

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081220\
 Data File : VD066202.D
 Acq On : 12 Aug 2020 14:14
 Operator : VA/SY
 Sample : VD0812SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2020 4:21:01 PM

Quant Time: Aug 12 16:12:10 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	290204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	409735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	389384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206979	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	137518	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
35) Dibromofluoromethane	7.91	113	138015	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	10.33	98	508846	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
62) 4-Bromofluorobenzene	12.63	95	183210	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	48216	18.858	ug/l	97
3) Chloromethane	2.20	50	31589	15.883	ug/l	90
4) Vinyl Chloride	2.34	62	29951	17.010	ug/l	93
5) Bromomethane	2.74	94	19123	16.369	ug/l	99
6) Chloroethane	2.91	64	17498	16.189	ug/l #	81
7) Trichlorofluoromethane	3.26	101	80327	17.498	ug/l	99
8) Diethyl Ether	3.70	74	20633	15.929	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	47637	17.485	ug/l	97
10) Methyl Iodide	4.29	142	39413	20.469	ug/l	96
11) Tert butyl alcohol	5.20	59	22644m	93.319	ug/l	
12) 1,1-Dichloroethene	4.06	96	43050	16.750	ug/l #	90
13) Acrolein	3.91	56	14596	70.826	ug/l	97
14) Allyl chloride	4.70	41	59290	15.228	ug/l	93
15) Acrylonitrile	5.42	53	49441	90.579	ug/l	99
16) Acetone	4.16	43	39732	80.879	ug/l #	83
17) Carbon Disulfide	4.40	76	128658	15.744	ug/l	97
18) Methyl Acetate	4.71	43	20888	16.740	ug/l	99
19) Methyl tert-butyl Ether	5.46	73	103439	17.559	ug/l	97
20) Methylene Chloride	4.96	84	56824	17.069	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	48903	16.564	ug/l	88
22) Diisopropyl ether	6.36	45	134941	17.526	ug/l #	98
23) Vinyl Acetate	6.30	43	392236	86.955	ug/l	98
24) 1,1-Dichloroethane	6.26	63	83550	17.534	ug/l	96
25) 2-Butanone	7.20	43	64230	88.894	ug/l	92
26) 2,2-Dichloropropane	7.20	77	79009	18.500	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	55298	17.857	ug/l	98
28) Bromochloromethane	7.54	49	35175	21.018	ug/l	100
29) Tetrahydrofuran	7.56	42	38436	85.859	ug/l	98
30) Chloroform	7.70	83	90200	18.028	ug/l	98
31) Cyclohexane	7.97	56	76689	16.907	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	86786	18.499	ug/l	98
36) 1,1-Dichloropropene	8.10	75	70428	18.292	ug/l	99
37) Ethyl Acetate	7.28	43	26511	17.378	ug/l #	80
38) Carbon Tetrachloride	8.08	117	82333	19.176	ug/l	92

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Manual Integrations
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MMDadoda
 8/13/2020 4:21:01 PM

Quant Time: Aug 12 16:12:10 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	81427	17.495	ug/l	98
40) Benzene	8.34	78	193013	18.071	ug/l	99
41) Methacrylonitrile	7.53	41	17399m	19.398	ug/l	
42) 1,2-Dichloroethane	8.42	62	60000	19.122	ug/l	99
43) Isopropyl Acetate	8.44	43	54313	18.070	ug/l	99
44) Trichloroethene	9.11	130	60496	18.796	ug/l	97
45) 1,2-Dichloropropane	9.38	63	47044	18.009	ug/l #	88
46) Dibromomethane	9.47	93	26582	18.474	ug/l	95
47) Bromodichloromethane	9.66	83	69034	18.152	ug/l	94
48) Methyl methacrylate	9.45	41	26783	17.451	ug/l	96
49) 1,4-Dioxane	9.46	88	6578	355.830	ug/l #	90
51) 4-Methyl-2-Pentanone	10.22	43	138965	90.008	ug/l	98
52) Toluene	10.40	92	129964	18.492	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	67898	18.813	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	79007	18.684	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	37815	18.251	ug/l	95
56) Ethyl methacrylate	10.66	69	45797	18.400	ug/l	96
57) 1,3-Dichloropropane	10.94	76	63511	18.464	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	121564	108.578	ug/l	100
59) 2-Hexanone	10.98	43	97237	89.739	ug/l	98
60) Dibromochloromethane	11.13	129	54197	18.947	ug/l	100
61) 1,2-Dibromoethane	11.24	107	37647	18.893	ug/l	100
64) Tetrachloroethene	10.87	164	54215	18.132	ug/l	95
65) Chlorobenzene	11.67	112	143744	18.185	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	57028	18.439	ug/l	99
67) Ethyl Benzene	11.74	91	247220	18.048	ug/l	100
68) m/p-Xylenes	11.85	106	194732	36.692	ug/l	98
69) o-Xylene	12.18	106	87355	18.094	ug/l	99
70) Styrene	12.19	104	155735	18.407	ug/l	100
71) Bromoform	12.36	173	34392	18.768	ug/l #	99
73) Isopropylbenzene	12.48	105	248120	17.958	ug/l	99
74) N-amyl acetate	12.28	43	52450	17.239	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	43343	18.397	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	26704m	15.471	ug/l	
77) Bromobenzene	12.76	156	65398	18.388	ug/l	95
78) n-propylbenzene	12.82	91	283716	17.665	ug/l	99
79) 2-Chlorotoluene	12.91	91	159961	17.414	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	212473	18.388	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14378	18.414	ug/l	93
82) 4-Chlorotoluene	13.01	91	176793	18.232	ug/l	99
83) tert-Butylbenzene	13.23	119	174771	17.199	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	210063	18.166	ug/l	99
85) sec-Butylbenzene	13.40	105	246739	17.985	ug/l	100
86) p-Isopropyltoluene	13.52	119	232816	18.093	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	120366	18.007	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	121666	18.251	ug/l	99
89) n-Butylbenzene	13.85	91	208214	18.060	ug/l	100
90) Hexachloroethane	14.11	117	46801	18.236	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	108437	18.343	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7079	17.483	ug/l	95

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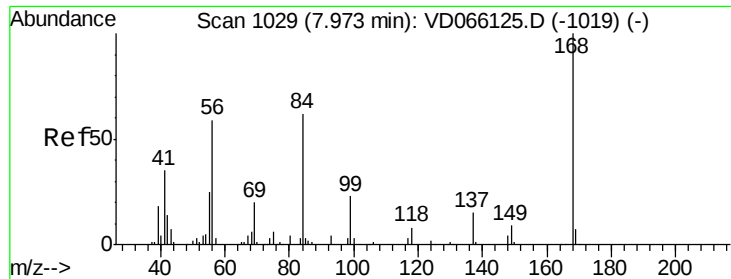
Manual Integrations
APPROVED

MMDadoda
8/13/2020 4:21:01 PM

Quant Time: Aug 12 16:12:10 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)
93) 1,2,4-Trichlorobenzene	15.17	180	77136	17.706	ug/l	99
94) Hexachlorobutadiene	15.27	225	45564	17.761	ug/l	97
95) Naphthalene	15.41	128	123761	17.435	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	67921	17.661	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: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion:168 Resp: 290204

Ion Ratio Lower Upper

168 100

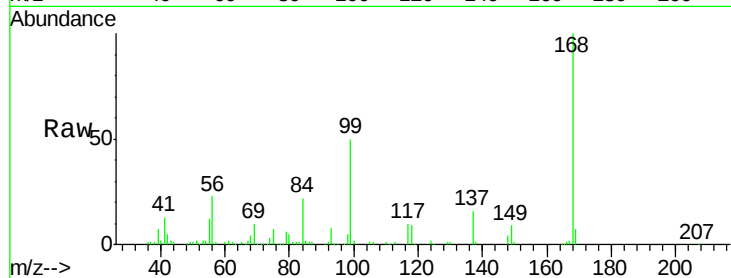
99 50.0 42.2 63.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

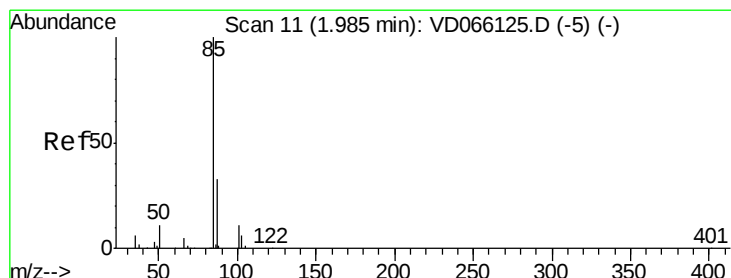
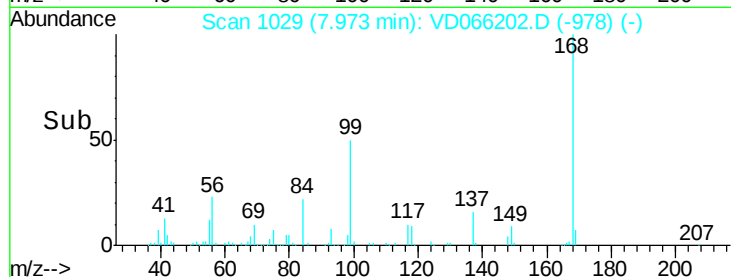
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.858 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066202.D

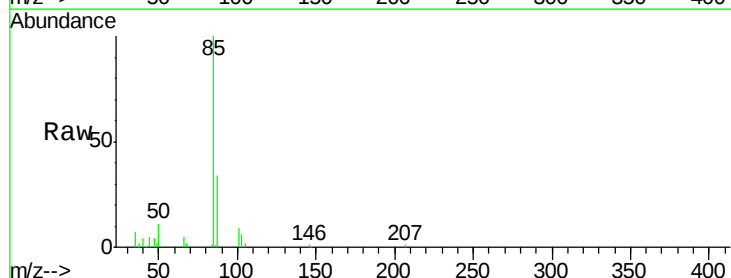
Acq: 12 Aug 2020 14:14

Tgt Ion: 85 Resp: 48216

Ion Ratio Lower Upper

85 100

87 33.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

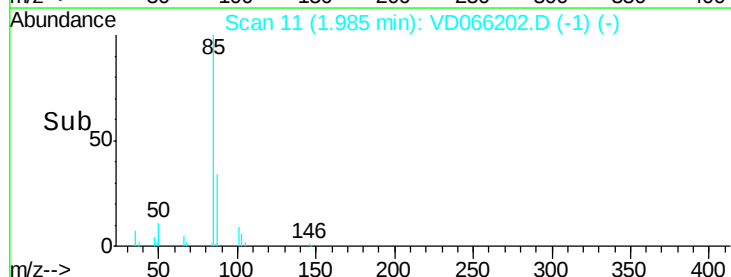
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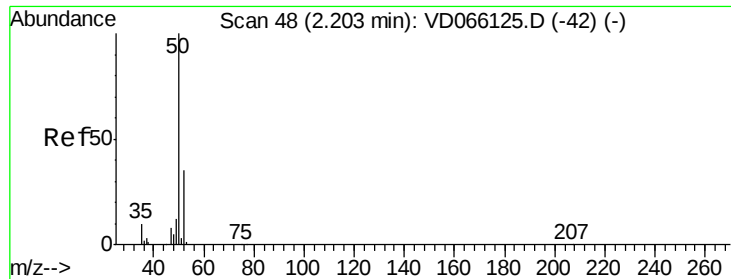
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 15.883 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion: 50 Resp: 31589

Ion Ratio Lower Upper

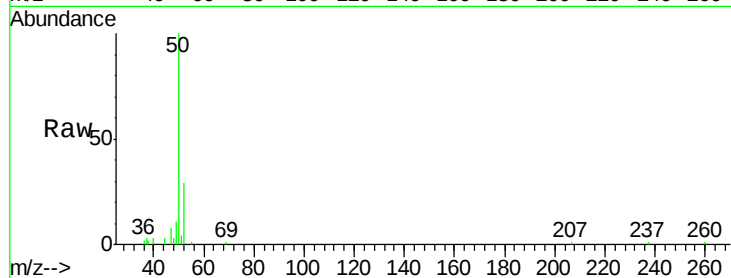
50 100

52 29.0 27.9 41.9

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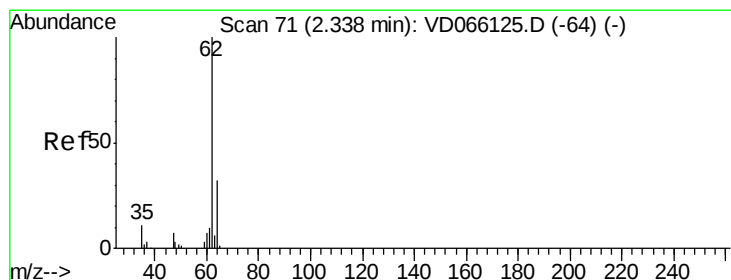
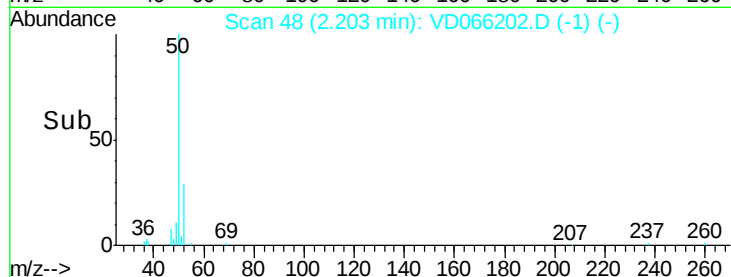
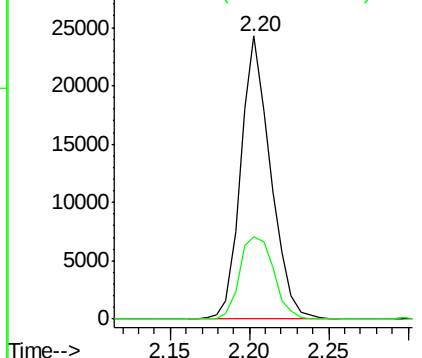
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.010 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066202.D

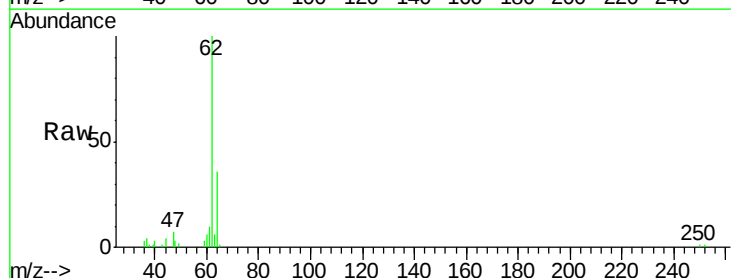
Acq: 12 Aug 2020 14:14

Tgt Ion: 62 Resp: 29951

Ion Ratio Lower Upper

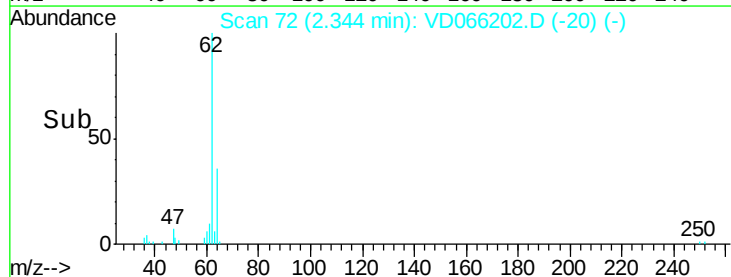
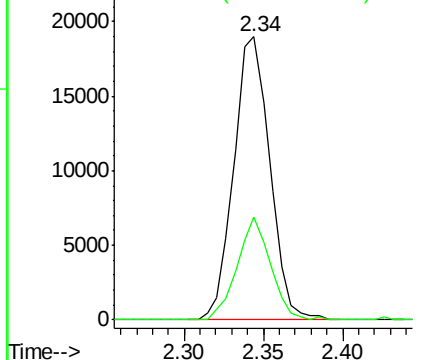
62 100

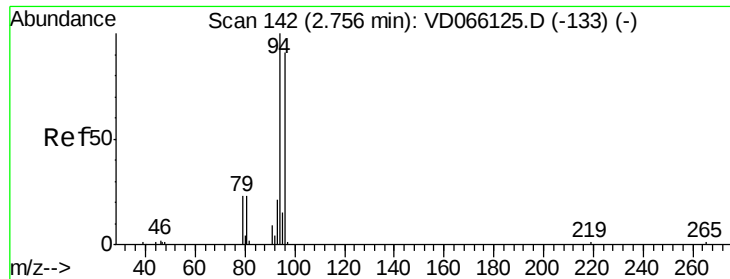
64 36.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 16.369 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion: 94 Resp: 19123

Ion Ratio Lower Upper

94 100

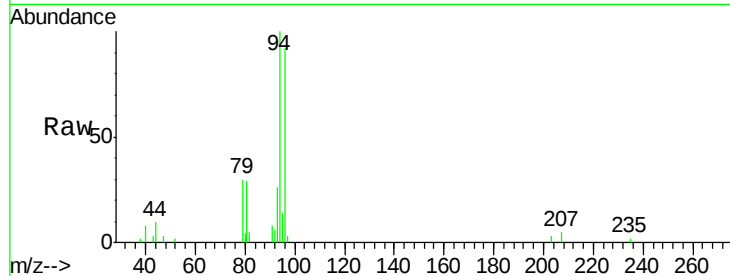
96 92.2 72.6 109.0

Manual Integrations

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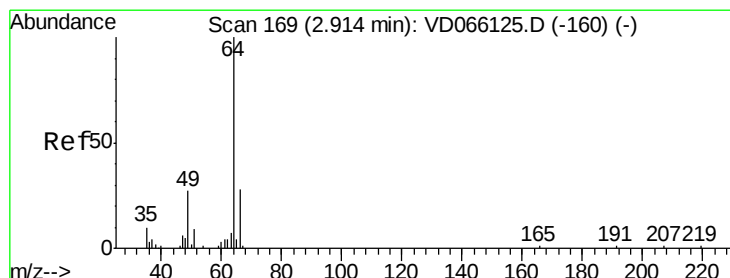
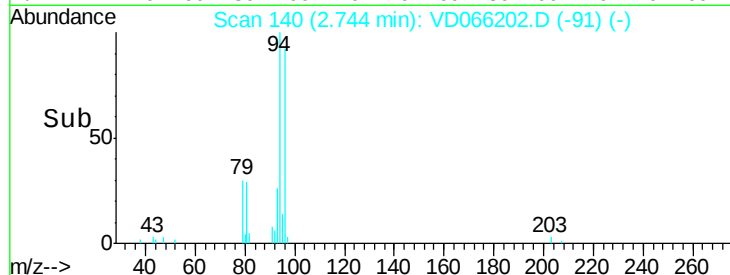
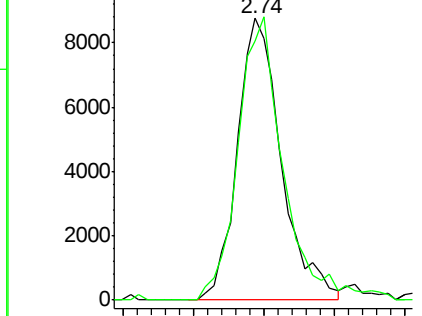
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.189 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD066202.D

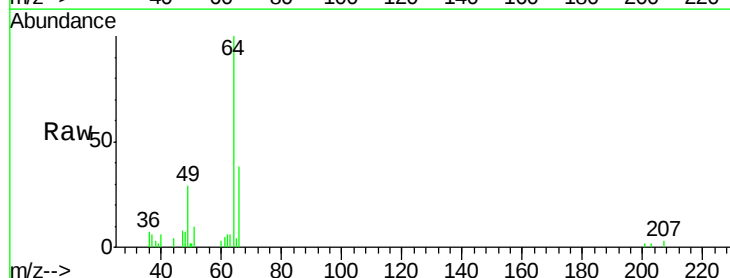
Acq: 12 Aug 2020 14:14

Tgt Ion: 64 Resp: 17498

Ion Ratio Lower Upper

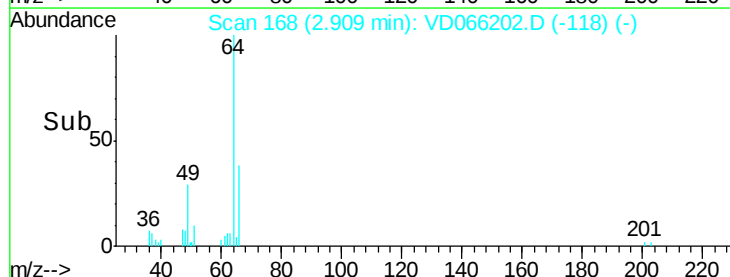
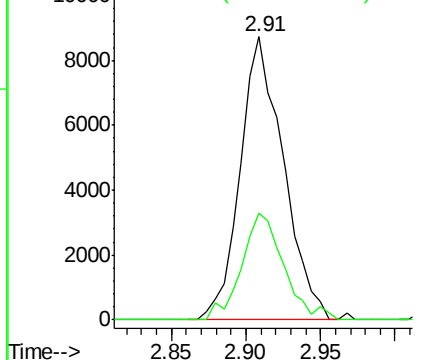
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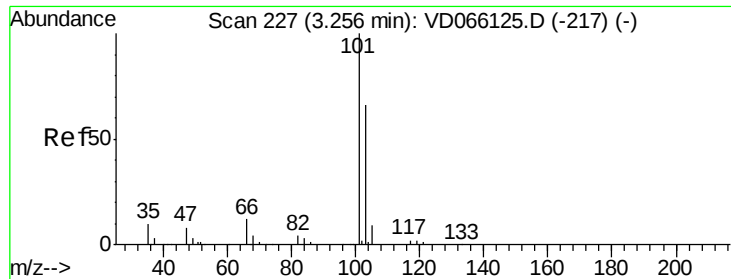
66 37.6 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

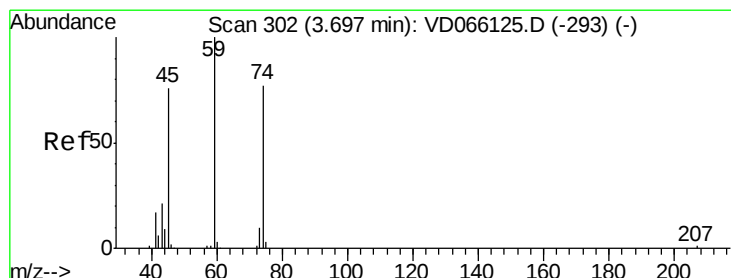
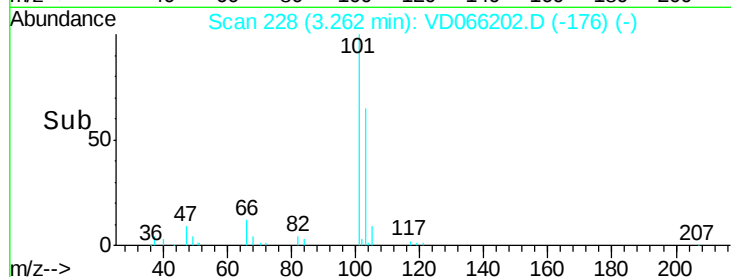
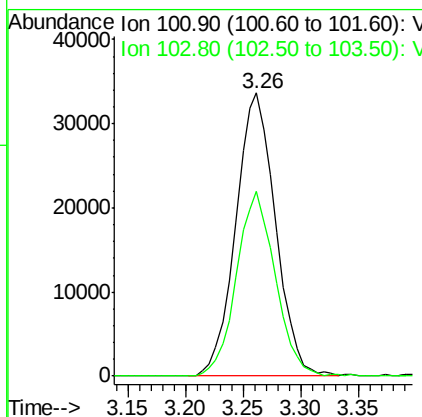
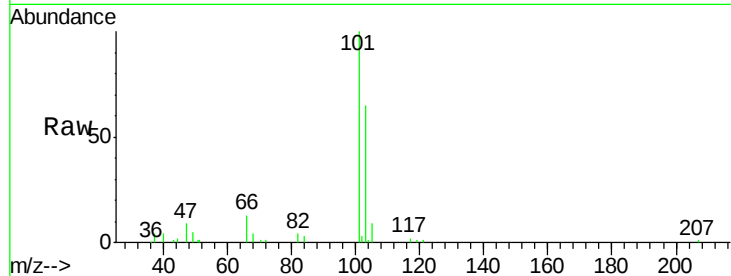
Trichlorofluoromethane
 Concen: 17.498 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. 0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Instrument :
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 VD0812SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	53.0	79.6

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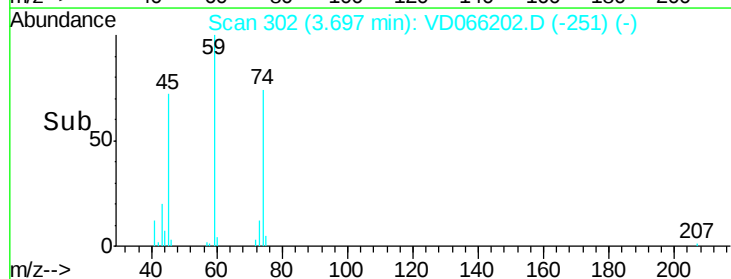
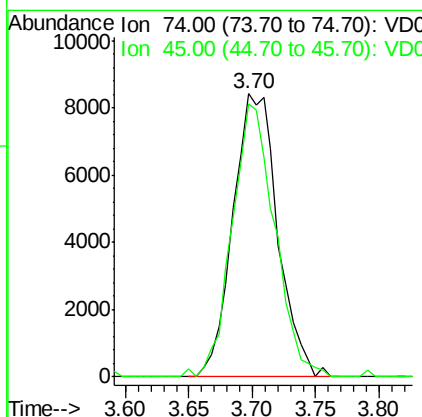
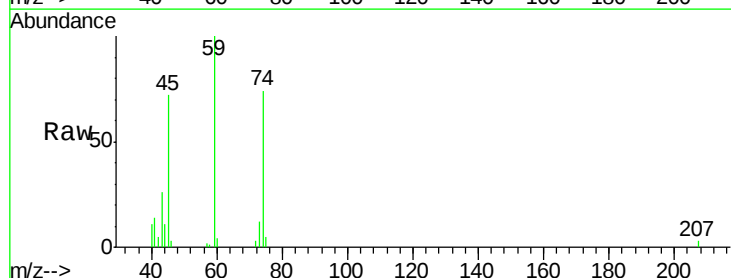
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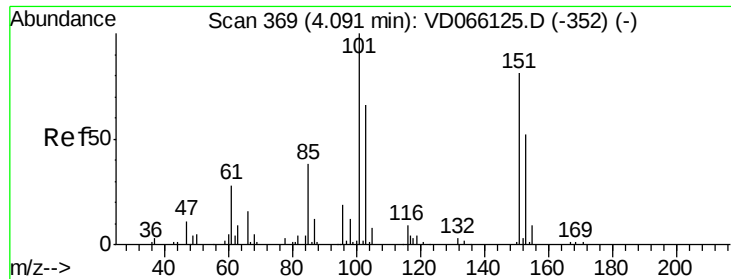


#8

Diethyl Ether
 Concen: 15.929 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.485 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

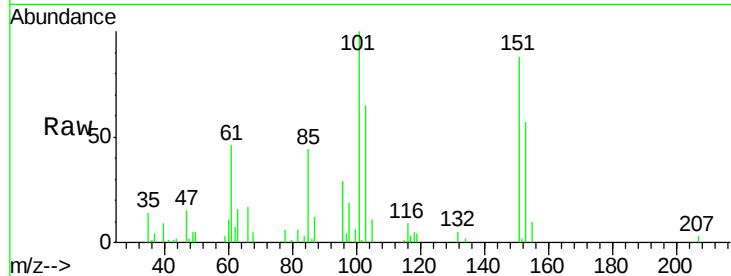
ClientSampleId :

VD0812SBS01

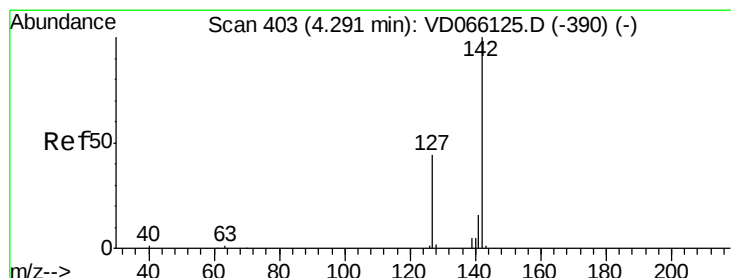
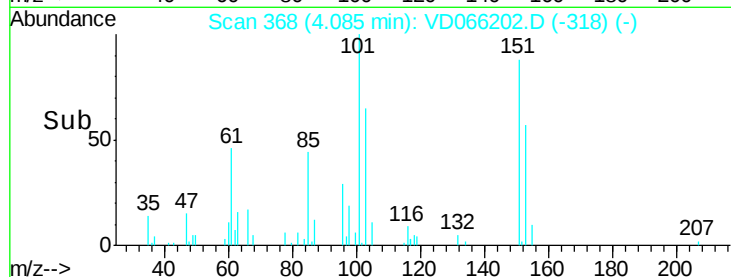
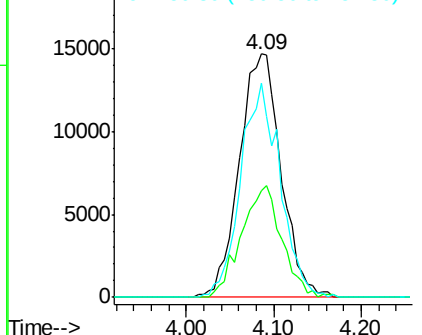
Tot Ion:	101	Resp:	47637
Ion Ratio	Lower	Upper	
101	100		
85	44.3	33.5	50.3
151	82.8	67.8	101.8

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



#10

Methyl Iodide

Concen: 20.469 ug/l

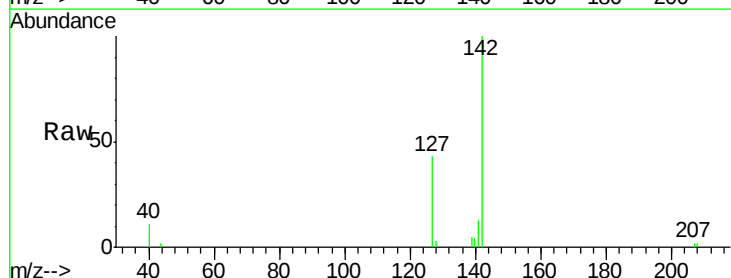
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

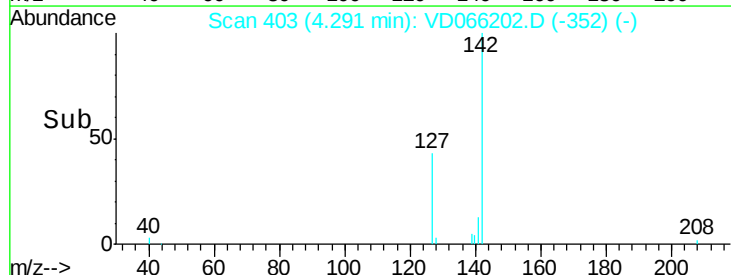
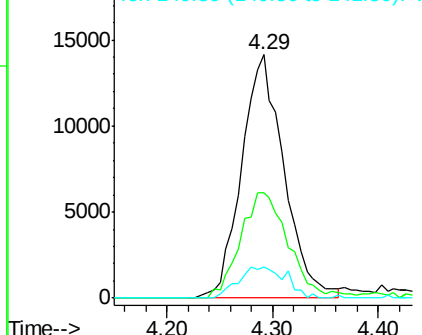
Lab File: VD066202.D

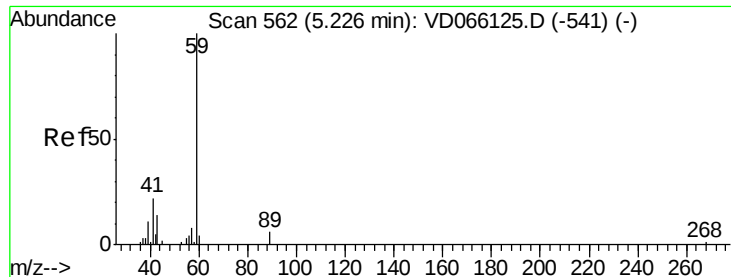
Acq: 12 Aug 2020 14:14

Tgt Ion:	142	Resp:	39413
Ion Ratio	Lower	Upper	
142	100		
127	47.8	36.2	54.4
141	14.4	12.6	18.8



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





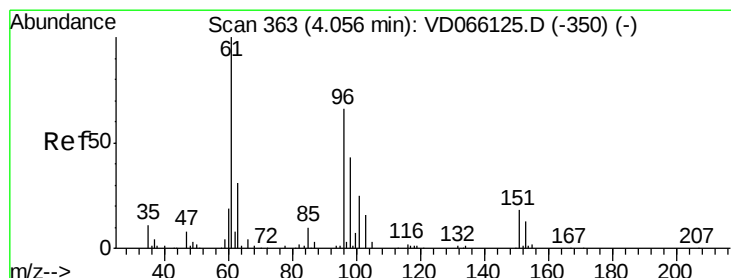
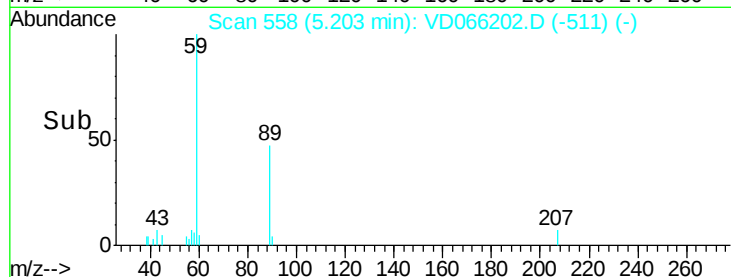
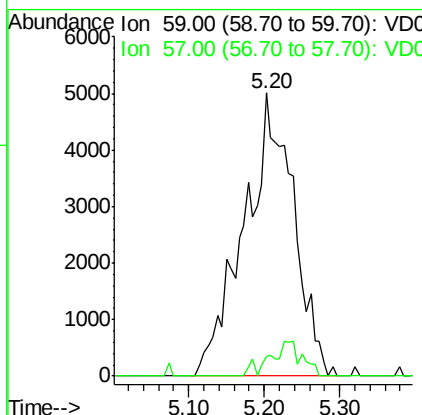
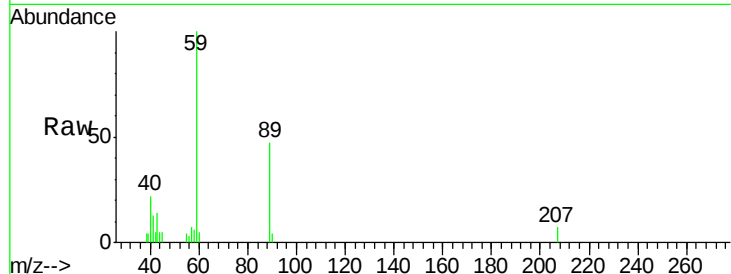
#11
Tert butyl alcohol
Concen: 93.319 ug/l m
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion: 59 Resp: 22644
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#

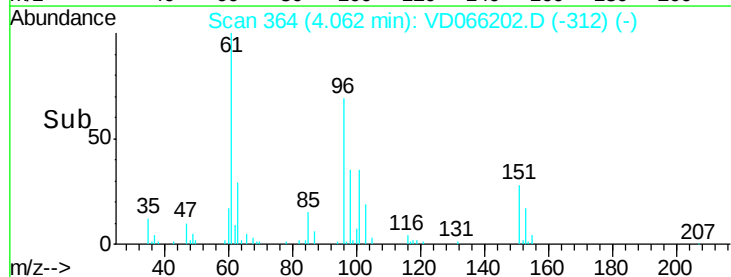
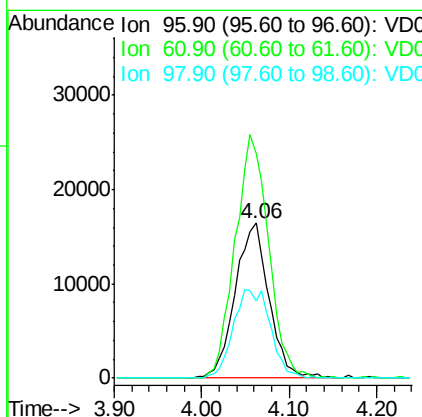
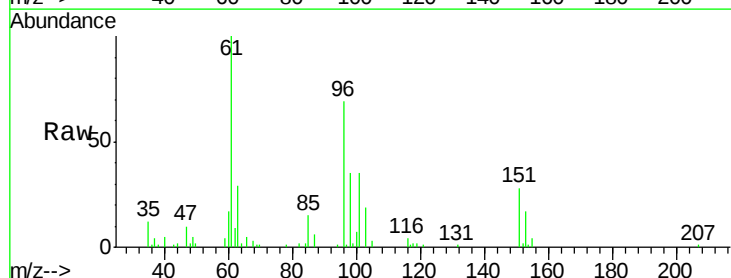
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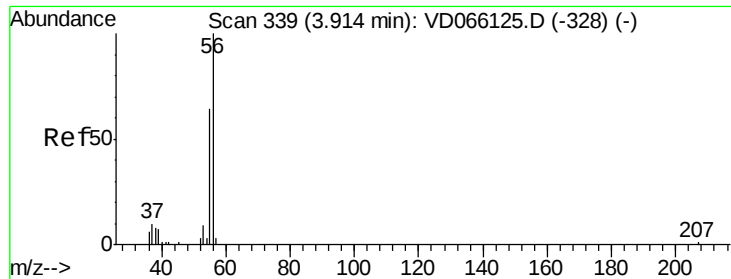
MMDadoda
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#12
1,1-Dichloroethene
Concen: 16.750 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion: 96 Resp: 43050
Ion Ratio Lower Upper
96 100
61 144.4 121.6 182.4
98 49.9 52.0 78.0#





#13

Acrolein

Concen: 70.826 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion: 56 Resp: 14596

Ion Ratio Lower Upper

56 100

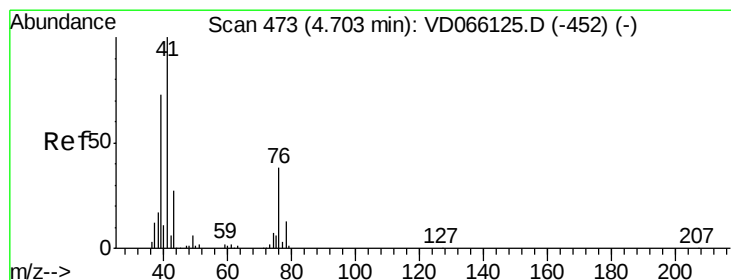
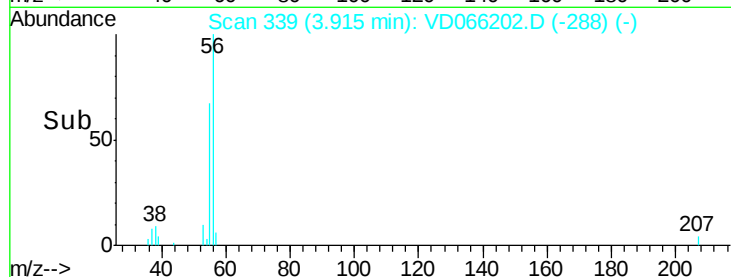
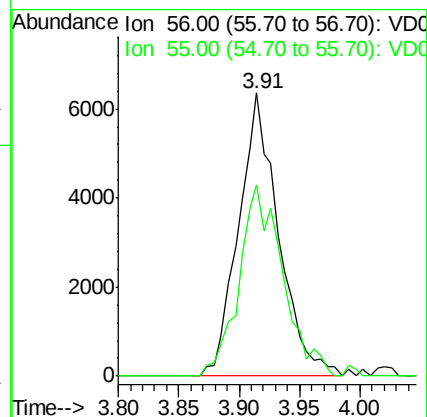
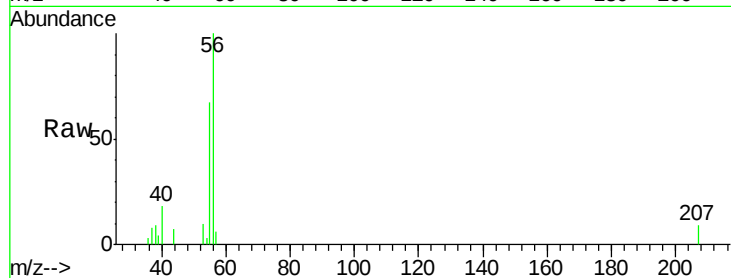
55 73.7 56.7 85.1

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#14

Allyl chloride

Concen: 15.228 ug/l

RT: 4.70 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

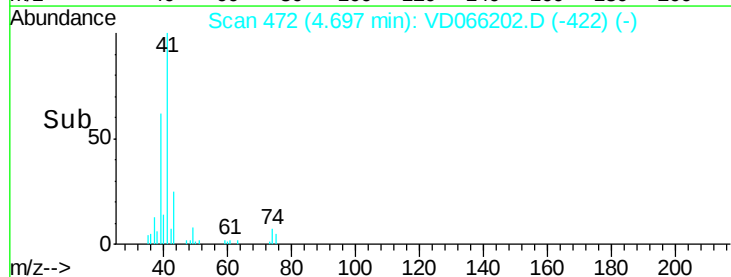
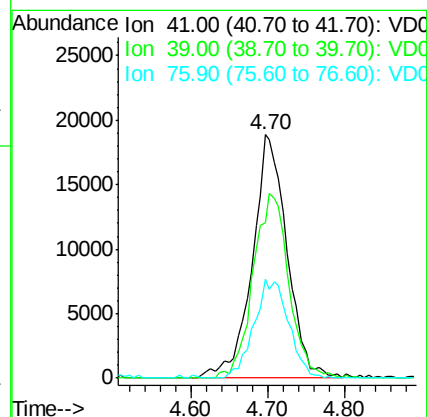
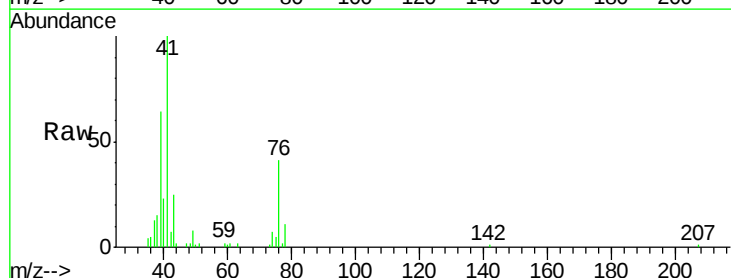
Tgt Ion: 41 Resp: 59290

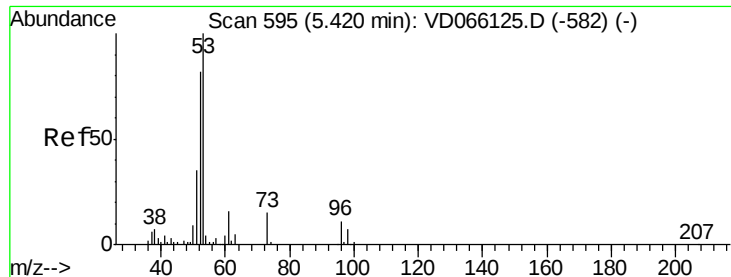
Ion Ratio Lower Upper

41 100

39 78.2 57.4 86.0

76 40.7 30.1 45.1





#15

Acrylonitrile

Concen: 90.579 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

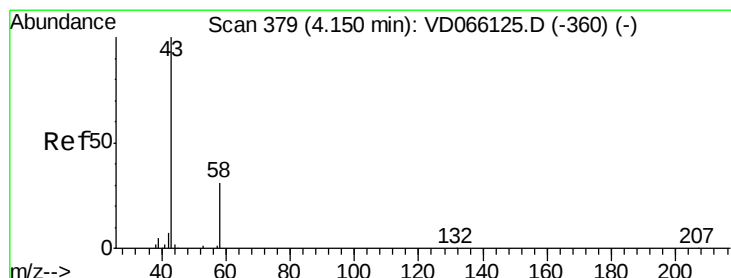
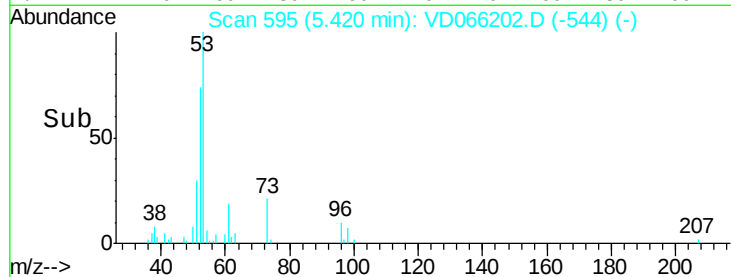
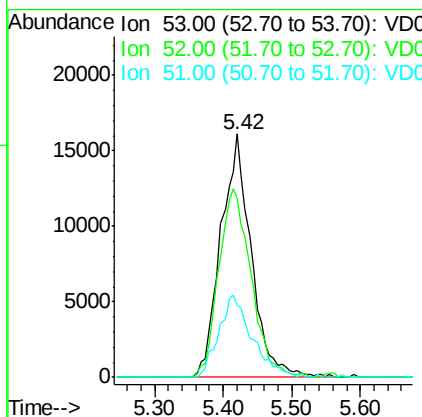
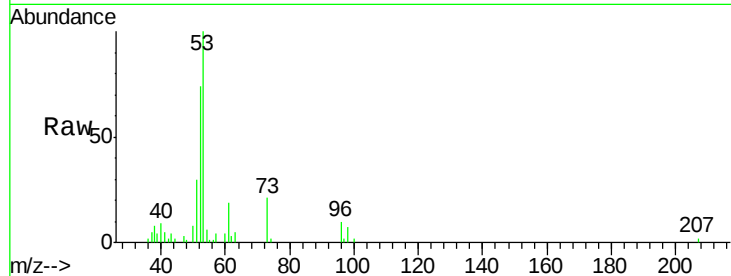
ClientSampleId :

VD0812SBS01

Tot Ion:	53	Resp:	49441
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.1	99.1
51	37.2	30.8	46.2

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#16

Acetone

Concen: 80.879 ug/l

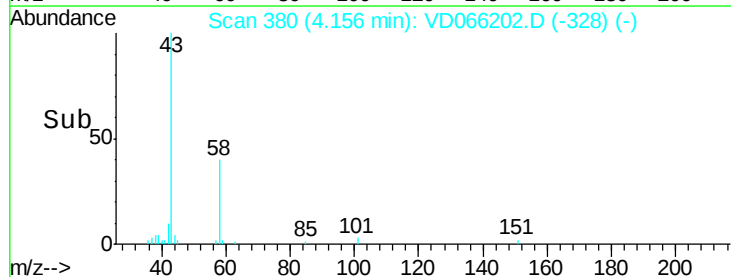
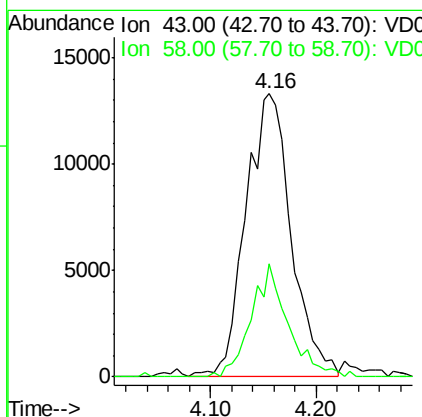
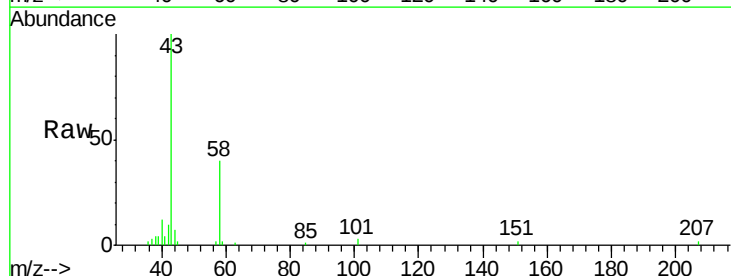
RT: 4.16 min Scan# 380

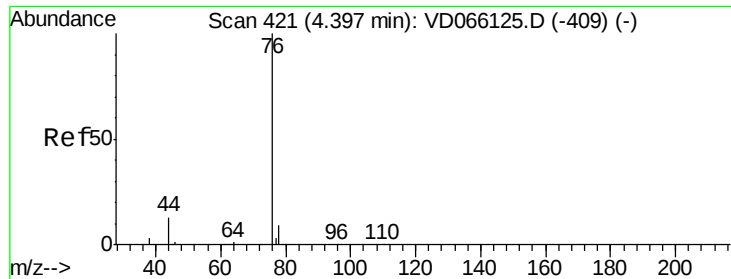
Delta R.T. 0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Tgt Ion:	43	Resp:	39732
Ion Ratio	Lower	Upper	
43	100		
58	40.0	24.7	37.1#





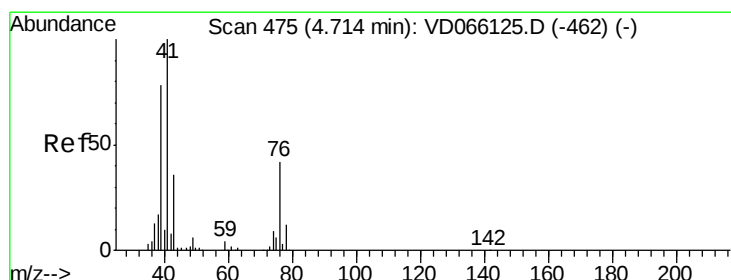
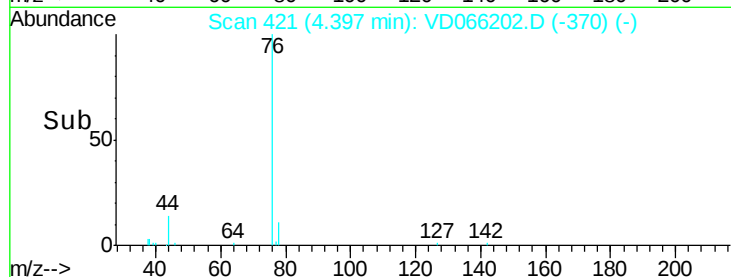
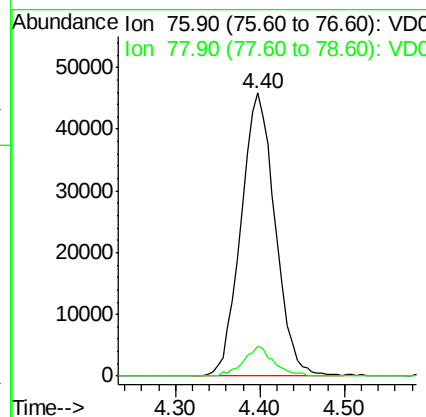
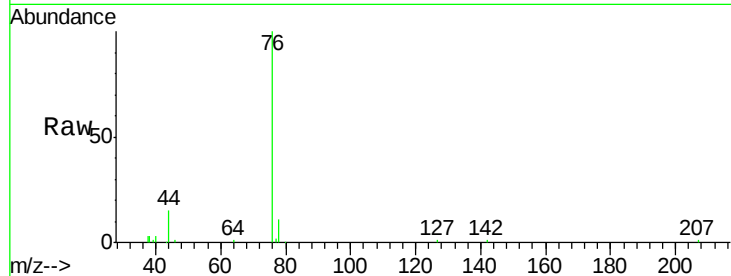
#17
Carbon Disulfide
Concen: 15.744 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.5	11.3

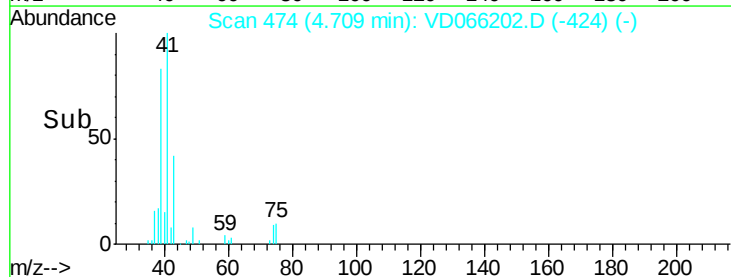
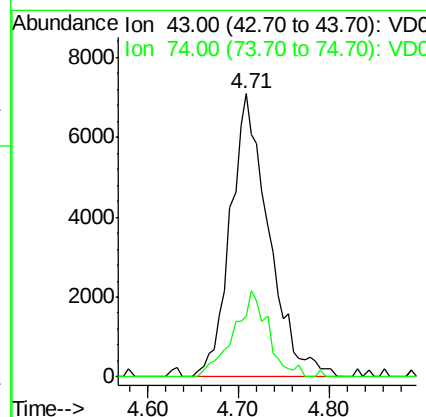
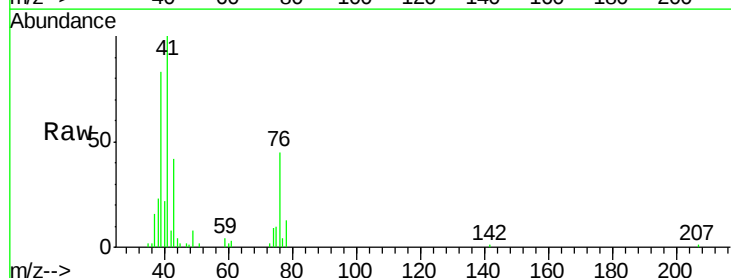
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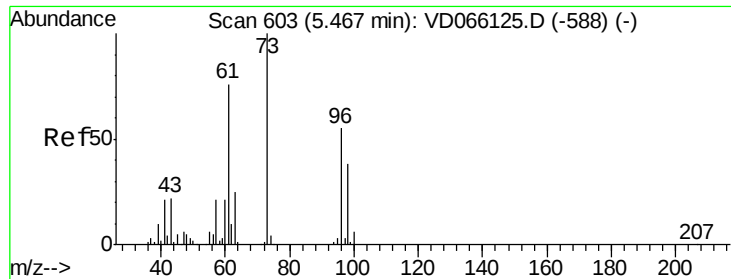
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#18
Methyl Acetate
Concen: 16.740 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.2	21.2	31.8





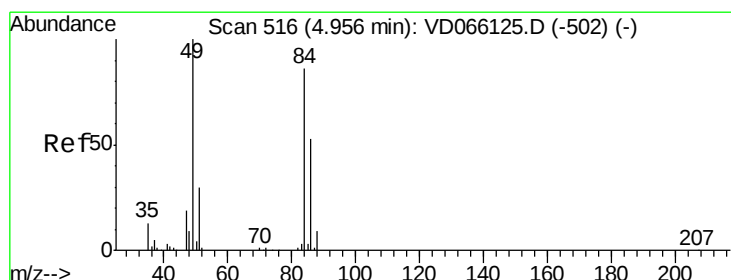
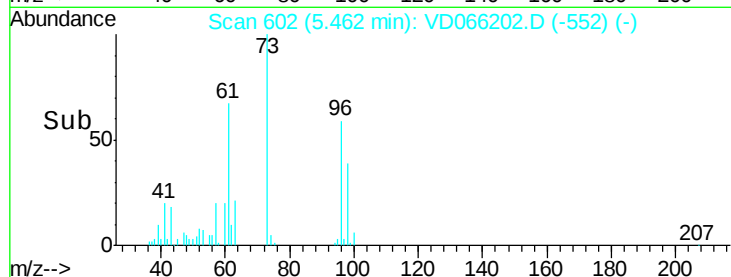
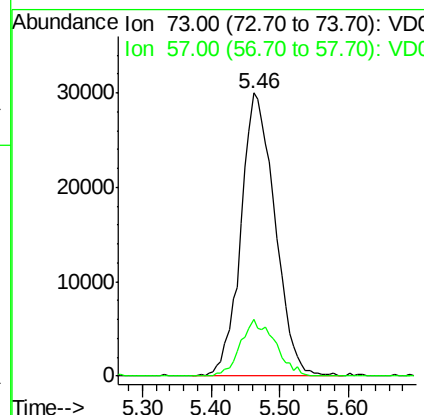
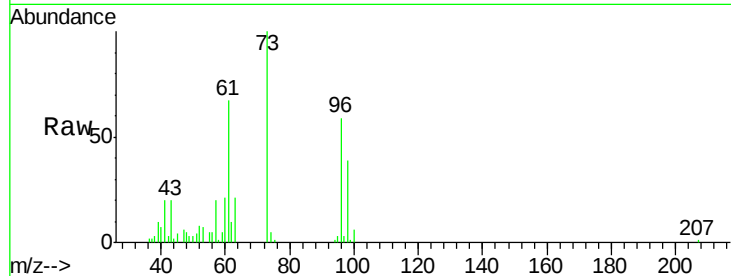
#19
Methyl tert-butyl Ether
Concen: 17.559 ug/l
RT: 5.46 min Scan# 602
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion: 73 Resp: 103439
Ion Ratio Lower Upper
73 100
57 20.0 17.1 25.7

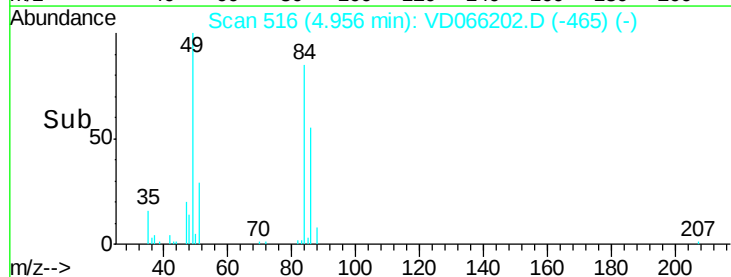
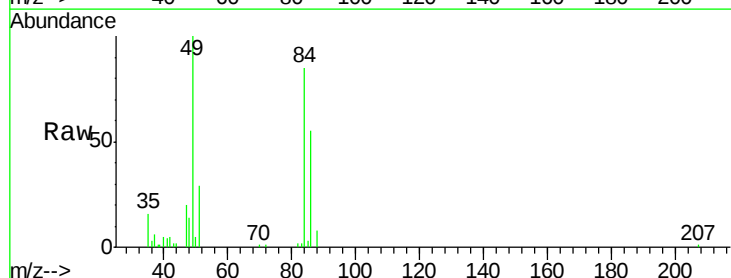
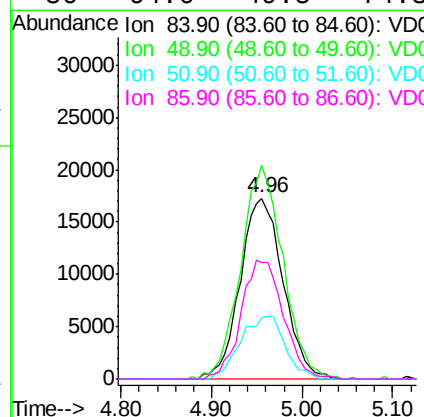
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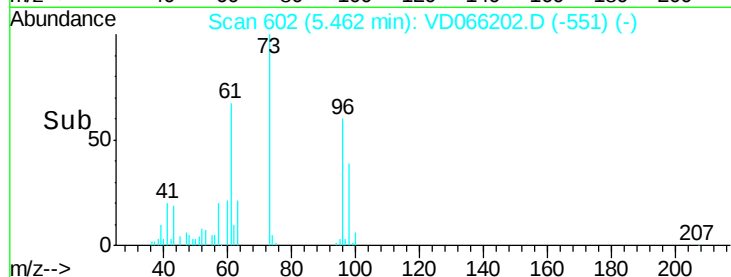
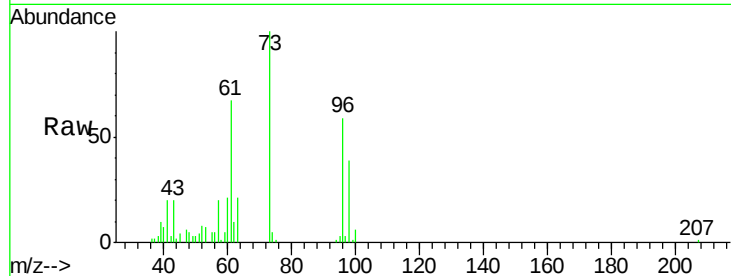
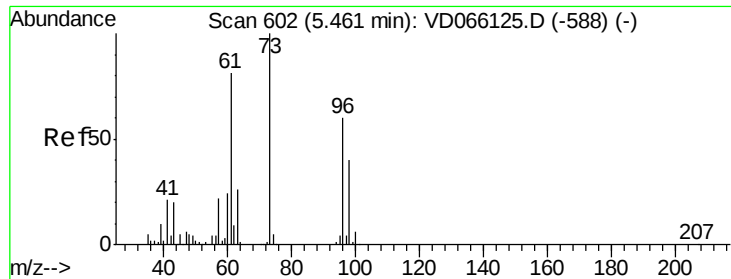
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#20
Methylene Chloride
Concen: 17.069 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion: 84 Resp: 56824
Ion Ratio Lower Upper
84 100
49 118.3 93.5 140.3
51 33.9 28.2 42.4
86 64.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 16.564 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.00 min

Lab File: VD066202.D

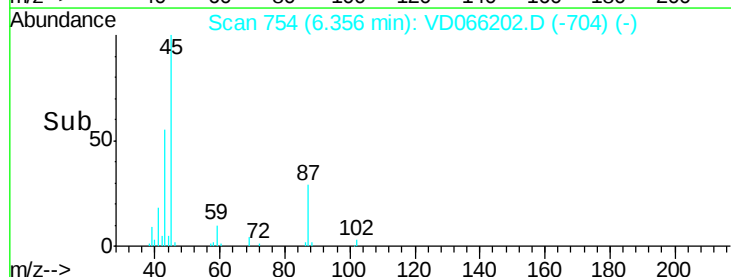
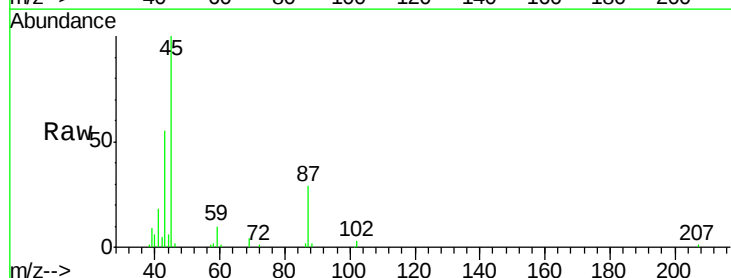
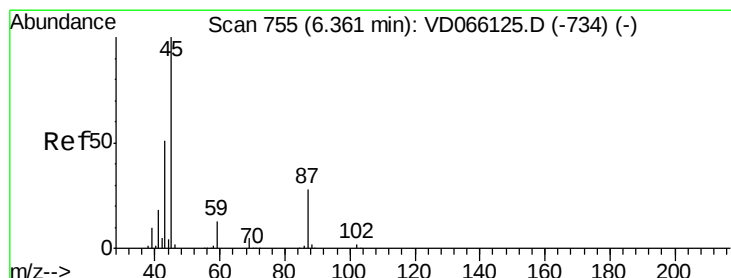
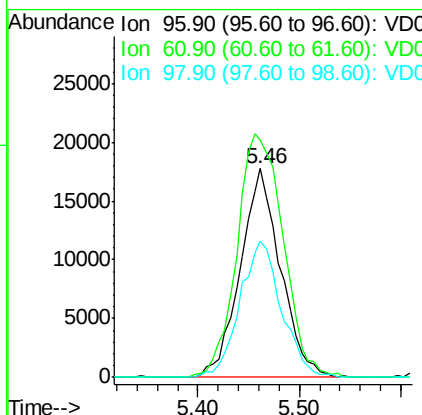
Acq: 12 Aug 2020 14:14

Tot Ion:	96	Resp:	48903
Ion	Ratio	Lower	Upper
96	100		
61	113.4	106.9	160.3
98	65.2	53.4	80.0

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

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#22

Diisopropyl ether

Concen: 17.526 ug/l

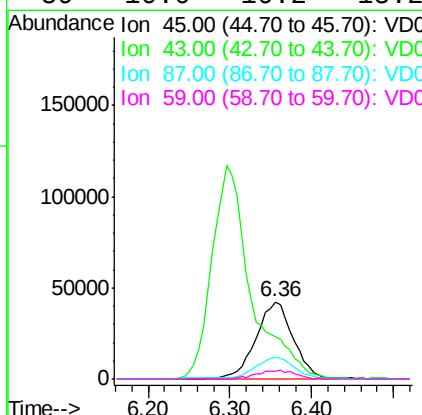
RT: 6.36 min Scan# 754

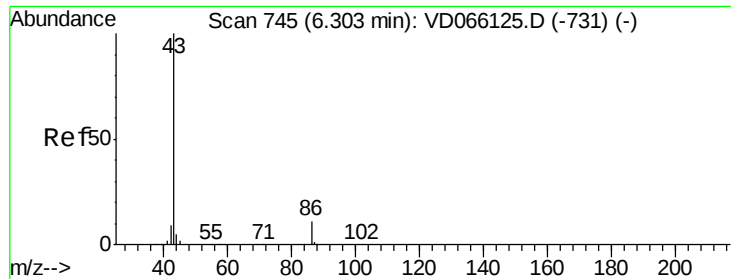
Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Tgt Ion:	45	Resp:	134941
Ion	Ratio	Lower	Upper
45	100		
43	53.3	41.2	61.8
87	28.6	22.8	34.2
59	10.0	10.2	15.2#





#23

Vinyl Acetate

Concen: 86.955 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion: 43 Resp: 392236

Ion Ratio Lower Upper

43 100

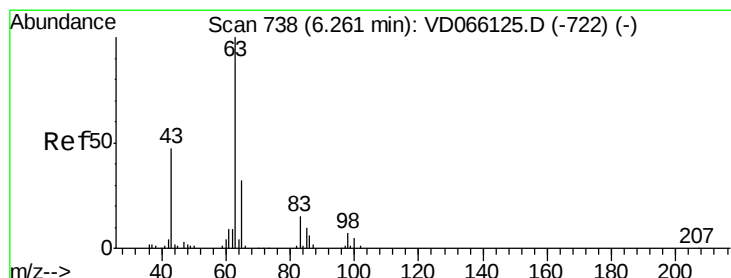
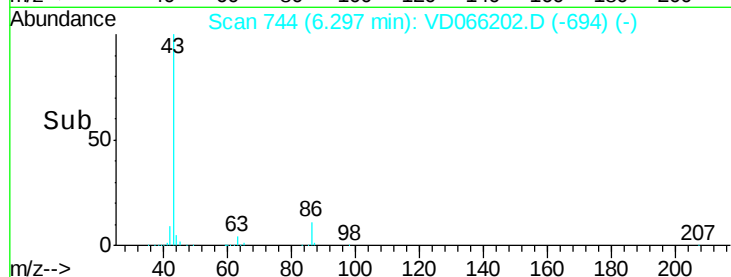
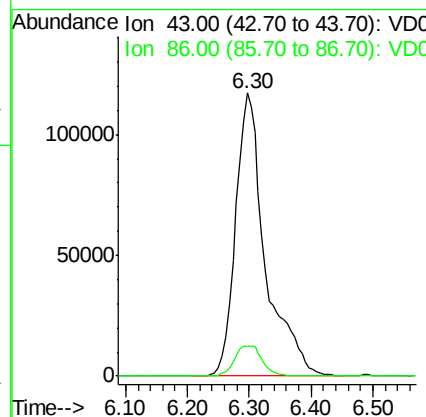
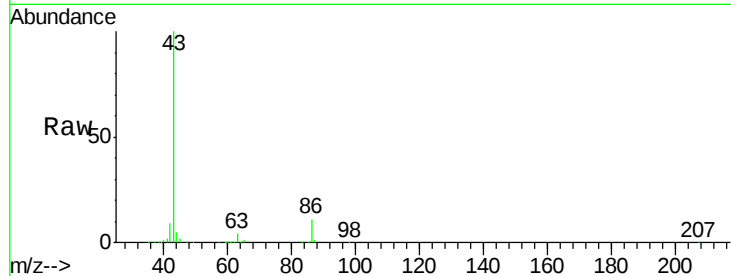
86 10.6 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.534 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

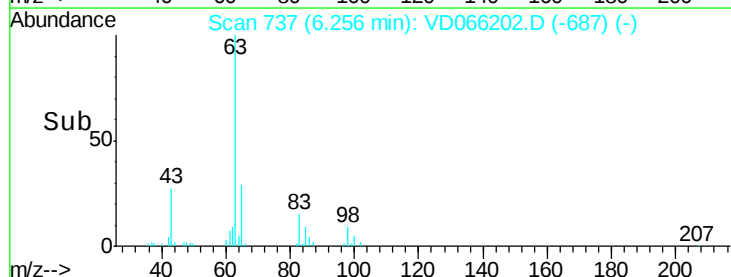
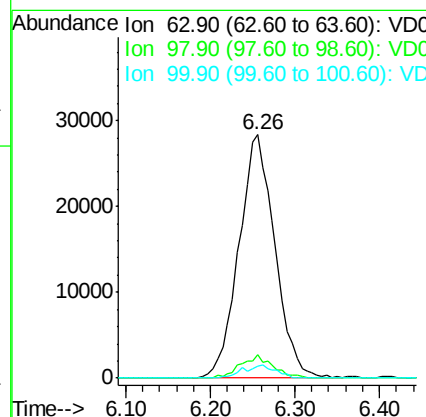
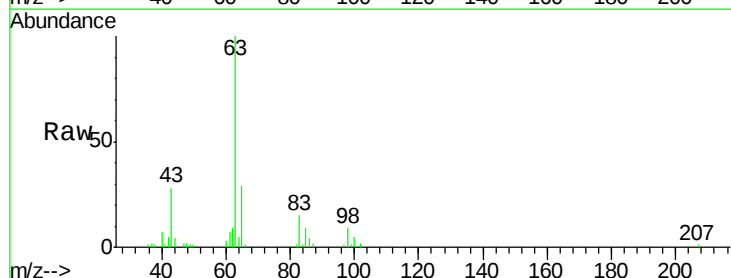
Tgt Ion: 63 Resp: 83550

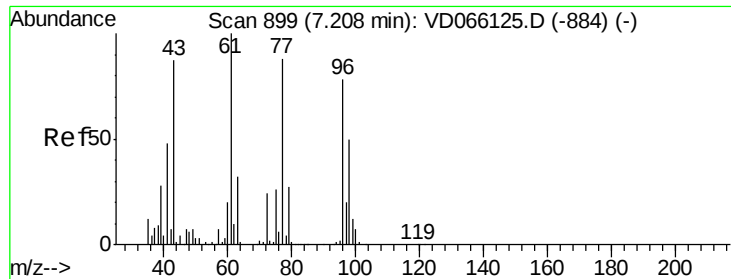
Ion Ratio Lower Upper

63 100

98 9.4 3.5 10.5

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 88.894 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion: 43 Resp: 64230

Ion Ratio Lower Upper

43 100

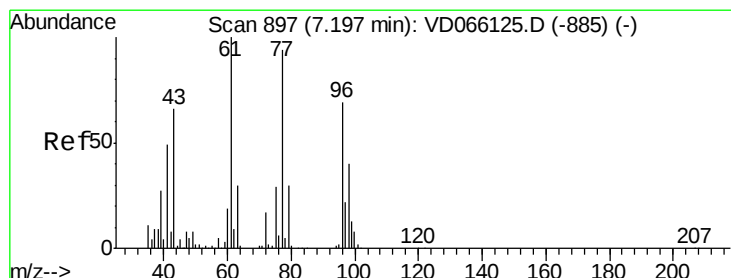
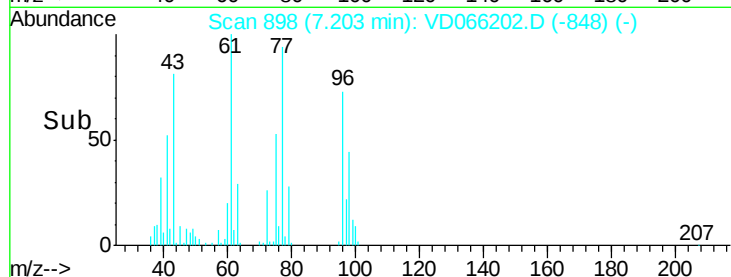
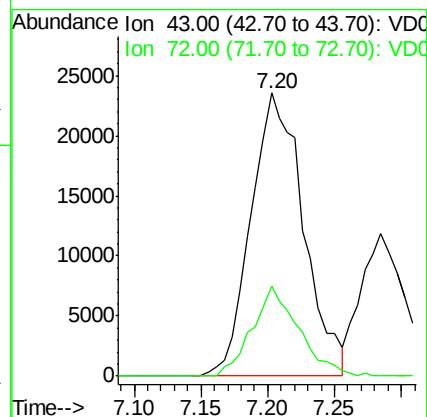
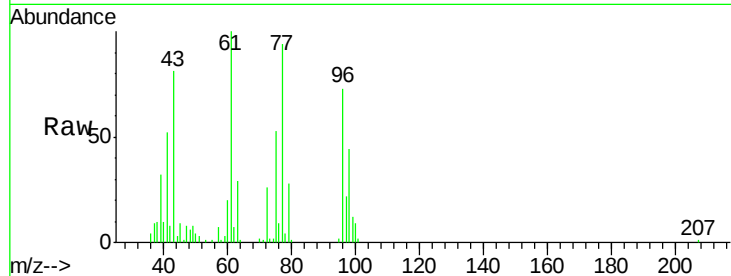
72 31.9 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.500 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066202.D

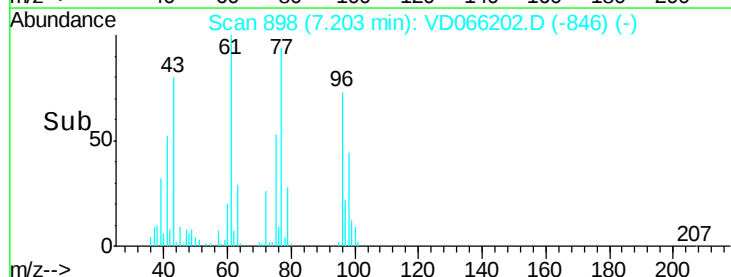
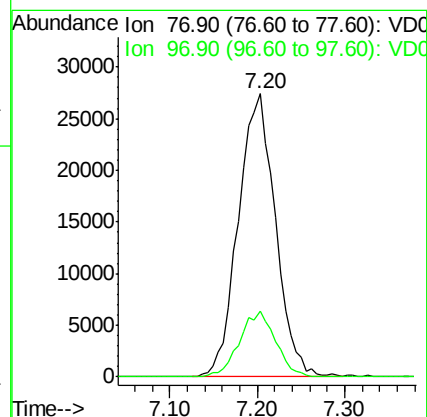
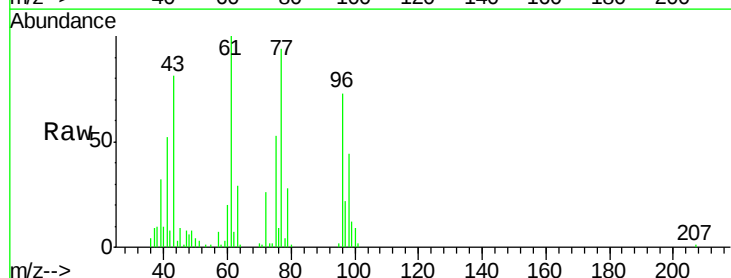
Acq: 12 Aug 2020 14:14

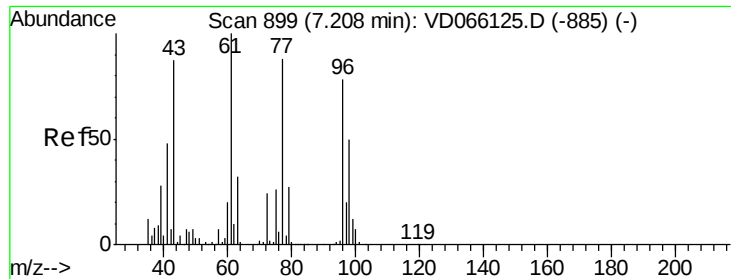
Tgt Ion: 77 Resp: 79009

Ion Ratio Lower Upper

77 100

97 22.4 11.8 35.3





#27

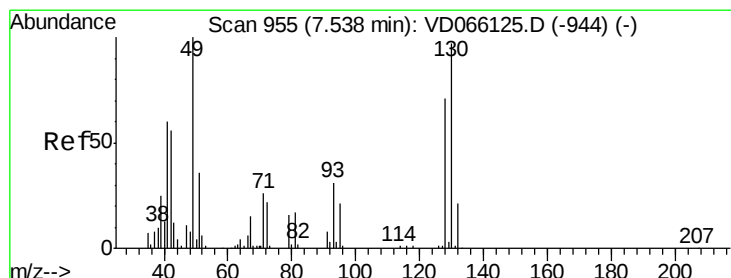
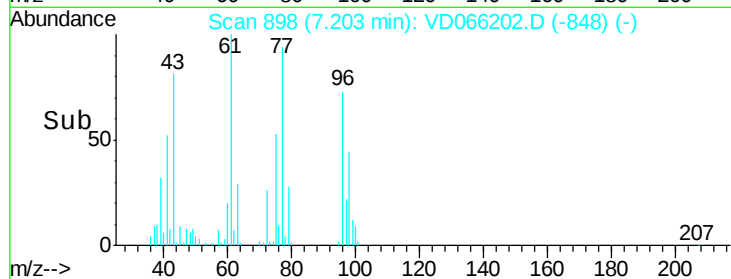
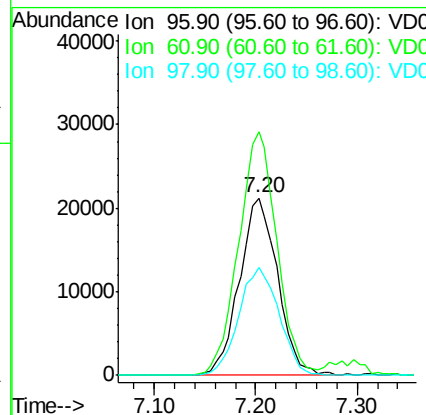
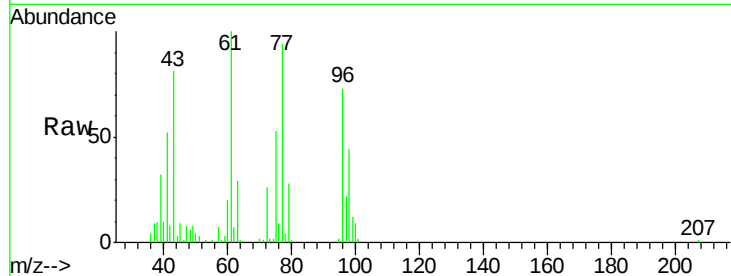
cis-1,2-Dichloroethene
 Concen: 17.857 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	55298		
61	138.1		0.0	281.6
98	64.2		0.0	130.8

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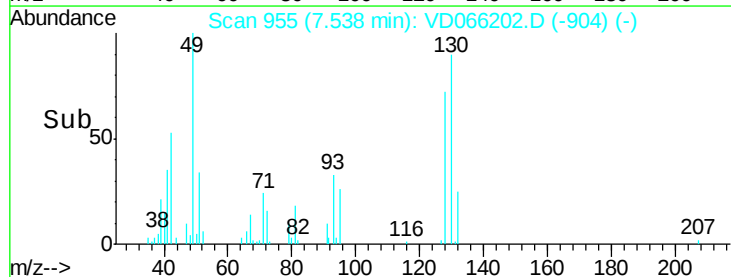
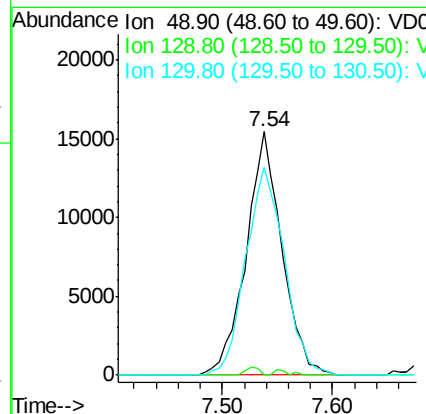
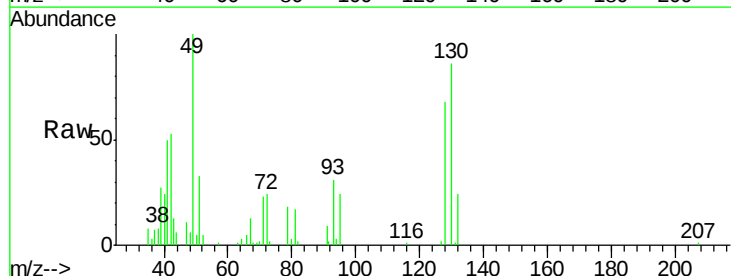
MMDadoda
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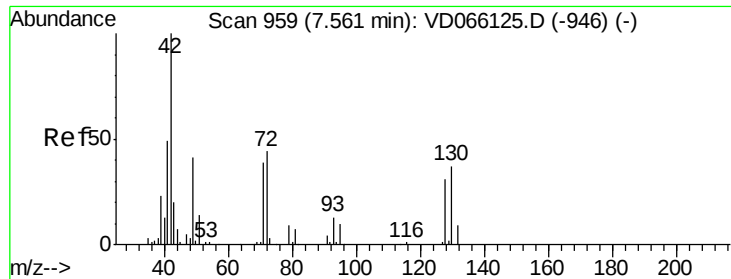


#28

Bromochloromethane
 Concen: 21.018 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	35175		
129	0.8		0.0	6.0
130	92.0		73.8	110.6





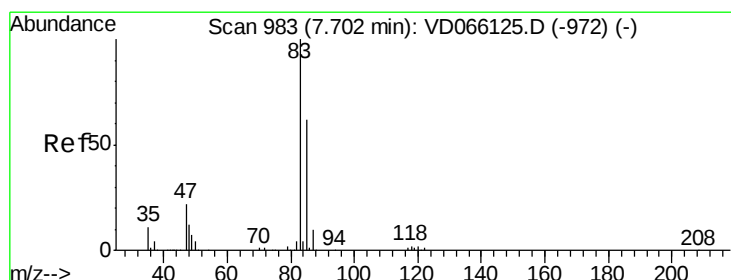
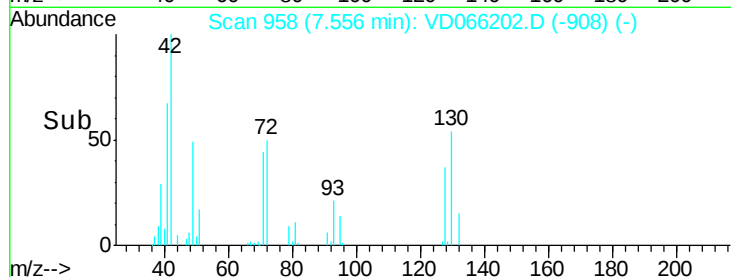
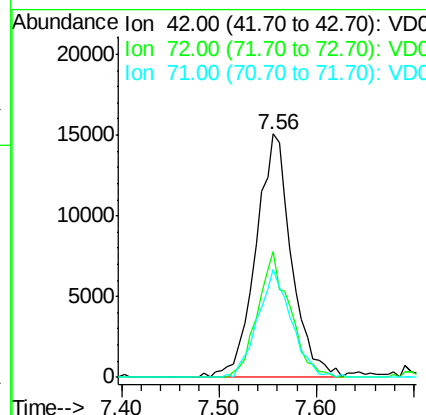
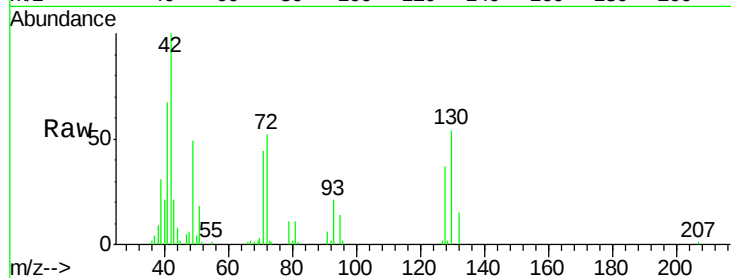
#29
Tetrahydrofuran
Concen: 85.859 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	34.8	52.2
71	41.8	33.5	50.3

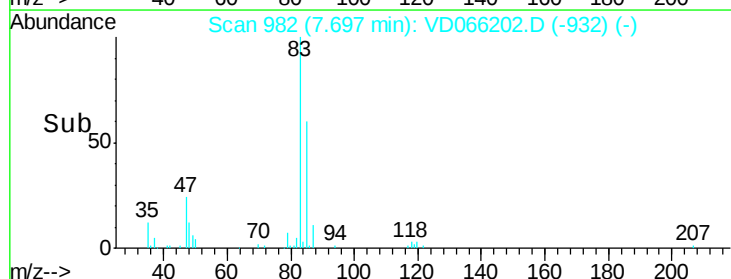
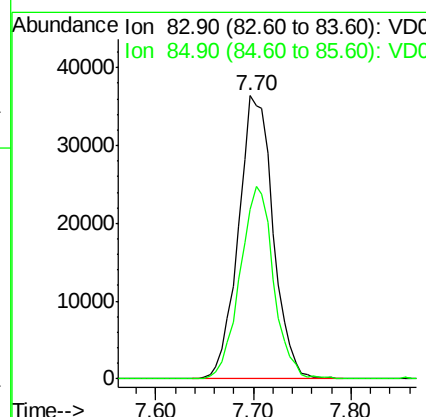
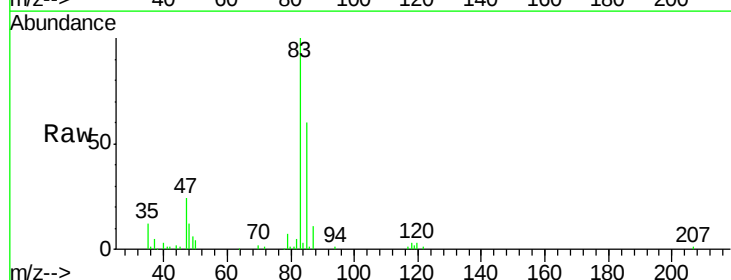
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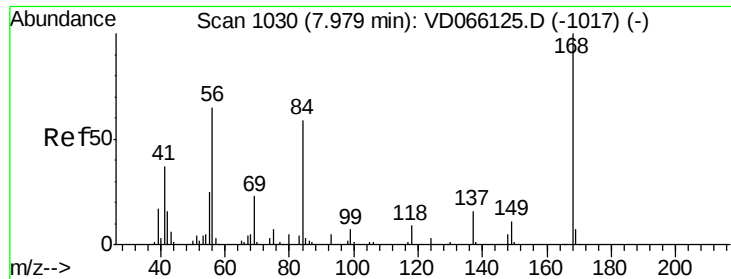
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#30
Chloroform
Concen: 18.028 ug/l
RT: 7.70 min Scan# 982
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.1	49.5	74.3





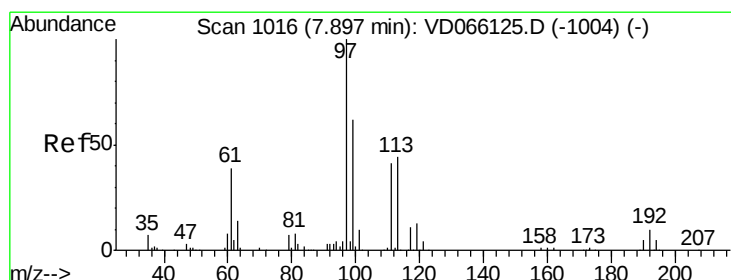
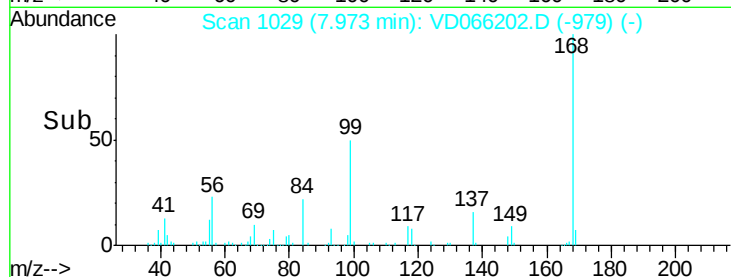
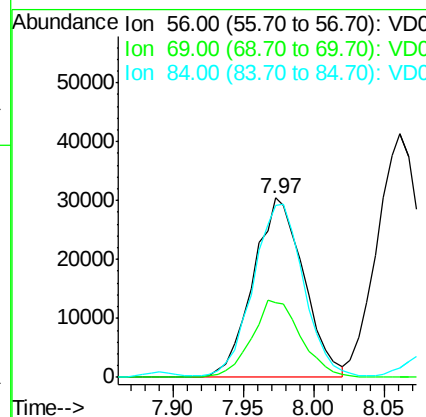
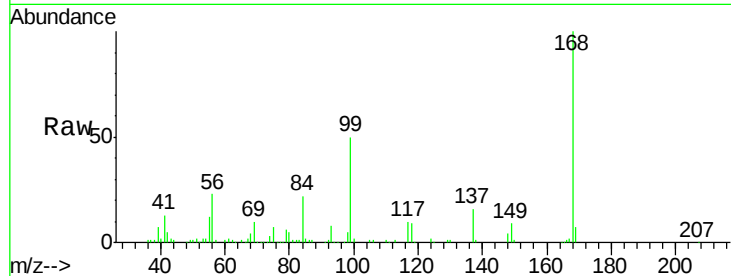
#31
Cyclohexane
Concen: 16.907 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.8	28.8	43.2
84	95.0	73.0	109.6

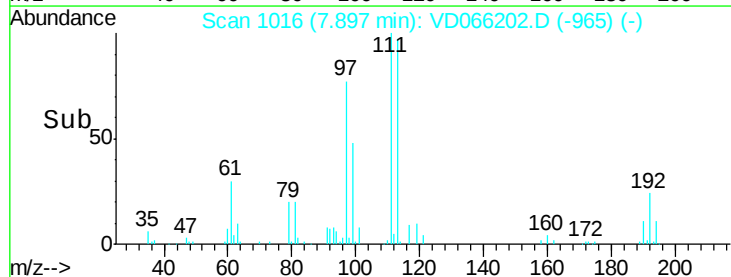
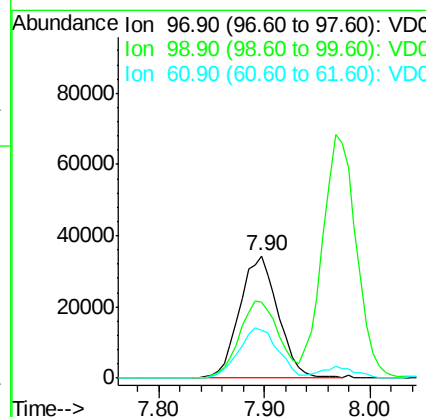
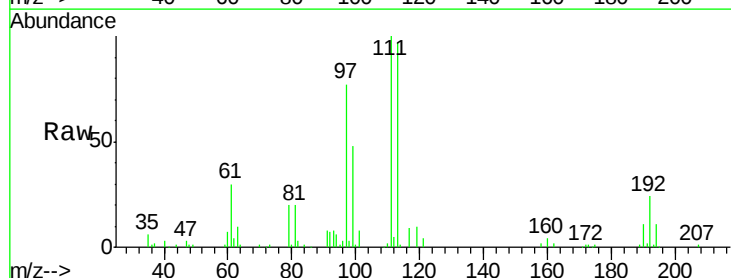
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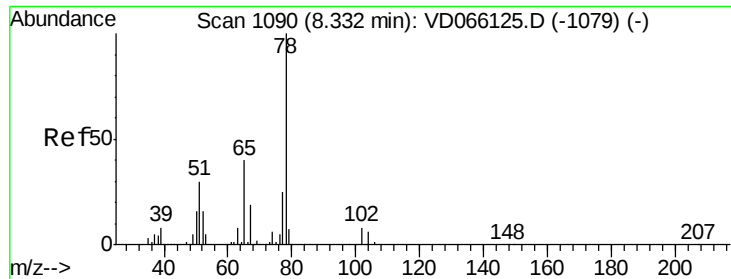
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#32
1,1,1-Trichloroethane
Concen: 18.499 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.1	76.7
61	41.9	32.7	49.1





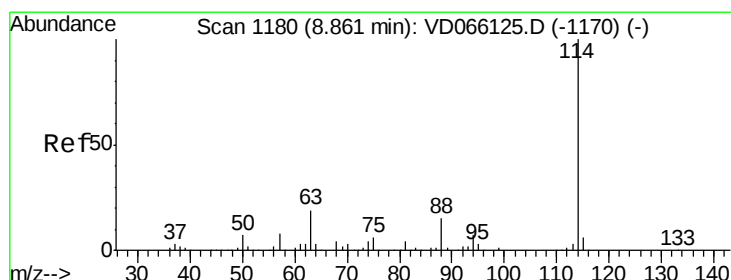
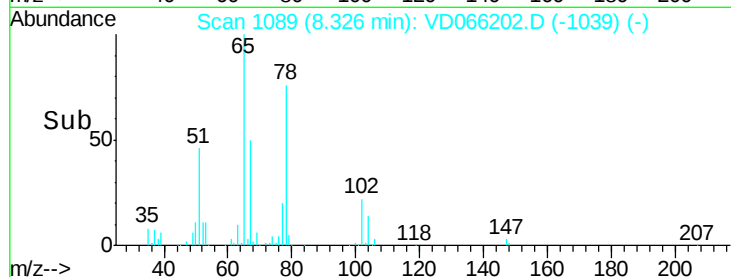
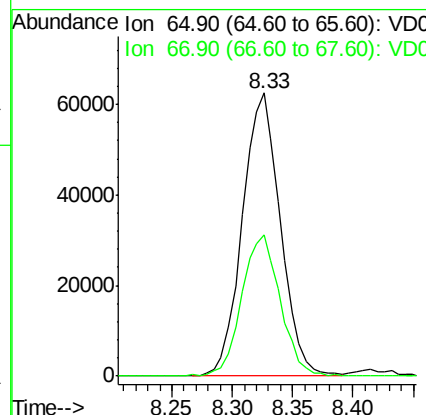
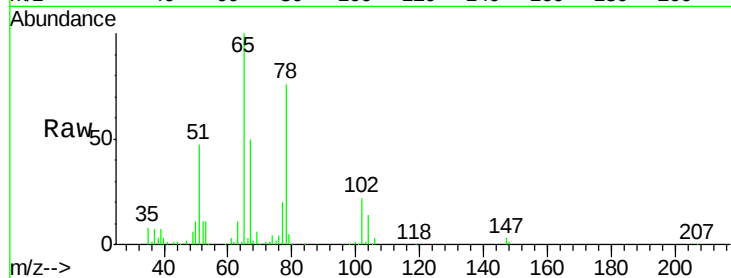
#33
 1,2-Dichloroethane-d4
 Concen: 53.115 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.4	0.0	104.6	

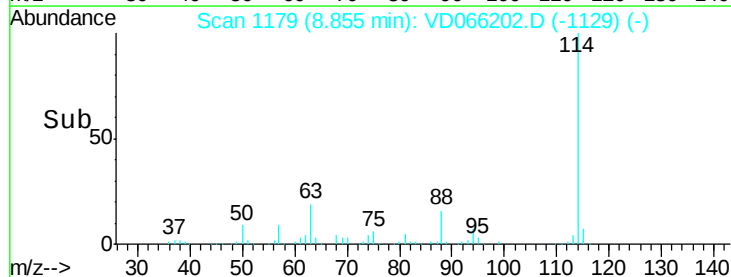
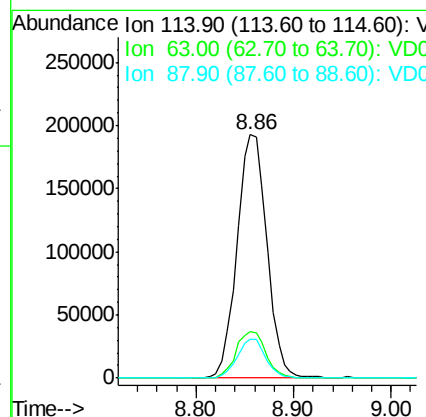
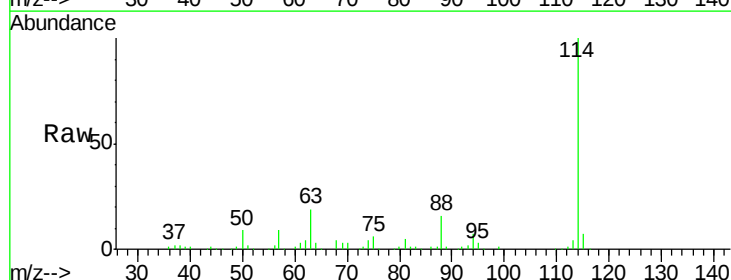
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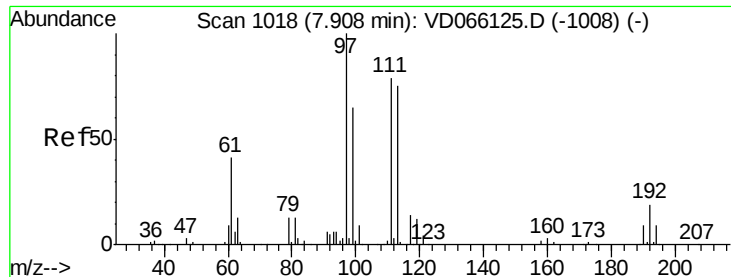
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	38.6	
88	15.7	0.0	30.0	





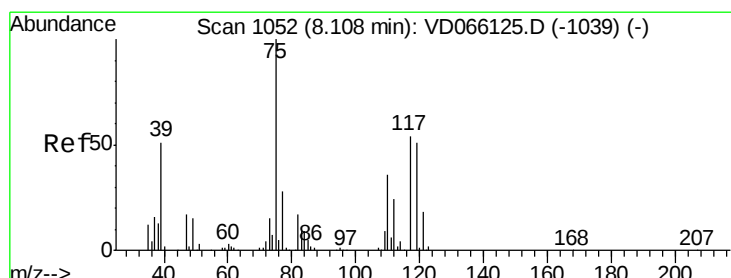
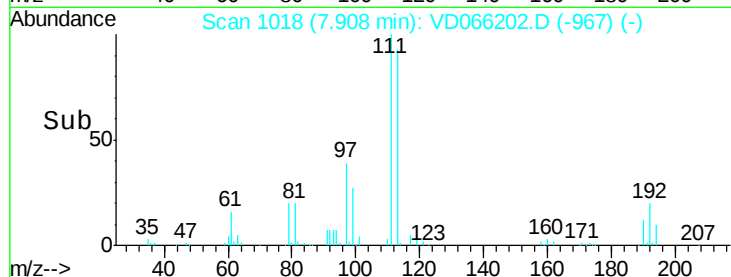
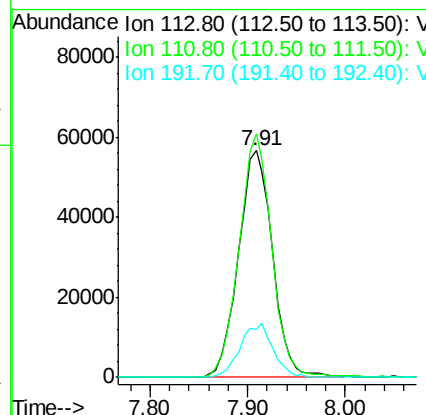
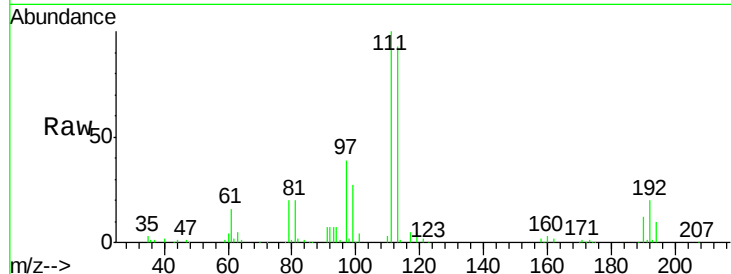
#35
 Dibromofluoromethane
 Concen: 53.172 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138015		
111	102.8	80.7	121.1	
192	22.8	18.4	27.6	

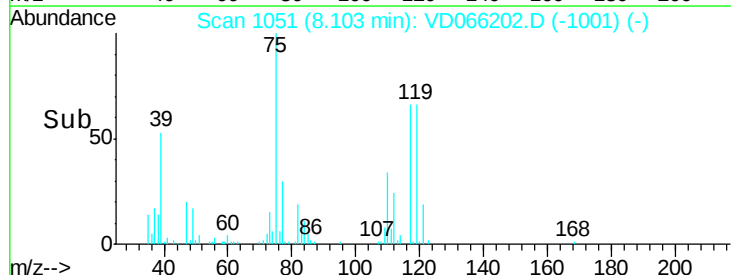
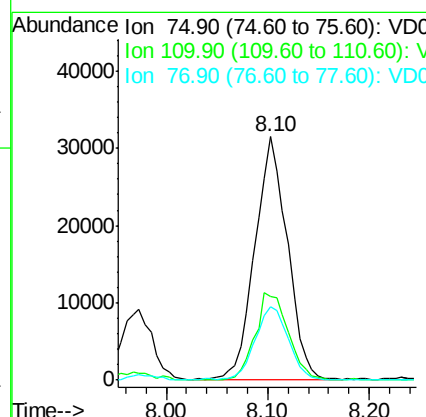
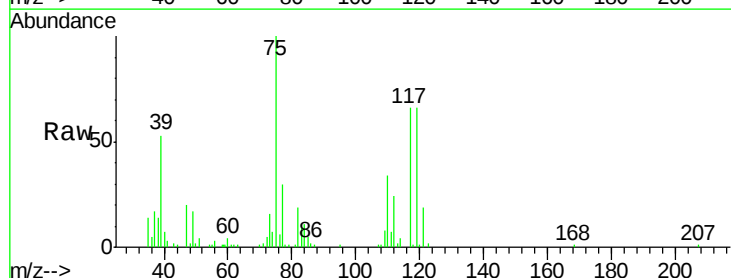
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 18.292 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	70428		
110	36.5	18.8	56.3	
77	30.7	24.2	36.2	





#37

Ethyl Acetate

Concen: 17.378 ug/l

RT: 7.28 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

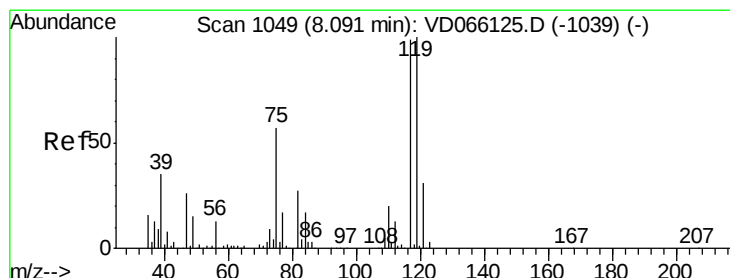
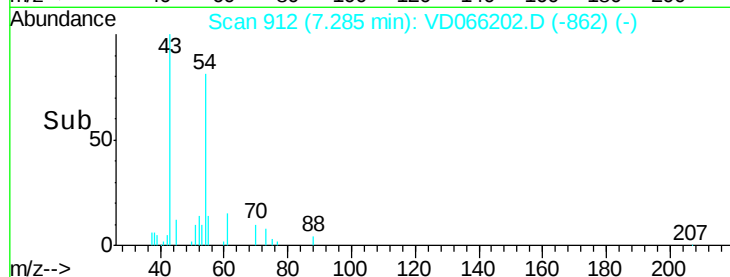
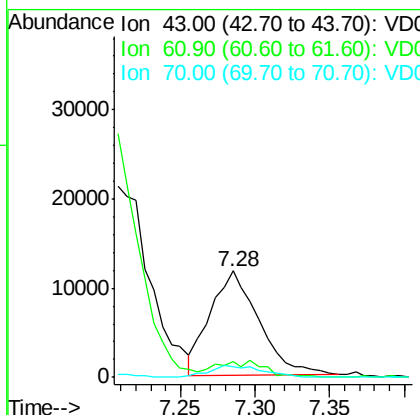
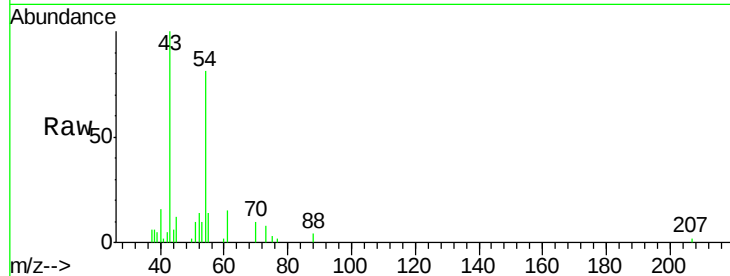
ClientSampleId :

VD0812SBS01

Tot Ion:	43	Resp:	26511
Ion Ratio	Lower	Upper	
43	100		
61	0.0	12.0	18.0#
70	12.3	9.7	14.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.176 ug/l

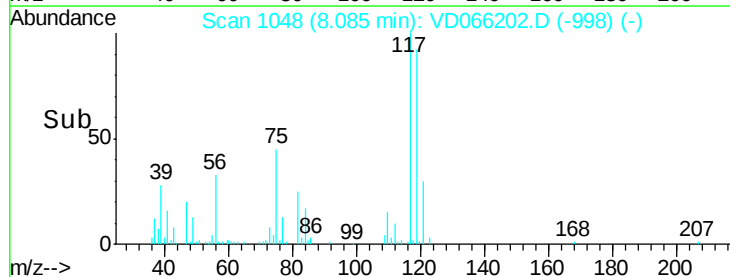
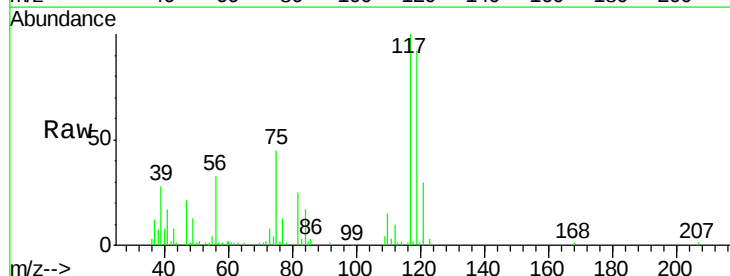
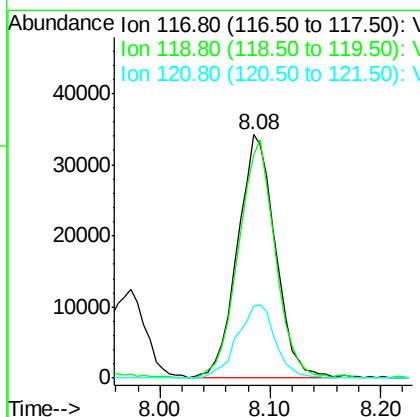
RT: 8.08 min Scan# 1048

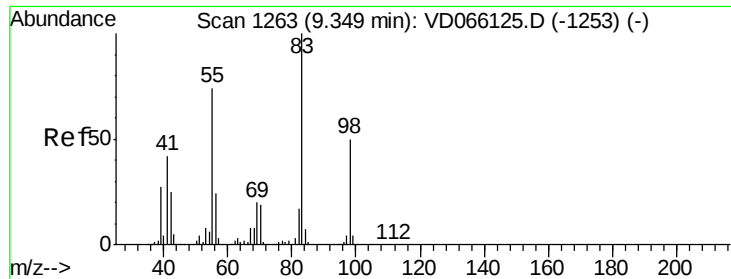
Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Tgt Ion:	117	Resp:	82333
Ion Ratio	Lower	Upper	
117	100		
119	91.6	81.0	121.4
121	29.6	24.8	37.2





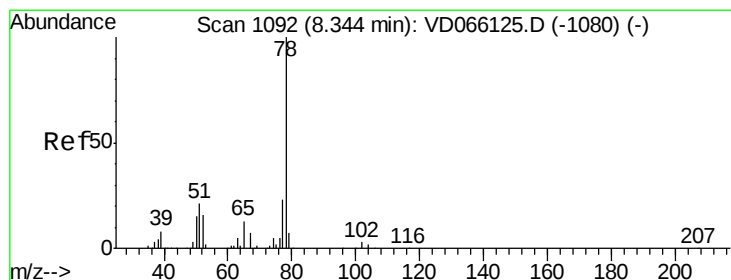
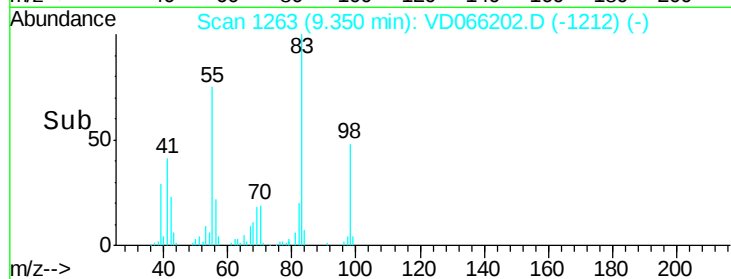
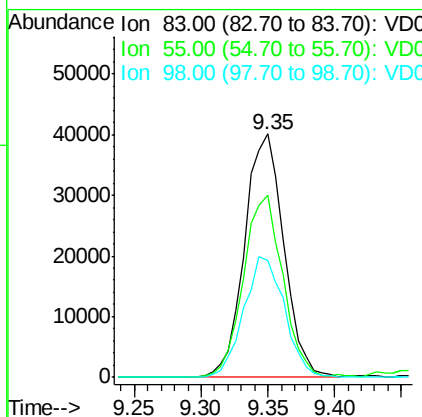
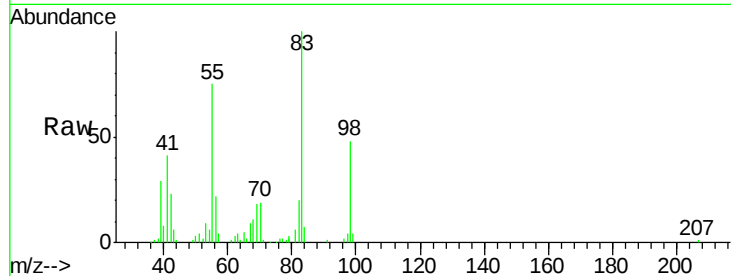
#39
Methvlcvclohexane
Concen: 17.495 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion	83	Resp	81427
Ion	Ratio	Lower	Upper
83	100		
55	74.7	59.2	88.8
98	47.8	39.8	59.6

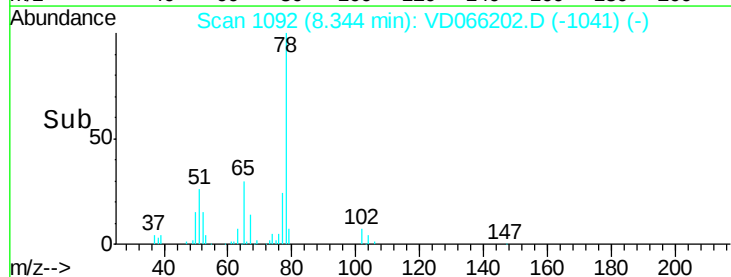
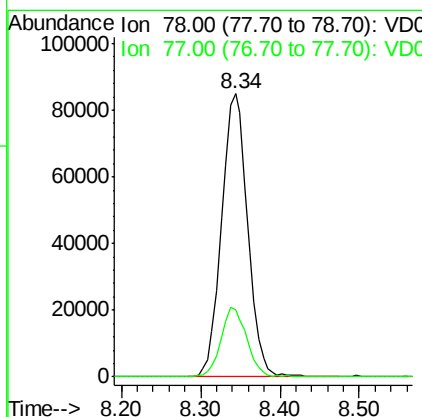
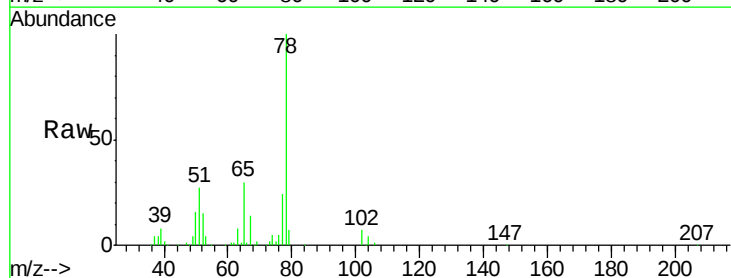
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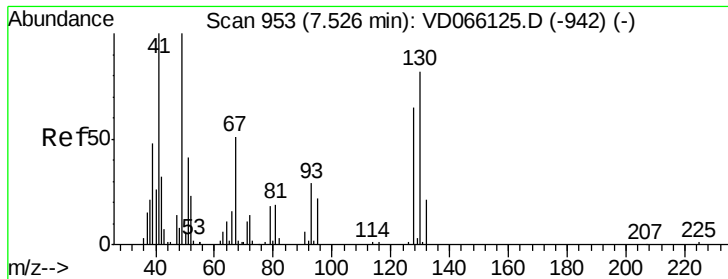
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#40
Benzene
Concen: 18.071 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion	78	Resp	193013
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	27.8





#41

Methacrylonitrile

Concen: 19.398 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion: 41 Resp: 17399

Ion Ratio Lower Upper

41 100

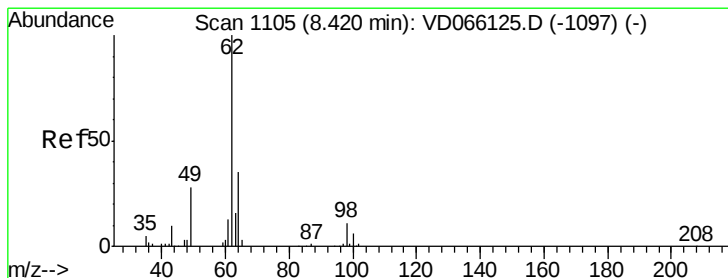
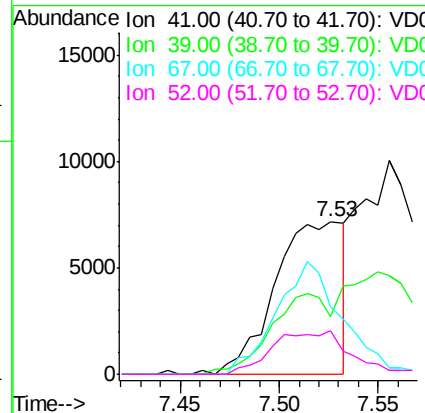
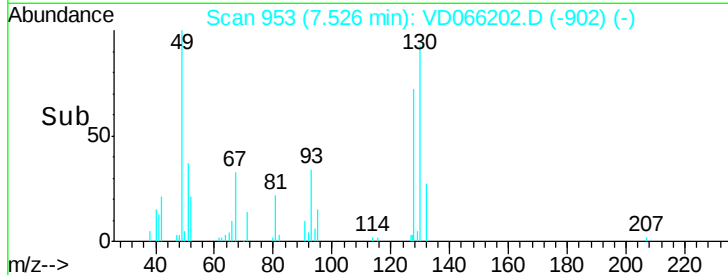
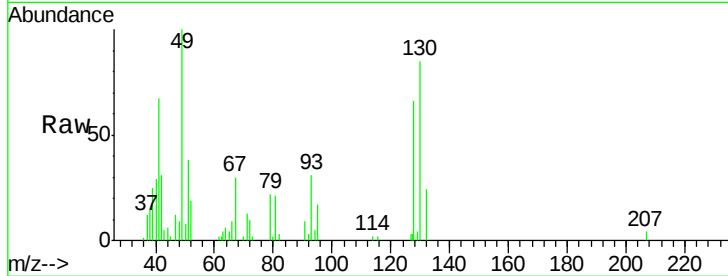
39 76.1 47.5 71.3#

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: 19.122 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066202.D

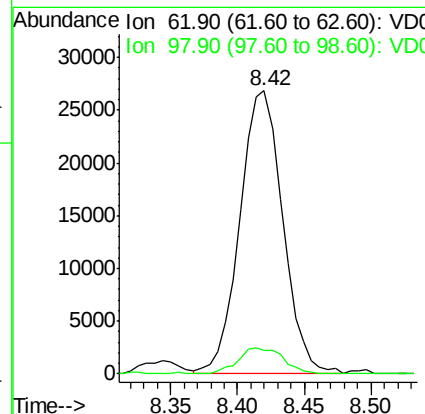
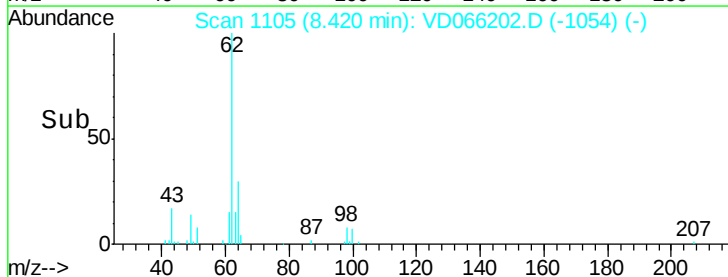
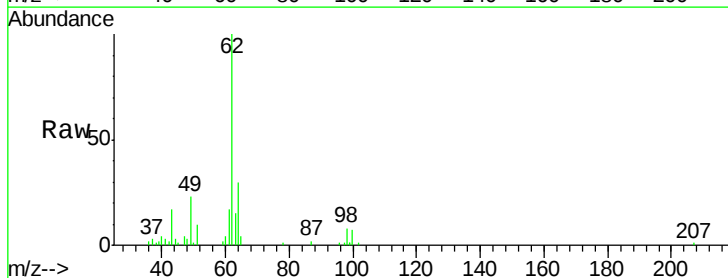
Acq: 12 Aug 2020 14:14

Tgt Ion: 62 Resp: 60000

Ion Ratio Lower Upper

62 100

98 9.7 0.0 20.4





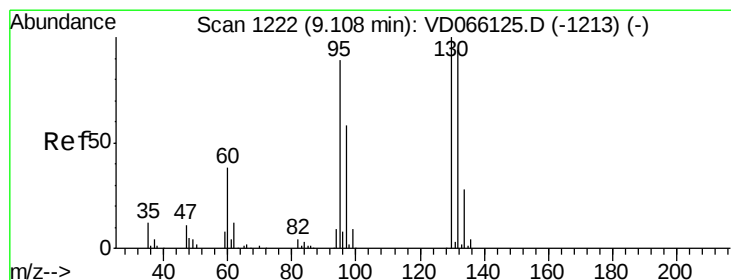
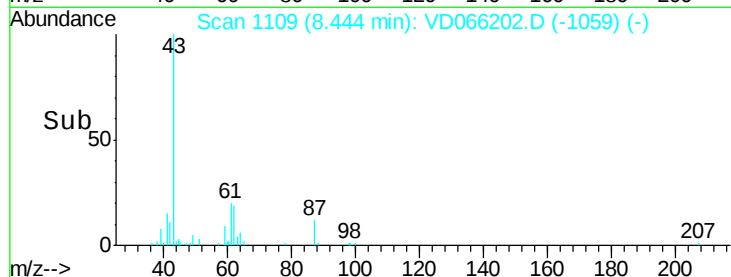
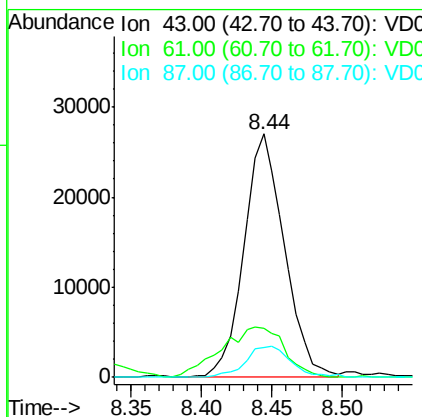
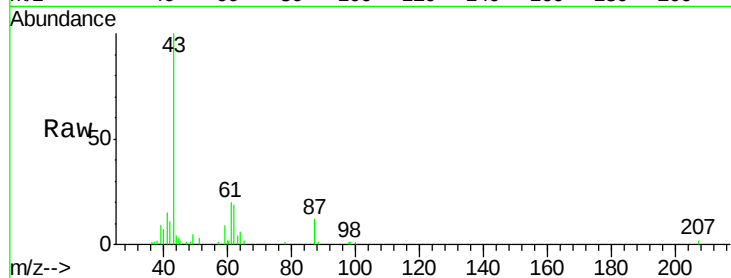
#43
Isopropyl Acetate
Concen: 18.070 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.1	25.5	38.3
87	14.4	11.2	16.8

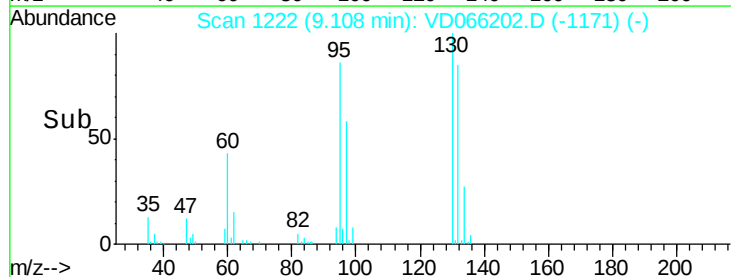
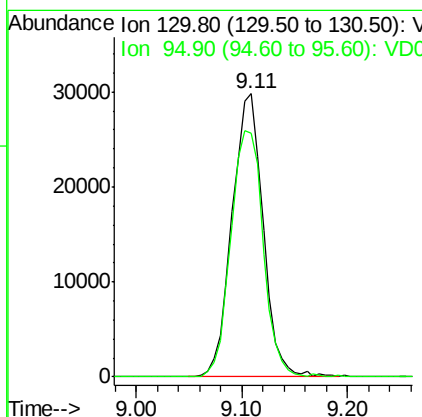
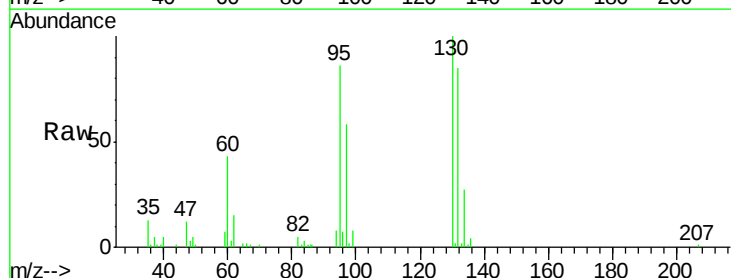
Manual Integrations
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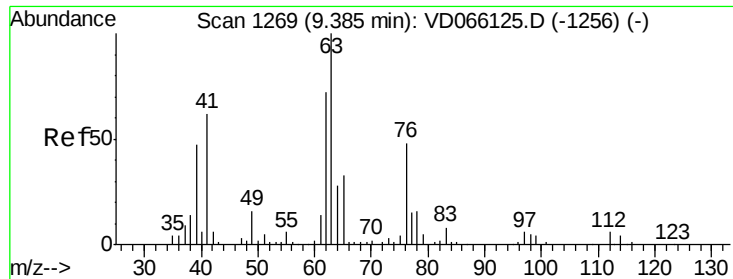
MMDadoda
8/13/2020 4:21:01 PM



#44
Trichloroethene
Concen: 18.796 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.9	0.0	178.4





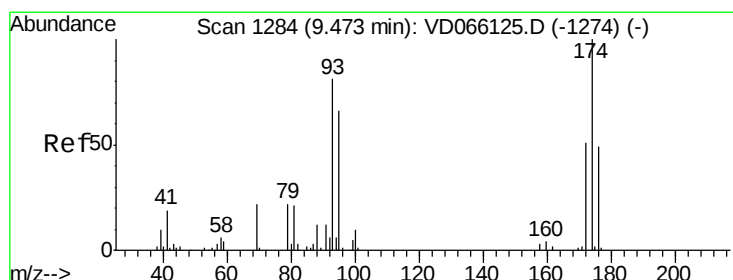
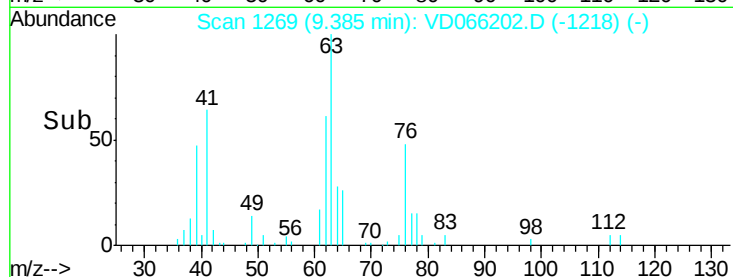
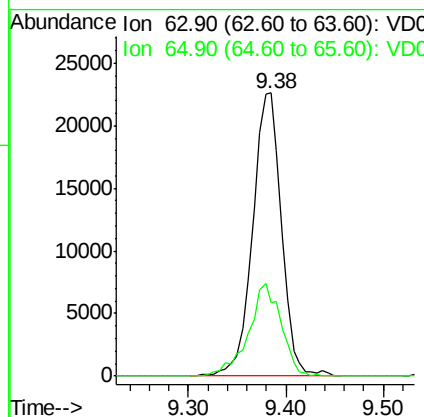
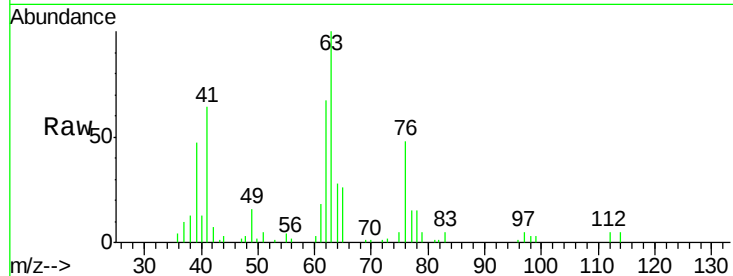
#45
 1,2-Dichloropropane
 Concen: 18.009 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Tot Ion: 63 Resp: 47044
 Ion Ratio Lower Upper
 63 100
 65 26.1 26.5 39.7#

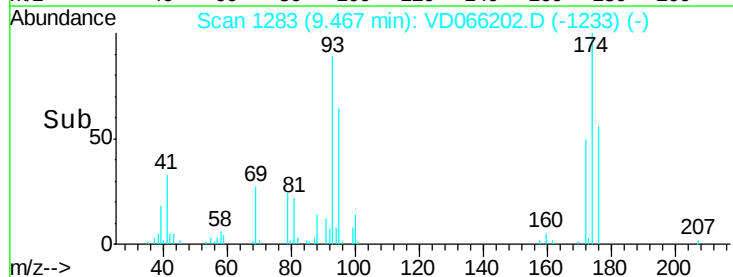
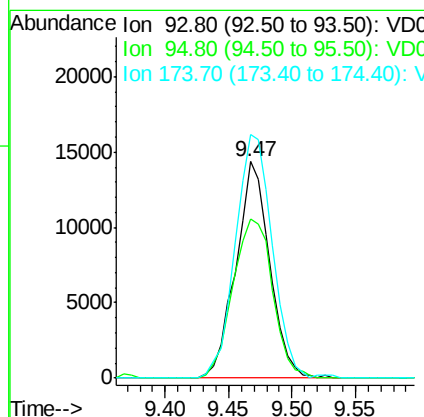
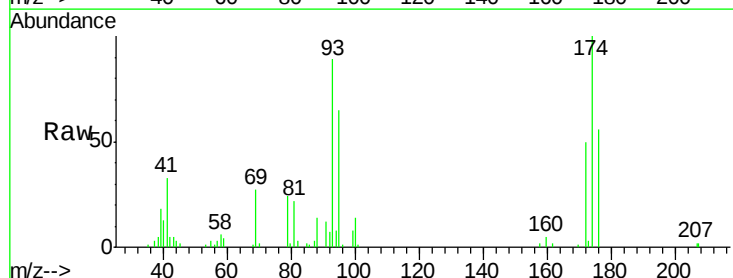
Manual Integrations
 APPROVED

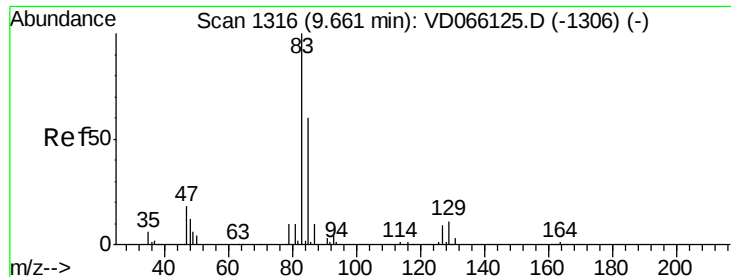
MMDadoda
 8/13/2020 4:21:01 PM



#46
 Dibromomethane
 Concen: 18.474 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Tgt Ion: 93 Resp: 26582
 Ion Ratio Lower Upper
 93 100
 95 86.5 65.8 98.6
 174 121.8 92.8 139.2





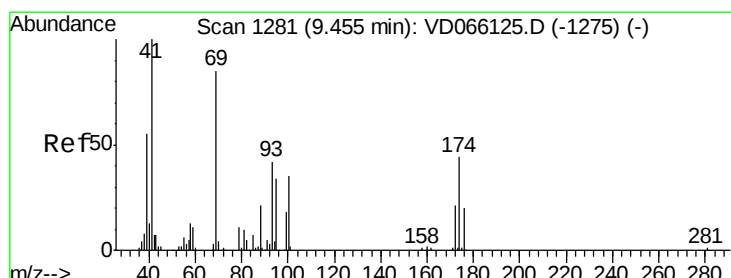
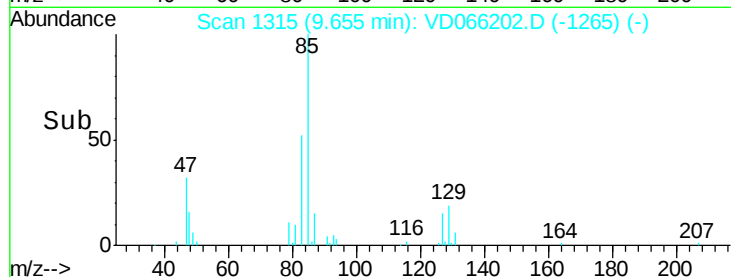
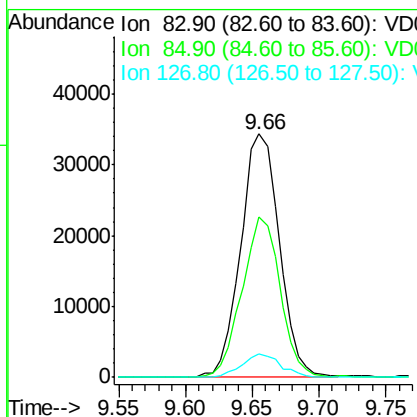
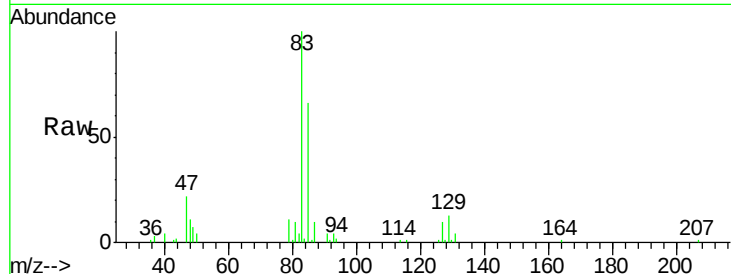
#47
Bromodichloromethane
Concen: 18.152 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	69034		
85	65.8	48.2	72.4	
127	9.7	7.3	10.9	

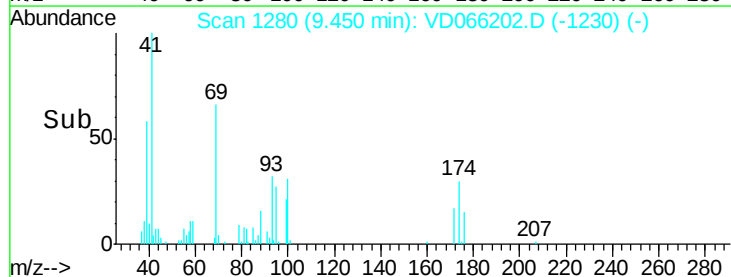
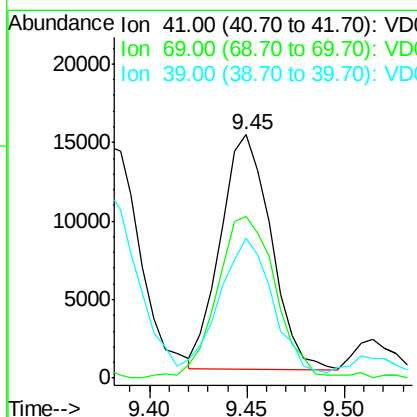
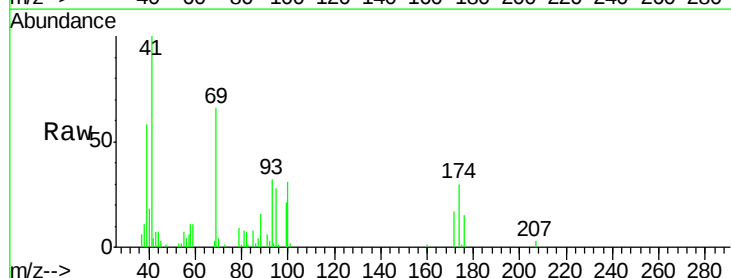
Manual Integrations
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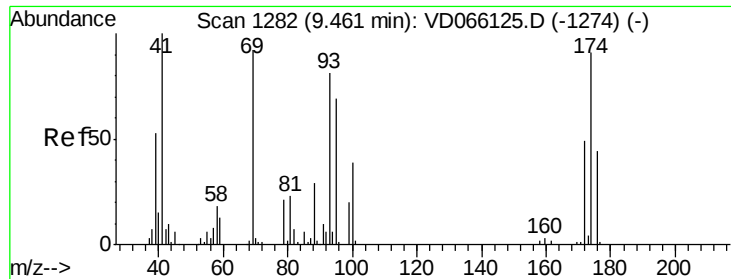
MMDadoda
8/13/2020 4:21:01 PM



#48
Methyl methacrylate
Concen: 17.451 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	26783		
69	79.5	63.9	95.9	
39	59.9	42.6	64.0	





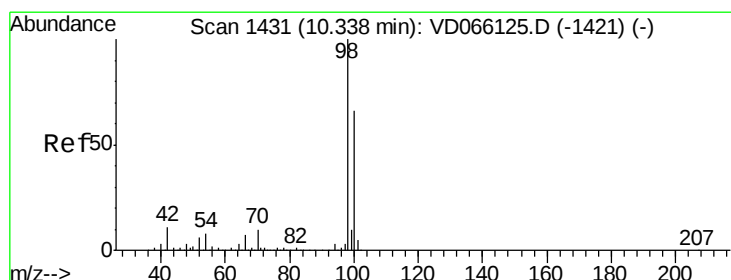
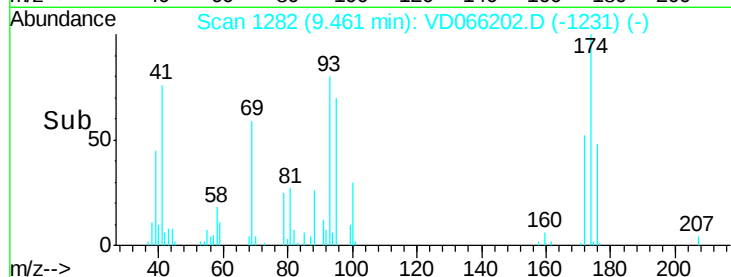
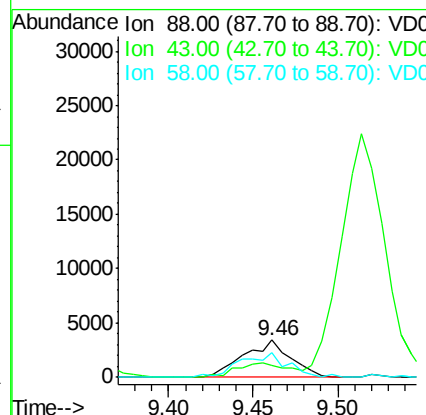
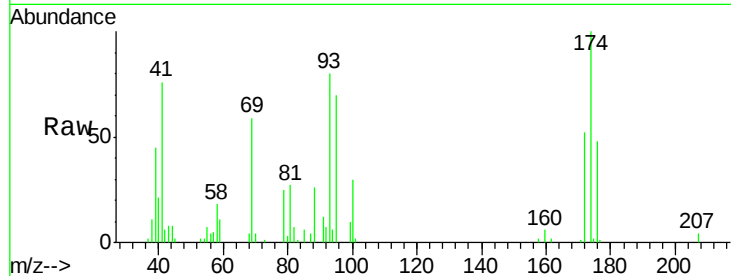
#49
 1,4-Dioxane
 Concen: 355.830 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.5	27.5	41.3#
58	68.5	50.2	75.4

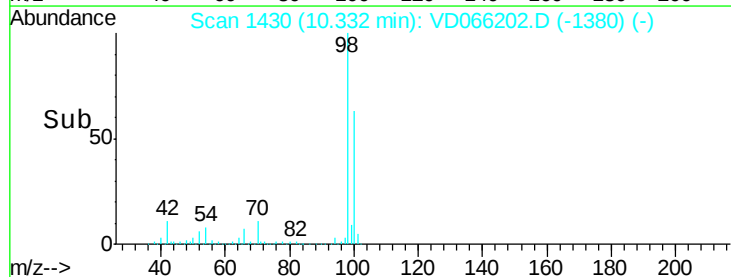
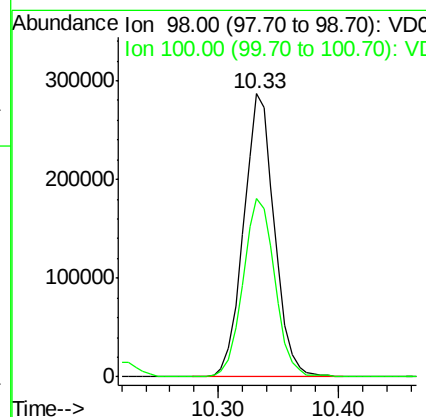
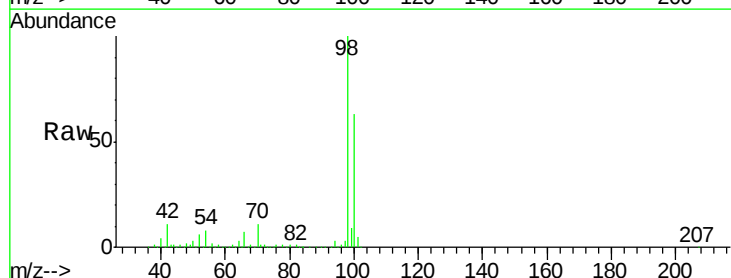
Manual Integrations
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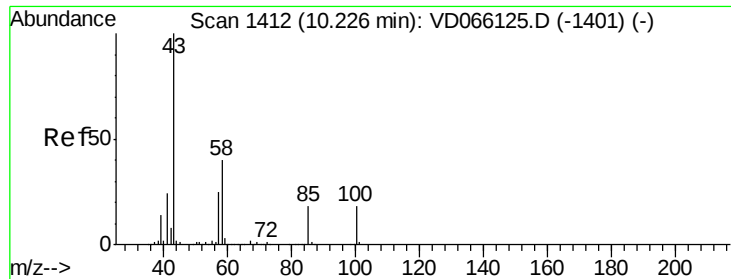
MMDadoda
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#50
 Toluene-d8
 Concen: 53.124 ug/l
 RT: 10.33 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 90.008 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion: 43 Resp: 138965

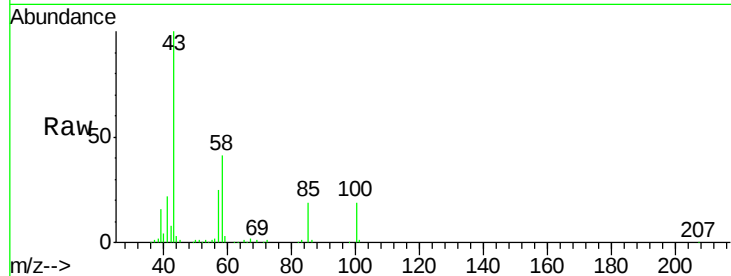
Ion Ratio Lower Upper

43 100

58 40.2 31.1 46.7

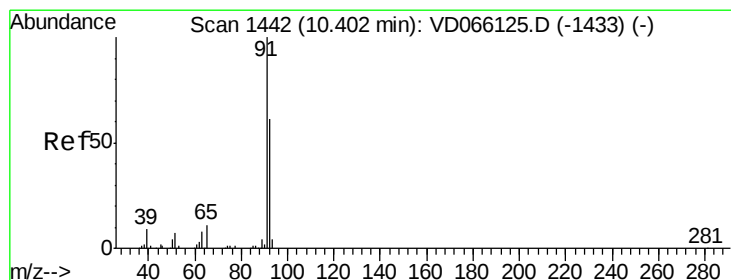
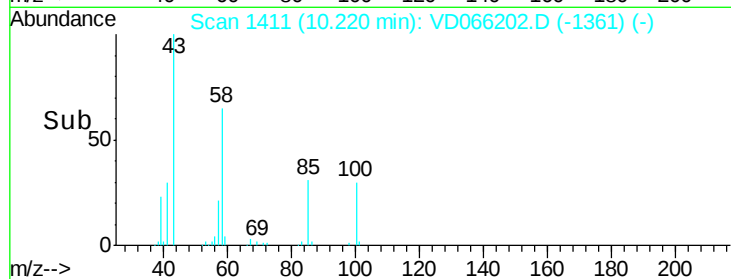
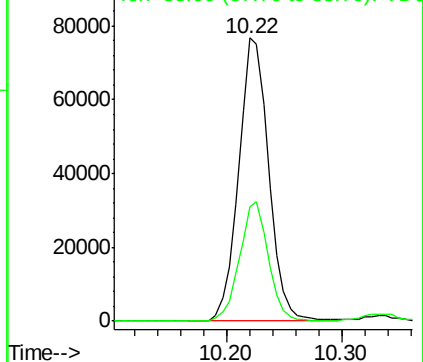
Manual Integrations
APPROVED

MMDadoda
8/13/2020 4:21:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 18.492 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066202.D

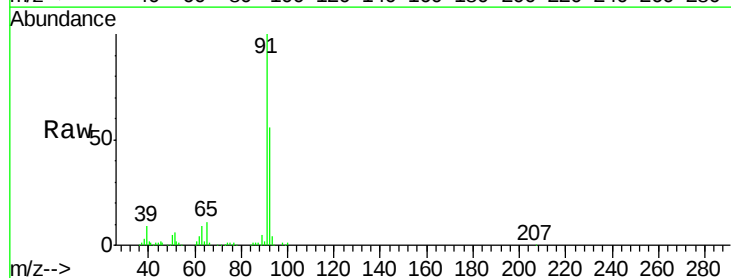
Acq: 12 Aug 2020 14:14

Tgt Ion: 92 Resp: 129964

Ion Ratio Lower Upper

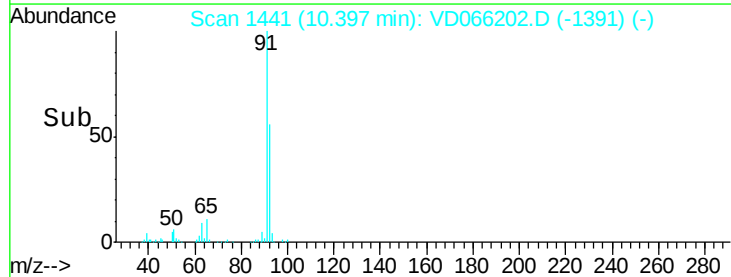
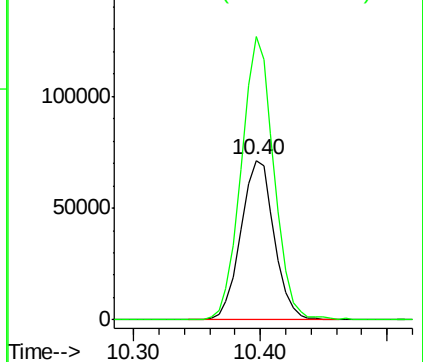
92 100

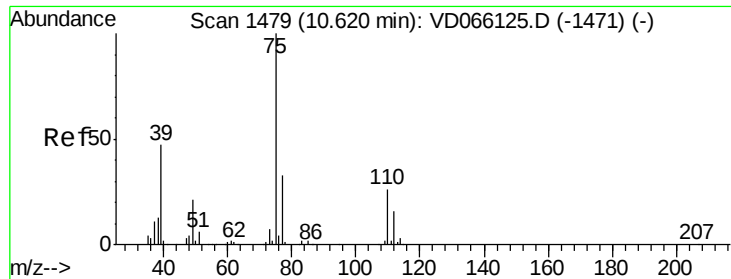
91 173.5 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





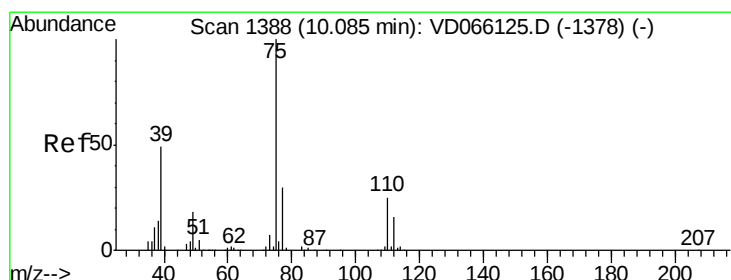
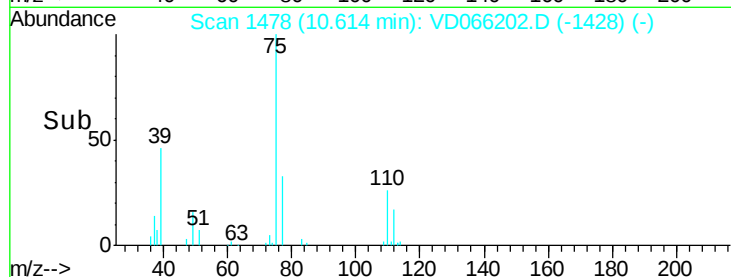
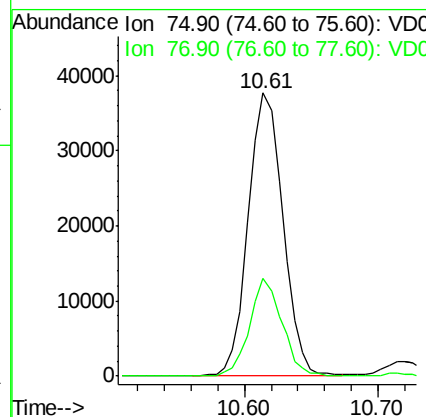
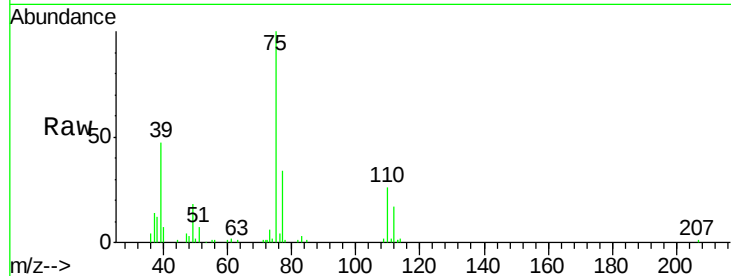
#53
 t-1,3-Dichloropropene
 Concen: 18.813 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.3	26.2	39.2

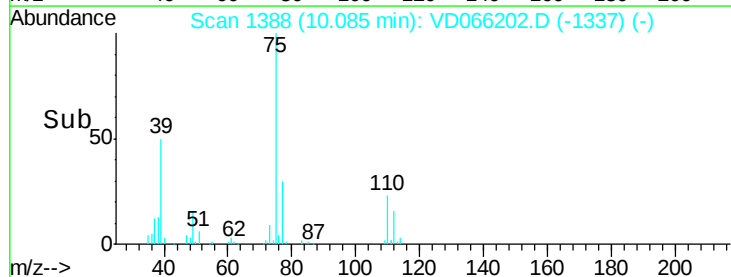
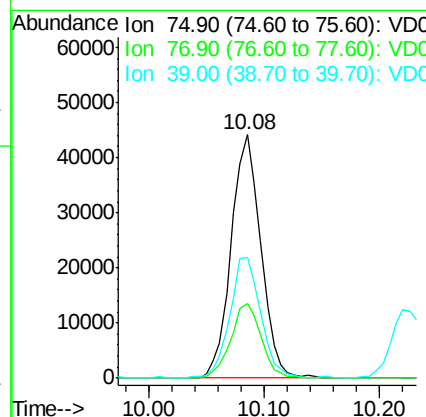
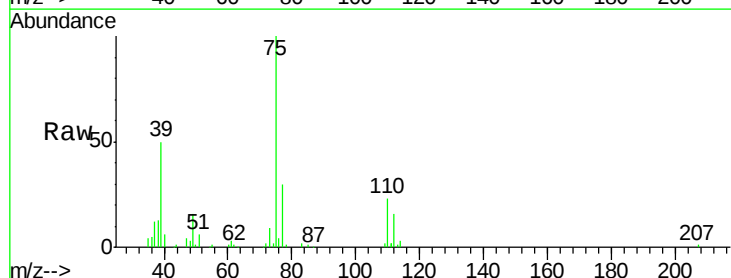
Manual Integrations
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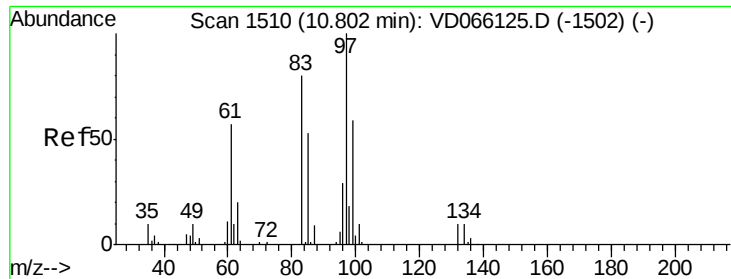
MMDadoda
 8/13/2020 4:21:01 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.684 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.3	36.5
39	49.6	39.3	58.9





#55

1,1,2-Trichloroethane

Concen: 18.251 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

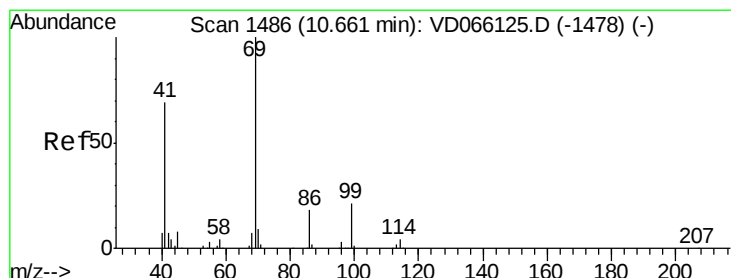
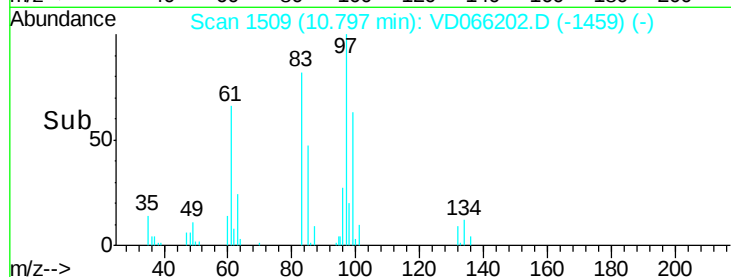
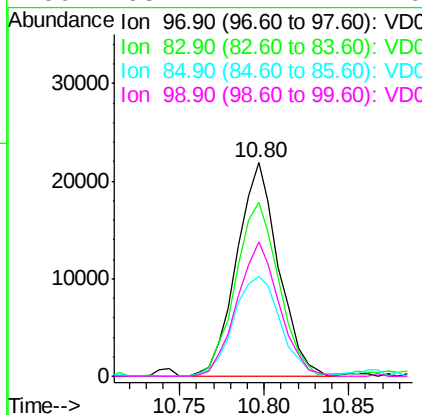
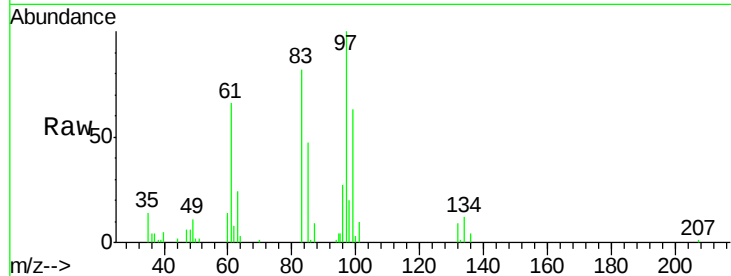
ClientSampleId :

VD0812SBS01

Tot Ion:	97	Resp:	37815
Ion	Ratio	Lower	Upper
97	100		
83	81.5	63.9	95.9
85	46.8	42.5	63.7
99	63.2	47.4	71.0

Manual Integrations
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8/13/2020 4:21:01 PM



#56

Ethyl methacrylate

Concen: 18.400 ug/l

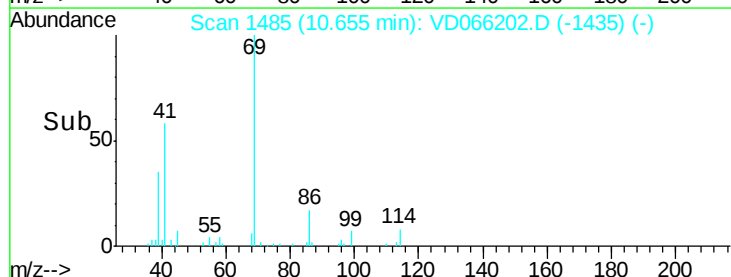
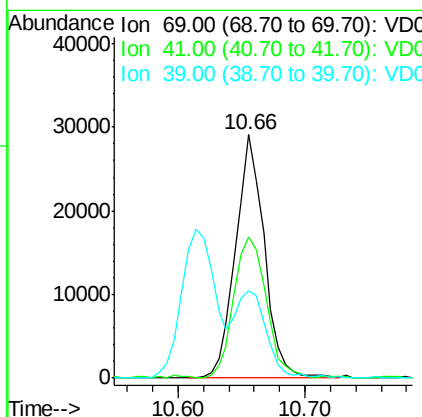
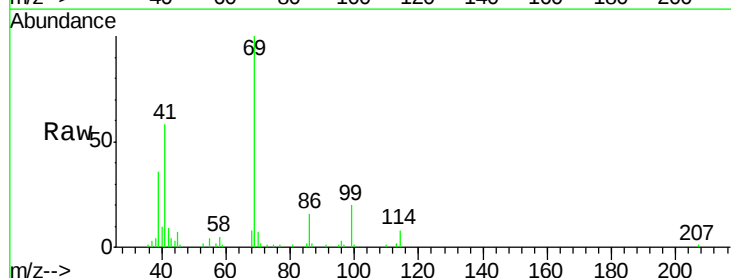
RT: 10.66 min Scan# 1485

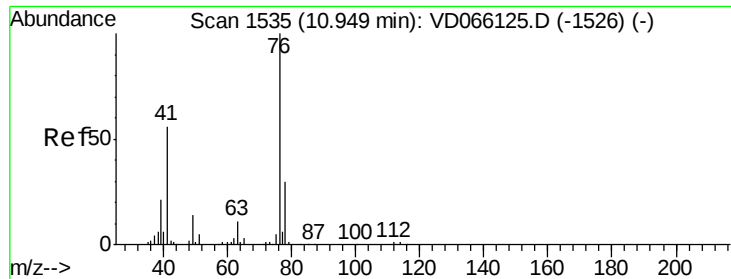
Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Tgt Ion:	69	Resp:	45797
Ion	Ratio	Lower	Upper
69	100		
41	65.7	54.1	81.1
39	39.6	28.6	43.0





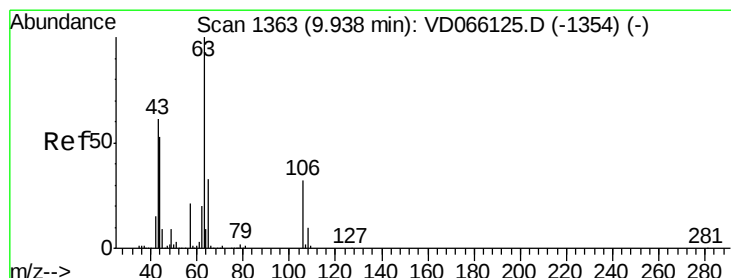
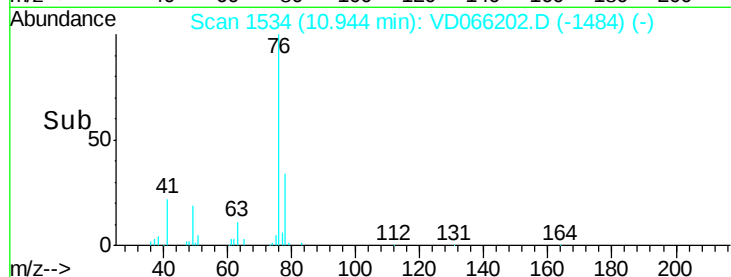
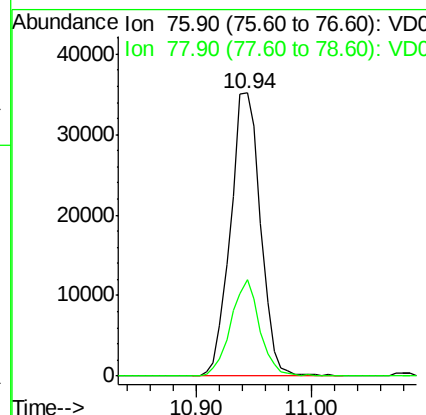
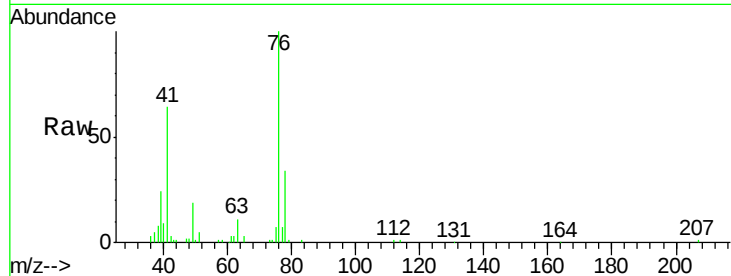
#57
 1,3-Dichloropropane
 Concen: 18.464 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

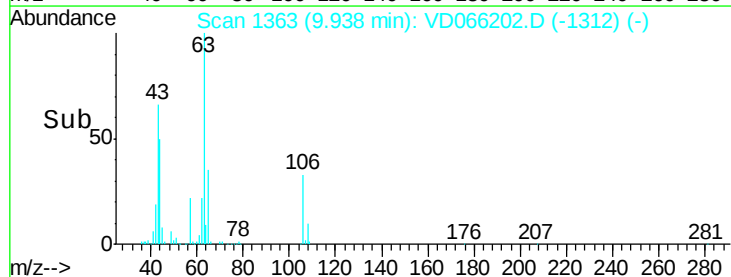
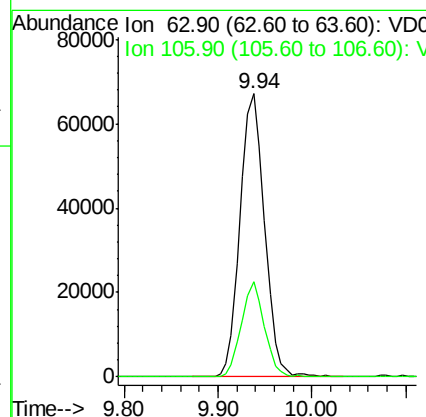
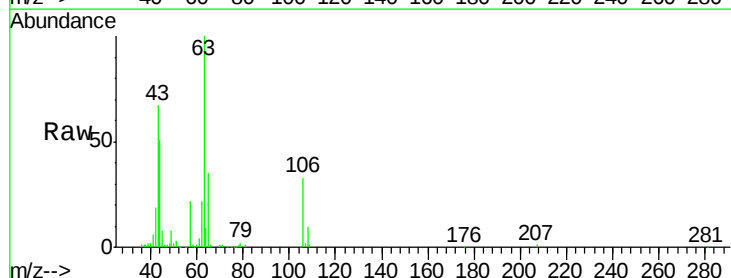
Manual Integrations
 APPROVED

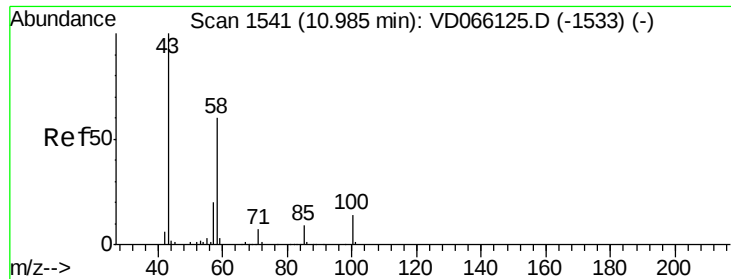
MMDadoda
 8/13/2020 4:21:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.578 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.7	25.3	37.9





#59

2-Hexanone

Concen: 89.739 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion: 43 Resp: 97237

Ion Ratio Lower Upper

43 100

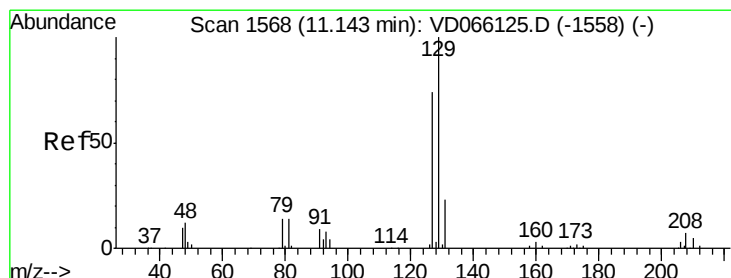
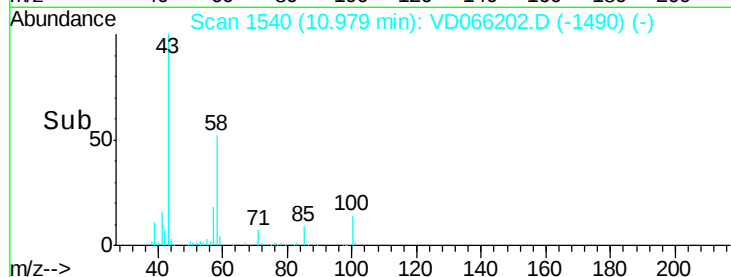
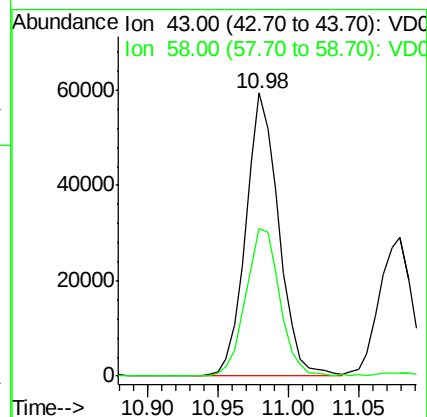
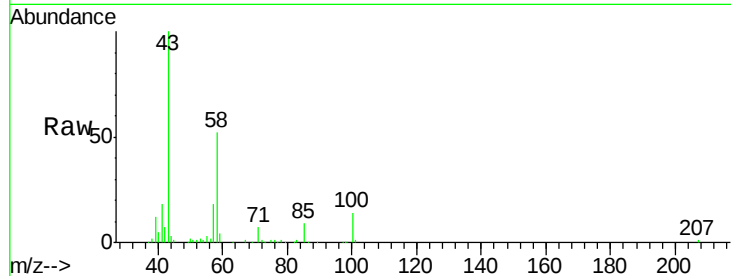
58 54.2 27.8 83.4

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#60

Dibromochloromethane

Concen: 18.947 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VD066202.D

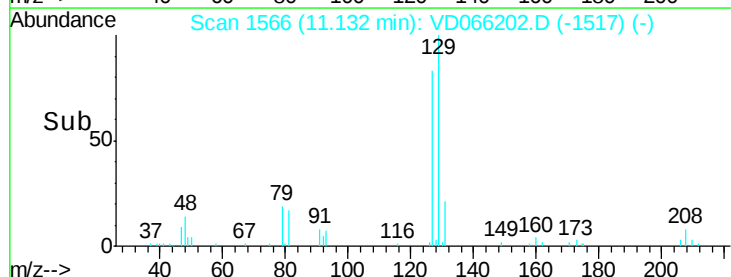
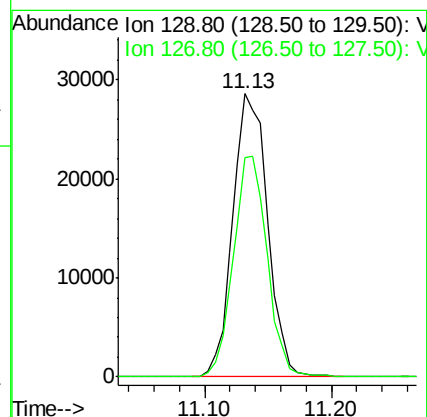
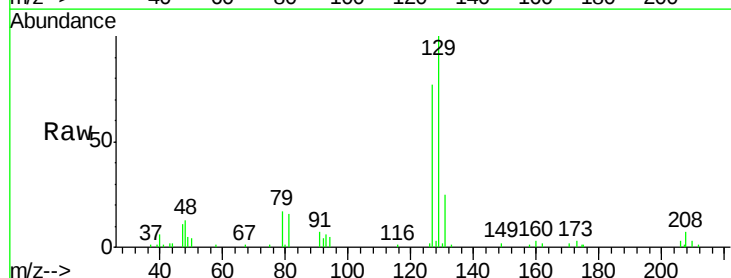
Acq: 12 Aug 2020 14:14

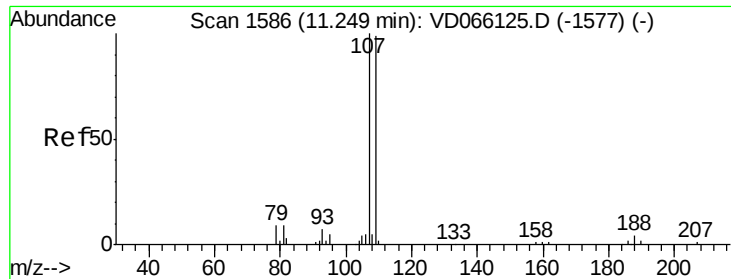
Tgt Ion: 129 Resp: 54197

Ion Ratio Lower Upper

129 100

127 75.7 38.0 114.1





#61

1,2-Dibromoethane

Concen: 18.893 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion: 107 Resp: 37647

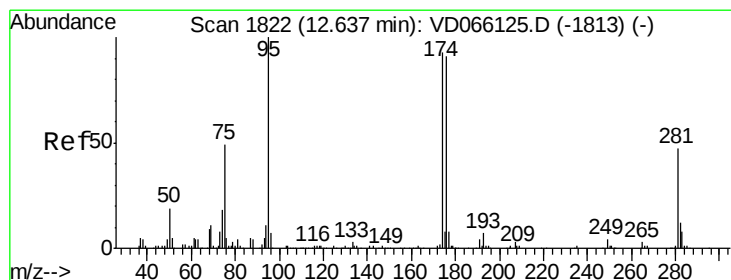
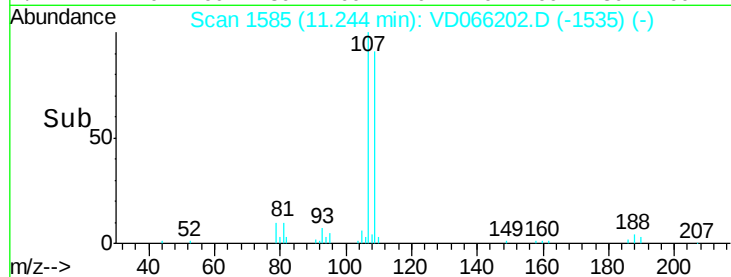
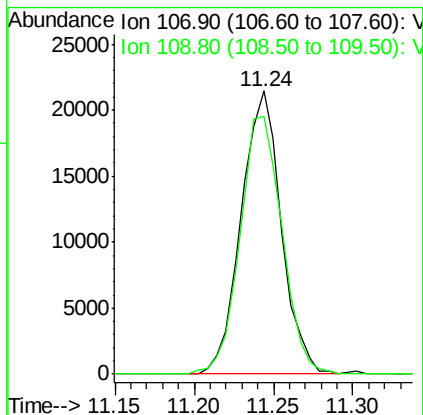
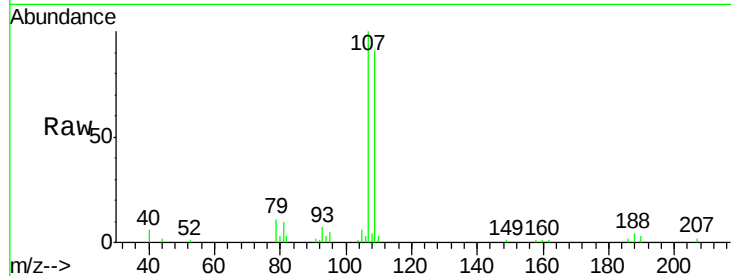
Ion Ratio Lower Upper

107 100

109 95.7 76.5 114.7

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#62

4-Bromofluorobenzene

Concen: 53.063 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

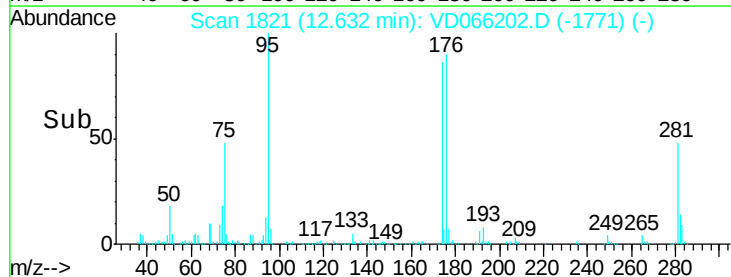
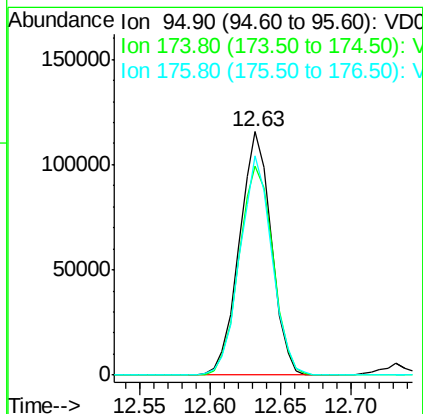
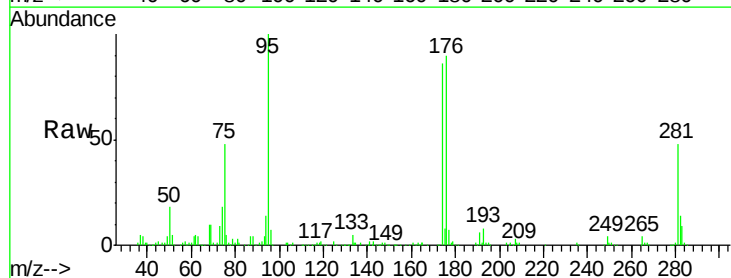
Tgt Ion: 95 Resp: 183210

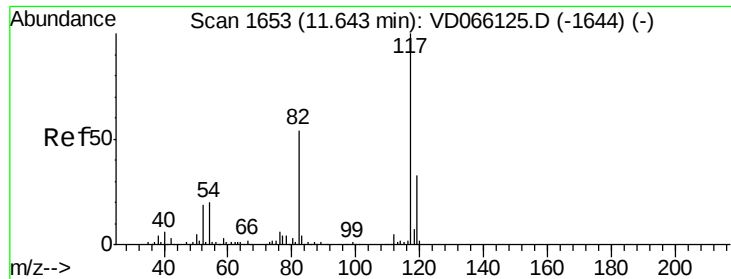
Ion Ratio Lower Upper

95 100

174 91.4 0.0 180.8

176 90.2 0.0 181.2





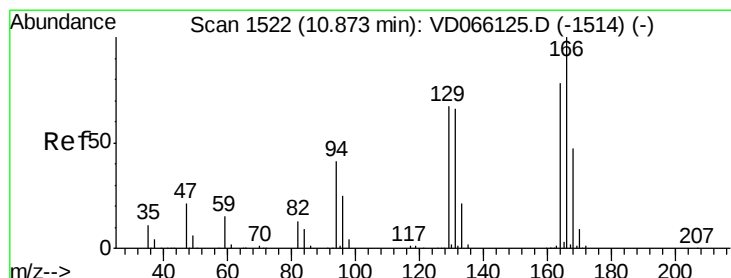
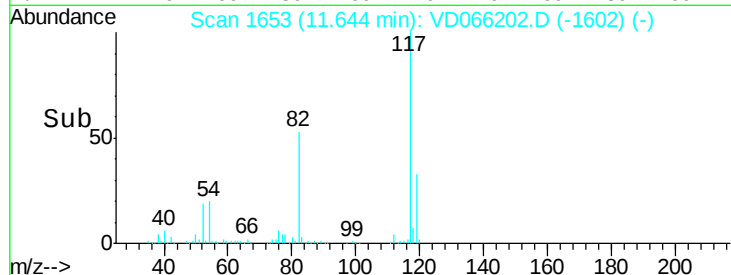
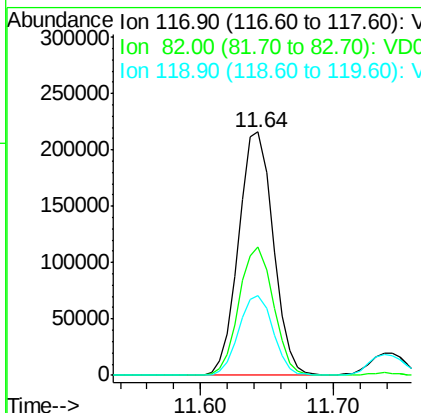
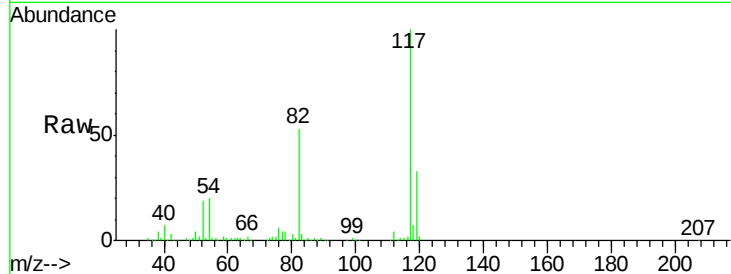
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	389384		
82	53.0	43.0	64.4	
119	32.9	26.1	39.1	

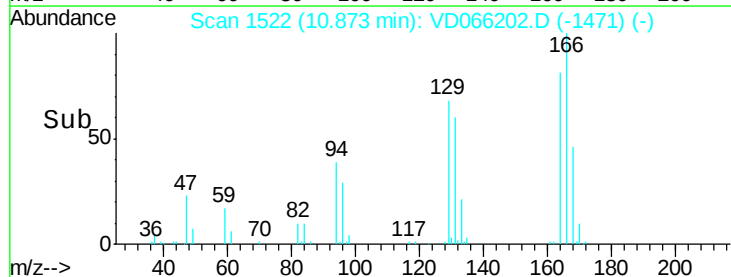
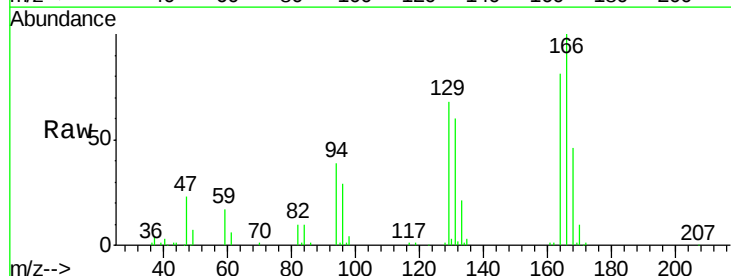
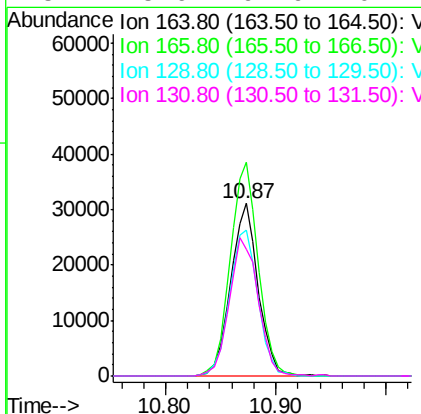
Manual Integrations
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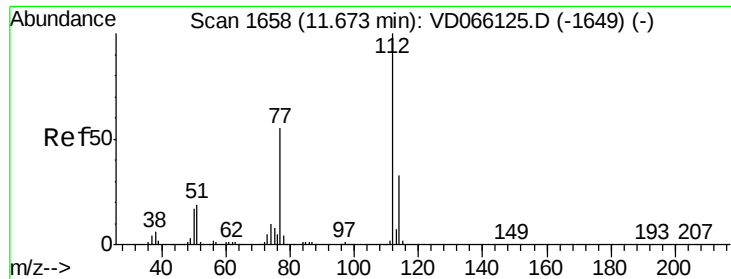
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#64
Tetrachloroethene
Concen: 18.132 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54215		
166	123.7	101.9	152.9	
129	84.5	68.1	102.1	
131	73.6	67.6	101.4	





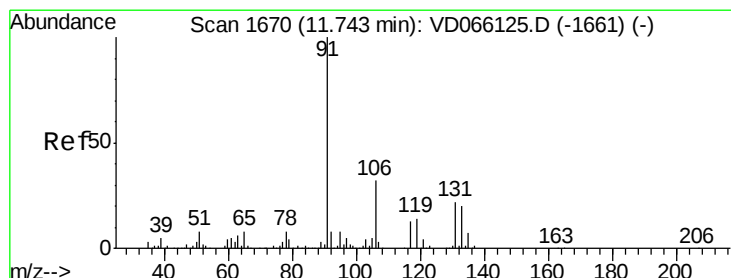
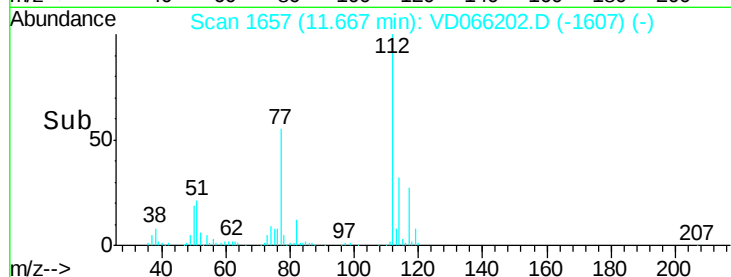
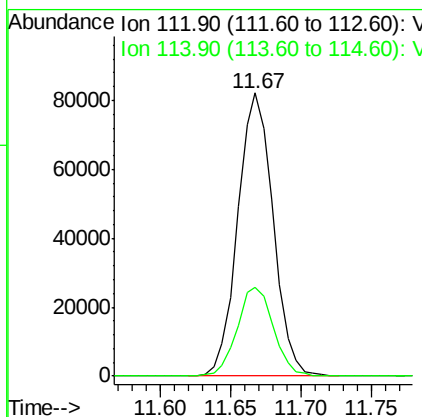
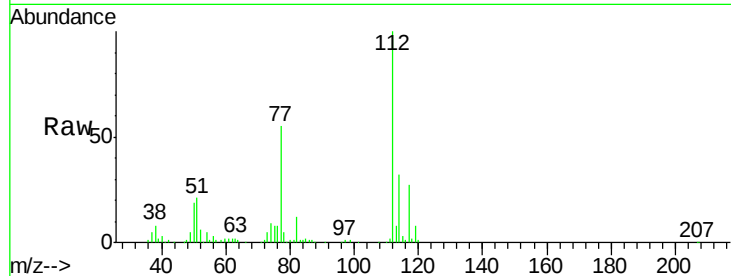
#65
Chlorobenzene
Concen: 18.185 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.1	39.1

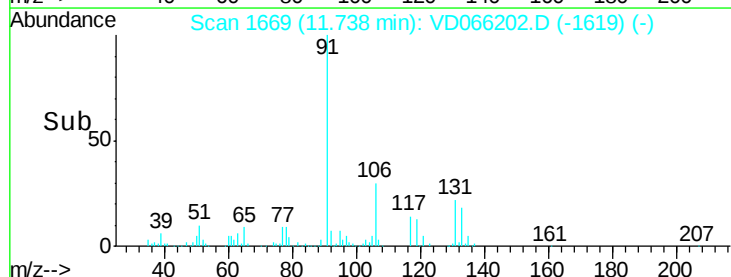
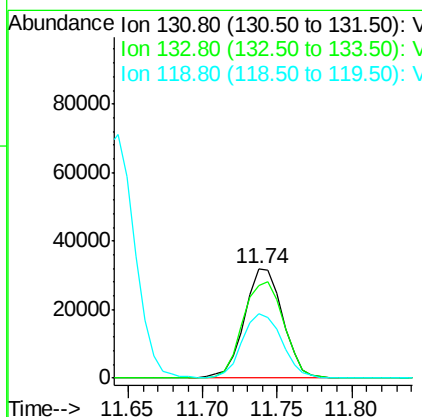
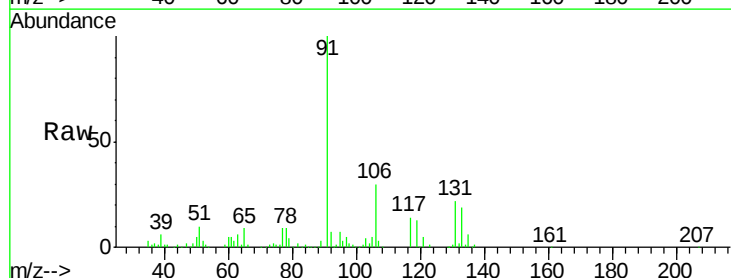
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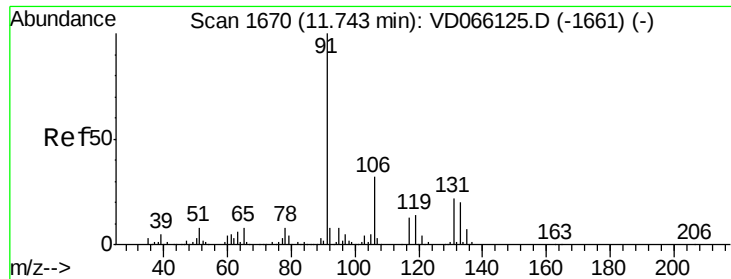
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.439 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.1	141.4
119	61.0	31.6	94.7





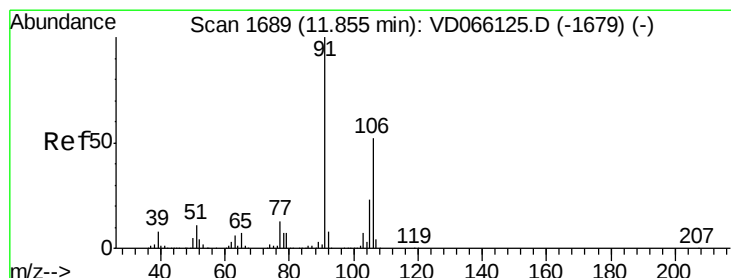
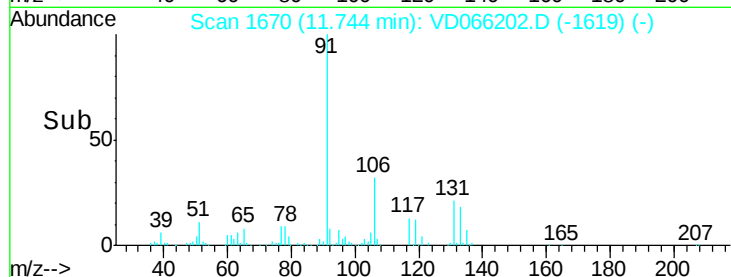
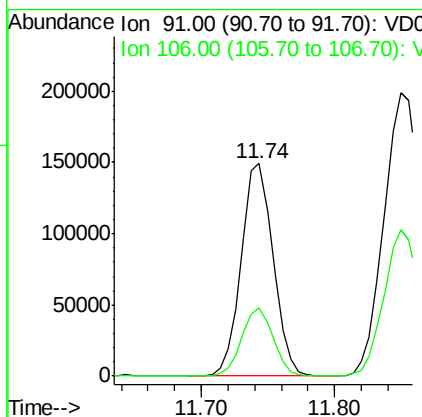
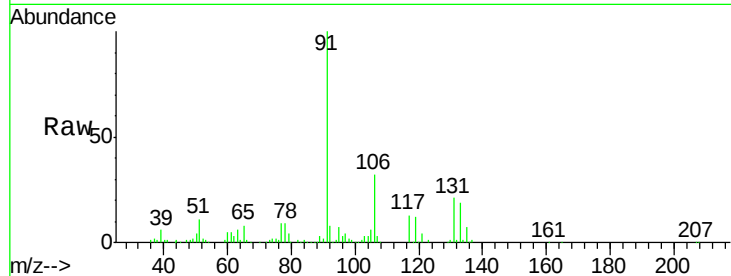
#67
Ethyl Benzene
Concen: 18.048 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion: 91 Resp: 247220
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5

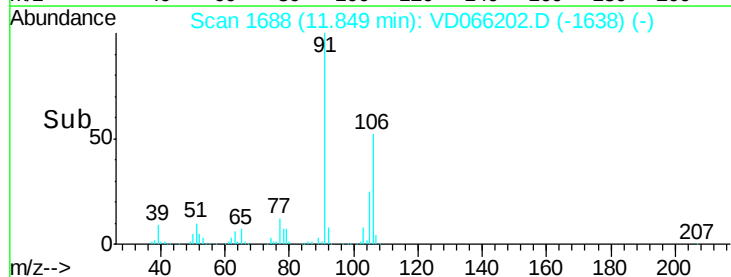
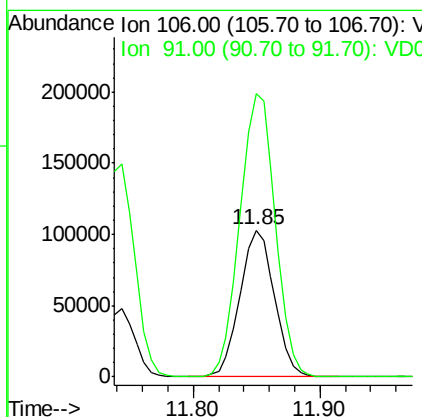
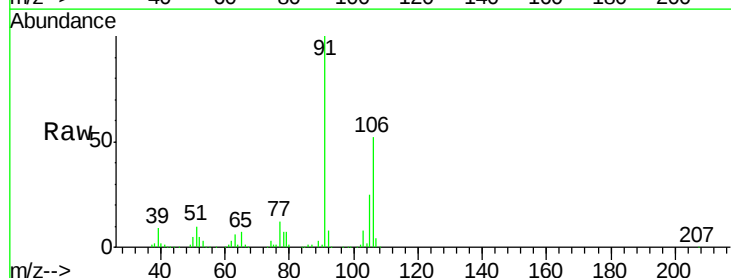
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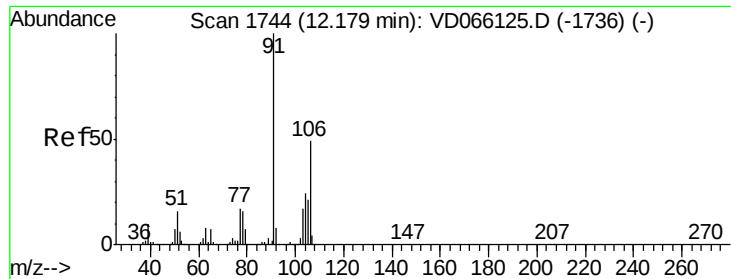
MMDadoda
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#68
m/p-Xylenes
Concen: 36.692 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion: 106 Resp: 194732
Ion Ratio Lower Upper
106 100
91 198.3 156.6 235.0





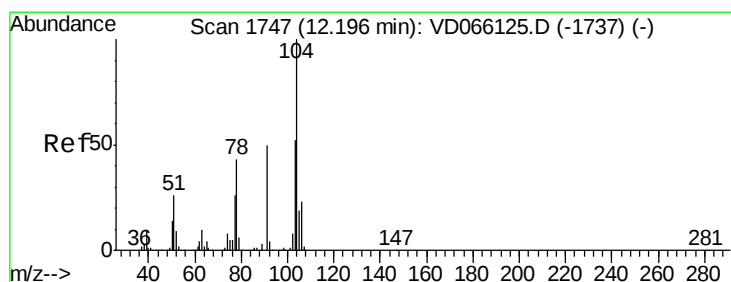
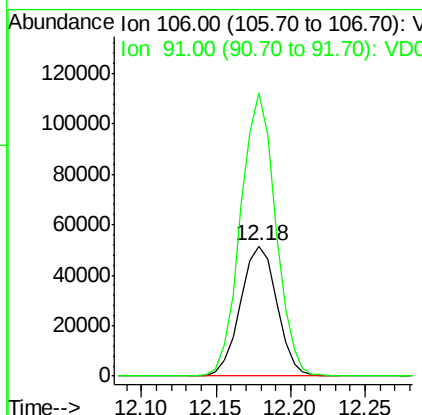
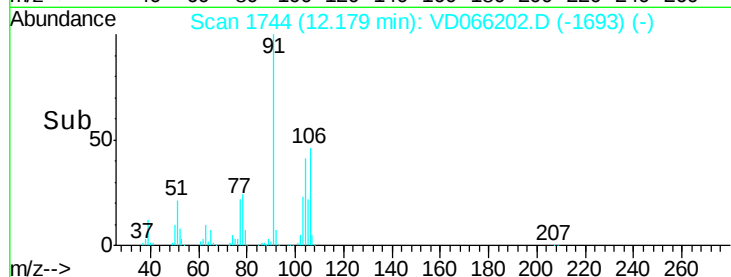
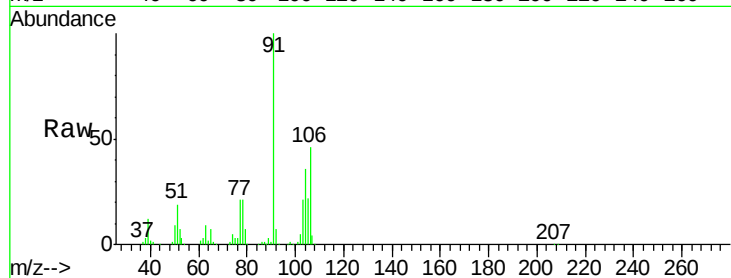
#69
o-Xylene
Concen: 18.094 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion:106 Resp: 87355
Ion Ratio Lower Upper
106 100
91 209.4 105.7 317.1

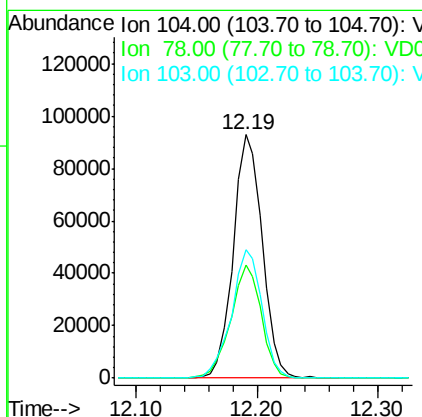
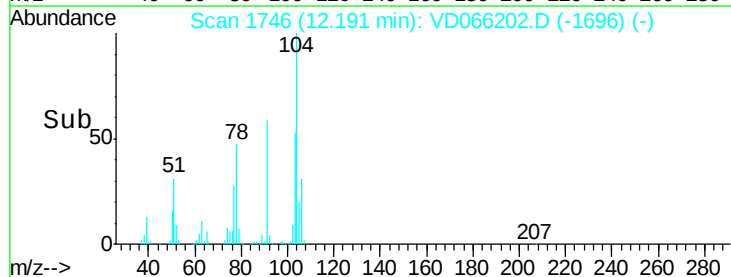
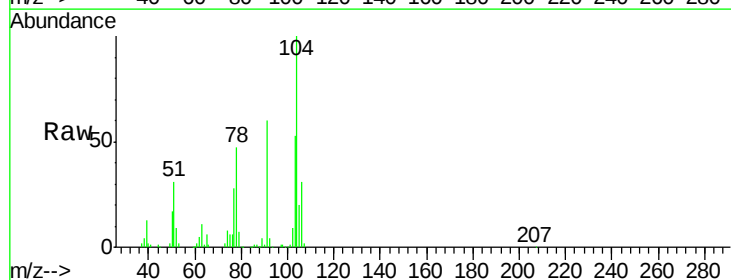
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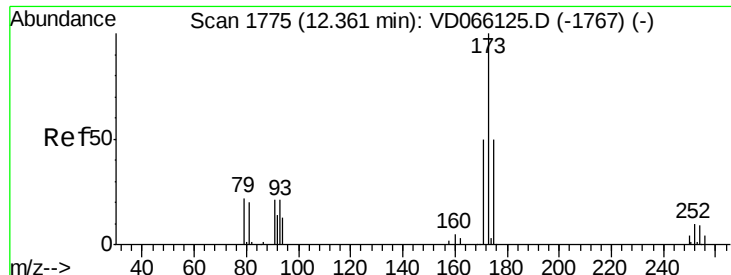
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#70
Styrene
Concen: 18.407 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion:104 Resp: 155735
Ion Ratio Lower Upper
104 100
78 48.8 38.6 58.0
103 55.3 44.1 66.1





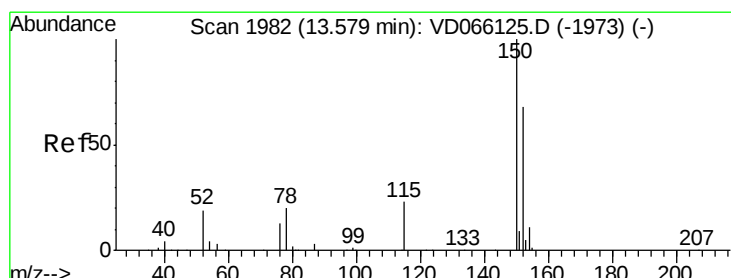
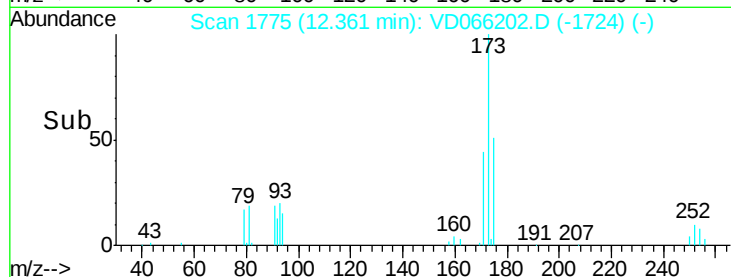
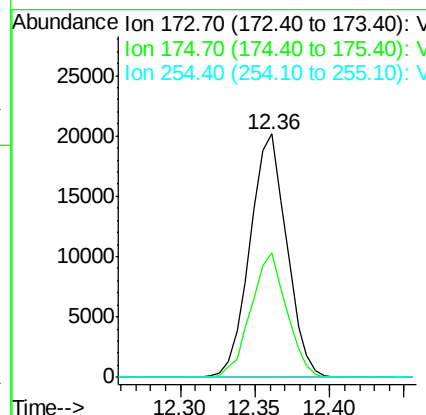
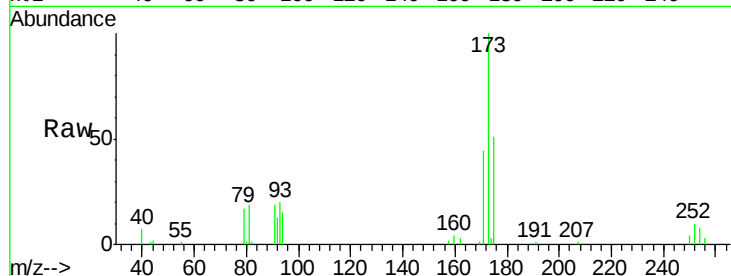
#71
Bromoform
Concen: 18.768 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.6	73.6
254	0.0	0.2	0.2

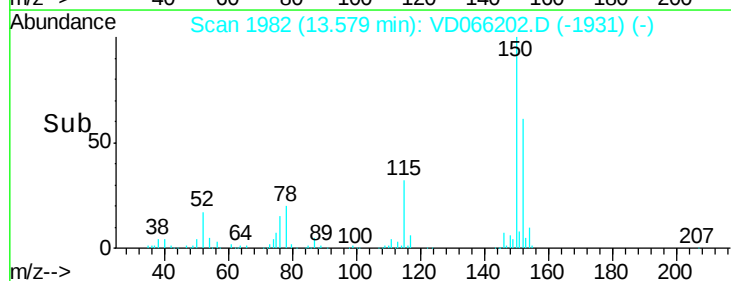
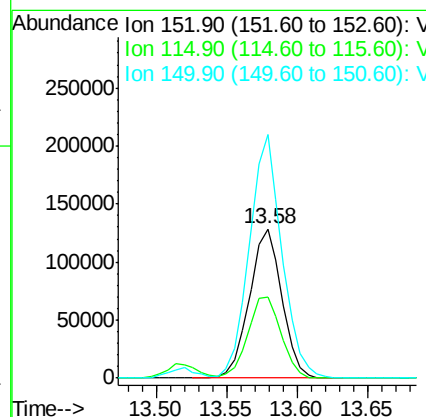
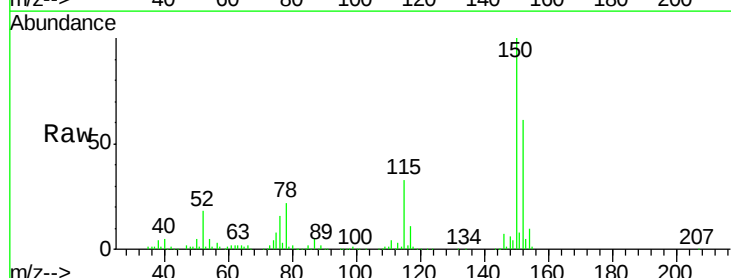
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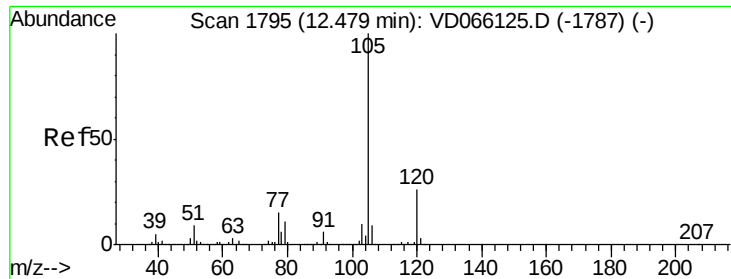
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.0	83.9
150	163.8	0.0	346.4





#73

Isopropylbenzene

Concen: 17.958 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion: 105 Resp: 248120

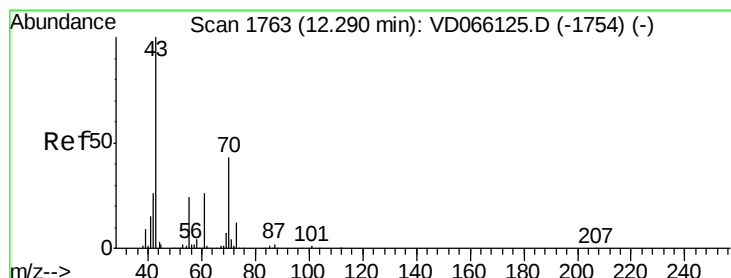
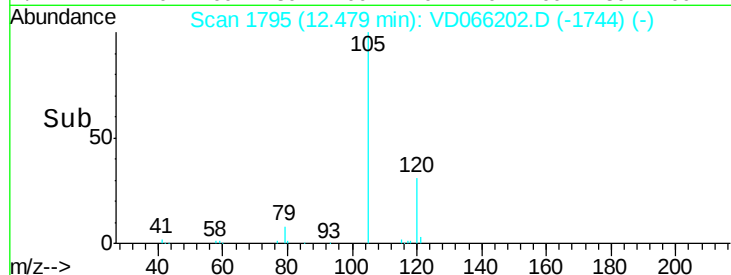
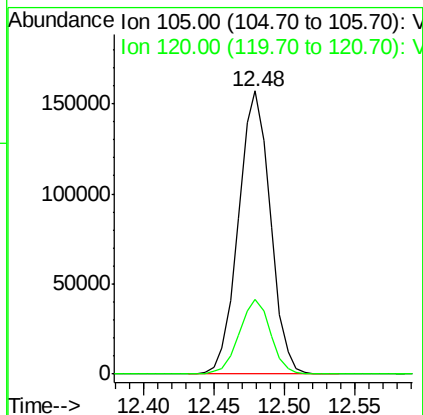
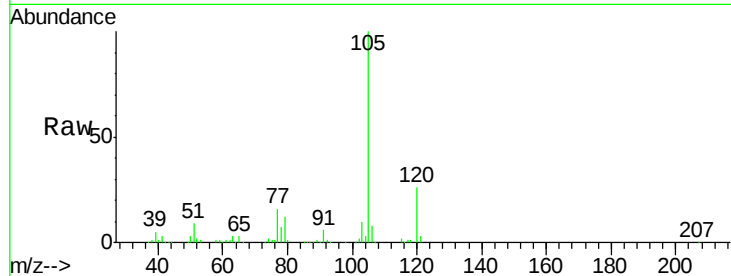
Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.9

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#74

N-ethyl acetate

Concen: 17.239 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Tgt Ion: 43 Resp: 52450

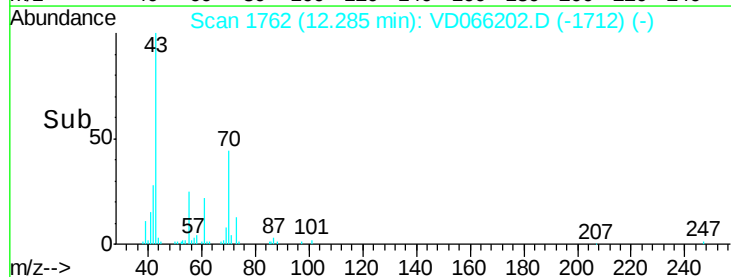
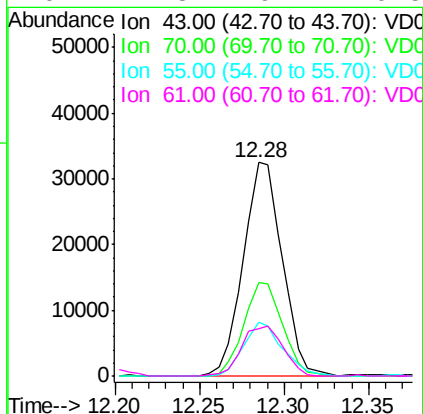
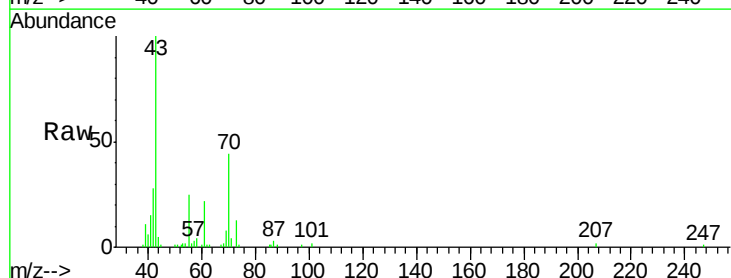
Ion Ratio Lower Upper

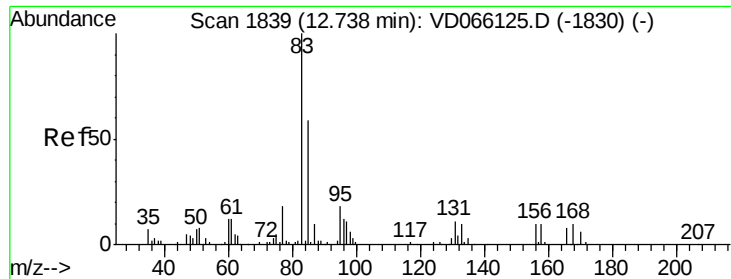
43 100

70 43.3 34.9 52.3

55 25.2 19.2 28.8

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.397 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

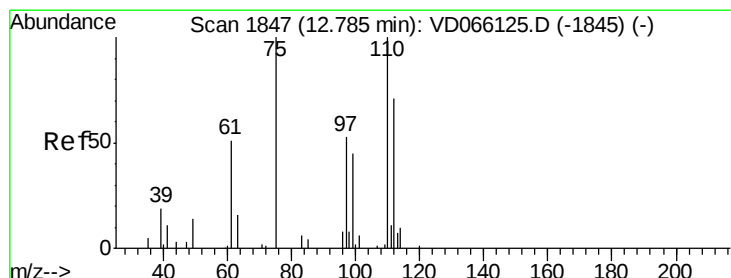
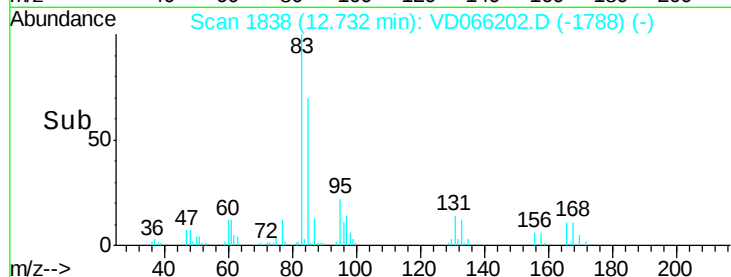
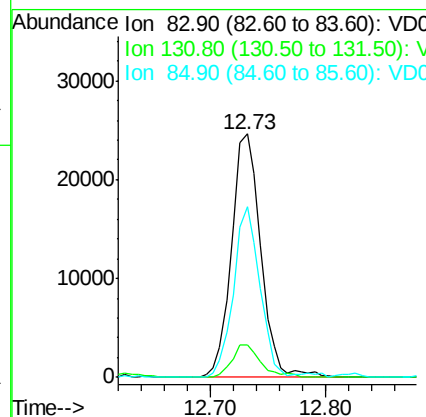
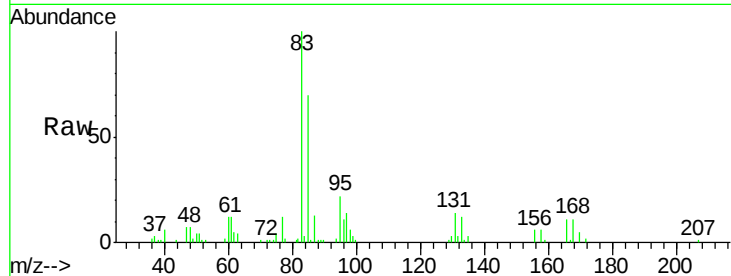
ClientSampleId :

VD0812SBS01

Tot Ion:	83	Resp:	43343
Ion Ratio	Lower	Upper	
83	100		
131	13.2	6.2	18.6
85	63.1	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 15.471 ug/l m

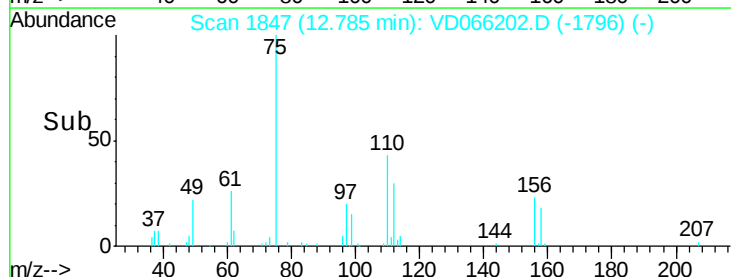
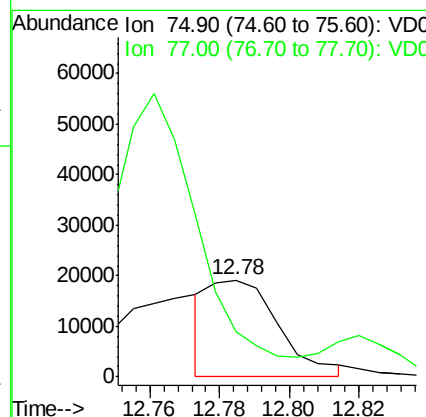
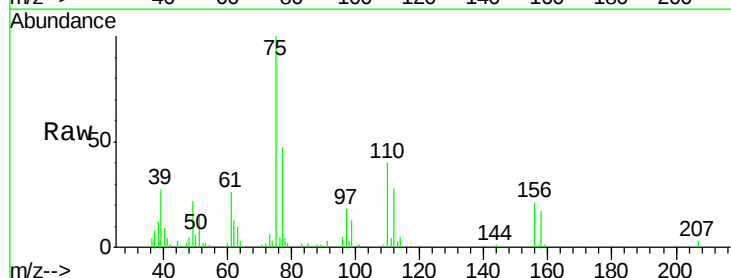
RT: 12.78 min Scan# 1847

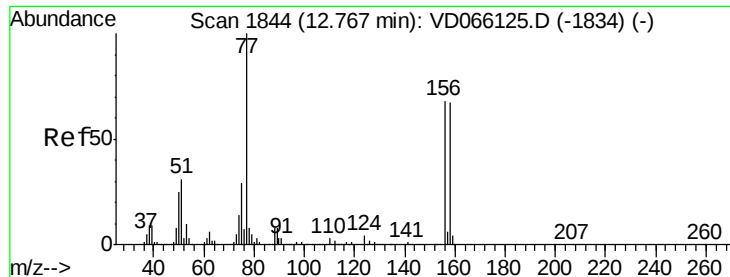
Delta R.T. 0.00 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Tgt Ion:	75	Resp:	26704
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.388 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion:156 Resp: 65398

Ion Ratio Lower Upper

156 100

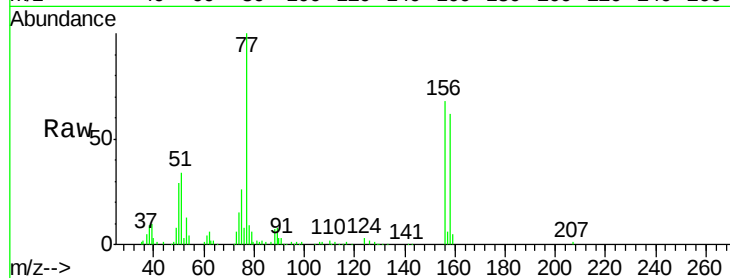
77 156.4 81.0 243.1

158 91.1 48.8 146.3

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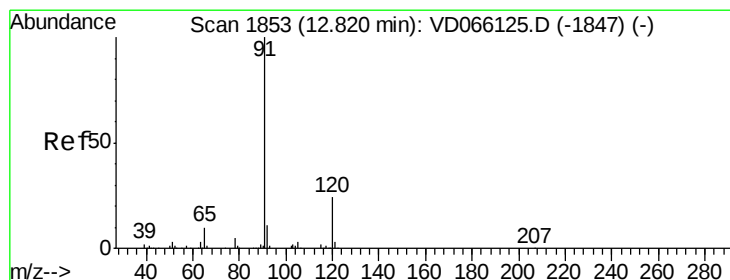
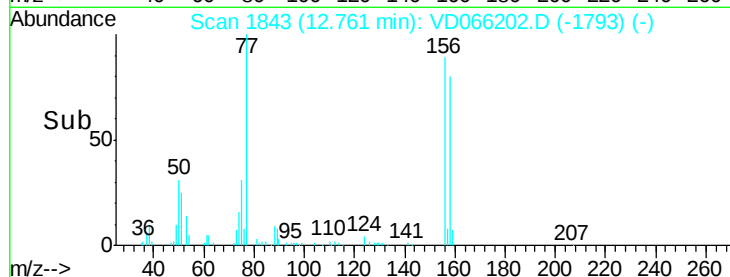
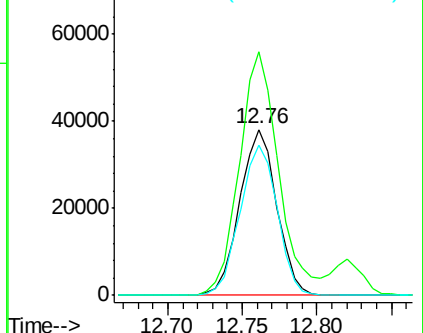
8/13/2020 4:21:01 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.665 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066202.D

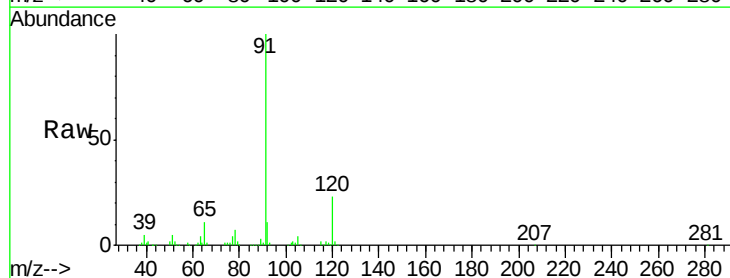
Acq: 12 Aug 2020 14:14

Tgt Ion: 91 Resp: 283716

Ion Ratio Lower Upper

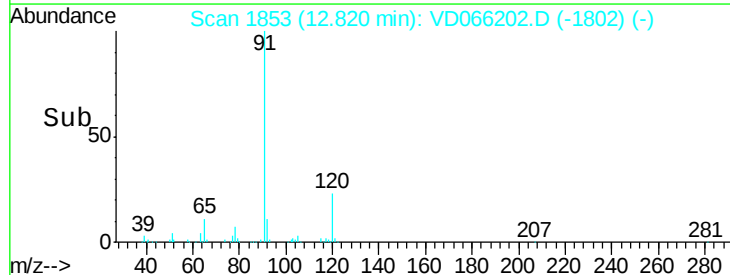
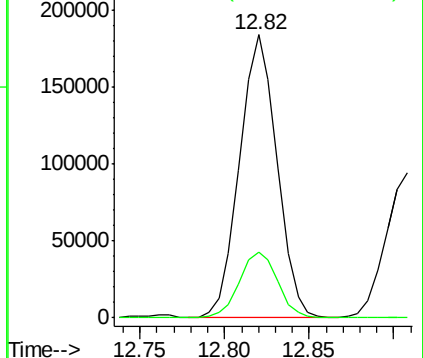
91 100

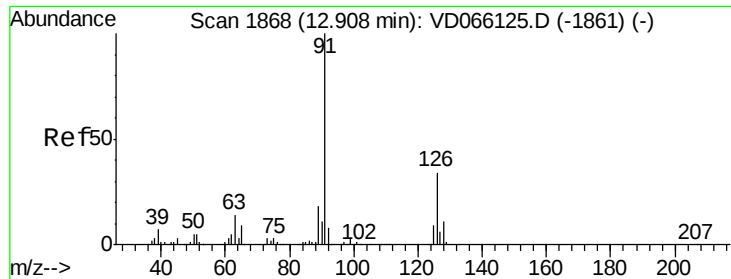
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.414 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion: 91 Resp: 159961

Ion Ratio Lower Upper

91 100

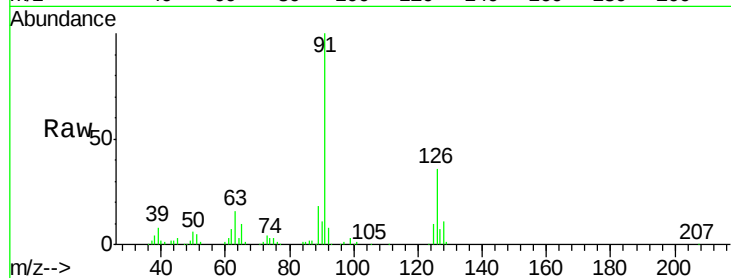
126 36.4 17.5 52.6

Manual Integrations

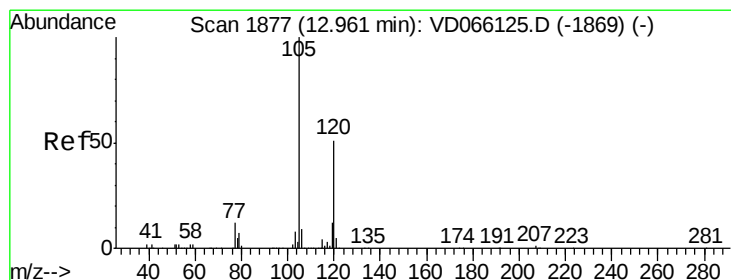
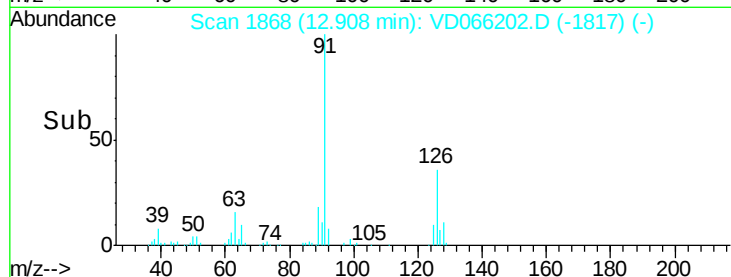
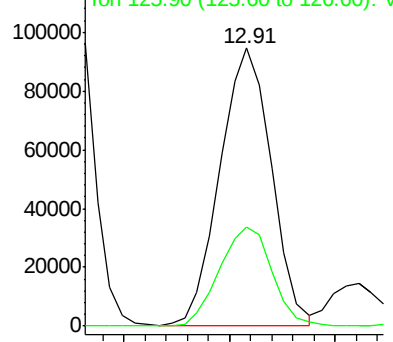
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Abundance Ion 91.00 (90.70 to 91.70): VD066202.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.388 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066202.D

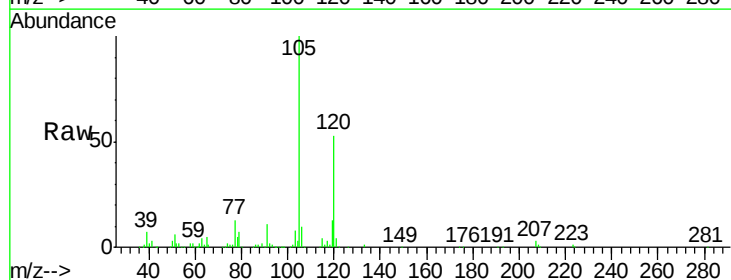
Acq: 12 Aug 2020 14:14

Tgt Ion: 105 Resp: 212473

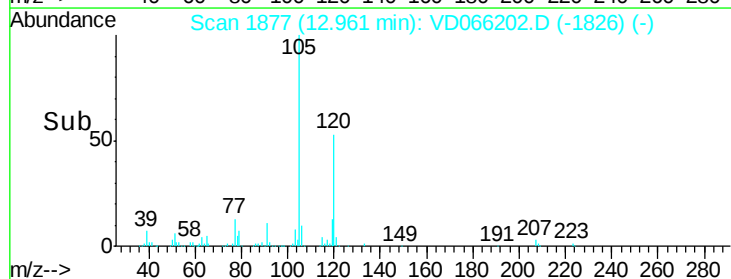
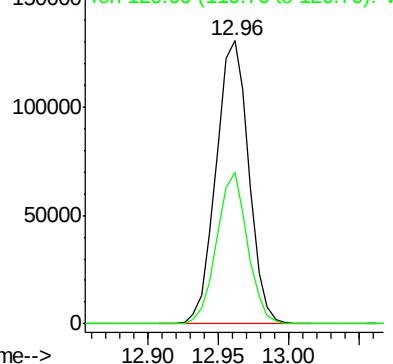
Ion Ratio Lower Upper

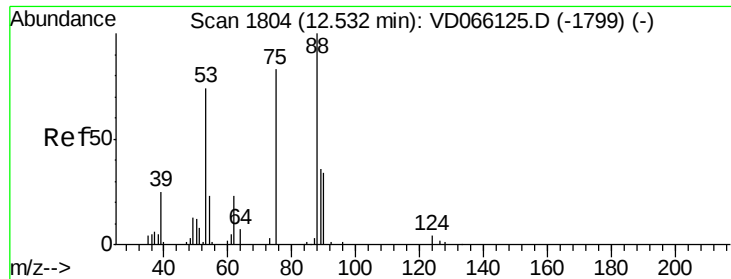
105 100

120 50.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066202.D (-1826) (-)





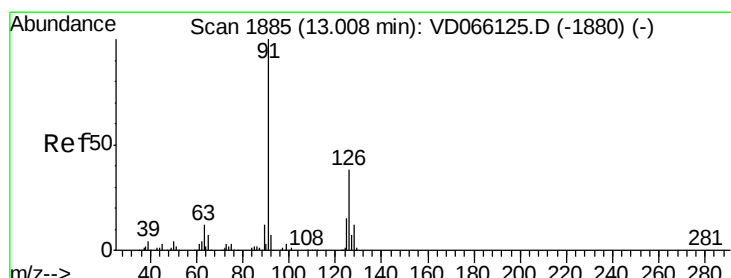
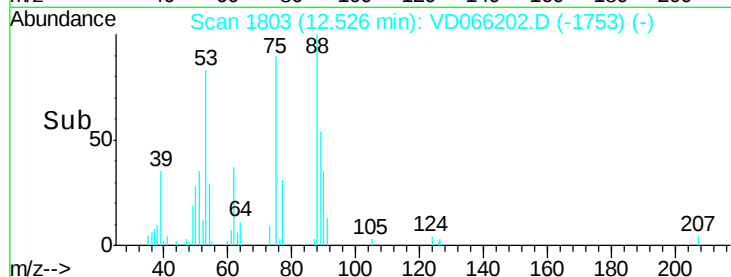
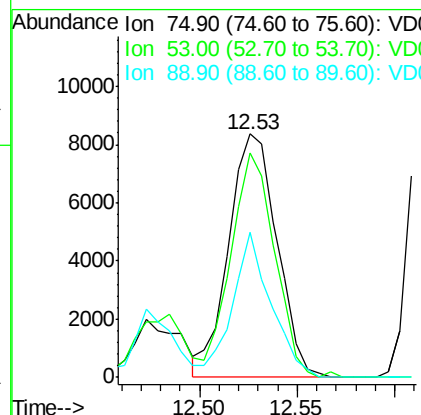
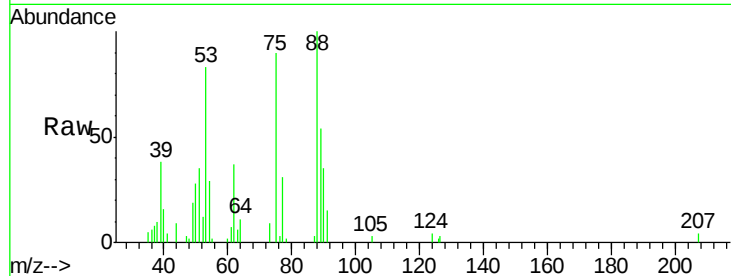
#81
trans-1,4-Dichloro-2-butene
Concen: 18.414 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.7	73.4	110.2
89	47.7	36.6	55.0

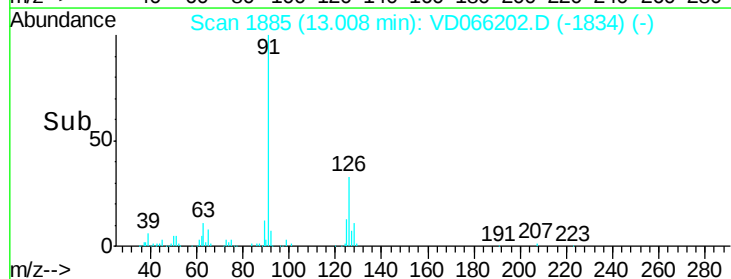
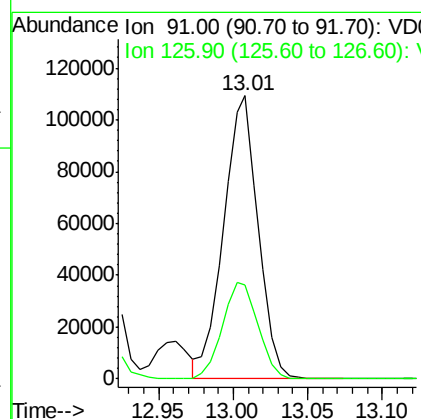
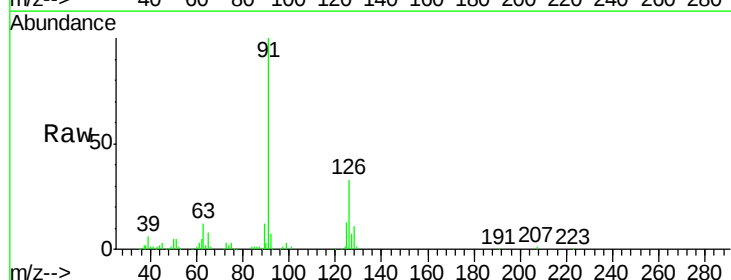
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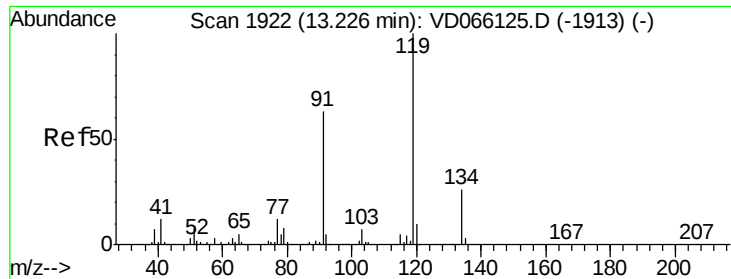
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.232 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.3





#83

tert-Butylbenzene

Concen: 17.199 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

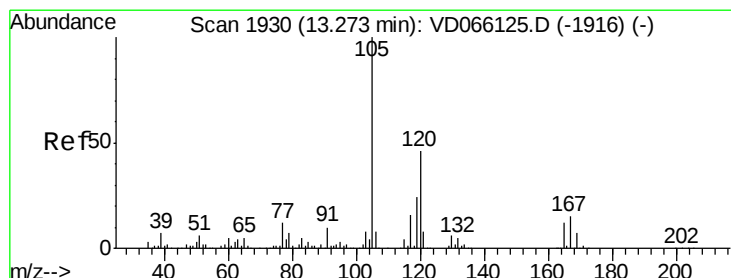
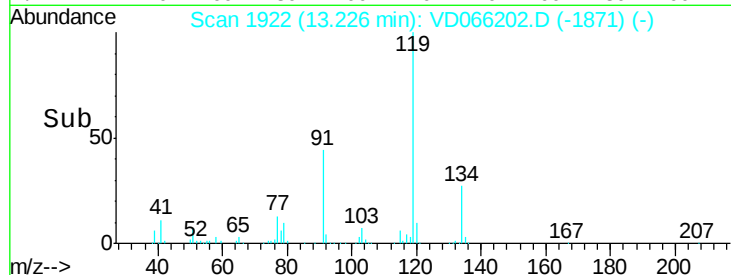
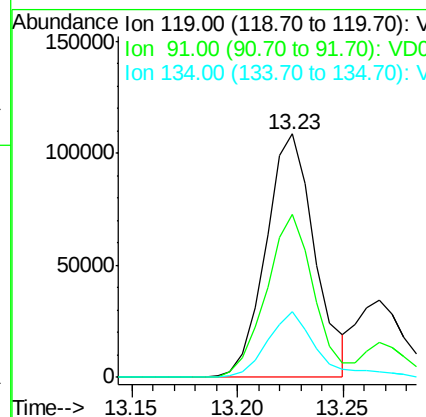
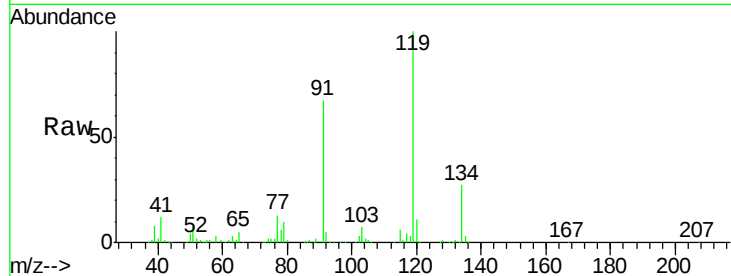
ClientSampleId :

VD0812SBS01

Tot Ion:	119	Resp:	174771
Ion Ratio	Lower	Upper	
119	100		
91	65.9	30.8	92.4
134	28.0	13.6	40.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.166 ug/l

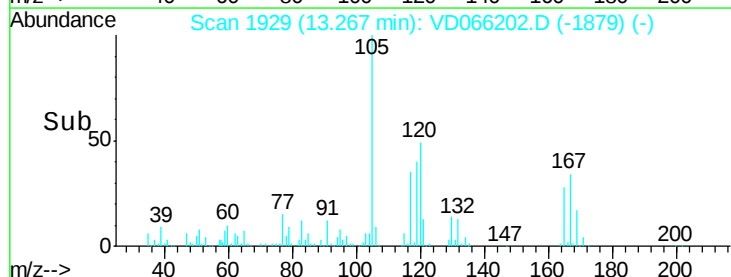
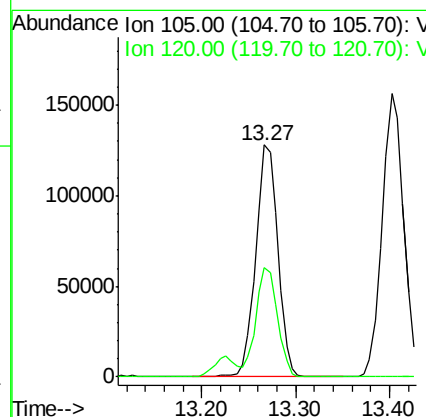
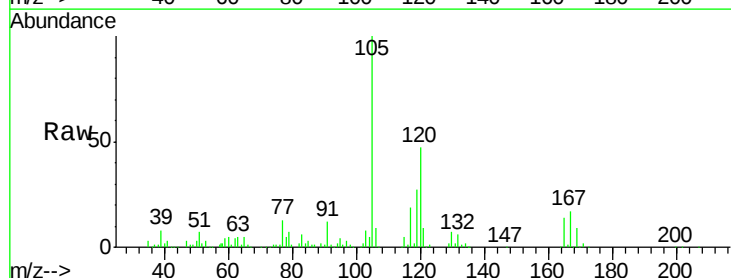
RT: 13.27 min Scan# 1929

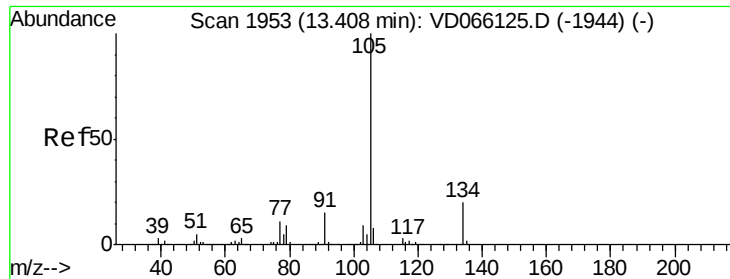
Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Tgt Ion:	105	Resp:	210063
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 17.985 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion:105 Resp: 246739

Ion Ratio Lower Upper

105 100

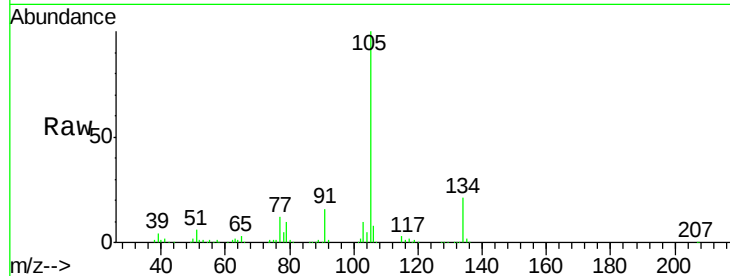
134 20.7 10.4 31.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

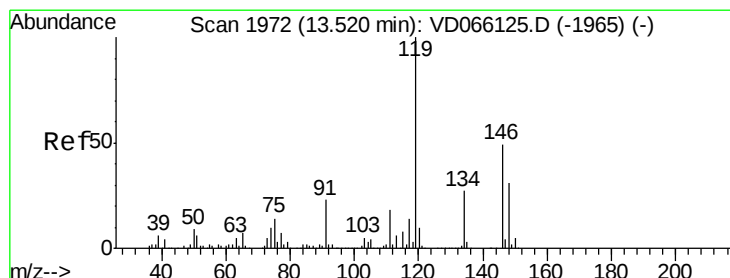
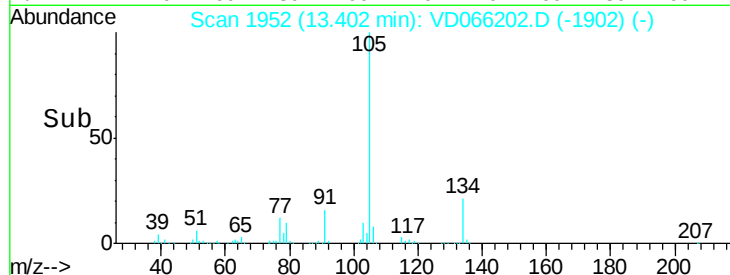
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.093 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066202.D

Acq: 12 Aug 2020 14:14

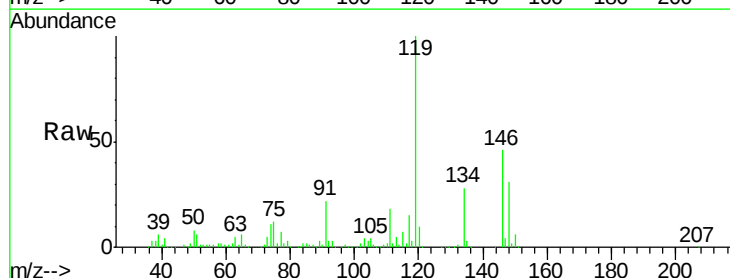
Tgt Ion:119 Resp: 232816

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 23.7 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

200000

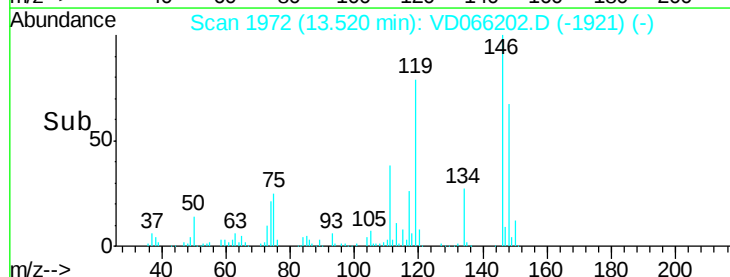
150000

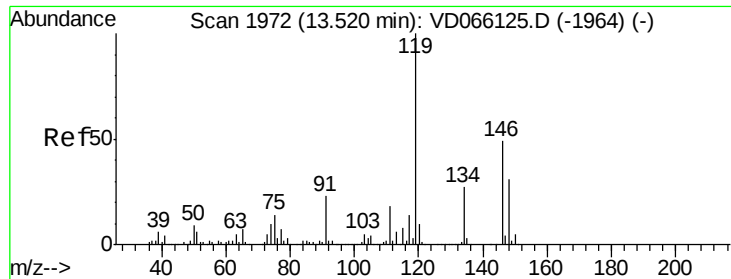
100000

50000

0

Time-->





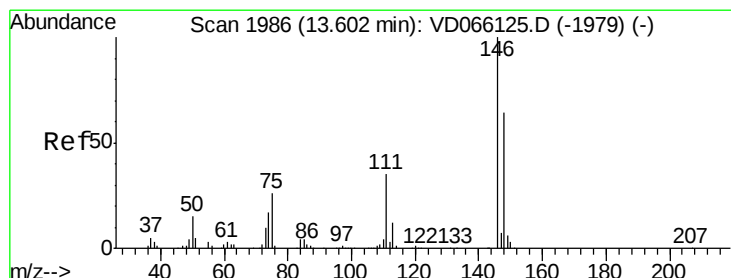
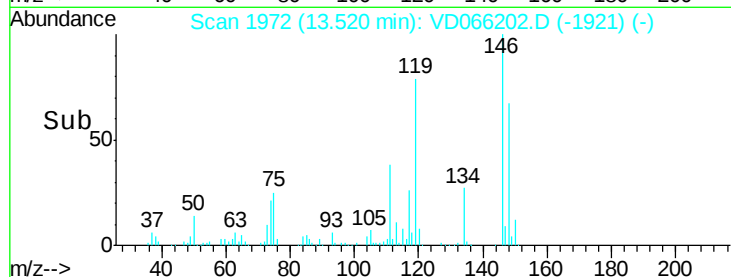
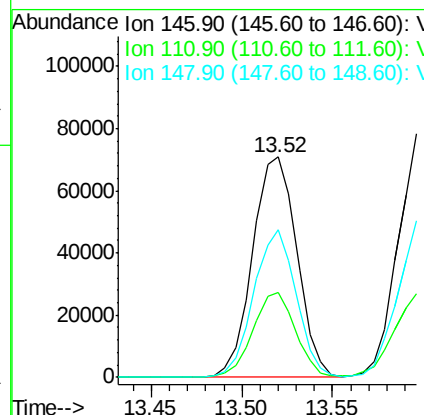
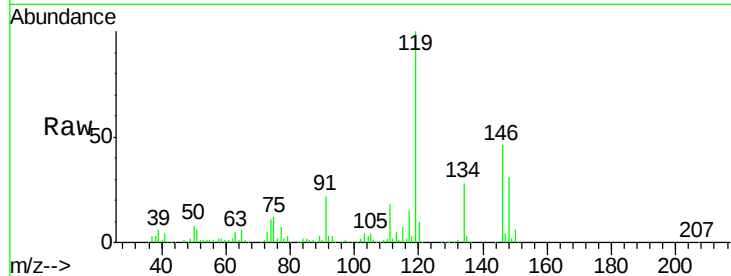
#87
 1,3-Dichlorobenzene
 Concen: 18.007 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	120366		
111	37.4	18.9	56.9	
148	64.3	31.8	95.3	

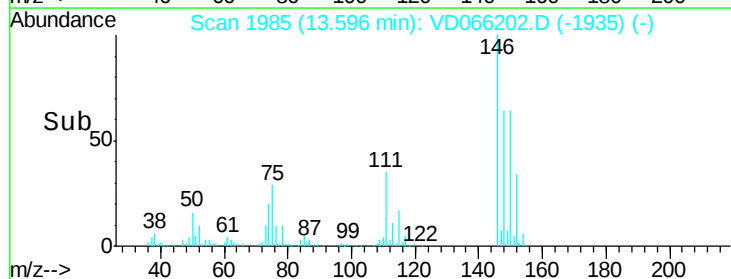
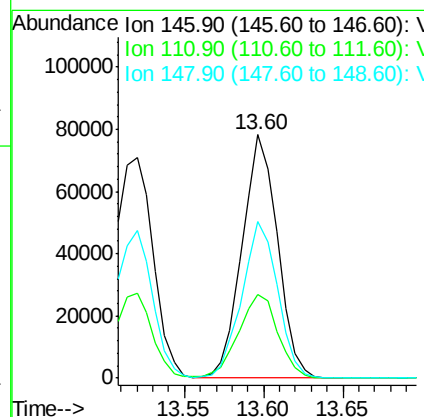
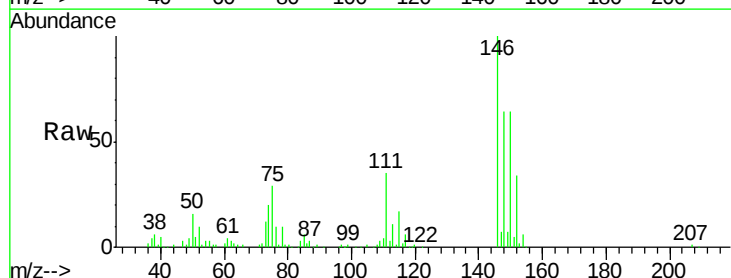
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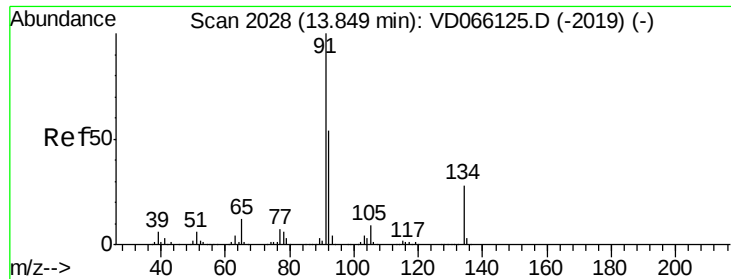
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 8/13/2020 4:21:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.251 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121666		
111	38.5	18.6	55.8	
148	65.2	32.4	97.0	





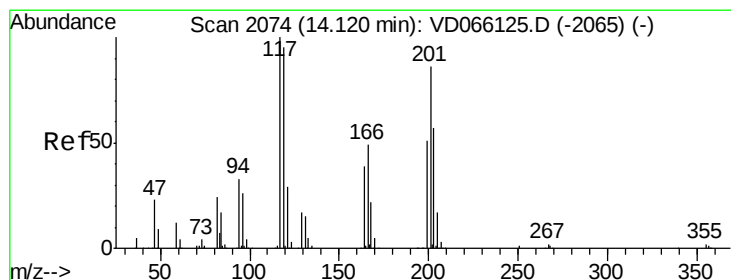
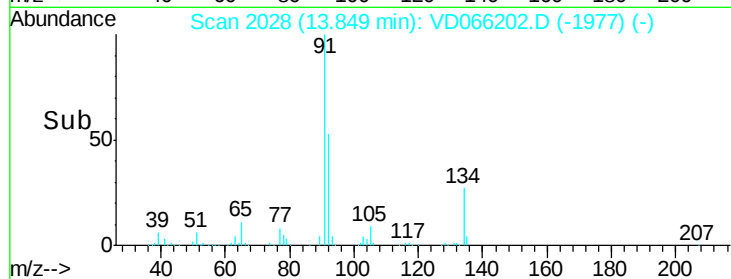
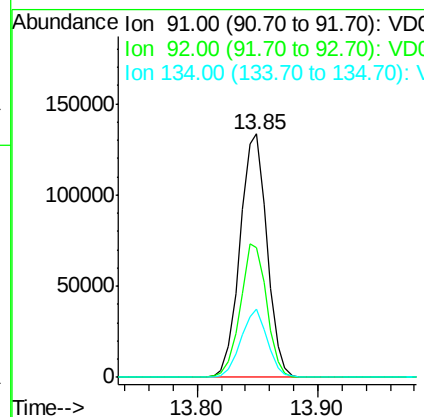
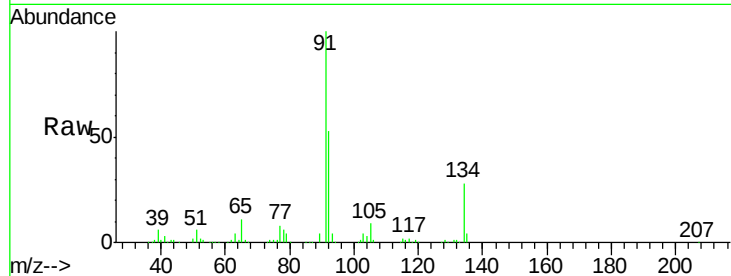
#89
n-Butylbenzene
Concen: 18.060 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	208214		
92	53.4		26.8	80.3
134	27.3		14.0	41.9

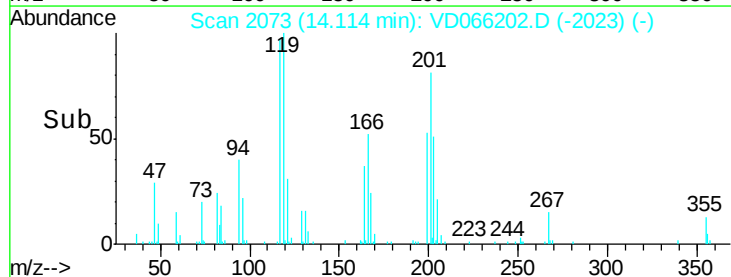
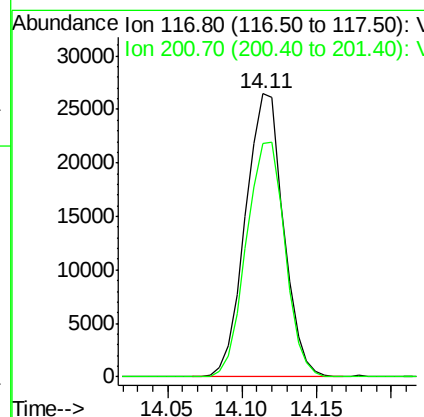
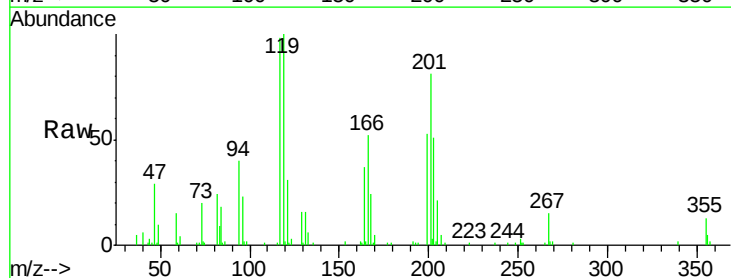
Manual Integrations
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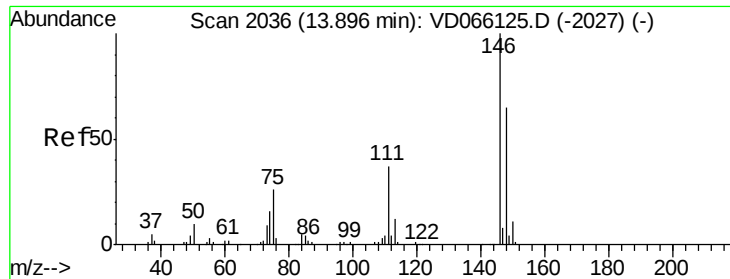
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#90
Hexachloroethane
Concen: 18.236 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46801		
201	83.7		42.7	128.1





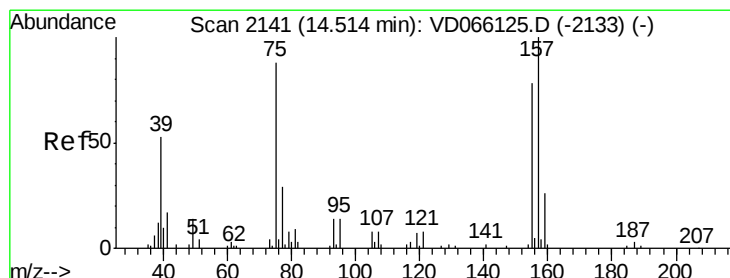
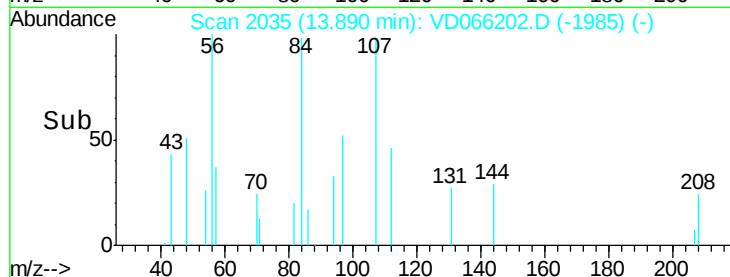
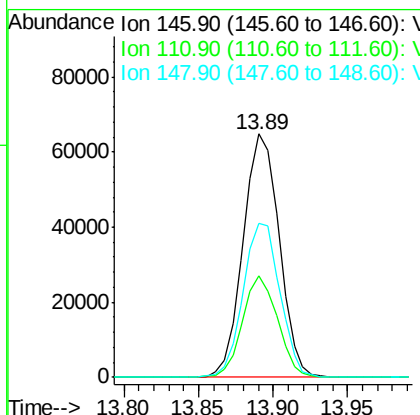
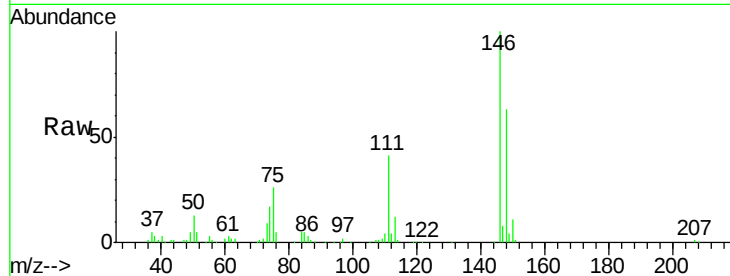
#91
 1,2-Dichlorobenzene
 Concen: 18.343 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	18.8	56.3
148	64.3	31.9	95.5

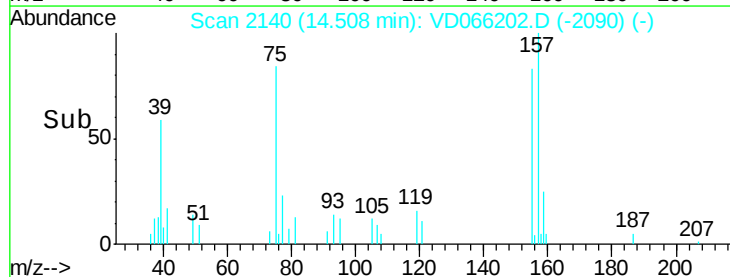
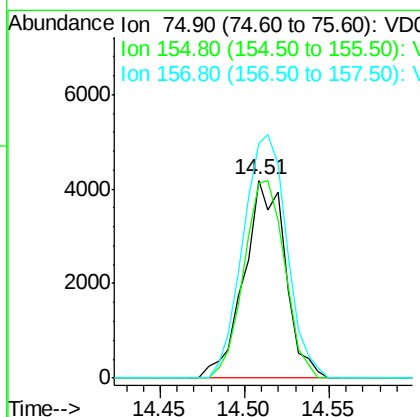
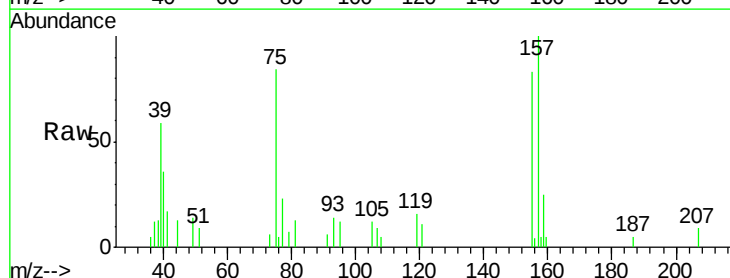
Manual Integrations
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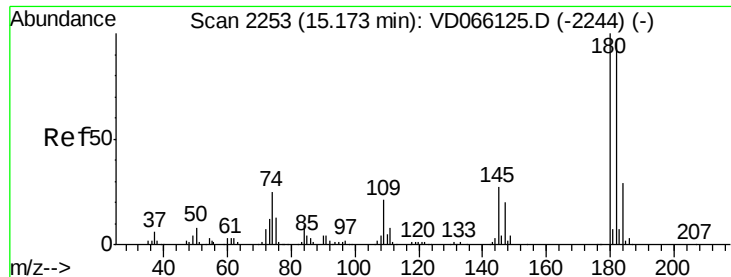
MMDadoda
 8/13/2020 4:21:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.483 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	47.7	143.1
157	130.9	62.1	186.2





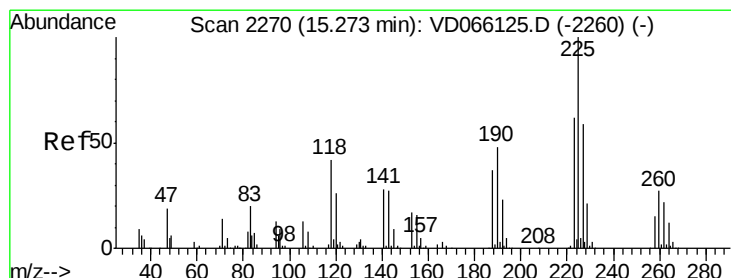
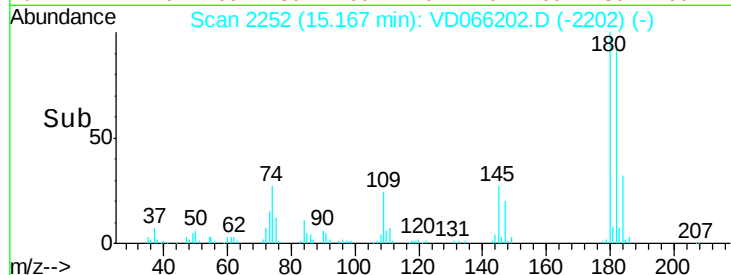
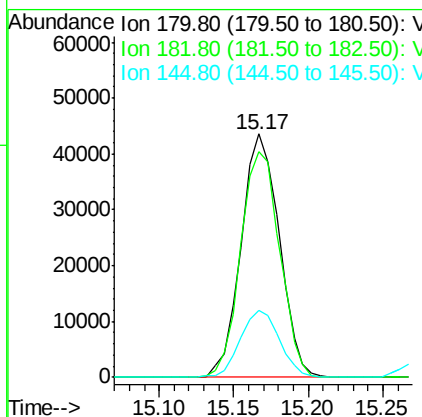
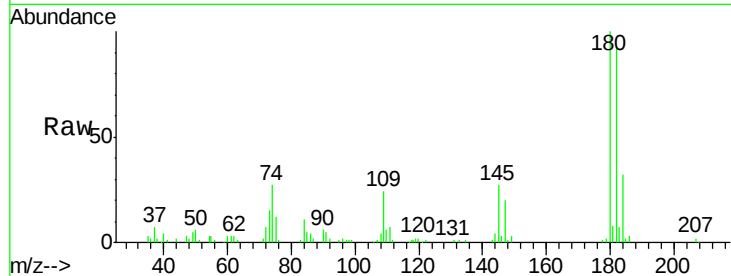
#93
 1,2,4-Trichlorobenzene
 Concen: 17.706 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	28.3	14.5	43.6

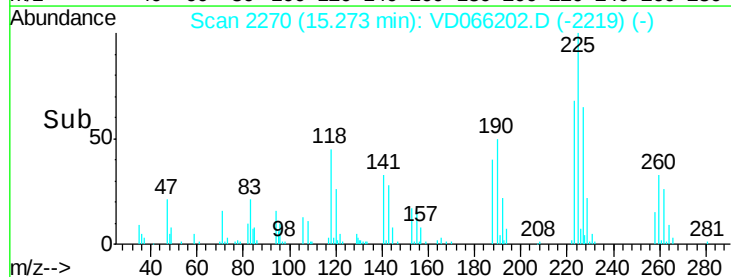
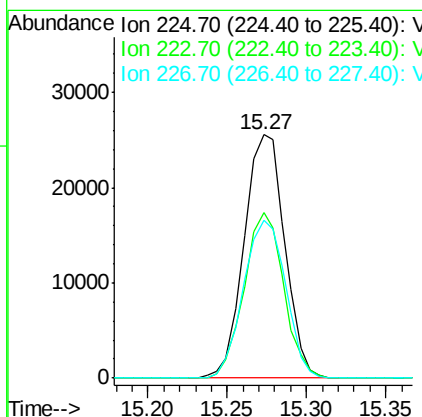
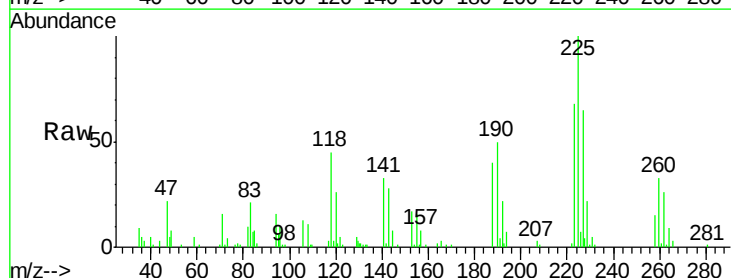
Manual Integrations
 APPROVED

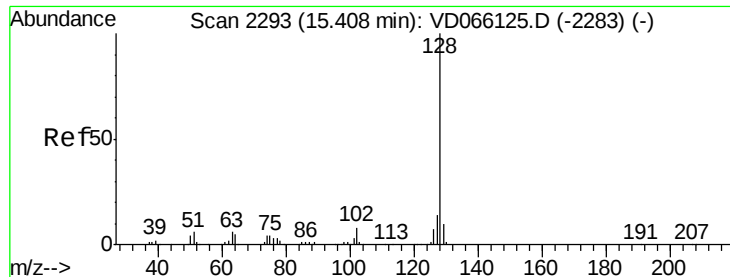
MMDadoda
 8/13/2020 4:21:01 PM



#94
 Hexachlorobutadiene
 Concen: 17.761 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066202.D
 Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.2	32.3	96.9
227	67.2	32.1	96.5





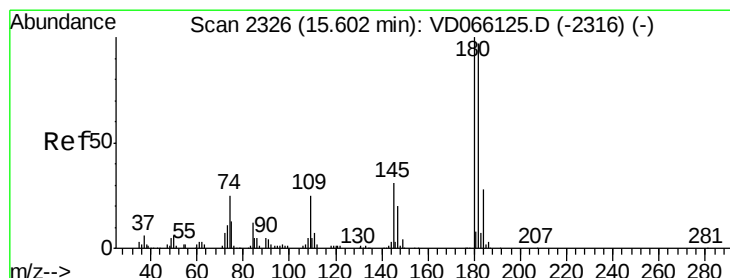
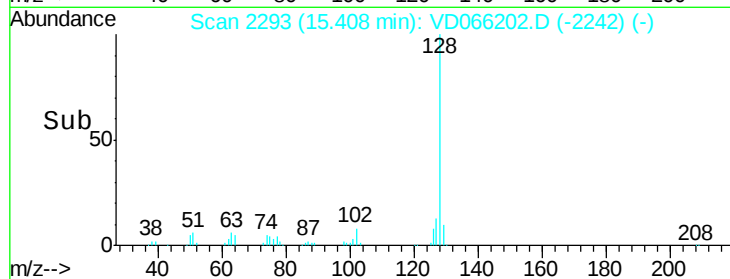
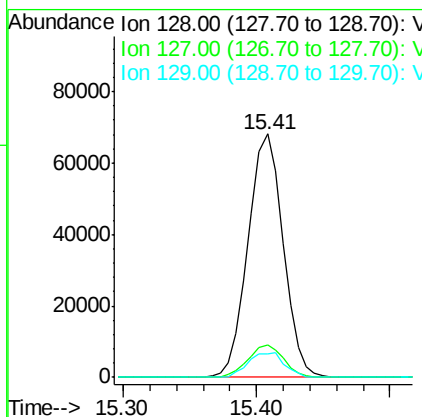
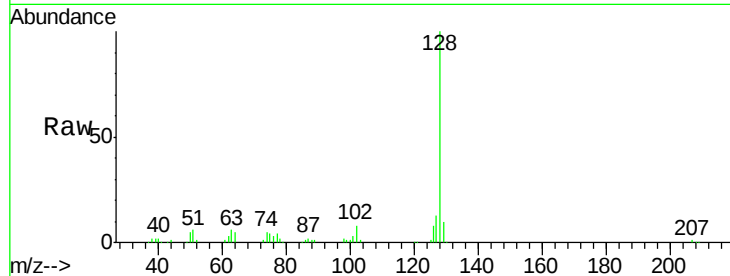
#95
Naphthalene
Concen: 17.435 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.6	11.0	16.4
129	10.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/13/2020 4:21:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.661 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066202.D
Acq: 12 Aug 2020 14:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.6	47.1	141.4
145	30.9	14.9	44.9

