

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012220\
 Data File : VD064926.D
 Acq On : 22 Jan 2020 19:29
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 11:13:45 AM

Quant Time: Jan 23 00:30:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	382827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	563006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	518426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	261539	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	195547	57.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.86%	
35) Dibromofluoromethane	7.92	113	187898	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	
50) Toluene-d8	10.34	98	686050	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.64	95	229417	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	115485	38.817	ug/l	97
3) Chloromethane	2.21	50	189514	45.547	ug/l	99
4) Vinyl Chloride	2.35	62	221766	43.713	ug/l	94
5) Bromomethane	2.76	94	151585	41.094	ug/l	94
6) Chloroethane	2.92	64	158019	46.485	ug/l	97
7) Trichlorofluoromethane	3.27	101	373210	43.690	ug/l	100
8) Diethyl Ether	3.71	74	95674	56.402	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	180471	51.014	ug/l	97
10) Methyl Iodide	4.30	142	183581	48.310	ug/l	100
11) Tert butyl alcohol	5.24	59	63638	328.940	ug/l	99
12) 1,1-Dichloroethene	4.06	96	160647	47.697	ug/l	99
13) Acrolein	3.92	56	67551	250.540	ug/l	98
14) Allyl chloride	4.71	41	282072	53.715	ug/l	99
15) Acrylonitrile	5.43	53	236411	334.592	ug/l	99
16) Acetone	4.16	43	197508	281.751	ug/l	97
17) Carbon Disulfide	4.40	76	450249	41.343	ug/l	99
18) Methyl Acetate	4.73	43	122773	64.600	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	463168	61.913	ug/l	97
20) Methylene Chloride	4.96	84	205547	60.570	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	195226	50.897	ug/l	98
22) Diisopropyl ether	6.37	45	633640	60.496	ug/l	98
23) Vinyl Acetate	6.31	43	1902433	320.194	ug/l	100
24) 1,1-Dichloroethane	6.27	63	357587	56.869	ug/l	98
25) 2-Butanone	7.23	43	300444	323.787	ug/l	95
26) 2,2-Dichloropropane	7.21	77	313982	53.707	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	226396	54.690	ug/l	97
28) Bromochloromethane	7.55	49	148145	60.609	ug/l	99
29) Tetrahydrofuran	7.57	42	191471	331.815	ug/l	98
30) Chloroform	7.71	83	378900	57.435	ug/l	99
31) Cyclohexane	7.99	56	284528	45.205	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	336273	54.269	ug/l	99
36) 1,1-Dichloropropene	8.11	75	277931	51.289	ug/l	98
37) Ethyl Acetate	7.30	43	140782	66.131	ug/l	99
38) Carbon Tetrachloride	8.10	117	301468	52.174	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	307115	46.793	ug/l	97
40) Benzene	8.36	78	793510	53.641	ug/l	99
41) Methacrylonitrile	7.53	41	74874	60.619	ug/l	91
42) 1,2-Dichloroethane	8.43	62	255431	59.752	ug/l	97
43) Isopropyl Acetate	8.46	43	267060	63.027	ug/l	100
44) Trichloroethene	9.12	130	220345	50.704	ug/l	96
45) 1,2-Dichloropropane	9.39	63	204738	57.966	ug/l	96
46) Dibromomethane	9.48	93	117283	59.558	ug/l	99
47) Bromodichloromethane	9.67	83	307538	58.690	ug/l	98
48) Methyl methacrylate	9.46	41	128070	64.191	ug/l	97
49) 1,4-Dioxane	9.47	88	30095	1325.388	ug/l	99
51) 4-Methyl-2-Pentanone	10.24	43	701917	335.142	ug/l	99
52) Toluene	10.41	92	522468	53.833	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	291911	59.752	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	330545	57.381	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	158464	59.711	ug/l	97
56) Ethyl methacrylate	10.67	69	207904	62.728	ug/l	97
57) 1,3-Dichloropropane	10.95	76	279858	61.246	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	353557	279.992	ug/l	99
59) 2-Hexanone	10.99	43	478981	336.954	ug/l	99
60) Dibromochloromethane	11.14	129	218621	59.570	ug/l	100
61) 1,2-Dibromoethane	11.25	107	152057	58.091	ug/l	98
64) Tetrachloroethene	10.88	164	186618	46.921	ug/l	99
65) Chlorobenzene	11.68	112	561715	52.205	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	227665	56.126	ug/l	98
67) Ethyl Benzene	11.75	91	1000899	51.250	ug/l	100
68) m/p-Xylenes	11.86	106	776743	103.042	ug/l	98
69) o-Xylene	12.18	106	354350	52.043	ug/l	99
70) Styrene	12.20	104	652906	54.630	ug/l	99
71) Bromoform	12.37	173	132255	57.174	ug/l #	100
73) Isopropylbenzene	12.48	105	951451	50.907	ug/l	100
74) N-amyl acetate	12.30	43	243654	60.985	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	176354	60.065	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	118965m	57.603	ug/l	
77) Bromobenzene	12.77	156	241393	52.563	ug/l	96
78) n-propylbenzene	12.83	91	1126739	51.675	ug/l	98
79) 2-Chlorotoluene	12.91	91	628358	52.459	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	787583	51.298	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	59916	60.676	ug/l	98
82) 4-Chlorotoluene	13.01	91	666886	52.317	ug/l	100
83) tert-Butylbenzene	13.23	119	672012	50.412	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	796125	52.066	ug/l	99
85) sec-Butylbenzene	13.41	105	930203	50.900	ug/l	99
86) p-Isopropyltoluene	13.53	119	873062	49.962	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	464862	53.098	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	444174	51.646	ug/l	99
89) n-Butylbenzene	13.86	91	792848	50.383	ug/l	99
90) Hexachloroethane	14.12	117	169439	50.761	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	396773	53.150	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28691	60.279	ug/l	91

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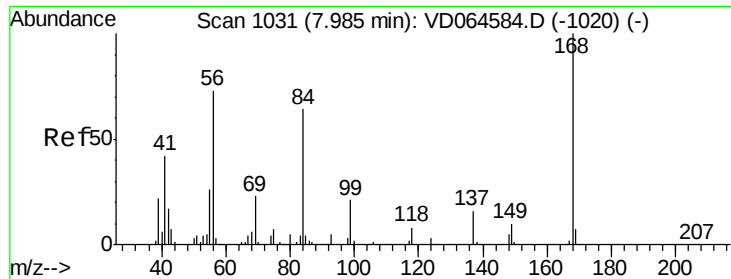
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278426	50.653	ug/l	99
94) Hexachlorobutadiene	15.28	225	163349	47.225	ug/l	98
95) Naphthalene	15.41	128	491422	56.512	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	247509	52.745	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 382827

Ion Ratio Lower Upper

168 100

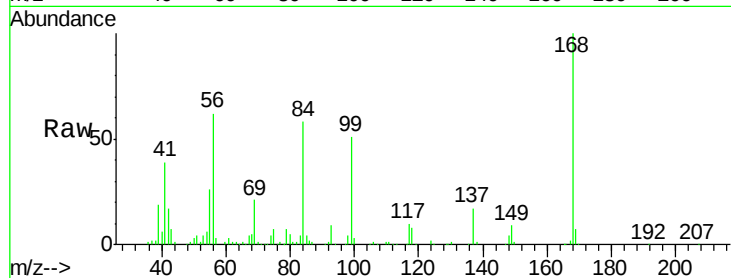
99 50.2 41.8 62.6

Manual Integrations

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1/23/2020 11:13:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

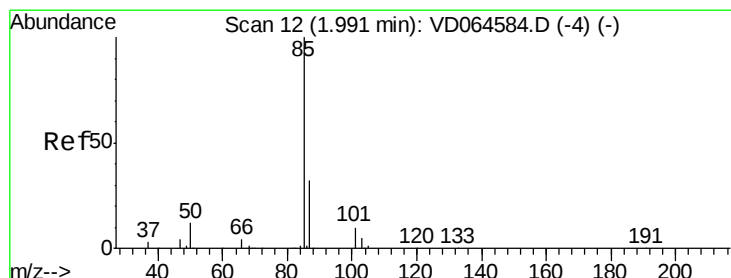
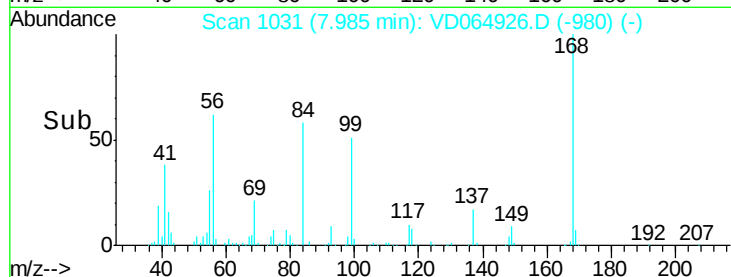
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 38.817 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064926.D

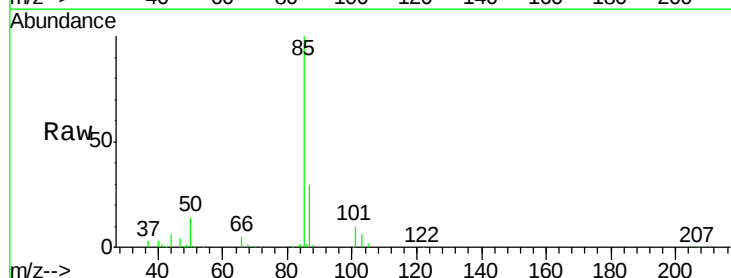
Acq: 22 Jan 2020 19:29

Tgt Ion: 85 Resp: 115485

Ion Ratio Lower Upper

85 100

87 30.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

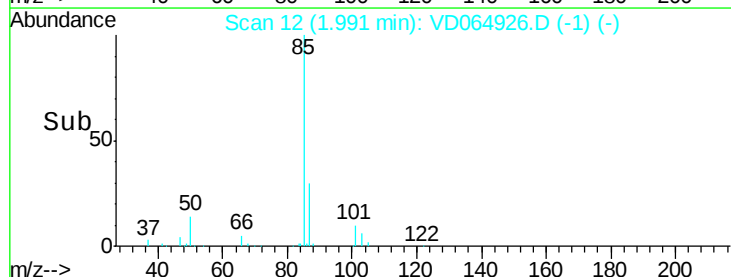
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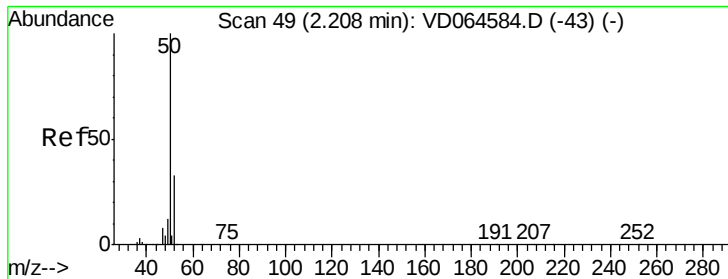
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 45.547 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 189514

Ion Ratio Lower Upper

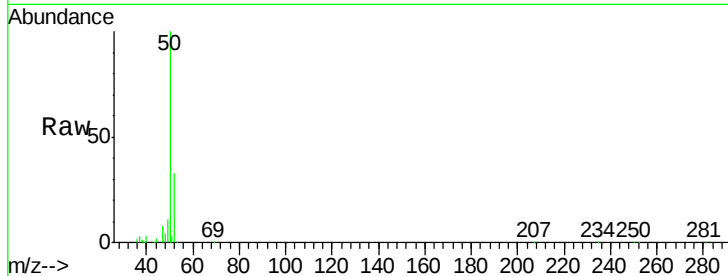
50 100

52 32.5 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

150000

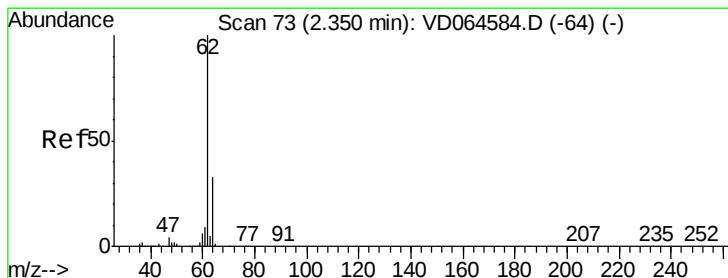
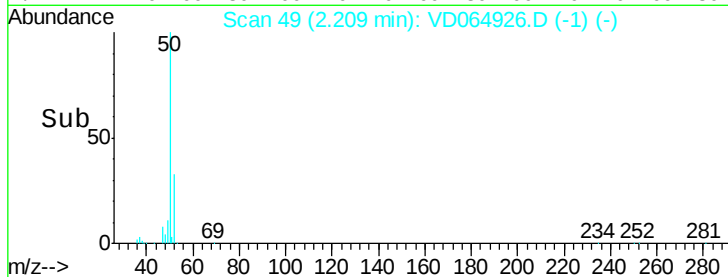
100000

50000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 43.713 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064926.D

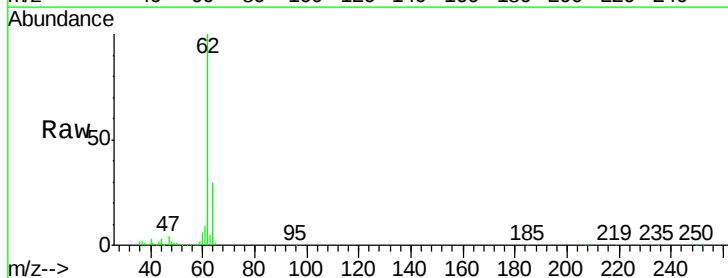
Acq: 22 Jan 2020 19:29

Tgt Ion: 62 Resp: 221766

Ion Ratio Lower Upper

62 100

64 30.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

150000

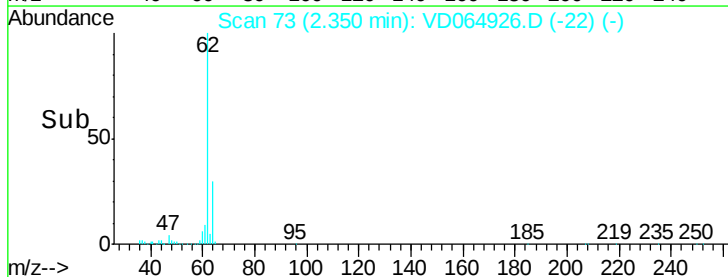
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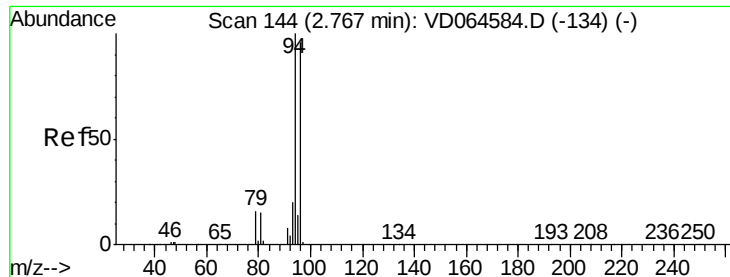
50000

0

2.25 2.30 2.35 2.40 2.45

Time-->





#5

Bromomethane

Concen: 41.094 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 151585

Ion Ratio Lower Upper

94 100

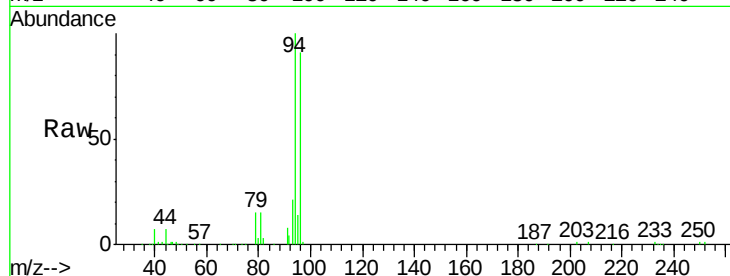
96 91.1 77.2 115.8

Manual Integrations

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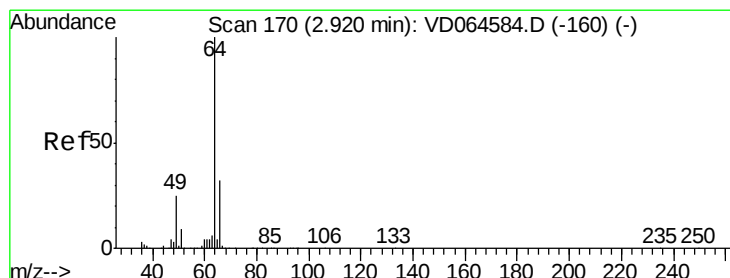
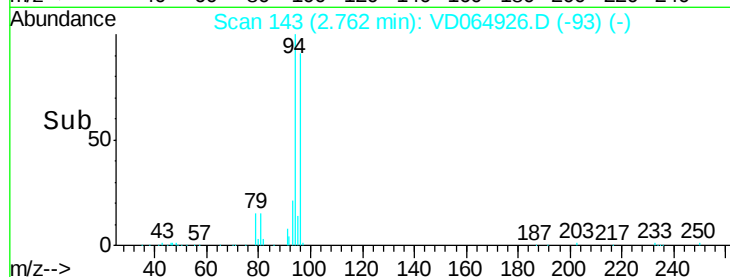
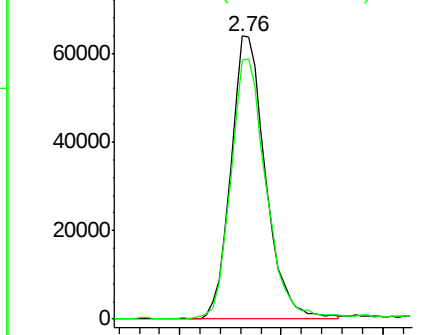
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1/23/2020 11:13:45 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.485 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064926.D

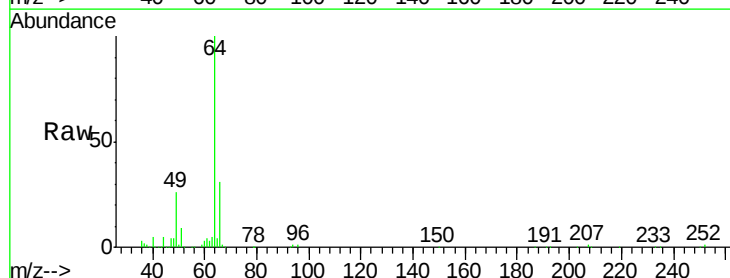
Acq: 22 Jan 2020 19:29

Tgt Ion: 64 Resp: 158019

Ion Ratio Lower Upper

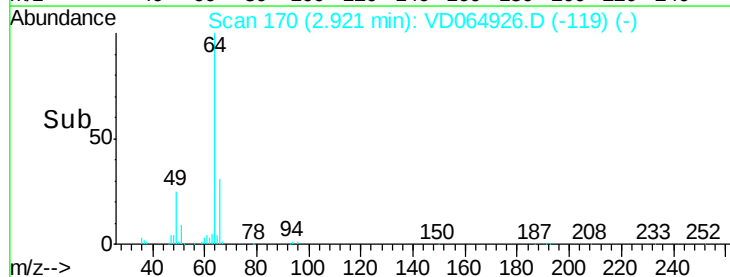
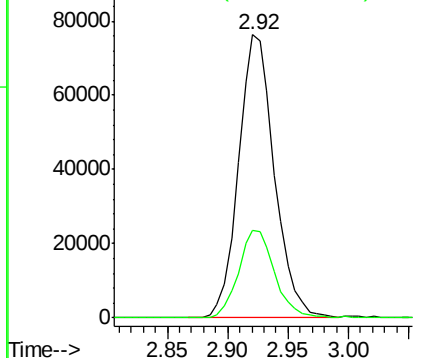
64 100

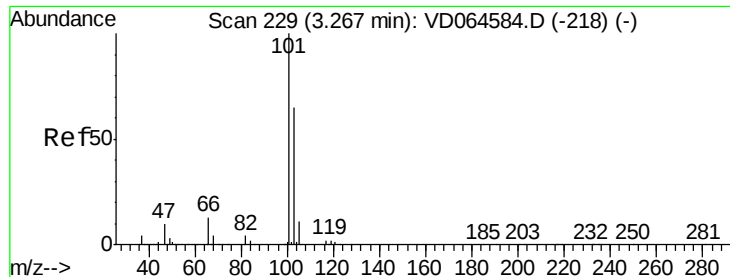
66 30.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

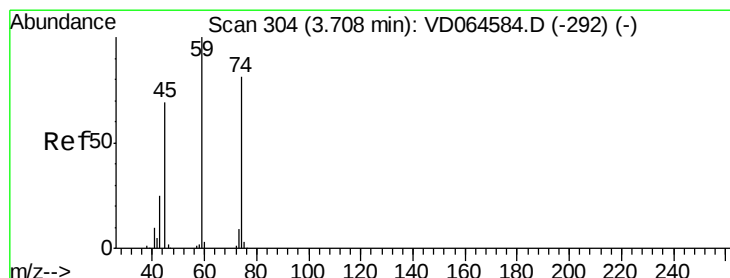
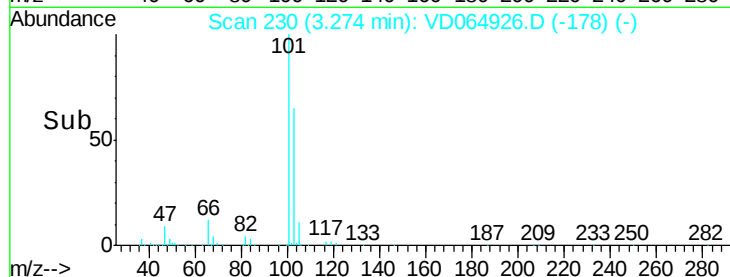
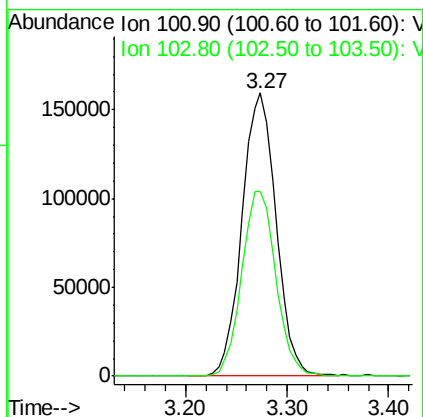
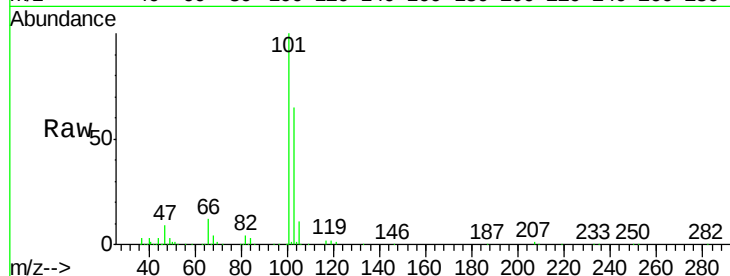
Trichlorofluoromethane
 Concen: 43.690 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.4

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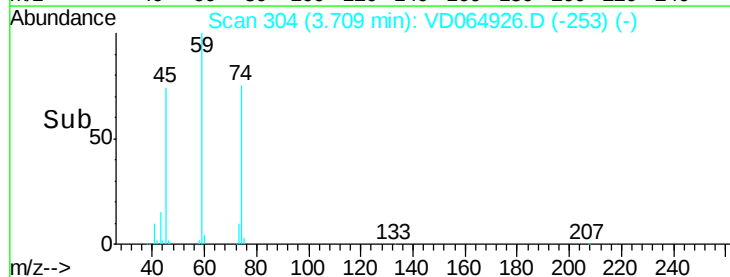
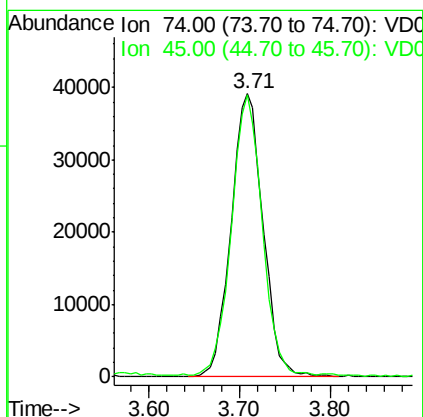
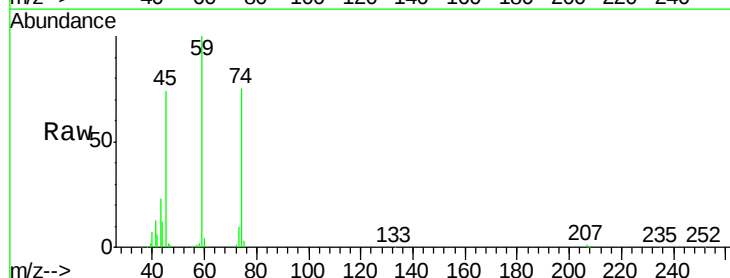
MMDadoda
 1/23/2020 11:13:45 AM

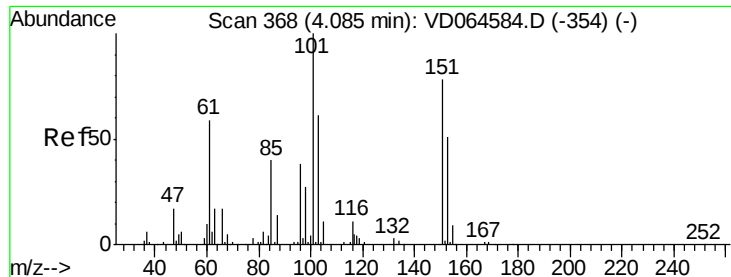


#8

Diethyl Ether
 Concen: 56.402 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.014 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

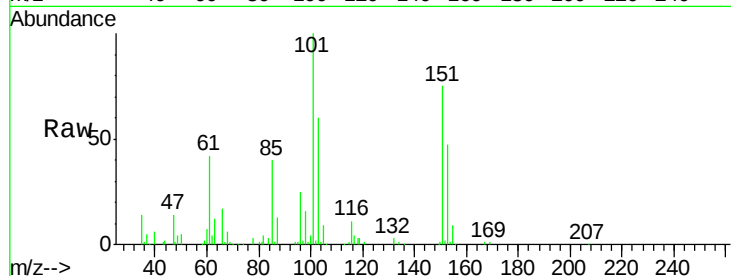
ClientSampleId :

VSTDCCC050EC

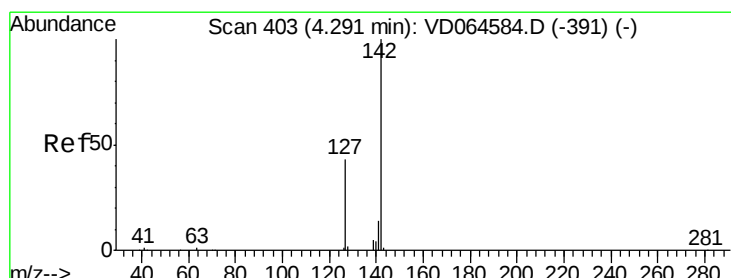
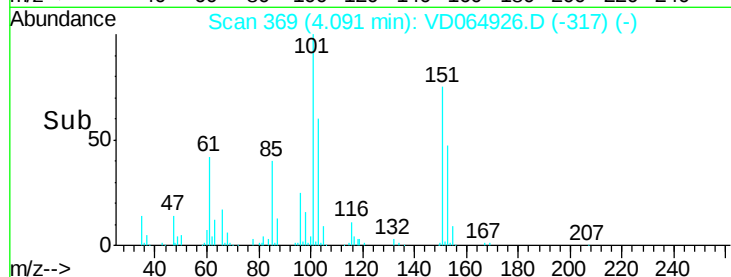
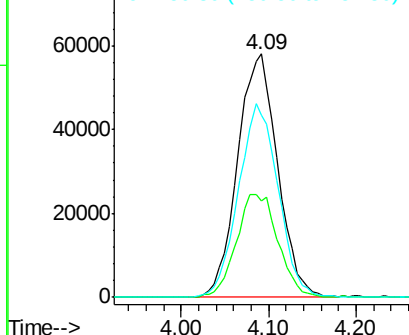
Tot Ion:	101	Resp:	180471
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.2	52.8
151	79.1	66.2	99.4

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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: 48.310 ug/l

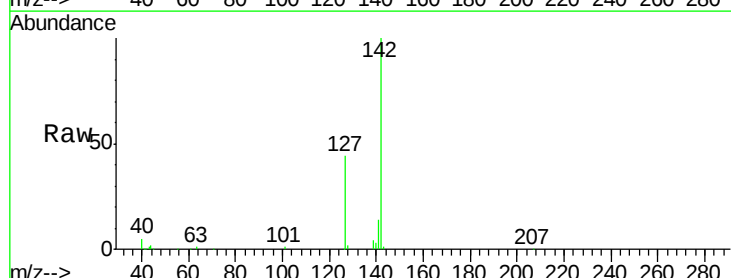
RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

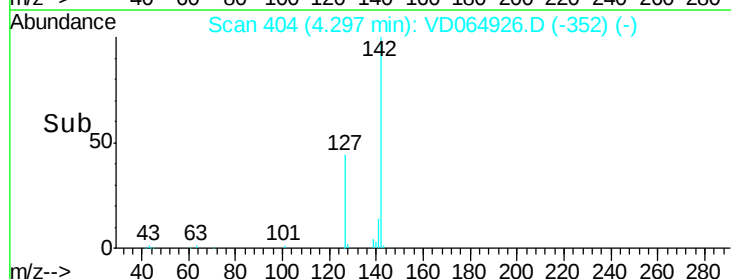
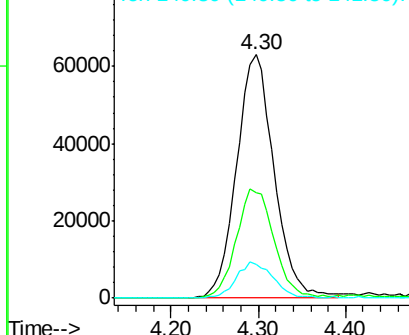
Lab File: VD064926.D

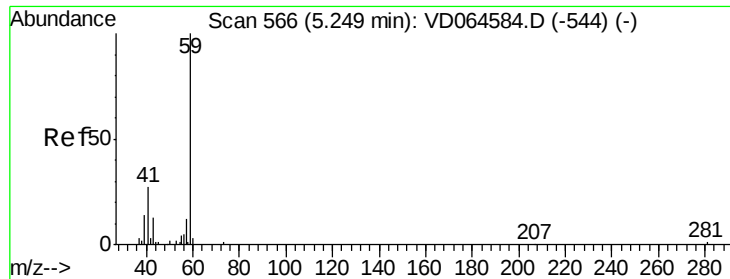
Acq: 22 Jan 2020 19:29

Tgt Ion:	142	Resp:	183581
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.2	54.4
141	14.6	11.8	17.8



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





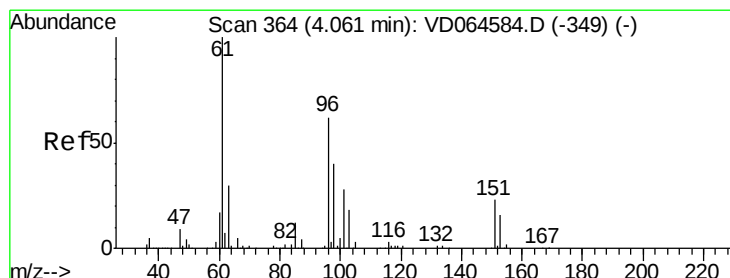
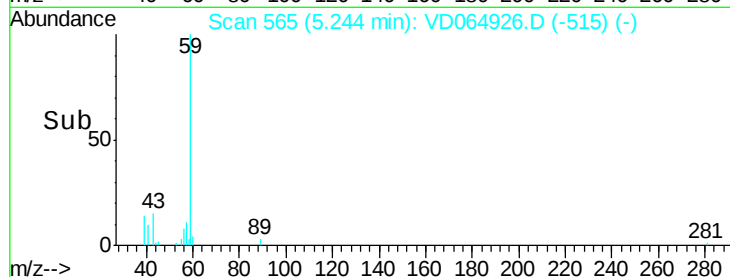
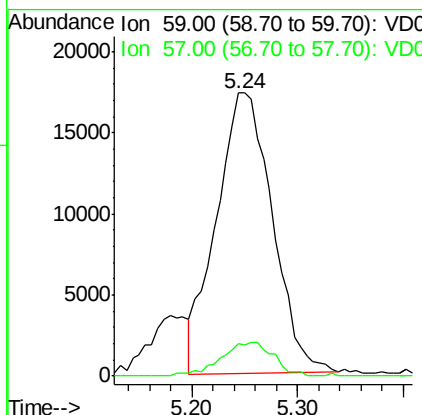
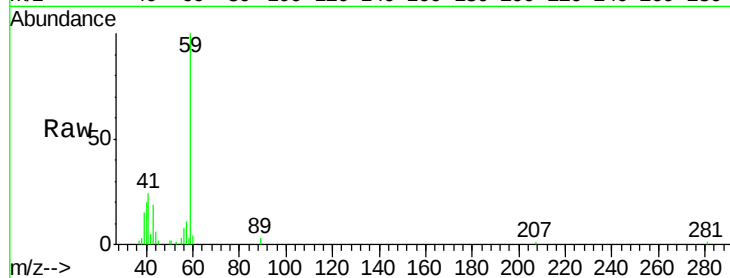
#11
Tert butyl alcohol
Concen: 328.940 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.3	13.9

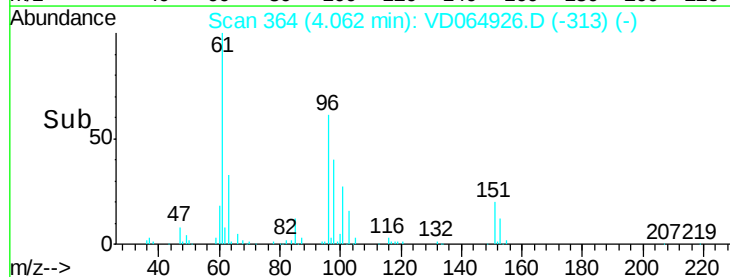
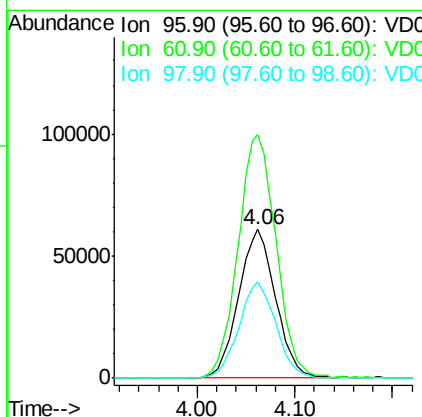
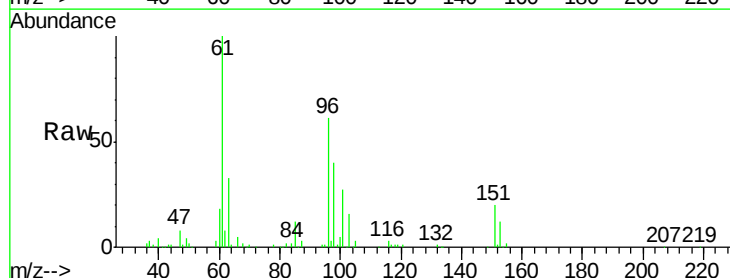
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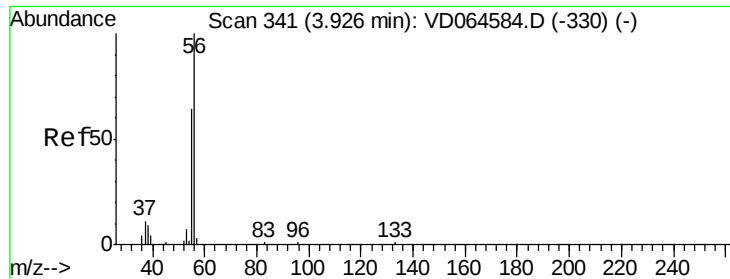
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.697 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.6	129.4	194.0
98	65.1	51.4	77.0





#13

Acrolein

Concen: 250.540 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 67551

Ion Ratio Lower Upper

56 100

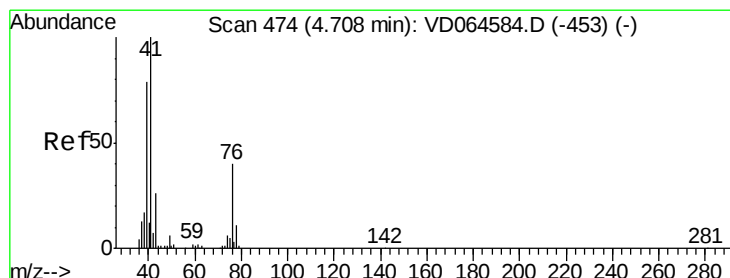
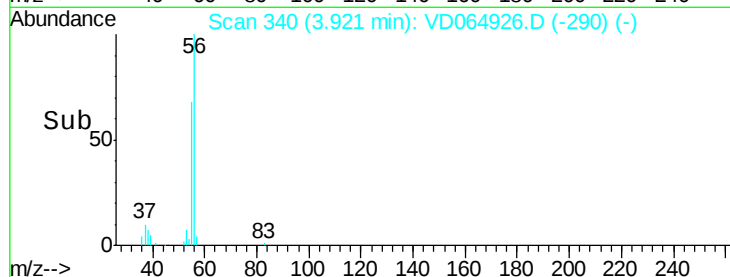
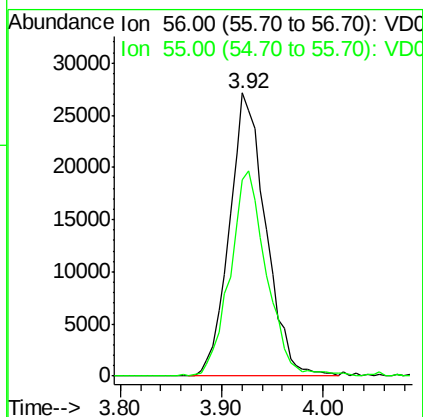
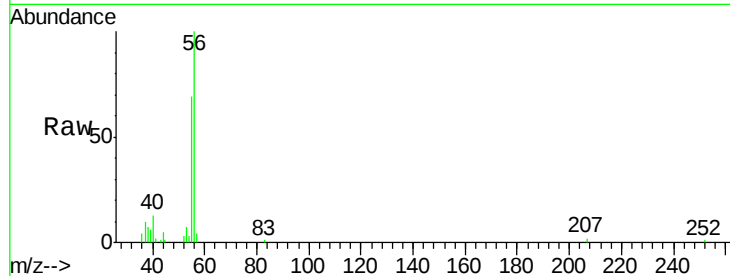
55 72.9 56.7 85.1

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#14

Allyl chloride

Concen: 53.715 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

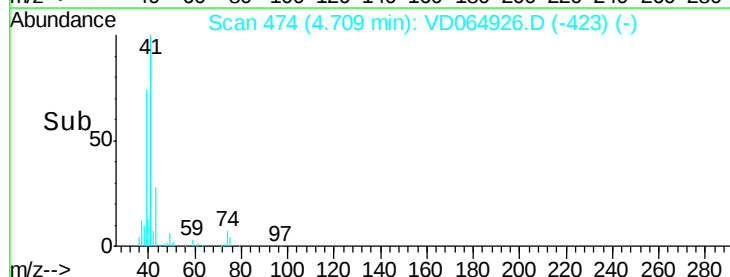
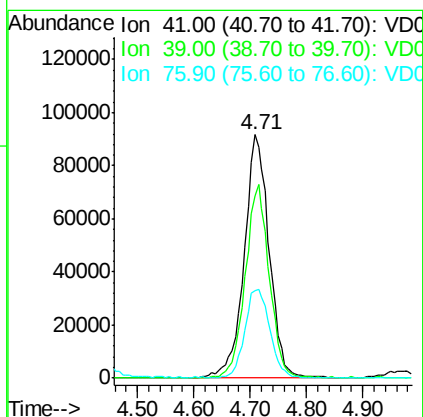
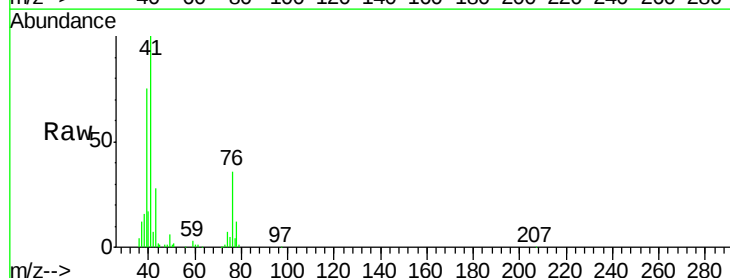
Tgt Ion: 41 Resp: 282072

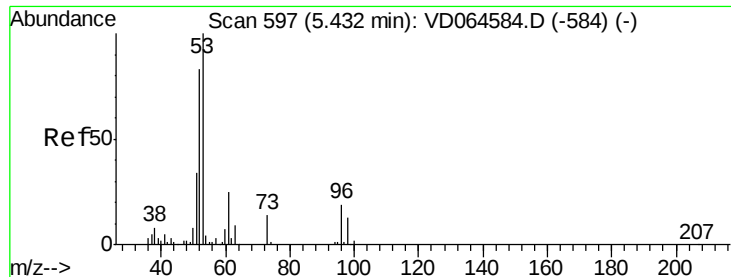
Ion Ratio Lower Upper

41 100

39 76.4 62.3 93.5

76 36.6 29.7 44.5





#15

Acrylonitrile

Concen: 334.592 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

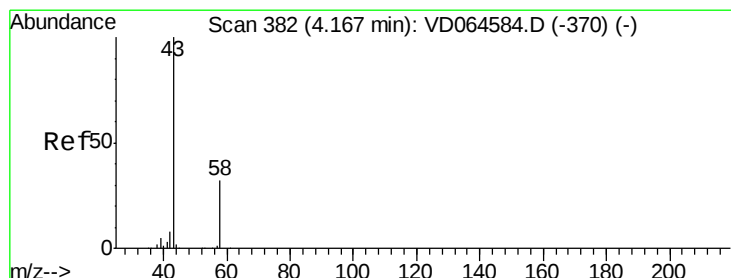
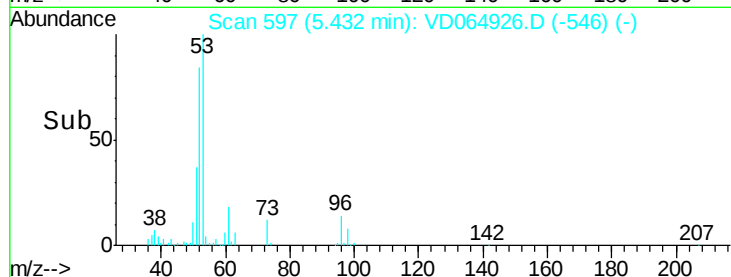
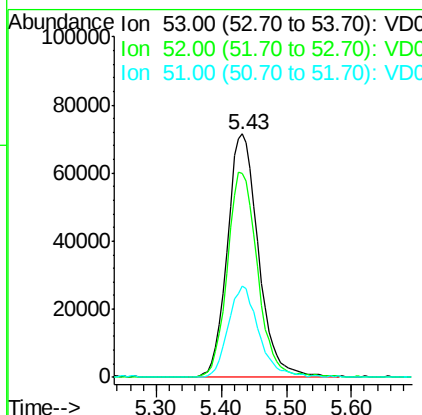
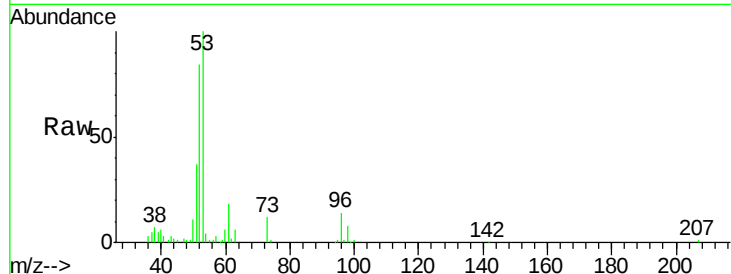
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	236411
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.2	99.2
51	37.0	30.1	45.1

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#16

Acetone

Concen: 281.751 ug/l

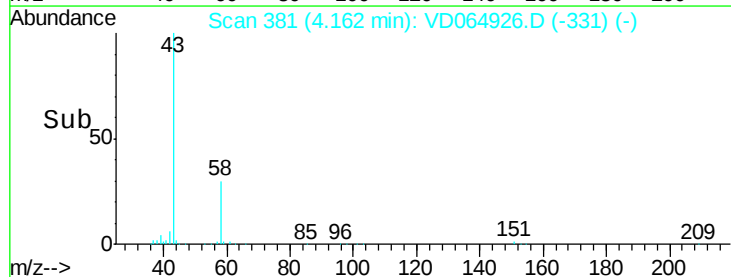
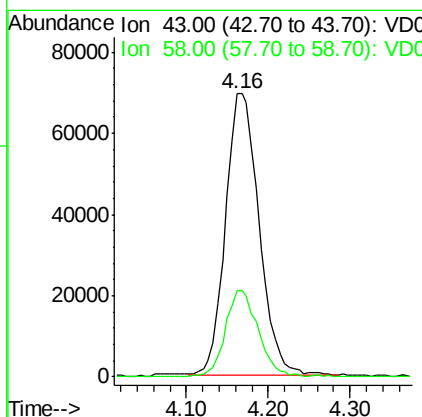
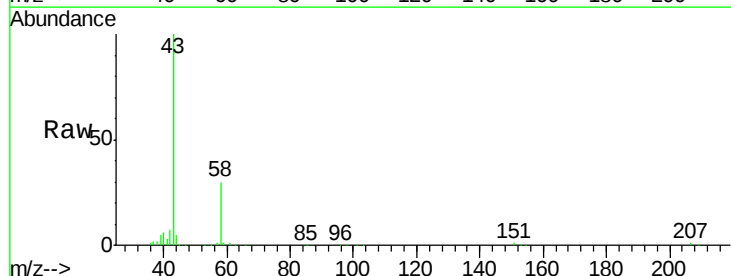
RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Tgt Ion:	43	Resp:	197508
Ion Ratio	Lower	Upper	
43	100		
58	30.5	25.8	38.6





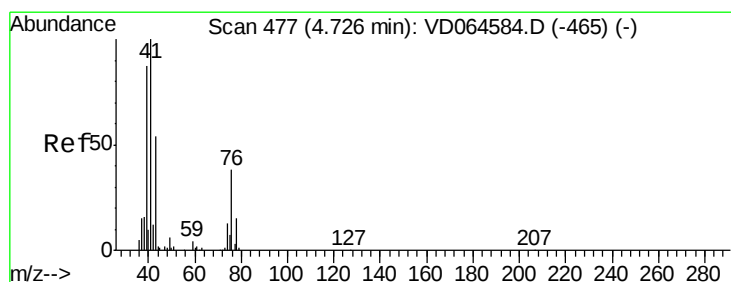
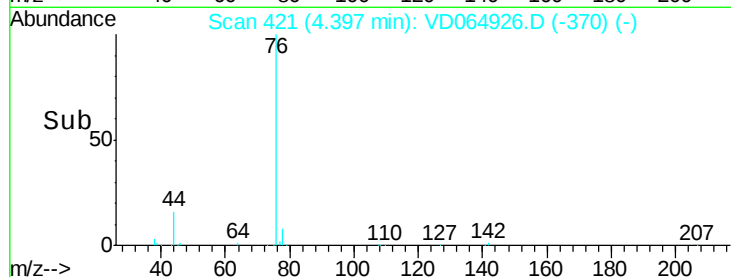
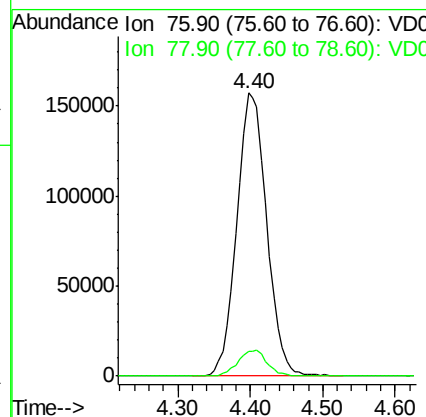
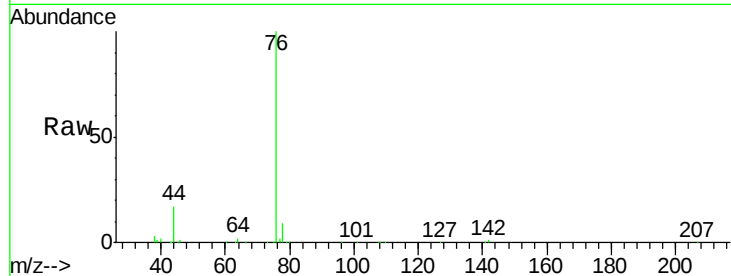
#17
Carbon Disulfide
Concen: 41.343 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

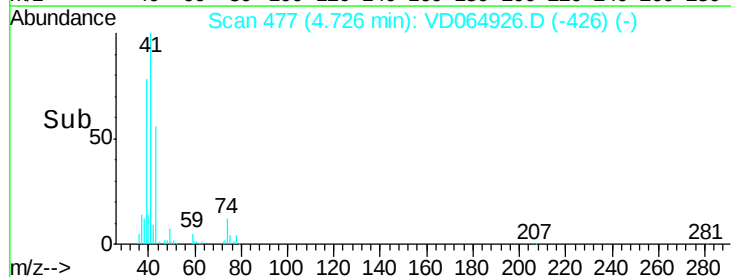
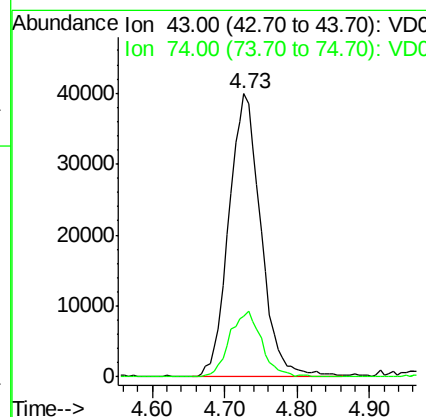
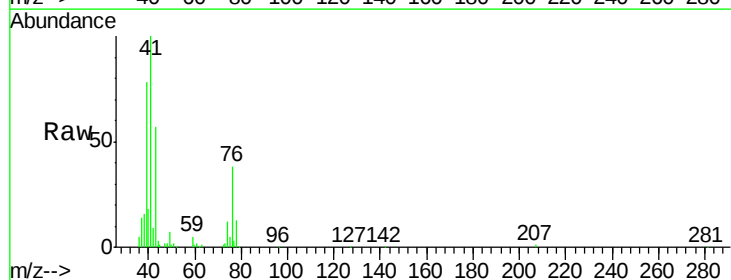
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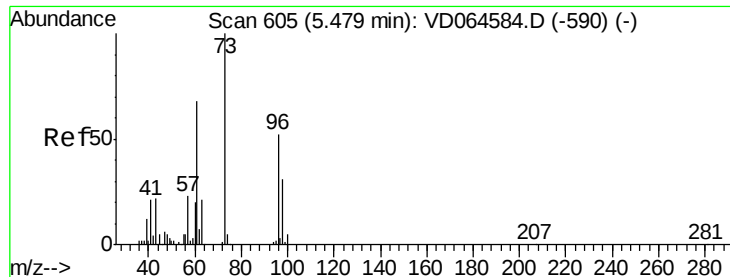
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#18
Methyl Acetate
Concen: 64.600 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.2	28.8





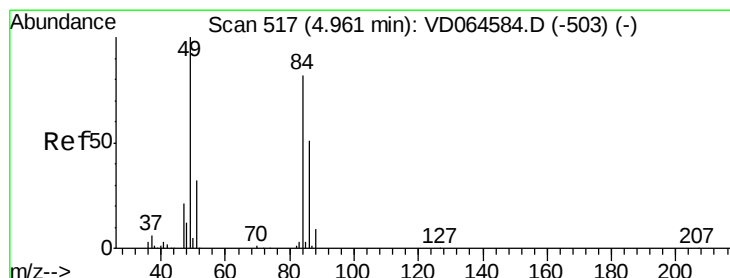
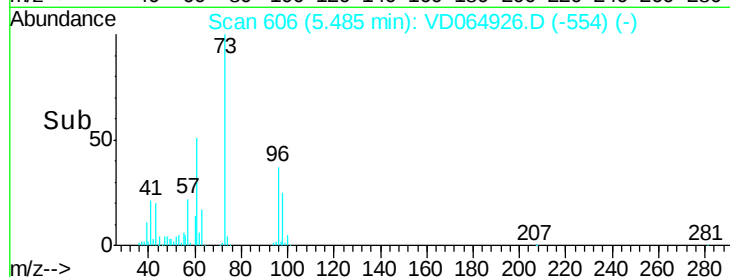
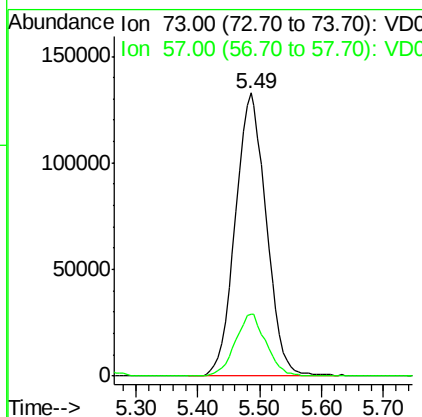
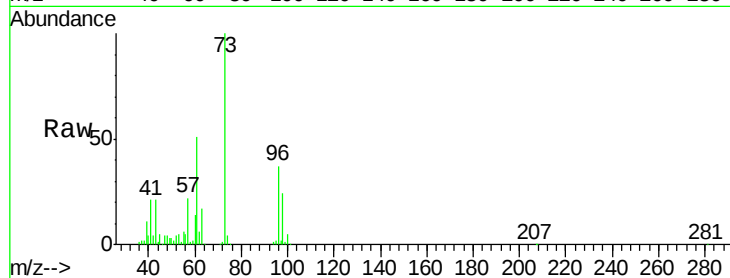
#19
Methvl tert-butvl Ether
Concen: 61.913 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 463168
Ion Ratio Lower Upper
73 100
57 21.9 18.6 27.8

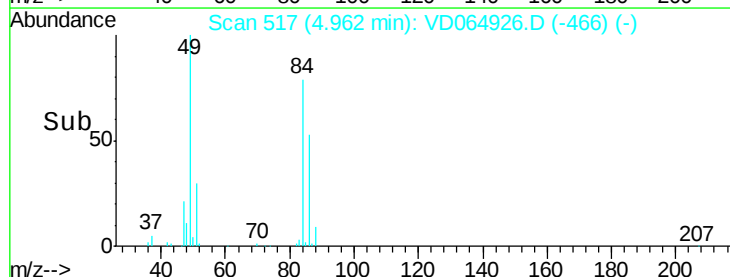
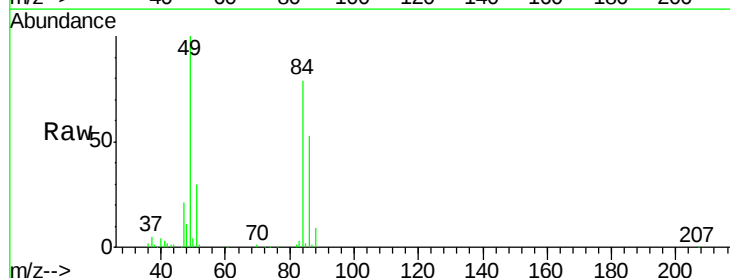
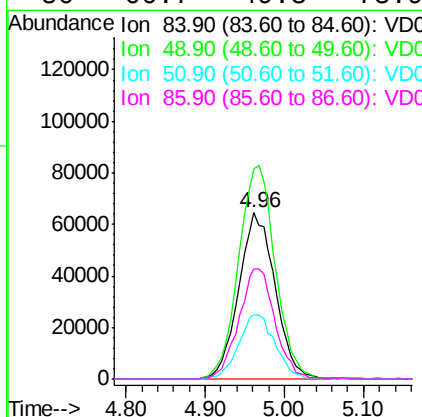
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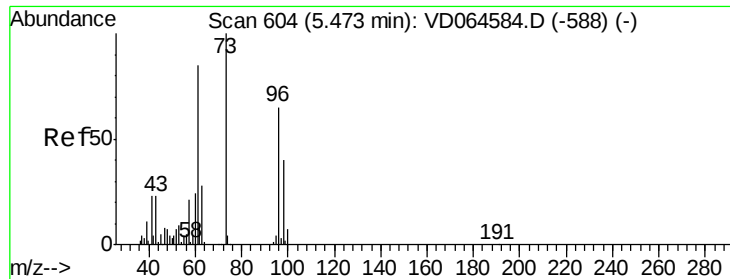
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#20
Methylene Chloride
Concen: 60.570 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 84 Resp: 205547
Ion Ratio Lower Upper
84 100
49 126.6 97.2 145.8
51 38.2 31.4 47.0
86 66.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 50.897 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

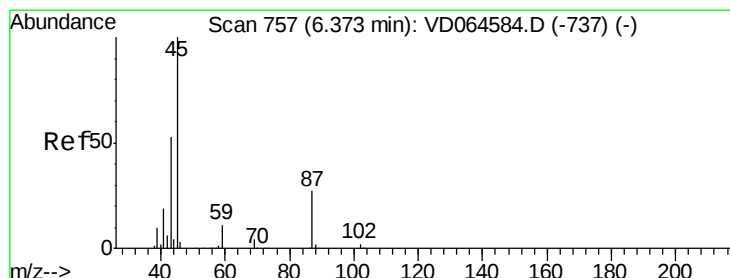
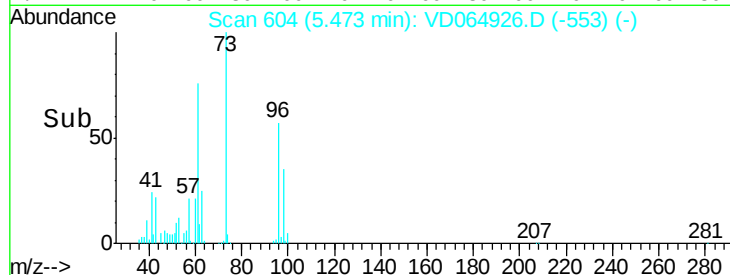
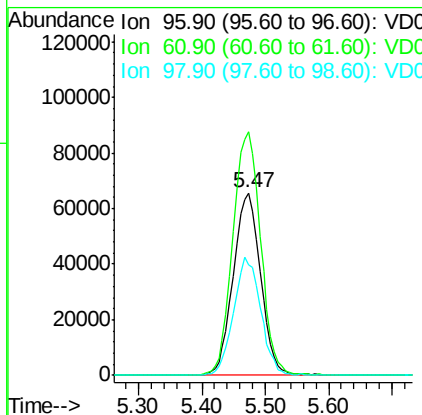
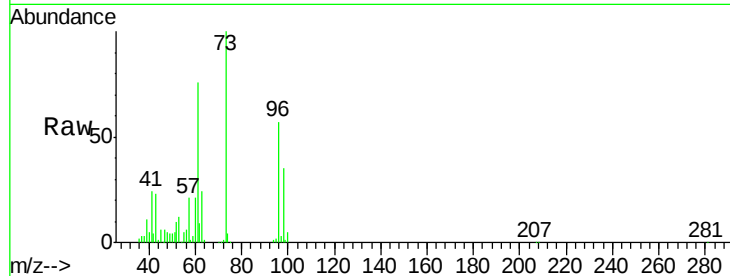
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	195226
Ion	Ratio	Lower	Upper
96	100		
61	133.2	104.7	157.1
98	60.4	49.4	74.2

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#22

Diisopropyl ether

Concen: 60.496 ug/l

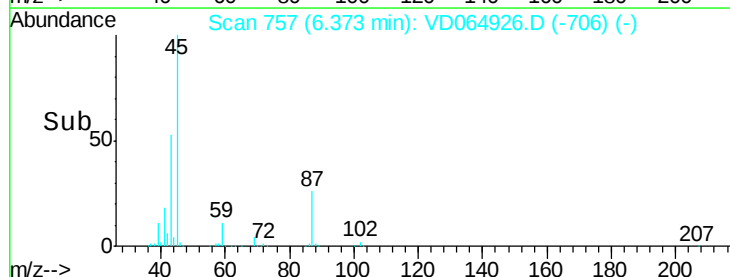
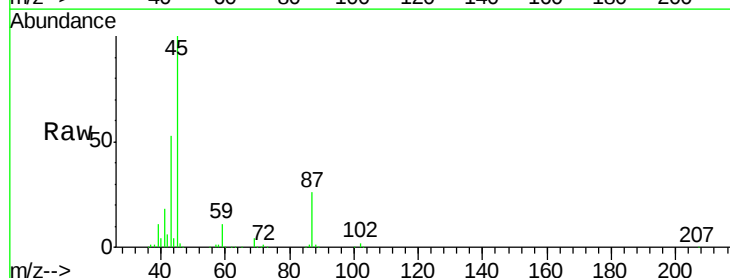
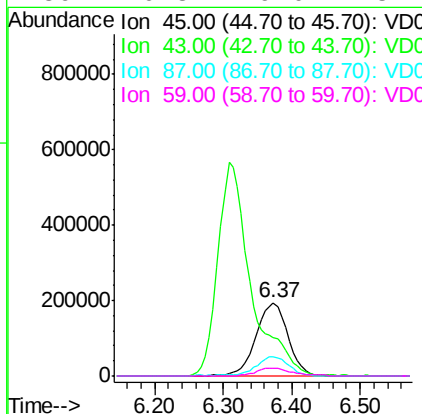
RT: 6.37 min Scan# 757

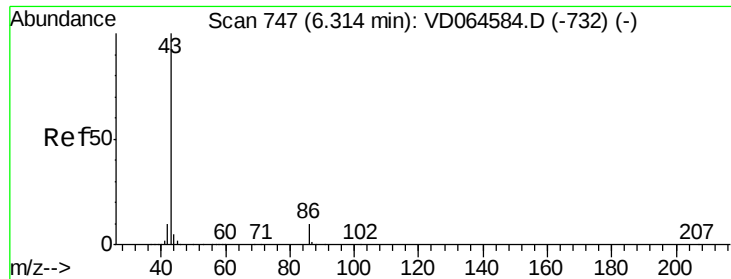
Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Tgt Ion:	45	Resp:	633640
Ion	Ratio	Lower	Upper
45	100		
43	52.8	43.2	64.8
87	25.7	21.9	32.9
59	10.8	9.0	13.4





#23

Vinyl Acetate

Concen: 320.194 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1902433

Ion Ratio Lower Upper

43 100

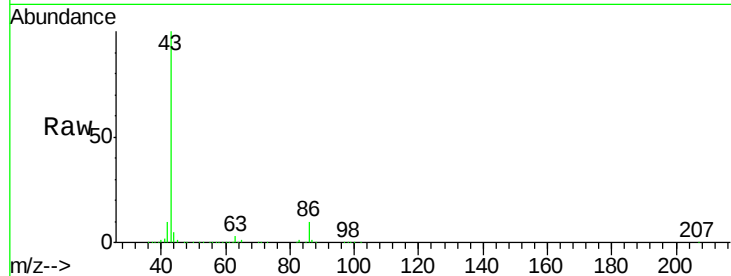
86 10.4 8.3 12.5

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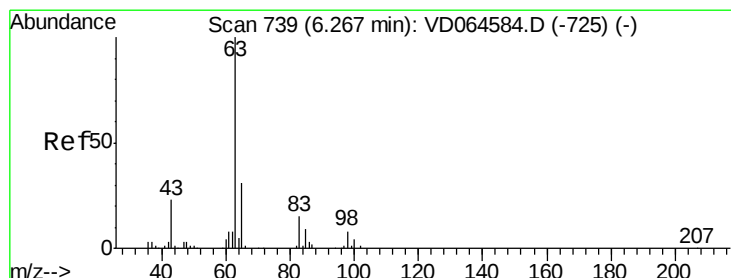
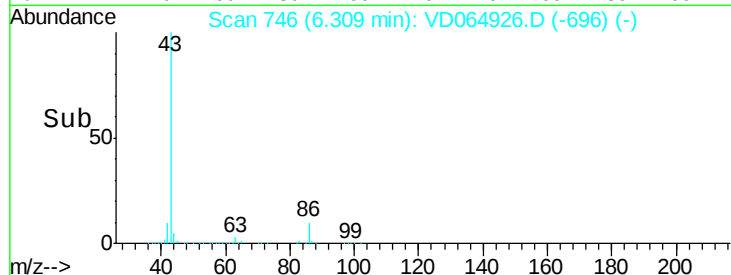
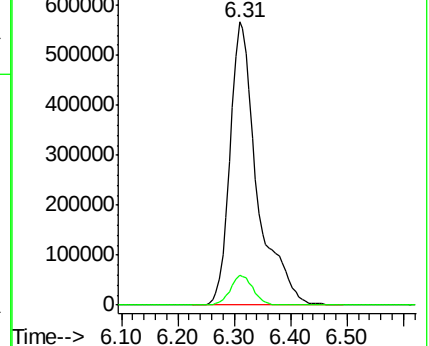
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 56.869 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

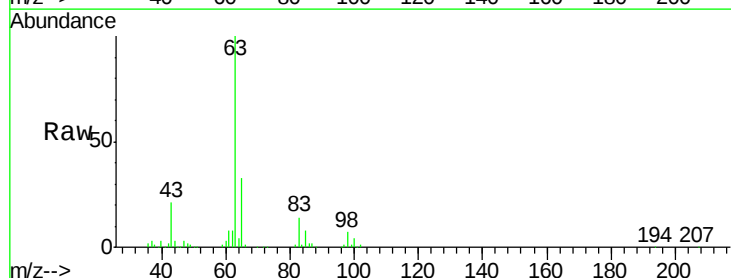
Tgt Ion: 63 Resp: 357587

Ion Ratio Lower Upper

63 100

98 7.3 4.1 12.3

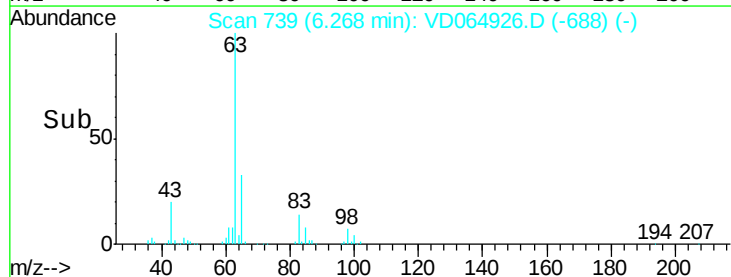
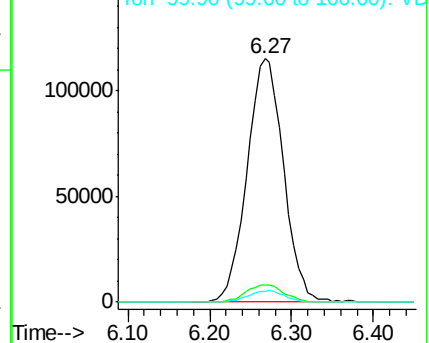
100 4.4 2.2 6.6

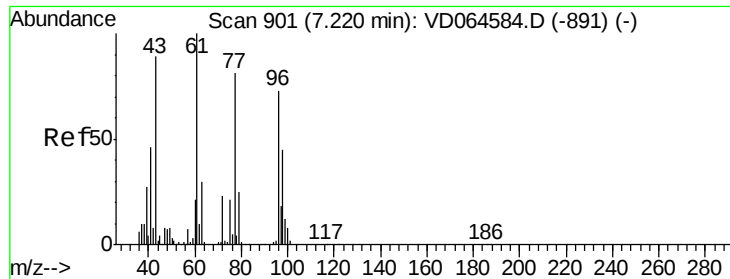


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 323.787 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 300444

Ion Ratio Lower Upper

43 100

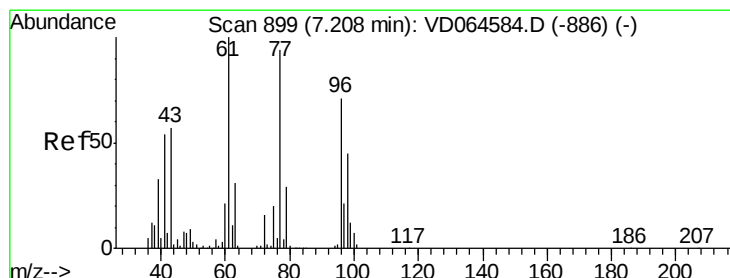
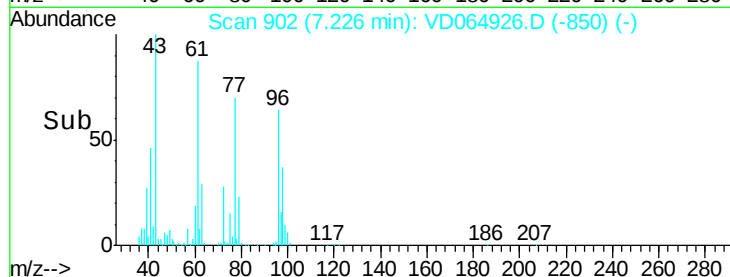
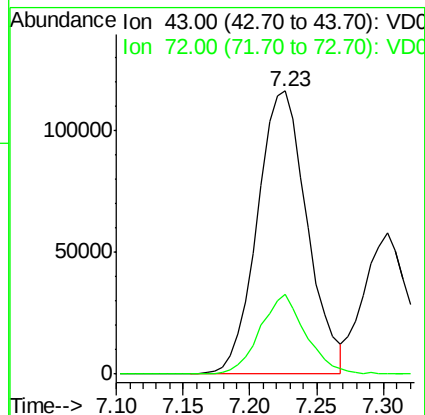
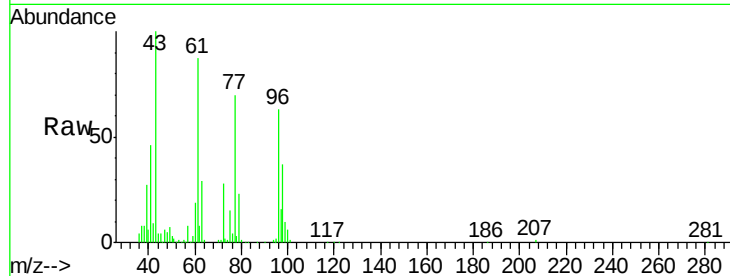
72 28.3 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 53.707 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064926.D

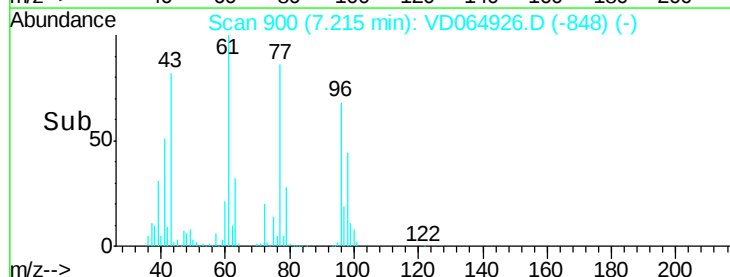
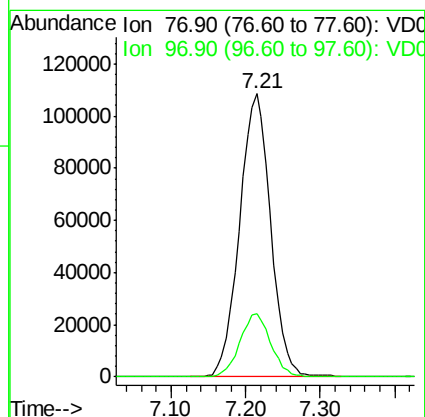
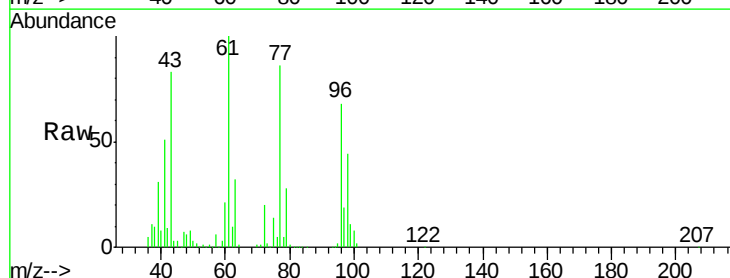
Acq: 22 Jan 2020 19:29

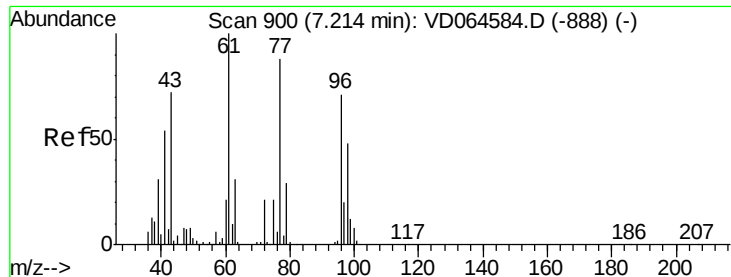
Tgt Ion: 77 Resp: 313982

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.6





#27

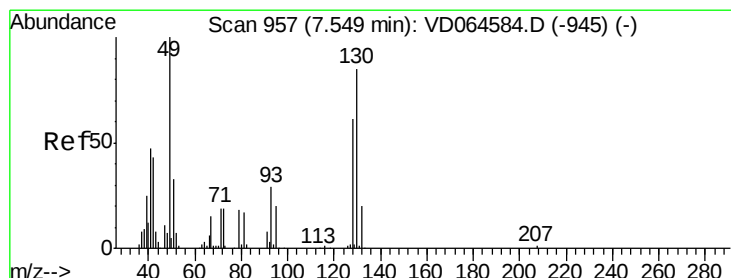
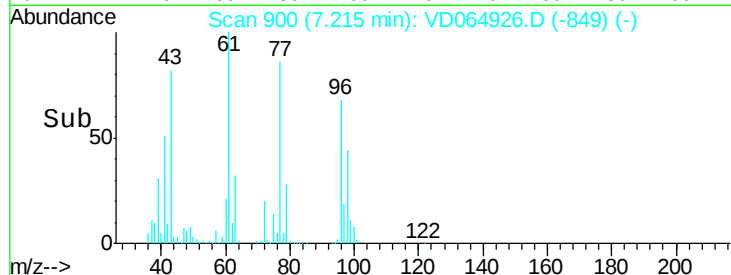
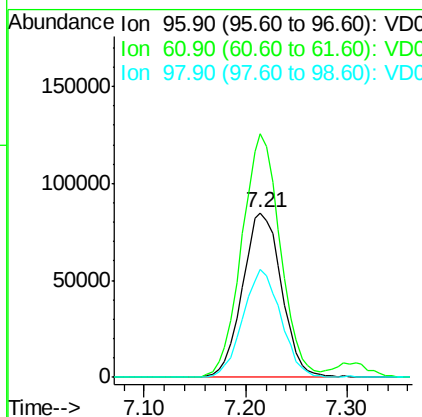
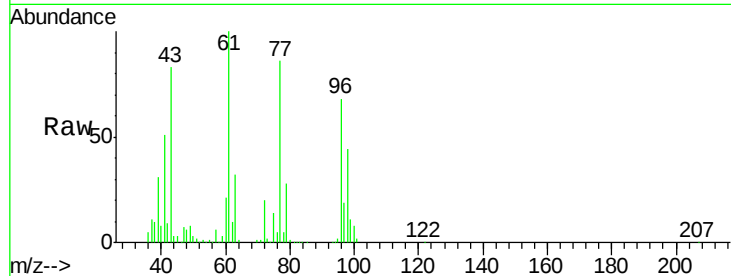
cis-1,2-Dichloroethene
 Concen: 54.690 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	226396		
61	146.0	0.0	282.6	
98	64.0	0.0	130.8	

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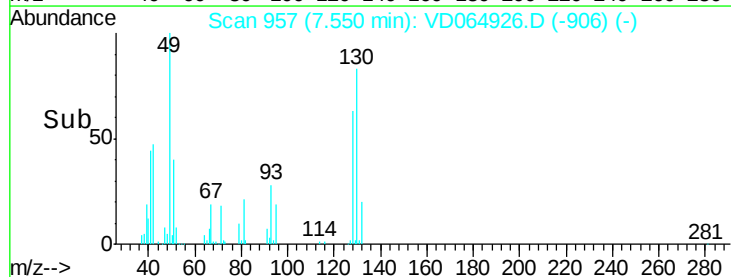
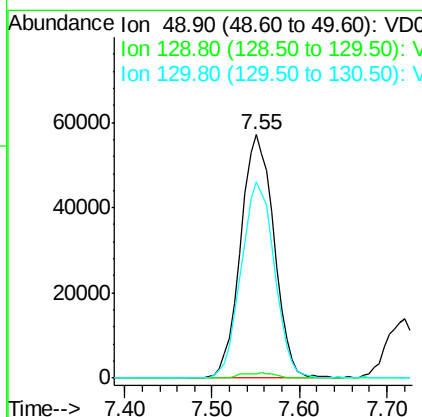
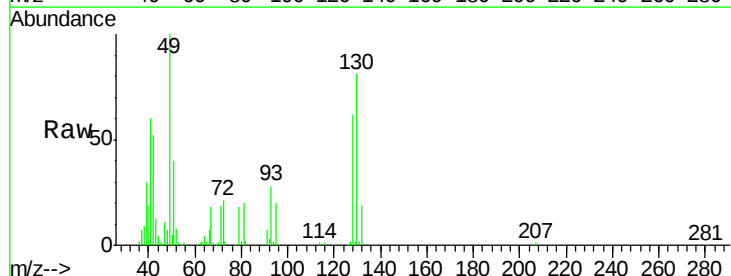
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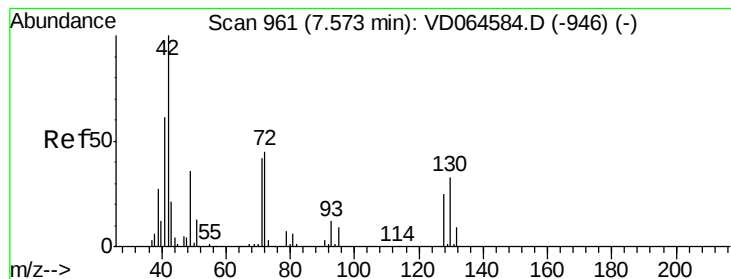


#28

Bromochloromethane
 Concen: 60.609 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	148145		
129	2.2	0.0	4.8	
130	80.5	65.0	97.6	





#29

Tetrahydrofuran

Concen: 331.815 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

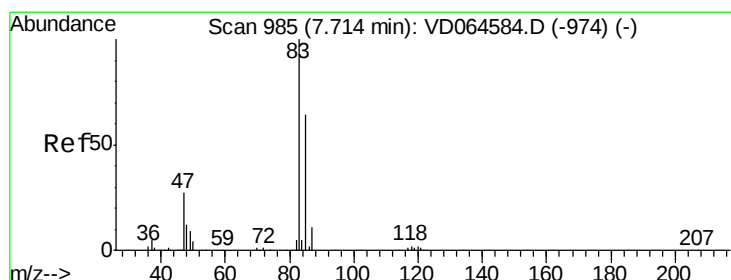
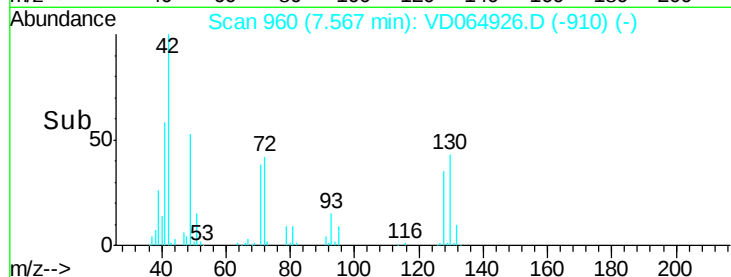
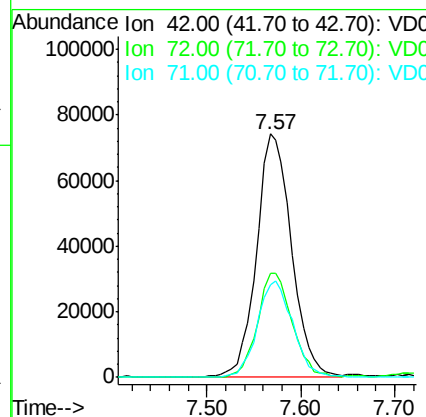
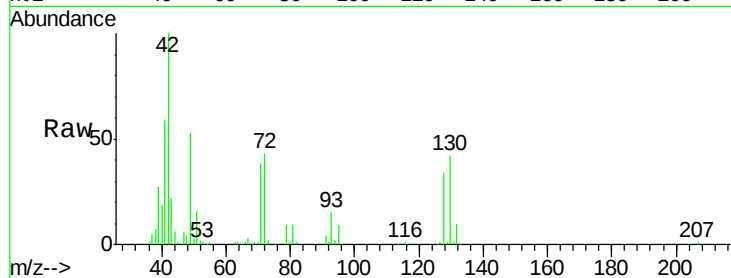
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	191471
Ion	Ratio	Lower	Upper
42	100		
72	42.3	35.0	52.4
71	40.1	32.9	49.3

Manual Integrations
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#30

Chloroform

Concen: 57.435 ug/l

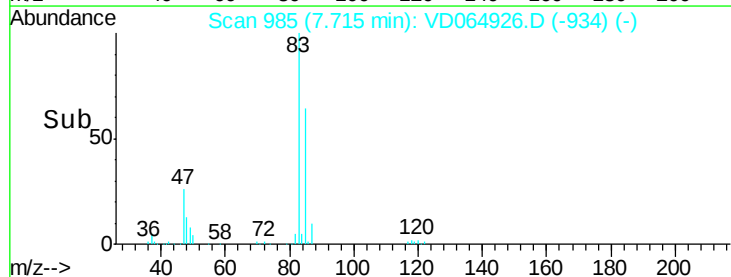
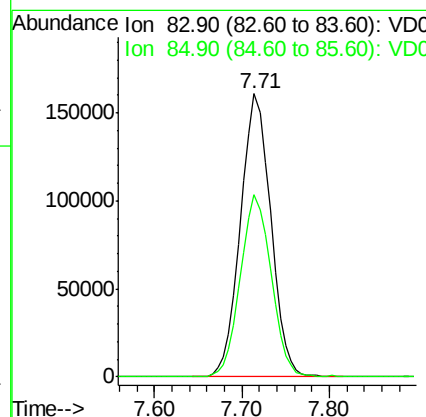
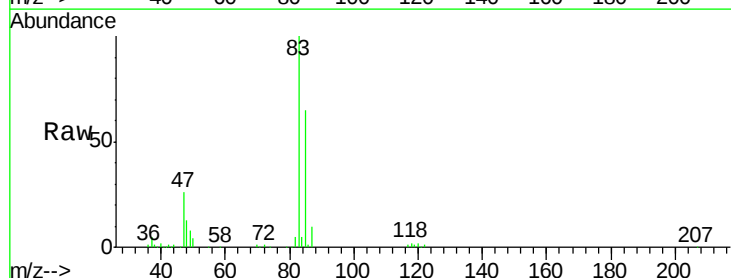
RT: 7.71 min Scan# 985

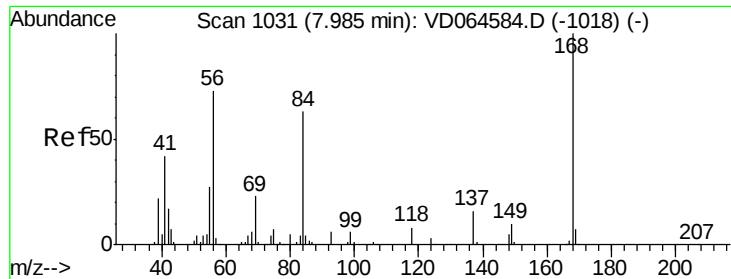
Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Tgt Ion:	83	Resp:	378900
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7





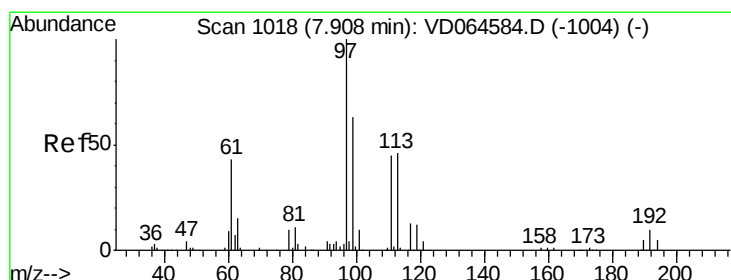
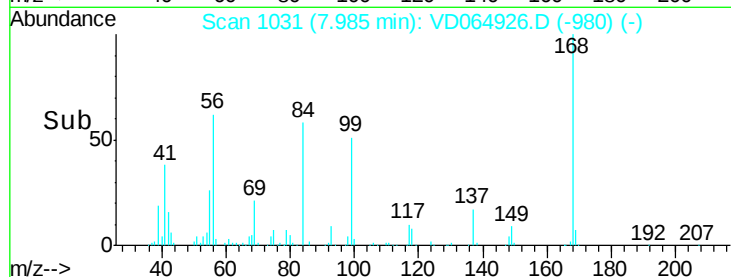
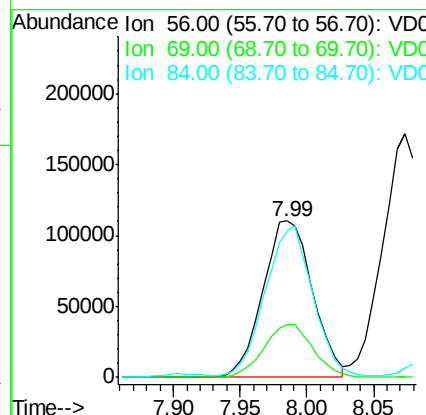
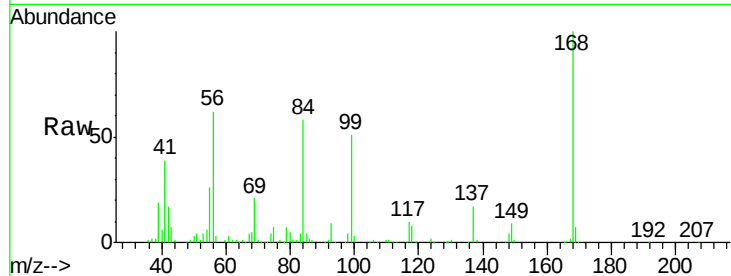
#31
Cyclohexane
Concen: 45.205 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	24.7	37.1
84	91.9	69.4	104.2

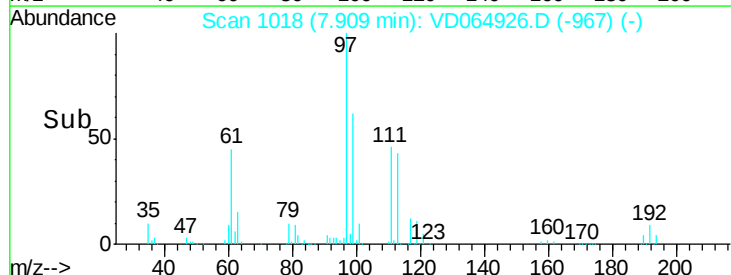
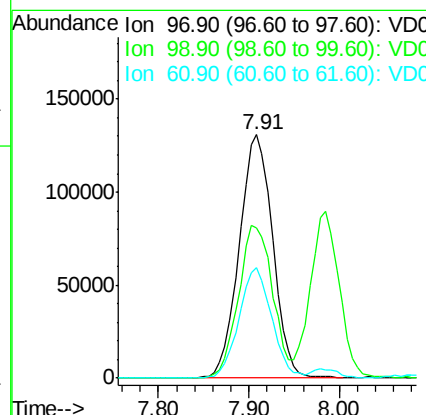
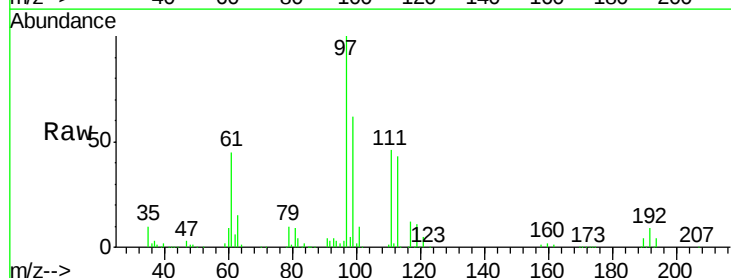
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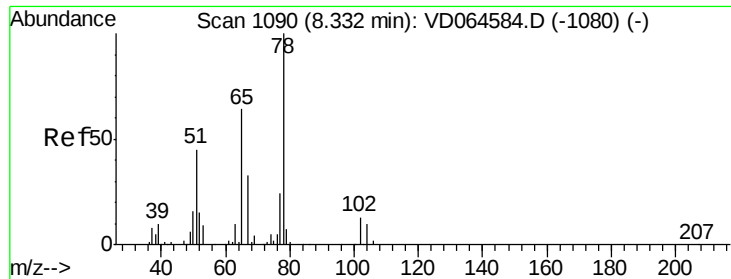
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#32
1,1,1-Trichloroethane
Concen: 54.269 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.6
61	44.5	35.4	53.0





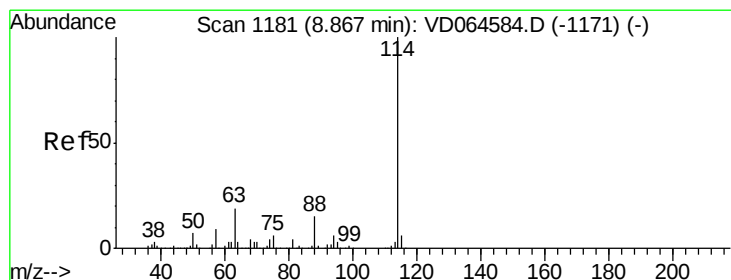
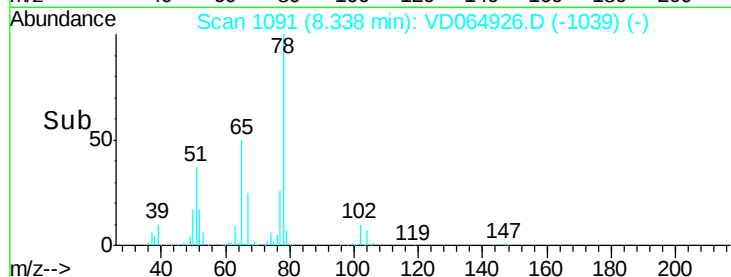
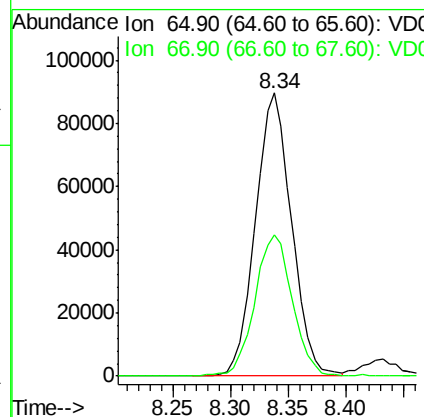
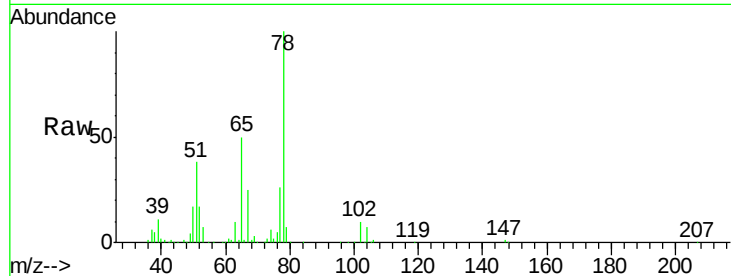
#33
 1,2-Dichloroethane-d4
 Concen: 57.927 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	195547		
67	51.9	0.0	106.2	

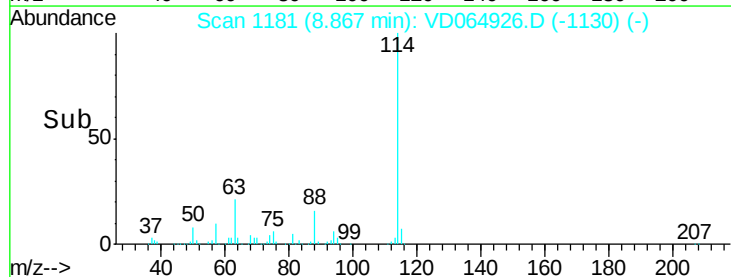
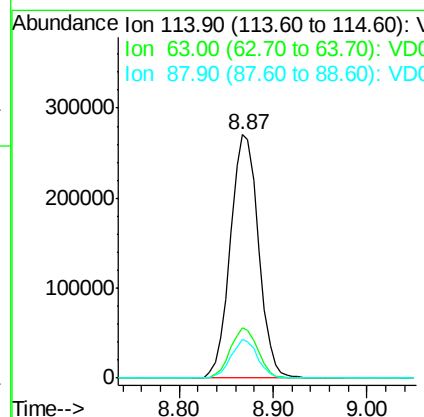
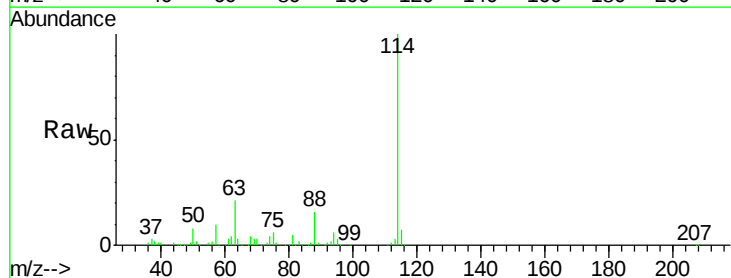
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	563006		
63	20.7	0.0	38.0	
88	15.8	0.0	29.2	





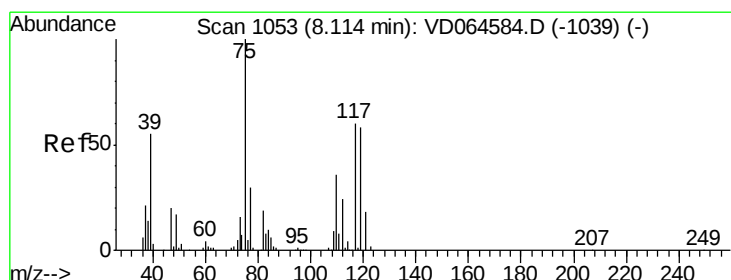
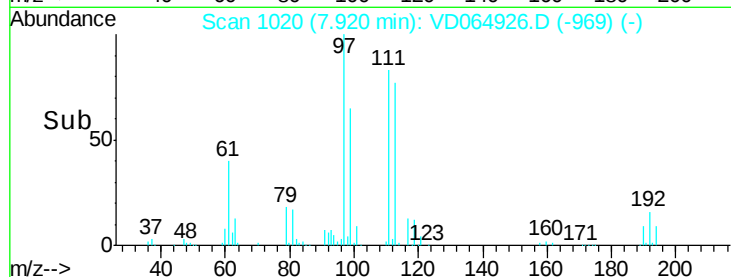
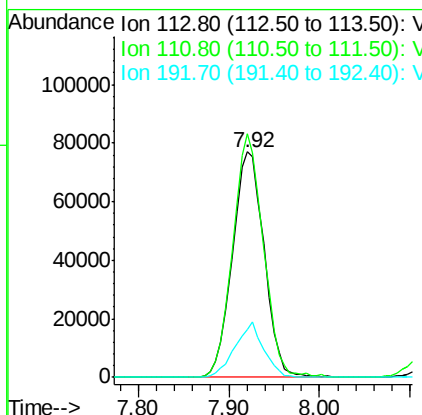
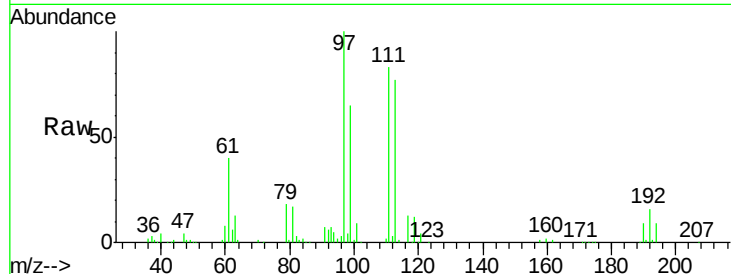
#35
 Dibromofluoromethane
 Concen: 54.398 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	187898		
111	104.0	80.6	121.0	
192	22.1	17.9	26.9	

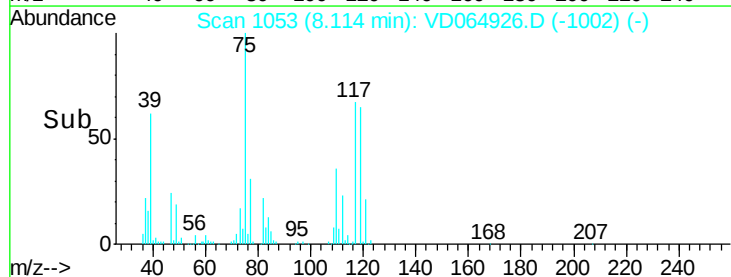
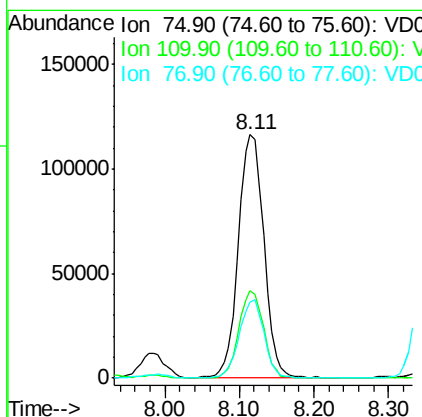
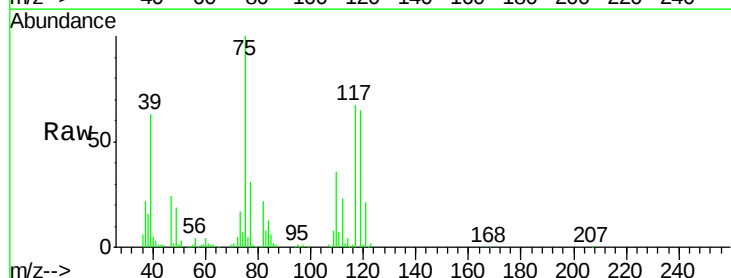
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#36
 1,1-Dichloropropene
 Concen: 51.289 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	277931		
110	34.7	18.1	54.1	
77	31.2	24.2	36.4	





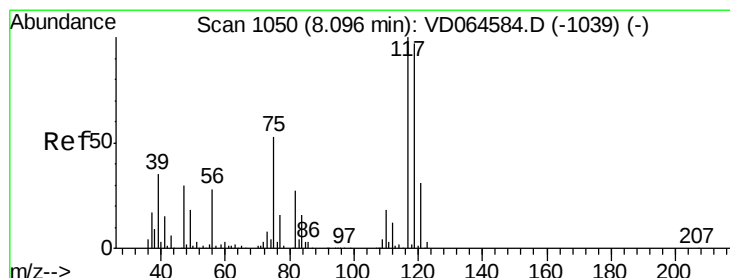
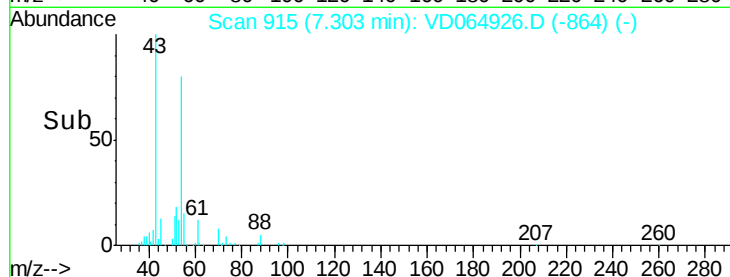
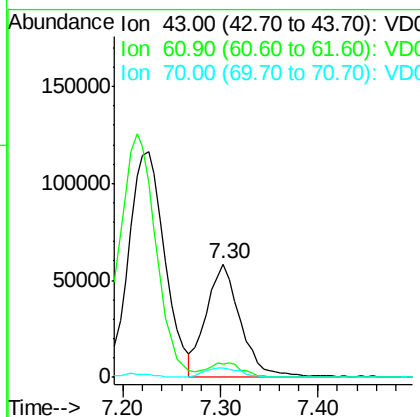
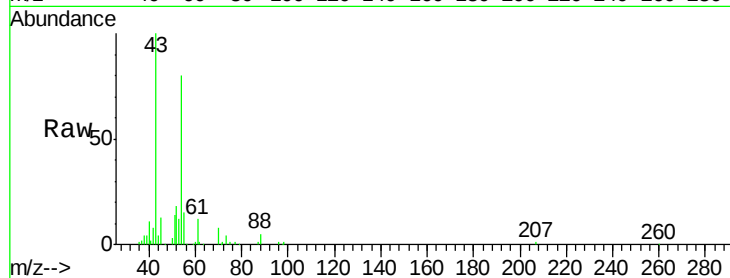
#37
Ethyl Acetate
Concen: 66.131 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.3	15.5
70	9.3	7.6	11.4

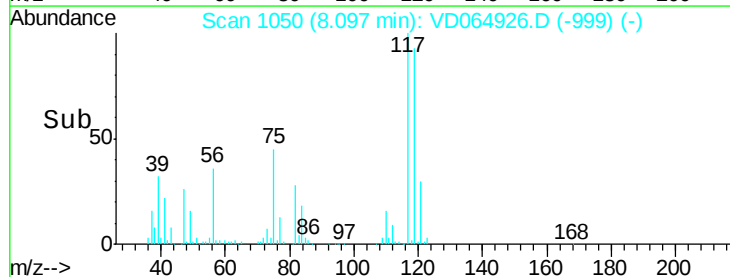
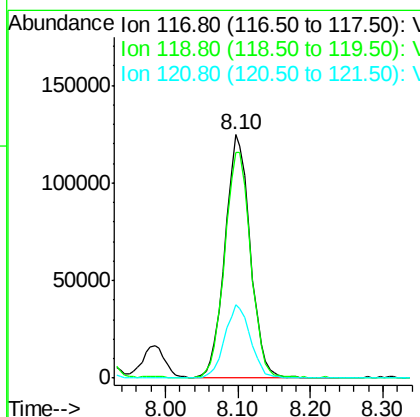
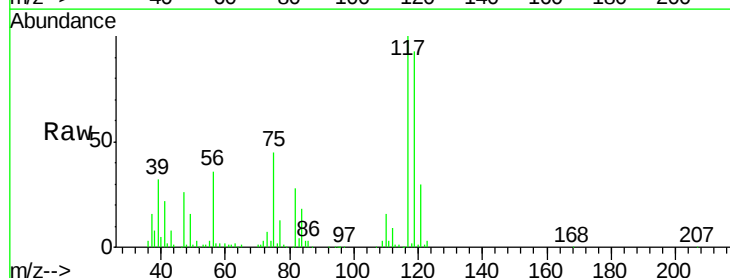
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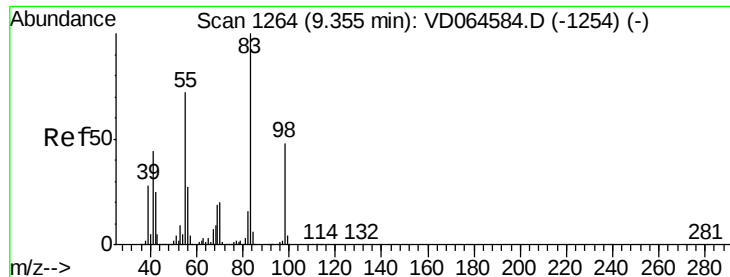
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#38
Carbon Tetrachloride
Concen: 52.174 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.3	115.9
121	30.3	25.0	37.6





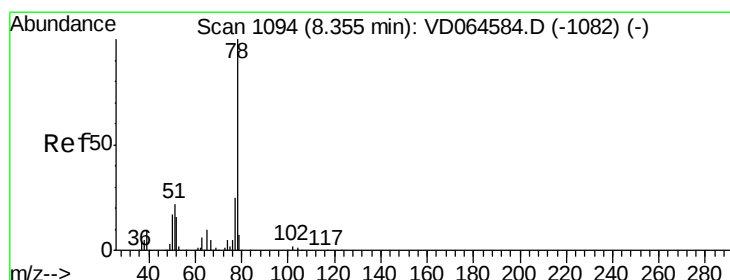
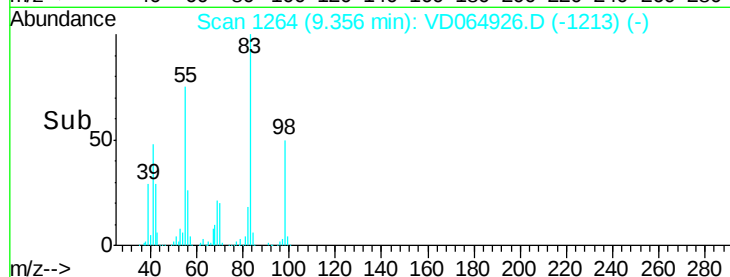
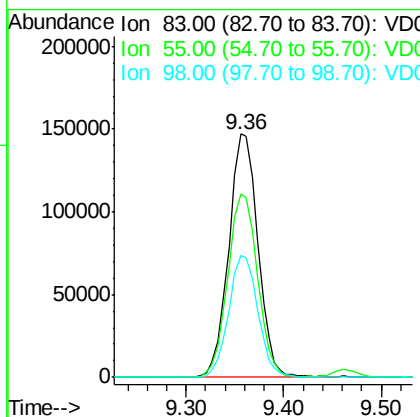
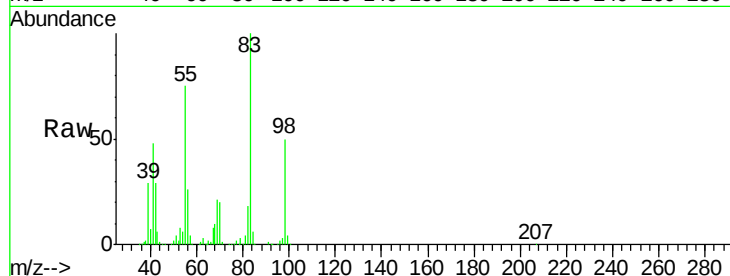
#39
Methylvlcyclohexane
Concen: 46.793 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	57.8	86.6
98	50.3	38.7	58.1

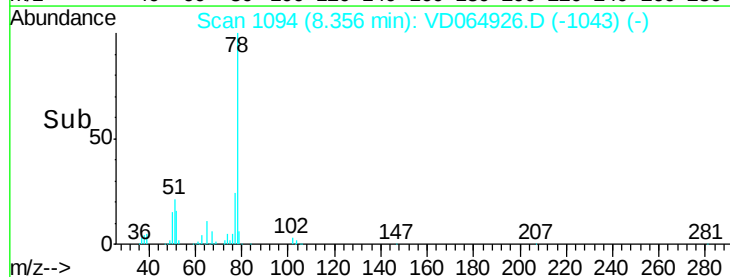
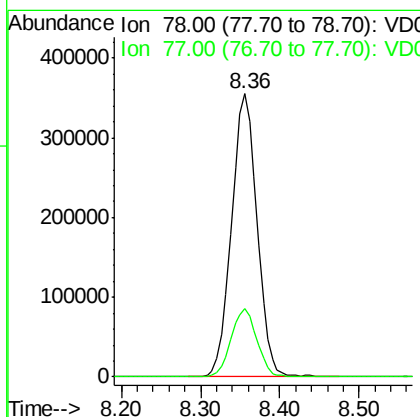
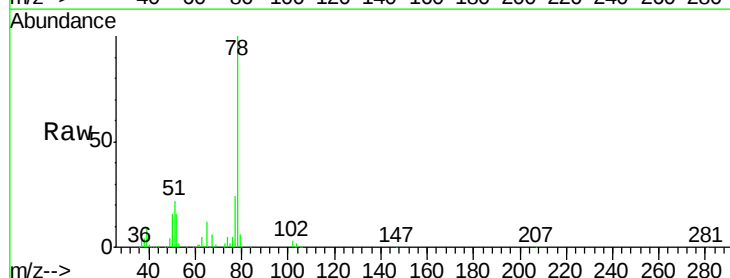
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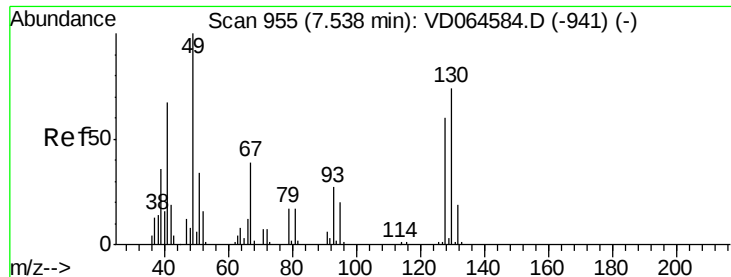
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#40
Benzene
Concen: 53.641 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.9	29.9





#41

Methacrylonitrile

Concen: 60.619 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 41 Resp: 74874

Ion Ratio Lower Upper

41 100

39 64.1 46.7 70.1

67 74.6 52.5 78.7

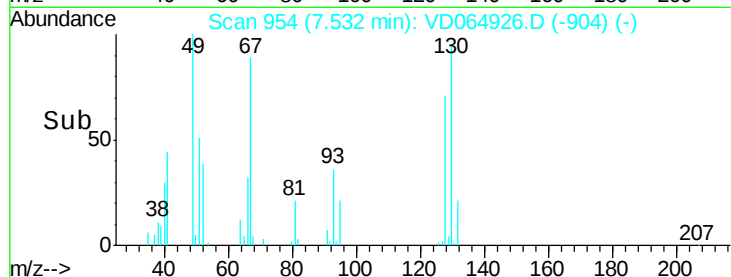
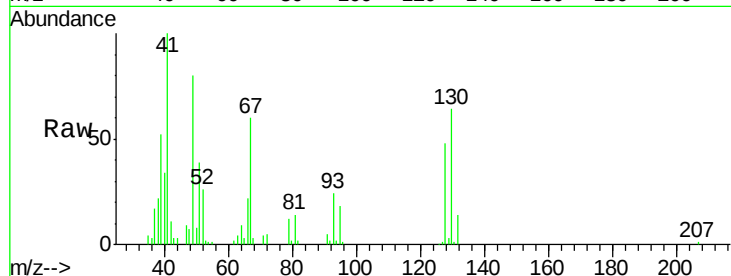
52 34.0 24.1 36.1

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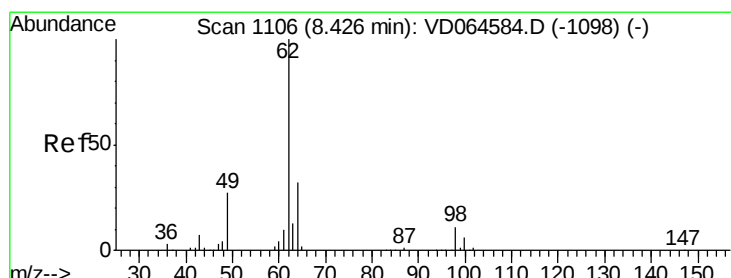
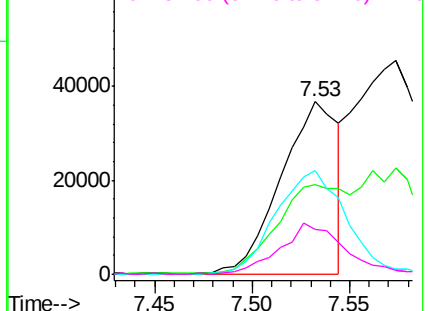


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 59.752 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064926.D

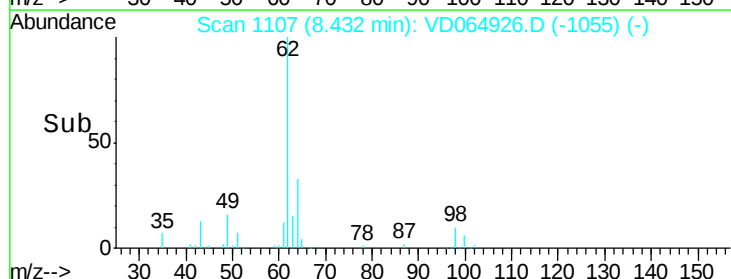
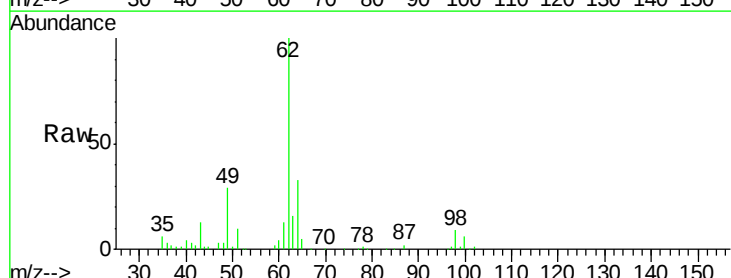
Acq: 22 Jan 2020 19:29

Tgt Ion: 62 Resp: 255431

Ion Ratio Lower Upper

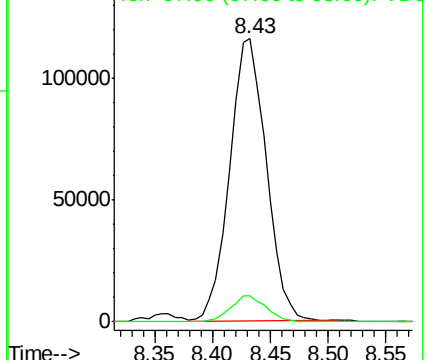
62 100

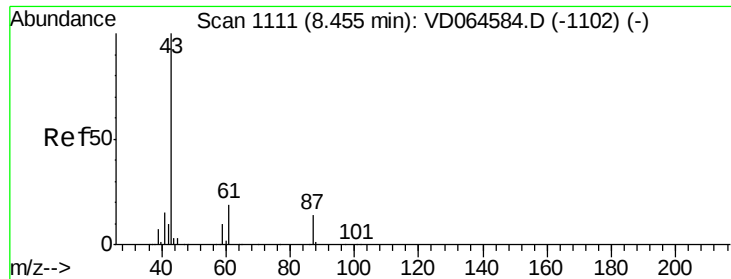
98 9.0 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 63.027 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

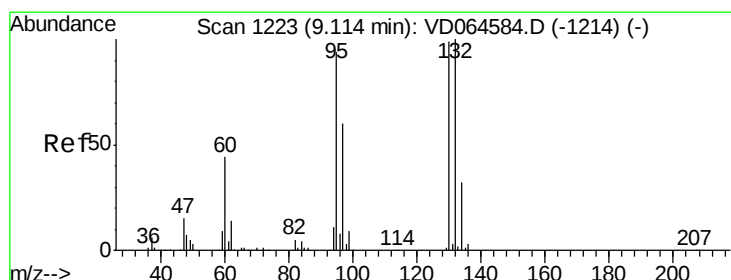
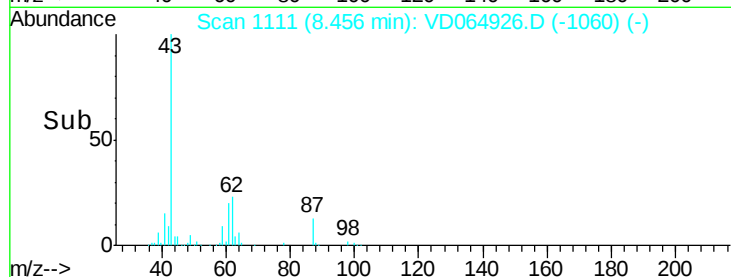
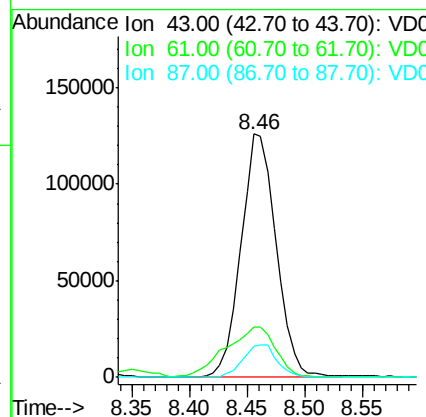
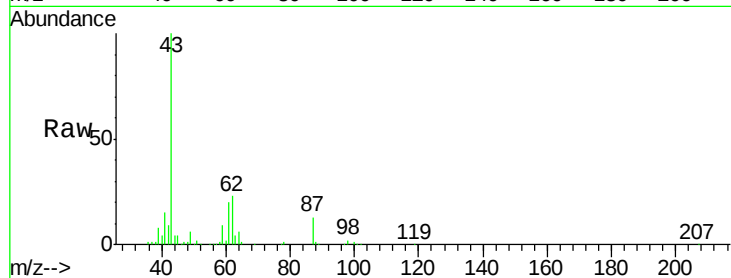
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	267060
Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.7	35.5
87	13.0	10.5	15.7

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#44

Trichloroethene

Concen: 50.704 ug/l

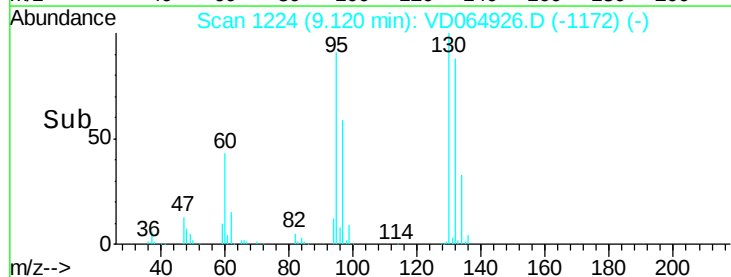
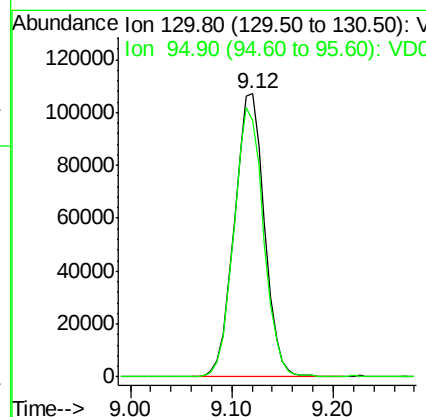
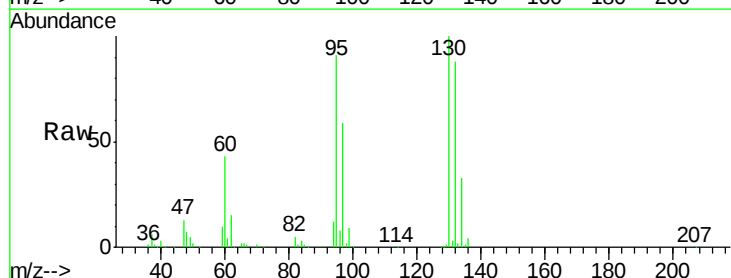
RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Tgt Ion:	130	Resp:	220345
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	190.2





#45

1,2-Dichloropropane

Concen: 57.966 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 204738

Ion Ratio Lower Upper

63 100

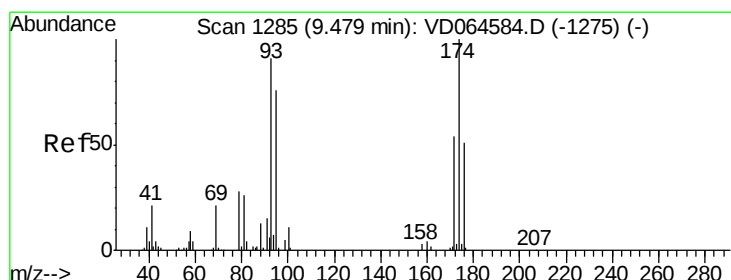
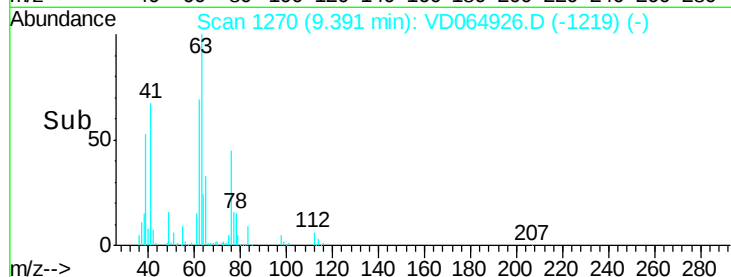
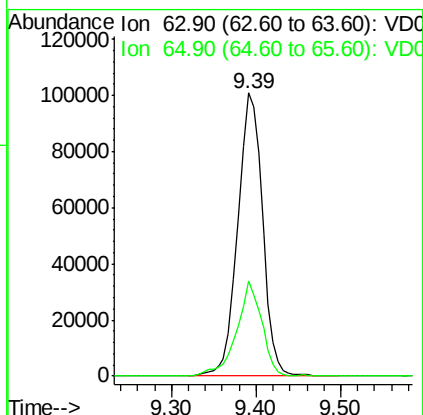
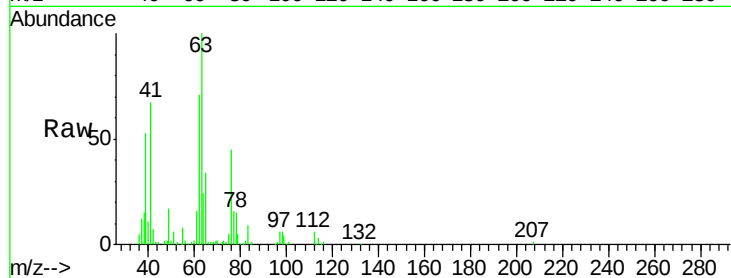
65 33.6 25.2 37.8

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#46

Dibromomethane

Concen: 59.558 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

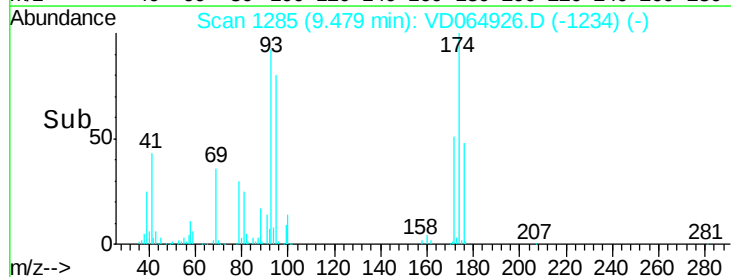
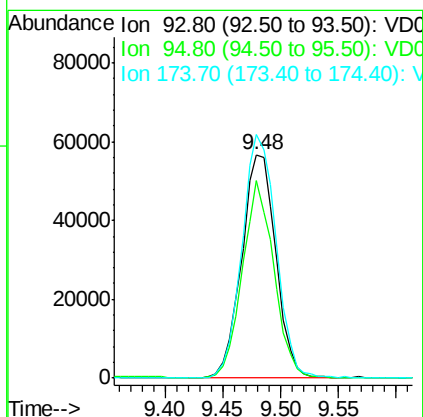
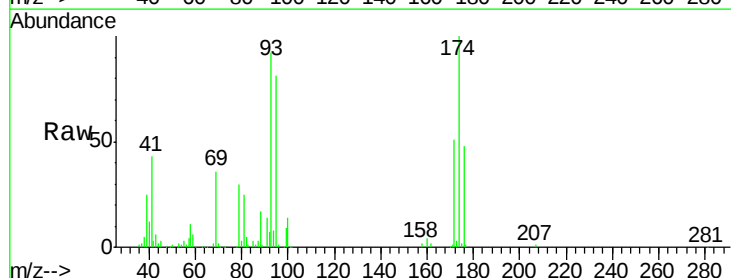
Tgt Ion: 93 Resp: 117283

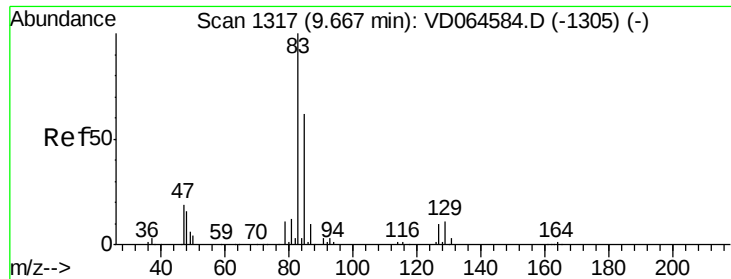
Ion Ratio Lower Upper

93 100

95 81.2 64.6 97.0

174 108.3 88.1 132.1





#47

Bromodichloromethane

Concen: 58.690 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

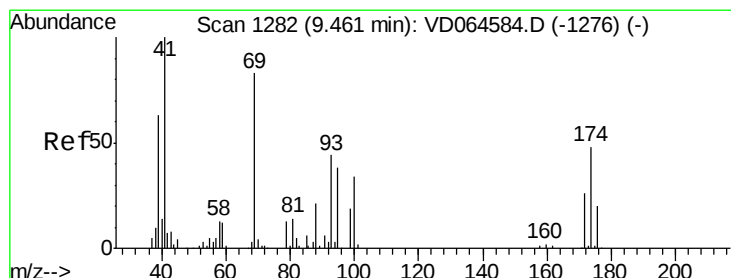
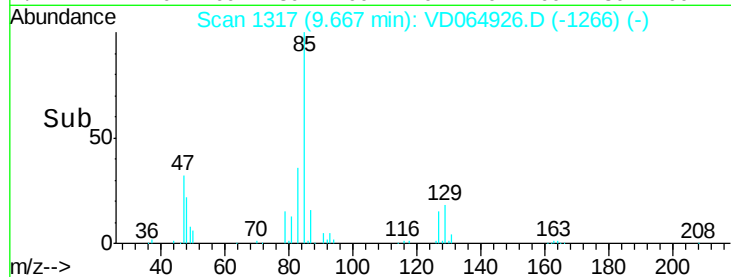
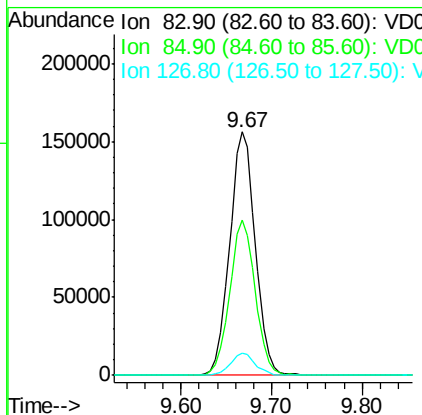
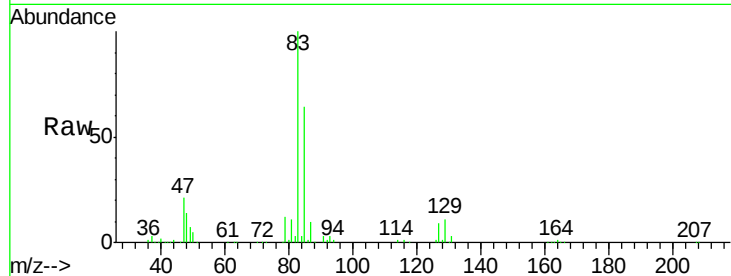
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	307538
Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.5	74.3
127	9.3	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 64.191 ug/l

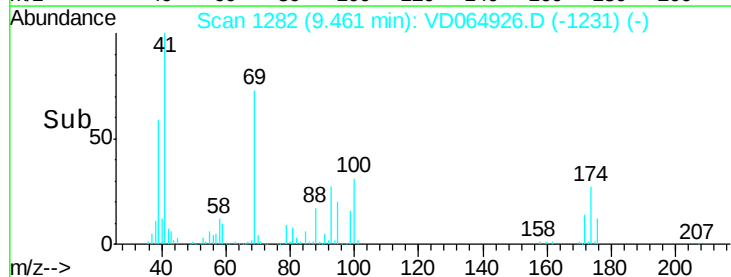
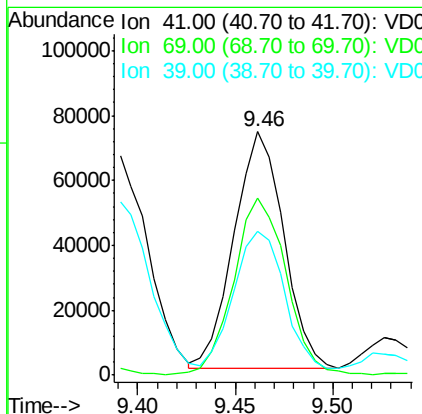
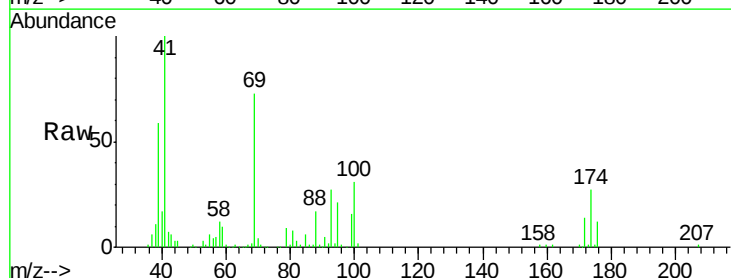
RT: 9.46 min Scan# 1282

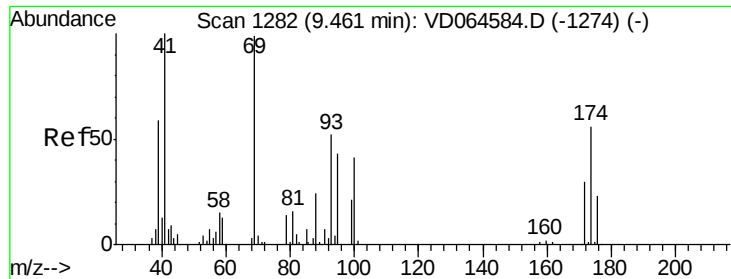
Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Tgt Ion:	41	Resp:	128070
Ion	Ratio	Lower	Upper
41	100		
69	78.8	63.0	94.6
39	64.3	47.4	71.2





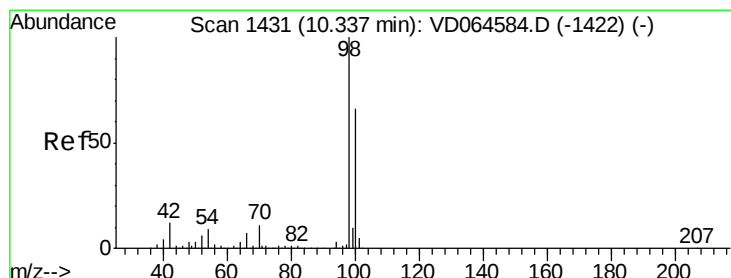
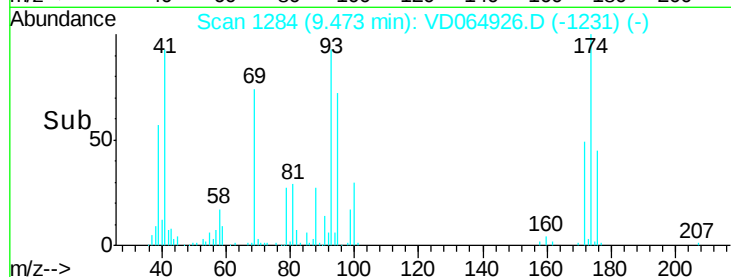
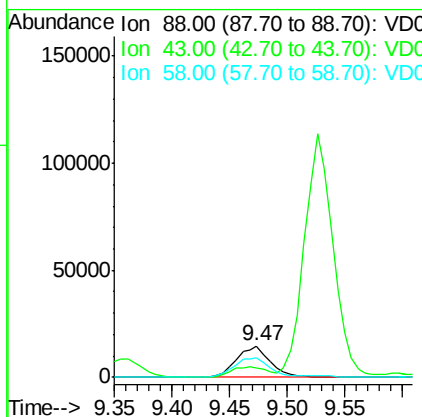
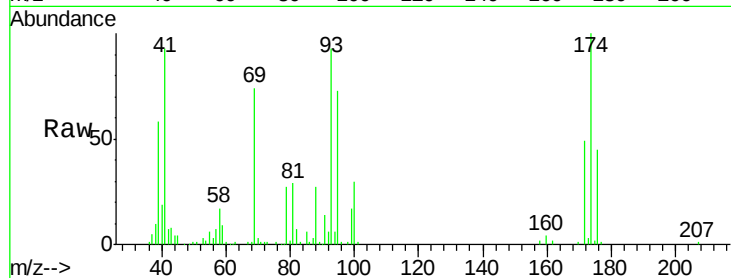
#49
1,4-Dioxane
Concen: 1325.388 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	30095		
43	34.9		27.7	41.5
58	67.6		53.8	80.6

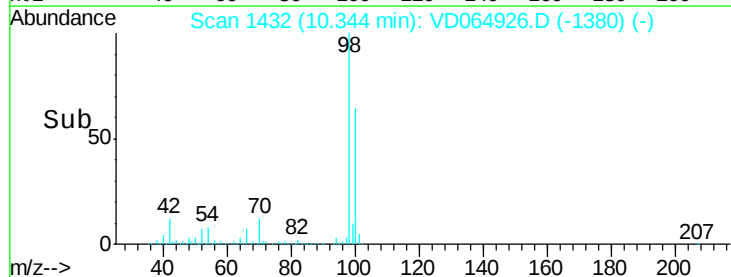
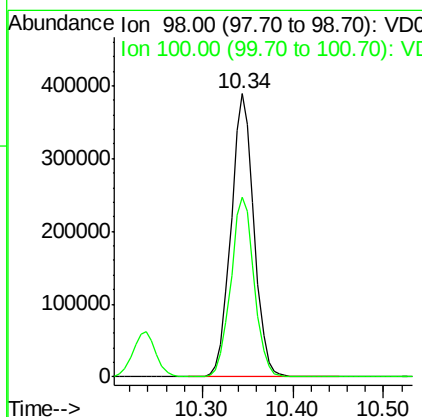
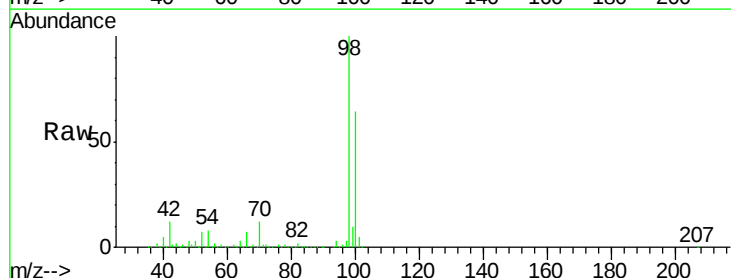
Manual Integrations
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#50
Toluene-d8
Concen: 51.860 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	686050		
100	64.2		51.7	77.5





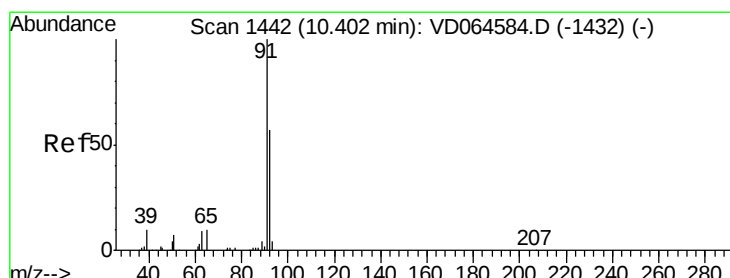
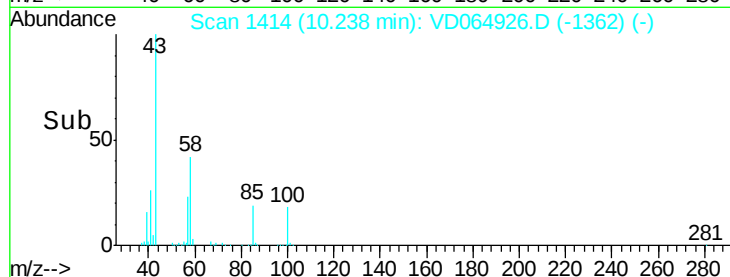
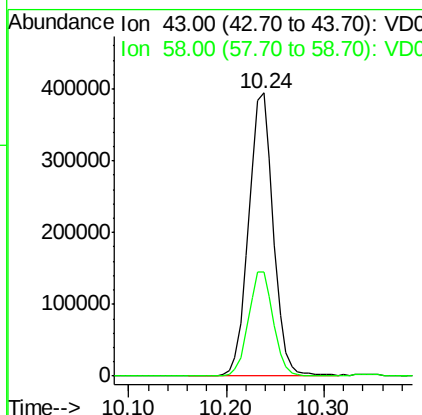
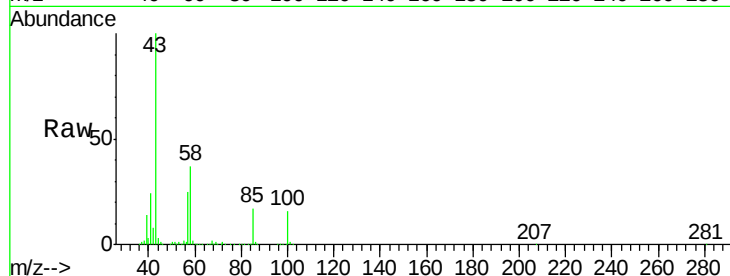
#51
4-Methyl-2-Pentanone
Concen: 335.142 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 701917
Ion Ratio Lower Upper
43 100
58 37.2 30.2 45.2

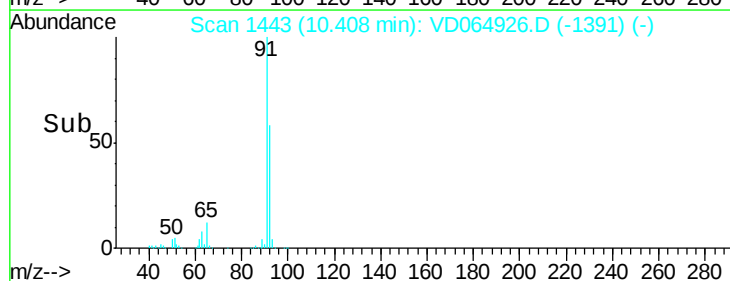
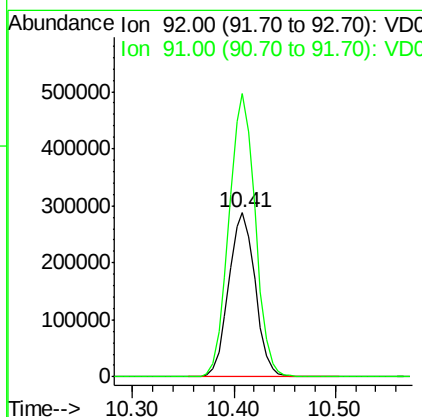
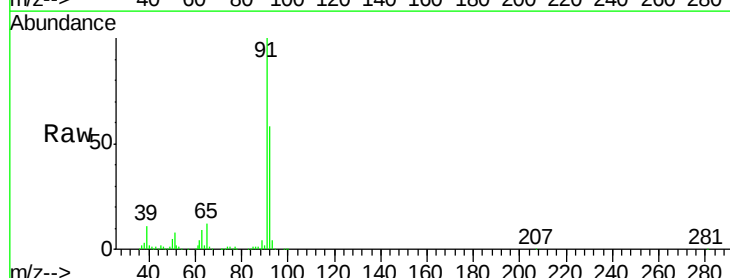
Manual Integrations
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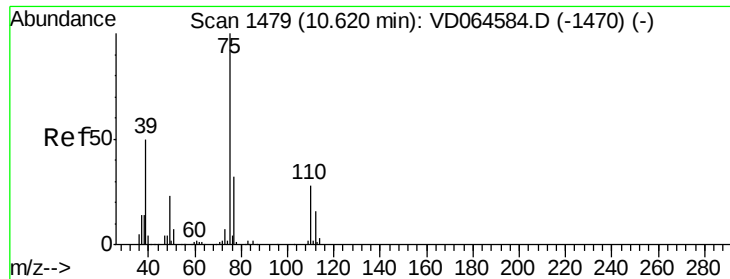
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#52
Toluene
Concen: 53.833 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 92 Resp: 522468
Ion Ratio Lower Upper
92 100
91 171.5 138.7 208.1





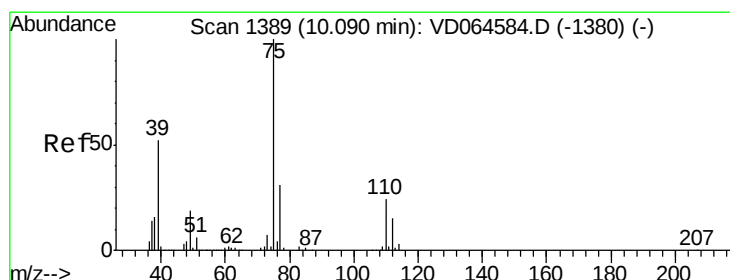
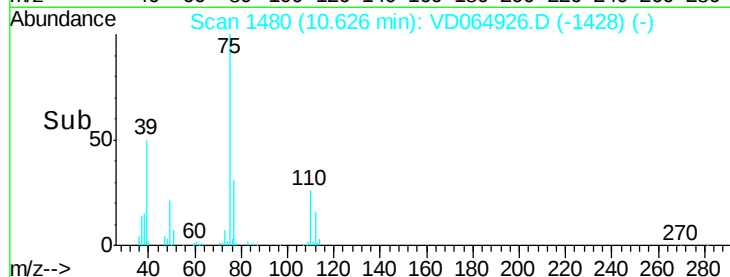
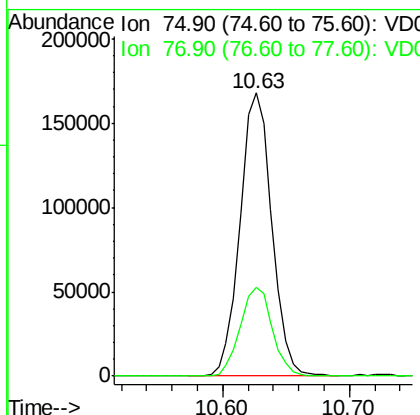
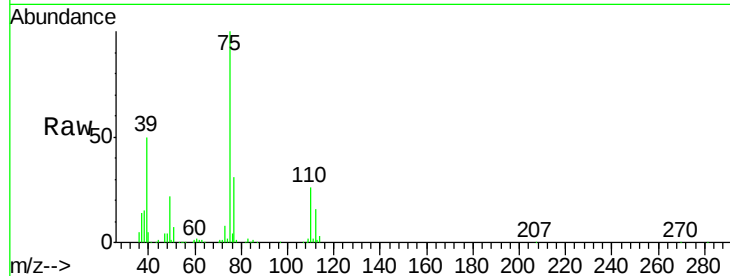
#53
t-1,3-Dichloropropene
Concen: 59.752 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2

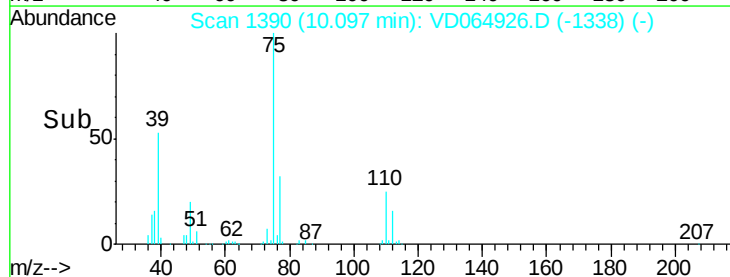
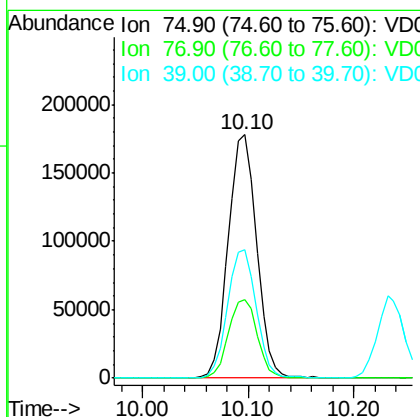
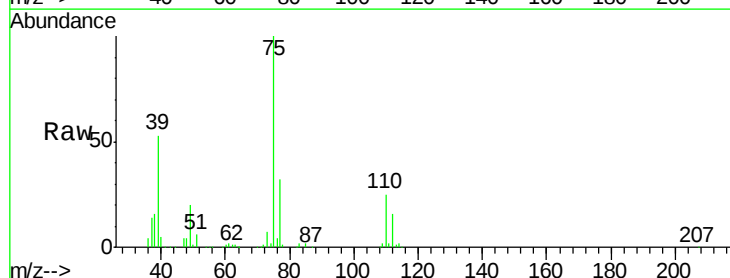
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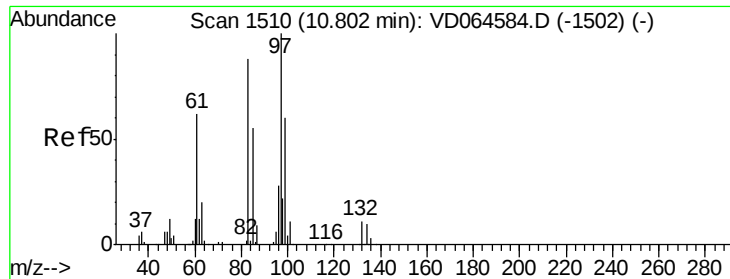
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#54
cis-1,3-Dichloropropene
Concen: 57.381 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8
39	52.8	41.4	62.2





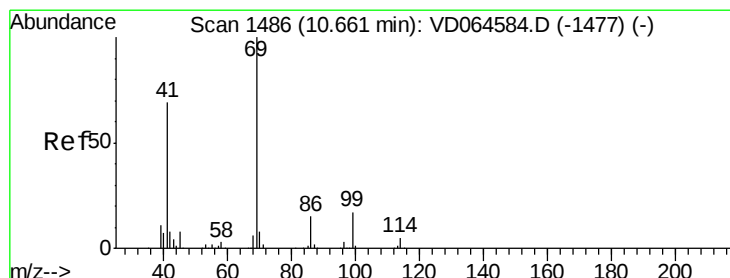
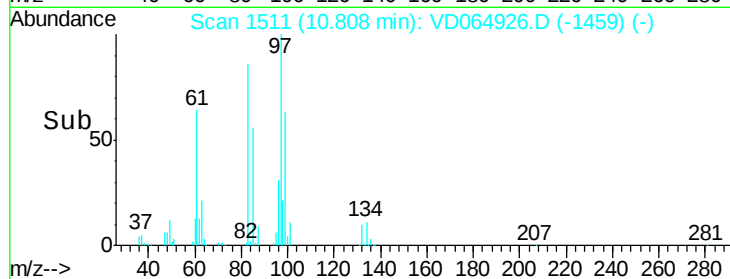
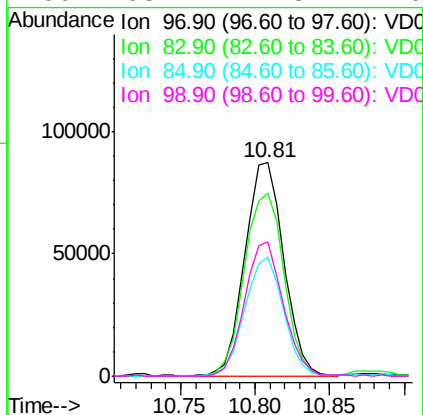
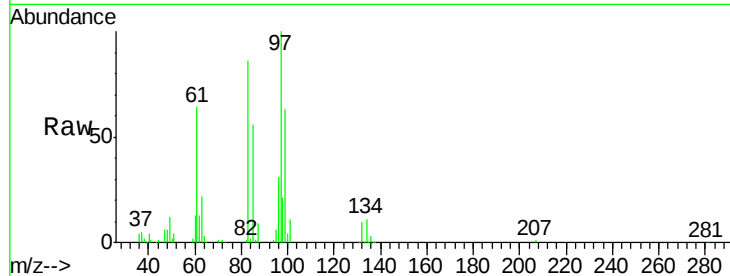
#55
 1,1,2-Trichloroethane
 Concen: 59.711 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.4
85	55.7	44.0	66.0
99	63.2	47.8	71.6

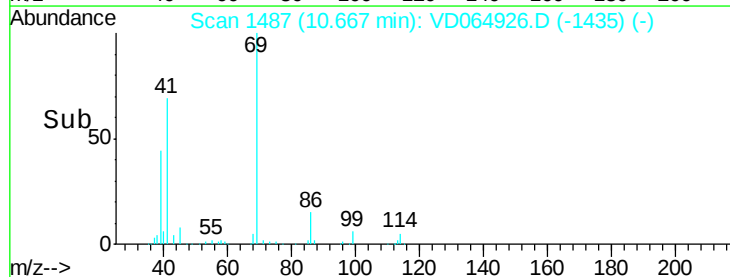
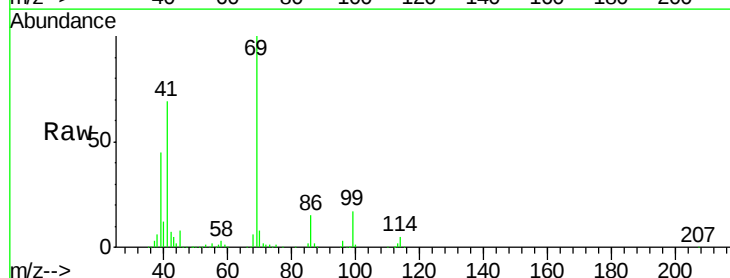
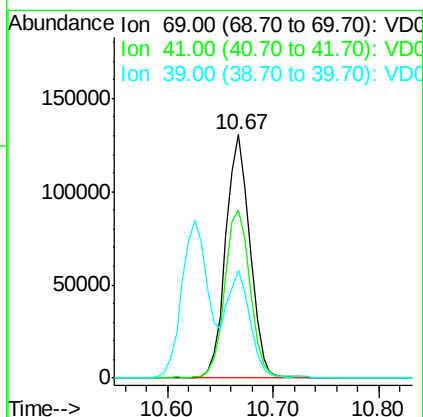
Manual Integrations
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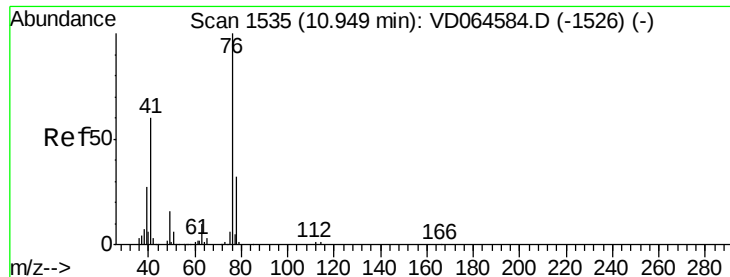
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#56
 Ethyl methacrylate
 Concen: 62.728 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.1	55.3	82.9
39	40.0	33.8	50.8





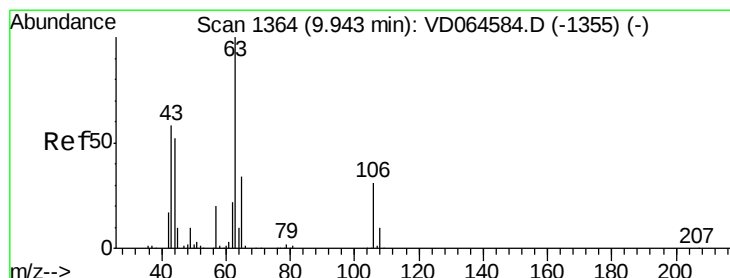
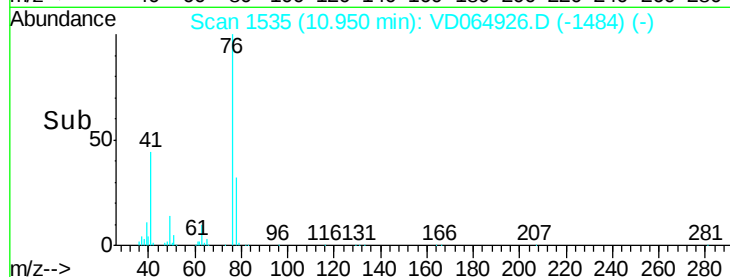
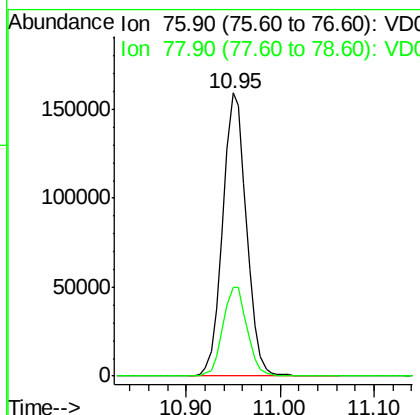
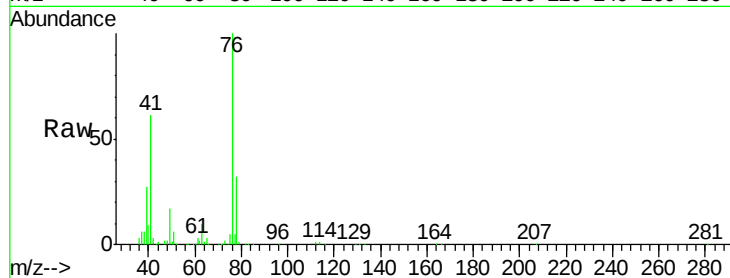
#57
 1,3-Dichloropropane
 Concen: 61.246 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 279858
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4

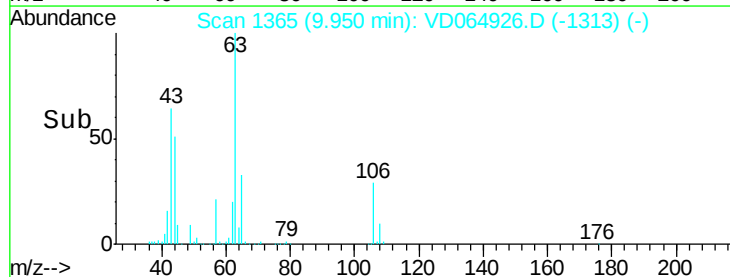
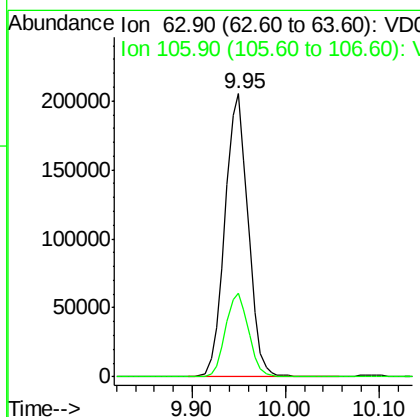
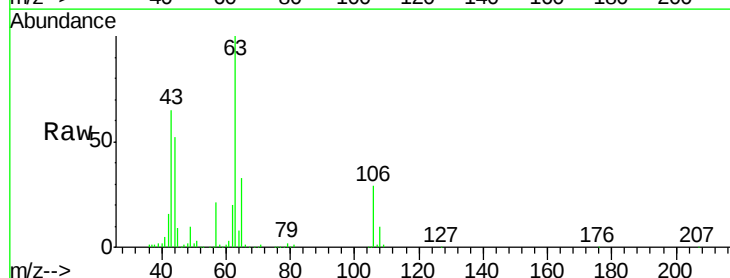
Manual Integrations
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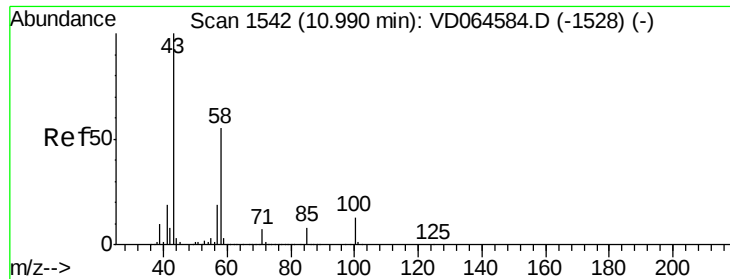
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#58
 2-Chloroethyl Vinyl ether
 Concen: 279.992 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion: 63 Resp: 353557
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.8 35.8





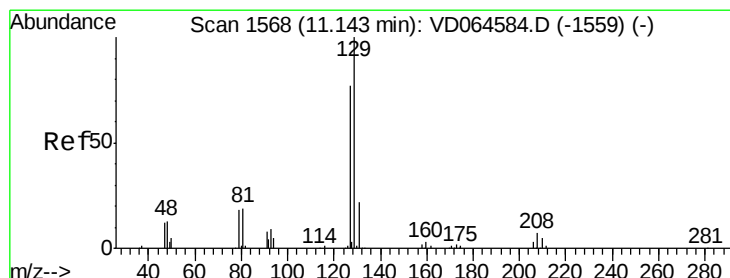
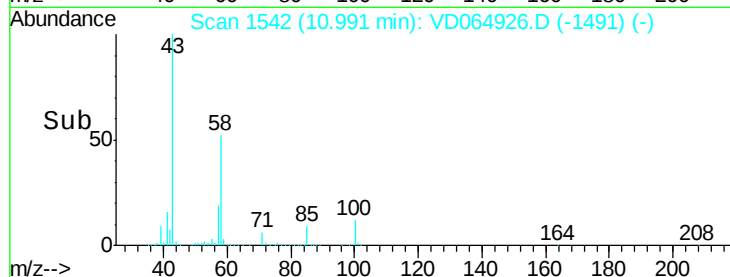
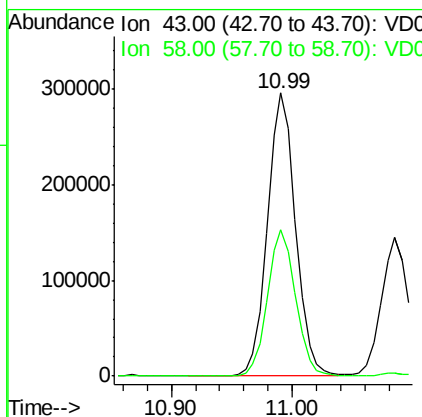
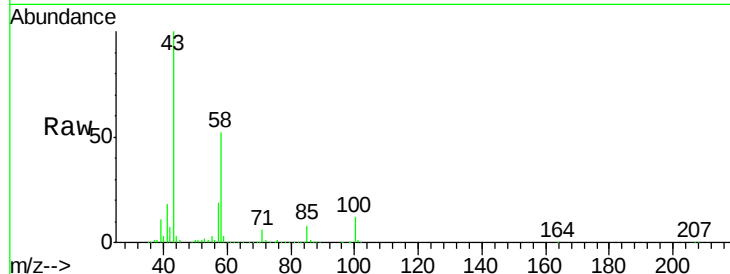
#59
2-Hexanone
Concen: 336.954 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 478981
Ion Ratio Lower Upper
43 100
58 51.8 26.4 79.0

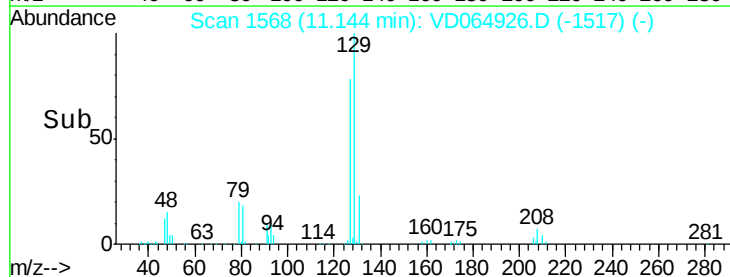
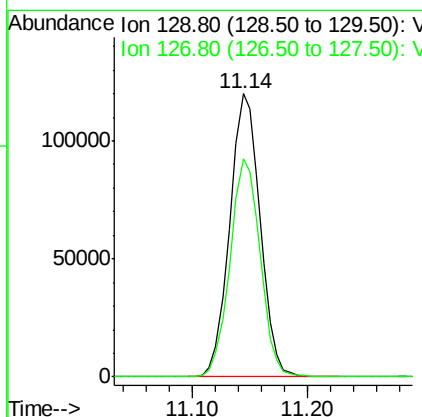
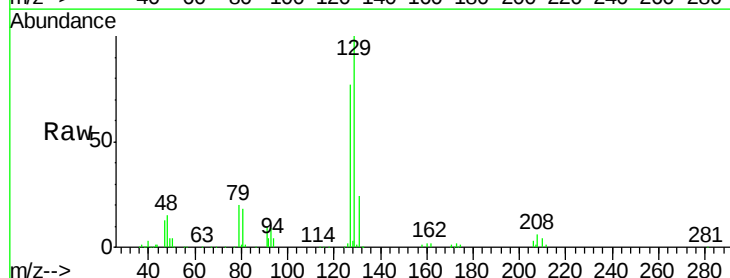
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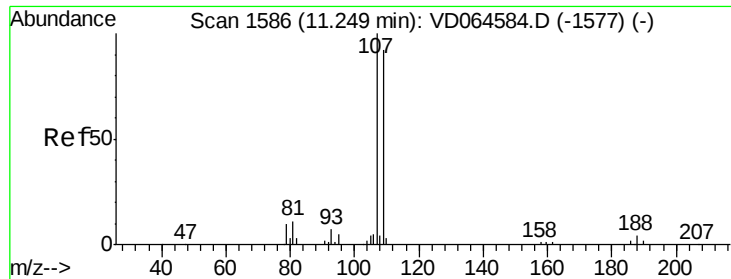
MMDadoda
1/23/2020 11:13:45 AM



#60
Dibromochloromethane
Concen: 59.570 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 129 Resp: 218621
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 58.091 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 152057

Ion Ratio Lower Upper

107 100

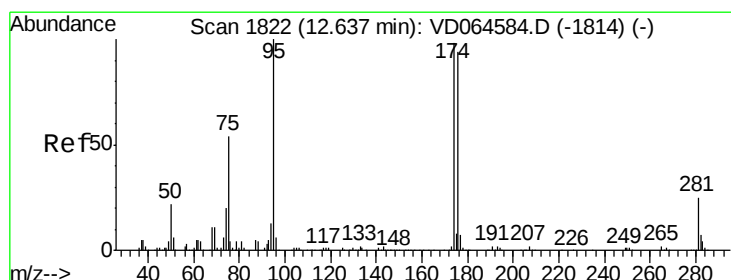
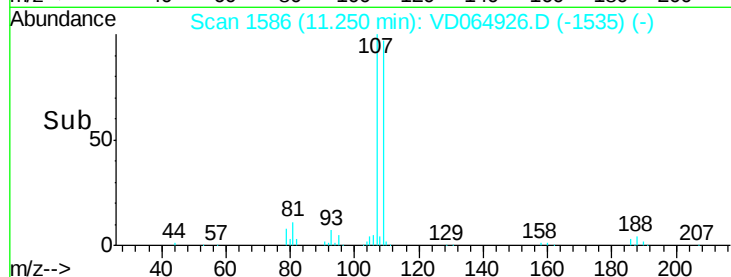
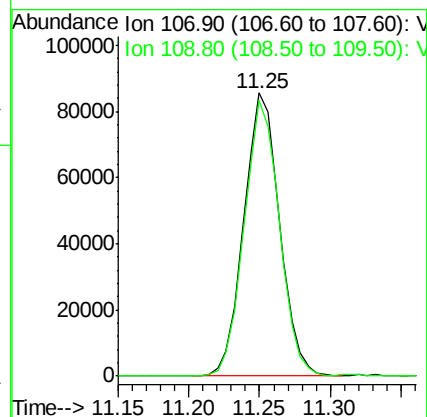
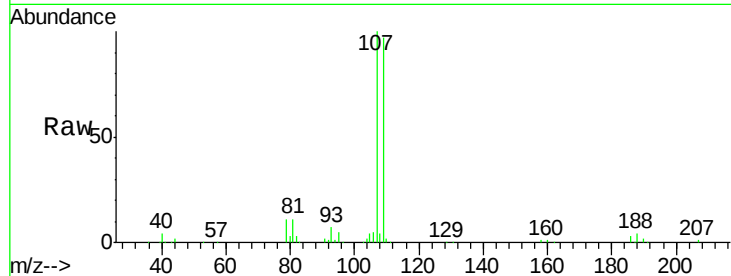
109 96.0 75.6 113.4

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MMDadoda

1/23/2020 11:13:45 AM



#62

4-Bromofluorobenzene

Concen: 54.843 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

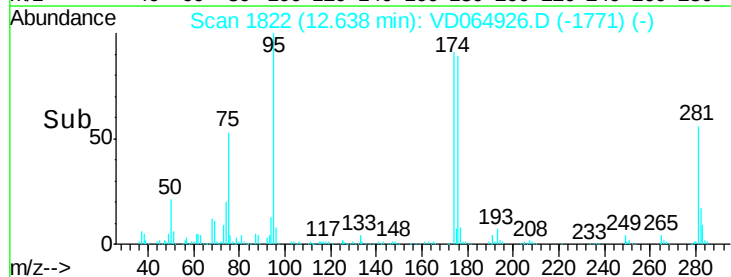
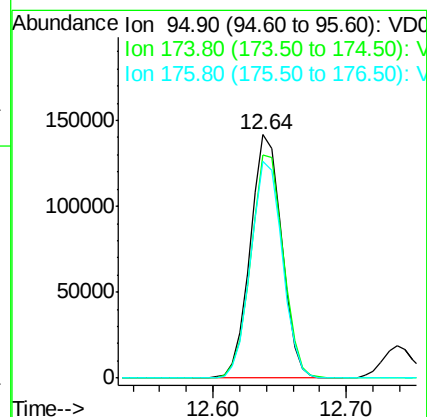
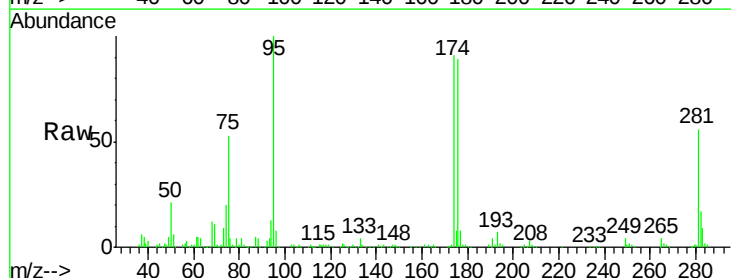
Tgt Ion: 95 Resp: 229417

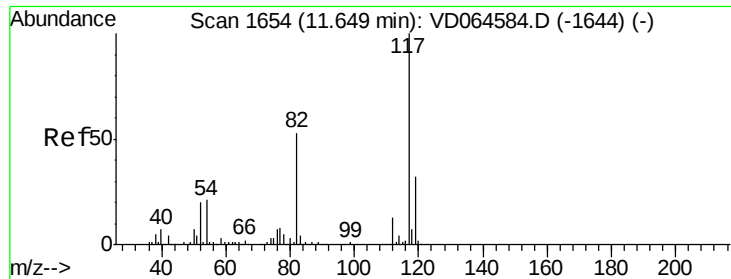
Ion Ratio Lower Upper

95 100

174 94.0 0.0 193.2

176 89.5 0.0 184.2





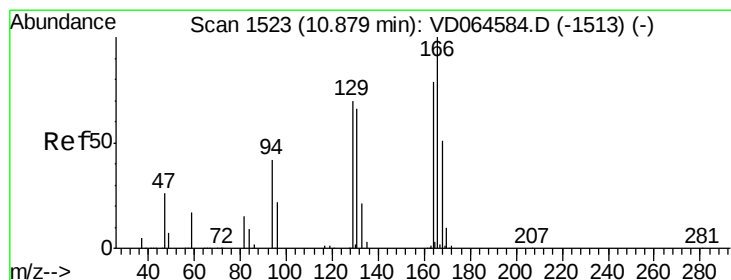
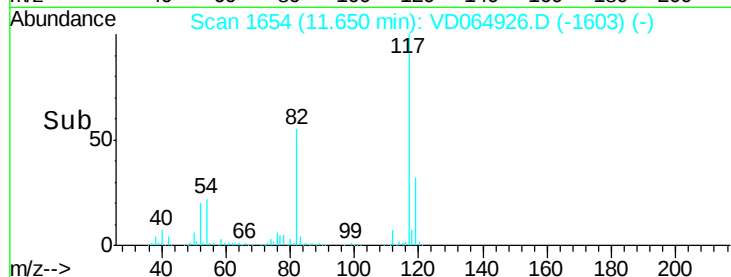
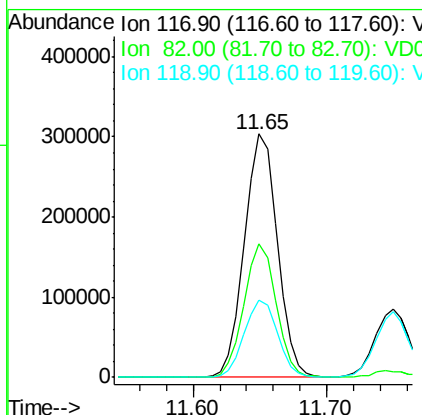
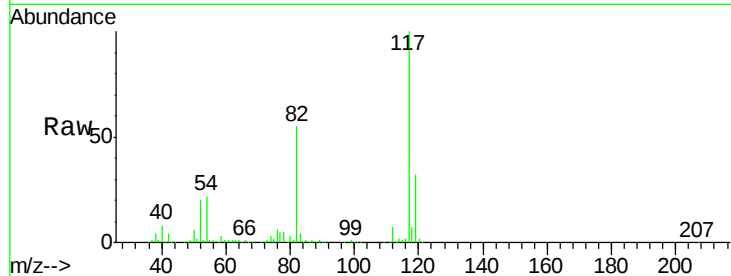
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	42.2	63.4
119	31.6	26.0	39.0

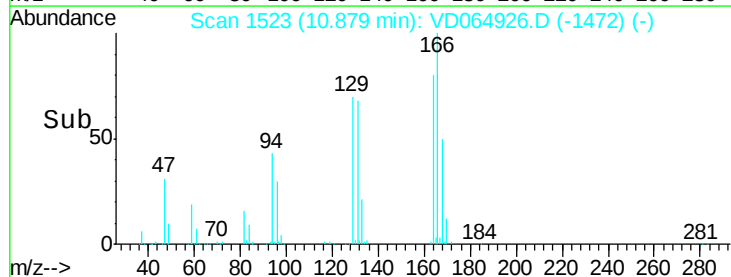
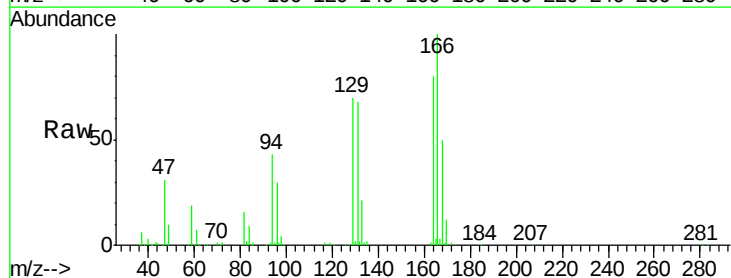
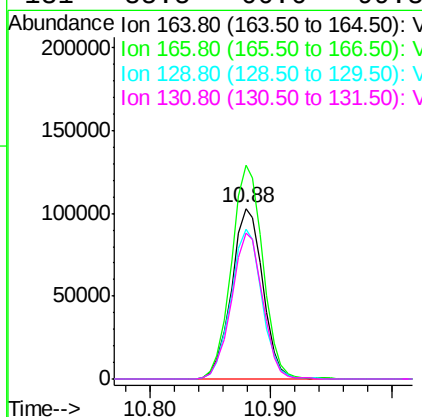
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#64
Tetrachloroethene
Concen: 46.921 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.3	151.9
129	87.7	70.5	105.7
131	85.5	66.6	99.8





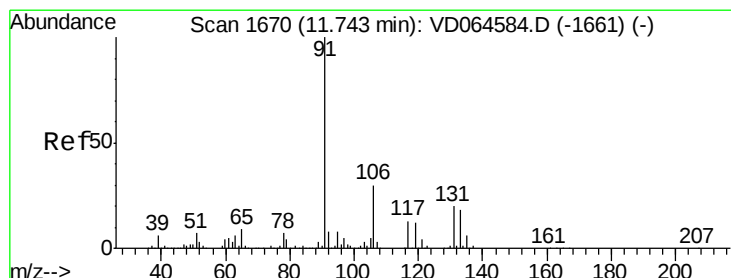
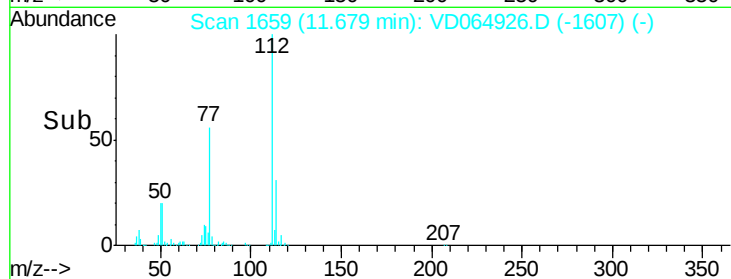
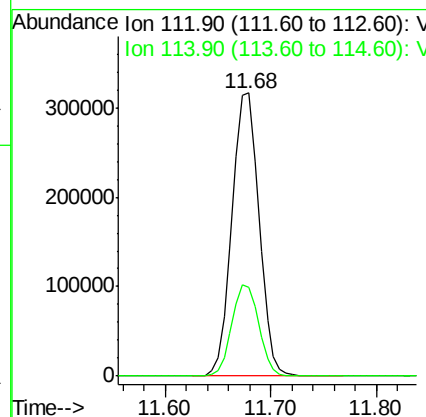
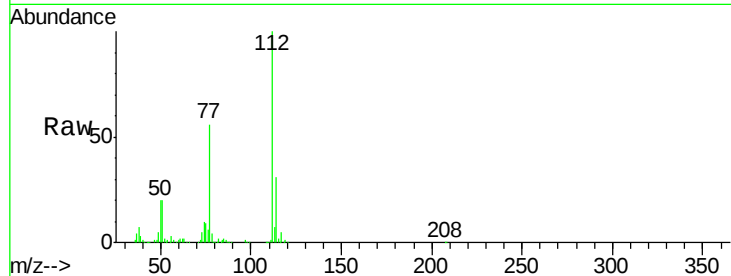
#65
Chlorobenzene
Concen: 52.205 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	24.8	37.2

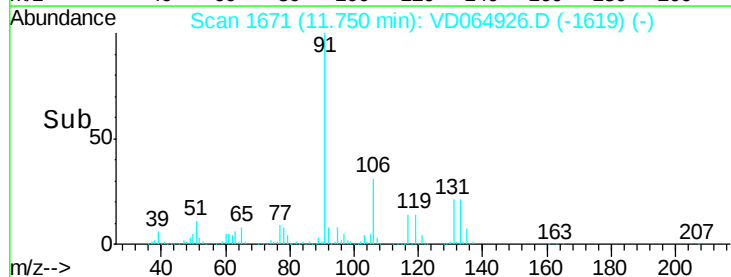
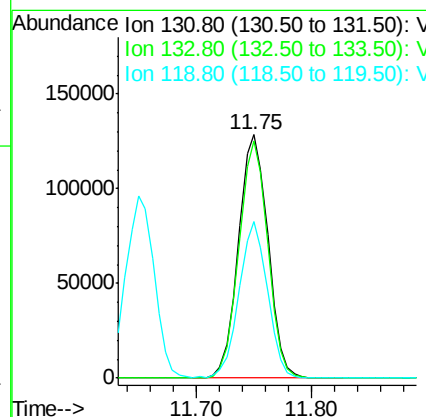
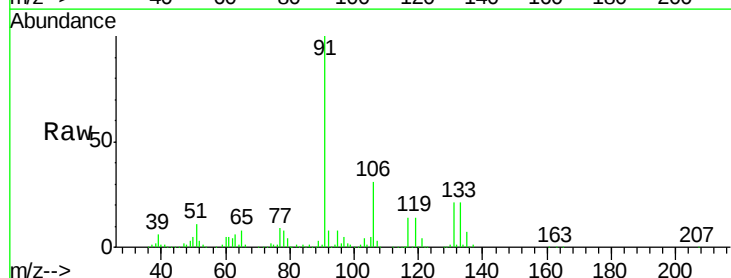
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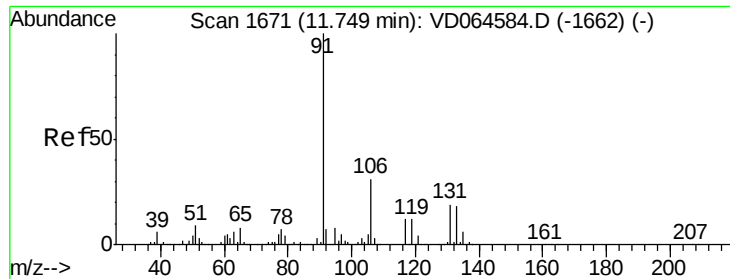
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.126 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.3	144.8
119	62.1	32.1	96.3





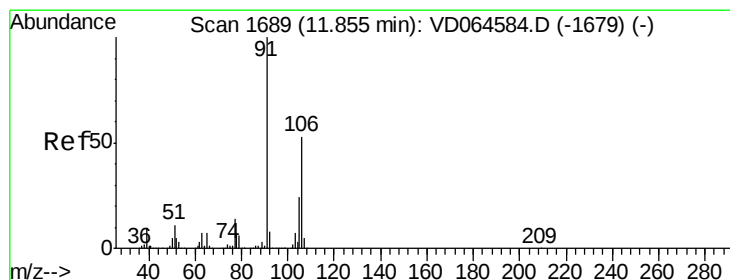
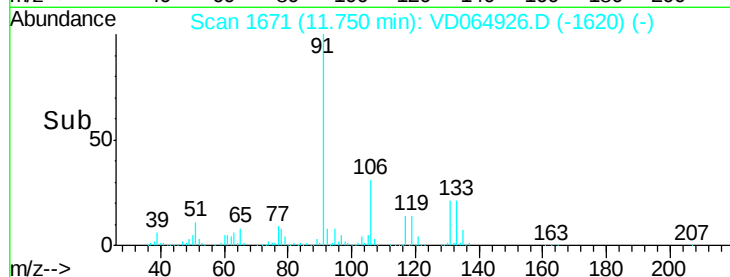
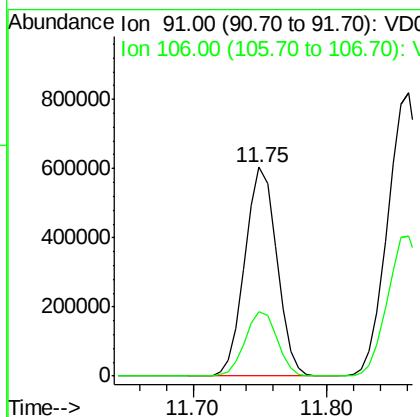
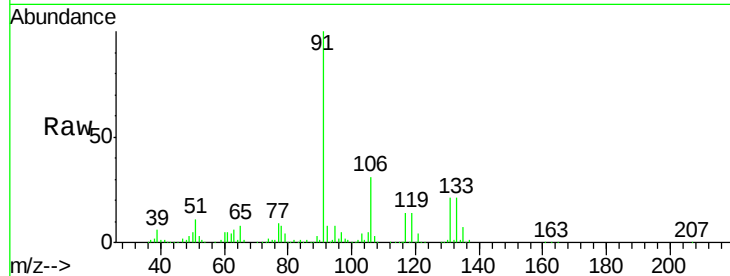
#67
Ethyl Benzene
Concen: 51.250 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1000899
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

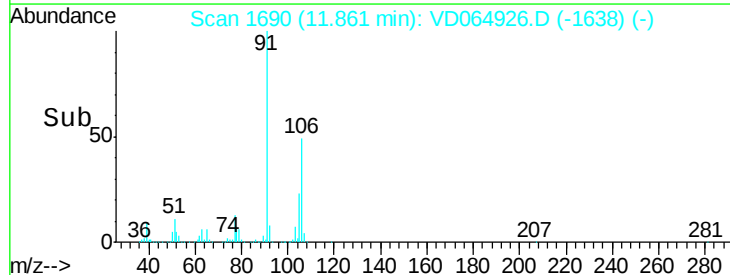
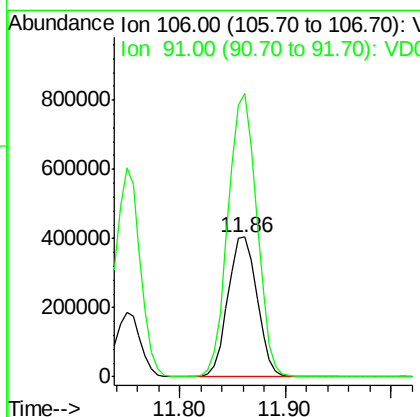
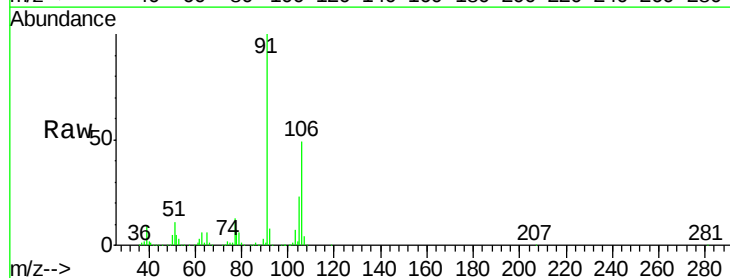
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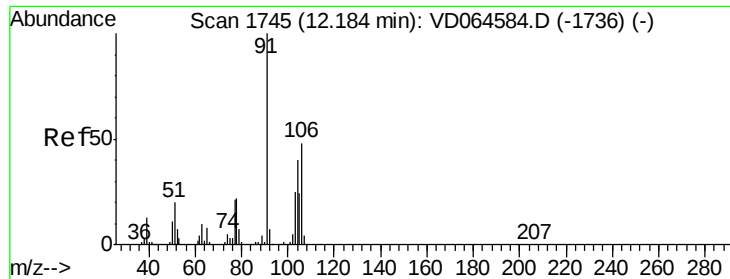
MMDadoda
1/23/2020 11:13:45 AM



#68
m/p-Xylenes
Concen: 103.042 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 106 Resp: 776743
Ion Ratio Lower Upper
106 100
91 199.0 156.3 234.5





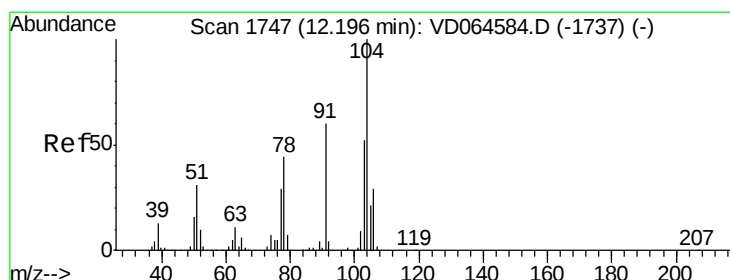
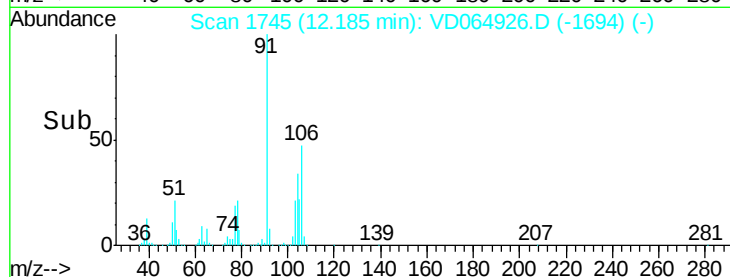
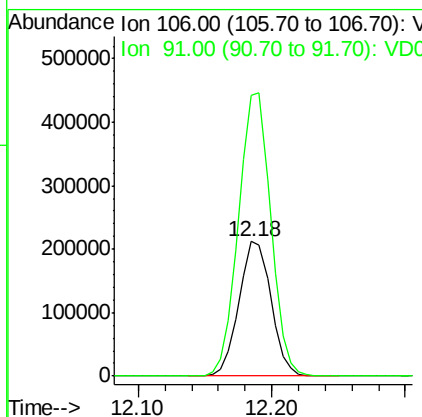
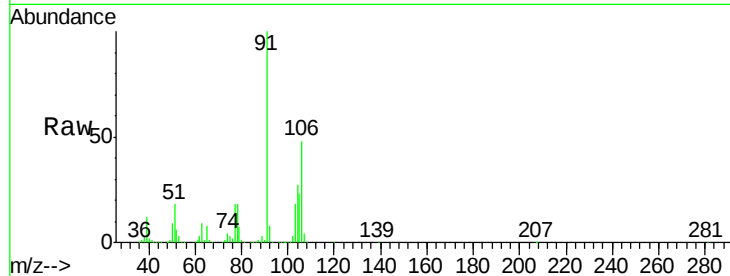
#69
o-Xylene
Concen: 52.043 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.0	104.8	314.4	

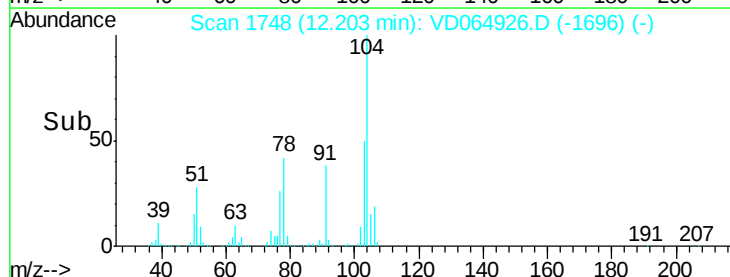
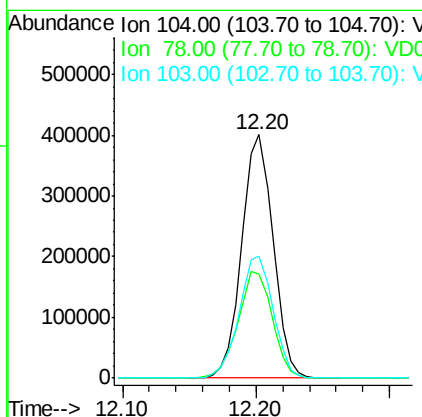
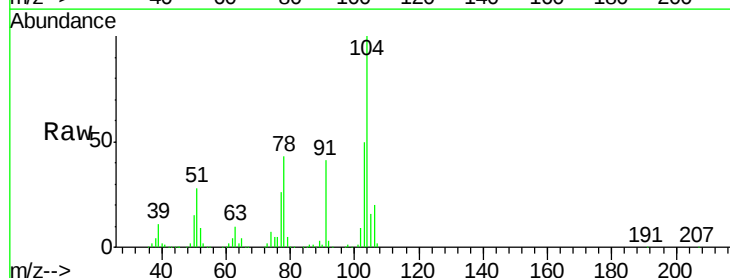
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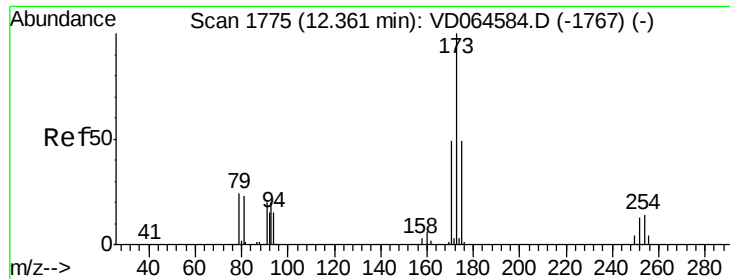
MMDadoda
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#70
Styrene
Concen: 54.630 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.9	38.2	57.2	
103	54.5	44.6	67.0	





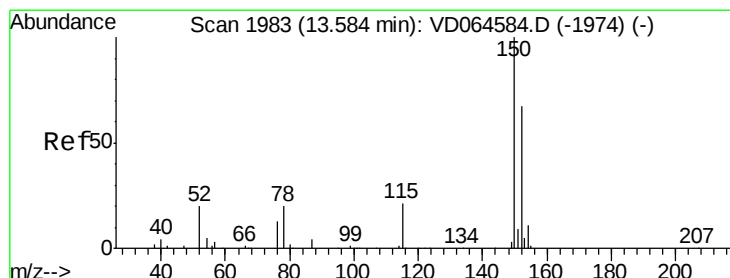
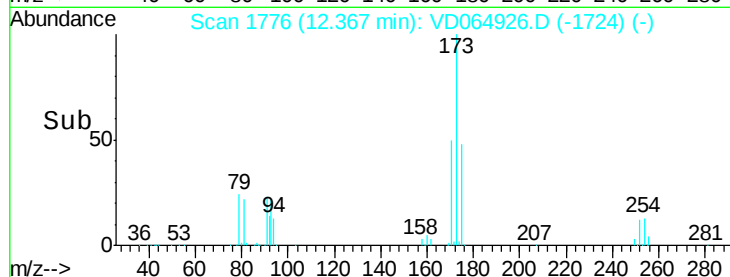
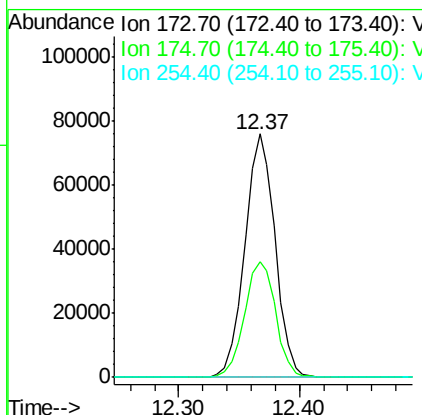
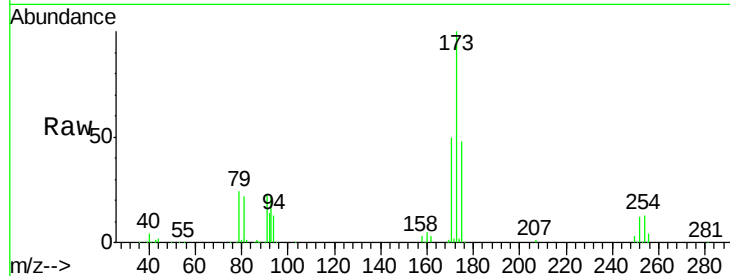
#71
Bromoform
Concen: 57.174 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	73.8
254	0.0	0.1	0.1#

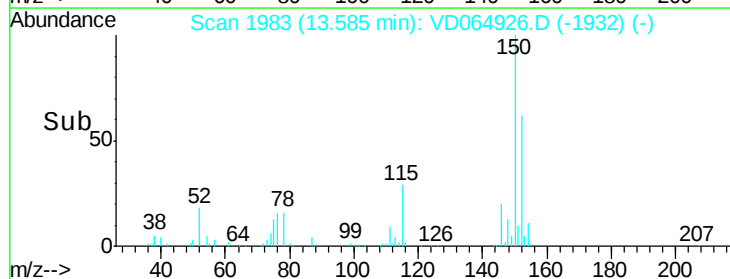
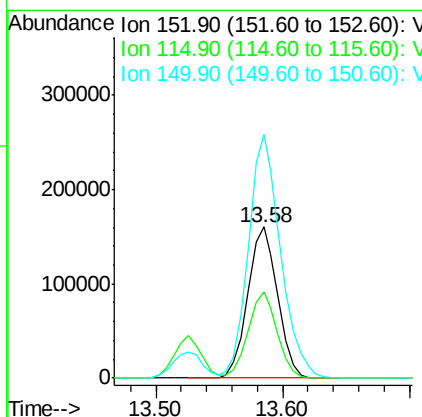
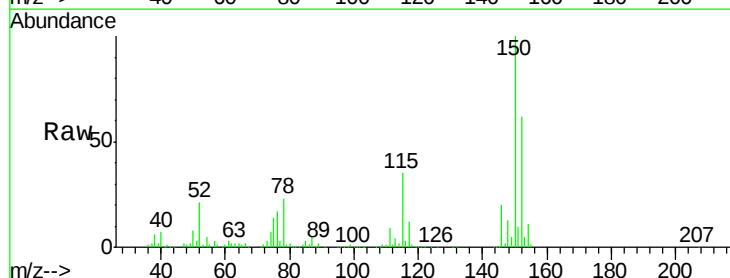
Manual Integrations
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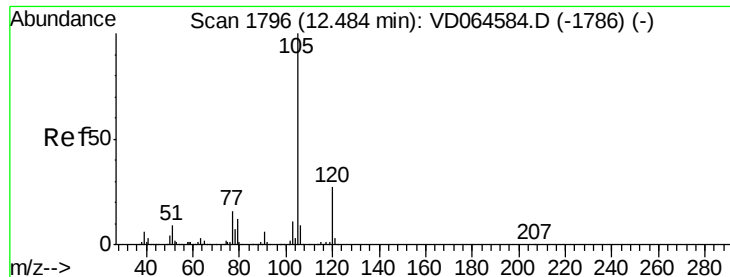
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.8	83.4
150	173.6	0.0	351.4





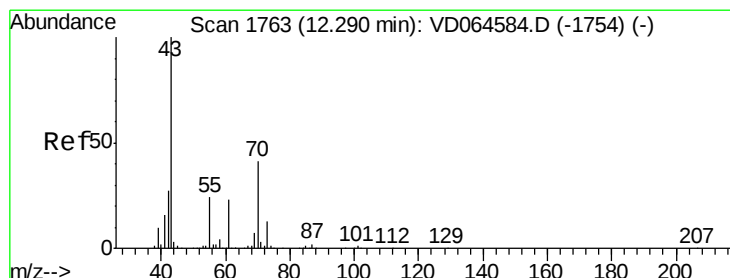
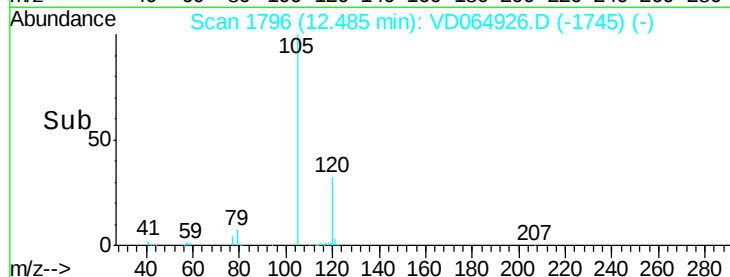
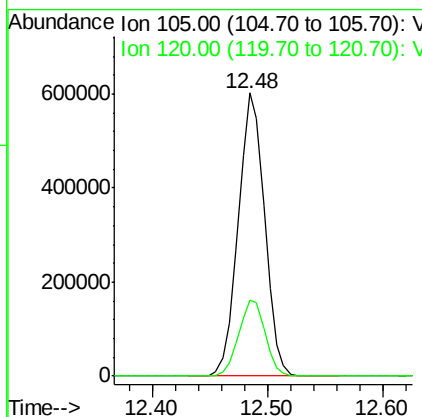
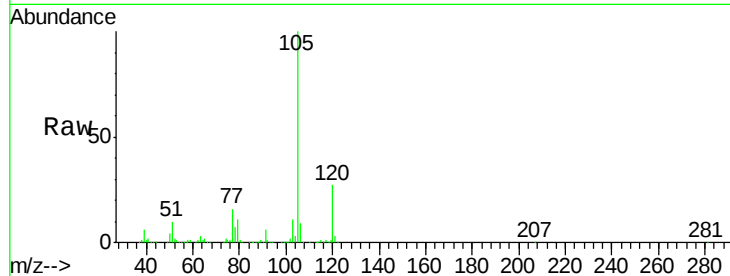
#73
Isopropylbenzene
Concen: 50.907 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.5

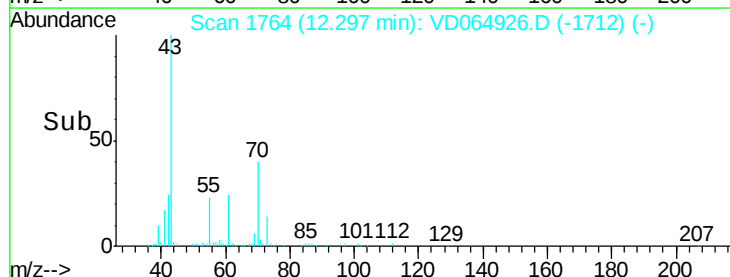
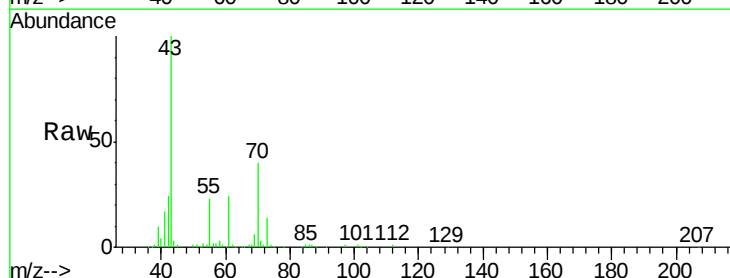
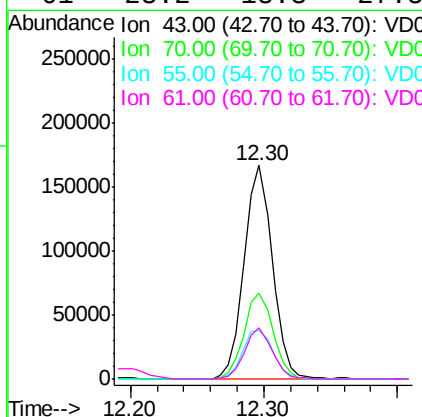
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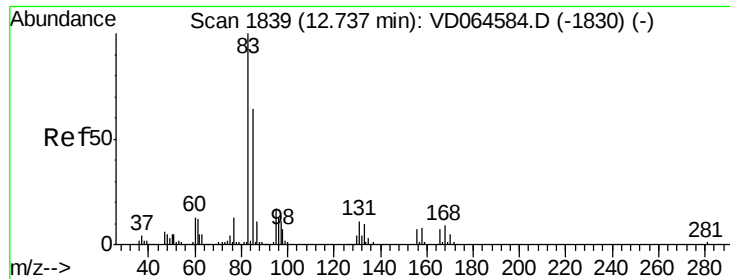
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#74
N-ethyl acetate
Concen: 60.985 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.8	33.4	50.0
55	24.8	19.4	29.0
61	23.2	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 60.065 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

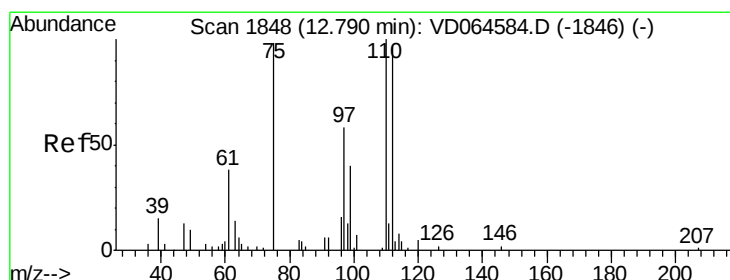
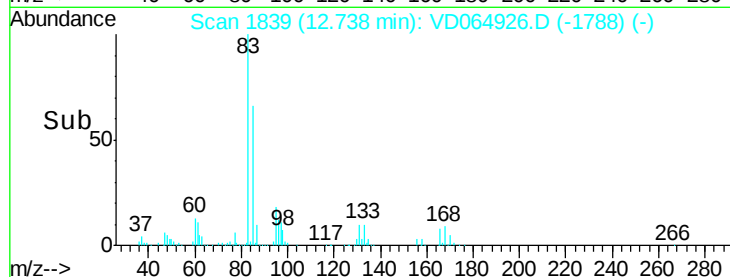
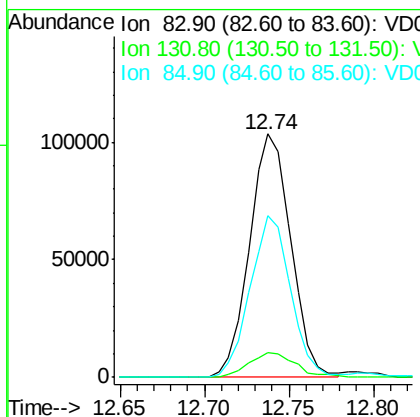
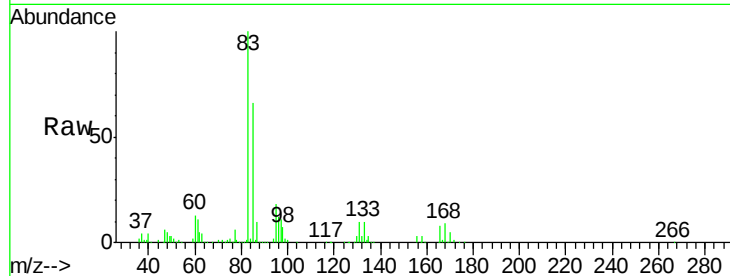
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	176354
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	65.0	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 57.603 ug/l m

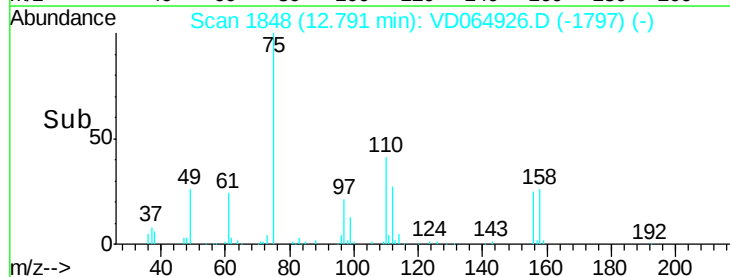
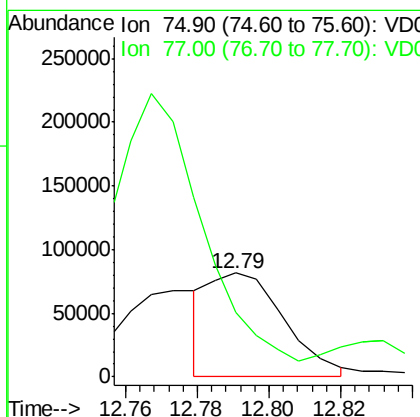
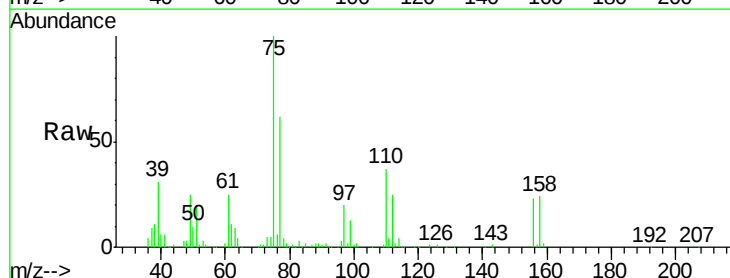
RT: 12.79 min Scan# 1848

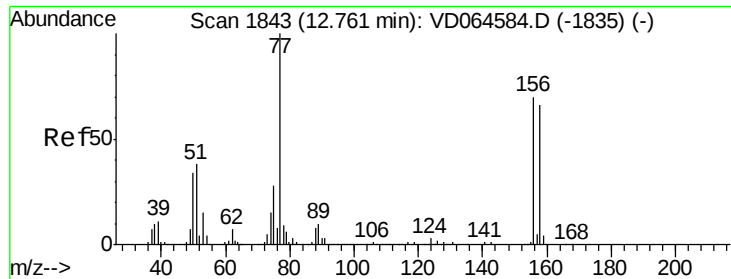
Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Tgt Ion:	75	Resp:	118965
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.563 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

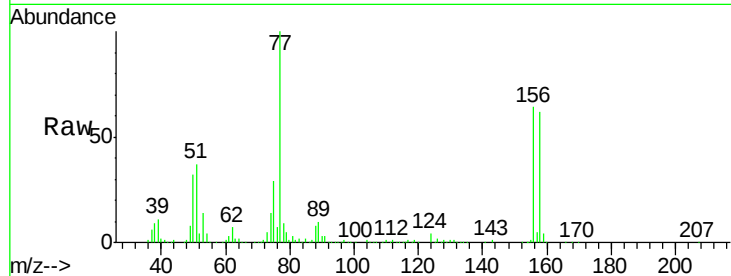
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	241393
Ion Ratio	Lower	Upper	
156	100		
77	170.0	80.9	242.7
158	97.5	48.0	144.2

Manual Integrations
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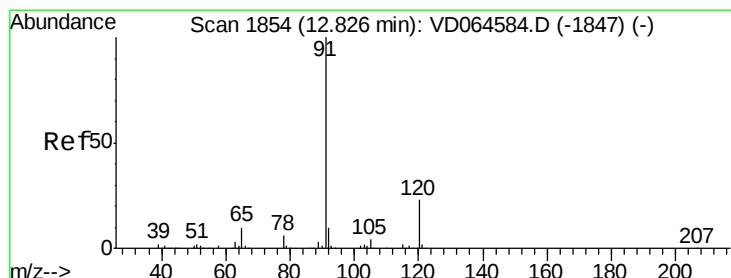
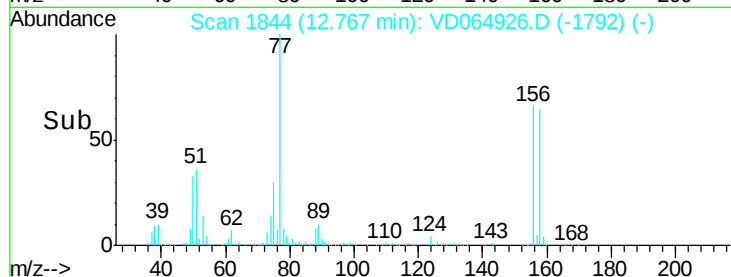
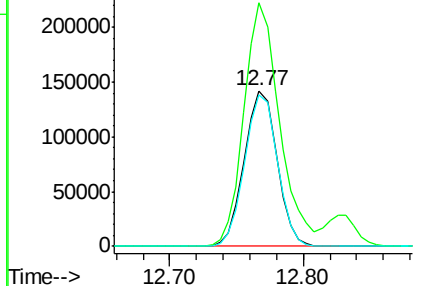
MMDadoda
1/23/2020 11:13:45 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.675 ug/l

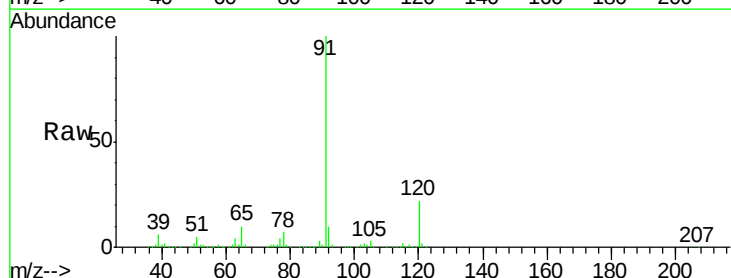
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064926.D

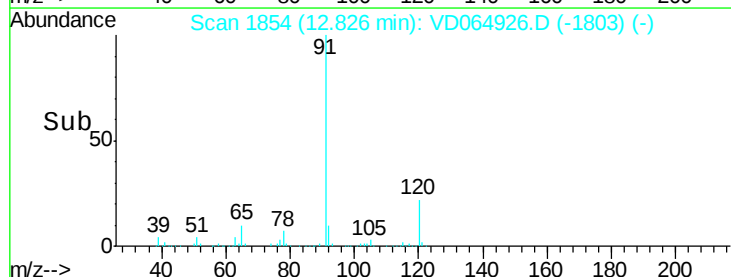
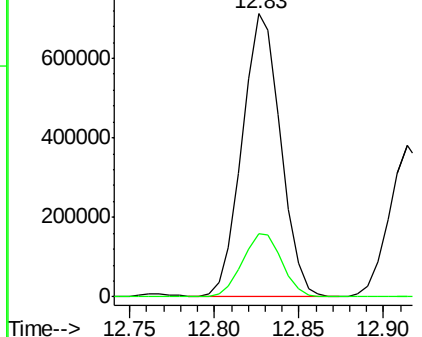
Acq: 22 Jan 2020 19:29

Tgt Ion:	91	Resp:	1126739
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





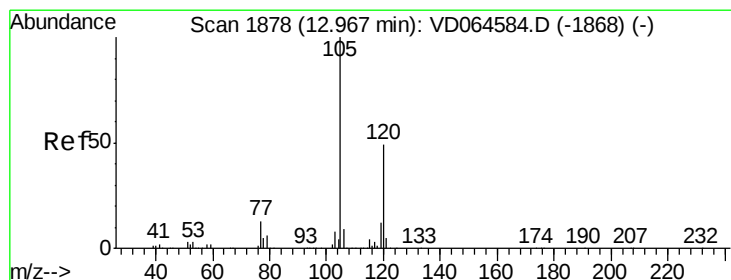
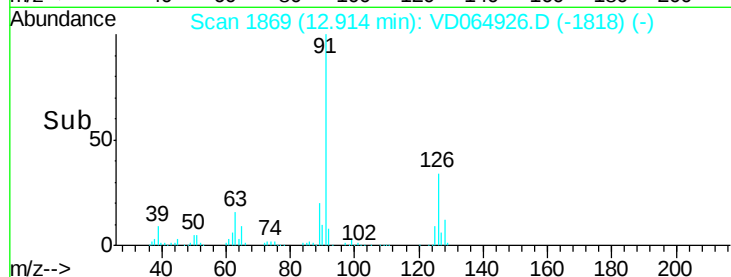
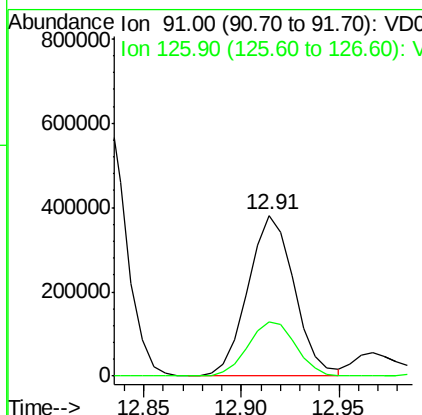
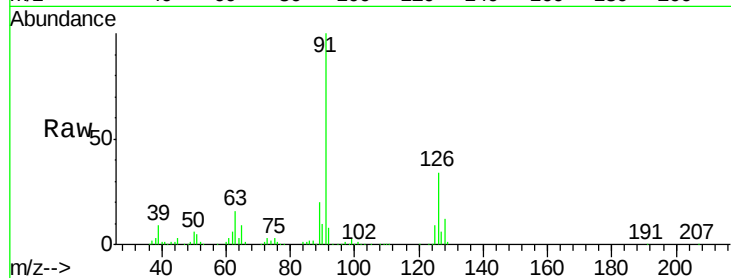
#79
2-Chlorotoluene
Concen: 52.459 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 628358
Ion Ratio Lower Upper
91 100
126 34.7 17.8 53.5

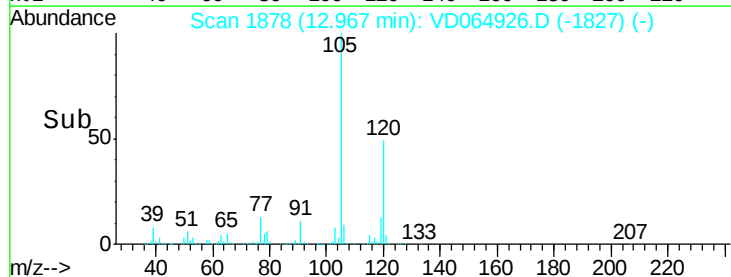
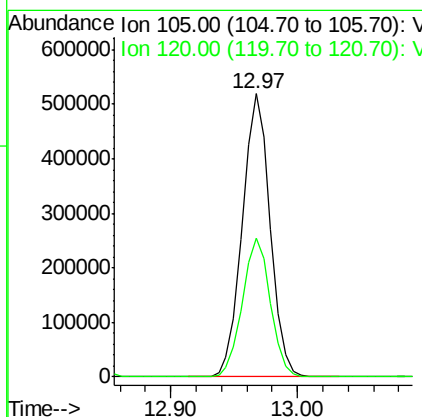
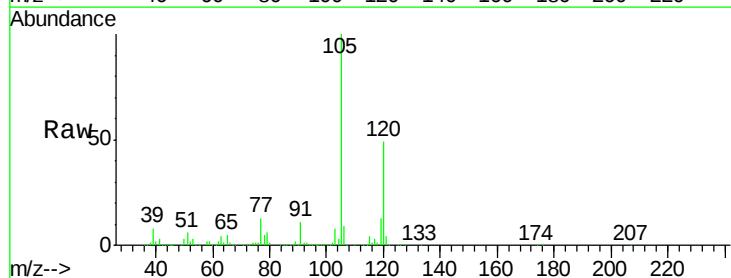
Manual Integrations
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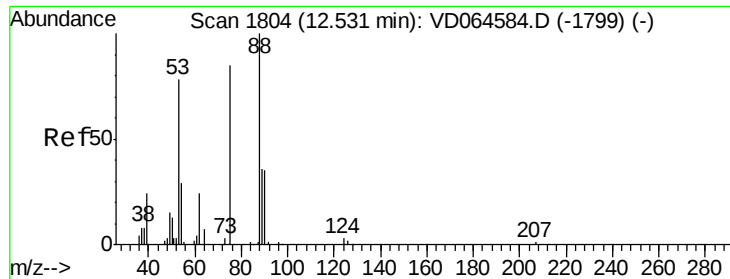
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1/23/2020 11:13:45 AM



#80
1,3,5-Trimethylbenzene
Concen: 51.298 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion: 105 Resp: 787583
Ion Ratio Lower Upper
105 100
120 49.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.676 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 59916

Ion Ratio Lower Upper

75 100

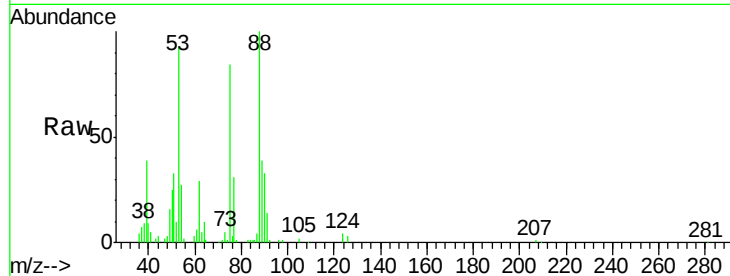
53 99.7 78.8 118.2

89 45.9 38.3 57.5

Manual Integrations
APPROVED

MMDadoda

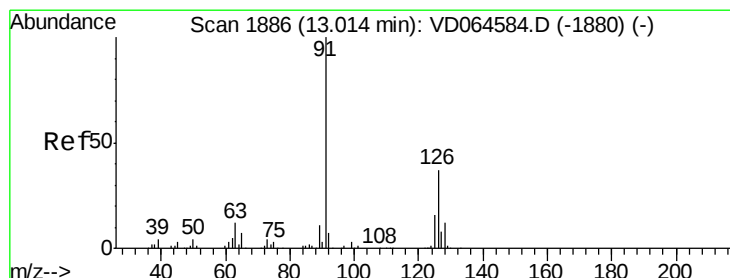
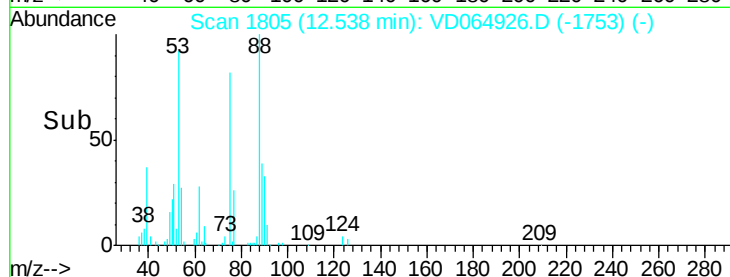
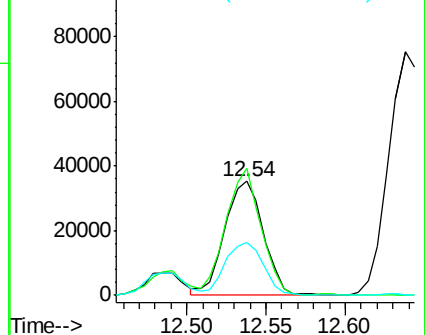
1/23/2020 11:13:45 AM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 52.317 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064926.D

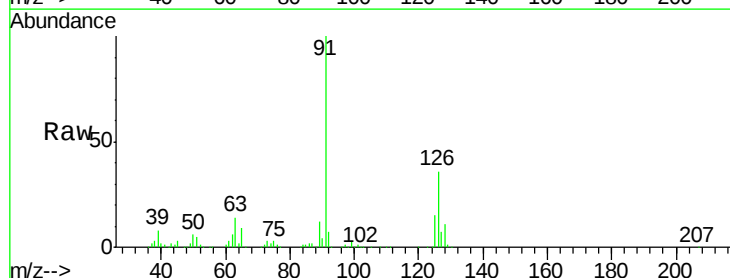
Acq: 22 Jan 2020 19:29

Tgt Ion: 91 Resp: 666886

Ion Ratio Lower Upper

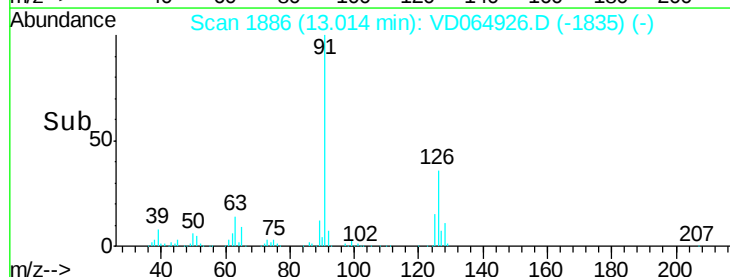
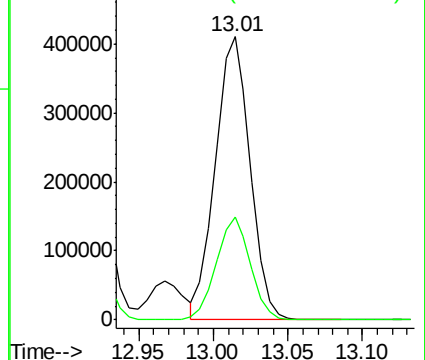
91 100

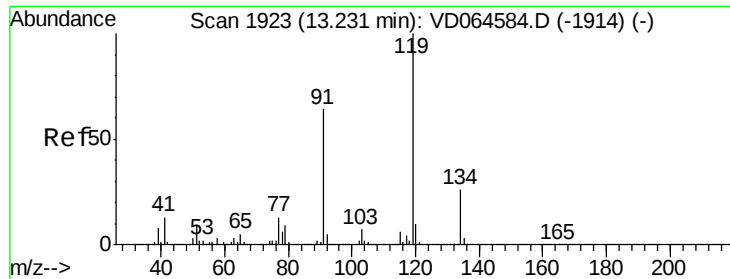
126 35.7 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





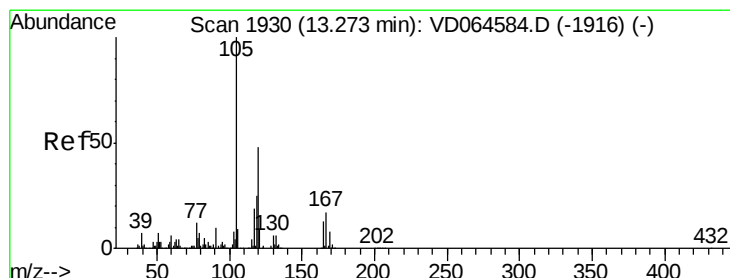
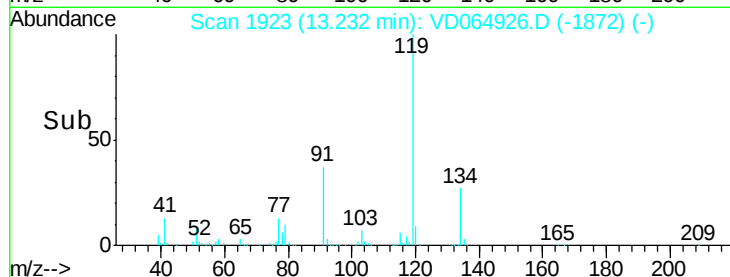
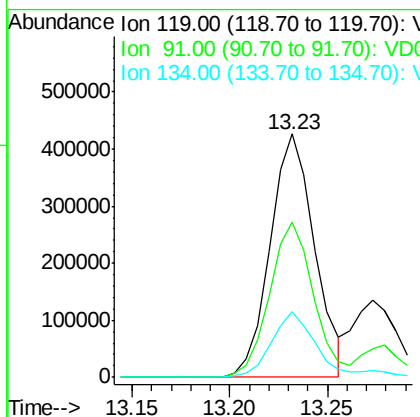
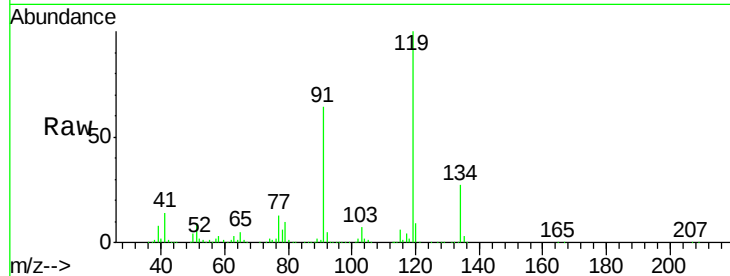
#83
tert-Butylbenzene
Concen: 50.412 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	30.8	92.4
134	28.0	12.8	38.3

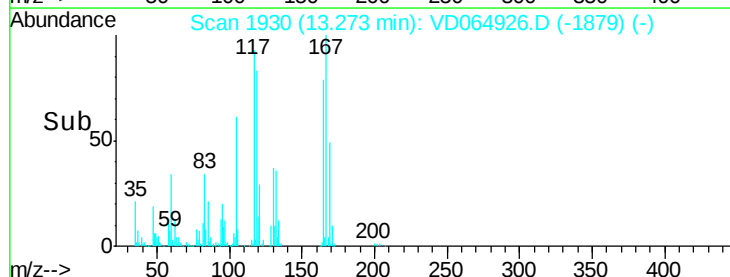
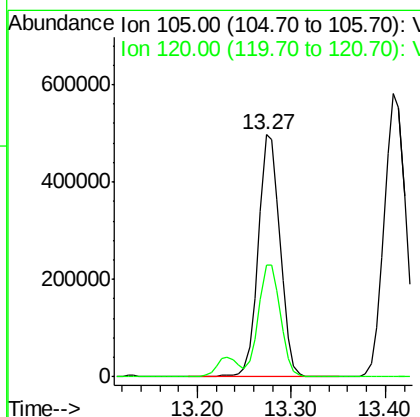
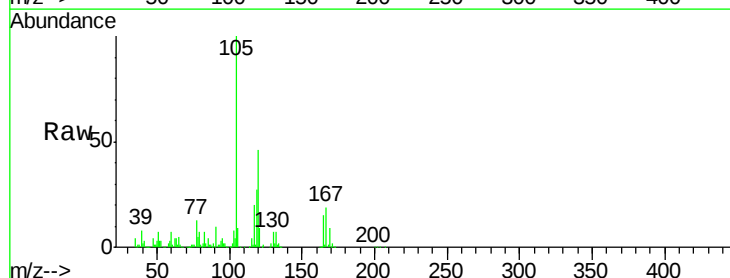
Manual Integrations
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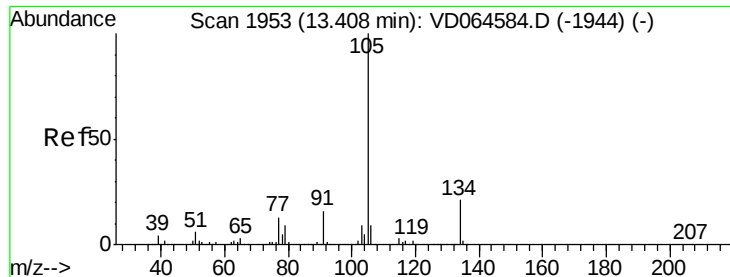
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#84
1,2,4-Trimethylbenzene
Concen: 52.066 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.8	71.2





#85

sec-Butylbenzene

Concen: 50.900 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 930203

Ion Ratio Lower Upper

105 100

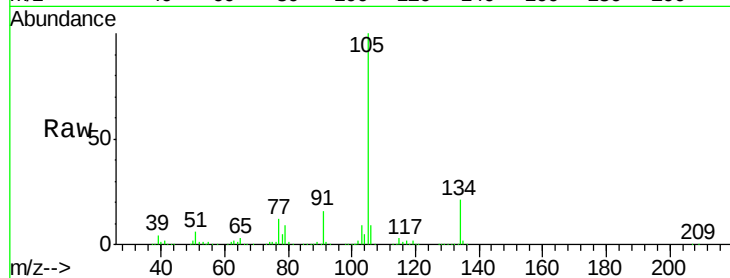
134 20.6 10.6 31.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

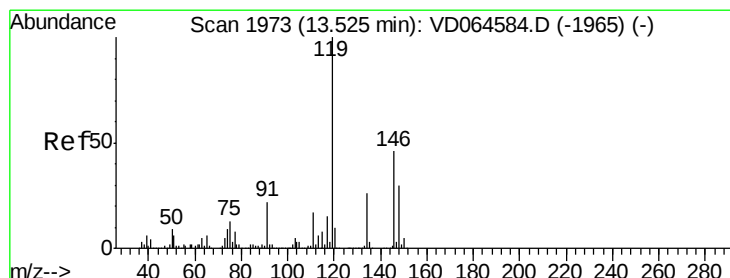
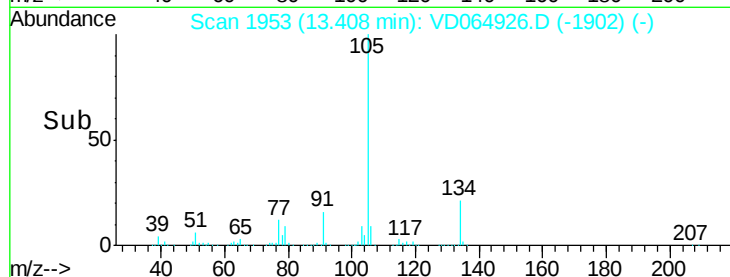
600000

400000

200000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 49.962 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064926.D

Acq: 22 Jan 2020 19:29

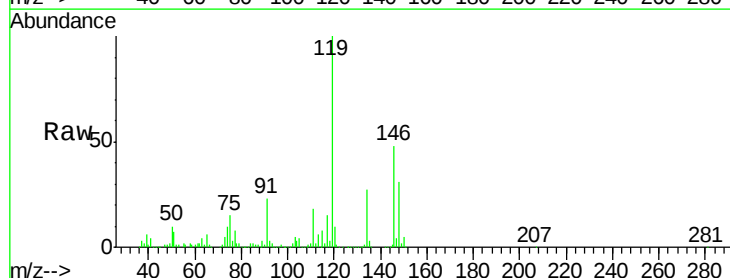
Tgt Ion:119 Resp: 873062

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 23.2 11.2 33.6



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

13.53

800000

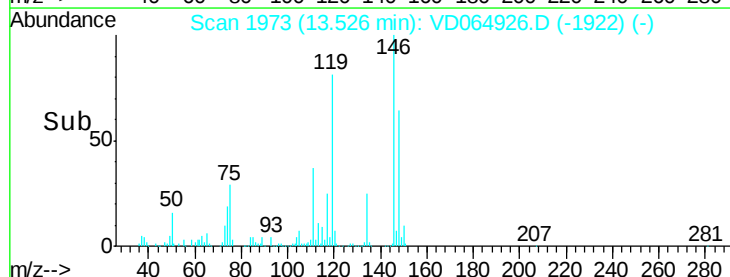
600000

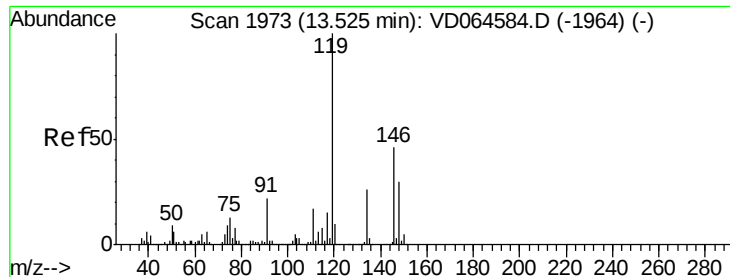
400000

200000

0

Time--> 13.45 13.50 13.55 13.60





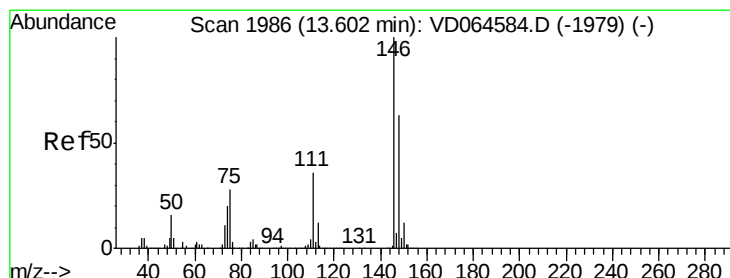
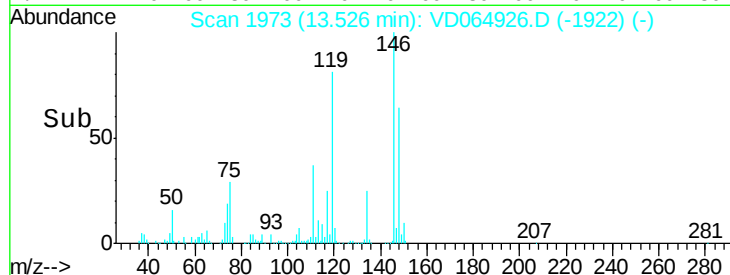
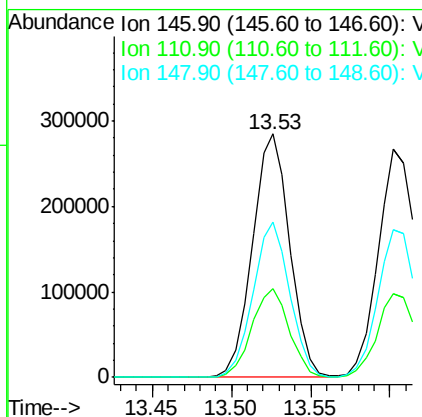
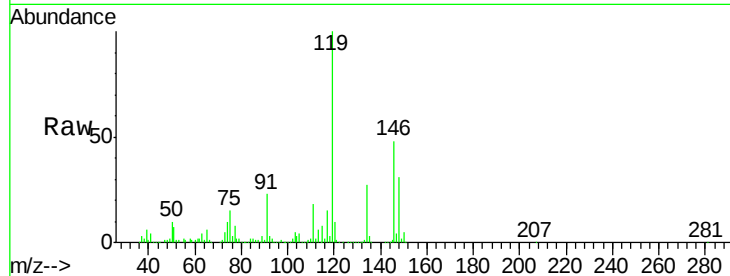
#87
 1,3-Dichlorobenzene
 Concen: 53.098 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.8	56.4
148	62.7	32.5	97.5

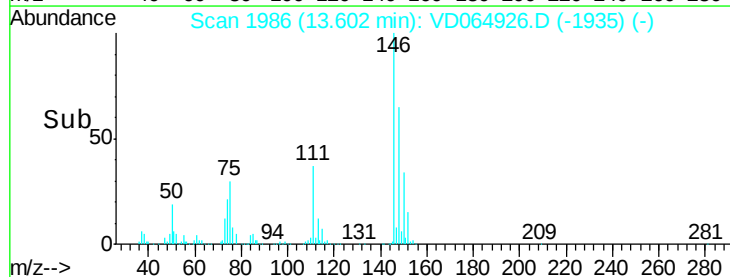
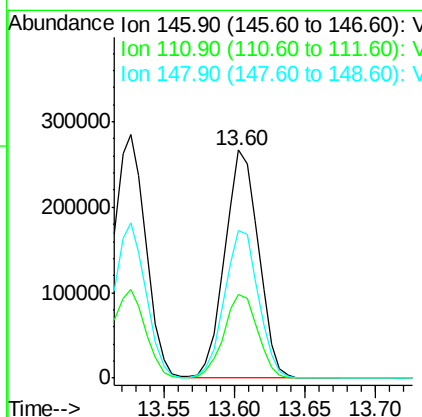
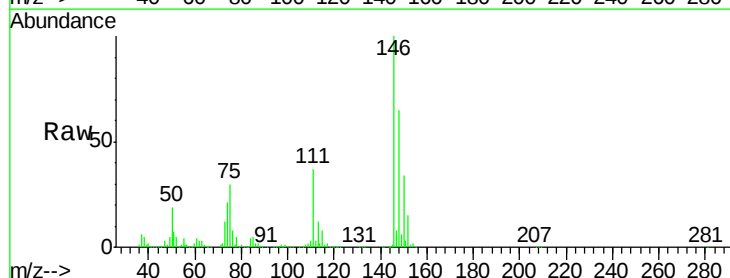
Manual Integrations
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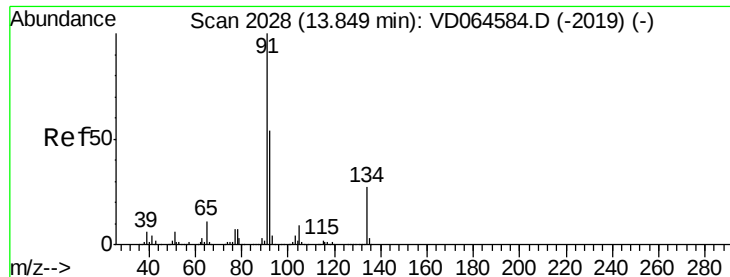
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#88
 1,4-Dichlorobenzene
 Concen: 51.646 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.1
148	65.1	32.3	96.9





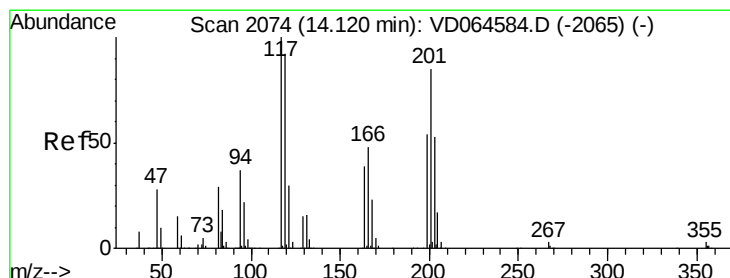
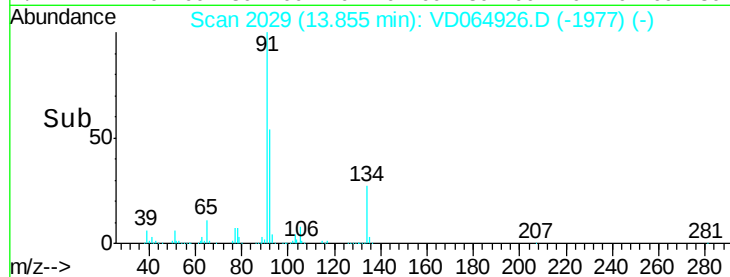
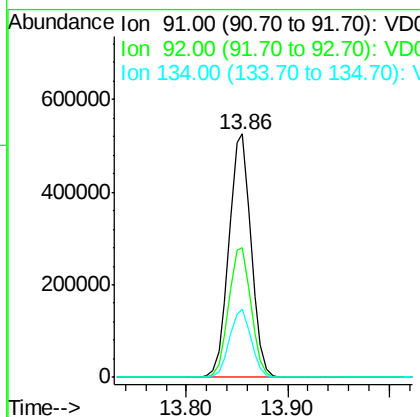
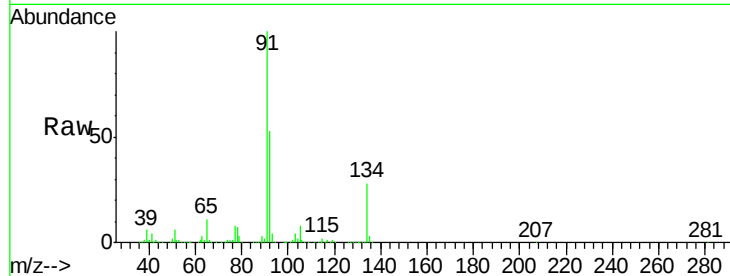
#89
n-Butylbenzene
Concen: 50.383 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.4
134	27.4	14.0	41.9

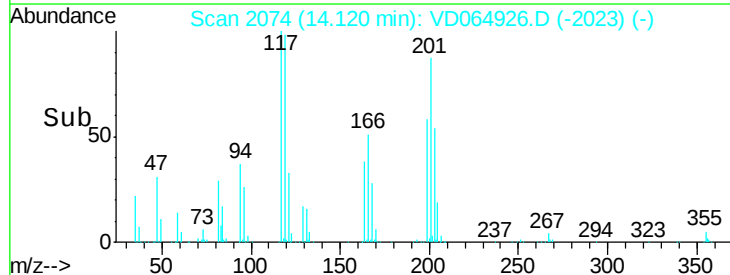
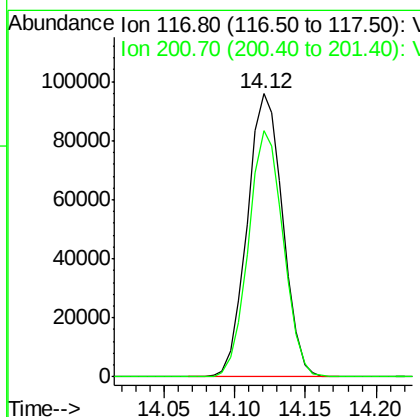
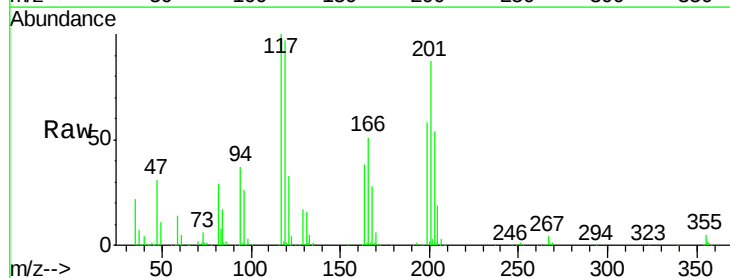
Manual Integrations
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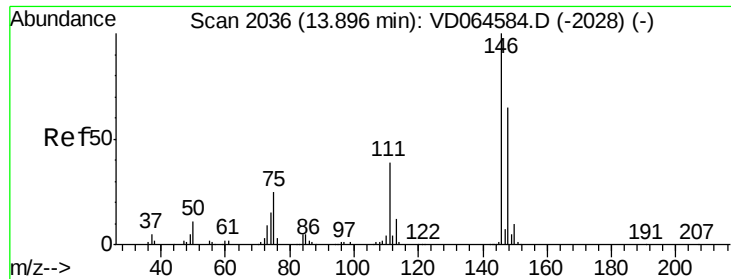
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#90
Hexachloroethane
Concen: 50.761 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	44.0	131.8





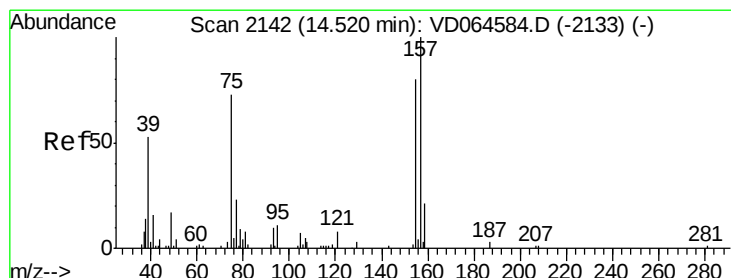
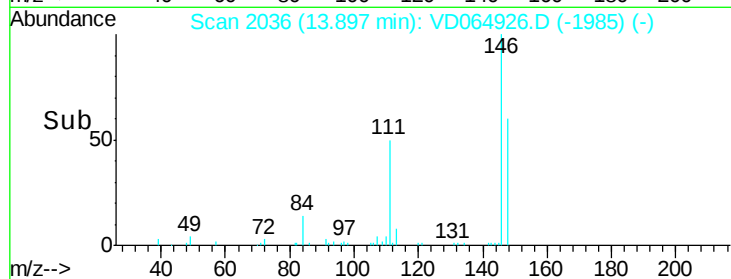
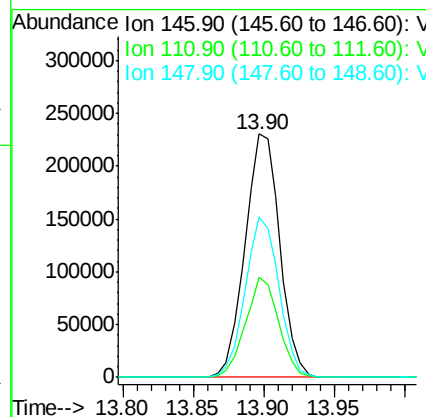
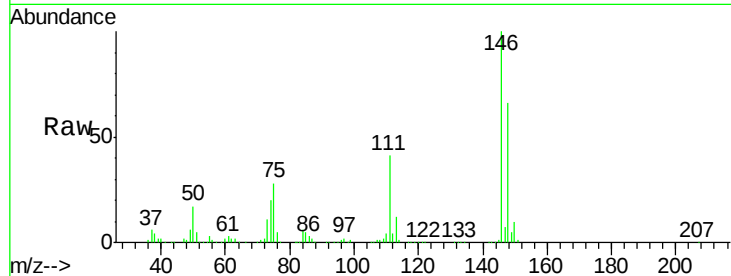
#91
 1,2-Dichlorobenzene
 Concen: 53.150 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	64.5	31.9	95.5

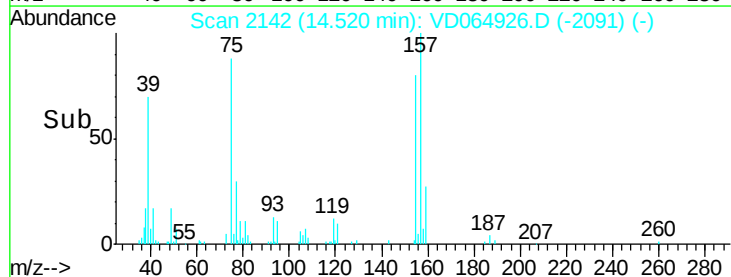
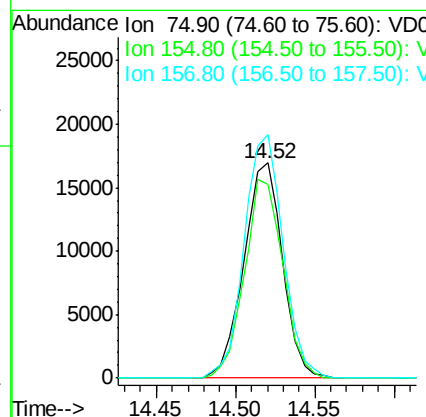
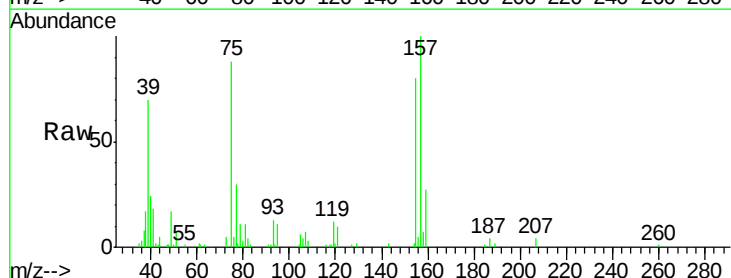
Manual Integrations
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 1/23/2020 11:13:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.279 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	48.0	144.0
157	113.9	64.1	192.3





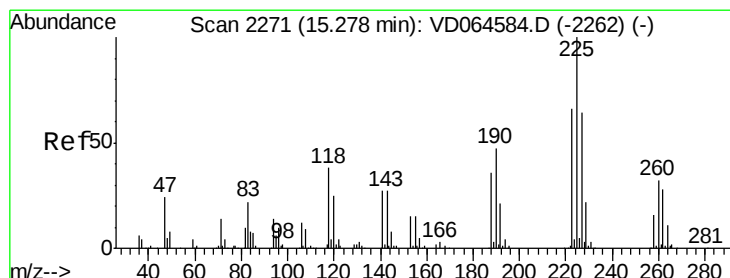
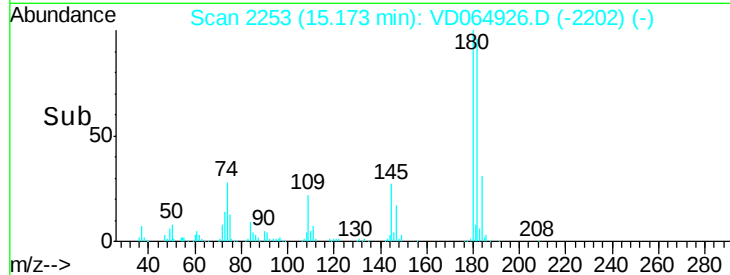
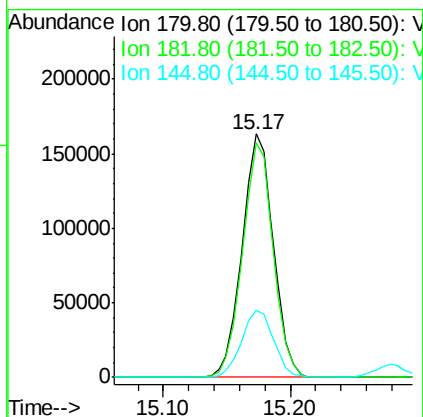
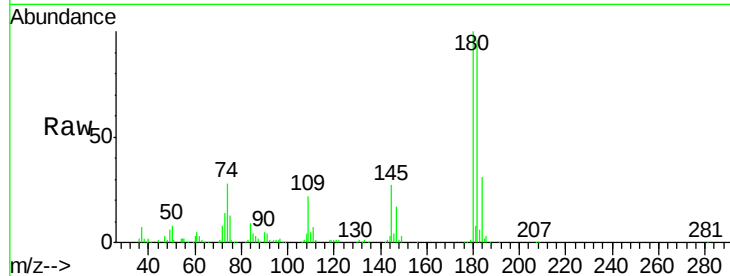
#93
 1,2,4-Trichlorobenzene
 Concen: 50.653 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	278426		
182	94.7	48.0	144.2	
145	28.3	13.8	41.4	

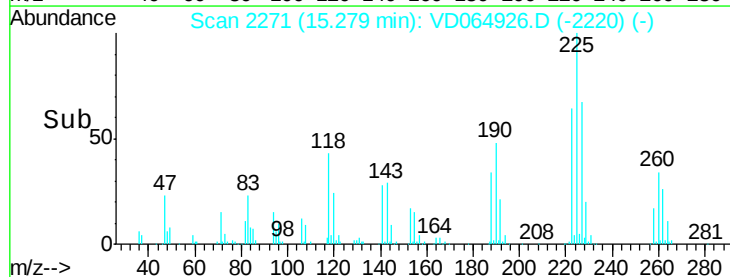
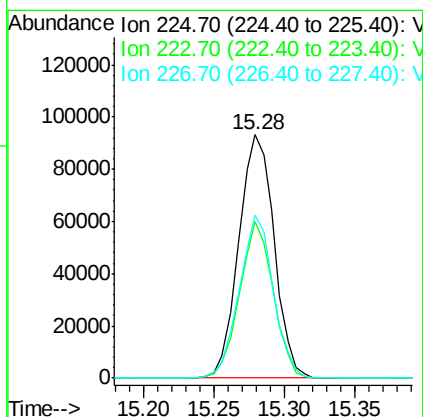
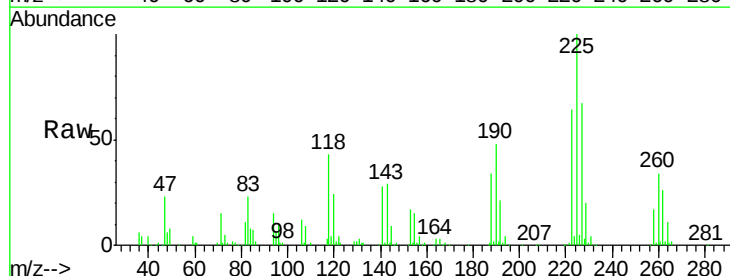
Manual Integrations
 APPROVED

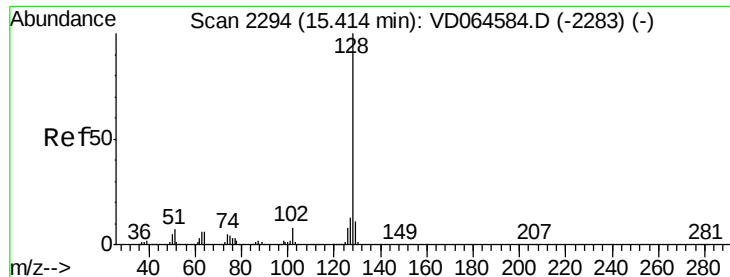
MMDadoda
 1/23/2020 11:13:45 AM



#94
 Hexachlorobutadiene
 Concen: 47.225 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064926.D
 Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163349		
223	61.0	31.1	93.2	
227	64.3	30.9	92.7	





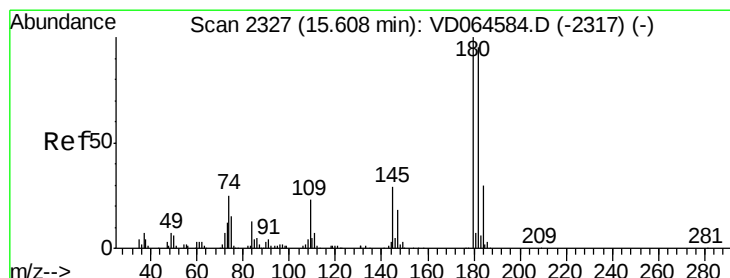
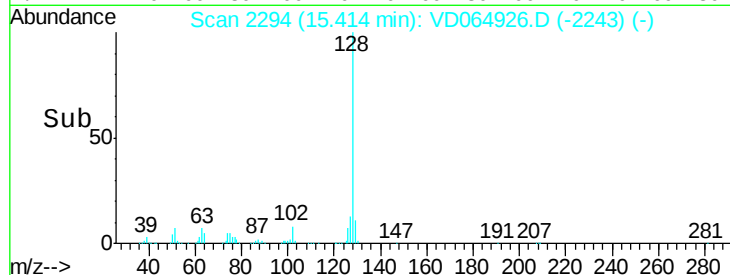
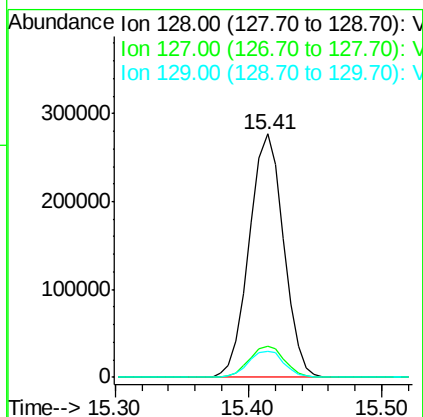
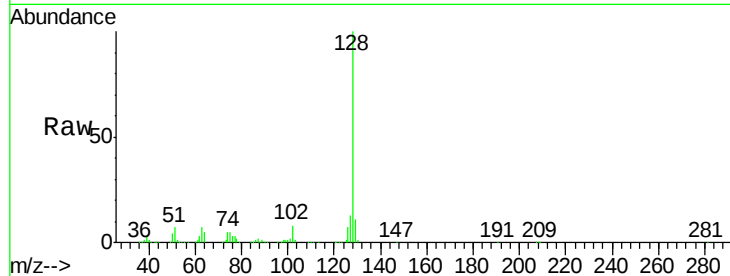
#95
Naphthalene
Concen: 56.512 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.2	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/23/2020 11:13:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.745 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064926.D
Acq: 22 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.7
145	29.0	14.9	44.7

