

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066274.D
 Acq On : 18 Aug 2020 13:32
 Operator : VA/SY
 Sample : VD0818SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Manual Integrations
 APPROVED

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 8/19/2020 5:23:09 PM

Quant Time: Aug 18 14:22:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	259742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	368982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	339458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	121051	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	7.91	113	122058	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.34	98	446583	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.63	95	160592	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	48508	21.197	ug/l	97
3) Chloromethane	2.20	50	34232	19.230	ug/l	99
4) Vinyl Chloride	2.35	62	34476	21.876	ug/l	98
5) Bromomethane	2.76	94	23695	22.661	ug/l	98
6) Chloroethane	2.91	64	21008	21.716	ug/l	93
7) Trichlorofluoromethane	3.27	101	87810	21.371	ug/l	100
8) Diethyl Ether	3.70	74	22578	19.475	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	51310	21.042	ug/l	98
10) Methyl Iodide	4.30	142	43603	23.716	ug/l	99
11) Tert butyl alcohol	5.21	59	21579	102.259	ug/l	96
12) 1,1-Dichloroethene	4.06	96	46352	20.150	ug/l	98
13) Acrolein	3.92	56	10367	56.204	ug/l	98
14) Allyl chloride	4.71	41	63565	18.240	ug/l	93
15) Acrylonitrile	5.42	53	46075	94.312	ug/l	99
16) Acetone	4.16	43	45029	102.411	ug/l	95
17) Carbon Disulfide	4.41	76	136763	18.699	ug/l	98
18) Methyl Acetate	4.71	43	21360	19.126	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	102986	19.533	ug/l	95
20) Methylene Chloride	4.96	84	66869	24.062	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	50252	19.017	ug/l	91
22) Diisopropyl ether	6.36	45	132677	19.252	ug/l	93
23) Vinyl Acetate	6.30	43	375904	93.108	ug/l	97
24) 1,1-Dichloroethane	6.26	63	85400	20.024	ug/l	98
25) 2-Butanone	7.21	43	60070	92.887	ug/l	95
26) 2,2-Dichloropropane	7.20	77	82811	21.664	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	56681	20.450	ug/l	100
28) Bromochloromethane	7.54	49	32788	21.889	ug/l	98
29) Tetrahydrofuran	7.56	42	36243	90.455	ug/l	99
30) Chloroform	7.71	83	92159	20.579	ug/l	95
31) Cyclohexane	7.98	56	75571	18.615	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	92018	21.915	ug/l	99
36) 1,1-Dichloropropene	8.11	75	71174	20.527	ug/l	99
37) Ethyl Acetate	7.29	43	26931	19.603	ug/l	95
38) Carbon Tetrachloride	8.09	117	87195	22.551	ug/l	94

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Quant Time: Aug 18 14:22:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	82591	19.705	ug/l	97
40) Benzene	8.34	78	192750	20.039	ug/l	99
41) Methacrylonitrile	7.51	41	12434m	15.393	ug/l	
42) 1,2-Dichloroethane	8.42	62	59860	21.184	ug/l	99
43) Isopropyl Acetate	8.44	43	51701	19.101	ug/l	99
44) Trichloroethene	9.11	130	61523	21.226	ug/l	93
45) 1,2-Dichloropropane	9.38	63	45392	19.296	ug/l	98
46) Dibromomethane	9.47	93	26380	20.358	ug/l	99
47) Bromodichloromethane	9.66	83	73458	21.449	ug/l	100
48) Methyl methacrylate	9.45	41	22434	16.231	ug/l #	76
49) 1,4-Dioxane	9.46	88	6138	368.700	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	129776	93.340	ug/l	100
52) Toluene	10.40	92	129906	20.525	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	66088	20.334	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	77422	20.332	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	36982	19.820	ug/l	90
56) Ethyl methacrylate	10.66	69	42979	19.175	ug/l	97
57) 1,3-Dichloropropane	10.94	76	63138	20.383	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	108059	107.176	ug/l	99
59) 2-Hexanone	10.98	43	88155	90.343	ug/l	98
60) Dibromochloromethane	11.14	129	52415	20.347	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37526	20.912	ug/l	97
64) Tetrachloroethene	10.87	164	53154	20.392	ug/l	97
65) Chlorobenzene	11.67	112	144429	20.959	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	56207	20.846	ug/l	100
67) Ethyl Benzene	11.74	91	251138	21.030	ug/l	100
68) m/p-Xylenes	11.85	106	192633	41.635	ug/l	93
69) o-Xylene	12.18	106	87408	20.768	ug/l	100
70) Styrene	12.20	104	156228	21.181	ug/l	98
71) Bromoform	12.36	173	33717	21.106	ug/l #	98
73) Isopropylbenzene	12.48	105	245049	20.659	ug/l	97
74) N-amyl acetate	12.29	43	48107	18.418	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	38609	19.089	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	31896m	21.525	ug/l	
77) Bromobenzene	12.76	156	61978	20.298	ug/l	97
78) n-propylbenzene	12.82	91	294282	21.343	ug/l	99
79) 2-Chlorotoluene	12.91	91	168321	21.344	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	214026	21.575	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13213	19.711	ug/l	96
82) 4-Chlorotoluene	13.01	91	172779	20.755	ug/l	99
83) tert-Butylbenzene	13.23	119	179193	20.540	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	210631	21.217	ug/l	100
85) sec-Butylbenzene	13.40	105	252750	21.459	ug/l	99
86) p-Isopropyltoluene	13.52	119	241001	21.816	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	118645	20.674	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	119329	20.850	ug/l	97
89) n-Butylbenzene	13.85	91	208534	21.069	ug/l	98
90) Hexachloroethane	14.11	117	46395	21.058	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	102652	20.226	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7268	20.908	ug/l	97

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ClientSampleId :
VD0818SBSD01

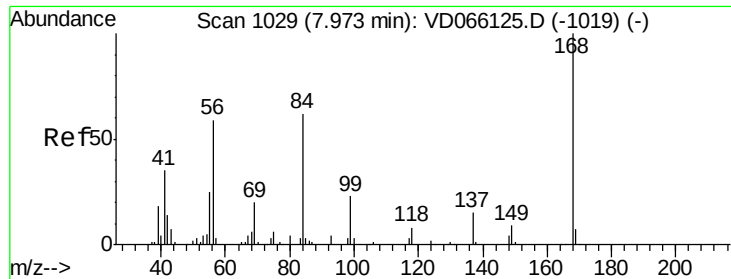
Manual Integrations
APPROVED

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8/19/2020 5:23:09 PM

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	74901	20.026	ug/l	99
94) Hexachlorobutadiene	15.27	225	46409	21.072	ug/l	99
95) Naphthalene	15.41	128	116379	19.097	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	65349	19.793	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBSD01

Tot Ion:168 Resp: 259742

Ion Ratio Lower Upper

168 100

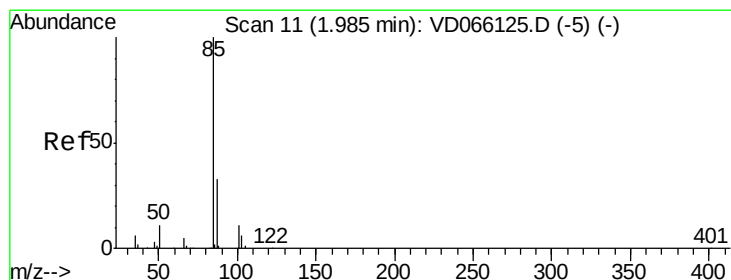
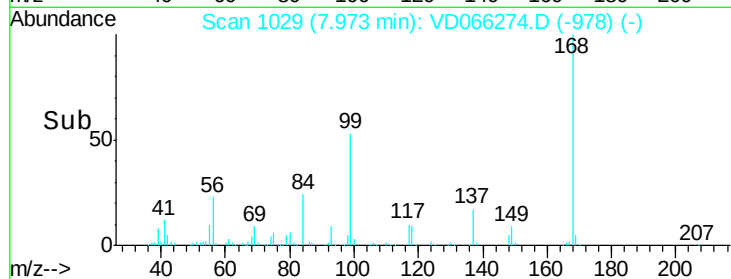
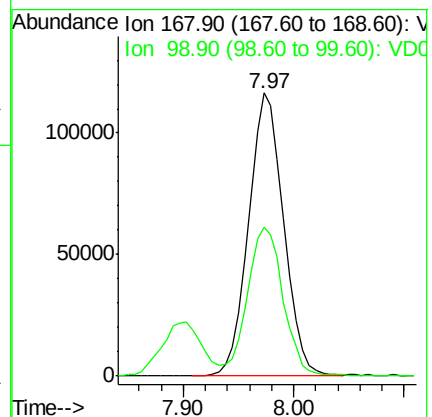
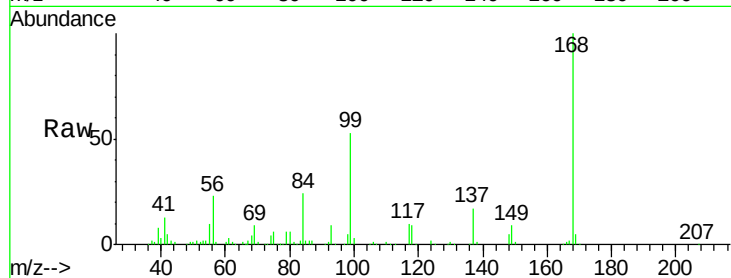
99 52.4 42.2 63.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 21.197 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066274.D

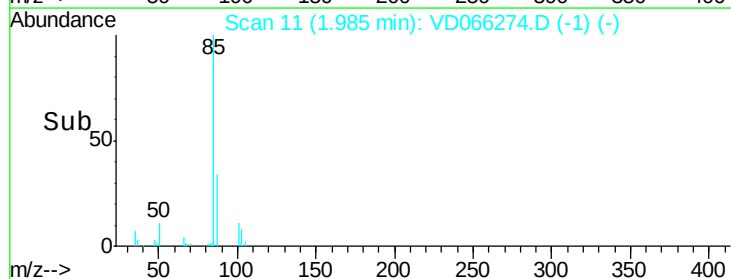
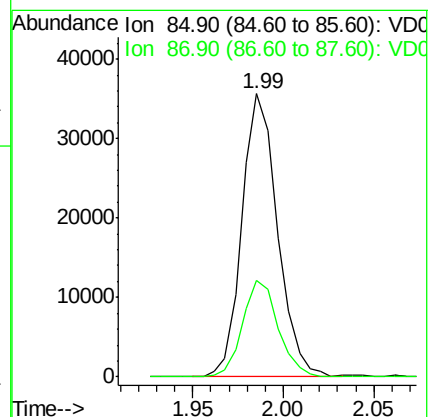
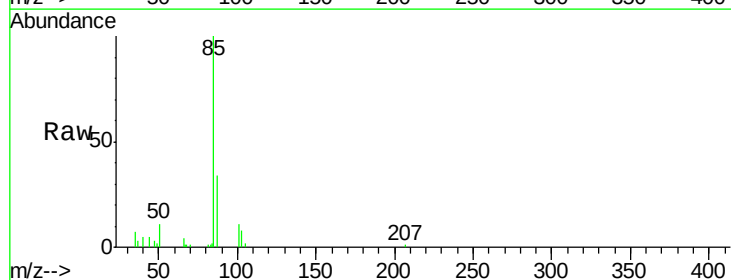
Acq: 18 Aug 2020 13:32

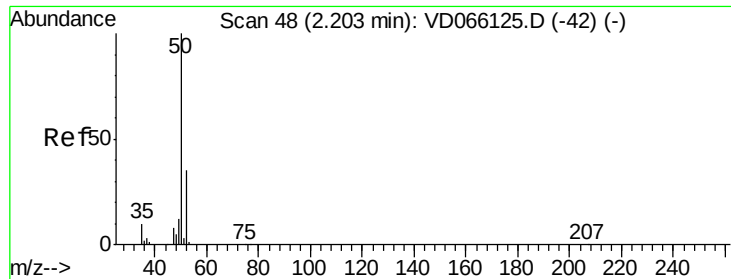
Tgt Ion: 85 Resp: 48508

Ion Ratio Lower Upper

85 100

87 34.0 16.3 48.8





#3

Chloromethane

Concen: 19.230 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 50 Resp: 34232

Ion Ratio Lower Upper

50 100

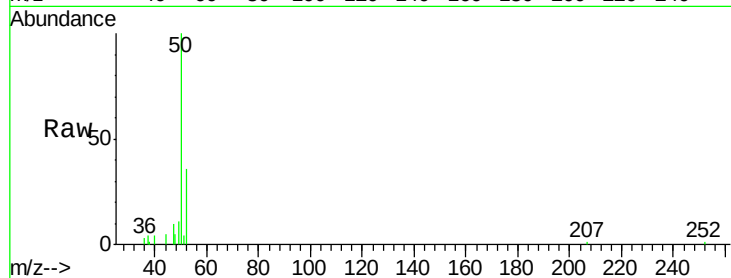
52 35.7 27.9 41.9

Manual Integrations

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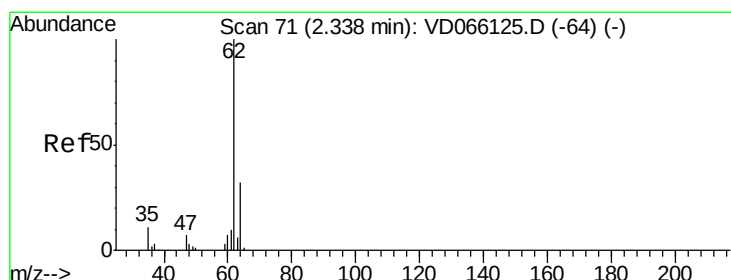
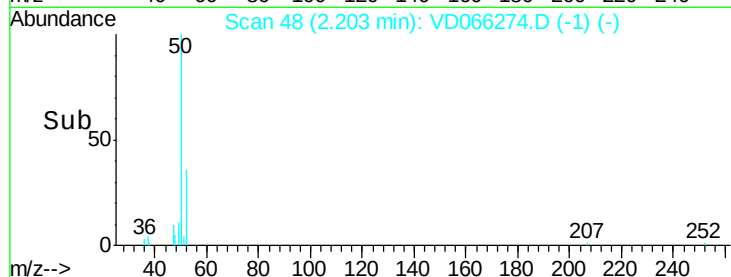
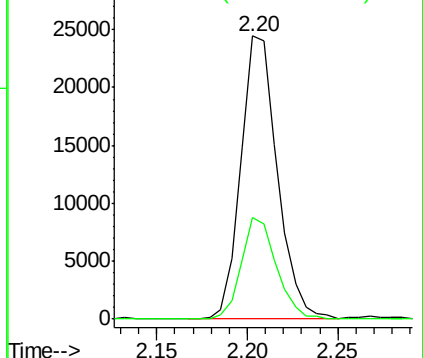
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.876 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066274.D

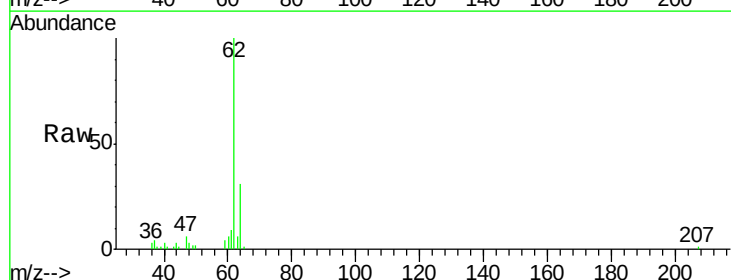
Acq: 18 Aug 2020 13:32

Tgt Ion: 62 Resp: 34476

Ion Ratio Lower Upper

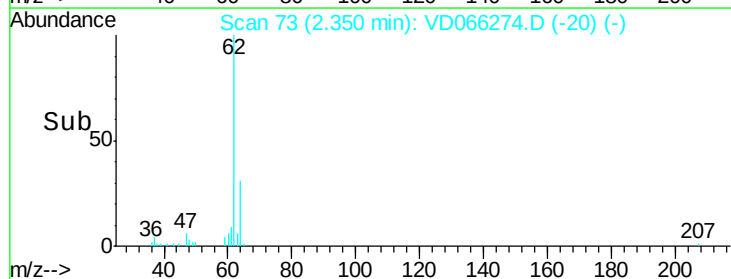
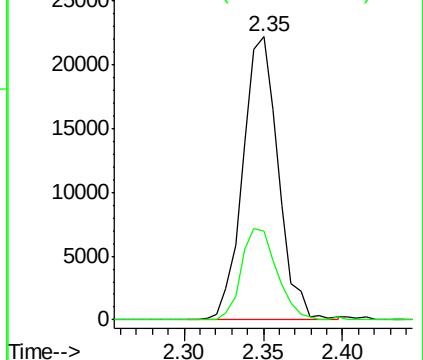
62 100

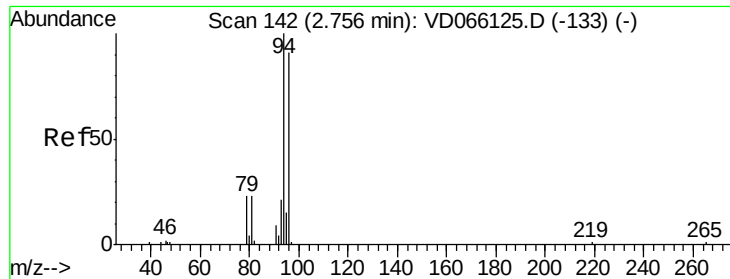
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.661 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 94 Resp: 23695

Ion Ratio Lower Upper

94 100

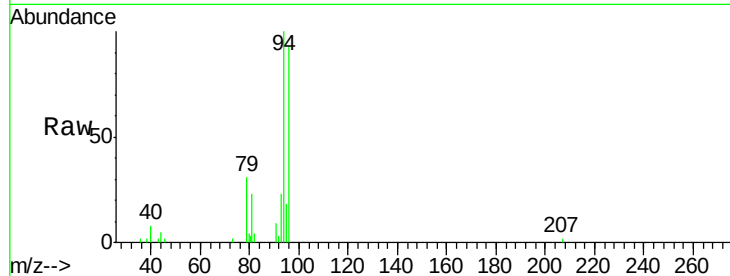
96 92.6 72.6 109.0

Manual Integrations

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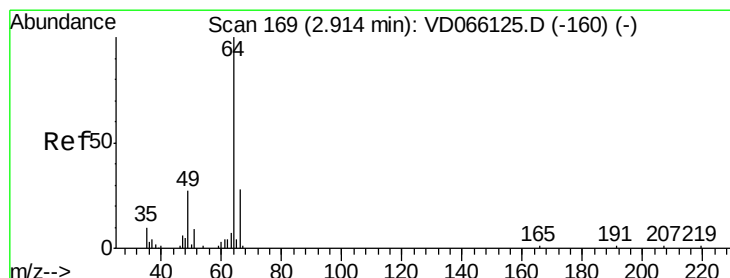
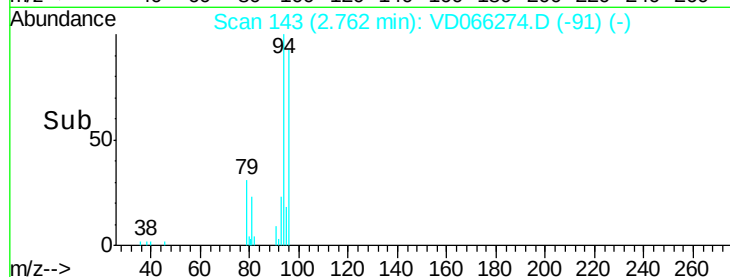
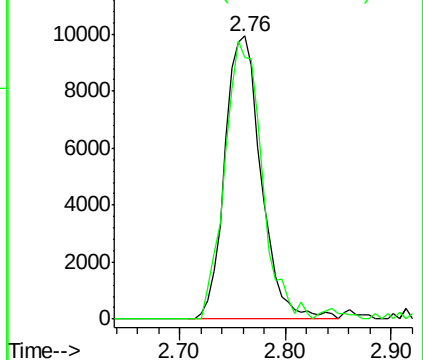
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.716 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066274.D

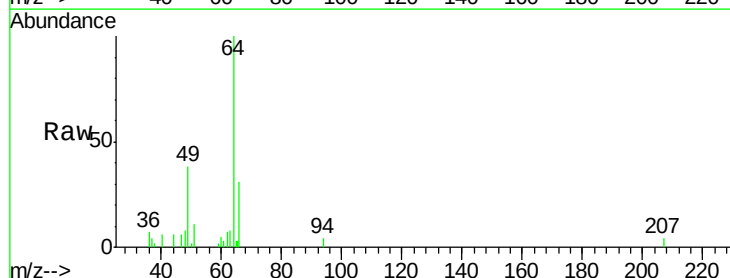
Acq: 18 Aug 2020 13:32

Tgt Ion: 64 Resp: 21008

Ion Ratio Lower Upper

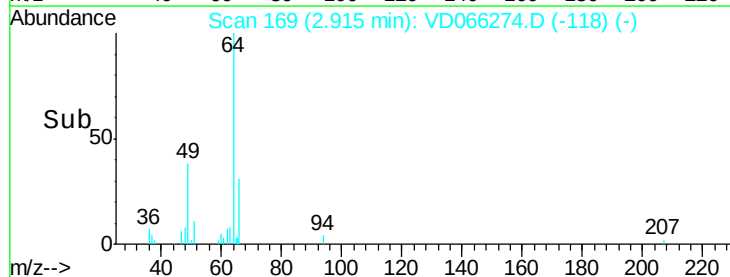
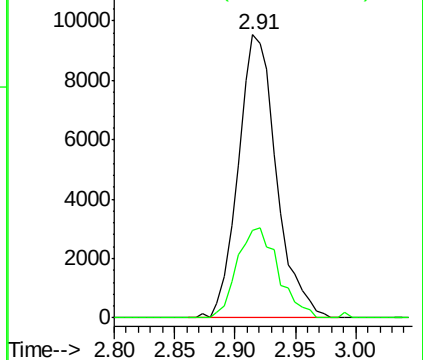
64 100

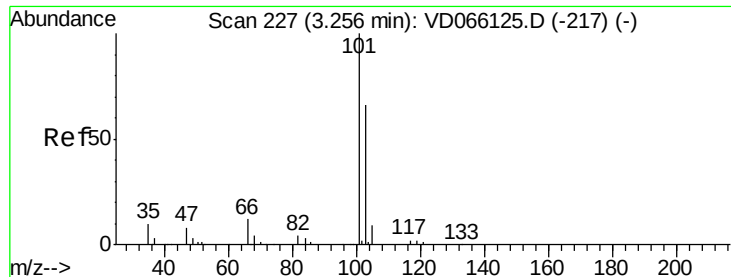
66 30.9 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

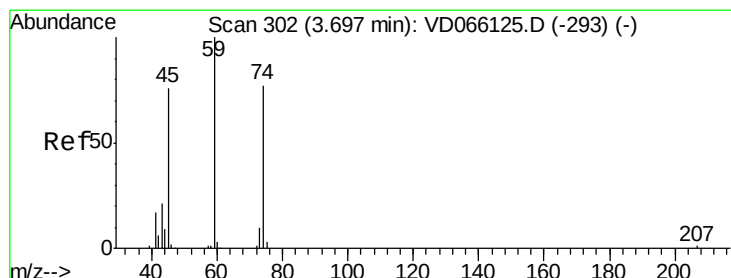
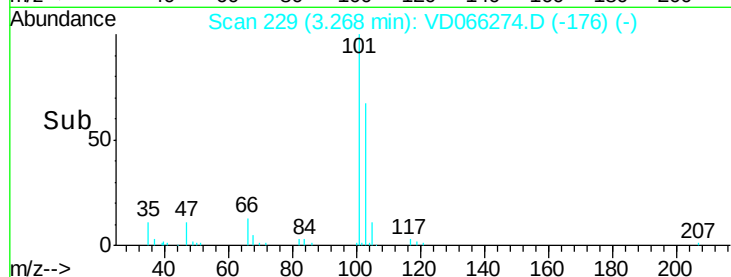
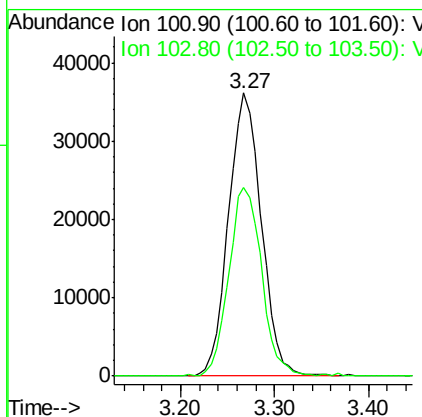
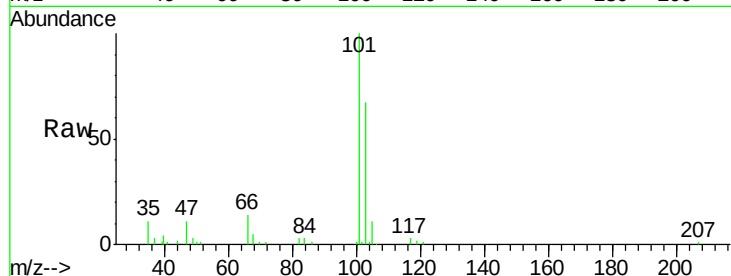
Trichlorofluoromethane
 Concen: 21.371 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Instrument :
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 ClientSampleId :
 VD0818SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	53.0	79.6

Manual Integrations
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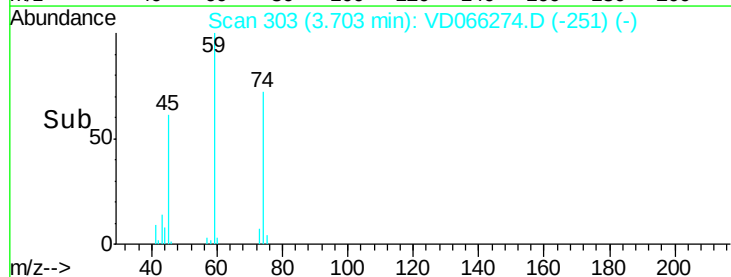
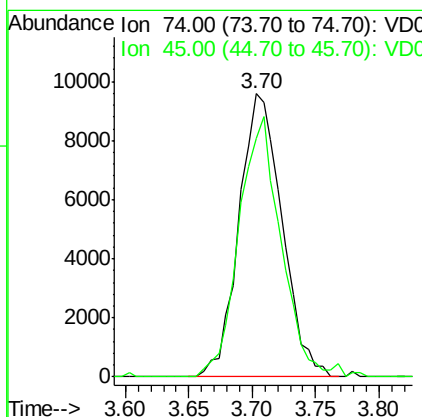
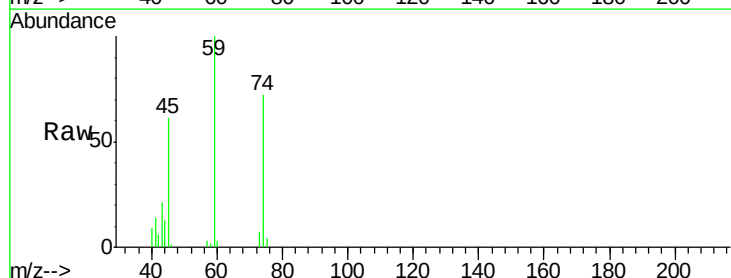
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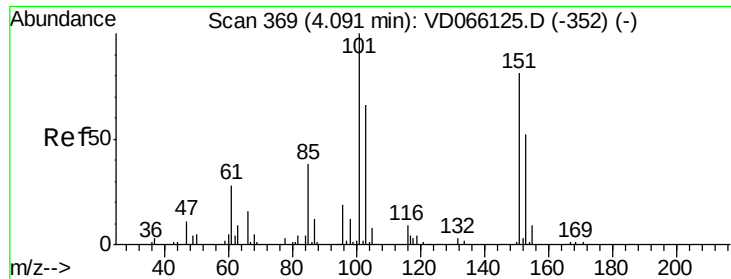


#8

Diethyl Ether
 Concen: 19.475 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.5	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.042 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

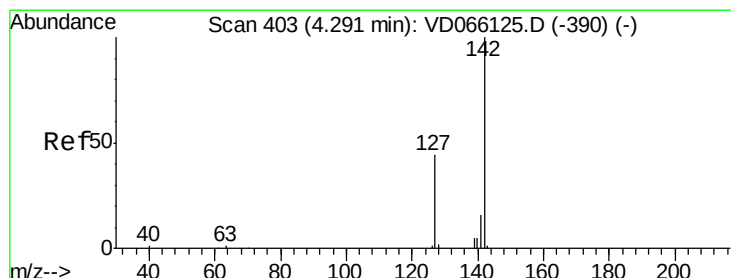
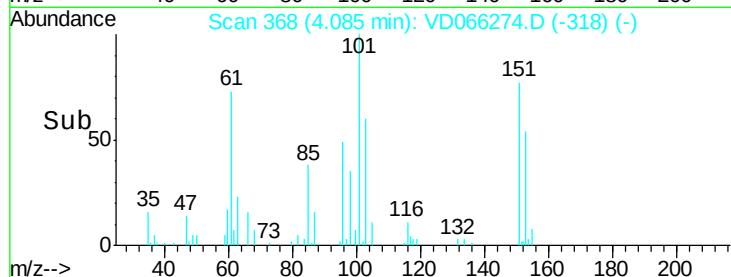
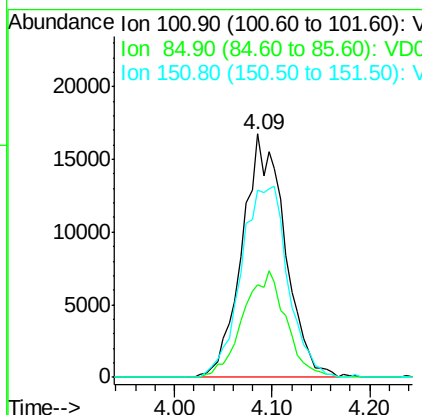
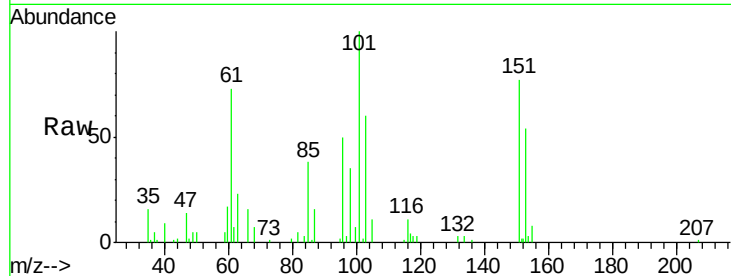
ClientSampleId :

VD0818SBSD01

Tot Ion:	101	Resp:	51310
Ion Ratio	Lower	Upper	
101	100		
85	43.8	33.5	50.3
151	85.9	67.8	101.8

Manual Integrations
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#10

Methyl Iodide

Concen: 23.716 ug/l

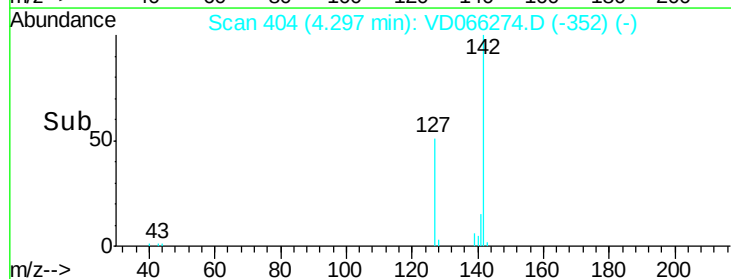
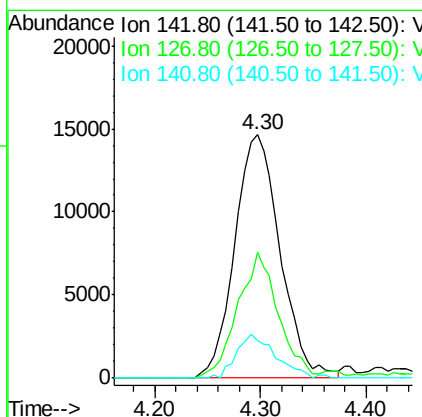
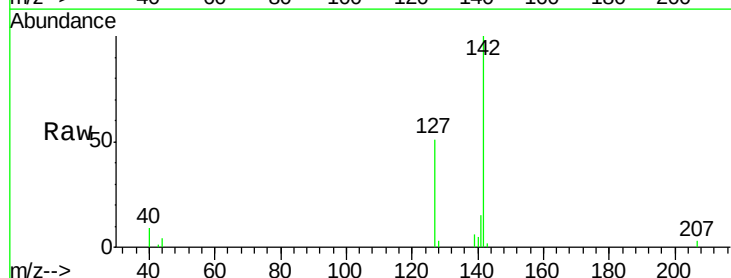
RT: 4.30 min Scan# 404

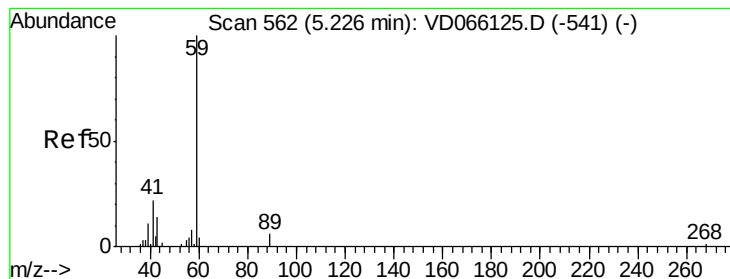
Delta R.T. 0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Tgt Ion:	142	Resp:	43603
Ion Ratio	Lower	Upper	
142	100		
127	46.3	36.2	54.4
141	15.5	12.6	18.8





#11

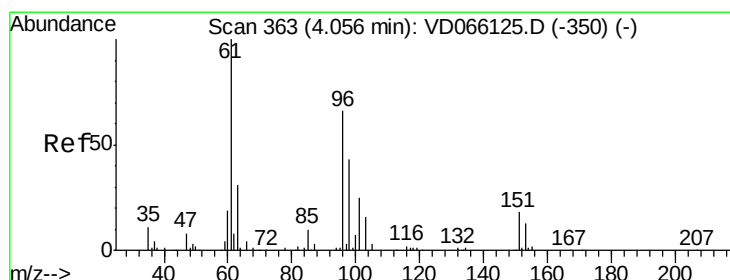
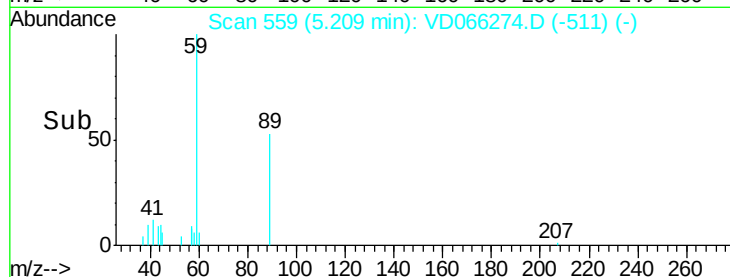
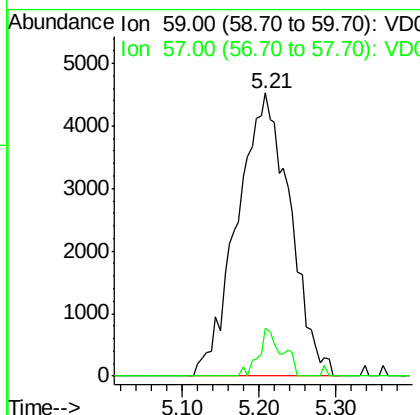
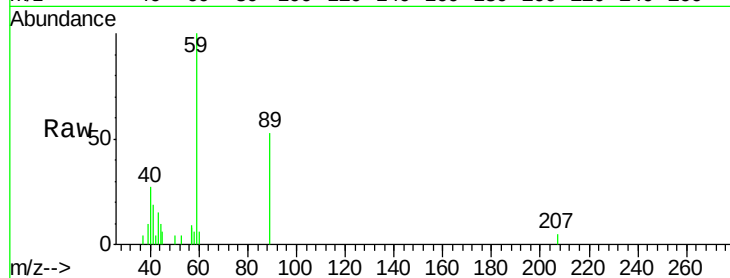
Tert butyl alcohol
 Concen: 102.259 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.4	7.0	10.4

Manual Integrations
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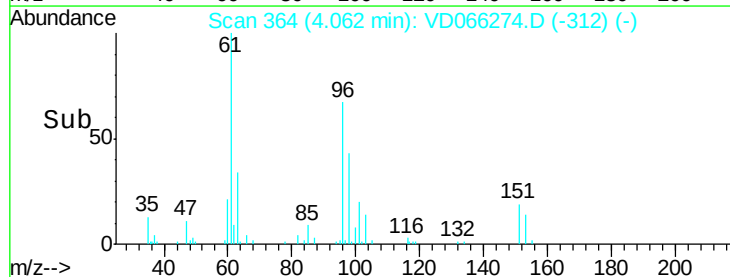
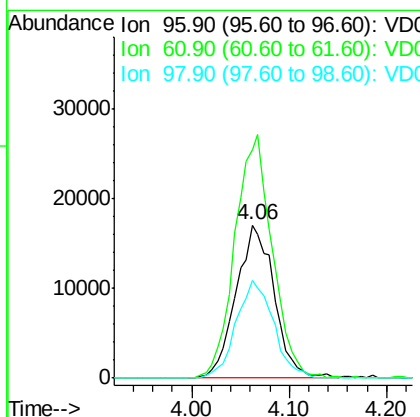
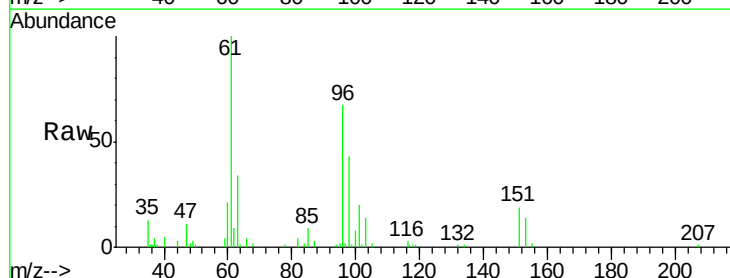
MMDadoda
 8/19/2020 5:23:09 PM

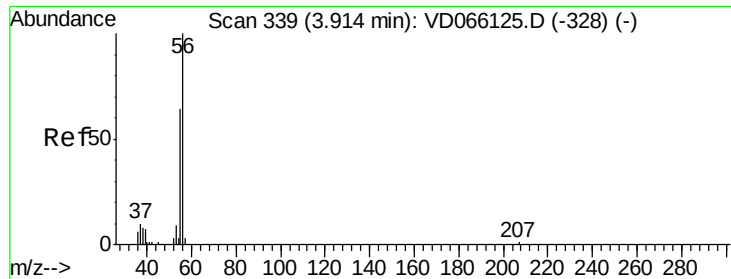


#12

1,1-Dichloroethene
 Concen: 20.150 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	121.6	182.4
98	63.9	52.0	78.0





#13

Acrolein

Concen: 56.204 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 56 Resp: 10367

Ion Ratio Lower Upper

56 100

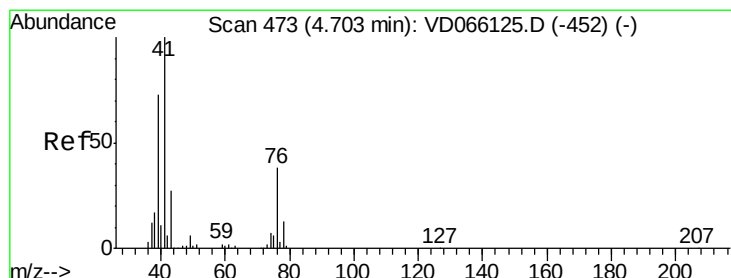
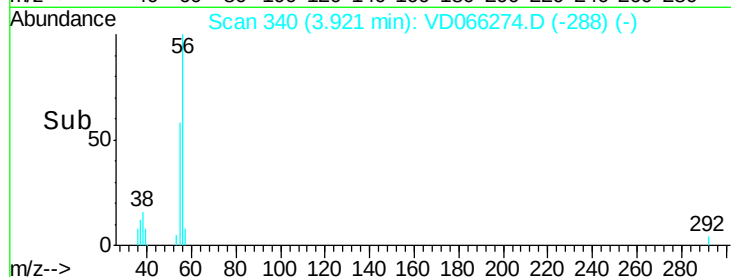
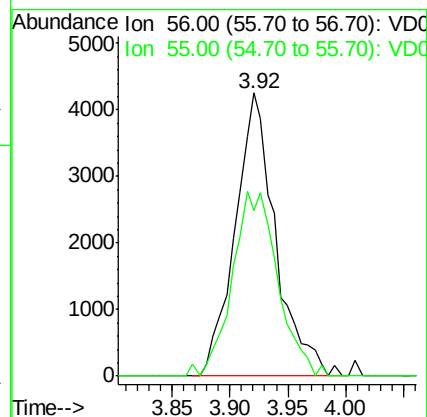
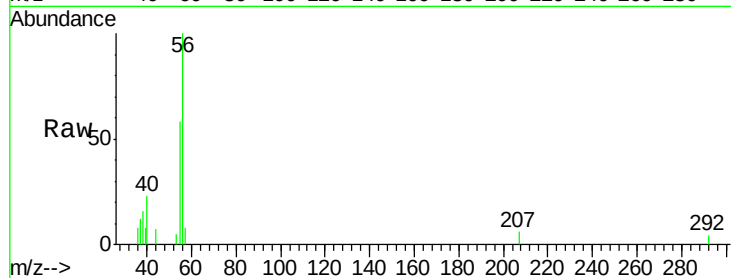
55 72.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.240 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

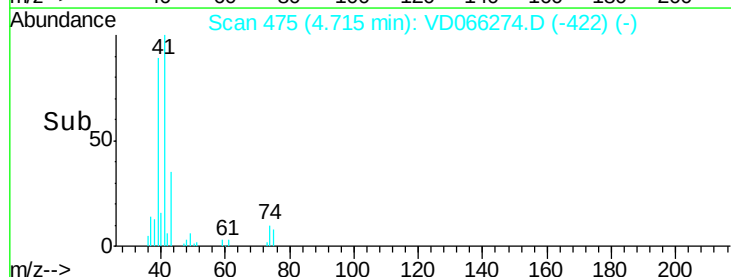
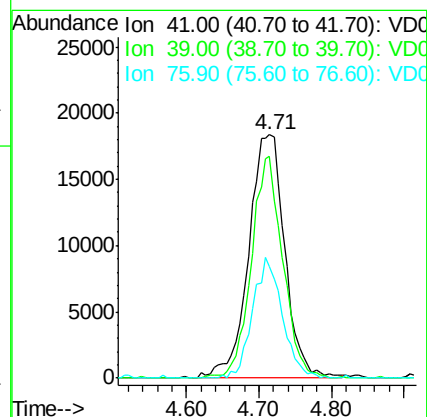
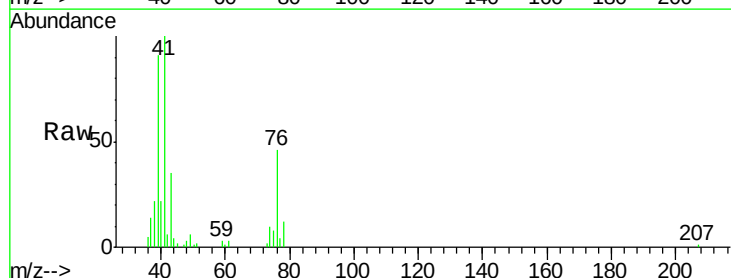
Tgt Ion: 41 Resp: 63565

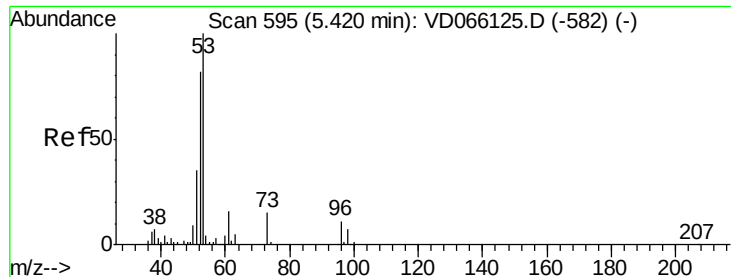
Ion Ratio Lower Upper

41 100

39 78.9 57.4 86.0

76 40.8 30.1 45.1





#15

Acrylonitrile

Concen: 94.312 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

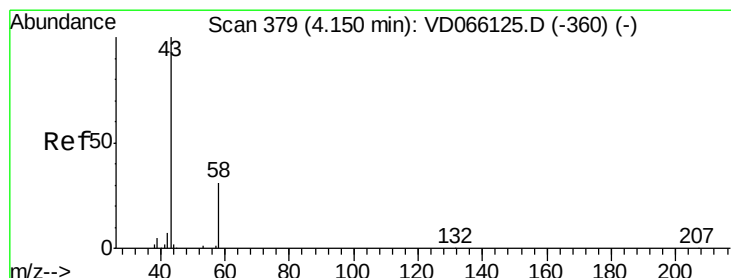
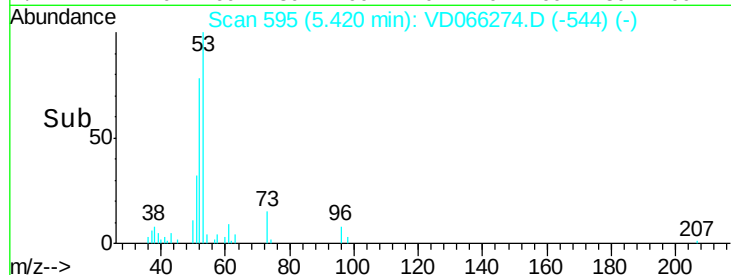
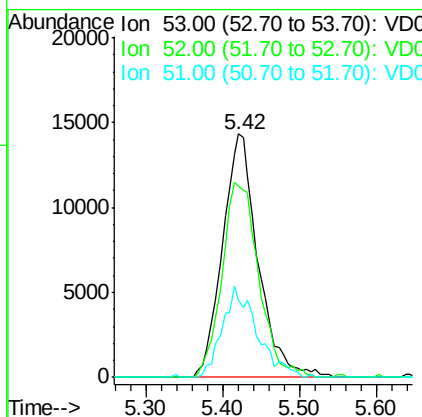
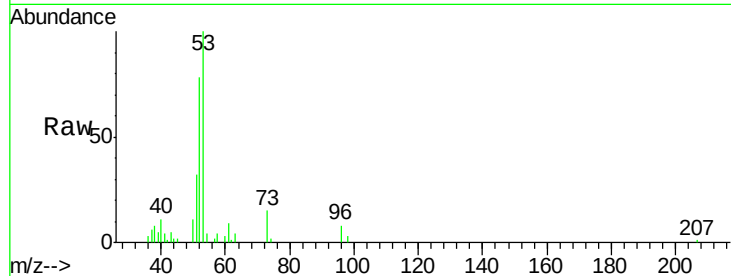
ClientSampleId :

VD0818SBS01

Tot Ion:	53	Resp:	46075
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.1	99.1
51	36.4	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 102.411 ug/l

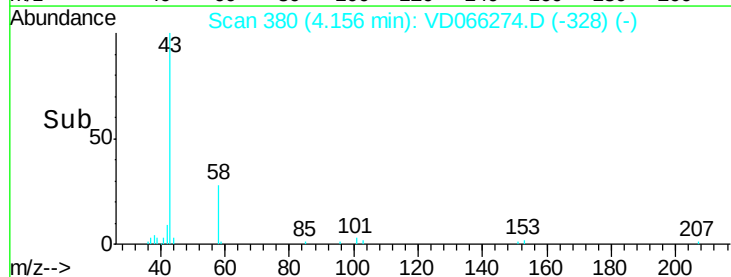
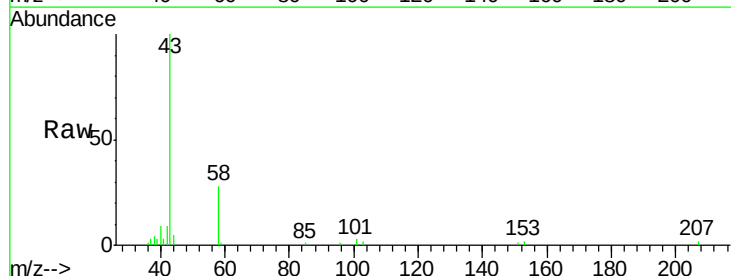
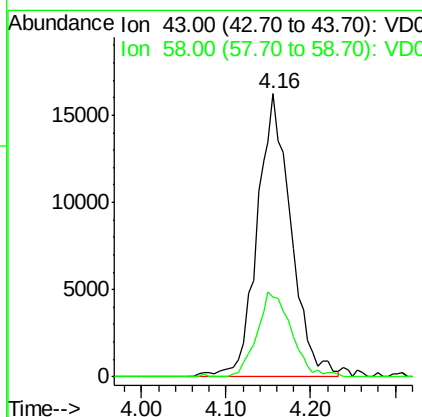
RT: 4.16 min Scan# 380

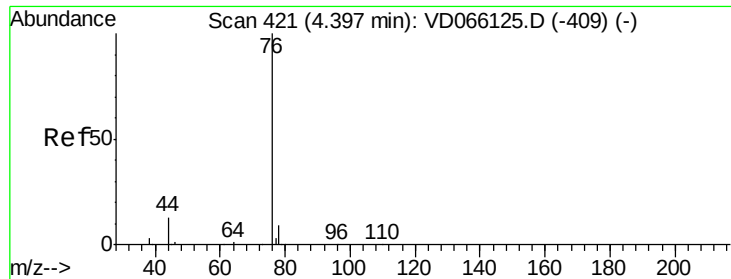
Delta R.T. 0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Tgt Ion:	43	Resp:	45029
Ion Ratio	Lower	Upper	
43	100		
58	28.1	24.7	37.1





#17

Carbon Disulfide

Concen: 18.699 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 76 Resp: 136763

Ion Ratio Lower Upper

76 100

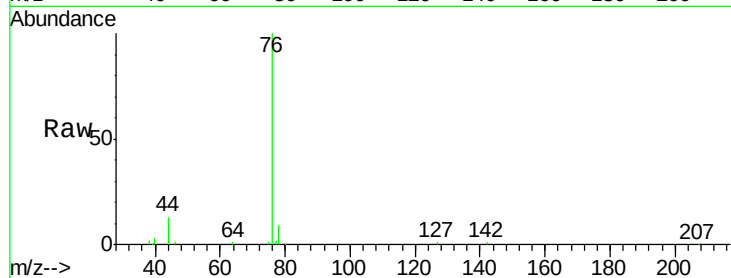
78 8.5 7.5 11.3

Manual Integrations

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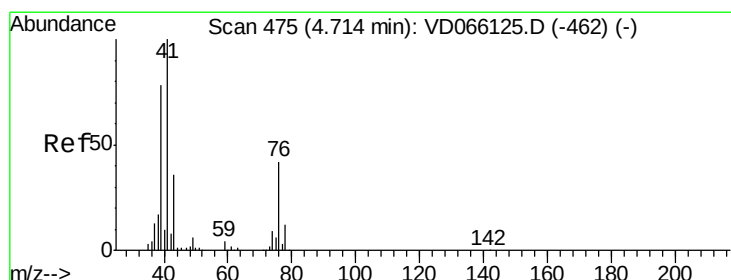
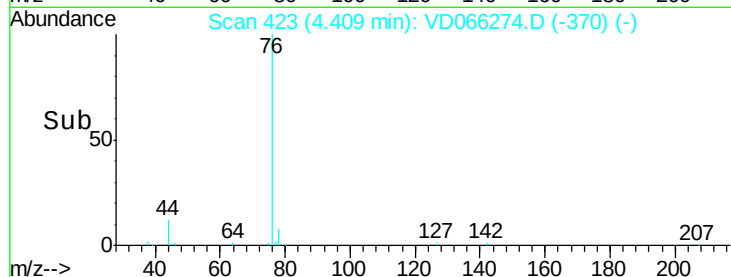
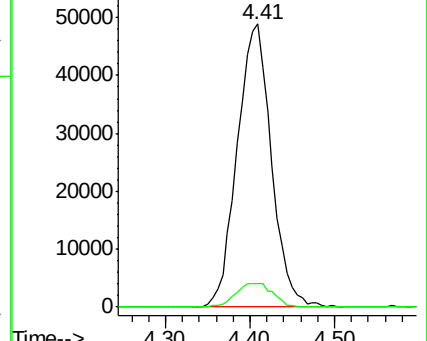
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.126 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066274.D

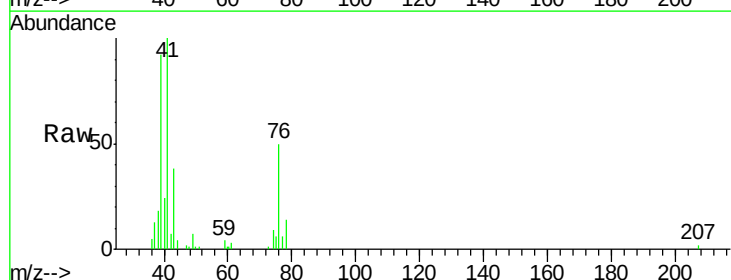
Acq: 18 Aug 2020 13:32

Tgt Ion: 43 Resp: 21360

Ion Ratio Lower Upper

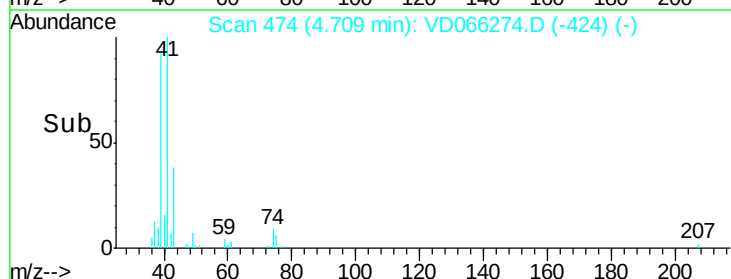
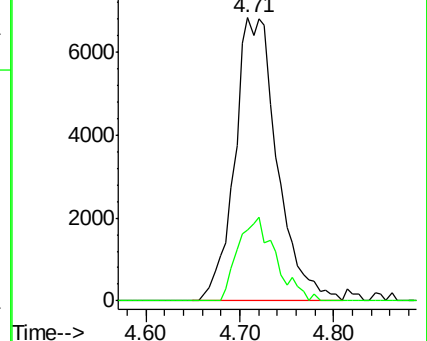
43 100

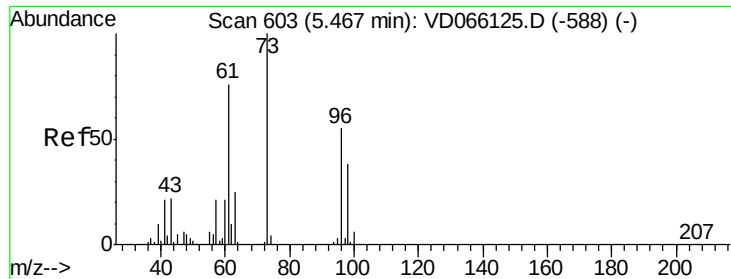
74 26.2 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





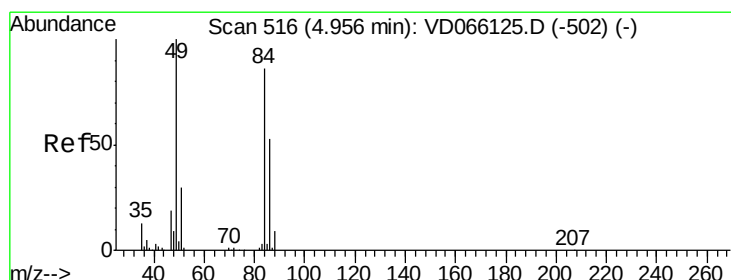
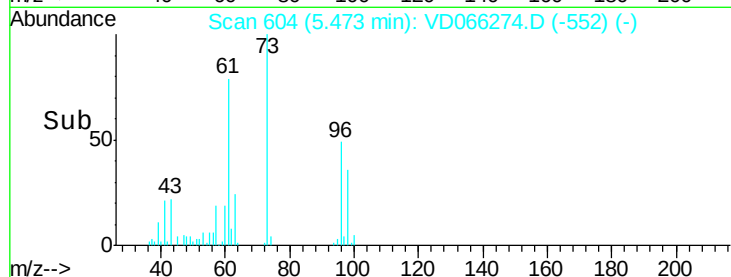
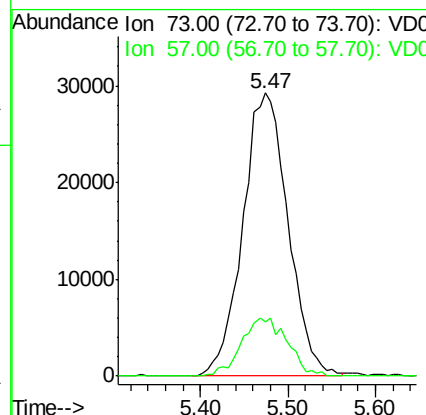
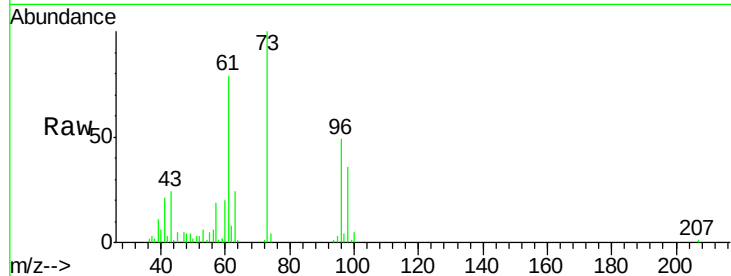
#19
Methyl tert-butyl Ether
Concen: 19.533 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion: 73 Resp: 102986
Ion Ratio Lower Upper
73 100
57 19.0 17.1 25.7

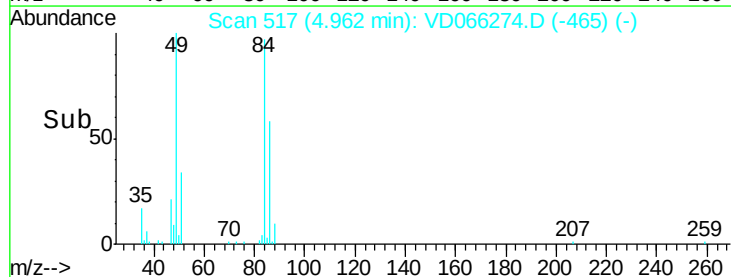
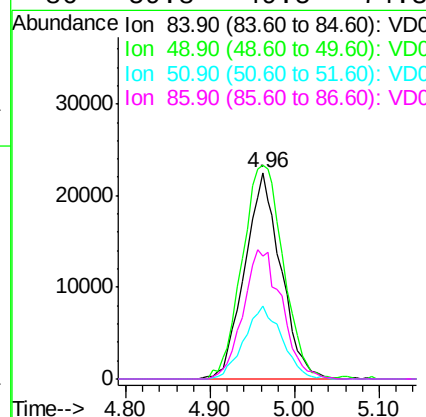
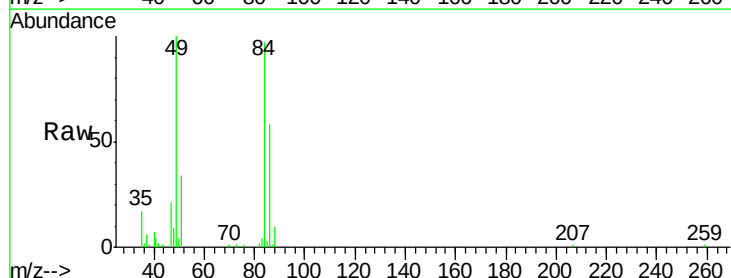
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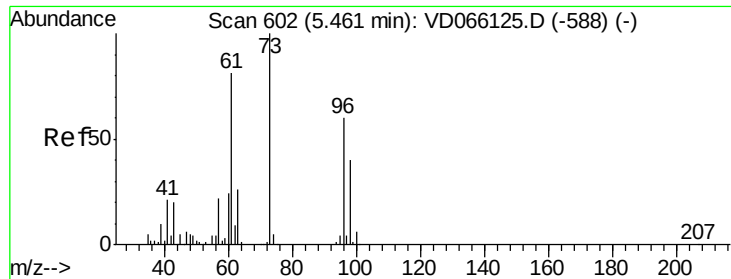
MMDadoda
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#20
Methylene Chloride
Concen: 24.062 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion: 84 Resp: 66869
Ion Ratio Lower Upper
84 100
49 103.6 93.5 140.3
51 35.2 28.2 42.4
86 59.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.017 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

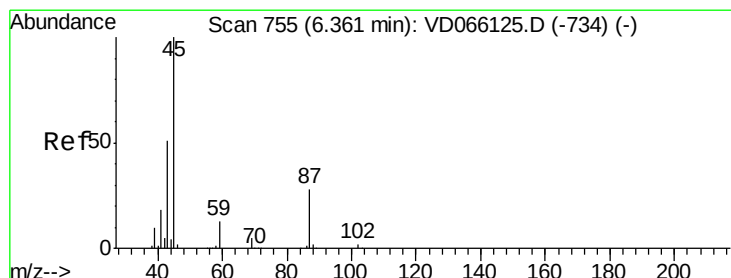
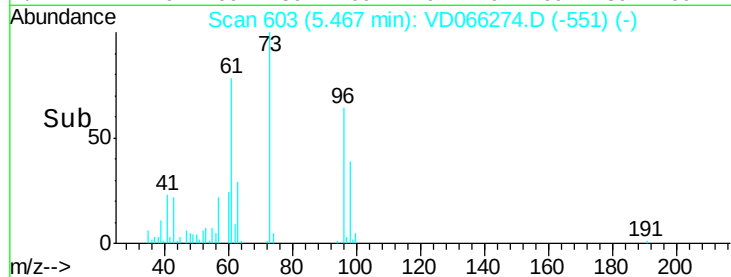
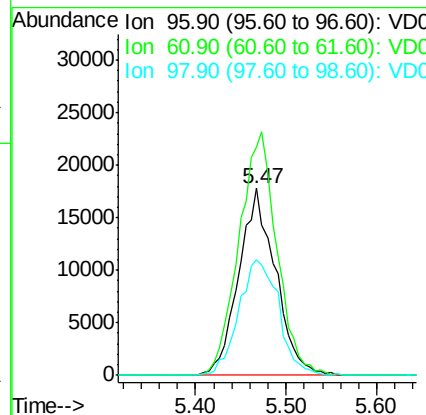
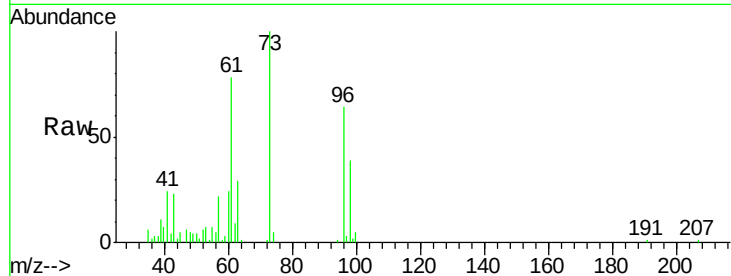
ClientSampleId :

VD0818SBS01

Tot Ion:	96	Resp:	50252
Ion	Ratio	Lower	Upper
96	100		
61	122.3	106.9	160.3
98	61.5	53.4	80.0

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#22

Diisopropyl ether

Concen: 19.252 ug/l

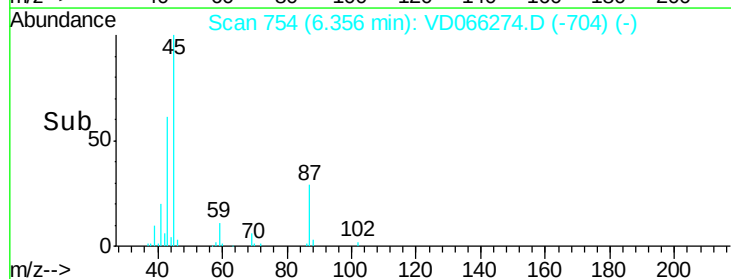
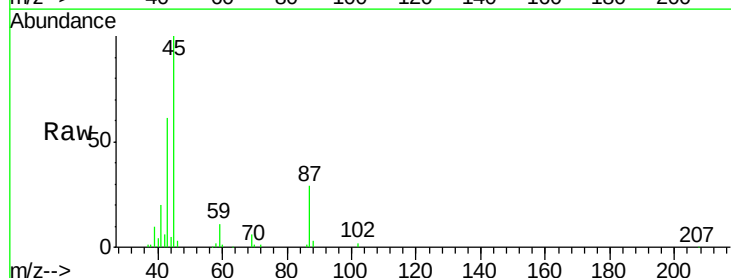
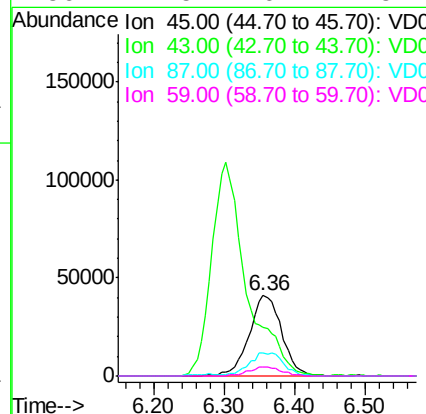
RT: 6.36 min Scan# 754

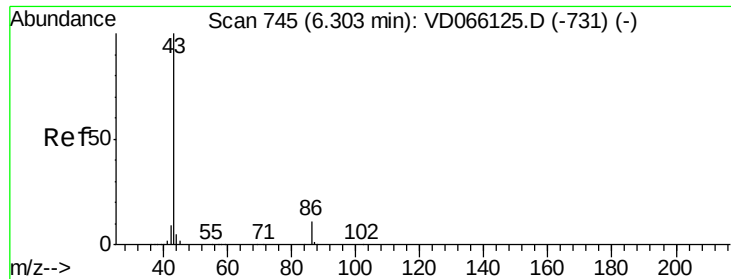
Delta R.T. -0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Tgt Ion:	45	Resp:	132677
Ion	Ratio	Lower	Upper
45	100		
43	59.4	41.2	61.8
87	29.3	22.8	34.2
59	11.5	10.2	15.2





#23

Vinyl Acetate

Concen: 93.108 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 43 Resp: 375904

Ion Ratio Lower Upper

43 100

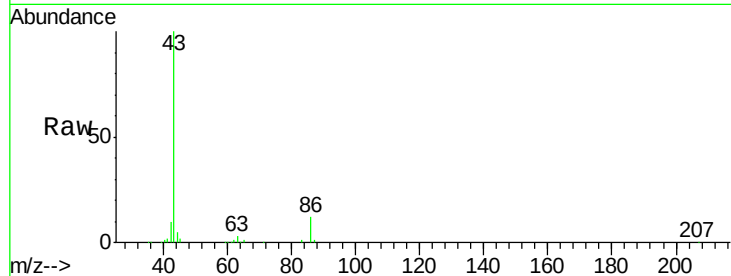
86 12.5 9.1 13.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

120000

100000

80000

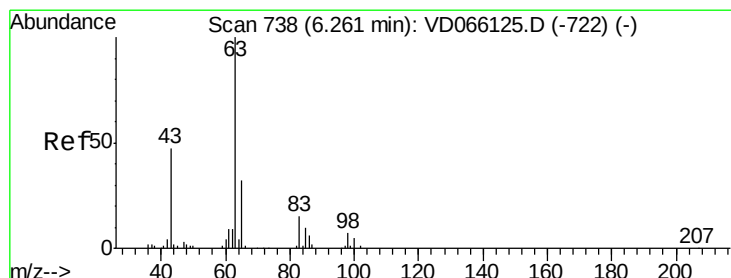
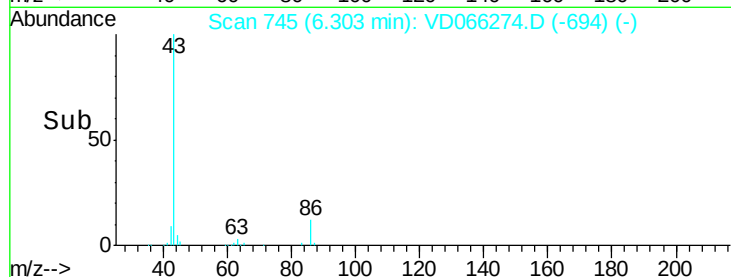
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.024 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

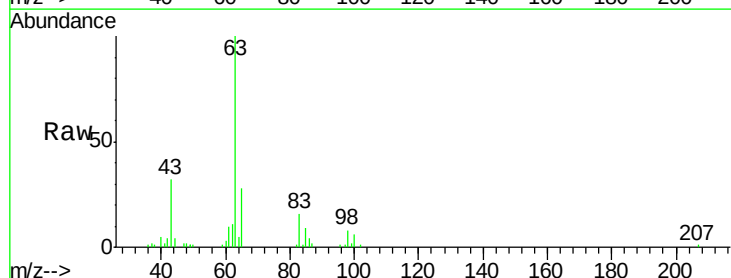
Tgt Ion: 63 Resp: 85400

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

100 5.6 2.4 7.2



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

6.26

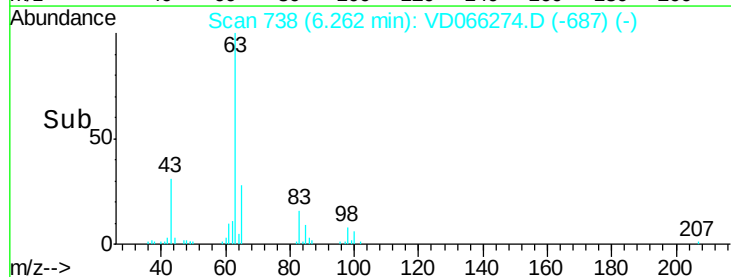
30000

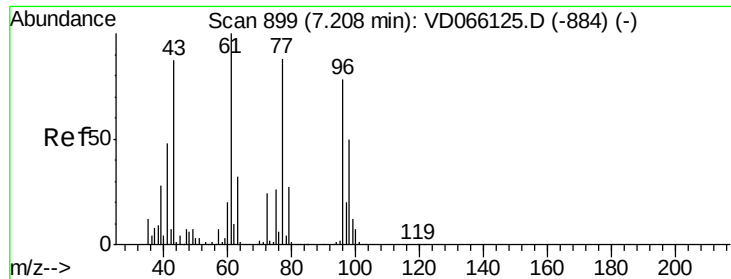
20000

10000

0

Time-->





#25

2-Butanone

Concen: 92.887 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 43 Resp: 60070

Ion Ratio Lower Upper

43 100

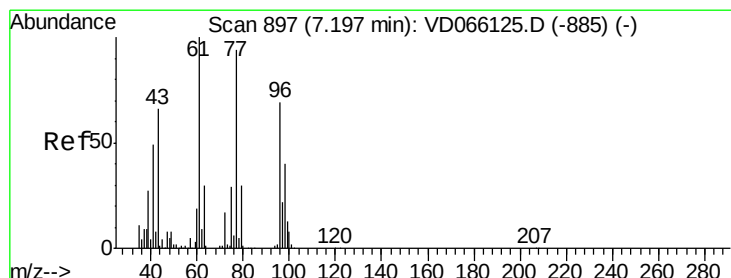
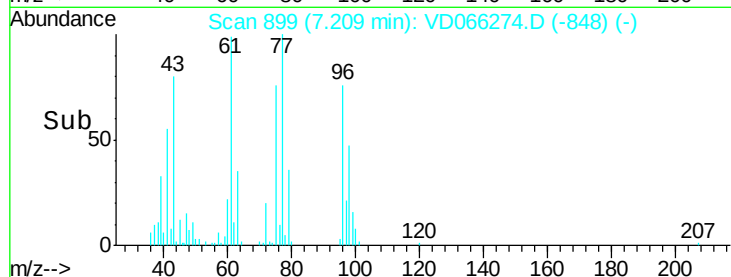
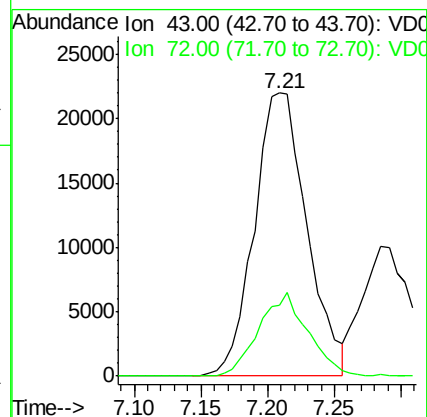
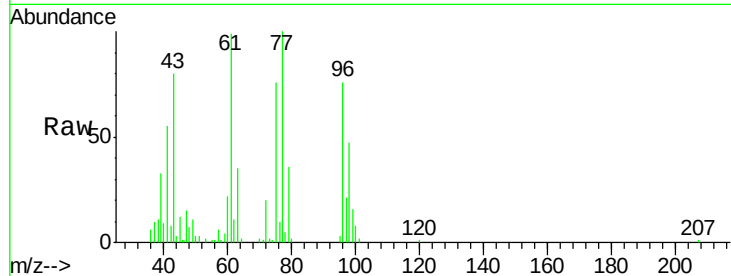
72 25.0 22.2 33.2

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 21.664 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066274.D

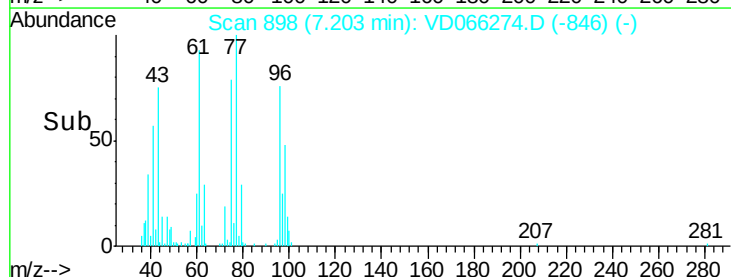
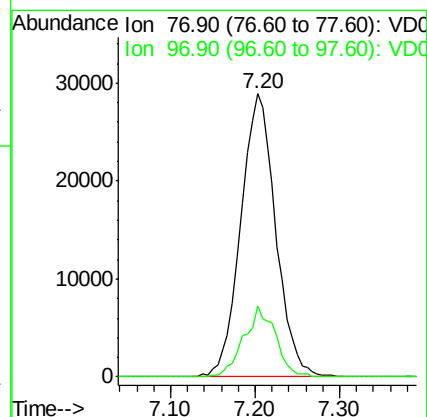
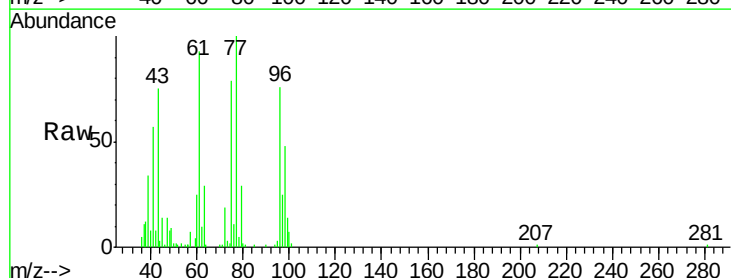
Acq: 18 Aug 2020 13:32

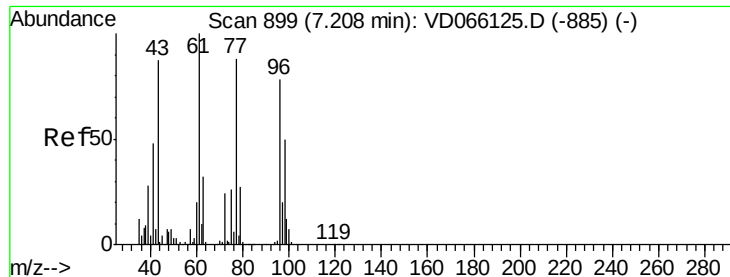
Tgt Ion: 77 Resp: 82811

Ion Ratio Lower Upper

77 100

97 22.6 11.8 35.3





#27

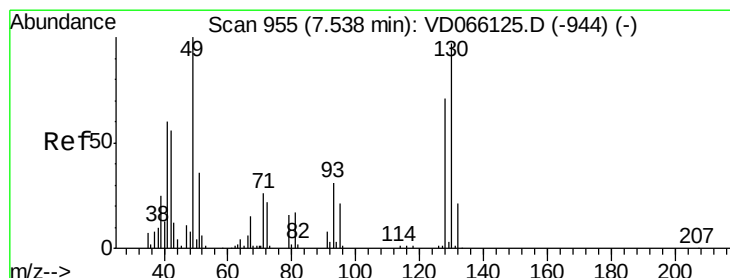
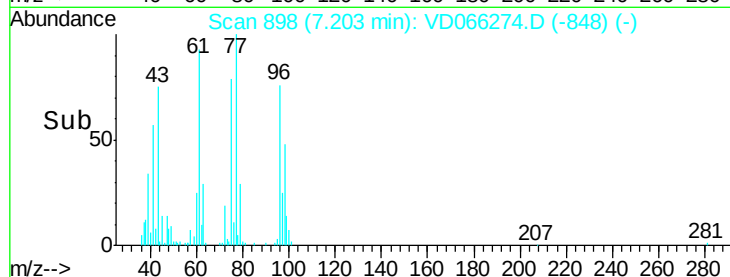
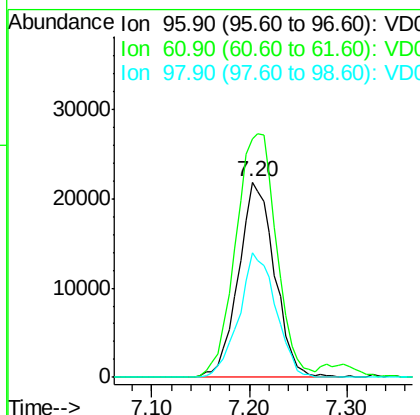
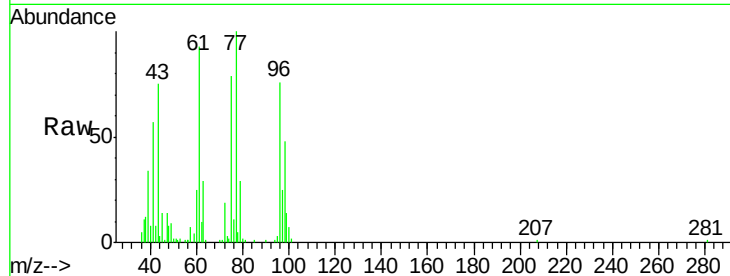
cis-1,2-Dichloroethene
Concen: 20.450 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	281.6
98	64.8	0.0	130.8

Manual Integrations
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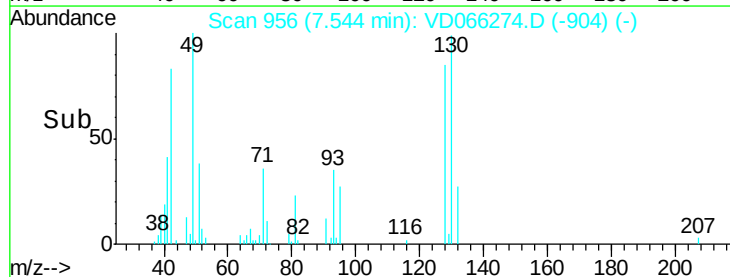
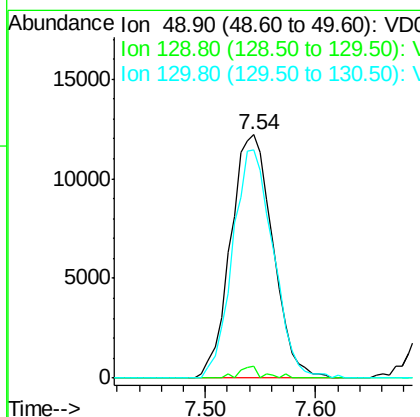
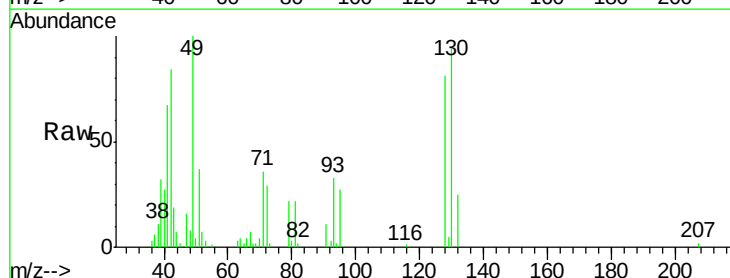
MMDadoda
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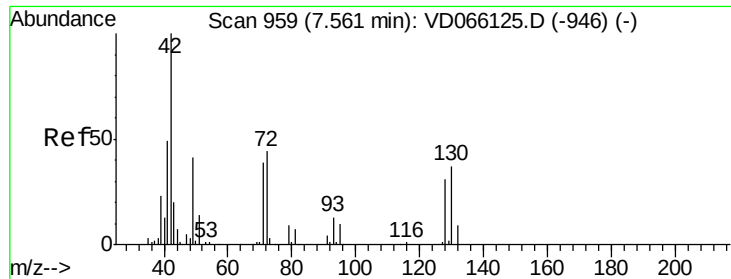


#28

Bromochloromethane
Concen: 21.889 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	6.0
130	90.3	73.8	110.6





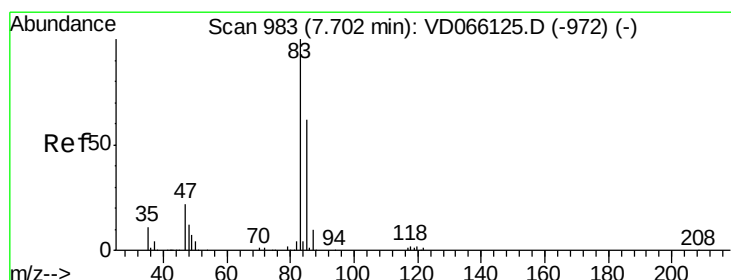
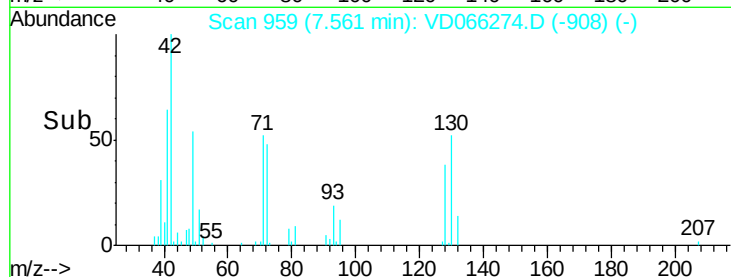
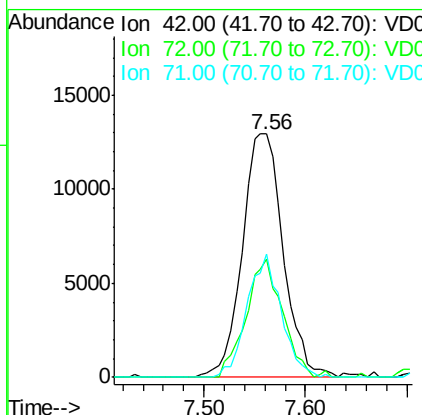
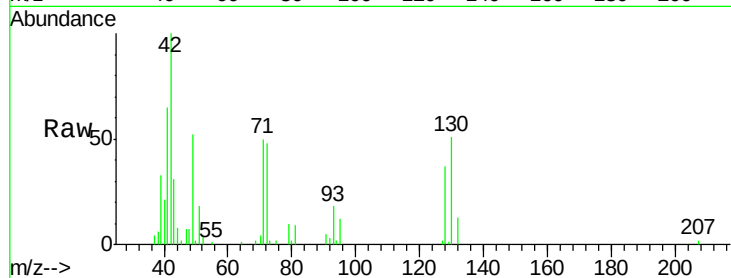
#29
Tetrahydrofuran
Concen: 90.455 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.8	52.2
71	42.3	33.5	50.3

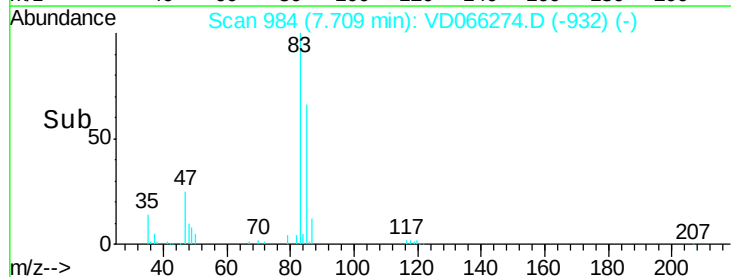
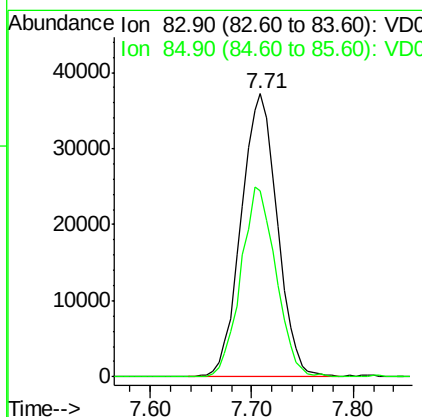
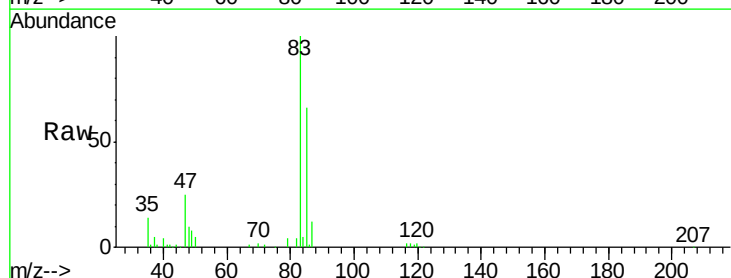
Manual Integrations
APPROVED

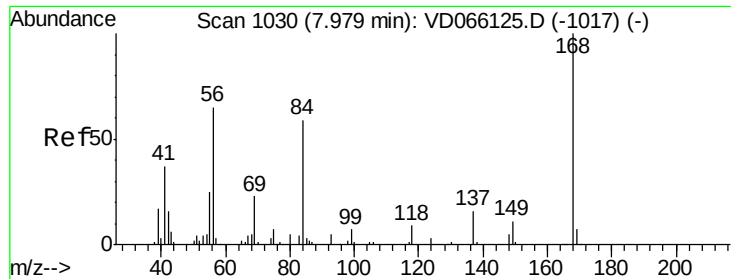
MMDadoda
8/19/2020 5:23:09 PM



#30
Chloroform
Concen: 20.579 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	49.5	74.3





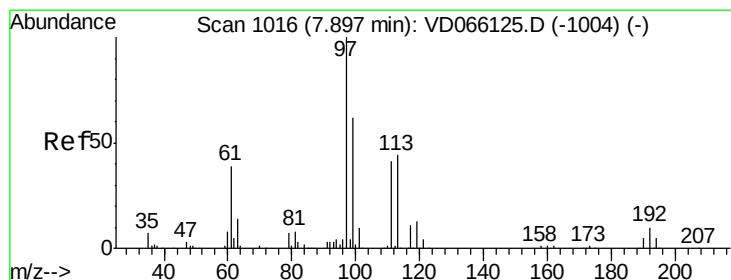
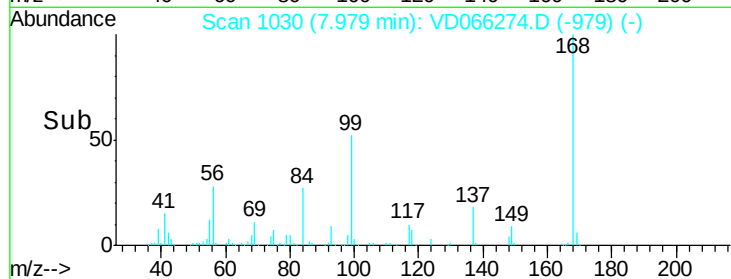
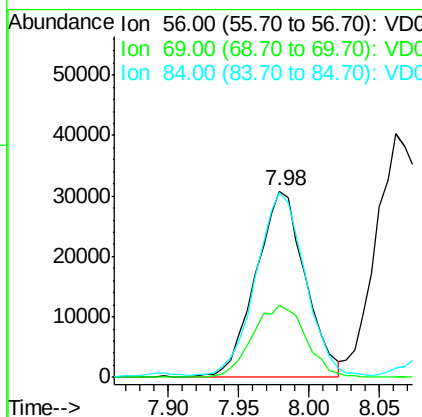
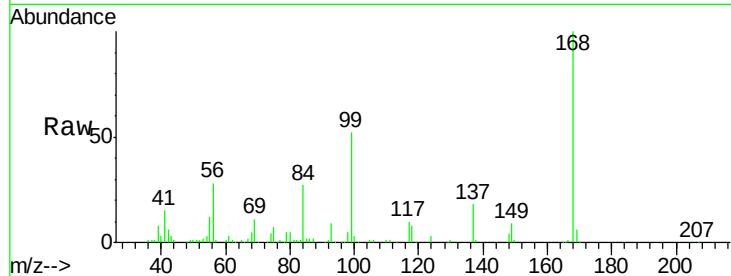
#31
Cyclohexane
Concen: 18.615 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.9	28.8	43.2
84	98.0	73.0	109.6

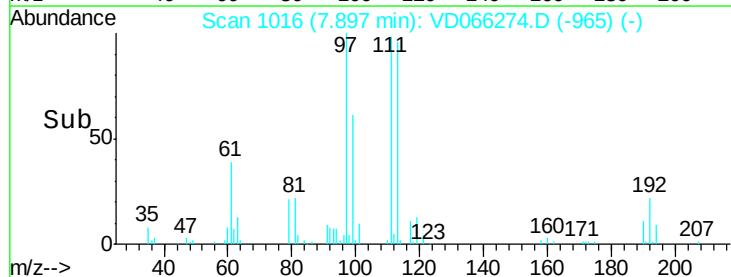
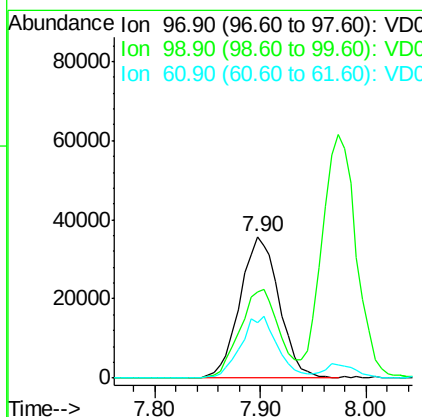
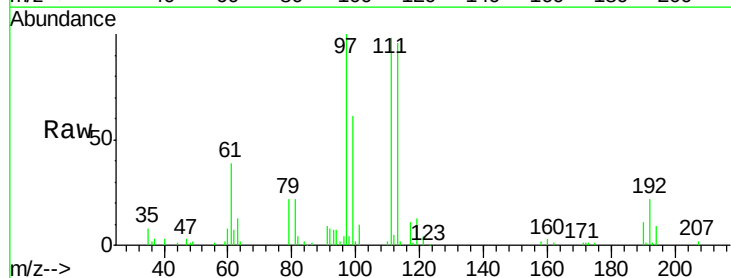
Manual Integrations
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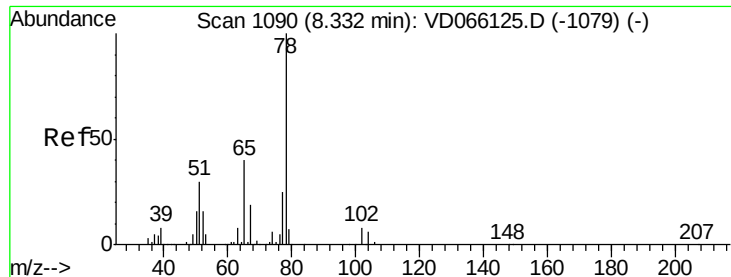
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#32
1,1,1-Trichloroethane
Concen: 21.915 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.1	76.7
61	41.1	32.7	49.1





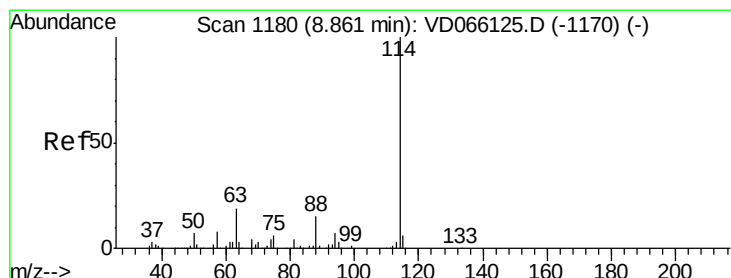
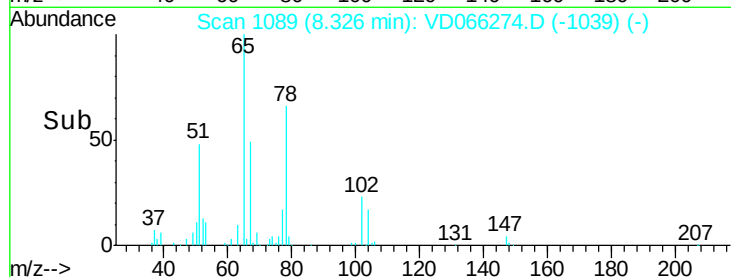
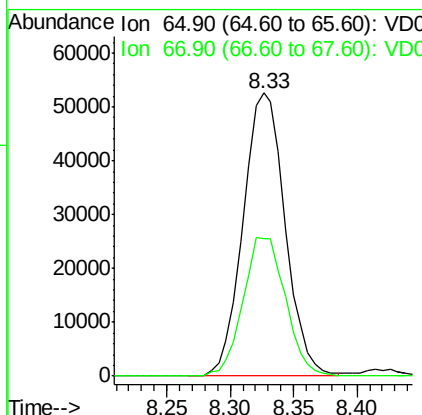
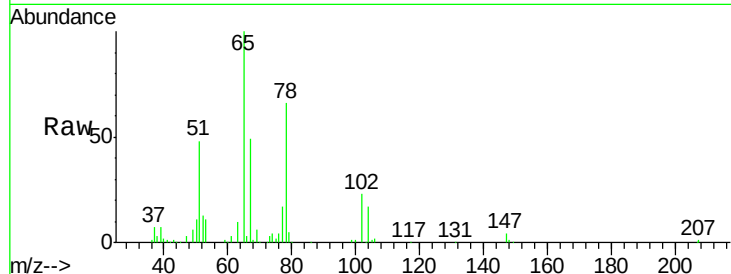
#33
 1,2-Dichloroethane-d4
 Concen: 52.238 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	121051		
67	49.7	0.0	104.6	

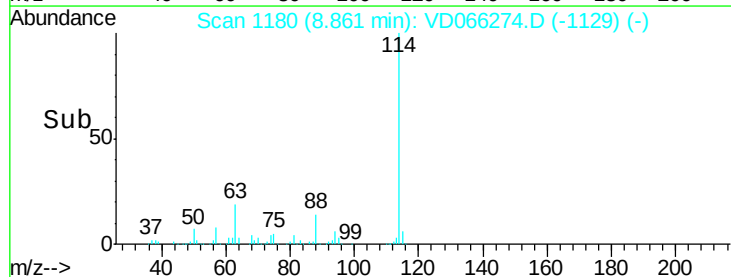
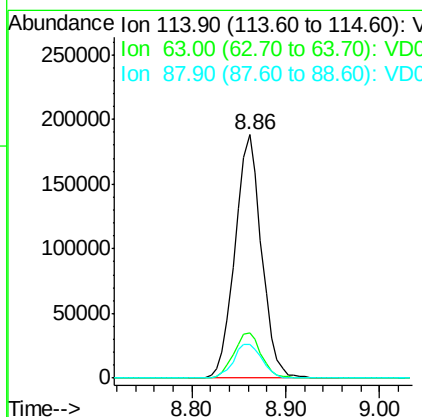
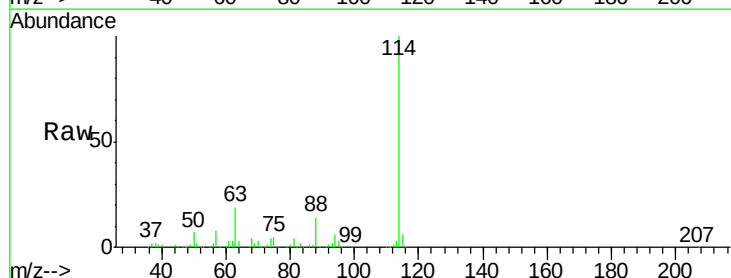
Manual Integrations
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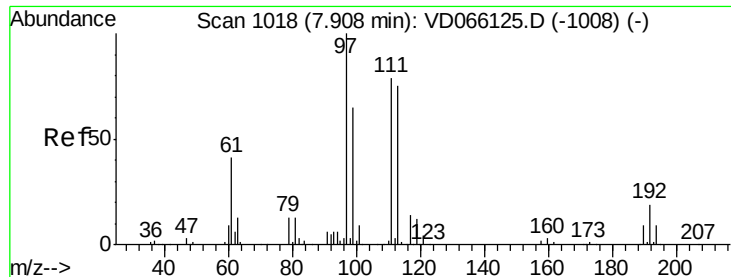
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	368982		
63	18.6	0.0	38.6	
88	14.0	0.0	30.0	





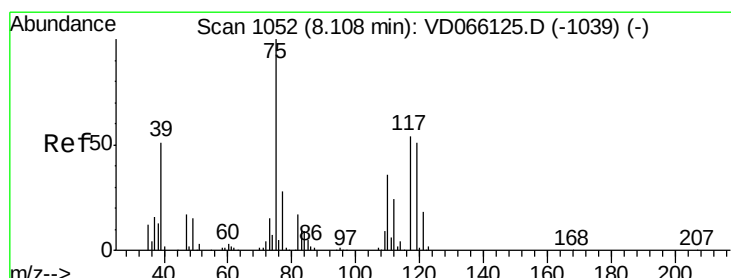
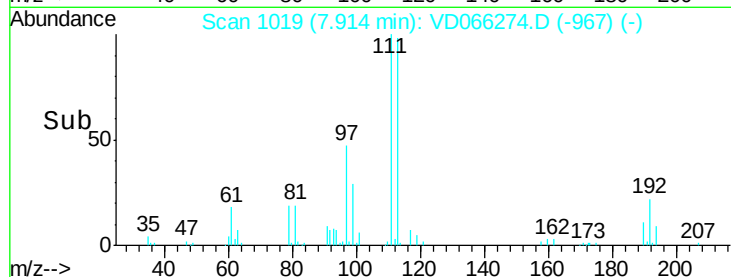
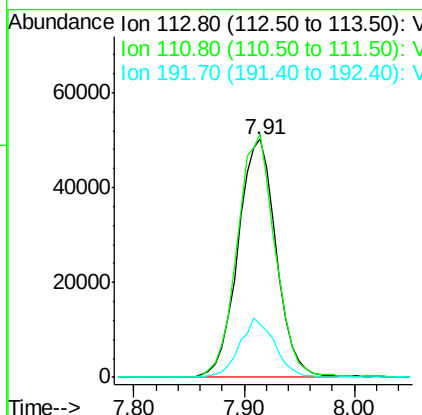
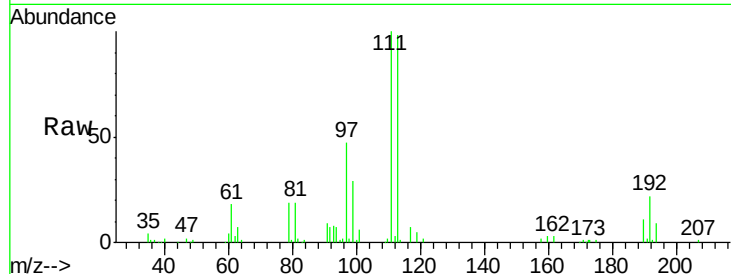
#35
 Dibromofluoromethane
 Concen: 52.218 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	122058		
111	101.5	80.7	121.1	
192	22.7	18.4	27.6	

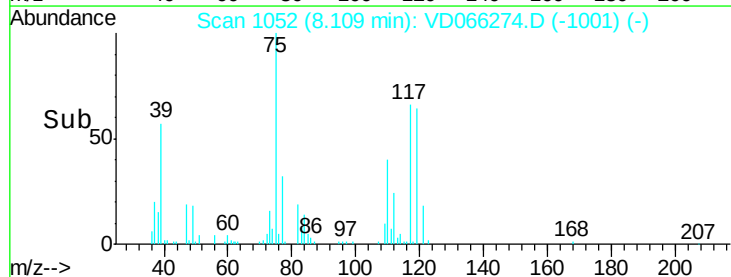
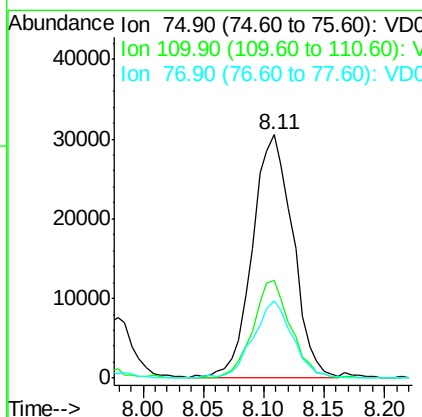
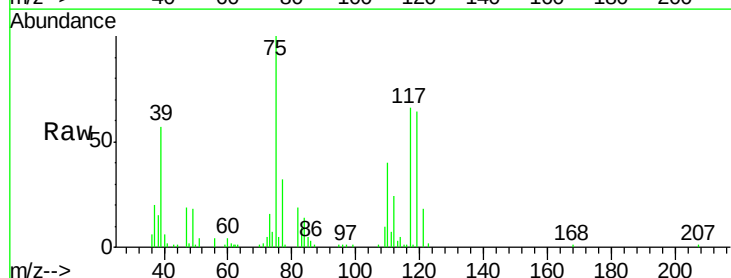
Manual Integrations
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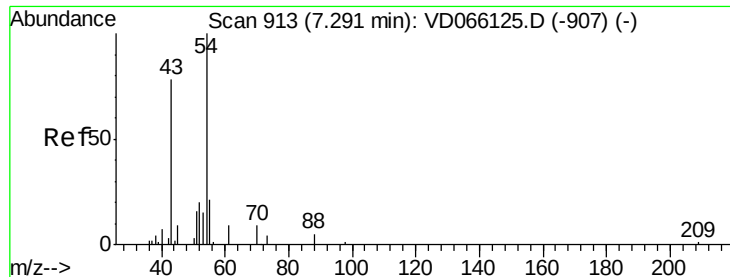
MMDadoda
 8/19/2020 5:23:09 PM



#36
 1,1-Dichloropropene
 Concen: 20.527 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71174		
110	37.4	18.8	56.3	
77	31.0	24.2	36.2	





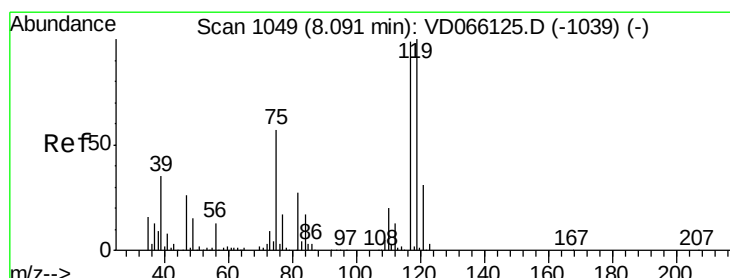
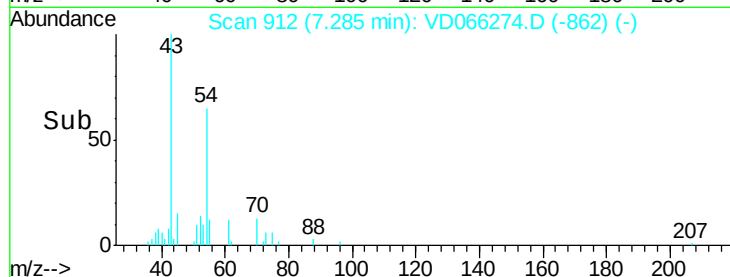
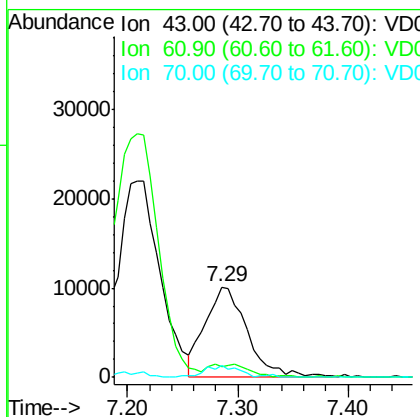
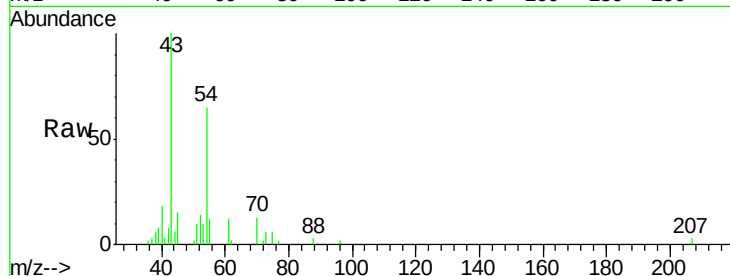
#37
Ethyl Acetate
Concen: 19.603 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	12.0	18.0
70	10.0	9.7	14.5

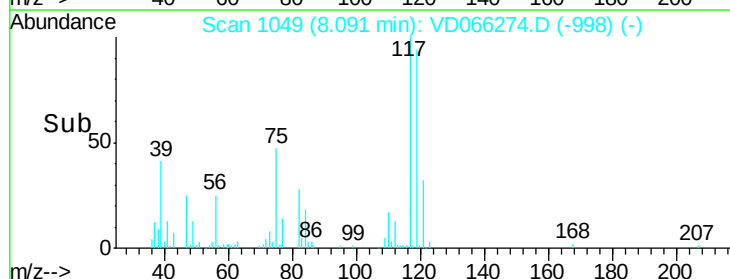
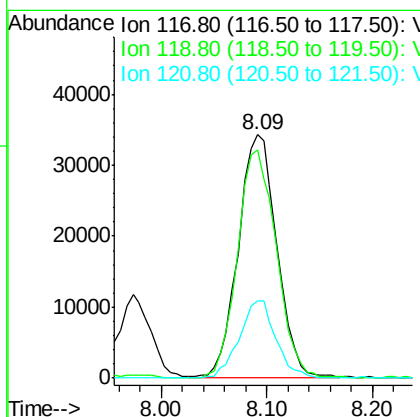
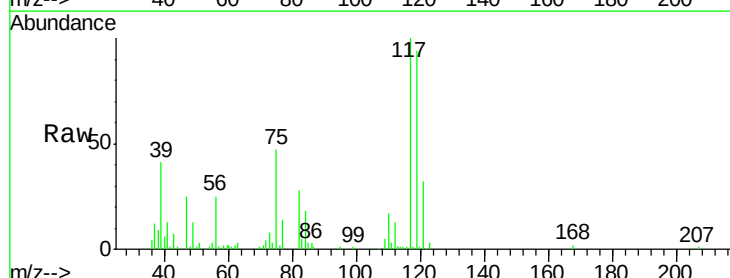
Manual Integrations
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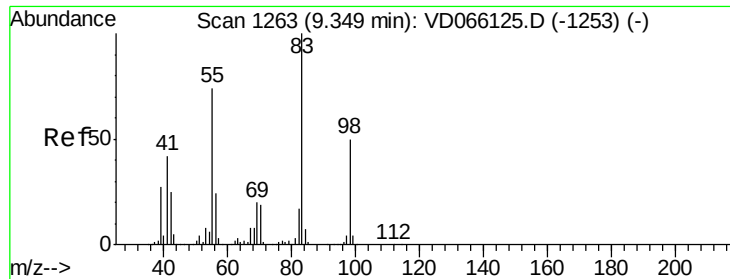
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#38
Carbon Tetrachloride
Concen: 22.551 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	81.0	121.4
121	31.6	24.8	37.2





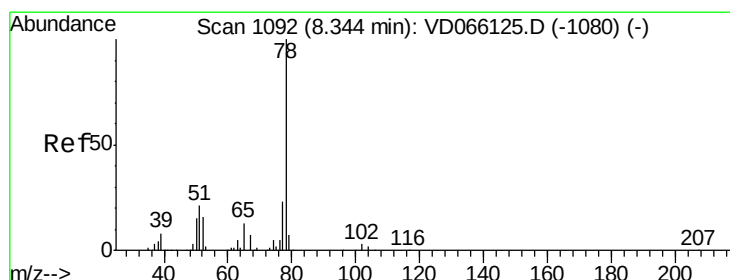
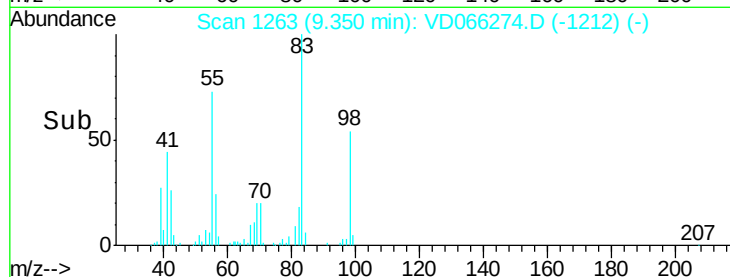
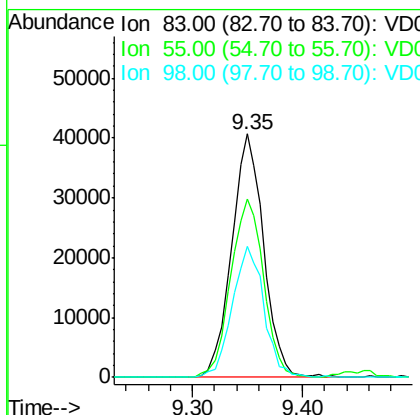
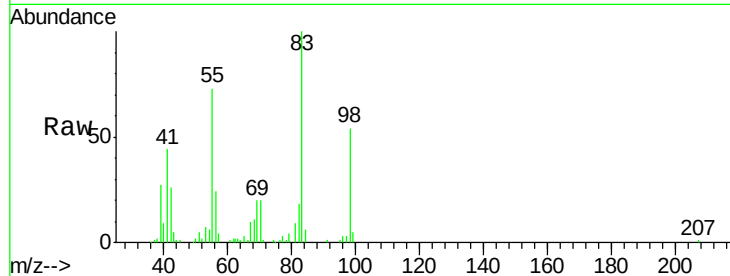
#39
Methylvlcyclohexane
Concen: 19.705 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	83	Resp	82591
Ion Ratio	Lower	Upper	
83	100		
55	73.4	59.2	88.8
98	54.1	39.8	59.6

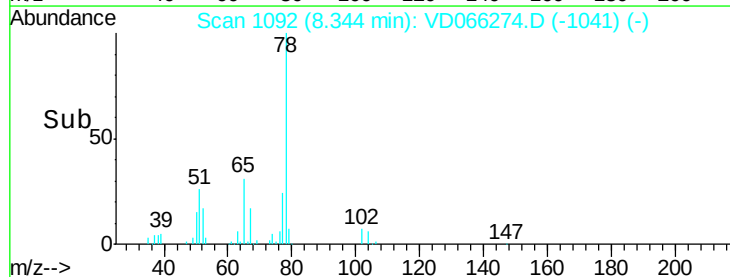
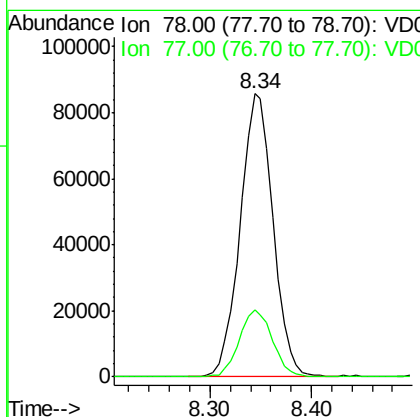
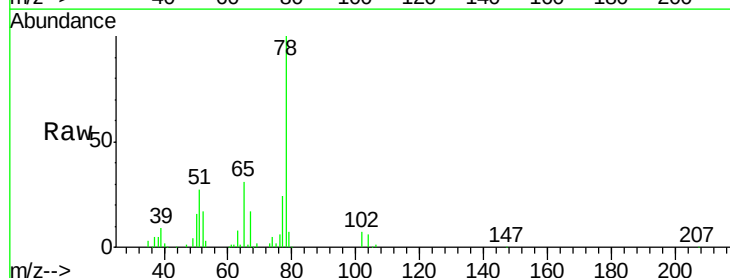
Manual Integrations
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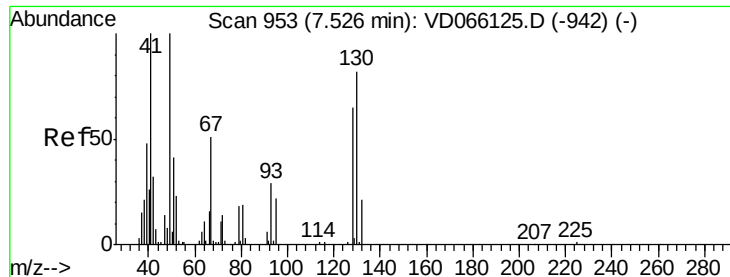
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#40
Benzene
Concen: 20.039 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	78	Resp	192750
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.6	27.8





#41

Methacrylonitrile

Concen: 15.393 ug/l m

RT: 7.51 min Scan# 951

Delta R.T. -0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 41 Resp: 12434

Ion Ratio Lower Upper

41 100

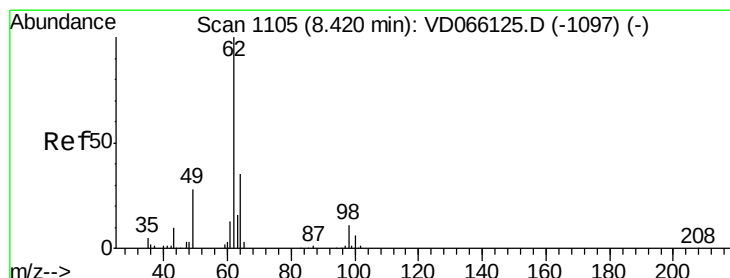
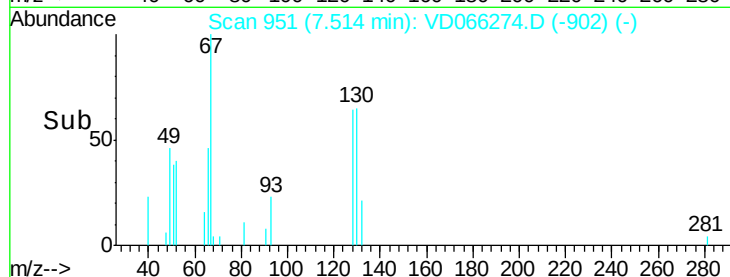
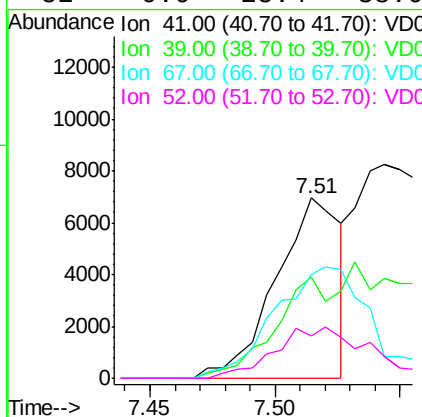
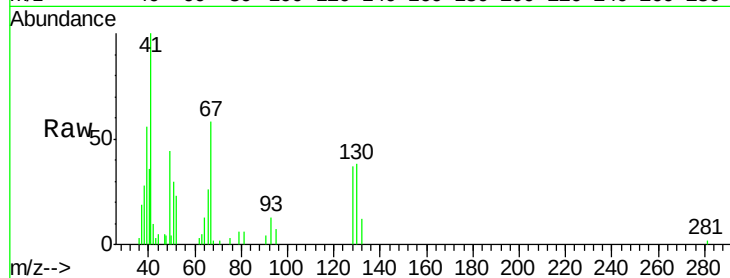
39 0.0 47.5 71.3#

67 0.0 59.1 88.7#

52 0.0 25.4 38.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.184 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066274.D

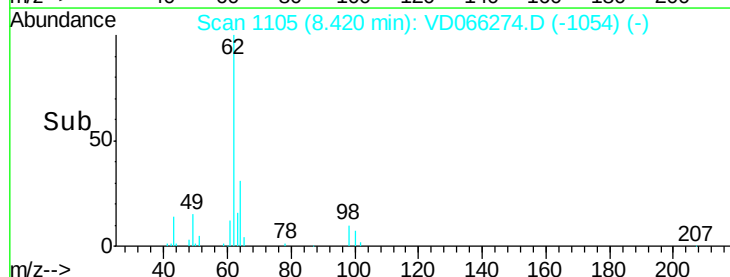
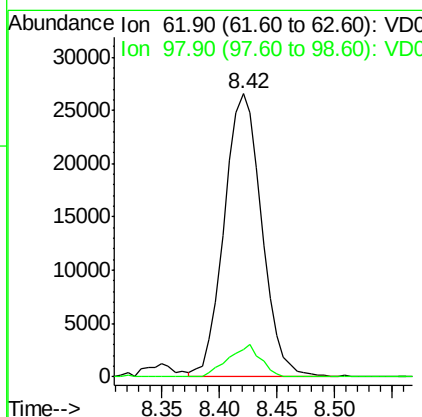
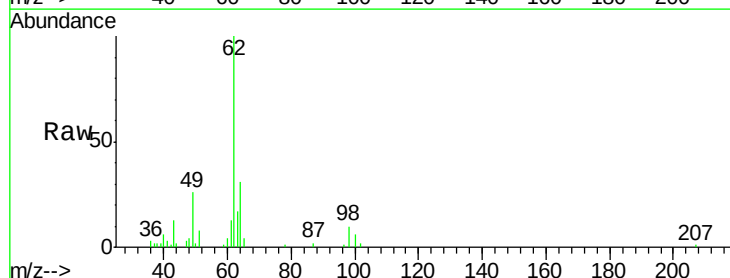
Acq: 18 Aug 2020 13:32

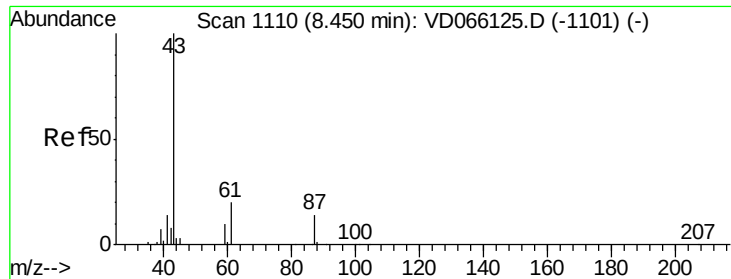
Tgt Ion: 62 Resp: 59860

Ion Ratio Lower Upper

62 100

98 9.7 0.0 20.4





#43

Isopropyl Acetate

Concen: 19.101 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

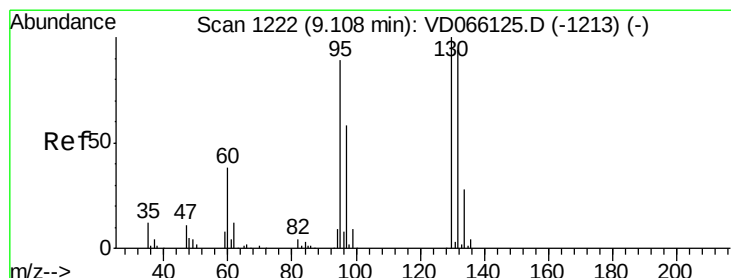
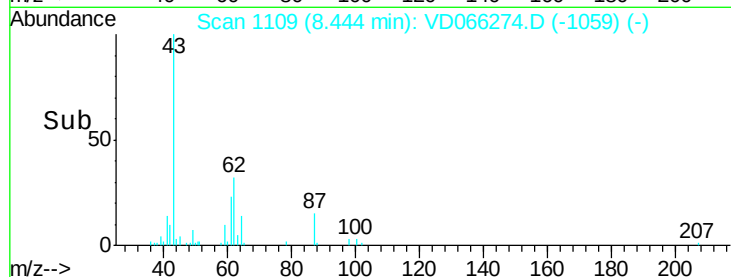
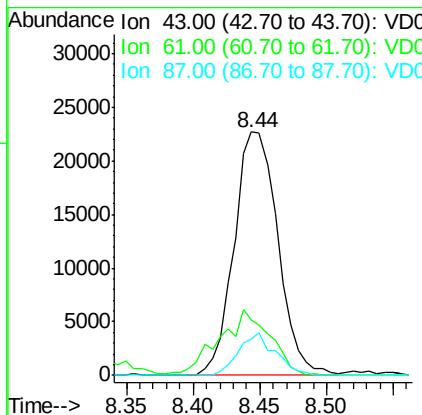
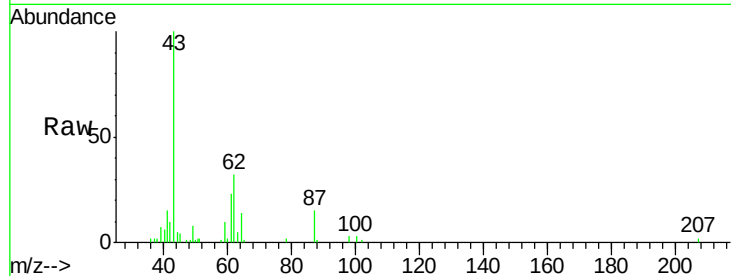
ClientSampleId :

VD0818SBS01

Tot Ion:	43	Resp:	51701
Ion	Ratio	Lower	Upper
43	100		
61	31.2	25.5	38.3
87	14.6	11.2	16.8

Manual Integrations
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8/19/2020 5:23:09 PM



#44

Trichloroethene

Concen: 21.226 ug/l

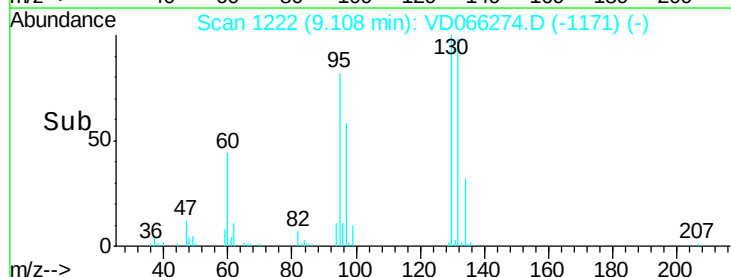
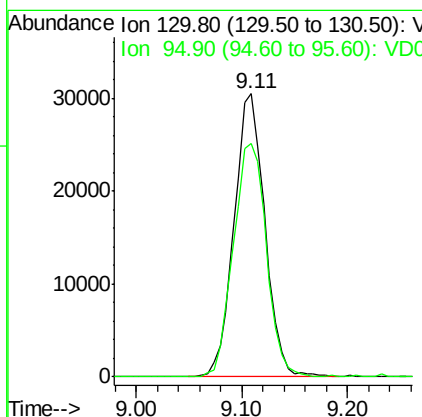
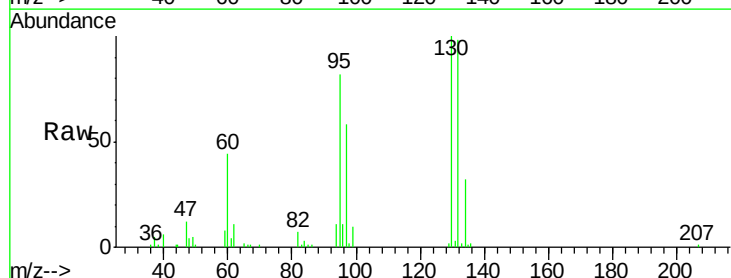
RT: 9.11 min Scan# 1222

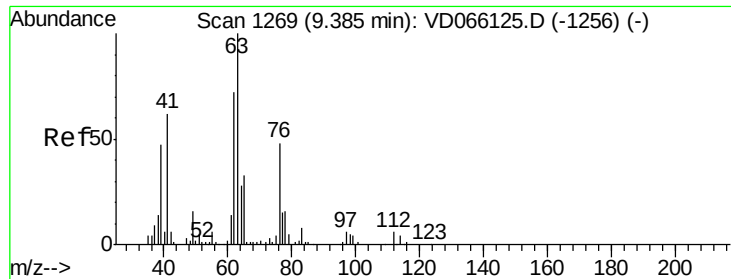
Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Tgt Ion:	130	Resp:	61523
Ion	Ratio	Lower	Upper
130	100		
95	82.5	0.0	178.4





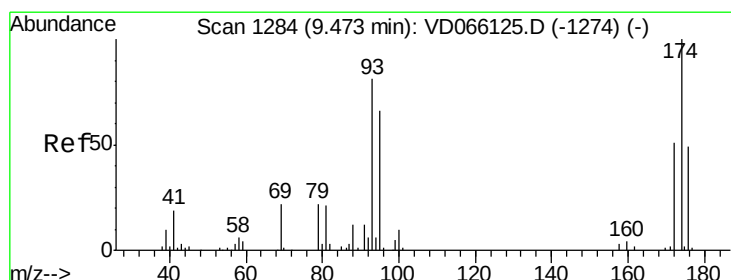
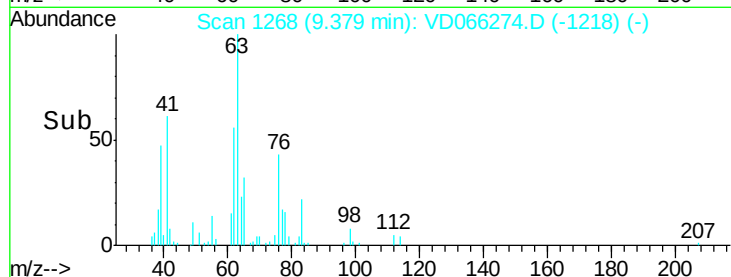
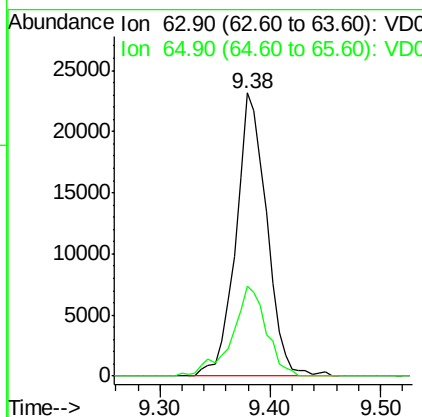
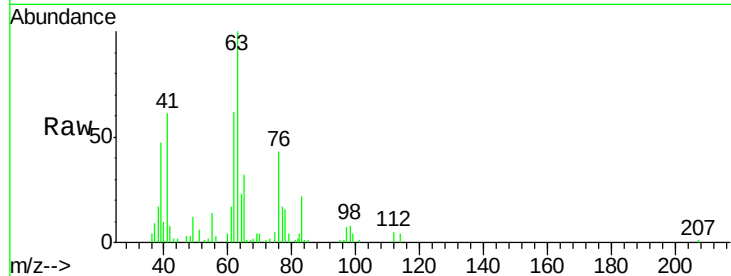
#45
 1,2-Dichloropropane
 Concen: 19.296 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion: 63 Resp: 45392
 Ion Ratio Lower Upper
 63 100
 65 31.7 26.5 39.7

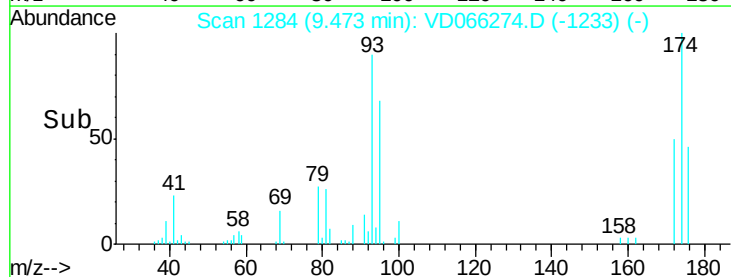
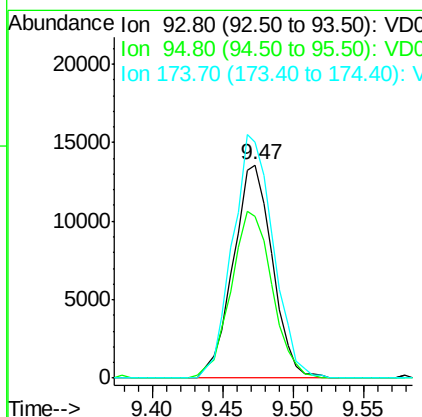
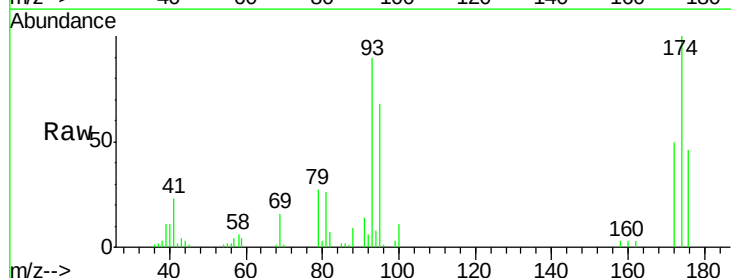
Manual Integrations
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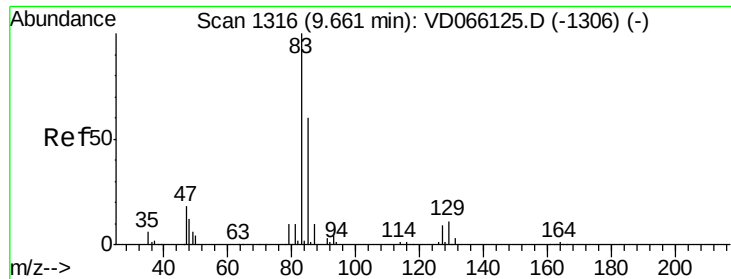
MMDadoda
 8/19/2020 5:23:09 PM



#46
 Dibromomethane
 Concen: 20.358 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Tgt Ion: 93 Resp: 26380
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.8 98.6
 174 118.5 92.8 139.2





#47

Bromodichloromethane

Concen: 21.449 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

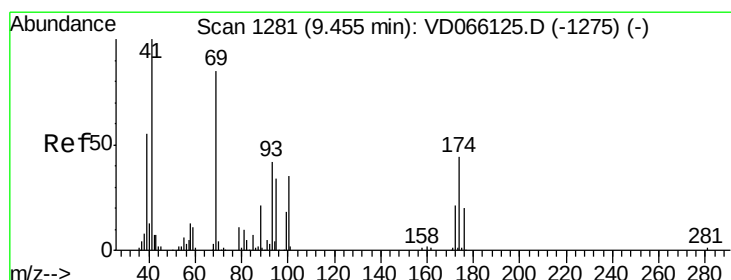
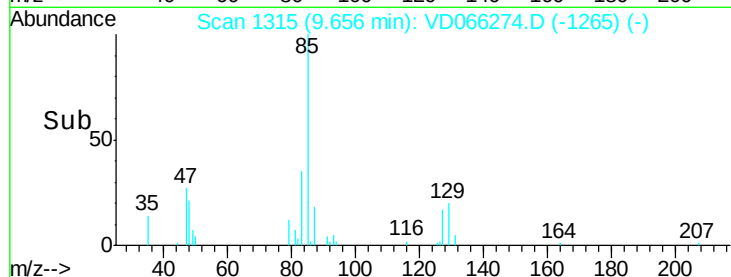
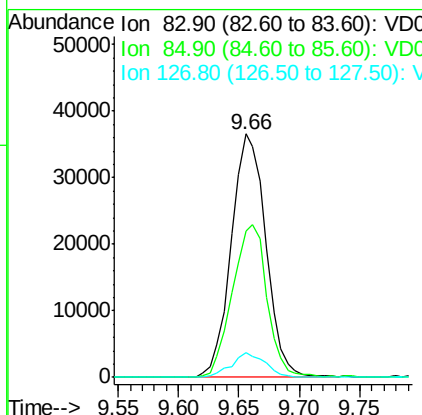
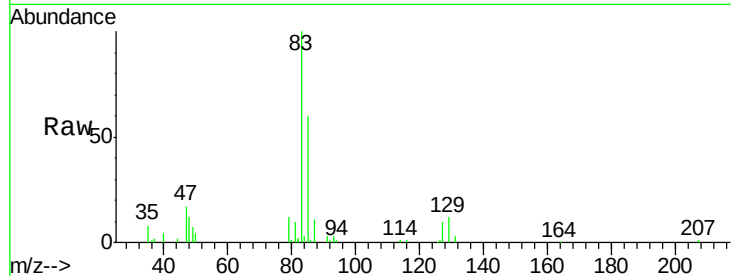
ClientSampleId :

VD0818SBS01

Tot Ion:	83	Resp:	73458
Ion	Ratio	Lower	Upper
83	100		
85	60.3	48.2	72.4
127	10.4	7.3	10.9

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#48

Methyl methacrylate

Concen: 16.231 ug/l

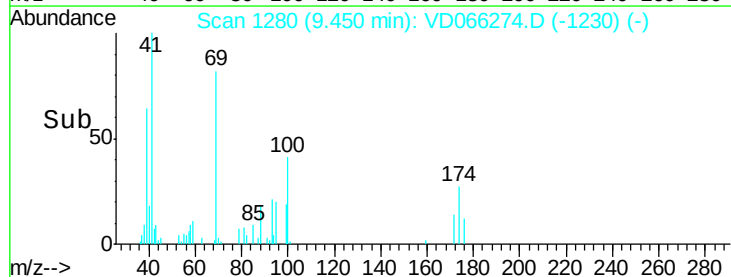
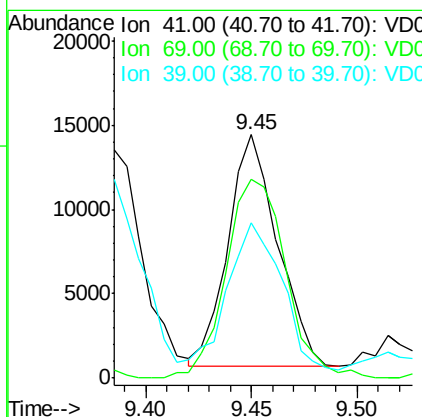
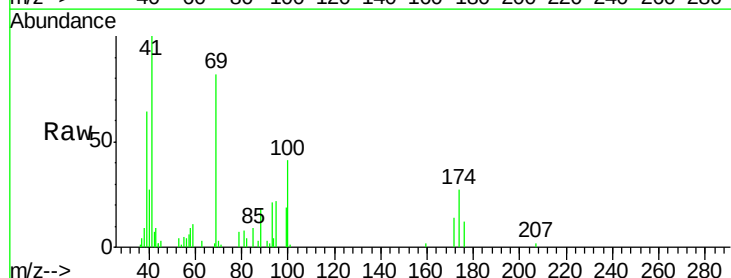
RT: 9.45 min Scan# 1280

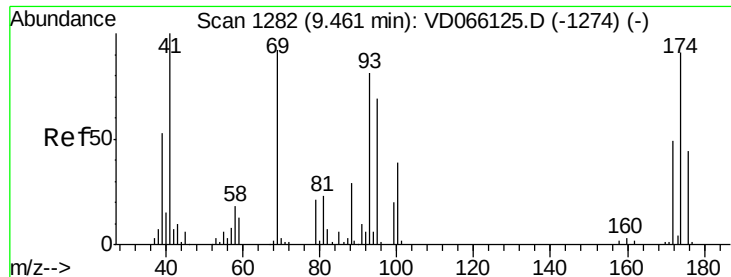
Delta R.T. -0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Tgt Ion:	41	Resp:	22434
Ion	Ratio	Lower	Upper
41	100		
69	103.5	63.9	95.9#
39	67.8	42.6	64.0#





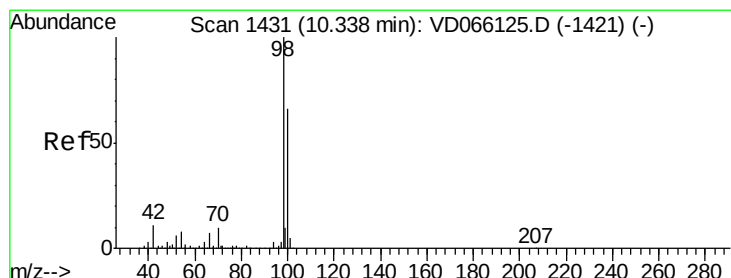
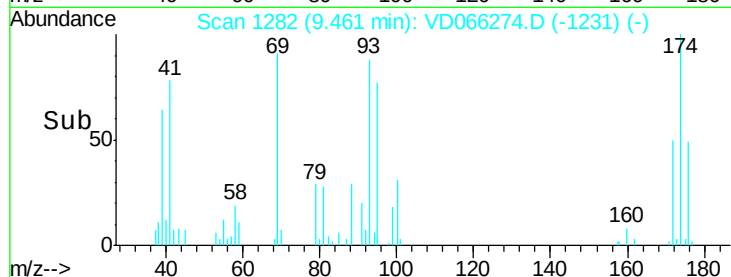
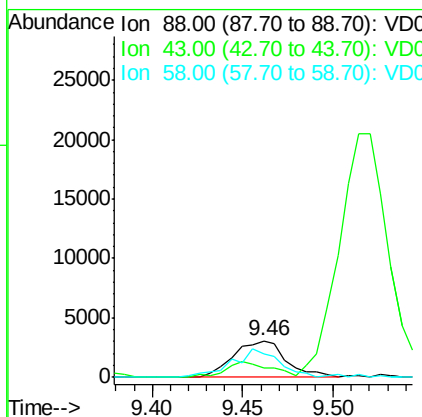
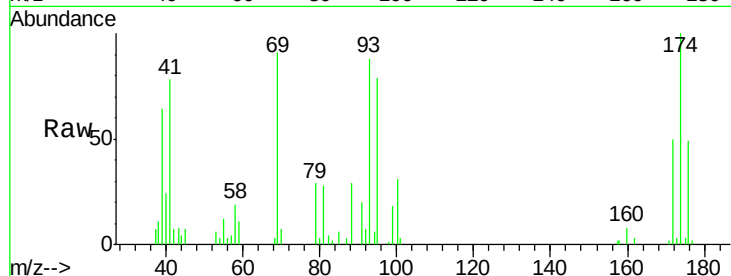
#49
 1,4-Dioxane
 Concen: 368.700 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	27.5	41.3
58	70.5	50.2	75.4

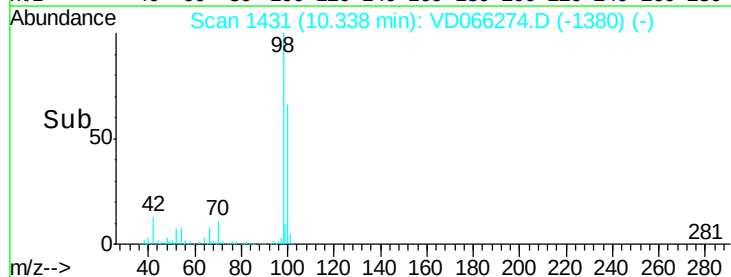
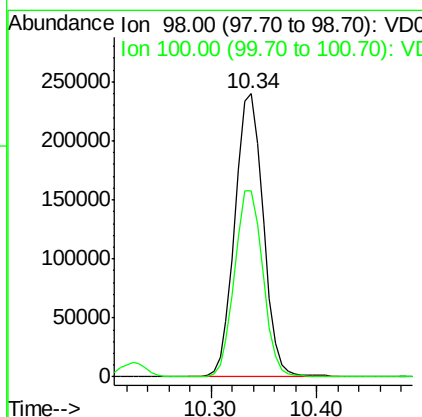
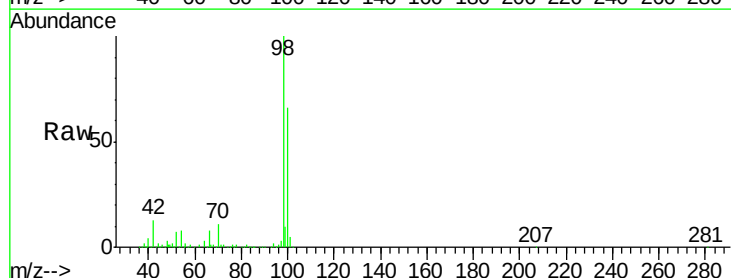
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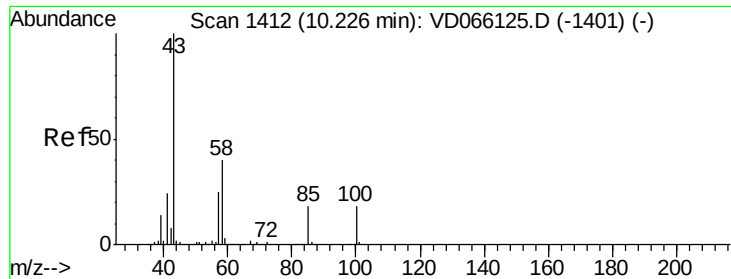
MMDadoda
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#50
 Toluene-d8
 Concen: 51.773 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.6	78.8





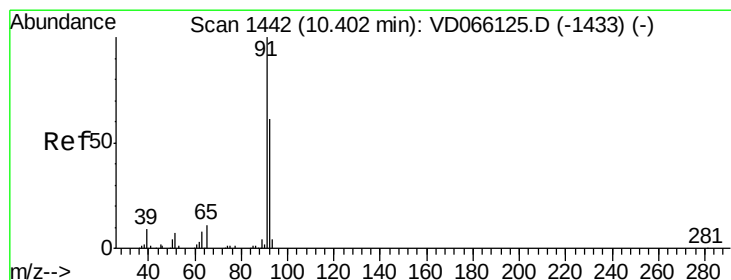
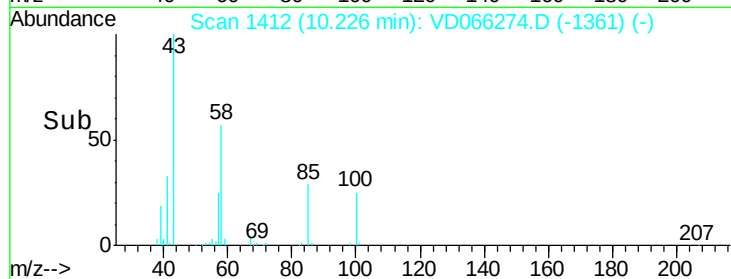
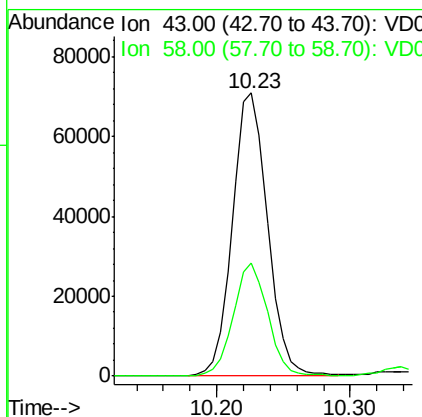
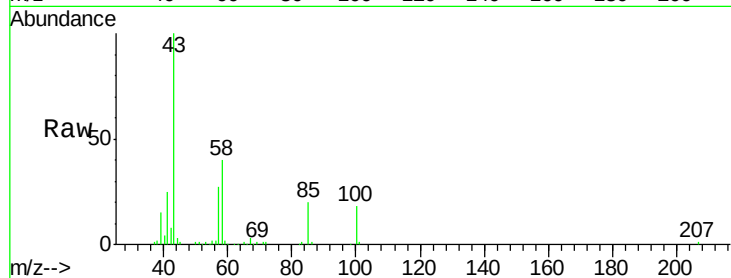
#51
4-Methyl-2-Pentanone
Concen: 93.340 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	43	Resp	129776
Ion Ratio	43	100	
Lower	58	39.2	31.1
Upper			46.7

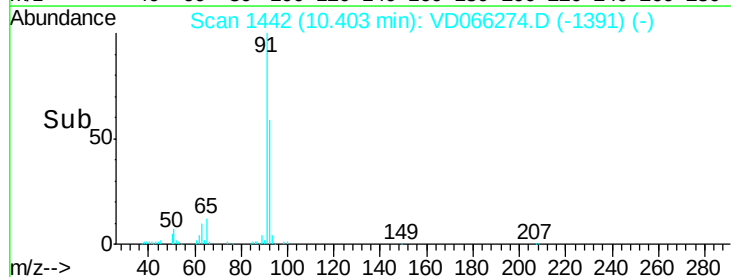
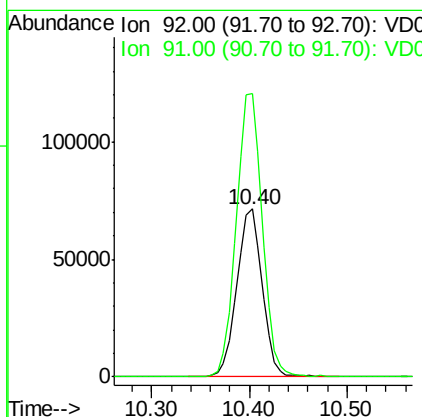
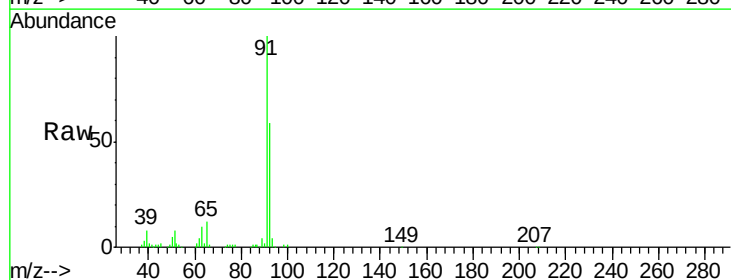
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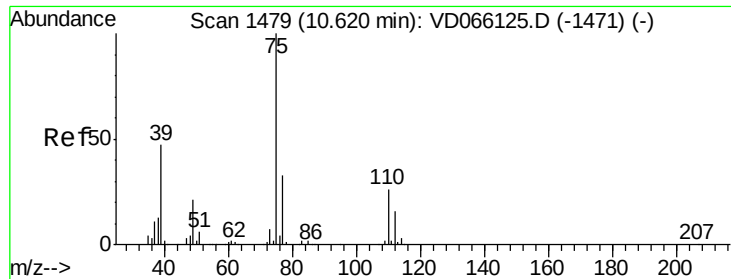
MMDadoda
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#52
Toluene
Concen: 20.525 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	92	Resp	129906
Ion Ratio	92	100	
Lower	91	172.5	135.2
Upper			202.8





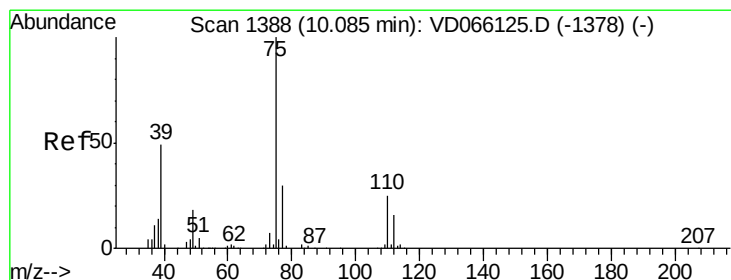
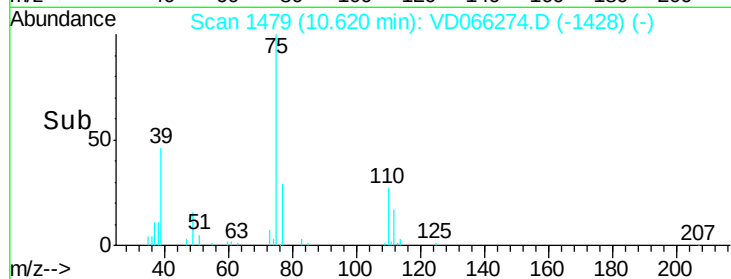
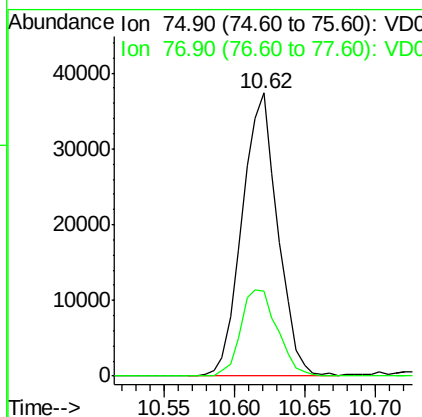
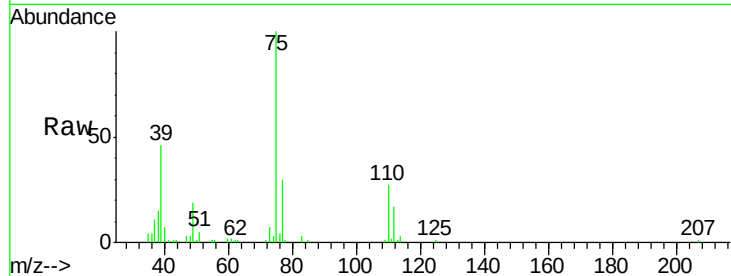
#53
 t-1,3-Dichloropropene
 Concen: 20.334 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion: 75 Resp: 66088
 Ion Ratio Lower Upper
 75 100
 77 30.0 26.2 39.2

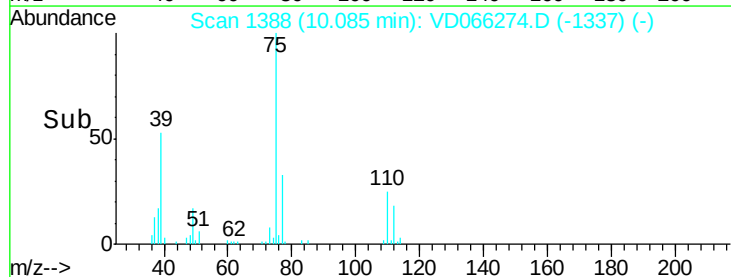
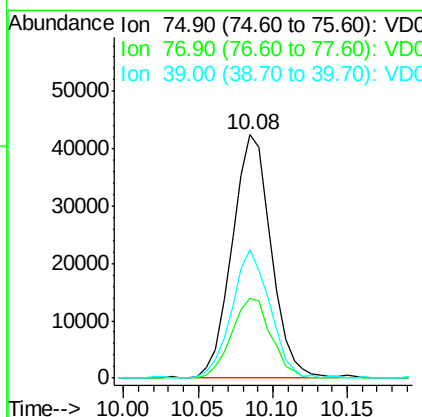
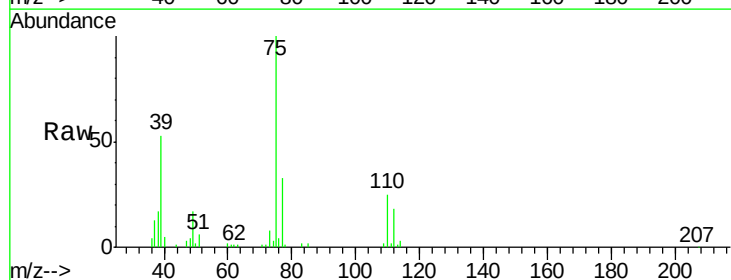
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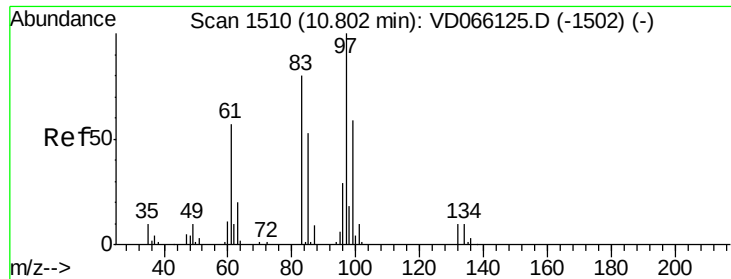
MMDadoda
 8/19/2020 5:23:09 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.332 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Tgt Ion: 75 Resp: 77422
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.3 36.5
 39 52.4 39.3 58.9





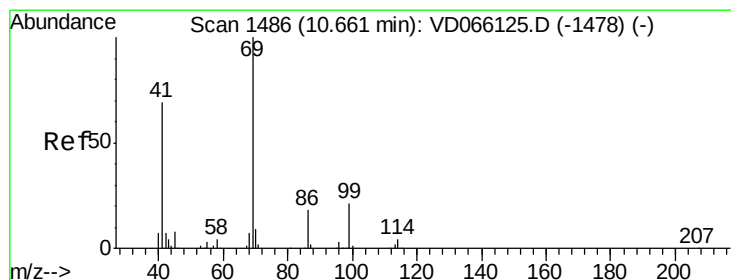
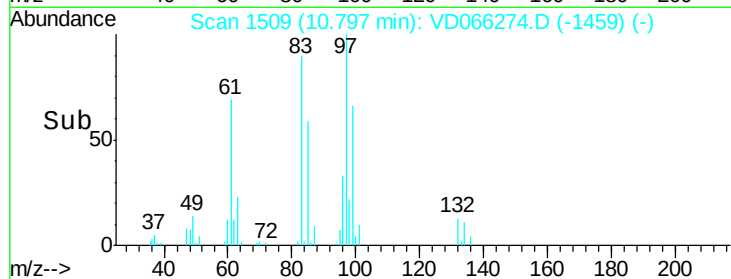
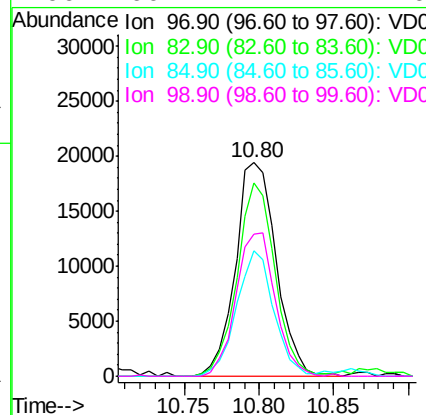
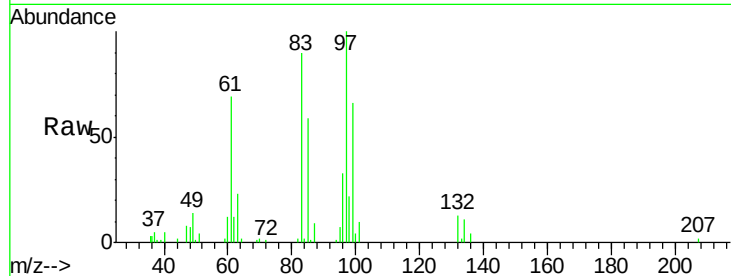
#55
 1,1,2-Trichloroethane
 Concen: 19.820 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		36982		
83	90.4	63.9	95.9		
85	58.9	42.5	63.7		
99	66.4	47.4	71.0		

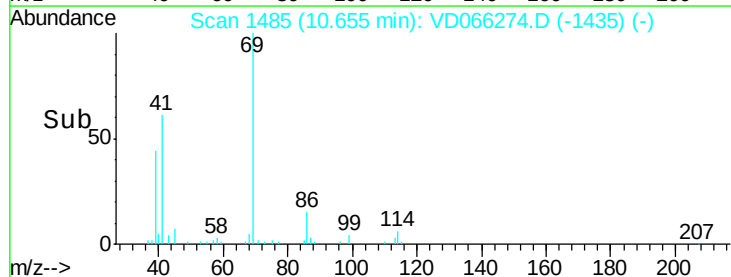
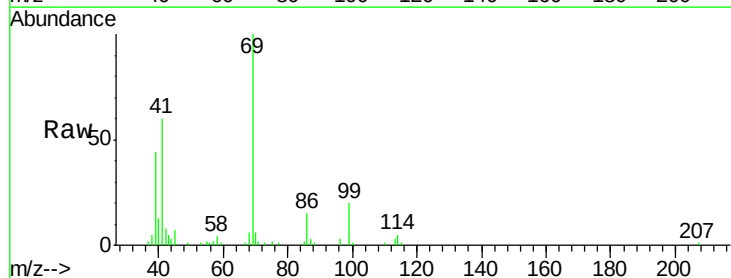
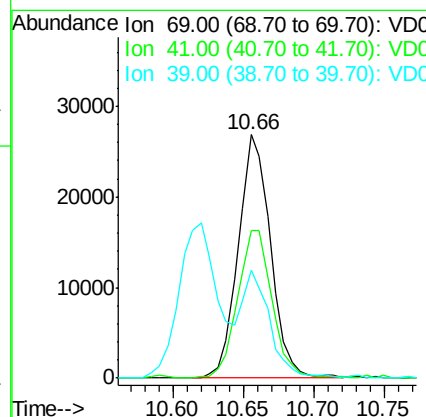
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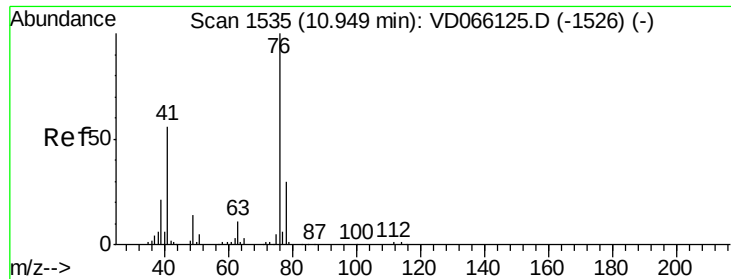
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#56
 Ethyl methacrylate
 Concen: 19.175 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		42979		
41	64.9	54.1	81.1		
39	37.7	28.6	43.0		





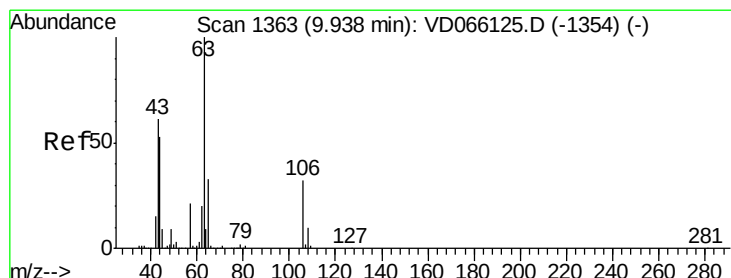
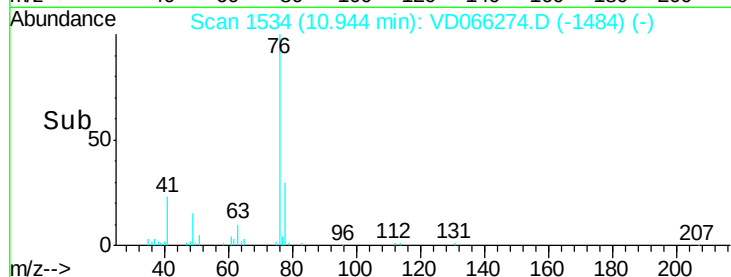
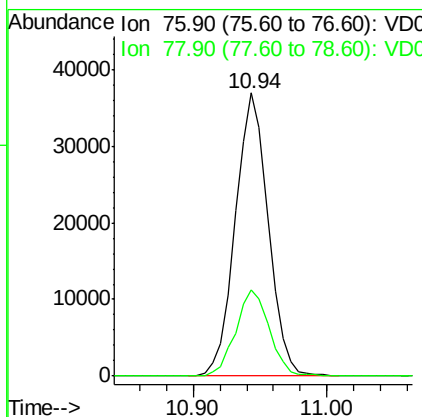
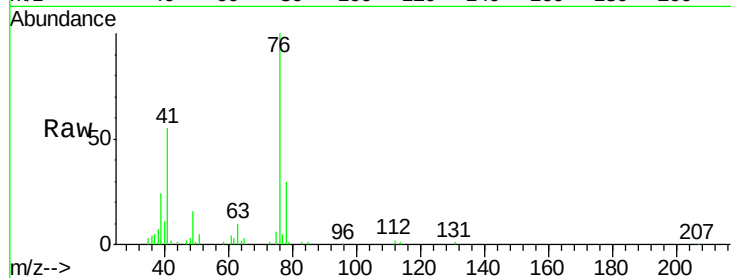
#57
 1,3-Dichloropropane
 Concen: 20.383 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion: 76 Resp: 63138
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.5 38.3

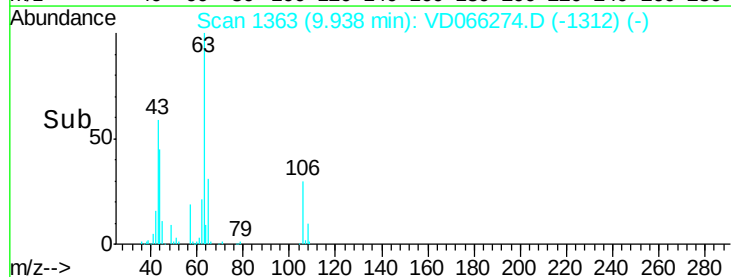
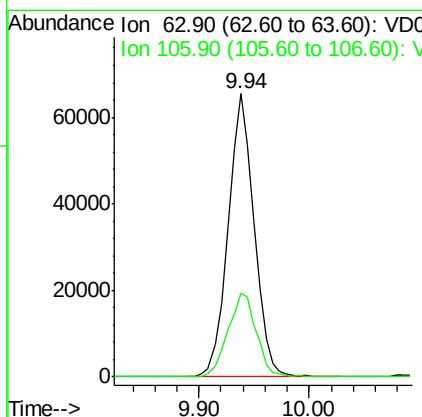
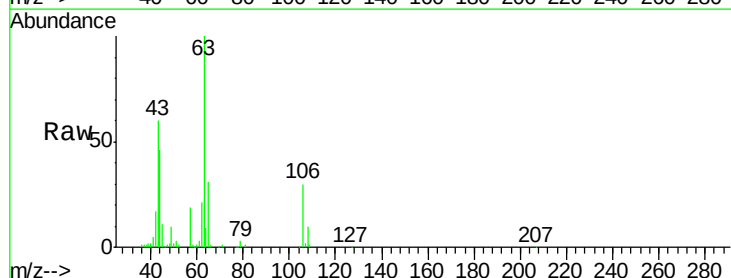
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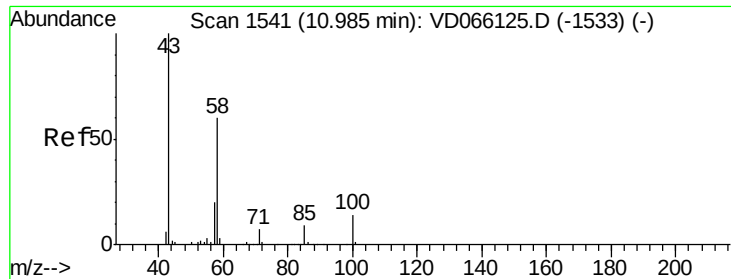
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 8/19/2020 5:23:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.176 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Tgt Ion: 63 Resp: 108059
 Ion Ratio Lower Upper
 63 100
 106 32.1 25.3 37.9





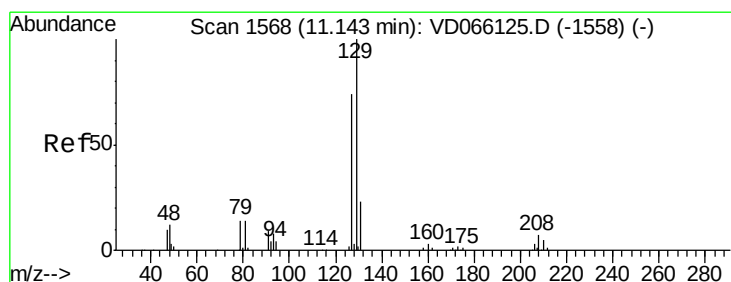
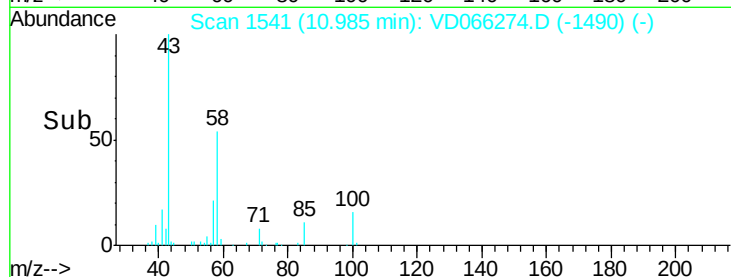
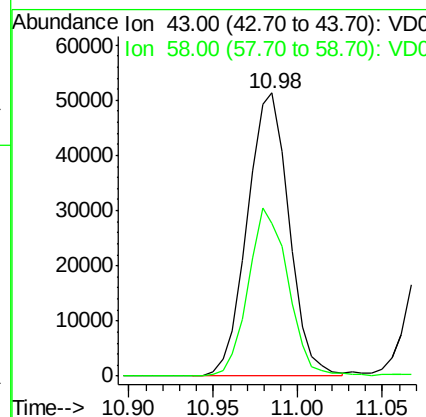
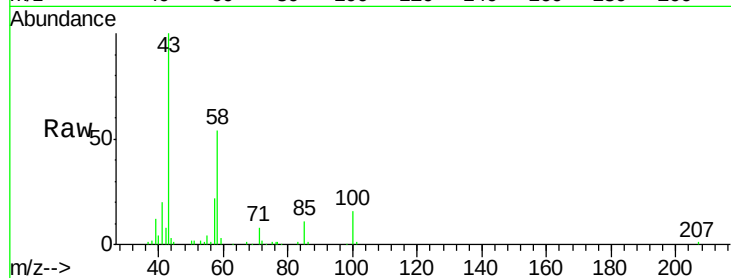
#59
2-Hexanone
Concen: 90.343 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion: 43 Resp: 88155
Ion Ratio Lower Upper
43 100
58 56.9 27.8 83.4

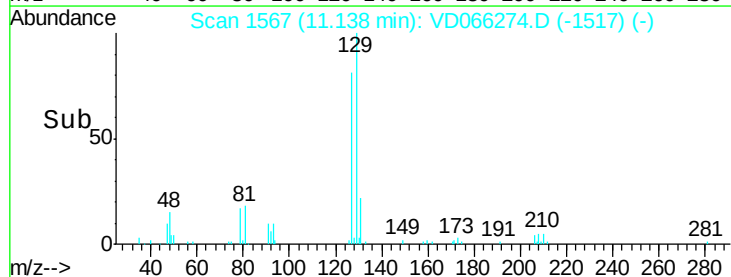
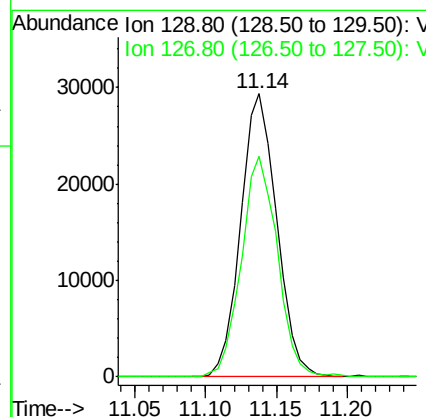
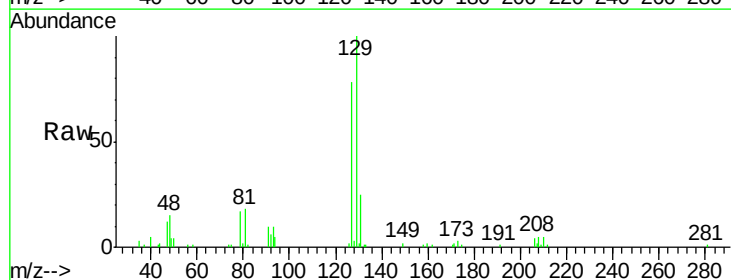
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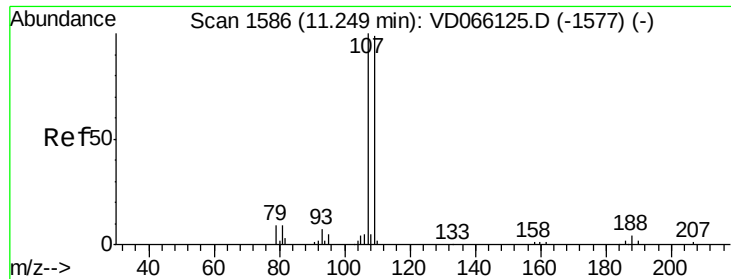
MMDadoda
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#60
Dibromochloromethane
Concen: 20.347 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion: 129 Resp: 52415
Ion Ratio Lower Upper
129 100
127 78.2 38.0 114.1





#61

1,2-Dibromoethane

Concen: 20.912 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion:107 Resp: 37526

Ion Ratio Lower Upper

107 100

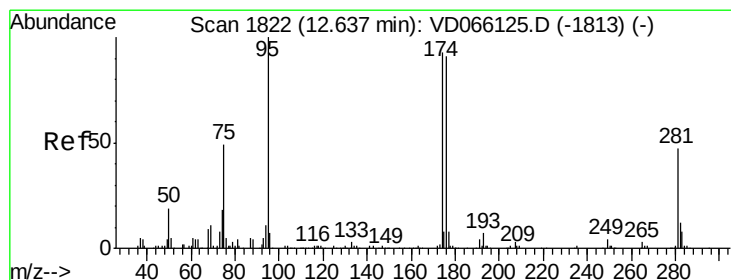
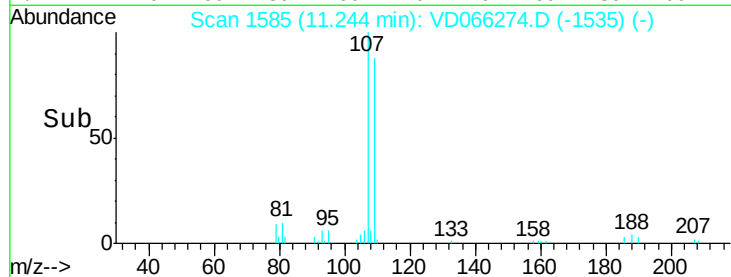
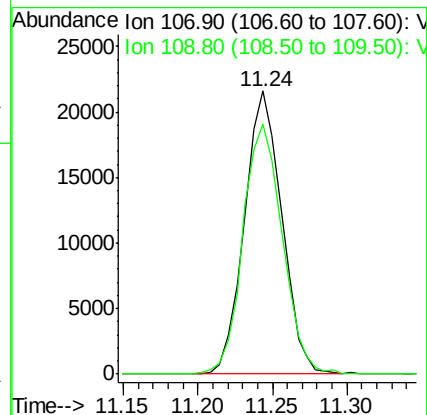
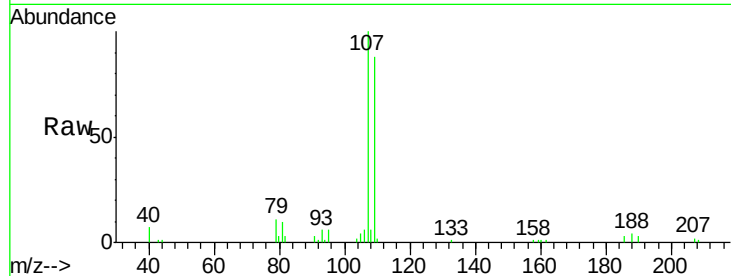
109 92.9 76.5 114.7

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#62

4-Bromofluorobenzene

Concen: 51.649 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

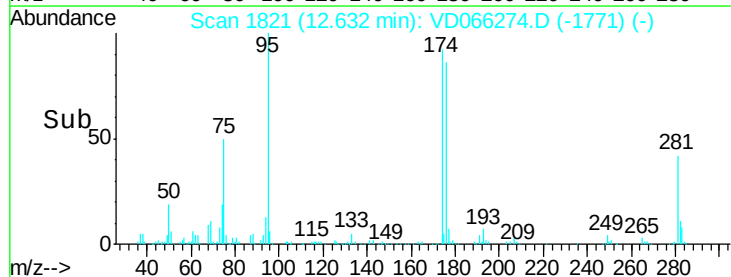
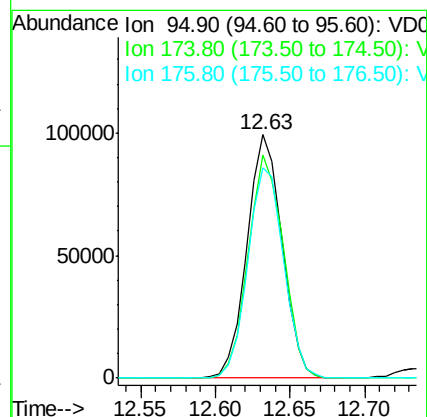
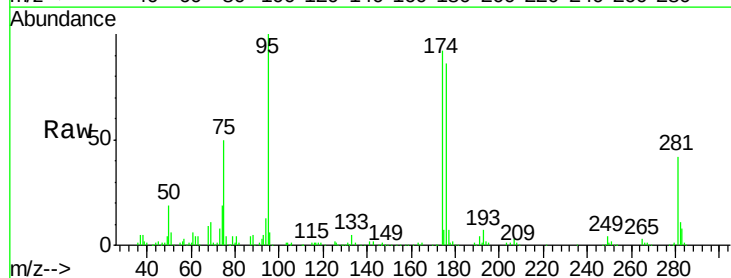
Tgt Ion: 95 Resp: 160592

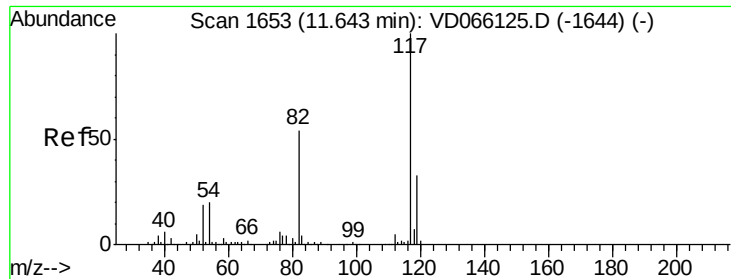
Ion Ratio Lower Upper

95 100

174 92.4 0.0 180.8

176 88.6 0.0 181.2





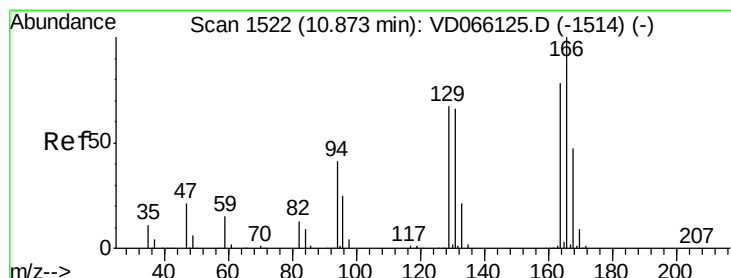
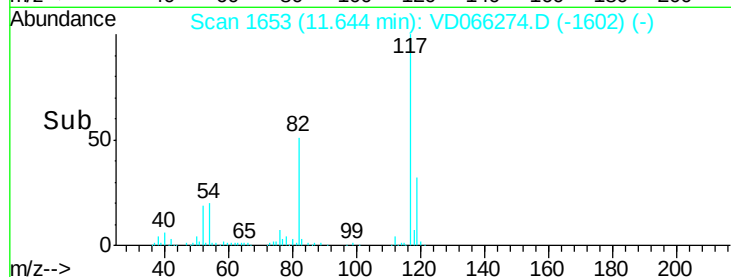
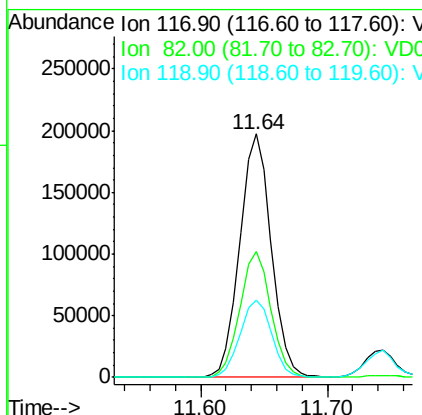
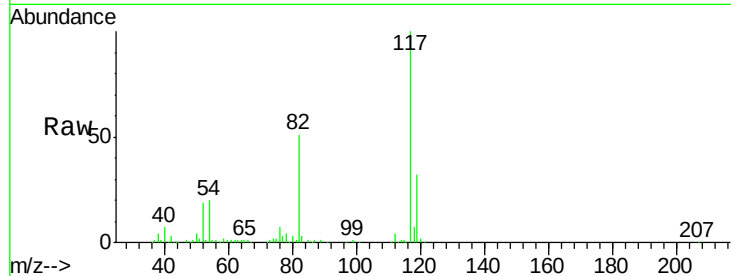
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	51.5	43.0	64.4	
119	31.5	26.1	39.1	

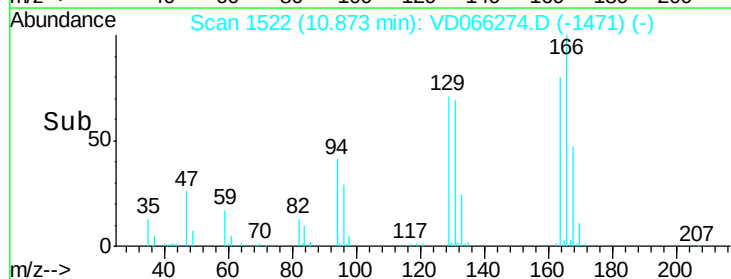
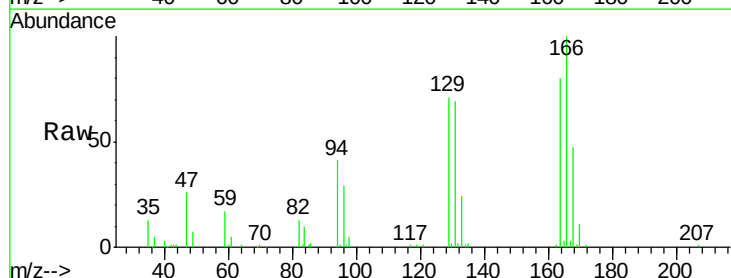
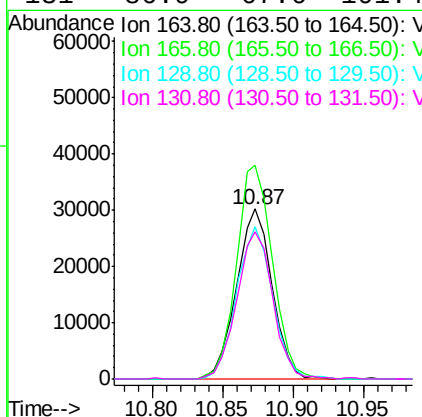
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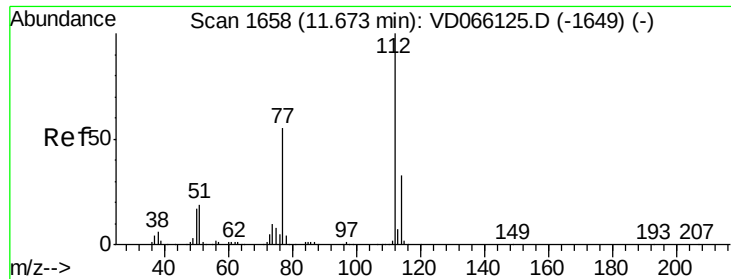
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#64
Tetrachloroethene
Concen: 20.392 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.7	101.9	152.9	
129	89.5	68.1	102.1	
131	86.9	67.6	101.4	





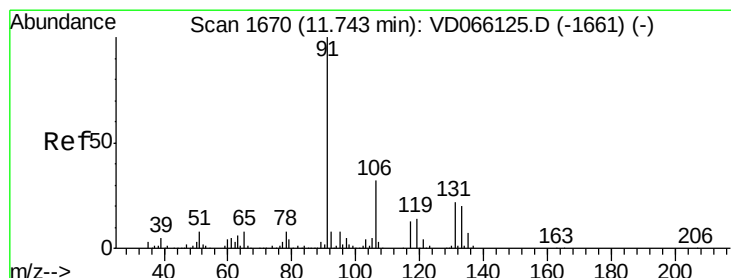
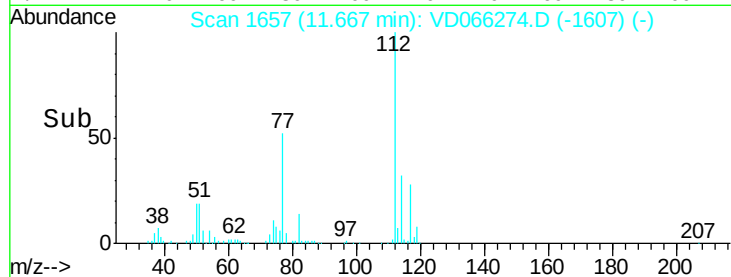
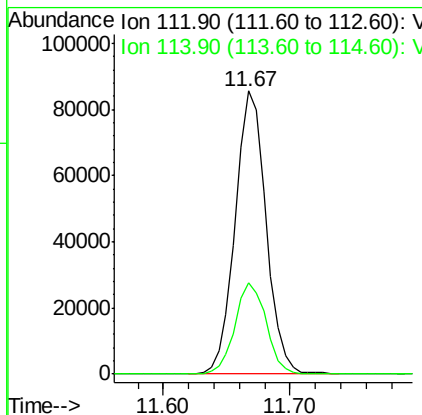
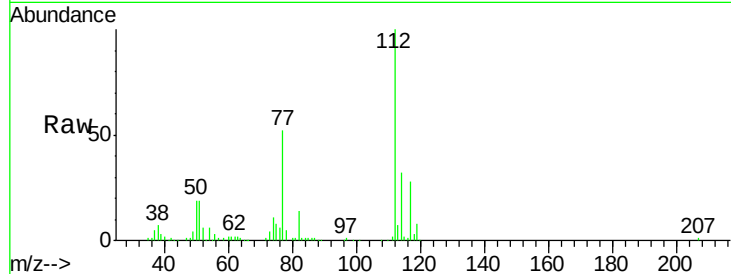
#65
Chlorobenzene
Concen: 20.959 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.1	39.1

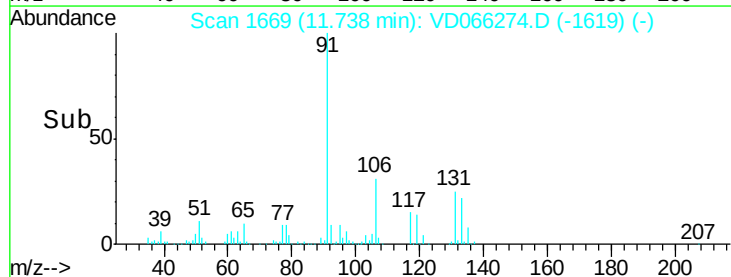
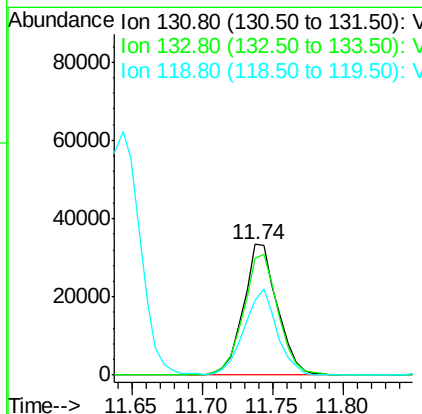
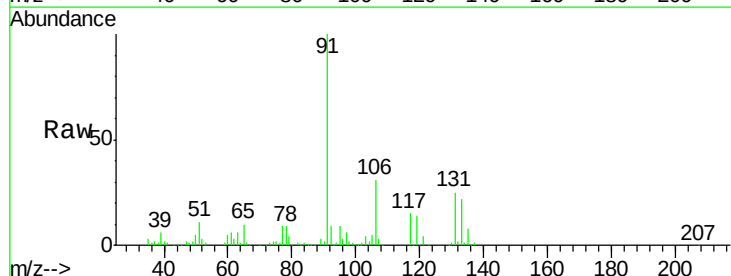
Manual Integrations
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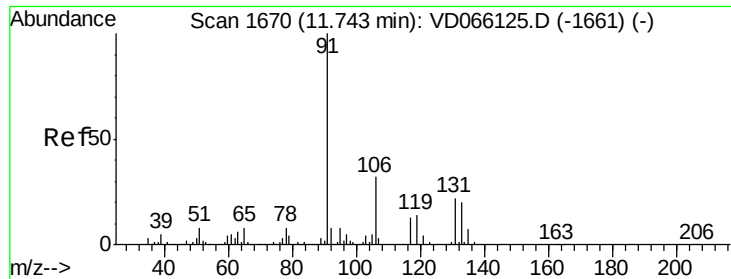
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.846 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.1	141.4
119	63.5	31.6	94.7





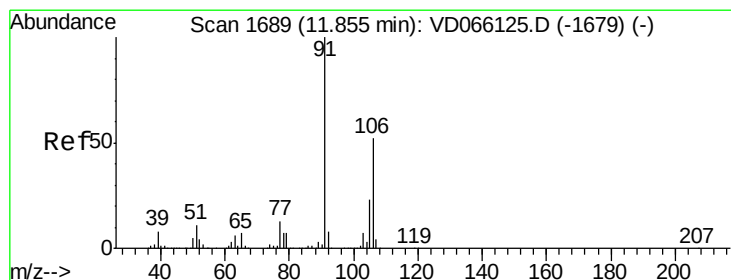
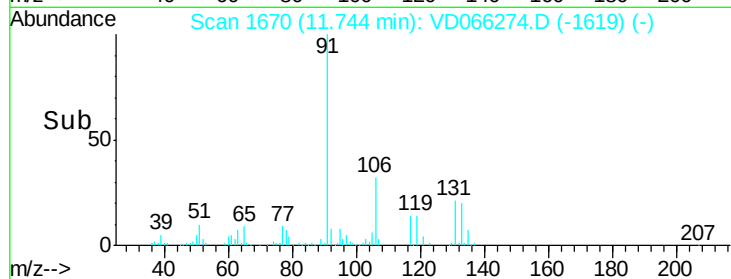
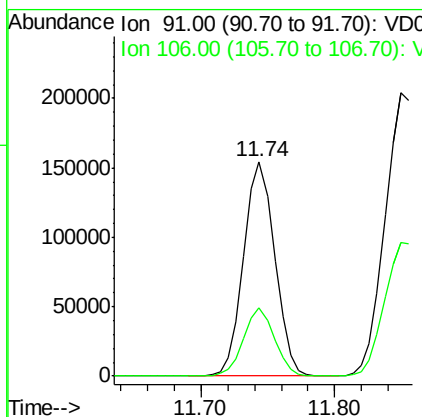
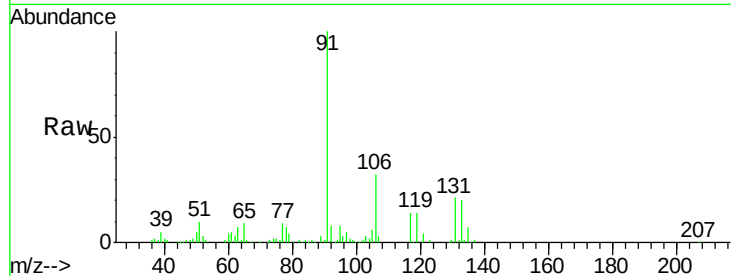
#67
Ethyl Benzene
Concen: 21.030 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion: 91 Resp: 251138
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5

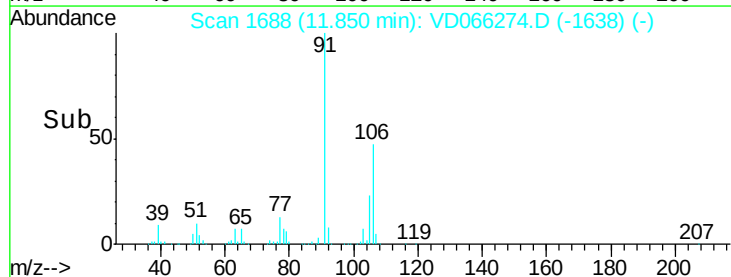
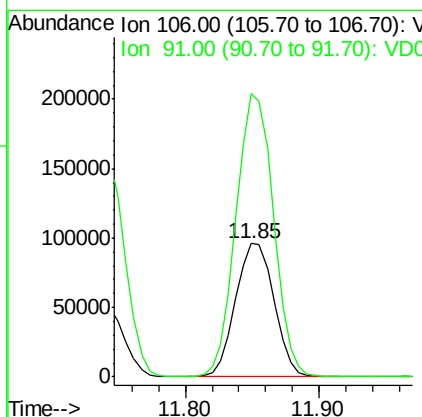
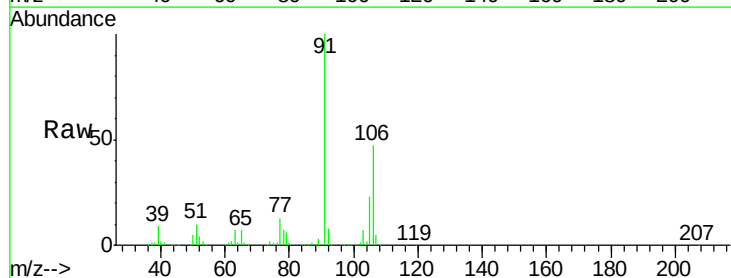
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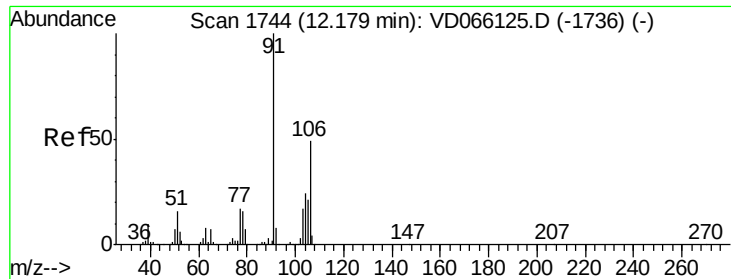
MMDadoda
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#68
m/p-Xylenes
Concen: 41.635 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion: 106 Resp: 192633
Ion Ratio Lower Upper
106 100
91 206.4 156.6 235.0





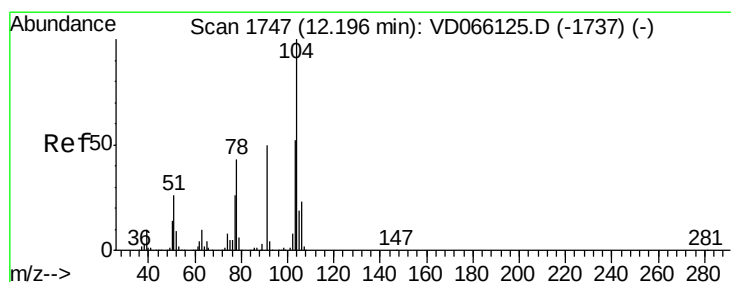
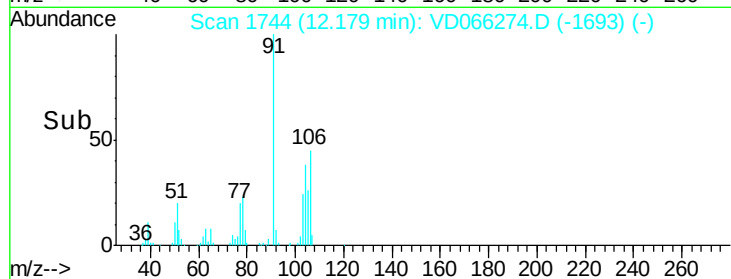
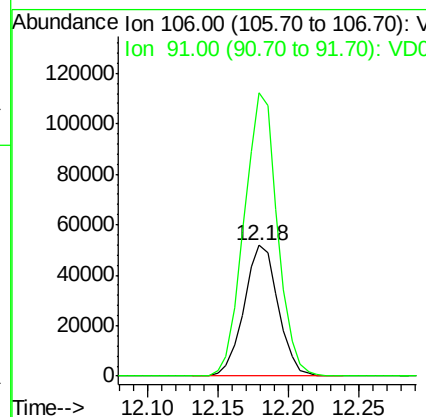
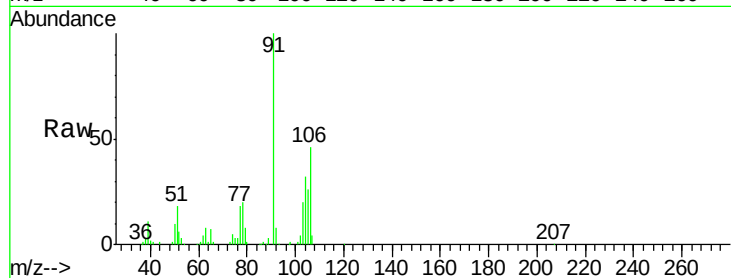
#69
o-Xylene
Concen: 20.768 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion:106 Resp: 87408
Ion Ratio Lower Upper
106 100
91 212.0 105.7 317.1

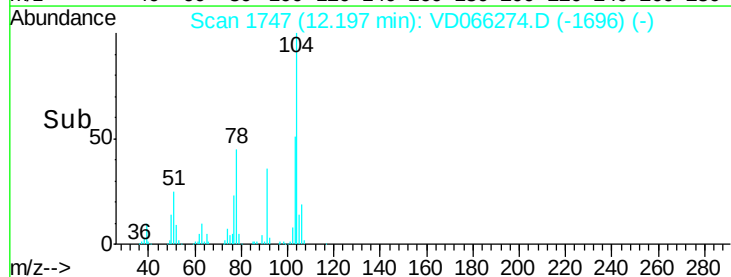
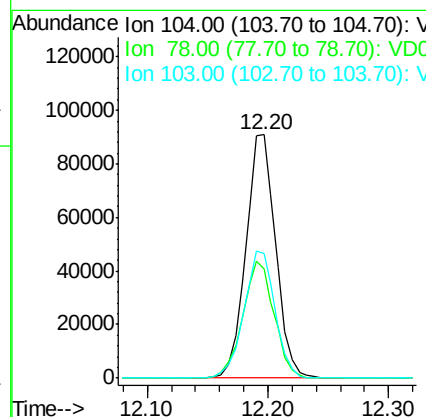
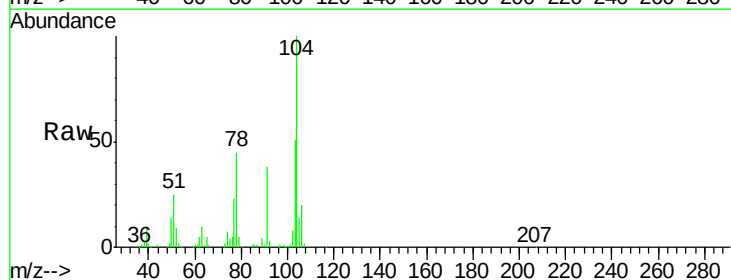
Manual Integrations
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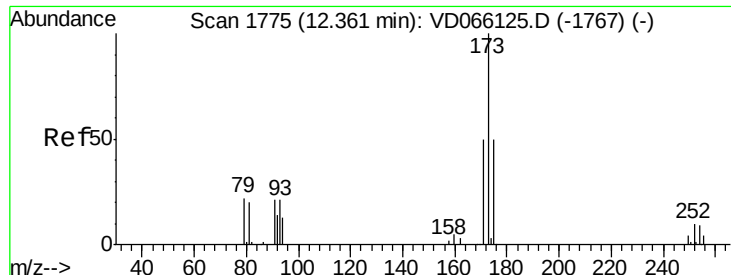
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#70
Styrene
Concen: 21.181 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion:104 Resp: 156228
Ion Ratio Lower Upper
104 100
78 50.5 38.6 58.0
103 54.5 44.1 66.1





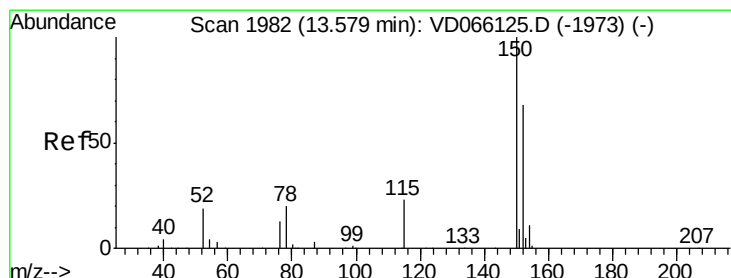
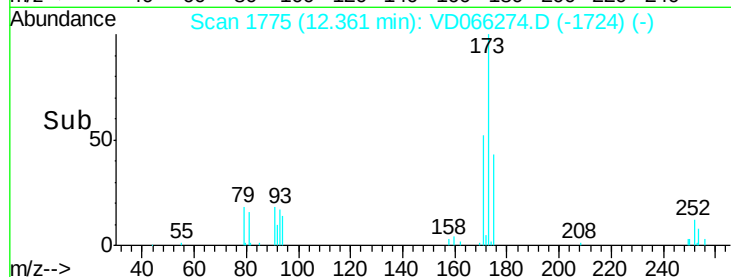
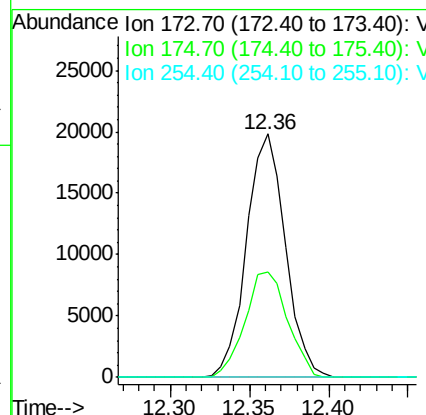
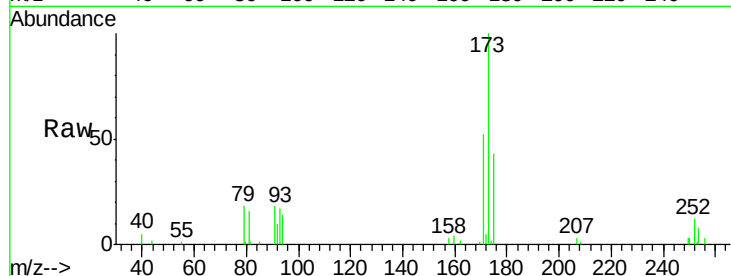
#71
Bromoform
Concen: 21.106 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.6	73.6
254	0.0	0.2	0.2

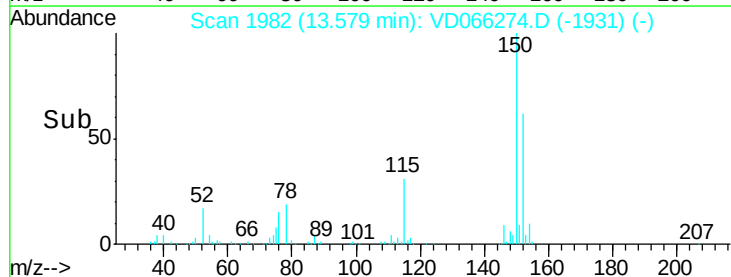
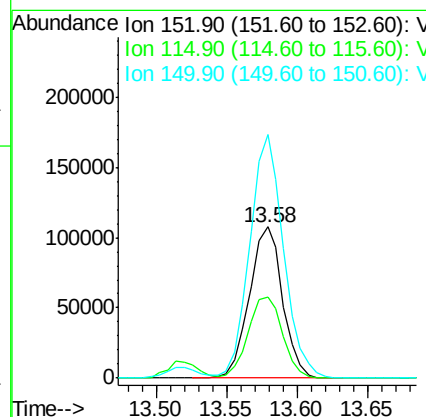
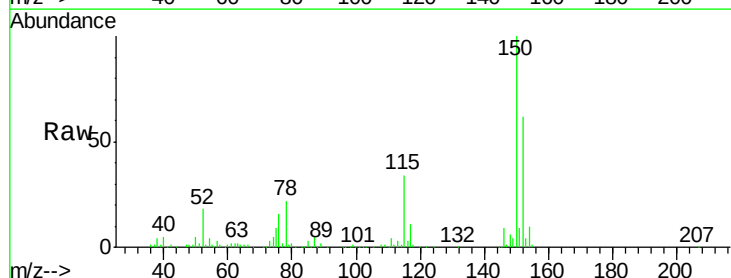
Manual Integrations
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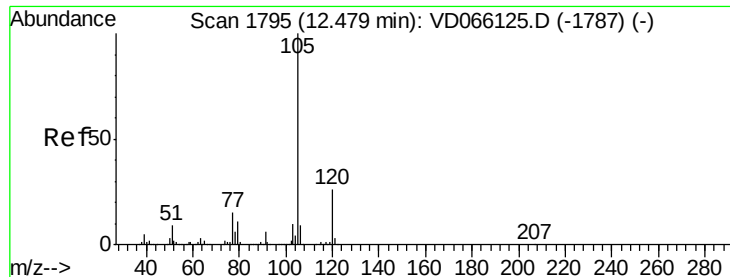
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.0	83.9
150	163.5	0.0	346.4





#73

Isopropylbenzene

Concen: 20.659 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 105 Resp: 245049

Ion Ratio Lower Upper

105 100

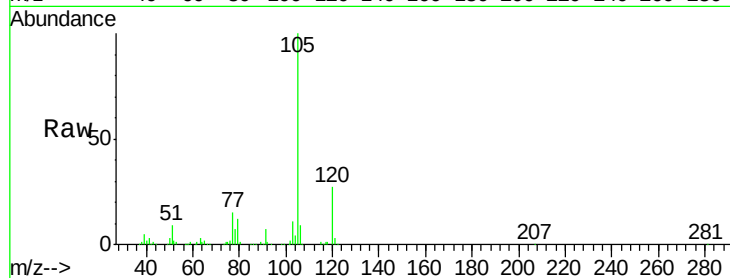
120 28.1 13.3 39.9

Manual Integrations

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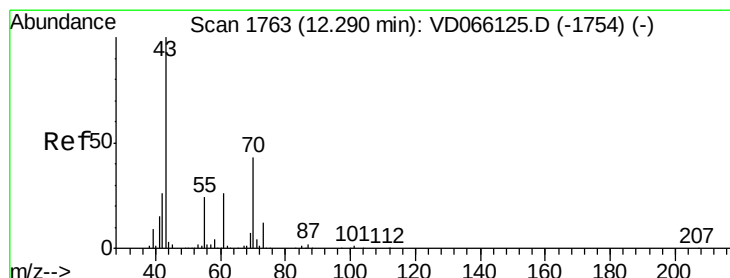
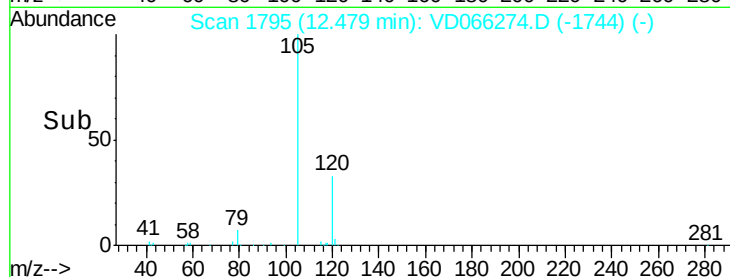
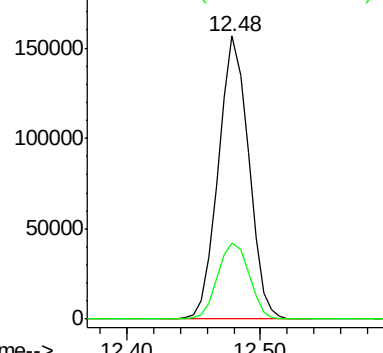
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.418 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Tgt Ion: 43 Resp: 48107

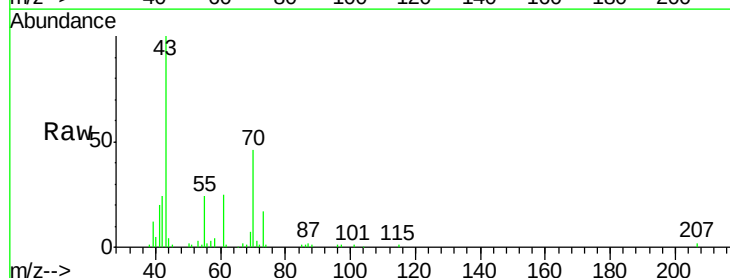
Ion Ratio Lower Upper

43 100

70 44.9 34.9 52.3

55 24.7 19.2 28.8

61 24.2 19.7 29.5

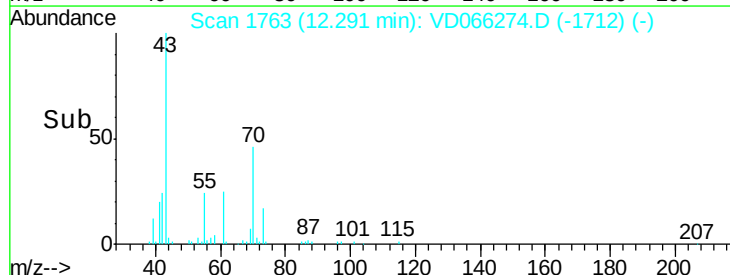
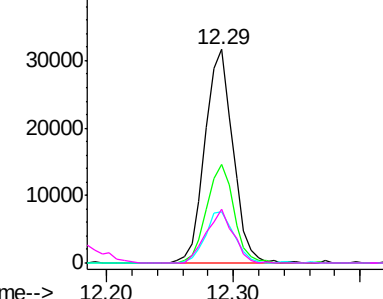


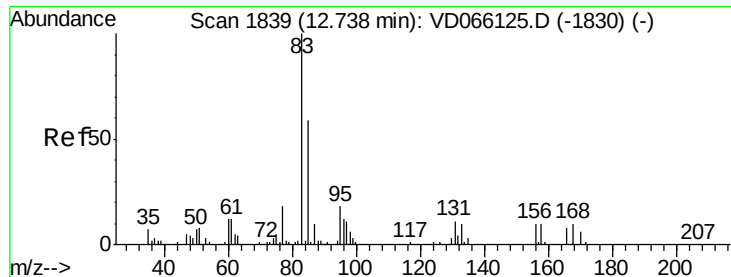
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.089 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

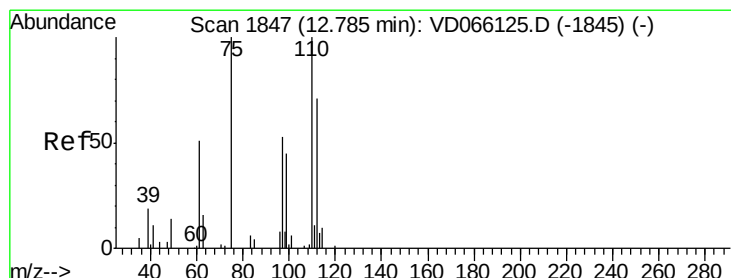
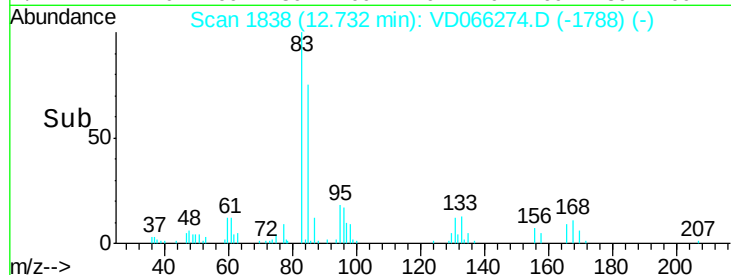
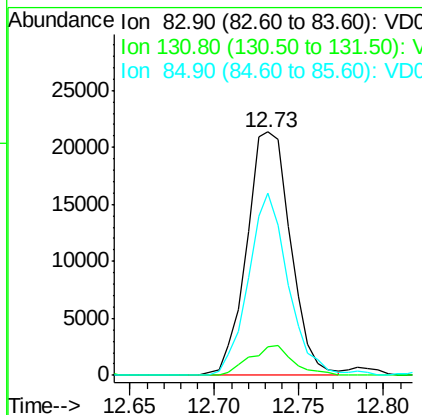
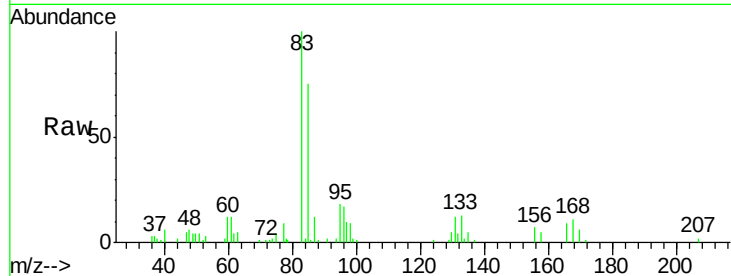
ClientSampleId :

VD0818SBSD01

Tot Ion:	83	Resp:	38609
Ion	Ratio	Lower	Upper
83	100		
131	12.1	6.2	18.6
85	68.7	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 21.525 ug/l m

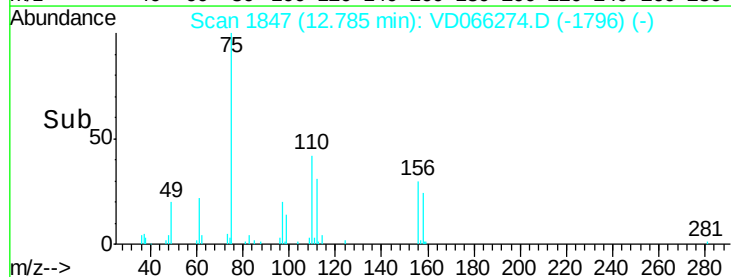
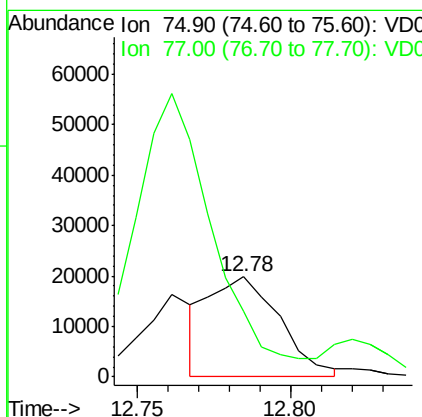
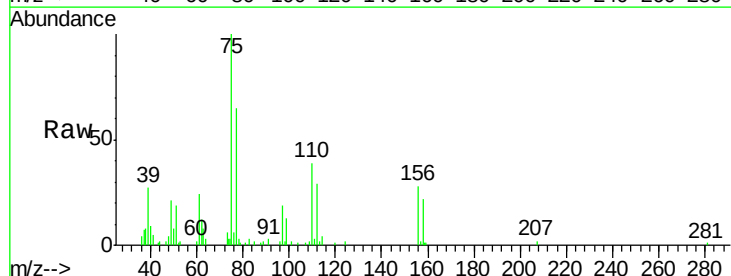
RT: 12.78 min Scan# 1847

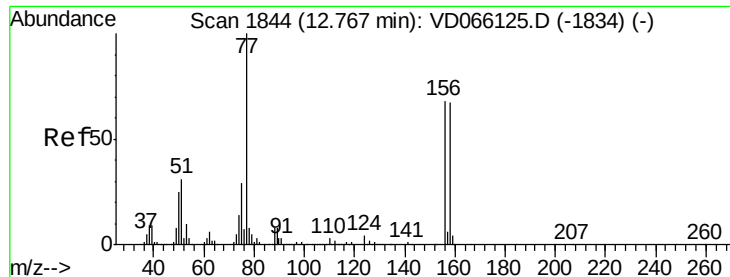
Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Tgt Ion:	75	Resp:	31896
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.298 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion:156 Resp: 61978

Ion Ratio Lower Upper

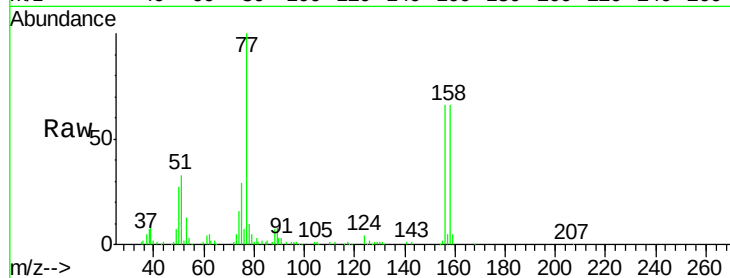
156 100

77 164.2 81.0 243.1

158 102.8 48.8 146.3

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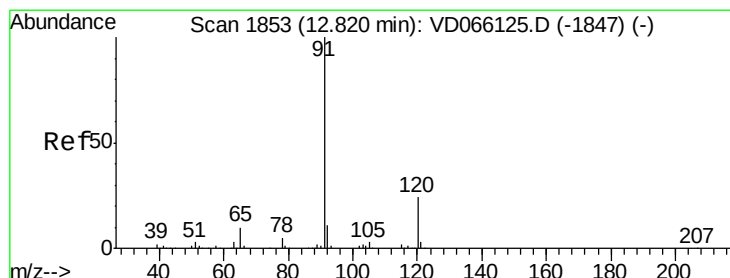
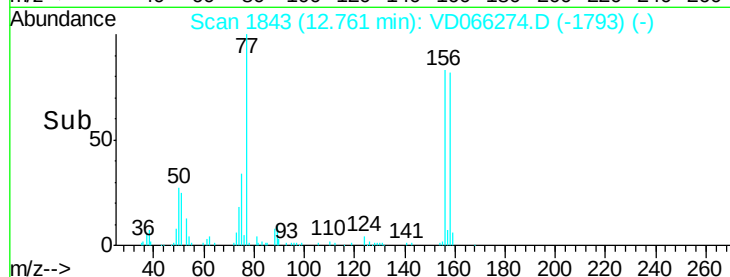
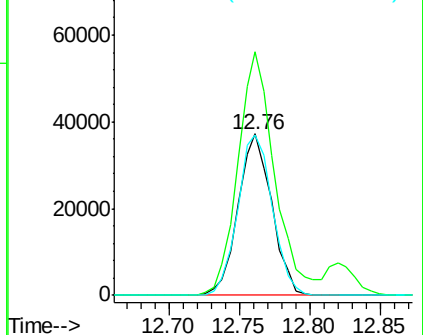
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.343 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066274.D

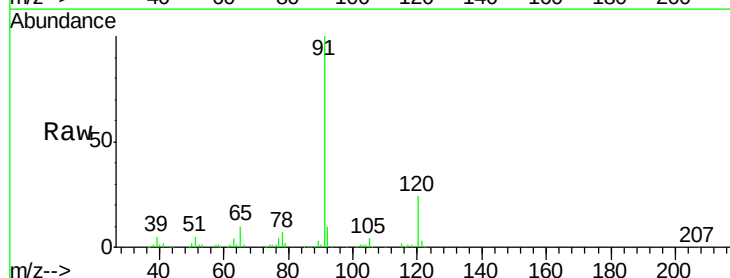
Acq: 18 Aug 2020 13:32

Tgt Ion: 91 Resp: 294282

Ion Ratio Lower Upper

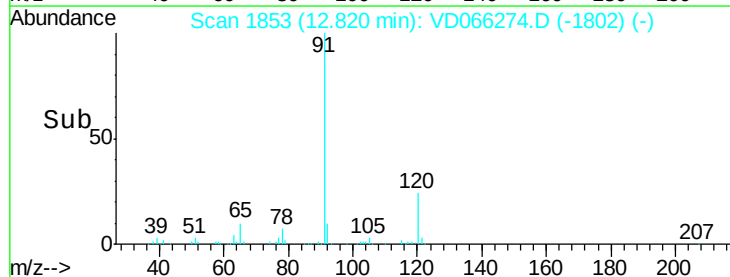
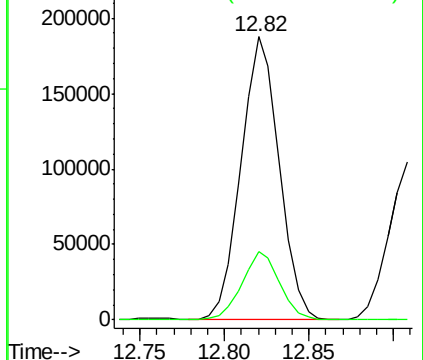
91 100

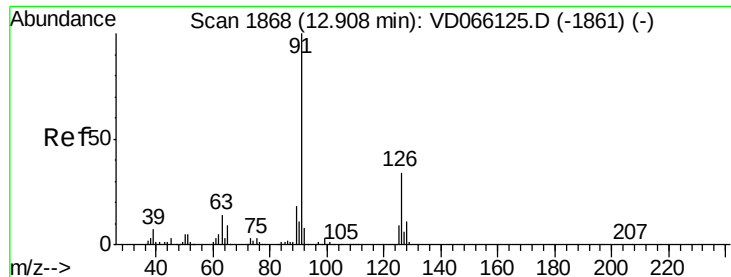
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





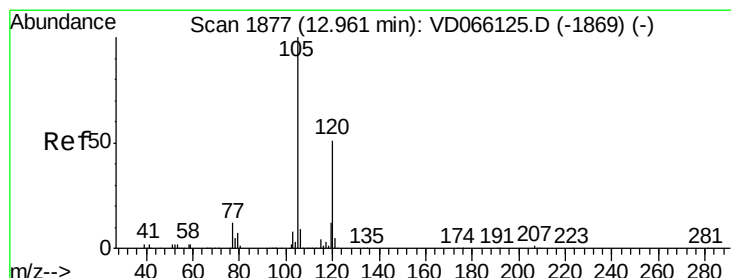
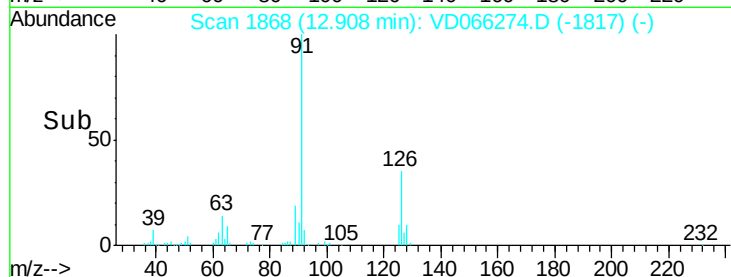
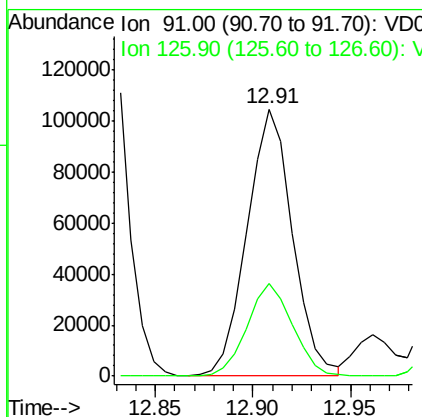
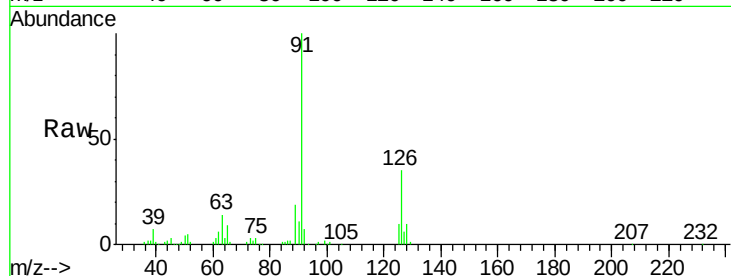
#79
2-Chlorotoluene
Concen: 21.344 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.5	52.6

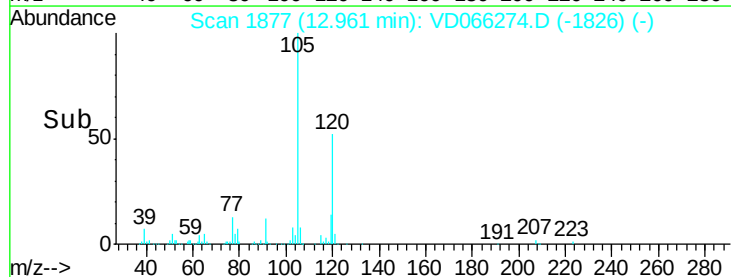
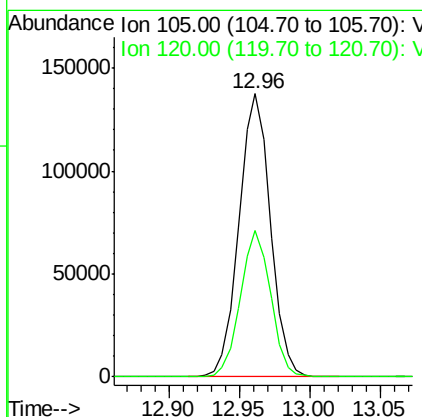
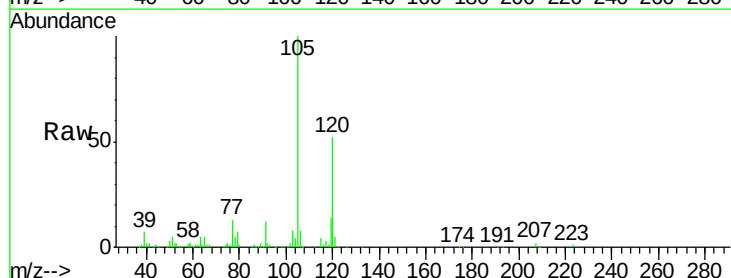
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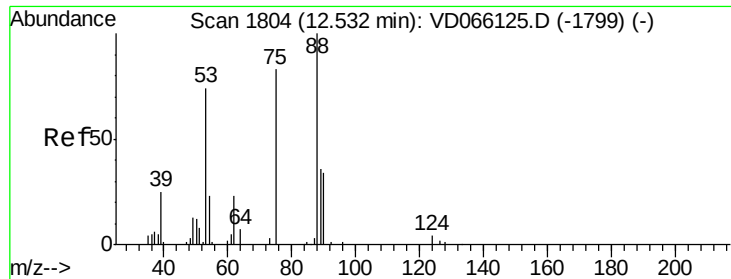
MMDadoda
8/19/2020 5:23:09 PM



#80
1,3,5-Trimethylbenzene
Concen: 21.575 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.0	25.3	75.8





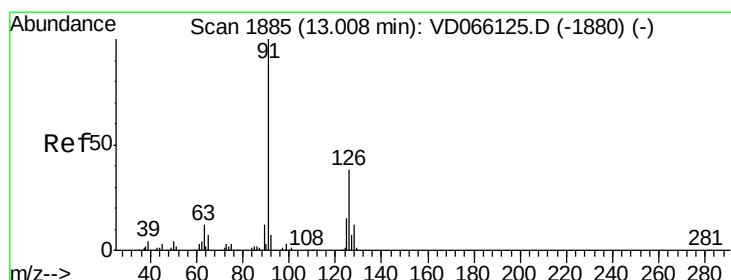
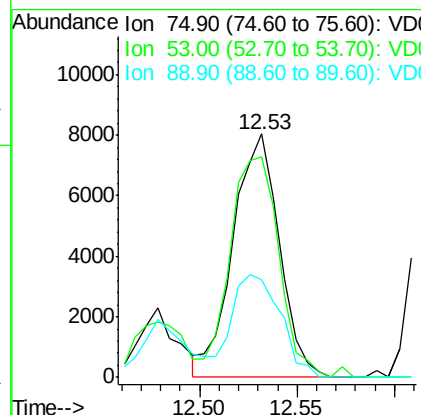
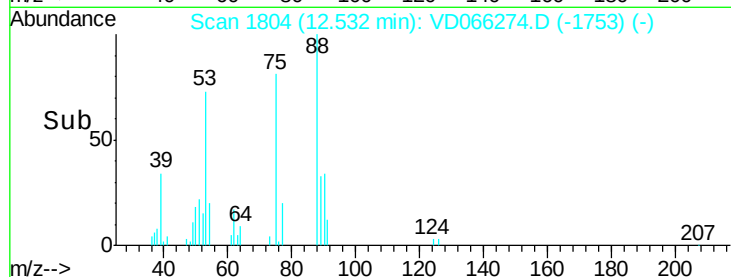
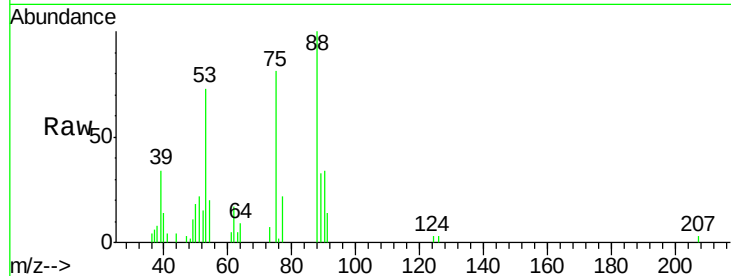
#81
trans-1,4-Dichloro-2-butene
Concen: 19.711 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.6	73.4	110.2
89	43.7	36.6	55.0

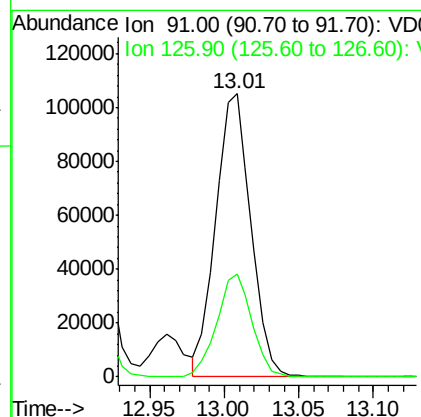
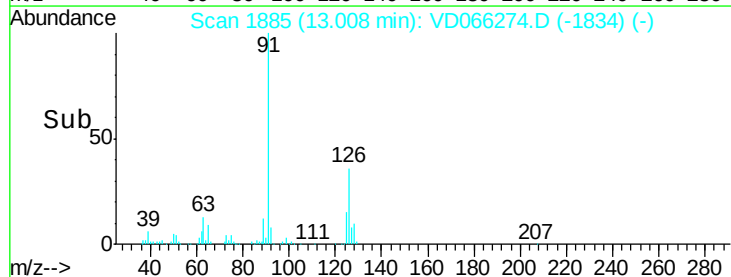
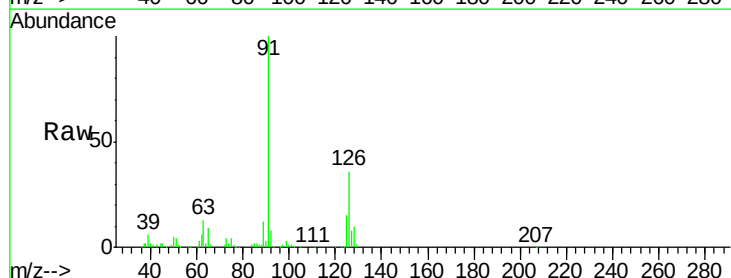
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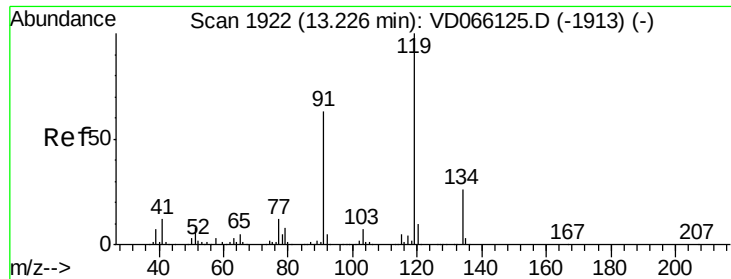
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.755 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.8	53.3





#83

tert-Butylbenzene

Concen: 20.540 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

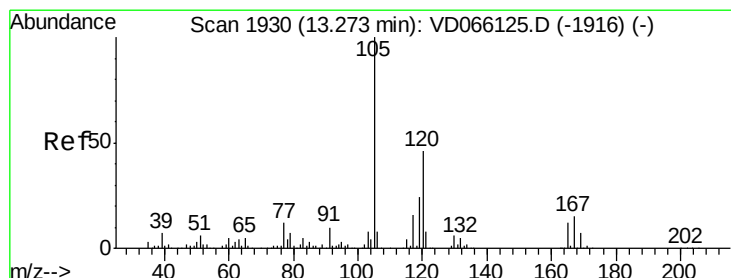
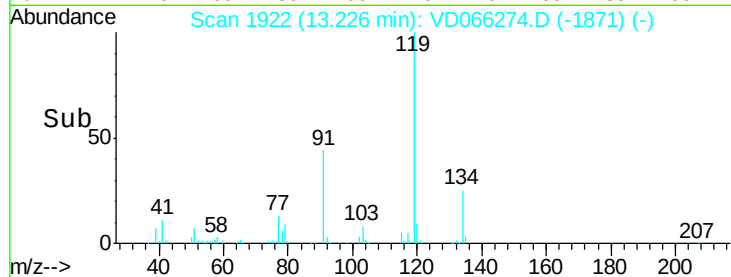
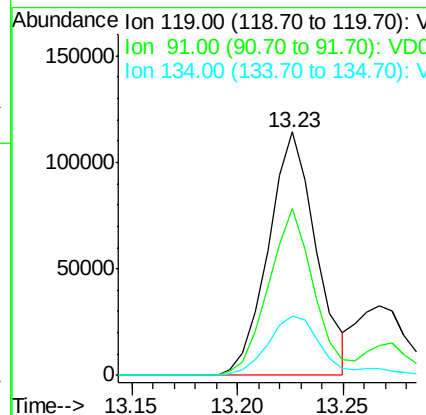
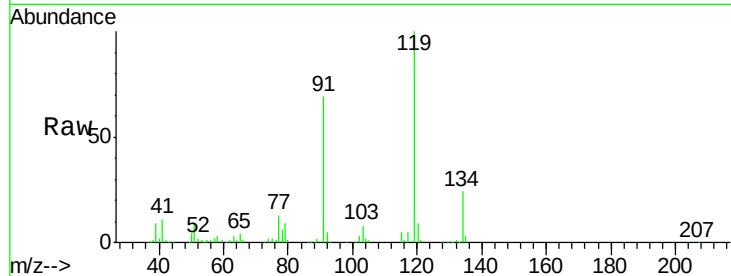
ClientSampleId :

VD0818SBS01

Tot Ion:	119	Resp:	179193
Ion Ratio	Lower	Upper	
119	100		
91	65.9	30.8	92.4
134	28.5	13.6	40.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.217 ug/l

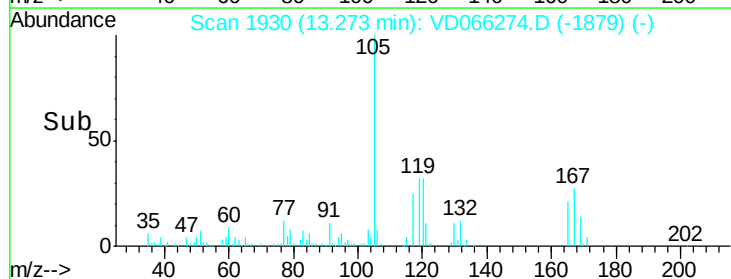
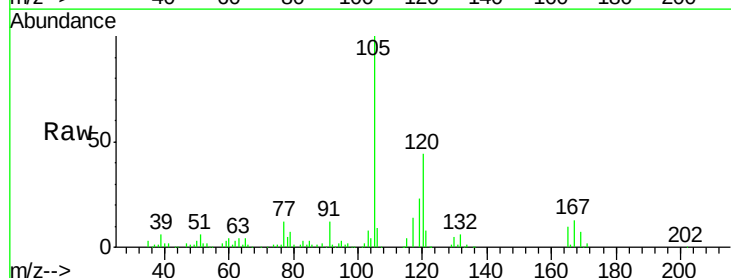
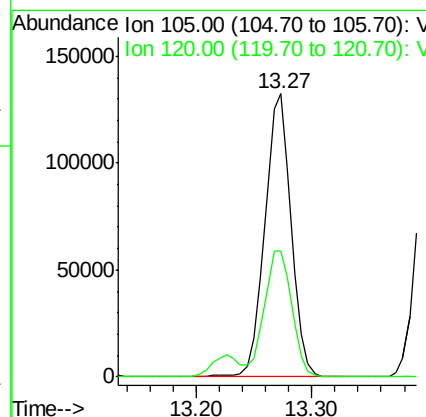
RT: 13.27 min Scan# 1930

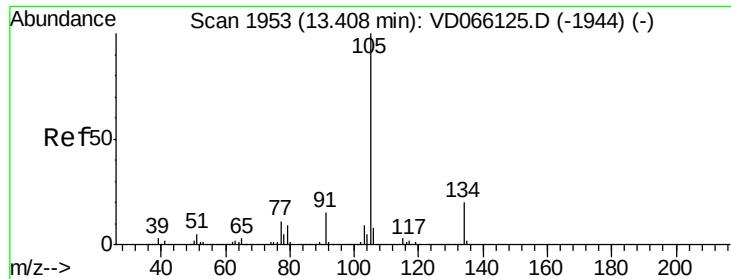
Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Tgt Ion:	105	Resp:	210631
Ion Ratio	Lower	Upper	
105	100		
120	46.4	23.1	69.2





#85

sec-Butylbenzene

Concen: 21.459 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion:105 Resp: 252750

Ion Ratio Lower Upper

105 100

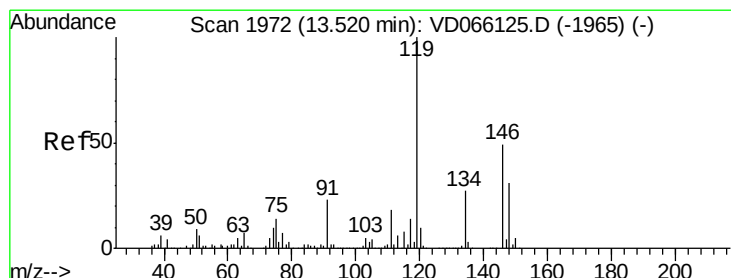
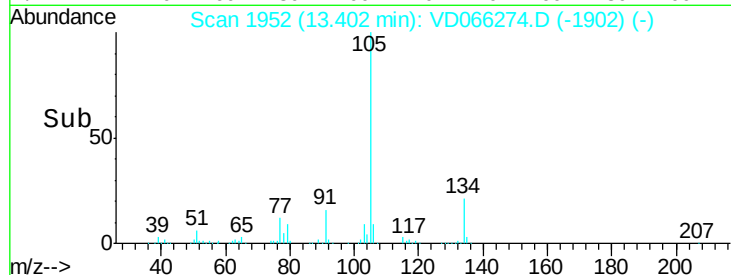
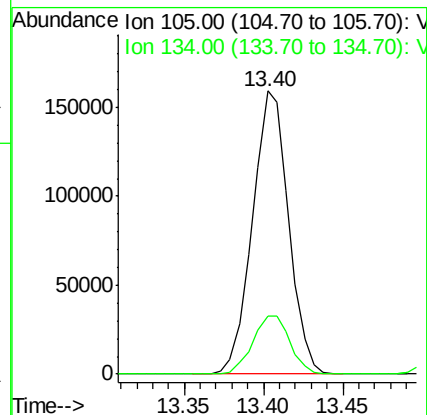
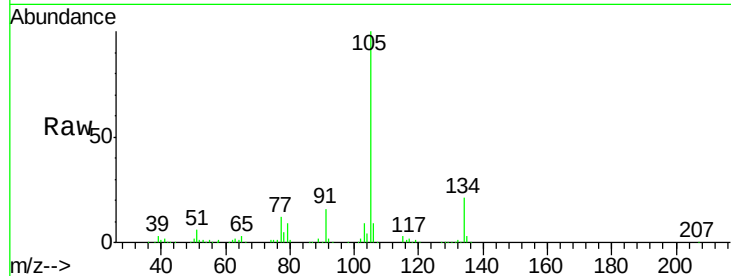
134 21.2 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 21.816 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

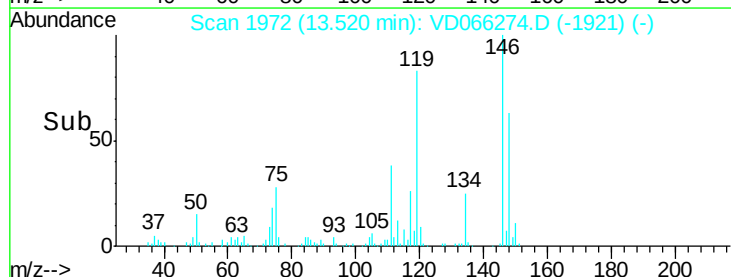
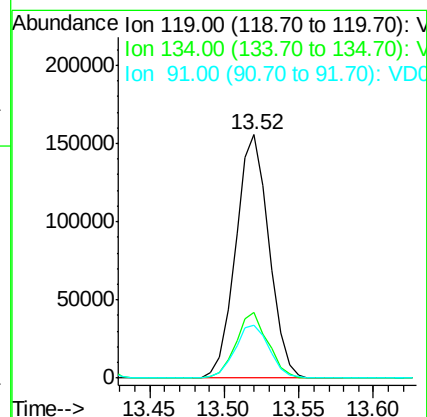
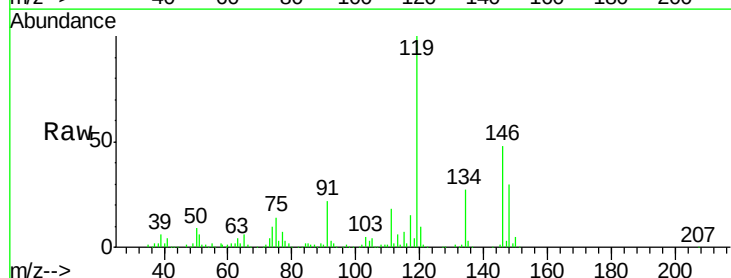
Tgt Ion:119 Resp: 241001

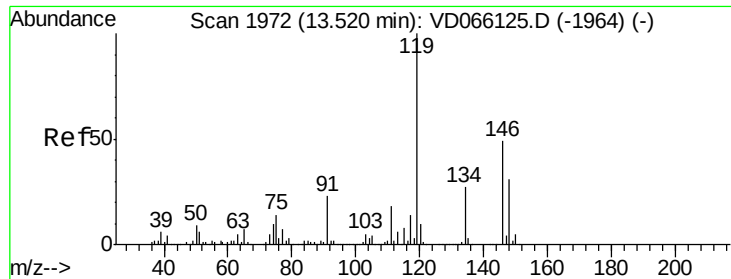
Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.4

91 22.8 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.674 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

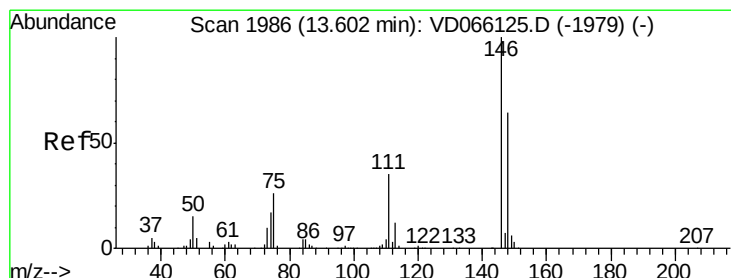
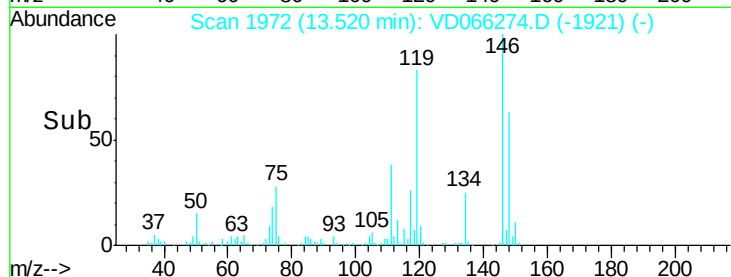
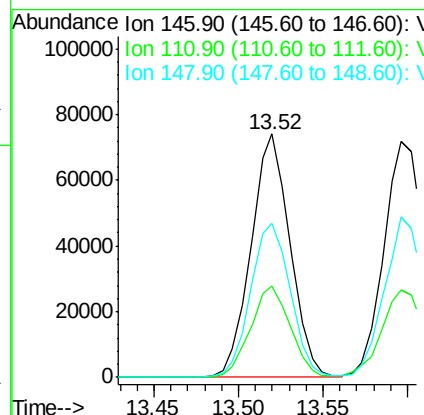
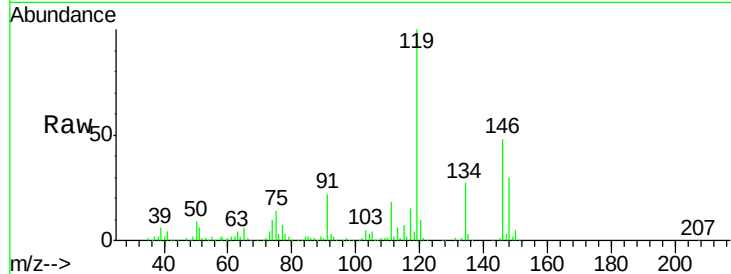
Instrument :
MSVOA_D

ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118645		
111	38.3	18.9	56.9	
148	64.7	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 20.850 ug/l

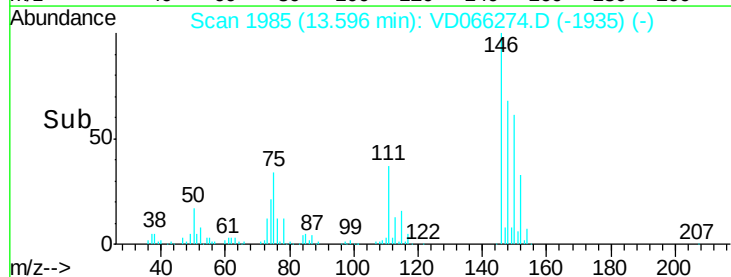
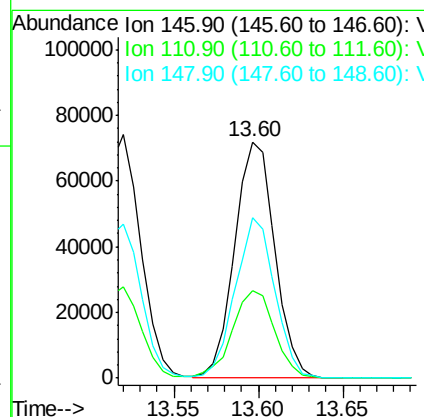
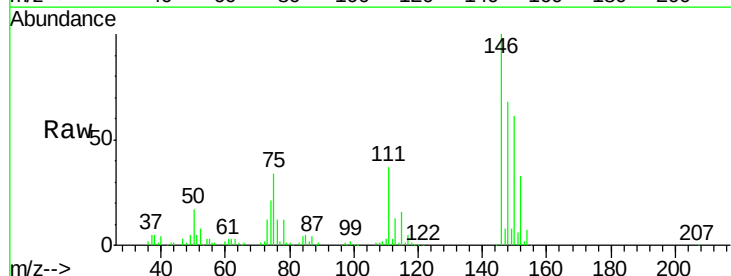
RT: 13.60 min Scan# 1985

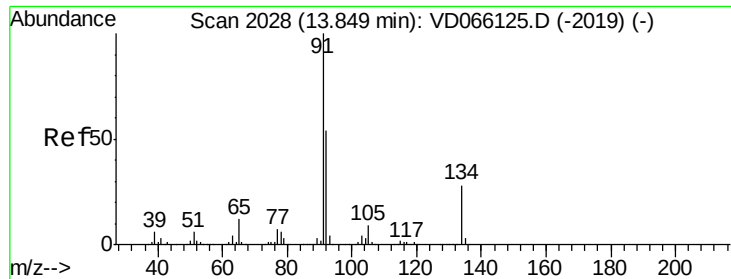
Delta R.T. -0.01 min

Lab File: VD066274.D

Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119329		
111	38.9	18.6	55.8	
148	66.8	32.4	97.0	





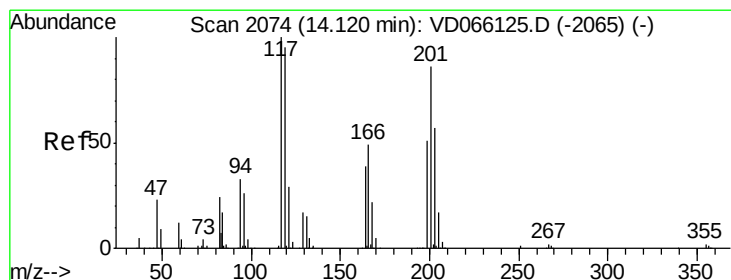
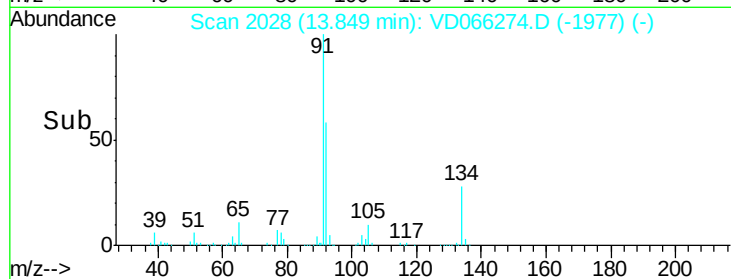
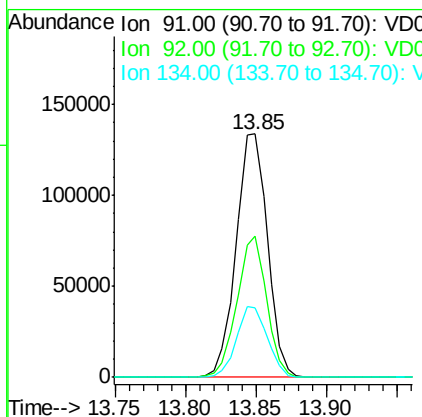
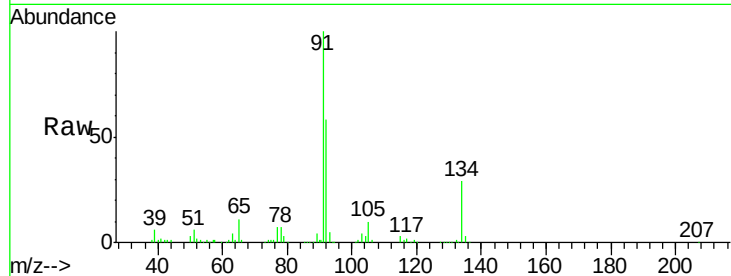
#89
n-Butylbenzene
Concen: 21.069 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	208534		
92	54.8		26.8	80.3
134	28.5		14.0	41.9

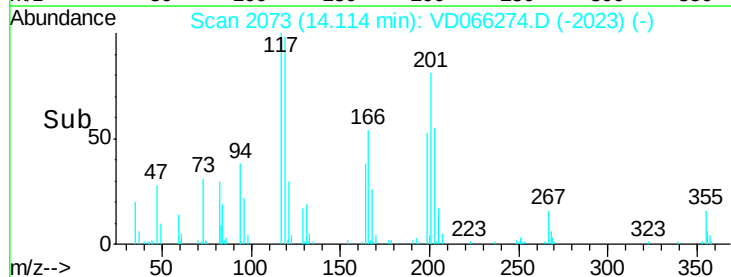
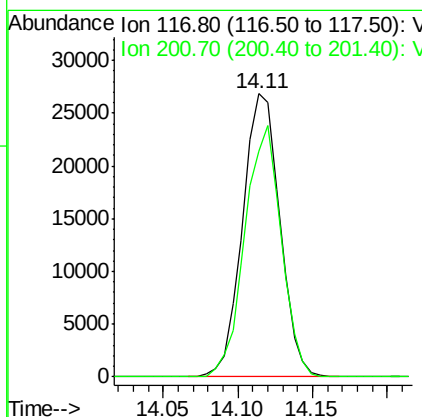
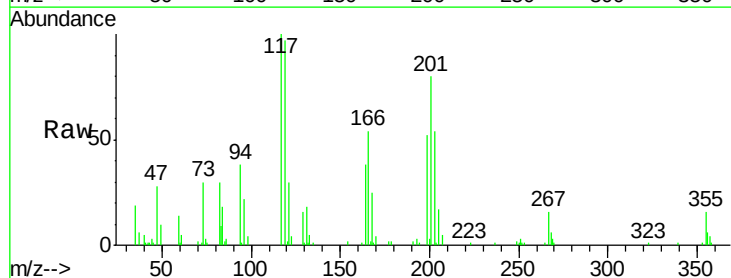
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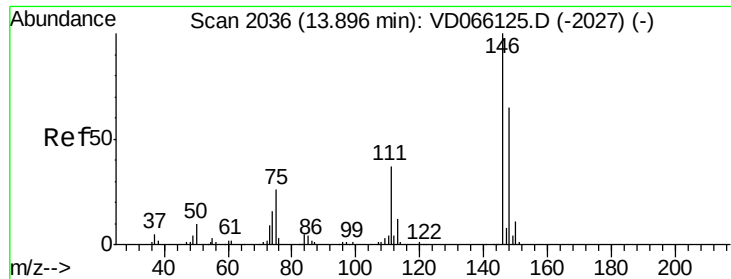
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#90
Hexachloroethane
Concen: 21.058 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46395		
201	86.5		42.7	128.1





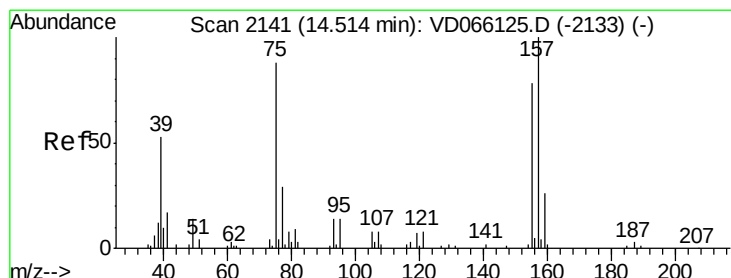
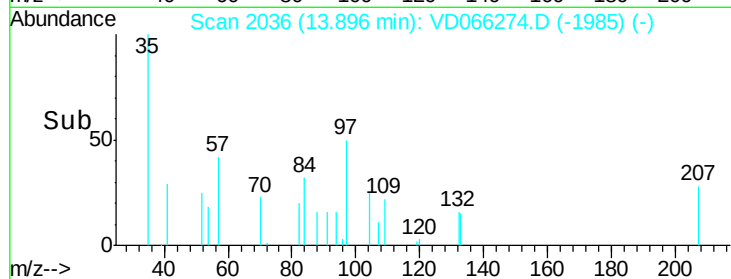
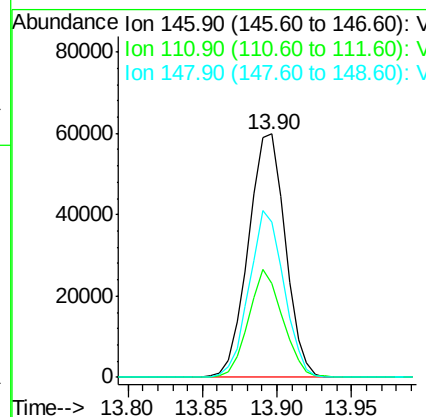
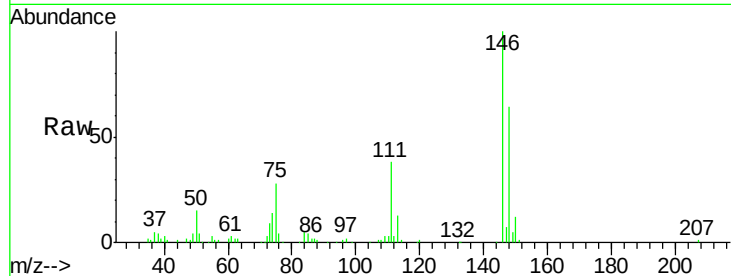
#91
 1,2-Dichlorobenzene
 Concen: 20.226 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.8	56.3
148	64.1	31.9	95.5

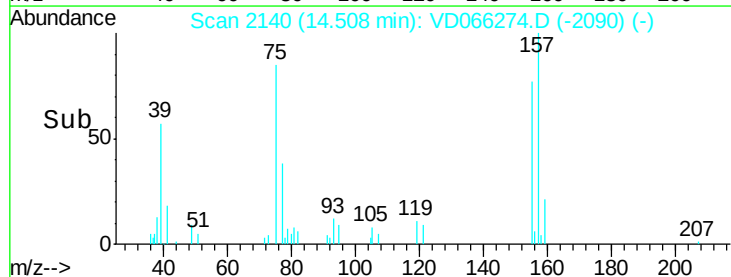
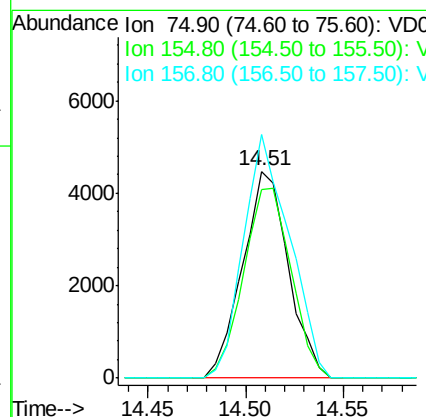
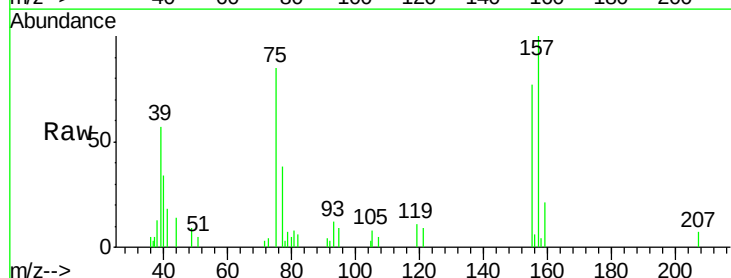
Manual Integrations
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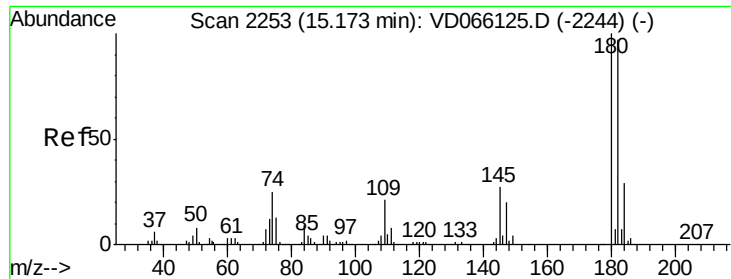
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.908 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066274.D
 Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	47.7	143.1
157	118.4	62.1	186.2





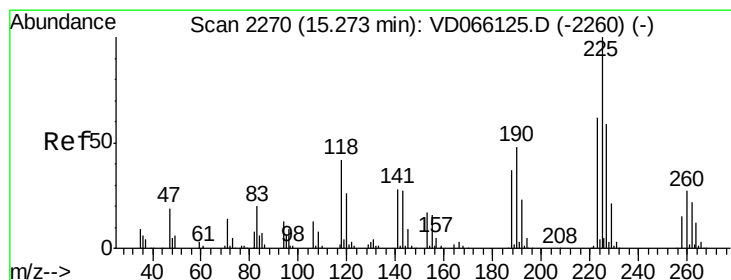
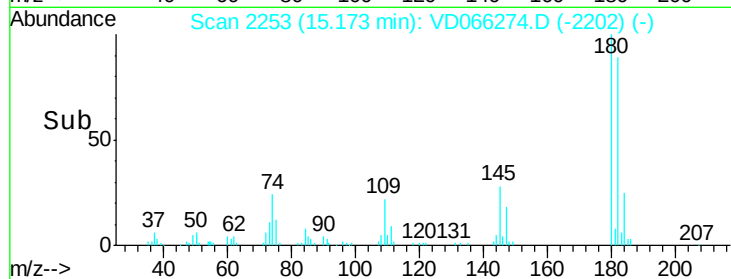
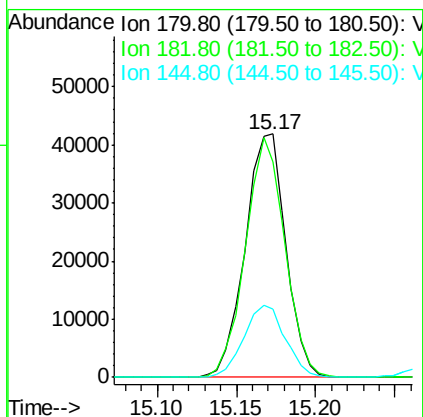
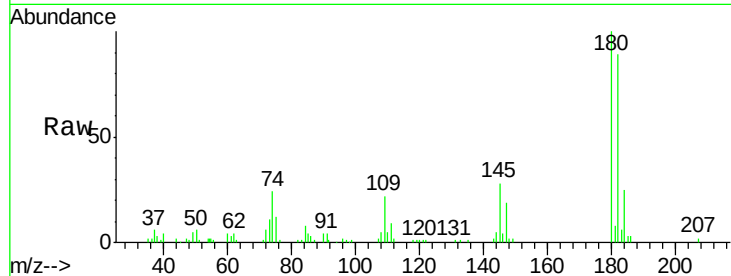
#93
1,2,4-Trichlorobenzene
Concen: 20.026 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.2
145	30.0	14.5	43.6

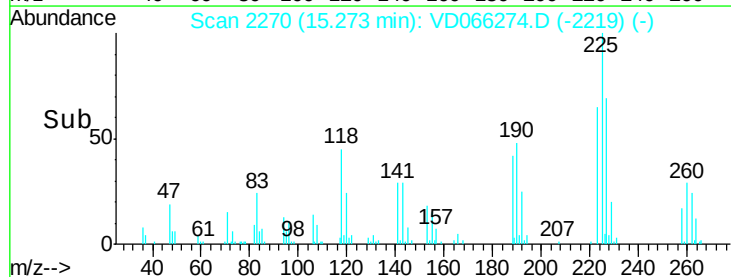
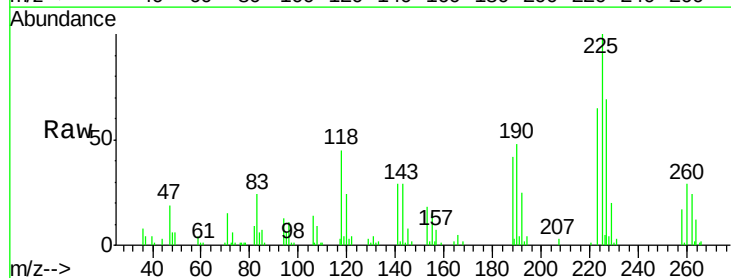
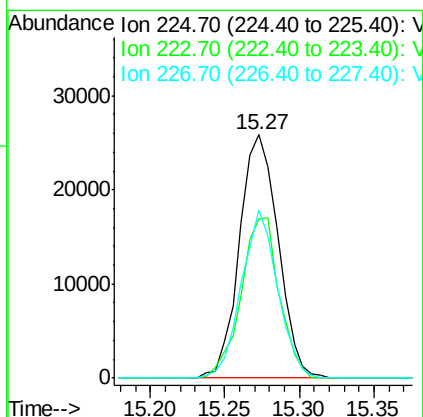
Manual Integrations
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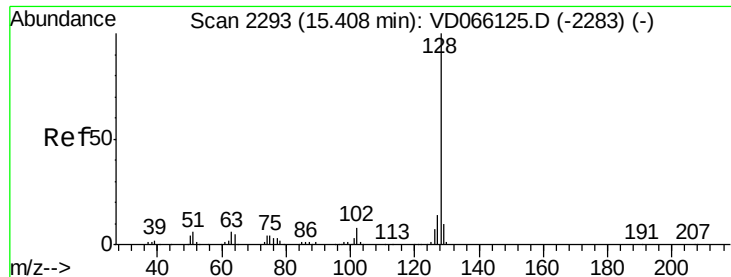
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#94
Hexachlorobutadiene
Concen: 21.072 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.3	96.9
227	64.8	32.1	96.5





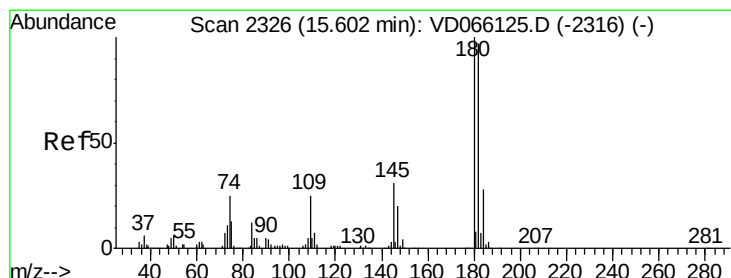
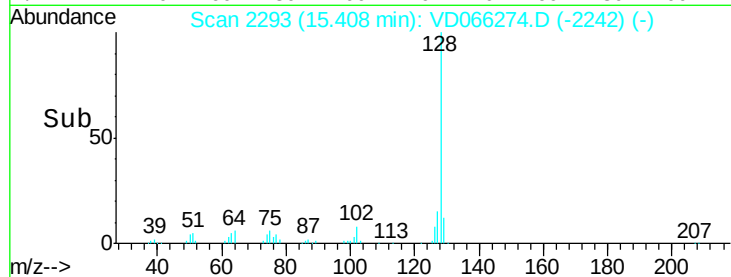
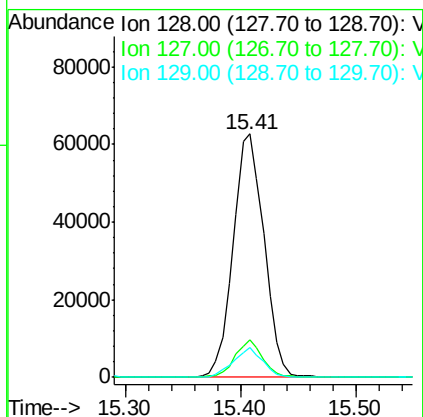
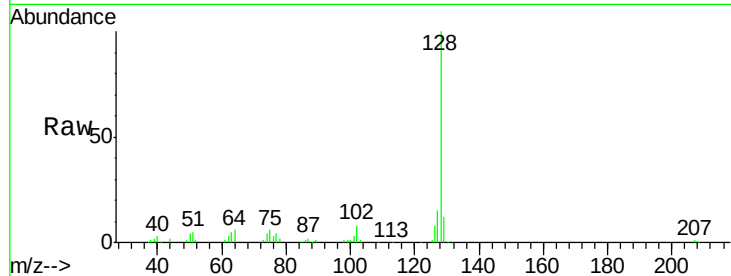
#95
Naphthalene
Concen: 19.097 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.4
129	11.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/19/2020 5:23:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.793 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066274.D
Acq: 18 Aug 2020 13:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.1	141.4
145	31.6	14.9	44.9

