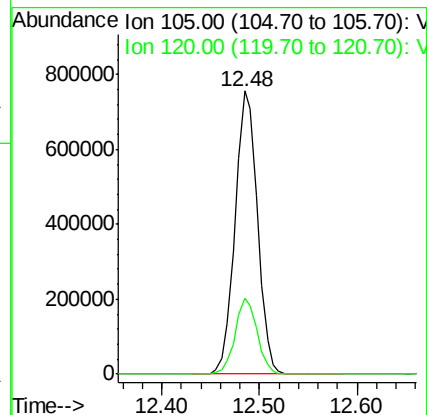
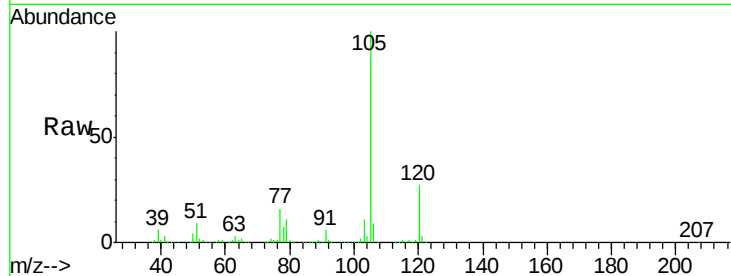
120 26.3 13.3 39.8

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#74

N-ethyl acetate

Concen: 50.831 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Tgt Ion: 43 Resp: 236989

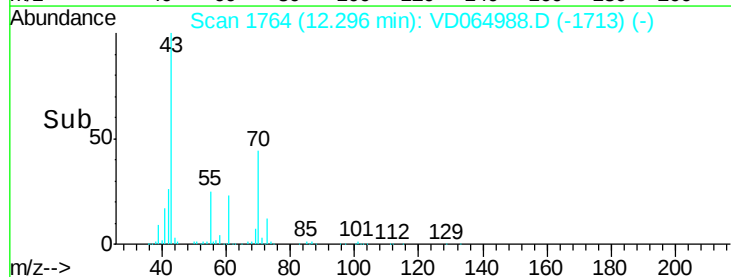
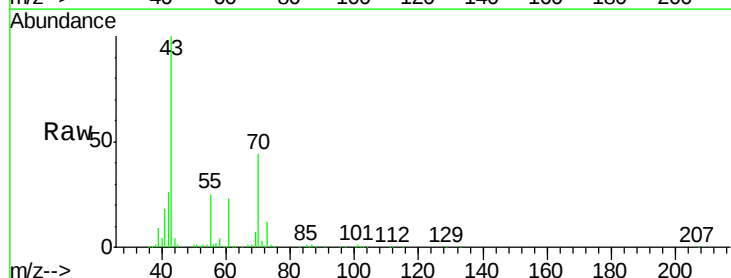
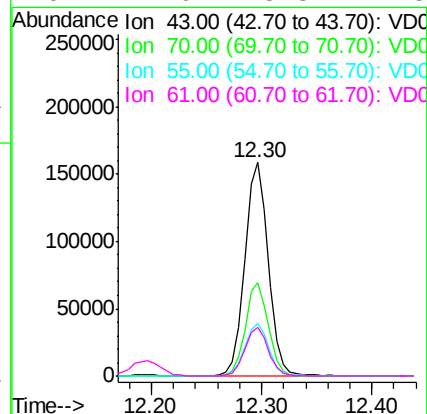
Ion Ratio Lower Upper

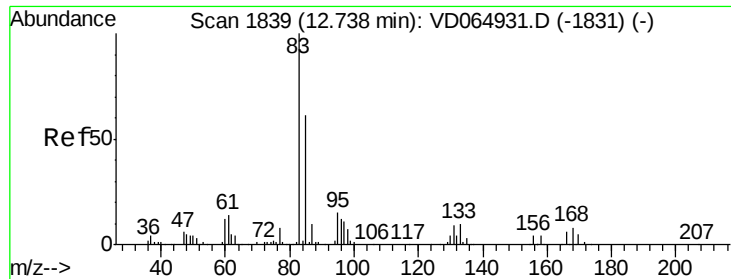
43 100

70 42.5 32.6 49.0

55 25.4 19.9 29.9

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.473 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

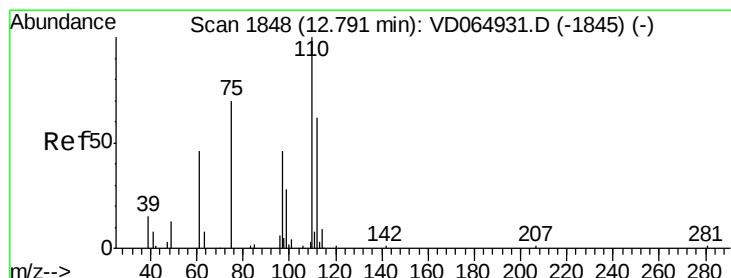
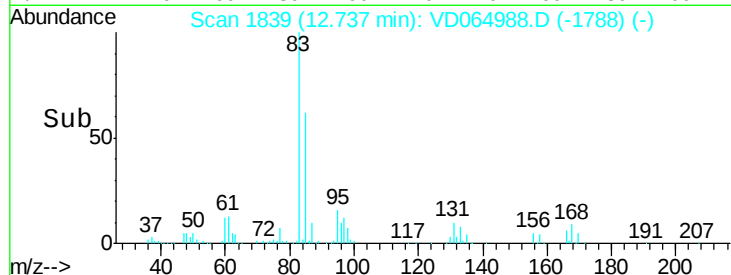
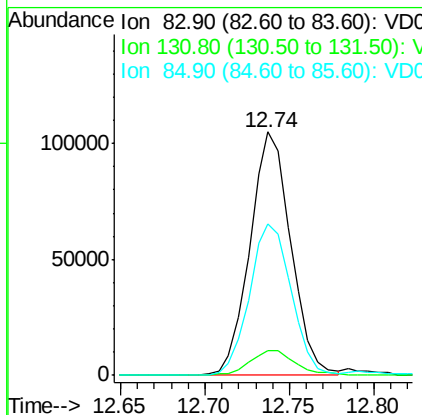
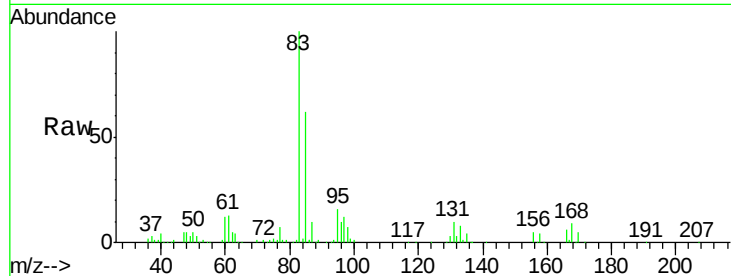
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	176748
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.4
85	63.7	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 49.420 ug/l m

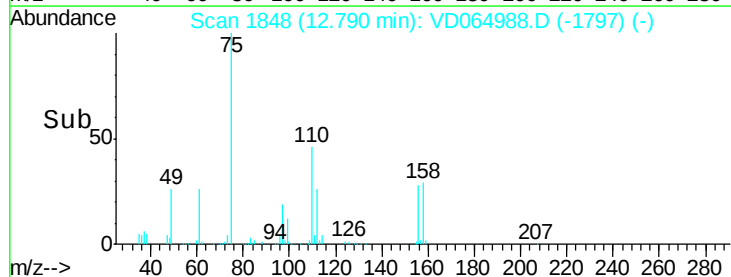
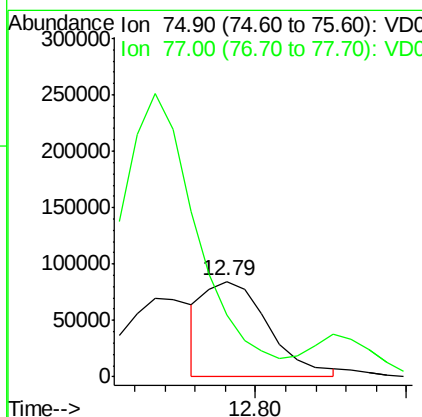
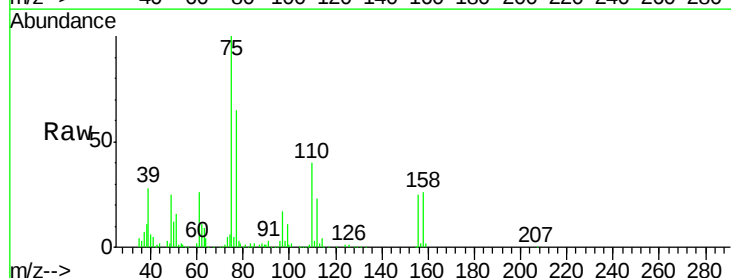
RT: 12.79 min Scan# 1848

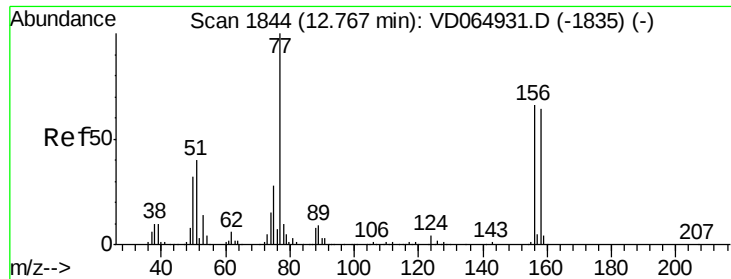
Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Tgt Ion:	75	Resp:	125043
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.560 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

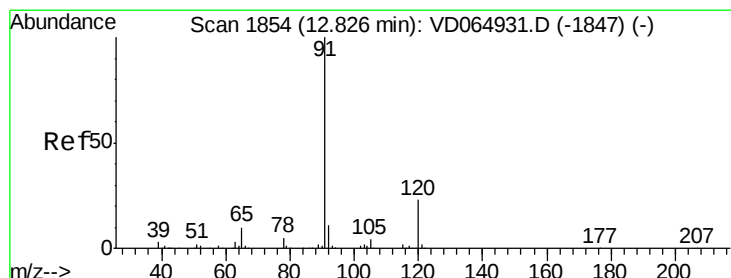
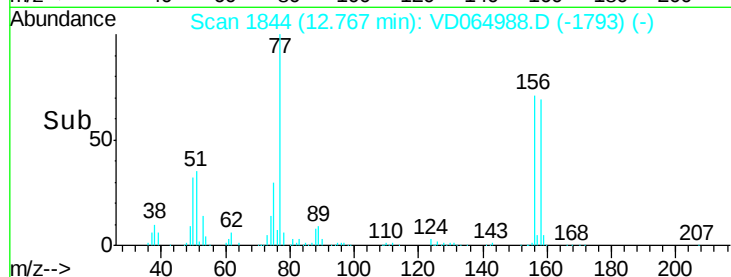
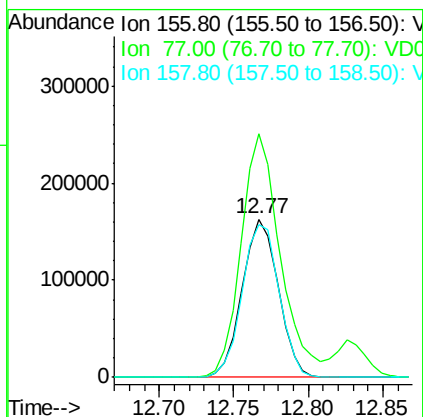
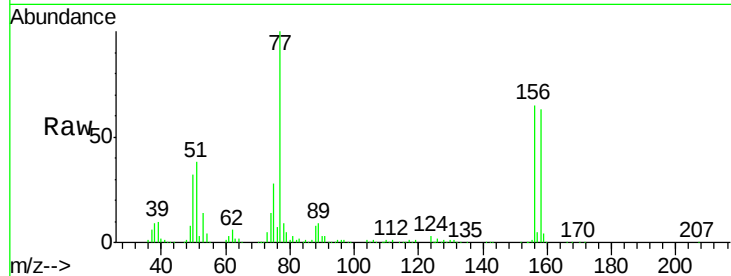
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	273044
Ion Ratio	Lower	Upper	
156	100		
77	167.1	84.2	252.5
158	99.2	48.1	144.4

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#78

n-propylbenzene

Concen: 56.504 ug/l

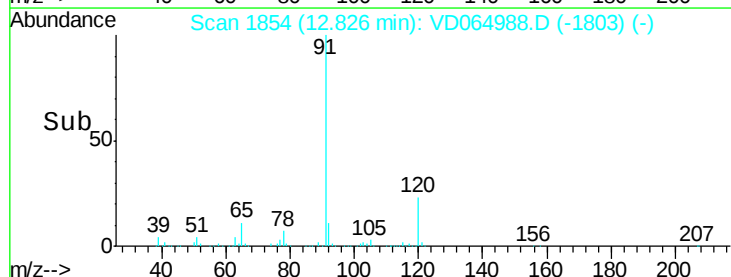
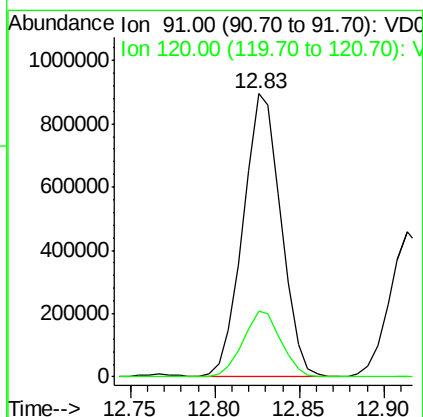
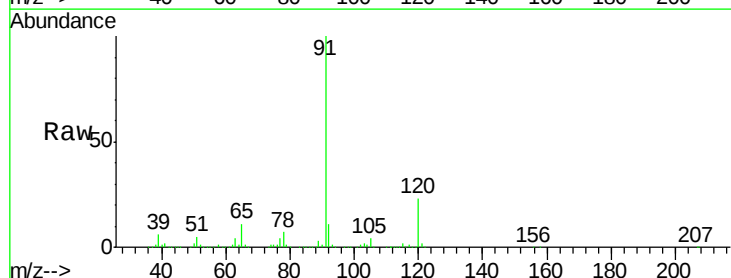
RT: 12.83 min Scan# 1854

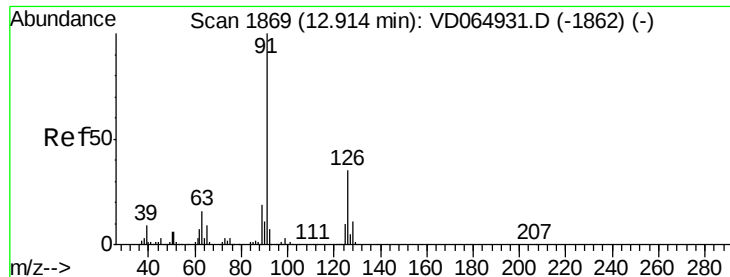
Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Tgt Ion:	91	Resp:	1400077
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.7	35.1





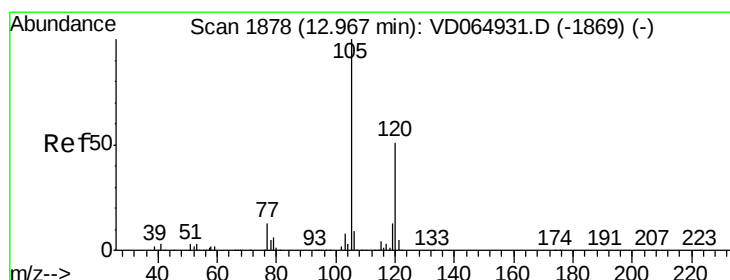
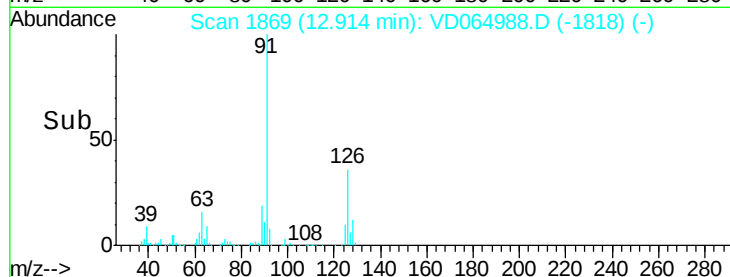
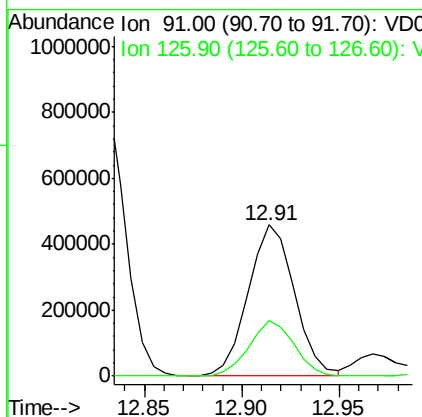
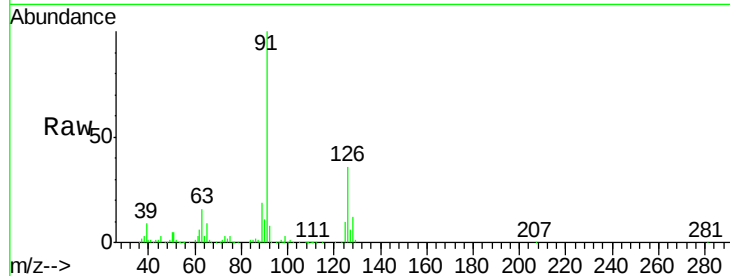
#79
 2-Chlorotoluene
 Concen: 55.642 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 756341
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.9 53.8

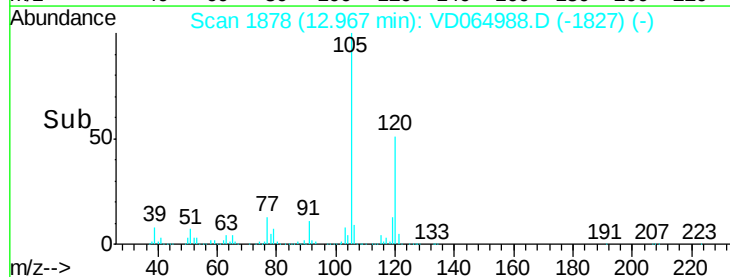
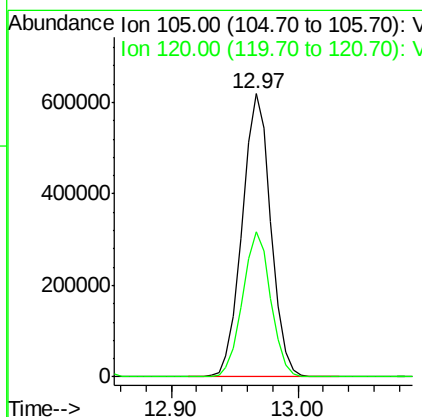
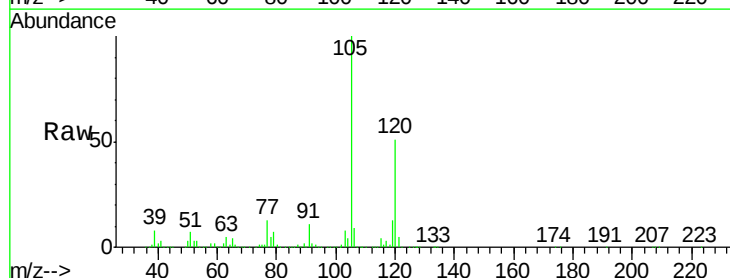
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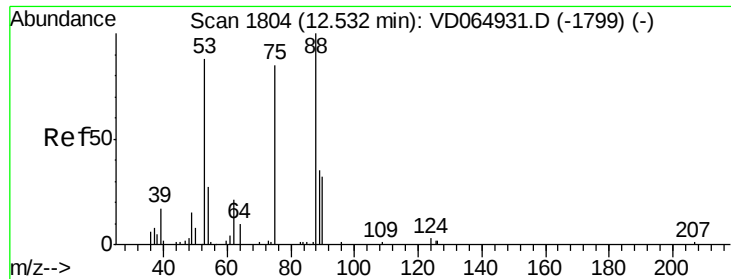
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#80
 1,3,5-Trimethylbenzene
 Concen: 56.575 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion: 105 Resp: 965987
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.6 76.8





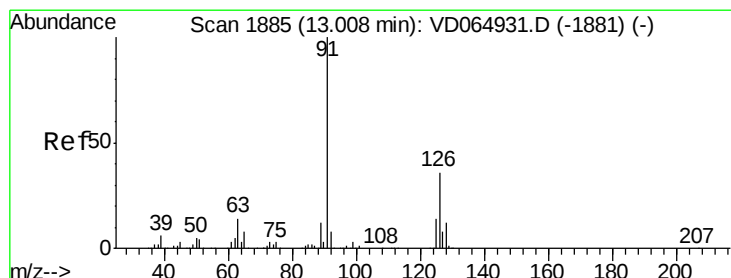
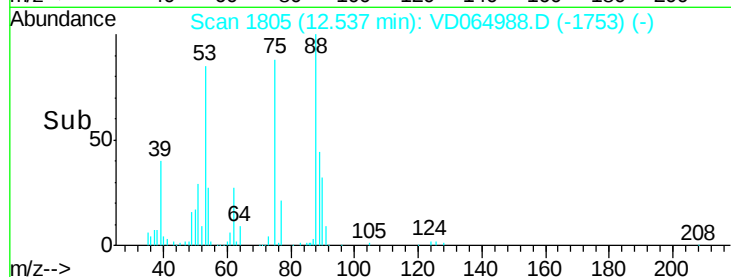
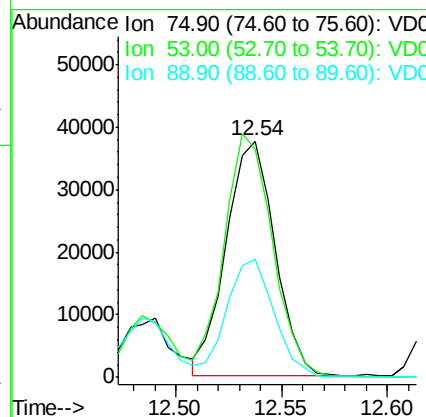
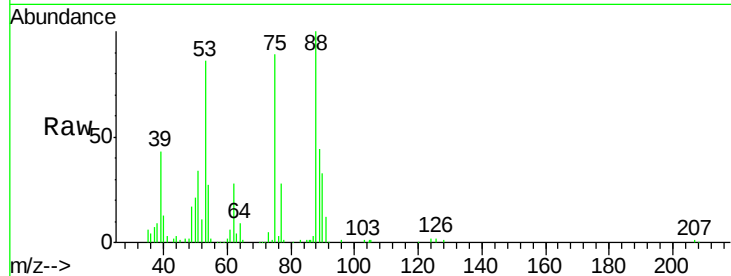
#81
trans-1,4-Dichloro-2-butene
Concen: 50.883 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.1	81.0	121.4
89	49.1	36.2	54.4

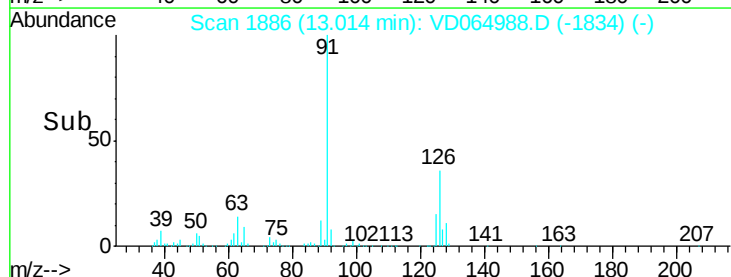
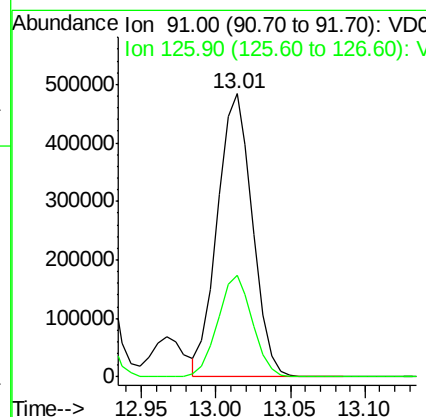
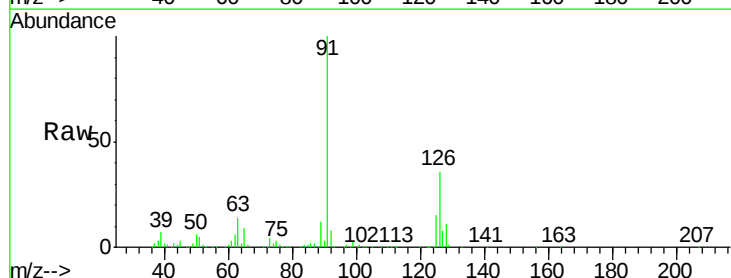
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#82
4-Chlorotoluene
Concen: 55.062 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	18.0	54.0





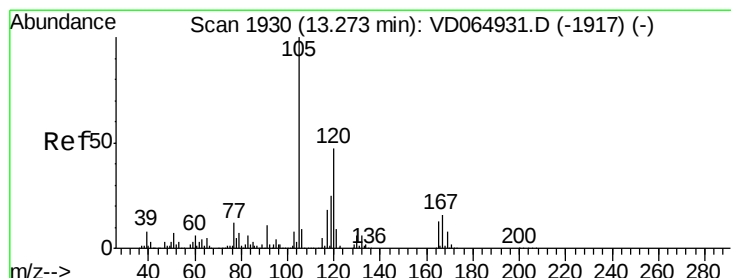
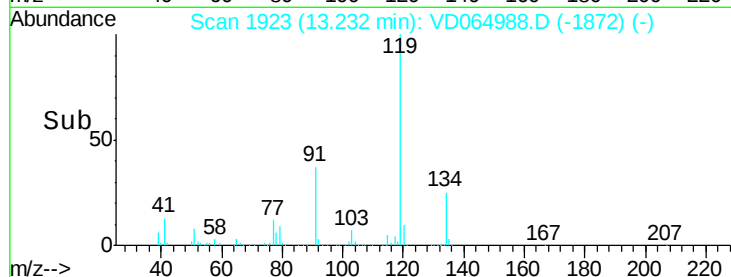
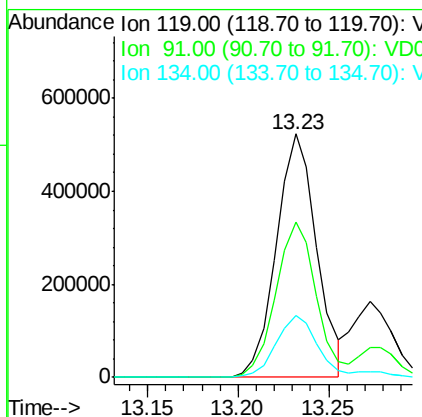
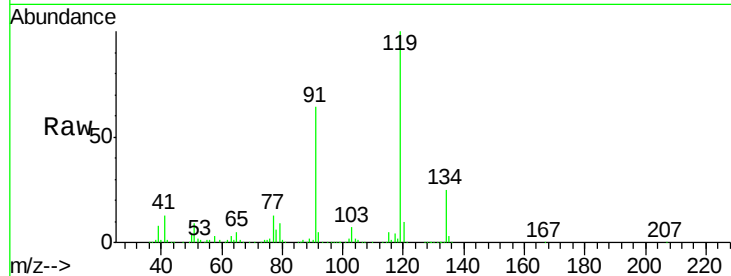
#83
tert-Butylbenzene
Concen: 55.934 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.0	96.0
134	26.5	13.9	41.6

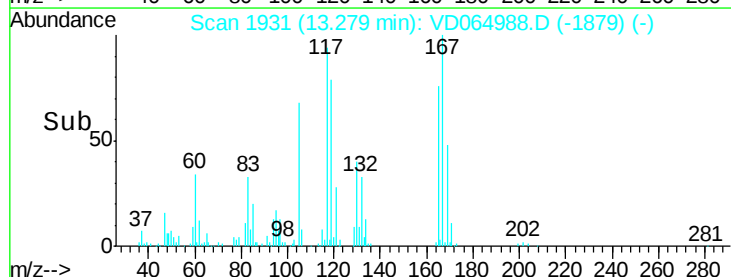
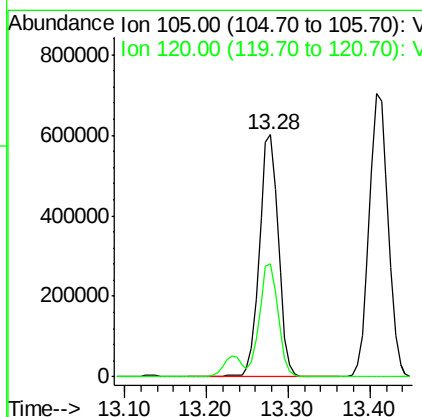
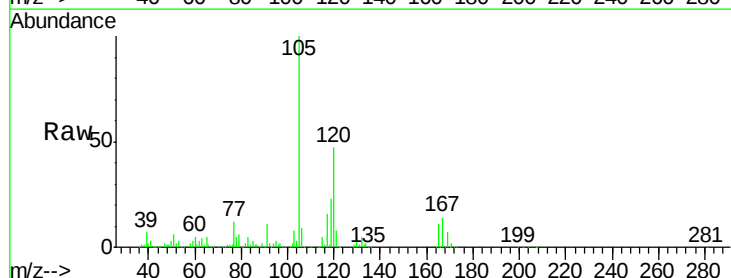
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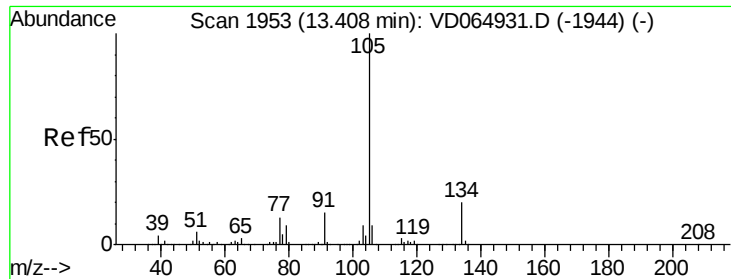
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#84
1,2,4-Trimethylbenzene
Concen: 56.017 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.3





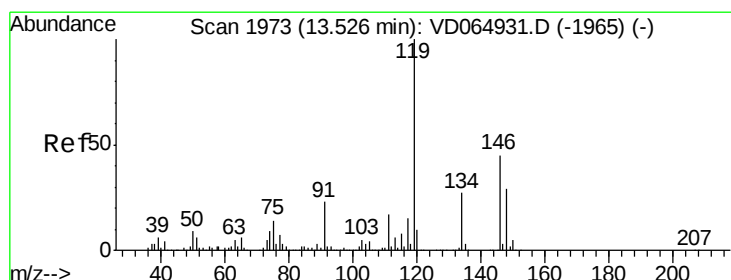
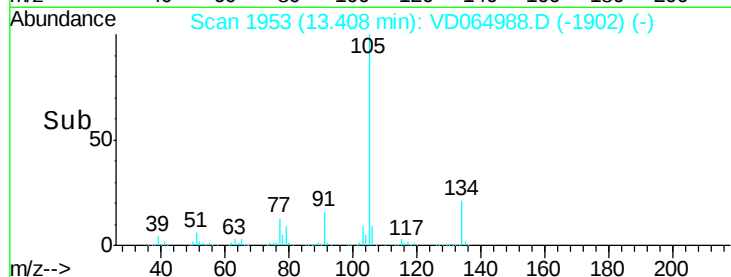
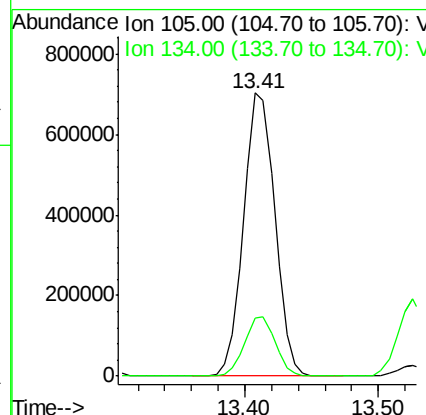
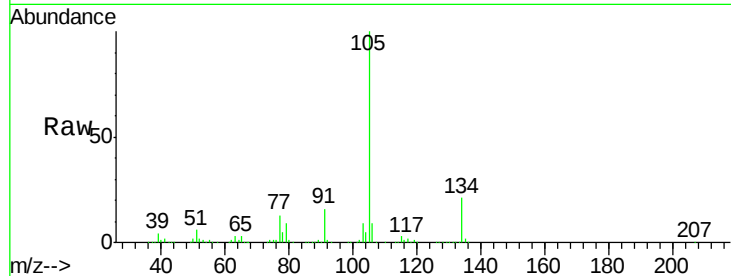
#85
 sec-Butylbenzene
 Concen: 55.575 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 1140194
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.4

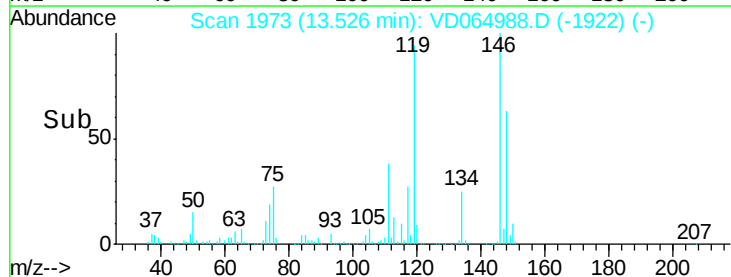
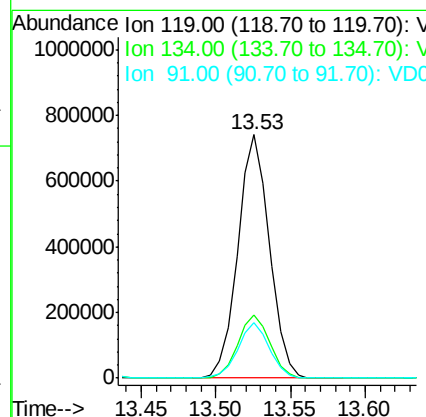
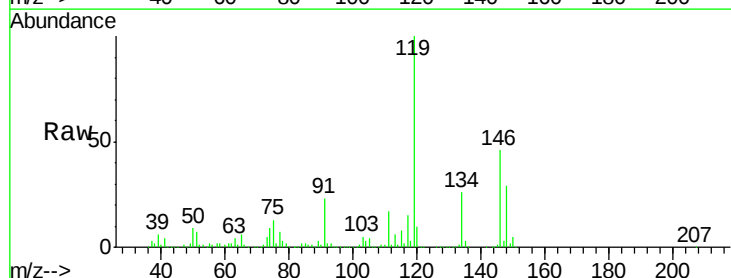
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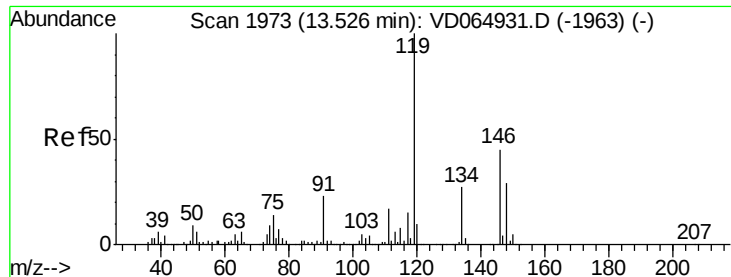
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#86
 p-Isopropyltoluene
 Concen: 56.687 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion:119 Resp: 1088288
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.9
 91 22.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 54.781 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Instrument :

MSVOA_D

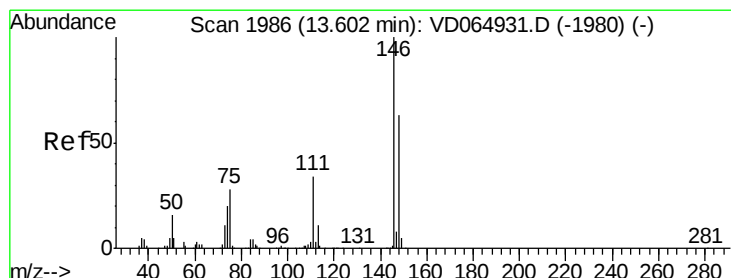
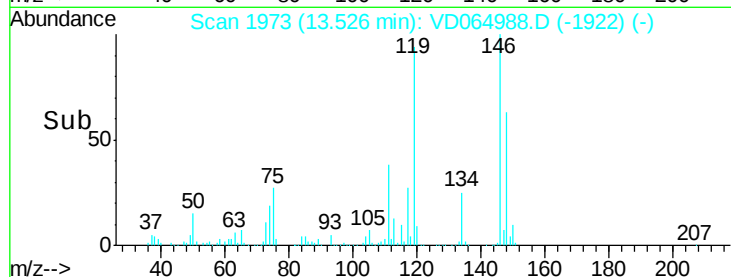
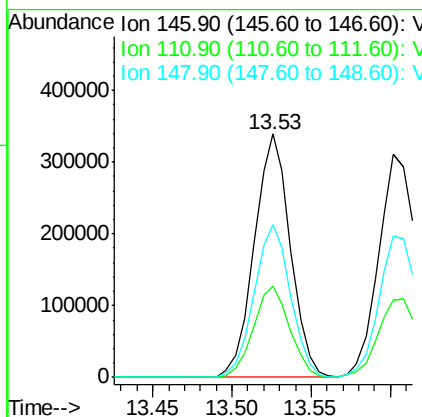
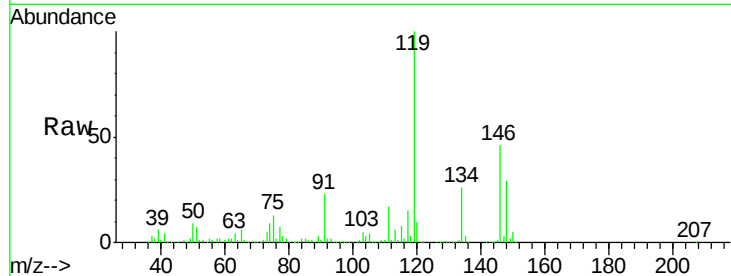
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	535835
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.9	56.9
148	63.2	32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 53.014 ug/l

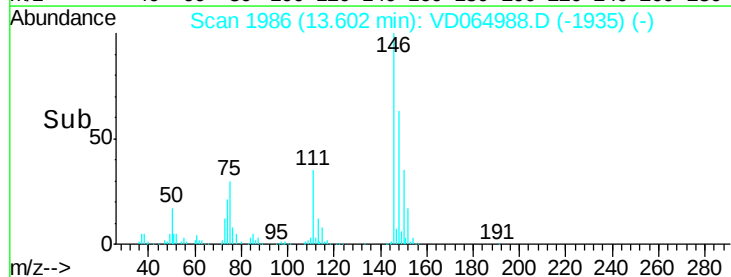
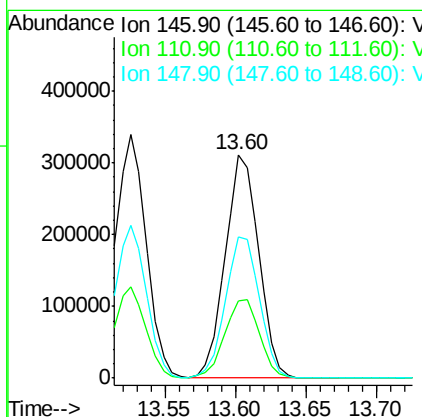
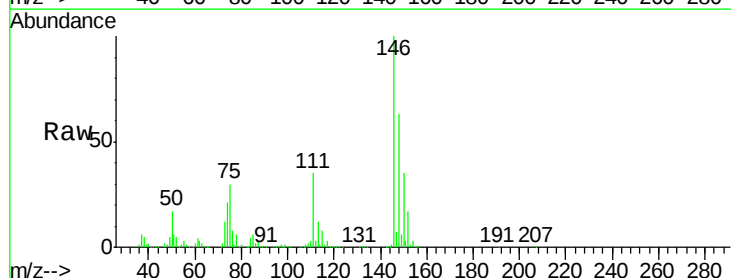
RT: 13.60 min Scan# 1986

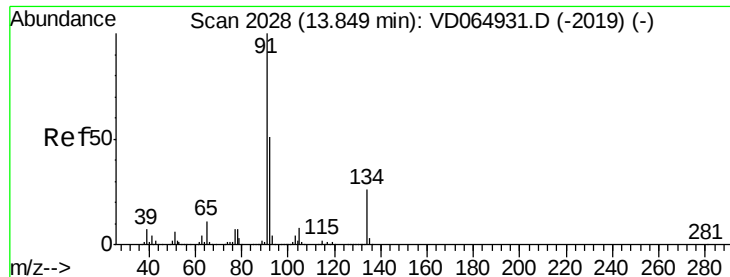
Delta R.T. -0.00 min

Lab File: VD064988.D

Acq: 29 Jan 2020 10:45

Tgt Ion:	146	Resp:	514667
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.2	54.6
148	64.5	32.0	96.0





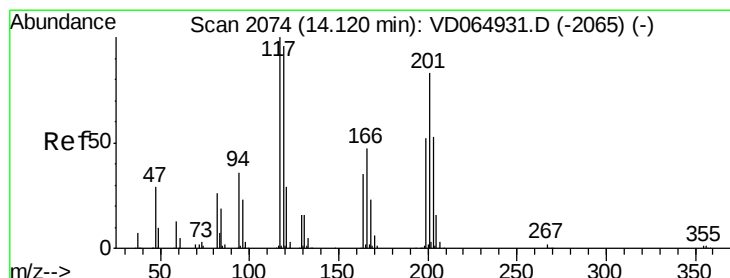
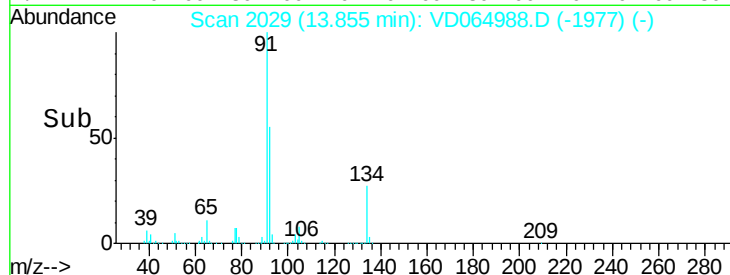
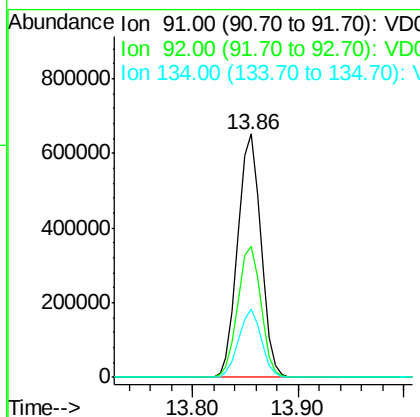
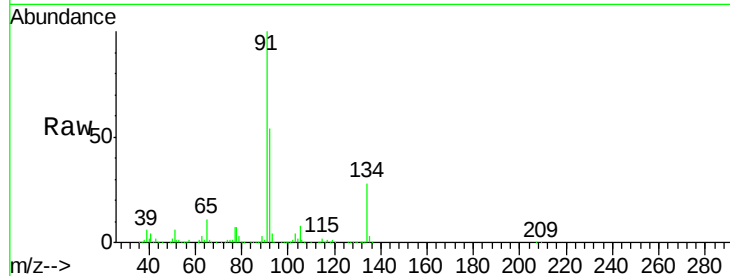
#89
n-Butylbenzene
Concen: 56.184 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.4	79.0
134	27.3	13.3	39.9

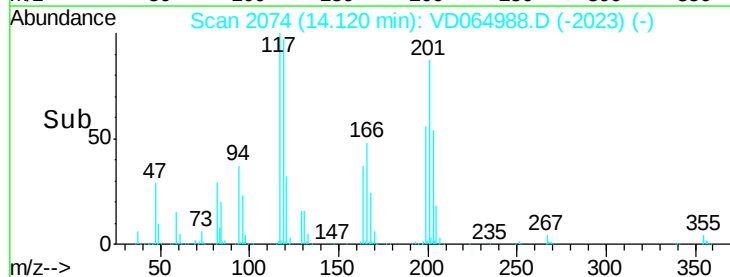
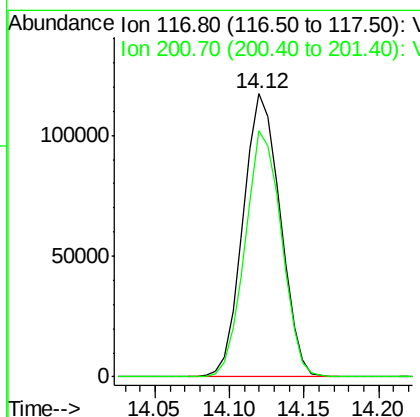
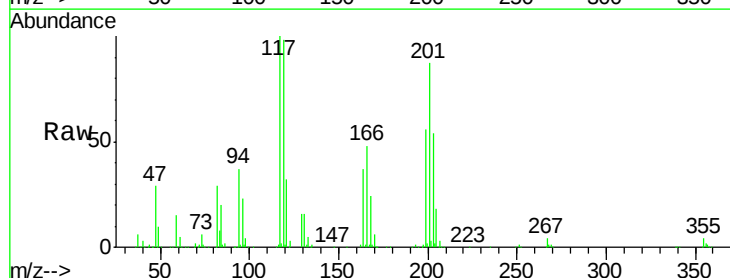
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#90
Hexachloroethane
Concen: 54.449 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	41.1	123.3





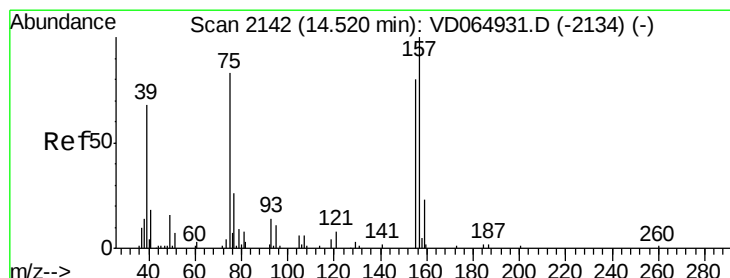
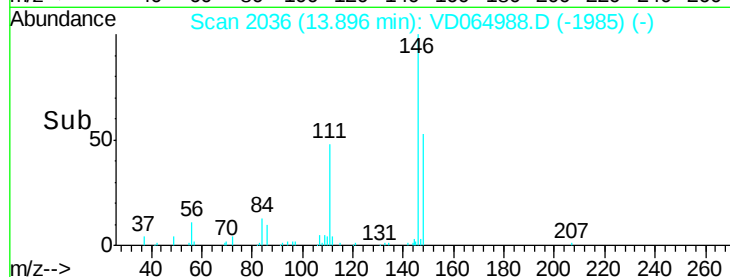
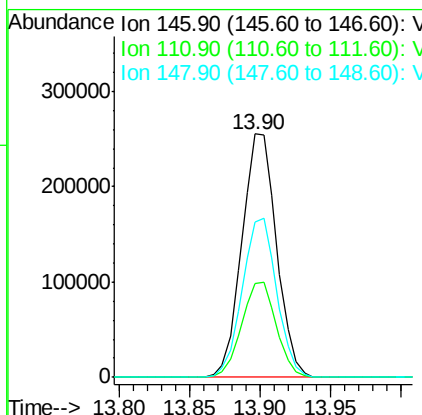
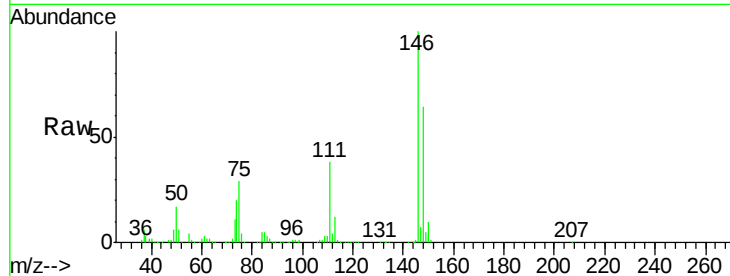
#91
 1,2-Dichlorobenzene
 Concen: 53.075 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	64.9	31.6	95.0

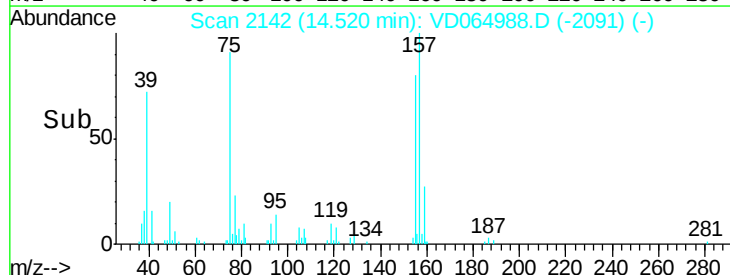
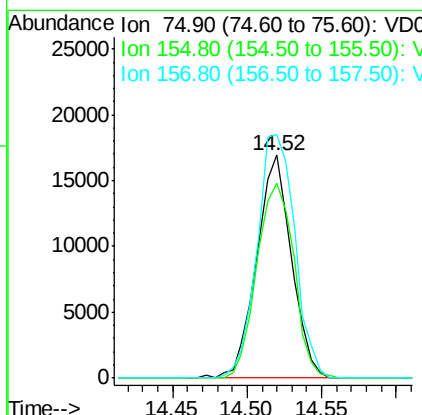
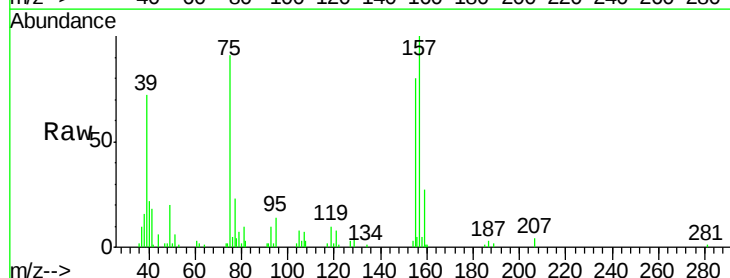
Manual Integrations
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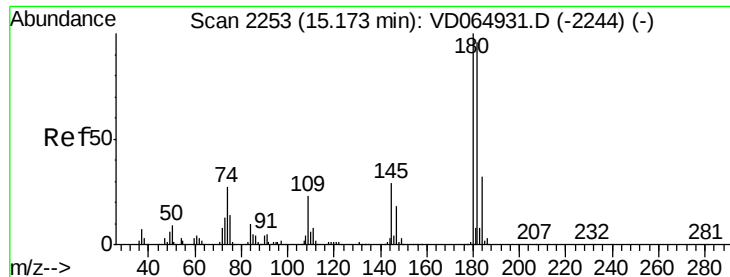
MMDadoda
 1/30/2020 10:27:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.783 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	44.9	134.7
157	118.4	58.9	176.6





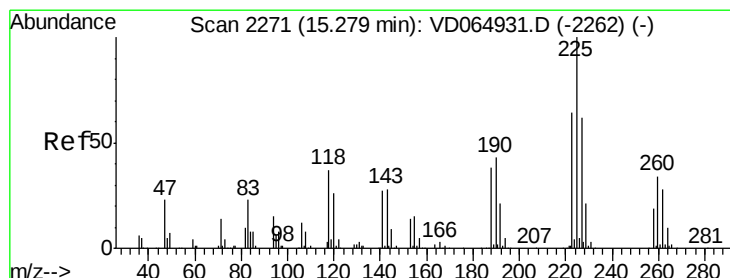
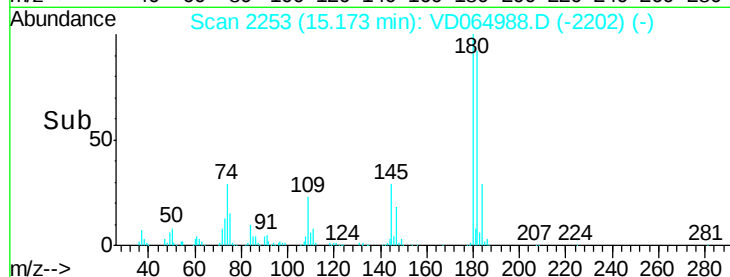
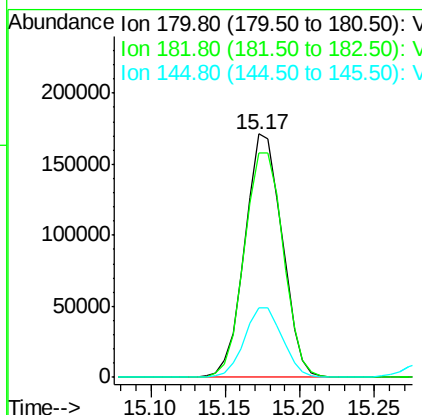
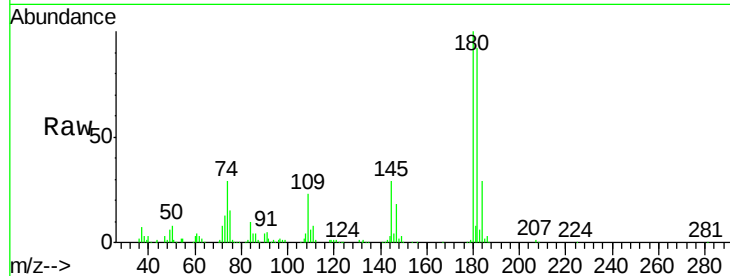
#93
 1,2,4-Trichlorobenzene
 Concen: 51.668 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.3	47.1	141.4
145	29.2	14.1	42.3

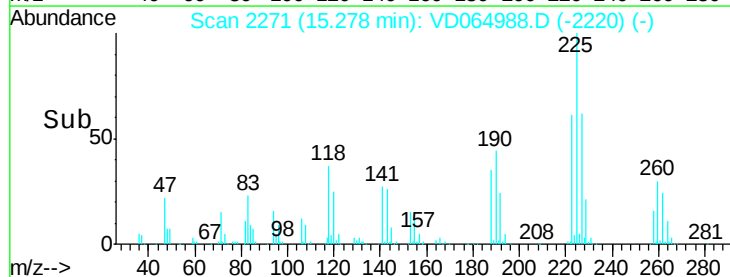
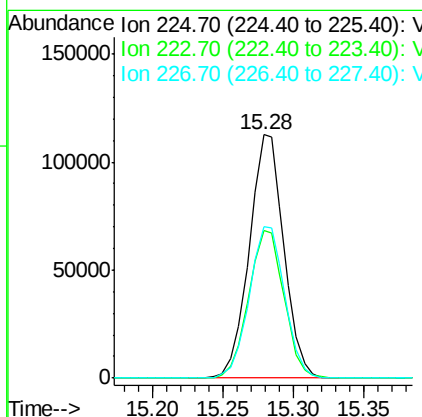
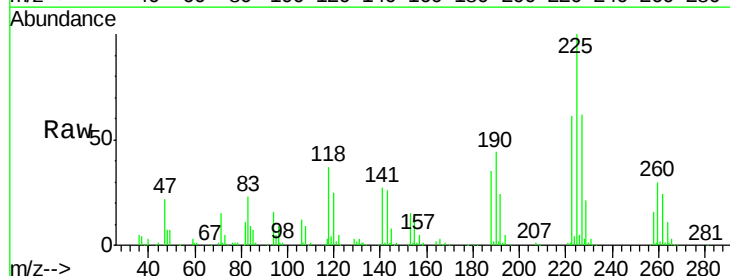
Manual Integrations
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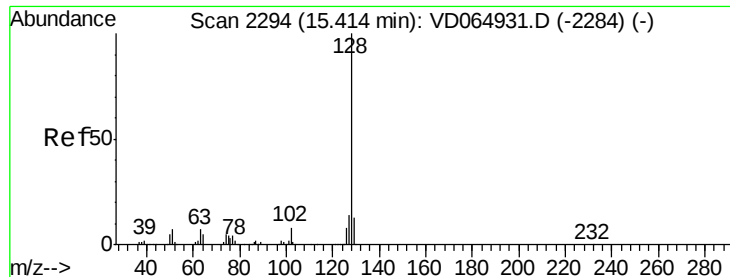
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#94
 Hexachlorobutadiene
 Concen: 53.296 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064988.D
 Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	62.0	32.4	97.2
227	63.7	31.9	95.9





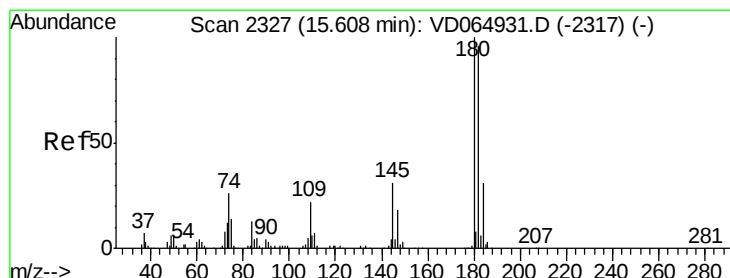
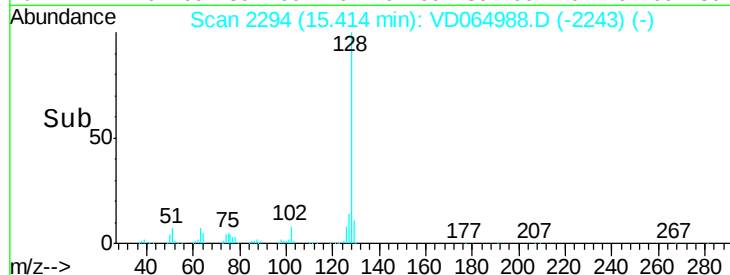
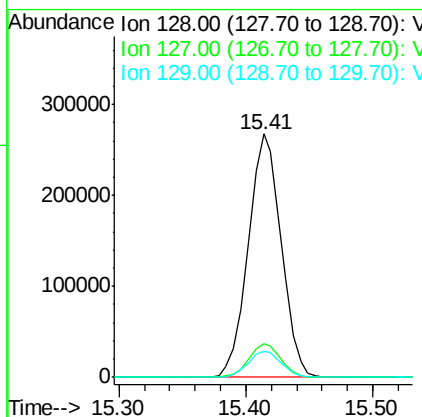
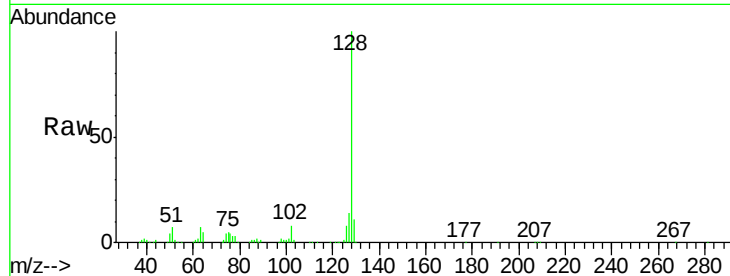
#95
Naphthalene
Concen: 52.099 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.8	9.3	13.9

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.764 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064988.D
Acq: 29 Jan 2020 10:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	30.7	14.6	43.8

