

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064938.D
 Acq On : 24 Jan 2020 12:51
 Operator : VA/SY
 Sample : VD0124SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:03:07 PM

Quant Time: Jan 25 02:54:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	448767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	665052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	589492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282806	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	206759	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
35) Dibromofluoromethane	7.92	113	203508	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.34	98	780013	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.64	95	240574	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	68217	20.178	ug/l	99
3) Chloromethane	2.21	50	105079	21.207	ug/l	97
4) Vinyl Chloride	2.35	62	117359	20.622	ug/l	96
5) Bromomethane	2.76	94	76301	19.931	ug/l	97
6) Chloroethane	2.92	64	75594	20.148	ug/l	97
7) Trichlorofluoromethane	3.27	101	181490	20.649	ug/l	97
8) Diethyl Ether	3.71	74	38823	19.567	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	83371	20.389	ug/l	98
10) Methyl Iodide	4.29	142	70105	16.151	ug/l	96
11) Tert butyl alcohol	5.25	59	19840	83.404	ug/l	98
12) 1,1-Dichloroethene	4.06	96	77709	19.893	ug/l	90
13) Acrolein	3.92	56	25923	86.930	ug/l	96
14) Allyl chloride	4.71	41	122897	19.725	ug/l	99
15) Acrylonitrile	5.43	53	81690	95.075	ug/l	96
16) Acetone	4.17	43	78414	77.972	ug/l	100
17) Carbon Disulfide	4.40	76	258218	20.085	ug/l	97
18) Methyl Acetate	4.73	43	38757	19.224	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	163796	18.766	ug/l	95
20) Methylene Chloride	4.96	84	93490	18.274	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	89820	19.957	ug/l	92
22) Diisopropyl ether	6.37	45	248422	20.007	ug/l	98
23) Vinyl Acetate	6.31	43	668691	91.982	ug/l	100
24) 1,1-Dichloroethane	6.26	63	152125	19.955	ug/l	97
25) 2-Butanone	7.22	43	101685	87.436	ug/l	99
26) 2,2-Dichloropropane	7.20	77	134562	19.459	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	92440	19.243	ug/l	98
28) Bromochloromethane	7.54	49	50641	16.610	ug/l	97
29) Tetrahydrofuran	7.57	42	63545	88.558	ug/l	97
30) Chloroform	7.71	83	159018	20.178	ug/l	97
31) Cyclohexane	7.98	56	147769	19.703	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	149531	20.396	ug/l	99
36) 1,1-Dichloropropene	8.11	75	127559	19.891	ug/l	98
37) Ethyl Acetate	7.30	43	47395	17.892	ug/l	98
38) Carbon Tetrachloride	8.10	117	133769	19.735	ug/l #	88

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Quant Time: Jan 25 02:54:19 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)
39) Methylcyclohexane	9.36	83	145205	19.367	ug/l	95
40) Benzene	8.35	78	340091	19.255	ug/l	99
41) Methacrylonitrile	7.53	41	27458	19.242	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	100762	19.152	ug/l	100
43) Isopropyl Acetate	8.46	43	90103	17.907	ug/l	97
44) Trichloroethene	9.11	130	96651	19.553	ug/l	100
45) 1,2-Dichloropropane	9.39	63	84806	19.806	ug/l	94
46) Dibromomethane	9.48	93	44887	19.202	ug/l	97
47) Bromodichloromethane	9.67	83	121054	19.901	ug/l	99
48) Methyl methacrylate	9.46	41	43700	18.873	ug/l	97
49) 1,4-Dioxane	9.47	88	10016	369.436	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	222847	88.512	ug/l	100
52) Toluene	10.41	92	223040	19.587	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	109168	18.841	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	131235	19.345	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	59072	18.760	ug/l	99
56) Ethyl methacrylate	10.67	69	68347	18.151	ug/l	97
57) 1,3-Dichloropropane	10.95	76	105231	19.485	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	112759	90.138	ug/l	99
59) 2-Hexanone	10.99	43	153763	88.541	ug/l	98
60) Dibromochloromethane	11.14	129	80207	19.058	ug/l	98
61) 1,2-Dibromoethane	11.25	107	57971	19.120	ug/l	98
64) Tetrachloroethene	10.88	164	85898	20.165	ug/l	97
65) Chlorobenzene	11.67	112	233274	19.490	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	88968	19.765	ug/l	99
67) Ethyl Benzene	11.75	91	420862	19.806	ug/l	97
68) m/p-Xylenes	11.86	106	320706	39.200	ug/l	98
69) o-Xylene	12.18	106	141592	19.500	ug/l	100
70) Styrene	12.20	104	255353	19.742	ug/l	99
71) Bromoform	12.37	173	47526	18.994	ug/l #	97
73) Isopropylbenzene	12.48	105	395397	20.456	ug/l	99
74) N-amyl acetate	12.30	43	82215	19.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	61344	18.882	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	42713m	18.196	ug/l	
77) Bromobenzene	12.77	156	97270	20.567	ug/l	97
78) n-propylbenzene	12.83	91	469691	20.433	ug/l	100
79) 2-Chlorotoluene	12.91	91	256468	20.338	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	326364	20.603	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	19752	17.967	ug/l	97
82) 4-Chlorotoluene	13.01	91	268855	20.103	ug/l	100
83) tert-Butylbenzene	13.23	119	272757	20.291	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	327271	20.395	ug/l	100
85) sec-Butylbenzene	13.41	105	386746	20.319	ug/l	100
86) p-Isopropyltoluene	13.53	119	363193	20.392	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	183521	20.224	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	185713	20.620	ug/l	99
89) n-Butylbenzene	13.86	91	333986	20.548	ug/l	100
90) Hexachloroethane	14.12	117	70355	20.484	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	153801	19.964	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10582	20.354	ug/l	91

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ClientSampleId :
VD0124SBS01

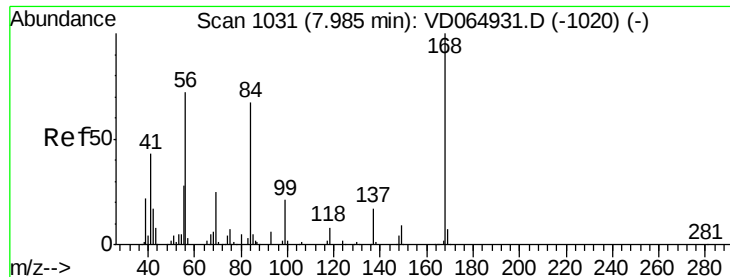
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110680	20.767	ug/l	98
94) Hexachlorobutadiene	15.28	225	66707	19.788	ug/l	99
95) Naphthalene	15.41	128	159080	18.495	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	90742	19.637	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion:168 Resp: 448767

Ion Ratio Lower Upper

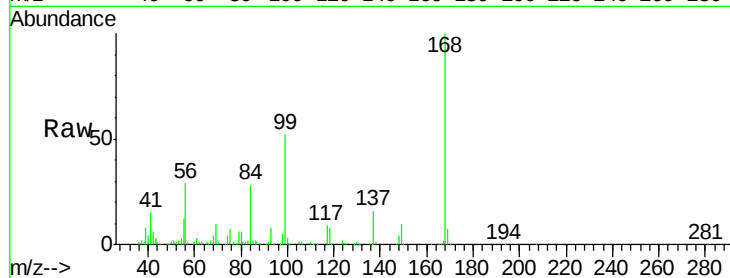
168 100

99 51.6 43.3 64.9

Manual Integrations
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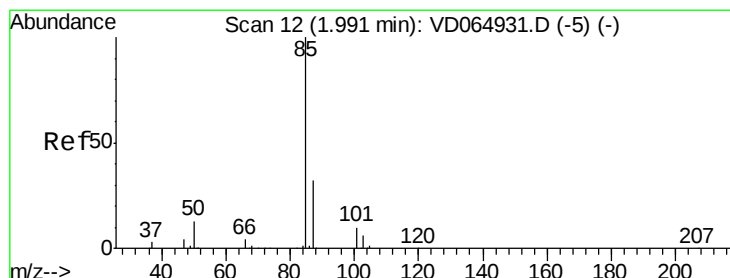
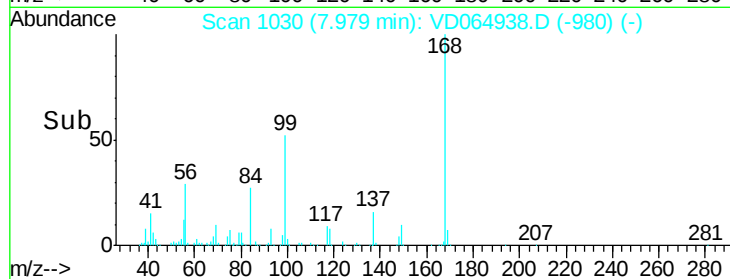
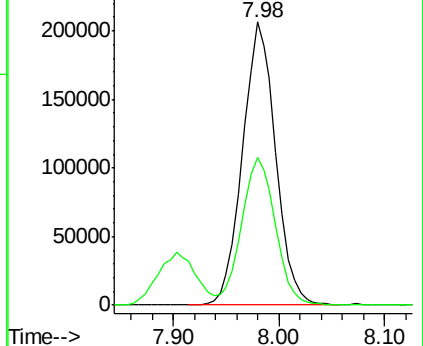
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.178 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064938.D

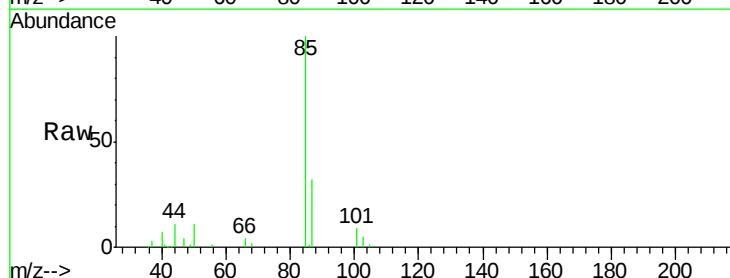
Acq: 24 Jan 2020 12:51

Tgt Ion: 85 Resp: 68217

Ion Ratio Lower Upper

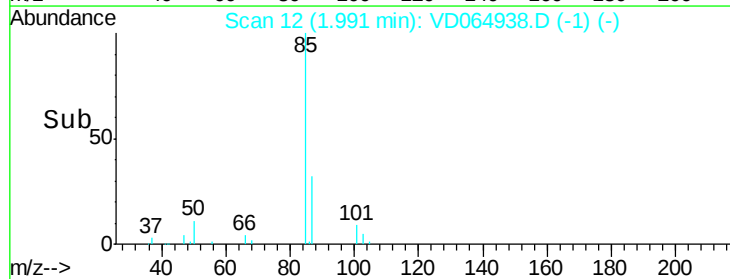
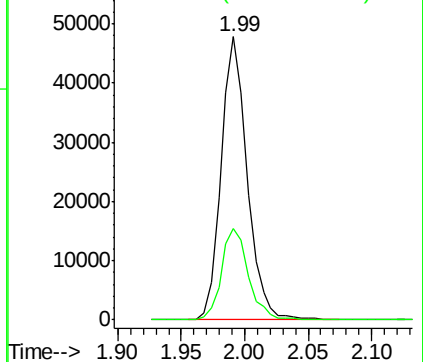
85 100

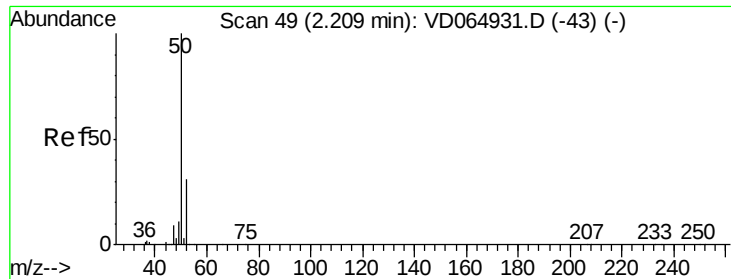
87 32.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.207 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion: 50 Resp: 105079

Ion Ratio Lower Upper

50 100

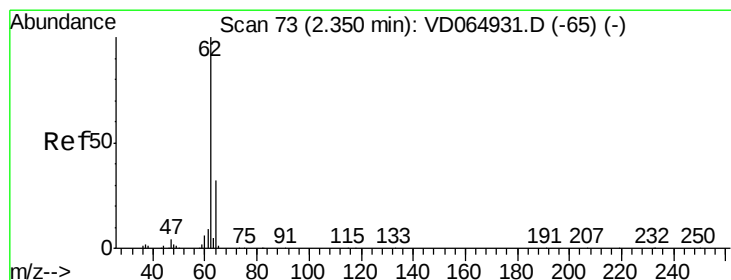
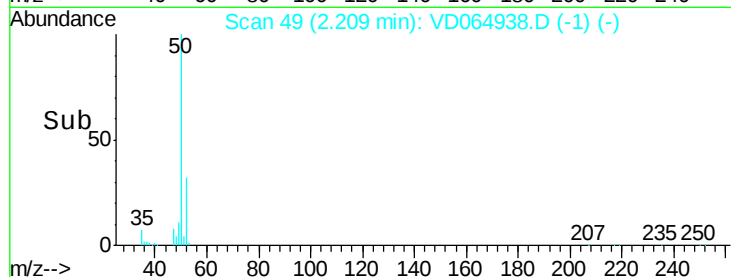
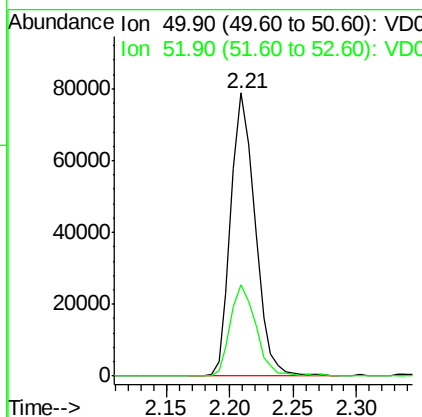
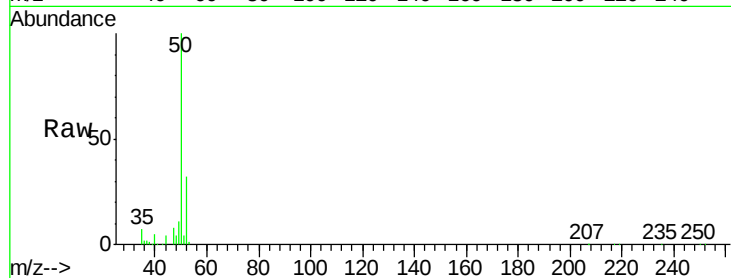
52 32.3 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.622 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064938.D

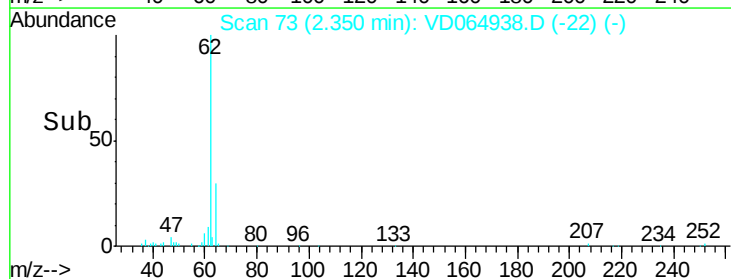
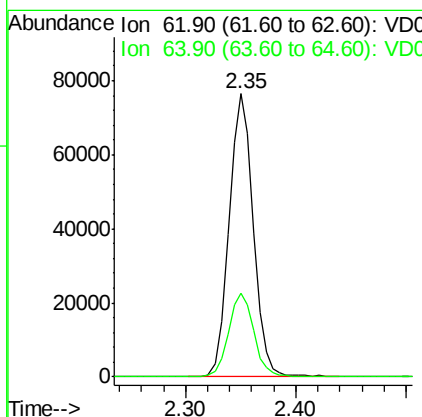
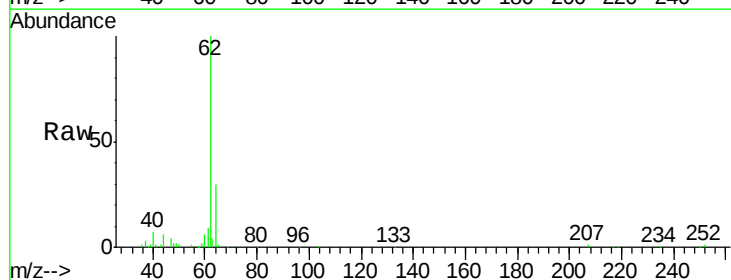
Acq: 24 Jan 2020 12:51

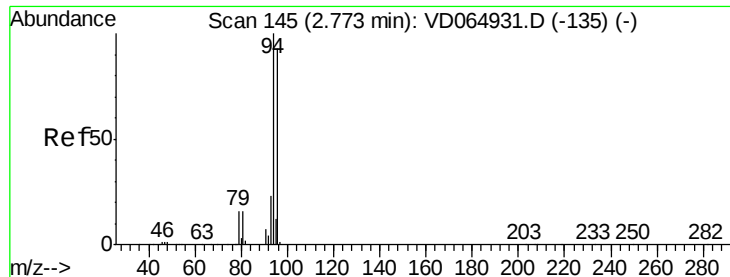
Tgt Ion: 62 Resp: 117359

Ion Ratio Lower Upper

62 100

64 29.7 25.6 38.4





#5

Bromomethane

Concen: 19.931 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion: 94 Resp: 76301

Ion Ratio Lower Upper

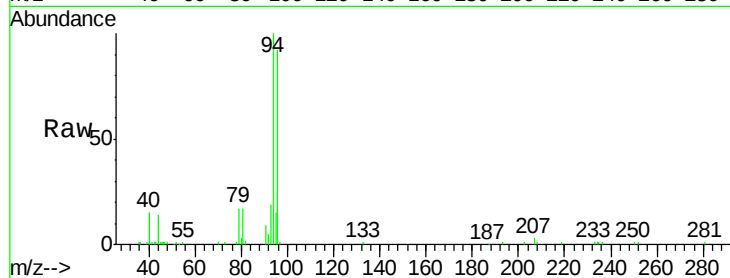
94 100

96 90.1 74.6 111.8

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

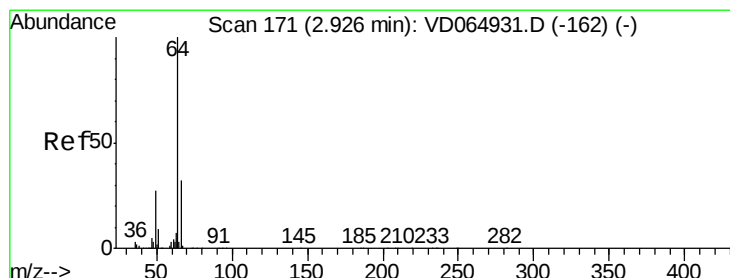
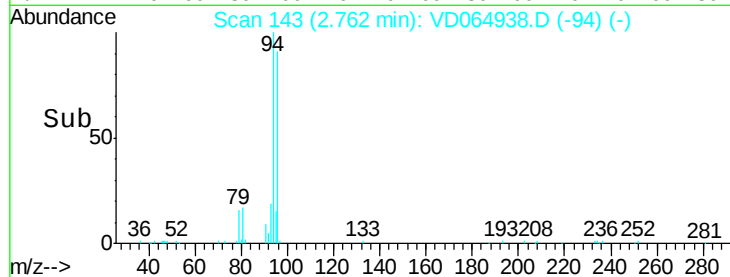
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 20.148 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064938.D

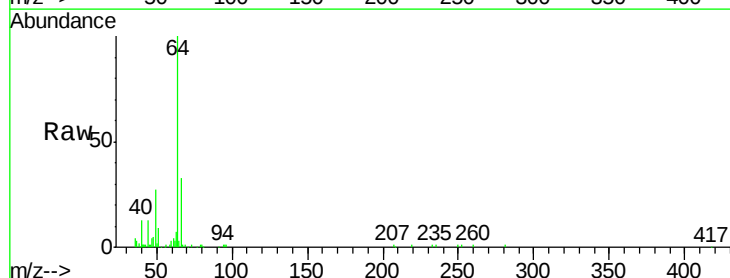
Acq: 24 Jan 2020 12:51

Tgt Ion: 64 Resp: 75594

Ion Ratio Lower Upper

64 100

66 33.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

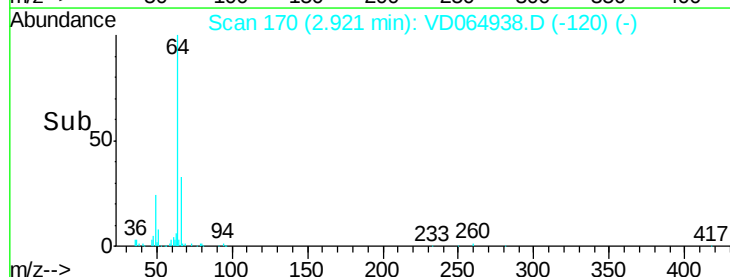
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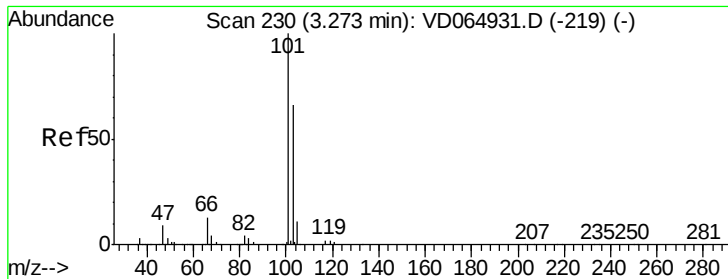
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10000

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Time-->





#7

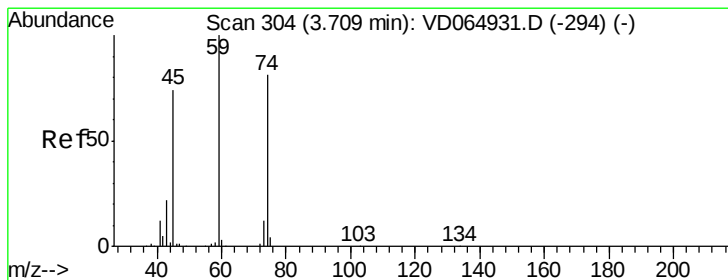
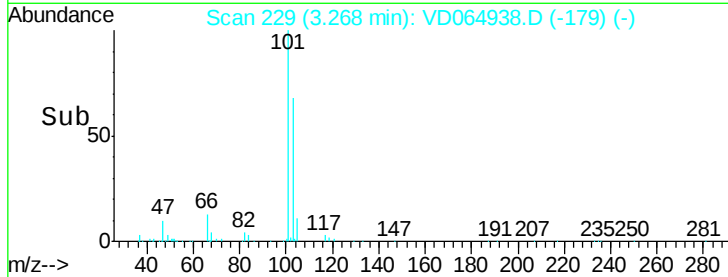
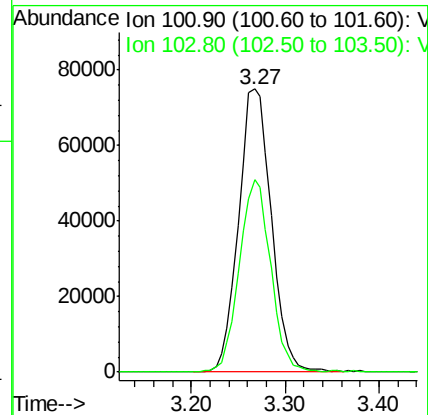
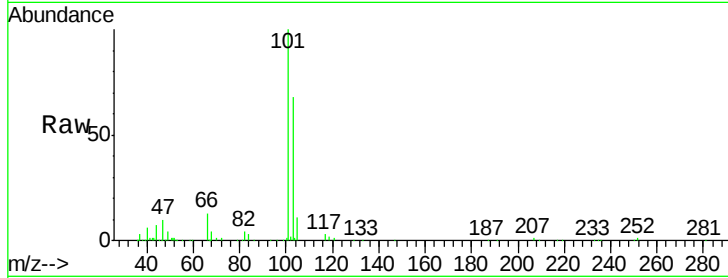
Trichlorofluoromethane
Concen: 20.649 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	52.5	78.7

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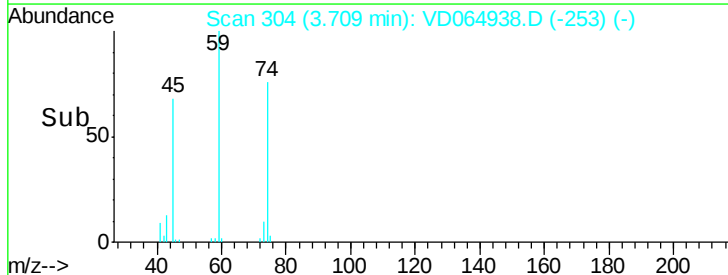
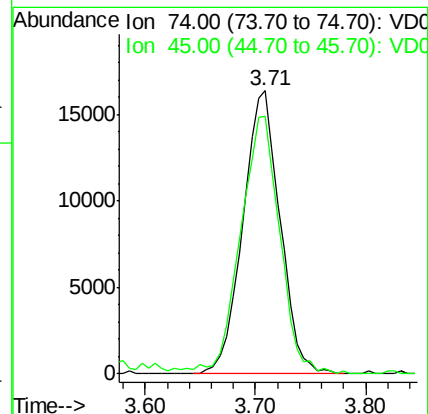
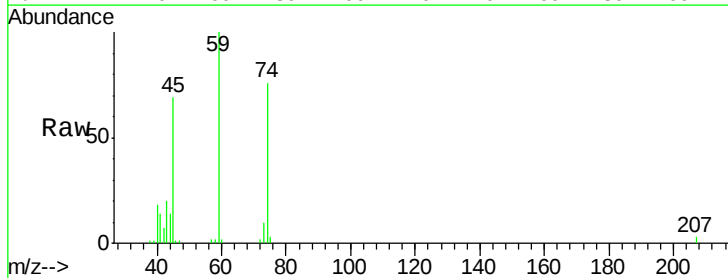
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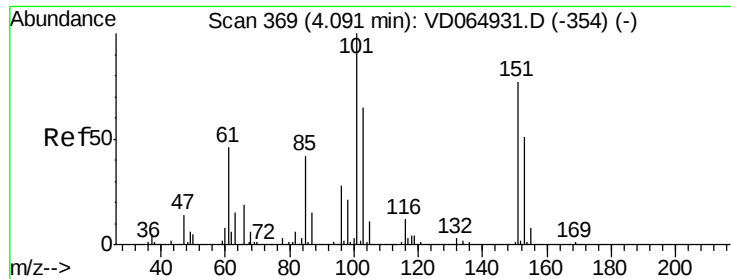


#8

Diethyl Ether
Concen: 19.567 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.389 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

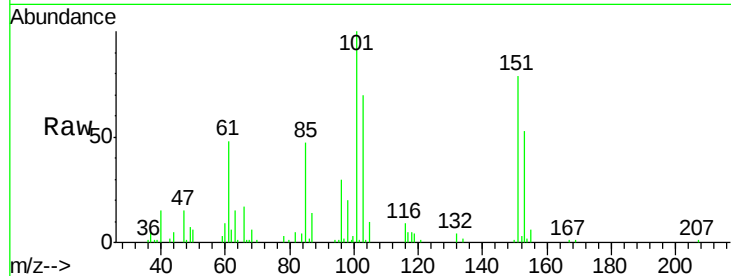
ClientSampleId :

VD0124SBS01

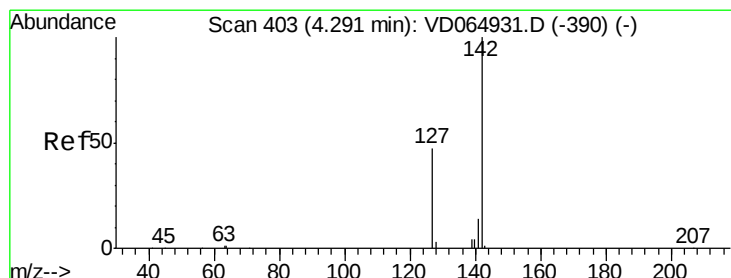
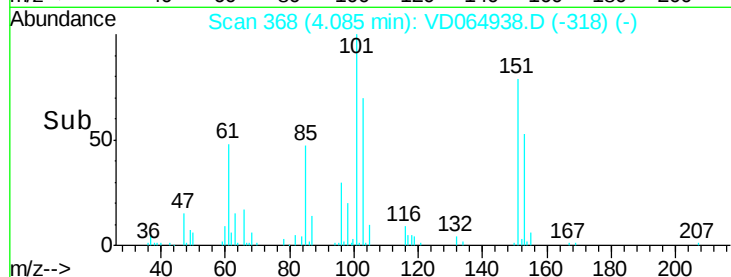
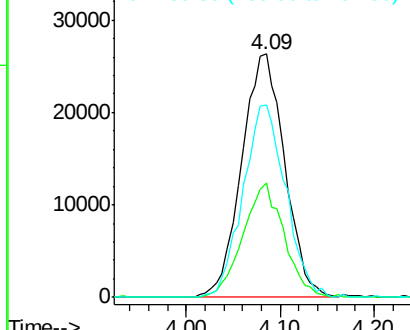
Tot Ion:	101	Resp:	83371
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.0	52.4
151	78.7	64.6	96.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.151 ug/l

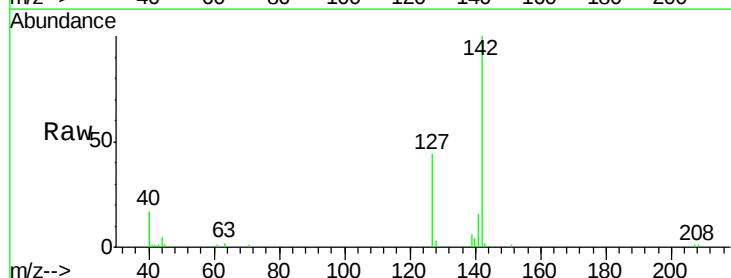
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

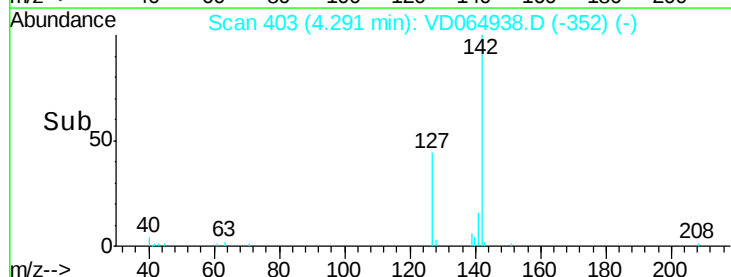
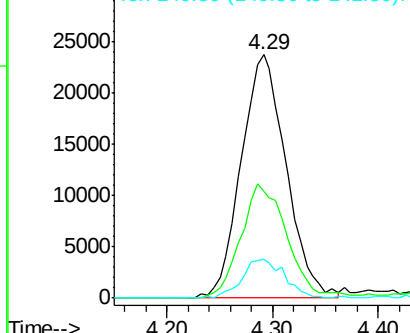
Lab File: VD064938.D

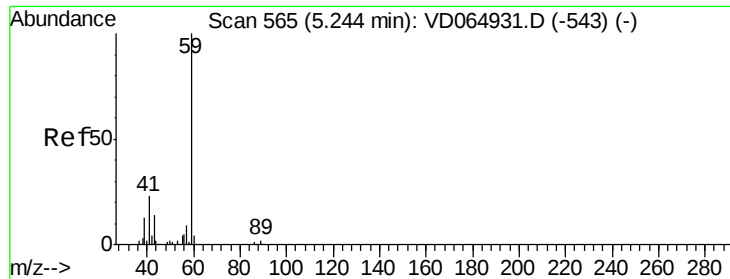
Acq: 24 Jan 2020 12:51

Tgt Ion:	142	Resp:	70105
Ion Ratio	Lower	Upper	
142	100		
127	48.0	36.2	54.2
141	15.1	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





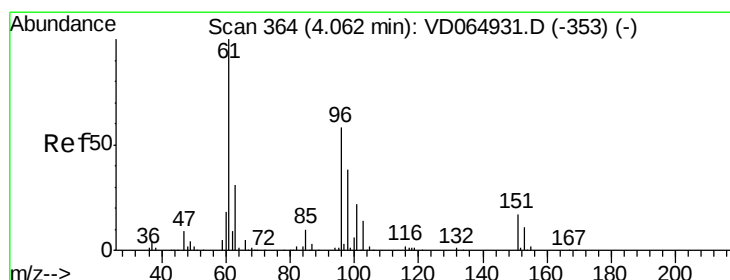
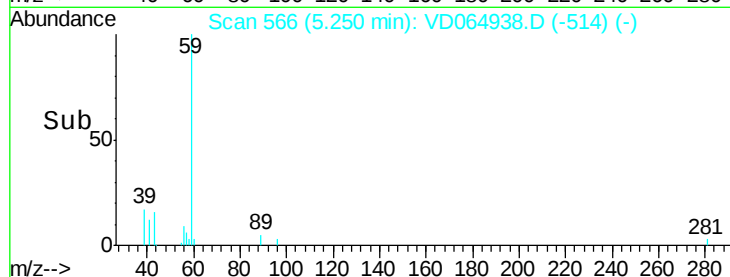
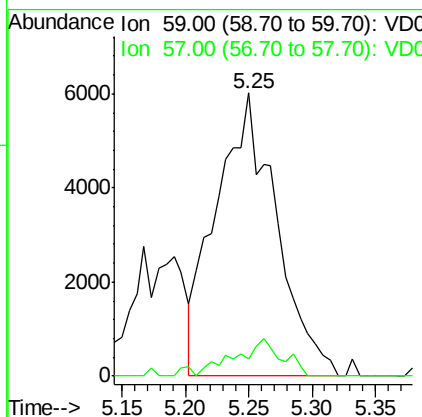
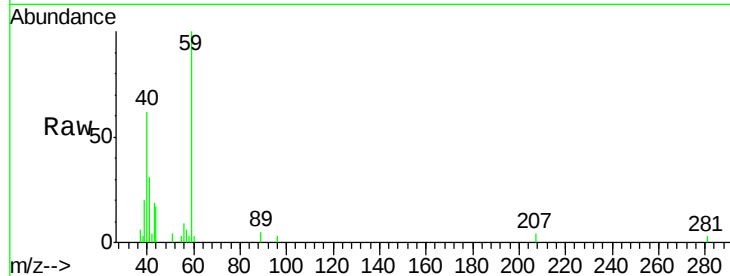
#11
Tert butyl alcohol
Concen: 83.404 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion: 59 Resp: 19840
Ion Ratio Lower Upper
59 100
57 10.3 7.7 11.5

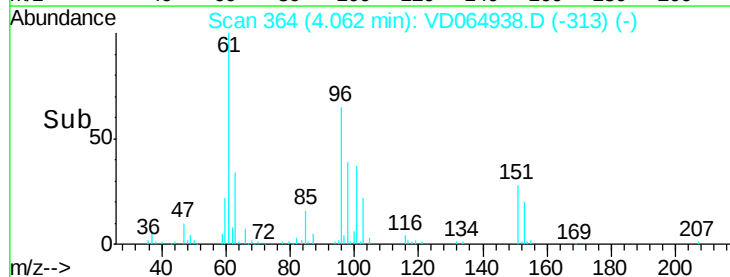
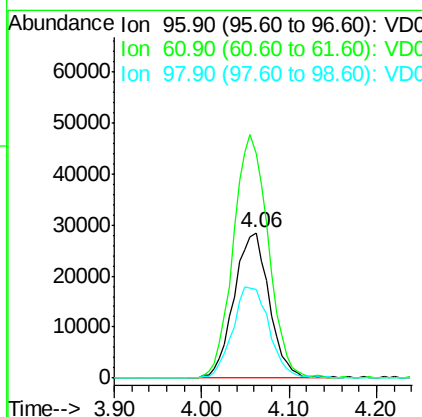
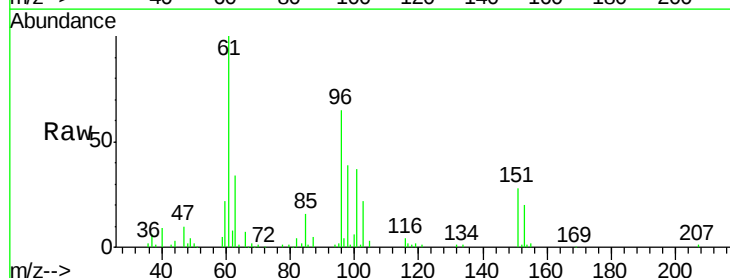
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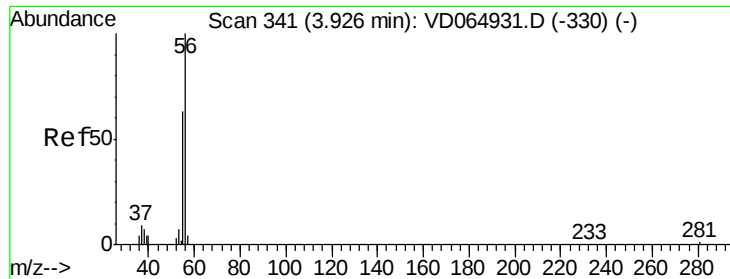
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#12
1,1-Dichloroethene
Concen: 19.893 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 96 Resp: 77709
Ion Ratio Lower Upper
96 100
61 154.9 137.0 205.4
98 61.1 52.1 78.1





#13

Acrolein

Concen: 86.930 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion: 56 Resp: 25923

Ion Ratio Lower Upper

56 100

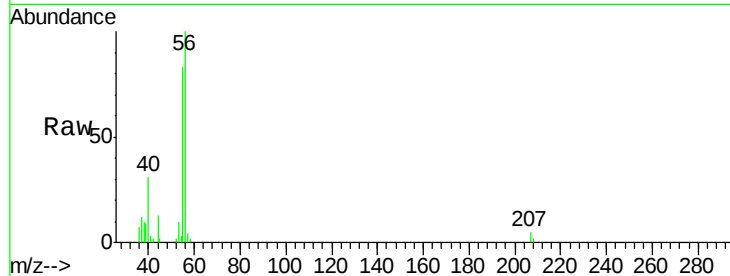
55 77.8 59.7 89.5

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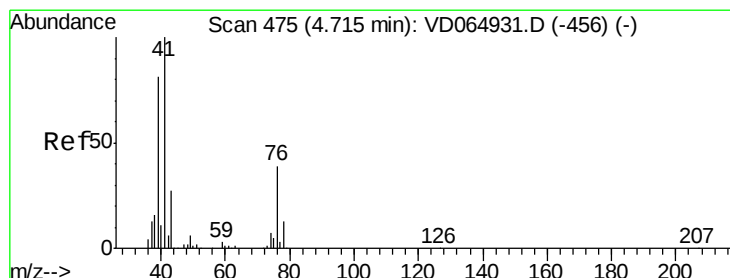
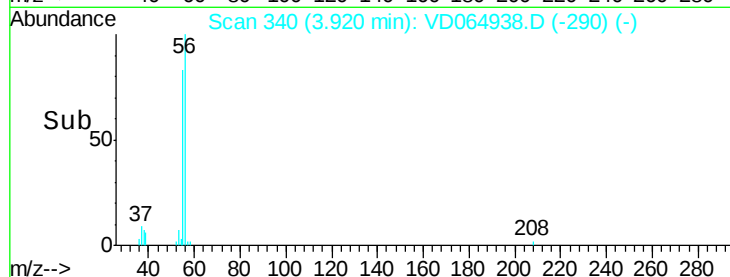
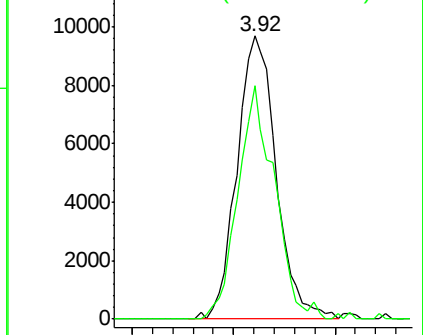
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.725 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

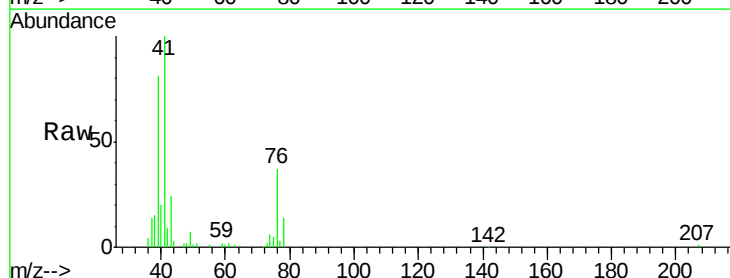
Tgt Ion: 41 Resp: 122897

Ion Ratio Lower Upper

41 100

39 78.4 62.0 93.0

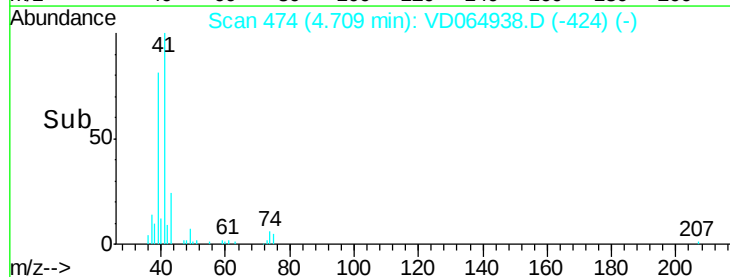
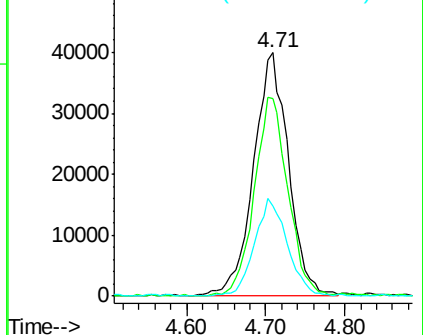
76 37.5 29.3 43.9

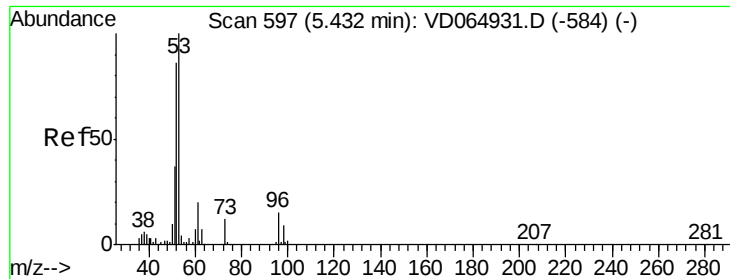


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 95.075 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

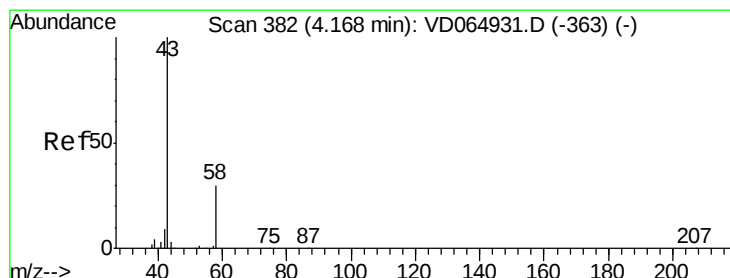
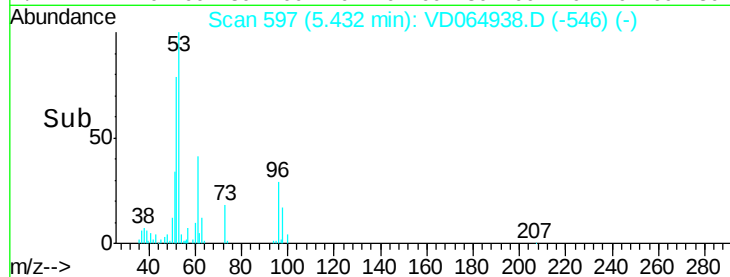
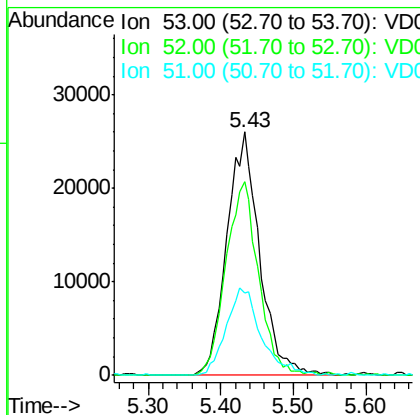
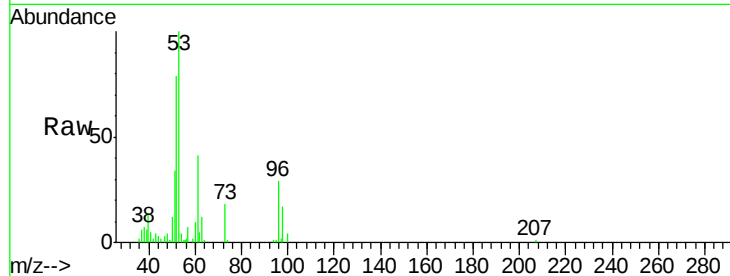
ClientSampleId :

VD0124SBS01

Tot Ion:	53	Resp:	81690
Ion	Ratio	Lower	Upper
53	100		
52	79.1	66.7	100.1
51	38.3	31.1	46.7

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#16

Acetone

Concen: 77.972 ug/l

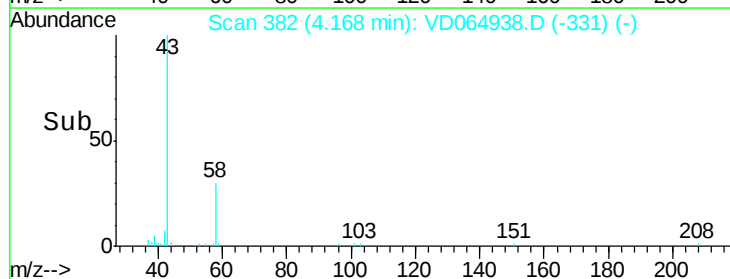
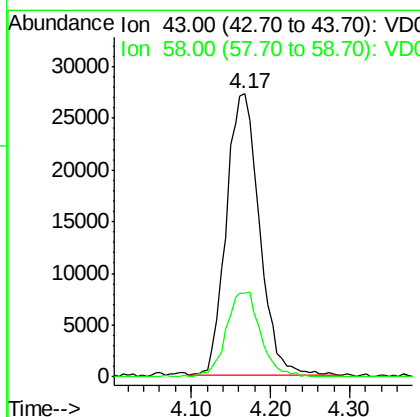
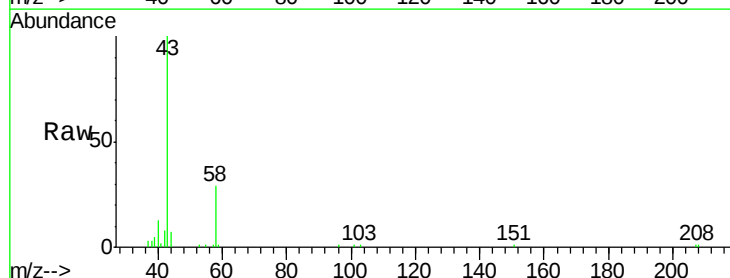
RT: 4.17 min Scan# 382

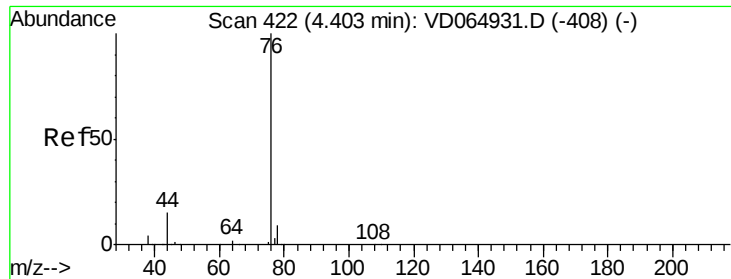
Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Tgt Ion:	43	Resp:	78414
Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.8	35.8





#17

Carbon Disulfide

Concen: 20.085 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion: 76 Resp: 258218

Ion Ratio Lower Upper

76 100

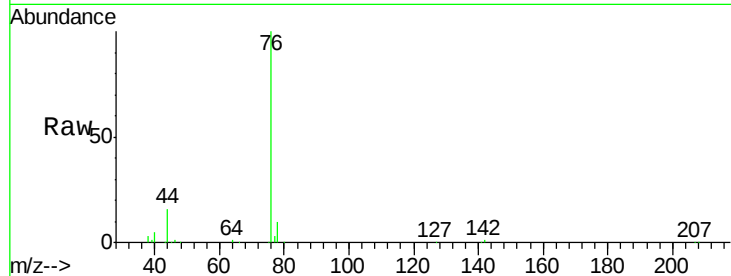
78 10.0 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

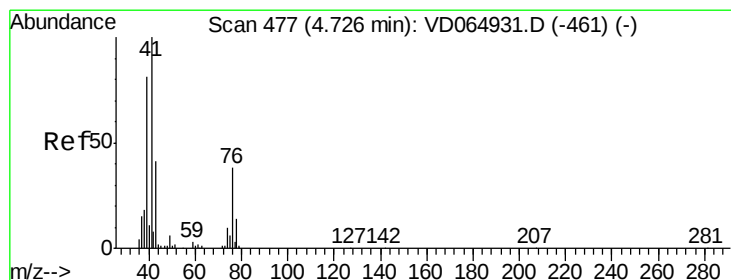
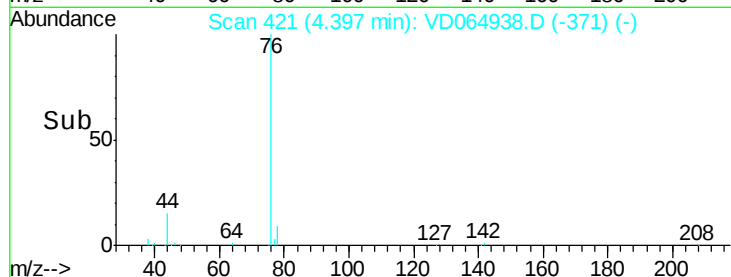
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.224 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064938.D

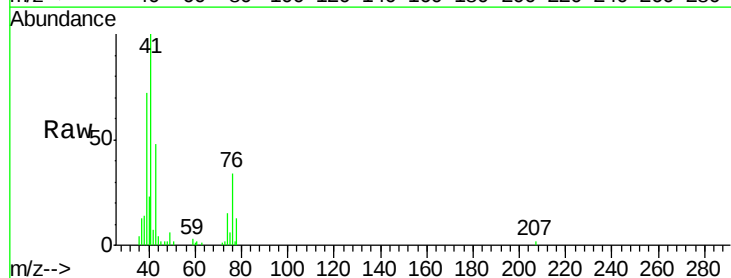
Acq: 24 Jan 2020 12:51

Tgt Ion: 43 Resp: 38757

Ion Ratio Lower Upper

43 100

74 24.3 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

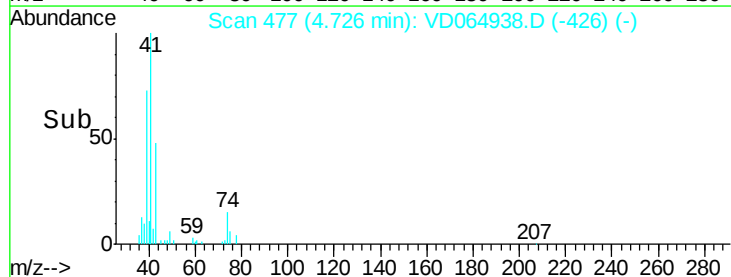
4.73

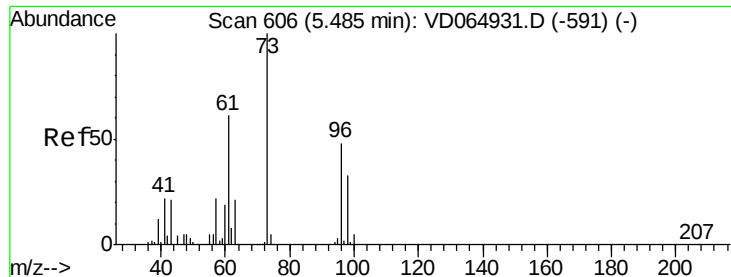
10000

5000

0

Time-->





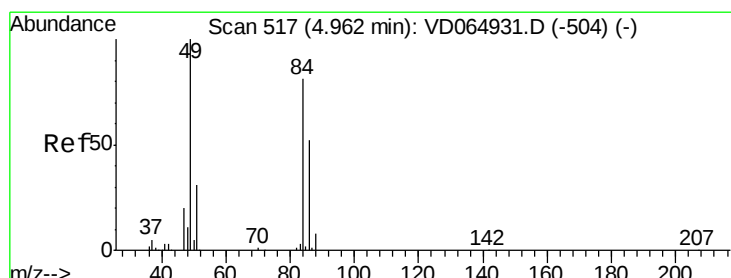
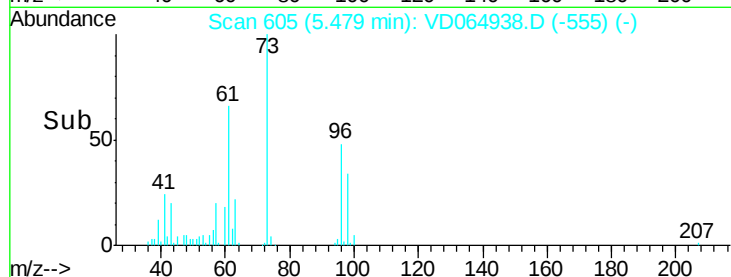
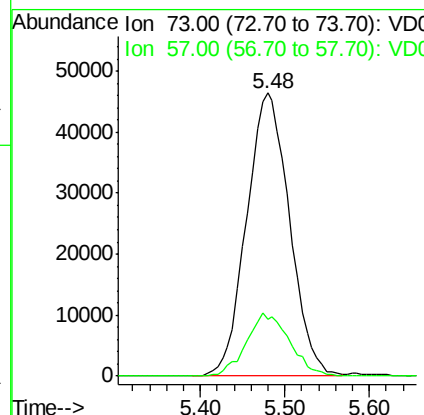
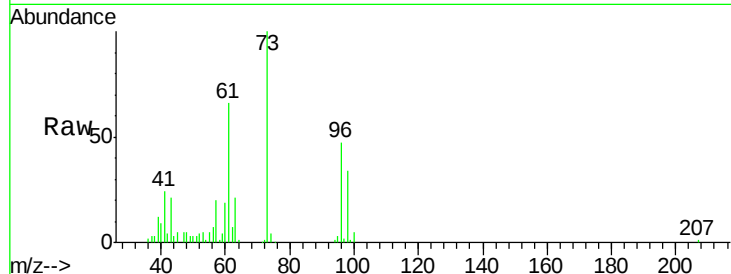
#19
Methyl tert-butyl Ether
Concen: 18.766 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleID :
VD0124SBS01

Tot Ion: 73 Resp: 163796
Ion Ratio Lower Upper
73 100
57 19.9 17.9 26.9

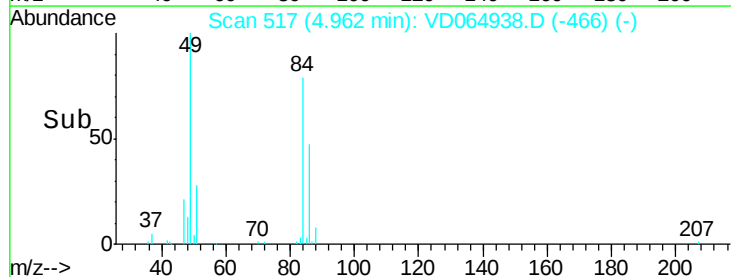
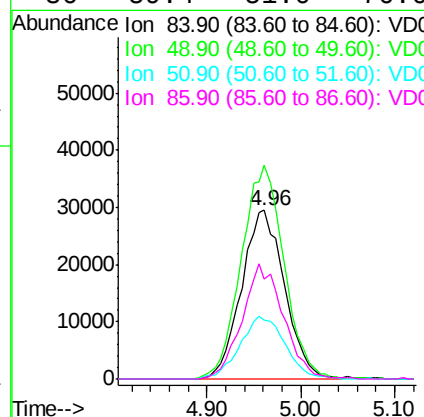
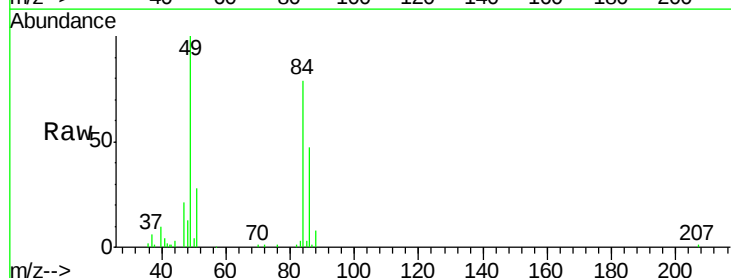
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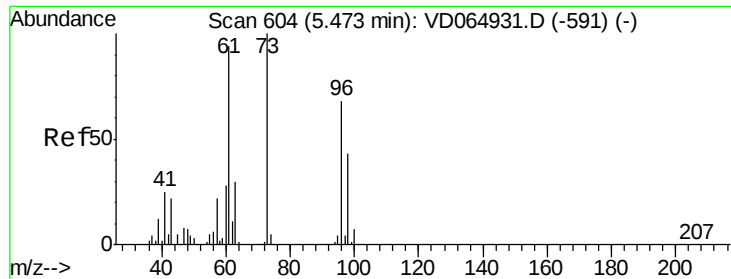
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#20
Methylene Chloride
Concen: 18.274 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 84 Resp: 93490
Ion Ratio Lower Upper
84 100
49 126.7 98.4 147.6
51 35.1 30.8 46.2
86 59.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.957 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

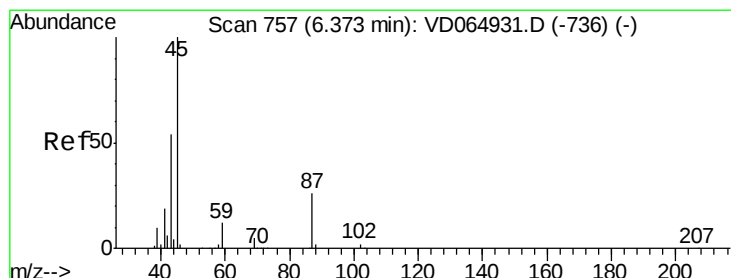
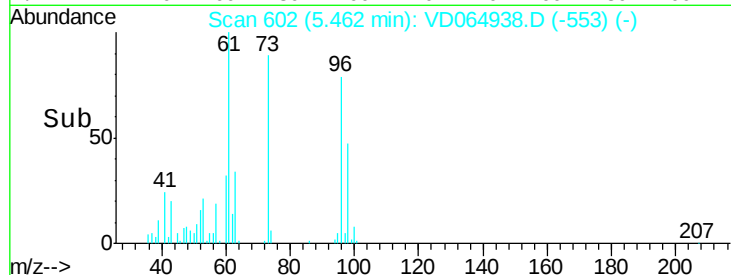
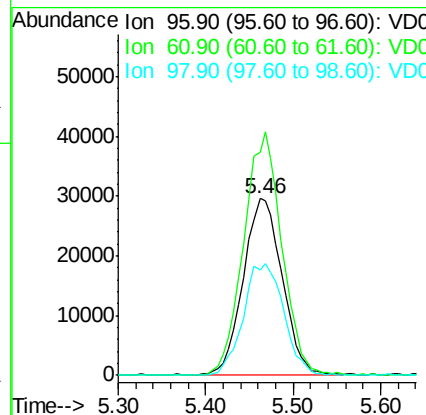
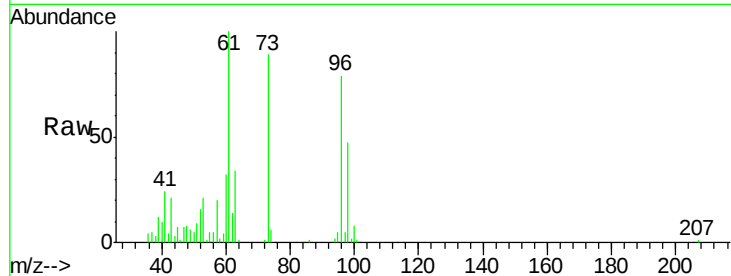
ClientSampleId :

VD0124SBS01

Tot Ion:	96	Resp:	89820
Ion	Ratio	Lower	Upper
96	100		
61	126.6	110.4	165.6
98	59.9	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.007 ug/l

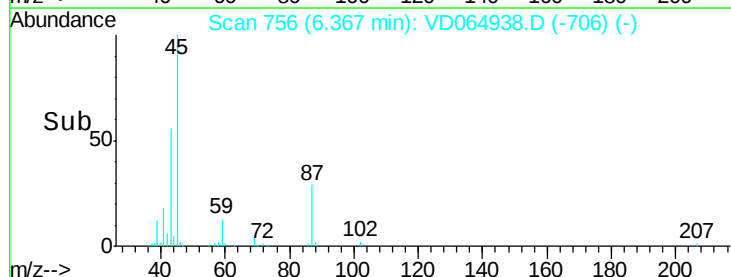
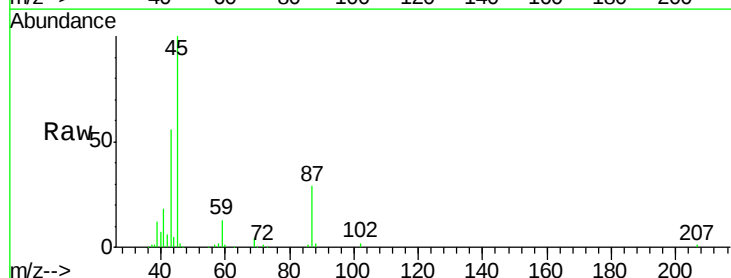
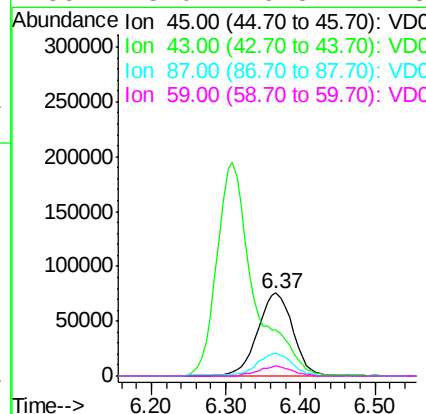
RT: 6.37 min Scan# 756

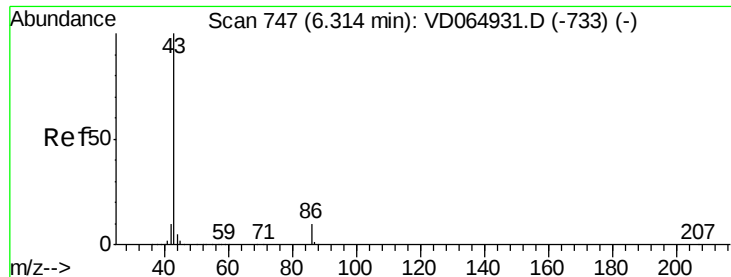
Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Tgt Ion:	45	Resp:	248422
Ion	Ratio	Lower	Upper
45	100		
43	54.8	43.1	64.7
87	28.3	21.4	32.2
59	13.0	9.5	14.3





#23

Vinyl Acetate

Concen: 91.982 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion: 43 Resp: 668691

Ion Ratio Lower Upper

43 100

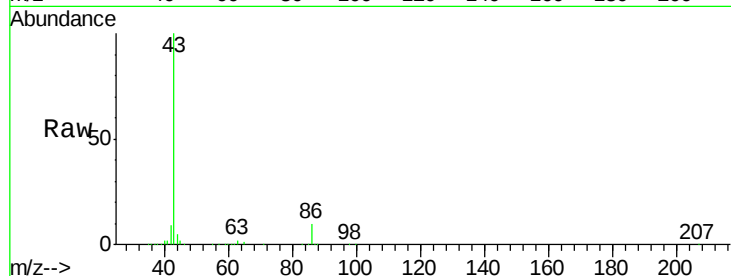
86 10.5 8.3 12.5

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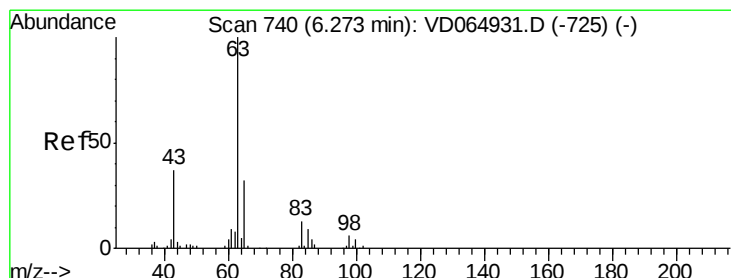
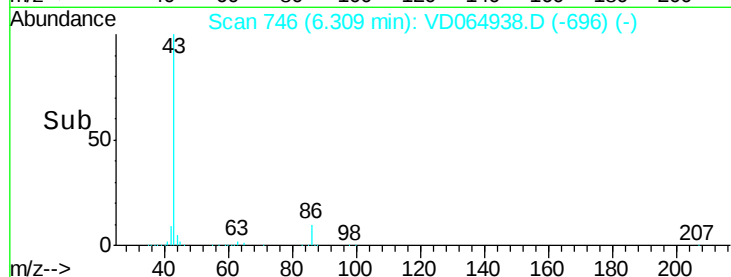
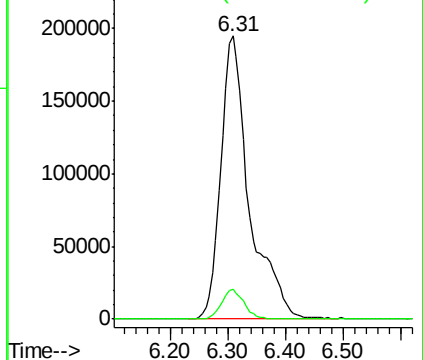
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.955 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

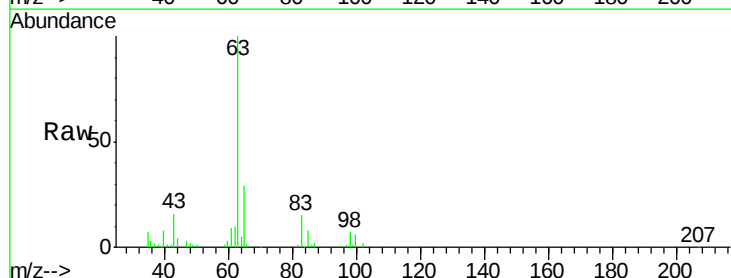
Tgt Ion: 63 Resp: 152125

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.3

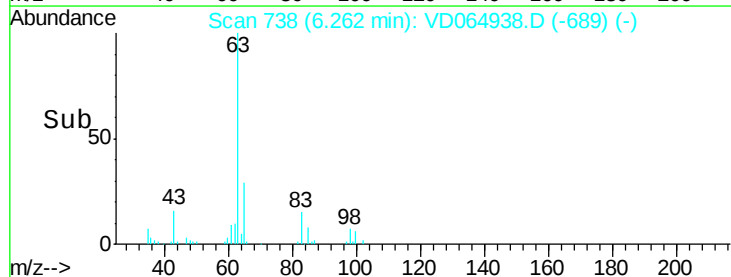
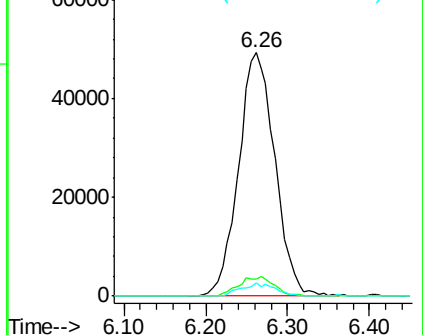
100 5.6 2.3 6.8

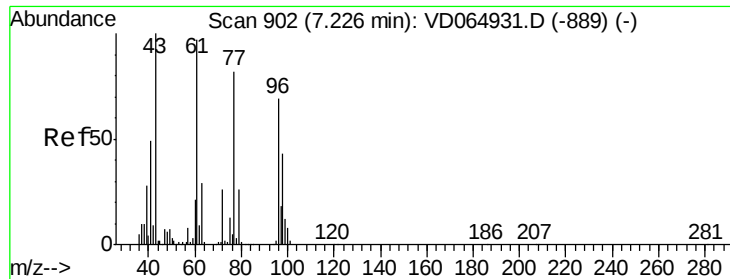


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 87.436 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion: 43 Resp: 101685

Ion Ratio Lower Upper

43 100

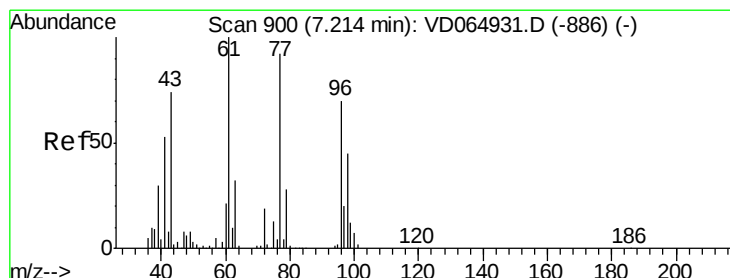
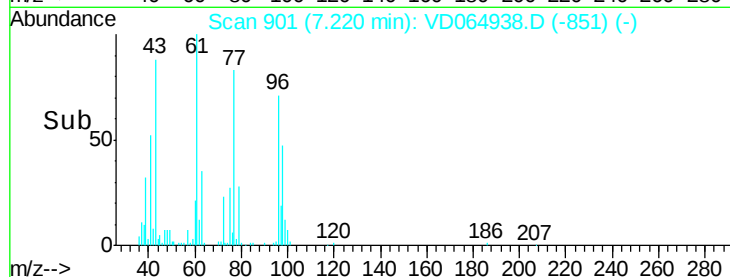
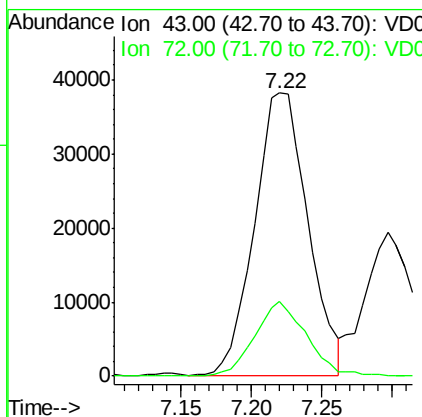
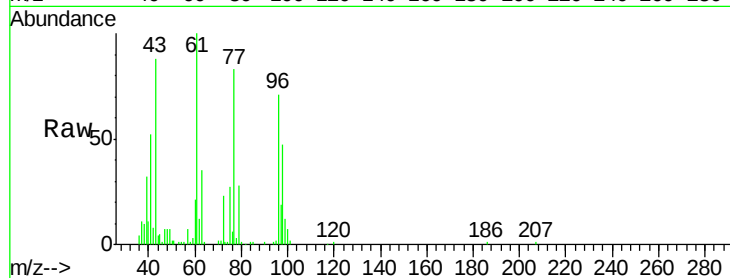
72 26.5 20.6 31.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.459 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064938.D

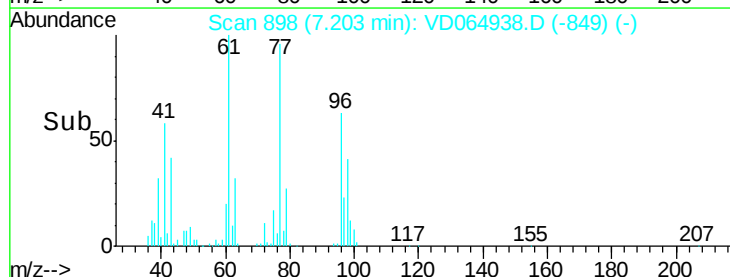
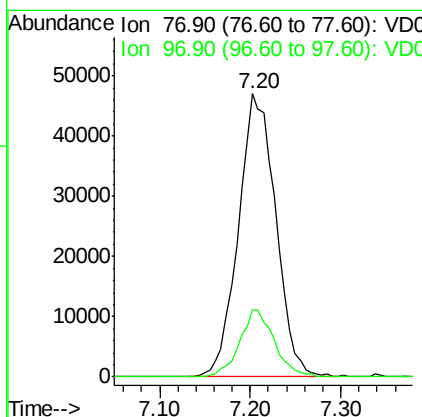
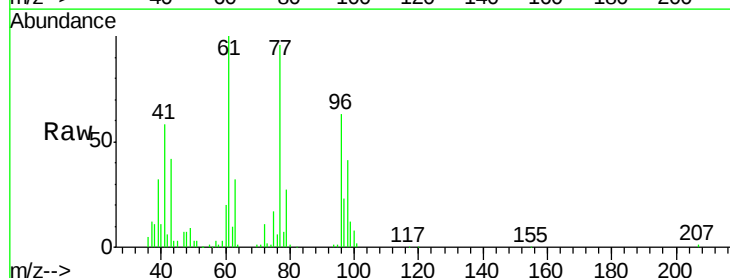
Acq: 24 Jan 2020 12:51

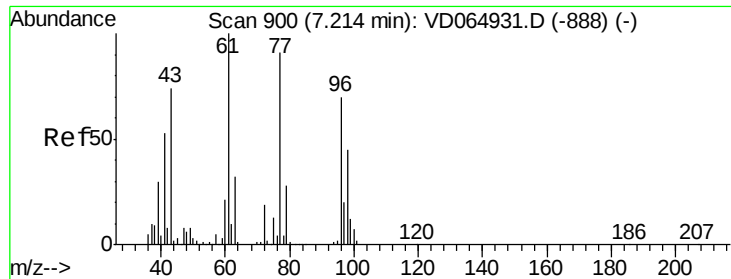
Tgt Ion: 77 Resp: 134562

Ion Ratio Lower Upper

77 100

97 22.0 11.4 34.2





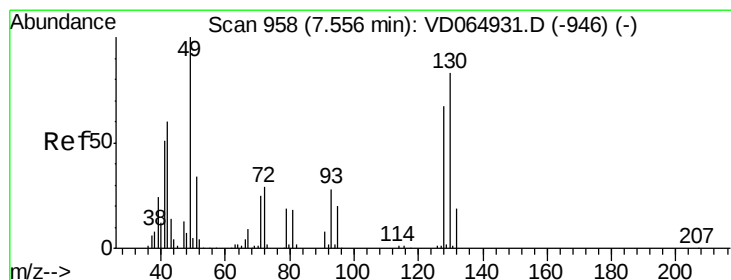
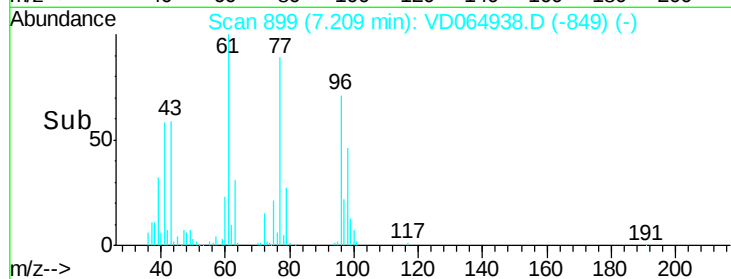
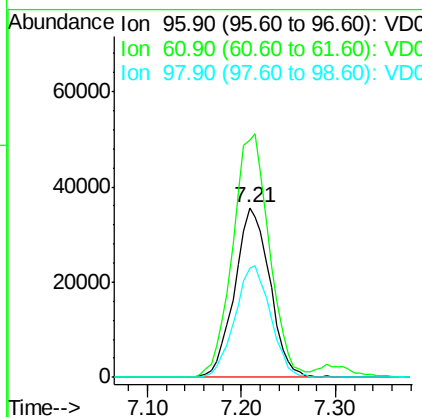
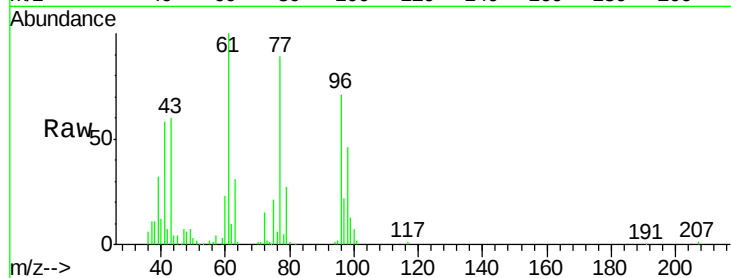
#27
 cis-1,2-Dichloroethene
 Concen: 19.243 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0124SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	292.8
98	66.7	0.0	130.0

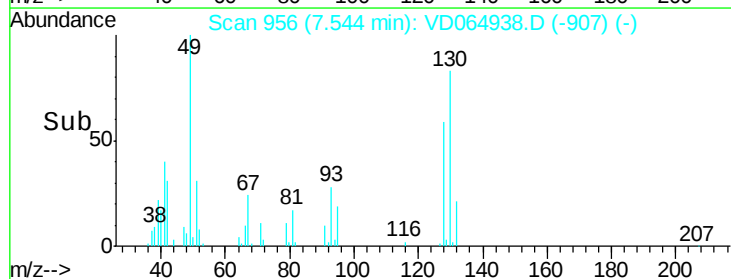
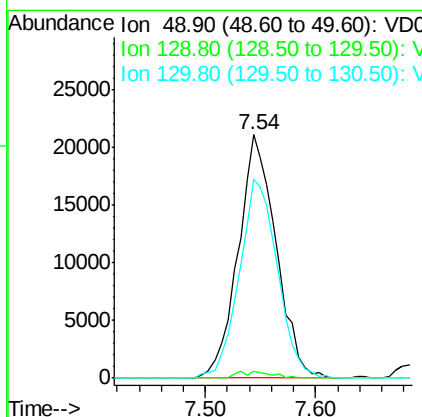
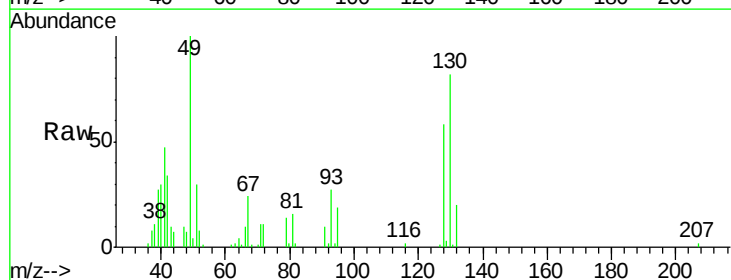
Manual Integrations
 APPROVED

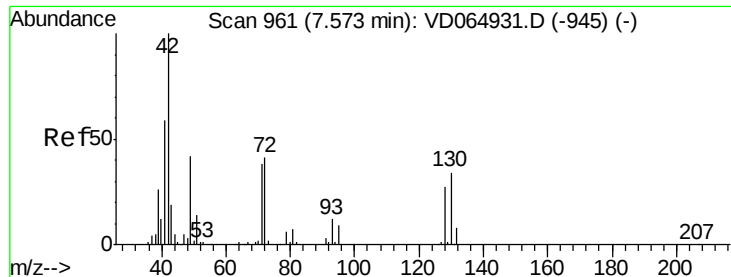
MMDadoda
 1/27/2020 12:03:07 PM



#28
 Bromochloromethane
 Concen: 16.610 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.4
130	82.5	63.8	95.8





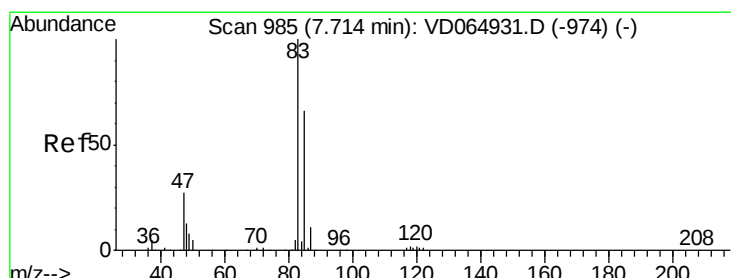
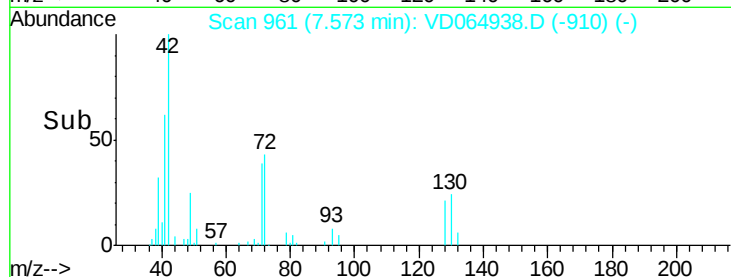
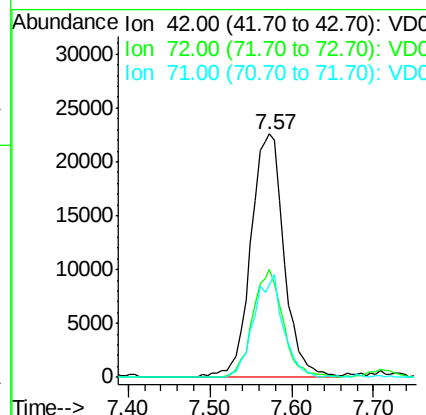
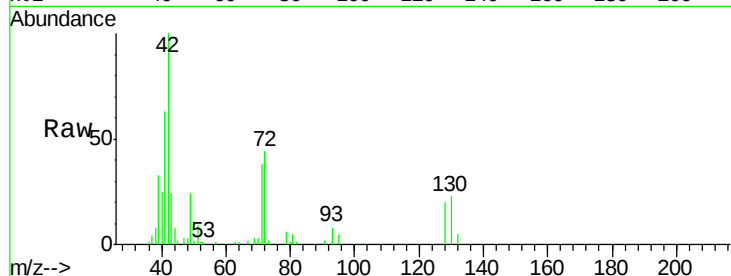
#29
Tetrahydrofuran
Concen: 88.558 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	34.0	51.0
71	37.2	31.5	47.3

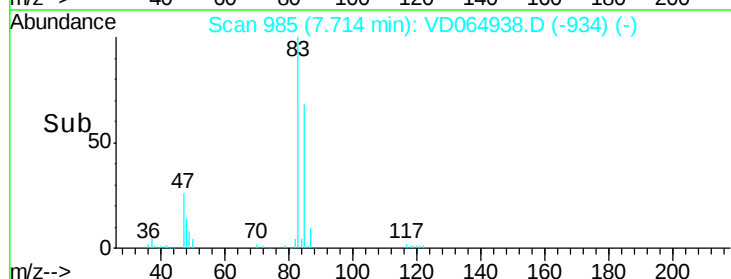
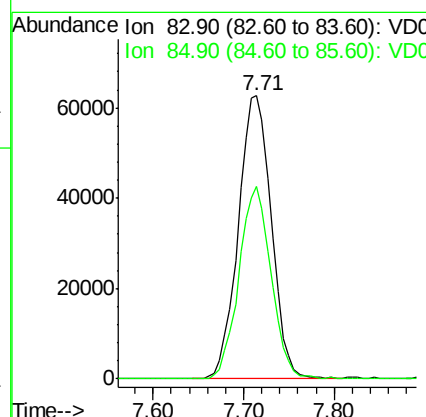
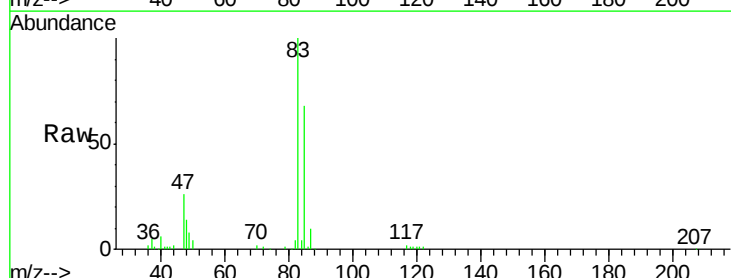
Manual Integrations
APPROVED

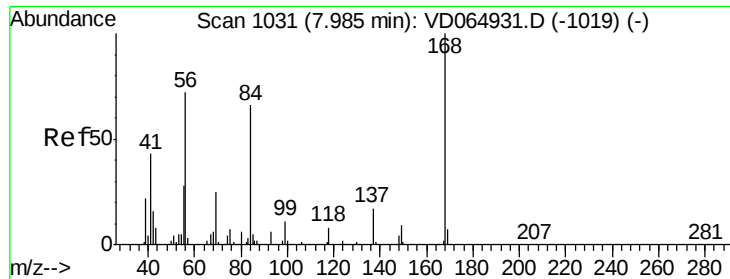
MMDadoda
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#30
Chloroform
Concen: 20.178 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	52.4	78.6





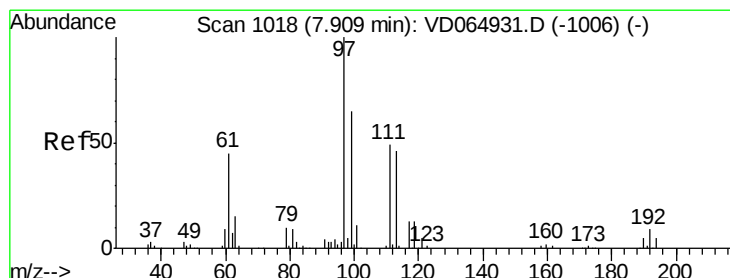
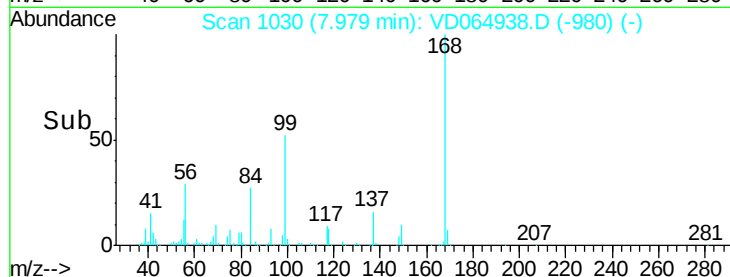
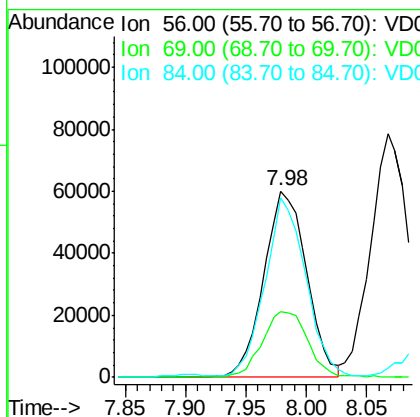
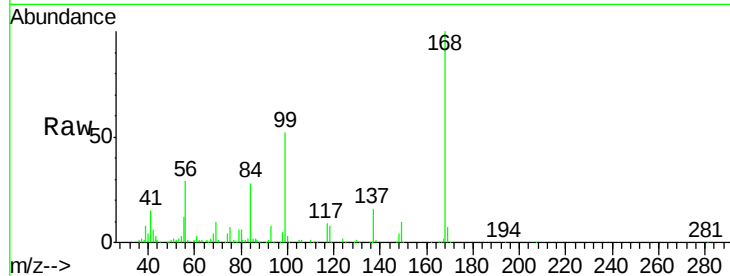
#31
Cyclohexane
Concen: 19.703 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.0	27.9	41.9	
84	94.2	72.8	109.2	

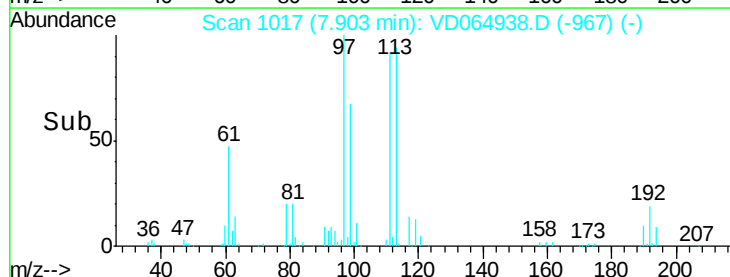
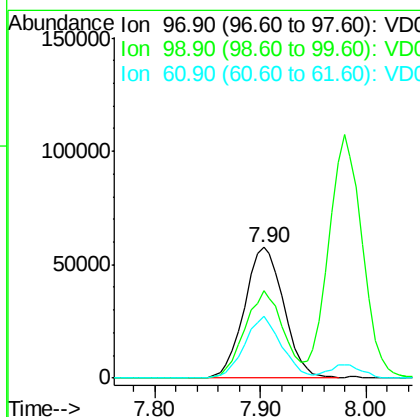
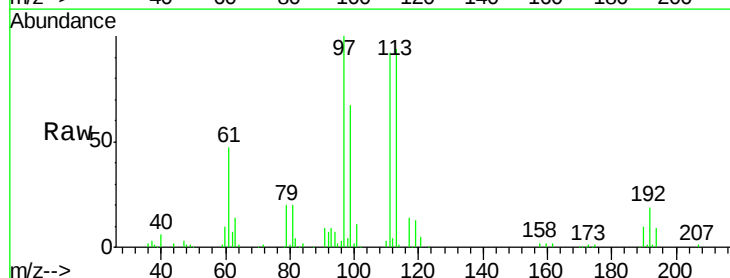
Manual Integrations
APPROVED

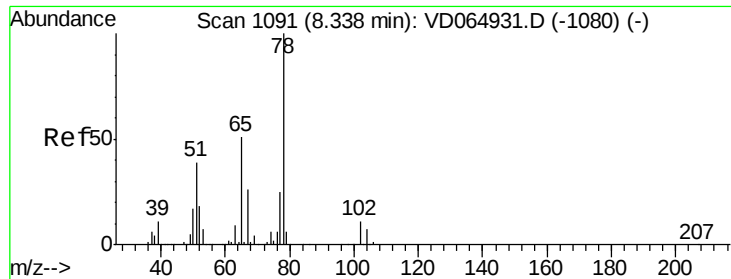
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#32
1,1,1-Trichloroethane
Concen: 20.396 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.4	50.6	76.0	
61	44.2	35.7	53.5	





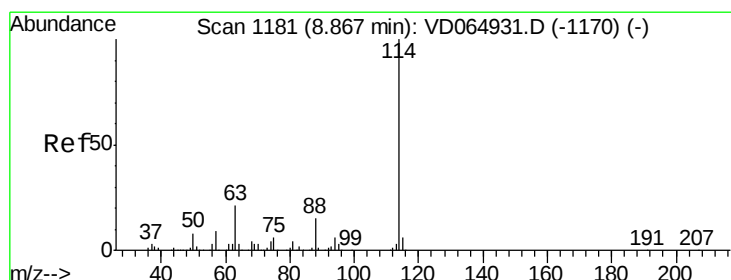
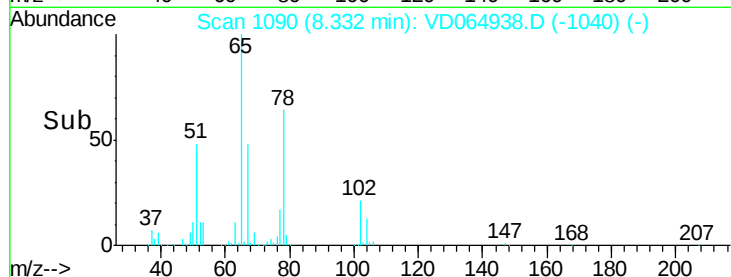
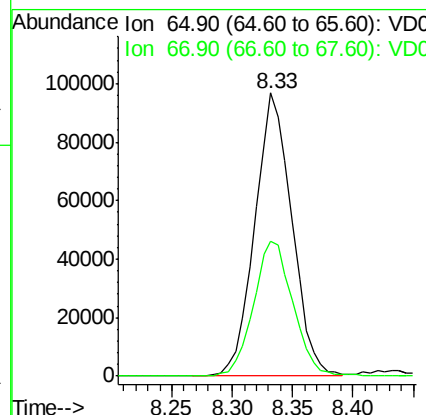
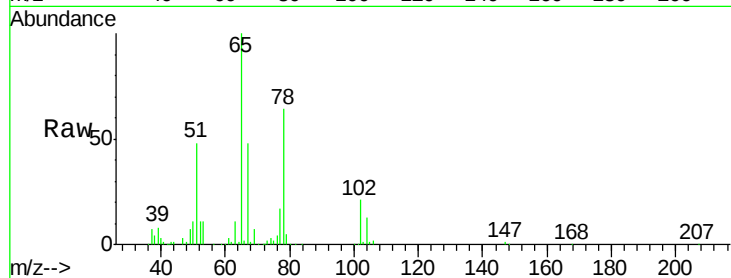
#33
 1,2-Dichloroethane-d4
 Concen: 48.032 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0124SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206759		
67	50.8	0.0	103.6	

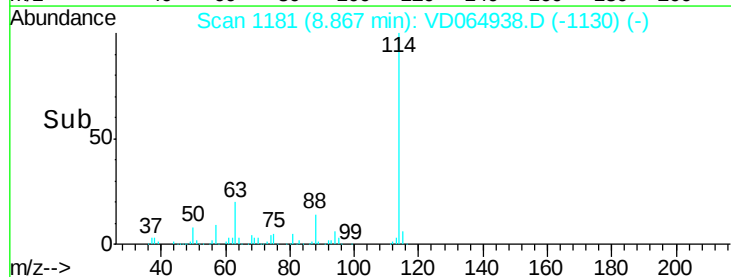
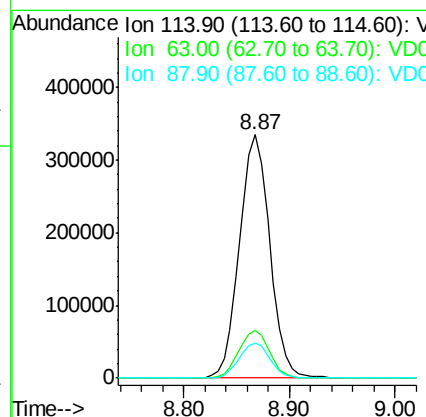
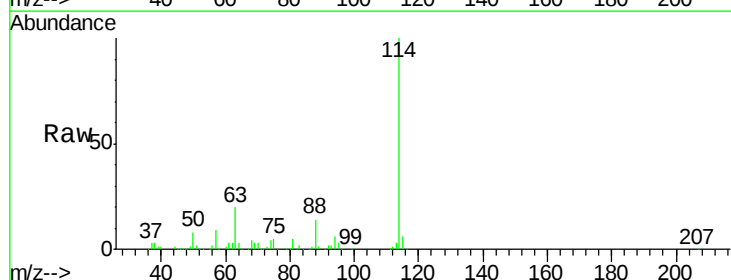
Manual Integrations
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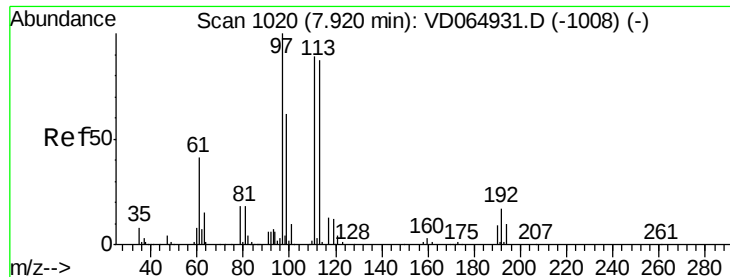
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	665052		
63	19.7	0.0	42.0	
88	14.4	0.0	29.4	





#35

Dibromofluoromethane

Concen: 48.695 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

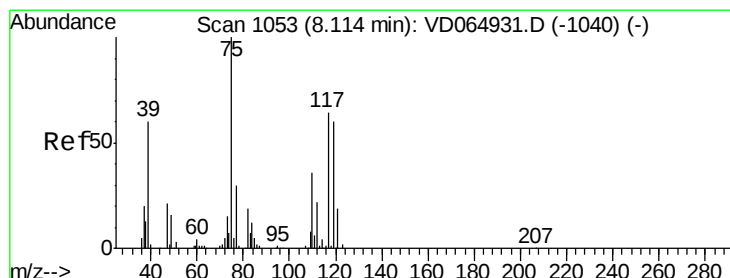
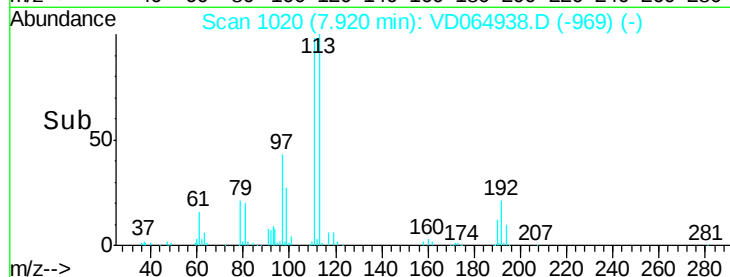
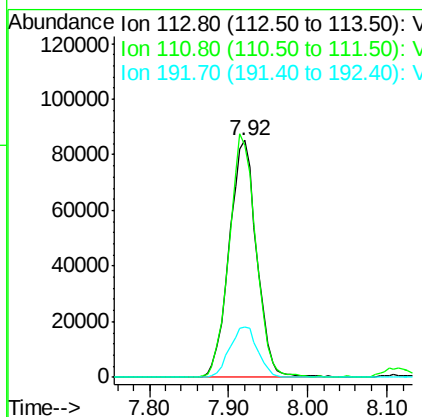
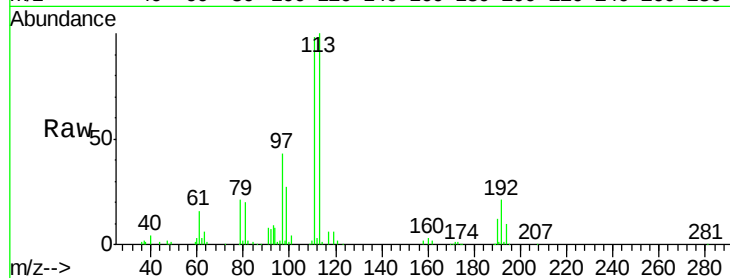
ClientSampleId :

VD0124SBS01

Tot Ion:	113	Resp:	203508
Ion Ratio	Lower	Upper	
113	100		
111	100.9	82.4	123.6
192	21.7	16.9	25.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.891 ug/l

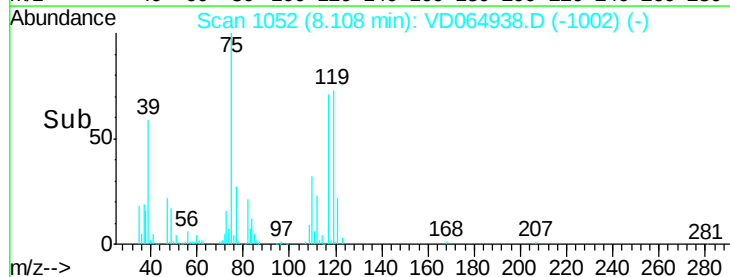
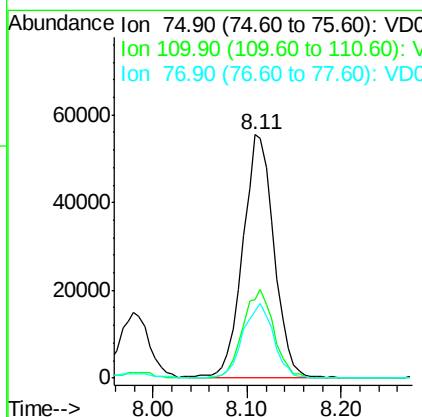
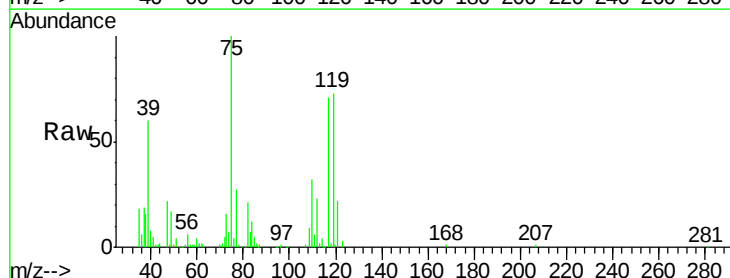
RT: 8.11 min Scan# 1052

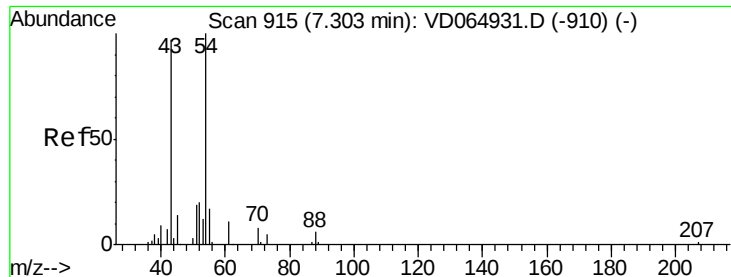
Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Tgt Ion:	75	Resp:	127559
Ion Ratio	Lower	Upper	
75	100		
110	36.0	17.3	52.0
77	30.1	24.7	37.1





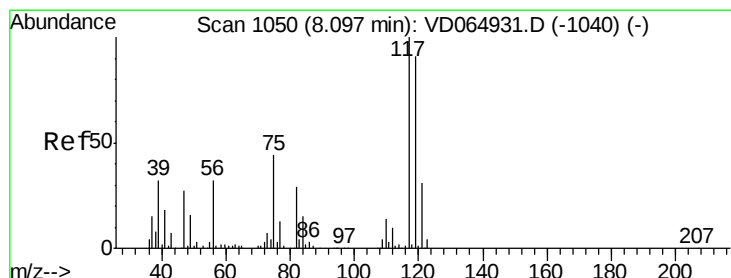
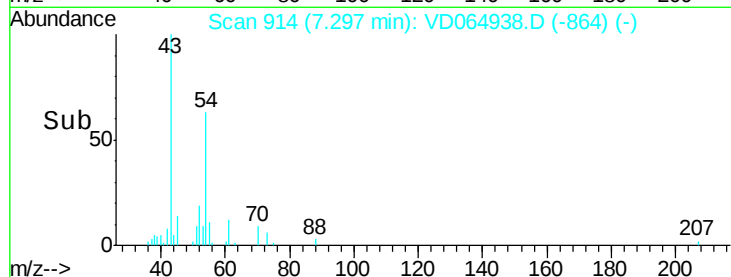
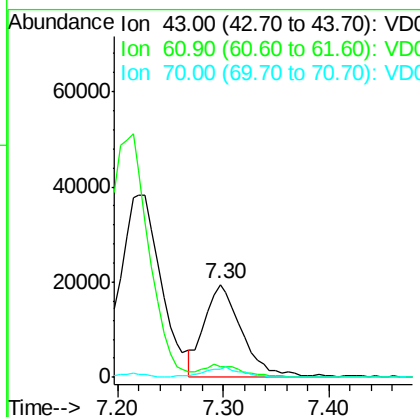
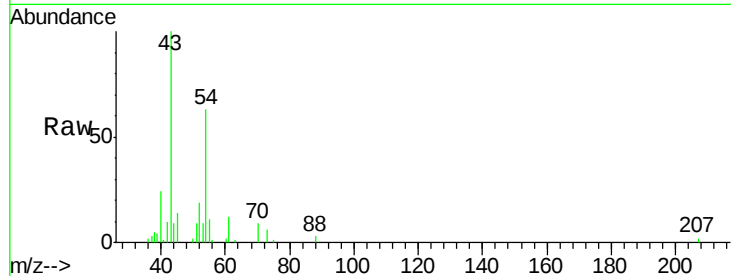
#37
Ethyl Acetate
Concen: 17.892 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	11.0	7.5	11.3

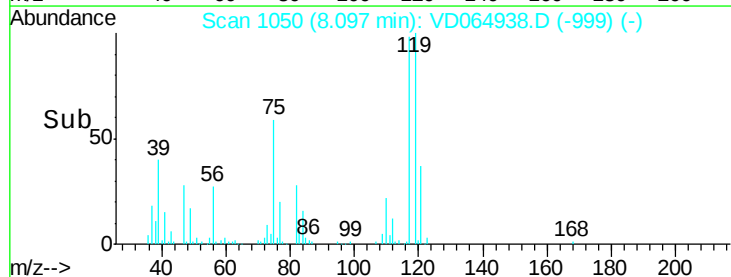
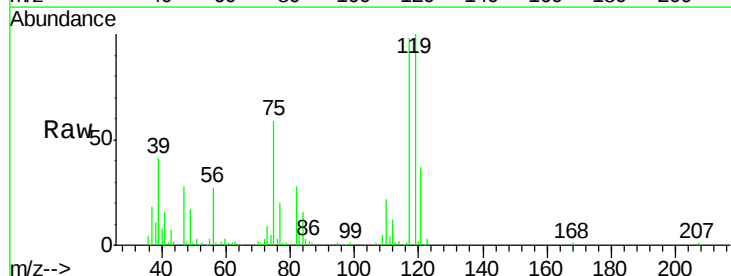
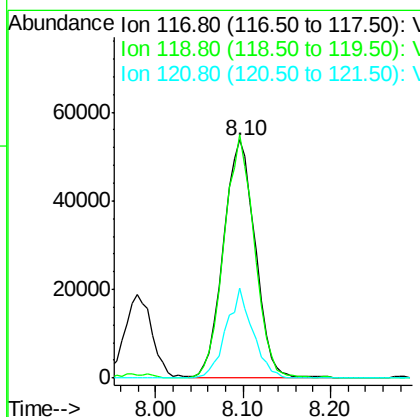
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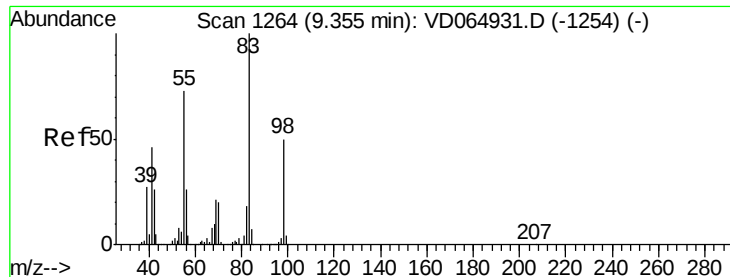
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.735 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.1	73.2	109.8
121	37.7	24.4	36.6





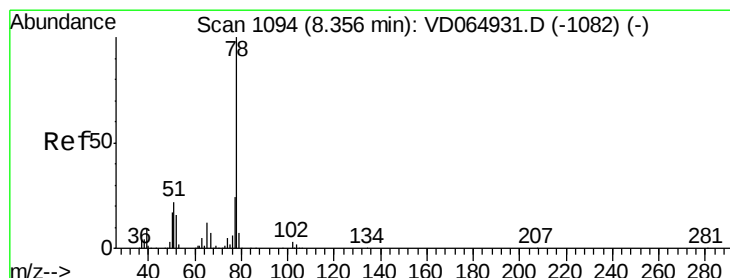
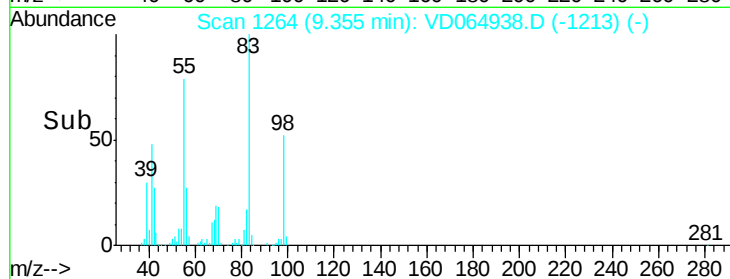
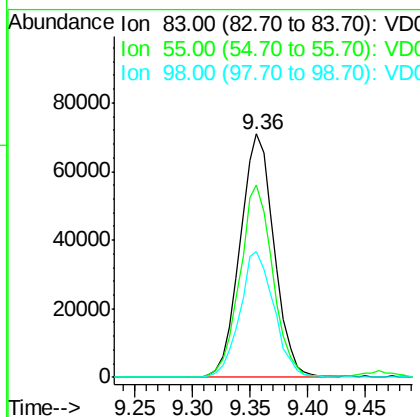
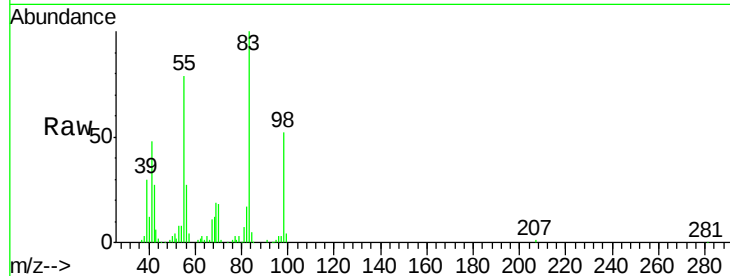
#39
Methvlcvclohexane
Concen: 19.367 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	58.7	88.1
98	51.5	40.2	60.2

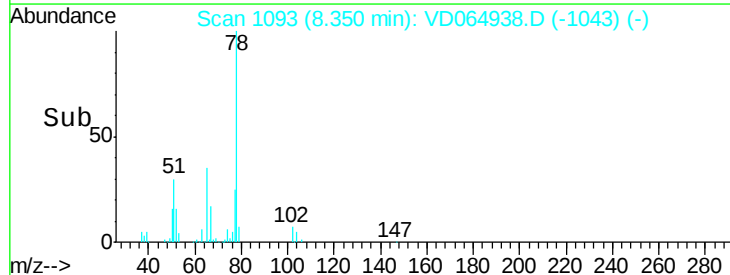
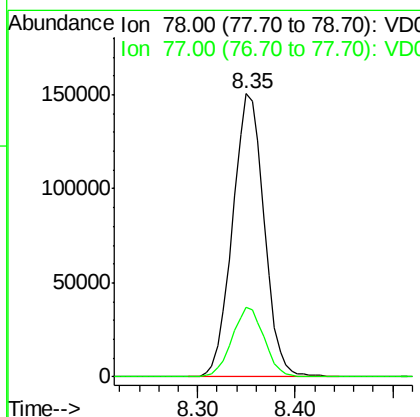
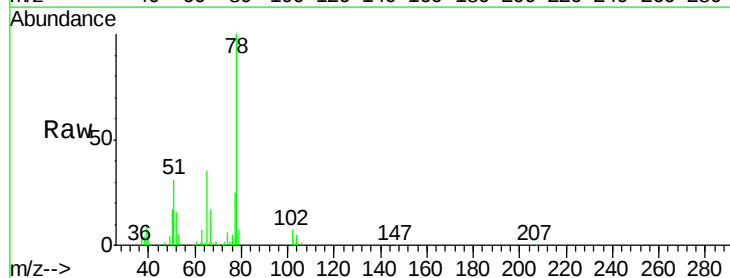
Manual Integrations
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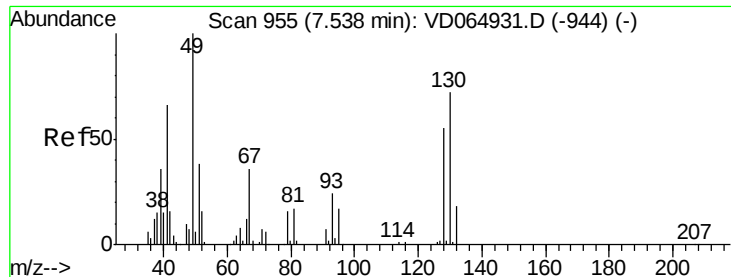
MMDadoda
1/27/2020 12:03:07 PM



#40
Benzene
Concen: 19.255 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8





#41

Methacrylonitrile

Concen: 19.242 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion: 41 Resp: 27458

Ion Ratio Lower Upper

41 100

39 47.7 49.3 73.9#

67 66.2 51.0 76.6

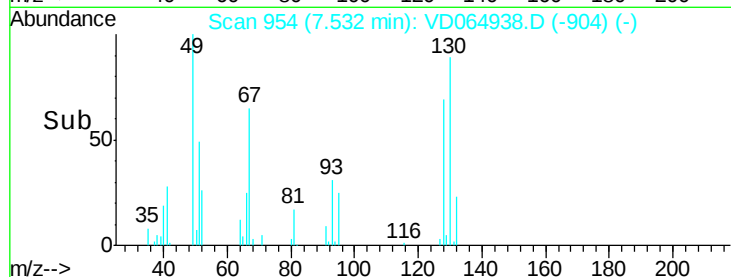
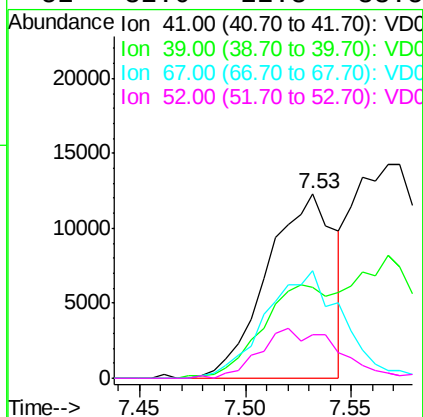
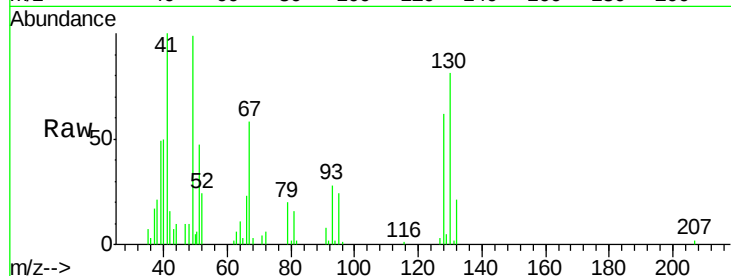
52 32.0 22.3 33.5

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 19.152 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064938.D

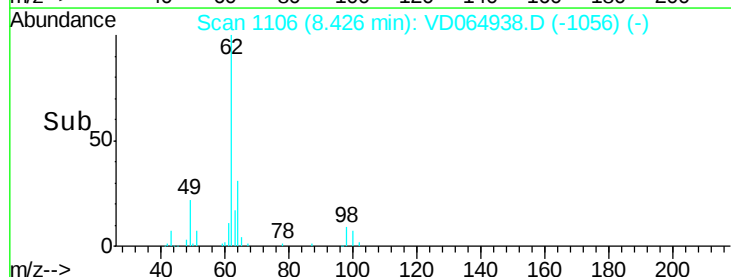
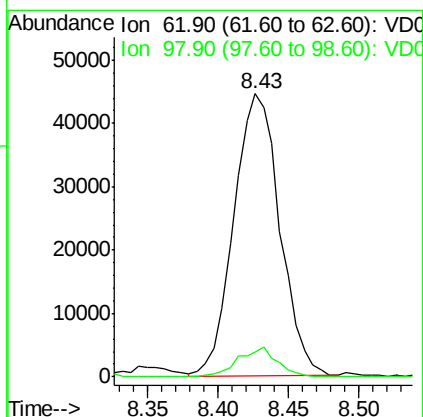
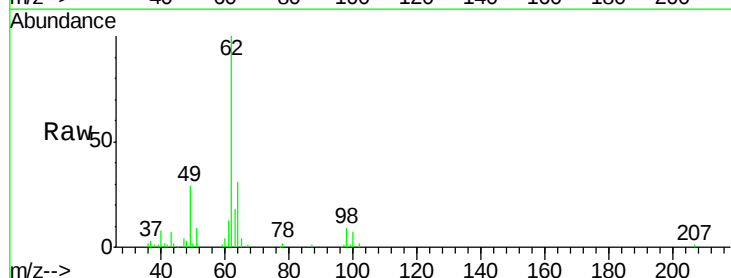
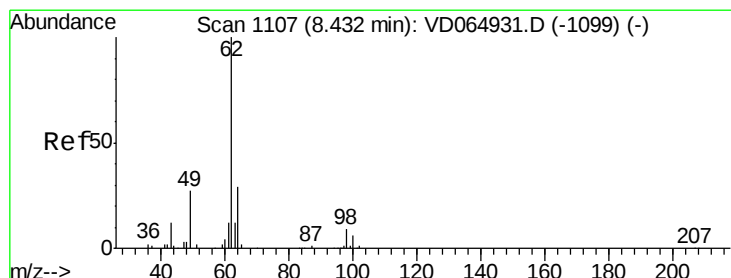
Acq: 24 Jan 2020 12:51

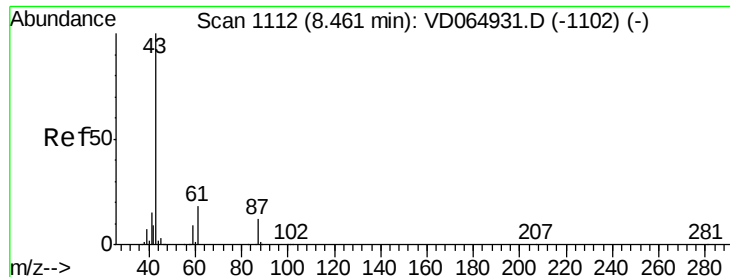
Tgt Ion: 62 Resp: 100762

Ion Ratio Lower Upper

62 100

98 9.0 0.0 17.8





#43

Isopropyl Acetate

Concen: 17.907 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

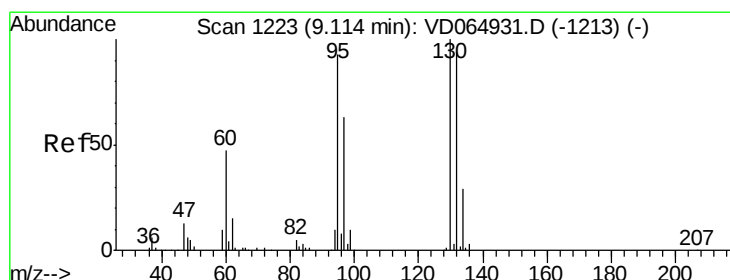
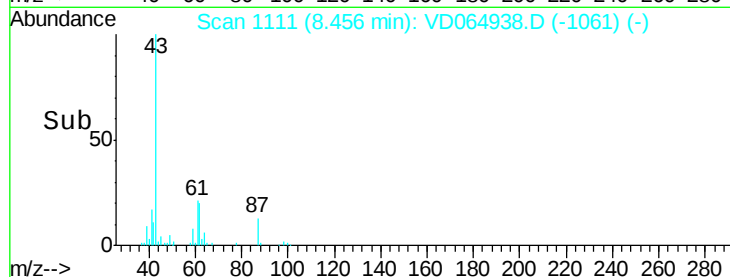
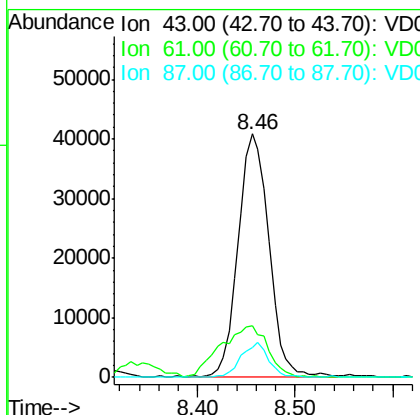
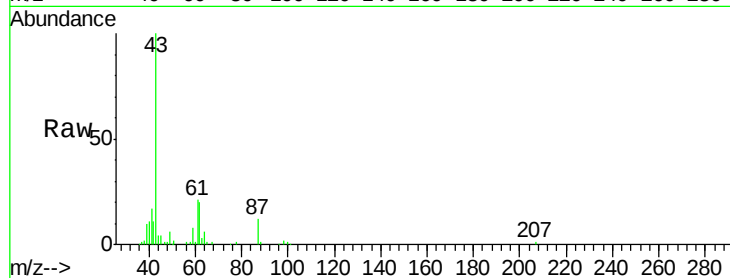
ClientSampleId :

VD0124SBS01

Tot Ion:	43	Resp:	90103
Ion	Ratio	Lower	Upper
43	100		
61	31.9	23.8	35.6
87	12.7	10.3	15.5

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#44

Trichloroethene

Concen: 19.553 ug/l

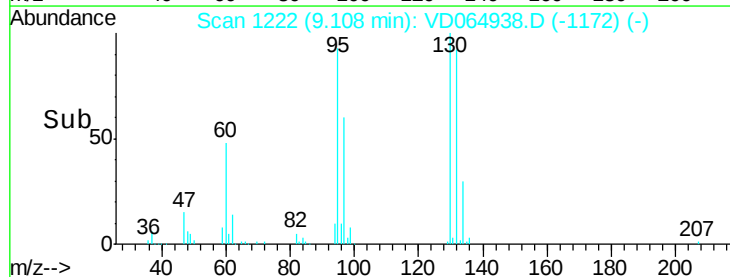
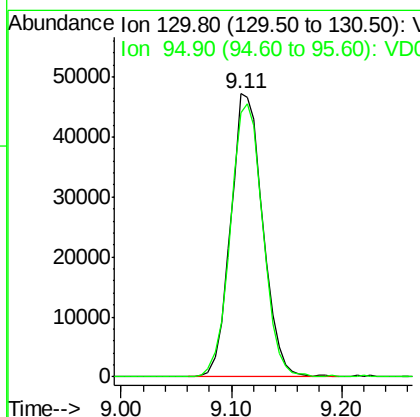
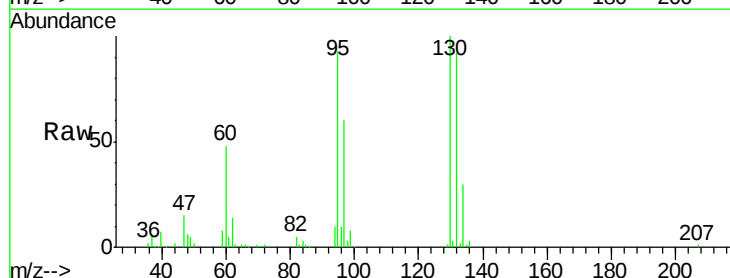
RT: 9.11 min Scan# 1222

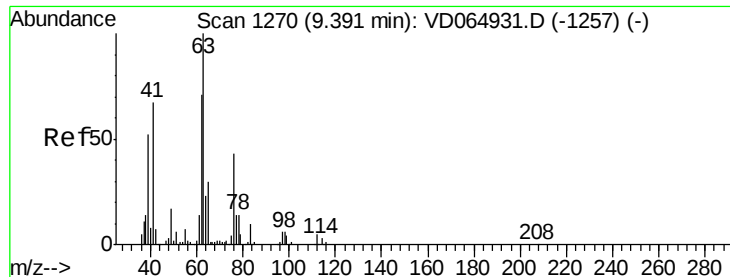
Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Tgt Ion:	130	Resp:	96651
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	185.8





#45

1,2-Dichloropropane

Concen: 19.806 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion: 63 Resp: 84806

Ion Ratio Lower Upper

63 100

65 33.6

24.3

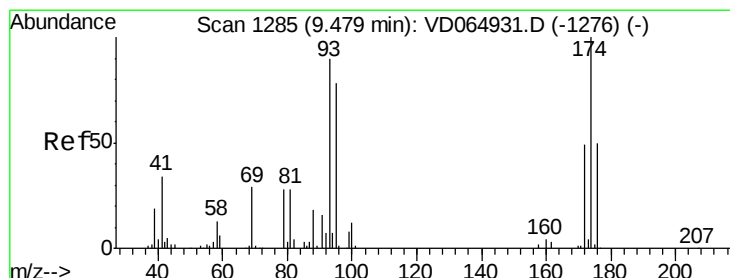
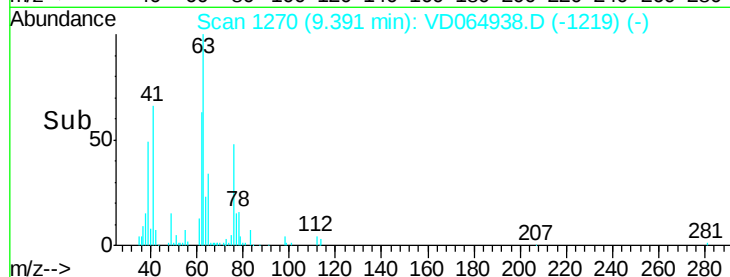
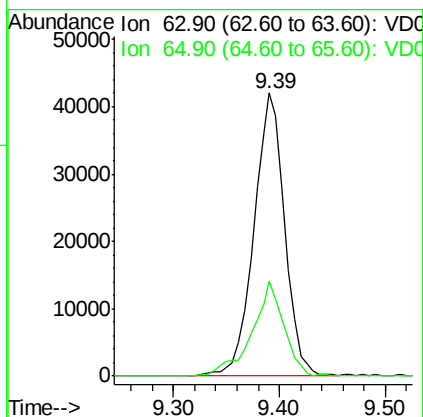
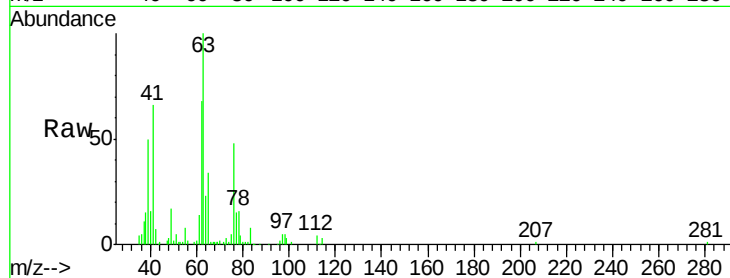
36.5

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#46

Dibromomethane

Concen: 19.202 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Tgt Ion: 93 Resp: 44887

Ion Ratio Lower Upper

93 100

95 82.3

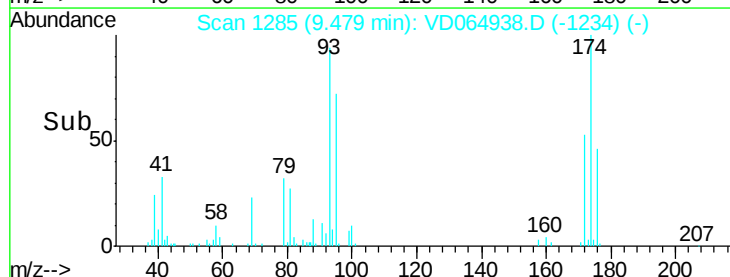
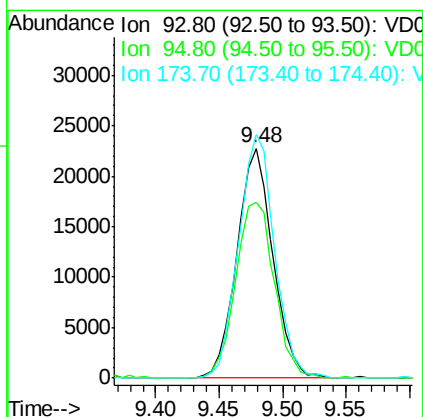
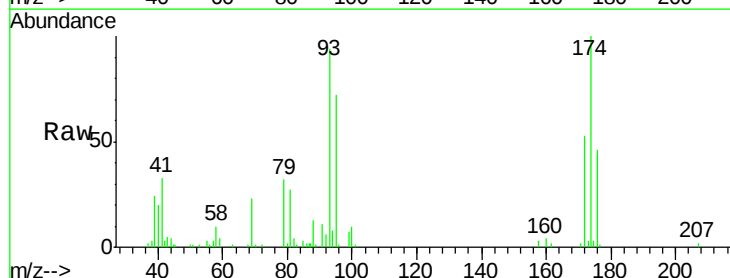
67.5

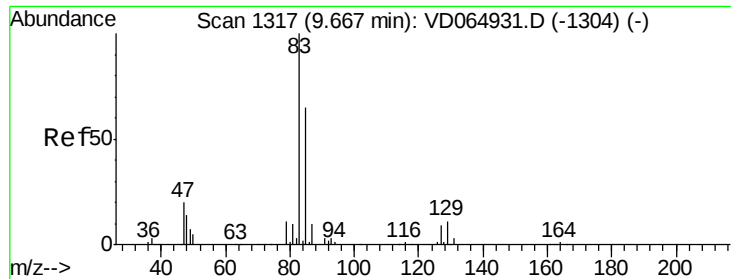
101.3

174 106.0

88.4

132.6





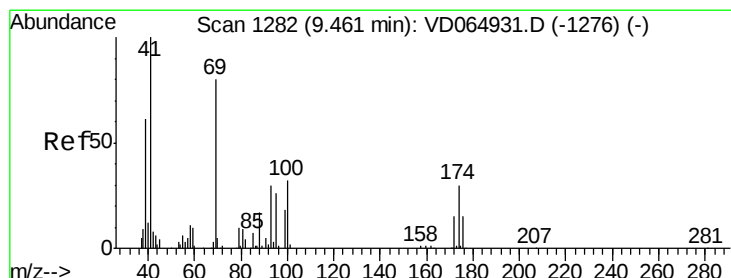
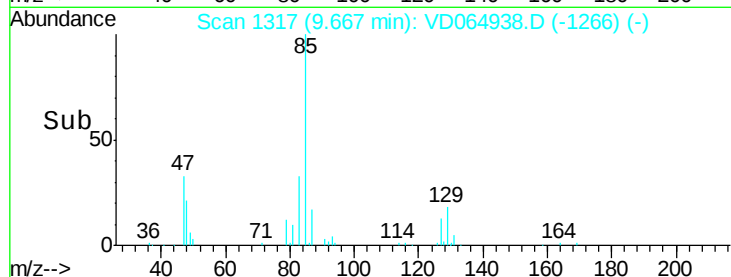
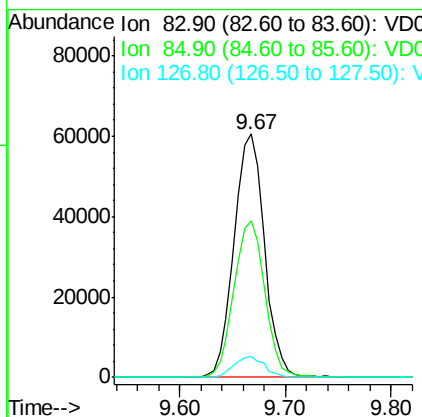
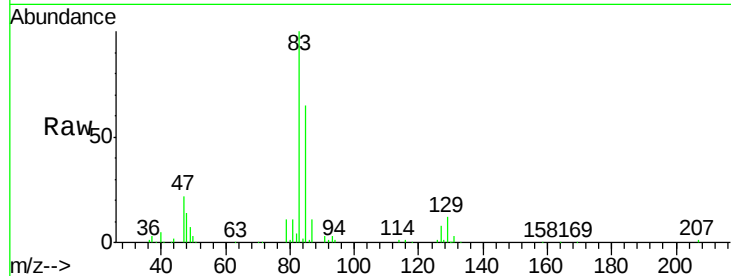
#47
Bromodichloromethane
Concen: 19.901 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	83	Resp	121054
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	52.0	78.0
127	8.4	7.3	10.9

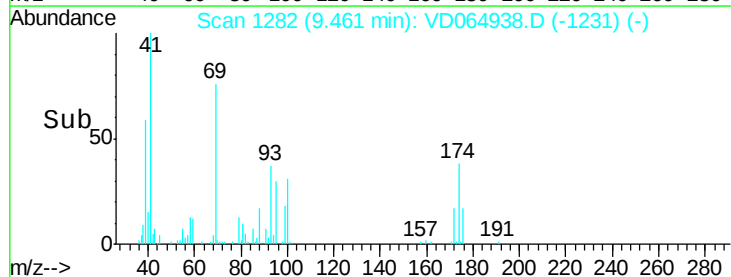
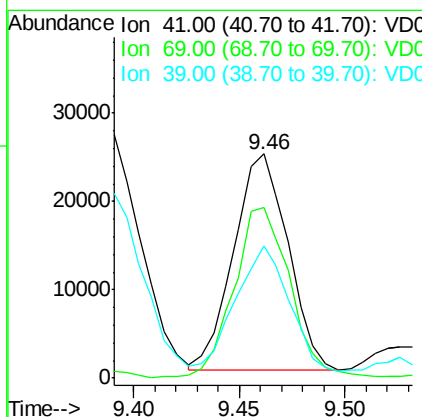
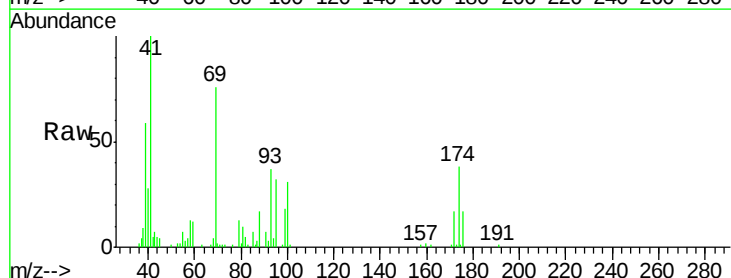
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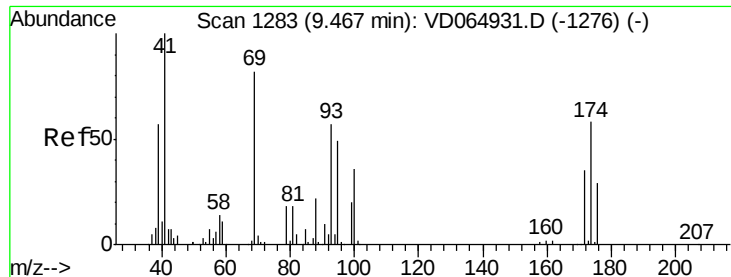
MMDadoda
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#48
Methyl methacrylate
Concen: 18.873 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	41	Resp	43700
Ion Ratio	100	Lower	Upper
41	100		
69	82.0	65.8	98.8
39	56.9	49.4	74.0





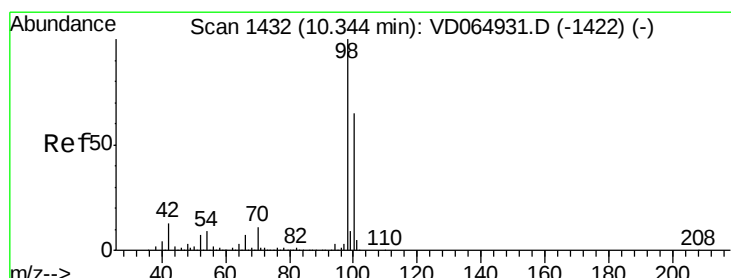
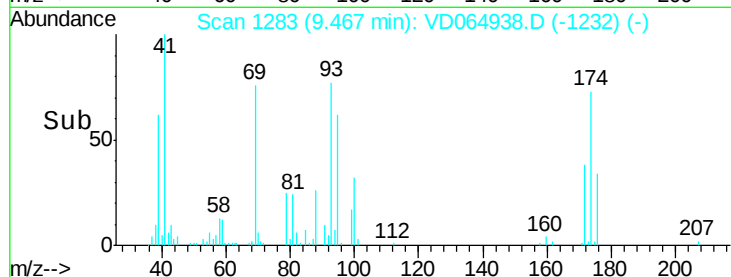
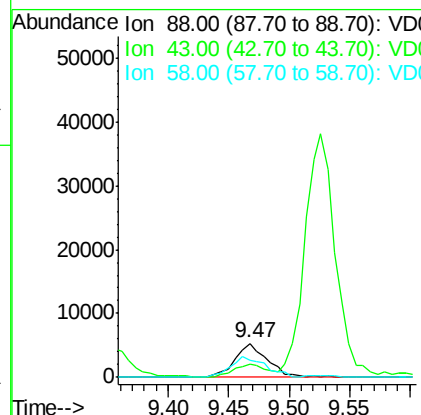
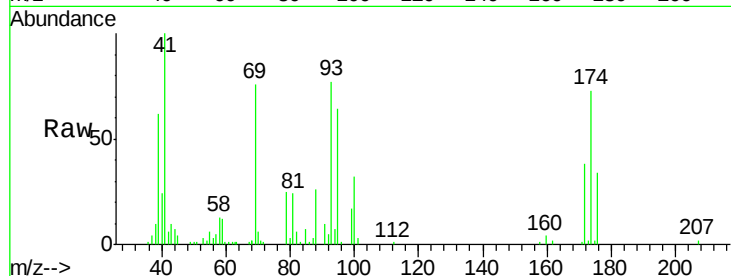
#49
1,4-Dioxane
Concen: 369.436 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.6	26.2	39.4#
58	64.2	50.3	75.5

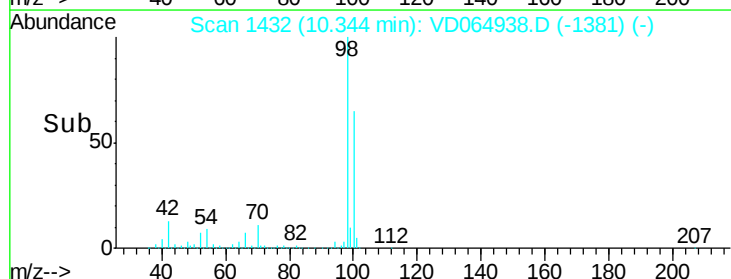
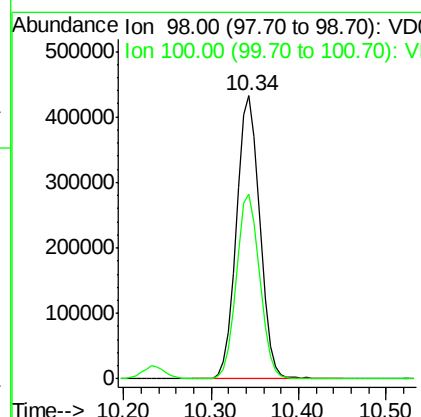
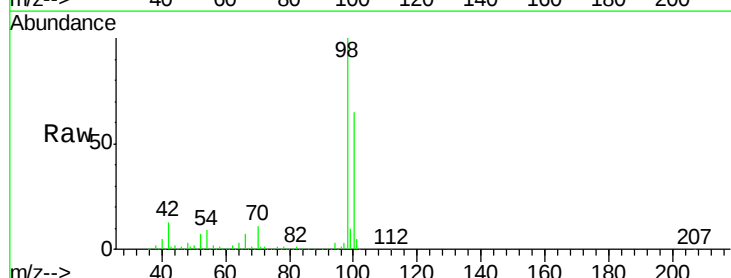
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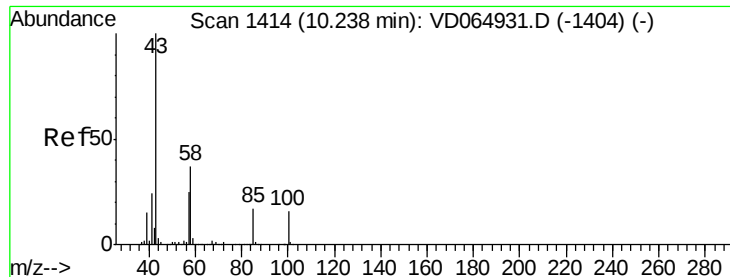
MMDadoda
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#50
Toluene-d8
Concen: 48.357 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 88.512 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion: 43 Resp: 222847

Ion Ratio Lower Upper

43 100

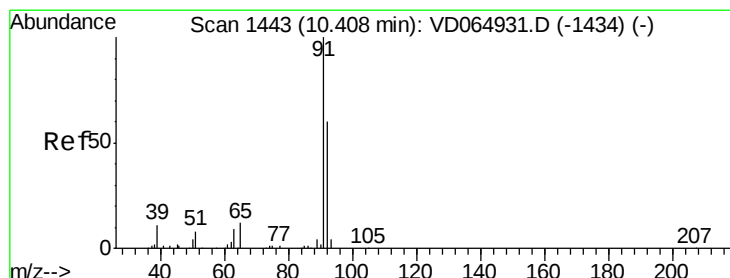
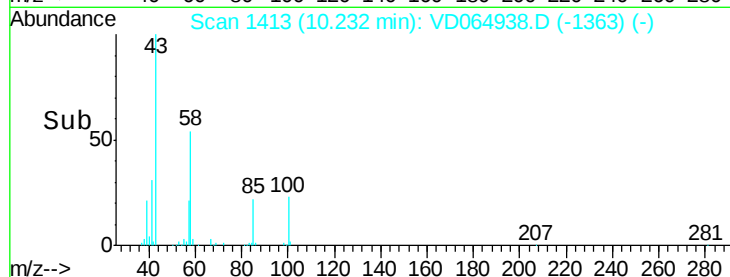
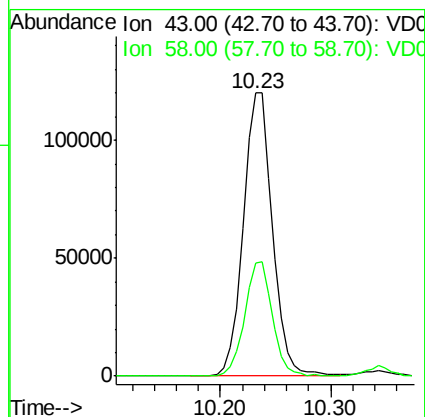
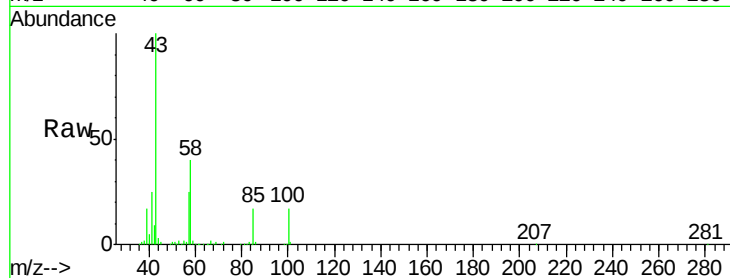
58 38.3 30.4 45.6

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#52

Toluene

Concen: 19.587 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064938.D

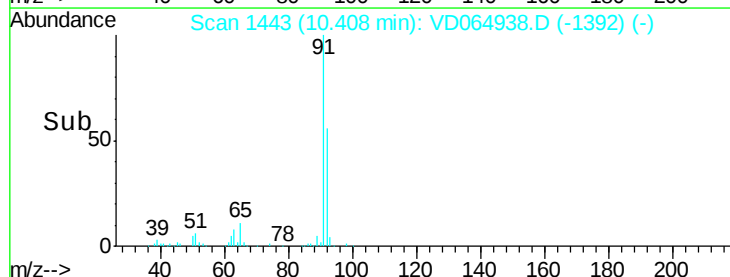
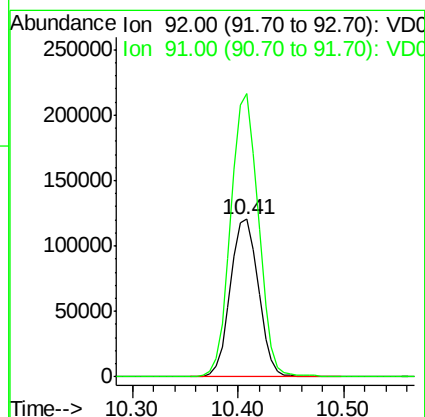
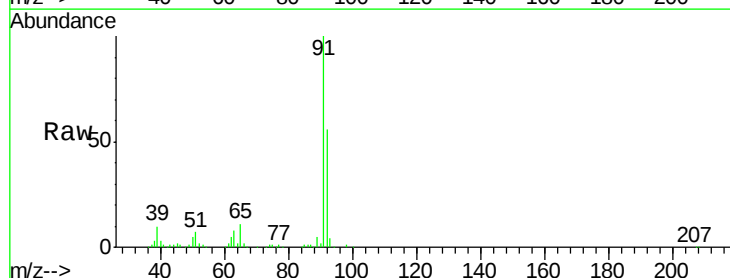
Acq: 24 Jan 2020 12:51

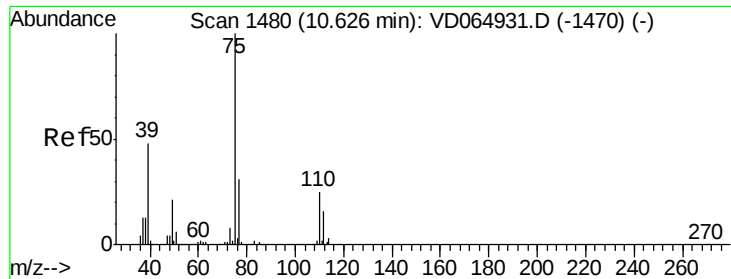
Tgt Ion: 92 Resp: 223040

Ion Ratio Lower Upper

92 100

91 176.2 136.8 205.2





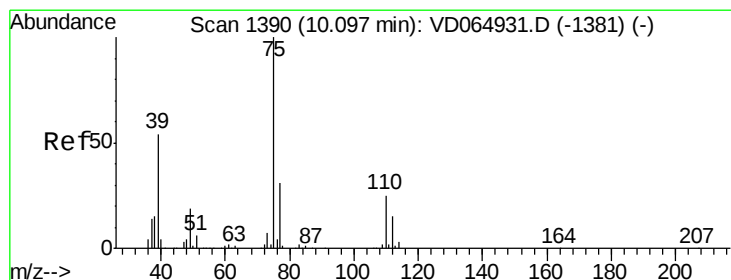
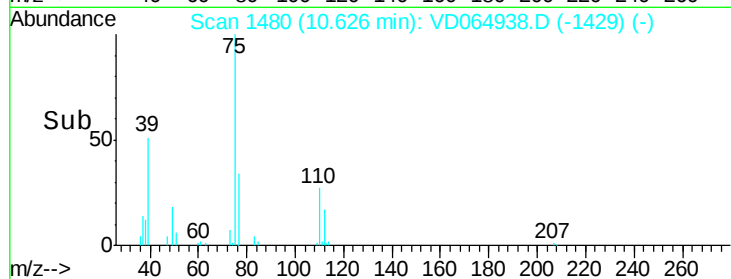
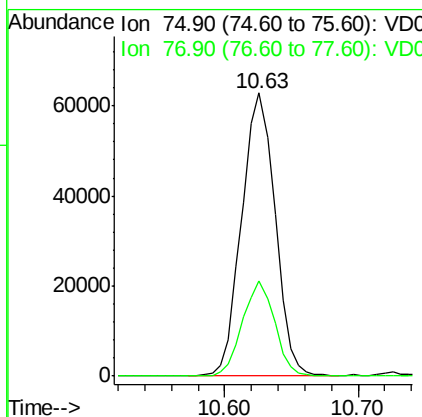
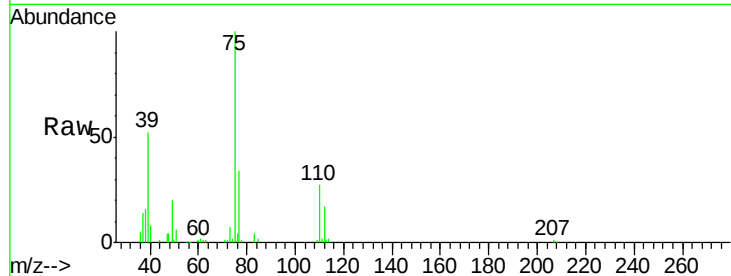
#53
 t-1,3-Dichloropropene
 Concen: 18.841 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0124SBS01

Tot Ion: 75 Resp: 109168
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.0 37.6

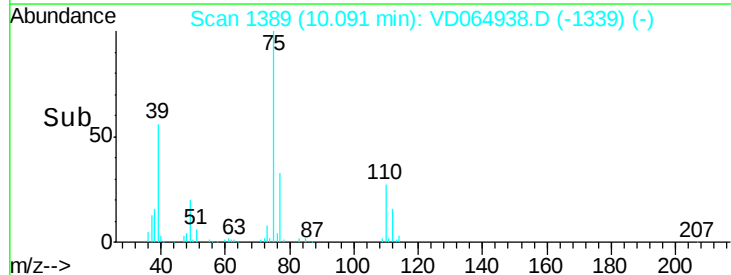
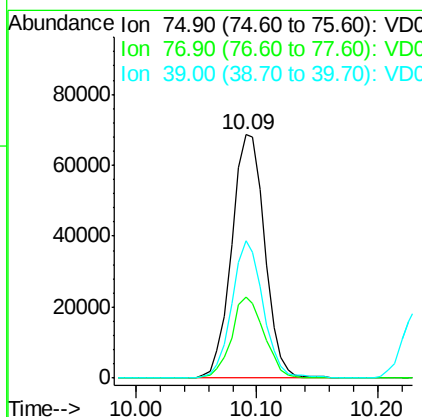
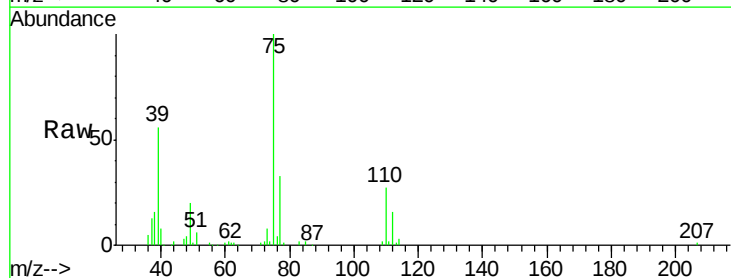
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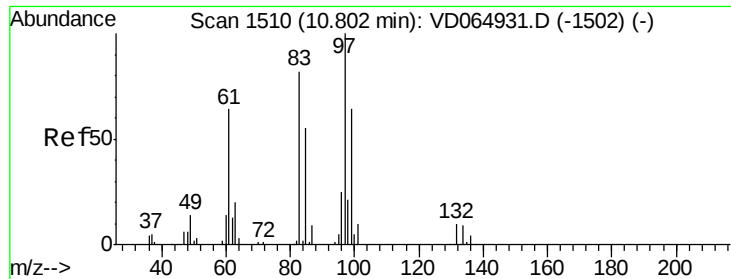
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#54
 cis-1,3-Dichloropropene
 Concen: 19.345 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion: 75 Resp: 131235
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.1 37.7
 39 56.3 43.0 64.6





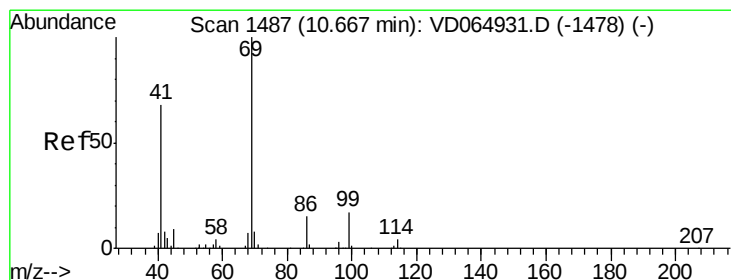
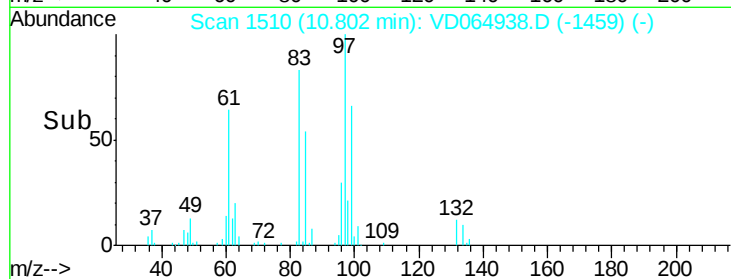
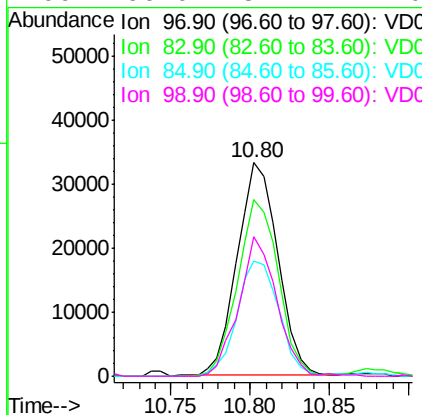
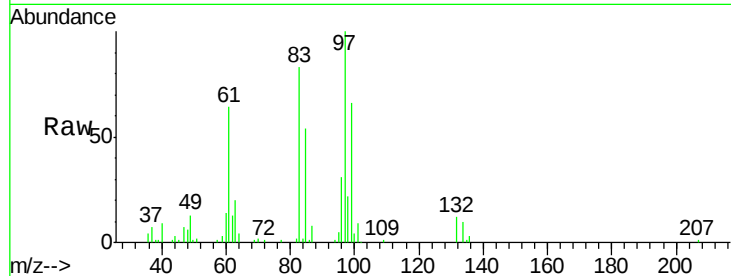
#55
 1,1,2-Trichloroethane
 Concen: 18.760 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0124SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.0	99.0
85	54.5	44.4	66.6
99	66.0	51.4	77.0

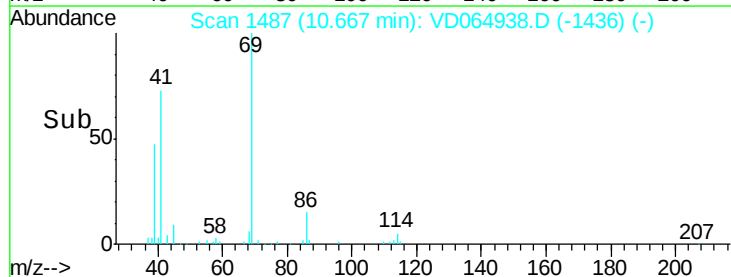
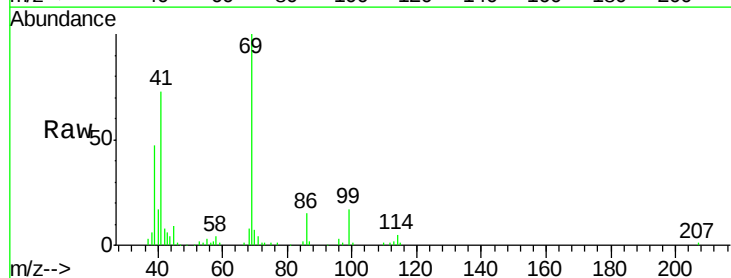
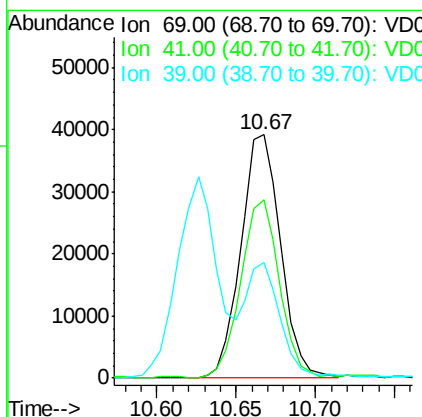
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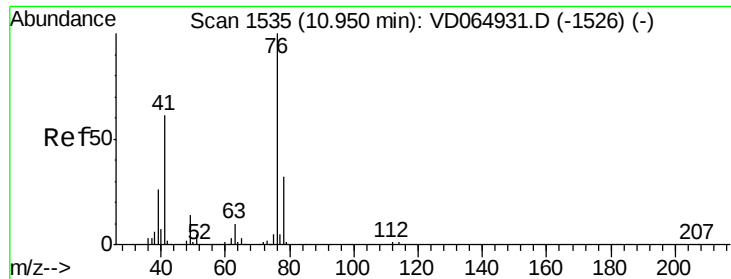
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#56
 Ethyl methacrylate
 Concen: 18.151 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.6	56.4	84.6
39	42.0	30.6	46.0





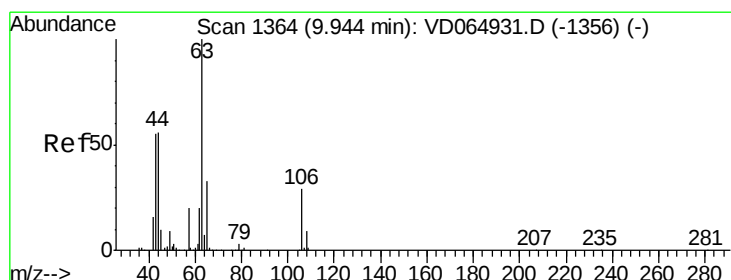
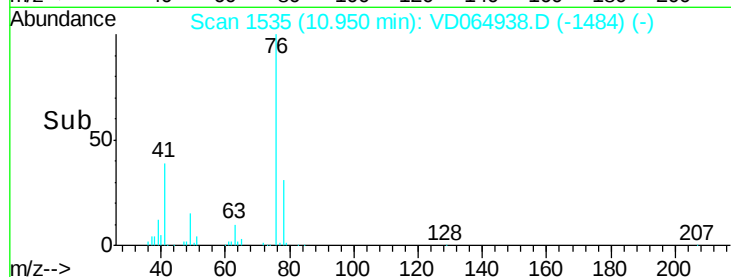
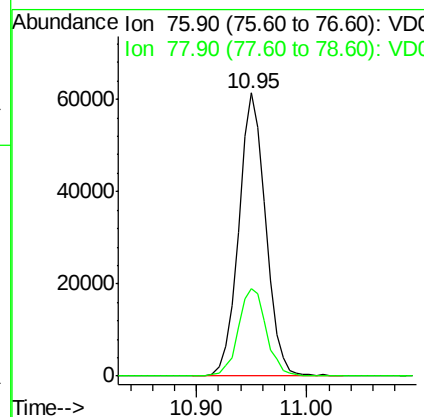
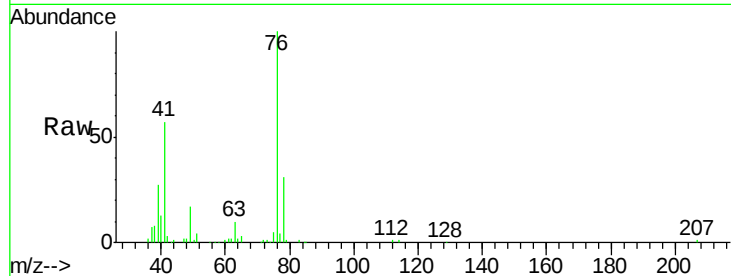
#57
 1,3-Dichloropropane
 Concen: 19.485 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0124SBS01

Tot Ion: 76 Resp: 105231
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

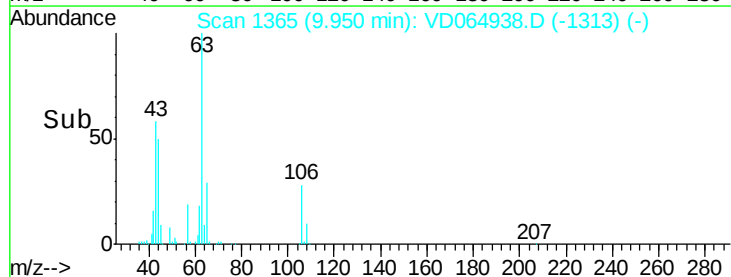
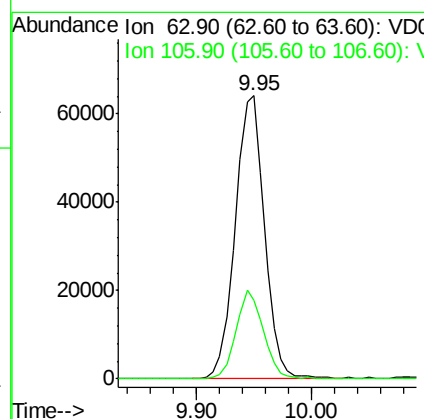
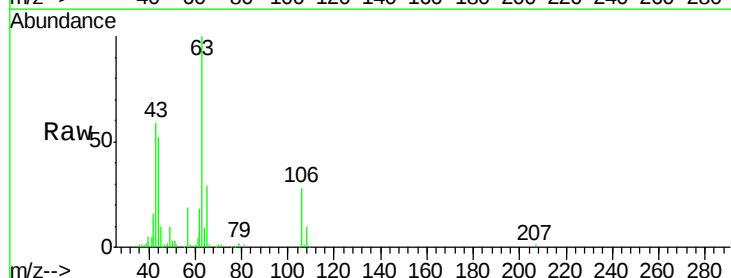
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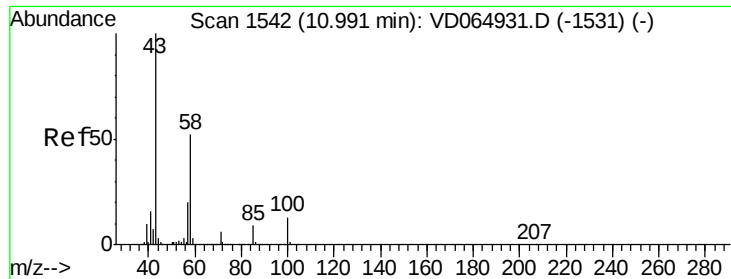
MMDadoda
 1/27/2020 12:03:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.138 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion: 63 Resp: 112759
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.0 34.4





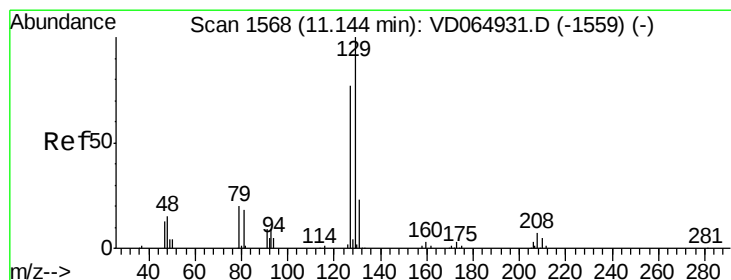
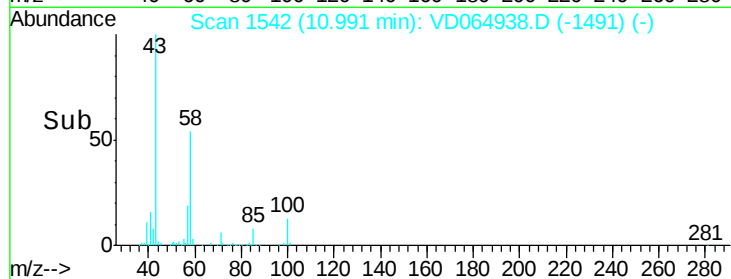
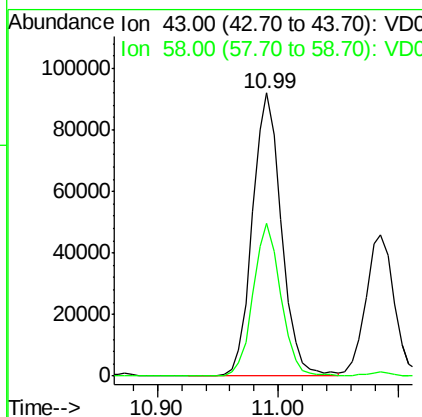
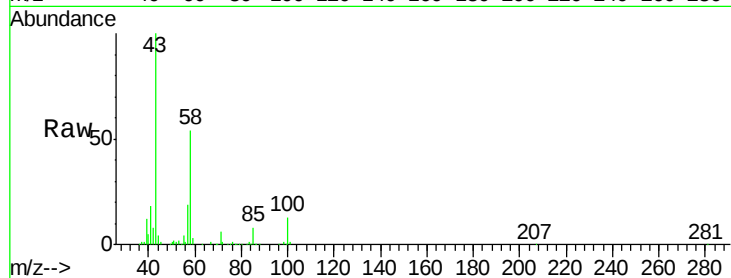
#59
2-Hexanone
Concen: 88.541 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion: 43 Resp: 153763
Ion Ratio Lower Upper
43 100
58 51.6 26.5 79.4

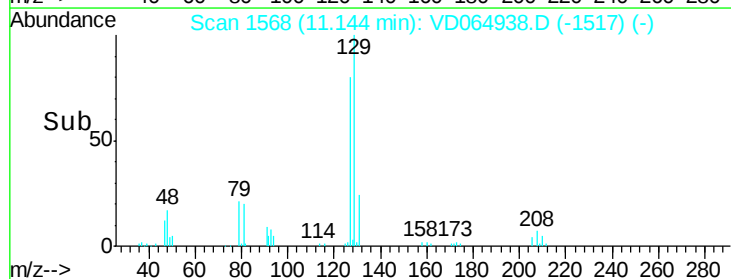
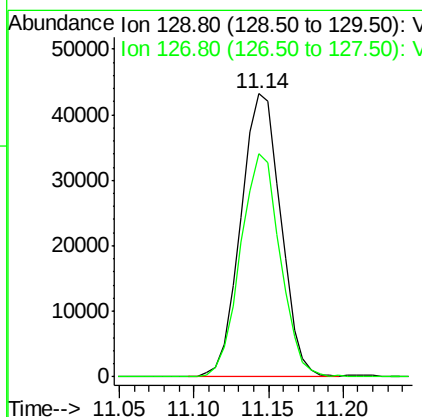
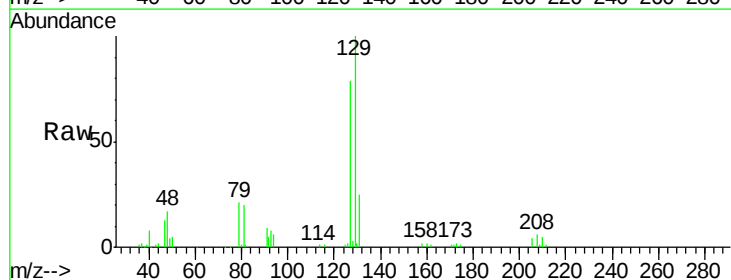
Manual Integrations
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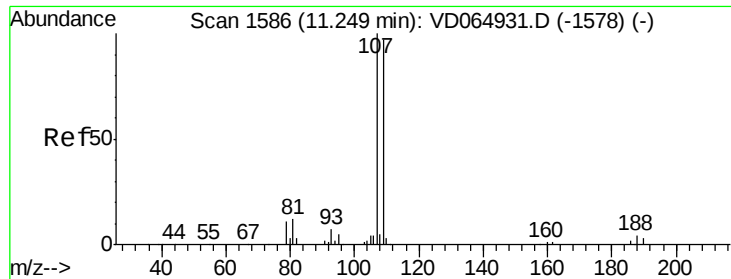
MMDadoda
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#60
Dibromochloromethane
Concen: 19.058 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 129 Resp: 80207
Ion Ratio Lower Upper
129 100
127 78.3 38.2 114.6





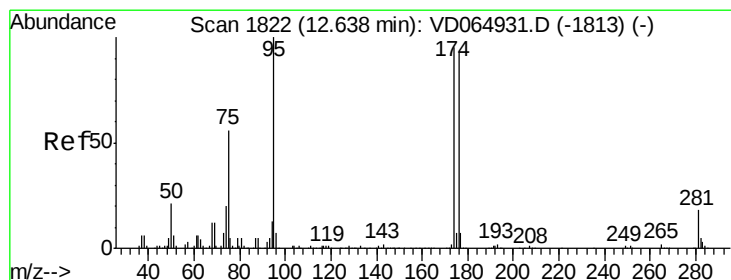
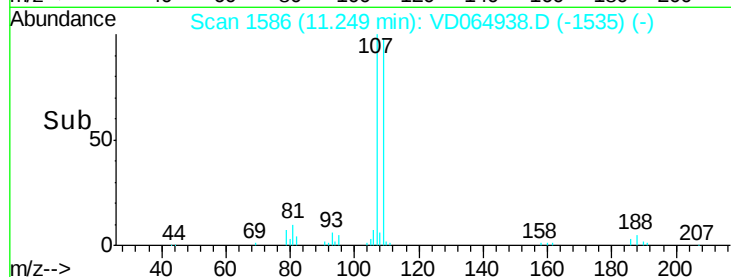
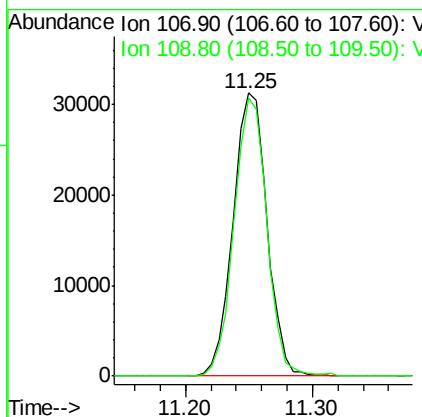
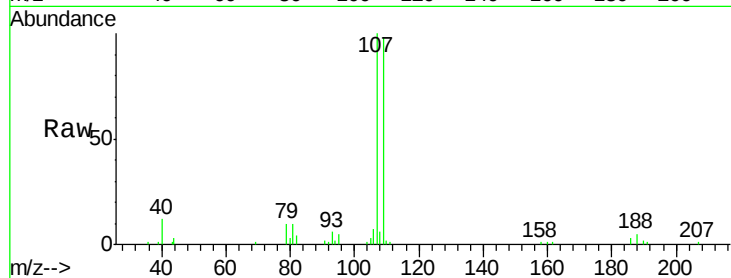
#61
1,2-Dibromoethane
Concen: 19.120 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion: 107 Resp: 57971
Ion Ratio Lower Upper
107 100
109 94.7 77.1 115.7

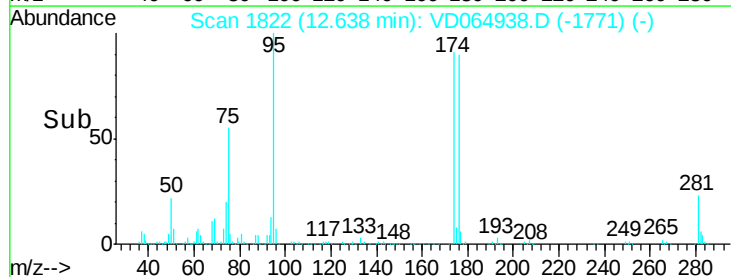
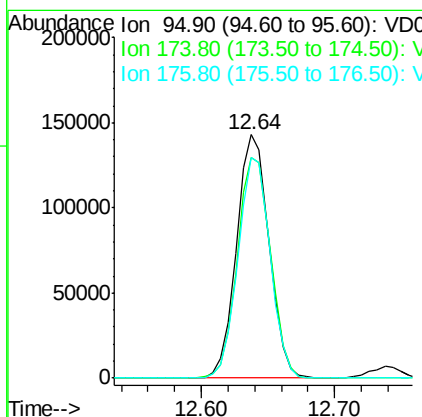
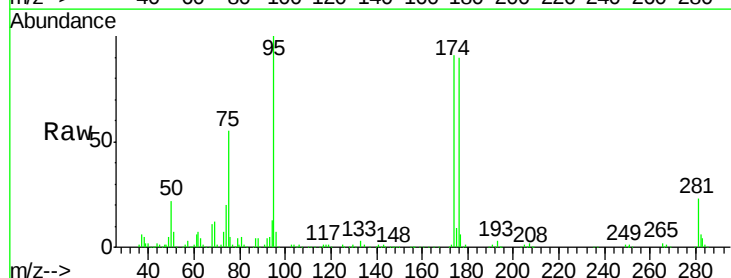
Manual Integrations
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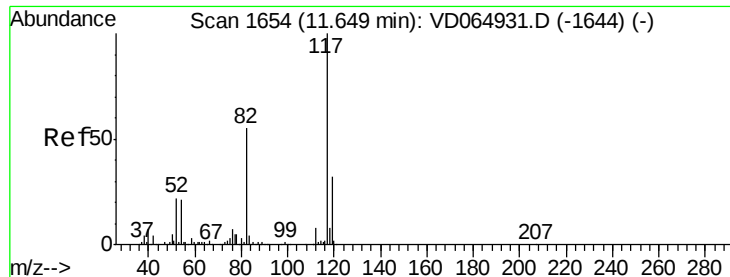
MMDadoda
1/27/2020 12:03:07 PM



#62
4-Bromofluorobenzene
Concen: 48.736 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 95 Resp: 240574
Ion Ratio Lower Upper
95 100
174 92.3 0.0 186.8
176 89.5 0.0 183.4





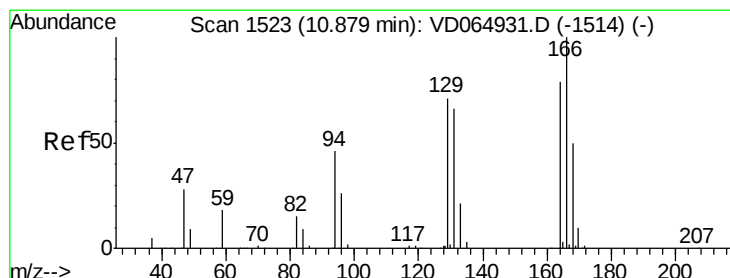
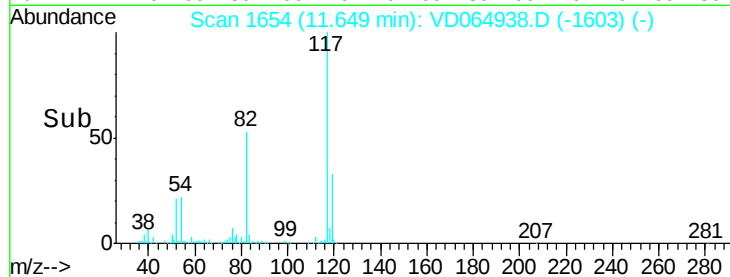
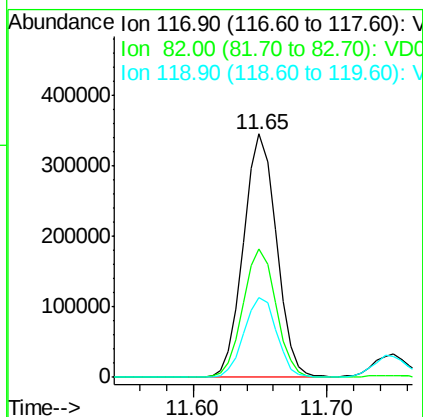
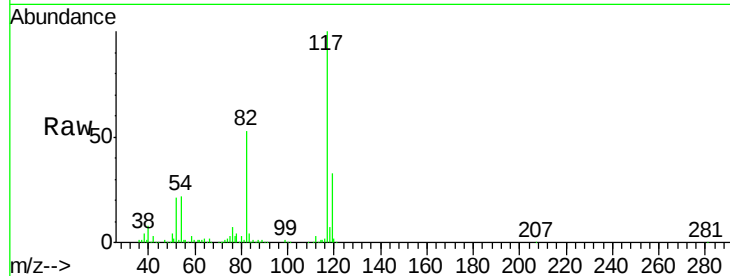
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.6	65.4
119	32.9	25.2	37.8

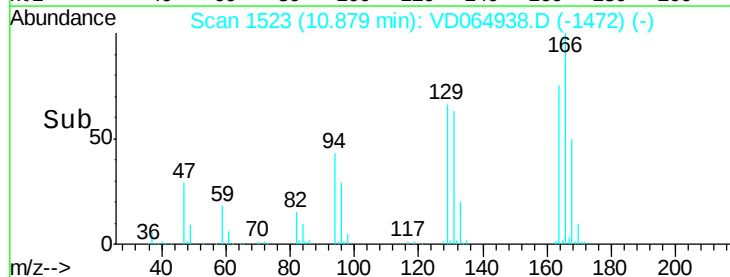
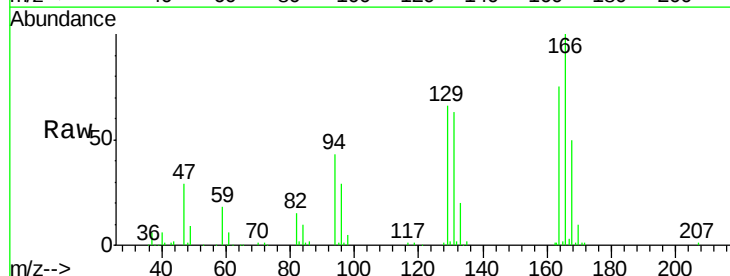
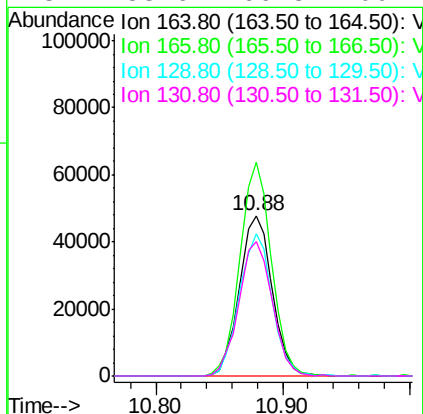
Manual Integrations
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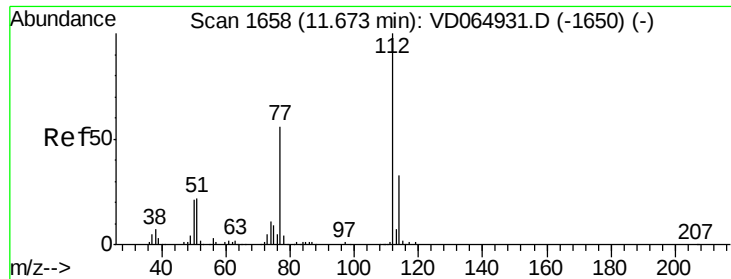
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#64
Tetrachloroethene
Concen: 20.165 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.5	101.4	152.2
129	88.4	71.8	107.8
131	83.6	66.8	100.2





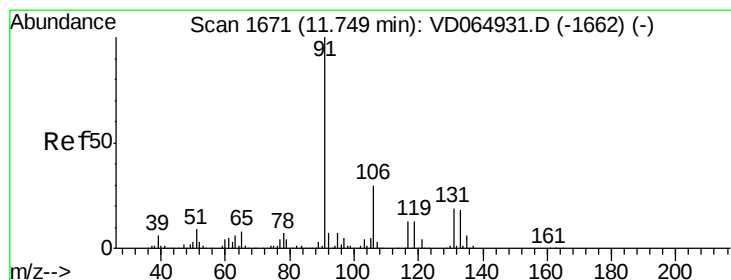
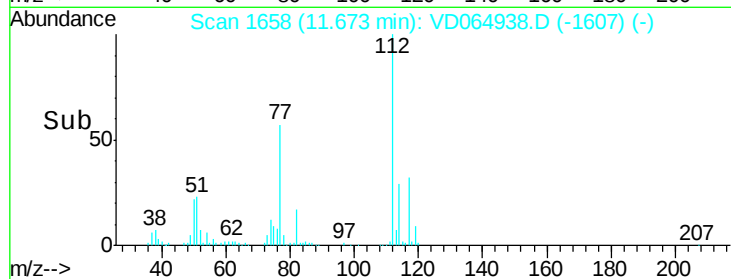
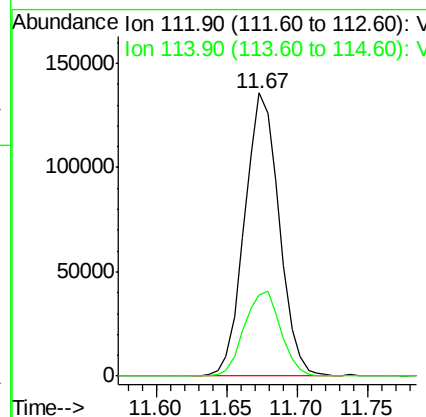
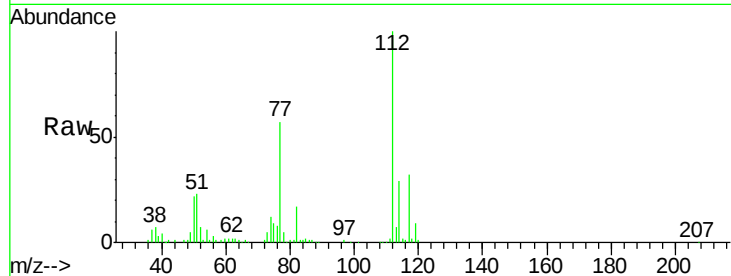
#65
Chlorobenzene
Concen: 19.490 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	28.9	26.2	39.4

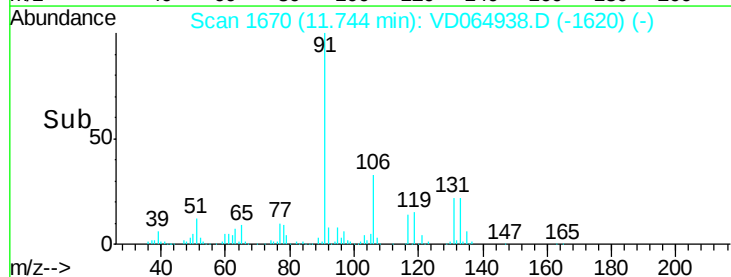
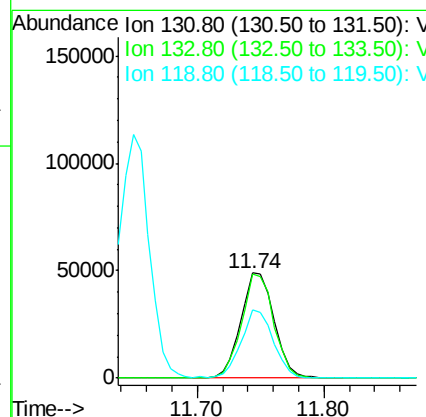
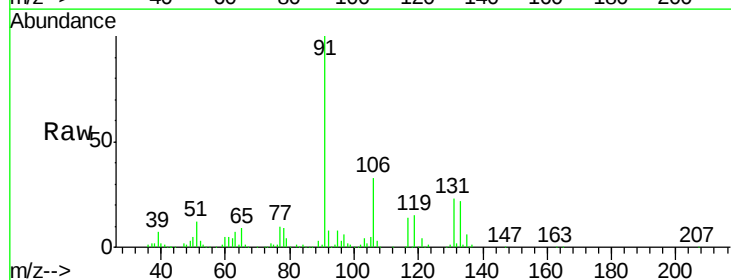
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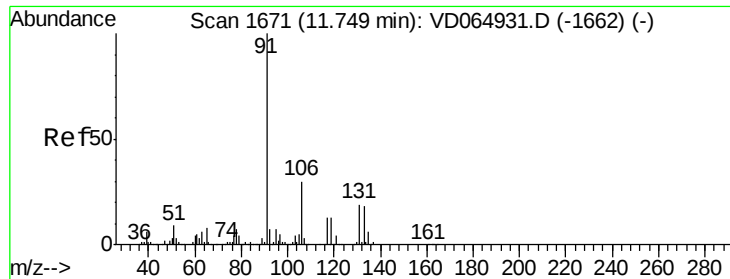
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.765 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.5	142.5
119	62.7	31.1	93.5





#67

Ethyl Benzene

Concen: 19.806 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion: 91 Resp: 420862

Ion Ratio Lower Upper

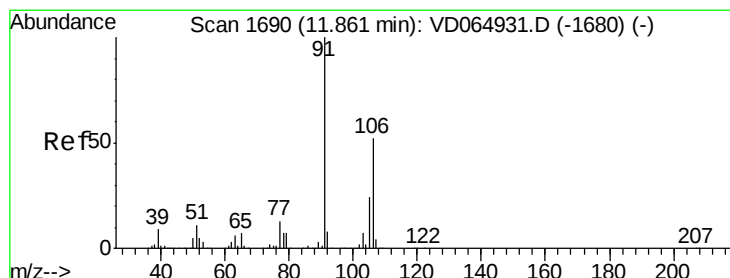
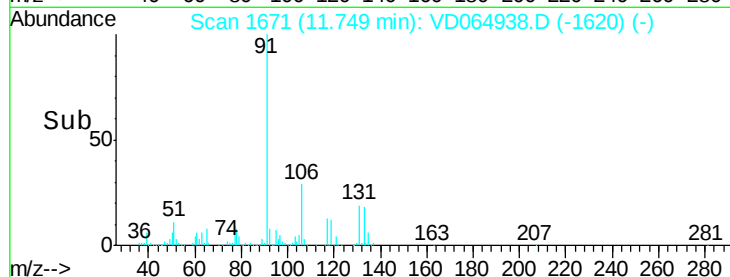
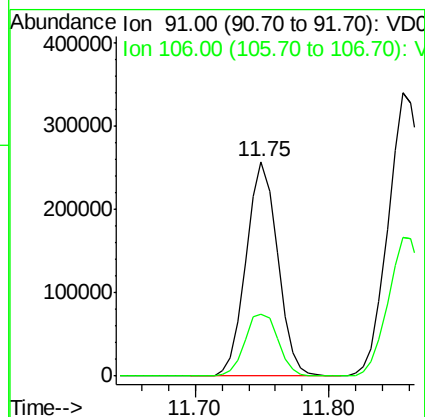
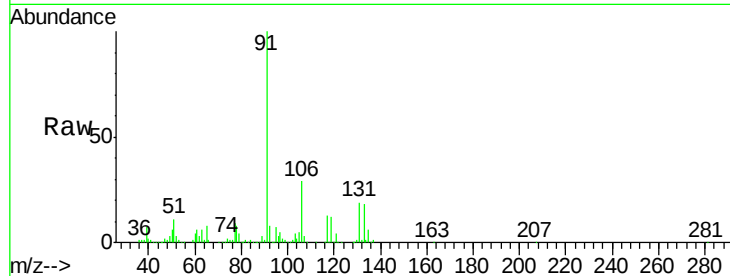
91 100

106 28.9 24.3 36.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 39.200 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD064938.D

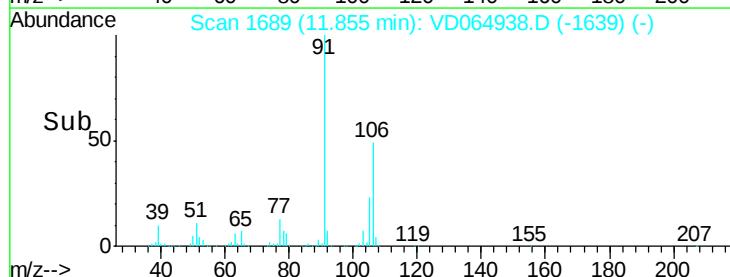
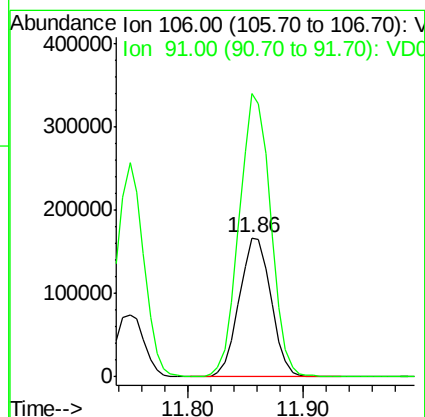
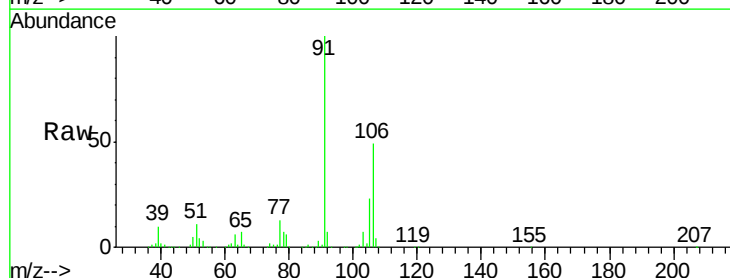
Acq: 24 Jan 2020 12:51

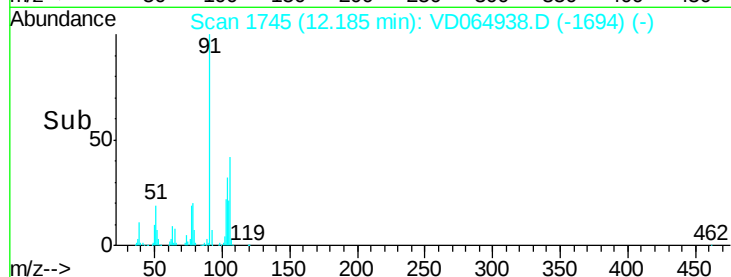
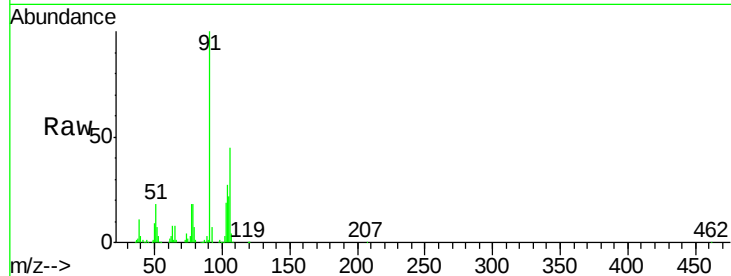
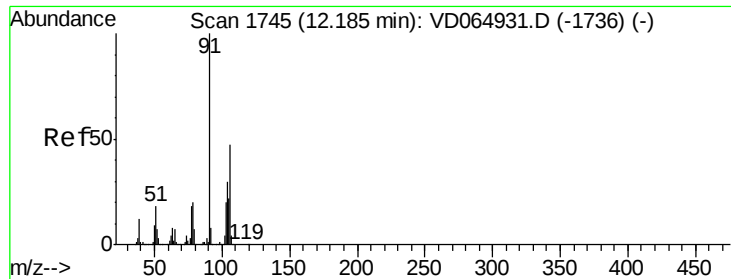
Tgt Ion: 106 Resp: 320706

Ion Ratio Lower Upper

106 100

91 201.1 159.0 238.4





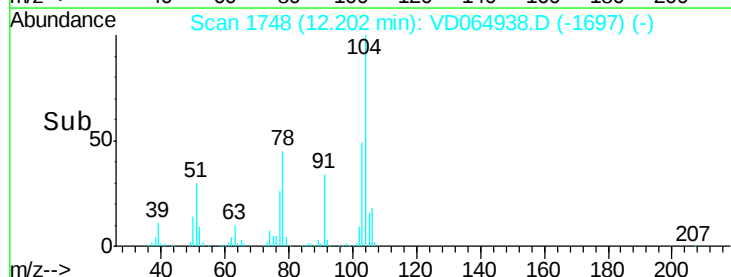
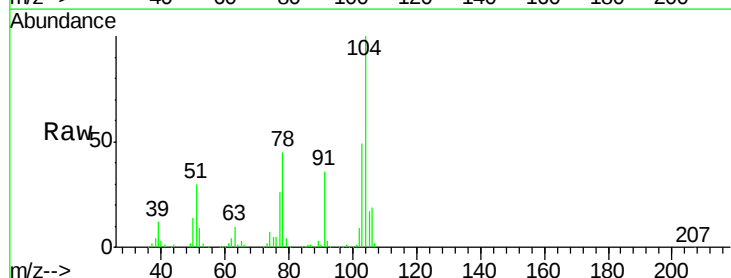
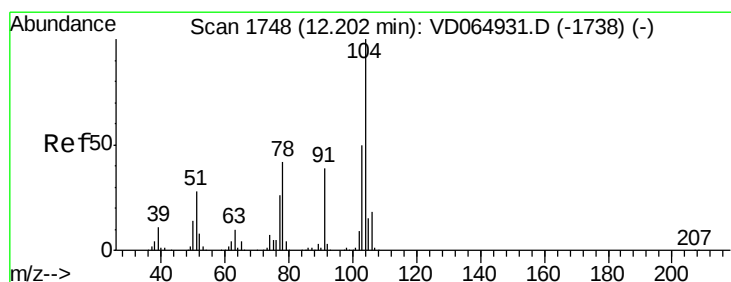
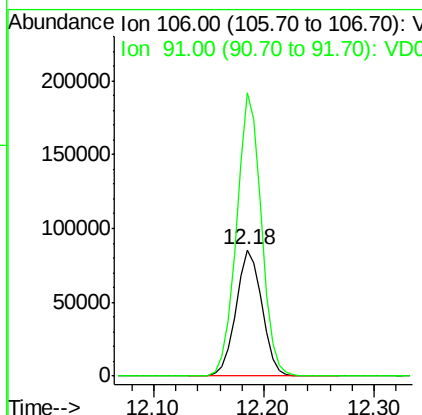
#69
o-Xylene
Concen: 19.500 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tot Ion:106 Resp: 141592
Ion Ratio Lower Upper
106 100
91 213.2 106.7 319.9

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

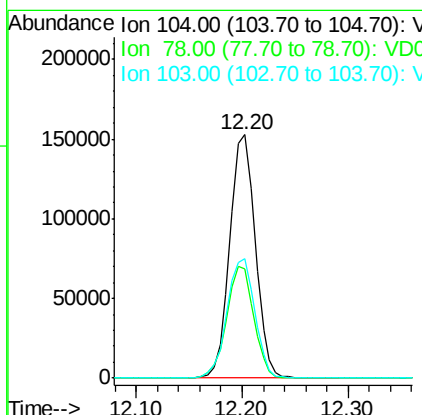
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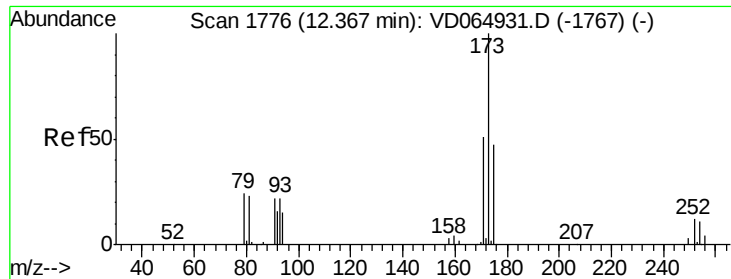
MMDadoda
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#70
Styrene
Concen: 19.742 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion:104 Resp: 255353
Ion Ratio Lower Upper
104 100
78 48.6 38.3 57.5
103 53.4 43.5 65.3





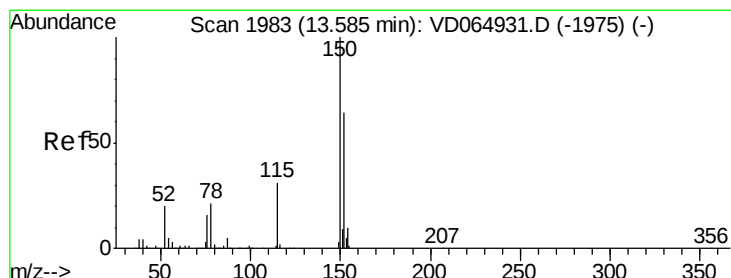
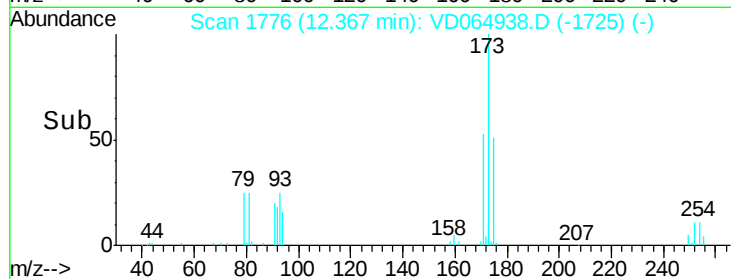
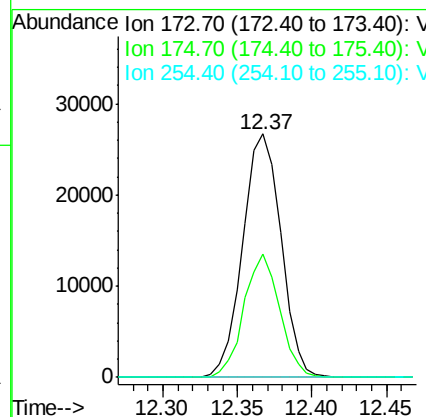
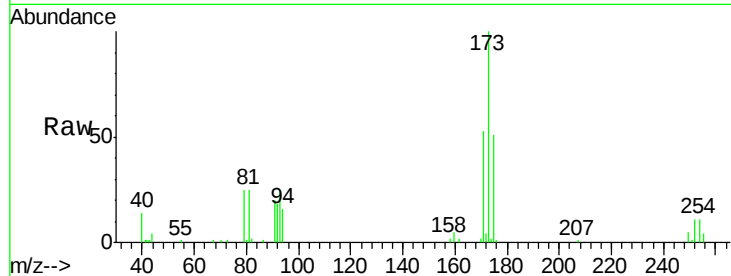
#71
Bromoform
Concen: 18.994 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.6	73.8
254	0.0	0.1	0.1#

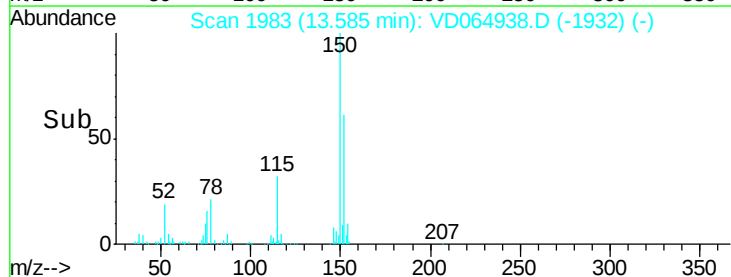
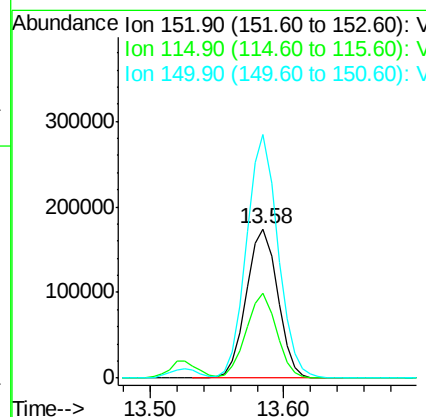
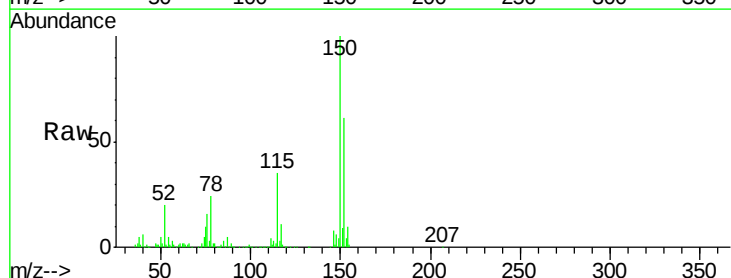
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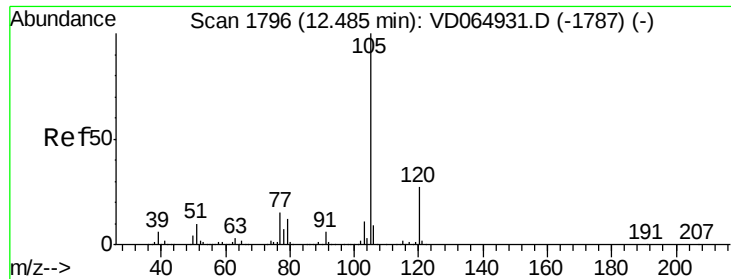
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.1	84.4
150	163.4	0.0	350.4





#73

Isopropylbenzene

Concen: 20.456 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion: 105 Resp: 395397

Ion Ratio Lower Upper

105 100

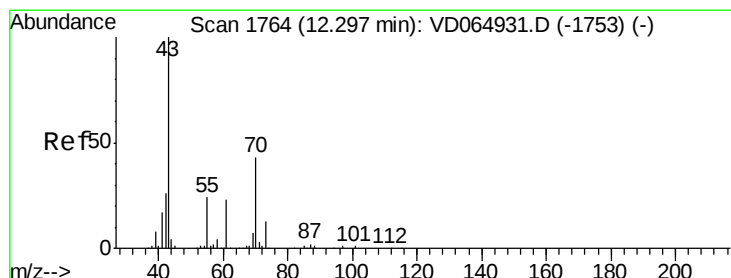
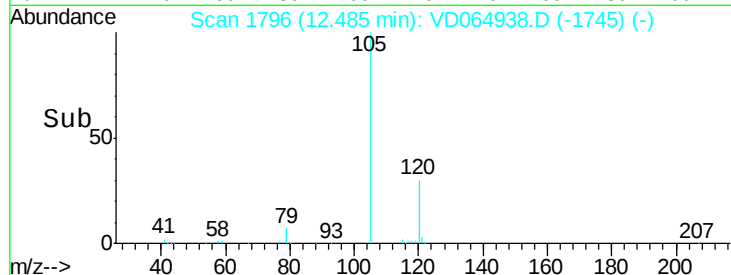
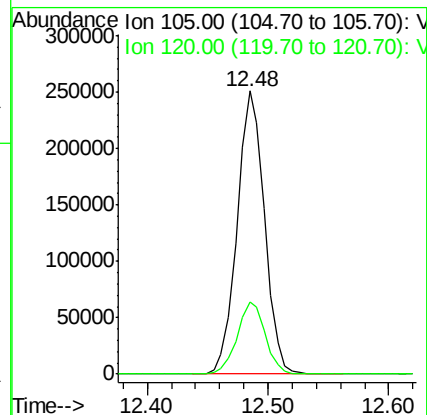
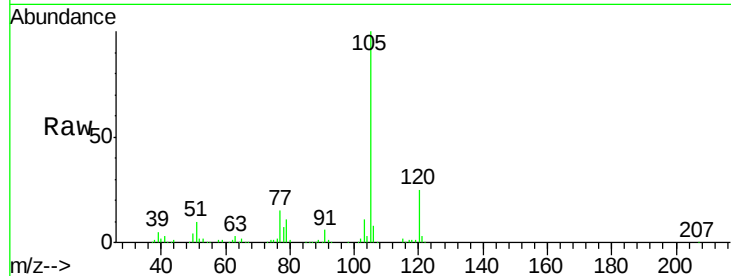
120 26.0 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.008 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Tgt Ion: 43 Resp: 82215

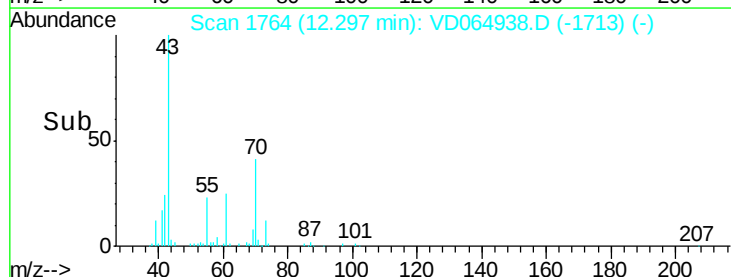
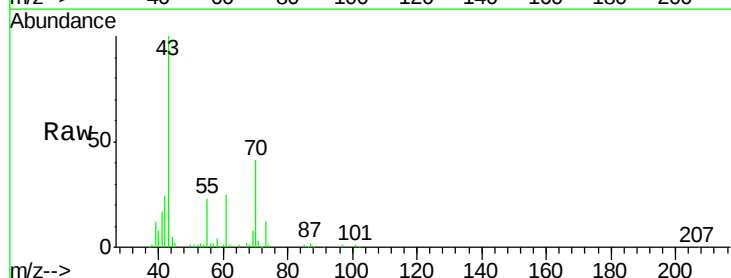
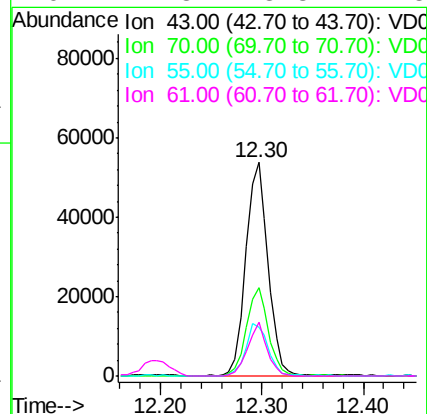
Ion Ratio Lower Upper

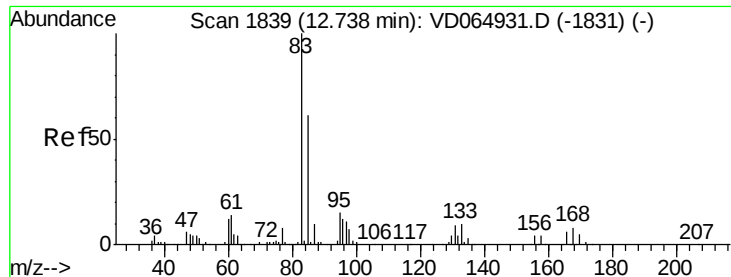
43 100

70 40.4 32.6 49.0

55 24.5 19.9 29.9

61 21.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.882 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

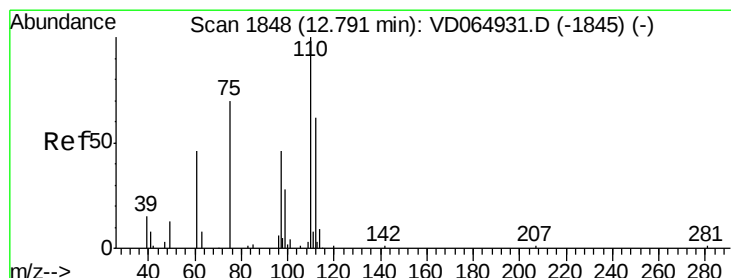
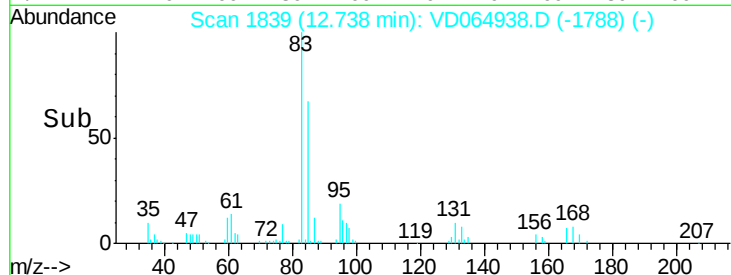
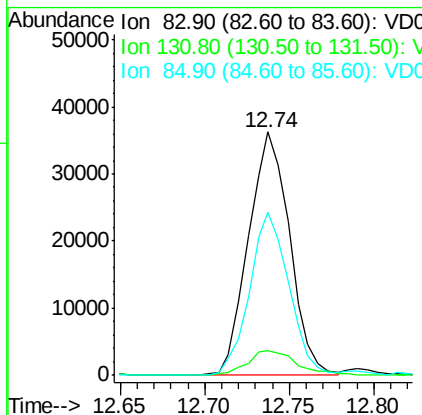
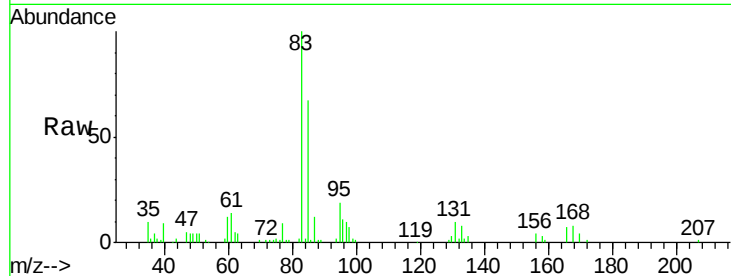
ClientSampleId :

VD0124SBS01

Tot Ion:	83	Resp:	61344
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.5	16.4
85	64.1	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.196 ug/l m

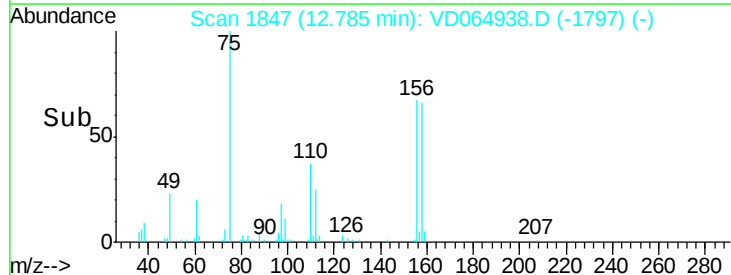
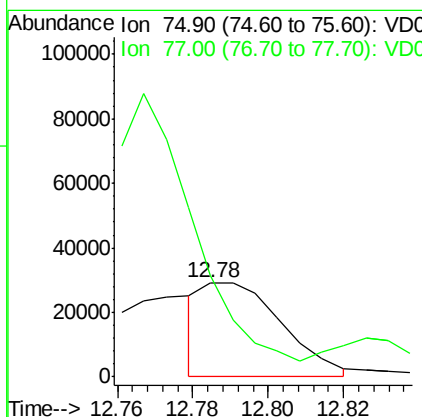
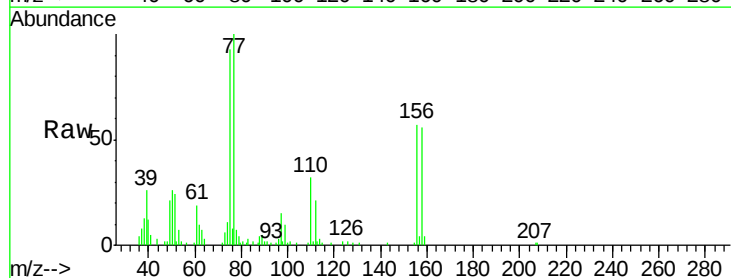
RT: 12.78 min Scan# 1847

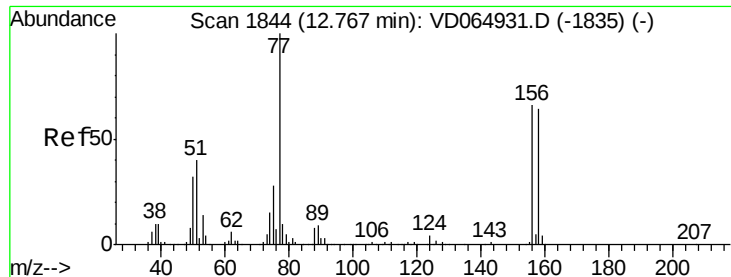
Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Tgt Ion:	75	Resp:	42713
Ion Ratio	Lower	Upper	
75	100		
77	371.5	0.0	0.0#





#77

Bromobenzene

Concen: 20.567 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

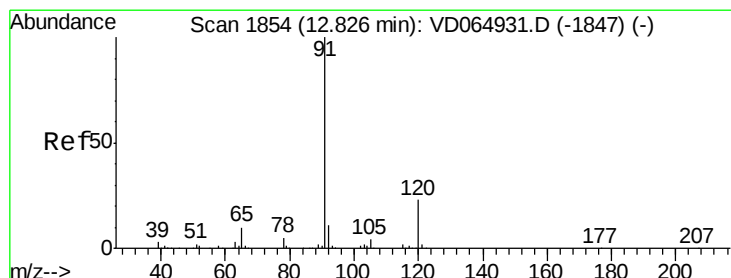
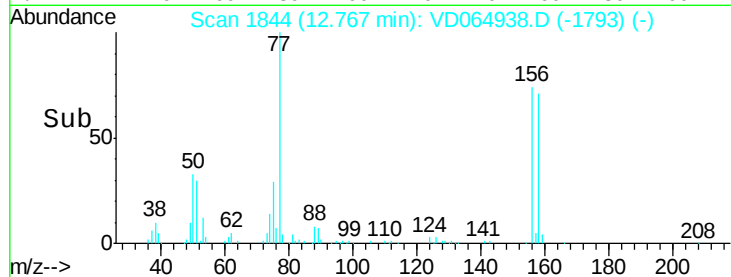
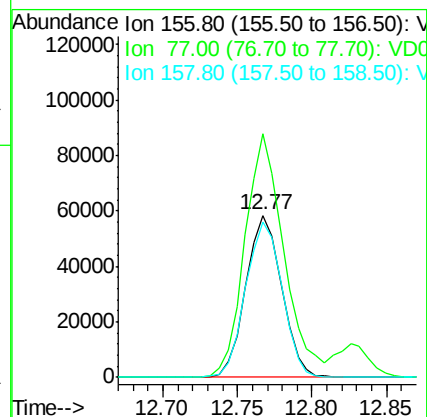
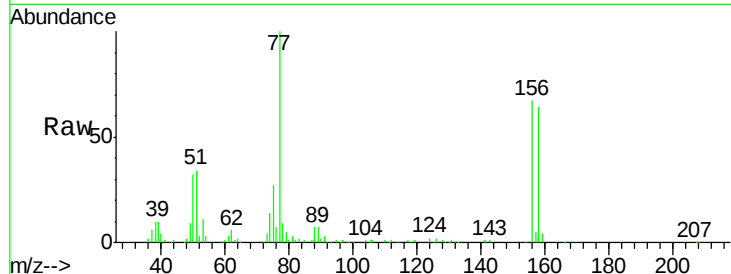
ClientSampleId :

VD0124SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.1	84.2	252.5
158	97.5	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 20.433 ug/l

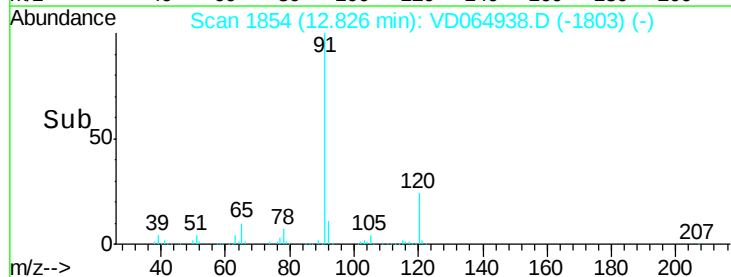
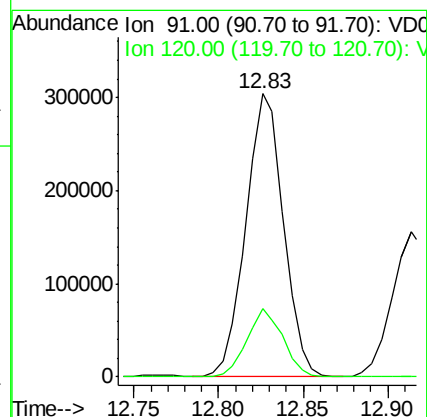
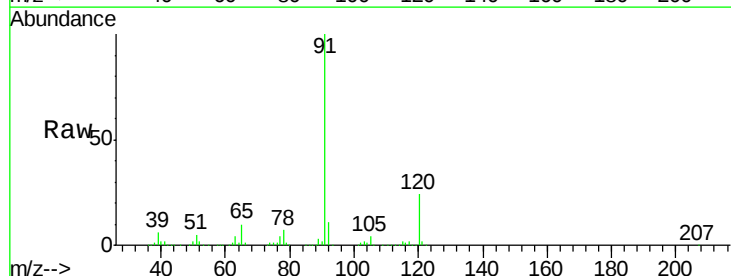
RT: 12.83 min Scan# 1854

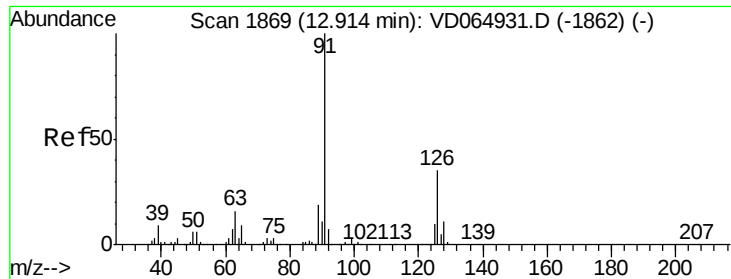
Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.1





#79

2-Chlorotoluene

Concen: 20.338 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion: 91 Resp: 256468

Ion Ratio Lower Upper

91 100

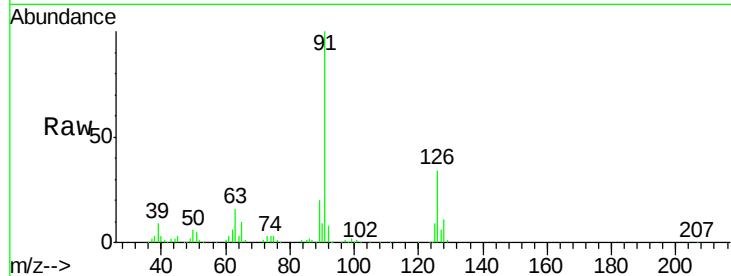
126 35.1 17.9 53.8

Manual Integrations

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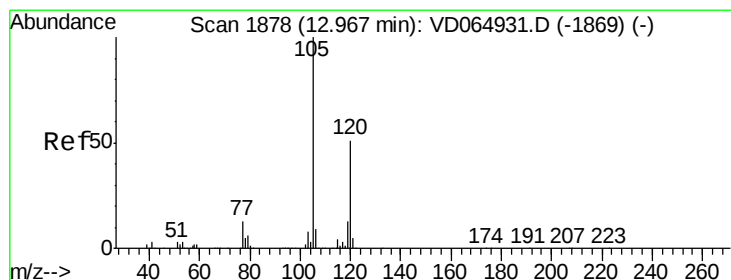
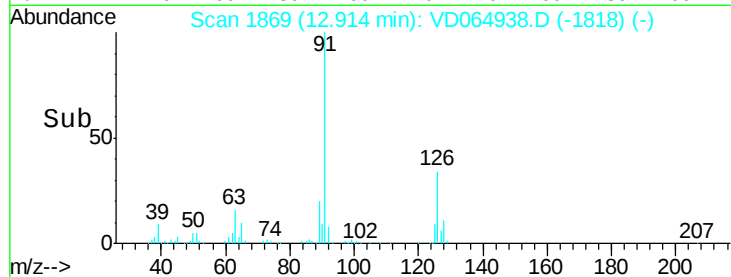
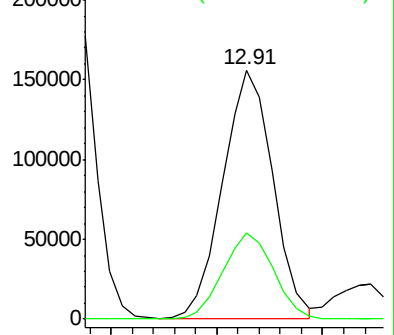
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Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.603 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064938.D

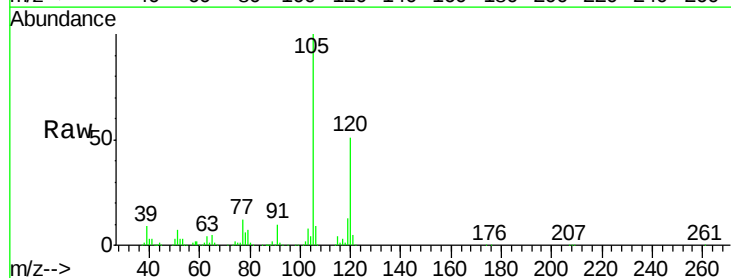
Acq: 24 Jan 2020 12:51

Tgt Ion:105 Resp: 326364

Ion Ratio Lower Upper

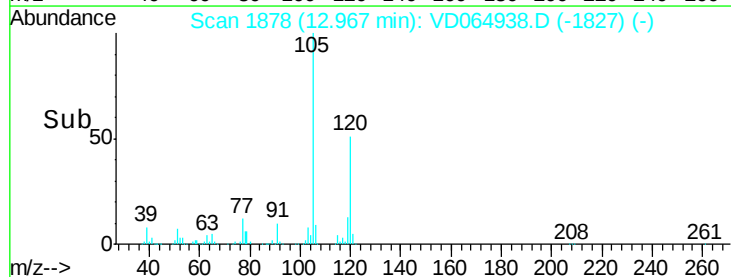
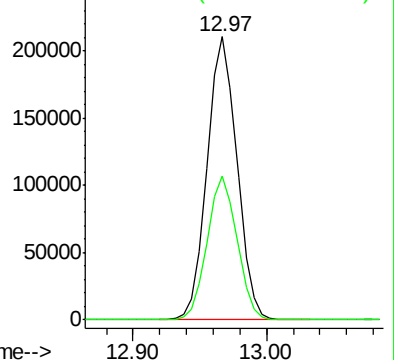
105 100

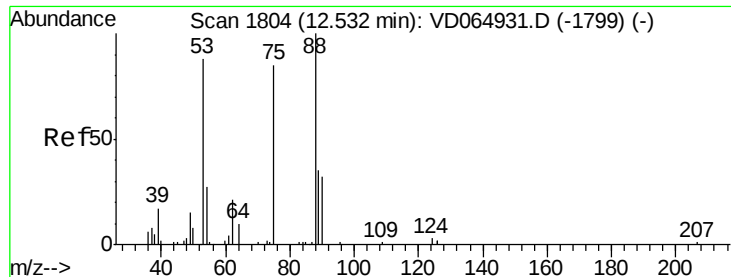
120 50.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.967 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

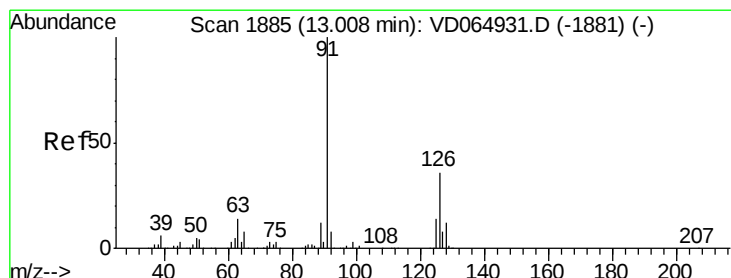
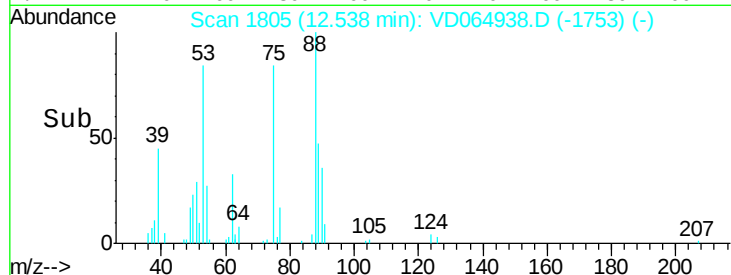
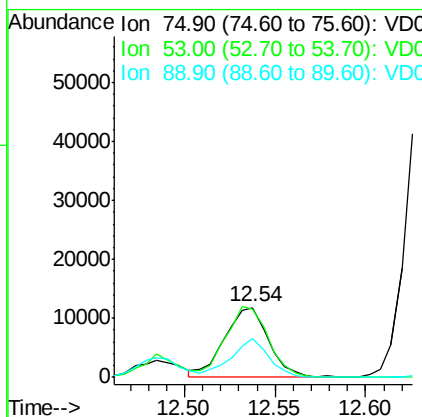
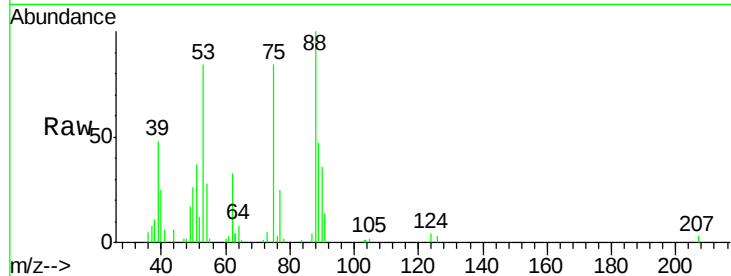
ClientSampleId :

VD0124SBS01

Tot Ion:	75	Resp:	19752
Ion Ratio	Lower	Upper	
75	100		
53	99.2	81.0	121.4
89	48.5	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.103 ug/l

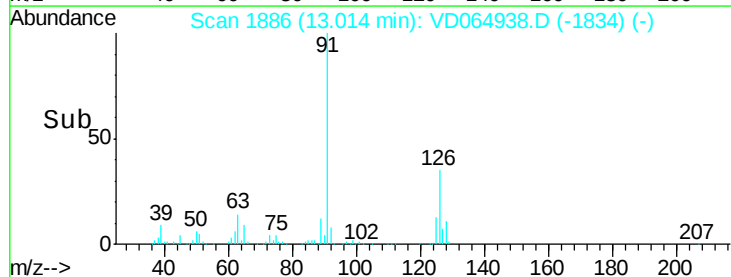
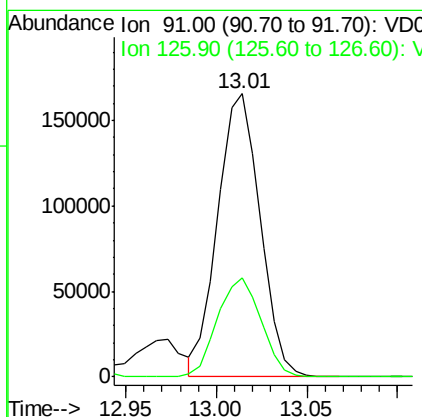
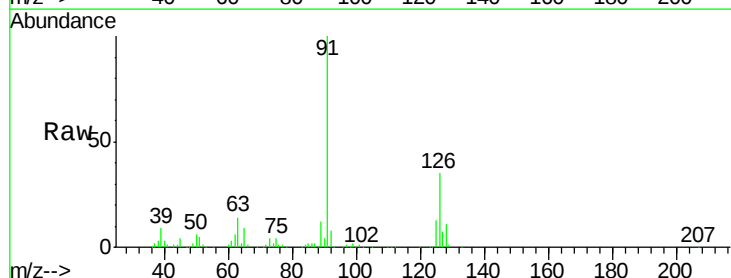
RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Tgt Ion:	91	Resp:	268855
Ion Ratio	Lower	Upper	
91	100		
126	36.0	18.0	54.0





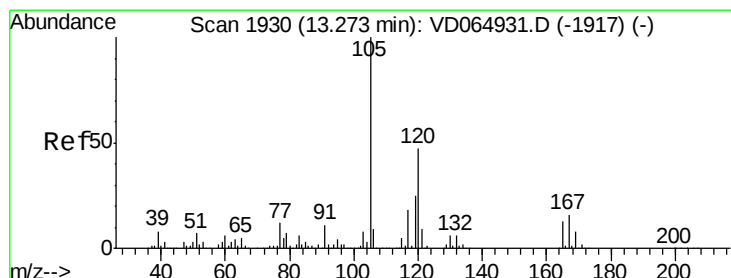
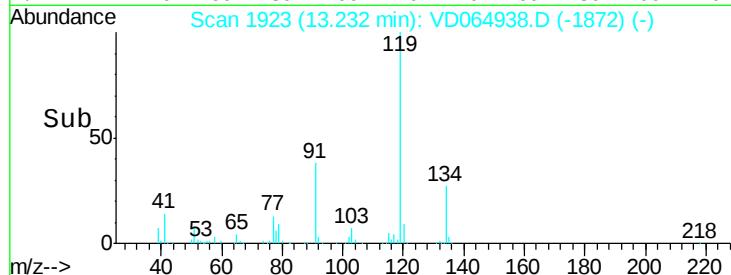
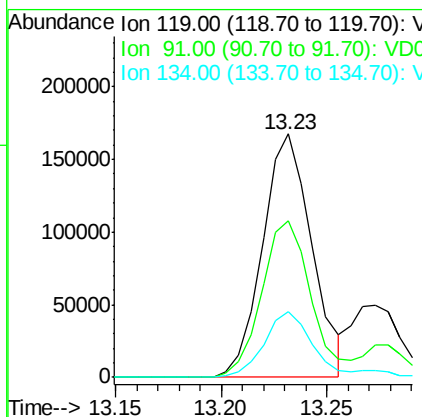
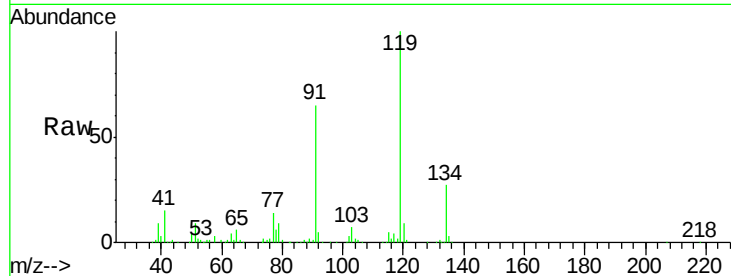
#83
tert-Butylbenzene
Concen: 20.291 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.0	96.0
134	25.8	13.9	41.6

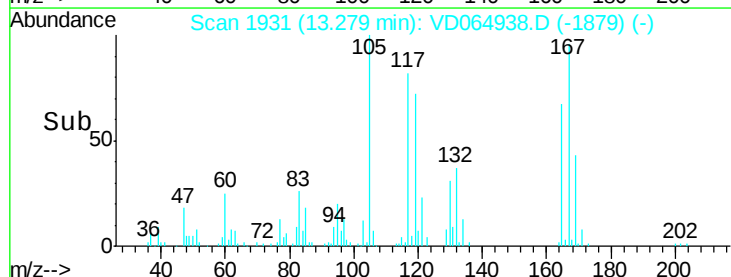
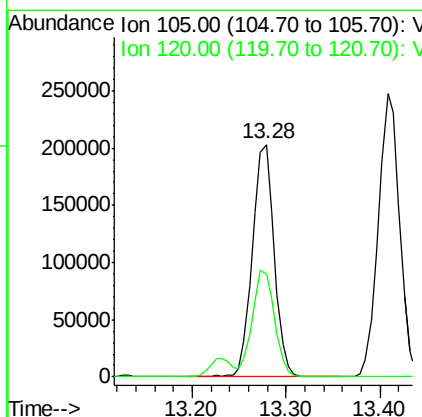
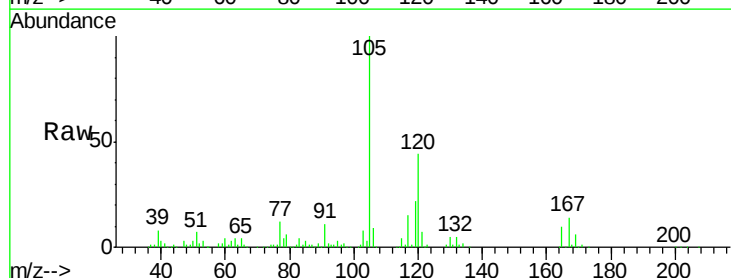
Manual Integrations
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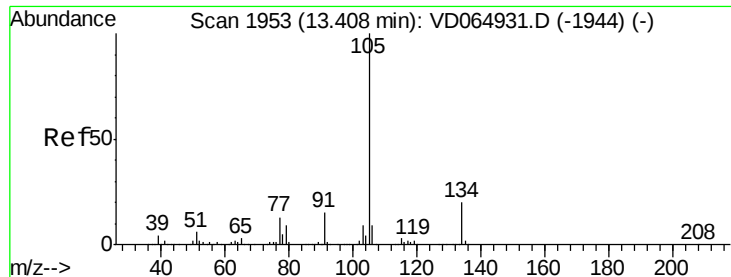
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#84
1,2,4-Trimethylbenzene
Concen: 20.395 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.3





#85

sec-Butylbenzene

Concen: 20.319 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0124SBS01

Tot Ion:105 Resp: 386746

Ion Ratio Lower Upper

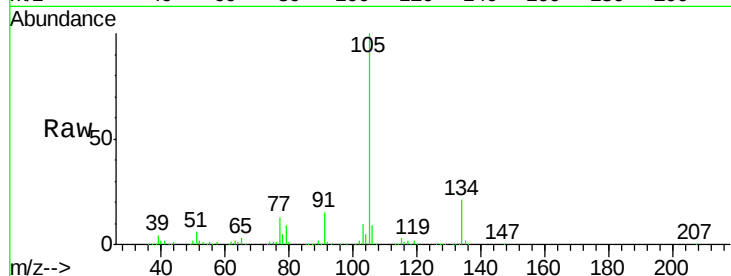
105 100

134 21.0 10.4 31.4

Manual Integrations
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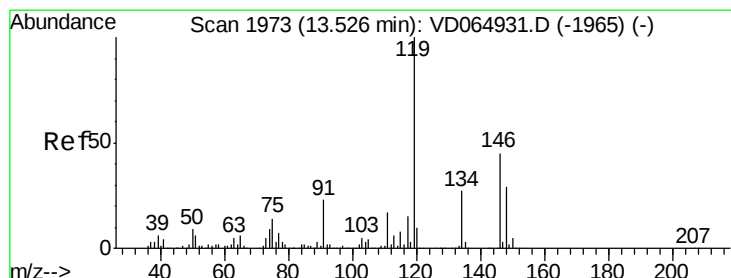
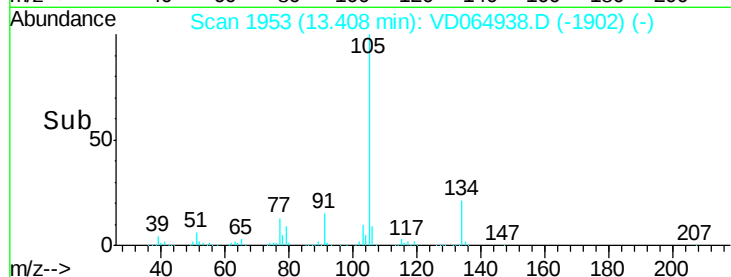
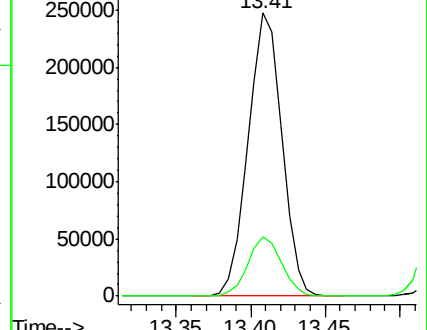
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.392 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

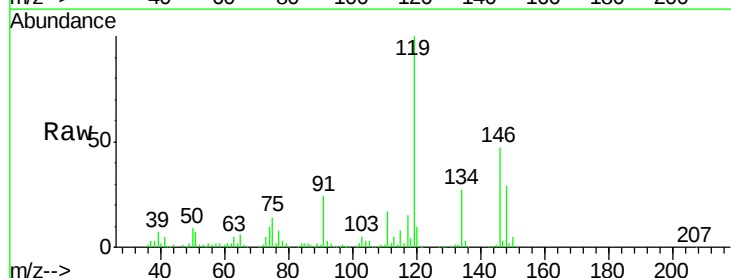
Tgt Ion:119 Resp: 363193

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

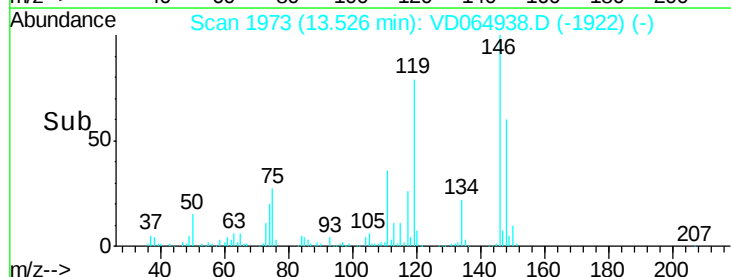
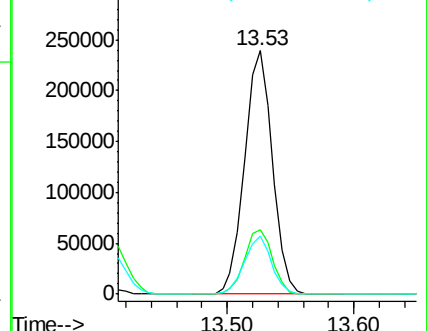
91 23.2 11.4 34.2

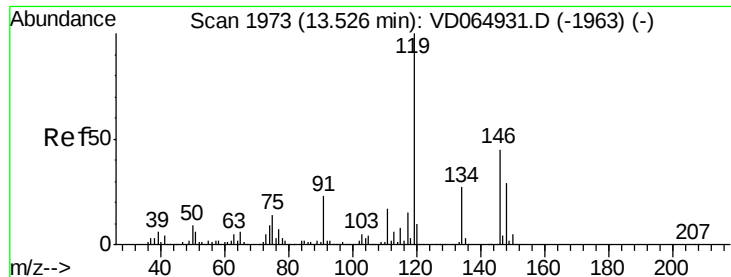


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





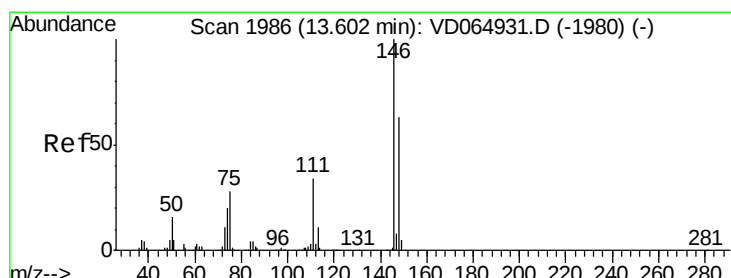
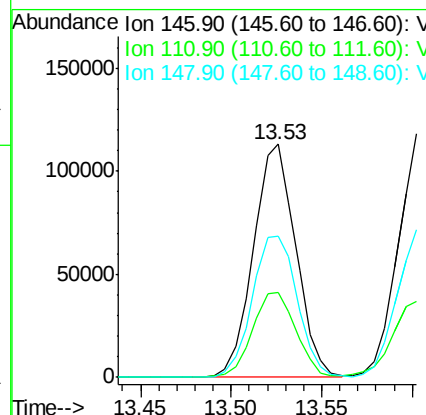
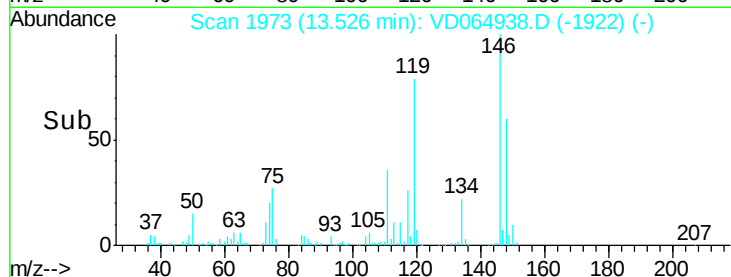
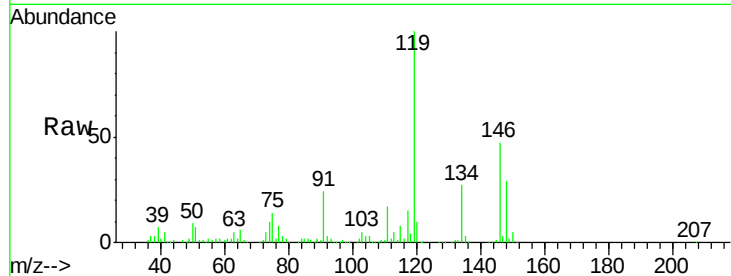
#87
 1,3-Dichlorobenzene
 Concen: 20.224 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0124SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.9
148	64.5	32.6	97.7

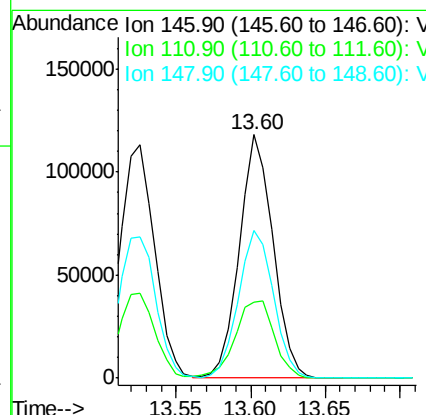
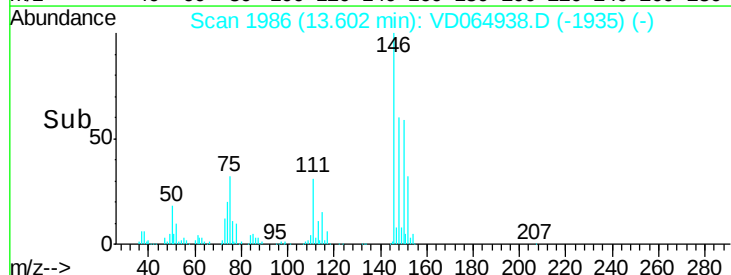
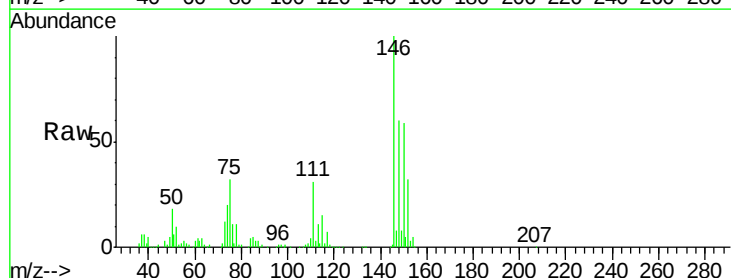
Manual Integrations
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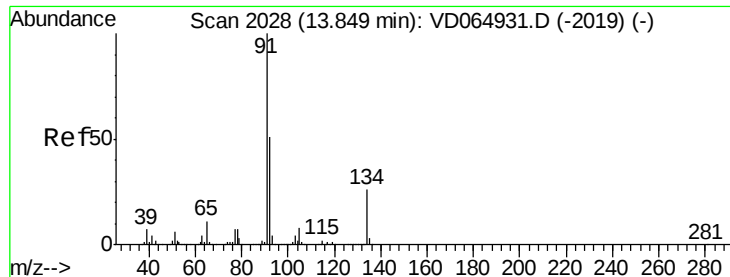
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#88
 1,4-Dichlorobenzene
 Concen: 20.620 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.2	54.6
148	62.9	32.0	96.0





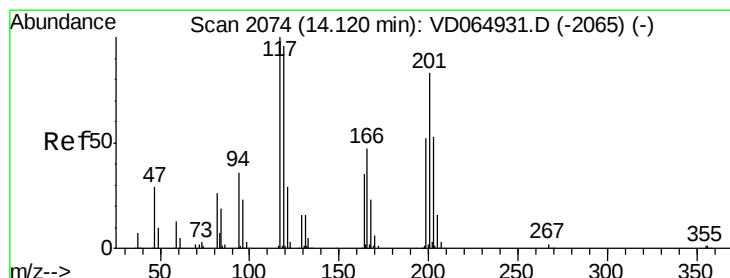
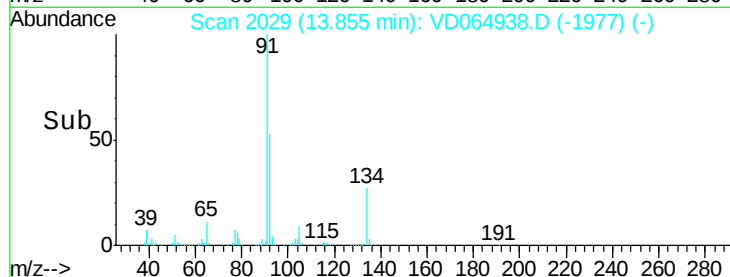
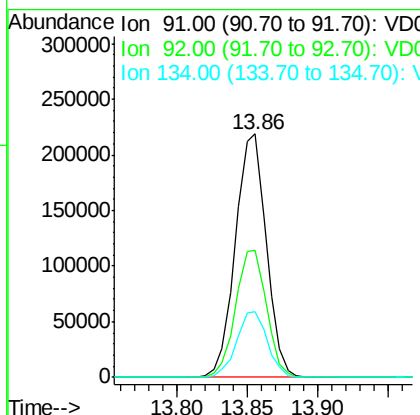
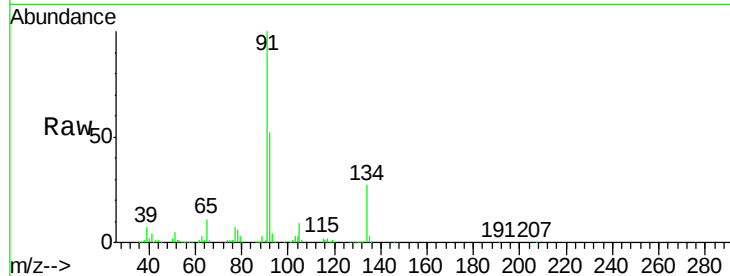
#89
n-Butylbenzene
Concen: 20.548 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.4	79.0
134	26.9	13.3	39.9

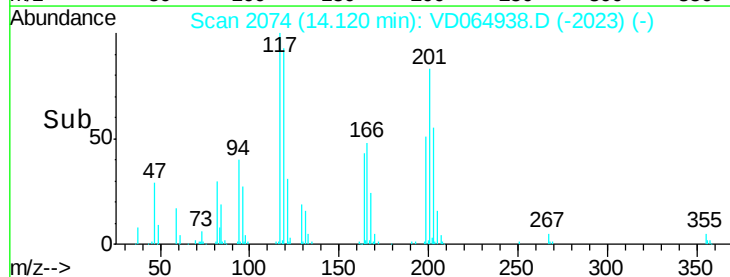
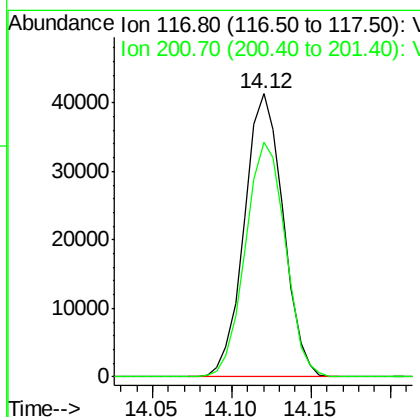
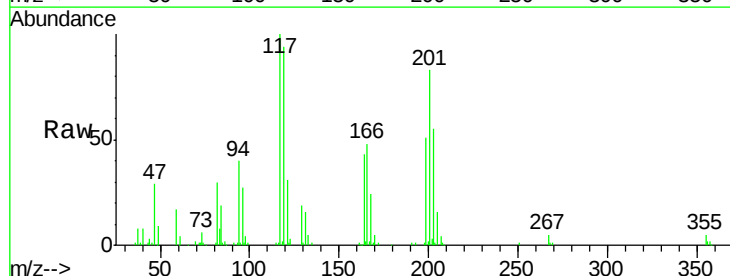
Manual Integrations
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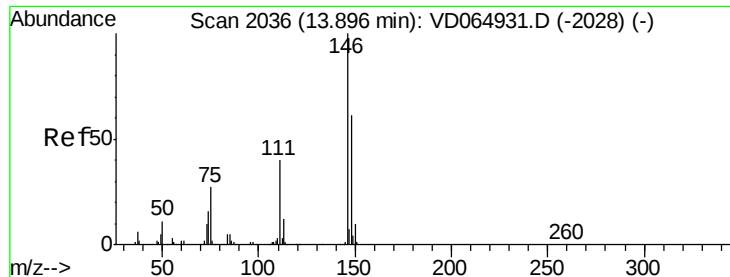
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#90
Hexachloroethane
Concen: 20.484 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	41.1	123.3





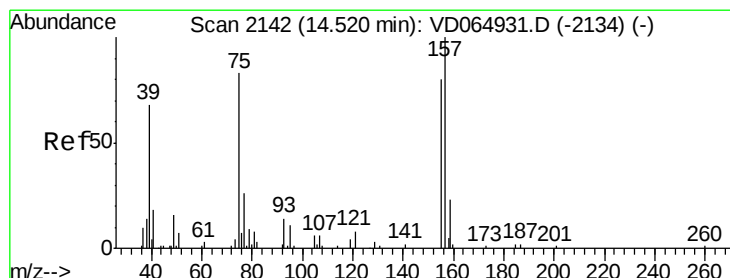
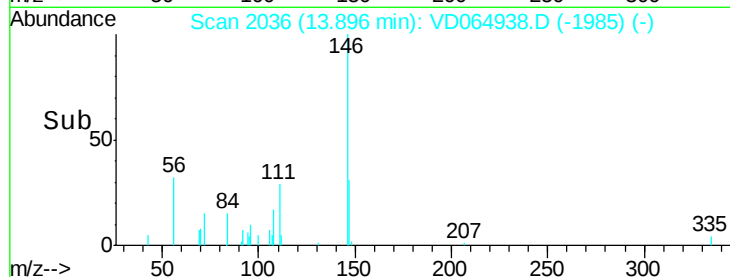
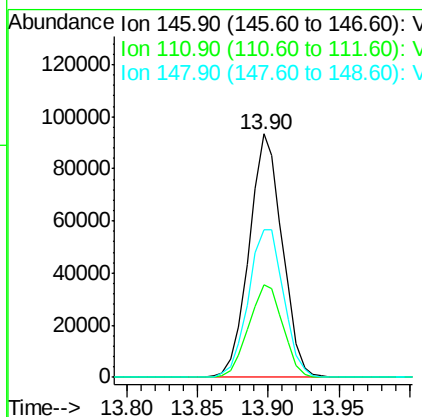
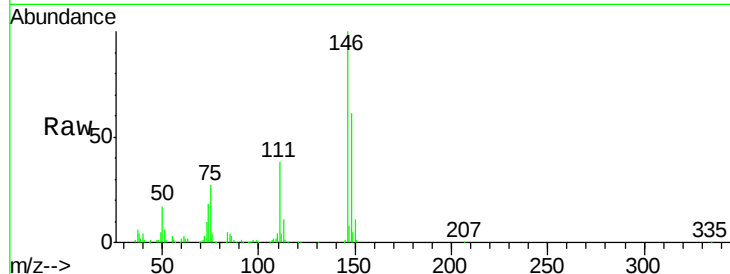
#91
 1,2-Dichlorobenzene
 Concen: 19.964 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0124SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	64.9	31.6	95.0

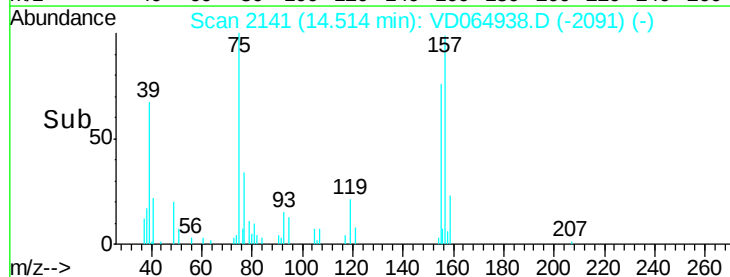
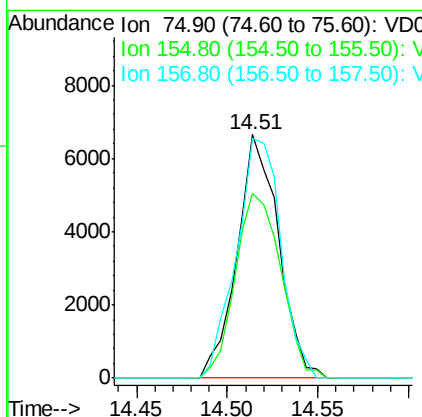
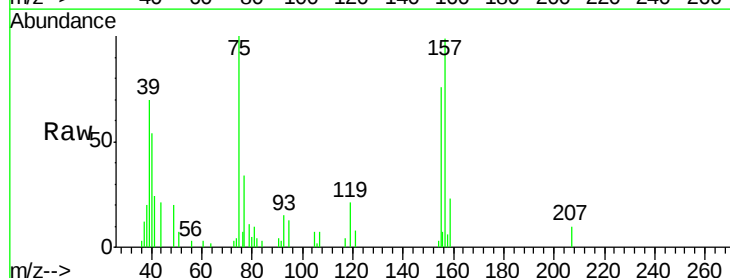
Manual Integrations
 APPROVED

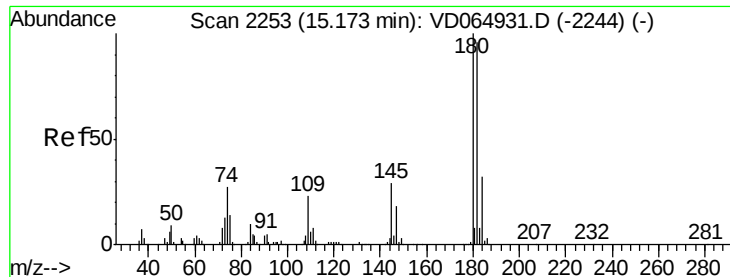
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.354 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	44.9	134.7
157	105.4	58.9	176.6





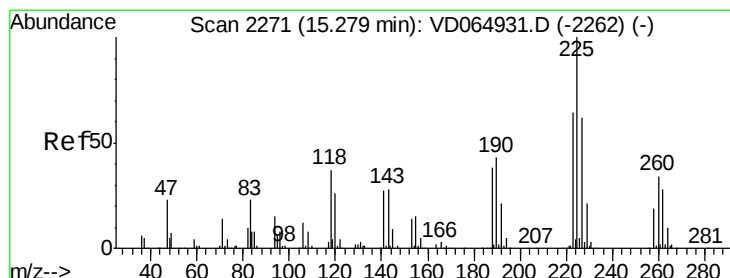
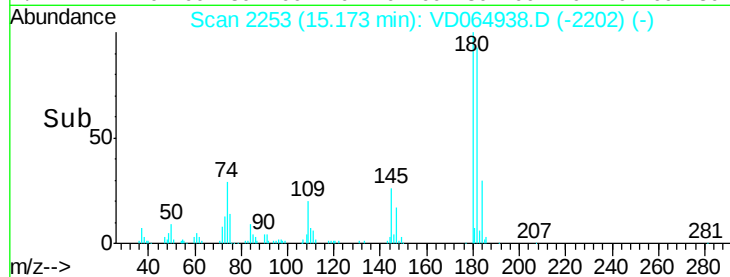
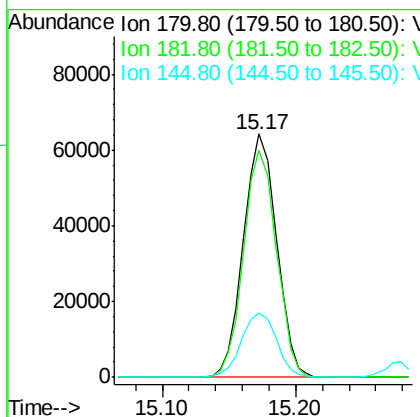
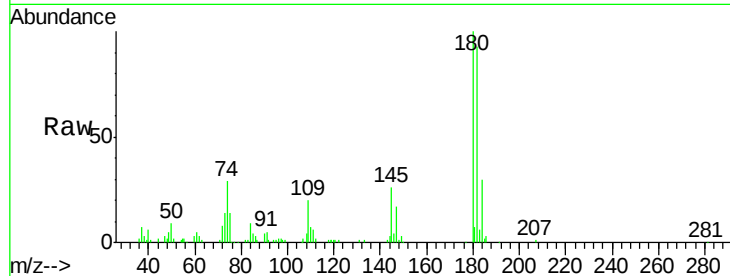
#93
 1,2,4-Trichlorobenzene
 Concen: 20.767 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0124SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.3	47.1	141.4	
145	27.9	14.1	42.3	

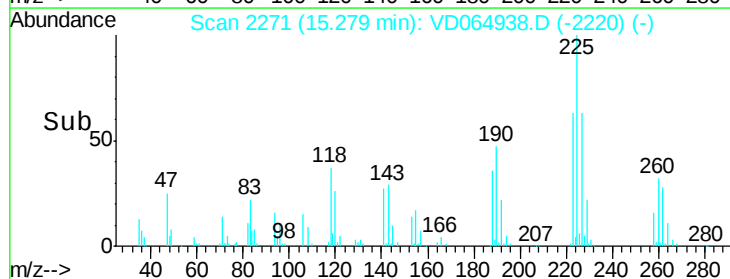
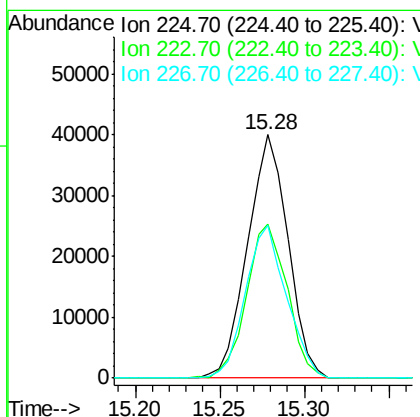
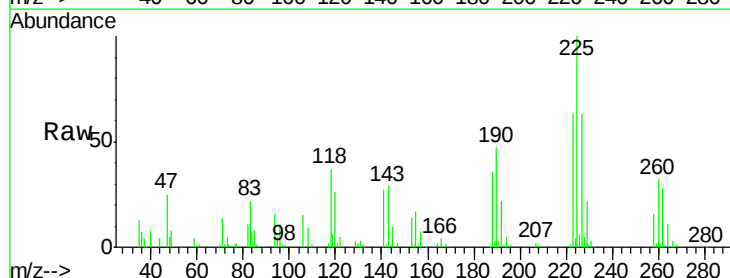
Manual Integrations
 APPROVED

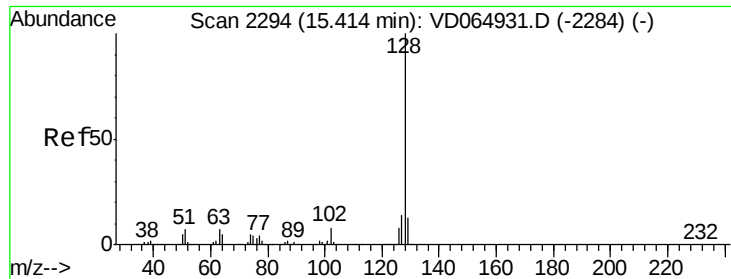
MMDadoda
 1/27/2020 12:03:07 PM



#94
 Hexachlorobutadiene
 Concen: 19.788 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

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





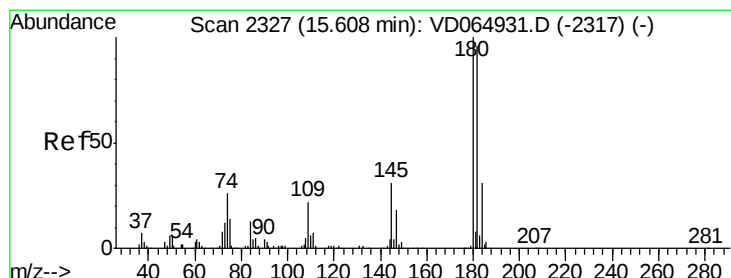
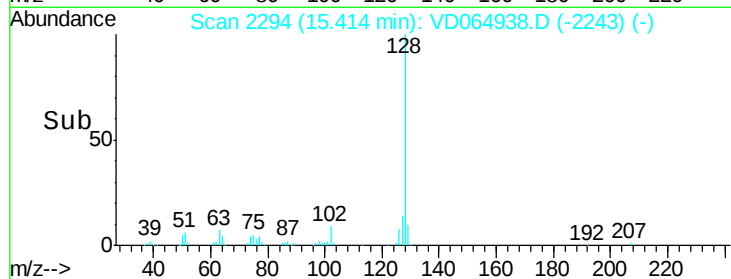
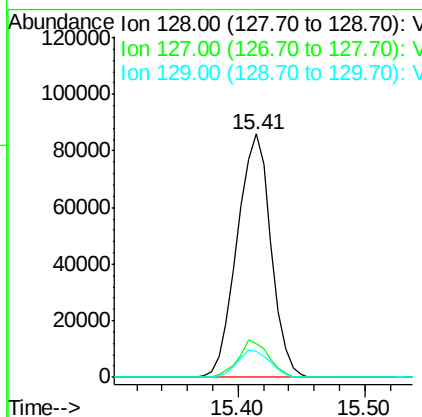
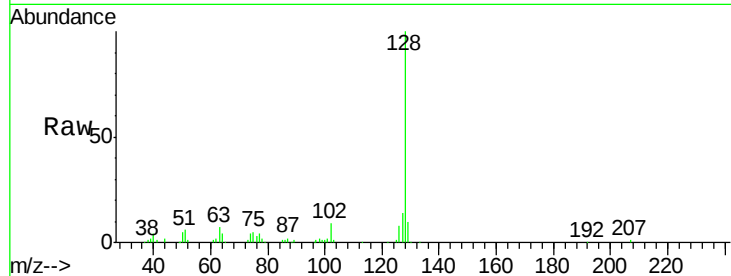
#95
Naphthalene
Concen: 18.495 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0124SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	159080		
127	13.9		10.6	15.8
129	10.9		9.3	13.9

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:03:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.637 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90742		
182	94.6		47.3	141.8
145	31.6		14.6	43.8

