

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064986.D
 Acq On : 28 Jan 2020 19:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/29/2020 12:56:12 PM

Quant Time: Jan 29 03:13:14 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	7.99	168	469375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	711170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	633989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306550	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	234549	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	7.93	113	223792	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.34	98	861756	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.64	95	271720	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	166730	47.151	ug/l	99
3) Chloromethane	2.21	50	253428	48.901	ug/l	96
4) Vinyl Chloride	2.35	62	288317	48.437	ug/l	99
5) Bromomethane	2.77	94	193842	48.412	ug/l	97
6) Chloroethane	2.93	64	194690	49.612	ug/l	98
7) Trichlorofluoromethane	3.27	101	439179	47.774	ug/l	99
8) Diethyl Ether	3.71	74	108599	52.330	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	204872	47.902	ug/l	99
10) Methyl Iodide	4.30	142	244111	53.771	ug/l	100
11) Tert butyl alcohol	5.24	59	64093	257.607	ug/l	96
12) 1,1-Dichloroethene	4.06	96	203585	49.827	ug/l	95
13) Acrolein	3.93	56	97789	313.527	ug/l	97
14) Allyl chloride	4.71	41	346355	53.151	ug/l	99
15) Acrylonitrile	5.43	53	237805	264.617	ug/l	99
16) Acetone	4.17	43	233570	215.640	ug/l	100
17) Carbon Disulfide	4.40	76	647167	48.128	ug/l	98
18) Methyl Acetate	4.73	43	109804	52.073	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	504289	55.238	ug/l	97
20) Methylene Chloride	4.97	84	242127	56.082	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	239384	50.853	ug/l	97
22) Diisopropyl ether	6.37	45	710208	54.687	ug/l	99
23) Vinyl Acetate	6.31	43	2091599	275.080	ug/l	99
24) 1,1-Dichloroethane	6.27	63	415944	52.165	ug/l	97
25) 2-Butanone	7.23	43	319207	262.427	ug/l	99
26) 2,2-Dichloropropane	7.21	77	364679	50.422	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	263213	52.387	ug/l	100
28) Bromochloromethane	7.56	49	171580	53.806	ug/l	98
29) Tetrahydrofuran	7.57	42	199860	266.302	ug/l	99
30) Chloroform	7.72	83	434395	52.701	ug/l	96
31) Cyclohexane	7.99	56	343262	43.761	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	385240	50.240	ug/l	99
36) 1,1-Dichloropropene	8.11	75	324502	47.319	ug/l	98
37) Ethyl Acetate	7.30	43	147247	51.983	ug/l	98
38) Carbon Tetrachloride	8.10	117	350116	48.303	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	364524	45.466	ug/l	95
40) Benzene	8.36	78	951046	50.354	ug/l	100
41) Methacrylonitrile	7.54	41	90244m	59.141	ug/l	
42) 1,2-Dichloroethane	8.43	62	283862	50.454	ug/l	98
43) Isopropyl Acetate	8.46	43	280963	52.217	ug/l	98
44) Trichloroethene	9.11	130	263426	49.835	ug/l	99
45) 1,2-Dichloropropane	9.39	63	229440	50.111	ug/l	96
46) Dibromomethane	9.48	93	125250	50.105	ug/l	99
47) Bromodichloromethane	9.67	83	340965	52.419	ug/l	99
48) Methyl methacrylate	9.46	41	131396	53.066	ug/l	97
49) 1,4-Dioxane	9.47	88	28915	997.356	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	706967	262.590	ug/l	100
52) Toluene	10.41	92	612320	50.285	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	322285	52.015	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	377307	52.011	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	169516	50.344	ug/l	99
56) Ethyl methacrylate	10.67	69	220600	54.786	ug/l	98
57) 1,3-Dichloropropane	10.96	76	297672	51.543	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	333005	248.936	ug/l	100
59) 2-Hexanone	10.99	43	485012	261.172	ug/l	99
60) Dibromochloromethane	11.15	129	233819	51.955	ug/l	99
61) 1,2-Dibromoethane	11.26	107	168844	52.077	ug/l	99
64) Tetrachloroethene	10.88	164	219622	47.938	ug/l	97
65) Chlorobenzene	11.68	112	638943	49.637	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	243407	50.280	ug/l	98
67) Ethyl Benzene	11.75	91	1133428	49.597	ug/l	98
68) m/p-Xylenes	11.86	106	882463	100.293	ug/l	100
69) o-Xylene	12.19	106	397350	50.883	ug/l	99
70) Styrene	12.20	104	718204	51.629	ug/l	99
71) Bromoform	12.37	173	140646	52.264	ug/l #	97
73) Isopropylbenzene	12.48	105	1029676	49.144	ug/l	98
74) N-amyl acetate	12.30	43	256628	54.736	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	179633	51.010	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	125984m	49.514	ug/l	
77) Bromobenzene	12.77	156	263072	51.316	ug/l	99
78) n-propylbenzene	12.83	91	1213968	48.720	ug/l	100
79) 2-Chlorotoluene	12.91	91	680339	49.771	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	856082	49.858	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	59552	49.975	ug/l	99
82) 4-Chlorotoluene	13.01	91	726867	50.141	ug/l	98
83) tert-Butylbenzene	13.23	119	707868	48.580	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	853424	49.065	ug/l	100
85) sec-Butylbenzene	13.41	105	977348	47.372	ug/l	99
86) p-Isopropyltoluene	13.53	119	932281	48.290	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	479686	48.767	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	475237	48.679	ug/l	99
89) n-Butylbenzene	13.86	91	828862	47.044	ug/l	100
90) Hexachloroethane	14.12	117	174593	46.895	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	416048	49.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28358	50.320	ug/l	97

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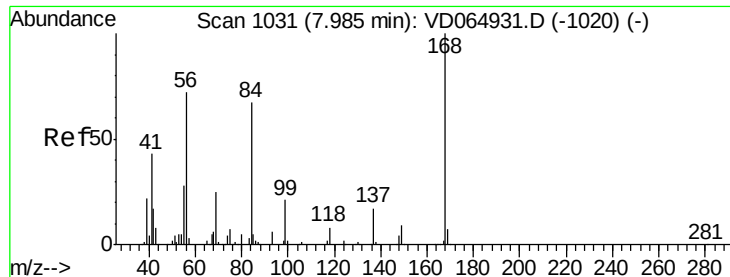
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	279407	48.365	ug/l	100
94) Hexachlorobutadiene	15.28	225	164327	44.970	ug/l	99
95) Naphthalene	15.41	128	490225	52.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	241241	48.161	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 469375

Ion Ratio Lower Upper

168 100

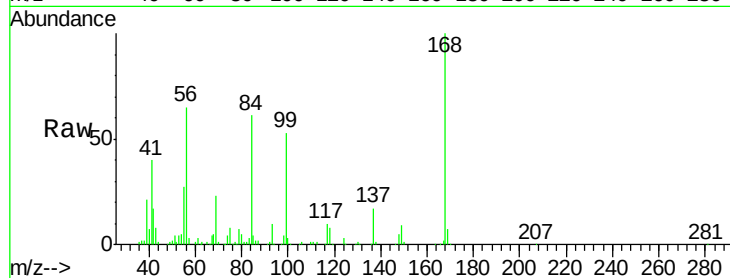
99 52.6 43.3 64.9

Manual Integrations

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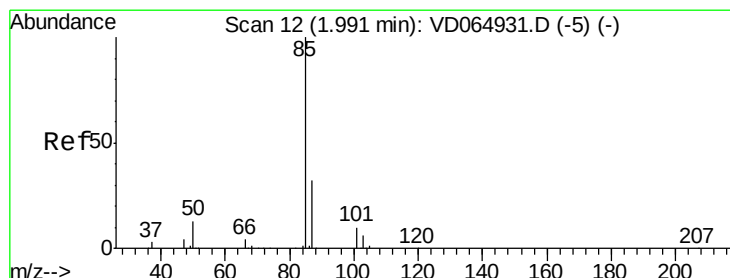
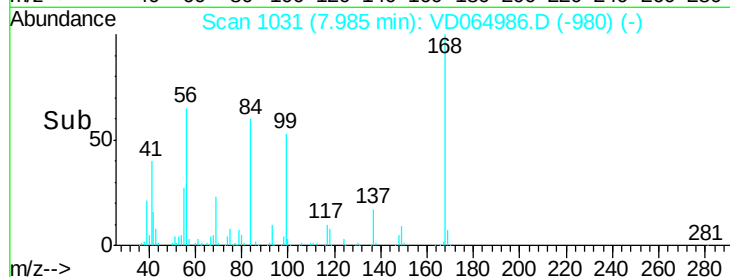
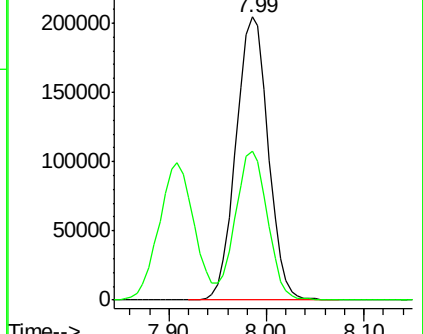
MMDadoda

1/29/2020 12:56:12 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.151 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064986.D

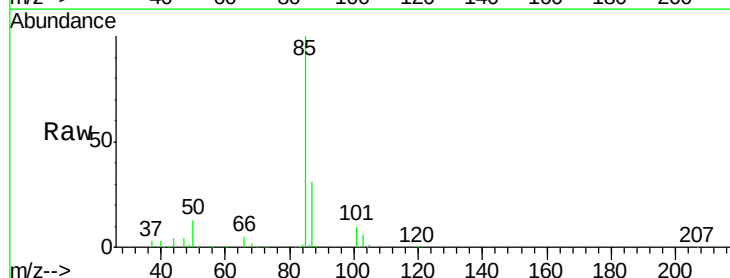
Acq: 28 Jan 2020 19:44

Tgt Ion: 85 Resp: 166730

Ion Ratio Lower Upper

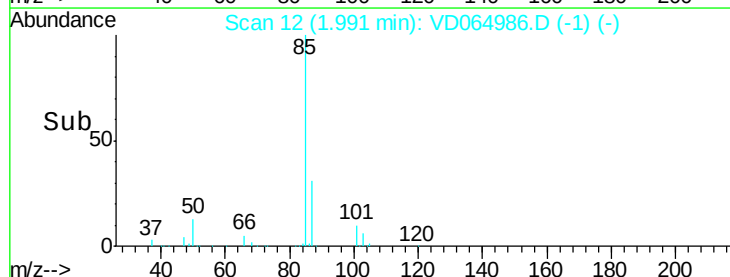
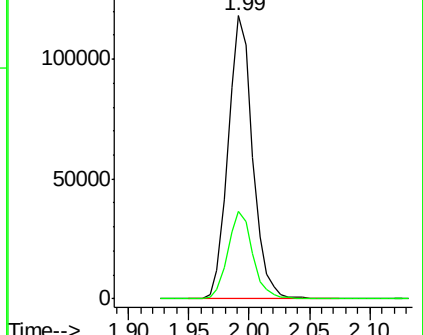
85 100

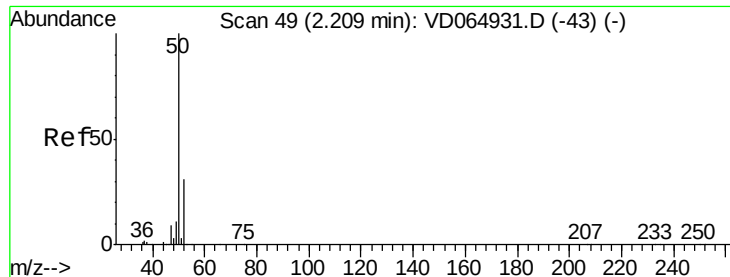
87 30.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.901 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 253428

Ion Ratio Lower Upper

50 100

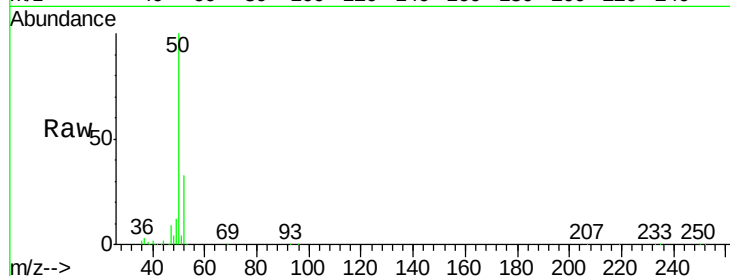
52 33.1 24.6 36.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

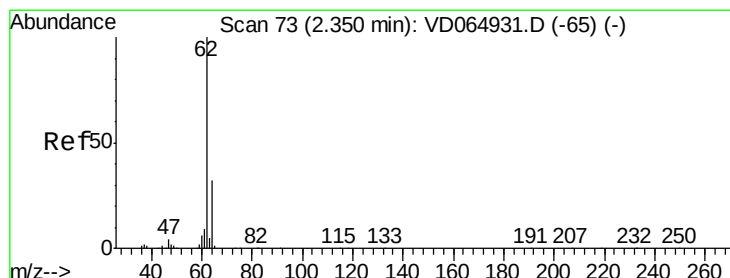
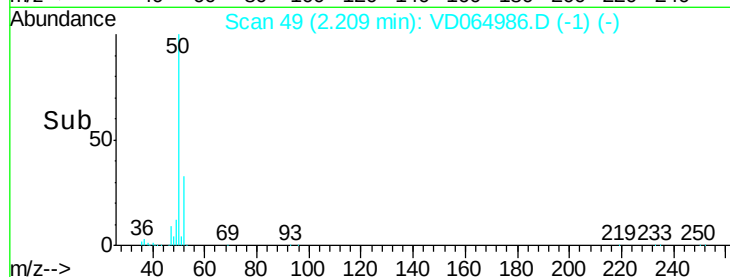
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.437 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064986.D

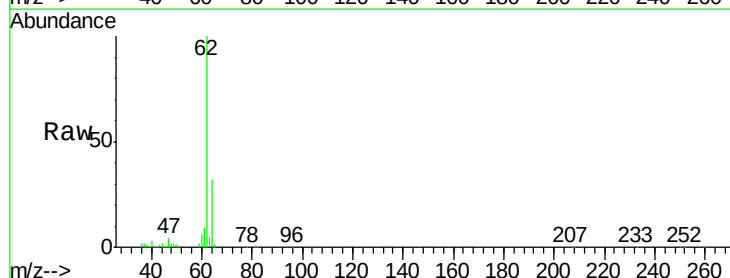
Acq: 28 Jan 2020 19:44

Tgt Ion: 62 Resp: 288317

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

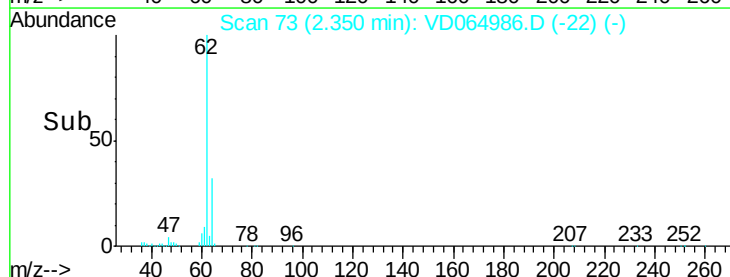
150000

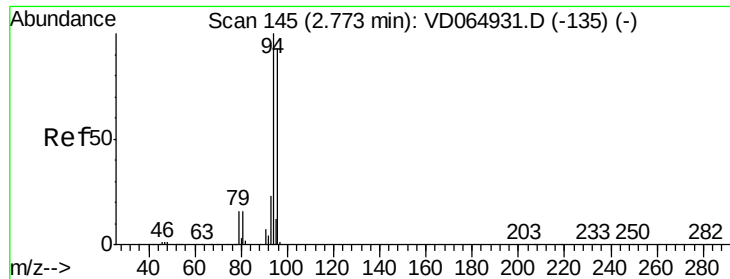
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.412 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 193842

Ion Ratio Lower Upper

94 100

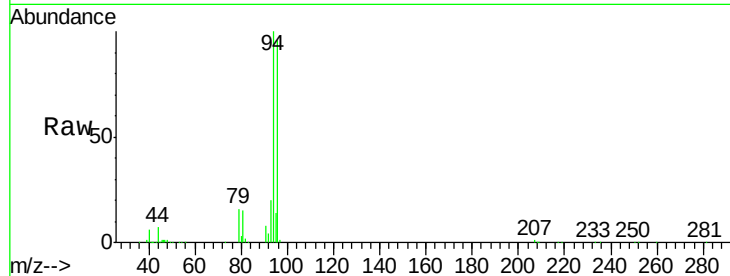
96 95.7 74.6 111.8

Manual Integrations

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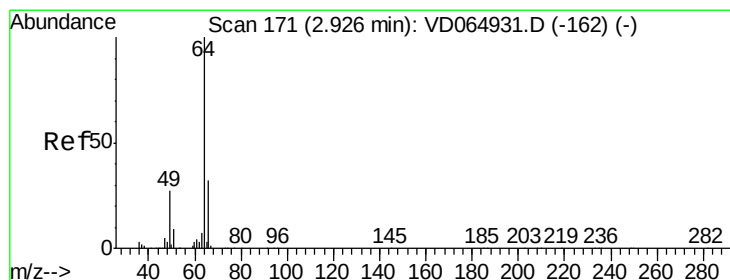
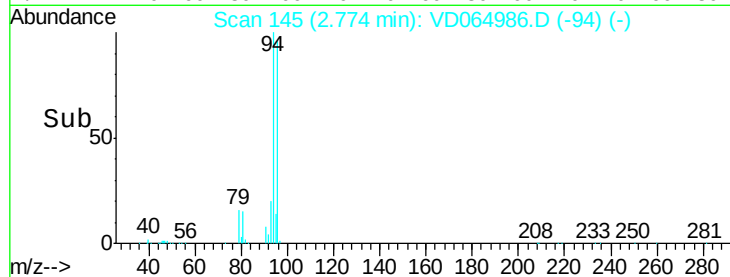
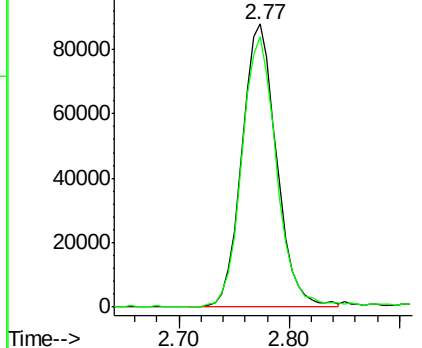
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.612 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064986.D

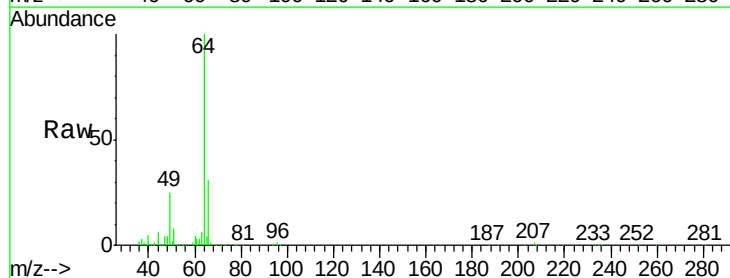
Acq: 28 Jan 2020 19:44

Tgt Ion: 64 Resp: 194690

Ion Ratio Lower Upper

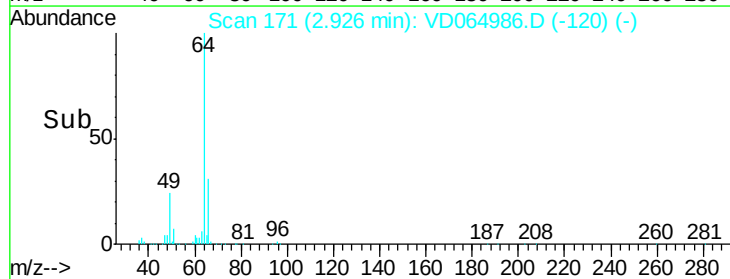
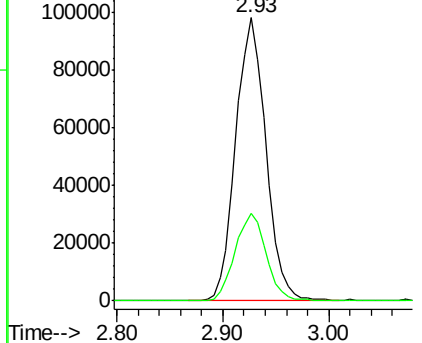
64 100

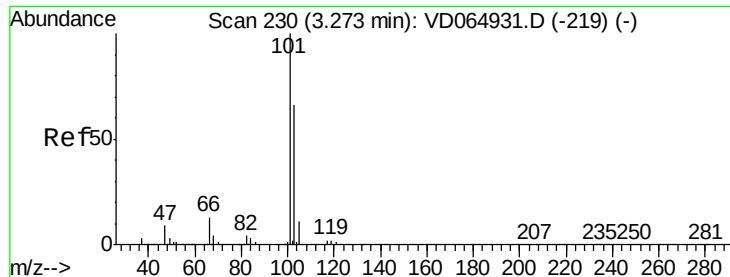
66 30.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

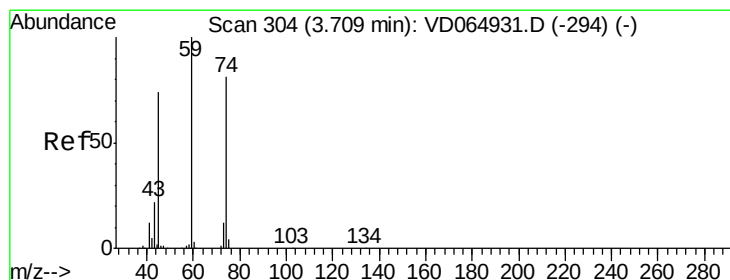
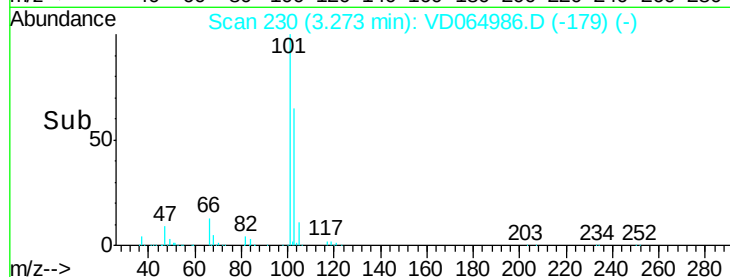
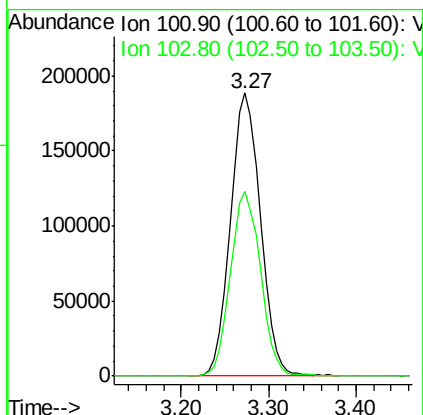
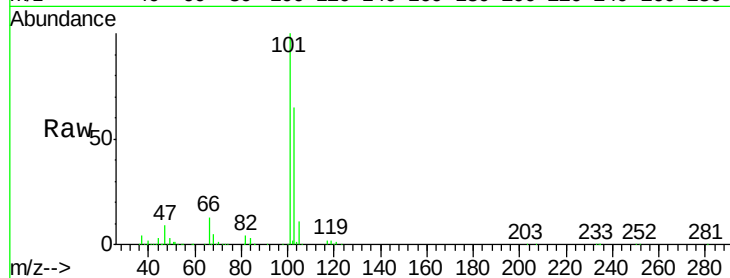
Trichlorofluoromethane
Concen: 47.774 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.5	78.7

Manual Integrations
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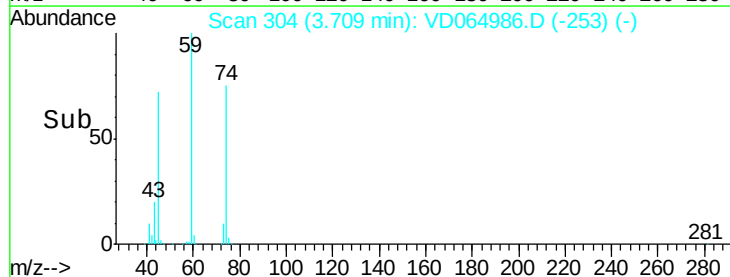
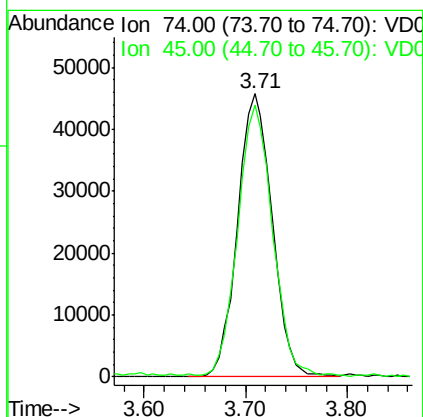
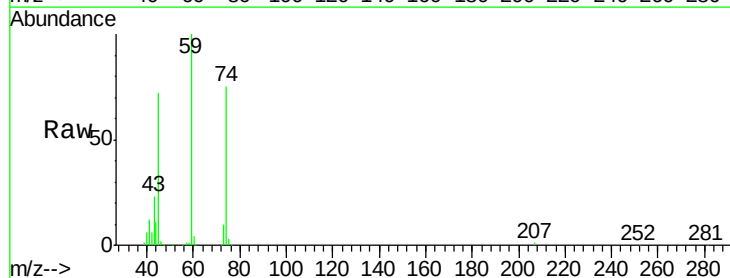
MMDadoda
1/29/2020 12:56:12 PM

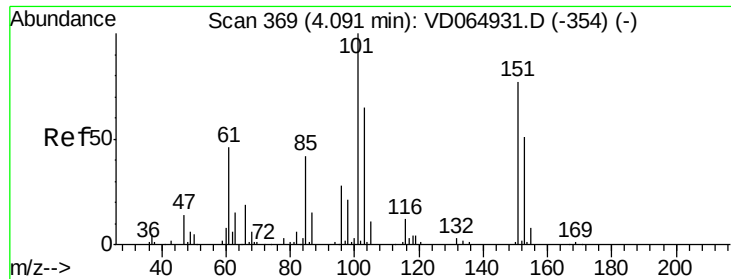


#8

Diethyl Ether
Concen: 52.330 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.902 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

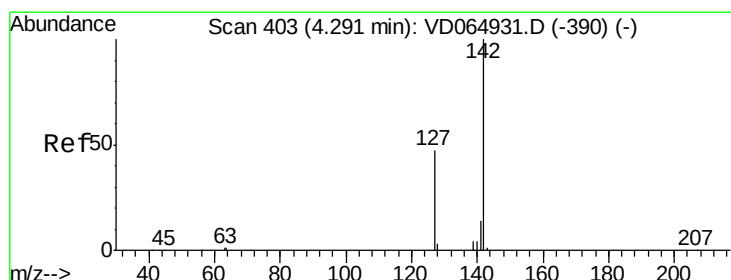
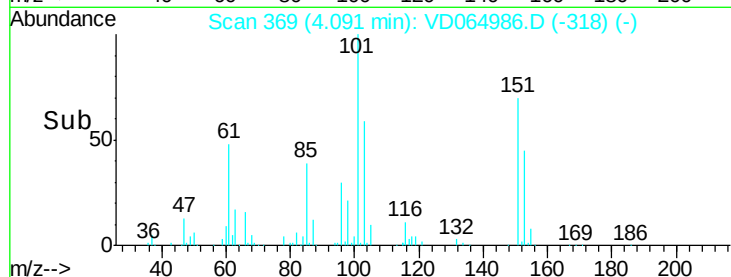
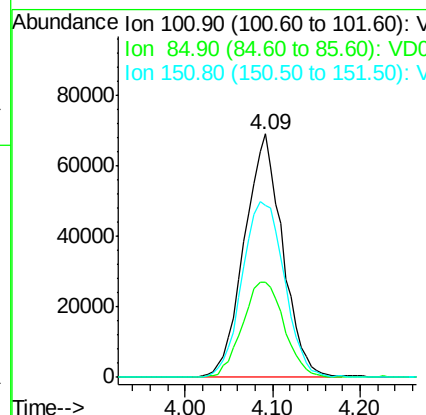
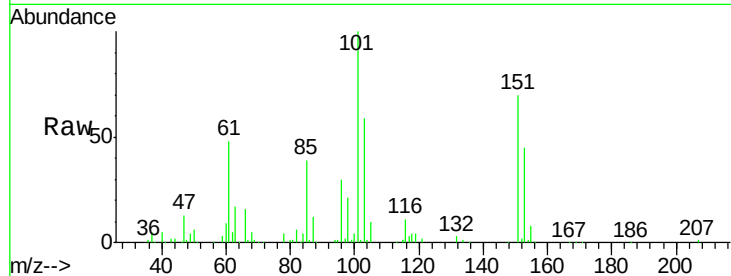
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	204872
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.0	52.4
151	79.8	64.6	96.8

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#10

Methyl Iodide

Concen: 53.771 ug/l

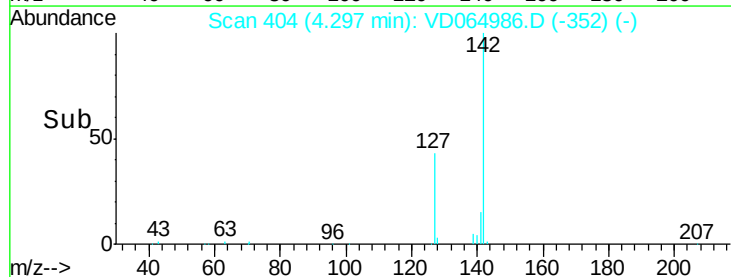
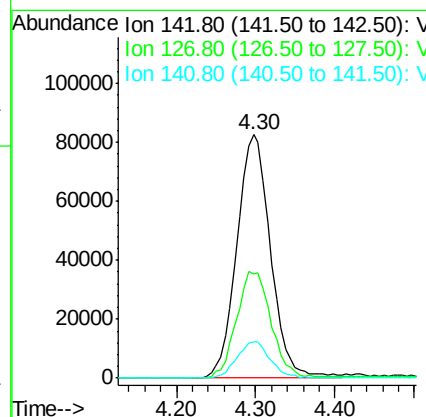
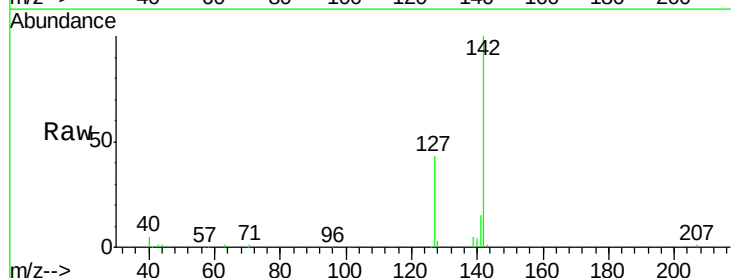
RT: 4.30 min Scan# 404

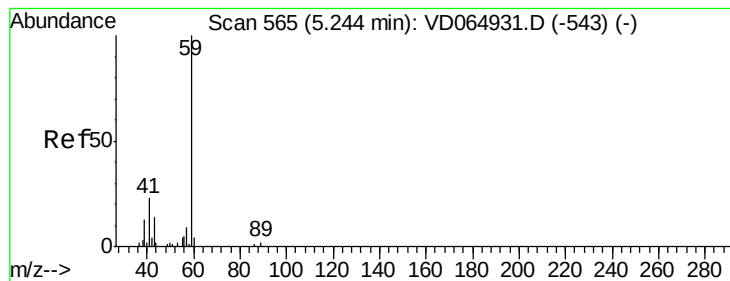
Delta R.T. 0.01 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Tgt Ion:	142	Resp:	244111
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.2	54.2
141	14.8	11.6	17.4





#11

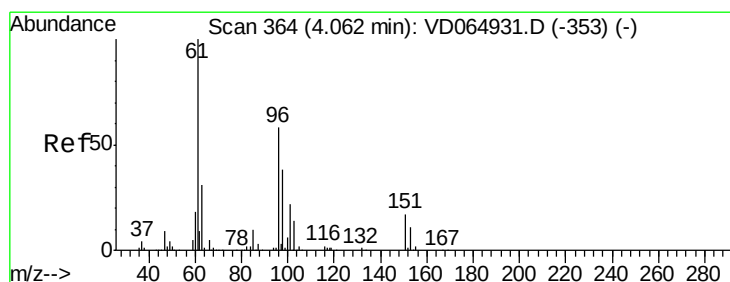
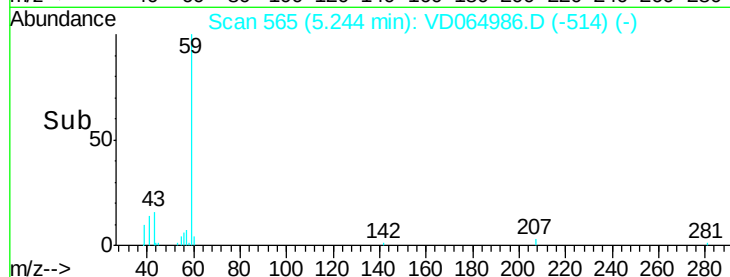
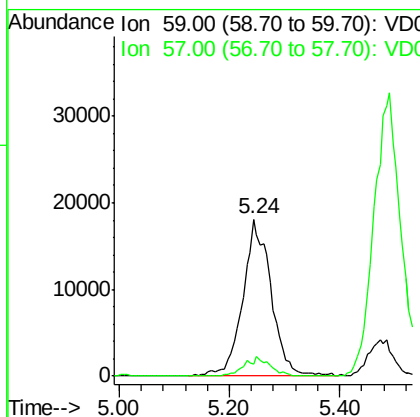
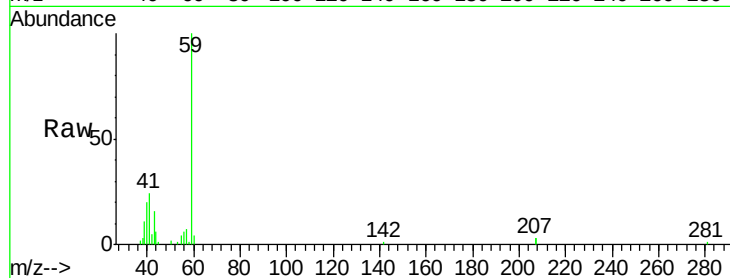
Tert butyl alcohol
 Concen: 257.607 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	7.7	11.5

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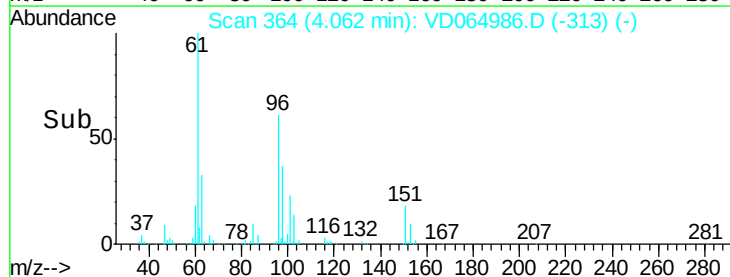
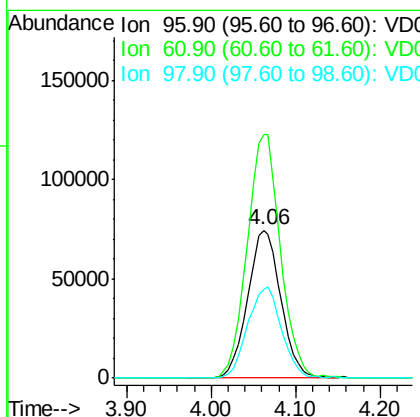
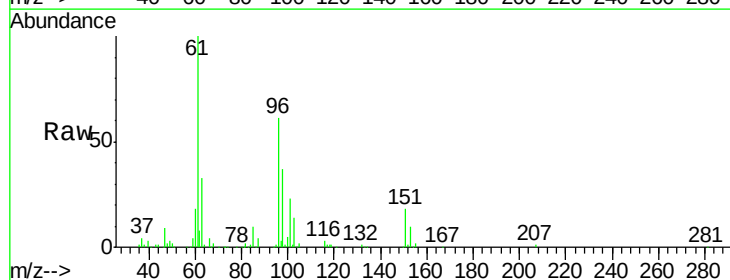
MMDadoda
 1/29/2020 12:56:12 PM

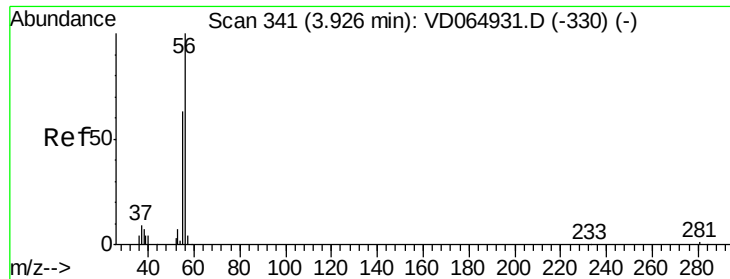


#12

1,1-Dichloroethene
 Concen: 49.827 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.6	137.0	205.4
98	60.3	52.1	78.1





#13

Acrolein

Concen: 313.527 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 97789

Ion Ratio Lower Upper

56 100

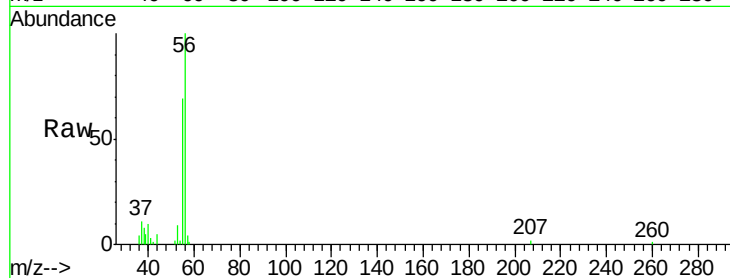
55 71.7 59.7 89.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

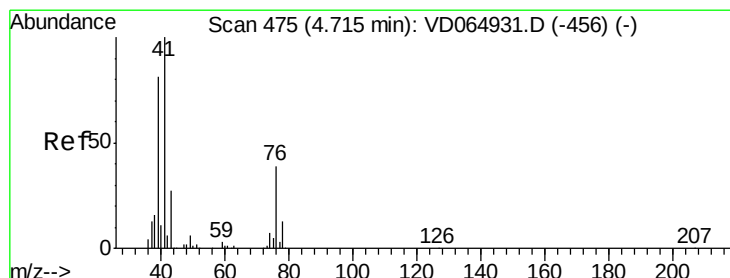
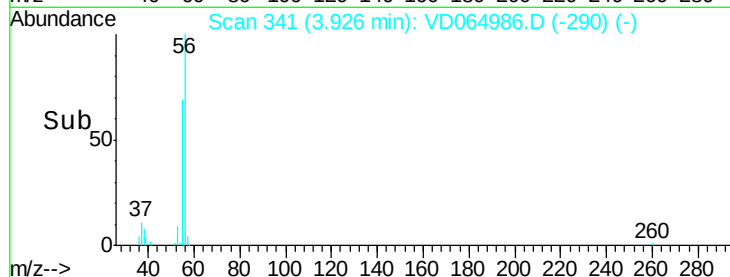
30000

20000

10000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 53.151 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

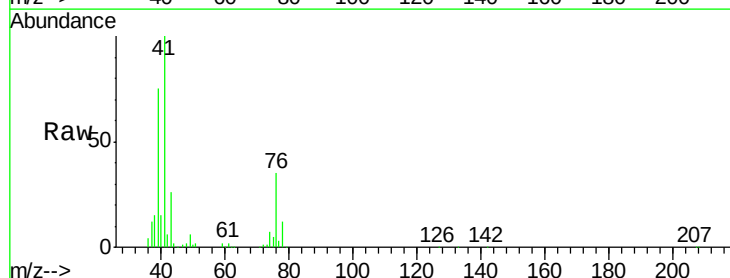
Tgt Ion: 41 Resp: 346355

Ion Ratio Lower Upper

41 100

39 76.5 62.0 93.0

76 37.0 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

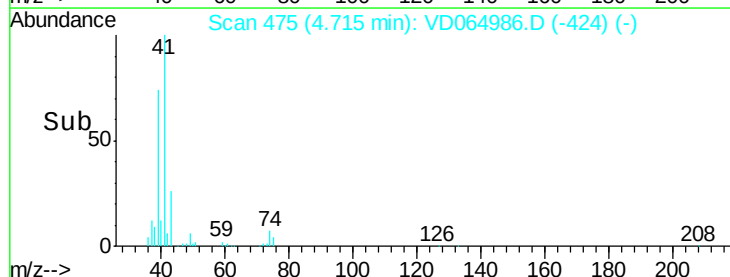
150000

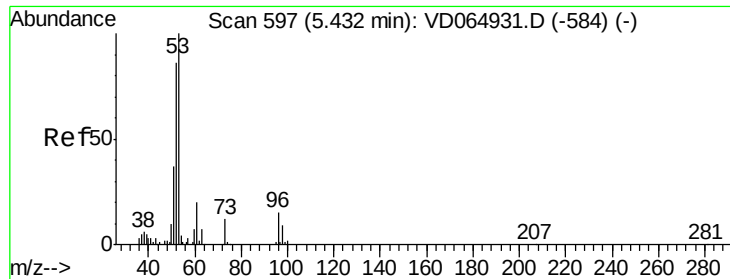
100000

50000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 264.617 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

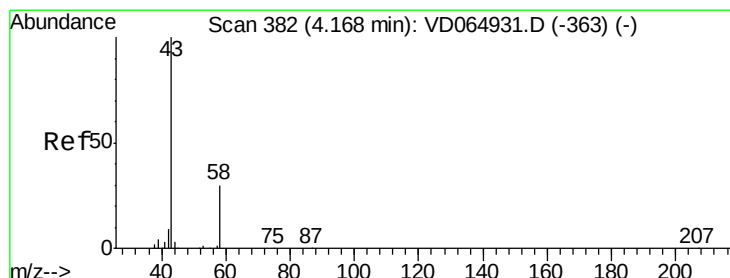
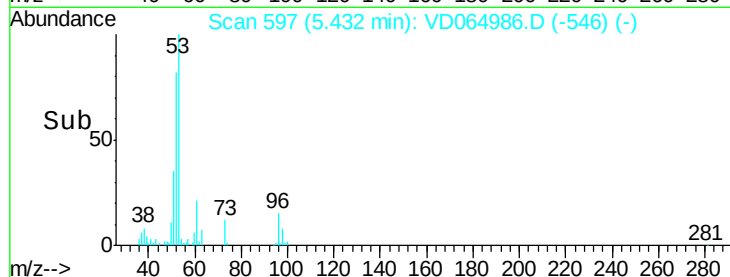
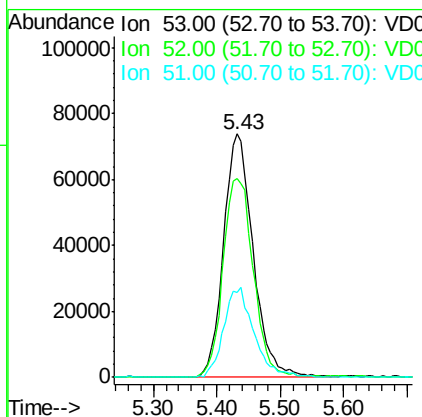
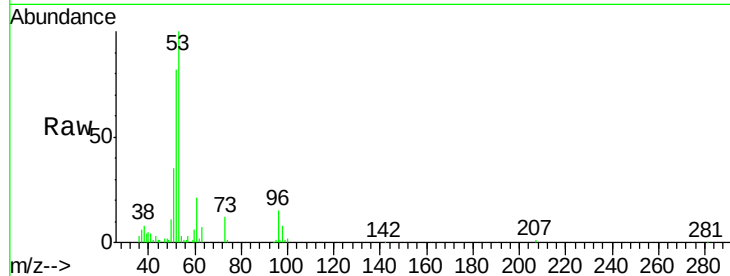
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	237805
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.7	100.1
51	37.8	31.1	46.7

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#16

Acetone

Concen: 215.640 ug/l

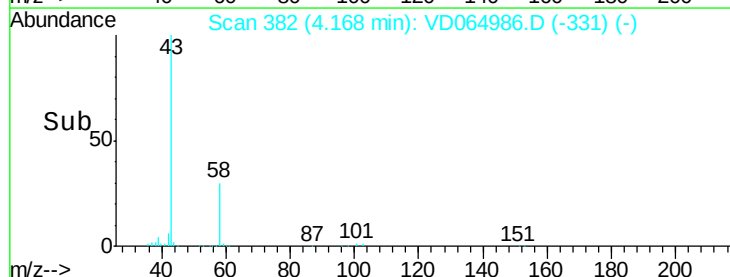
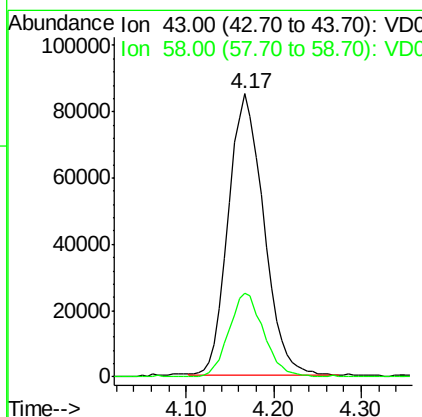
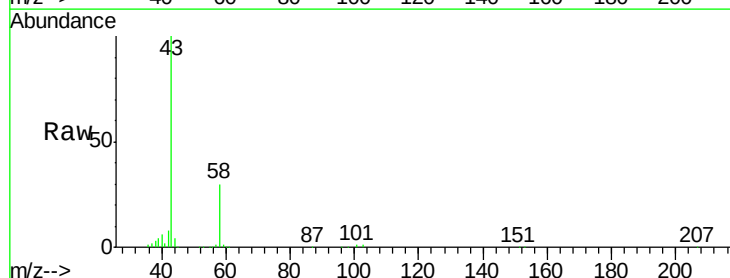
RT: 4.17 min Scan# 382

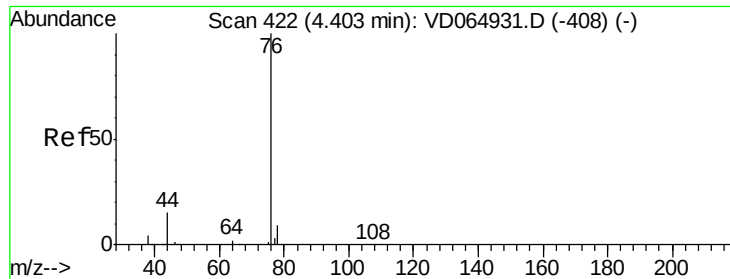
Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Tgt Ion:	43	Resp:	233570
Ion Ratio	Lower	Upper	
43	100		
58	29.7	23.8	35.8





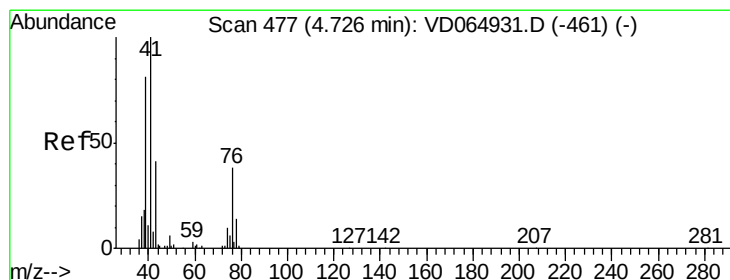
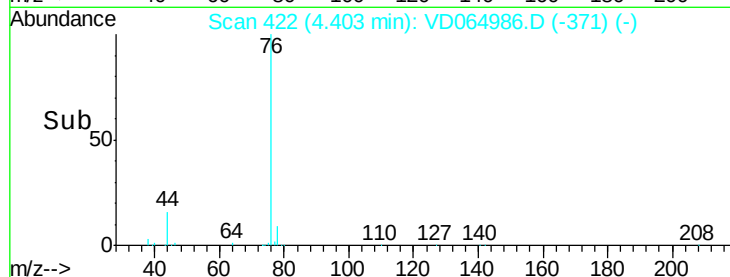
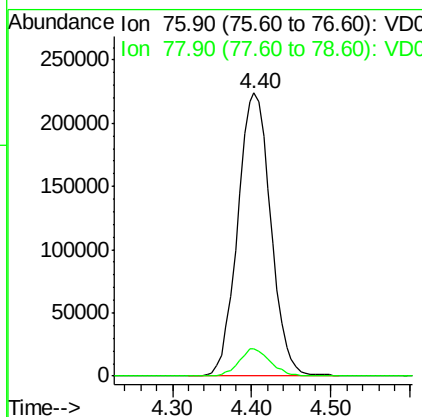
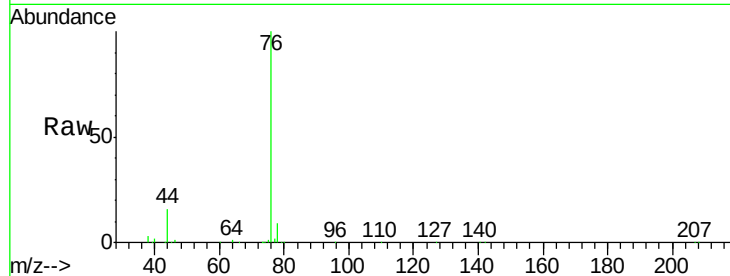
#17
Carbon Disulfide
Concen: 48.128 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 647167
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

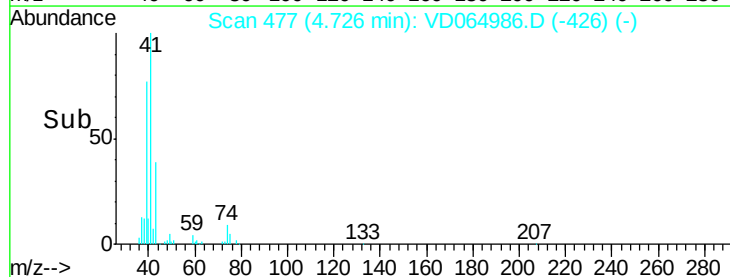
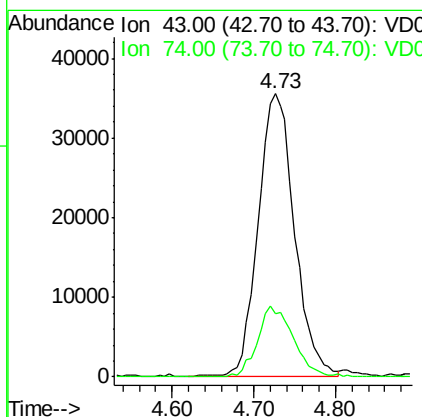
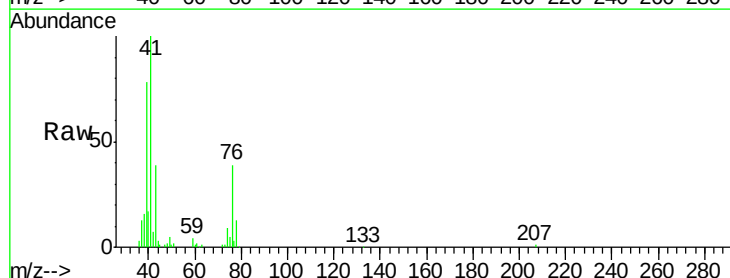
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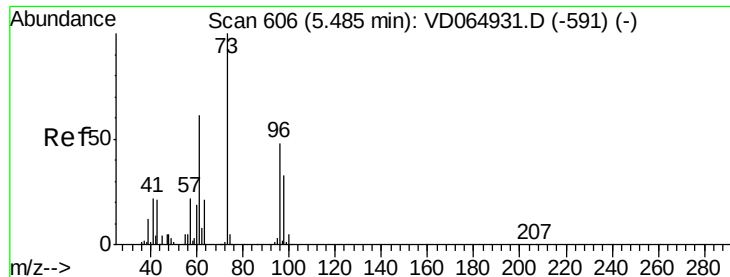
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#18
Methyl Acetate
Concen: 52.073 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 43 Resp: 109804
Ion Ratio Lower Upper
43 100
74 24.6 19.1 28.7





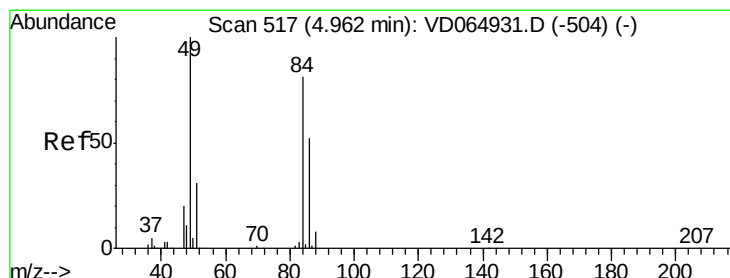
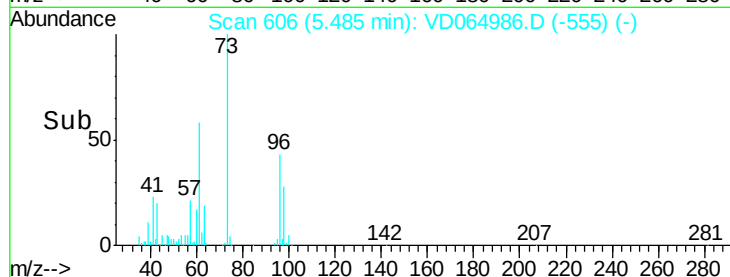
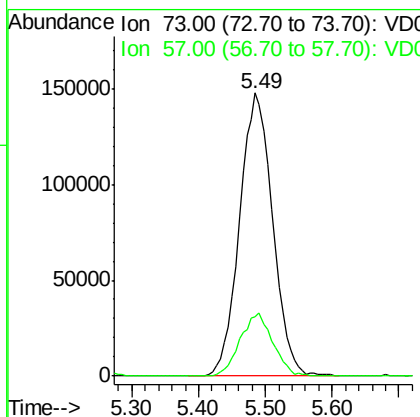
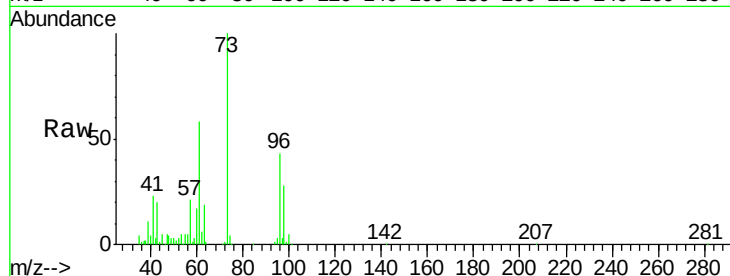
#19
Methyl tert-butyl Ether
Concen: 55.238 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.9	26.9

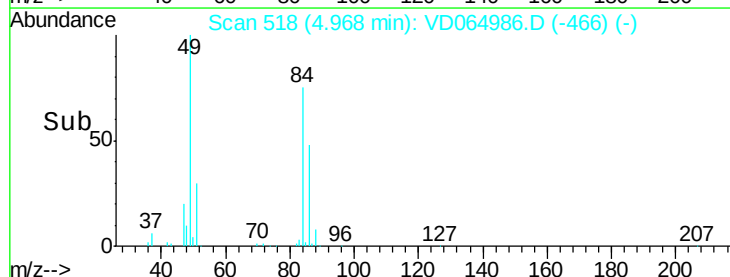
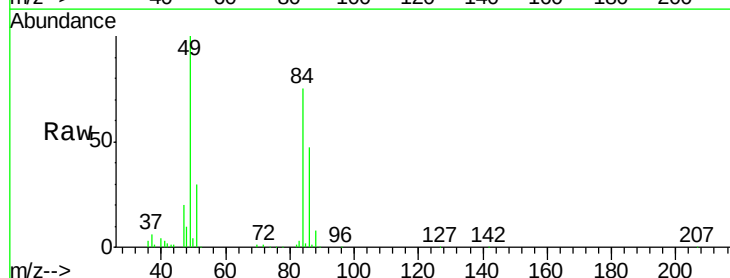
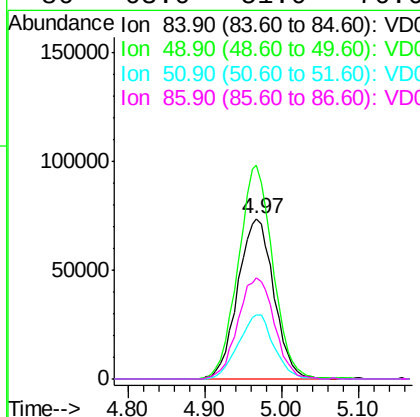
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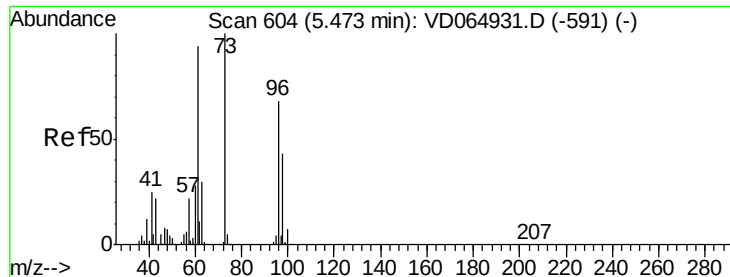
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#20
Methylene Chloride
Concen: 56.082 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.1	98.4	147.6
51	39.8	30.8	46.2
86	63.0	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 50.853 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

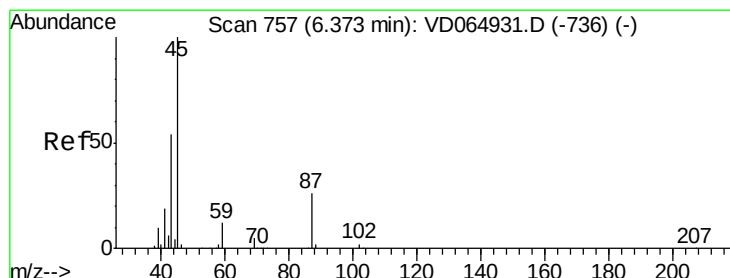
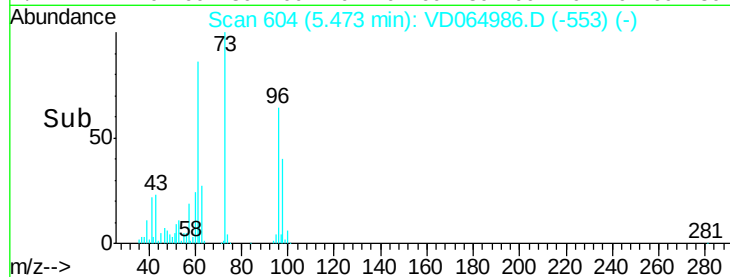
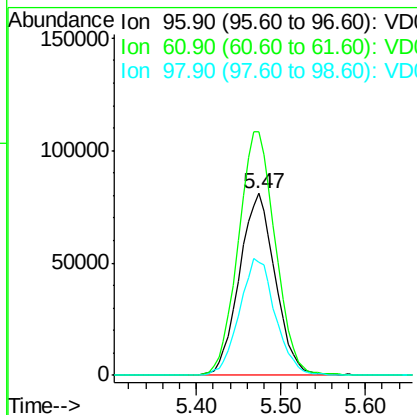
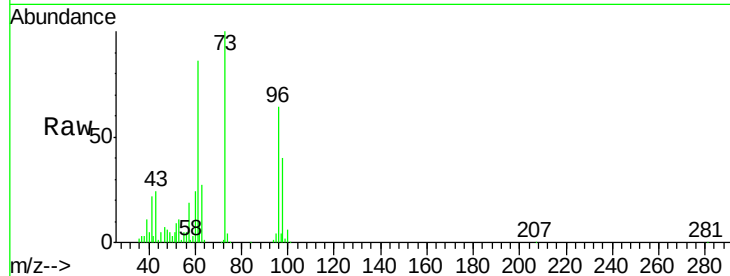
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	239384
Ion	Ratio	Lower	Upper
96	100		
61	133.7	110.4	165.6
98	62.3	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.687 ug/l

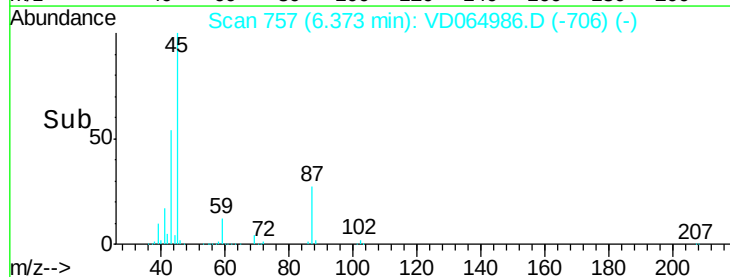
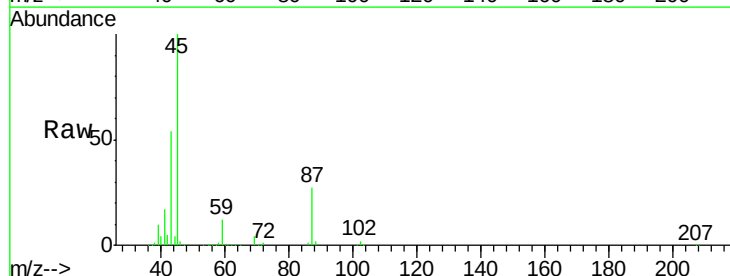
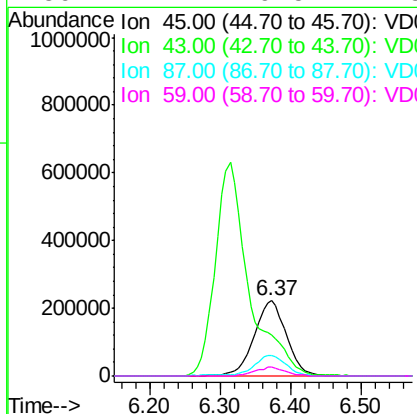
RT: 6.37 min Scan# 757

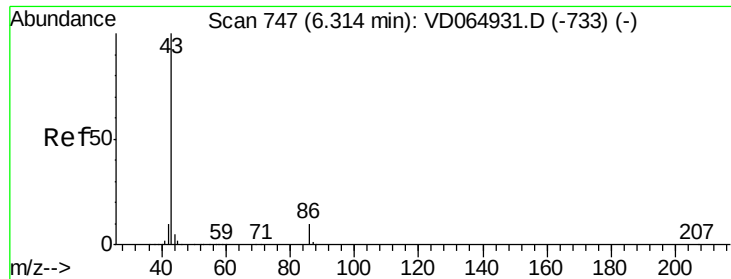
Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Tgt Ion:	45	Resp:	710208
Ion	Ratio	Lower	Upper
45	100		
43	52.7	43.1	64.7
87	27.1	21.4	32.2
59	11.4	9.5	14.3





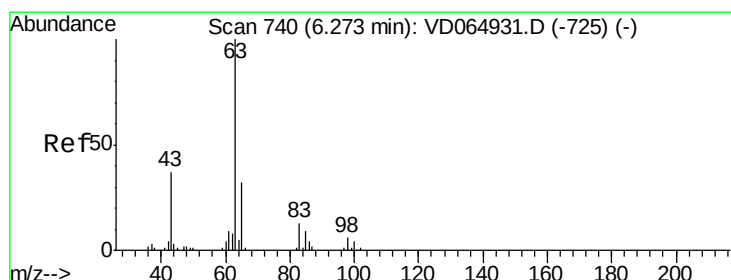
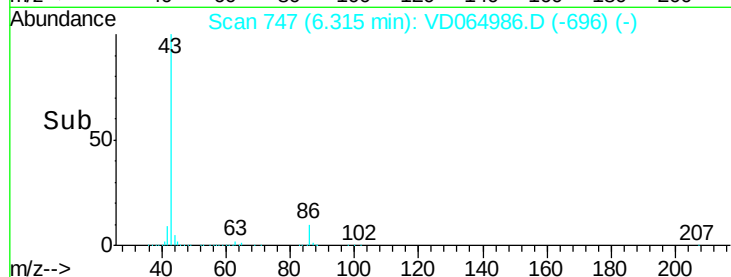
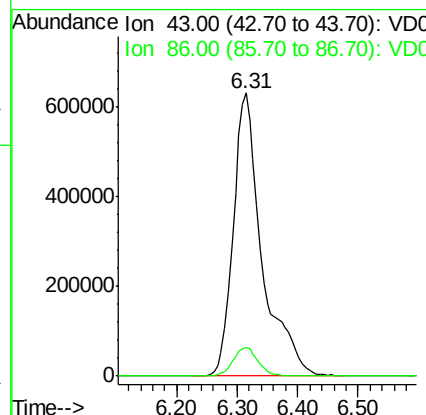
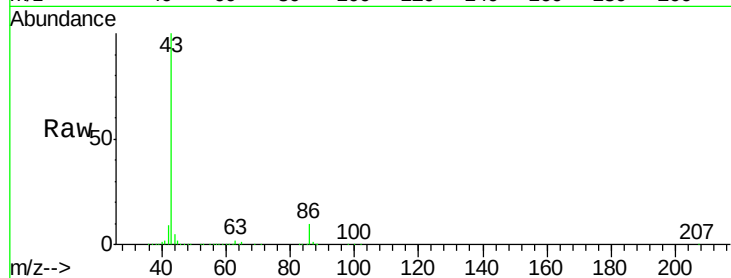
#23
Vinyl Acetate
Concen: 275.080 ug/l
RT: 6.31 min Scan# 747
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2091599
Ion Ratio Lower Upper
43 100
86 10.2 8.3 12.5

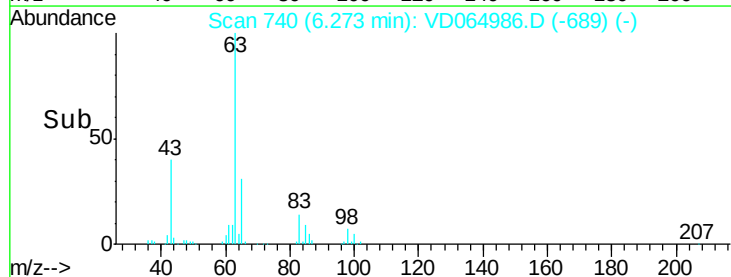
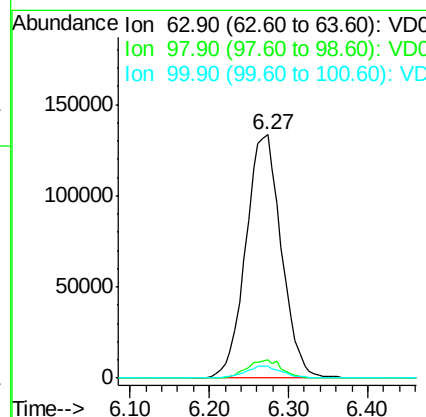
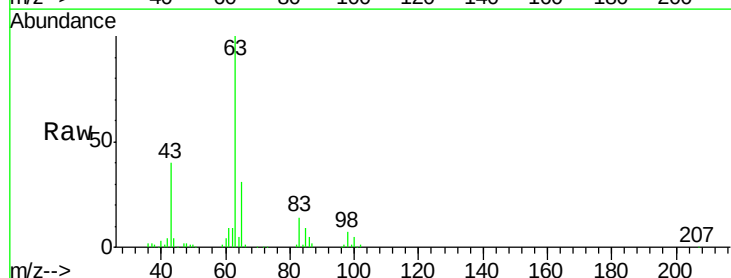
Manual Integrations
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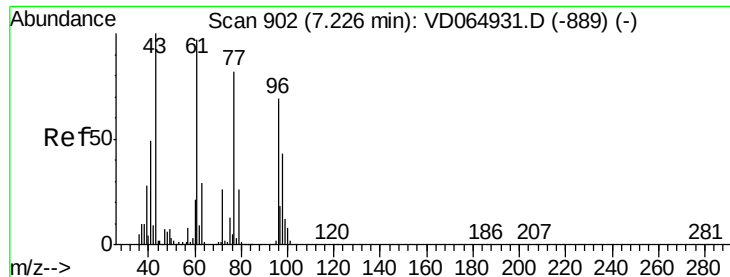
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#24
1,1-Dichloroethane
Concen: 52.165 ug/l
RT: 6.27 min Scan# 740
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 63 Resp: 415944
Ion Ratio Lower Upper
63 100
98 7.3 3.1 9.3
100 5.1 2.3 6.8





#25

2-Butanone

Concen: 262.427 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 319207

Ion Ratio Lower Upper

43 100

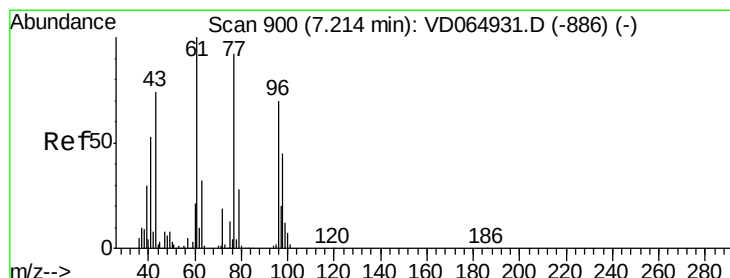
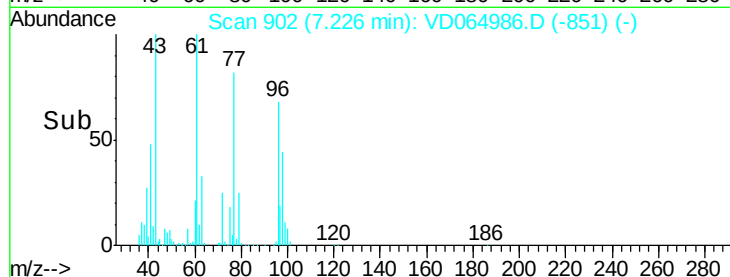
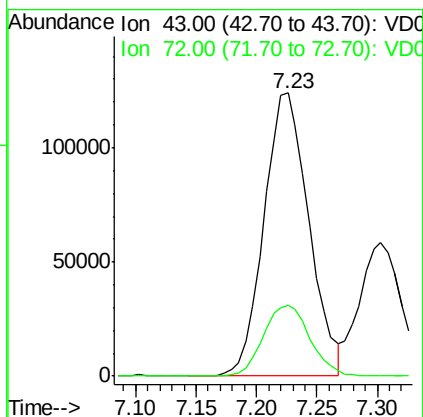
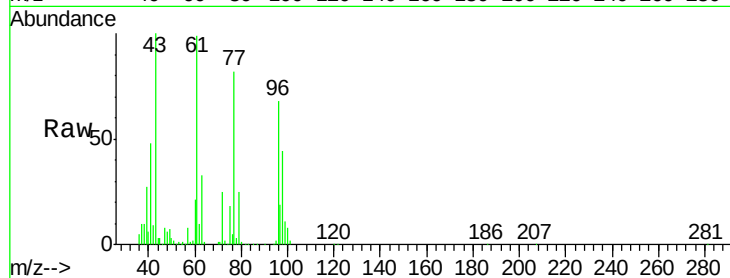
72 25.1 20.6 31.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.422 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064986.D

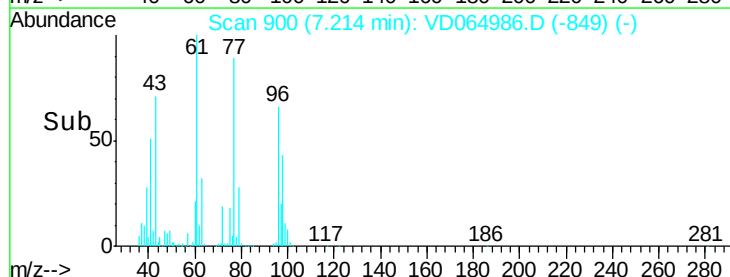
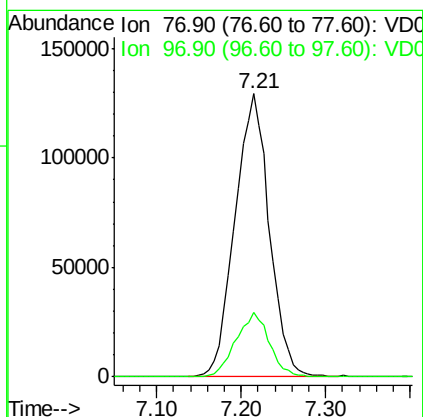
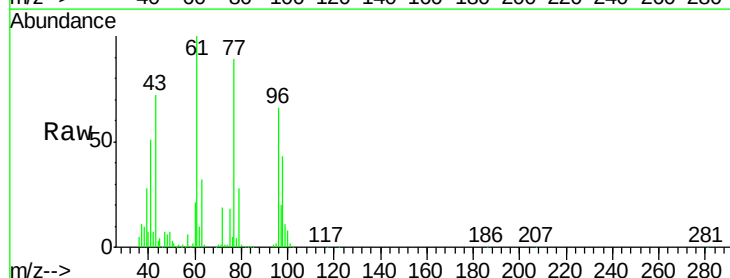
Acq: 28 Jan 2020 19:44

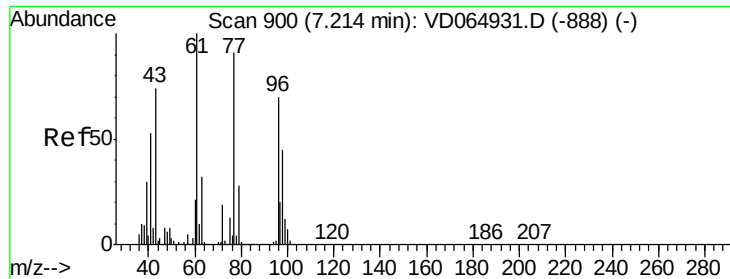
Tgt Ion: 77 Resp: 364679

Ion Ratio Lower Upper

77 100

97 22.1 11.4 34.2





#27

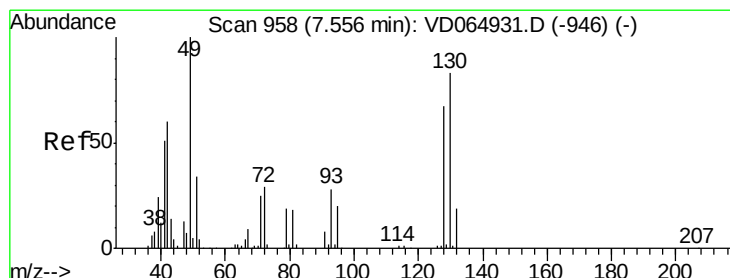
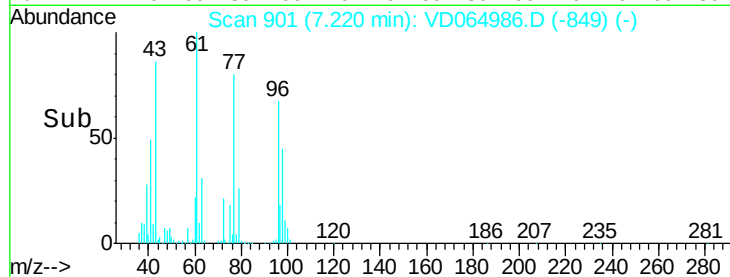
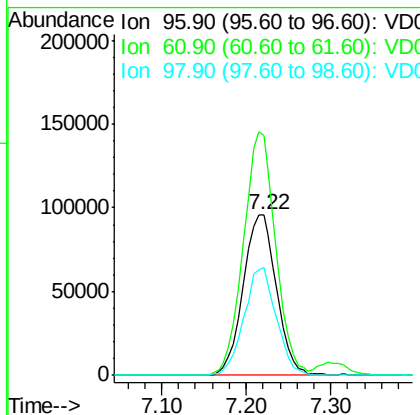
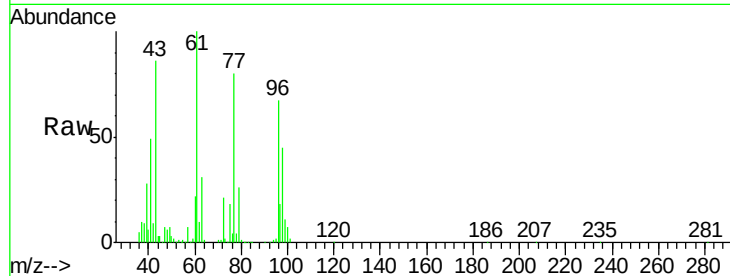
cis-1,2-Dichloroethene
 Concen: 52.387 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	263213		
61	146.0	0.0	292.8	
98	65.2	0.0	130.0	

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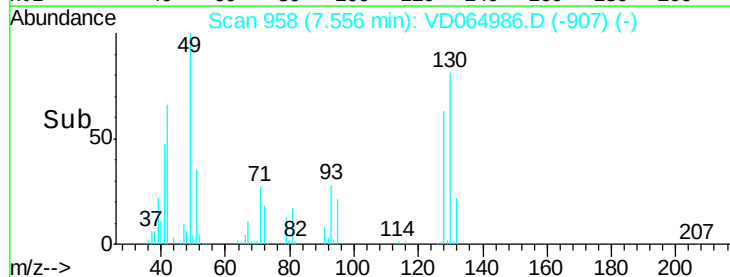
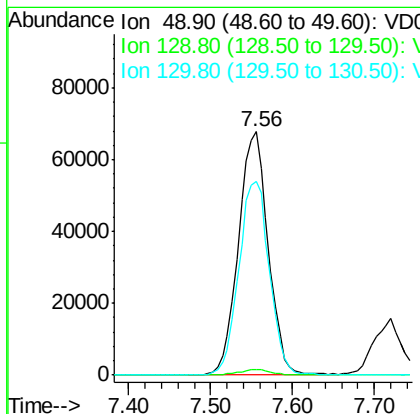
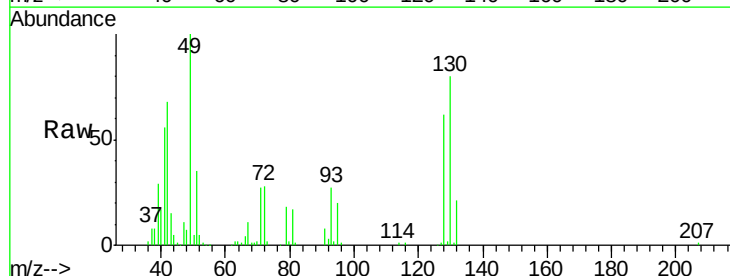
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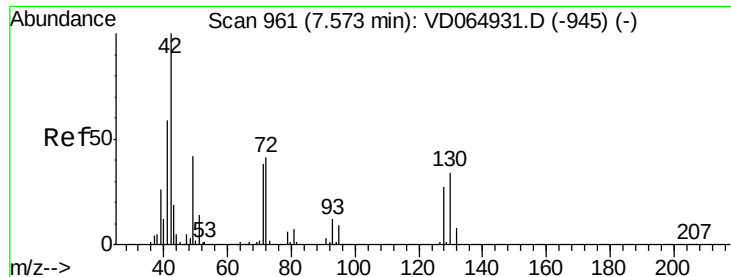


#28

Bromochloromethane
 Concen: 53.806 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	171580		
129	2.3	0.0	4.4	
130	81.7	63.8	95.8	





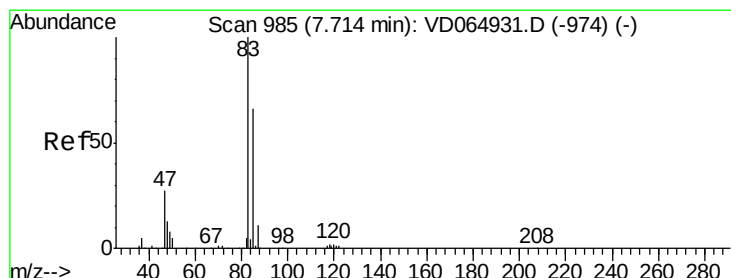
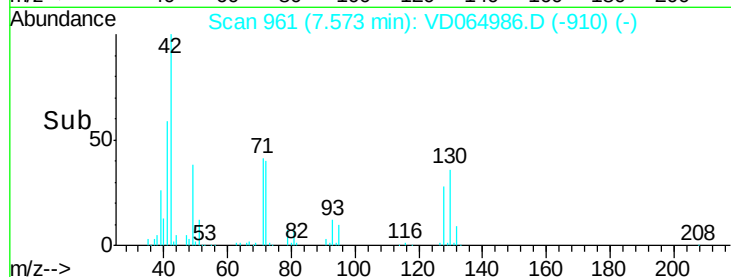
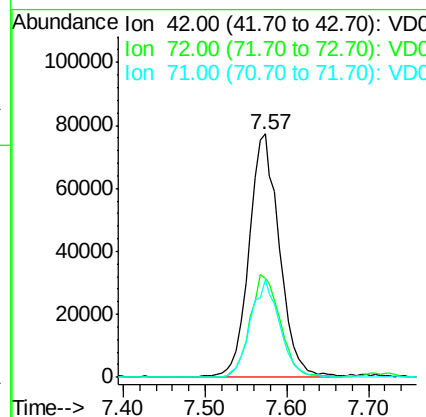
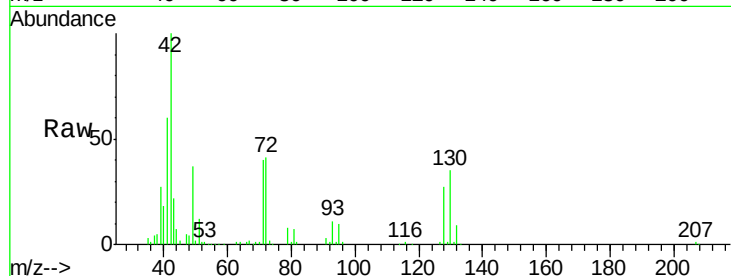
#29
Tetrahydrofuran
Concen: 266.302 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.0	51.0
71	38.8	31.5	47.3

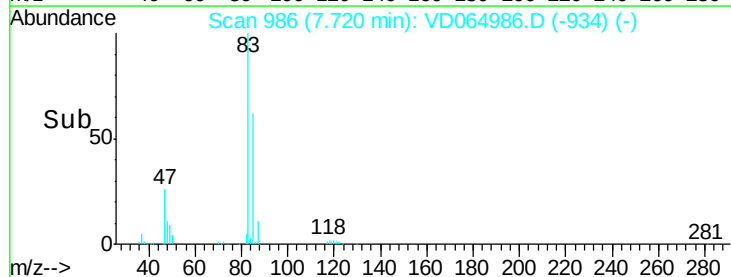
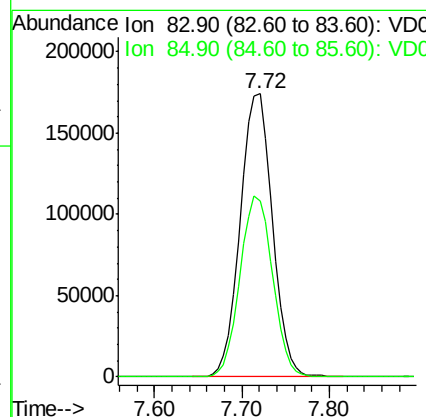
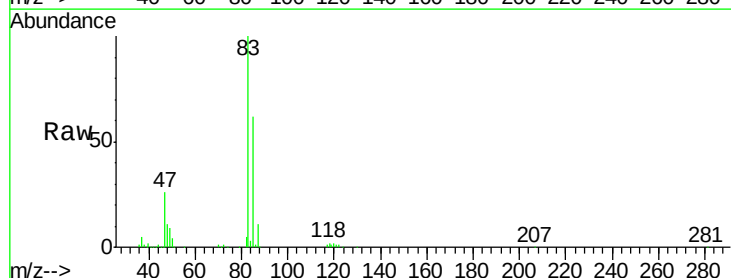
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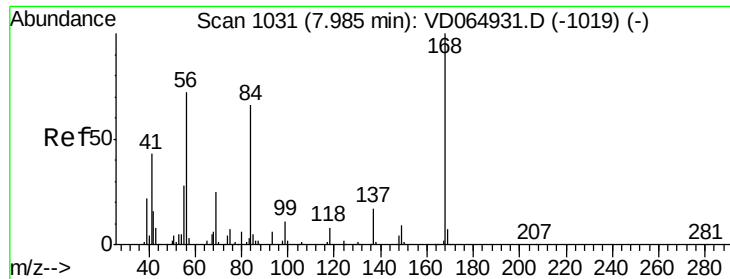
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#30
Chloroform
Concen: 52.701 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.4	78.6





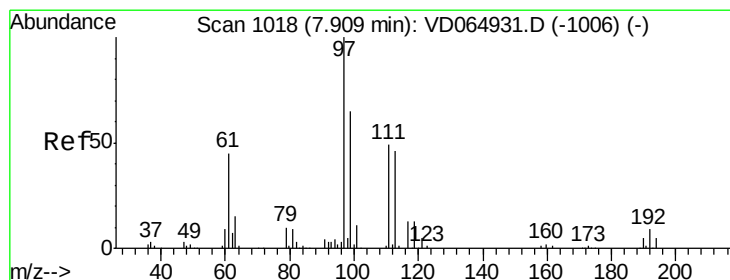
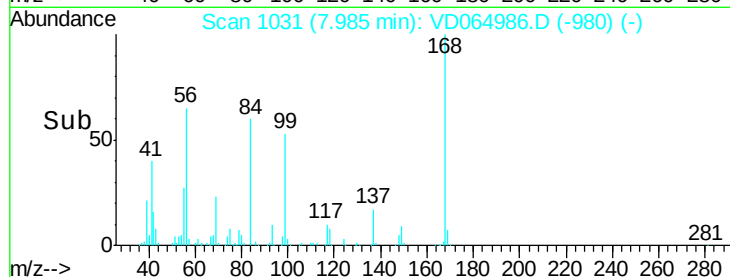
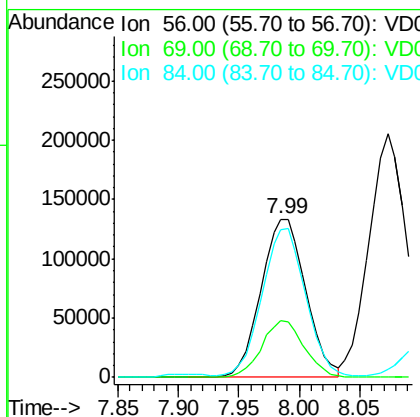
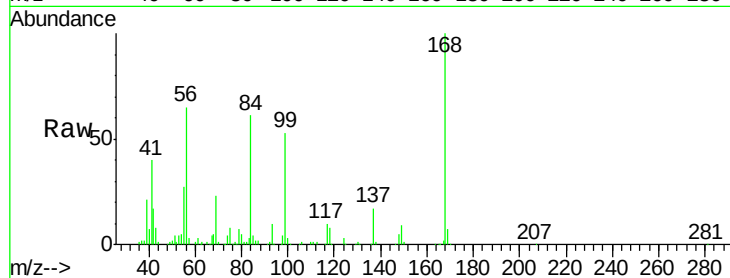
#31
Cyclohexane
Concen: 43.761 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	27.9	41.9
84	91.6	72.8	109.2

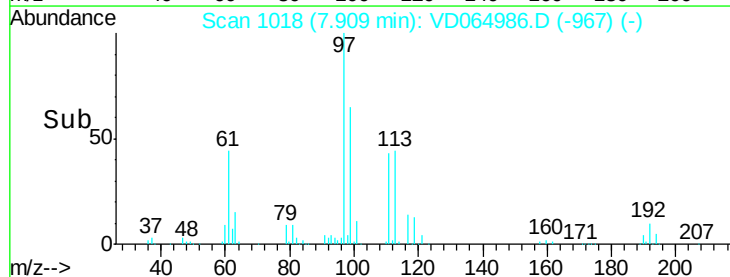
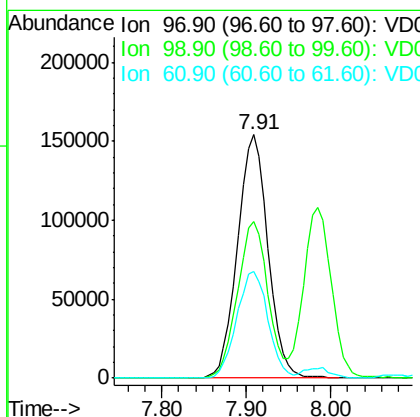
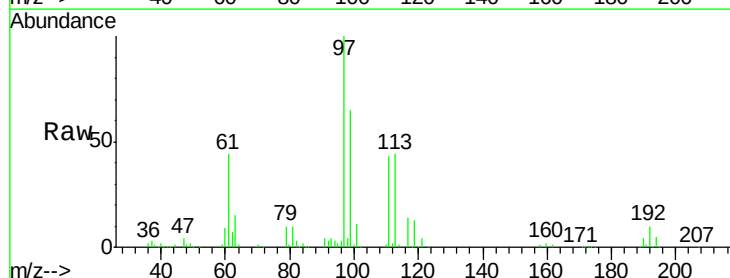
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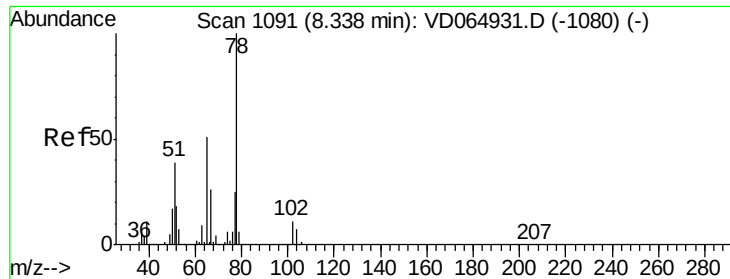
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#32
1,1,1-Trichloroethane
Concen: 50.240 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.6	76.0
61	44.9	35.7	53.5





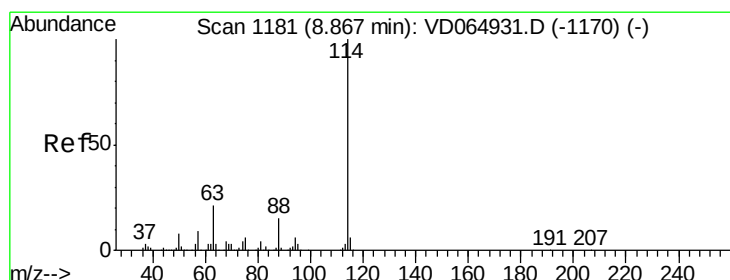
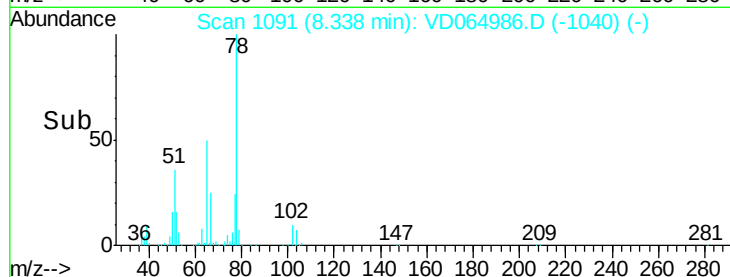
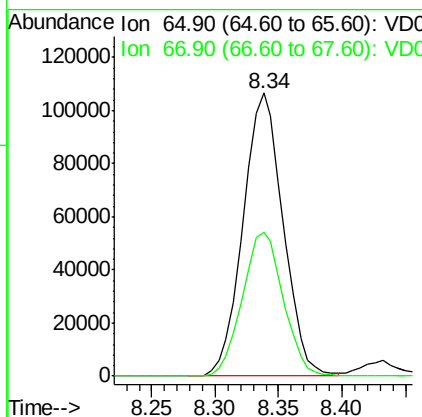
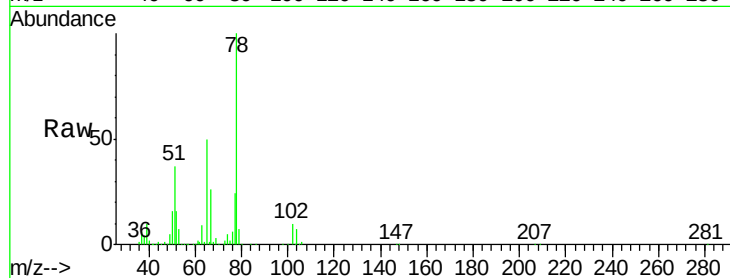
#33
 1,2-Dichloroethane-d4
 Concen: 52.095 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6

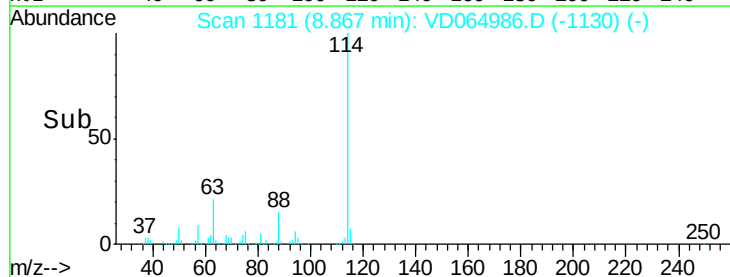
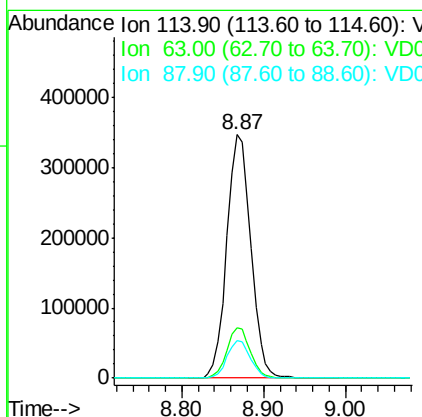
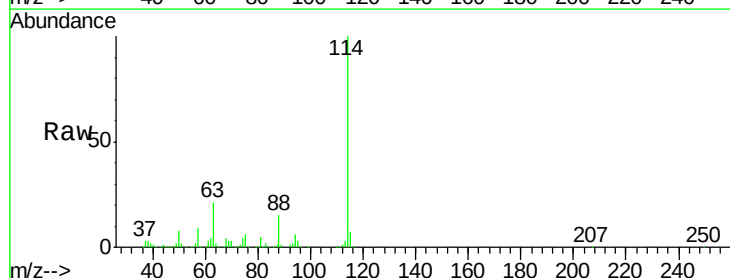
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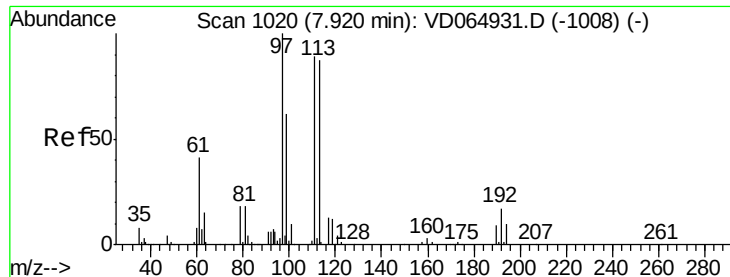
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.0
88	15.5	0.0	29.4





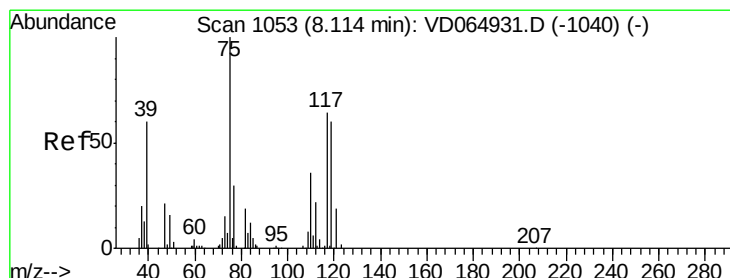
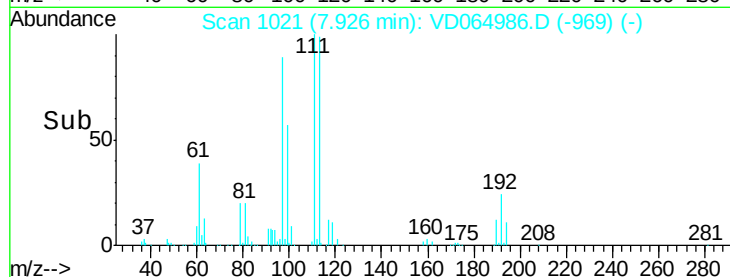
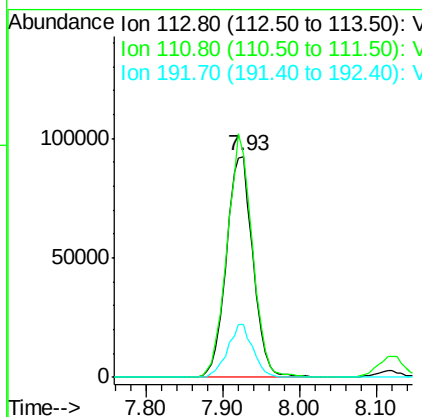
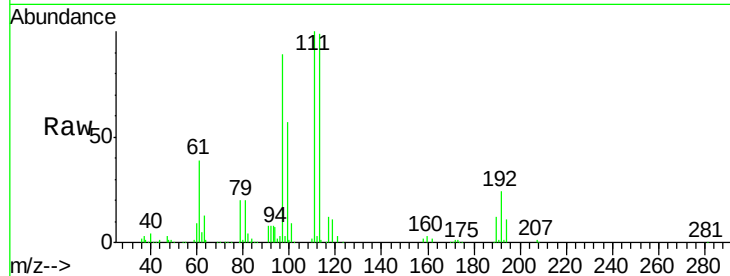
#35
Dibromofluoromethane
Concen: 50.076 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.4	123.6
192	22.6	16.9	25.3

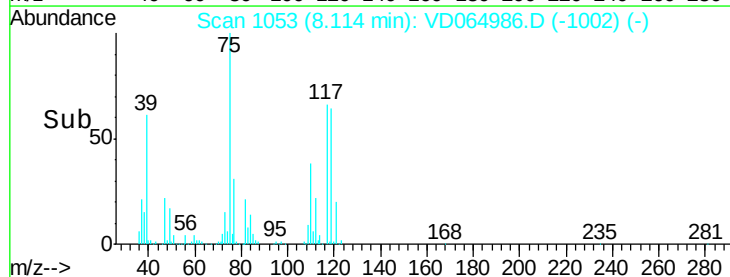
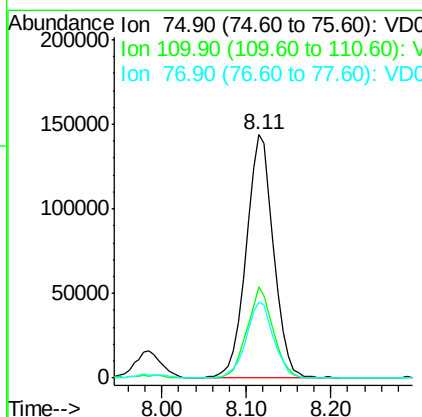
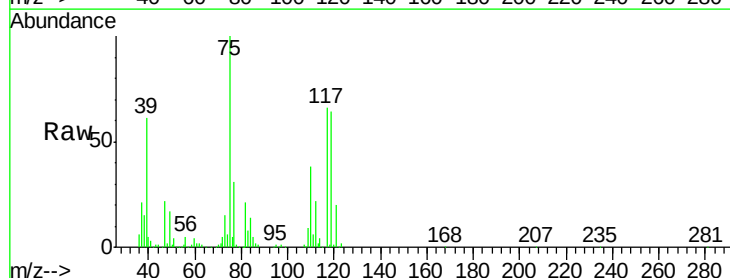
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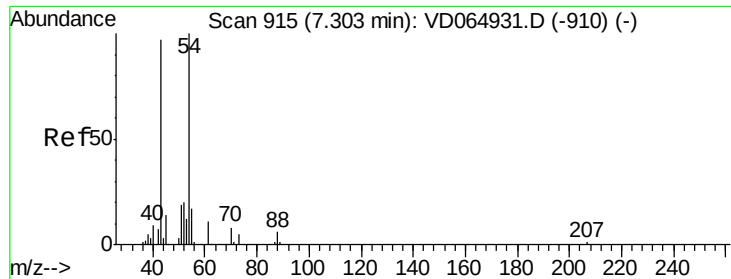
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#36
1,1-Dichloropropene
Concen: 47.319 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.3	52.0
77	31.5	24.7	37.1





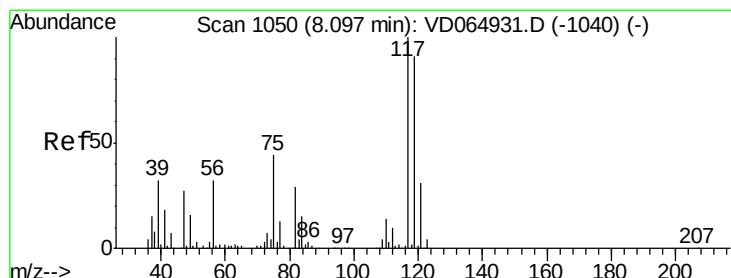
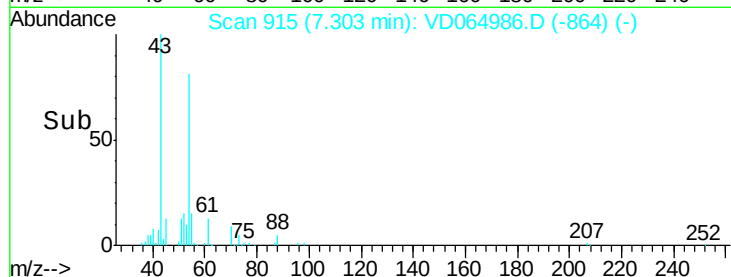
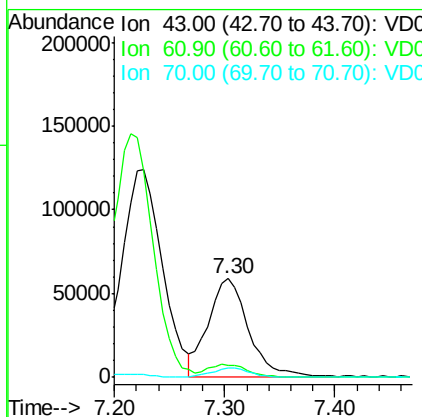
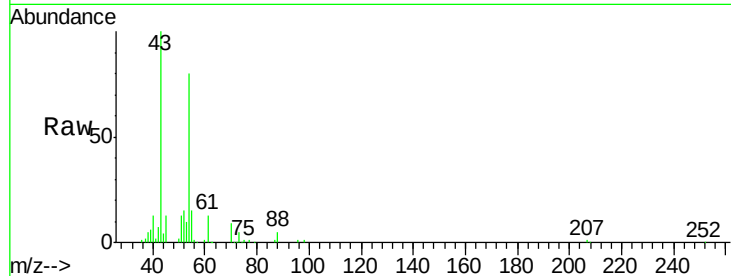
#37
Ethyl Acetate
Concen: 51.983 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	11.0	16.4
70	9.4	7.5	11.3

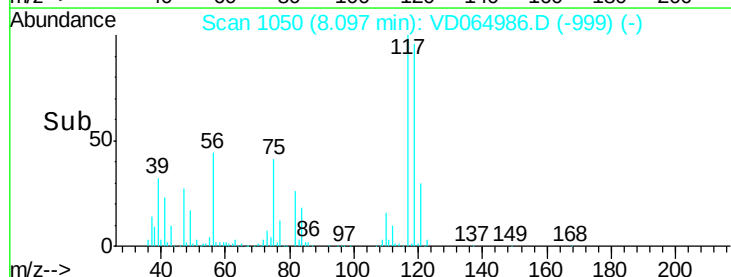
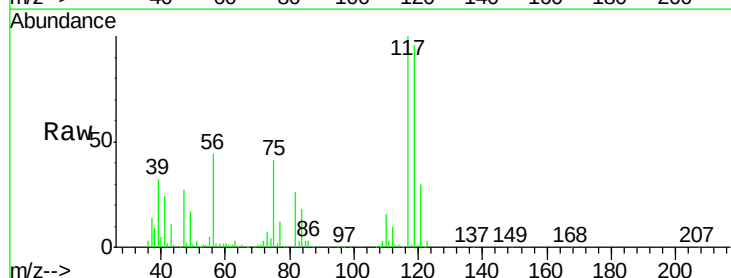
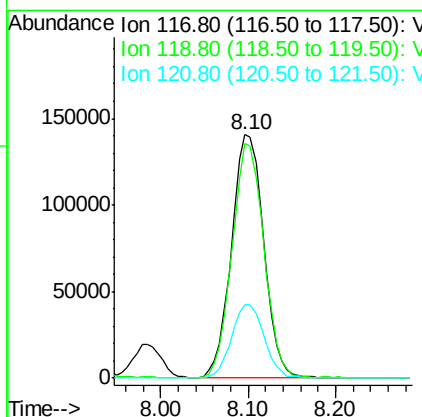
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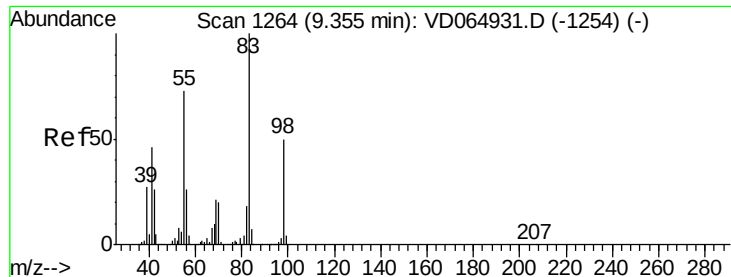
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#38
Carbon Tetrachloride
Concen: 48.303 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	73.2	109.8
121	30.3	24.4	36.6





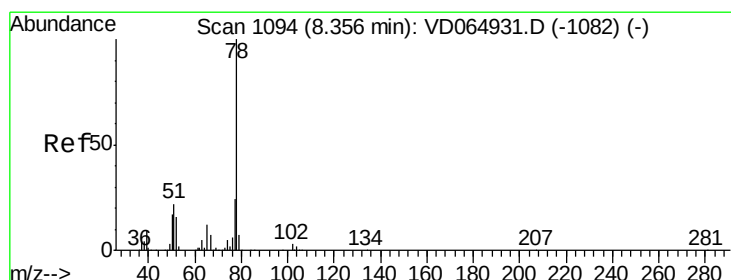
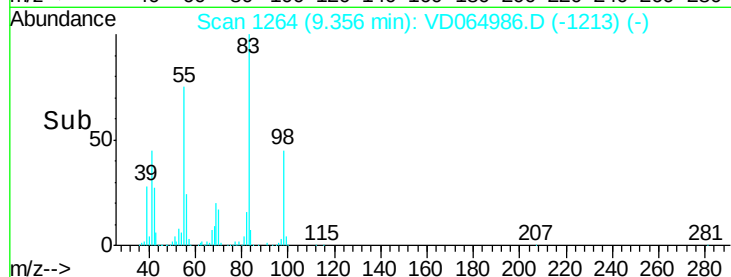
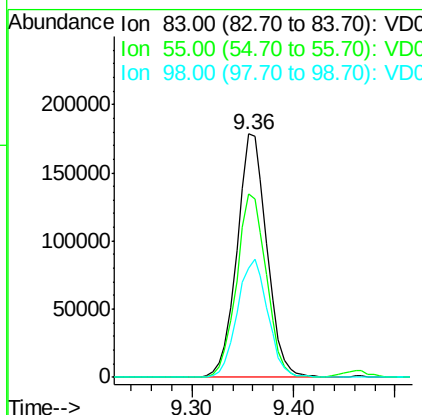
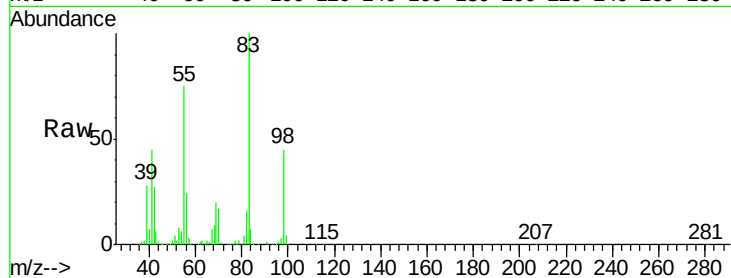
#39
Methylvlcyclohexane
Concen: 45.466 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	364524
Ion	Ratio	Lower	Upper
83	100		
55	75.3	58.7	88.1
98	44.7	40.2	60.2

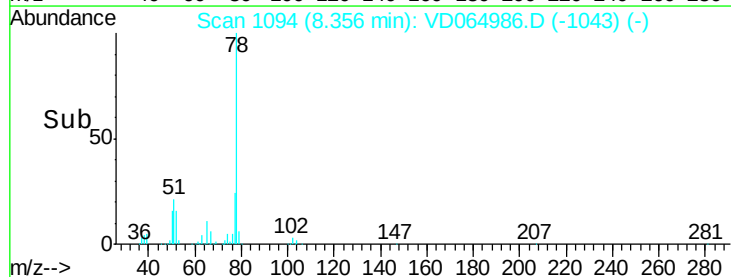
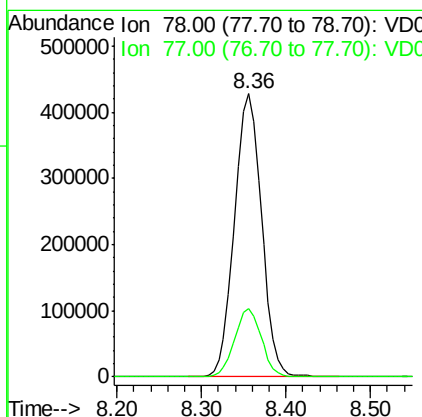
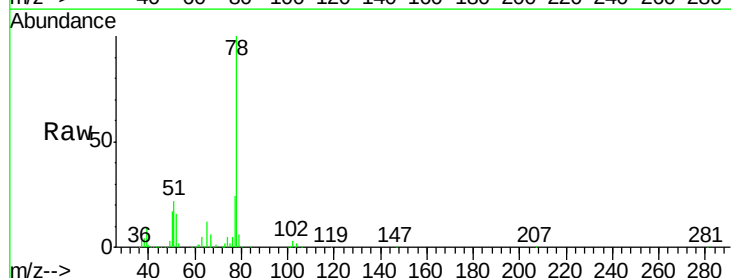
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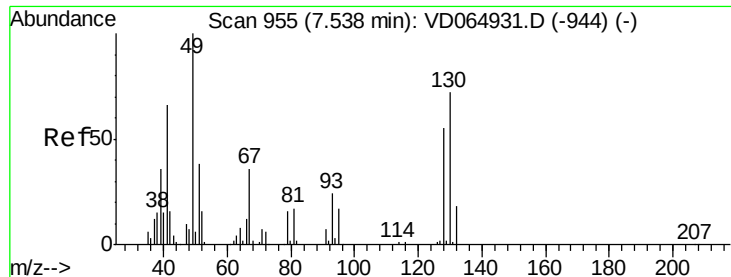
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#40
Benzene
Concen: 50.354 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	78	Resp	951046
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8





#41

Methacrylonitrile

Concen: 59.141 ug/l m

RT: 7.54 min Scan# 956

Delta R.T. 0.01 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 90244

Ion Ratio Lower Upper

41 100

39 0.0 49.3 73.9#

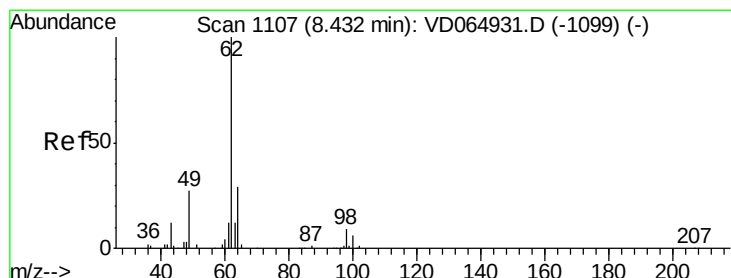
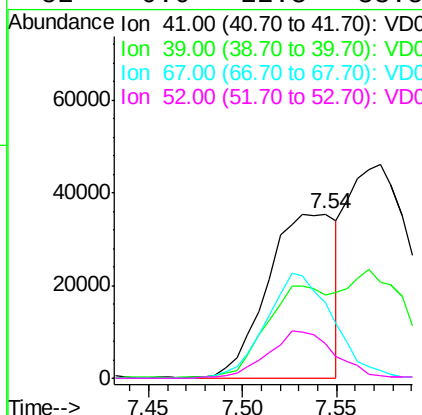
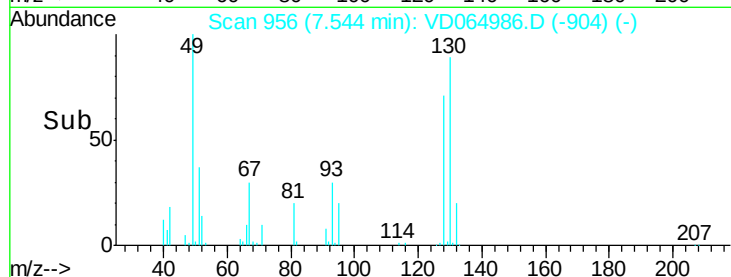
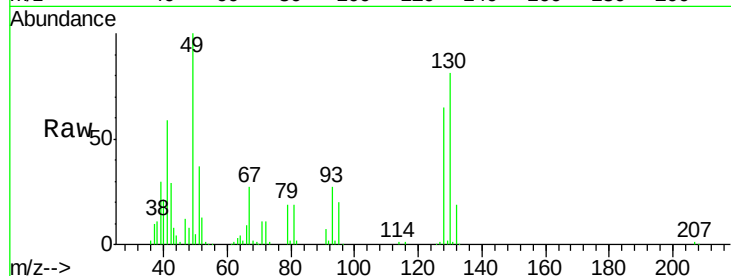
67 0.0 51.0 76.6#

52 0.0 22.3 33.5#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.454 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064986.D

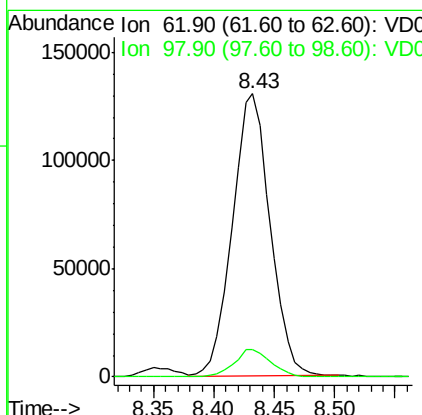
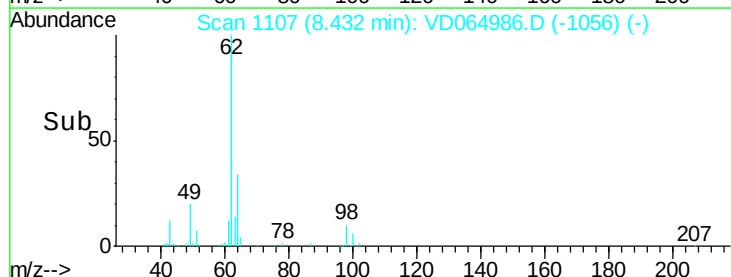
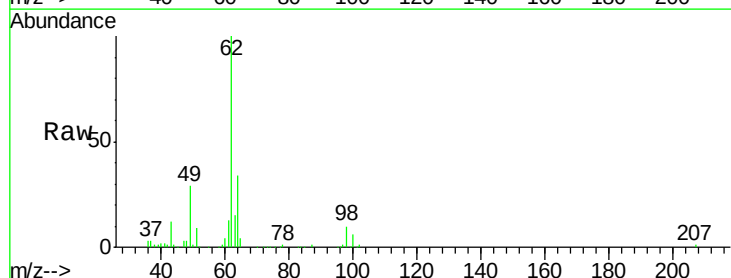
Acq: 28 Jan 2020 19:44

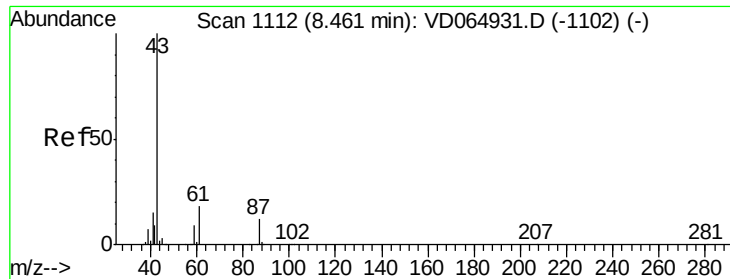
Tgt Ion: 62 Resp: 283862

Ion Ratio Lower Upper

62 100

98 9.5 0.0 17.8





#43

Isopropyl Acetate

Concen: 52.217 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

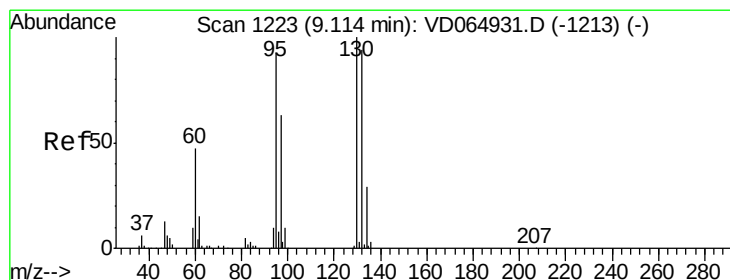
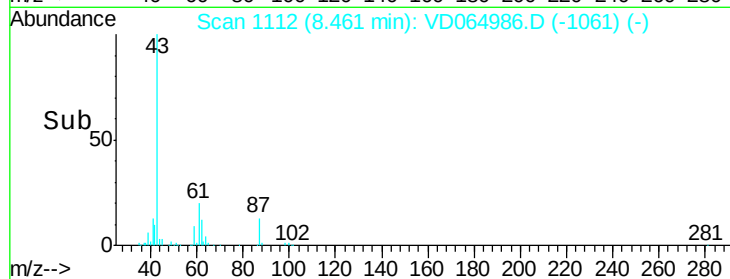
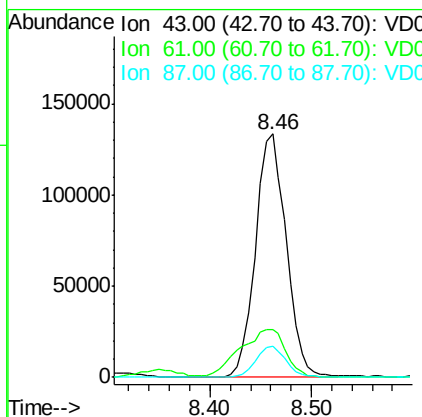
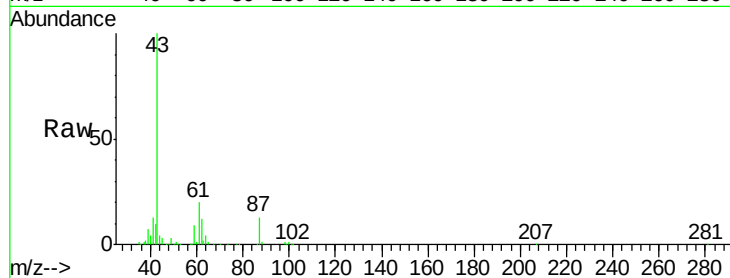
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	280963
Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.8	35.6
87	12.6	10.3	15.5

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#44

Trichloroethene

Concen: 49.835 ug/l

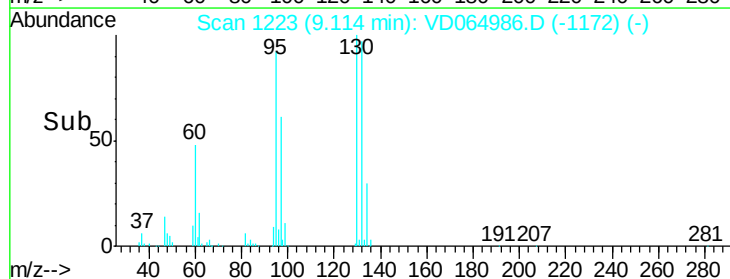
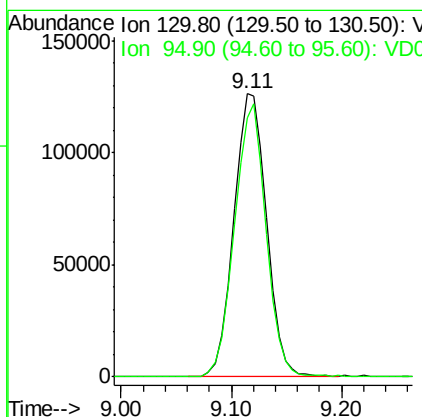
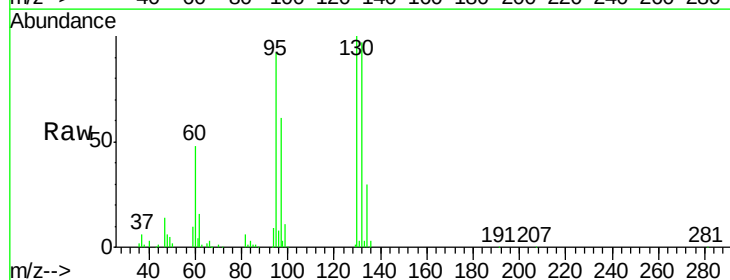
RT: 9.11 min Scan# 1223

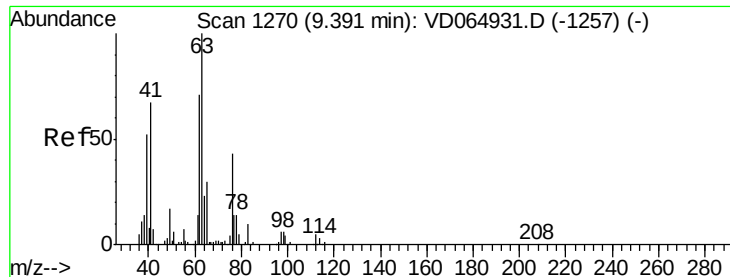
Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Tgt Ion:	130	Resp:	263426
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	185.8





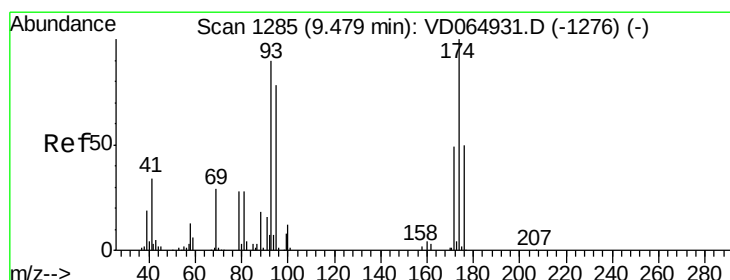
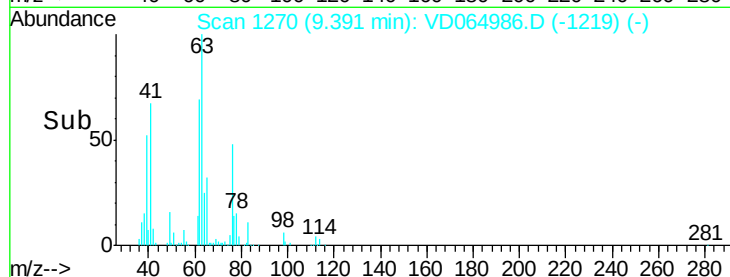
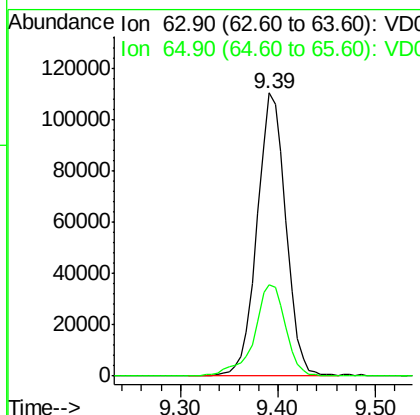
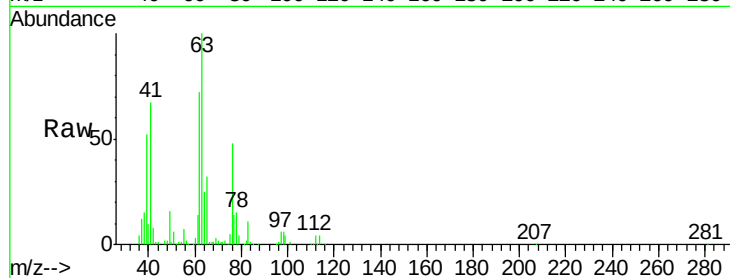
#45
 1,2-Dichloropropane
 Concen: 50.111 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.3	36.5

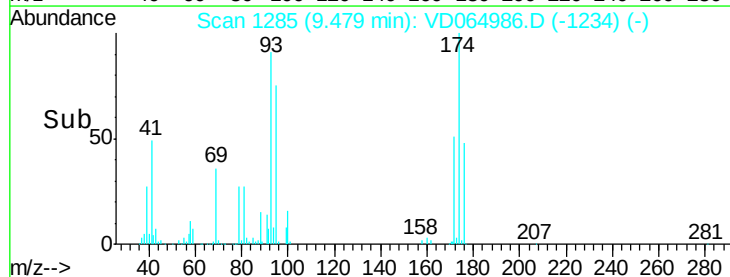
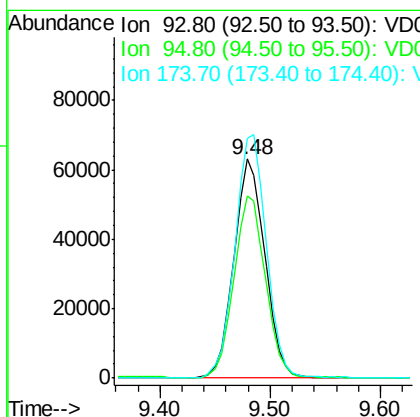
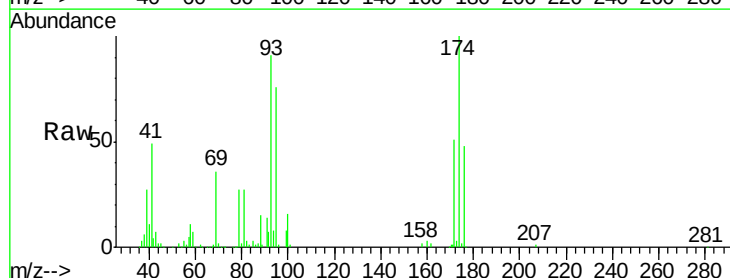
Manual Integrations
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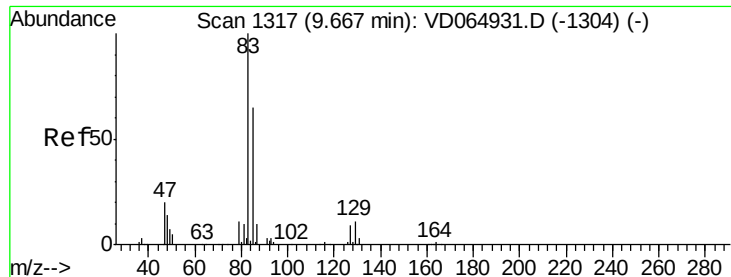
MMDadoda
 1/29/2020 12:56:12 PM



#46
 Dibromomethane
 Concen: 50.105 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	67.5	101.3
174	112.6	88.4	132.6





#47

Bromodichloromethane

Concen: 52.419 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

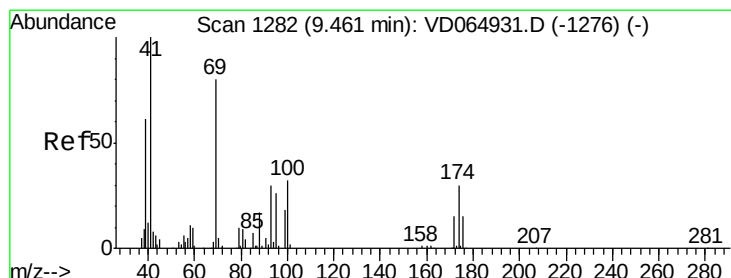
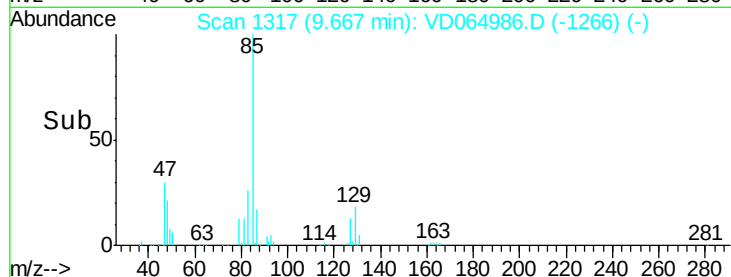
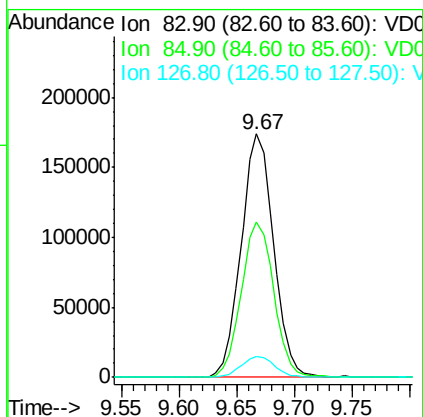
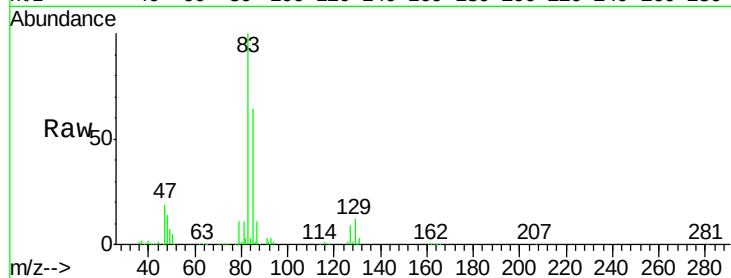
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	340965
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.0	78.0
127	8.5	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.066 ug/l

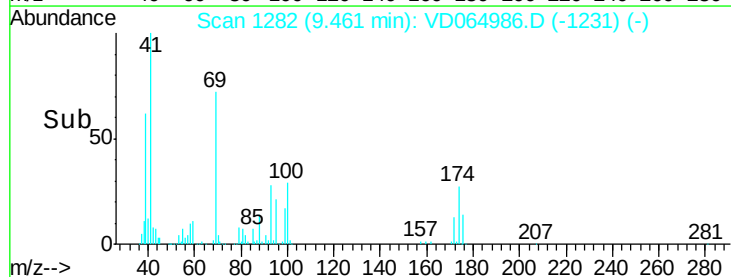
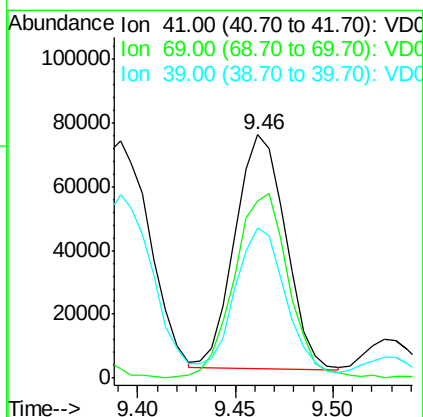
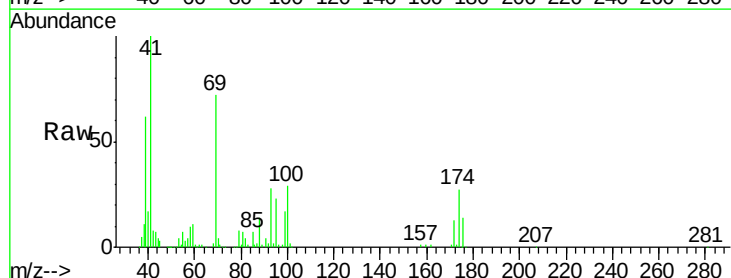
RT: 9.46 min Scan# 1282

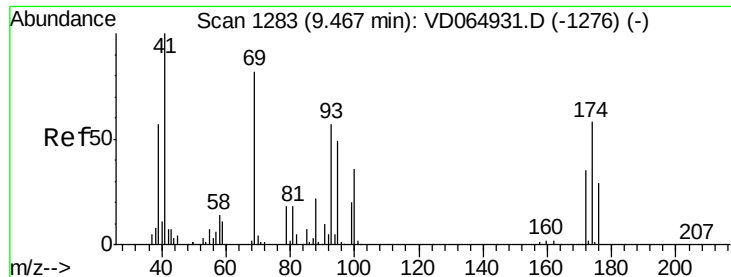
Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Tgt Ion:	41	Resp:	131396
Ion Ratio	Lower	Upper	
41	100		
69	84.3	65.8	98.8
39	65.7	49.4	74.0





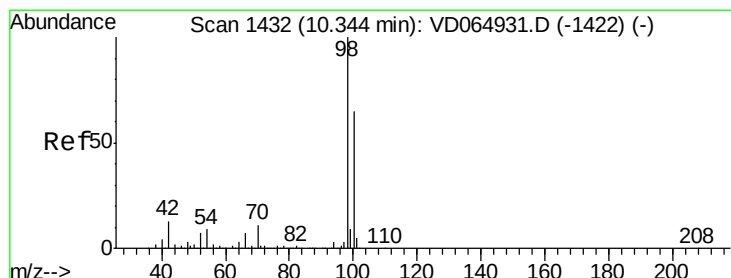
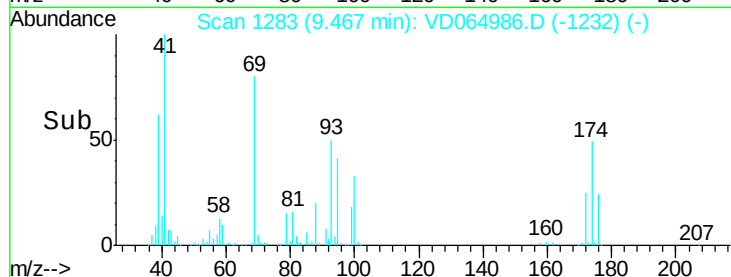
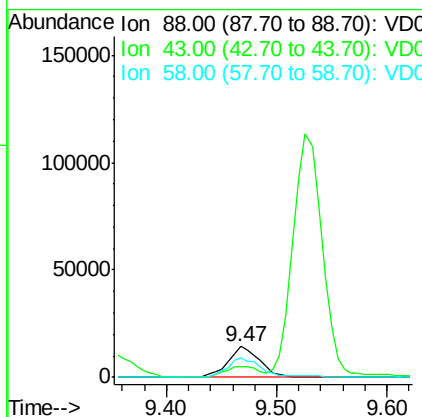
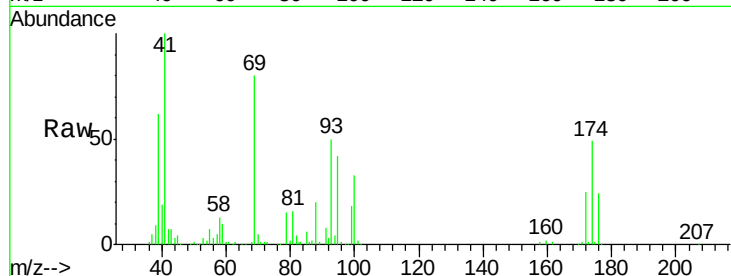
#49
1,4-Dioxane
Concen: 997.356 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	26.2	39.4
58	65.5	50.3	75.5

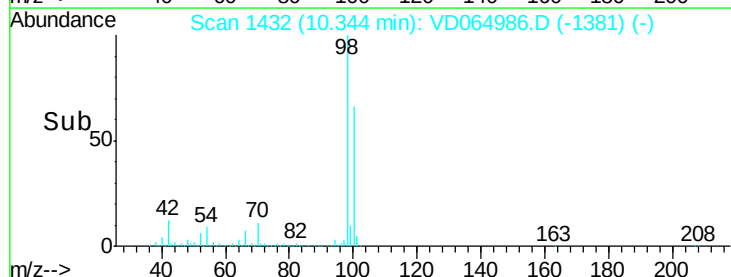
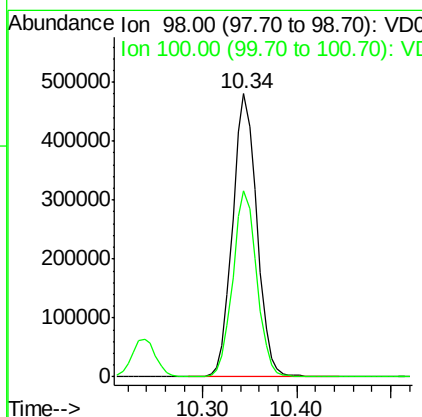
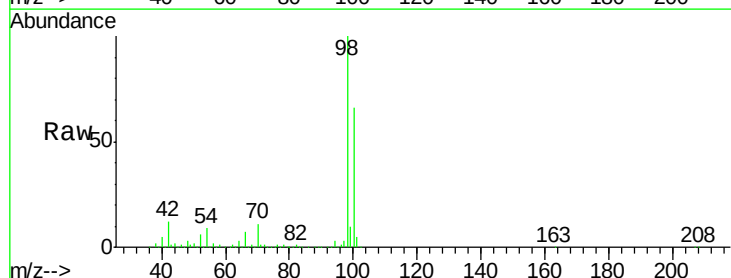
Manual Integrations
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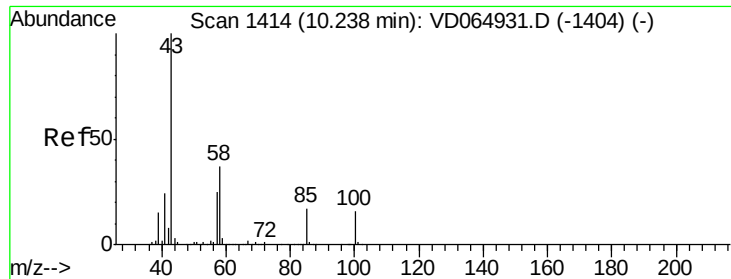
MMDadoda
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#50
Toluene-d8
Concen: 49.960 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.3	78.5





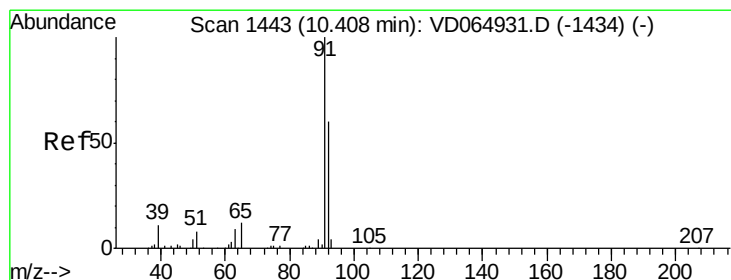
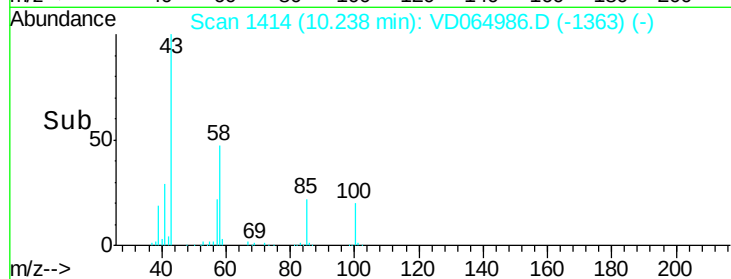
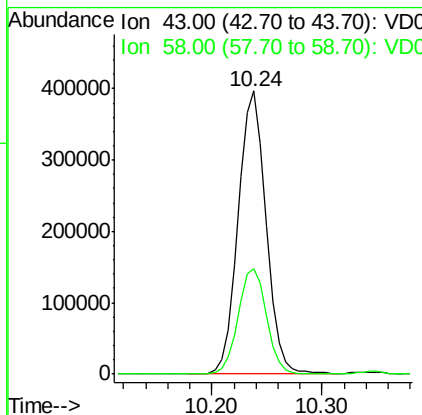
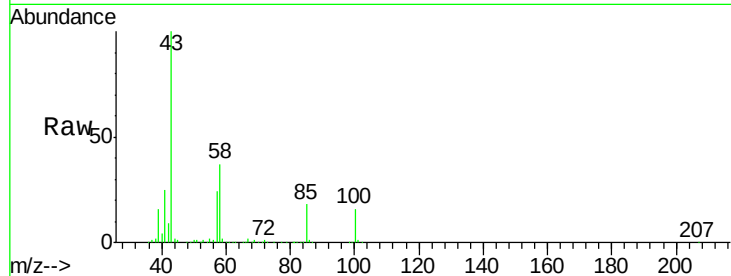
#51
4-Methyl-2-Pentanone
Concen: 262.590 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 706967
Ion Ratio Lower Upper
43 100
58 37.8 30.4 45.6

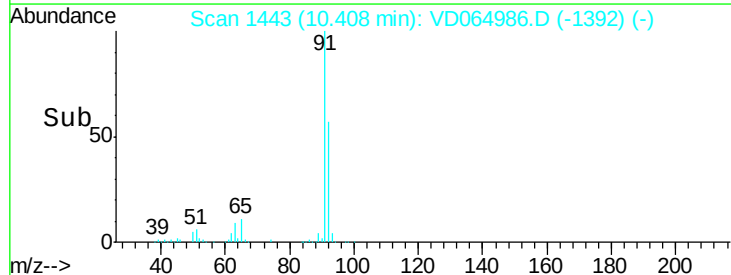
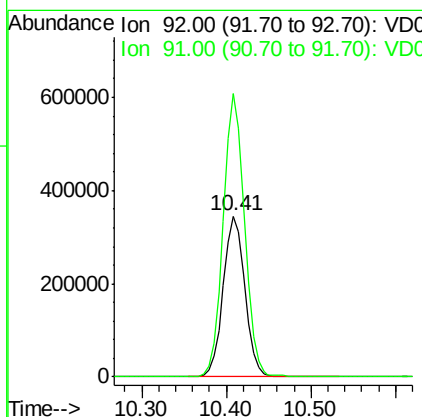
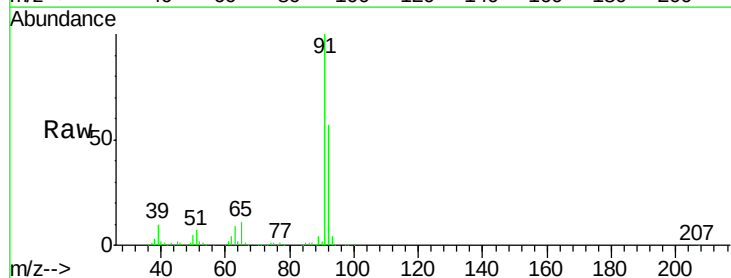
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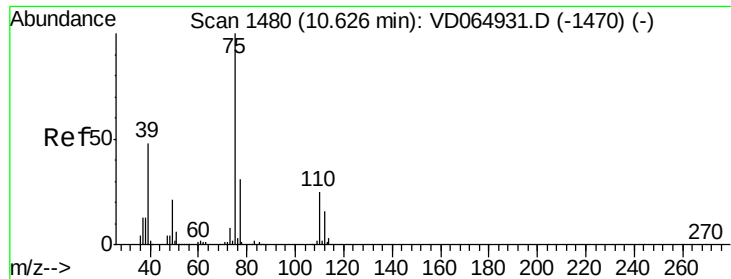
MMDadoda
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#52
Toluene
Concen: 50.285 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 92 Resp: 612320
Ion Ratio Lower Upper
92 100
91 172.8 136.8 205.2





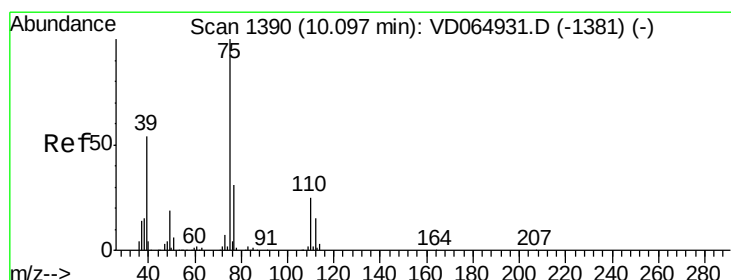
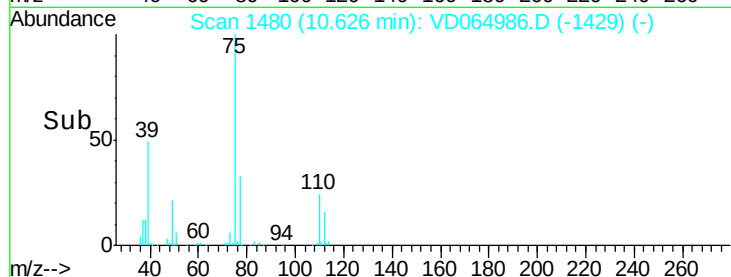
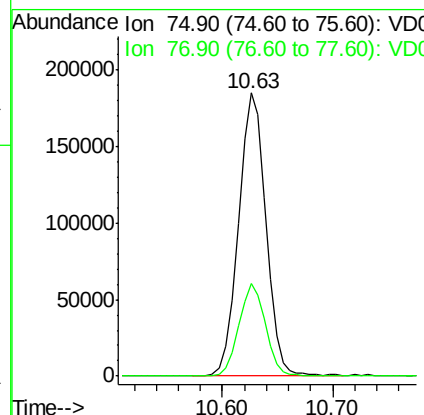
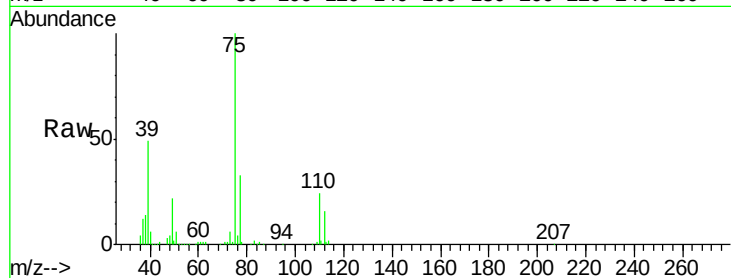
#53
t-1,3-Dichloropropene
Concen: 52.015 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 322285
Ion Ratio Lower Upper
75 100
77 32.8 25.0 37.6

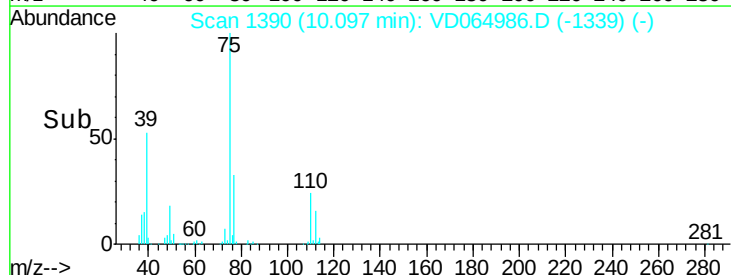
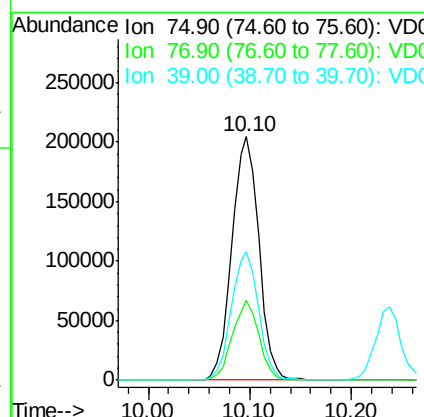
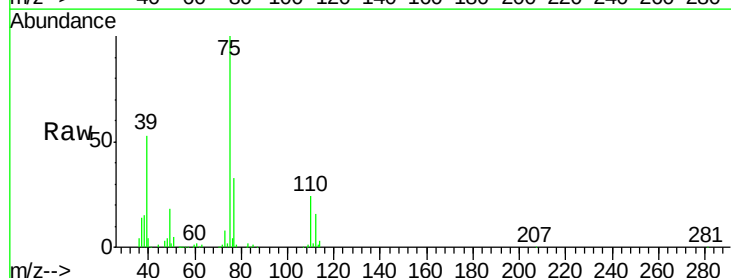
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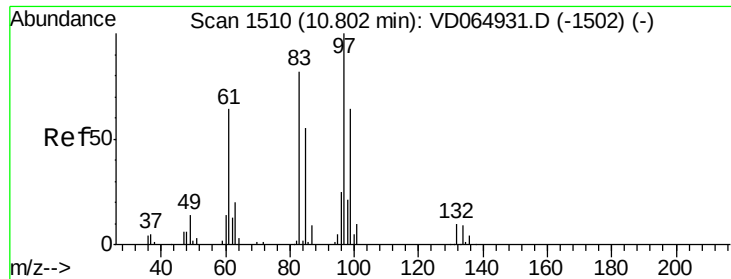
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.011 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 75 Resp: 377307
Ion Ratio Lower Upper
75 100
77 32.6 25.1 37.7
39 52.5 43.0 64.6





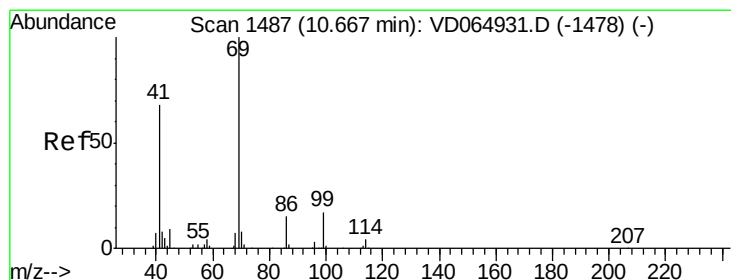
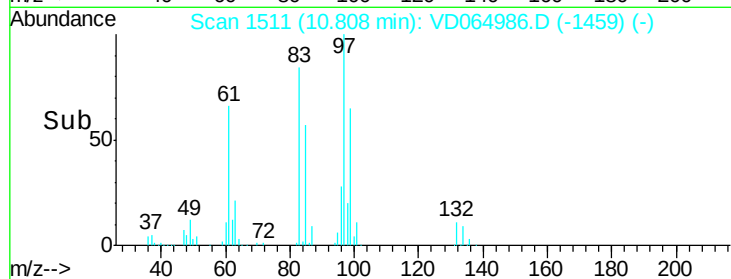
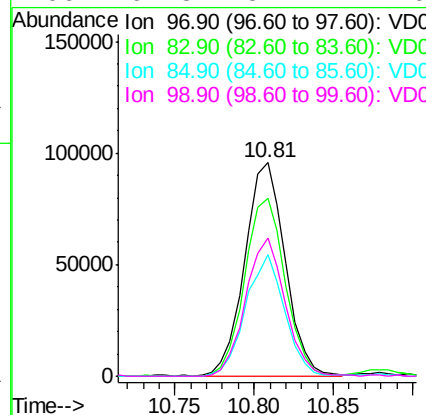
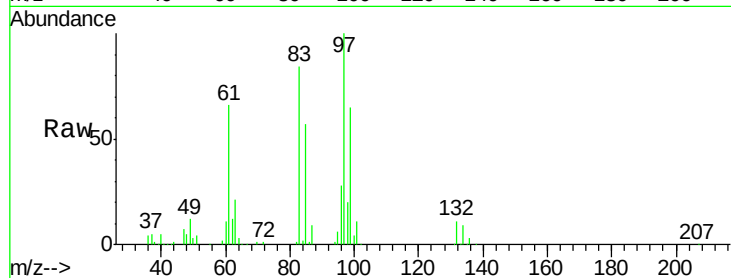
#55
 1,1,2-Trichloroethane
 Concen: 50.344 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	169516
Ion	Ratio	Lower	Upper
97	100		
83	83.5	66.0	99.0
85	57.2	44.4	66.6
99	64.8	51.4	77.0

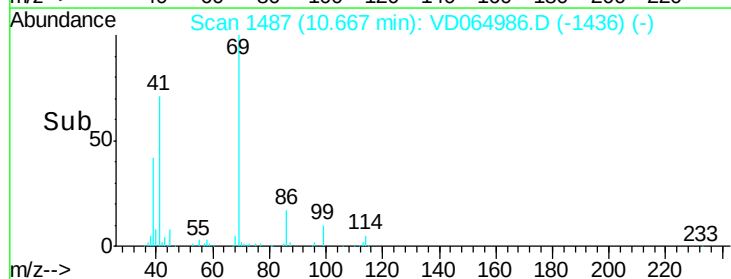
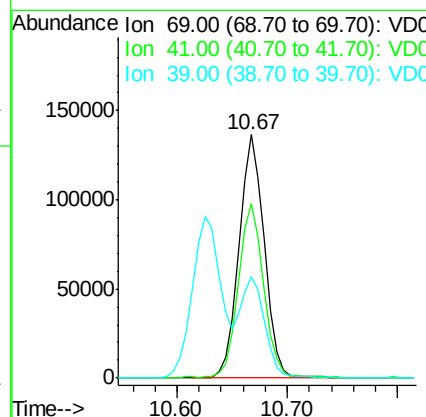
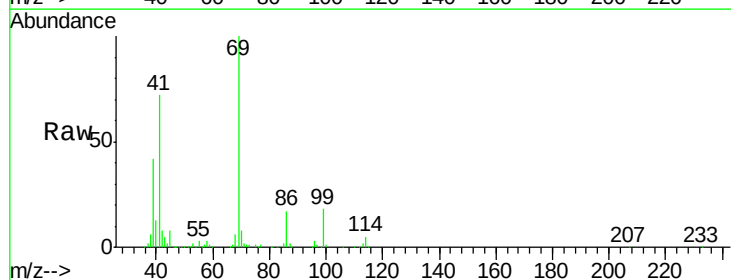
Manual Integrations
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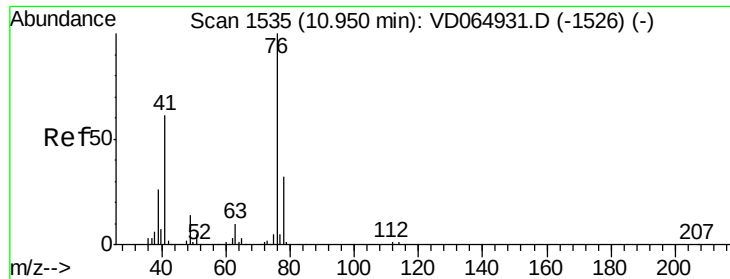
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#56
 Ethyl methacrylate
 Concen: 54.786 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion:	69	Resp:	220600
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.4	84.6
39	39.9	30.6	46.0





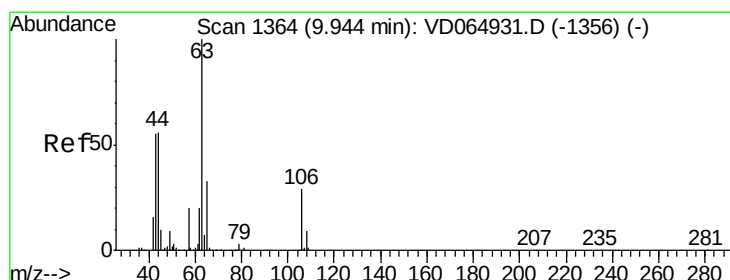
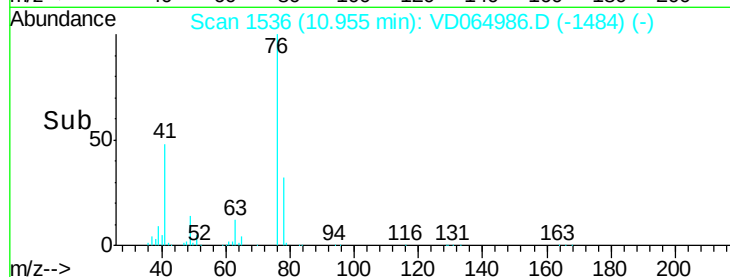
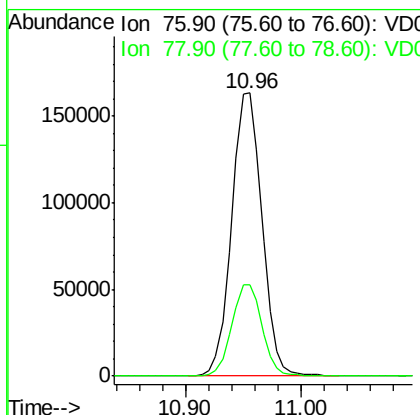
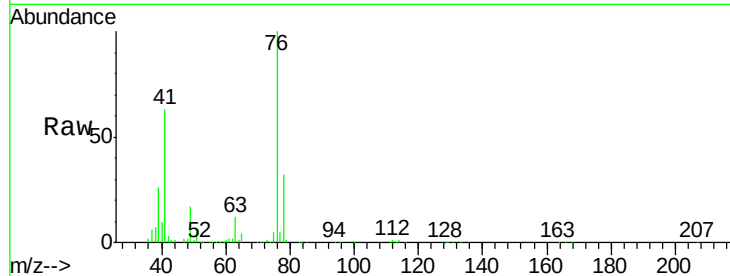
#57
 1,3-Dichloropropane
 Concen: 51.543 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 297672
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

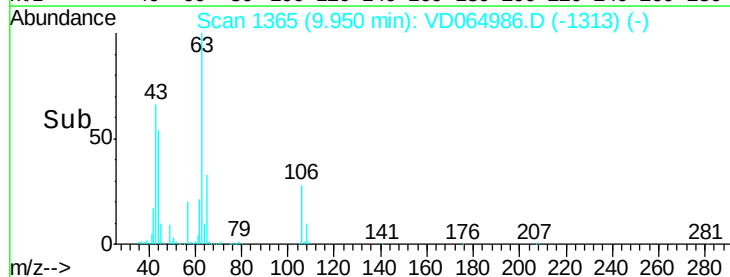
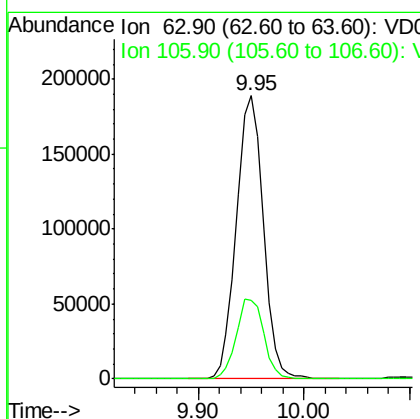
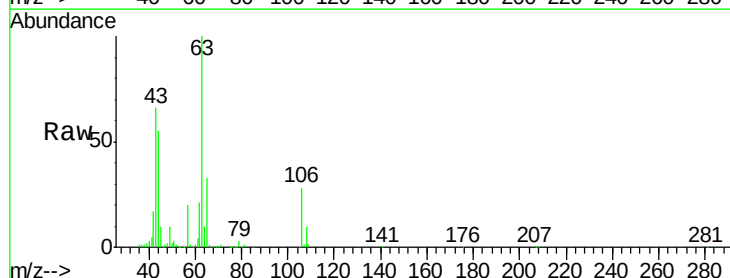
Manual Integrations
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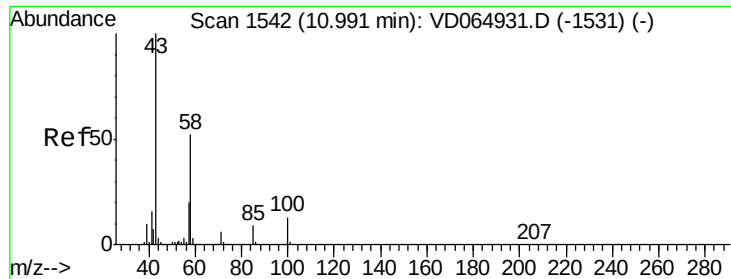
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#58
 2-Chloroethyl Vinyl ether
 Concen: 248.936 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion: 63 Resp: 333005
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.0 34.4





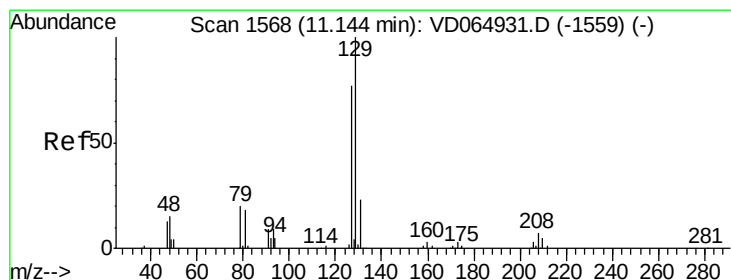
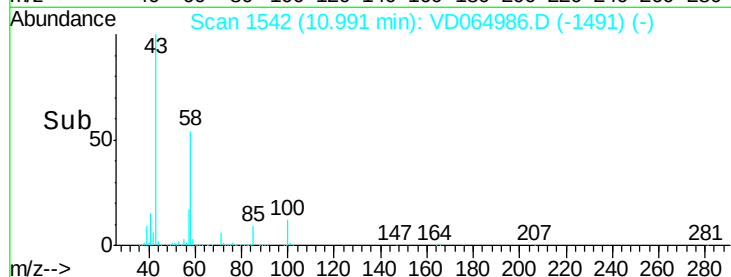
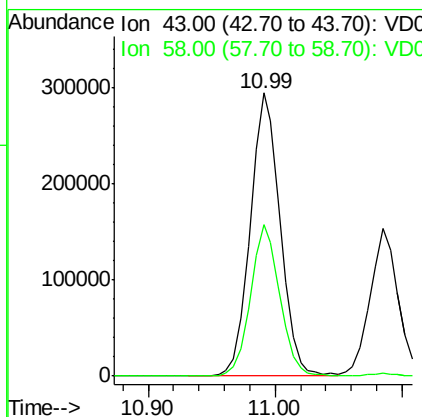
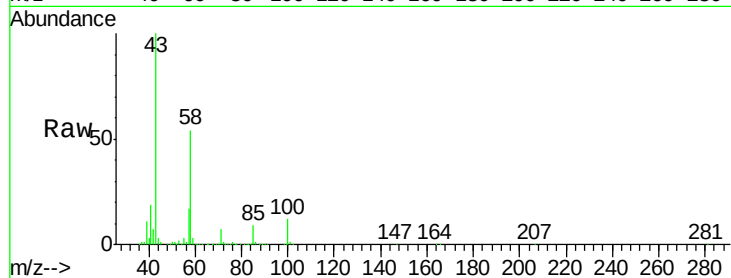
#59
2-Hexanone
Concen: 261.172 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 485012
Ion Ratio Lower Upper
43 100
58 52.5 26.5 79.4

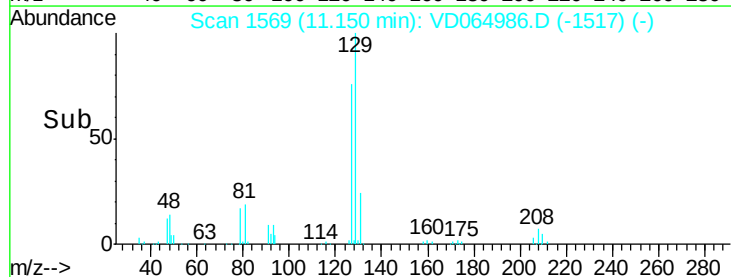
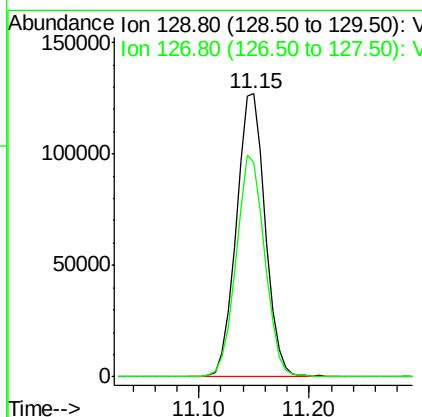
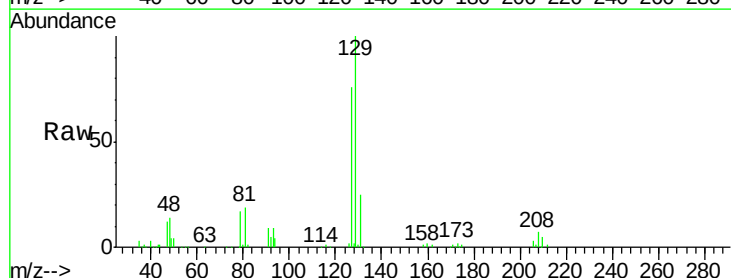
Manual Integrations
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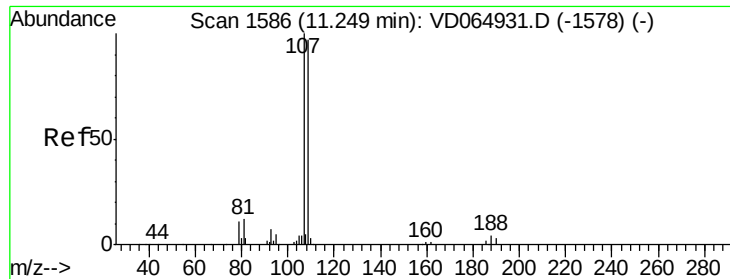
MMDadoda
1/29/2020 12:56:12 PM



#60
Dibromochloromethane
Concen: 51.955 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 129 Resp: 233819
Ion Ratio Lower Upper
129 100
127 77.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 52.077 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 168844

Ion Ratio Lower Upper

107 100

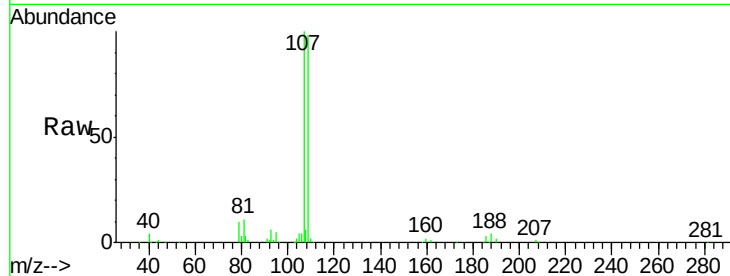
109 95.3 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.26

100000

80000

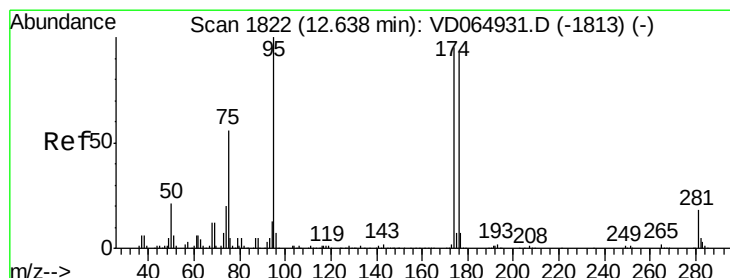
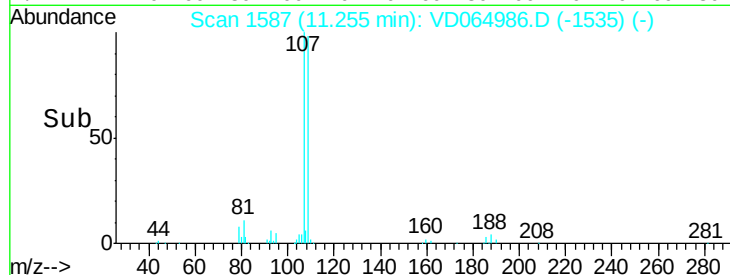
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.476 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

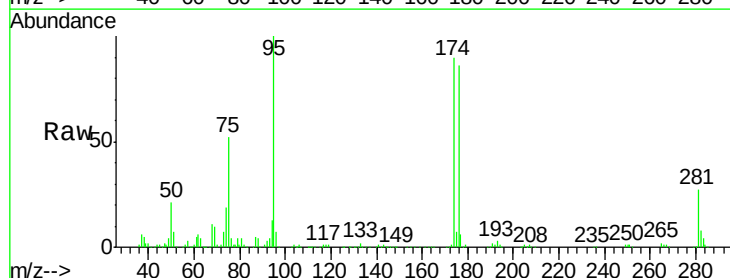
Tgt Ion: 95 Resp: 271720

Ion Ratio Lower Upper

95 100

174 92.1 0.0 186.8

176 89.3 0.0 183.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

200000

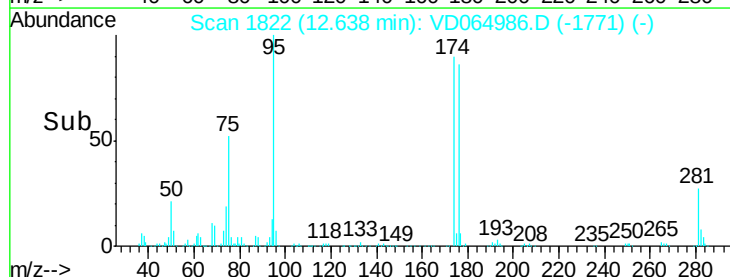
150000

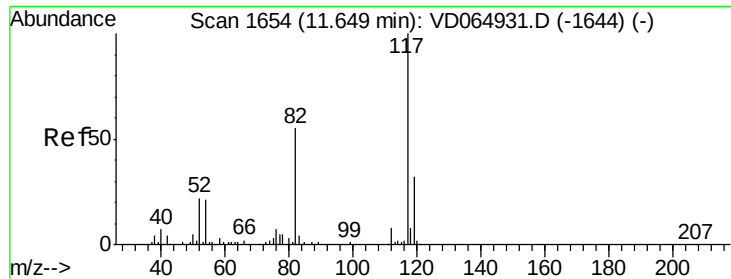
100000

50000

0

Time-->





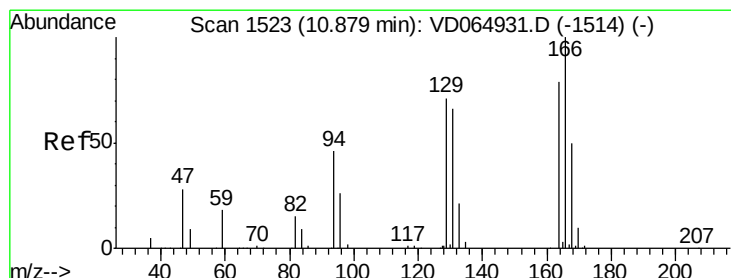
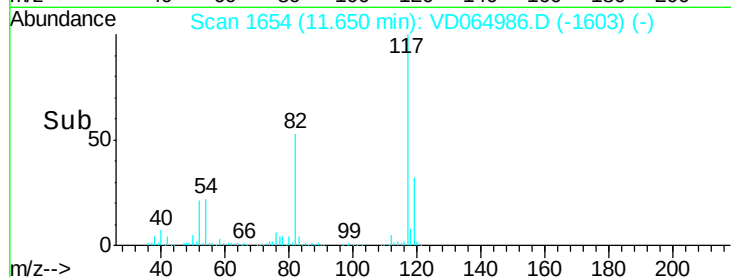
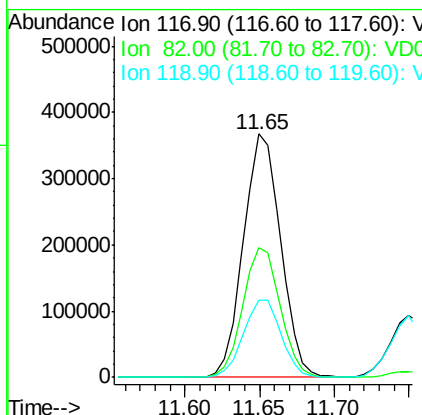
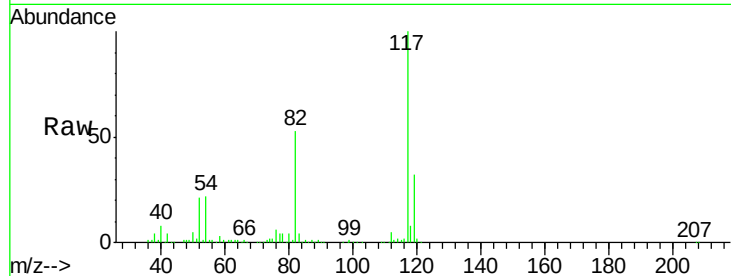
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.6	65.4
119	31.7	25.2	37.8

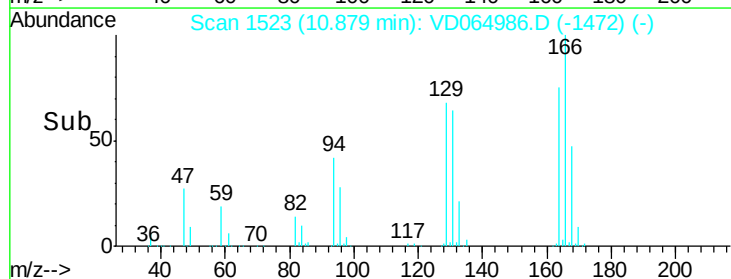
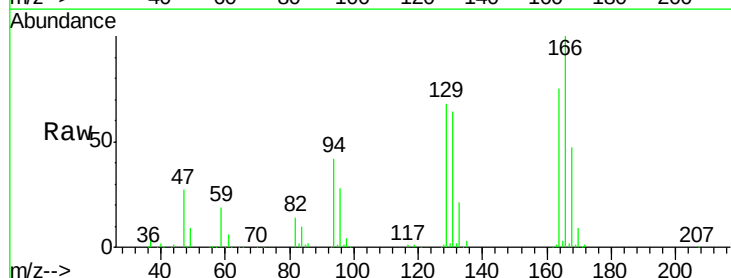
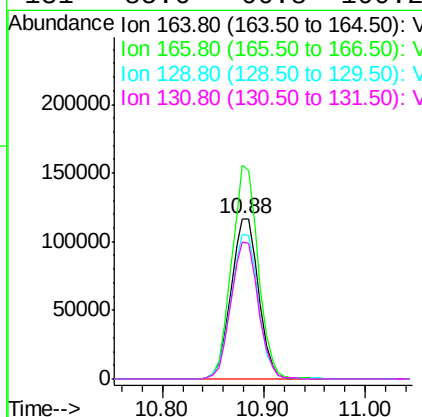
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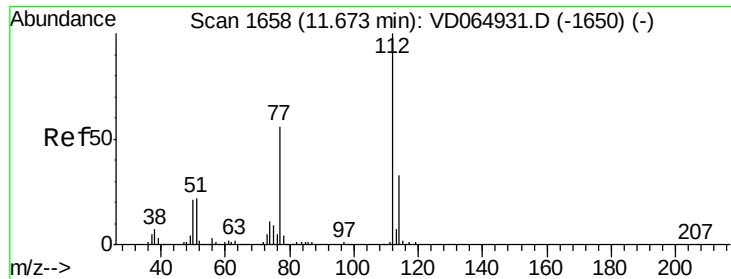
MMDadoda
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#64
Tetrachloroethene
Concen: 47.938 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.2	101.4	152.2
129	90.1	71.8	107.8
131	85.6	66.8	100.2





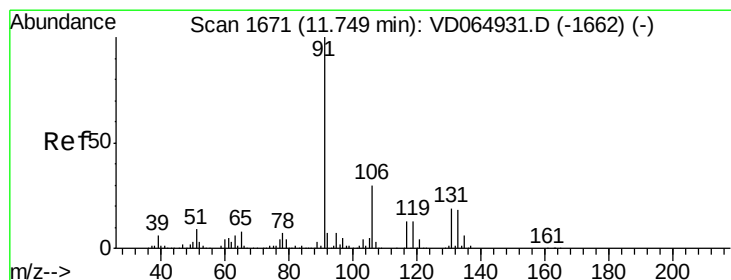
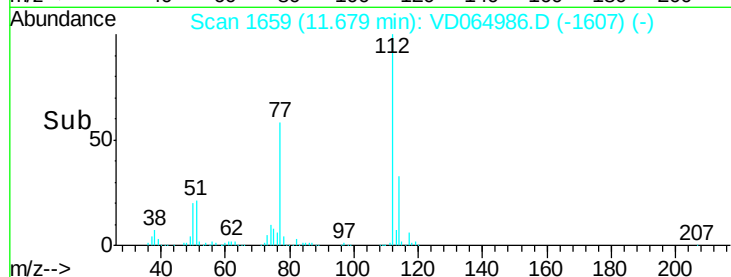
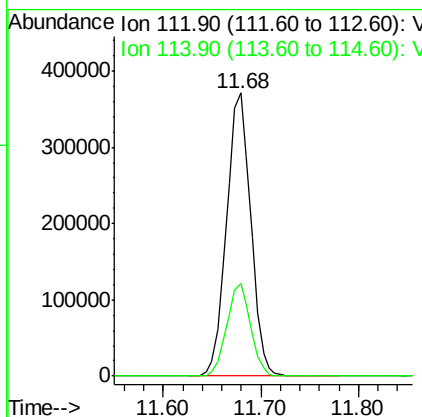
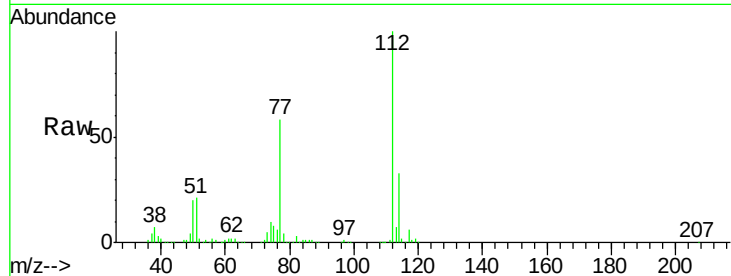
#65
Chlorobenzene
Concen: 49.637 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 638943
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4

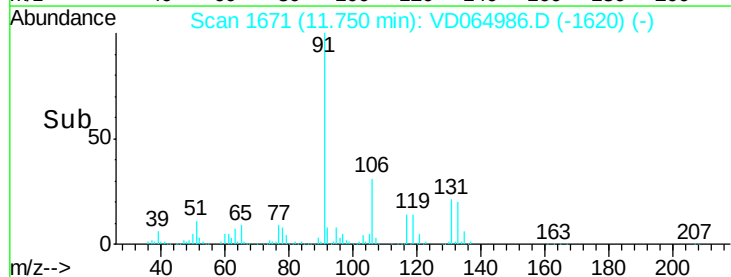
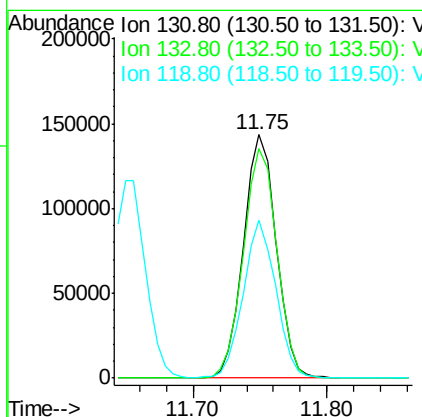
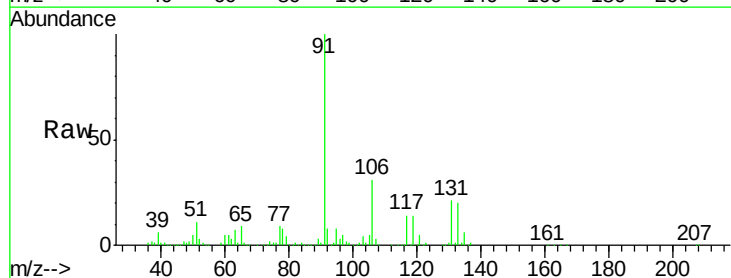
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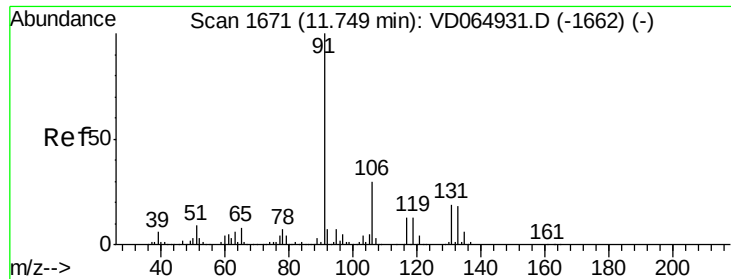
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.280 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion:131 Resp: 243407
Ion Ratio Lower Upper
131 100
133 96.8 47.5 142.5
119 64.7 31.1 93.5





#67

Ethyl Benzene

Concen: 49.597 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1133428

Ion Ratio Lower Upper

91 100

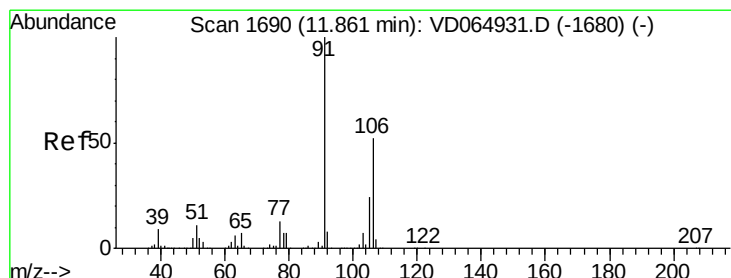
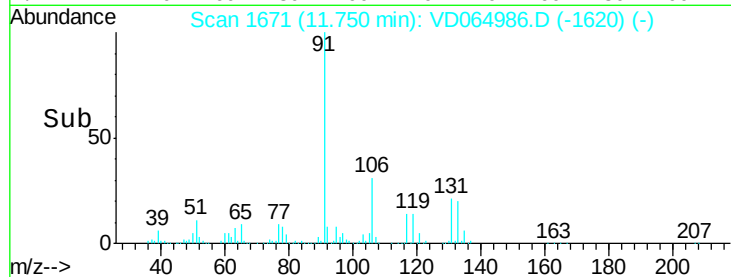
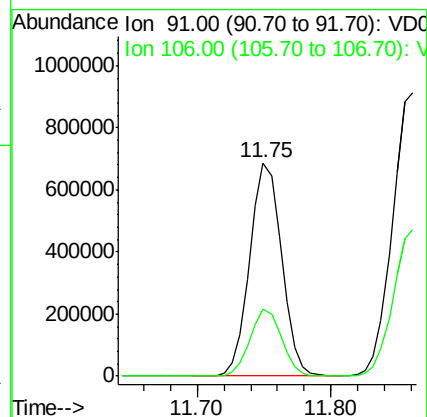
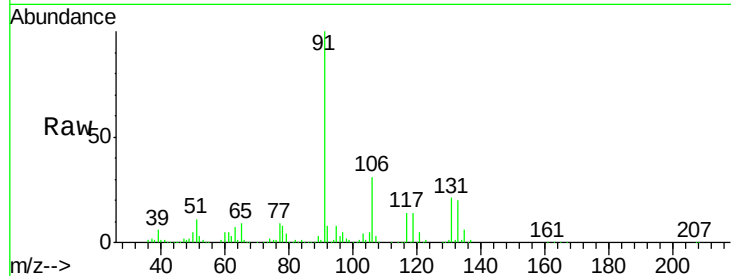
106 31.5 24.3 36.5

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#68

m/p-Xylenes

Concen: 100.293 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD064986.D

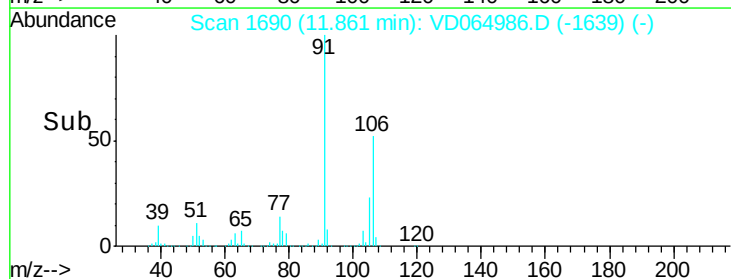
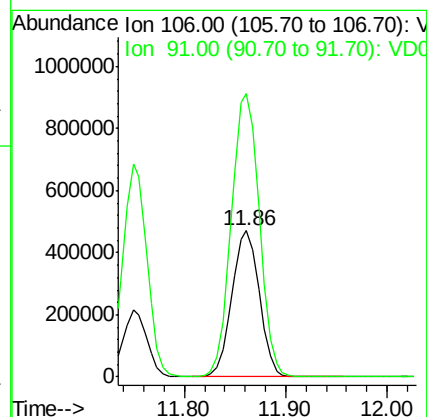
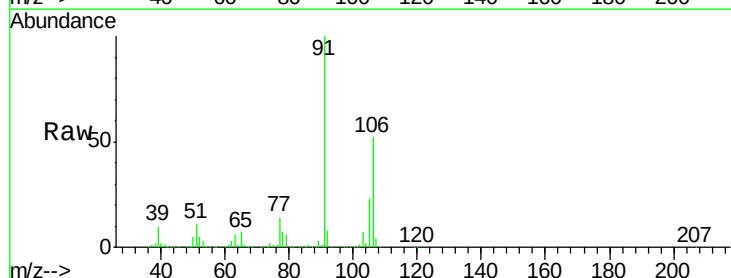
Acq: 28 Jan 2020 19:44

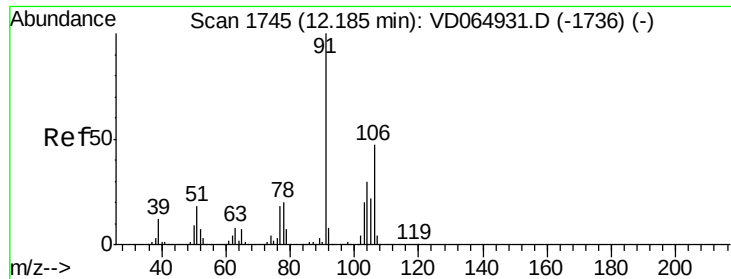
Tgt Ion: 106 Resp: 882463

Ion Ratio Lower Upper

106 100

91 198.3 159.0 238.4





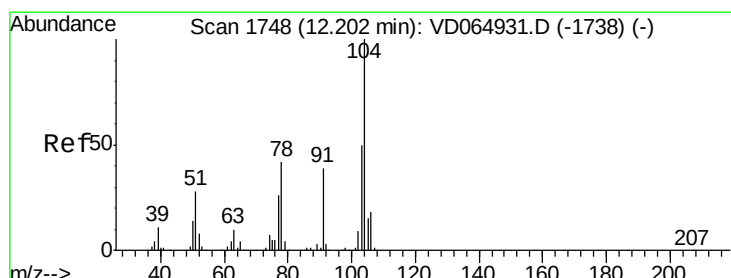
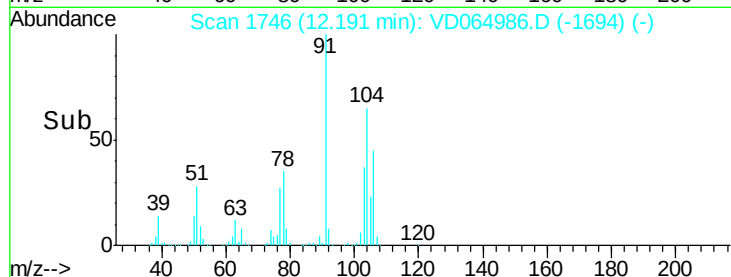
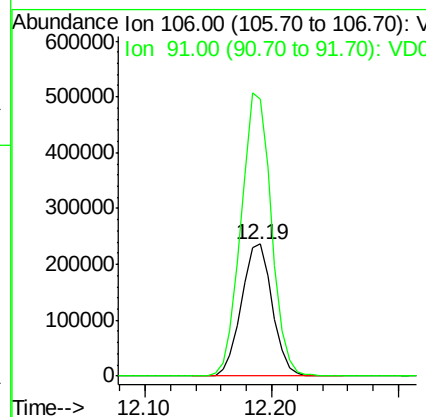
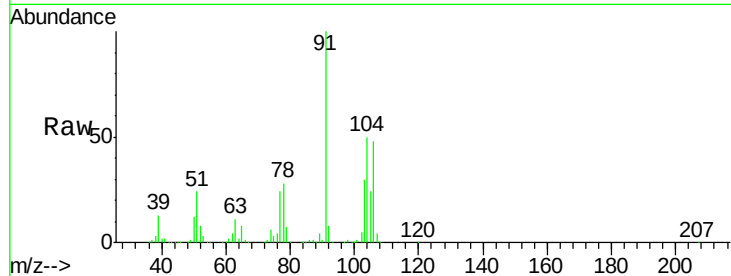
#69
o-Xylene
Concen: 50.883 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		397350		
91	211.4	106.7	319.9		

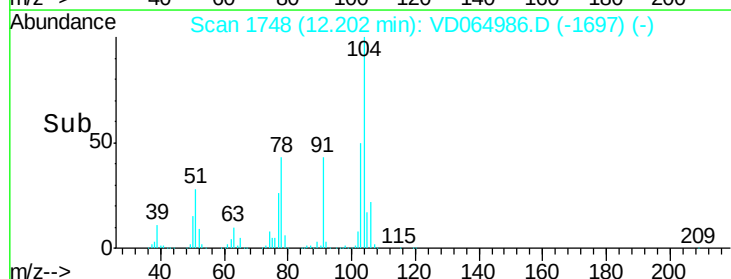
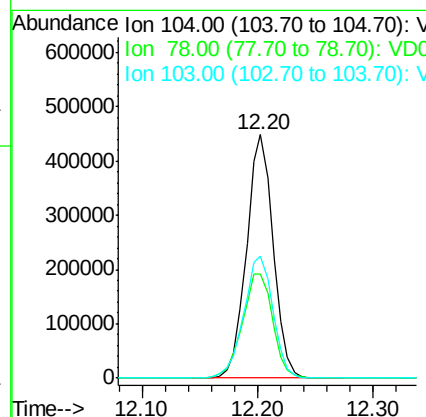
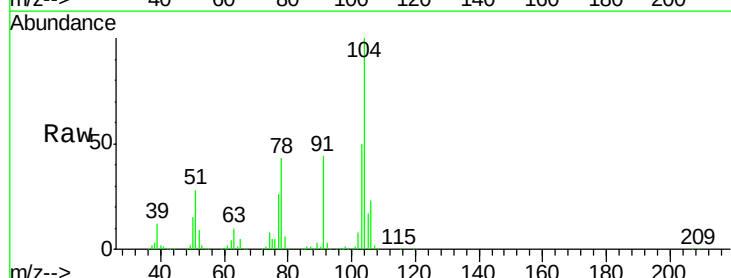
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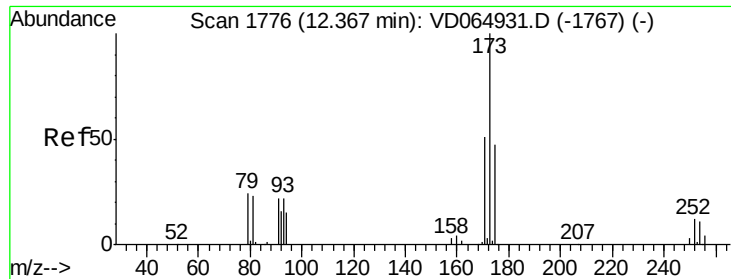
MMDadoda
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#70
Styrene
Concen: 51.629 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		718204		
78	48.6	38.3	57.5		
103	54.9	43.5	65.3		





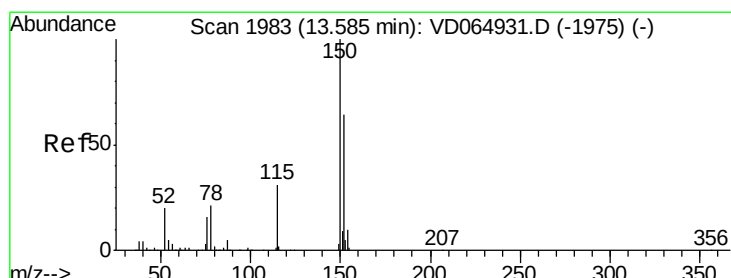
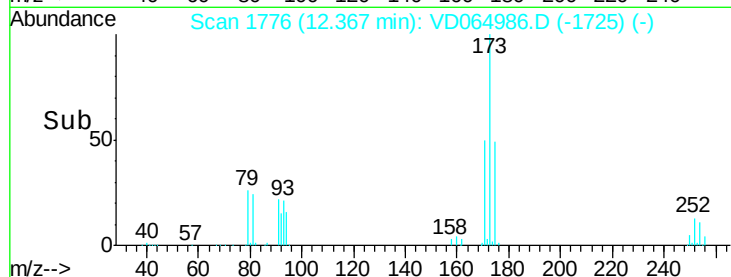
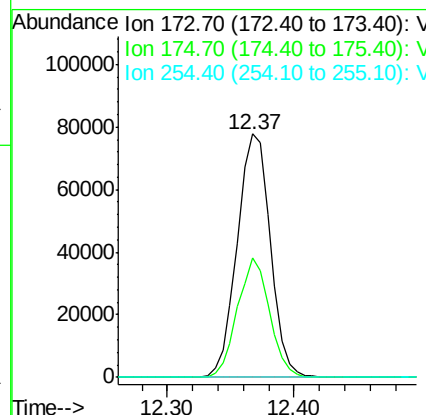
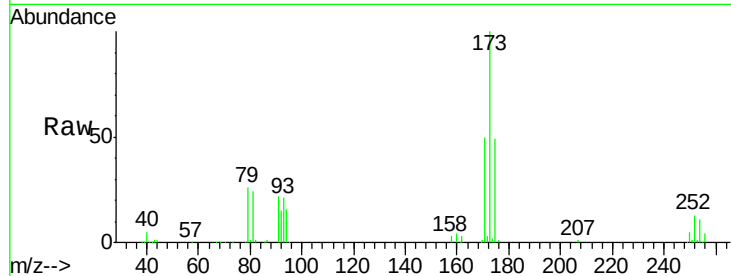
#71
Bromoform
Concen: 52.264 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.8
254	0.2	0.1	0.1#

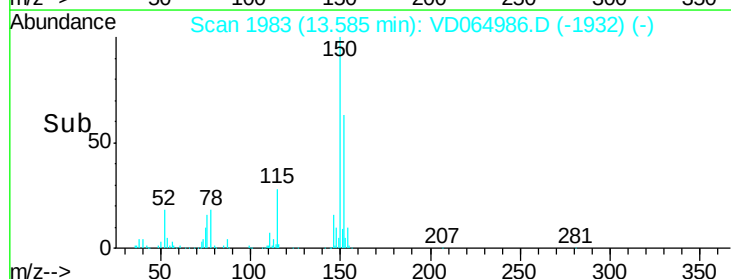
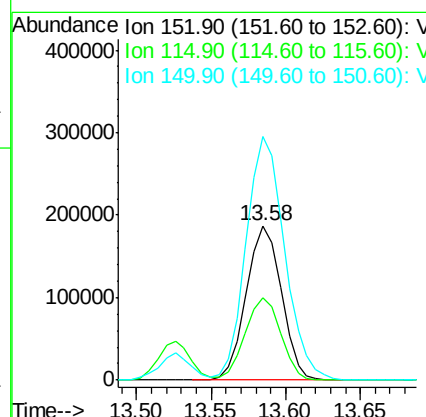
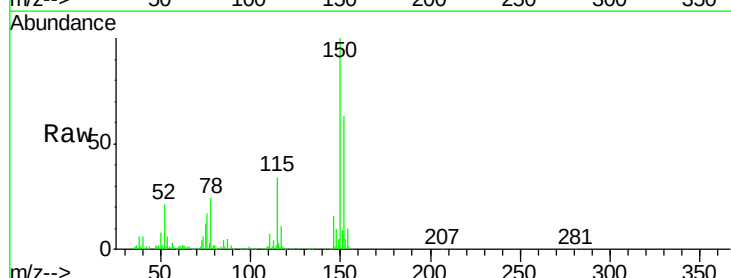
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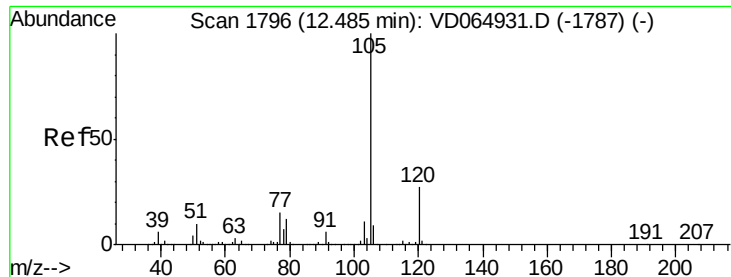
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	28.1	84.4
150	172.0	0.0	350.4





#73

Isopropylbenzene

Concen: 49.144 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1029676

Ion Ratio Lower Upper

105 100

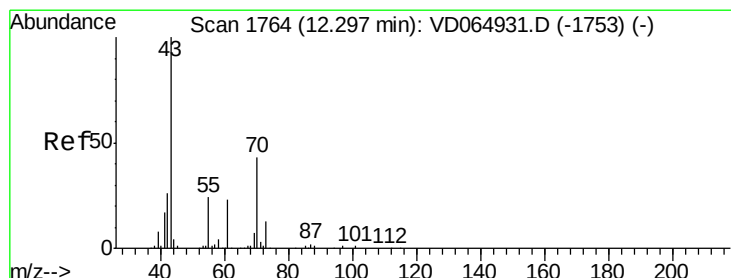
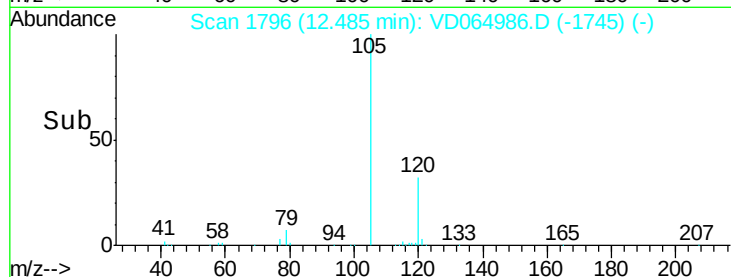
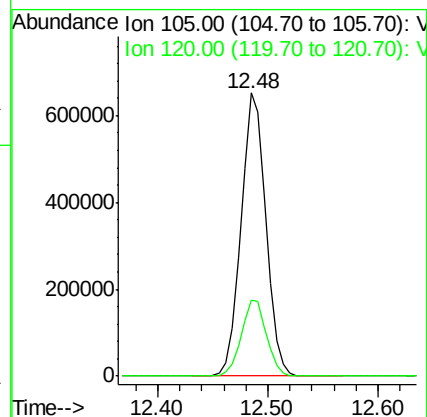
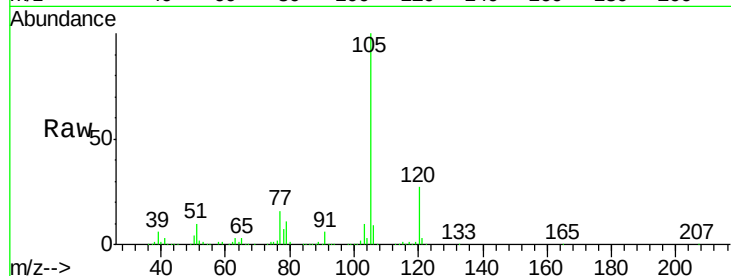
120 27.3 13.3 39.8

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#74

N-ethyl acetate

Concen: 54.736 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Tgt Ion: 43 Resp: 256628

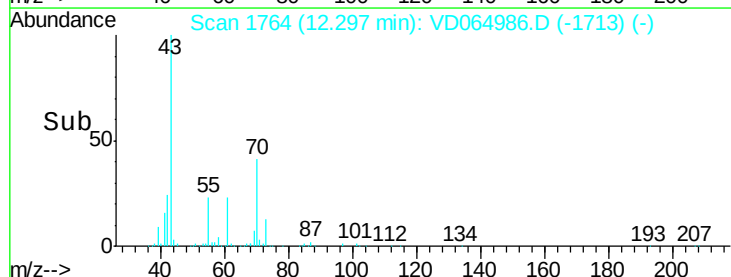
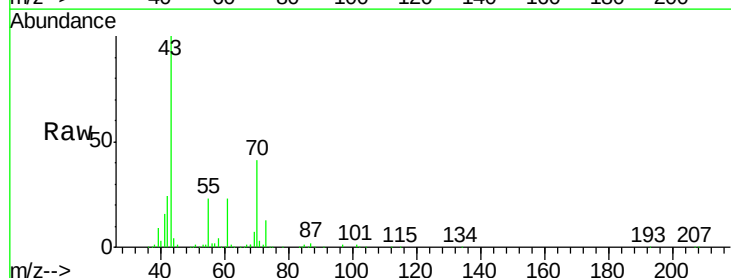
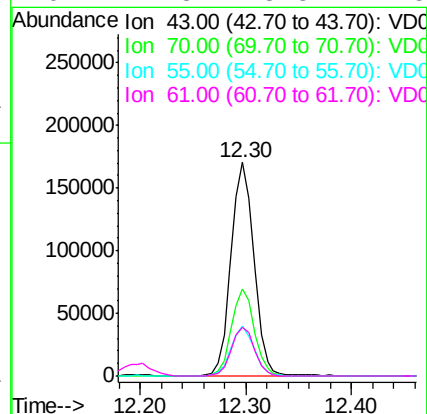
Ion Ratio Lower Upper

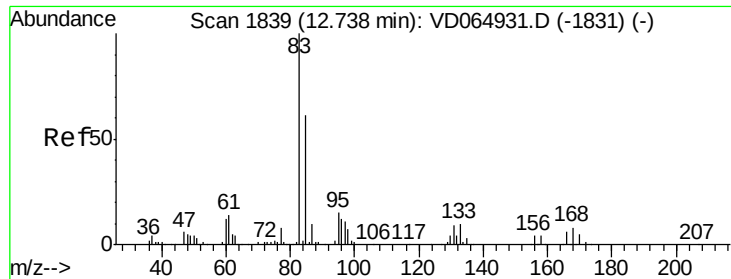
43 100

70 40.7 32.6 49.0

55 23.4 19.9 29.9

61 22.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.010 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

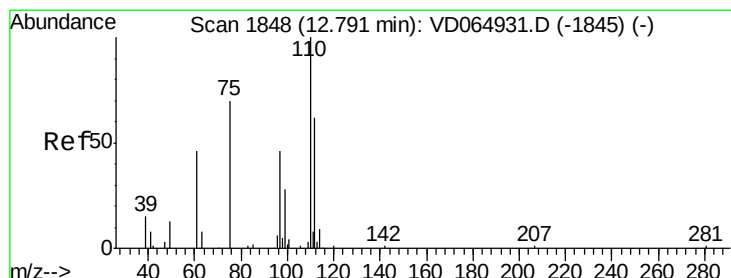
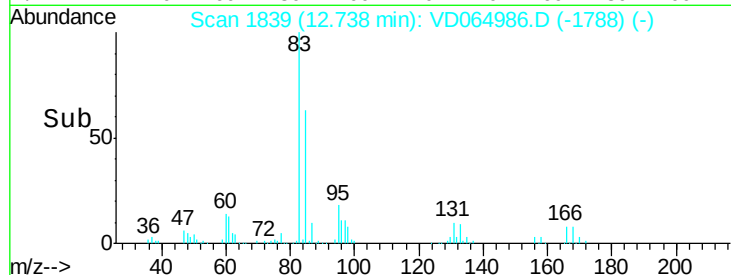
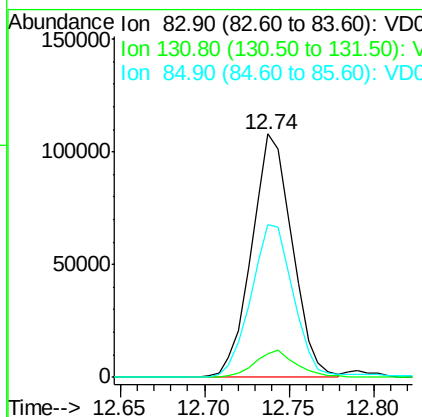
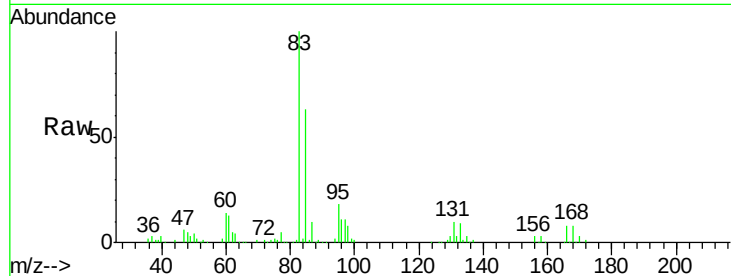
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	179633
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.4
85	66.5	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 49.514 ug/l m

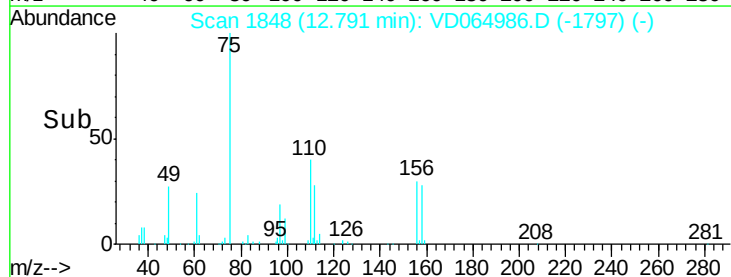
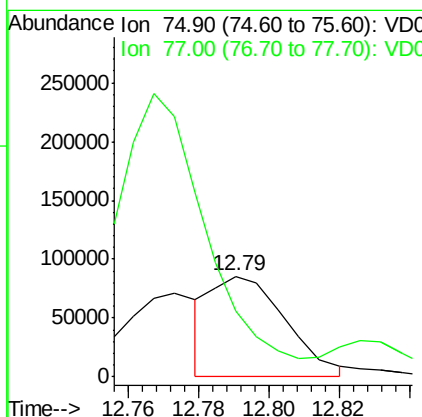
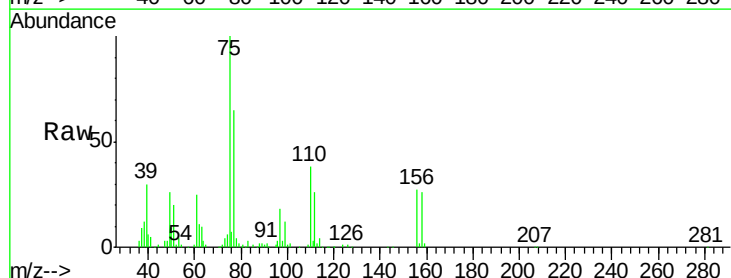
RT: 12.79 min Scan# 1848

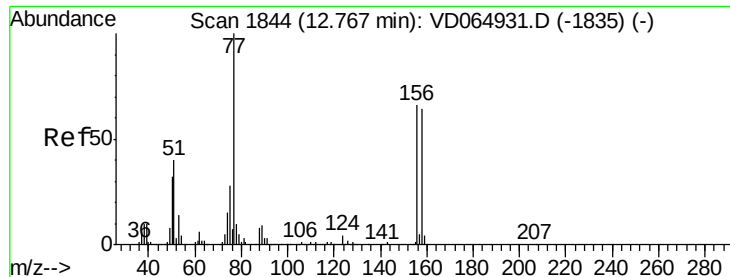
Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Tgt Ion:	75	Resp:	125984
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.316 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 263072

Ion Ratio Lower Upper

156 100

77 167.5 84.2 252.5

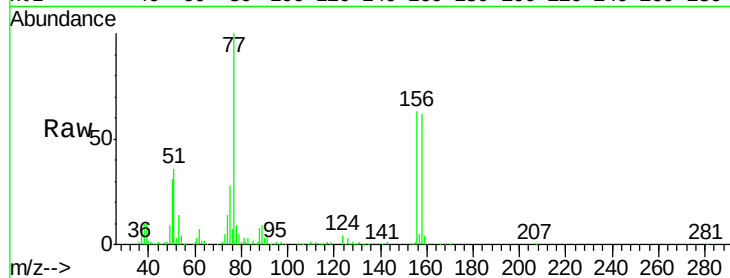
158 97.0 48.1 144.4

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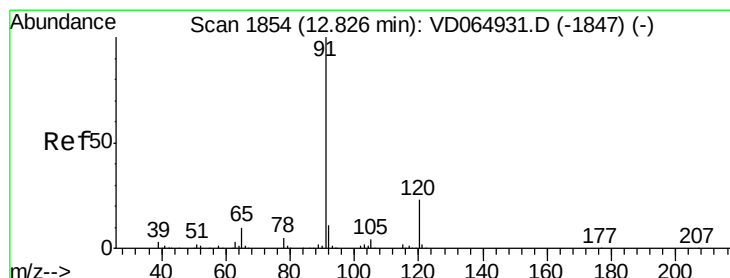
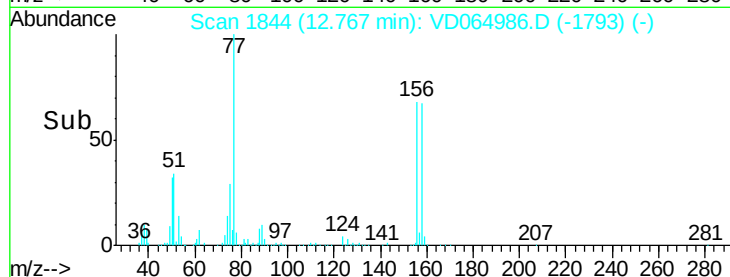
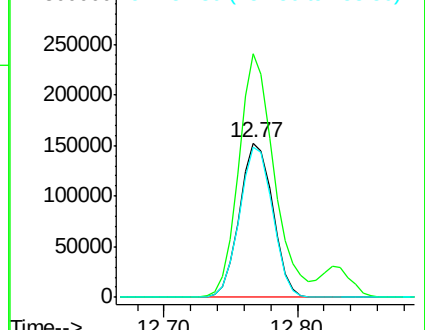
1/29/2020 12:56:12 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.720 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064986.D

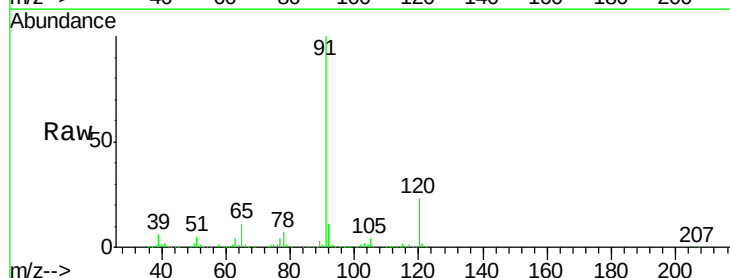
Acq: 28 Jan 2020 19:44

Tgt Ion: 91 Resp: 1213968

Ion Ratio Lower Upper

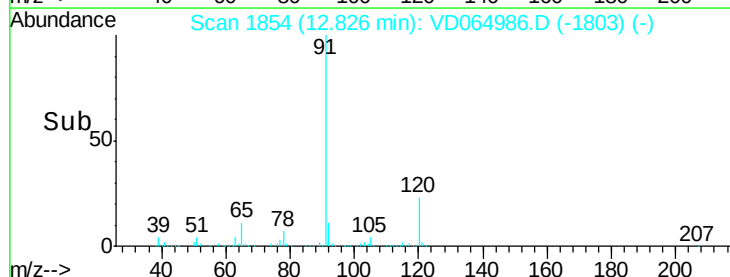
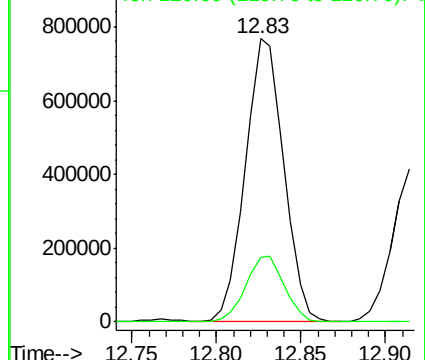
91 100

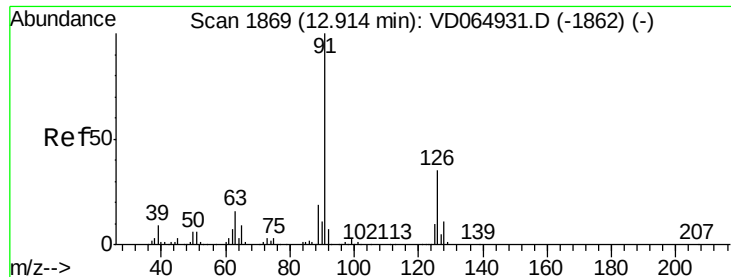
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.771 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 680339

Ion Ratio Lower Upper

91 100

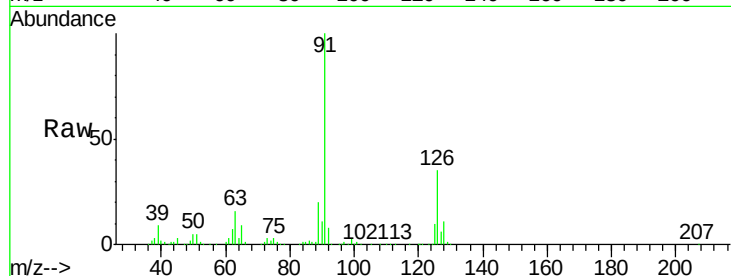
126 35.4 17.9 53.8

Manual Integrations

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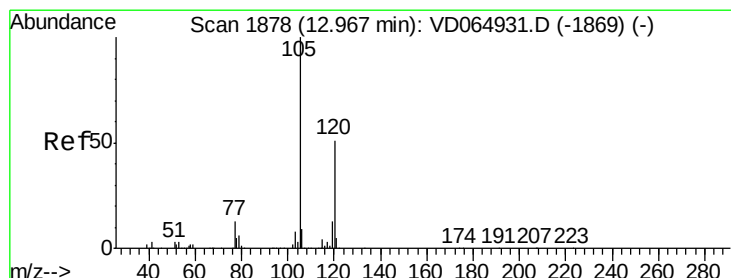
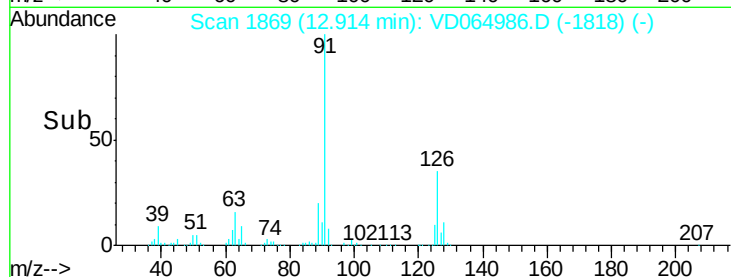
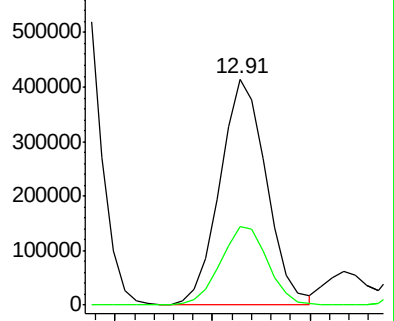
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064931.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.858 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064986.D

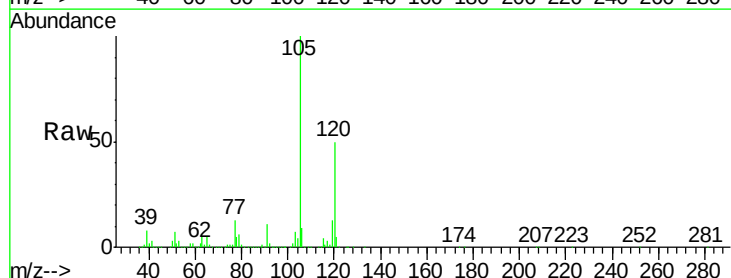
Acq: 28 Jan 2020 19:44

Tgt Ion: 105 Resp: 856082

Ion Ratio Lower Upper

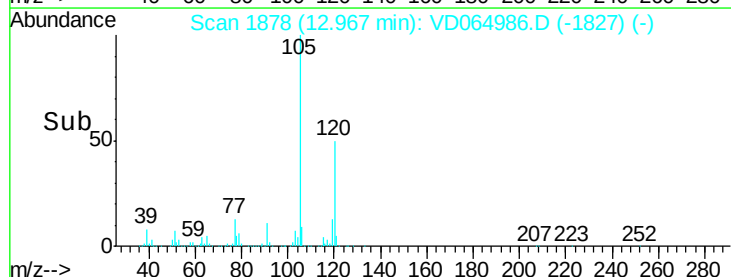
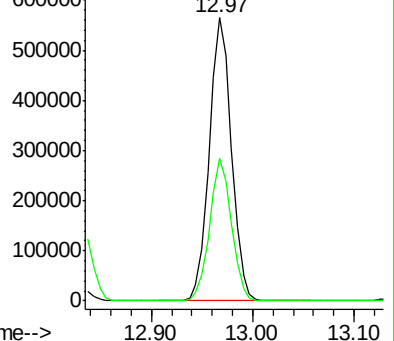
105 100

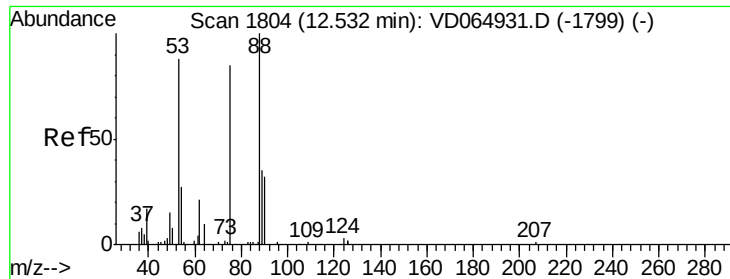
120 49.6 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD064931.D (-1869) (-)





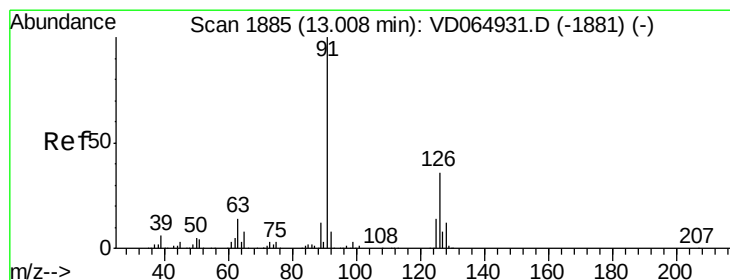
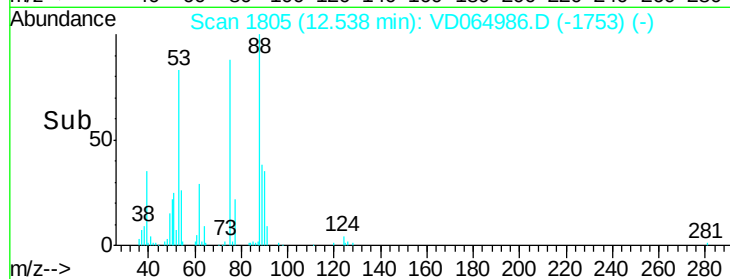
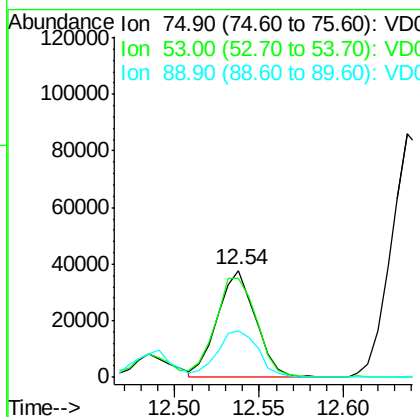
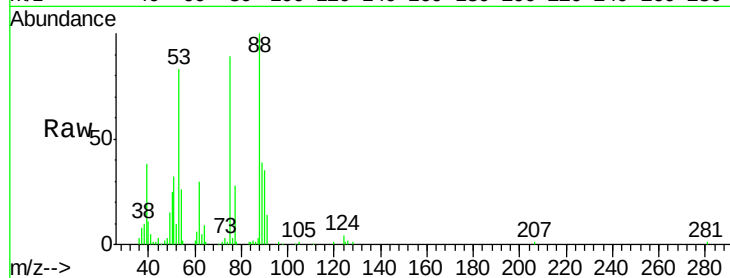
#81
trans-1,4-Dichloro-2-butene
Concen: 49.975 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	81.0	121.4
89	46.5	36.2	54.4

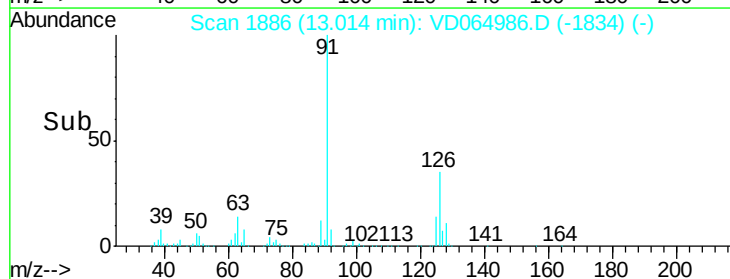
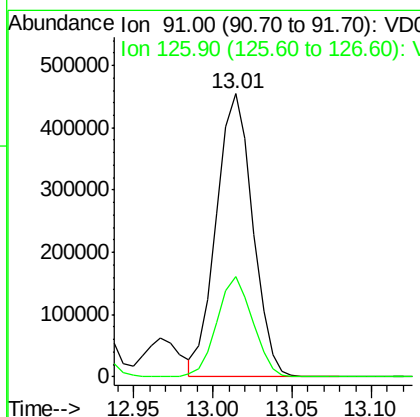
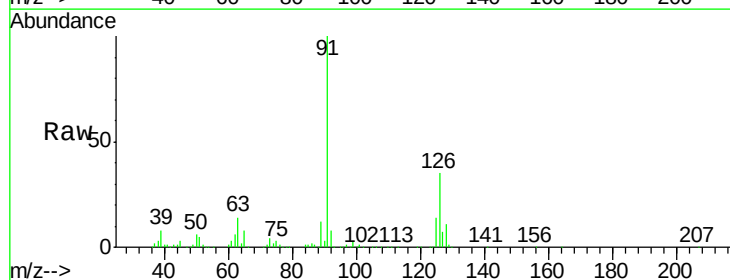
Manual Integrations
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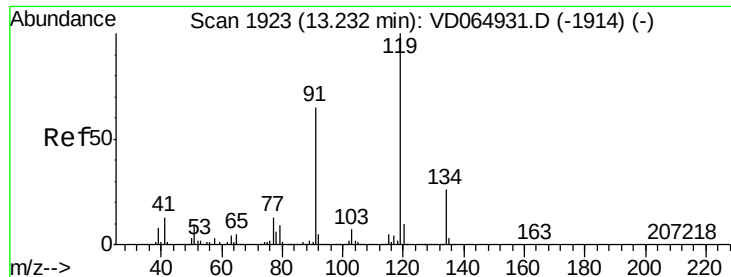
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#82
4-Chlorotoluene
Concen: 50.141 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	18.0	54.0





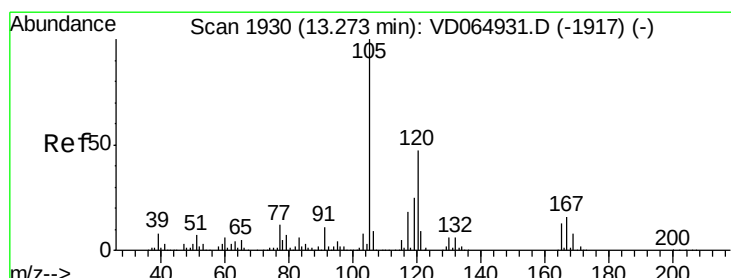
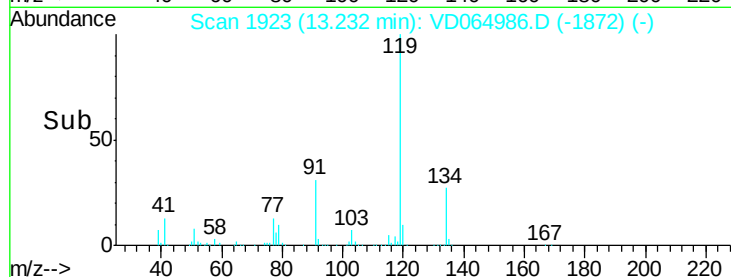
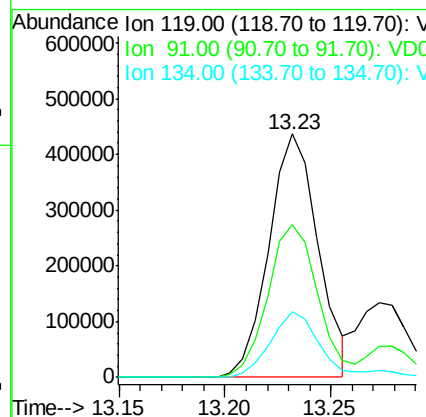
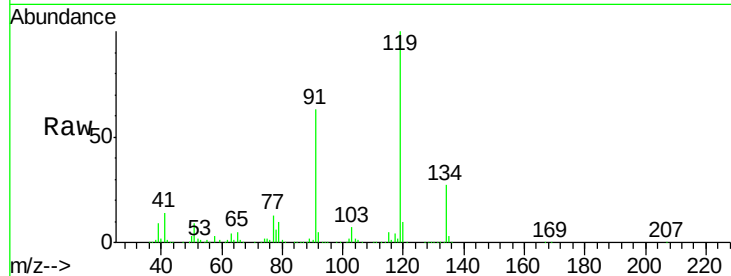
#83
 tert-Butylbenzene
 Concen: 48.580 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.0	96.0
134	28.3	13.9	41.6

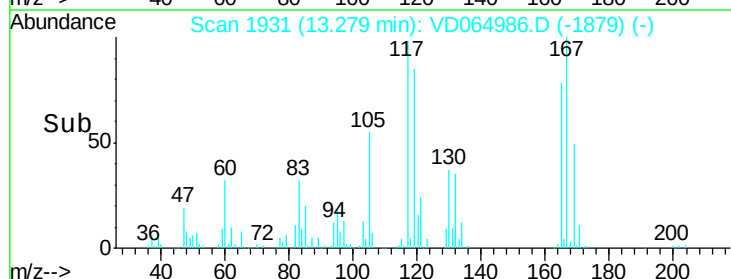
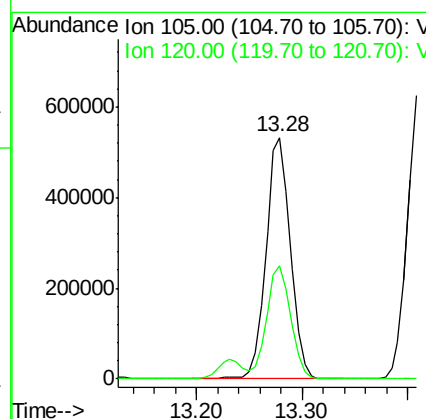
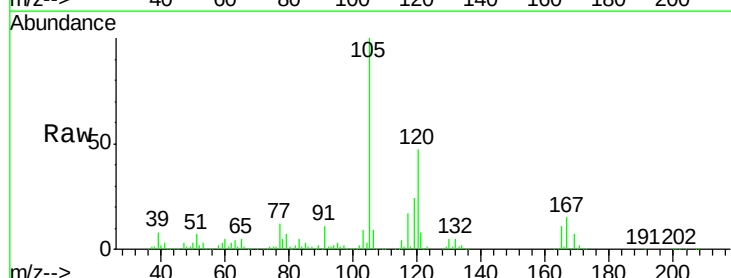
Manual Integrations
 APPROVED

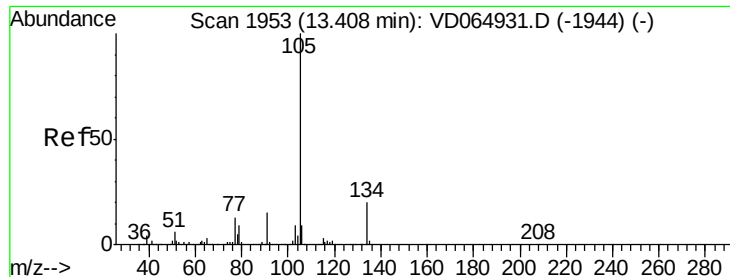
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.065 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 47.372 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 977348

Ion Ratio Lower Upper

105 100

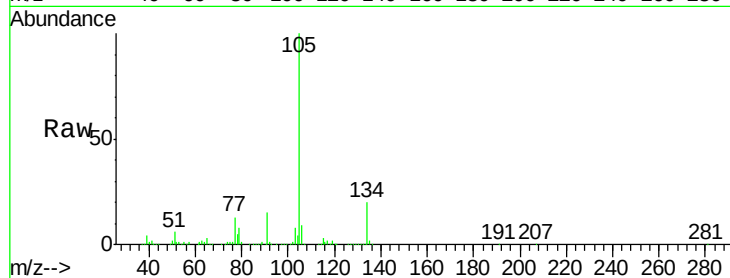
134 20.4 10.4 31.4

Manual Integrations

APPROVED

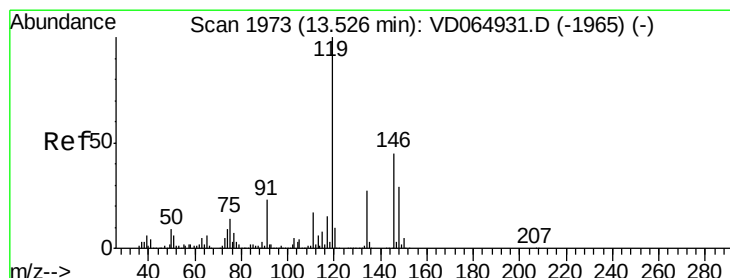
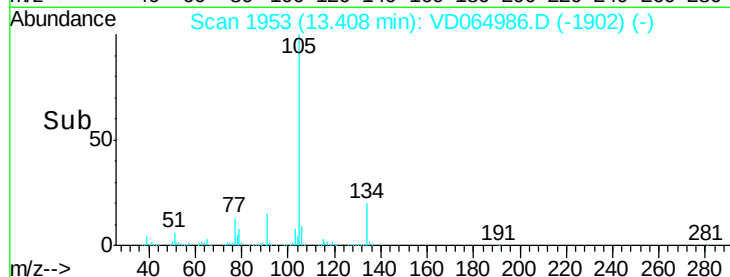
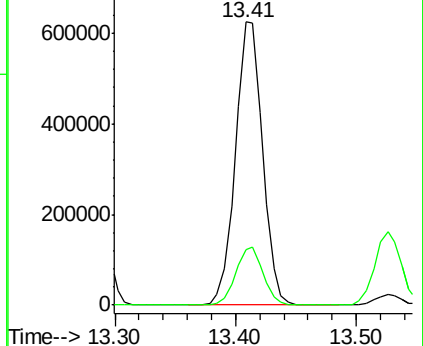
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.290 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

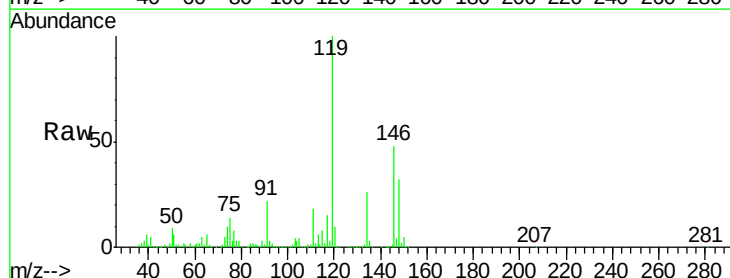
Tgt Ion:119 Resp: 932281

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

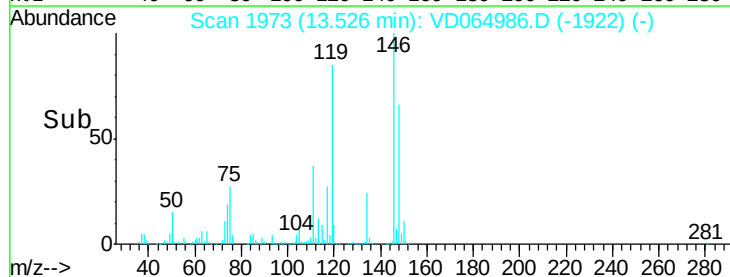
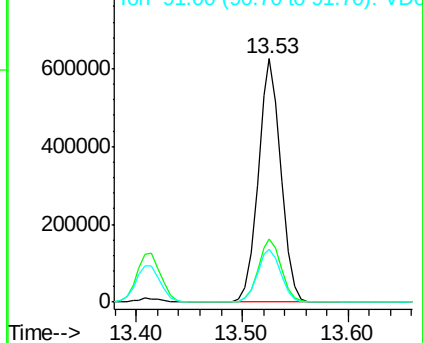
91 22.6 11.4 34.2

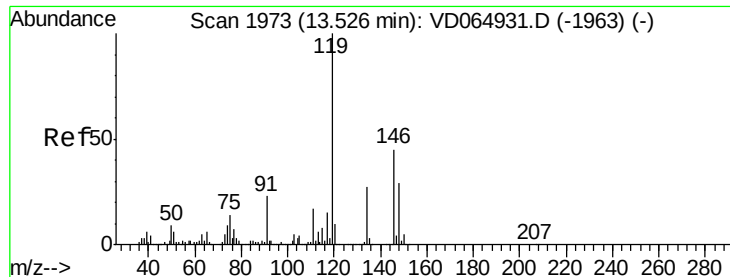


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.767 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

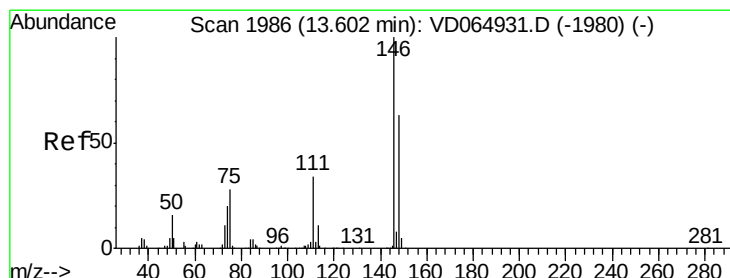
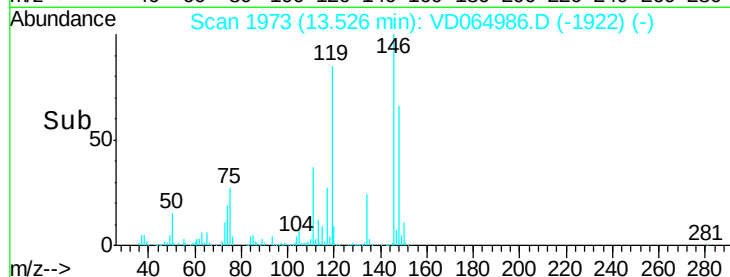
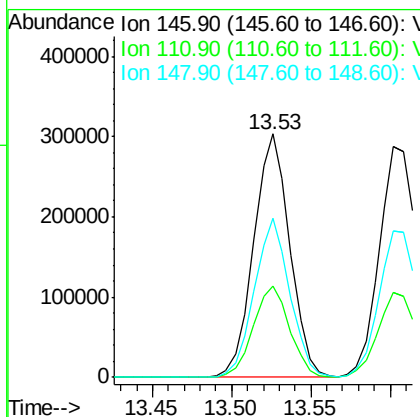
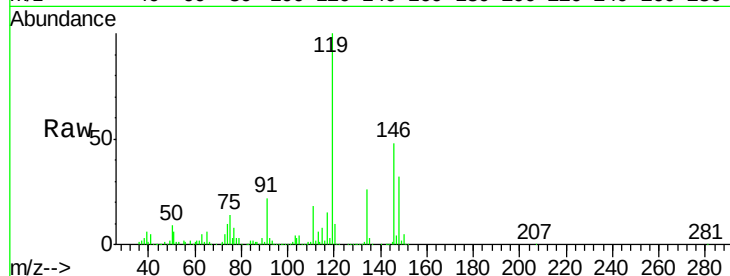
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	479686
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.9	56.9
148	64.5	32.6	97.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.679 ug/l

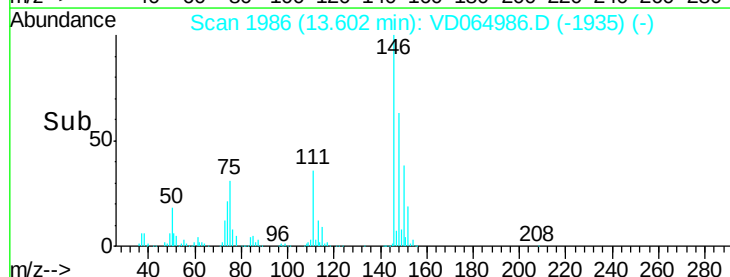
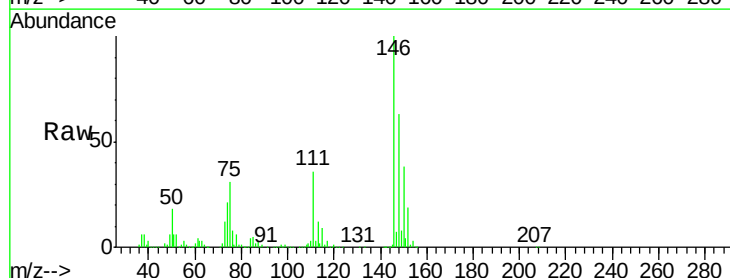
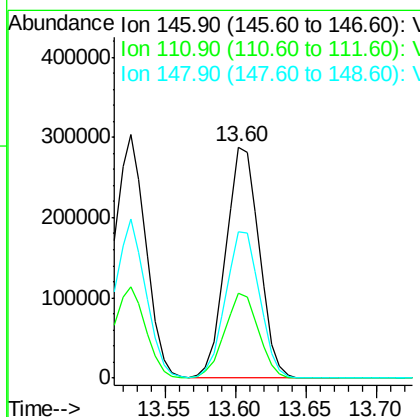
RT: 13.60 min Scan# 1986

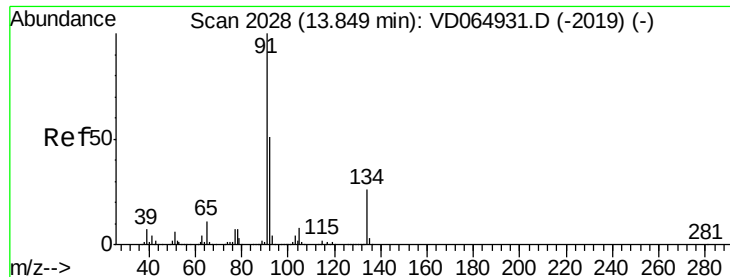
Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Tgt Ion:	146	Resp:	475237
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.2	54.6
148	64.7	32.0	96.0





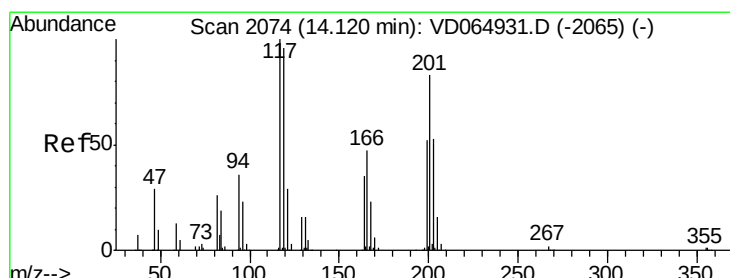
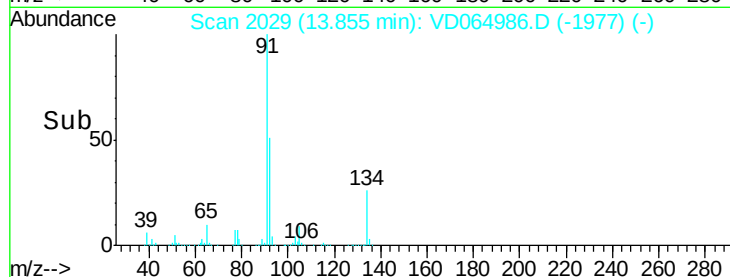
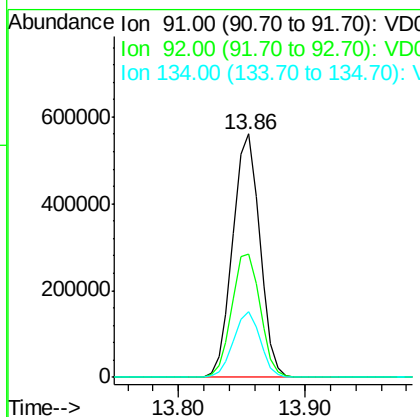
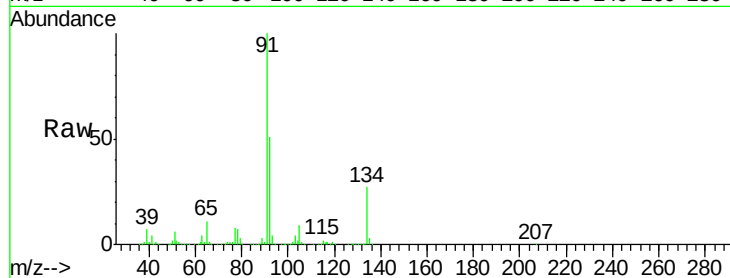
#89
n-Butylbenzene
Concen: 47.044 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.4	79.0
134	26.7	13.3	39.9

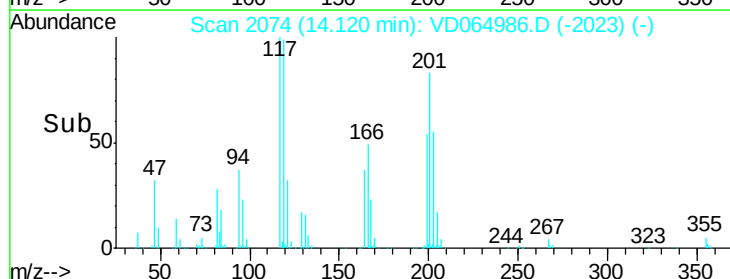
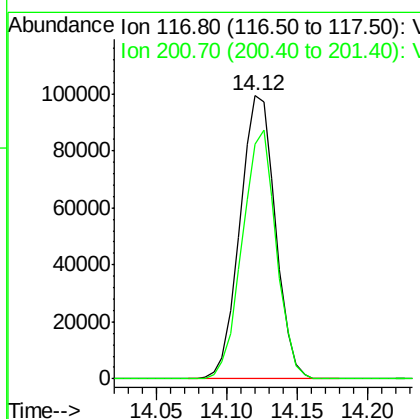
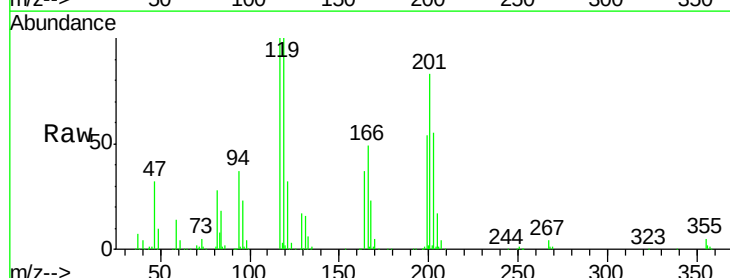
Manual Integrations
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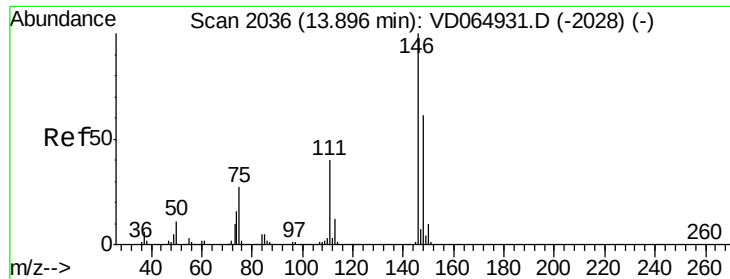
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#90
Hexachloroethane
Concen: 46.895 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	41.1	123.3





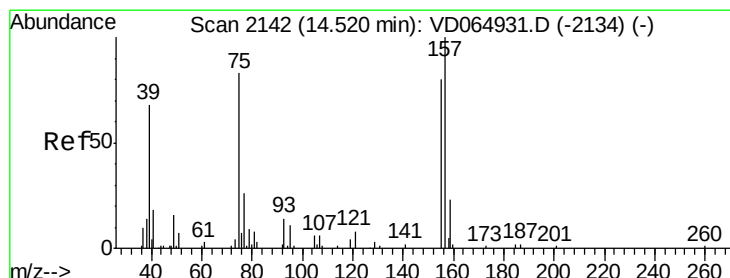
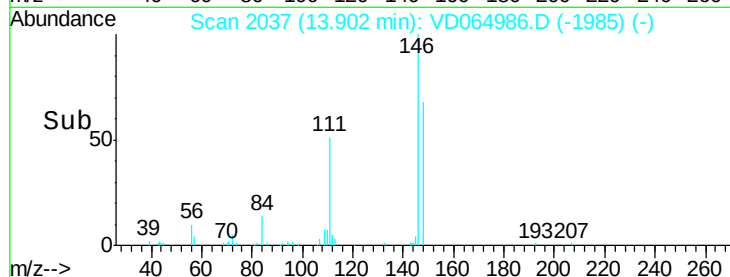
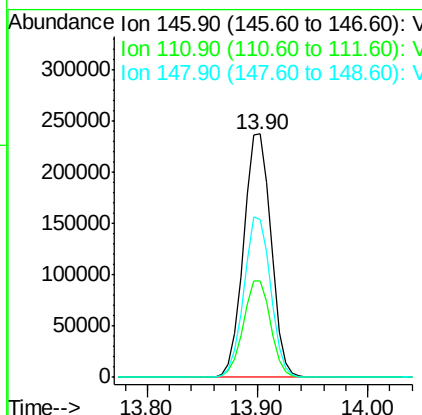
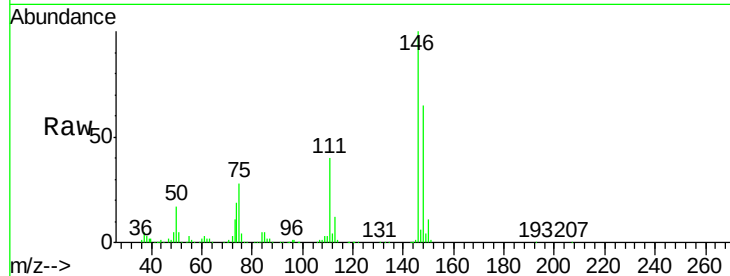
#91
 1,2-Dichlorobenzene
 Concen: 49.822 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.2
148	64.3	31.6	95.0

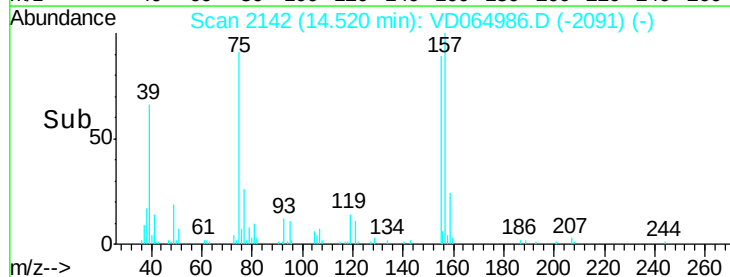
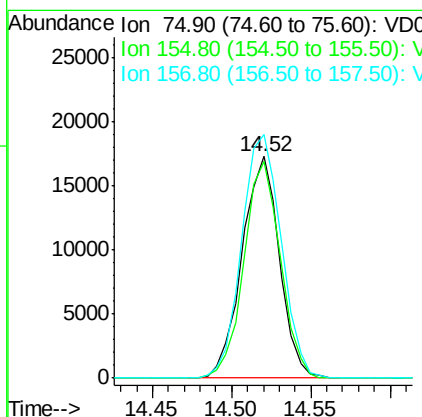
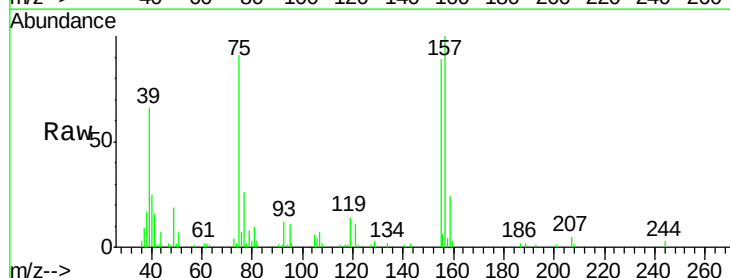
Manual Integrations
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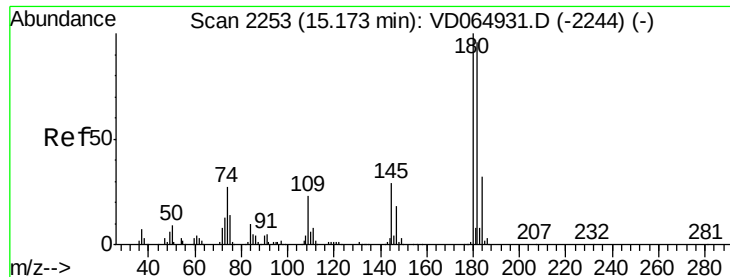
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.320 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	44.9	134.7
157	116.7	58.9	176.6





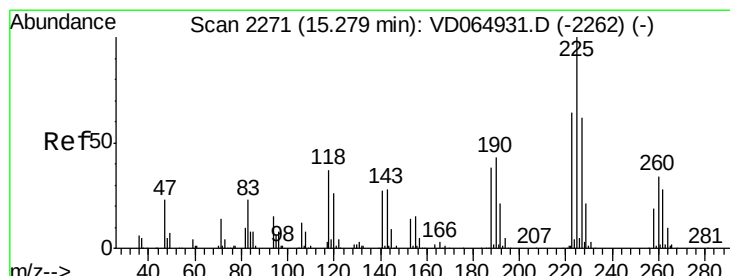
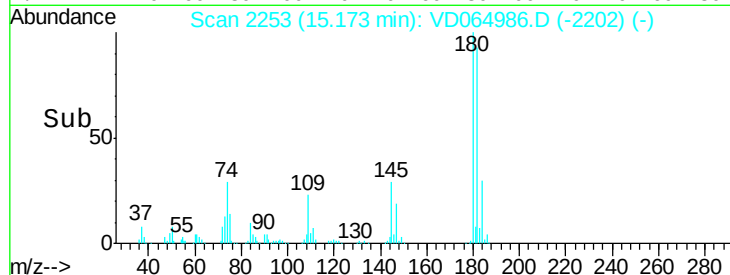
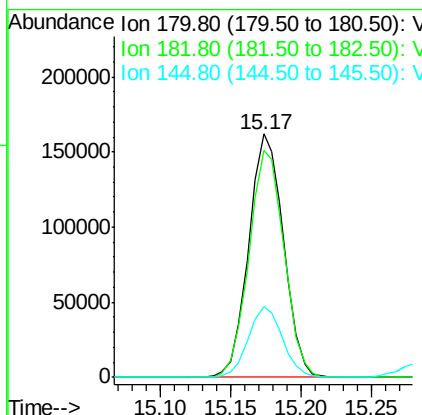
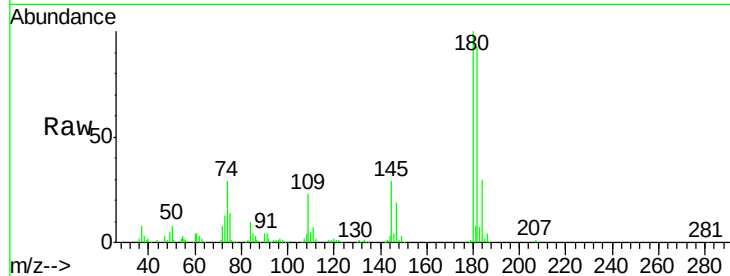
#93
 1,2,4-Trichlorobenzene
 Concen: 48.365 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	279407		
182	94.5	47.1	141.4	
145	28.7	14.1	42.3	

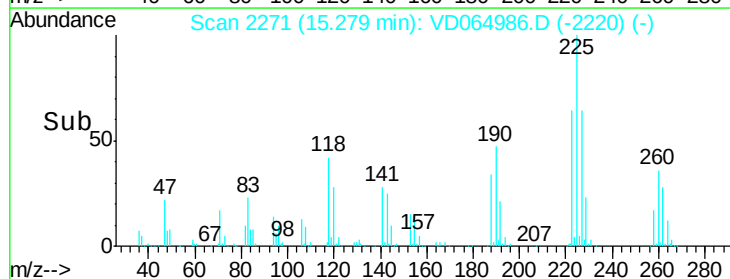
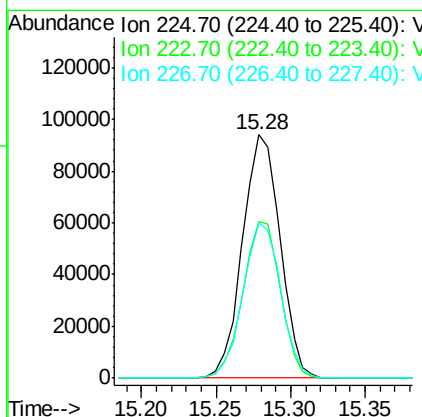
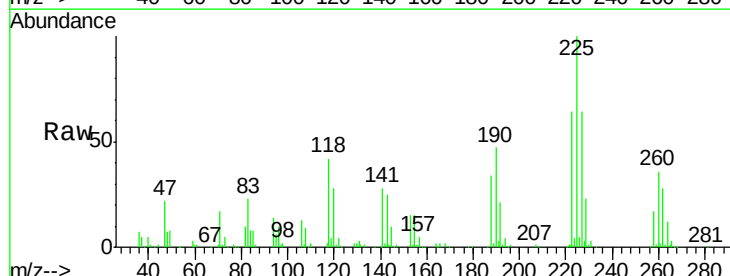
Manual Integrations
 APPROVED

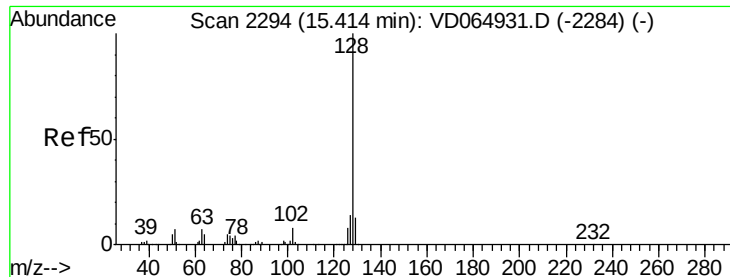
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#94
 Hexachlorobutadiene
 Concen: 44.970 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164327		
223	63.8	32.4	97.2	
227	63.6	31.9	95.9	





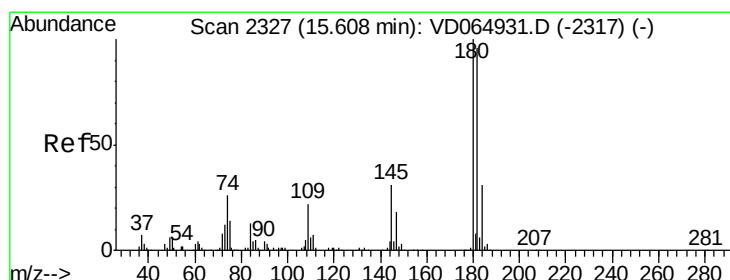
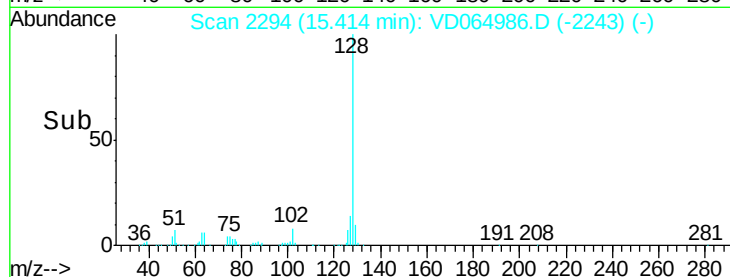
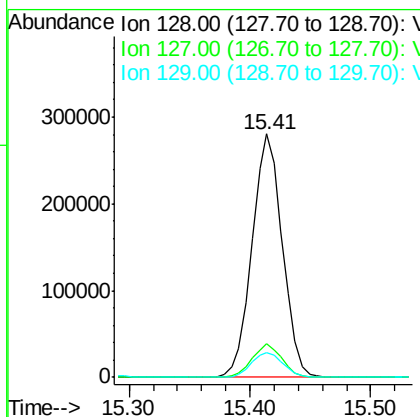
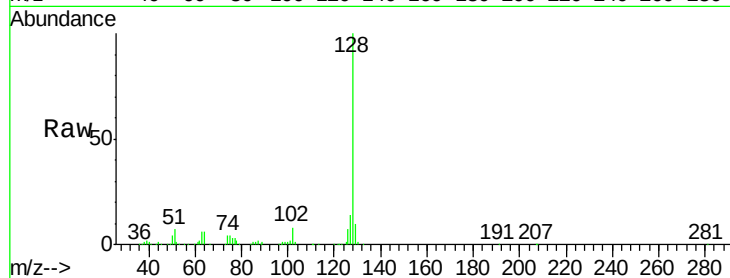
#95
Naphthalene
Concen: 52.579 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	490225		
127	13.3	10.6	15.8	
129	10.6	9.3	13.9	

Manual Integrations
APPROVED

MMDadoda
1/29/2020 12:56:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.161 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	241241		
182	95.4	47.3	141.8	
145	29.8	14.6	43.8	

