

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066314.D
 Acq On : 19 Aug 2020 13:11
 Operator : VA/SY
 Sample : VD0819SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:36:52 PM

Quant Time: Aug 19 16:12:40 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	24675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	36212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	41982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	24207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	22135	100.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.10%	
35) Dibromofluoromethane	7.91	113	15244	66.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.90%	
50) Toluene-d8	10.34	98	45473	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.64	95	20175	66.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	4392	20.203	ug/l	98
3) Chloromethane	2.20	50	3274	19.360	ug/l	99
4) Vinyl Chloride	2.35	62	3570	23.845	ug/l #	83
5) Bromomethane	2.77	94	3165	31.863	ug/l #	61
6) Chloroethane	2.92	64	2057	22.382	ug/l #	63
7) Trichlorofluoromethane	3.27	101	8189	20.980	ug/l	85
8) Diethyl Ether	3.71	74	4848	44.018	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.10	101	4997	21.572	ug/l	98
10) Methyl Iodide	4.30	142	5947	31.125	ug/l #	95
11) Tert butyl alcohol	5.21	59	9746	654.331	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	4836	22.130	ug/l	83
13) Acrolein	3.91	56	4162	237.522	ug/l	98
14) Allyl chloride	4.71	41	7491	22.627	ug/l #	76
15) Acrylonitrile	5.42	53	21797	469.658	ug/l	93
16) Acetone	4.16	43	22548	539.818	ug/l	95
17) Carbon Disulfide	4.40	76	12179m	17.529	ug/l	
18) Methyl Acetate	4.71	43	10838	102.152	ug/l #	88
19) Methyl tert-butyl Ether	5.47	73	22429	44.780	ug/l #	90
20) Methylene Chloride	4.97	84	8706	34.883	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	5472	21.798	ug/l	92
22) Diisopropyl ether	6.36	45	18280	27.922	ug/l #	87
23) Vinyl Acetate	6.30	43	87552	228.277	ug/l	97
24) 1,1-Dichloroethane	6.27	63	10234	25.260	ug/l #	84
25) 2-Butanone	7.21	43	30621	498.426	ug/l #	89
26) 2,2-Dichloropropane	7.20	77	8774	24.162	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	6871	26.095	ug/l	97
28) Bromochloromethane	7.54	49	5315	37.351	ug/l	98
29) Tetrahydrofuran	7.57	42	18395	483.275	ug/l	97
30) Chloroform	7.71	83	11593	27.250	ug/l	97
31) Cyclohexane	7.97	56	6911	17.919	ug/l #	72
32) 1,1,1-Trichloroethane	7.90	97	9001	22.565	ug/l	98
36) 1,1-Dichloropropene	8.11	75	6850	20.130	ug/l	97
37) Ethyl Acetate	7.30	43	11306	83.857	ug/l #	85
38) Carbon Tetrachloride	8.10	117	7801	20.558	ug/l #	76

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	6859	16.674	ug/l	98
40) Benzene	8.35	78	21155	22.411	ug/l #	89
41) Methacrylonitrile	7.52	41	6193m	78.123	ug/l	
42) 1,2-Dichloroethane	8.43	62	11272	40.647	ug/l	100
43) Isopropyl Acetate	8.44	43	17072	64.266	ug/l	92
44) Trichloroethene	9.10	130	6058	21.297	ug/l	92
45) 1,2-Dichloropropane	9.38	63	6273	27.171	ug/l	98
46) Dibromomethane	9.47	93	5568	43.784	ug/l	92
47) Bromodichloromethane	9.66	83	10470	31.151	ug/l #	86
48) Methyl methacrylate	9.46	41	8450	62.296	ug/l	90
49) 1,4-Dioxane	9.46	88	3513	2150.192	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	53775	394.099	ug/l	98
52) Toluene	10.40	92	14600	23.505	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	11331	35.524	ug/l	90
54) cis-1,3-Dichloropropene	10.08	75	11586	31.002	ug/l #	85
55) 1,1,2-Trichloroethane	10.80	97	8049	43.955	ug/l	90
56) Ethyl methacrylate	10.66	69	11198	50.905	ug/l	97
57) 1,3-Dichloropropane	10.94	76	12833	42.213	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	26863	271.484	ug/l	99
59) 2-Hexanone	10.98	43	39102	408.319	ug/l	98
60) Dibromochloromethane	11.13	129	10139	40.105	ug/l	95
61) 1,2-Dibromoethane	11.24	107	8643	49.078	ug/l	100
64) Tetrachloroethene	10.87	164	5655	17.542	ug/l	87
65) Chlorobenzene	11.67	112	17907	21.011	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	7978	23.925	ug/l	98
67) Ethyl Benzene	11.74	91	24426	16.539	ug/l	95
68) m/p-Xylenes	11.85	106	18860	32.961	ug/l	94
69) o-Xylene	12.18	106	9527	18.303	ug/l	97
70) Styrene	12.20	104	17322	18.989	ug/l	99
71) Bromoform	12.36	173	8307	42.046	ug/l #	95
73) Isopropylbenzene	12.48	105	24933	15.430	ug/l	100
74) N-amyl acetate	12.29	43	13278	37.316	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	11679	42.387	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	9389m	46.510	ug/l	
77) Bromobenzene	12.76	156	8942	21.497	ug/l	85
78) n-propylbenzene	12.82	91	27799	14.800	ug/l	99
79) 2-Chlorotoluene	12.91	91	18438	17.163	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	20378	15.080	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	4598	50.350	ug/l	96
82) 4-Chlorotoluene	13.00	91	19817	17.474	ug/l	99
83) tert-Butylbenzene	13.23	119	16350	13.757	ug/l	90
84) 1,2,4-Trimethylbenzene	13.27	105	22780	16.844	ug/l	97
85) sec-Butylbenzene	13.40	105	24041	14.983	ug/l	97
86) p-Isopropyltoluene	13.52	119	22398	14.883	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	15993	20.457	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	16826	21.581	ug/l	99
89) n-Butylbenzene	13.85	91	20109	14.914	ug/l	98
90) Hexachloroethane	14.11	117	5028	16.752	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	15506	22.427	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3163	66.792	ug/l	96

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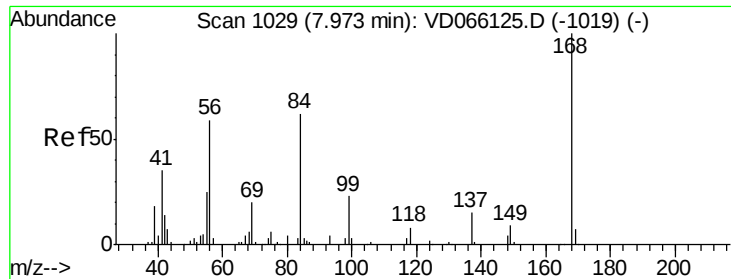
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	12071	23.691	ug/l	99
94) Hexachlorobutadiene	15.27	225	5404	18.012	ug/l	95
95) Naphthalene	15.41	128	33119	39.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	12020	26.724	ug/l	96

(#) = 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: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion:168 Resp: 24675

Ion Ratio Lower Upper

168 100

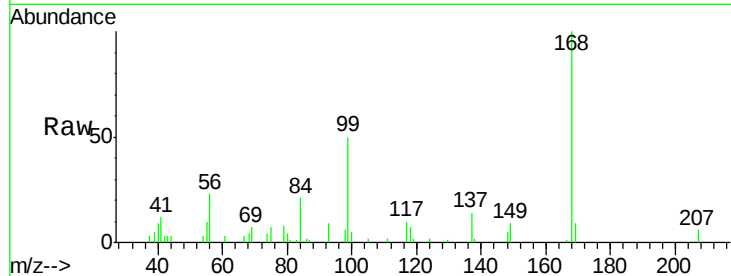
99 50.4 42.2 63.4

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

12000

10000

8000

6000

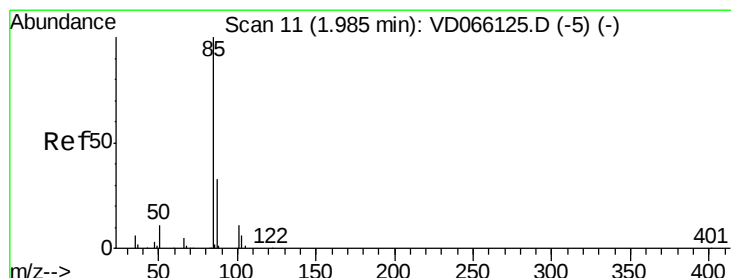
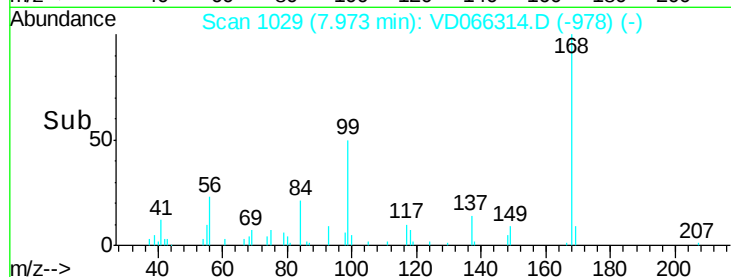
4000

2000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 20.203 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066314.D

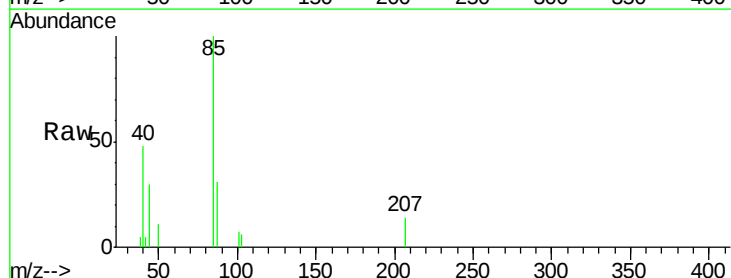
Acq: 19 Aug 2020 13:11

Tgt Ion: 85 Resp: 4392

Ion Ratio Lower Upper

85 100

87 31.3 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

3000

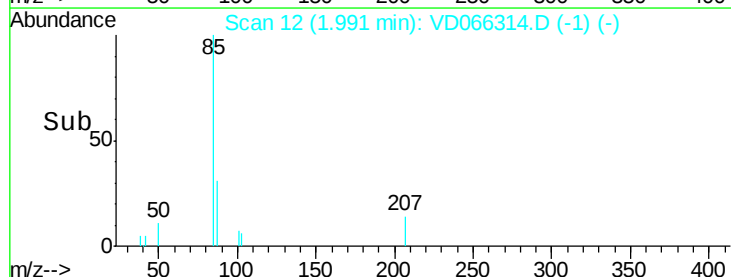
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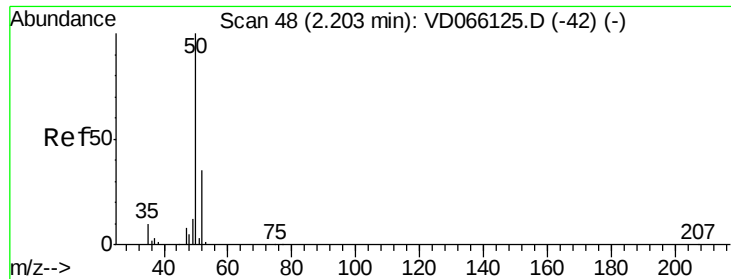
1000

0

1.95 2.00

Time-->





#3

Chloromethane

Concen: 19.360 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 50 Resp: 3274

Ion Ratio Lower Upper

50 100

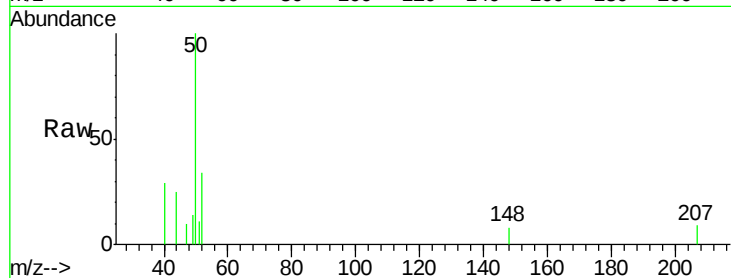
52 34.1 27.9 41.9

Manual Integrations

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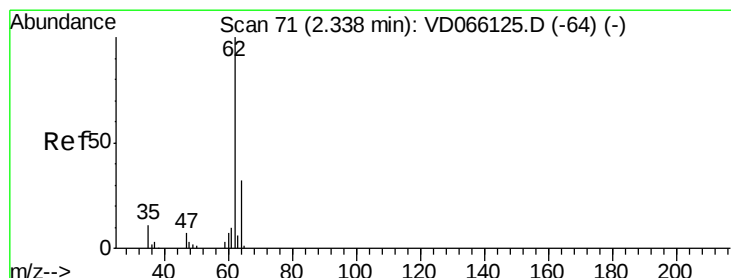
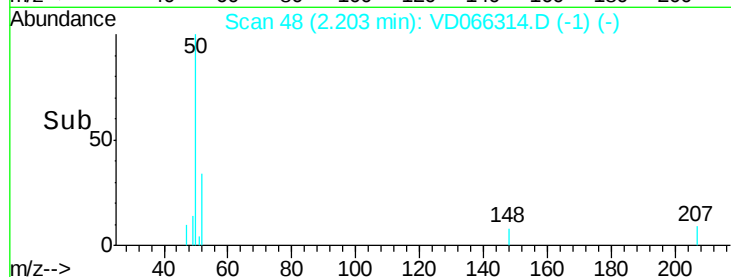
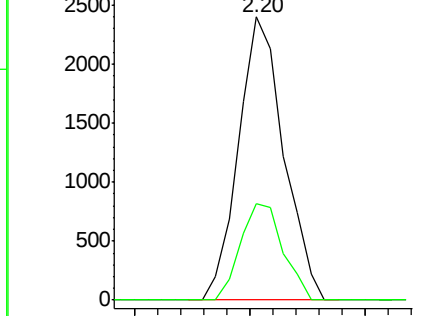
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.845 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066314.D

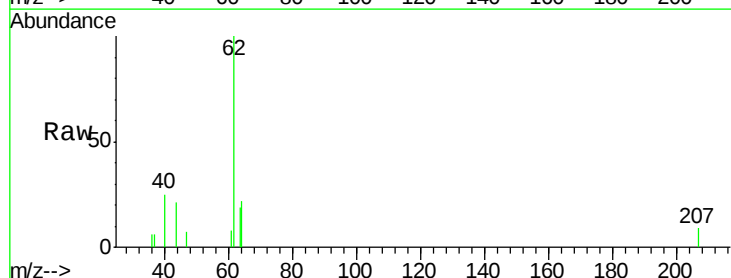
Acq: 19 Aug 2020 13:11

Tgt Ion: 62 Resp: 3570

Ion Ratio Lower Upper

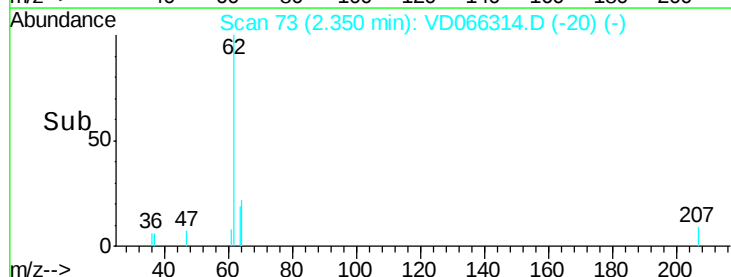
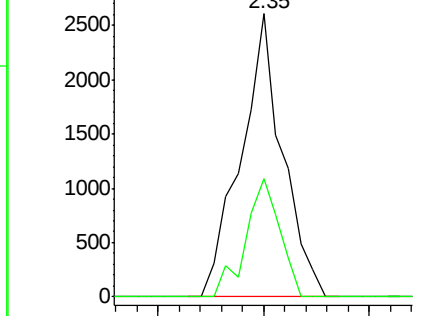
62 100

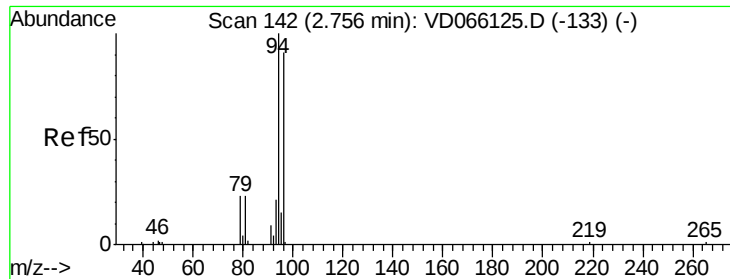
64 41.6 25.8 38.8#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 31.863 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

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ClientSampleId :

VD0819SBS01

Tot Ion: 94 Resp: 3165

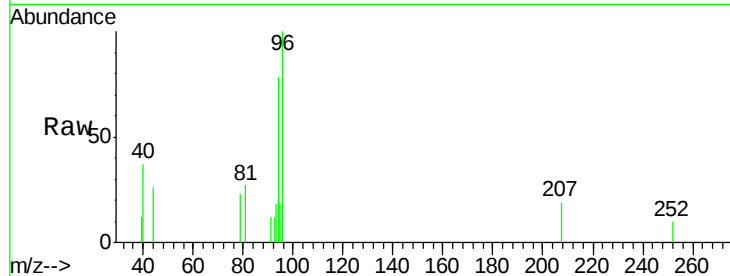
Ion Ratio Lower Upper

94 100

96 127.5 72.6 109.0#

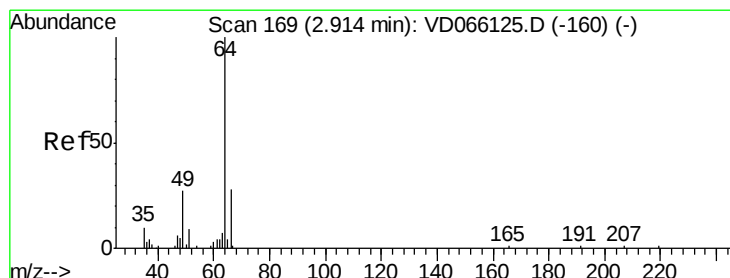
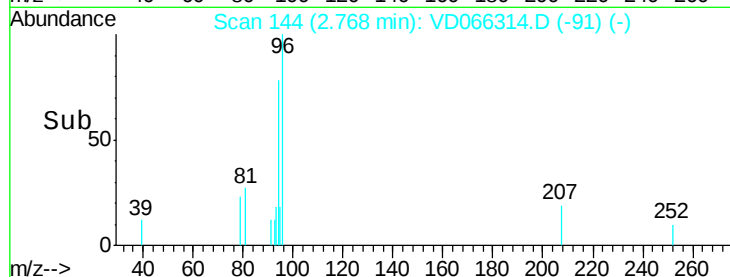
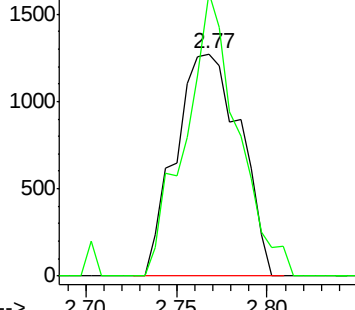
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.382 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066314.D

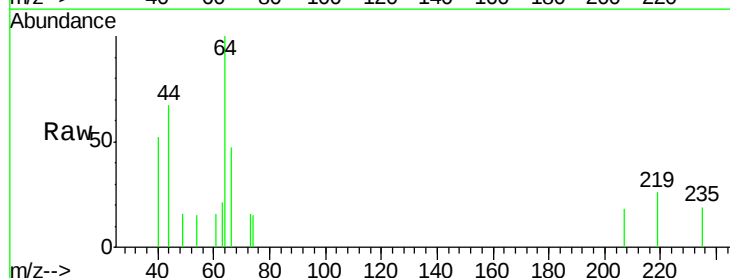
Acq: 19 Aug 2020 13:11

Tgt Ion: 64 Resp: 2057

Ion Ratio Lower Upper

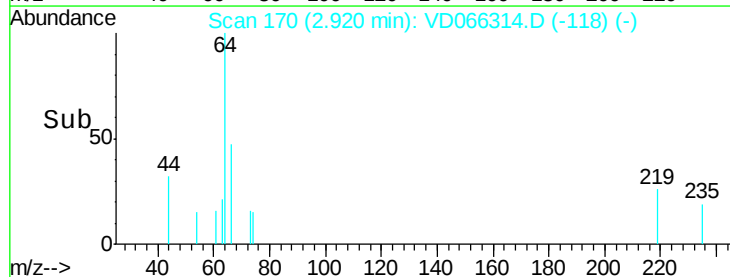
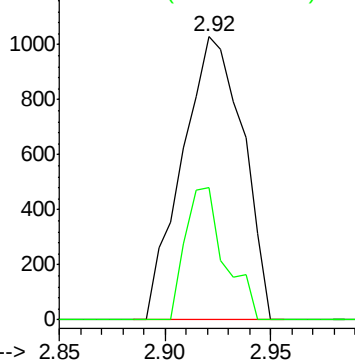
64 100

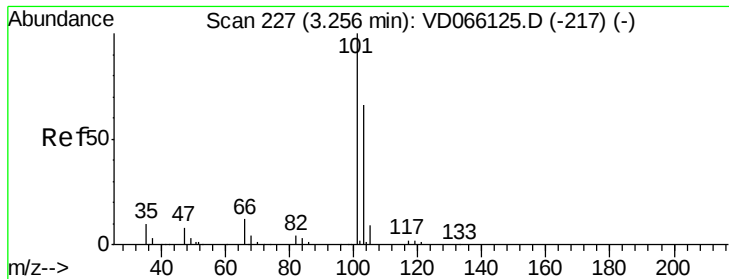
66 46.6 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

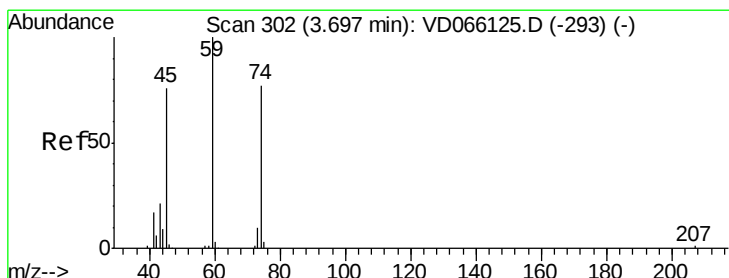
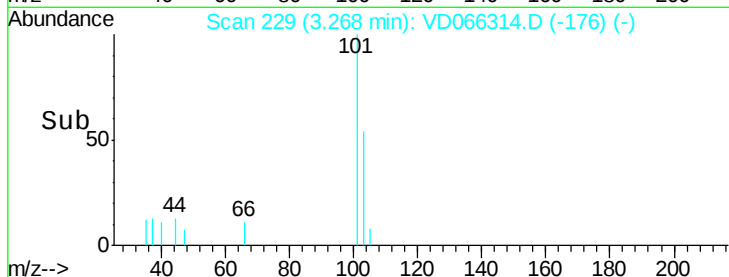
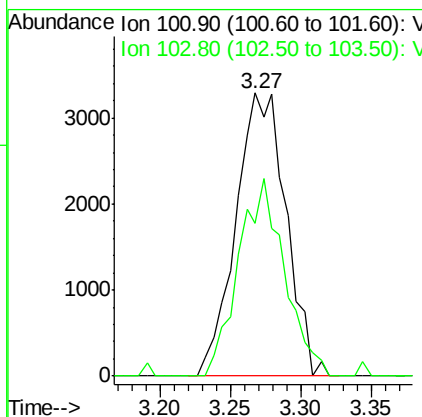
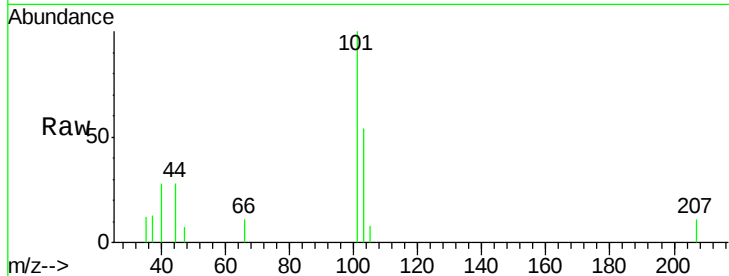
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

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Tot Ion	Ratio	Lower	Upper
101	100		
103	54.0	53.0	79.6

Manual Integrations
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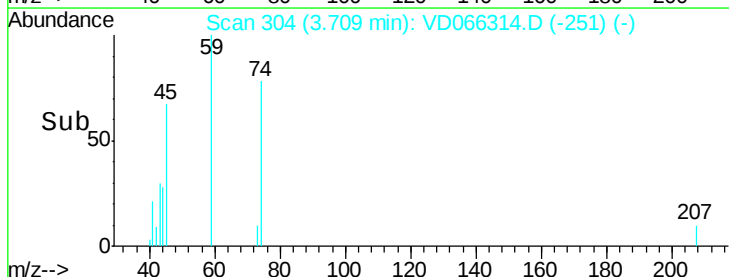
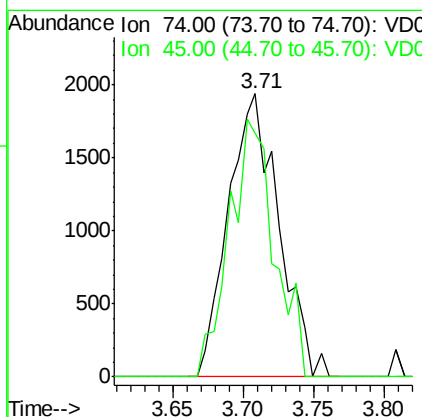
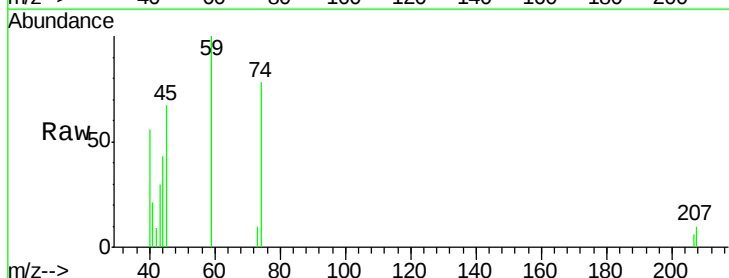
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8/20/2020 3:36:52 PM

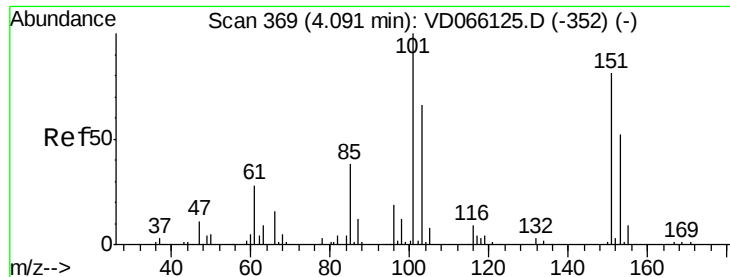


#8

Diethyl Ether
Concen: 44.018 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.1	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.572 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

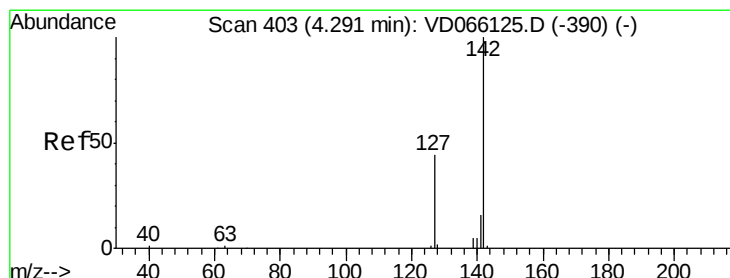
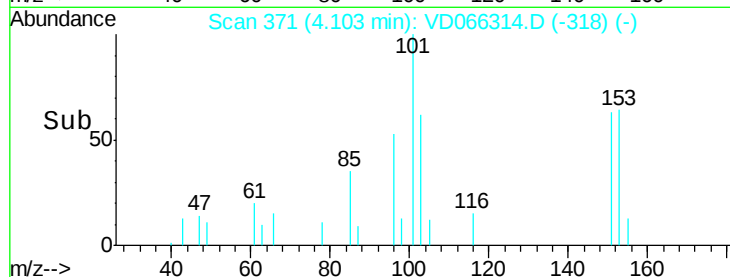
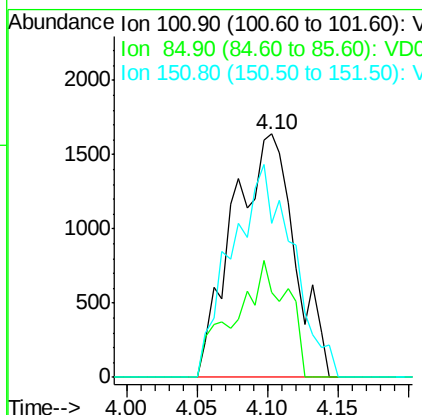
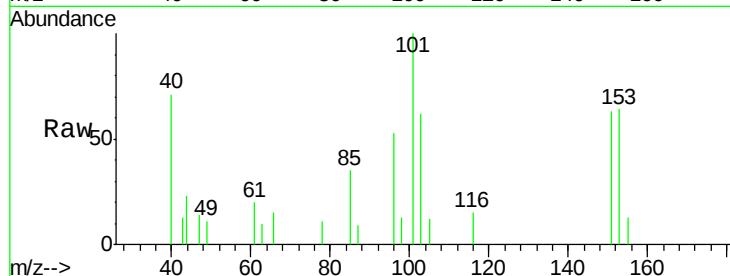
ClientSampleId :

VD0819SBSD01

Tot Ion:	101	Resp:	4997
Ion	Ratio	Lower	Upper
101	100		
85	40.8	33.5	50.3
151	86.3	67.8	101.8

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#10

Methyl Iodide

Concen: 31.125 ug/l

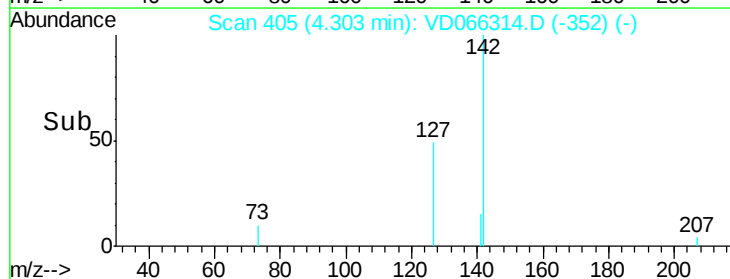
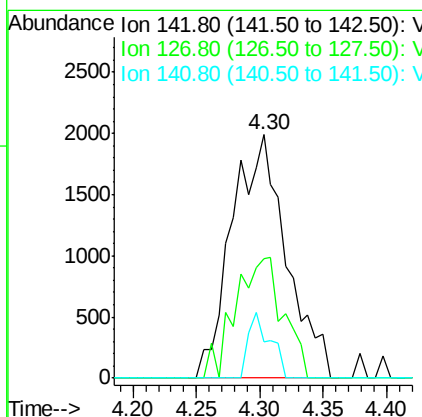
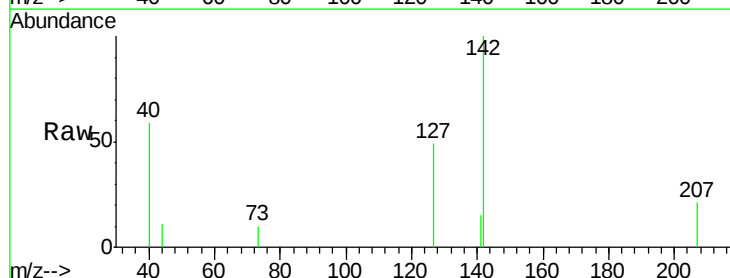
RT: 4.30 min Scan# 405

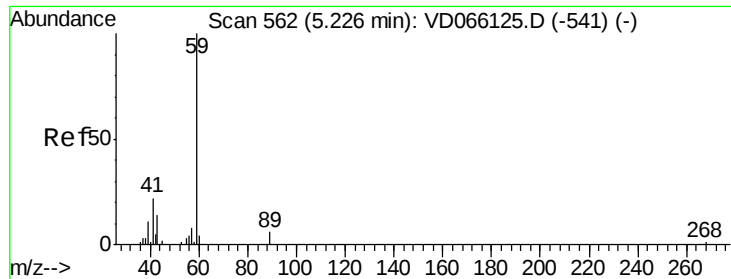
Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Tgt Ion:	142	Resp:	5947
Ion	Ratio	Lower	Upper
142	100		
127	43.7	36.2	54.4
141	10.6	12.6	18.8#





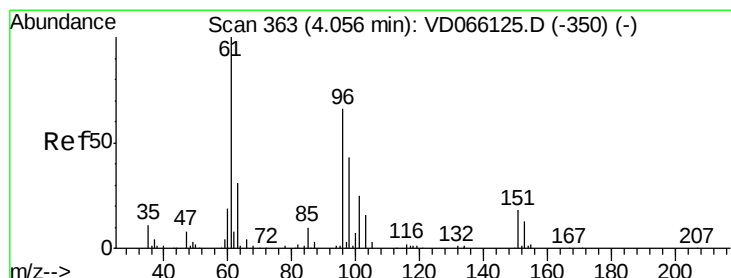
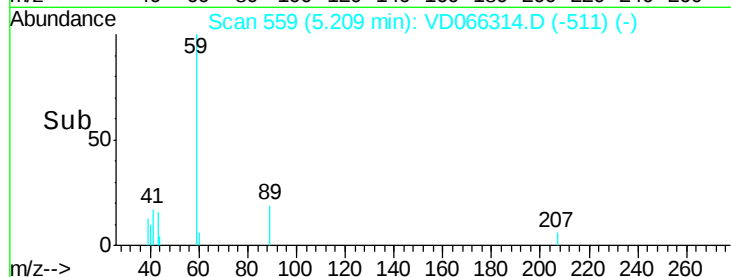
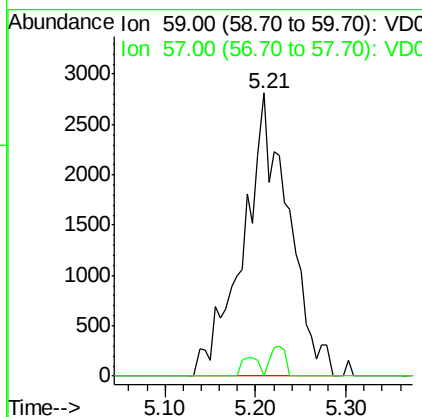
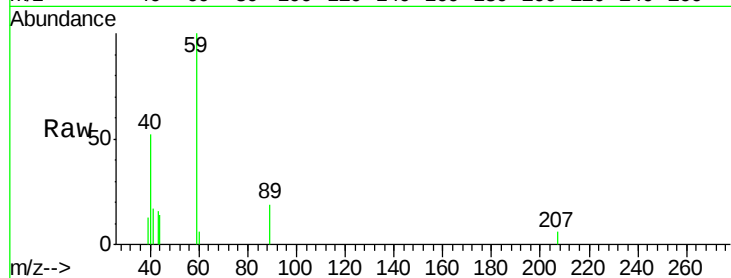
#11
Tert butyl alcohol
Concen: 654.331 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion: 59 Resp: 9746
Ion Ratio Lower Upper
59 100
57 2.5 7.0 10.4#

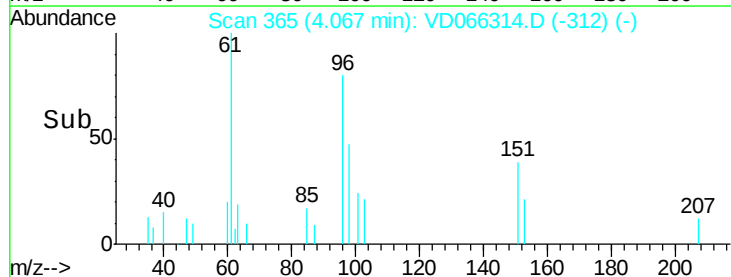
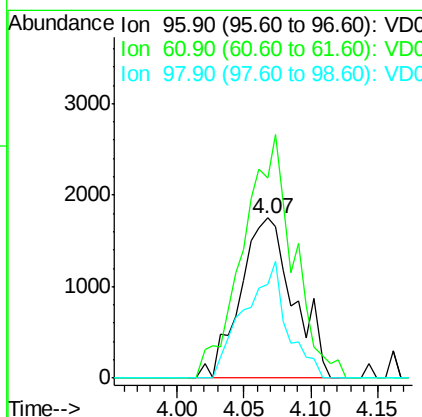
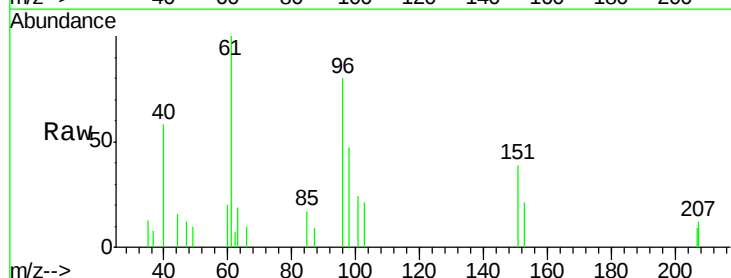
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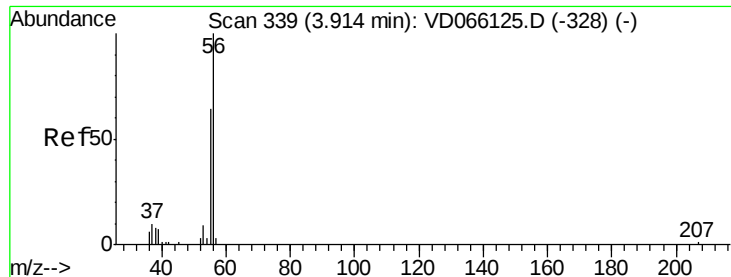
MMDadoda
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#12
1,1-Dichloroethene
Concen: 22.130 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 96 Resp: 4836
Ion Ratio Lower Upper
96 100
61 124.8 121.6 182.4
98 58.7 52.0 78.0





#13

Acrolein

Concen: 237.522 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 56 Resp: 4162

Ion Ratio Lower Upper

56 100

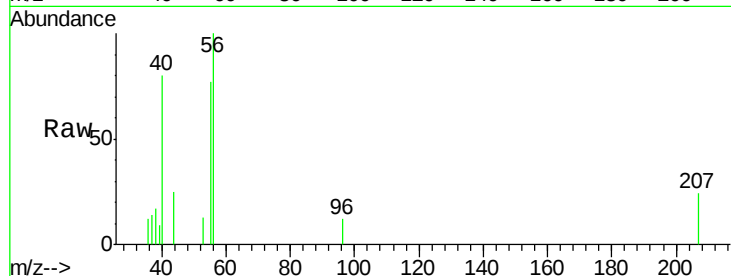
55 72.6 56.7 85.1

Manual Integrations

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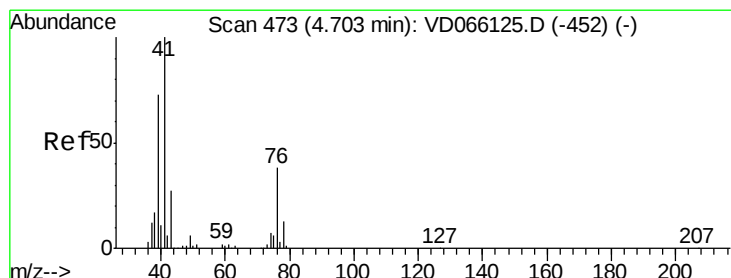
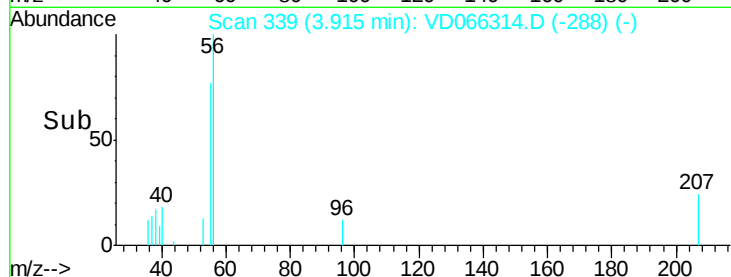
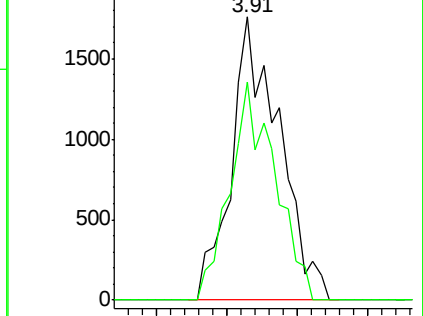
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.627 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

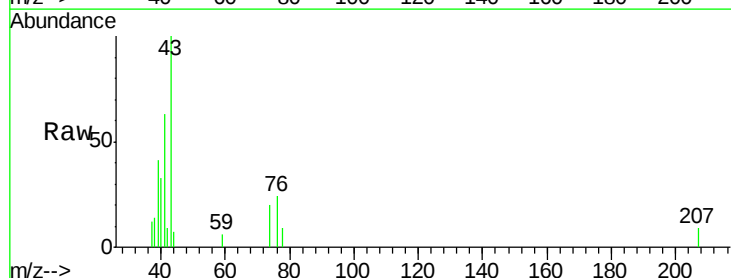
Tgt Ion: 41 Resp: 7491

Ion Ratio Lower Upper

41 100

39 74.8 57.4 86.0

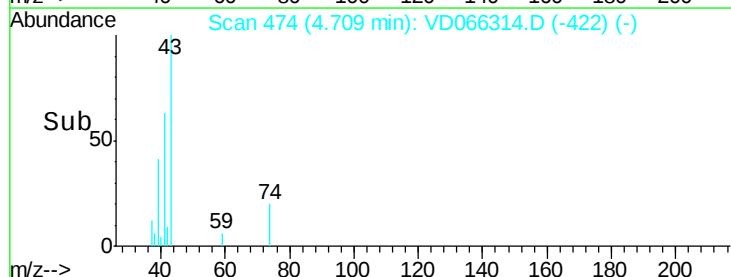
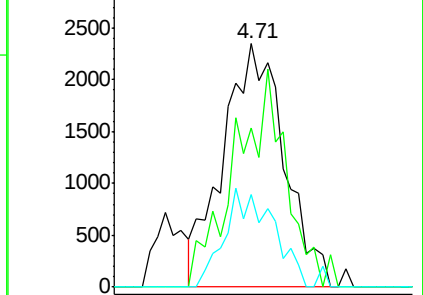
76 0.0 30.1 45.1#

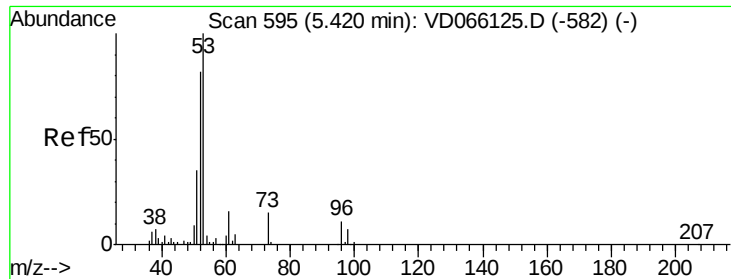


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 469.658 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

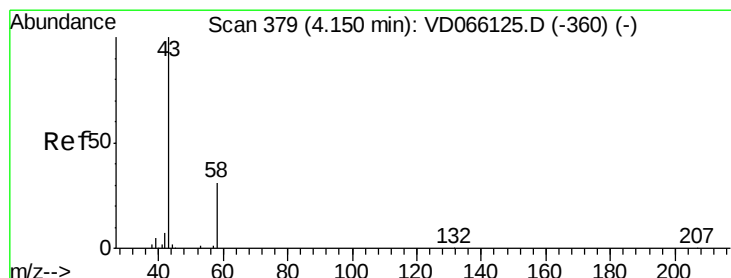
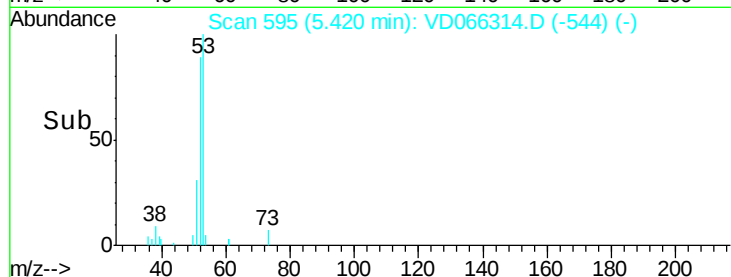
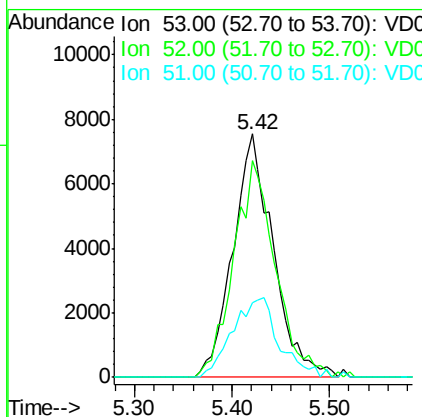
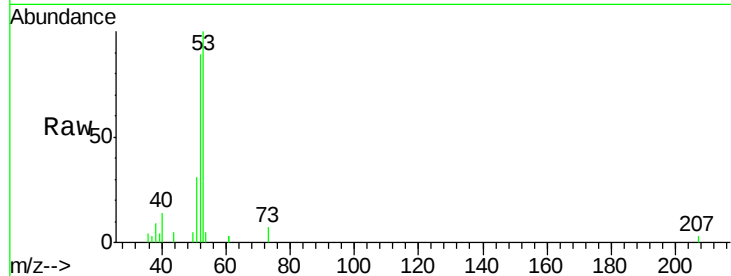
ClientSampleId :

VD0819SBS01

Tot Ion:	53	Resp:	21797
Ion Ratio	Lower	Upper	
53	100		
52	91.7	66.1	99.1
51	37.8	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 539.818 ug/l

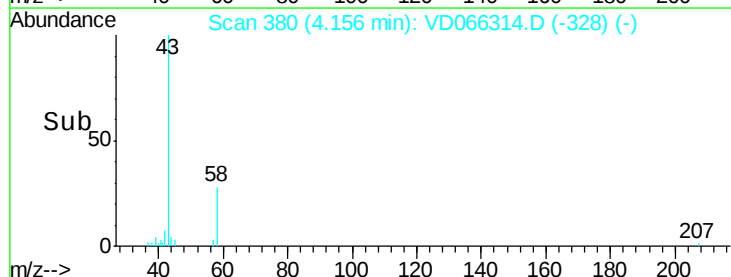
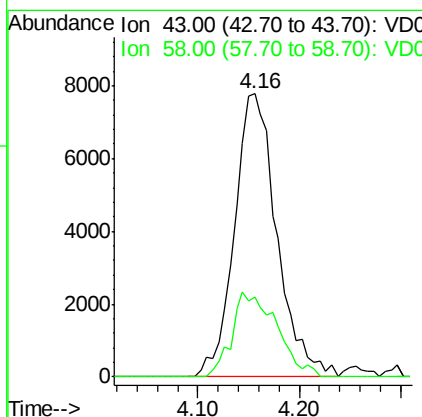
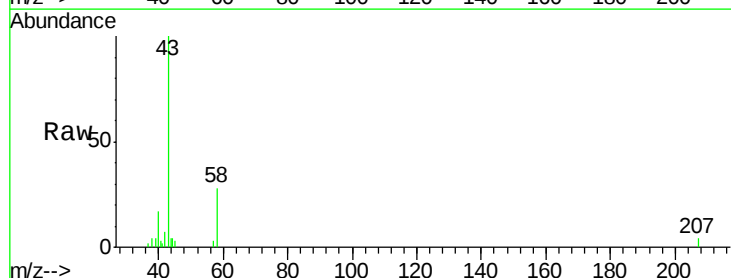
RT: 4.16 min Scan# 380

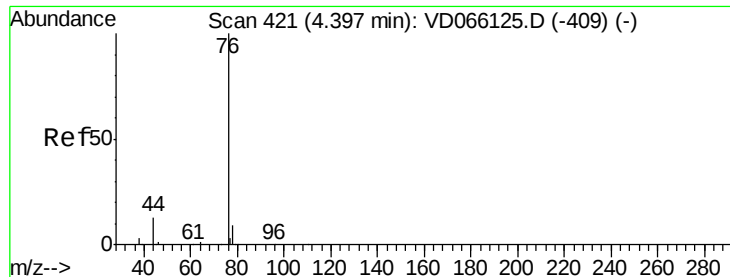
Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Tgt Ion:	43	Resp:	22548
Ion Ratio	Lower	Upper	
43	100		
58	28.3	24.7	37.1





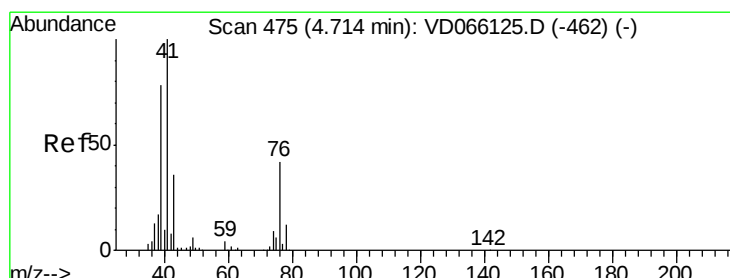
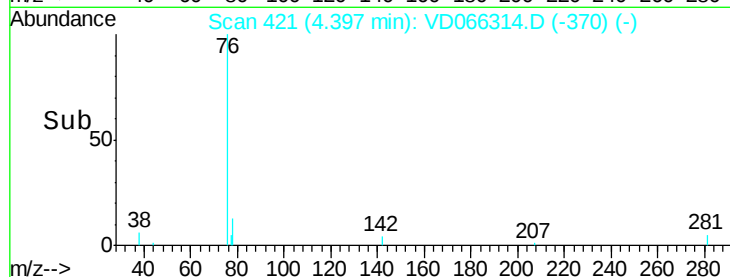
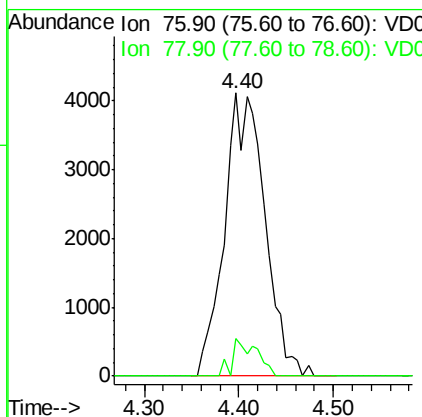
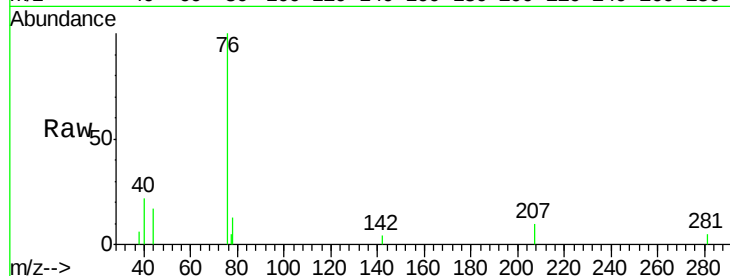
#17
Carbon Disulfide
Concen: 17.529 ug/l m
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion: 76 Resp: 12179
Ion Ratio Lower Upper
76 100
78 13.2 7.5 11.3#

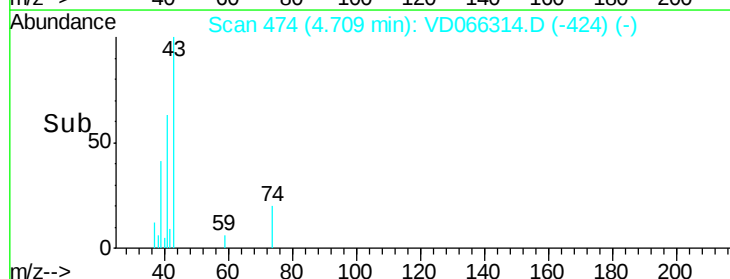
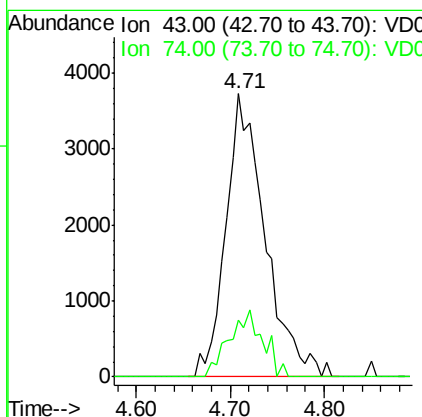
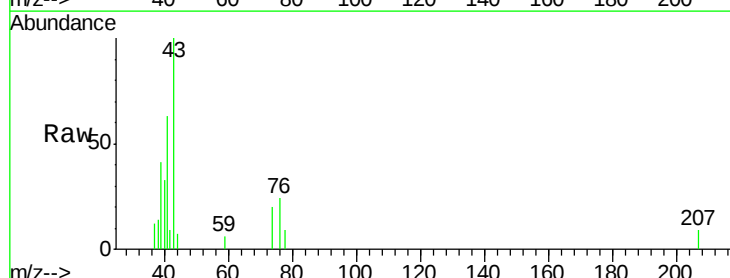
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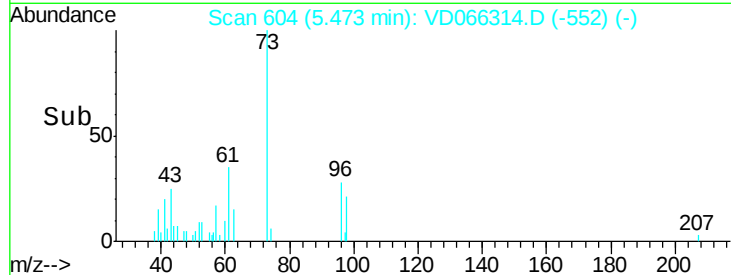
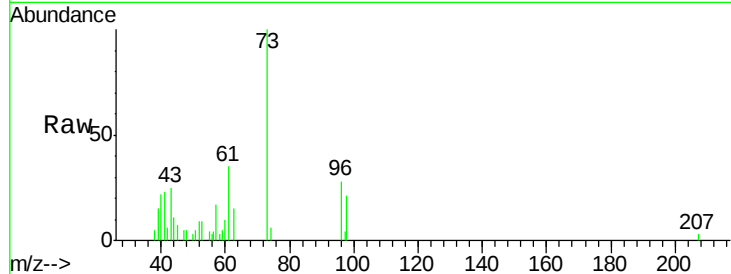
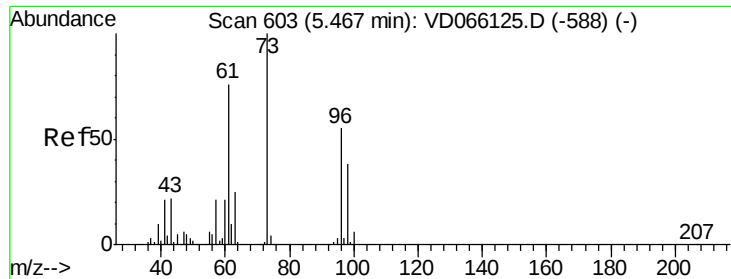
MMDadoda
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#18
Methyl Acetate
Concen: 102.152 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 43 Resp: 10838
Ion Ratio Lower Upper
43 100
74 20.1 21.2 31.8#





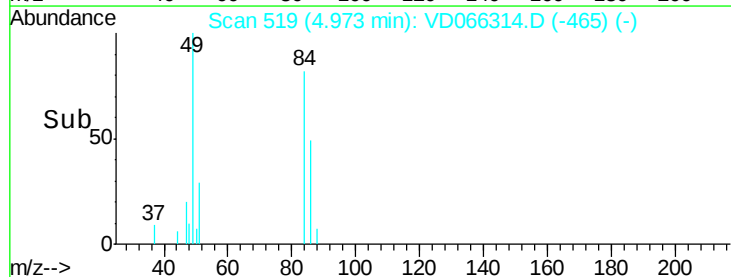
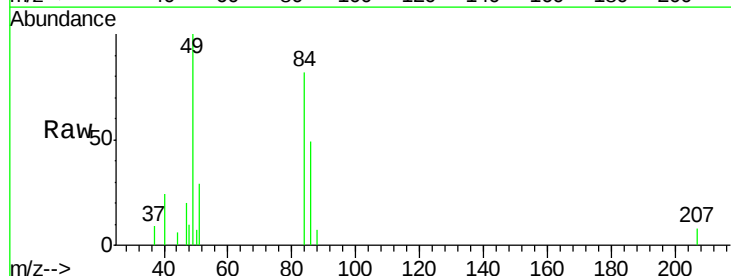
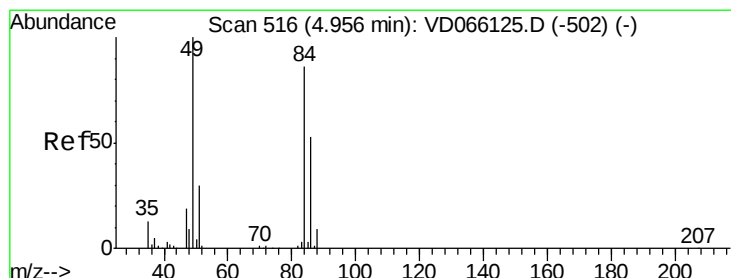
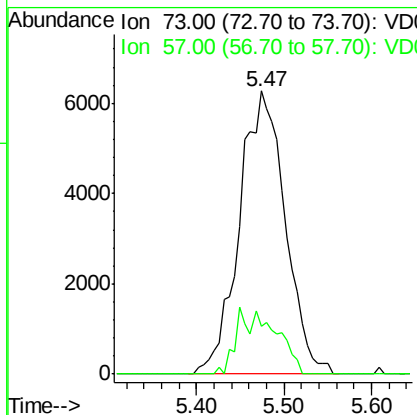
#19
Methyl tert-butyl Ether
Concen: 44.780 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tot Ion: 73 Resp: 22429
Ion Ratio Lower Upper
73 100
57 16.8 17.1 25.7#

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

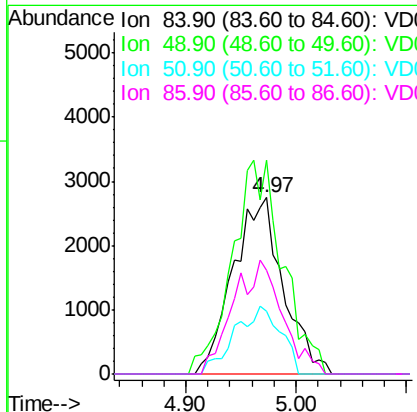
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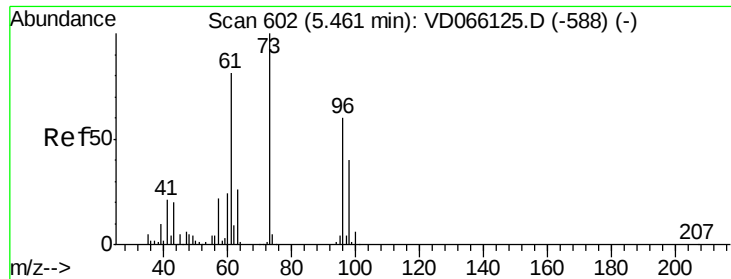
MMDadoda
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#20
Methylene Chloride
Concen: 34.883 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.02 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 84 Resp: 8706
Ion Ratio Lower Upper
84 100
49 121.3 93.5 140.3
51 35.6 28.2 42.4
86 59.1 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.798 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

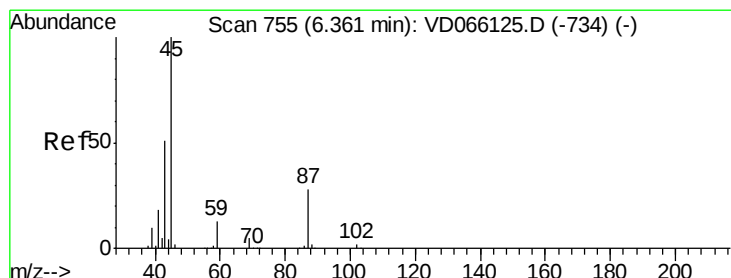
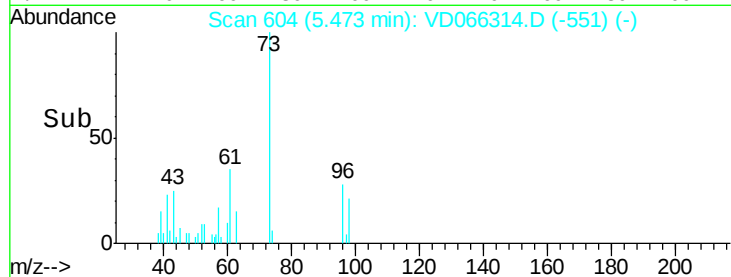
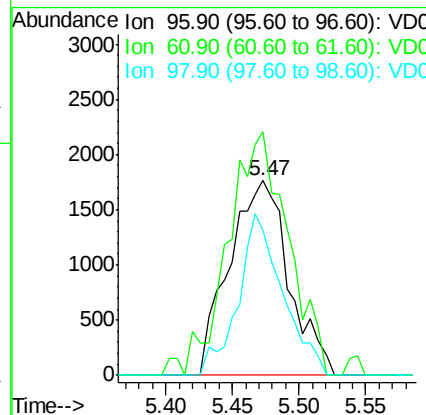
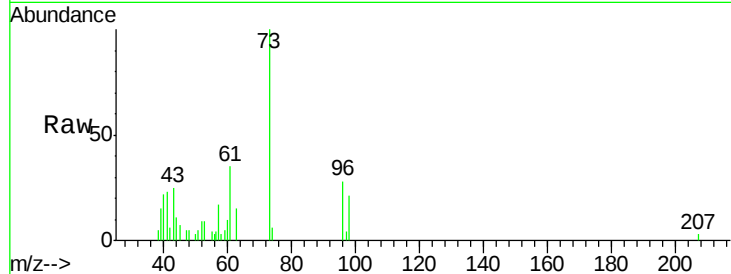
ClientSampleId :

VD0819SBS01

Tot Ion:	96	Resp:	5472
Ion	Ratio	Lower	Upper
96	100		
61	125.1	106.9	160.3
98	74.6	53.4	80.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 27.922 ug/l

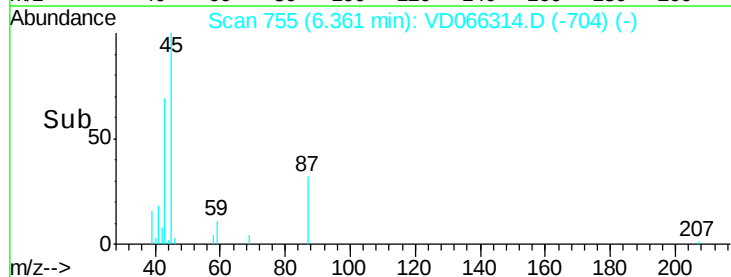
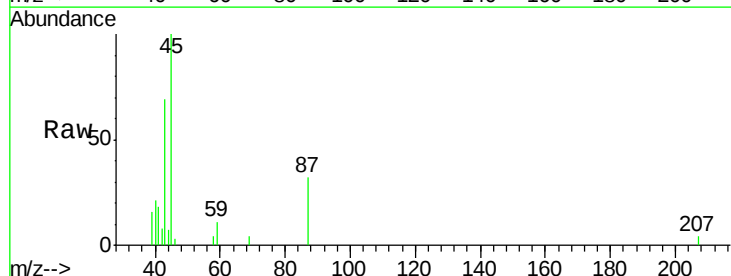
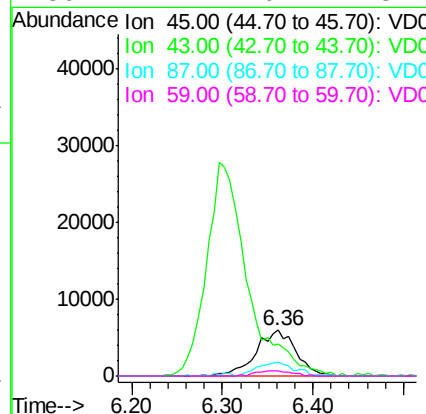
RT: 6.36 min Scan# 755

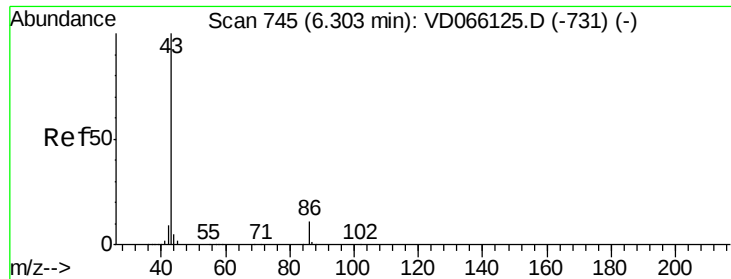
Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Tgt Ion:	45	Resp:	18280
Ion	Ratio	Lower	Upper
45	100		
43	64.9	41.2	61.8#
87	31.8	22.8	34.2
59	11.2	10.2	15.2





#23

Vinyl Acetate

Concen: 228.277 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 43 Resp: 87552

Ion Ratio Lower Upper

43 100

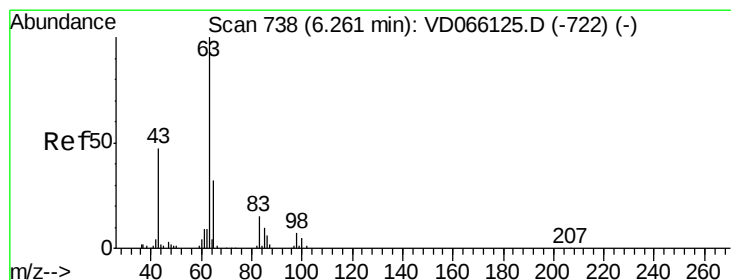
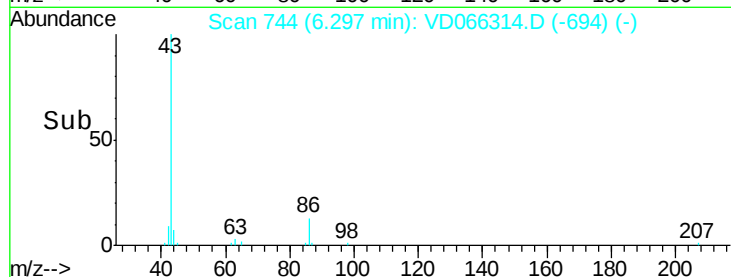
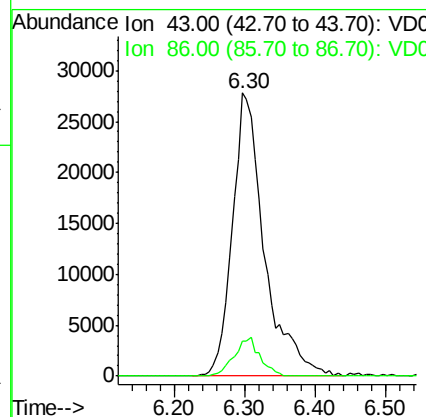
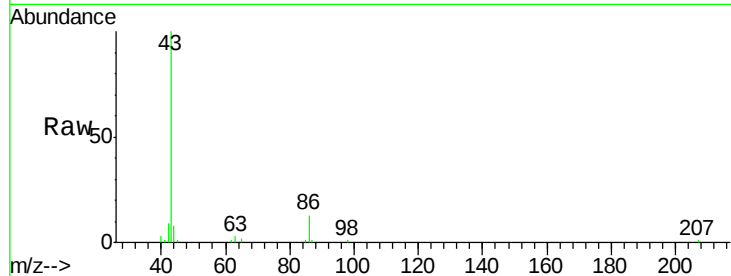
86 12.6 9.1 13.7

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#24

1,1-Dichloroethane

Concen: 25.260 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

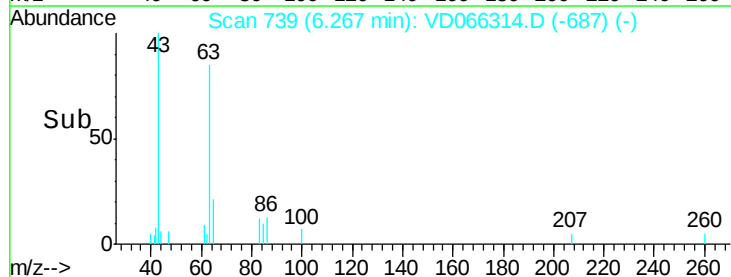
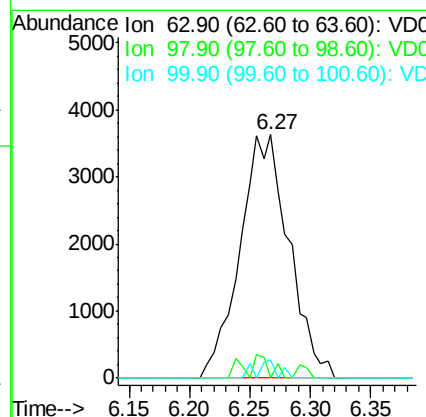
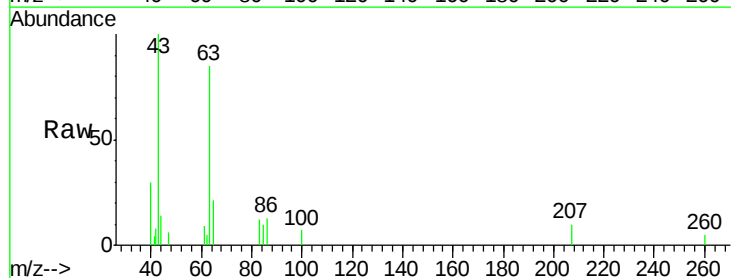
Tgt Ion: 63 Resp: 10234

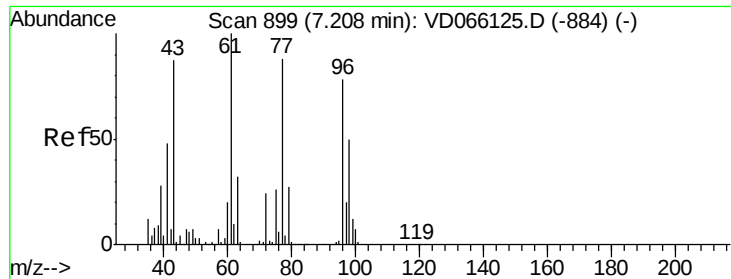
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 7.6 2.4 7.2#





#25

2-Butanone

Concen: 498.426 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 43 Resp: 30621

Ion Ratio Lower Upper

43 100

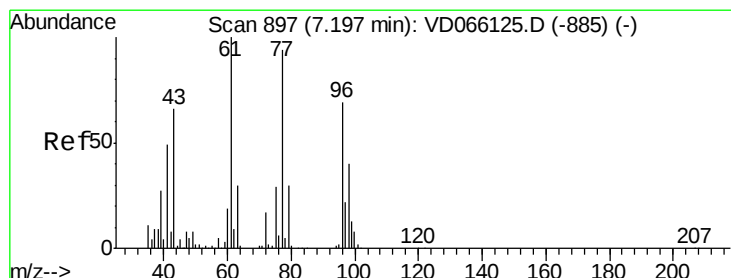
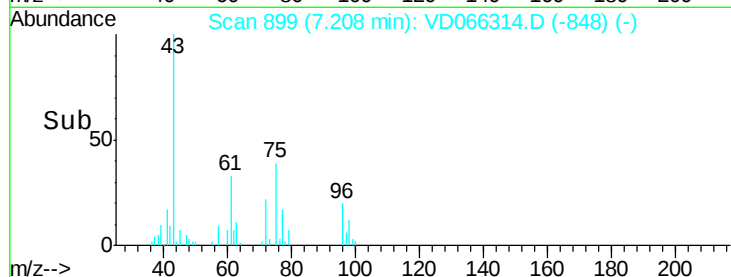
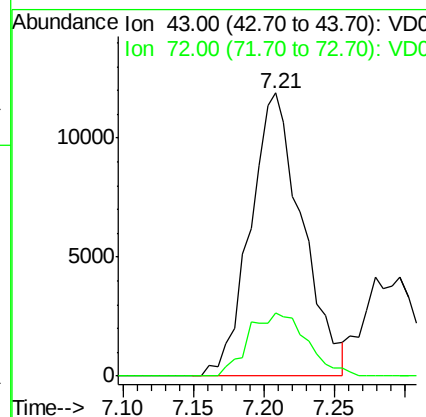
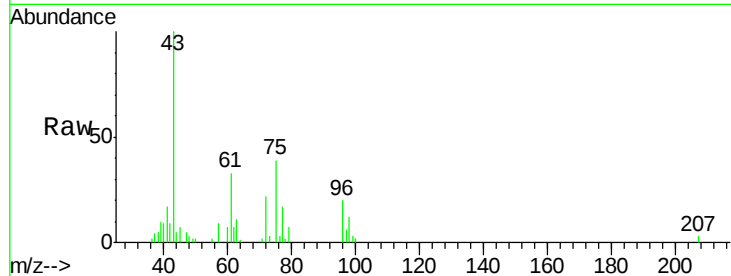
72 22.1 22.2 33.2#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.162 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066314.D

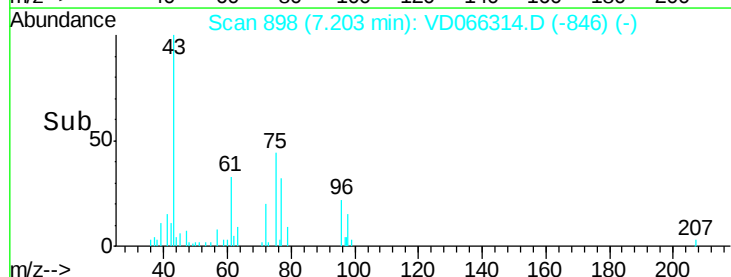
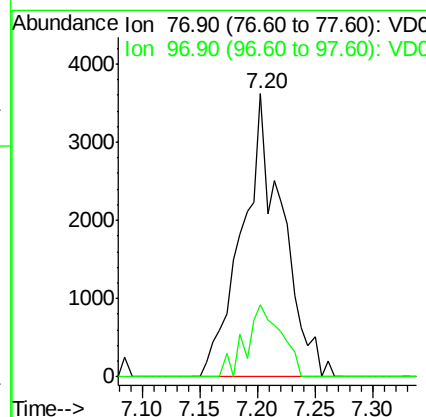
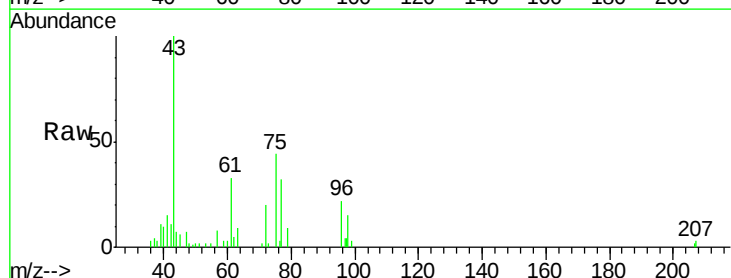
Acq: 19 Aug 2020 13:11

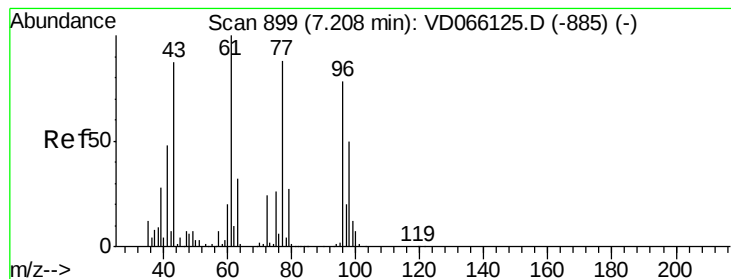
Tgt Ion: 77 Resp: 8774

Ion Ratio Lower Upper

77 100

97 22.0 11.8 35.3





#27

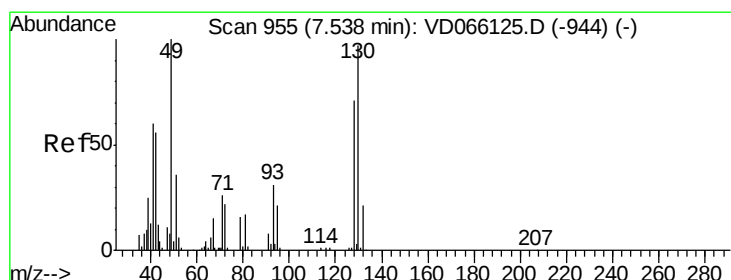
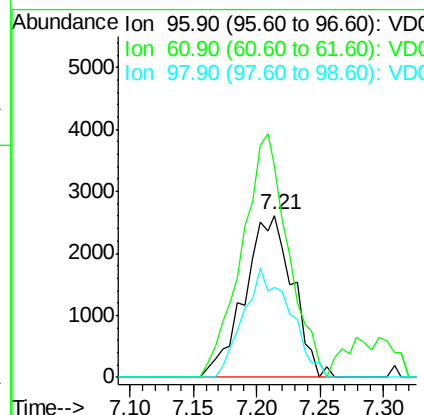
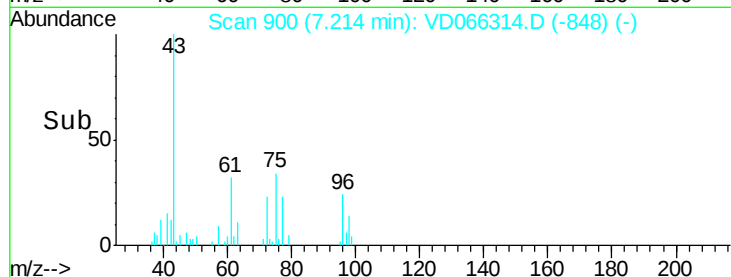
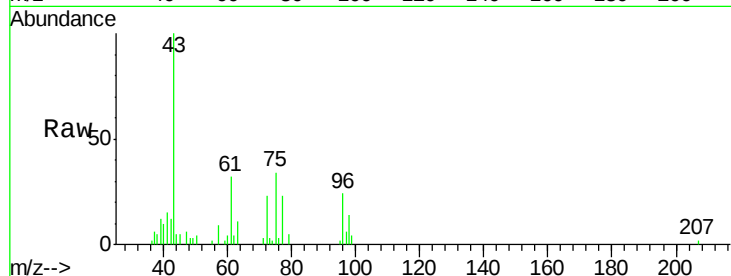
cis-1,2-Dichloroethene
 Concen: 26.095 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	6871		
61	145.9		0.0	281.6
98	64.9		0.0	130.8

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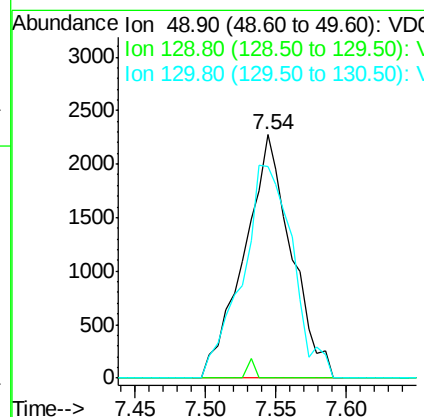
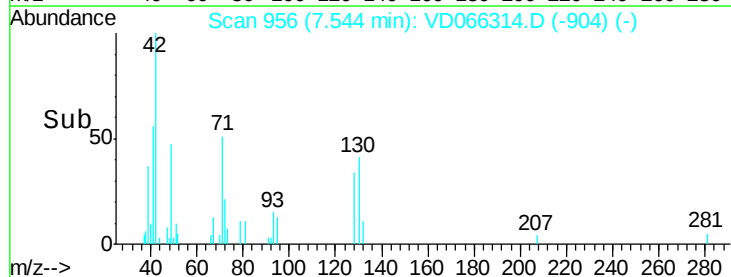
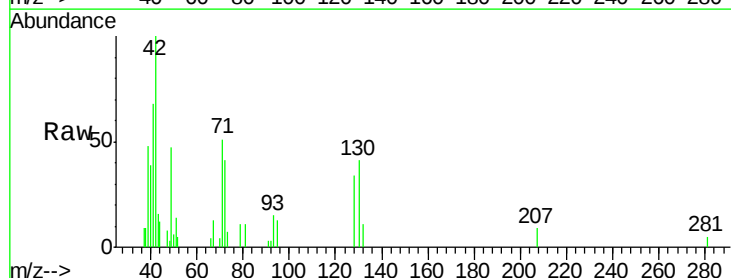
MMDadoda
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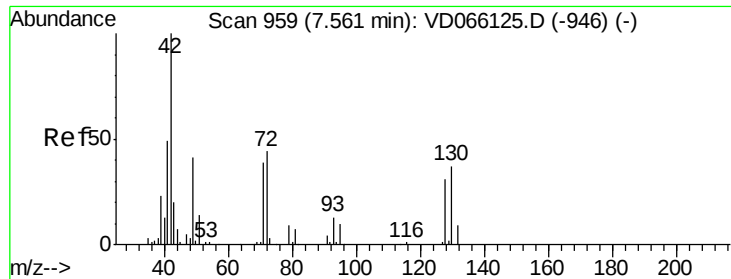


#28

Bromochloromethane
 Concen: 37.351 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	5315		
129	1.2		0.0	6.0
130	93.9		73.8	110.6





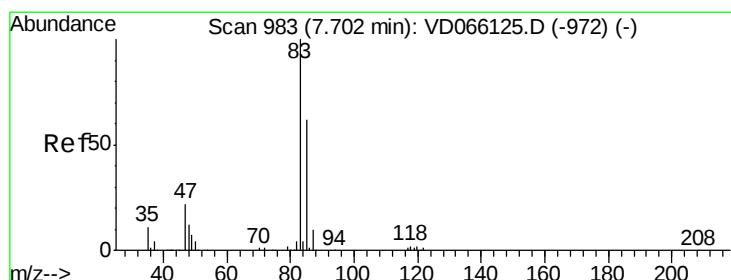
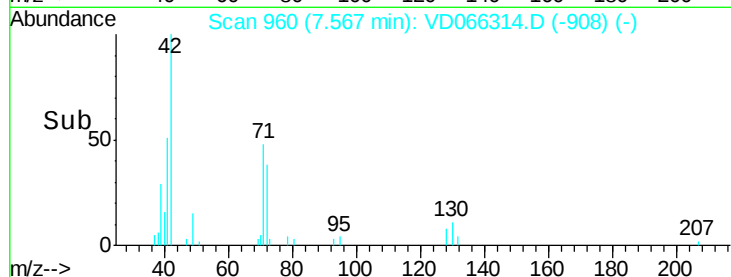
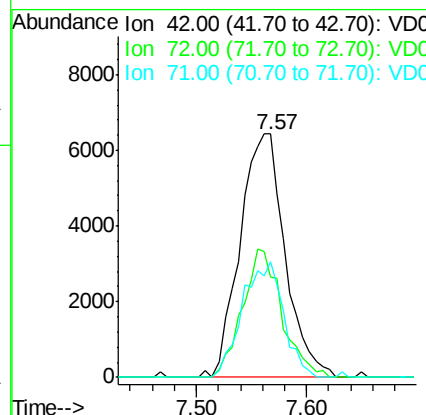
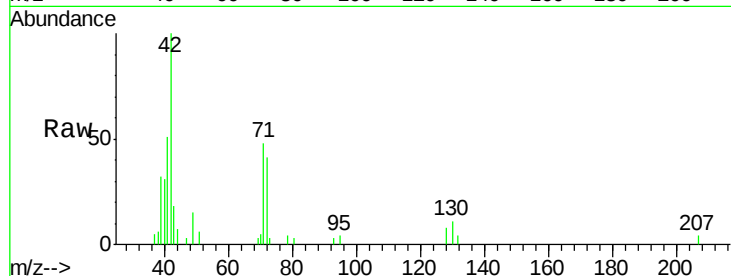
#29
Tetrahydrofuran
Concen: 483.275 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	34.8	52.2
71	43.5	33.5	50.3

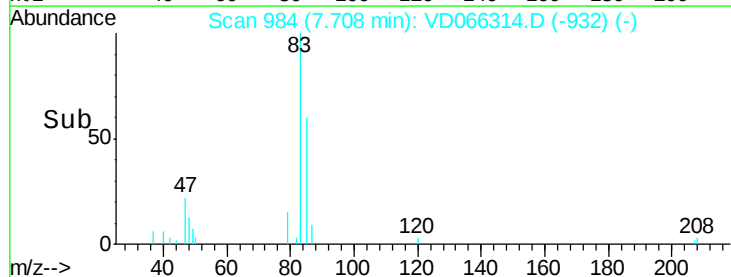
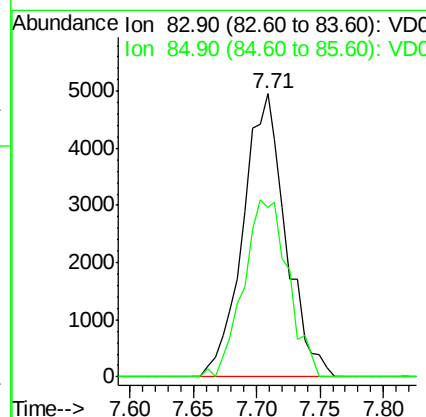
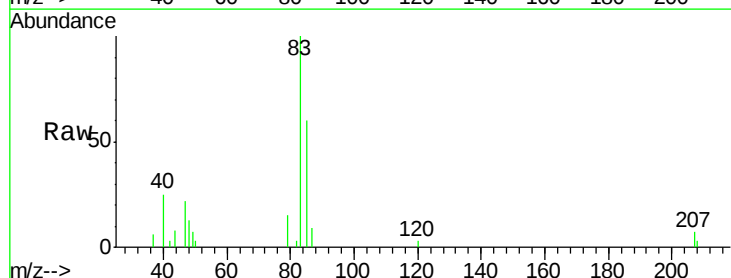
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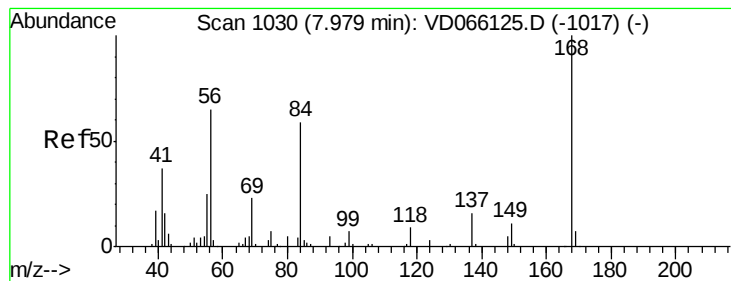
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#30
Chloroform
Concen: 27.250 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.9	49.5	74.3





#31

Cyclohexane

Concen: 17.919 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

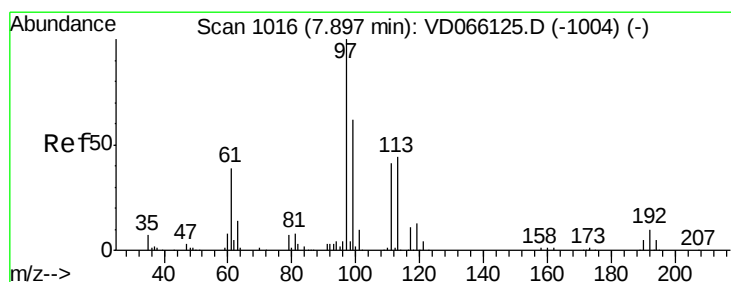
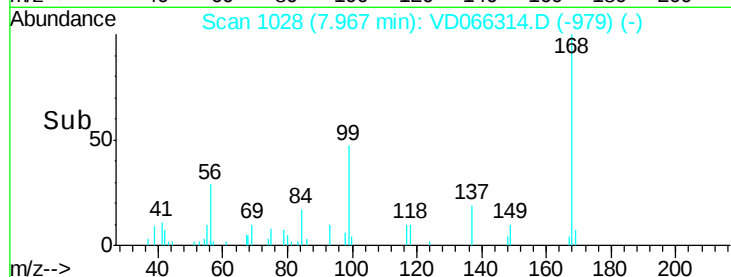
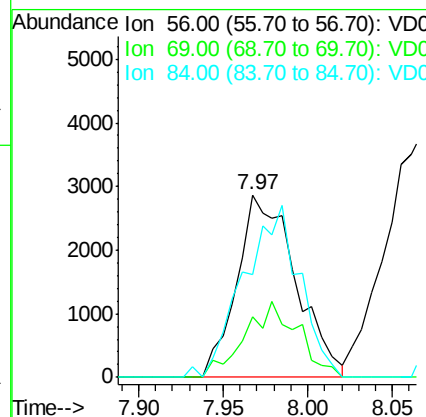
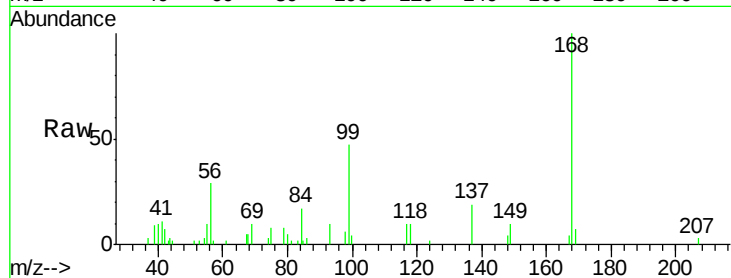
ClientSampleId :

VD0819SBS01

Tot Ion:	56	Resp:	6911
Ion	Ratio	Lower	Upper
56	100		
69	33.0	28.8	43.2
84	56.1	73.0	109.6#

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#32

1,1,1-Trichloroethane

Concen: 22.565 ug/l

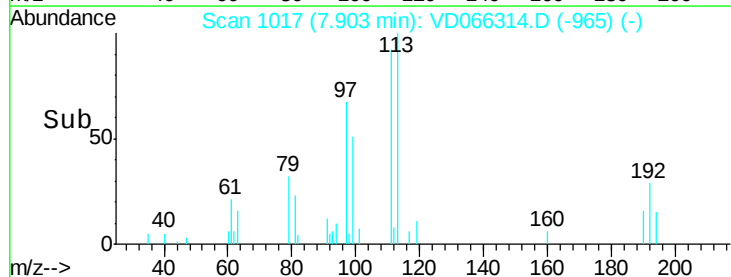
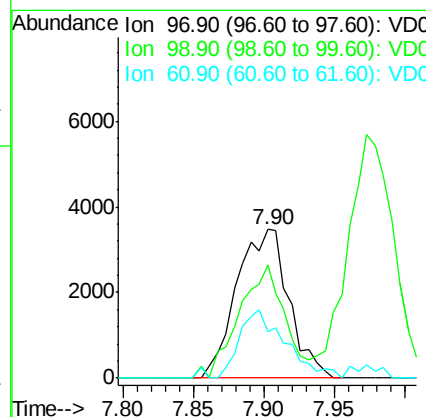
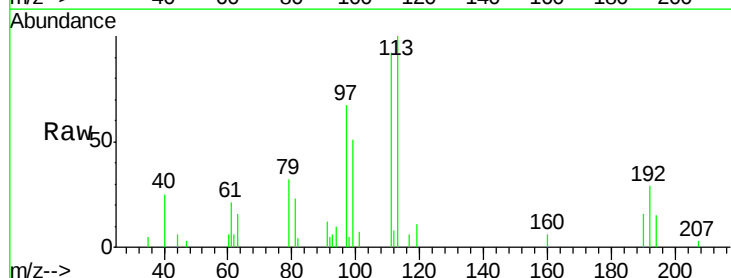
RT: 7.90 min Scan# 1017

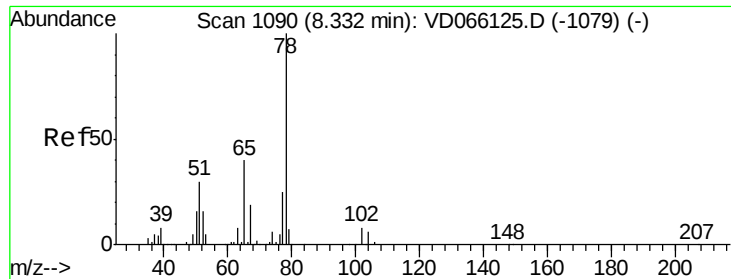
Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Tgt Ion:	97	Resp:	9001
Ion	Ratio	Lower	Upper
97	100		
99	66.6	51.1	76.7
61	40.3	32.7	49.1





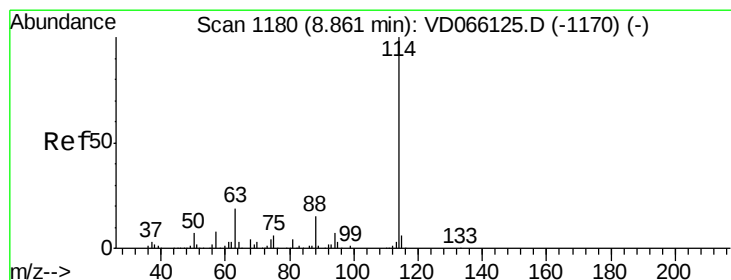
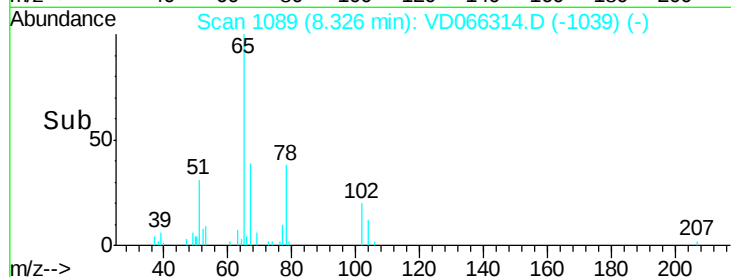
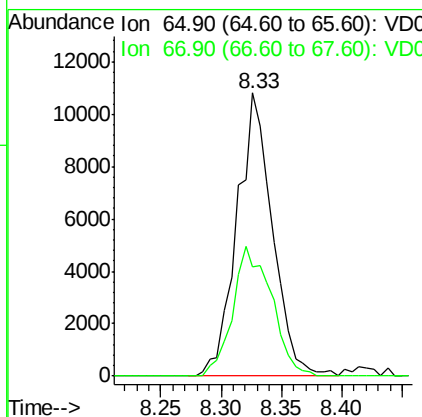
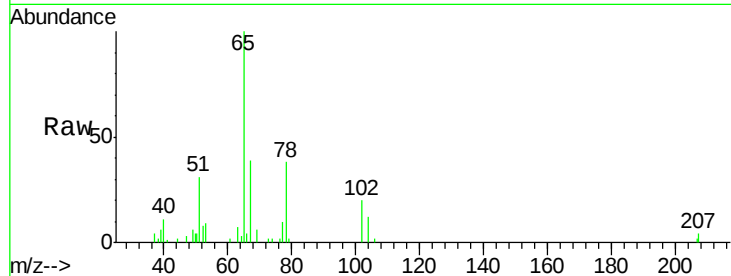
#33
 1,2-Dichloroethane-d4
 Concen: 100.550 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	22135		
67	49.9	0.0	104.6	

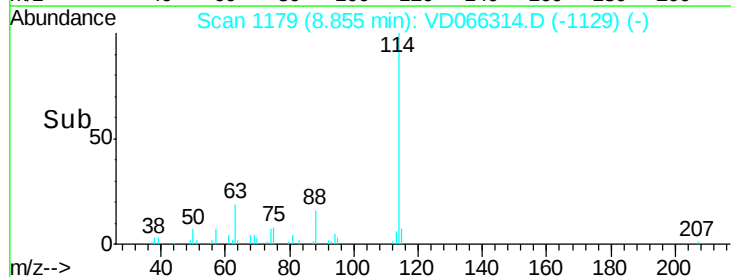
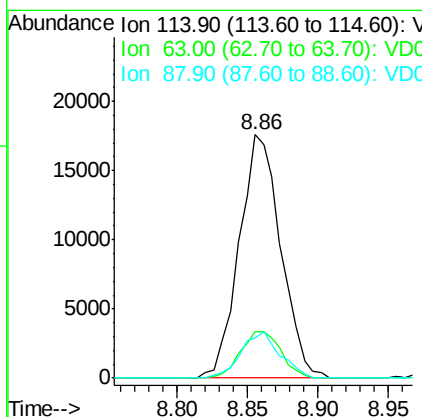
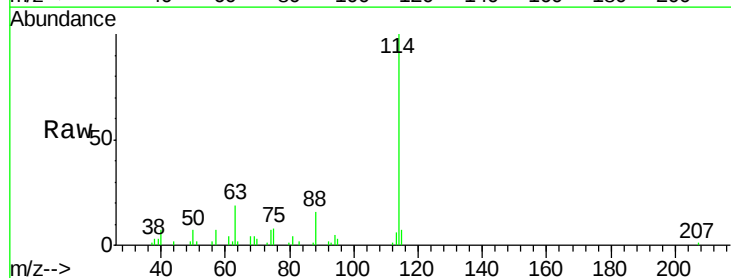
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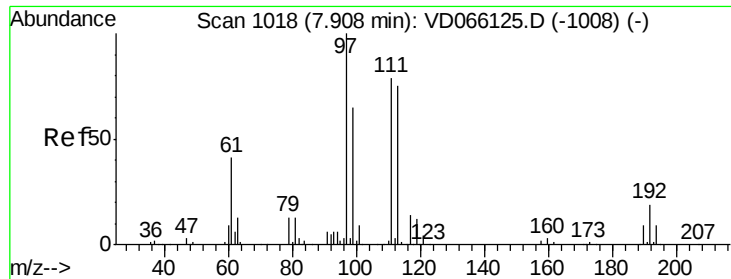
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	36212		
63	19.1	0.0	38.6	
88	16.4	0.0	30.0	





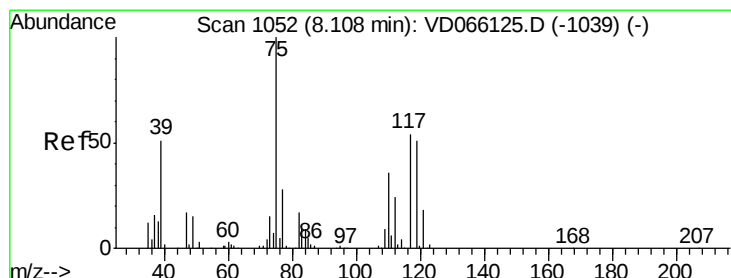
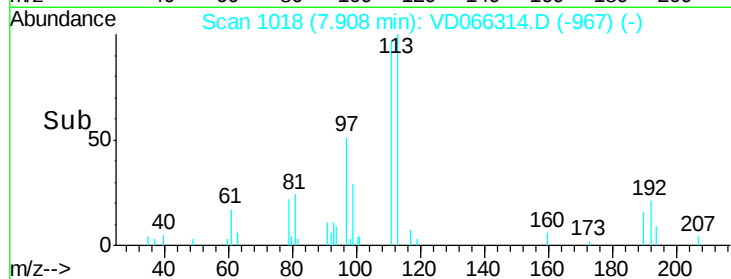
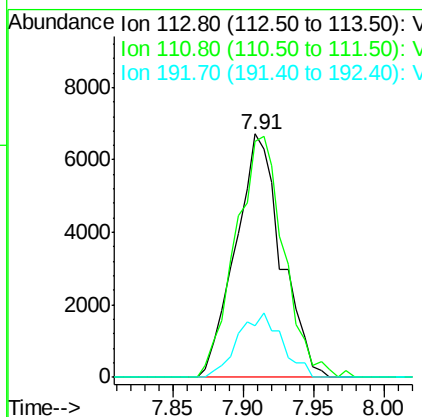
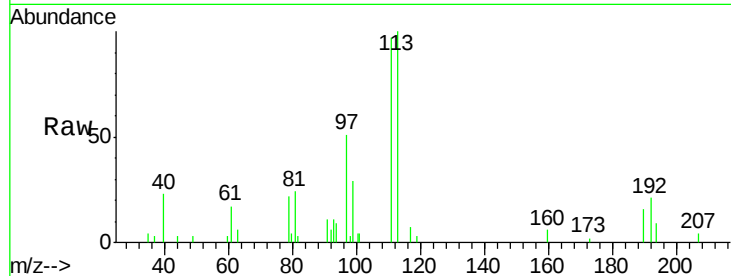
#35
 Dibromofluoromethane
 Concen: 66.452 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	80.7	121.1
192	25.5	18.4	27.6

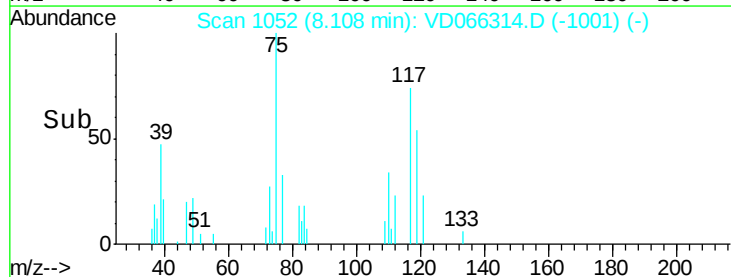
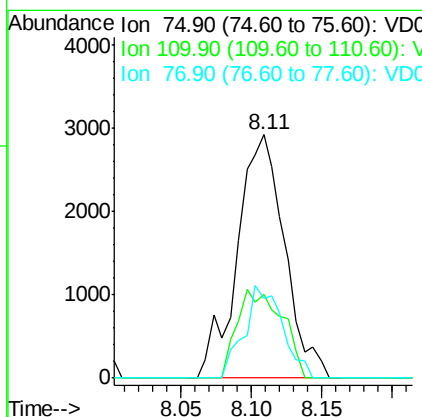
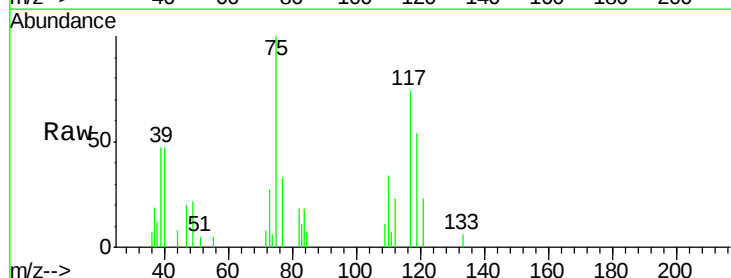
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#36
 1,1-Dichloropropene
 Concen: 20.130 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	18.8	56.3
77	30.7	24.2	36.2





#37

Ethyl Acetate

Concen: 83.857 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

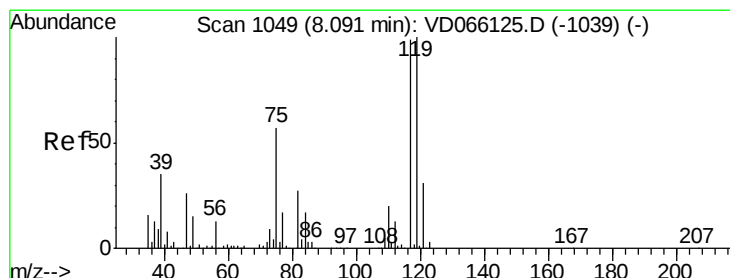
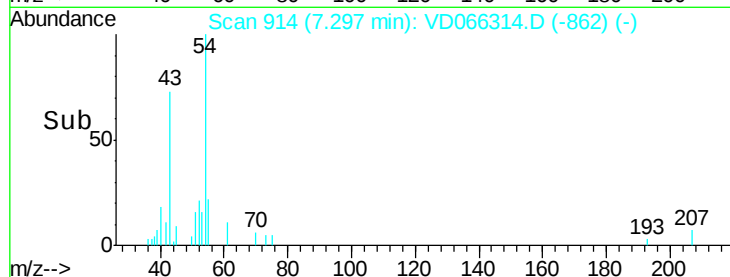
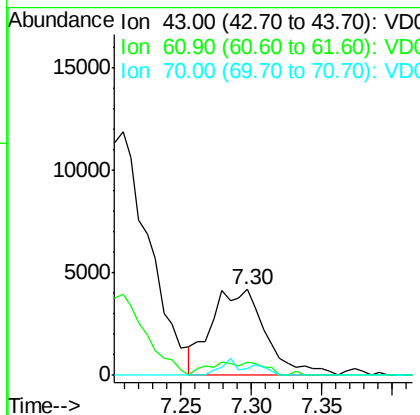
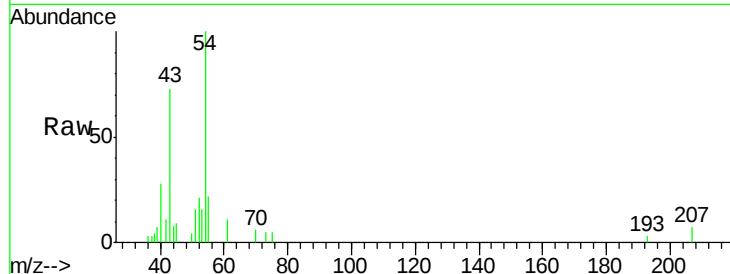
ClientSampleId :

VD0819SBS01

Tot Ion	43	Resp	11306
Ion Ratio	Lower	Upper	
43	100		
61	8.7	12.0	18.0#
70	6.6	9.7	14.5#

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#38

Carbon Tetrachloride

Concen: 20.558 ug/l

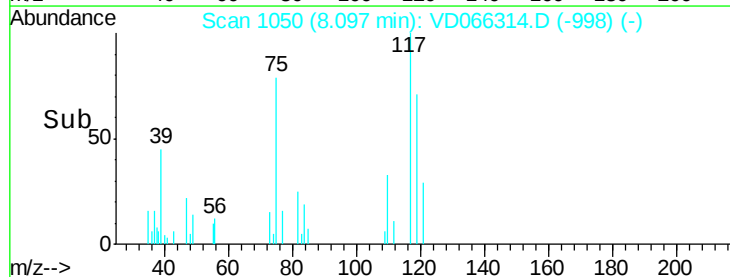
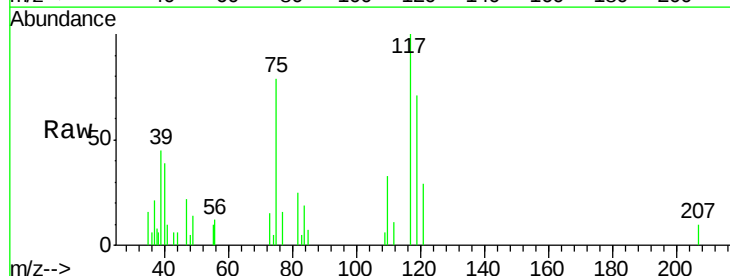
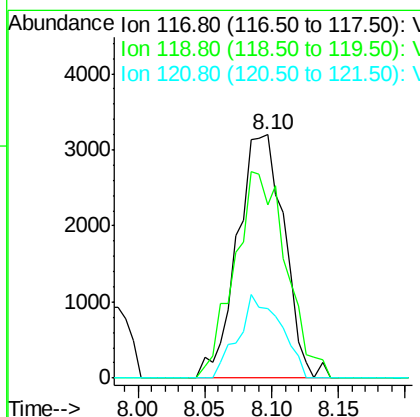
RT: 8.10 min Scan# 1050

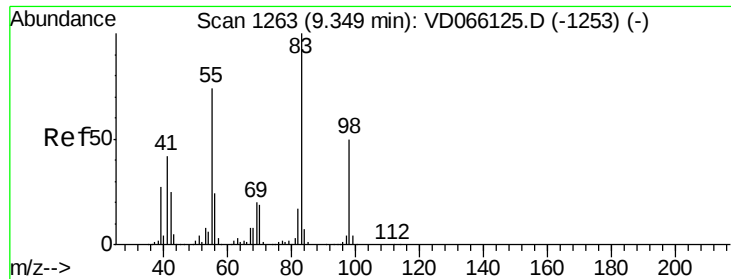
Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Tgt Ion	117	Resp	7801
Ion Ratio	Lower	Upper	
117	100		
119	71.0	81.0	121.4#
121	28.7	24.8	37.2





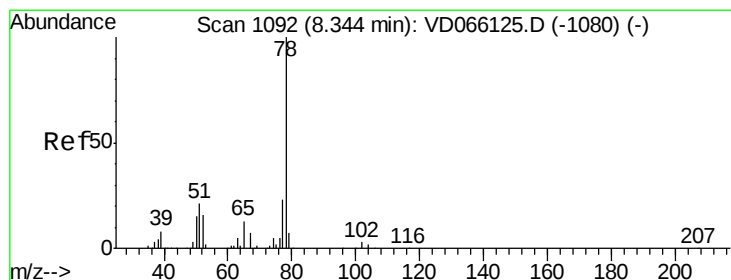
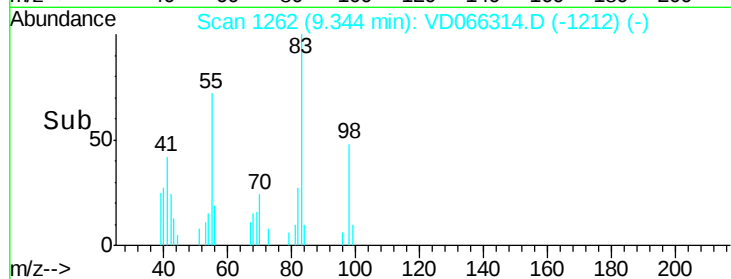
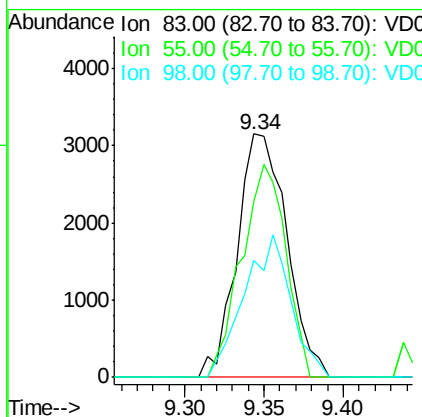
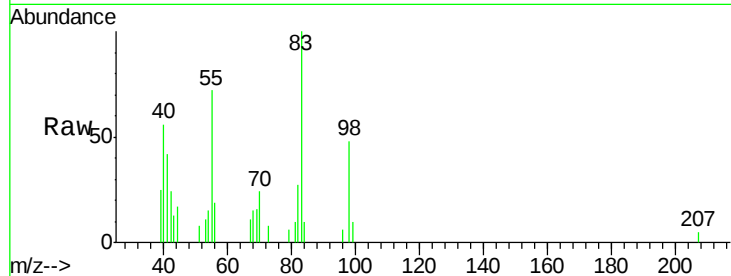
#39
Methvlcvclohexane
Concen: 16.674 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	6859		
55	72.2		59.2	88.8
98	48.0		39.8	59.6

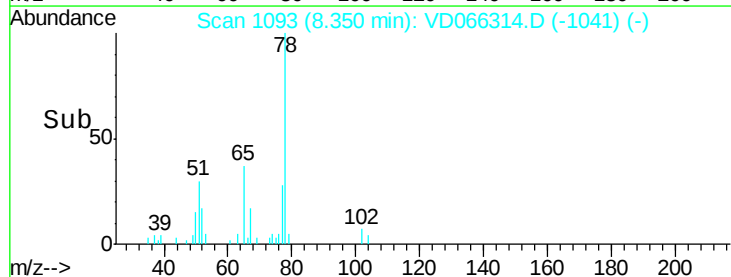
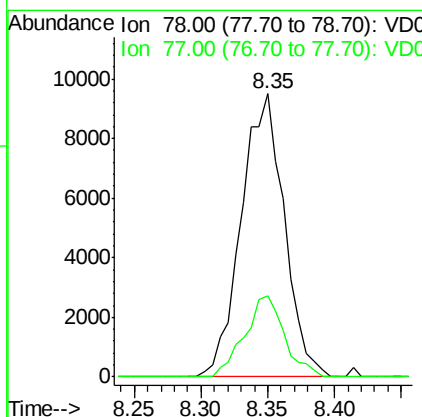
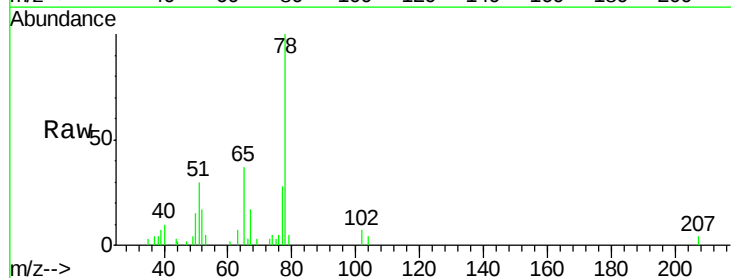
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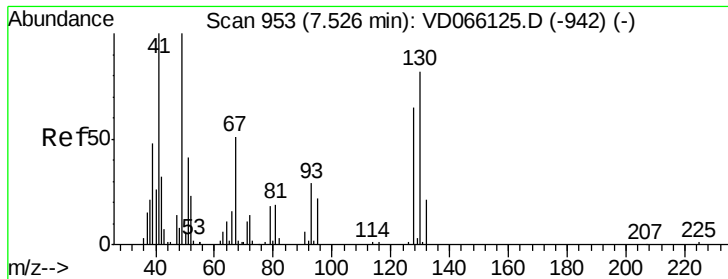
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#40
Benzene
Concen: 22.411 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	21155		
77	28.5		18.6	27.8#





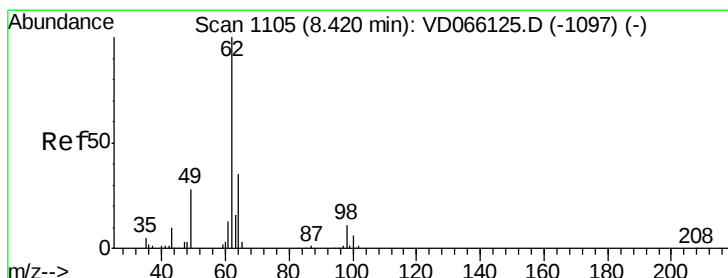
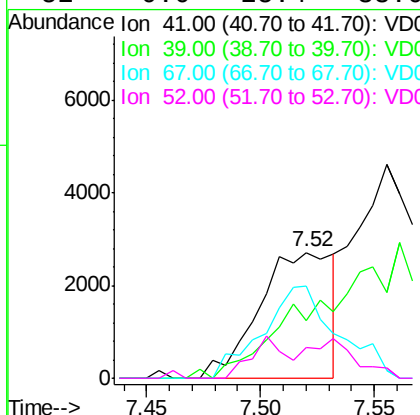
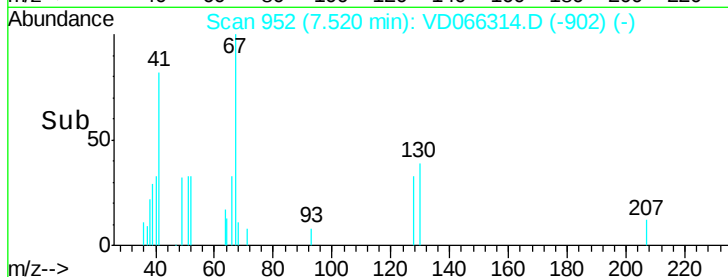
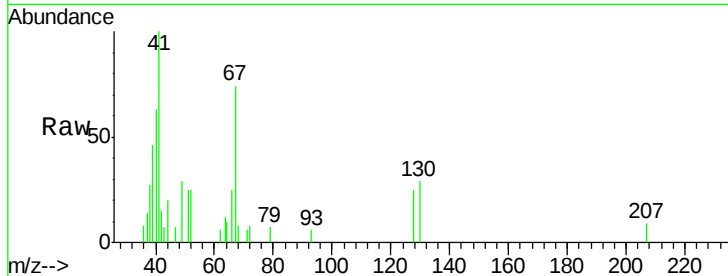
#41
Methacrylonitrile
Concen: 78.123 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	101.0	47.5	71.3#
67	0.0	59.1	88.7#
52	0.0	25.4	38.0#

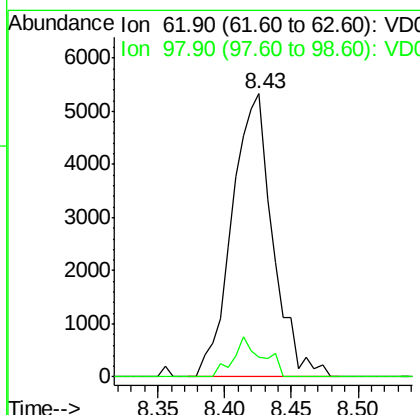
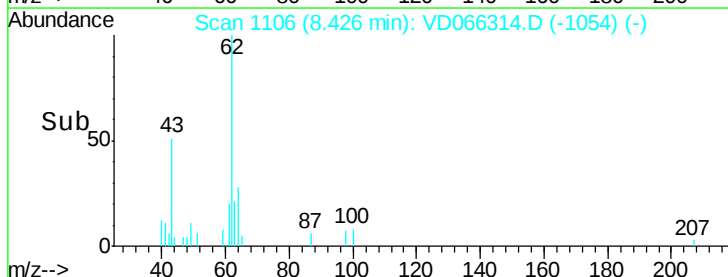
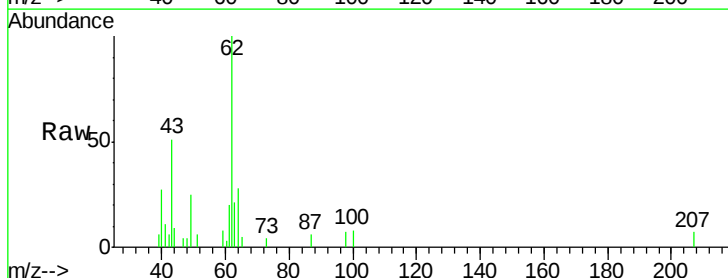
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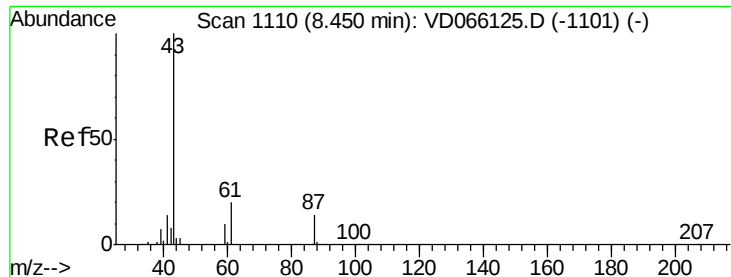
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#42
1,2-Dichloroethane
Concen: 40.647 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





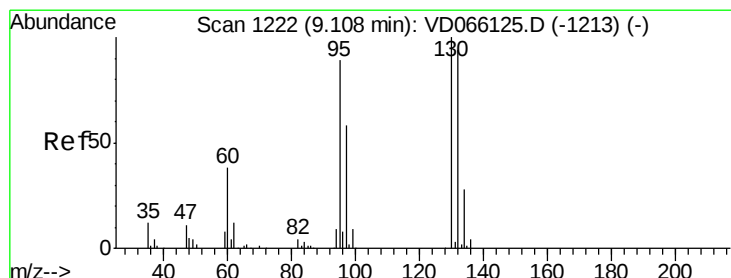
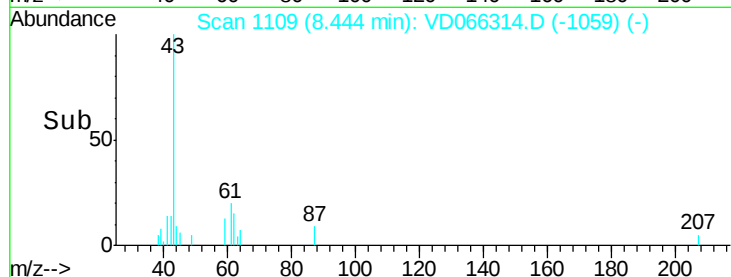
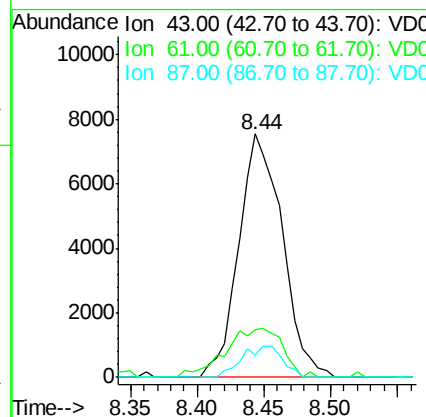
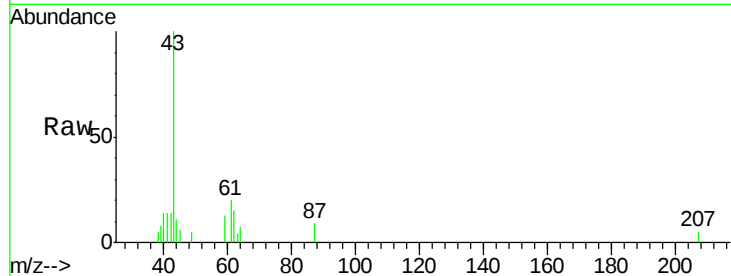
#43
Isopropyl Acetate
Concen: 64.266 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	25.5	38.3
87	12.0	11.2	16.8

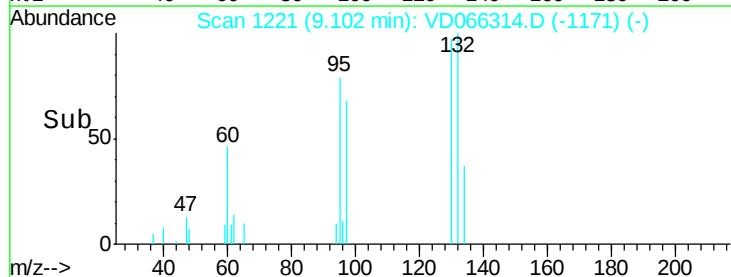
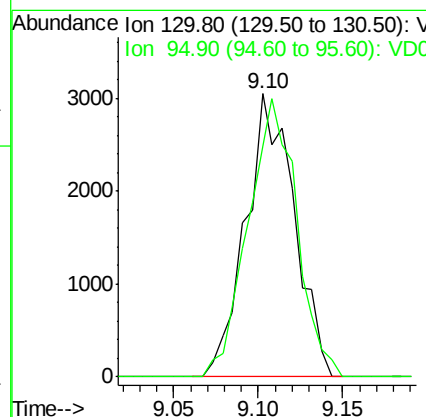
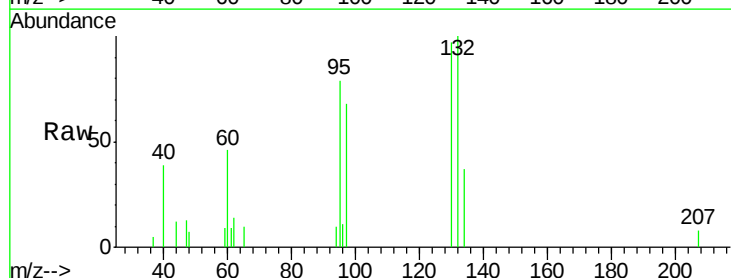
Manual Integrations
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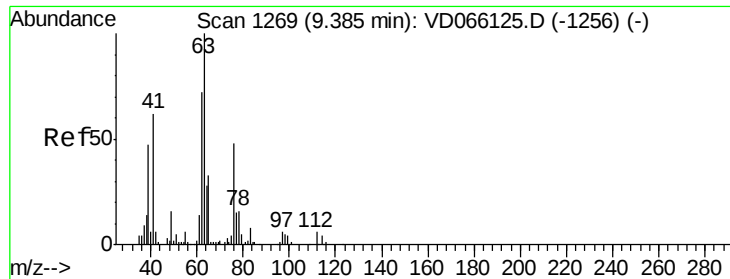
MMDadoda
8/20/2020 3:36:52 PM



#44
Trichloroethene
Concen: 21.297 ug/l
RT: 9.10 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.4	0.0	178.4





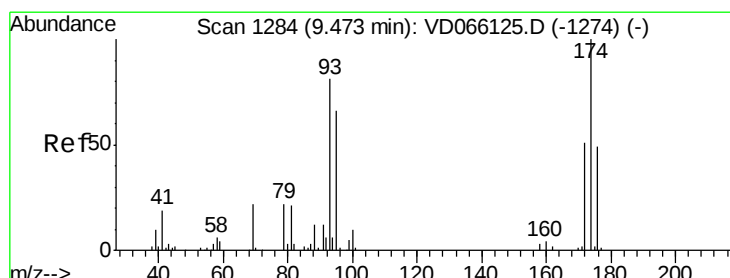
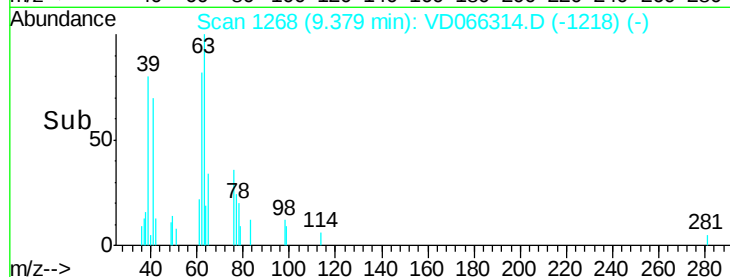
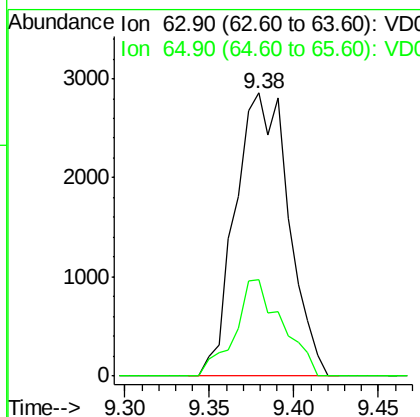
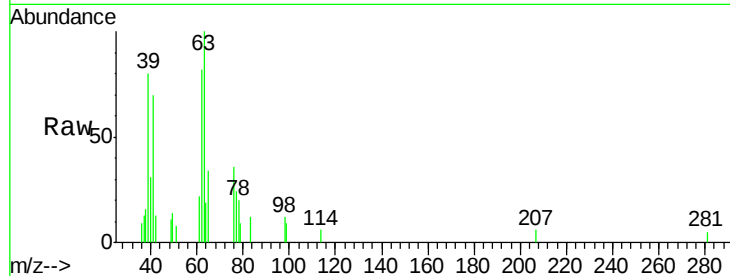
#45
 1,2-Dichloropropane
 Concen: 27.171 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion: 63 Resp: 6273
 Ion Ratio Lower Upper
 63 100
 65 34.1 26.5 39.7

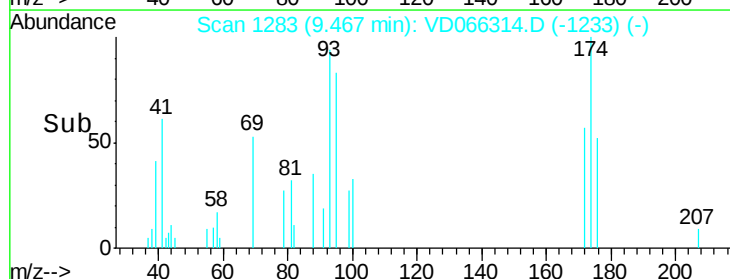
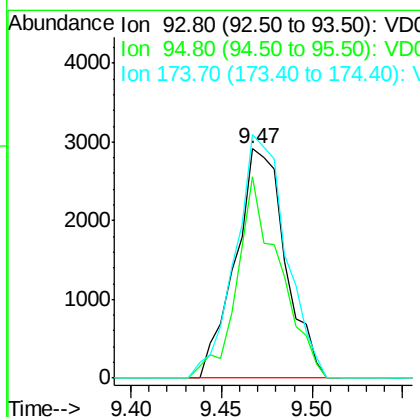
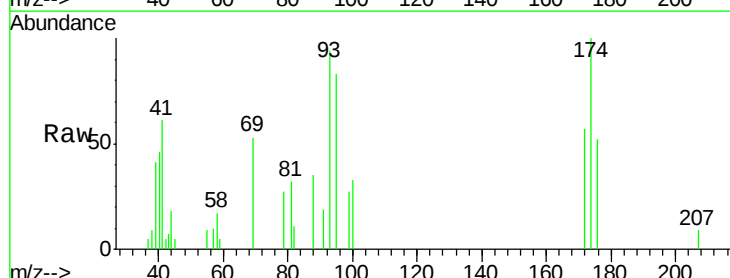
Manual Integrations
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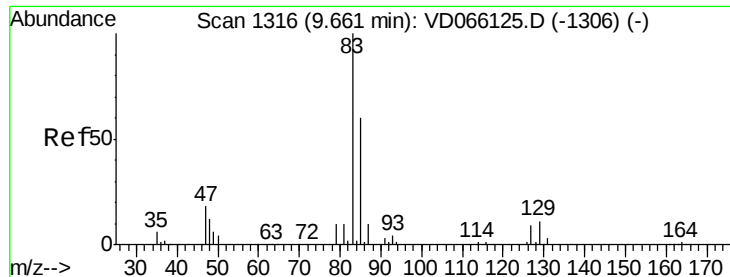
MMDadoda
 8/20/2020 3:36:52 PM



#46
 Dibromomethane
 Concen: 43.784 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion: 93 Resp: 5568
 Ion Ratio Lower Upper
 93 100
 95 75.1 65.8 98.6
 174 107.2 92.8 139.2





#47

Bromodichloromethane

Concen: 31.151 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

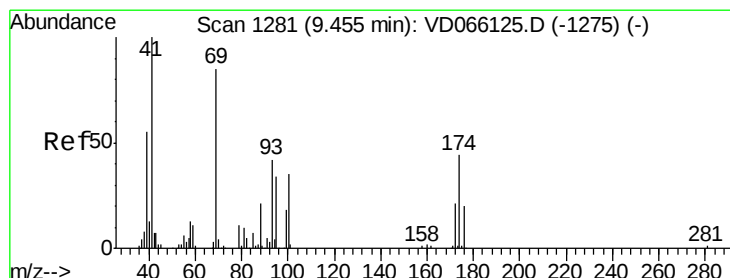
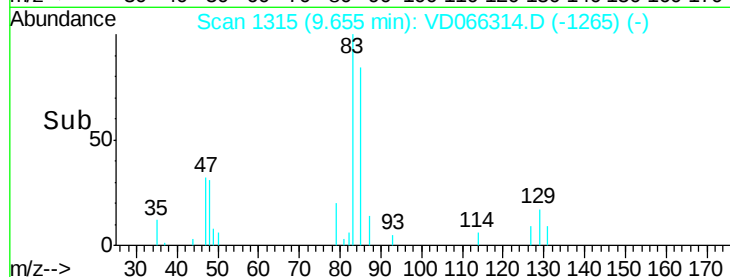
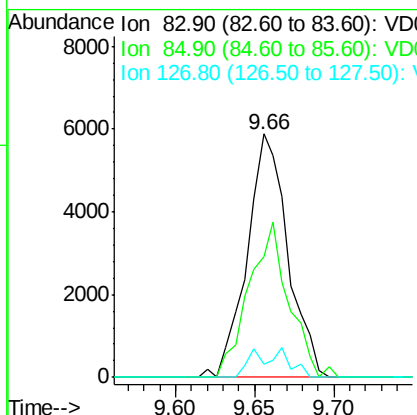
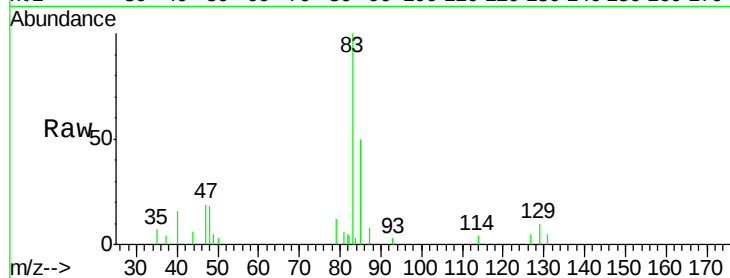
ClientSampleId :

VD0819SBS01

Tot Ion:	83	Resp:	10470
Ion Ratio	Lower	Upper	
83	100		
85	49.5	48.2	72.4
127	5.4	7.3	10.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 62.296 ug/l

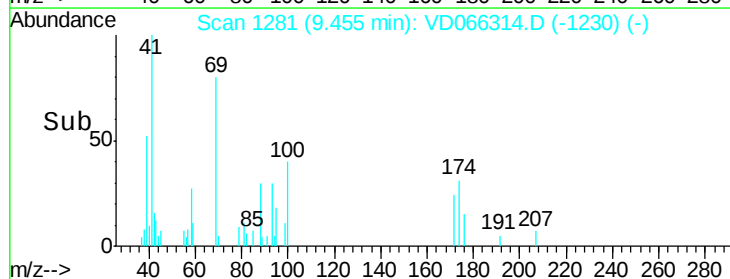
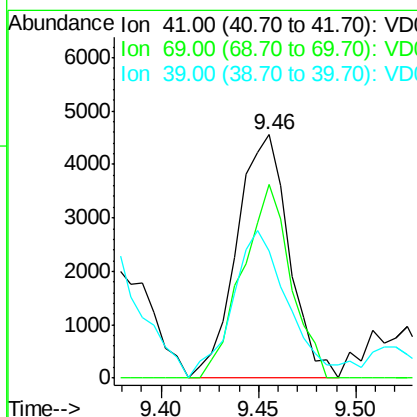
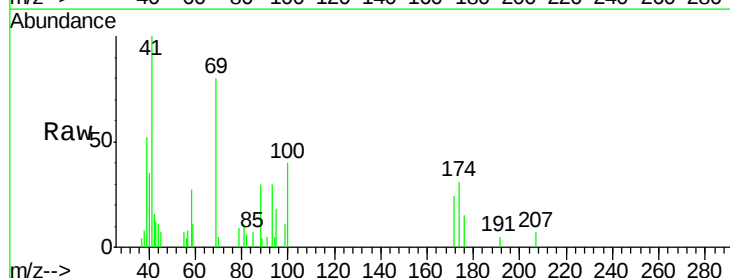
RT: 9.46 min Scan# 1281

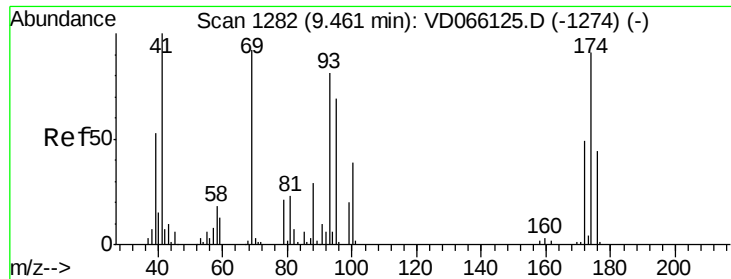
Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Tgt Ion:	41	Resp:	8450
Ion Ratio	Lower	Upper	
41	100		
69	74.1	63.9	95.9
39	63.9	42.6	64.0





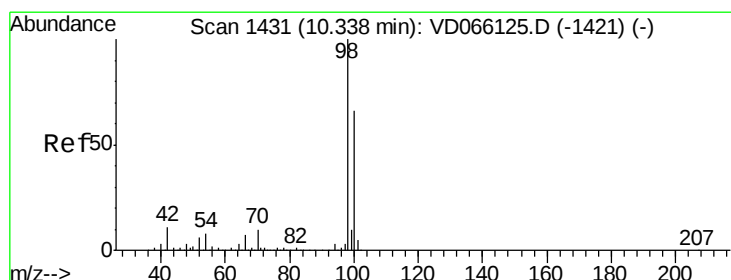
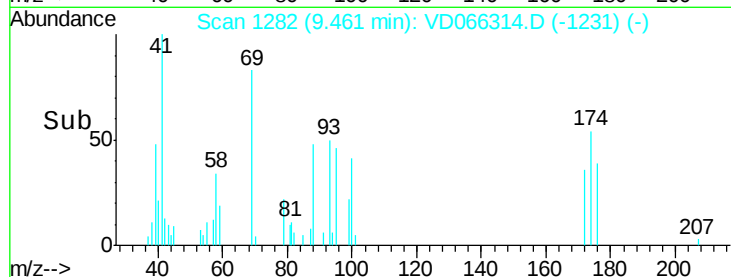
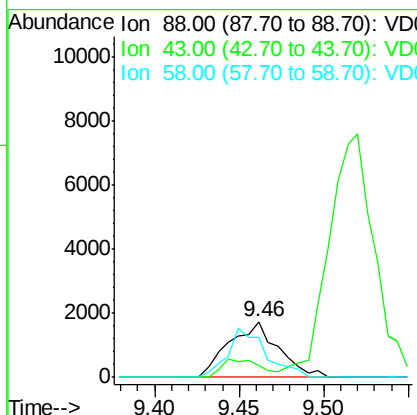
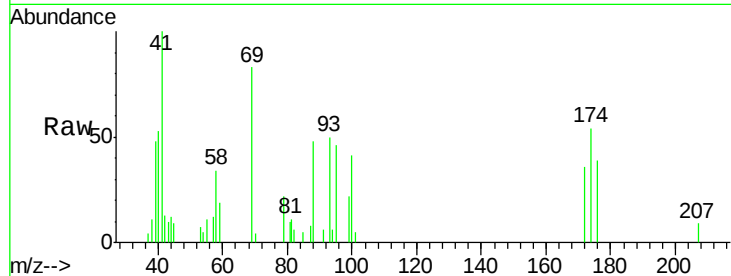
#49
1,4-Dioxane
Concen: 2150.192 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	88	Resp	3513
Ion	Ratio	Lower	Upper
88	100		
43	26.0	27.5	41.3#
58	68.9	50.2	75.4

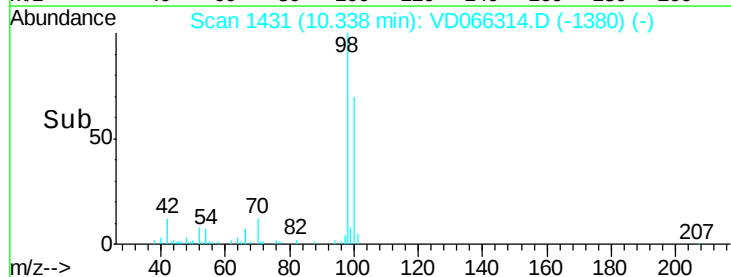
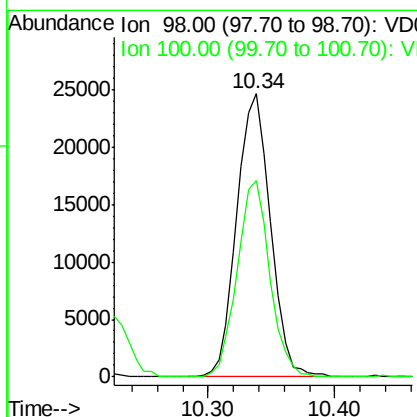
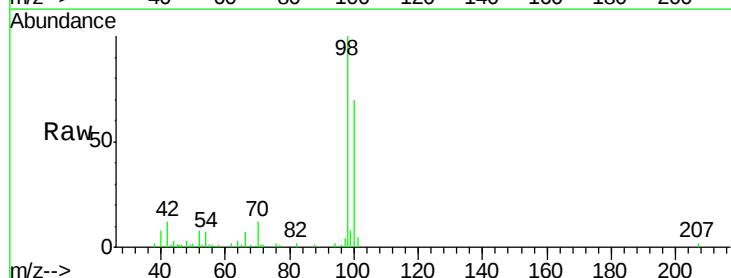
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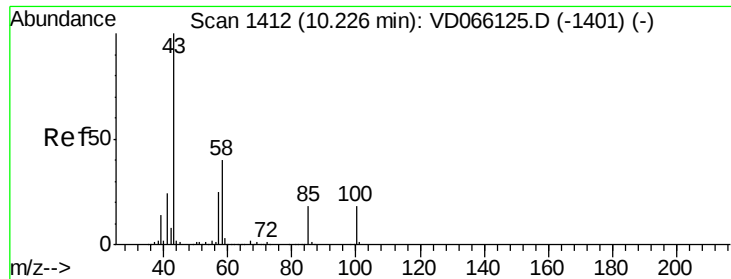
MMDadoda
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#50
Toluene-d8
Concen: 53.716 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion	98	Resp	45473
Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 394.099 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 43 Resp: 53775

Ion Ratio Lower Upper

43 100

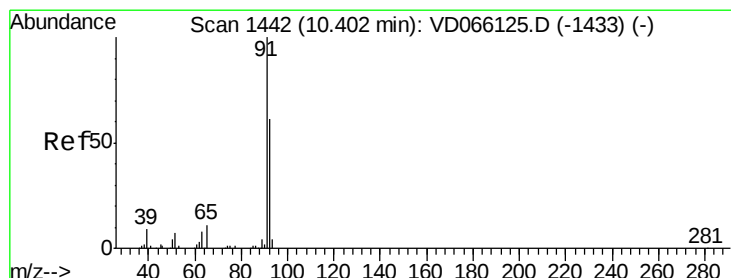
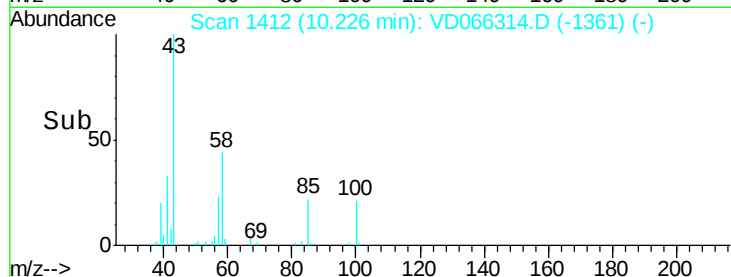
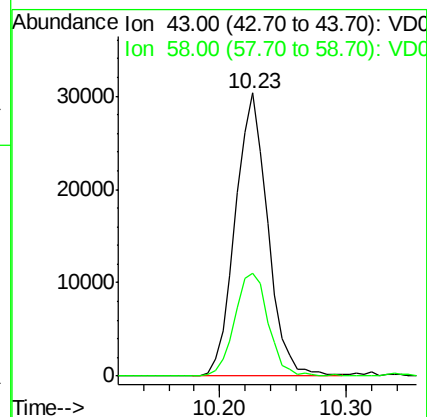
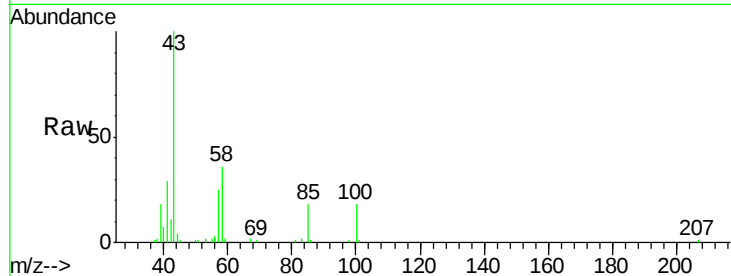
58 37.5 31.1 46.7

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#52

Toluene

Concen: 23.505 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066314.D

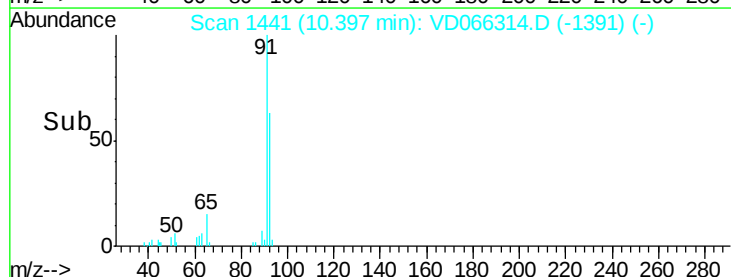
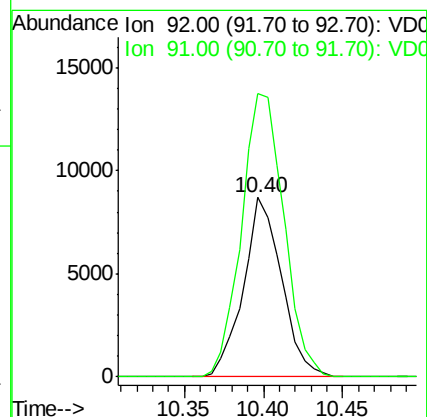
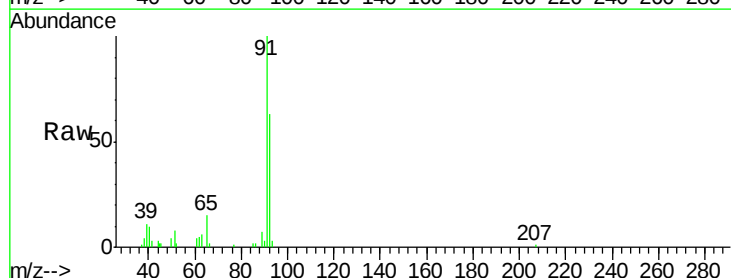
Acq: 19 Aug 2020 13:11

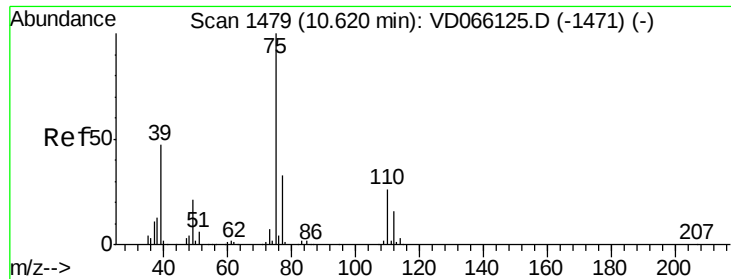
Tgt Ion: 92 Resp: 14600

Ion Ratio Lower Upper

92 100

91 174.6 135.2 202.8





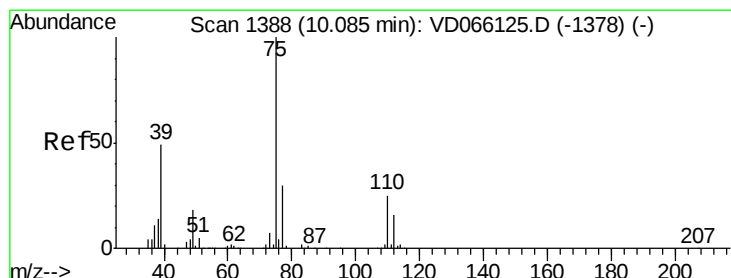
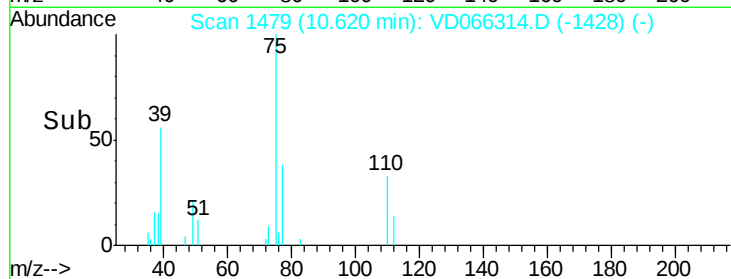
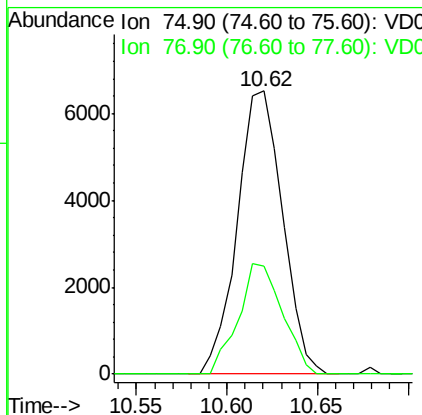
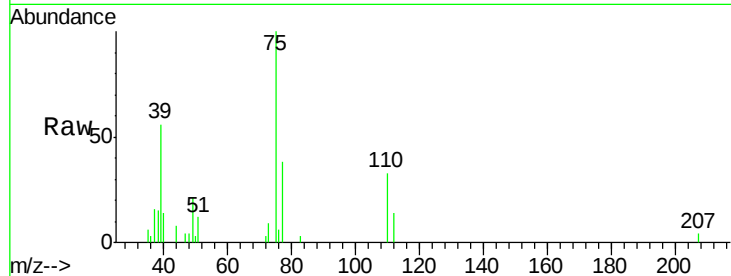
#53
t-1,3-Dichloropropene
Concen: 35.524 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	38.3	26.2	39.2

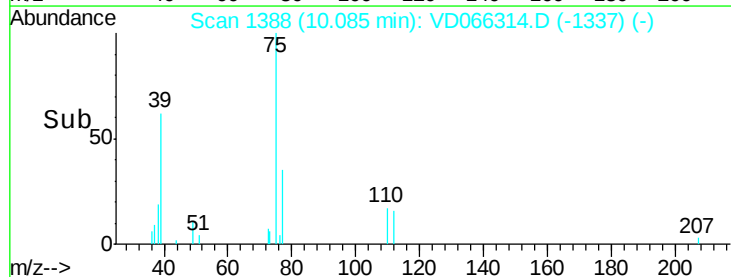
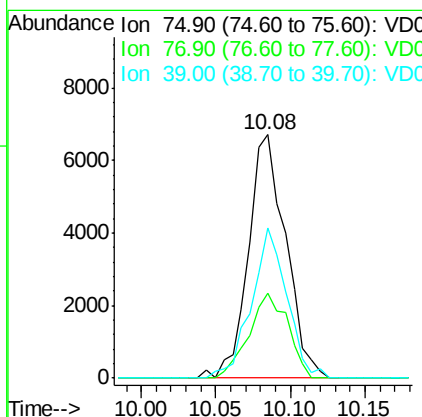
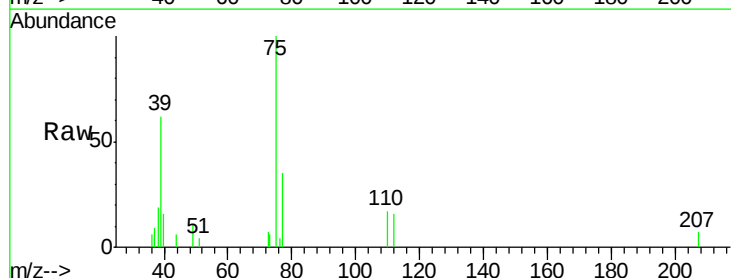
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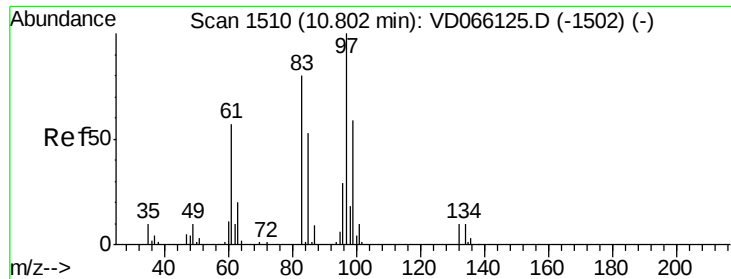
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 31.002 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.0	24.3	36.5
39	61.6	39.3	58.9#





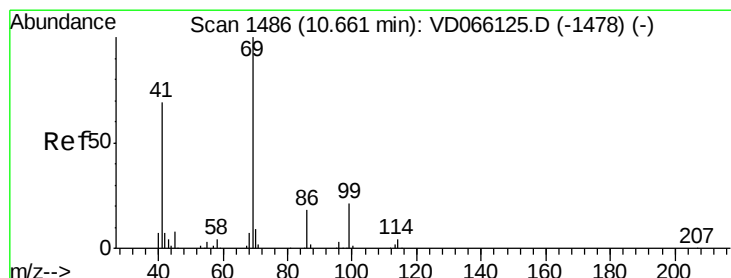
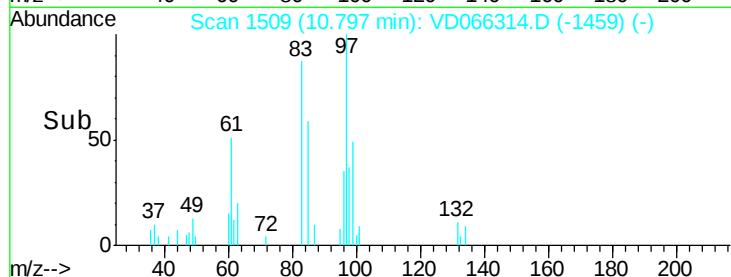
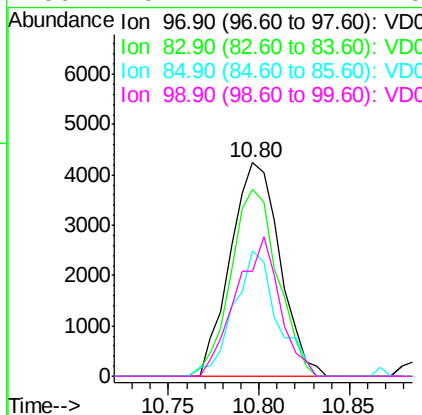
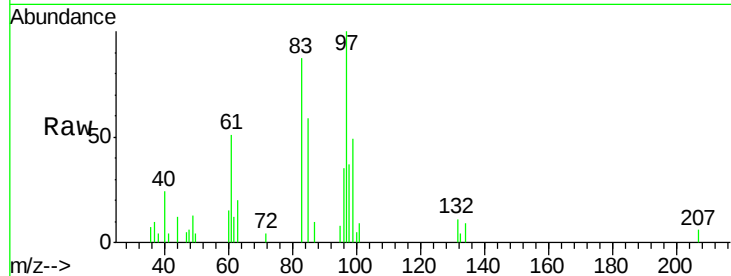
#55
 1,1,2-Trichloroethane
 Concen: 43.955 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion:	97	Resp:	8049
Ion	Ratio	Lower	Upper
97	100		
83	87.3	63.9	95.9
85	59.0	42.5	63.7
99	49.1	47.4	71.0

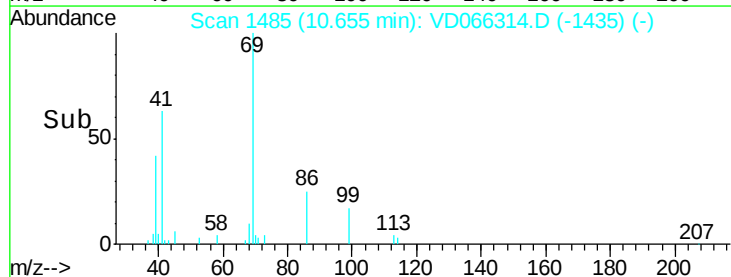
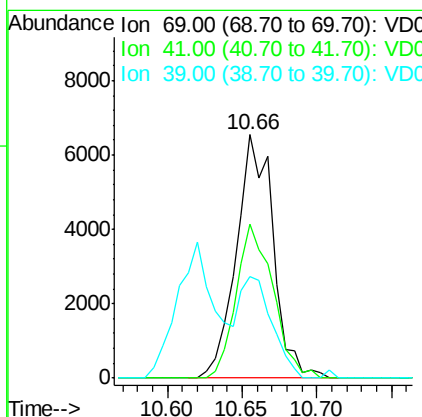
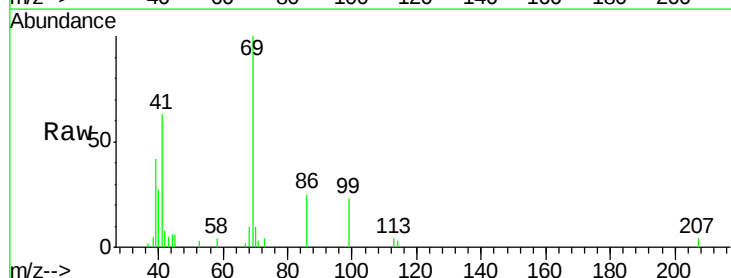
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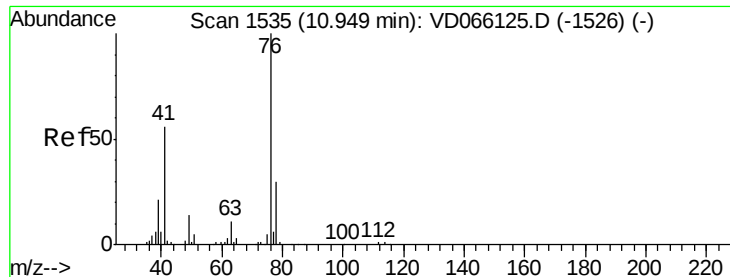
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#56
 Ethyl methacrylate
 Concen: 50.905 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion:	69	Resp:	11198
Ion	Ratio	Lower	Upper
69	100		
41	63.6	54.1	81.1
39	36.2	28.6	43.0





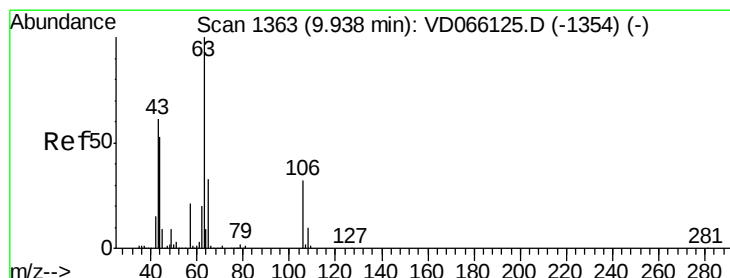
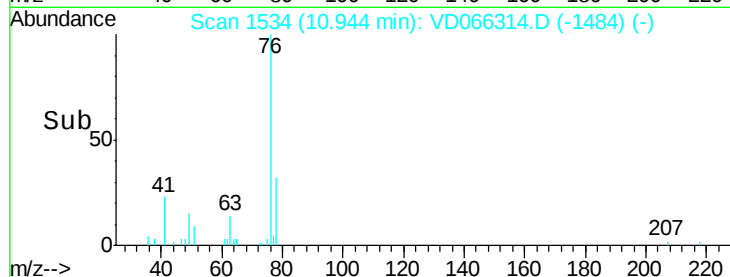
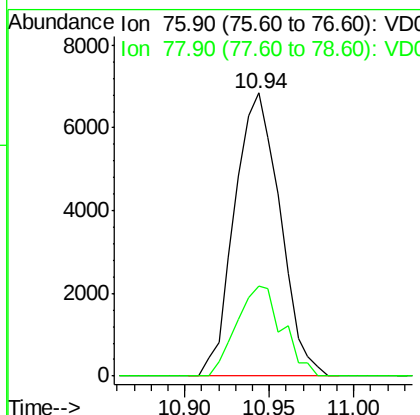
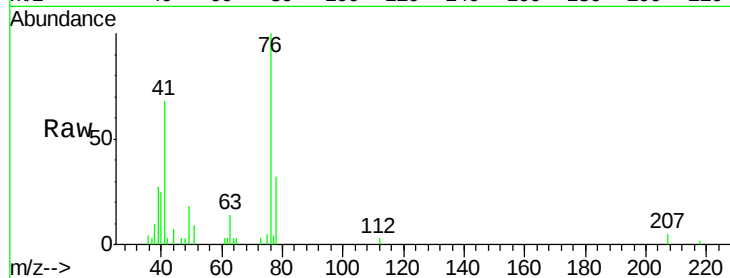
#57
 1,3-Dichloropropane
 Concen: 42.213 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

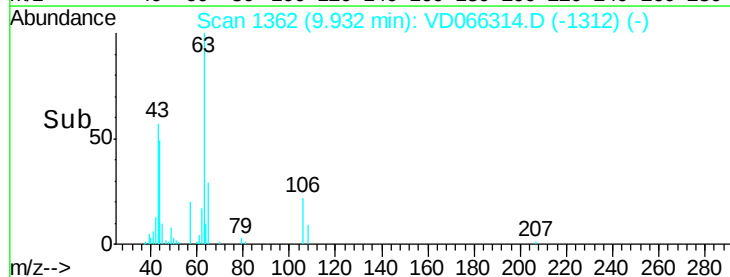
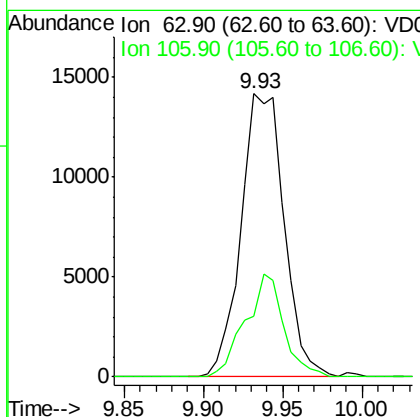
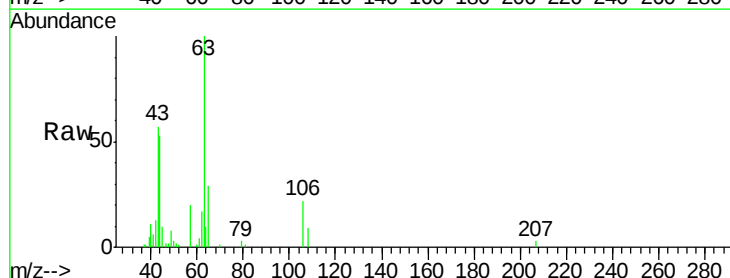
Manual Integrations
 APPROVED

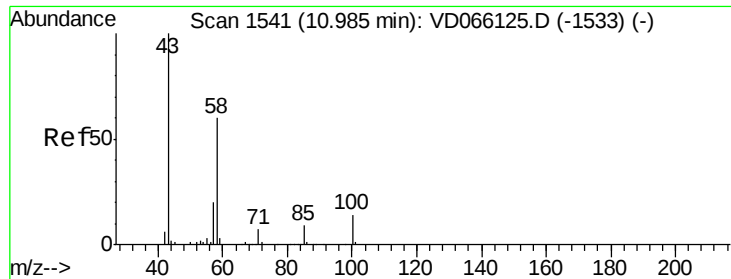
MMDadoda
 8/20/2020 3:36:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.484 ug/l
 RT: 9.93 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.1	25.3	37.9





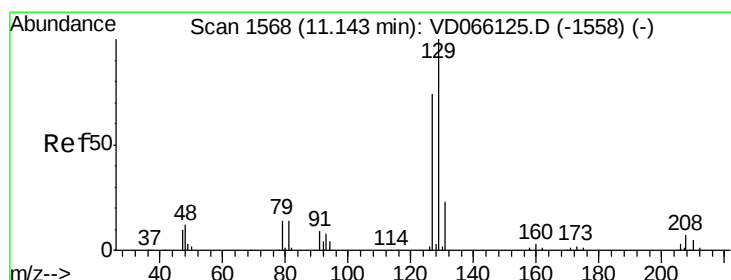
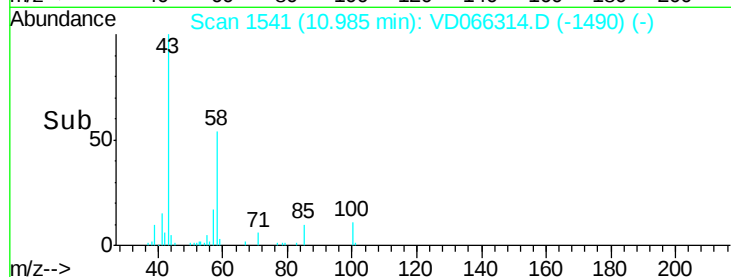
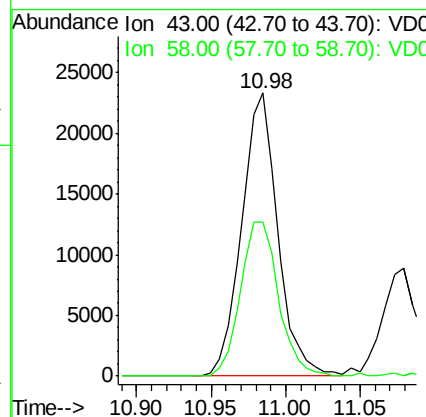
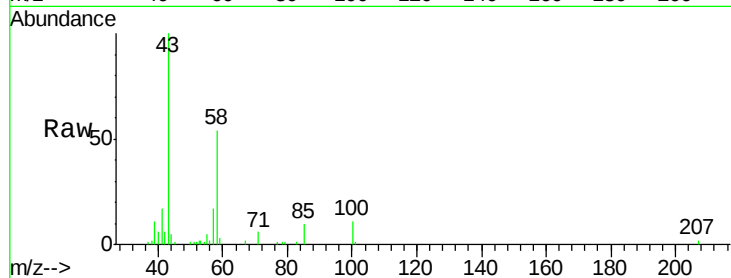
#59
2-Hexanone
Concen: 408.319 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tot Ion: 43 Resp: 39102
Ion Ratio Lower Upper
43 100
58 57.4 27.8 83.4

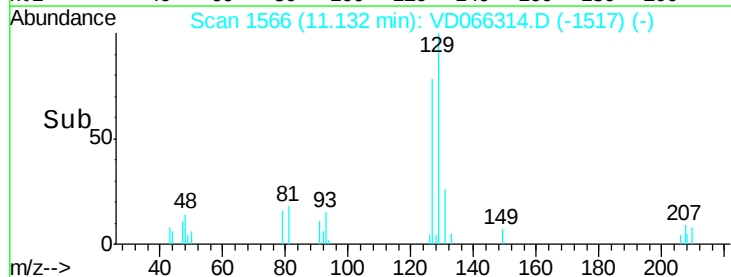
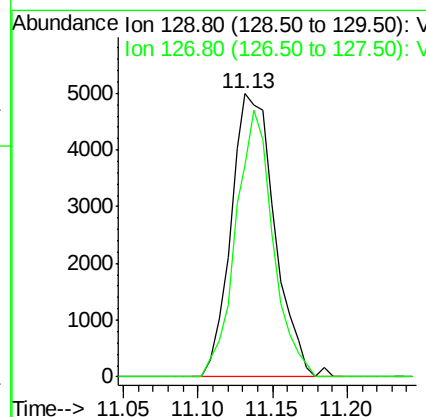
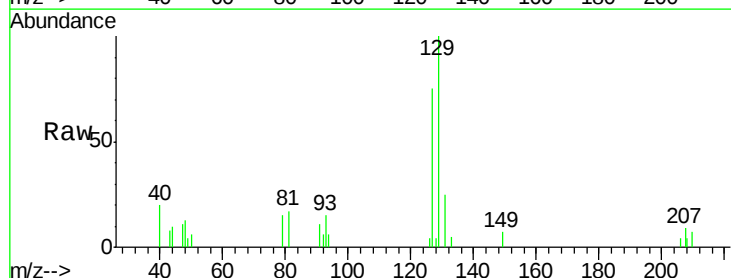
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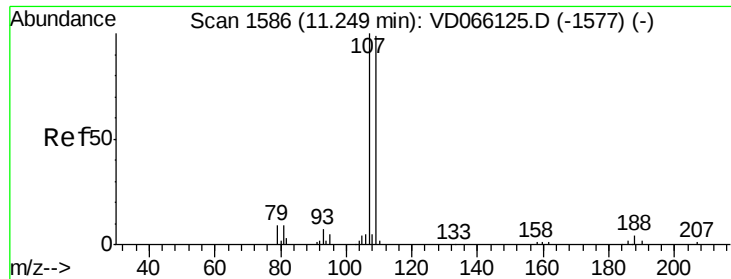
MMDadoda
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#60
Dibromochloromethane
Concen: 40.105 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 129 Resp: 10139
Ion Ratio Lower Upper
129 100
127 80.5 38.0 114.1





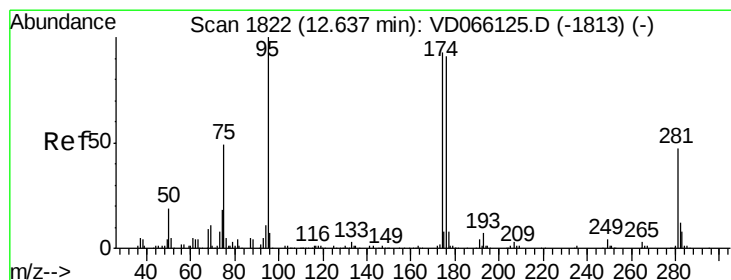
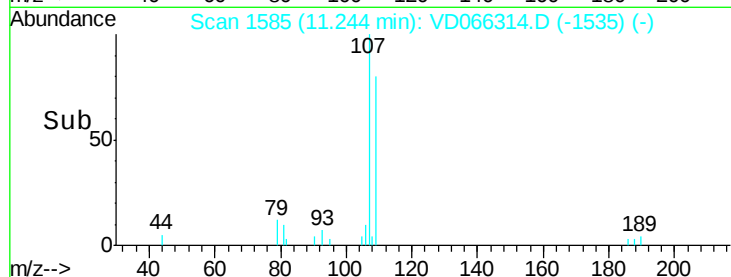
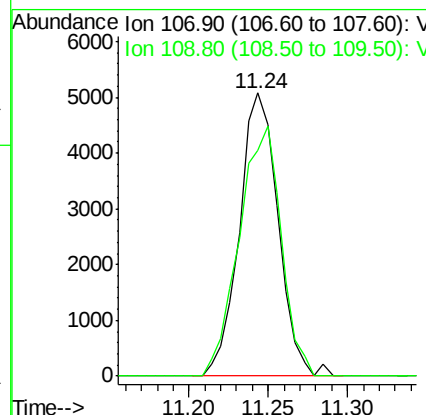
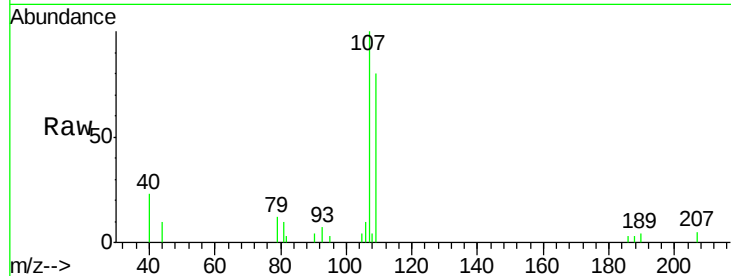
#61
 1,2-Dibromoethane
 Concen: 49.078 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.5	114.7

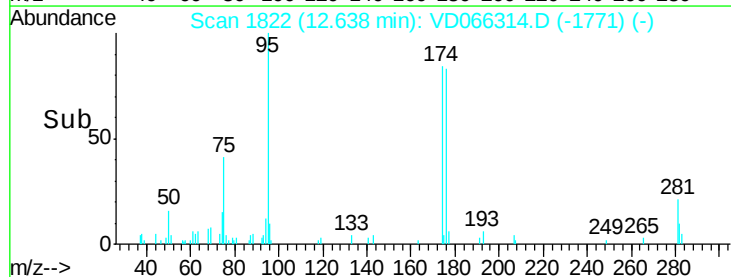
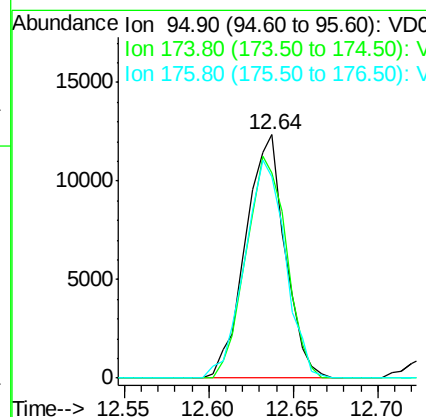
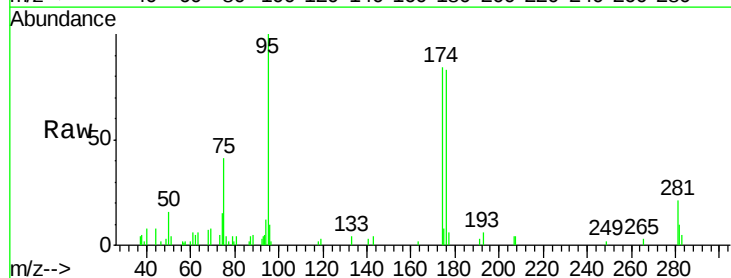
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#62
 4-Bromofluorobenzene
 Concen: 66.116 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	180.8
176	92.5	0.0	181.2





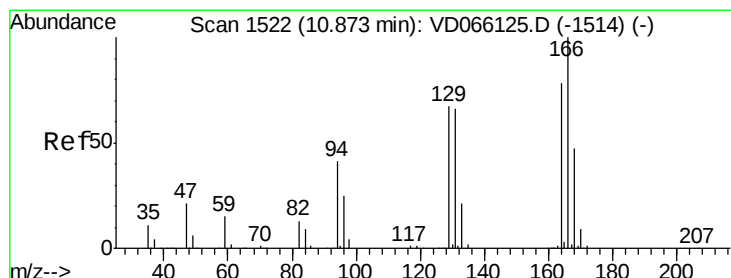
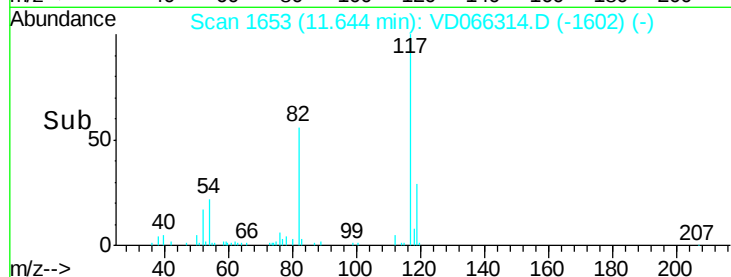
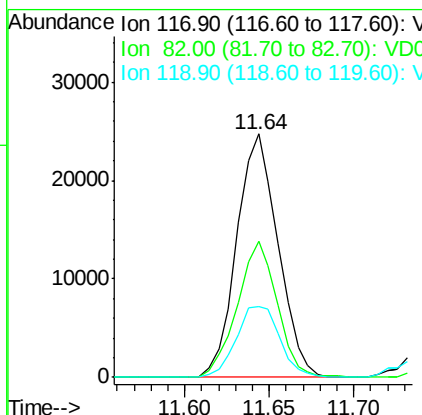
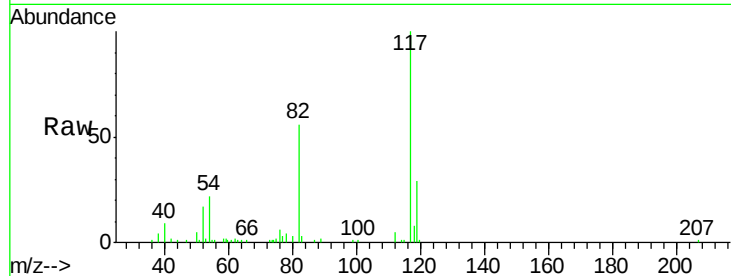
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.0	64.4
119	28.9	26.1	39.1

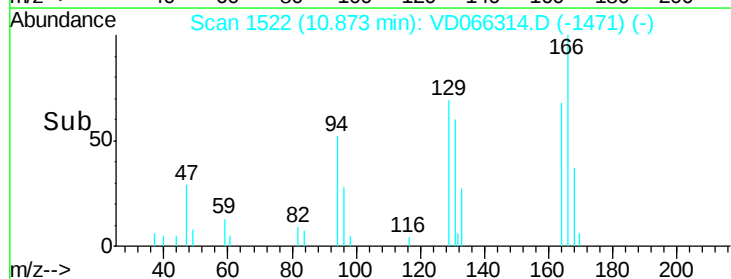
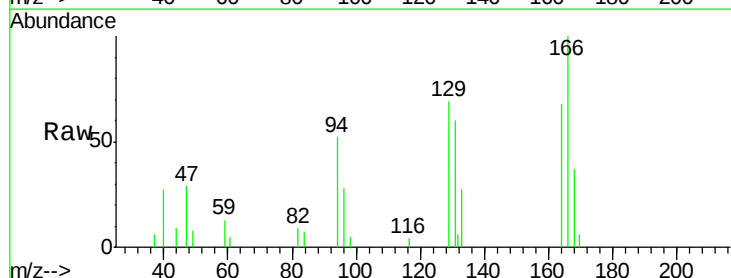
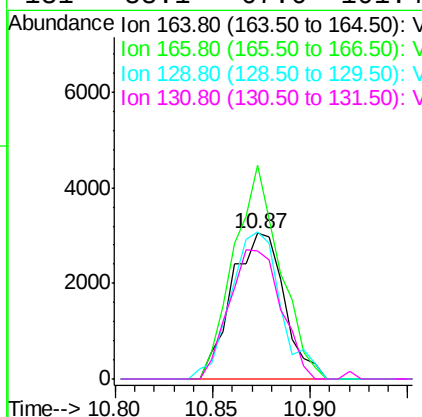
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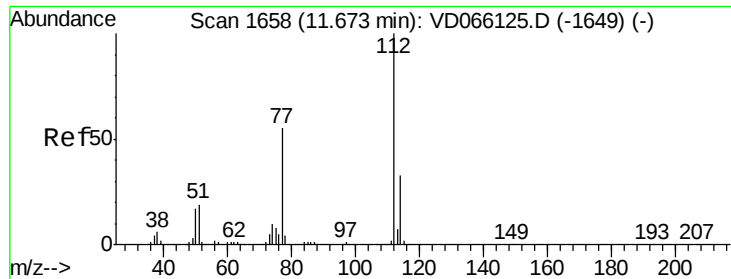
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#64
Tetrachloroethene
Concen: 17.542 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	146.6	101.9	152.9
129	101.2	68.1	102.1
131	88.1	67.6	101.4





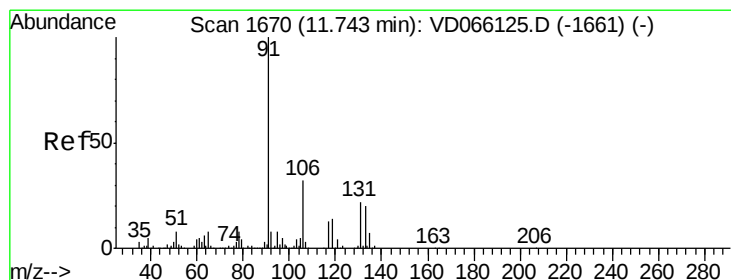
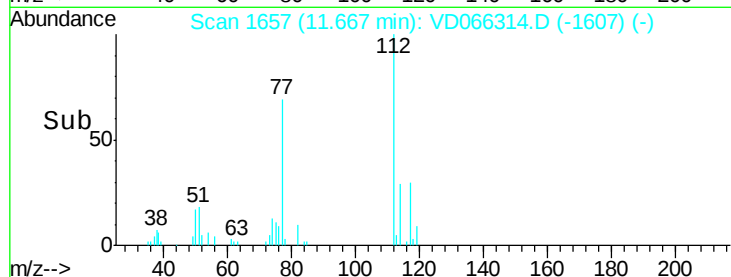
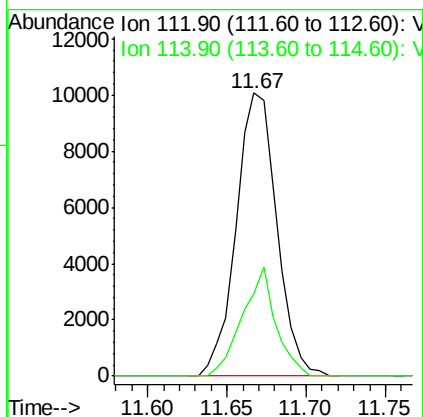
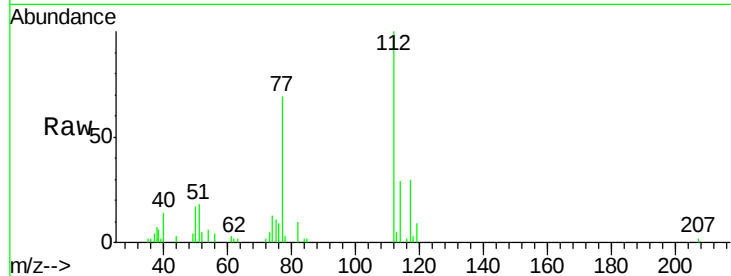
#65
Chlorobenzene
Concen: 21.011 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion:112 Resp: 17907
Ion Ratio Lower Upper
112 100
114 29.0 26.1 39.1

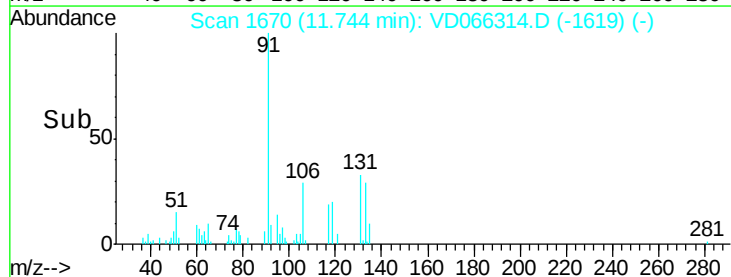
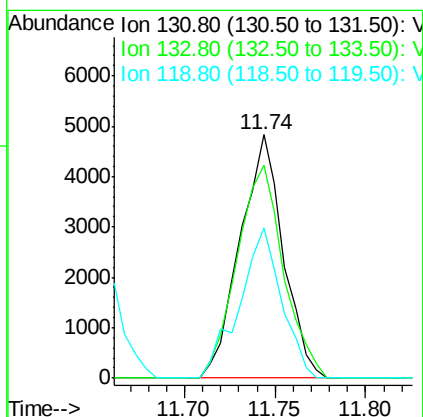
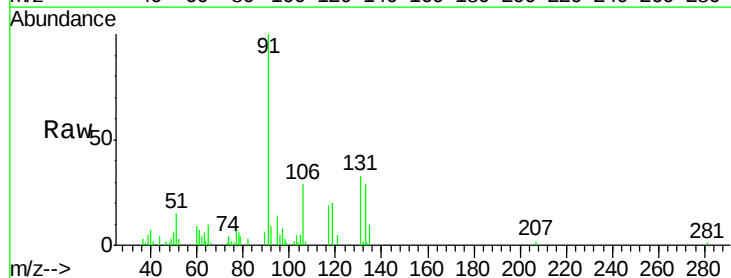
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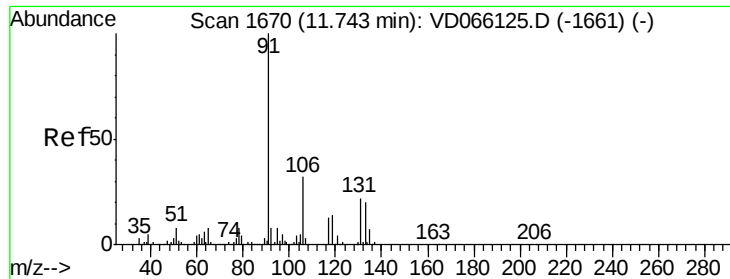
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.925 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion:131 Resp: 7978
Ion Ratio Lower Upper
131 100
133 94.4 47.1 141.4
119 60.2 31.6 94.7





#67

Ethyl Benzene

Concen: 16.539 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 91 Resp: 24426

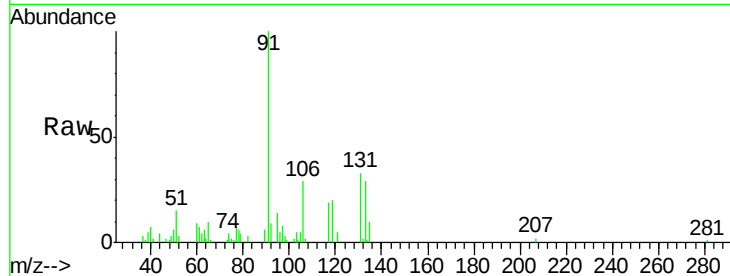
Ion Ratio Lower Upper

91 100

106 29.5 25.7 38.5

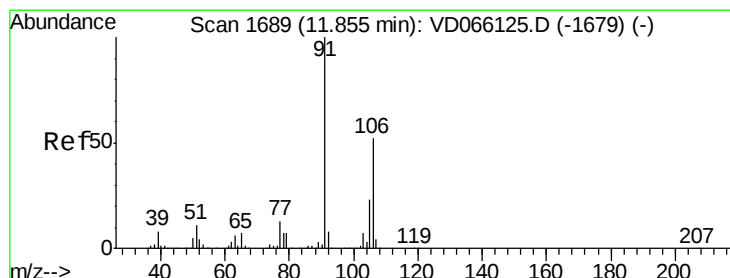
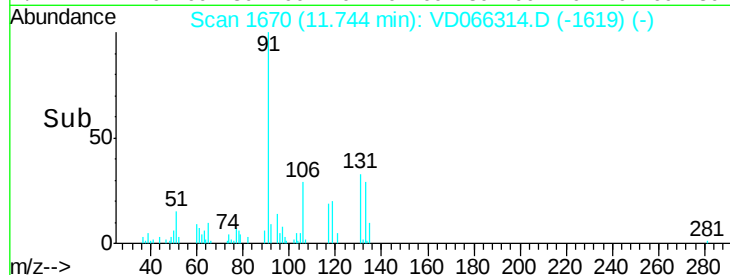
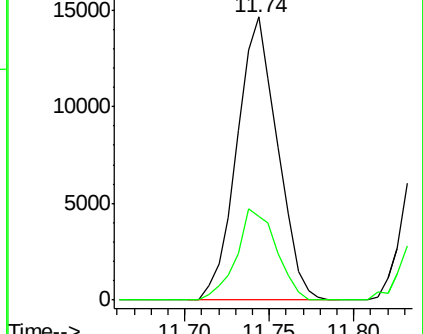
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 32.961 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD066314.D

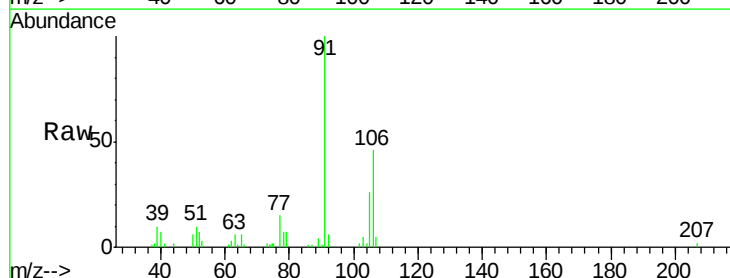
Acq: 19 Aug 2020 13:11

Tgt Ion: 106 Resp: 18860

Ion Ratio Lower Upper

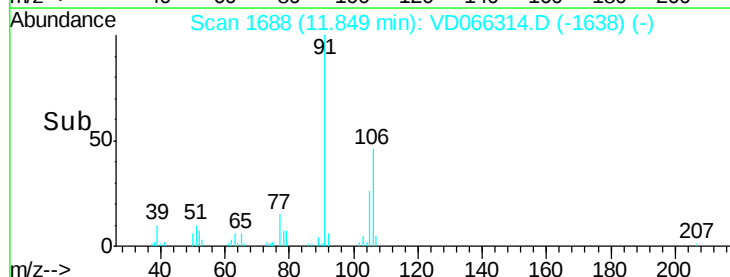
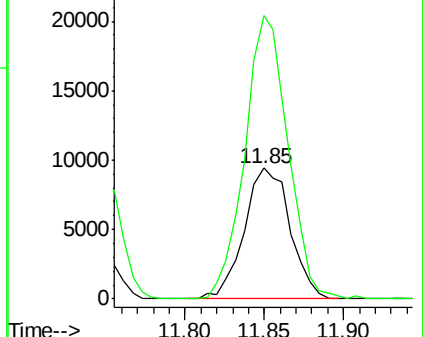
106 100

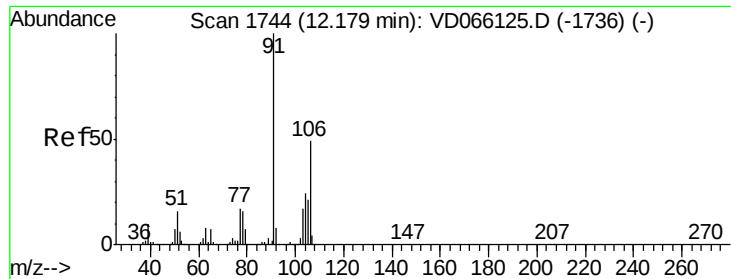
91 204.4 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





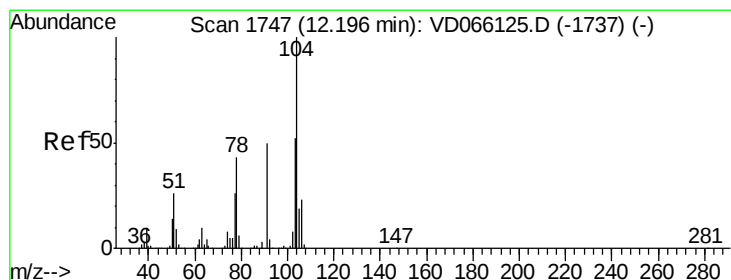
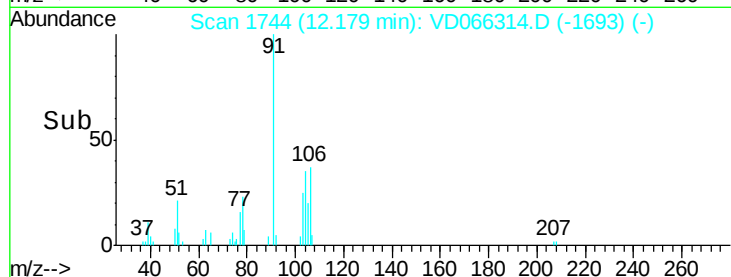
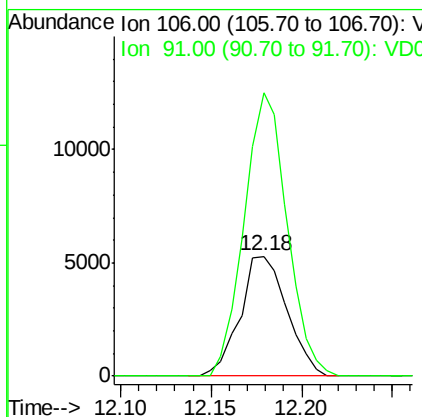
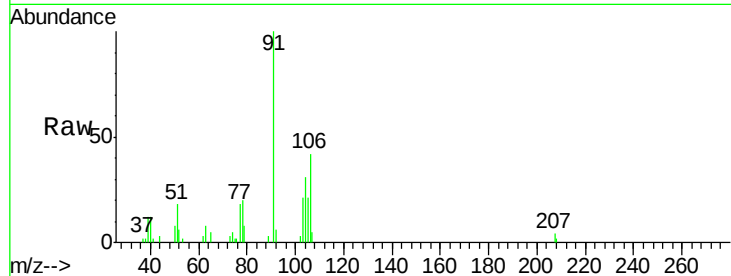
#69
o-Xylene
Concen: 18.303 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.1	105.7	317.1	

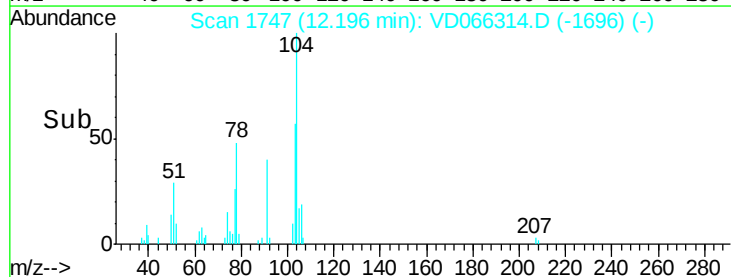
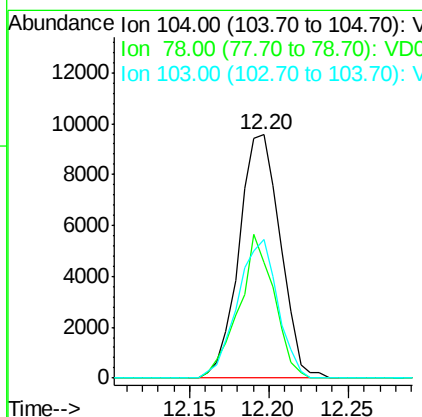
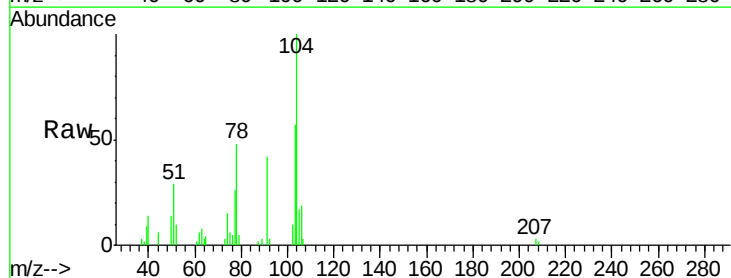
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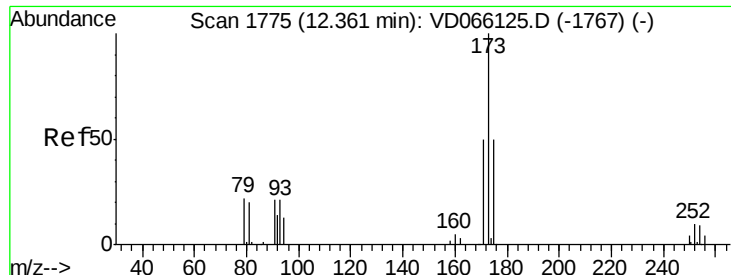
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#70
Styrene
Concen: 18.989 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.0	38.6	58.0	
103	55.4	44.1	66.1	





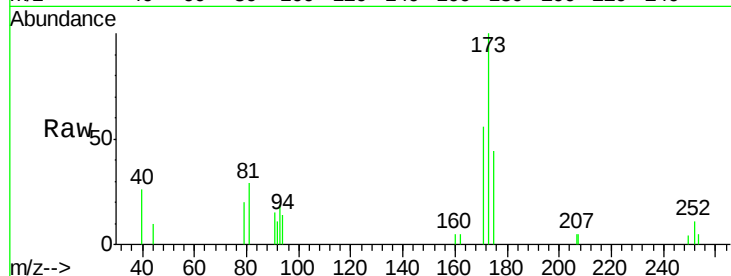
#71
Bromoform
Concen: 42.046 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

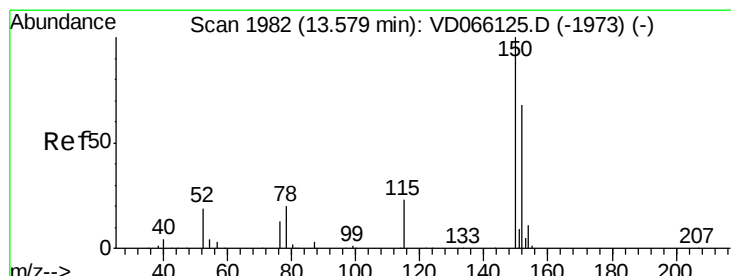
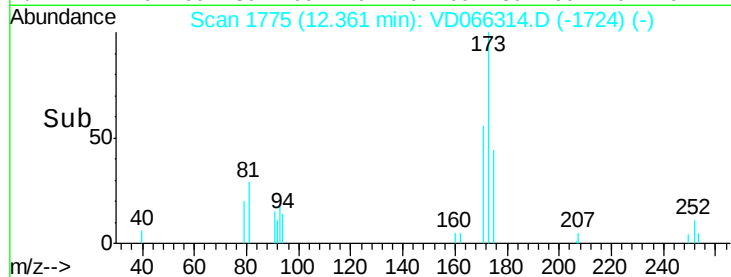
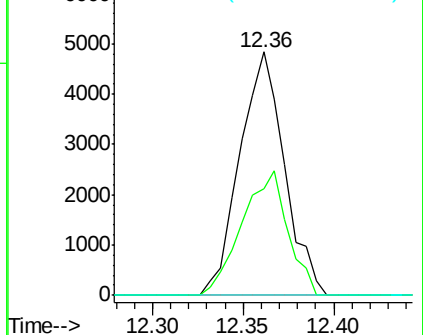
Tot Ion	Ratio	Lower	Upper
173	100		
175	52.4	24.6	73.6
254	0.0	0.2	0.2

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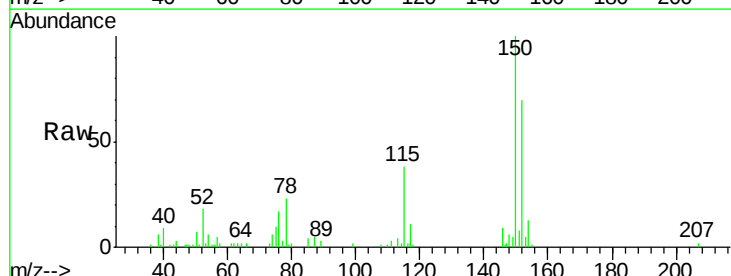


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

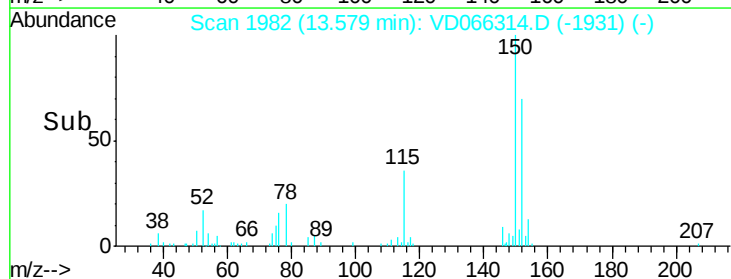
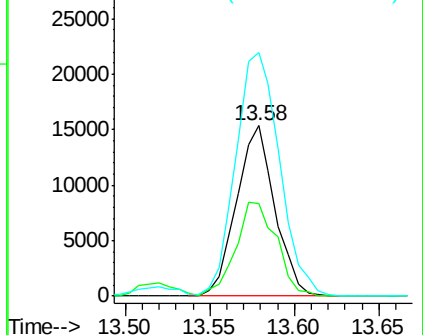


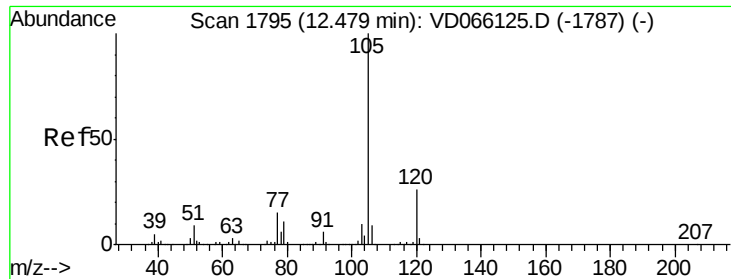
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.0	83.9
150	164.0	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 15.430 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion:105 Resp: 24933

Ion Ratio Lower Upper

105 100

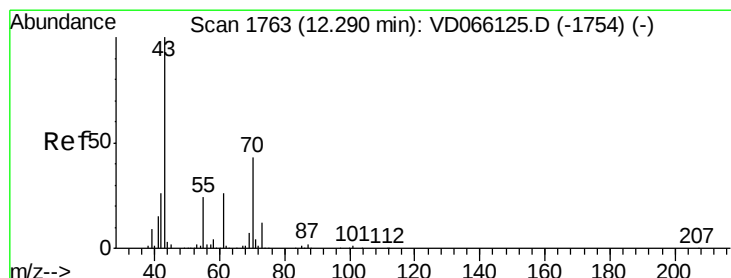
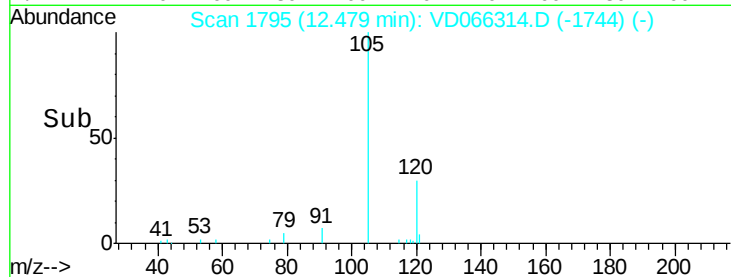
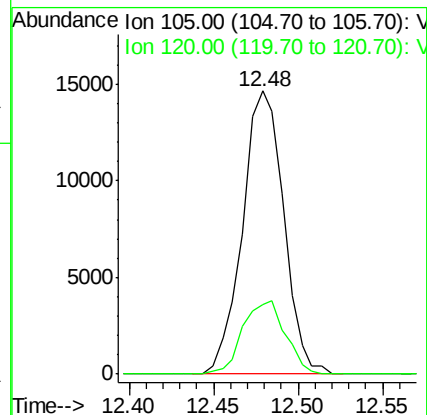
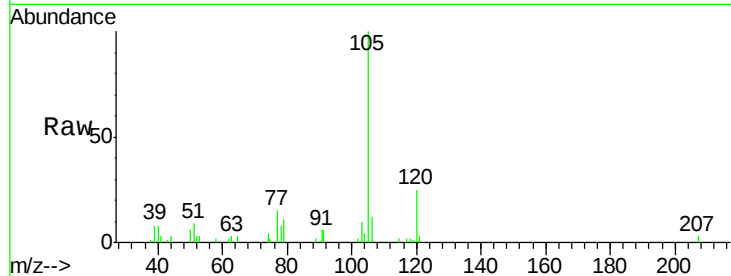
120 26.7 13.3 39.9

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#74

N-ethyl acetate

Concen: 37.316 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Tgt Ion: 43 Resp: 13278

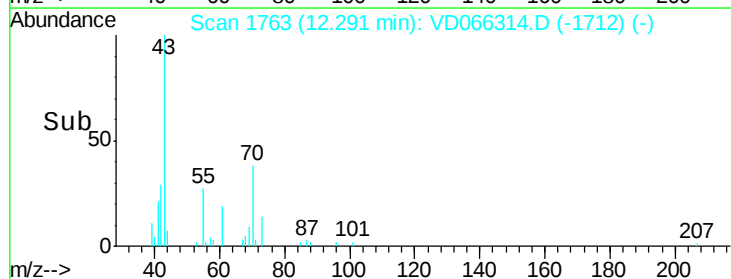
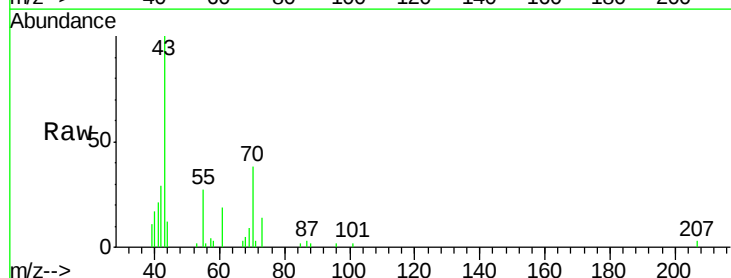
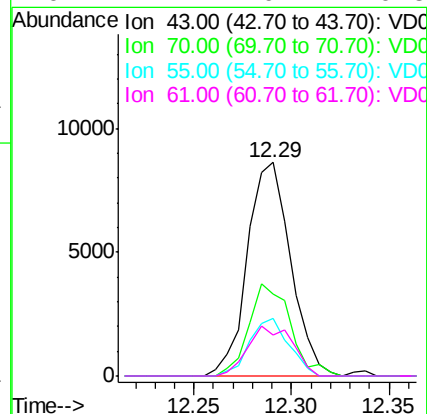
Ion Ratio Lower Upper

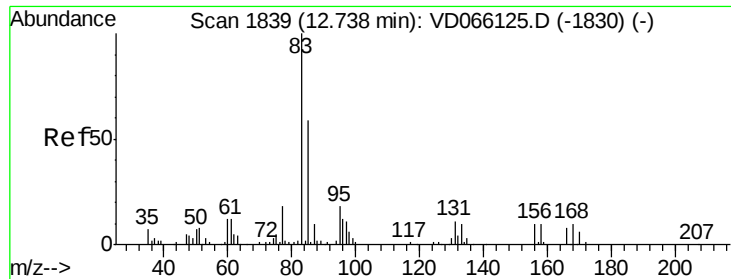
43 100

70 41.4 34.9 52.3

55 24.7 19.2 28.8

61 24.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 42.387 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

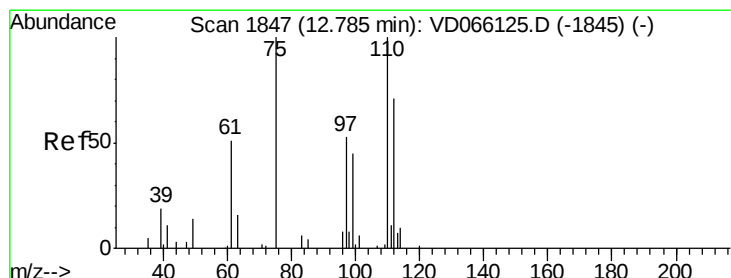
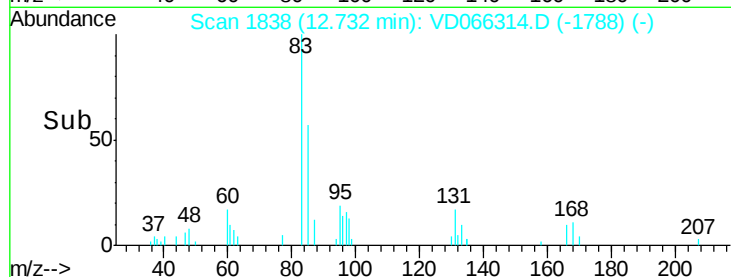
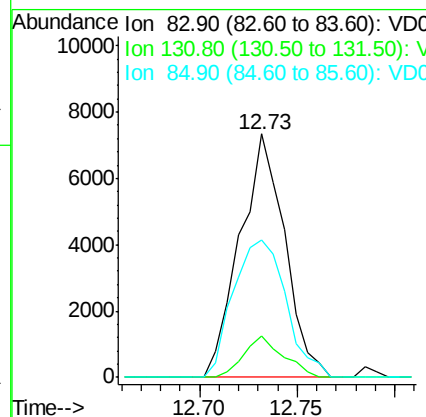
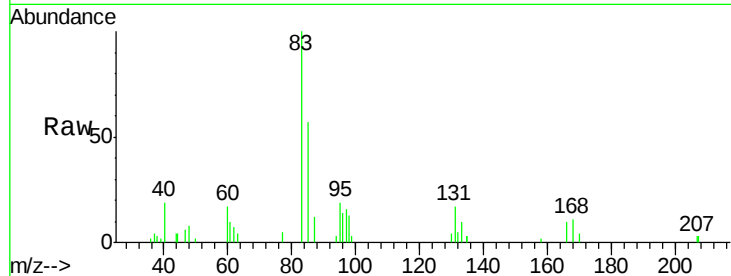
ClientSampleId :

VD0819SBS01

Tot Ion:	83	Resp:	11679
Ion Ratio	Lower	Upper	
83	100		
131	14.8	6.2	18.6
85	66.3	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 46.510 ug/l m

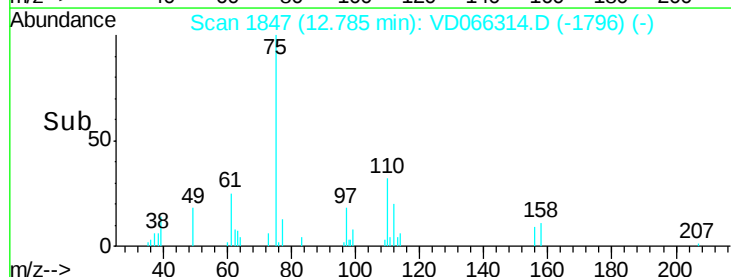
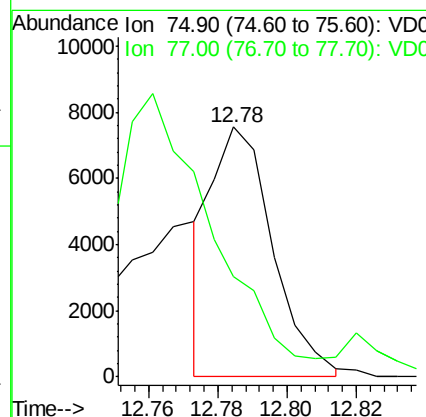
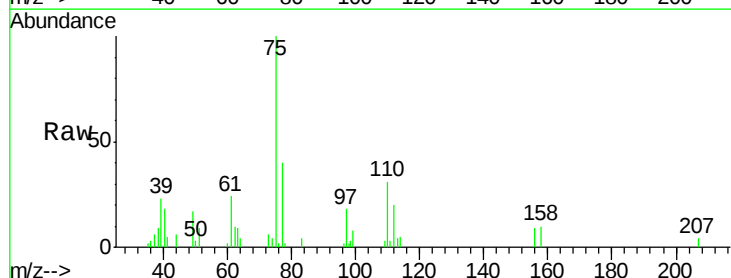
RT: 12.78 min Scan# 1847

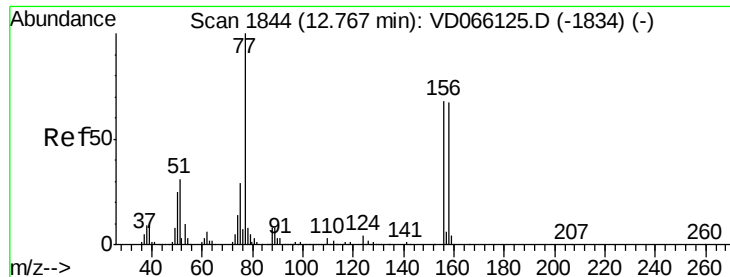
Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Tgt Ion:	75	Resp:	9389
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





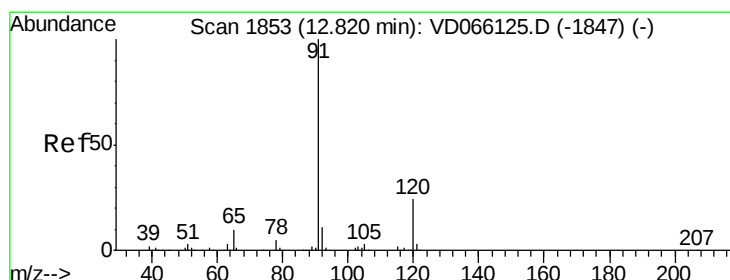
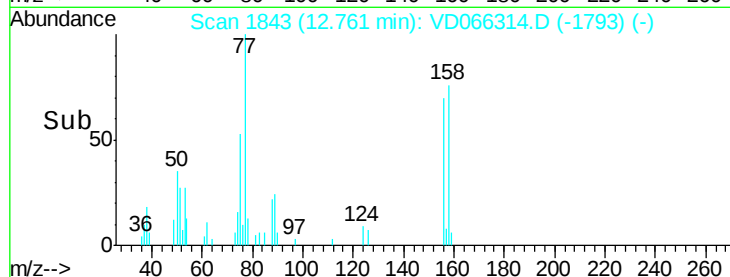
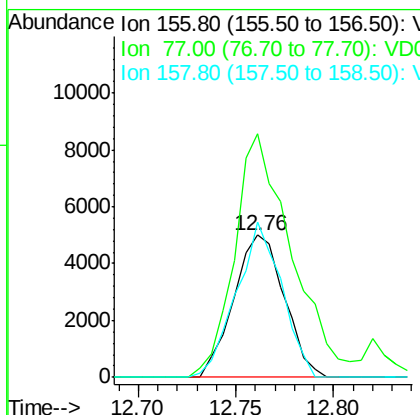
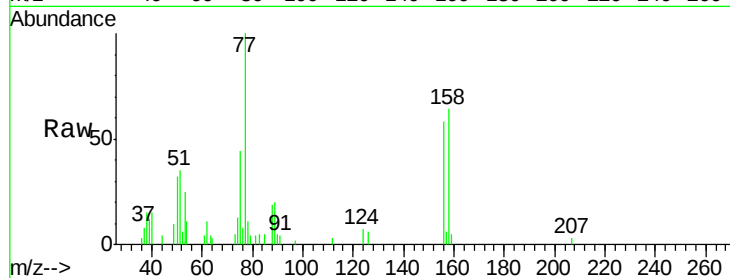
#77
Bromobenzene
Concen: 21.497 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.9	81.0	243.1
158	98.3	48.8	146.3

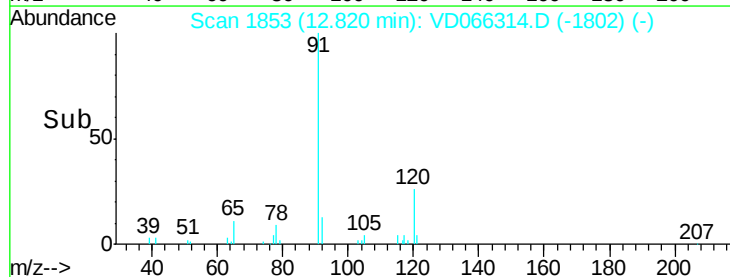
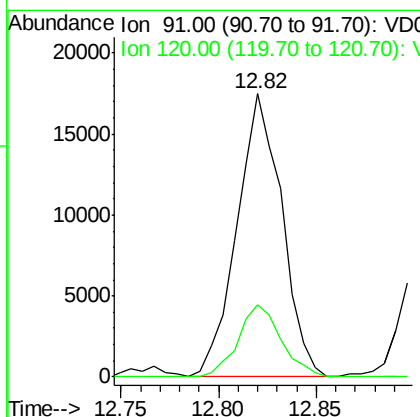
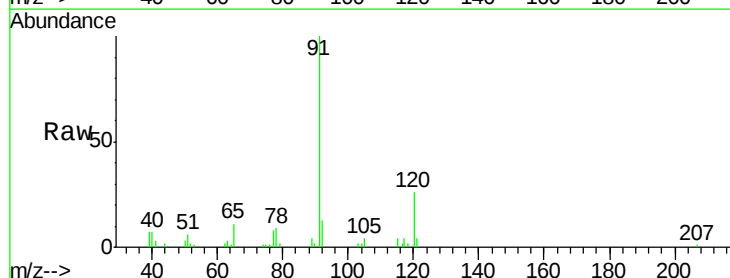
Manual Integrations
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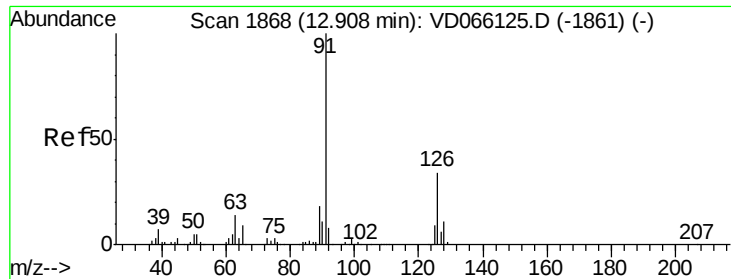
MMDadoda
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#78
n-propylbenzene
Concen: 14.800 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.0	36.0





#79

2-Chlorotoluene

Concen: 17.163 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 91 Resp: 18438

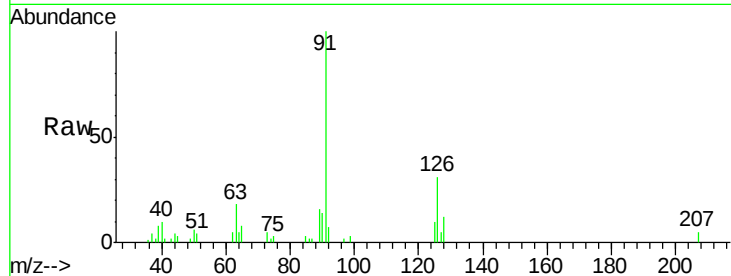
Ion Ratio Lower Upper

91 100

126 35.6 17.5 52.6

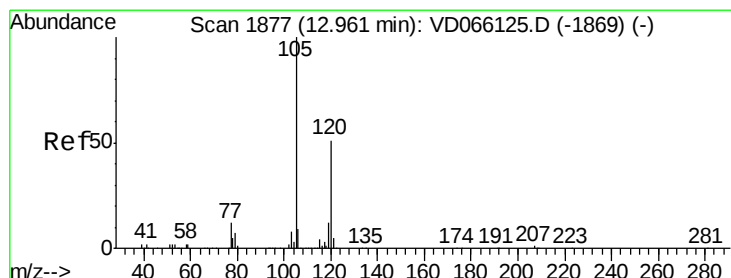
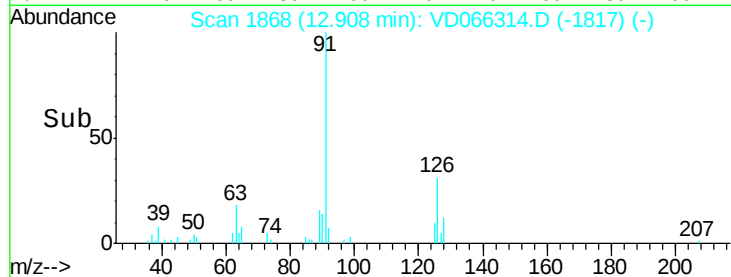
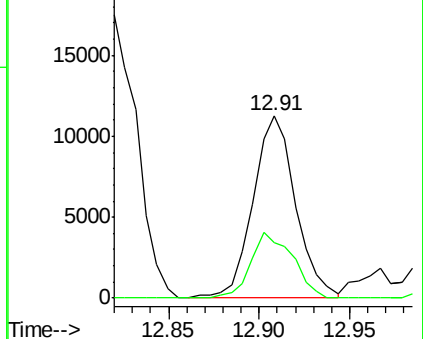
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Abundance Ion 91.00 (90.70 to 91.70): VD066314.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066314.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 15.080 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066314.D

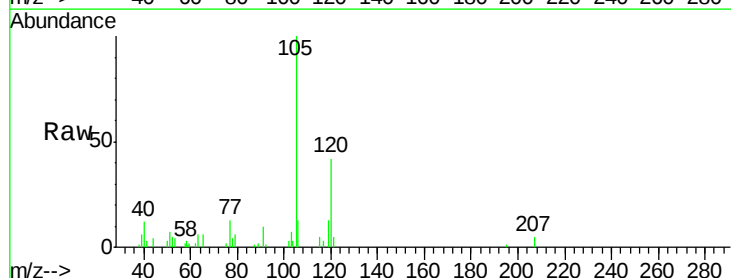
Acq: 19 Aug 2020 13:11

Tgt Ion:105 Resp: 20378

Ion Ratio Lower Upper

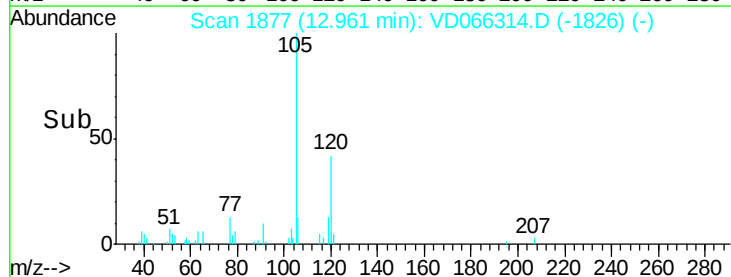
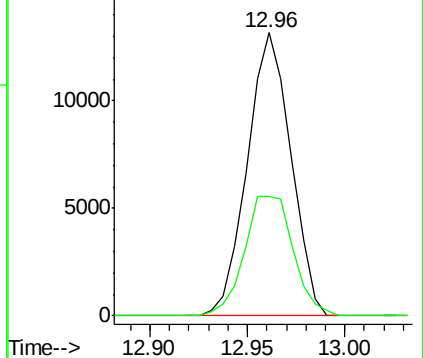
105 100

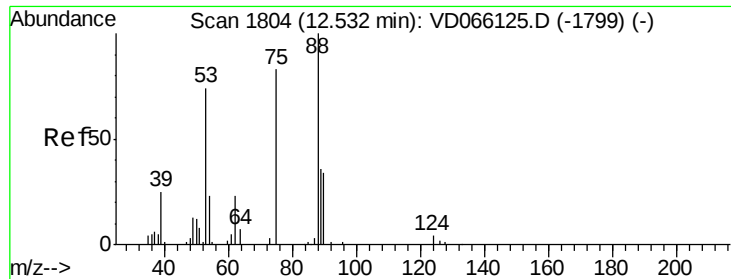
120 47.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066314.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066314.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.350 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

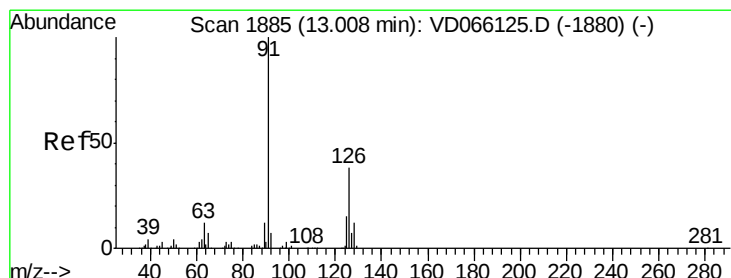
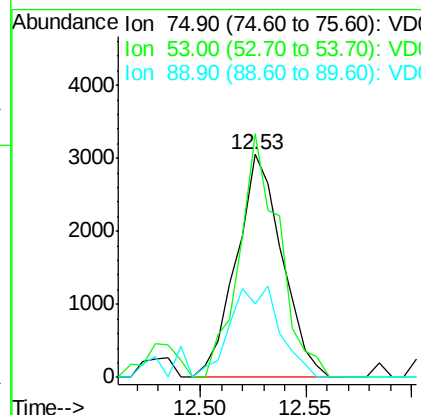
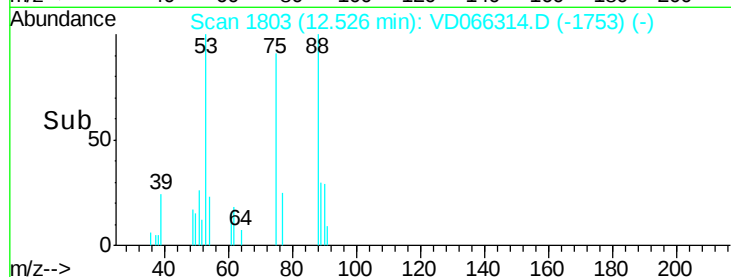
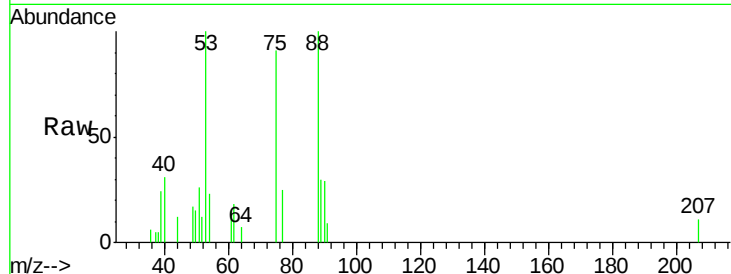
Instrument :
MSVOA_D

ClientSampleId :
VD0819SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.7	73.4	110.2
89	43.9	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.474 ug/l

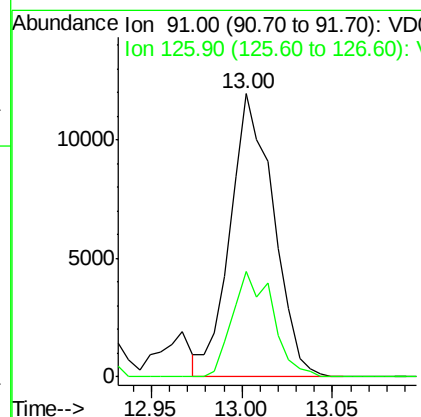
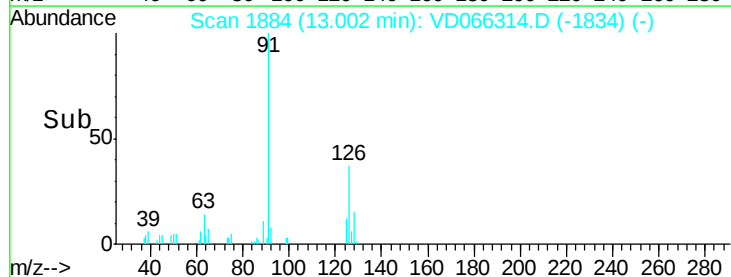
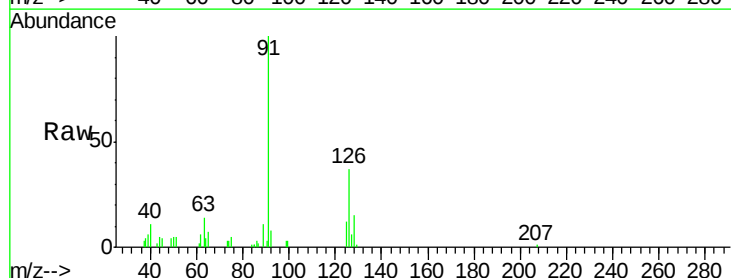
RT: 13.00 min Scan# 1884

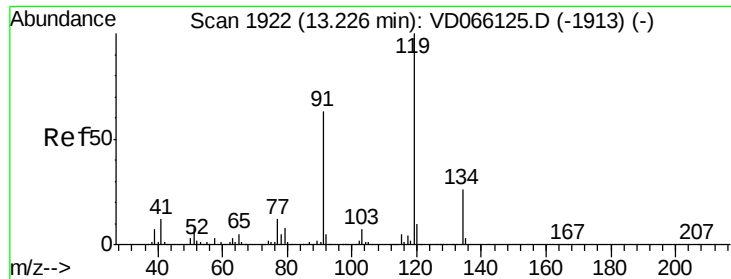
Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.3





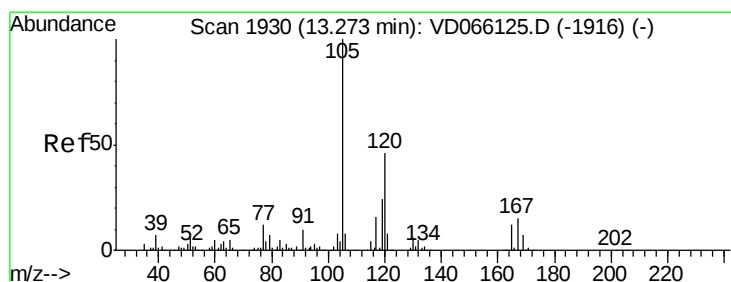
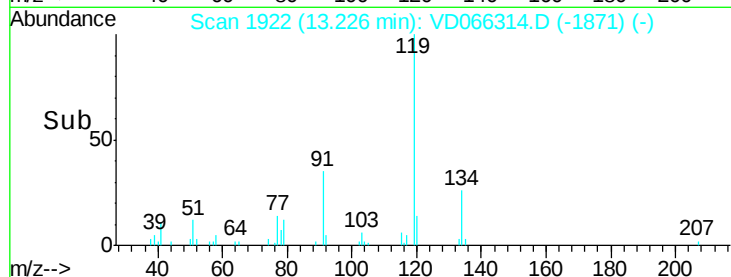
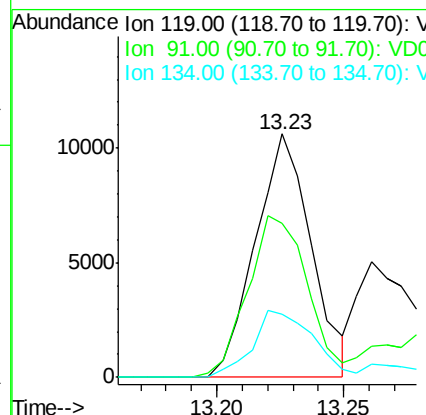
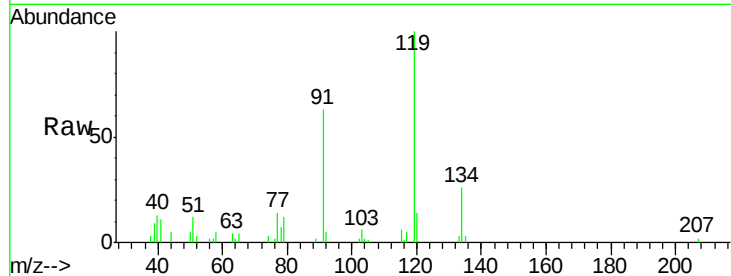
#83
 tert-Butylbenzene
 Concen: 13.757 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	16350		
91	70.9	30.8	92.4	
134	29.8	13.6	40.8	

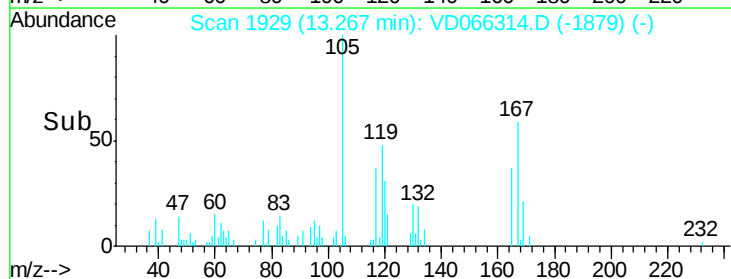
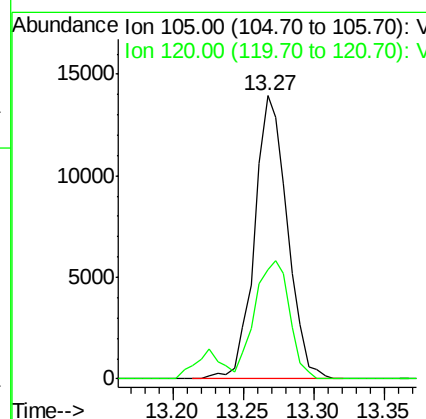
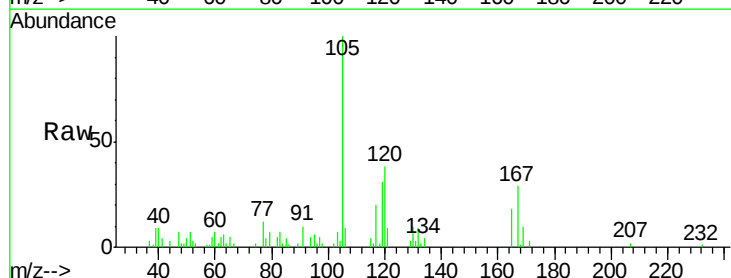
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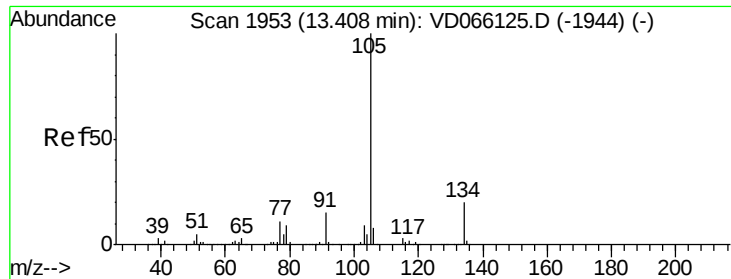
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#84
 1,2,4-Trimethylbenzene
 Concen: 16.844 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	22780		
120	44.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 14.983 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion:105 Resp: 24041

Ion Ratio Lower Upper

105 100

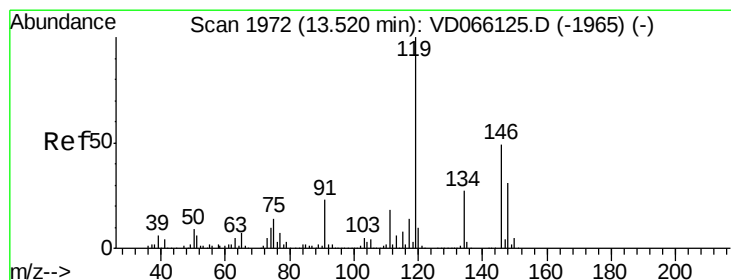
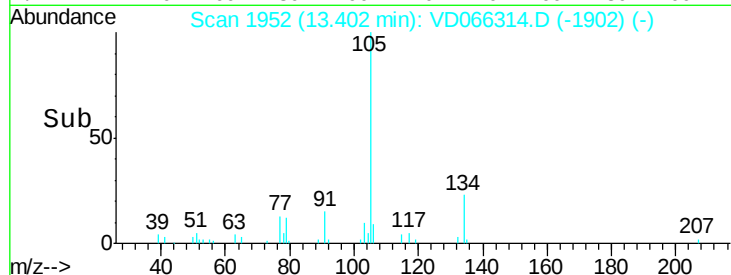
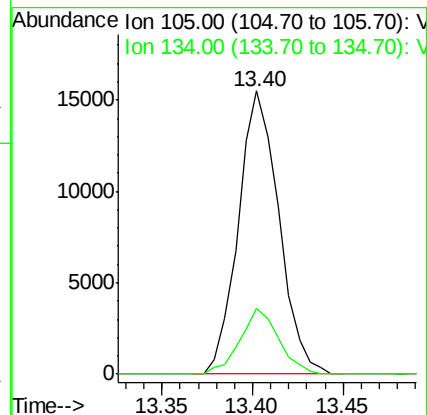
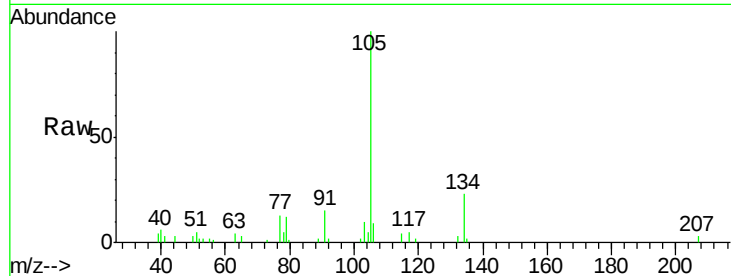
134 22.3 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 14.883 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

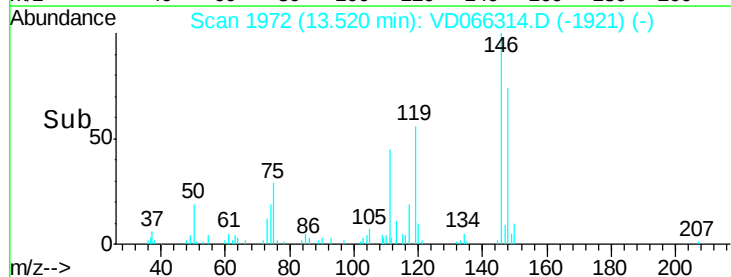
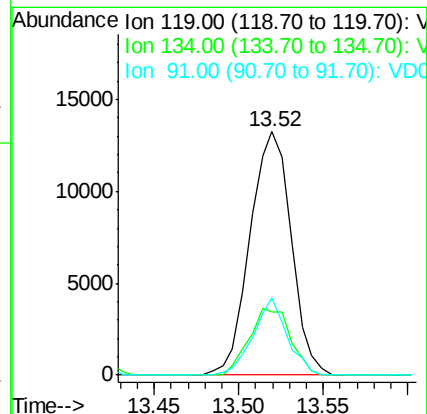
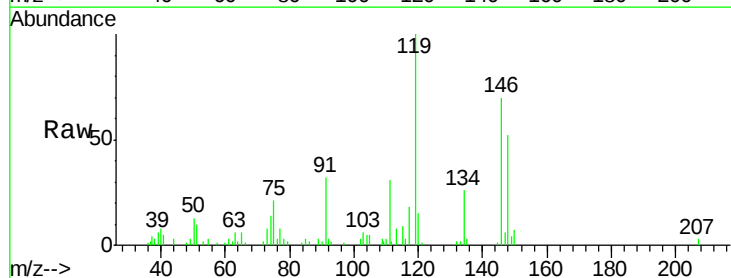
Tgt Ion:119 Resp: 22398

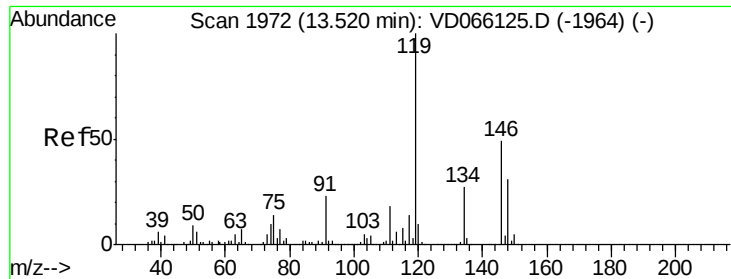
Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.4

91 26.4 11.2 33.5





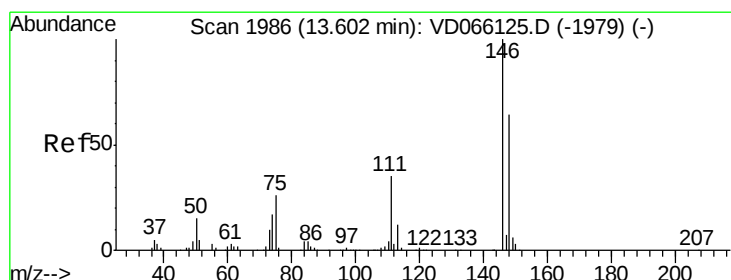
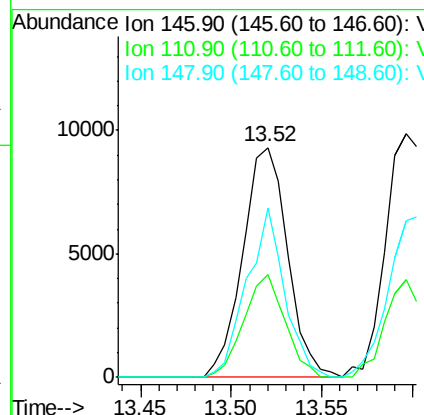
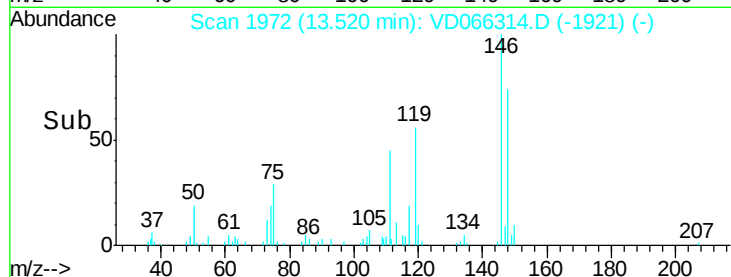
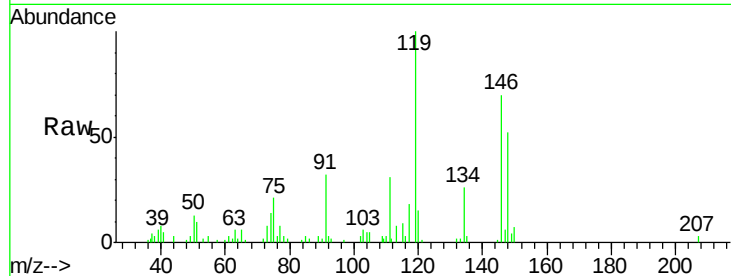
#87
 1,3-Dichlorobenzene
 Concen: 20.457 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	18.9	56.9
148	62.2	31.8	95.3

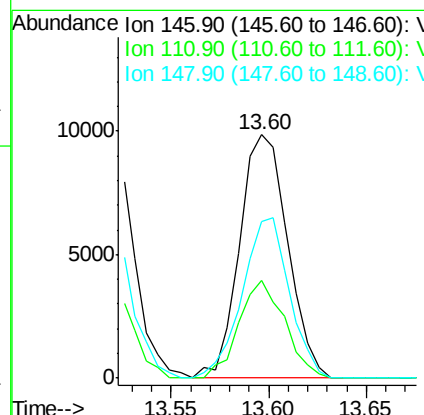
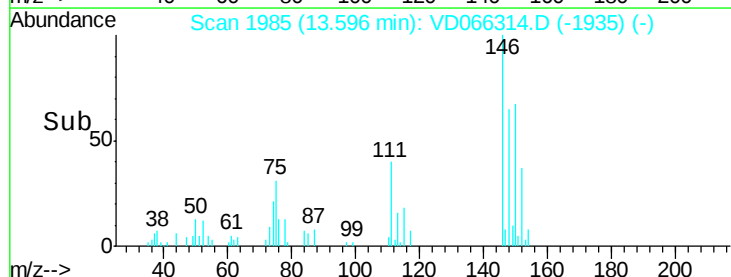
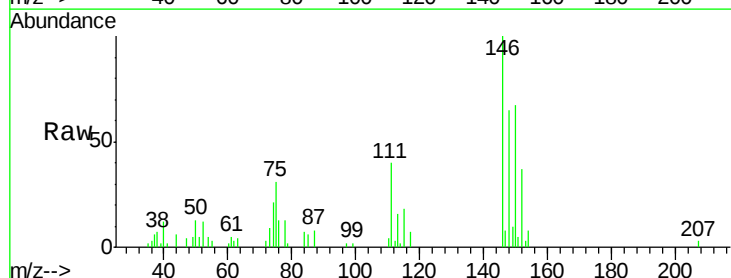
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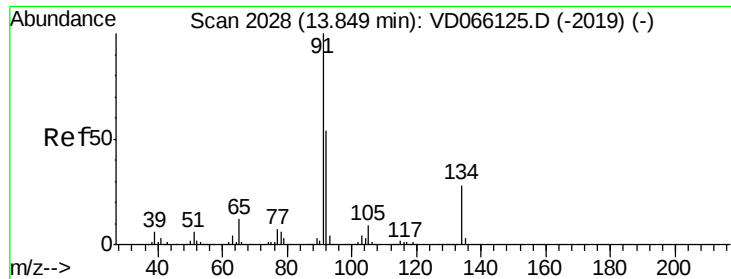
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#88
 1,4-Dichlorobenzene
 Concen: 21.581 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.8
148	64.7	32.4	97.0





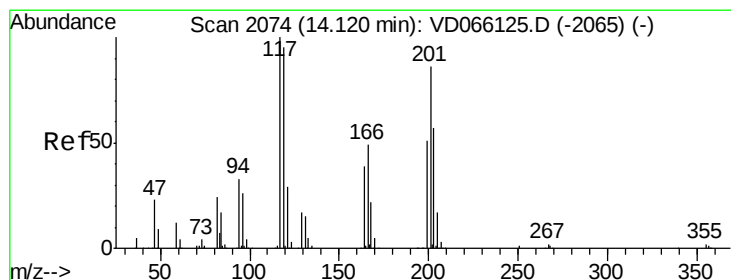
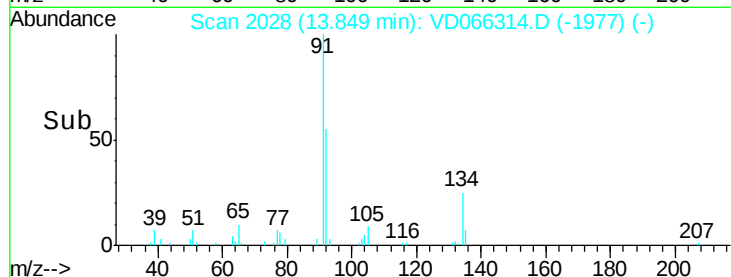
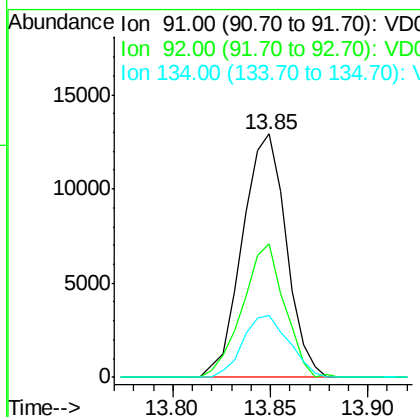
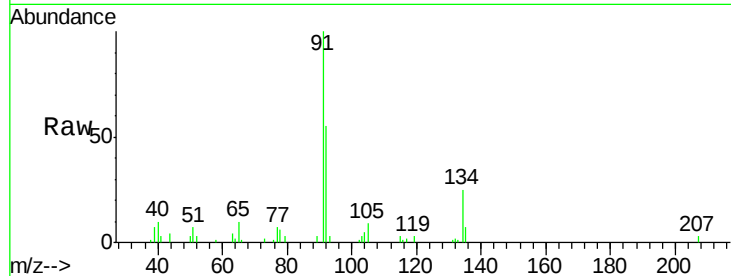
#89
n-Butylbenzene
Concen: 14.914 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.8	80.3
134	26.5	14.0	41.9

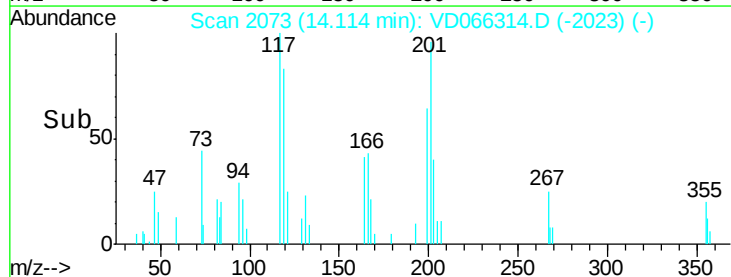
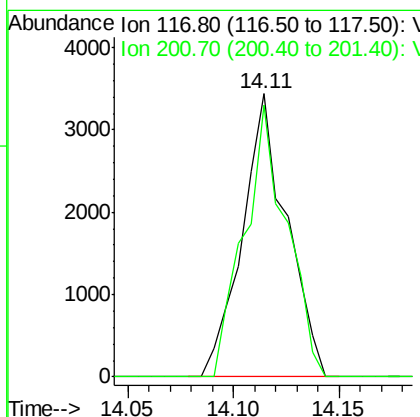
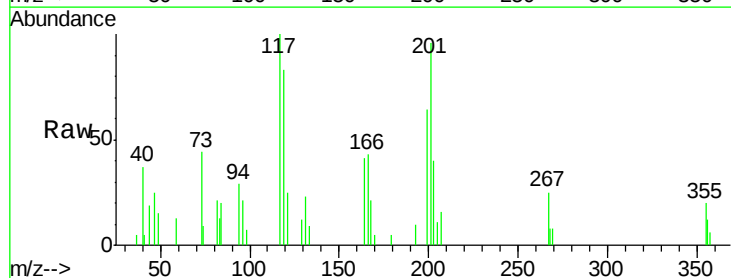
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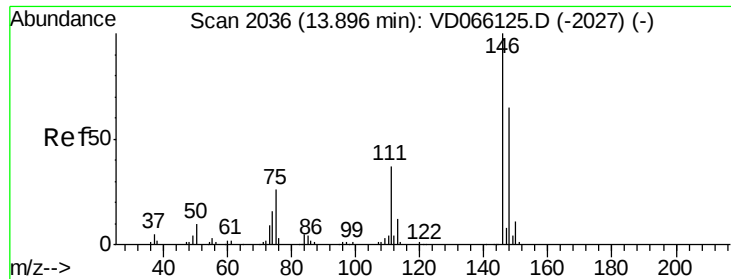
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#90
Hexachloroethane
Concen: 16.752 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	42.7	128.1





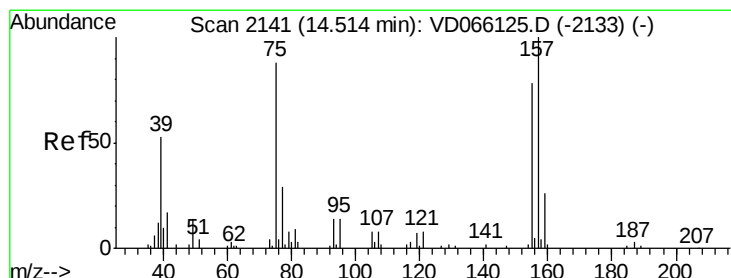
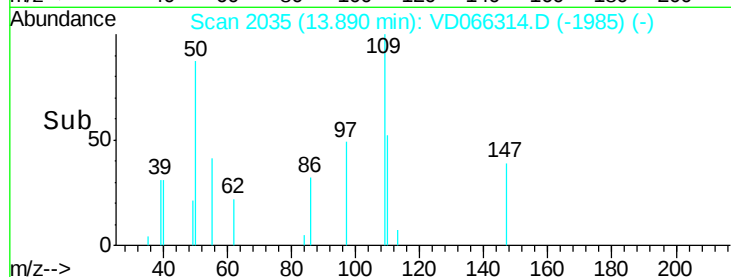
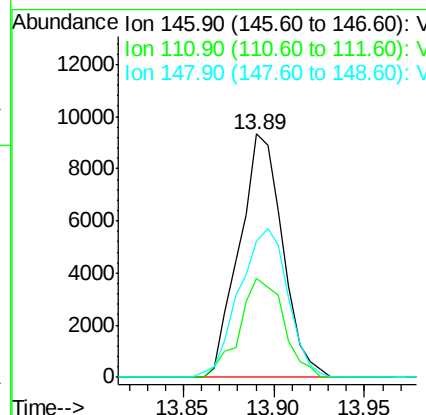
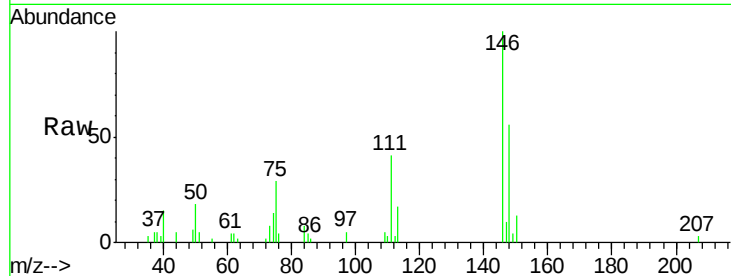
#91
 1,2-Dichlorobenzene
 Concen: 22.427 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	18.8	56.3
148	68.5	31.9	95.5

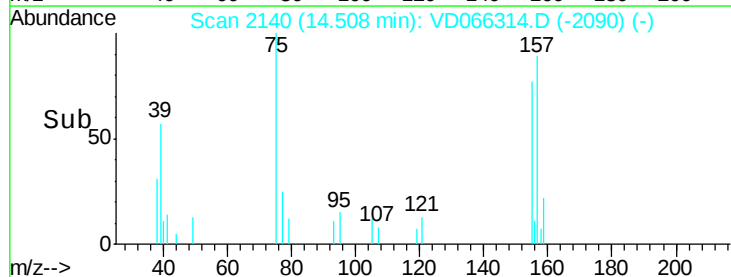
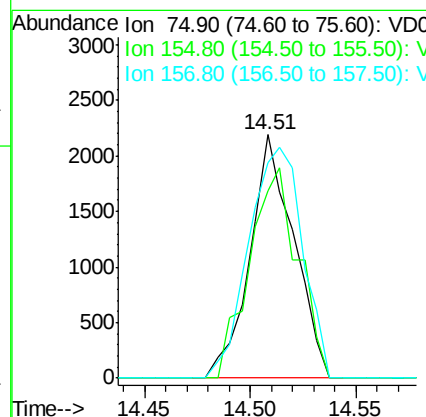
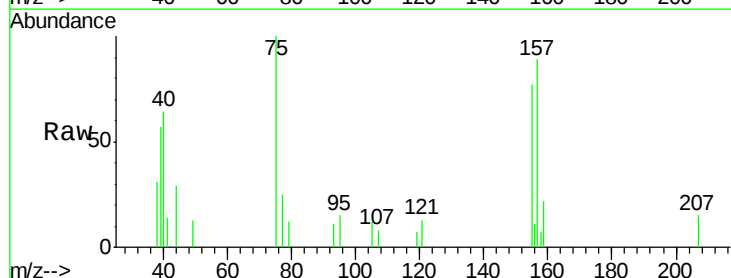
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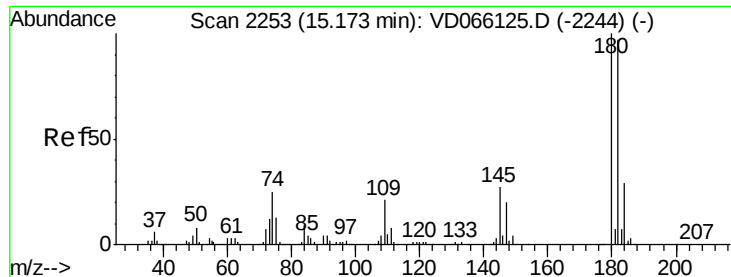
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.792 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	47.7	143.1
157	116.5	62.1	186.2





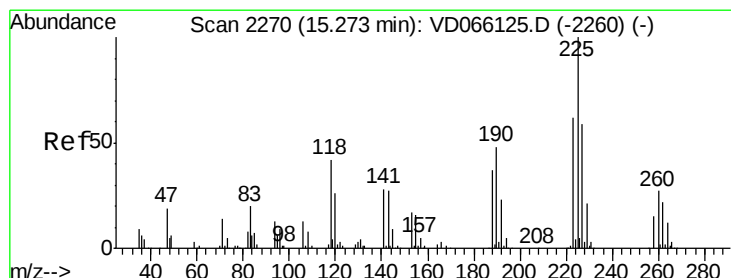
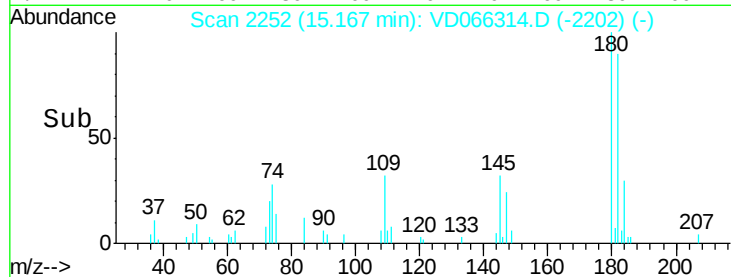
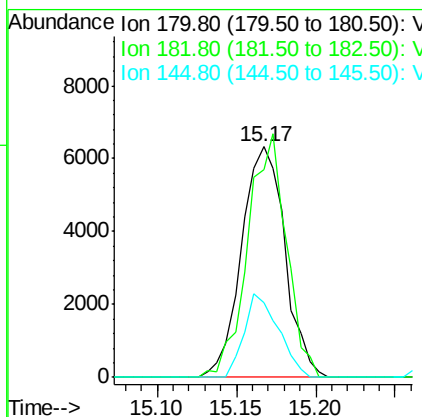
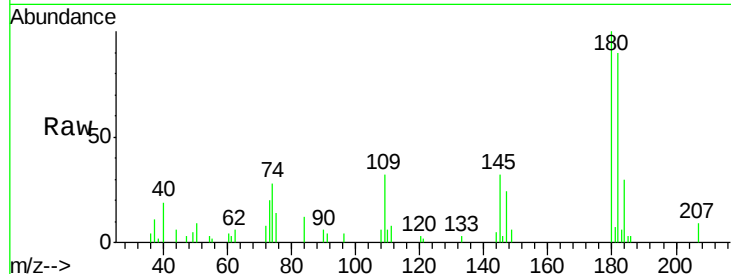
#93
 1,2,4-Trichlorobenzene
 Concen: 23.691 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	28.5	14.5	43.6

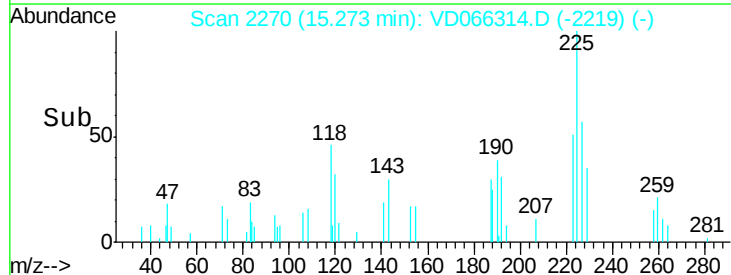
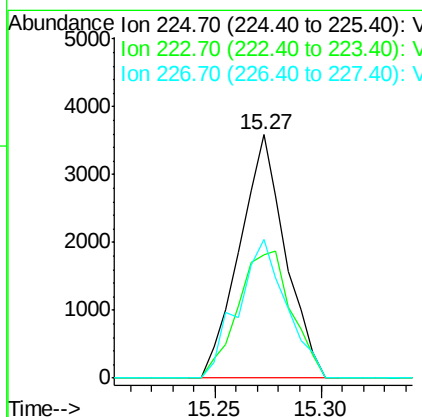
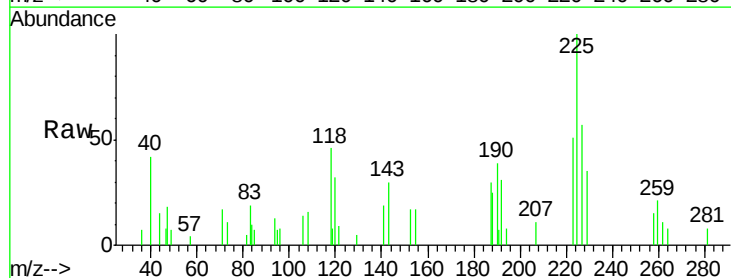
Manual Integrations
 APPROVED

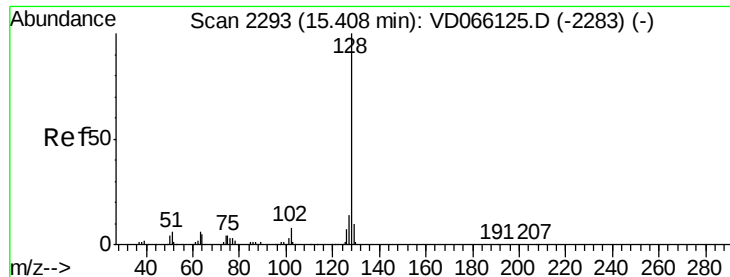
MMDadoda
 8/20/2020 3:36:52 PM



#94
 Hexachlorobutadiene
 Concen: 18.012 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	32.3	96.9
227	60.3	32.1	96.5





#95

Naphthalene

Concen: 39.893 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

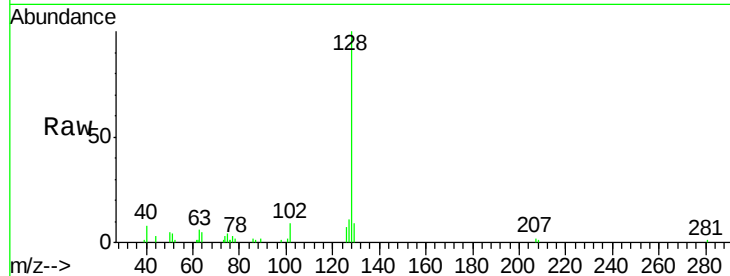
ClientSampleId :

VD0819SBS01

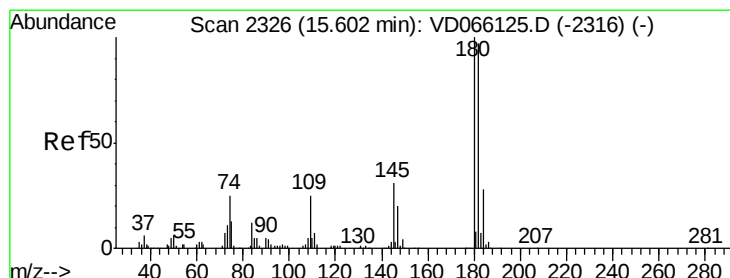
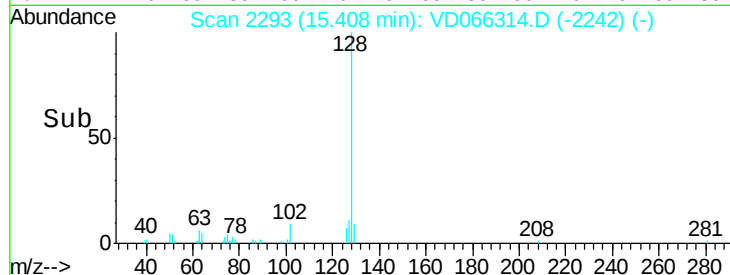
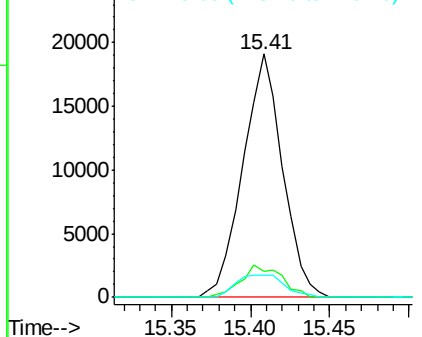
Tot Ion:	128	Resp:	33119
Ion Ratio	Lower	Upper	
128	100		
127	13.6	11.0	16.4
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:36:52 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 26.724 ug/l

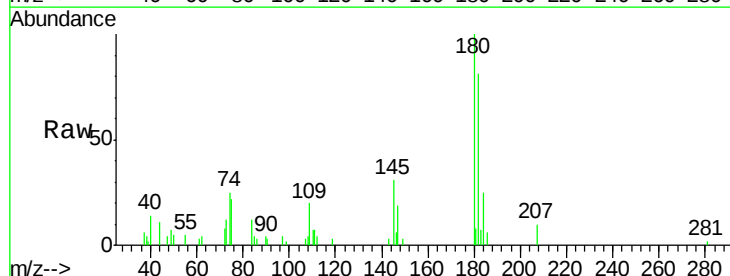
RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Tgt Ion:	180	Resp:	12020
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.1	141.4
145	33.5	14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

