

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081120\
 Data File : VD066182.D
 Acq On : 11 Aug 2020 12:56
 Operator : VA/SY
 Sample : VD0811SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/12/2020 3:57:44 PM

Quant Time: Aug 11 15:30:16 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	322859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	467094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	433781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	225289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	150240	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	7.91	113	154073	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.33	98	585990	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
62) 4-Bromofluorobenzene	12.63	95	205201	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	57812	20.324	ug/l	98
3) Chloromethane	2.21	50	42447	19.183	ug/l	91
4) Vinyl Chloride	2.34	62	38605	19.707	ug/l	97
5) Bromomethane	2.75	94	26784	20.608	ug/l	97
6) Chloroethane	2.91	64	24177	20.106	ug/l	91
7) Trichlorofluoromethane	3.27	101	93738	18.354	ug/l	92
8) Diethyl Ether	3.71	74	26571	18.438	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	57766	19.059	ug/l	97
10) Methyl Iodide	4.30	142	53105	23.373	ug/l	99
11) Tert butyl alcohol	5.20	59	27221	104.443	ug/l #	76
12) 1,1-Dichloroethene	4.07	96	52407	18.329	ug/l	97
13) Acrolein	3.91	56	18159	79.202	ug/l	96
14) Allyl chloride	4.71	41	79572	18.370	ug/l	98
15) Acrylonitrile	5.42	53	56415	92.902	ug/l	98
16) Acetone	4.16	43	49862	91.233	ug/l	98
17) Carbon Disulfide	4.40	76	167097	18.380	ug/l	98
18) Methyl Acetate	4.71	43	24517	17.661	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	115980	17.697	ug/l	96
20) Methylene Chloride	4.96	84	76087	21.591	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	59918	18.242	ug/l	93
22) Diisopropyl ether	6.36	45	160923	18.786	ug/l	98
23) Vinyl Acetate	6.30	43	459714	91.607	ug/l	96
24) 1,1-Dichloroethane	6.26	63	98958	18.667	ug/l	99
25) 2-Butanone	7.21	43	73303	91.190	ug/l	92
26) 2,2-Dichloropropane	7.20	77	90776	19.105	ug/l	97
27) cis-1,2-Dichloroethene	7.20	96	64563	18.740	ug/l	99
28) Bromochloromethane	7.54	49	42071	22.595	ug/l	95
29) Tetrahydrofuran	7.56	42	46424	93.214	ug/l	96
30) Chloroform	7.71	83	102074	18.337	ug/l	98
31) Cyclohexane	7.97	56	92802	18.390	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	97842	18.747	ug/l	98
36) 1,1-Dichloropropene	8.10	75	82256	18.740	ug/l	99
37) Ethyl Acetate	7.29	43	32282	18.563	ug/l	97
38) Carbon Tetrachloride	8.09	117	90724	18.535	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	98187	18.505	ug/l	96
40) Benzene	8.34	78	226076	18.567	ug/l	98
41) Methacrylonitrile	7.52	41	18243	17.841	ug/l #	71
42) 1,2-Dichloroethane	8.42	62	67019	18.736	ug/l	99
43) Isopropyl Acetate	8.45	43	63310	18.476	ug/l	99
44) Trichloroethene	9.11	130	66236	18.052	ug/l	99
45) 1,2-Dichloropropane	9.38	63	56029	18.815	ug/l	96
46) Dibromomethane	9.47	93	31495	19.200	ug/l	97
47) Bromodichloromethane	9.66	83	80380	18.540	ug/l	100
48) Methyl methacrylate	9.46	41	32664	18.669	ug/l	98
49) 1,4-Dioxane	9.46	88	7003	332.301	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	158000	89.770	ug/l	99
52) Toluene	10.40	92	151324	18.887	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	77049	18.727	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	89572	18.582	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	43964	18.613	ug/l	92
56) Ethyl methacrylate	10.66	69	50953	17.957	ug/l	98
57) 1,3-Dichloropropane	10.94	76	72173	18.405	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	133743	104.787	ug/l	99
59) 2-Hexanone	10.98	43	106585	86.287	ug/l	99
60) Dibromochloromethane	11.14	129	59630	18.286	ug/l	99
61) 1,2-Dibromoethane	11.24	107	41573	18.301	ug/l	99
64) Tetrachloroethene	10.87	164	60590	18.190	ug/l	96
65) Chlorobenzene	11.67	112	165738	18.821	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	62551	18.154	ug/l	98
67) Ethyl Benzene	11.74	91	288998	18.939	ug/l	97
68) m/p-Xylenes	11.86	106	224351	37.947	ug/l	99
69) o-Xylene	12.18	106	100933	18.767	ug/l	98
70) Styrene	12.20	104	177930	18.878	ug/l	99
71) Bromoform	12.36	173	35426	17.354	ug/l #	96
73) Isopropylbenzene	12.48	105	276786	18.405	ug/l	98
74) N-amyl acetate	12.29	43	60054	18.134	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	47056	18.350	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	37047m	19.719	ug/l	
77) Bromobenzene	12.76	156	72965	18.848	ug/l	96
78) n-propylbenzene	12.82	91	328946	18.817	ug/l	99
79) 2-Chlorotoluene	12.91	91	185957	18.599	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	238789	18.986	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15310	18.014	ug/l	97
82) 4-Chlorotoluene	13.01	91	199800	18.930	ug/l	100
83) tert-Butylbenzene	13.23	119	201093	18.181	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	239604	19.037	ug/l	99
85) sec-Butylbenzene	13.40	105	280650	18.794	ug/l	99
86) p-Isopropyltoluene	13.52	119	261532	18.673	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	132803	18.253	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	134106	18.482	ug/l	99
89) n-Butylbenzene	13.85	91	236753	18.867	ug/l	99
90) Hexachloroethane	14.11	117	51776	18.535	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	116486	18.103	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8452	19.177	ug/l	91

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ClientSampleId :
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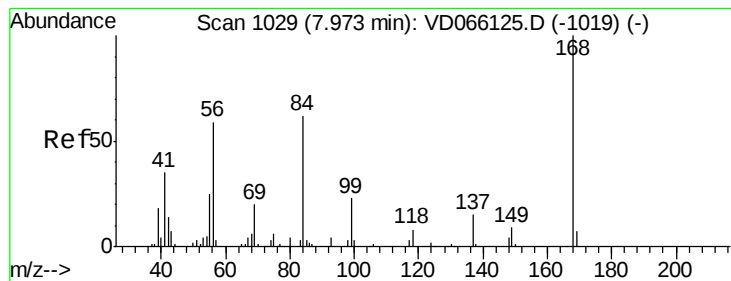
Manual Integrations
APPROVED

MMDadoda
8/12/2020 3:57:44 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	84011	17.717	ug/l	97
94) Hexachlorobutadiene	15.27	225	52039	18.637	ug/l	96
95) Naphthalene	15.41	128	136385	17.652	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74305	17.751	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion:168 Resp: 322859

Ion Ratio Lower Upper

168 100

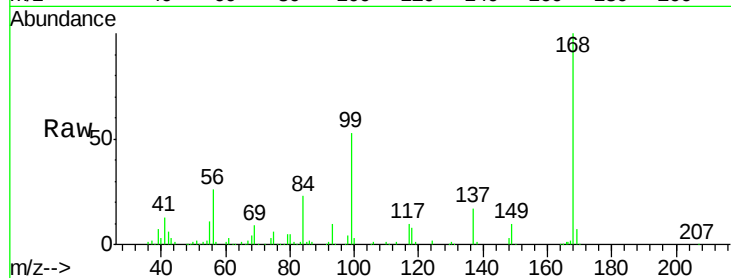
99 52.4 42.2 63.4

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

150000

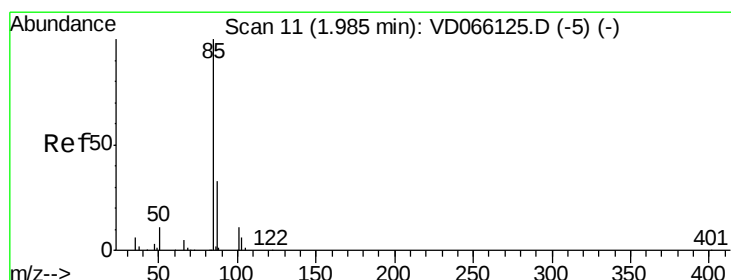
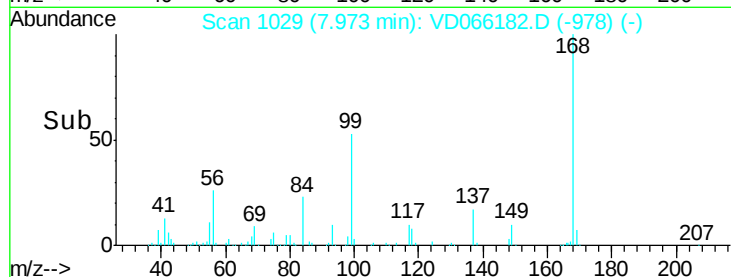
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.324 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066182.D

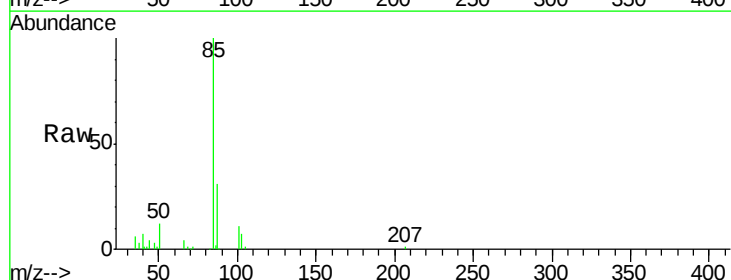
Acq: 11 Aug 2020 12:56

Tgt Ion: 85 Resp: 57812

Ion Ratio Lower Upper

85 100

87 31.4 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

50000

40000

30000

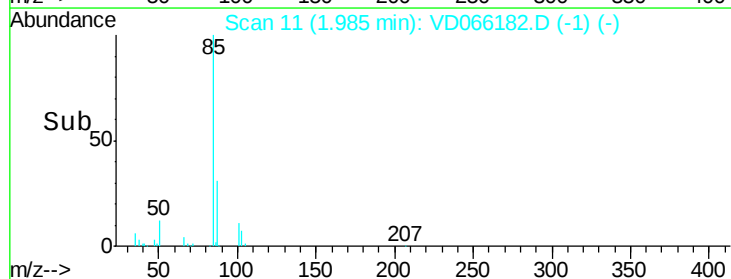
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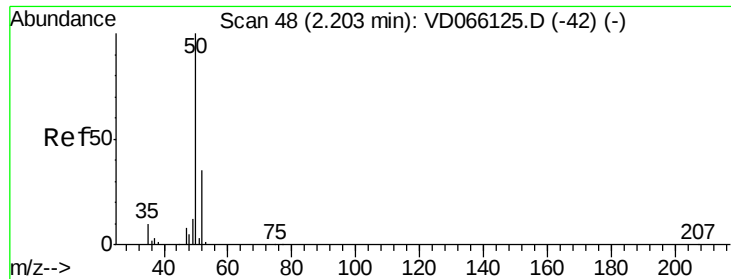
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.183 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 50 Resp: 42447

Ion Ratio Lower Upper

50 100

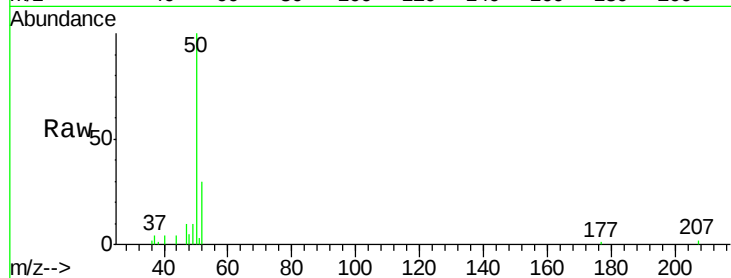
52 29.8 27.9 41.9

Manual Integrations

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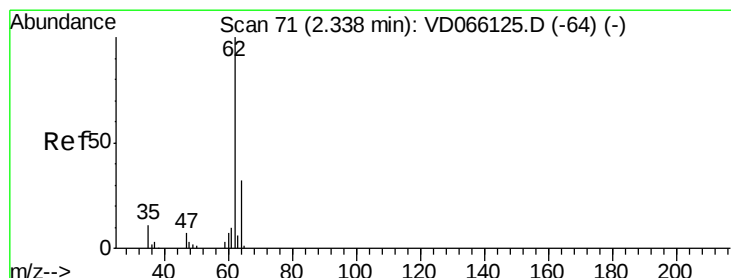
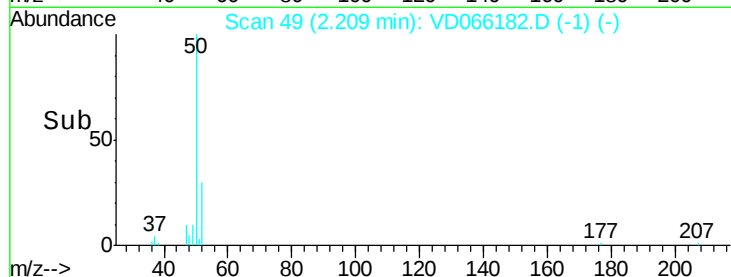
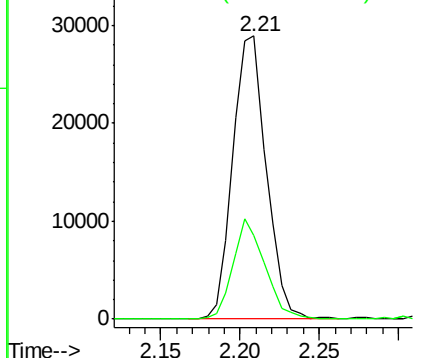
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.707 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066182.D

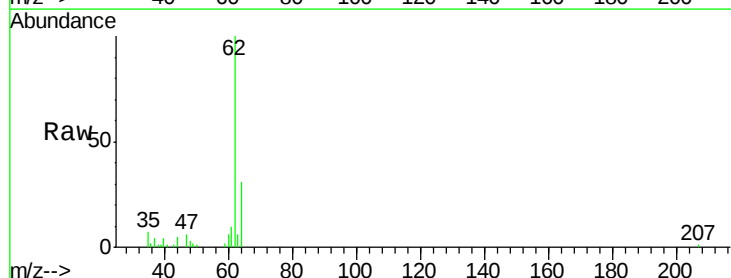
Acq: 11 Aug 2020 12:56

Tgt Ion: 62 Resp: 38605

Ion Ratio Lower Upper

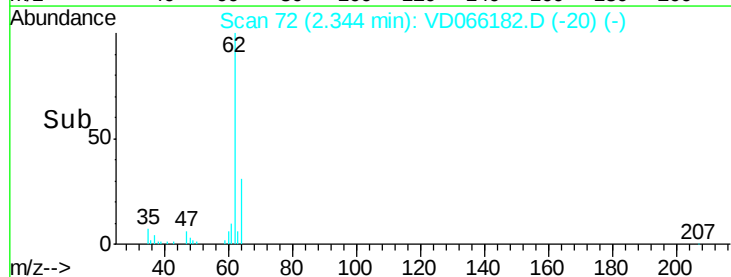
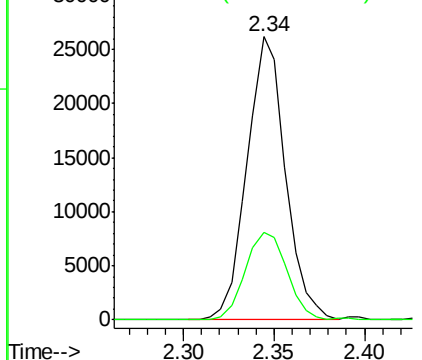
62 100

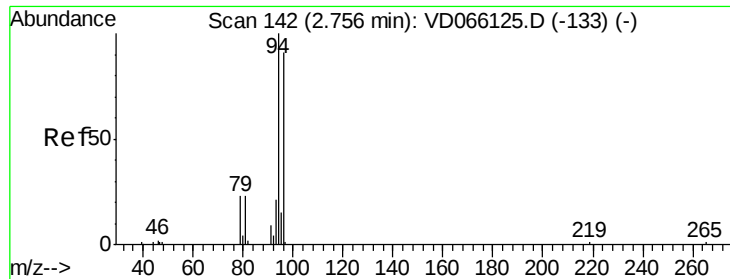
64 30.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.608 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBSD01

Tot Ion: 94 Resp: 26784

Ion Ratio Lower Upper

94 100

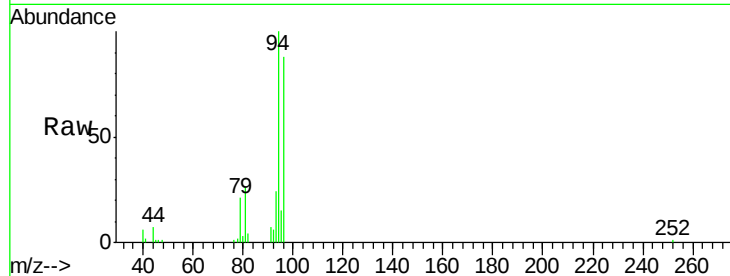
96 87.7 72.6 109.0

Manual Integrations

APPROVED

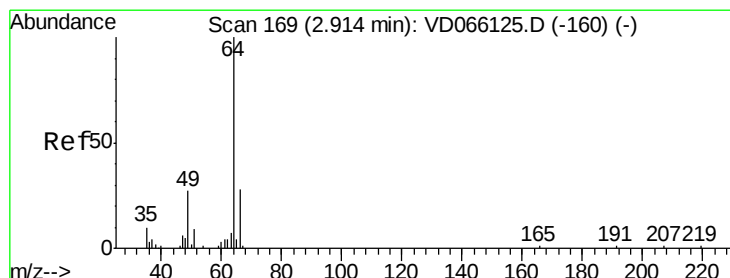
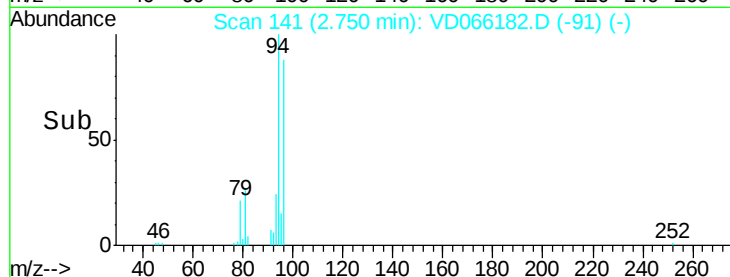
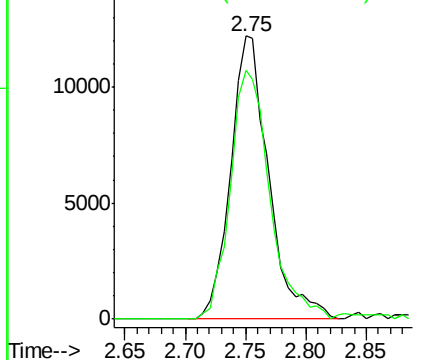
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.106 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066182.D

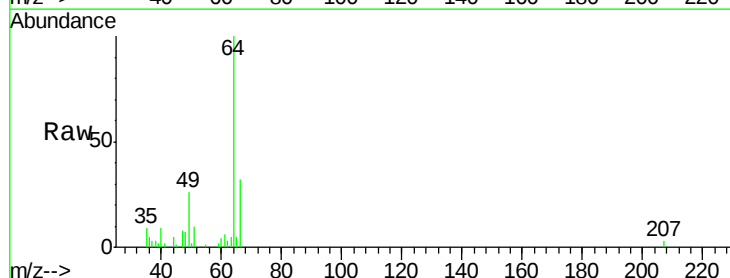
Acq: 11 Aug 2020 12:56

Tgt Ion: 64 Resp: 24177

Ion Ratio Lower Upper

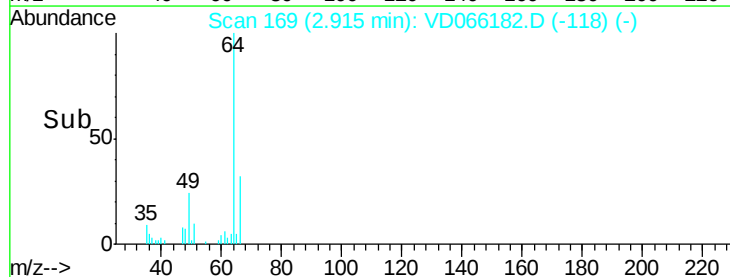
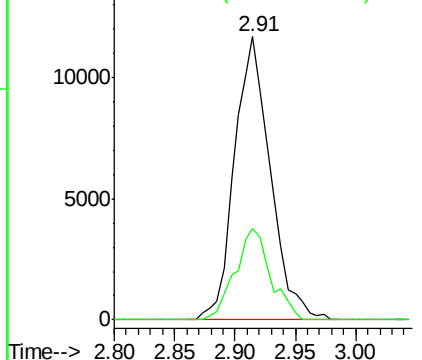
64 100

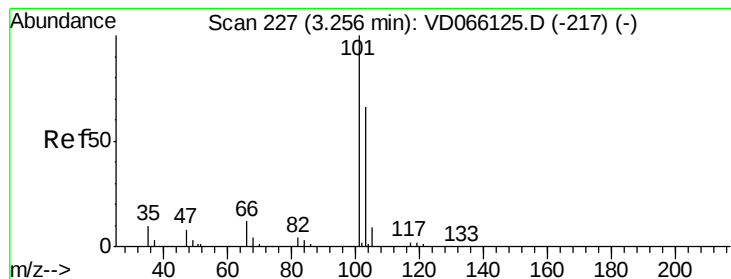
66 32.3 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

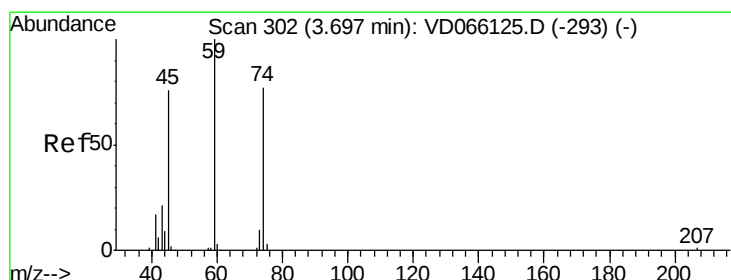
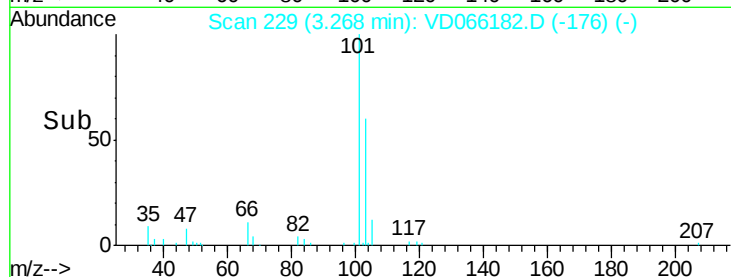
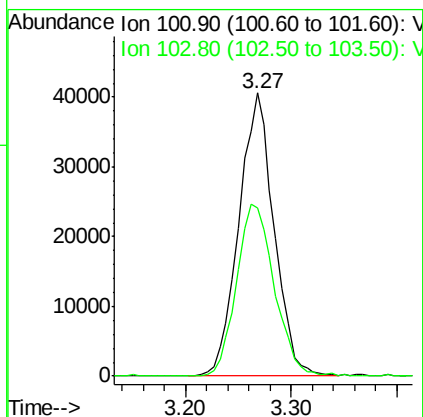
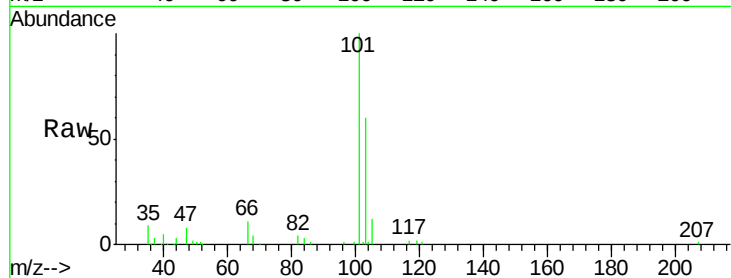
Trichlorofluoromethane
Concen: 18.354 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

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VD0811SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.6	53.0	79.6

Manual Integrations
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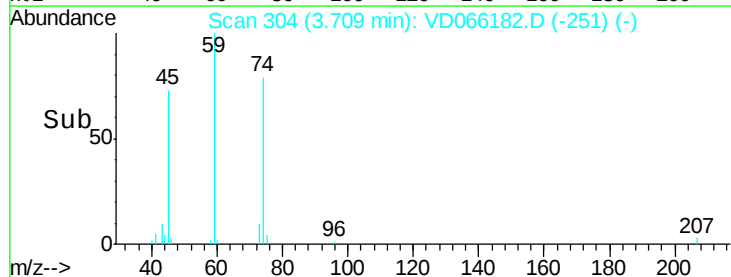
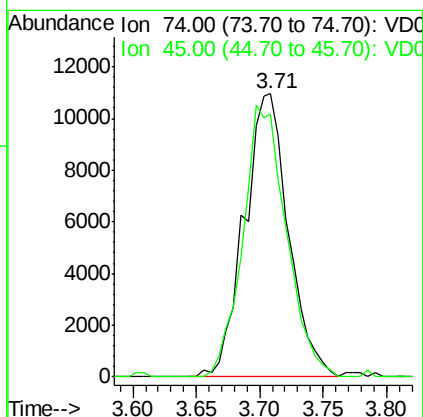
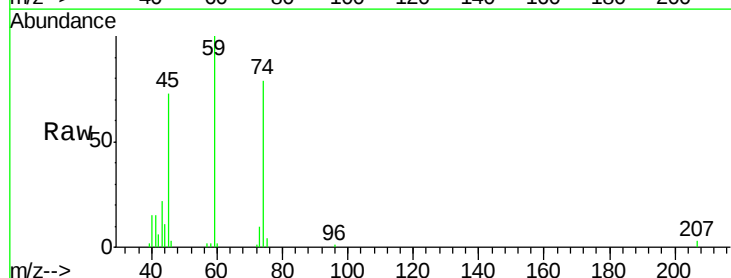
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8/12/2020 3:57:44 PM

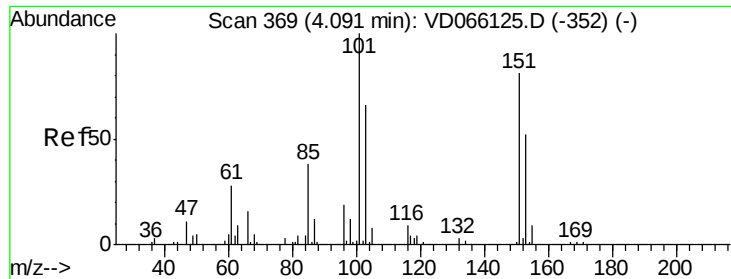


#8

Diethyl Ether
Concen: 18.438 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.059 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

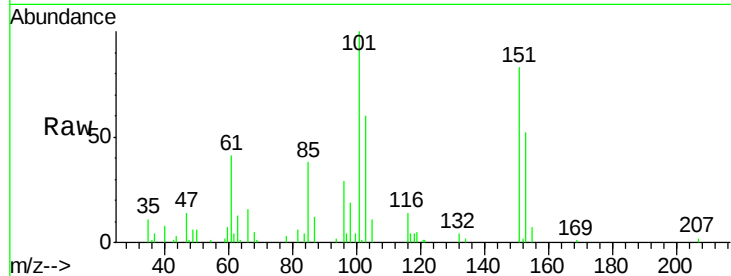
ClientSampleId :

VD0811SBS01

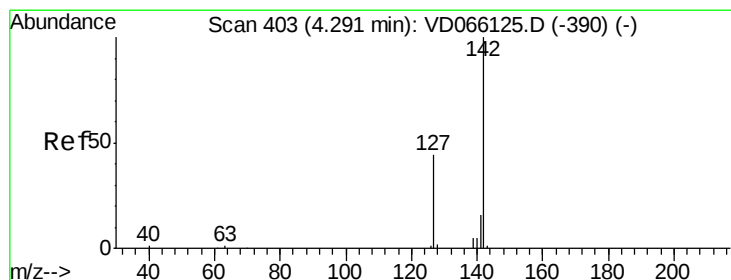
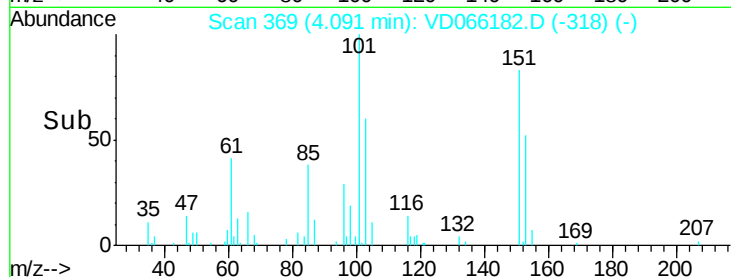
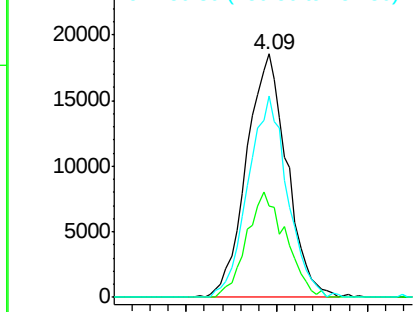
Tot Ion:	101	Resp:	57766
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.5	50.3
151	80.7	67.8	101.8

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



#10

Methyl Iodide

Concen: 23.373 ug/l

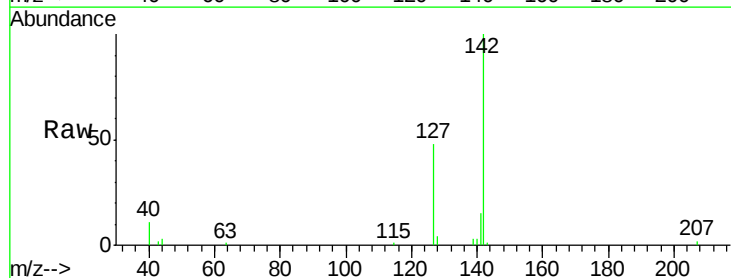
RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

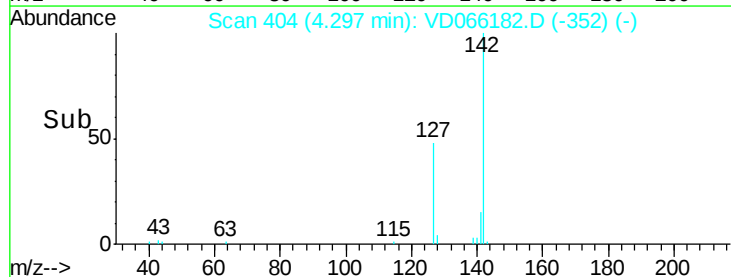
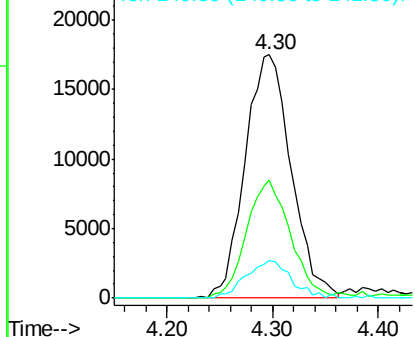
Lab File: VD066182.D

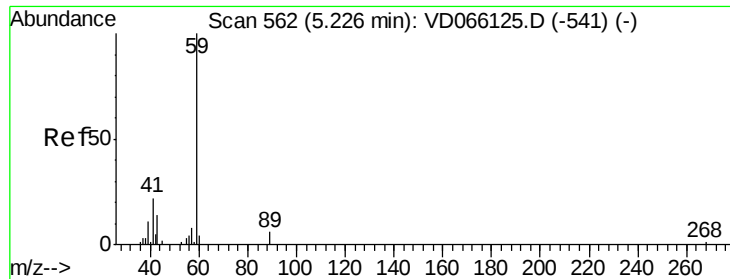
Acq: 11 Aug 2020 12:56

Tgt Ion:	142	Resp:	53105
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.2	54.4
141	15.2	12.6	18.8



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





#11

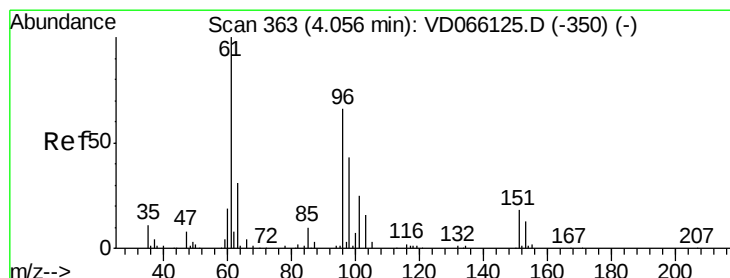
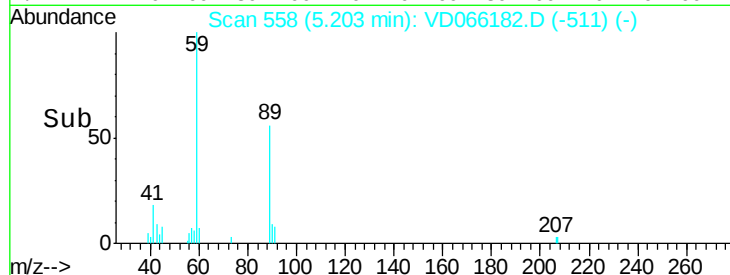
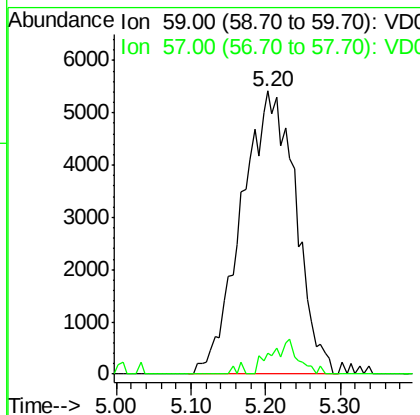
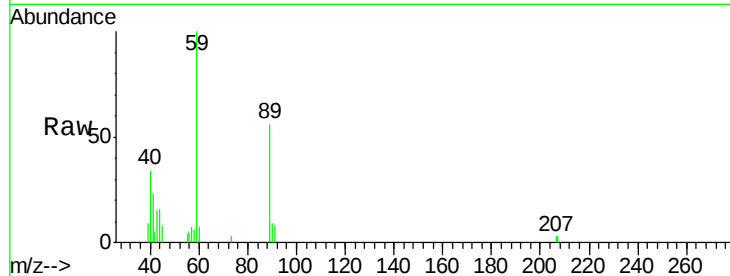
Tert butyl alcohol
 Concen: 104.443 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBSD01

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

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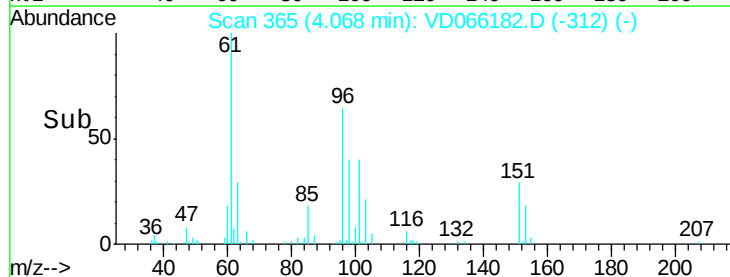
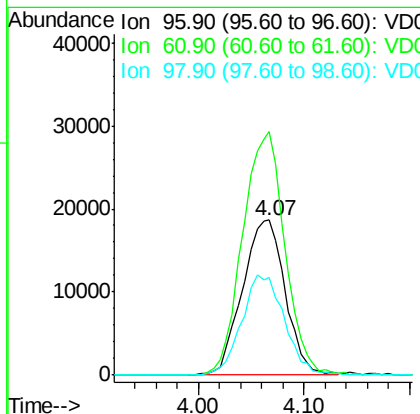
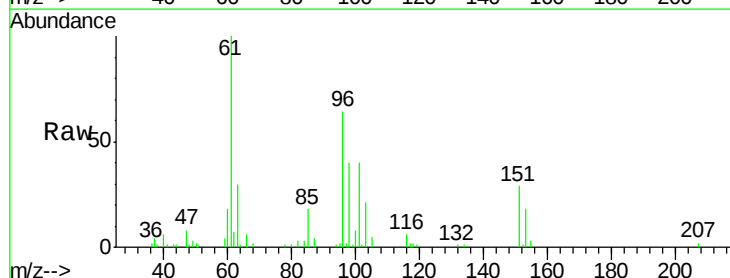
MMDadoda
 8/12/2020 3:57:44 PM

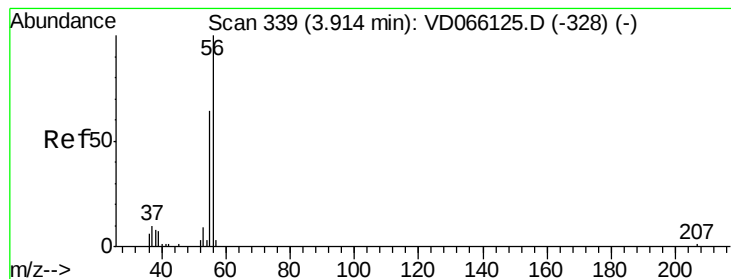


#12

1,1-Dichloroethene
 Concen: 18.329 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	121.6	182.4
98	63.2	52.0	78.0





#13

Acrolein

Concen: 79.202 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBSD01

Tot Ion: 56 Resp: 18159

Ion Ratio Lower Upper

56 100

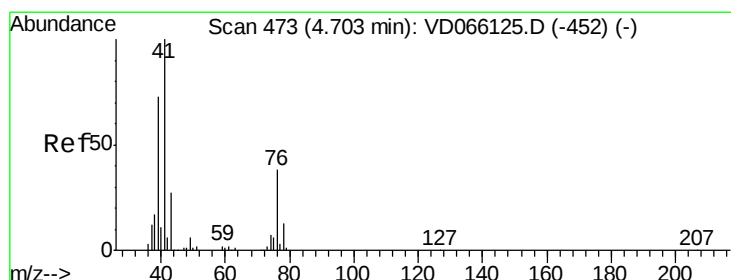
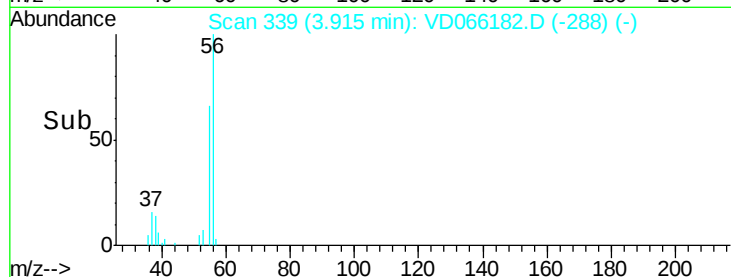
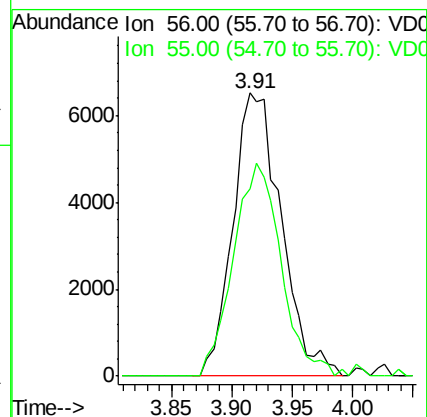
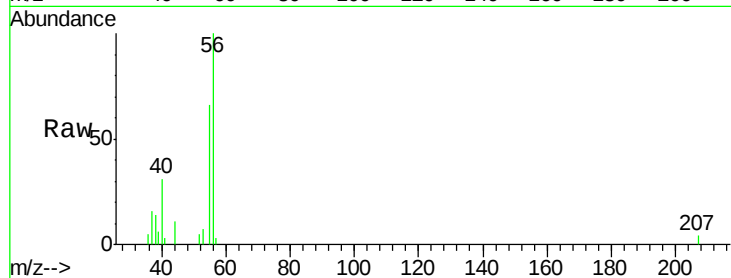
55 74.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.370 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

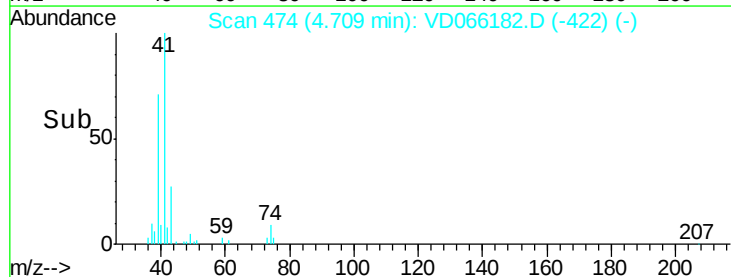
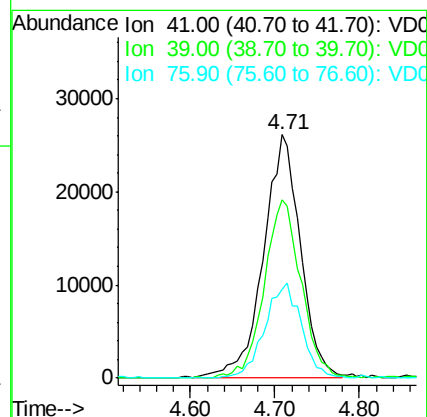
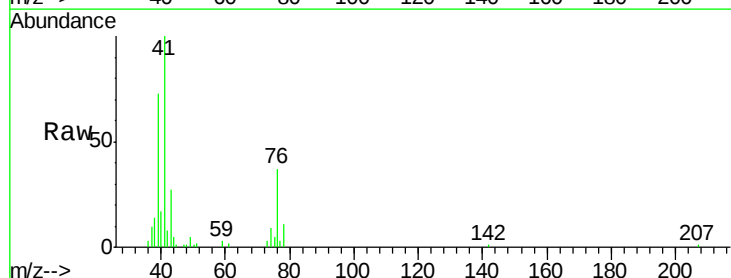
Tgt Ion: 41 Resp: 79572

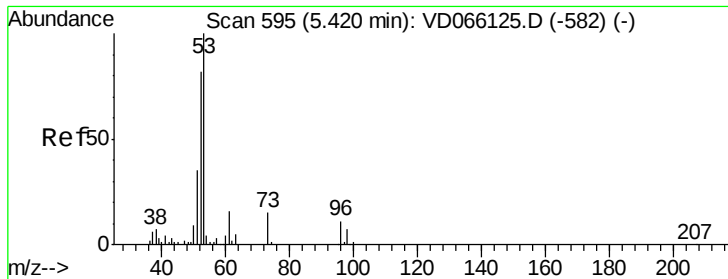
Ion Ratio Lower Upper

41 100

39 73.1 57.4 86.0

76 38.6 30.1 45.1





#15

Acrylonitrile

Concen: 92.902 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

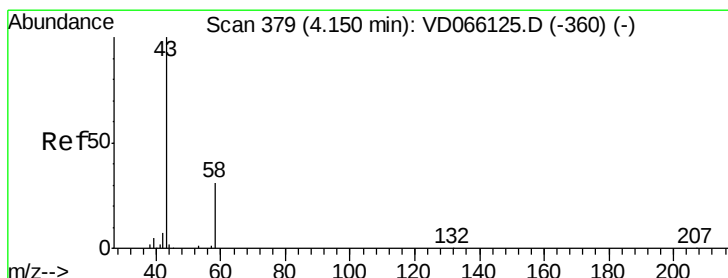
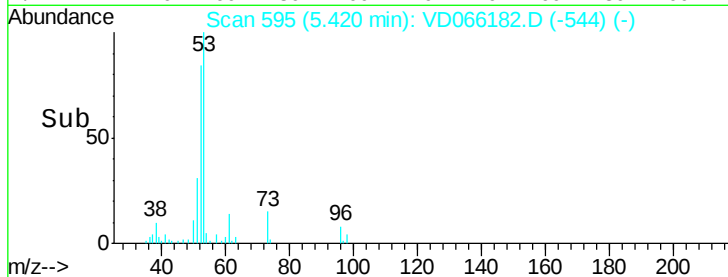
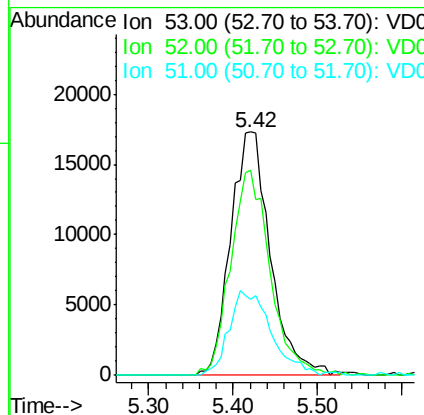
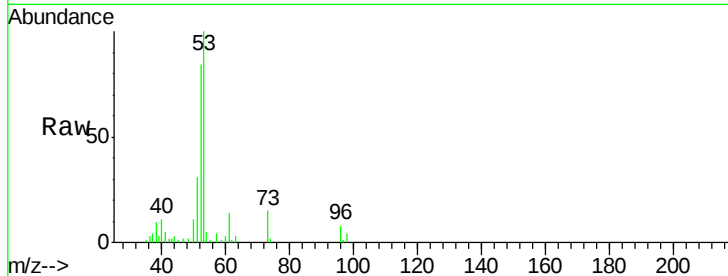
ClientSampleId :

VD0811SBS01

Tot Ion:	53	Resp:	56415
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.1	99.1
51	36.8	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 91.233 ug/l

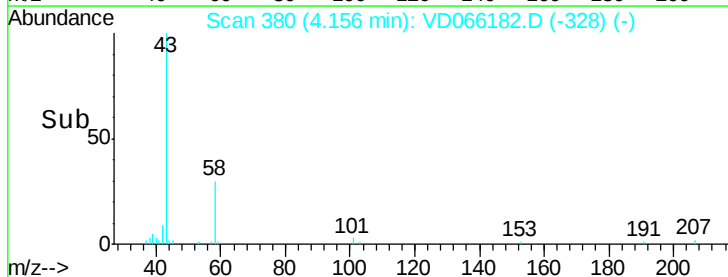
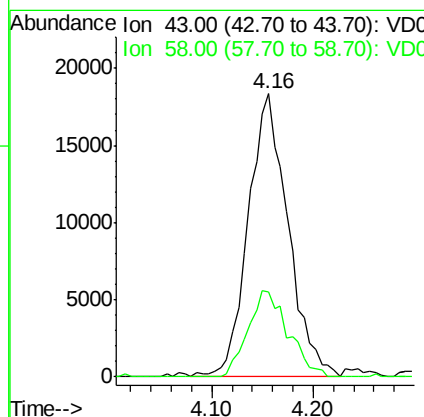
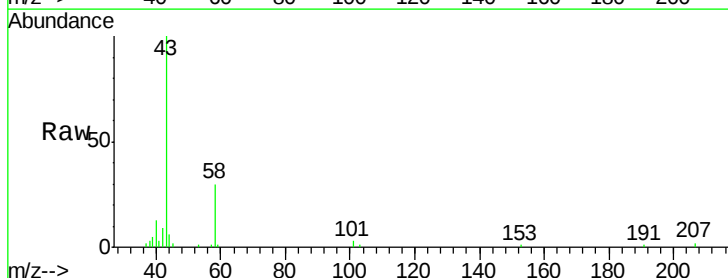
RT: 4.16 min Scan# 380

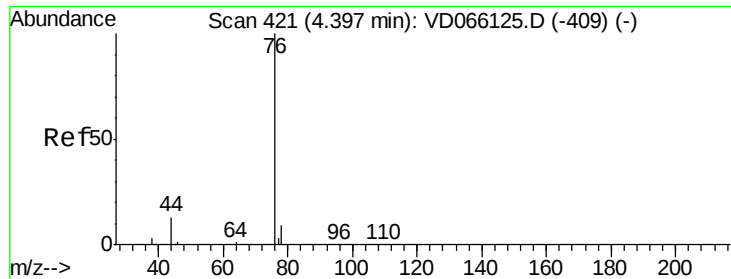
Delta R.T. 0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Tgt Ion:	43	Resp:	49862
Ion Ratio	Lower	Upper	
43	100		
58	30.0	24.7	37.1





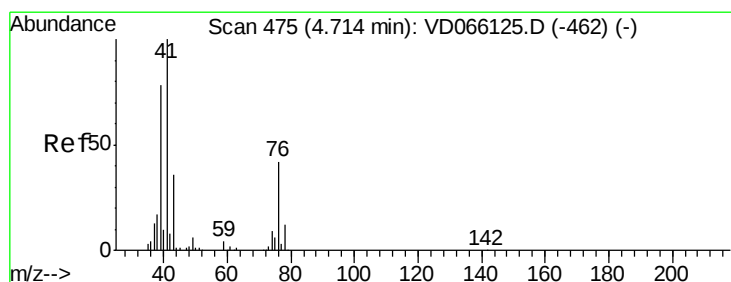
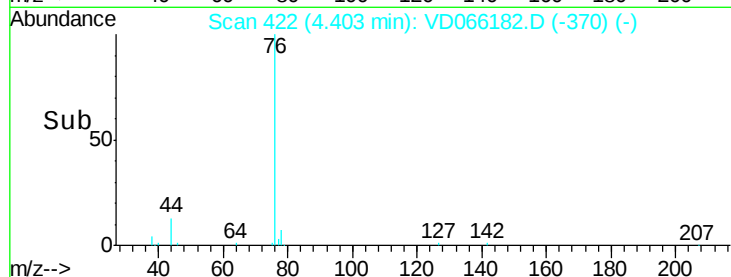
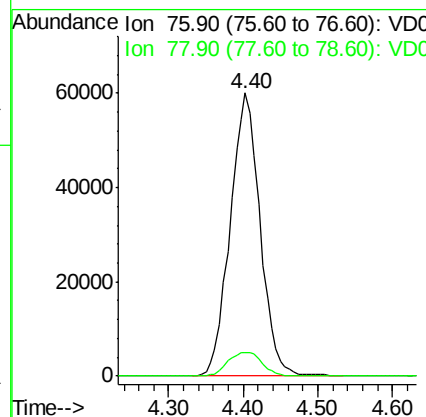
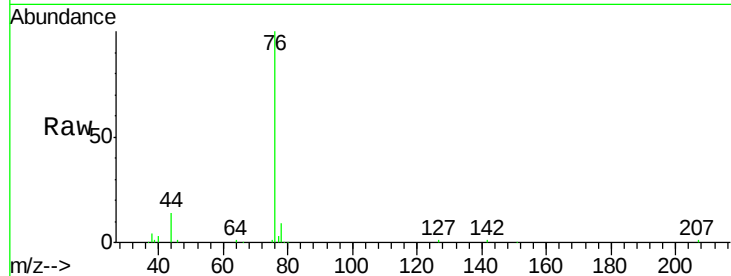
#17
Carbon Disulfide
Concen: 18.380 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.5	11.3

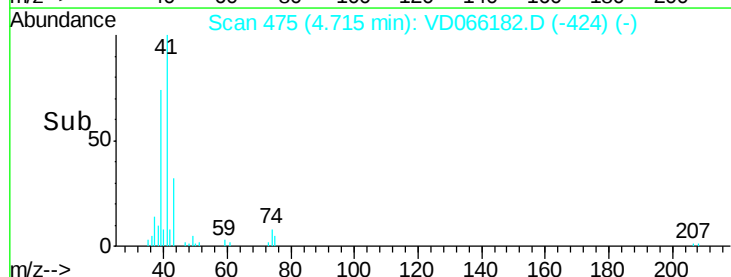
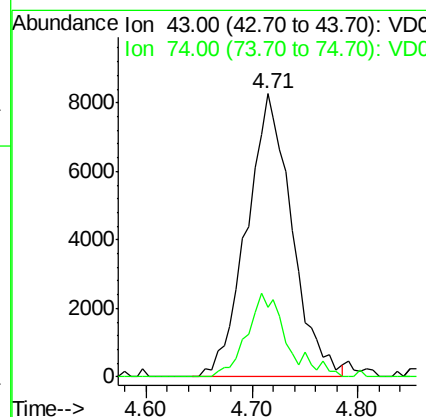
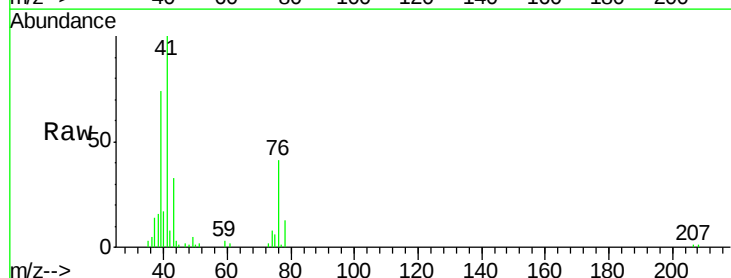
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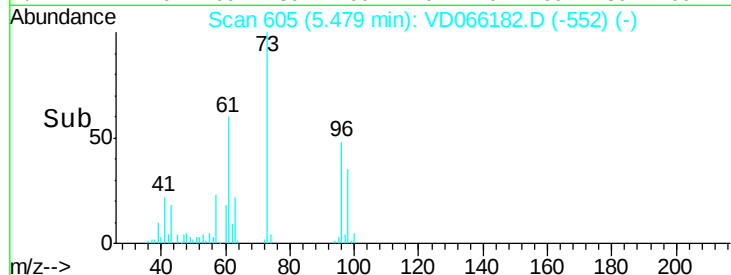
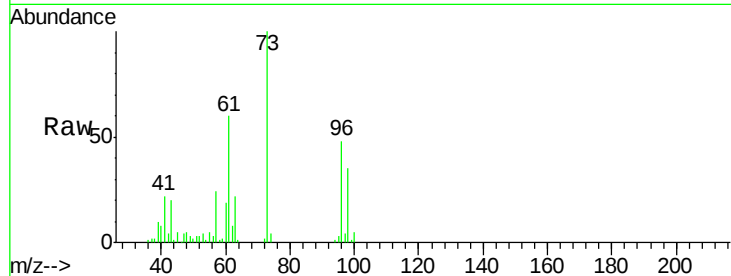
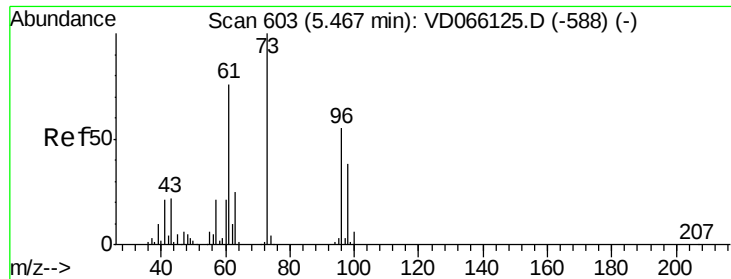
MMDadoda
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#18
Methyl Acetate
Concen: 17.661 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	21.2	31.8





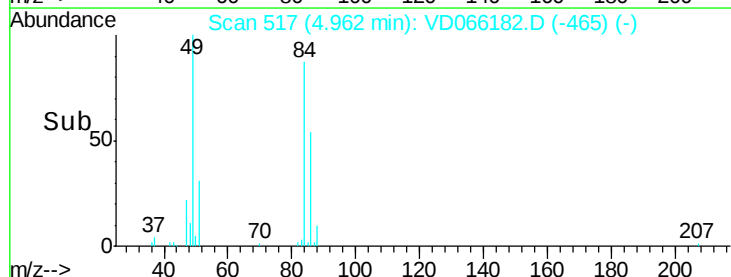
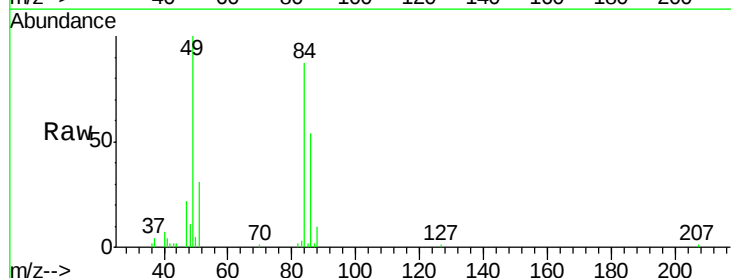
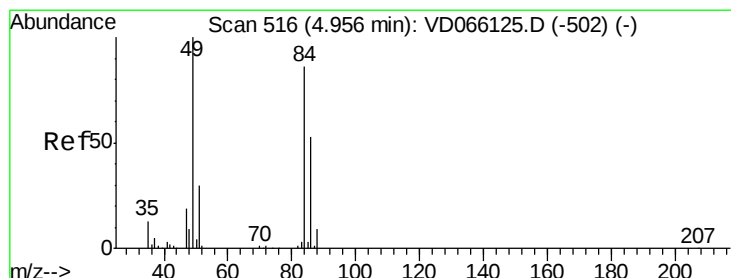
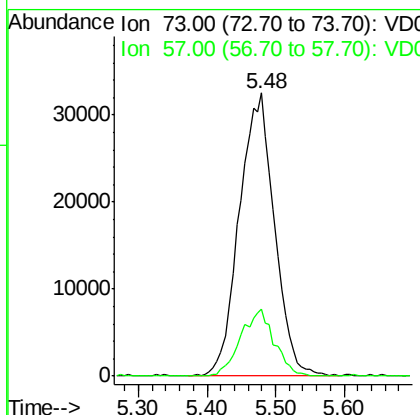
#19
Methvl tert-butvl Ether
Concen: 17.697 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tot Ion: 73 Resp: 115980
Ion Ratio Lower Upper
73 100
57 23.5 17.1 25.7

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBSD01

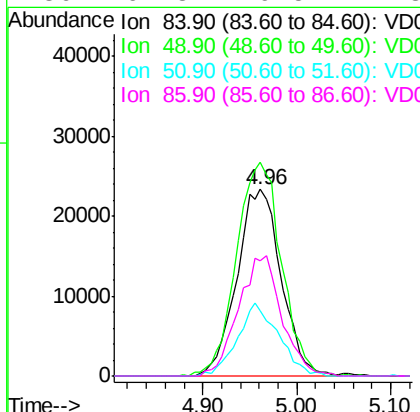
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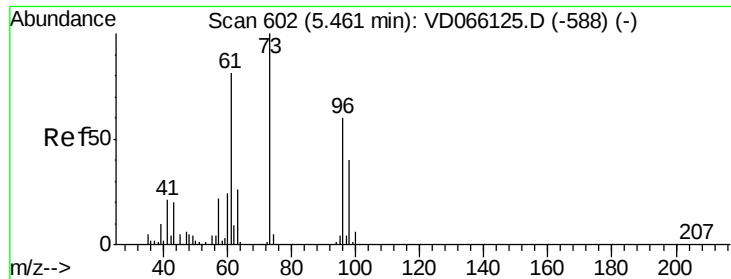
MMDadoda
8/12/2020 3:57:44 PM



#20
Methylene Chloride
Concen: 21.591 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion: 84 Resp: 76087
Ion Ratio Lower Upper
84 100
49 114.3 93.5 140.3
51 35.0 28.2 42.4
86 61.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 18.242 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

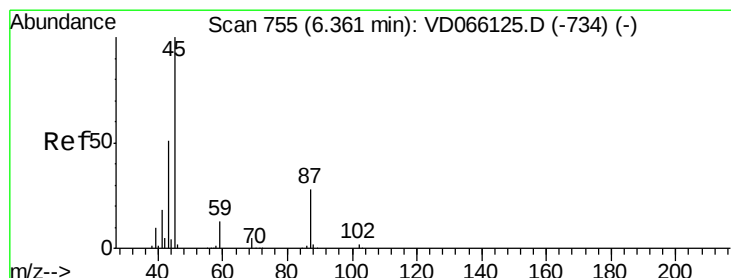
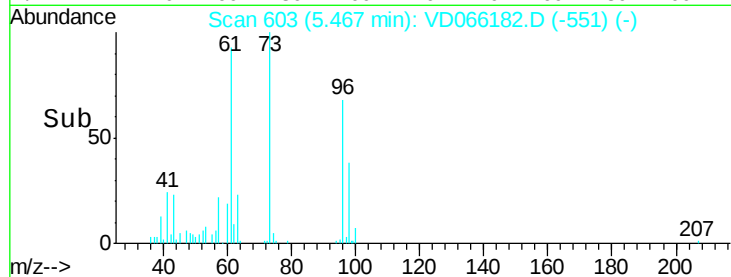
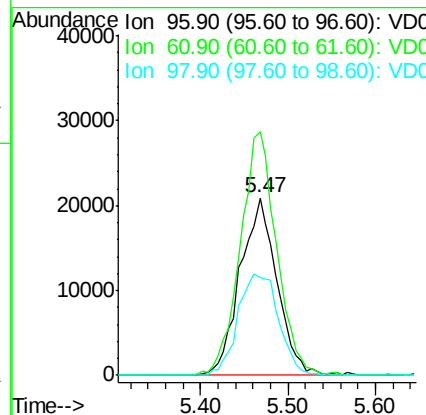
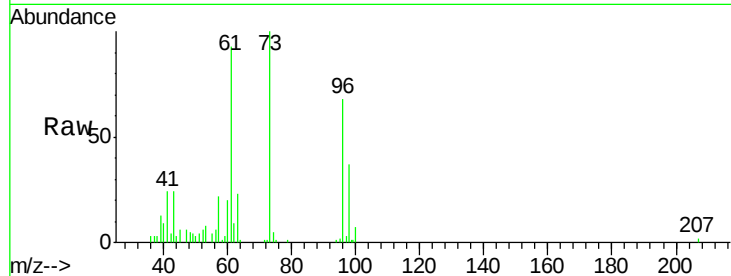
ClientSampleId :

VD0811SBS01

Tot Ion:	96	Resp:	59918
Ion	Ratio	Lower	Upper
96	100		
61	137.4	106.9	160.3
98	54.9	53.4	80.0

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#22

Diisopropyl ether

Concen: 18.786 ug/l

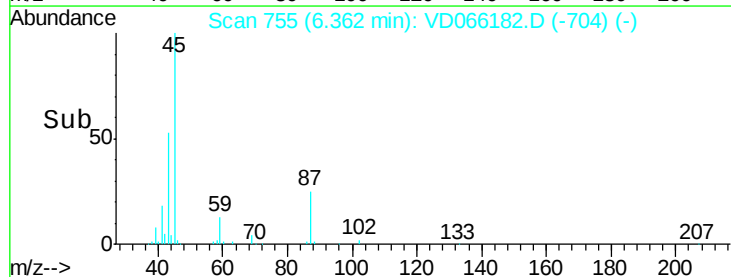
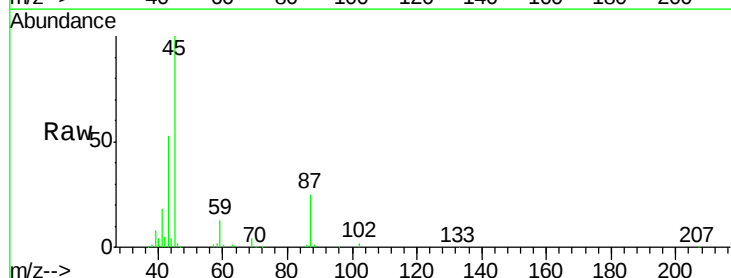
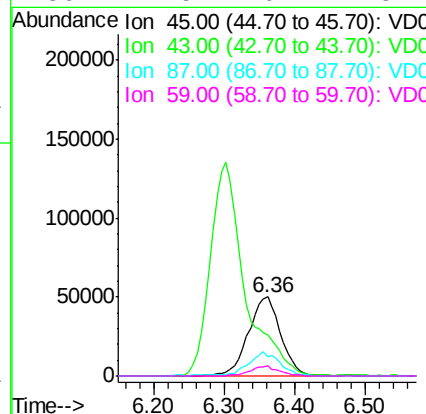
RT: 6.36 min Scan# 755

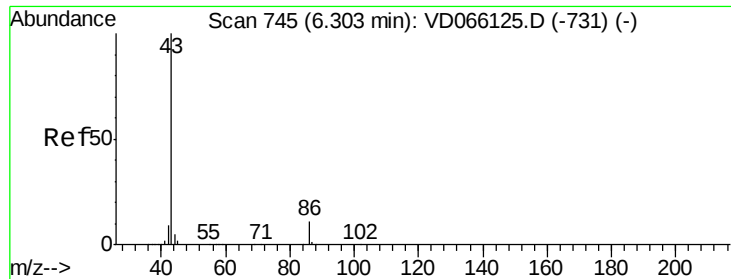
Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Tgt Ion:	45	Resp:	160923
Ion	Ratio	Lower	Upper
45	100		
43	51.3	41.2	61.8
87	25.0	22.8	34.2
59	12.5	10.2	15.2





#23

Vinyl Acetate

Concen: 91.607 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 43 Resp: 459714

Ion Ratio Lower Upper

43 100

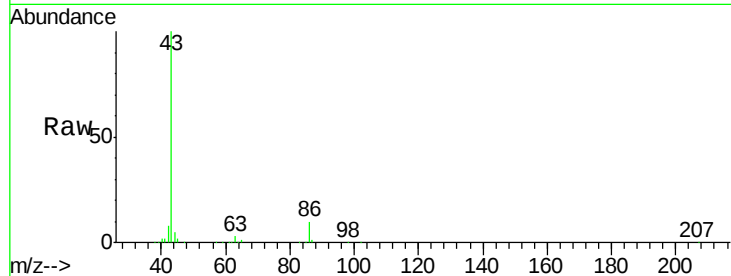
86 10.0 9.1 13.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

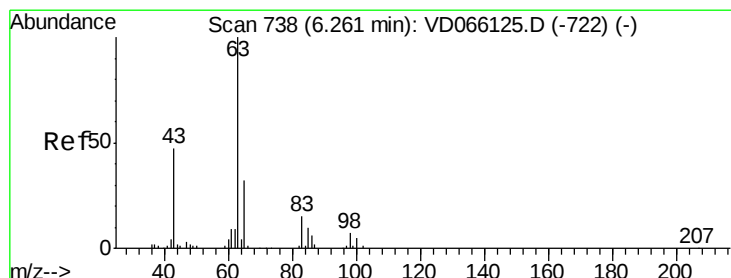
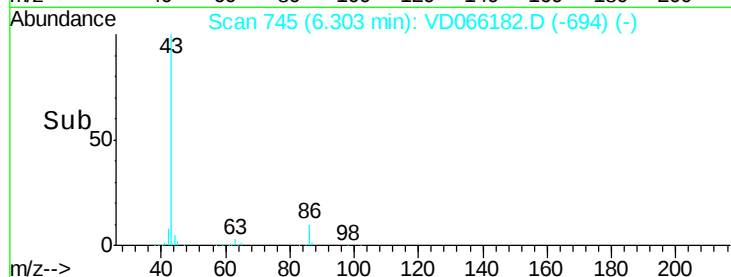
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.667 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

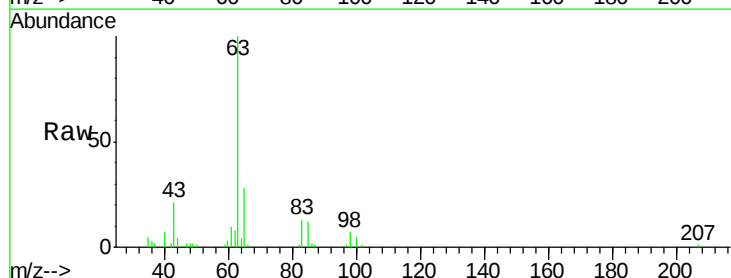
Tgt Ion: 63 Resp: 98958

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

40000

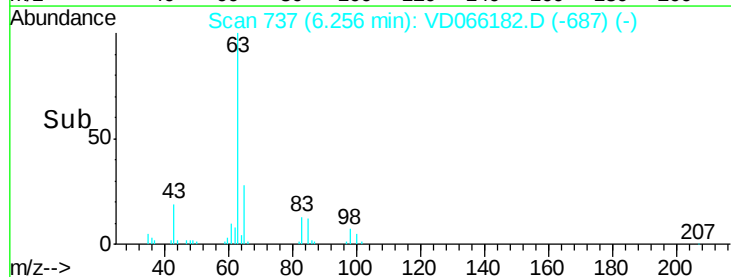
30000

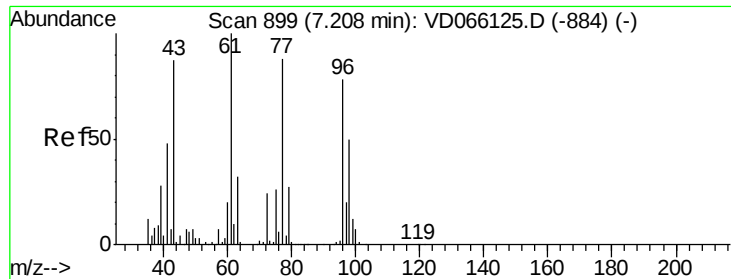
20000

10000

0

Time-->





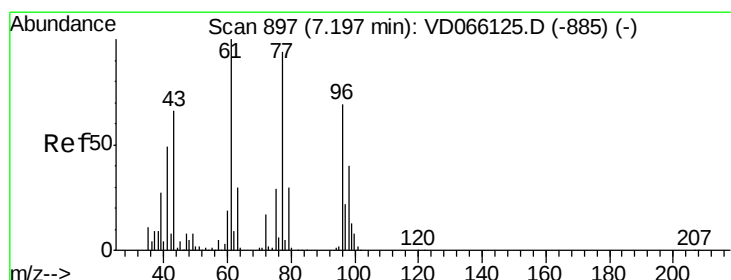
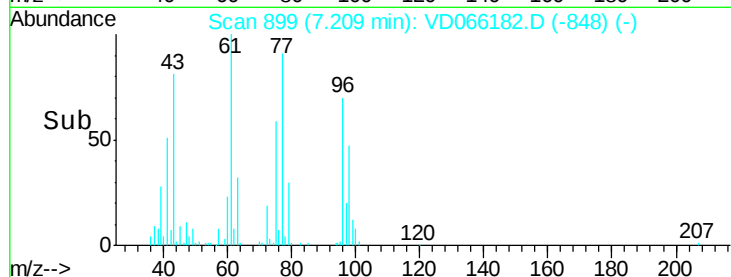
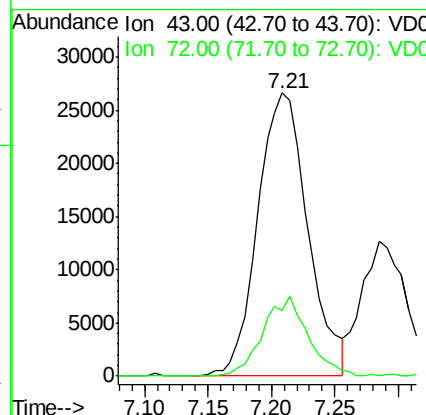
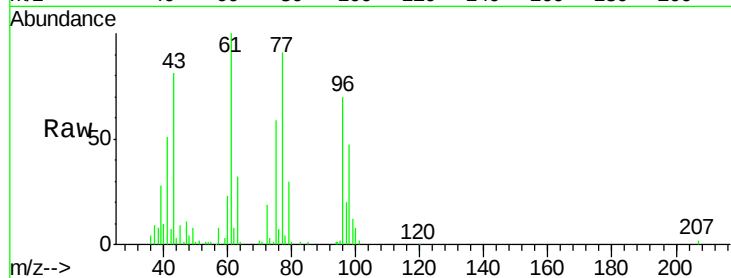
#25
2-Butanone
Concen: 91.190 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBSD01

Tot Ion: 43 Resp: 73303
Ion Ratio Lower Upper
43 100
72 23.3 22.2 33.2

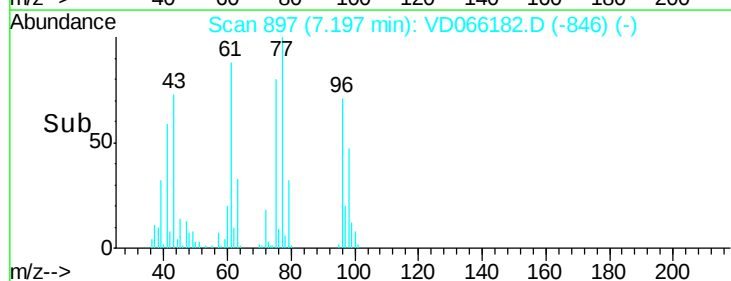
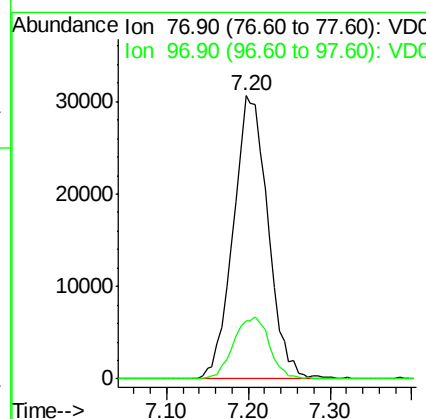
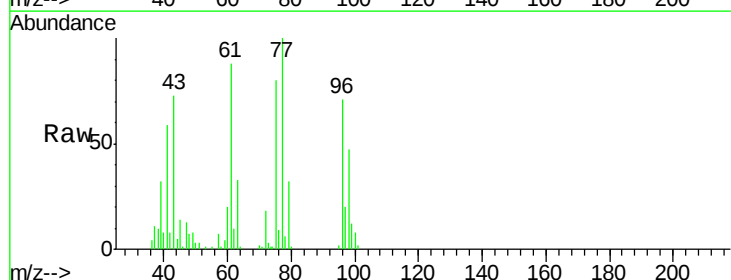
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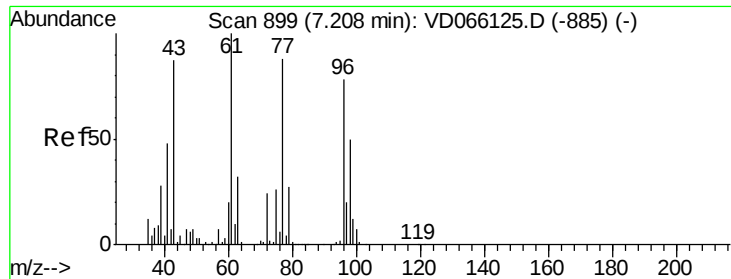
MMDadoda
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#26
2,2-Dichloropropane
Concen: 19.105 ug/l
RT: 7.20 min Scan# 897
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion: 77 Resp: 90776
Ion Ratio Lower Upper
77 100
97 22.3 11.8 35.3





#27

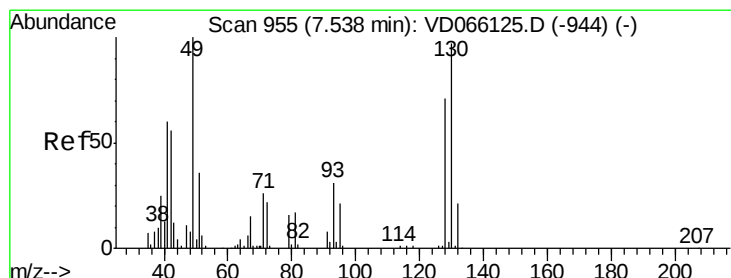
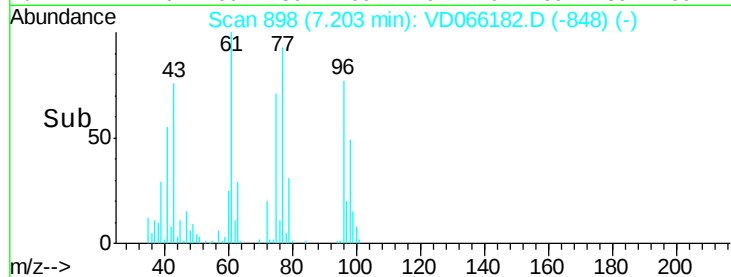
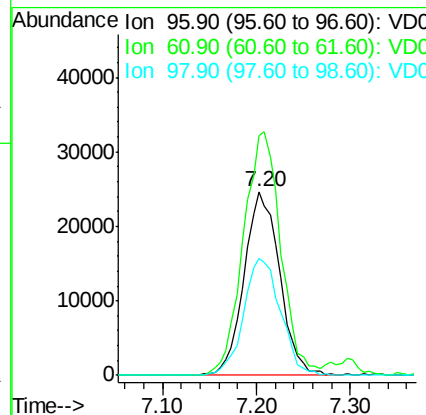
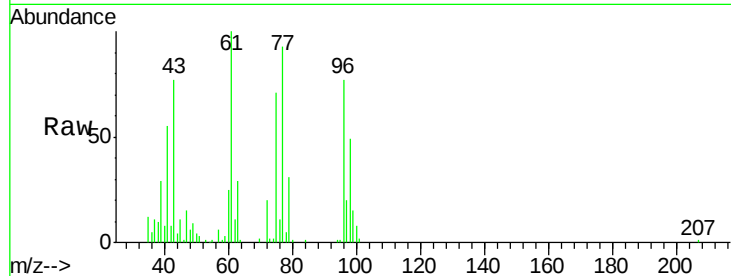
cis-1,2-Dichloroethene
Concen: 18.740 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	64563		
61	139.4	0.0	281.6	
98	65.9	0.0	130.8	

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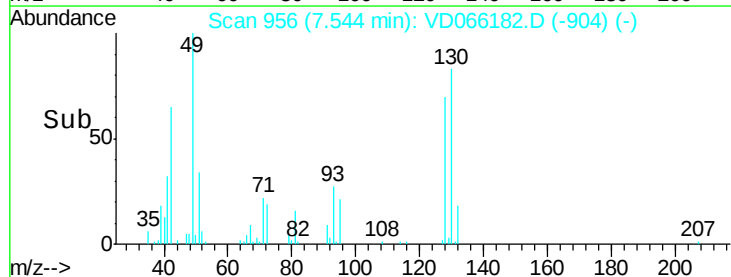
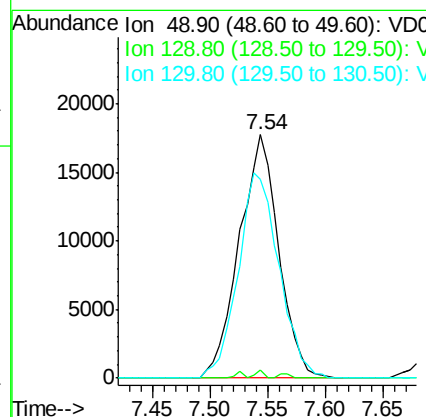
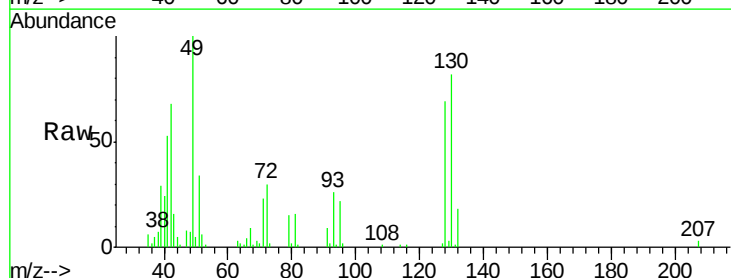
MMDadoda
8/12/2020 3:57:44 PM

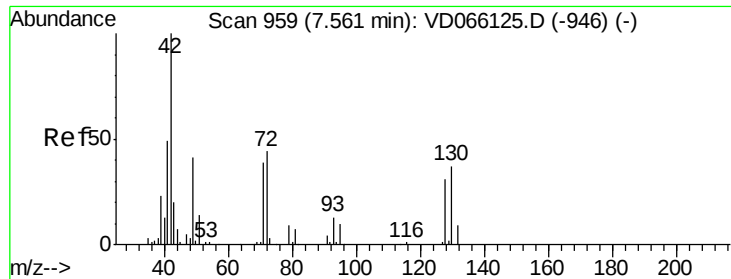


#28

Bromochloromethane
Concen: 22.595 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	42071		
129	0.7	0.0	6.0	
130	87.4	73.8	110.6	





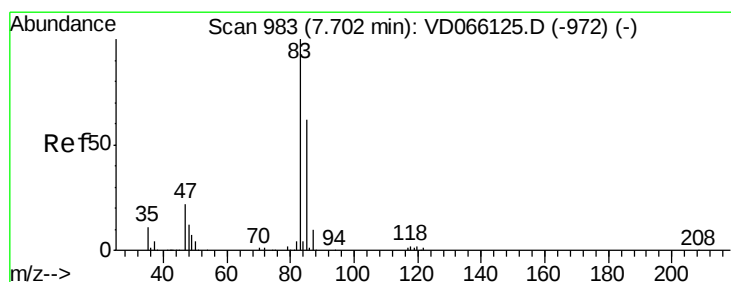
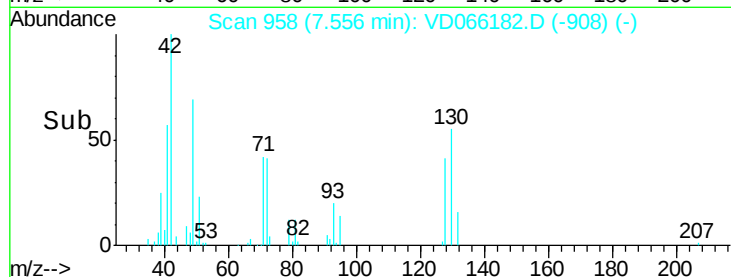
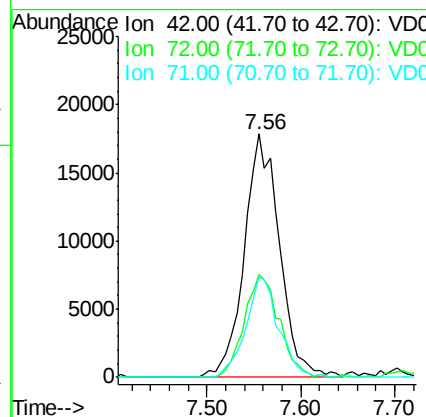
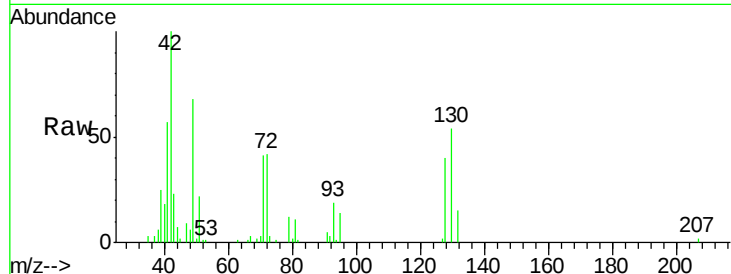
#29
Tetrahydrofuran
Concen: 93.214 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	34.8	52.2
71	38.4	33.5	50.3

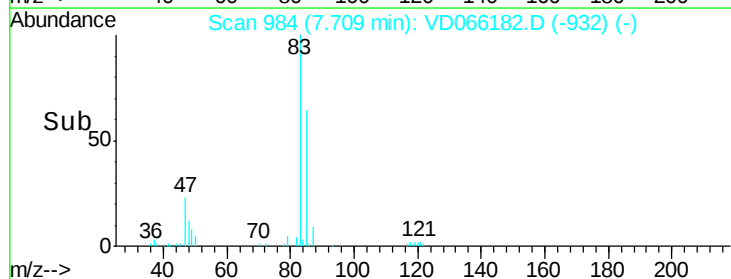
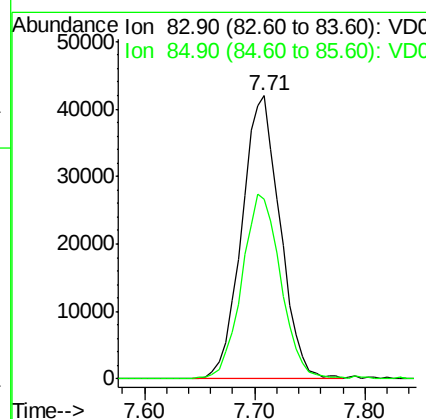
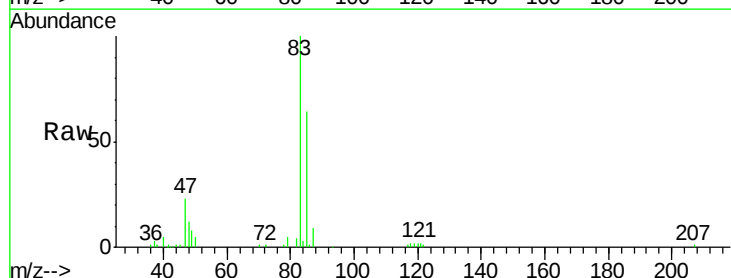
Manual Integrations
APPROVED

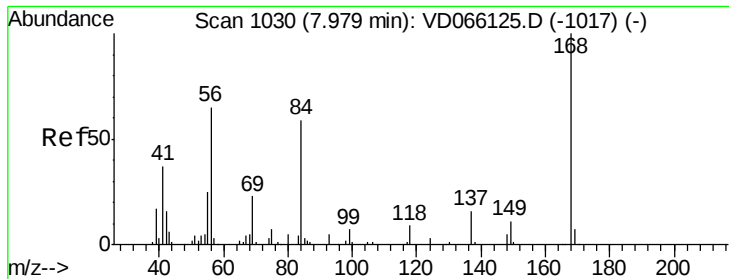
MMDadoda
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#30
Chloroform
Concen: 18.337 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.5	74.3





#31

Cyclohexane

Concen: 18.390 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

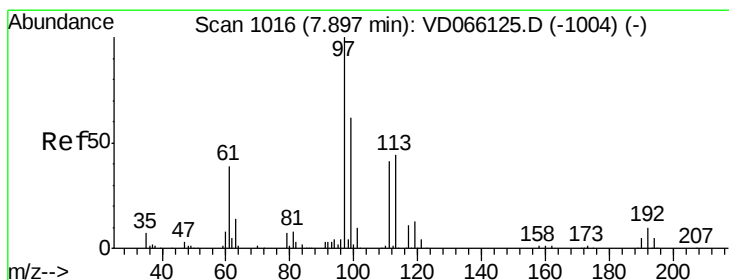
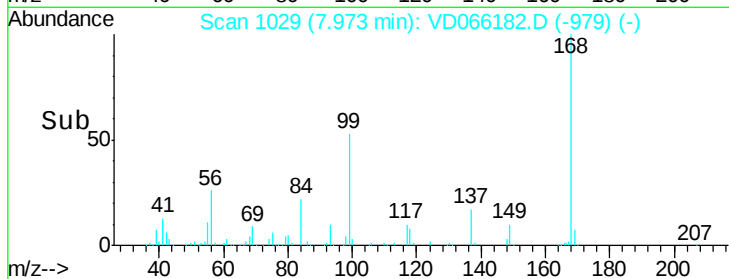
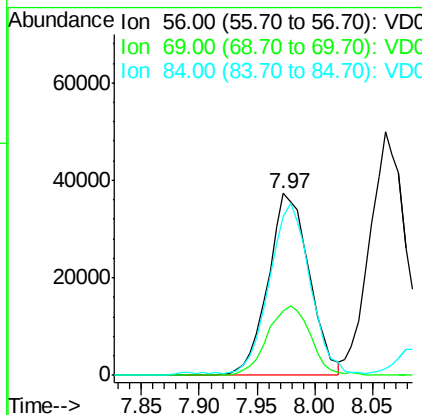
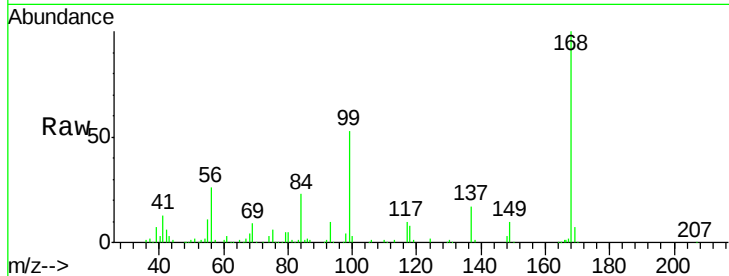
ClientSampleId :

VD0811SBS01

Tot Ion:	56	Resp:	92802
Ion Ratio	Lower	Upper	
56	100		
69	35.5	28.8	43.2
84	86.3	73.0	109.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.747 ug/l

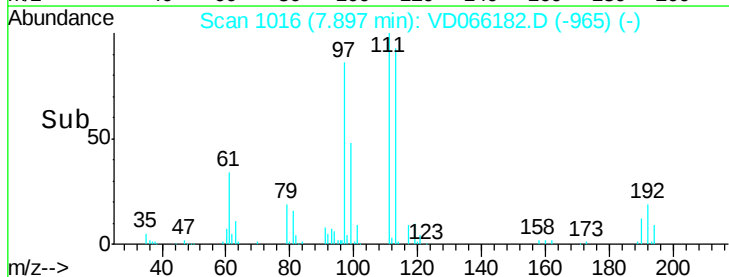
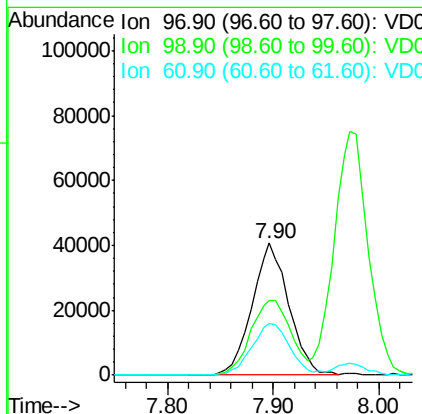
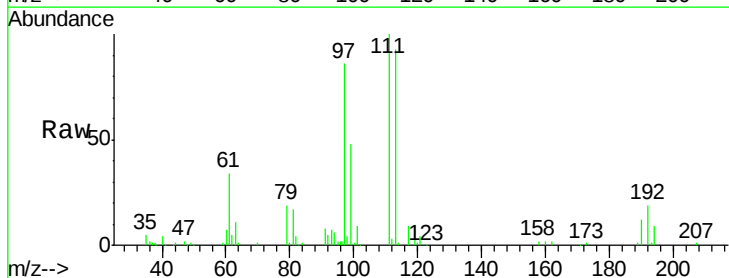
RT: 7.90 min Scan# 1016

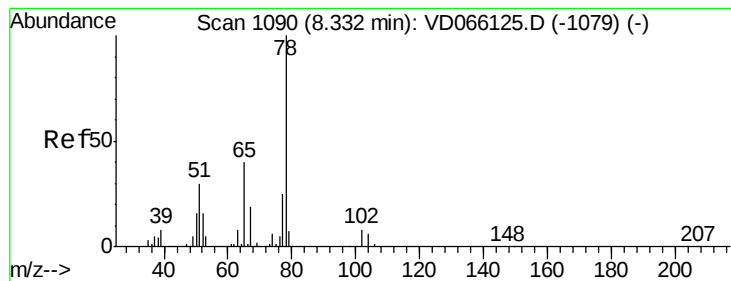
Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Tgt Ion:	97	Resp:	97842
Ion Ratio	Lower	Upper	
97	100		
99	62.2	51.1	76.7
61	40.6	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 52.160 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 65 Resp: 150240

Ion Ratio Lower Upper

65 100

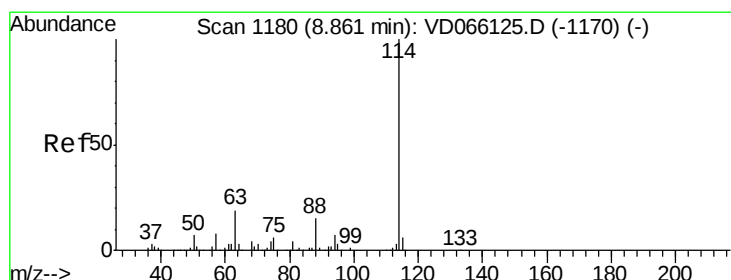
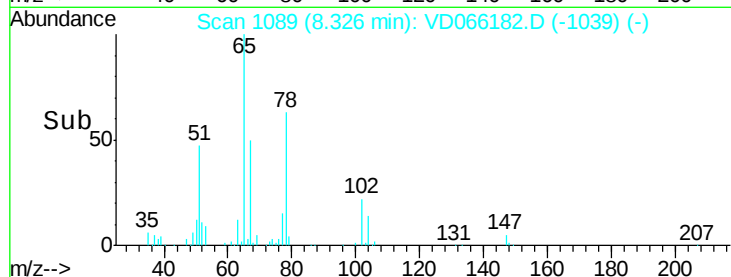
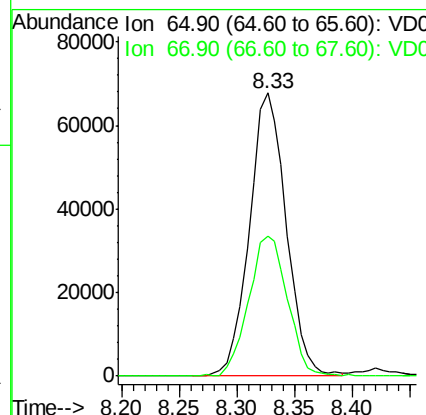
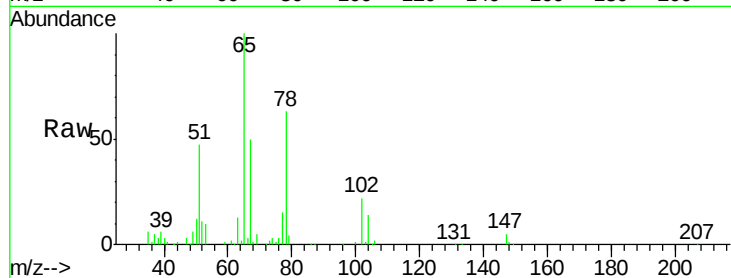
67 52.1 0.0 104.6

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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: VD066182.D

Acq: 11 Aug 2020 12:56

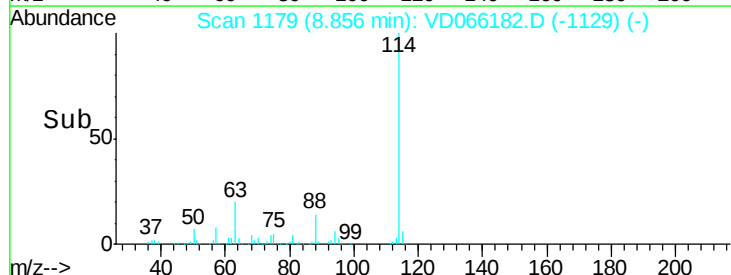
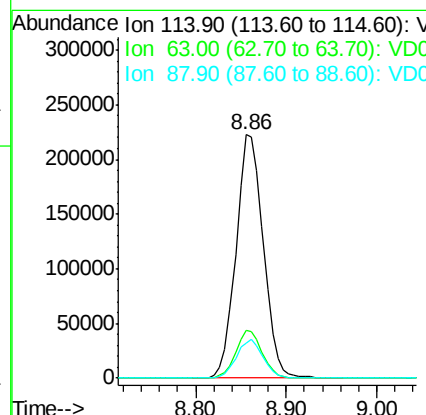
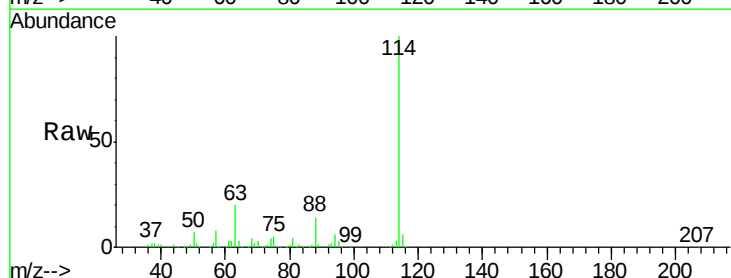
Tgt Ion: 114 Resp: 467094

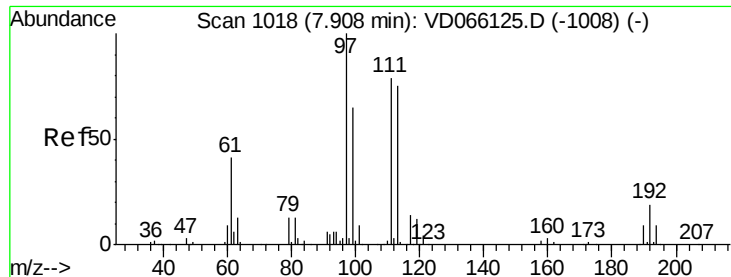
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.6

88 14.3 0.0 30.0





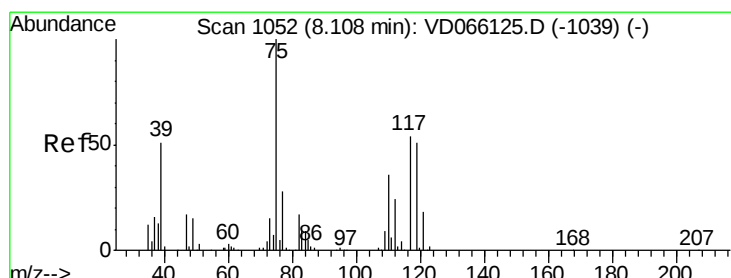
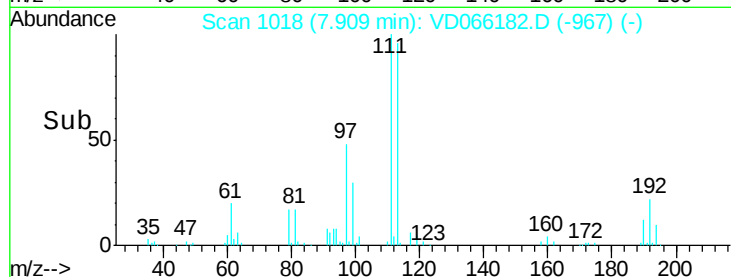
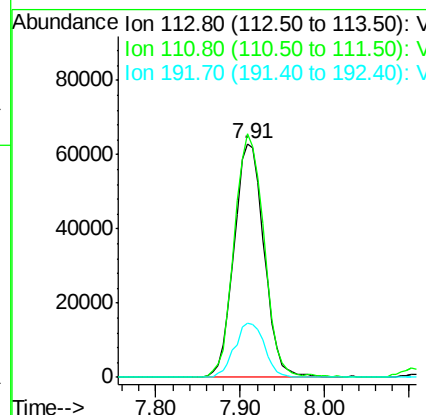
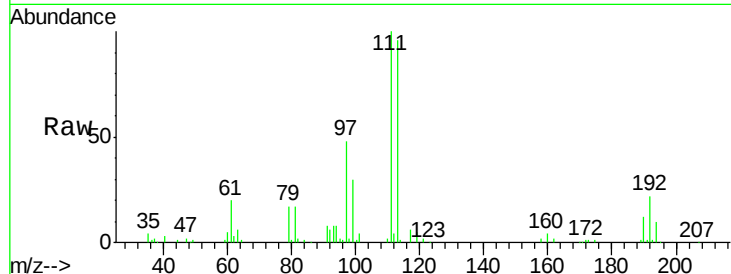
#35
 Dibromofluoromethane
 Concen: 52.069 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	154073		
111	103.4	80.7	121.1	
192	23.2	18.4	27.6	

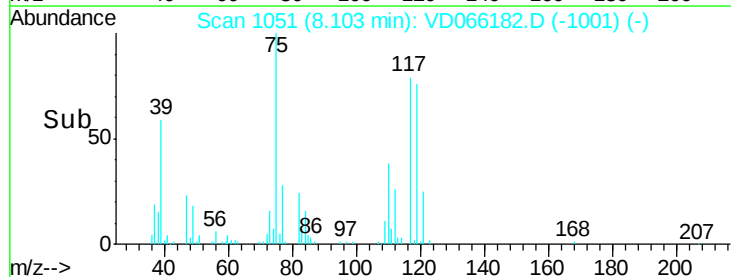
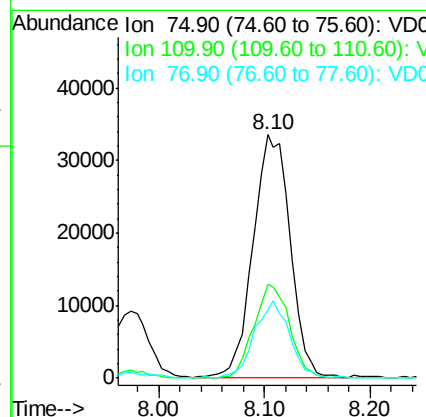
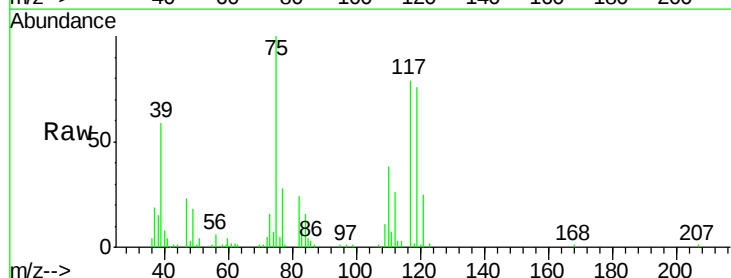
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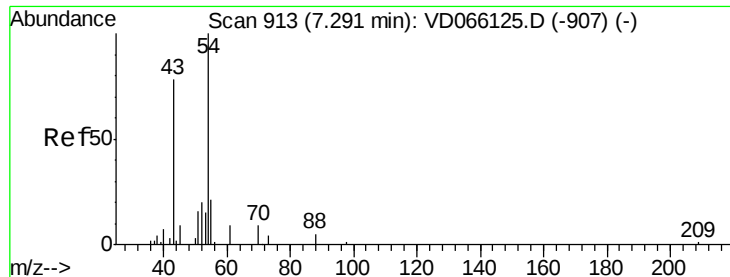
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#36
 1,1-Dichloropropene
 Concen: 18.740 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82256		
110	37.0	18.8	56.3	
77	29.9	24.2	36.2	





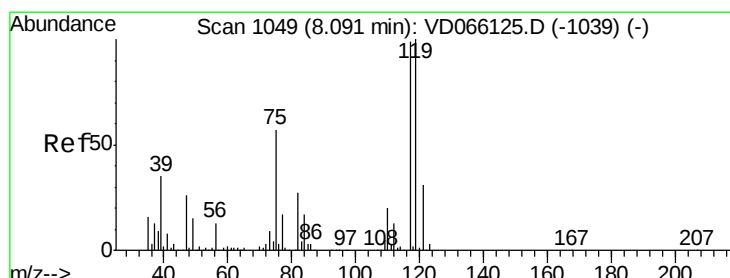
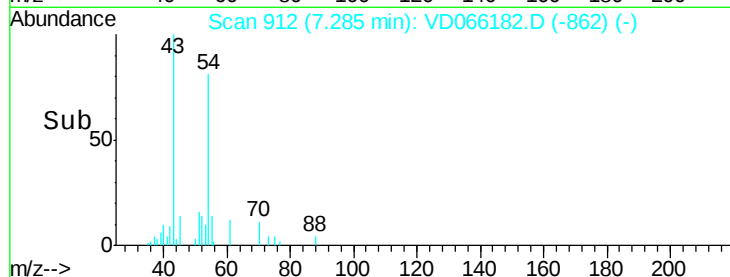
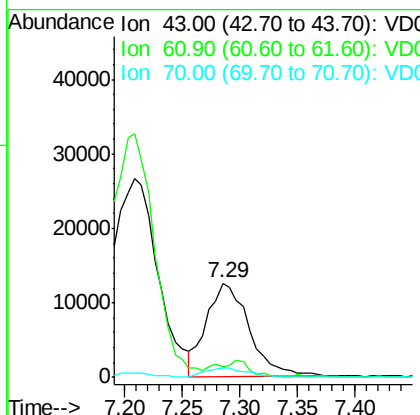
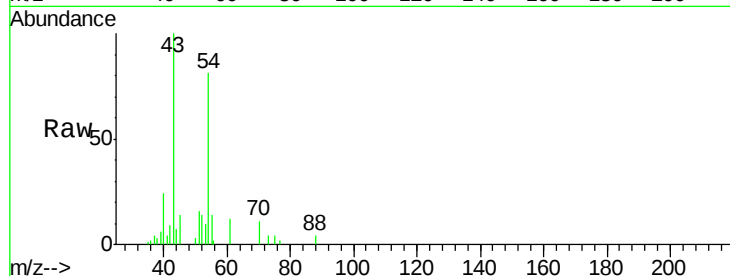
#37
Ethyl Acetate
Concen: 18.563 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.0	18.0
70	10.1	9.7	14.5

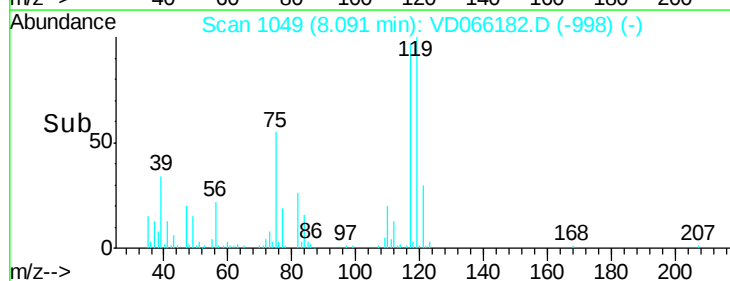
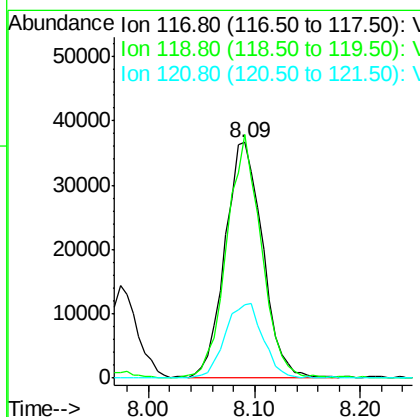
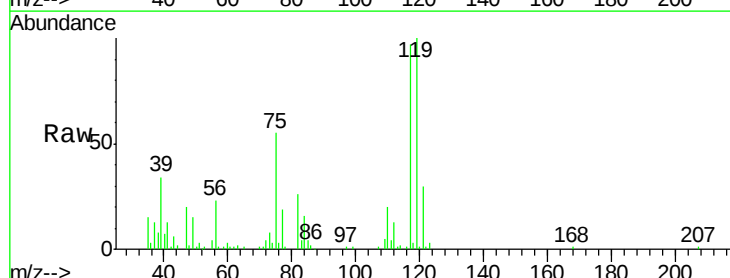
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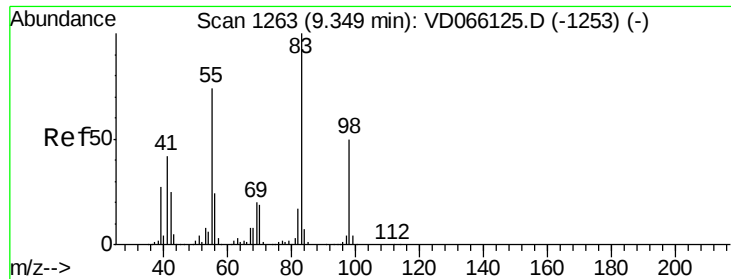
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#38
Carbon Tetrachloride
Concen: 18.535 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.5	81.0	121.4
121	31.2	24.8	37.2





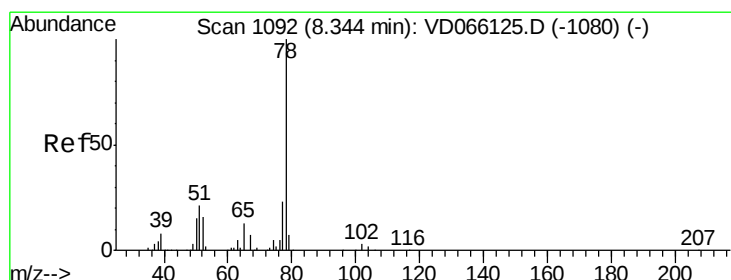
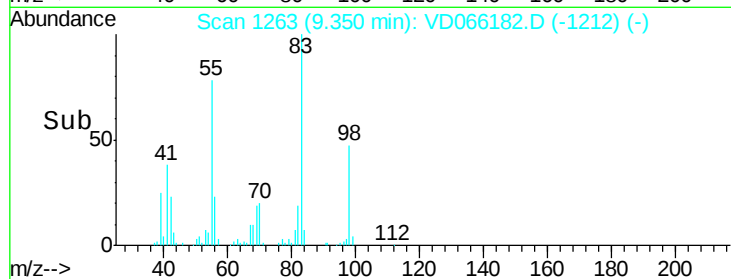
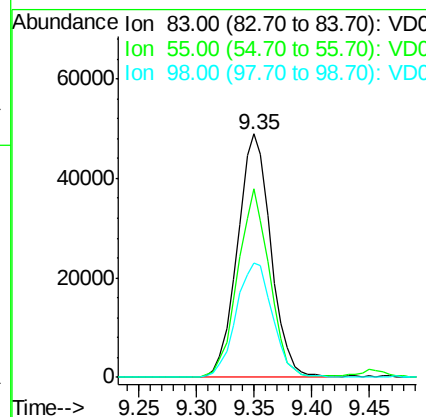
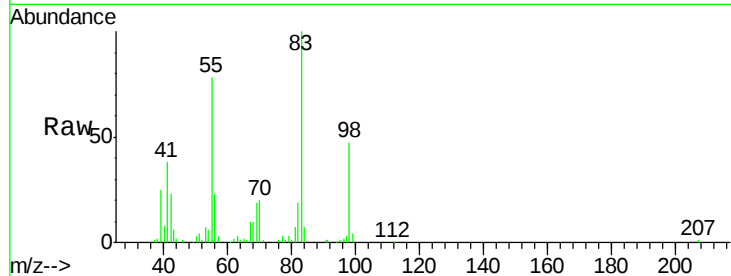
#39
Methvlcvclohexane
Concen: 18.505 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	83	Resp	98187
Ion Ratio	Lower	Upper	
83	100		
55	77.6	59.2	88.8
98	47.0	39.8	59.6

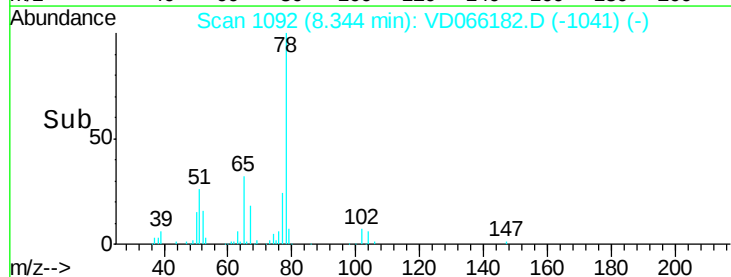
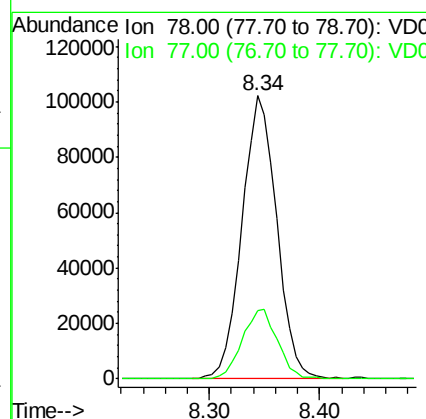
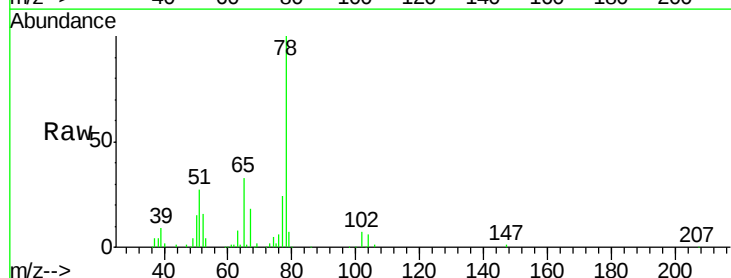
Manual Integrations
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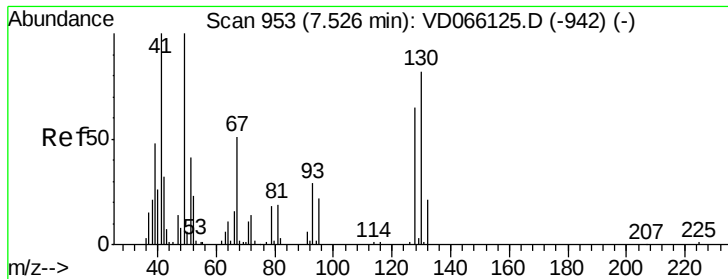
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#40
Benzene
Concen: 18.567 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	78	Resp	226076
Ion Ratio	Lower	Upper	
78	100		
77	24.2	18.6	27.8





#41

Methacrylonitrile

Concen: 17.841 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 41 Resp: 18243

Ion Ratio Lower Upper

41 100

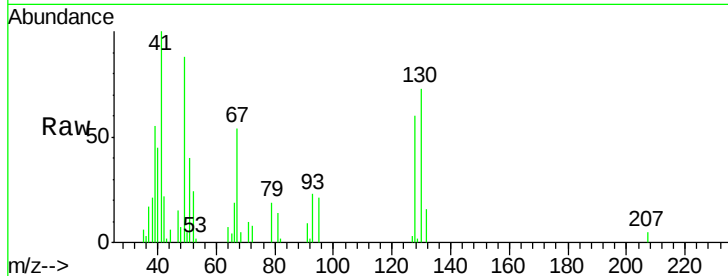
39 0.0 47.5 71.3#

67 74.5 59.1 88.7

52 32.1 25.4 38.0

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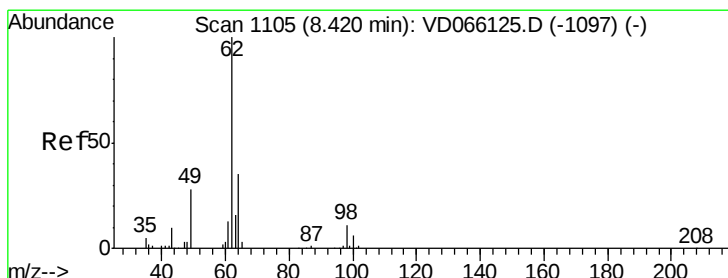
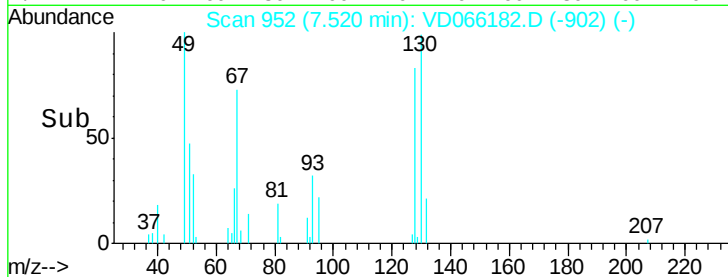
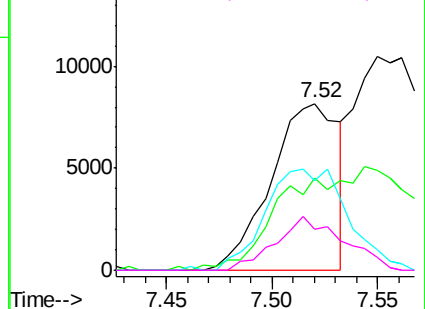


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.736 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066182.D

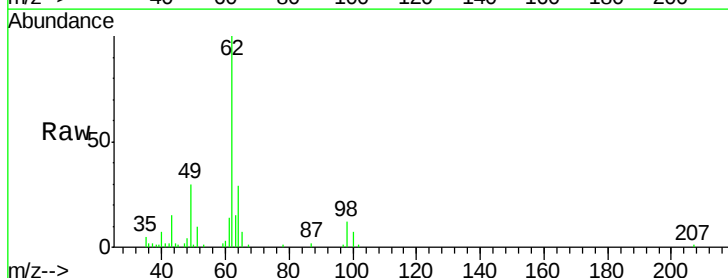
Acq: 11 Aug 2020 12:56

Tgt Ion: 62 Resp: 67019

Ion Ratio Lower Upper

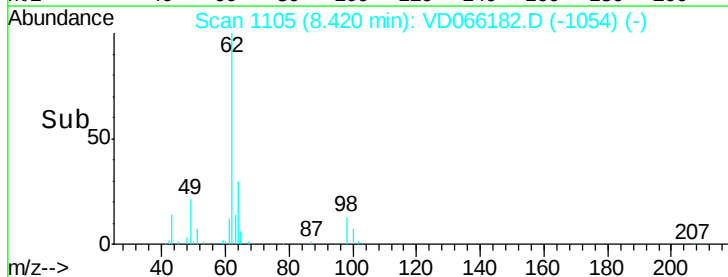
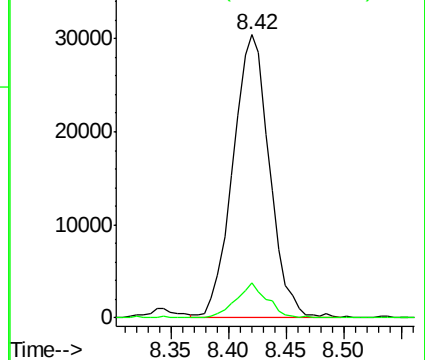
62 100

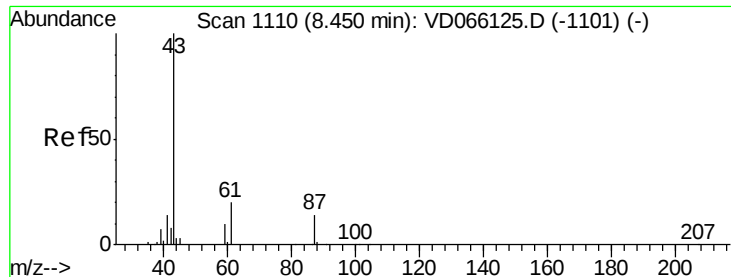
98 10.5 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





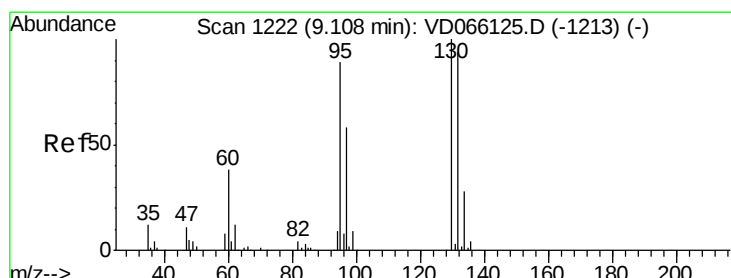
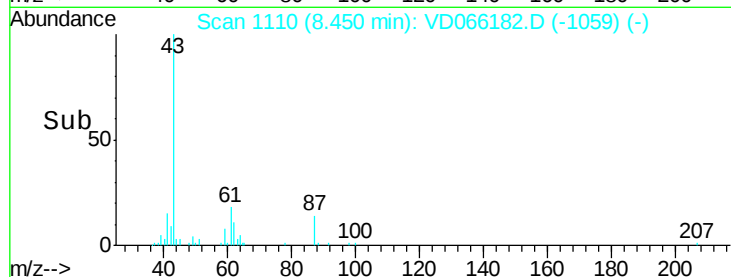
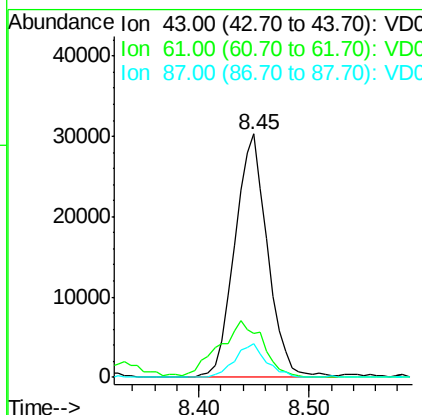
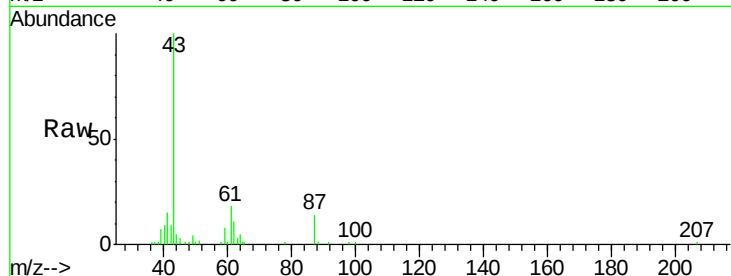
#43
Isopropyl Acetate
Concen: 18.476 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.5	38.3
87	13.2	11.2	16.8

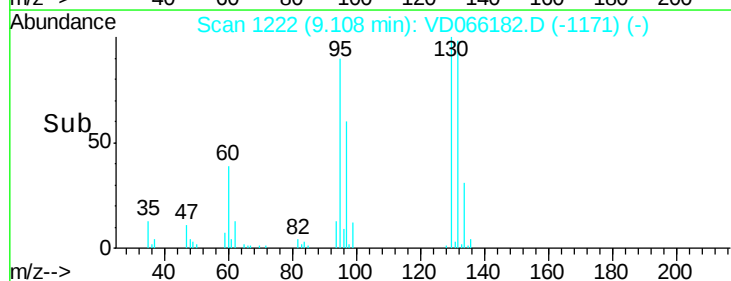
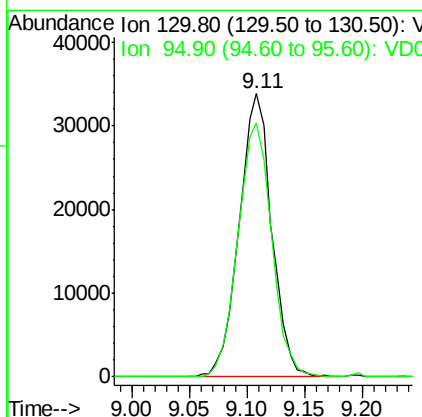
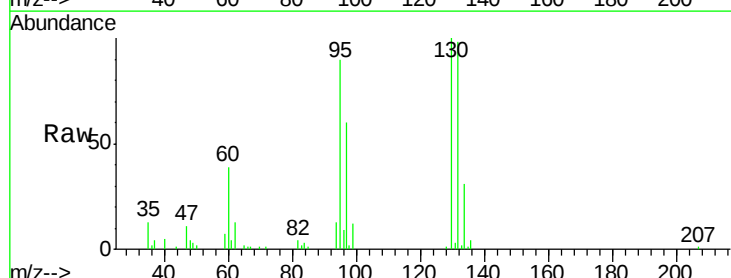
Manual Integrations
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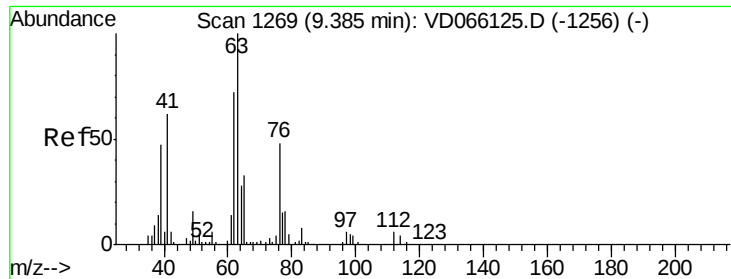
MMDadoda
8/12/2020 3:57:44 PM



#44
Trichloroethene
Concen: 18.052 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	178.4





#45

1,2-Dichloropropane

Concen: 18.815 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 63 Resp: 56029

Ion Ratio Lower Upper

63 100

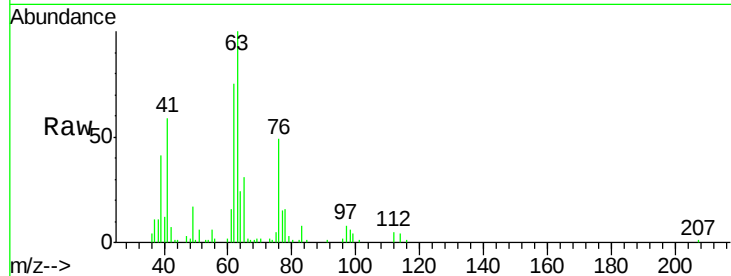
65 31.0 26.5 39.7

Manual Integrations

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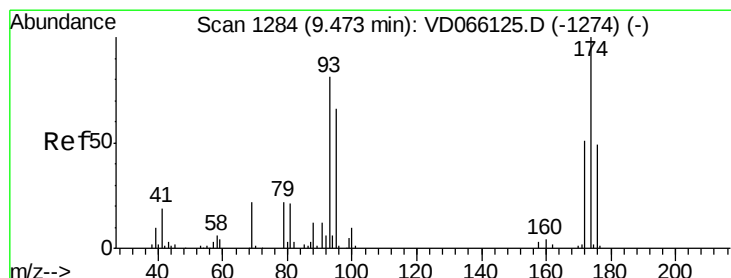
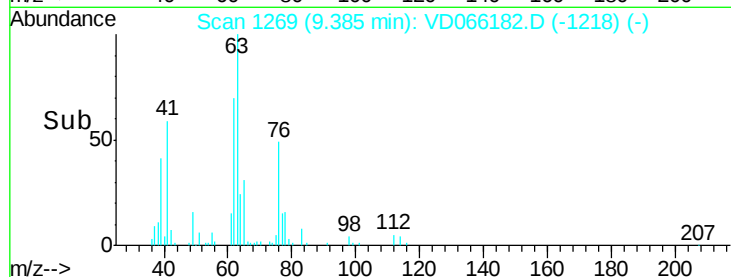


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

Time-->



#46

Dibromomethane

Concen: 19.200 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

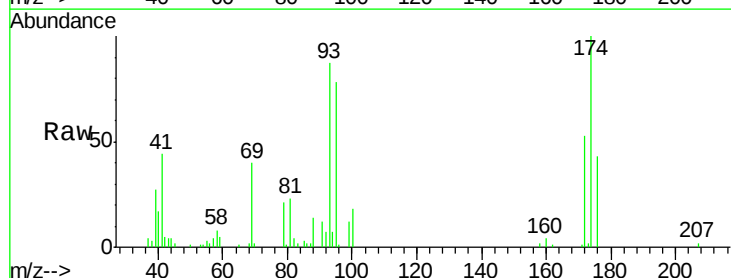
Tgt Ion: 93 Resp: 31495

Ion Ratio Lower Upper

93 100

95 85.0 65.8 98.6

174 112.6 92.8 139.2



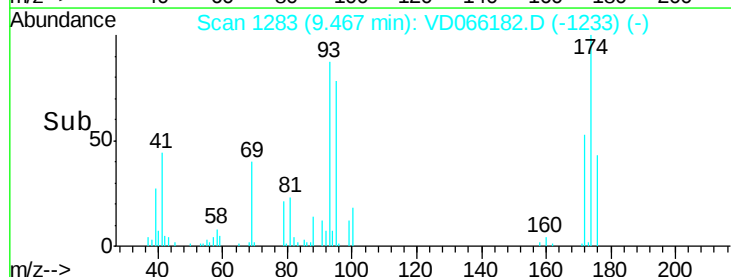
Abundance Ion 92.80 (92.50 to 93.50): VDC

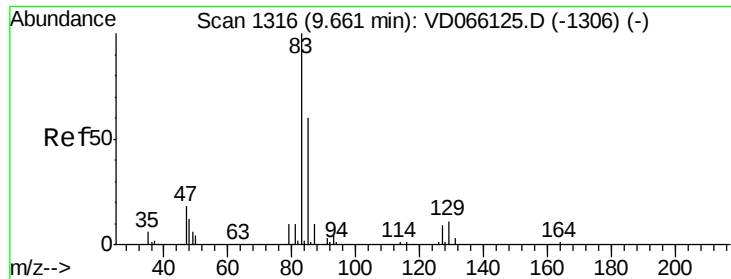
Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.47

Time-->





#47

Bromodichloromethane

Concen: 18.540 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

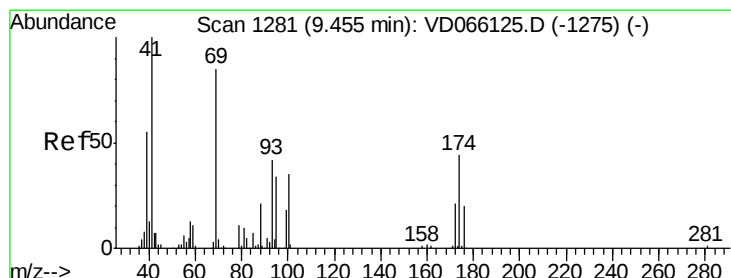
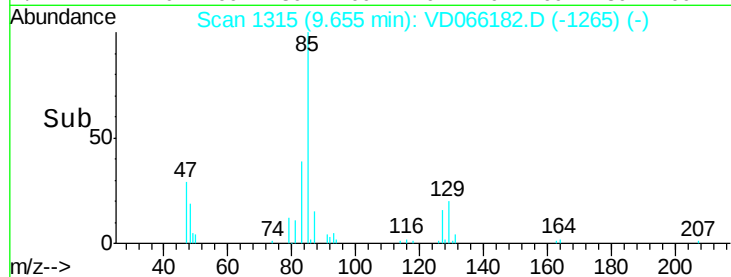
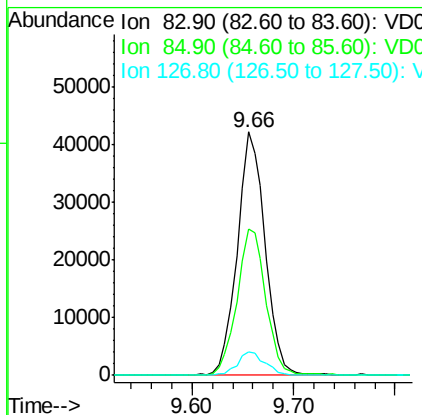
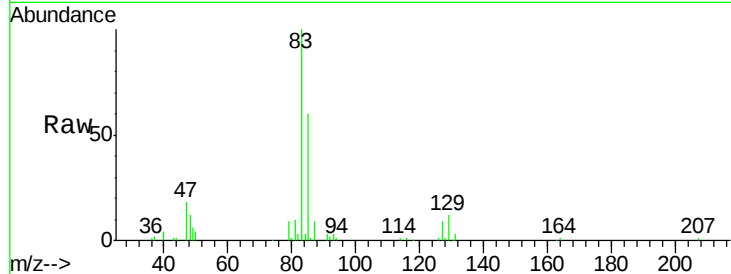
ClientSampleId :

VD0811SBSD01

Tot Ion:	83	Resp:	80380
Ion	Ratio	Lower	Upper
83	100		
85	60.4	48.2	72.4
127	9.4	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.669 ug/l

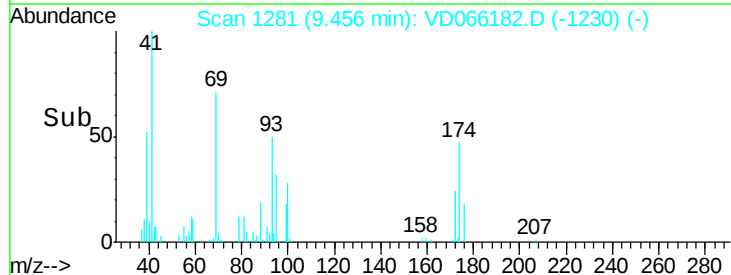
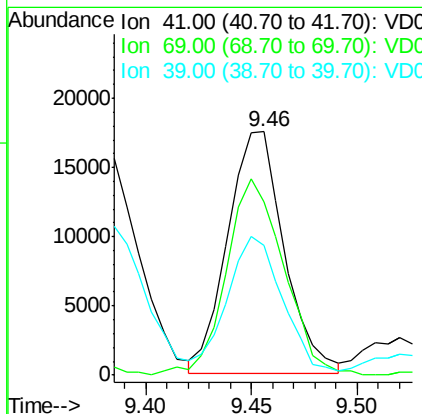
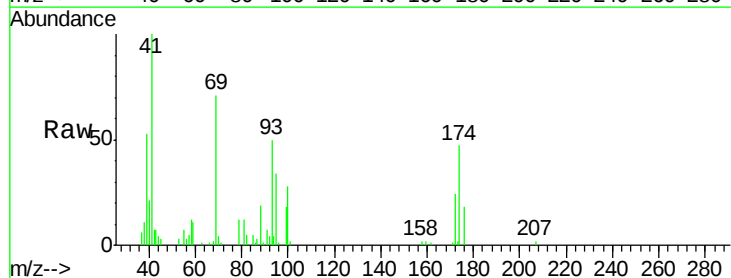
RT: 9.46 min Scan# 1281

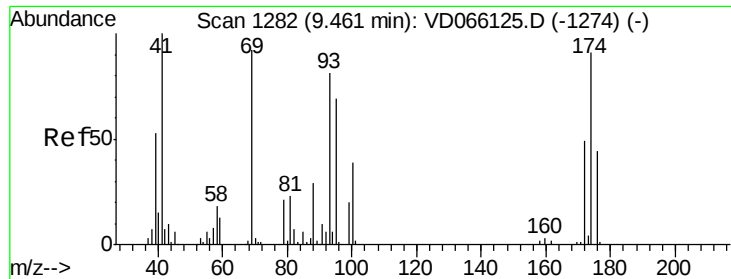
Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Tgt Ion:	41	Resp:	32664
Ion	Ratio	Lower	Upper
41	100		
69	82.1	63.9	95.9
39	52.4	42.6	64.0





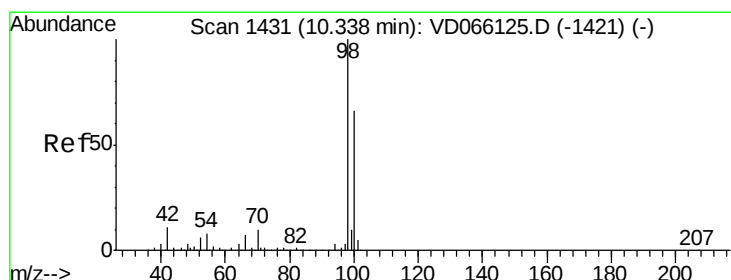
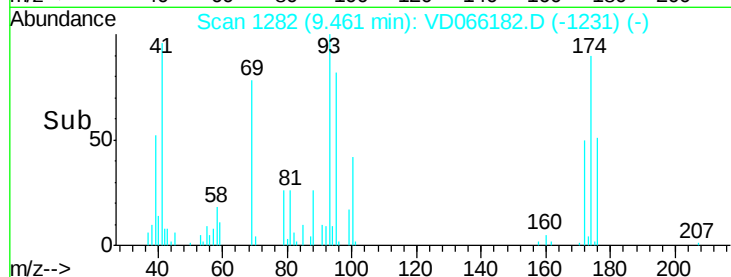
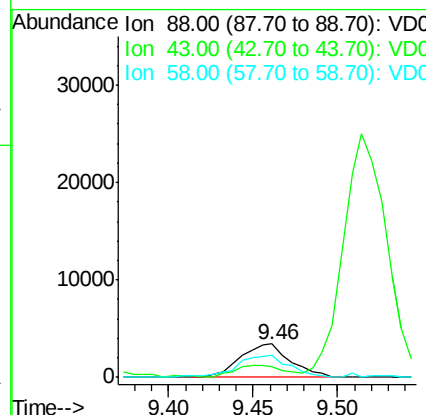
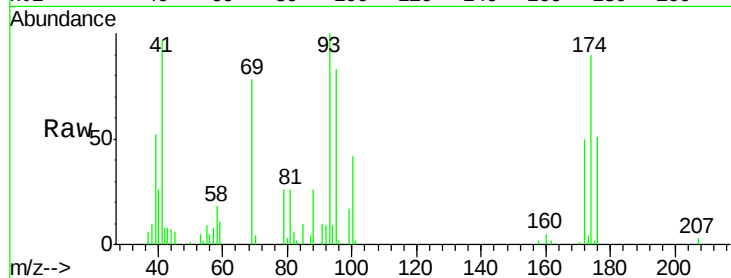
#49
1,4-Dioxane
Concen: 332.301 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	27.5	41.3
58	72.2	50.2	75.4

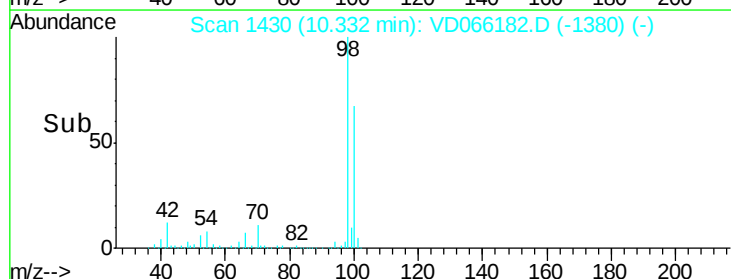
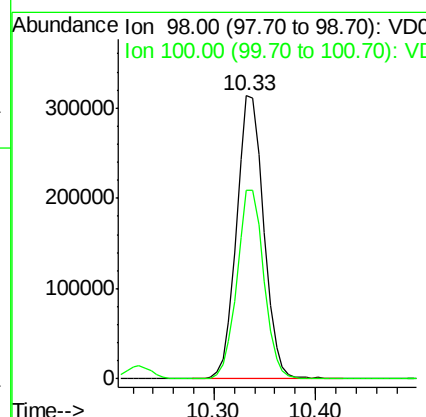
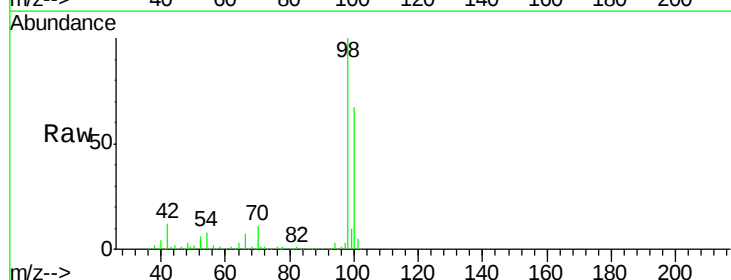
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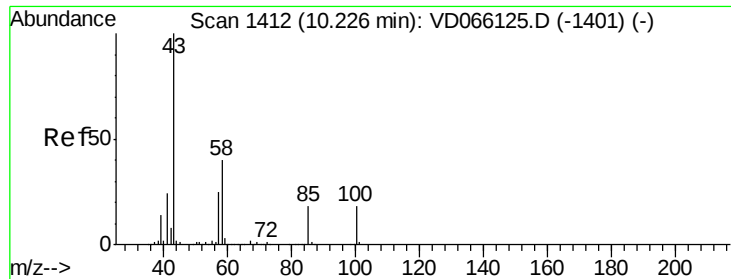
MMDadoda
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#50
Toluene-d8
Concen: 53.665 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 89.770 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 43 Resp: 158000

Ion Ratio Lower Upper

43 100

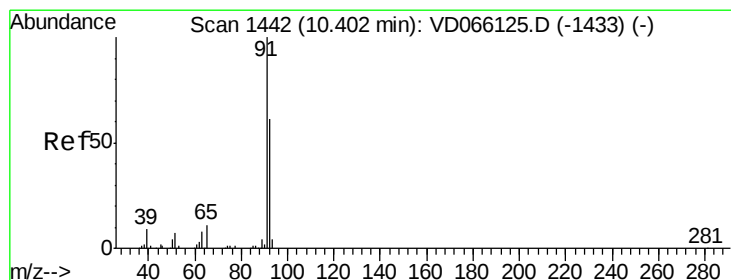
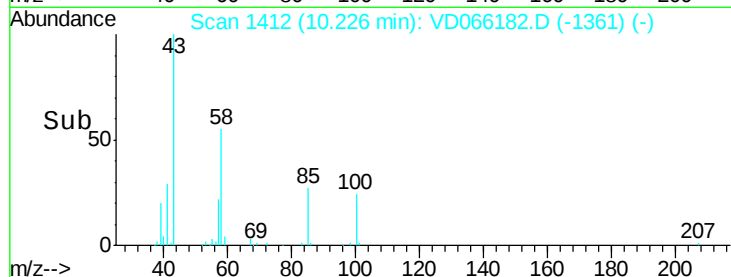
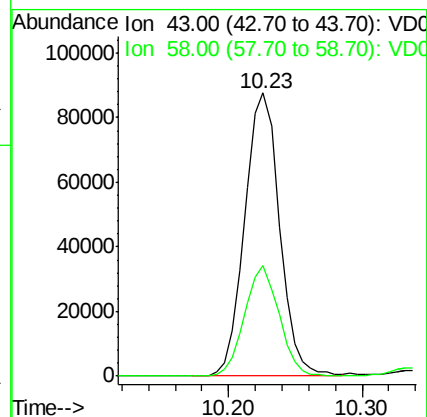
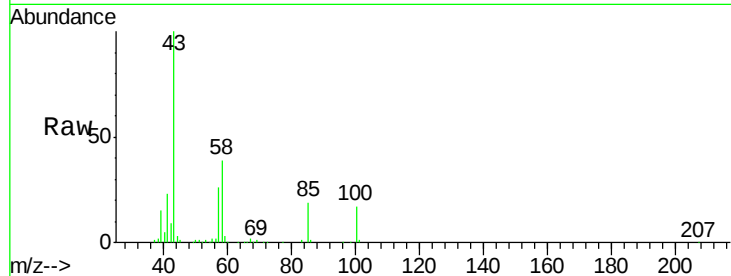
58 38.5 31.1 46.7

Manual Integrations

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#52

Toluene

Concen: 18.887 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066182.D

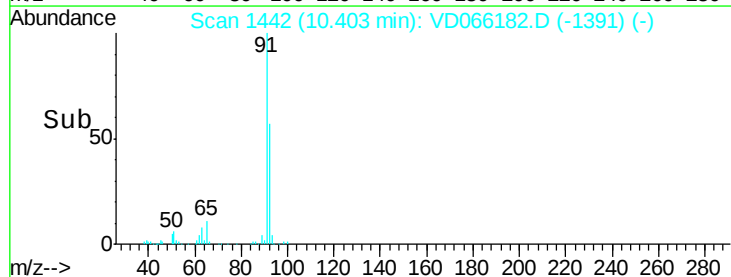
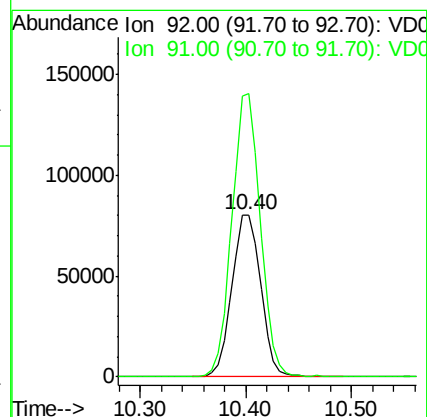
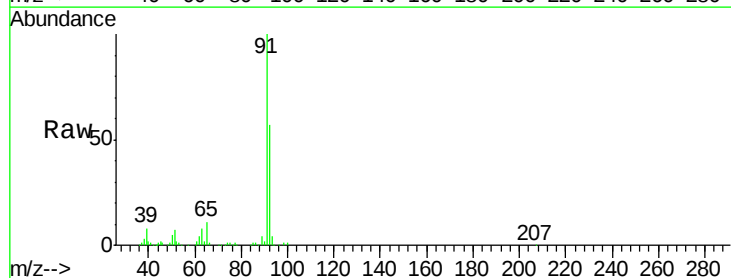
Acq: 11 Aug 2020 12:56

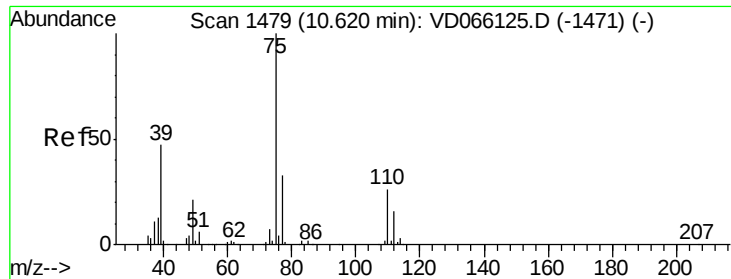
Tgt Ion: 92 Resp: 151324

Ion Ratio Lower Upper

92 100

91 172.1 135.2 202.8





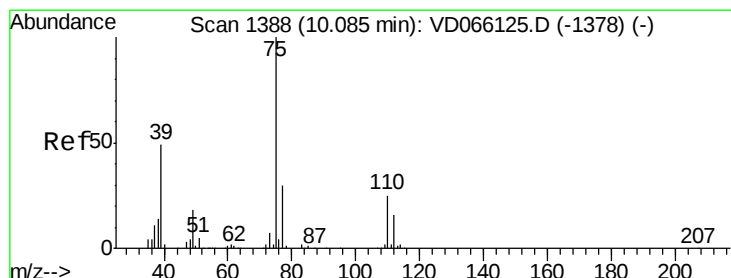
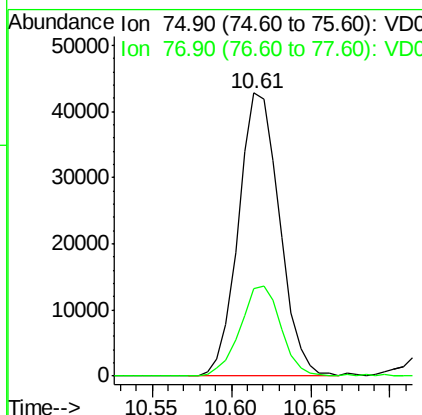
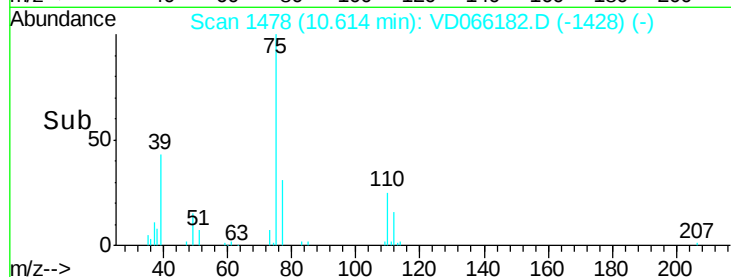
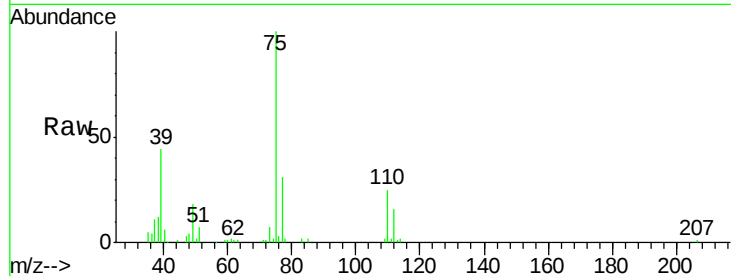
#53
 t-1,3-Dichloropropene
 Concen: 18.727 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion: 75 Resp: 77049
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.2

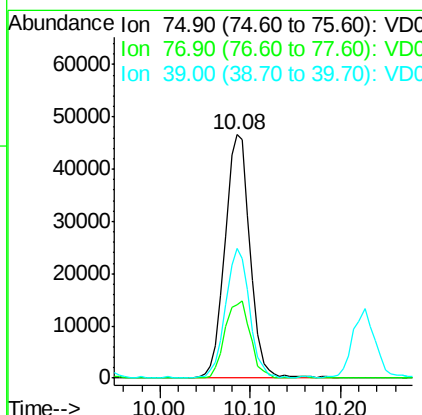
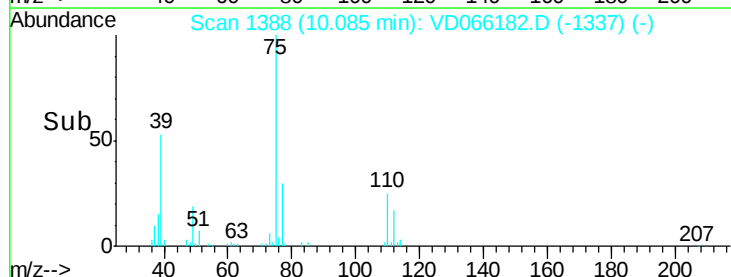
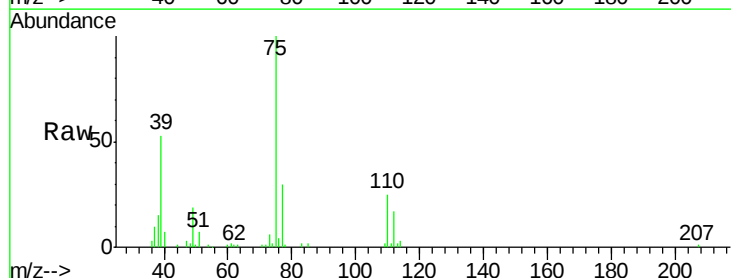
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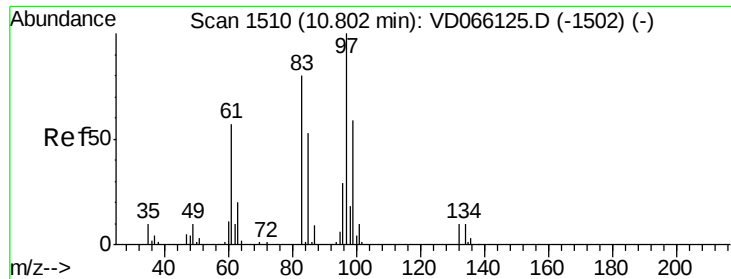
MMDadoda
 8/12/2020 3:57:44 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.582 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Tgt Ion: 75 Resp: 89572
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.3 36.5
 39 53.1 39.3 58.9





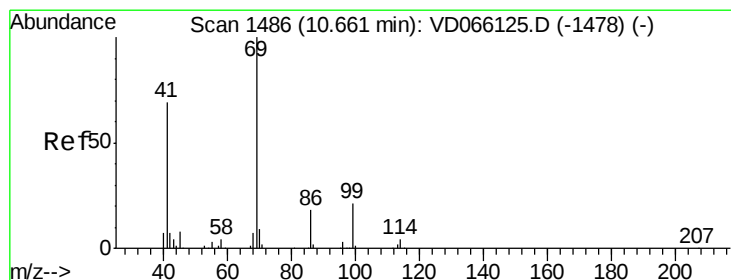
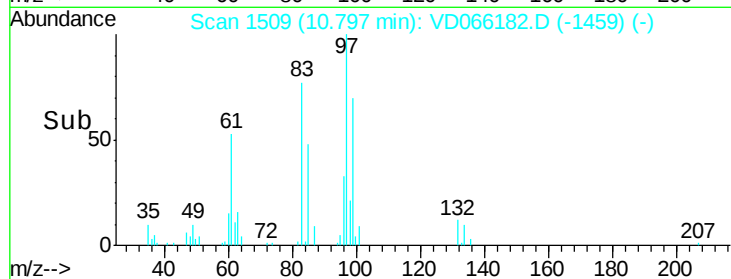
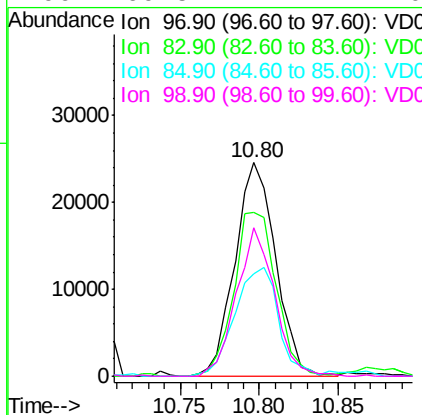
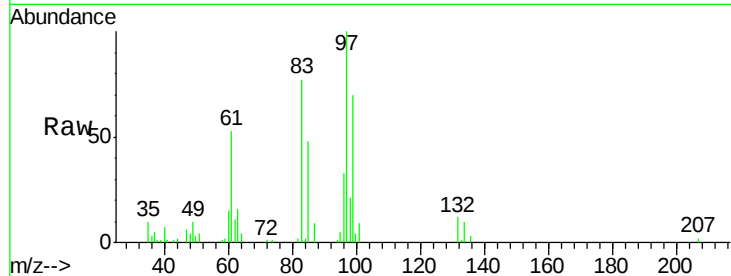
#55
 1,1,2-Trichloroethane
 Concen: 18.613 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion:	97	Resp:	43964
Ion	Ratio	Lower	Upper
97	100		
83	76.9	63.9	95.9
85	48.0	42.5	63.7
99	69.5	47.4	71.0

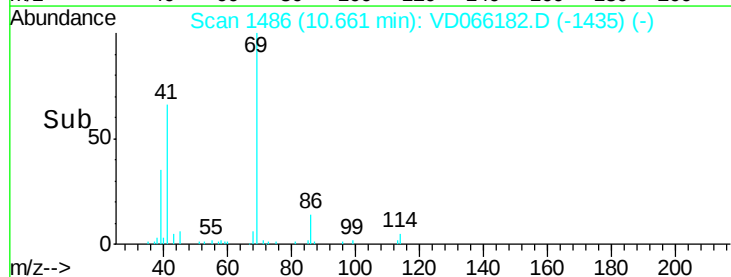
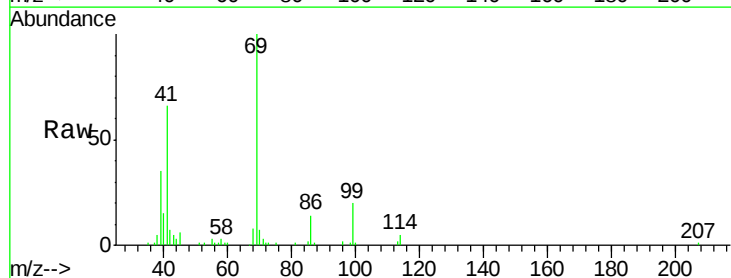
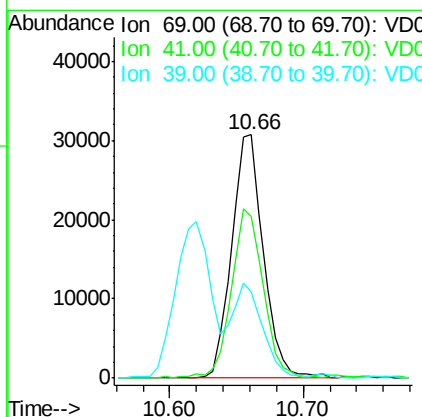
Manual Integrations
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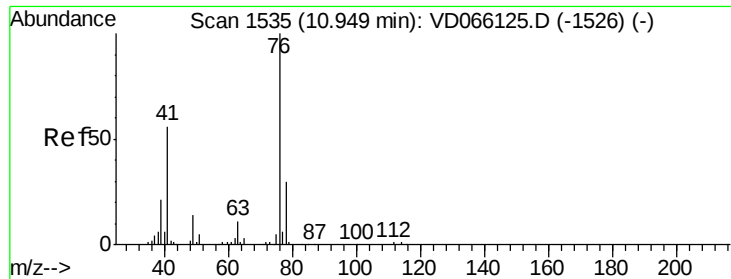
MMDadoda
 8/12/2020 3:57:44 PM



#56
 Ethyl methacrylate
 Concen: 17.957 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Tgt Ion:	69	Resp:	50953
Ion	Ratio	Lower	Upper
69	100		
41	69.2	54.1	81.1
39	37.0	28.6	43.0





#57

1,3-Dichloropropane

Concen: 18.405 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 76 Resp: 72173

Ion Ratio Lower Upper

76 100

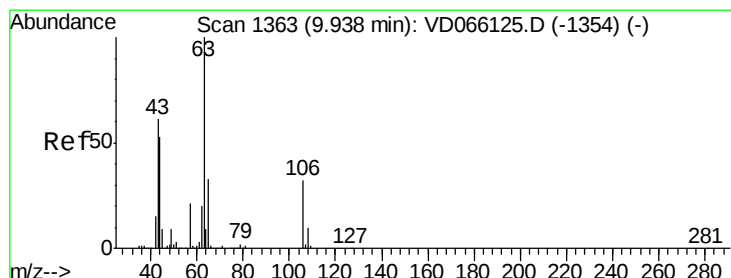
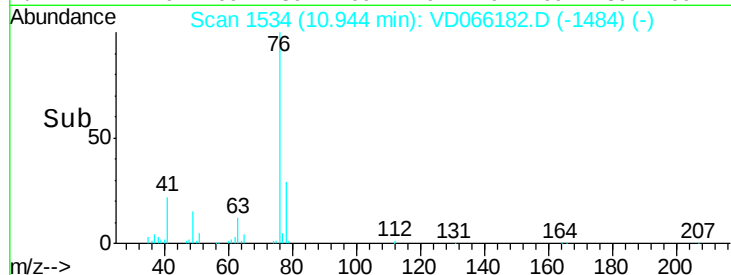
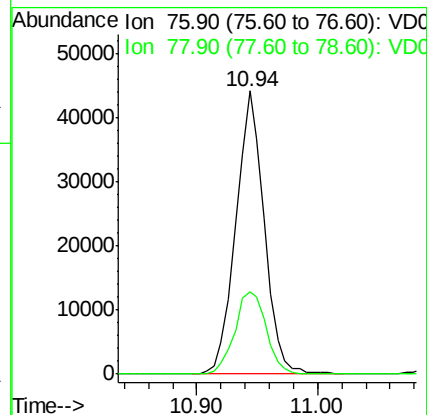
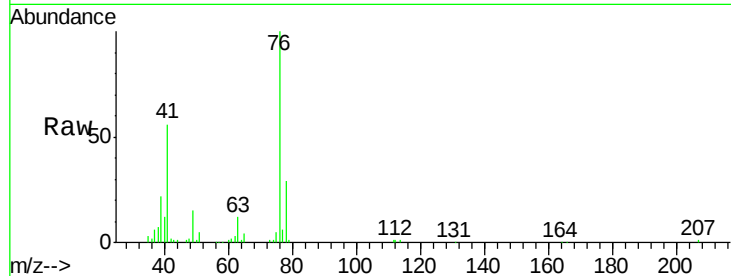
78 32.3 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 104.787 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066182.D

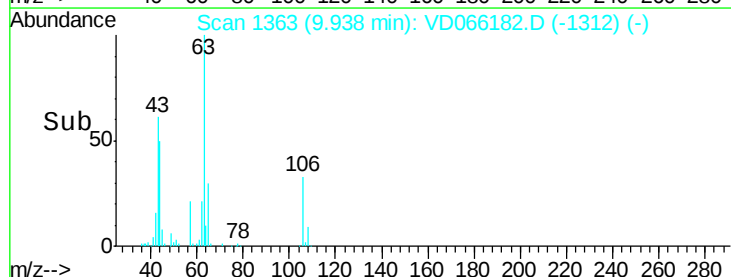
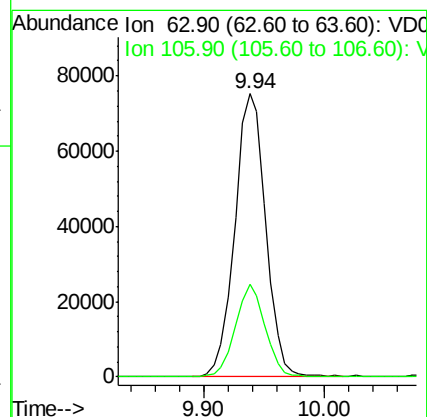
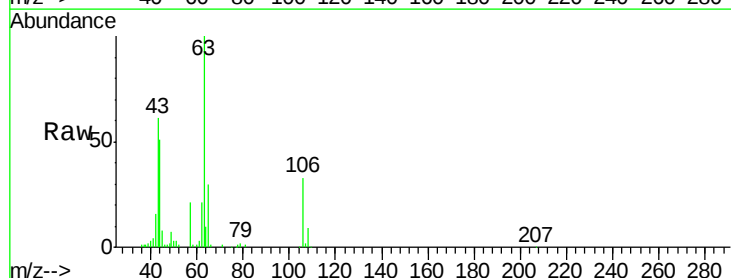
Acq: 11 Aug 2020 12:56

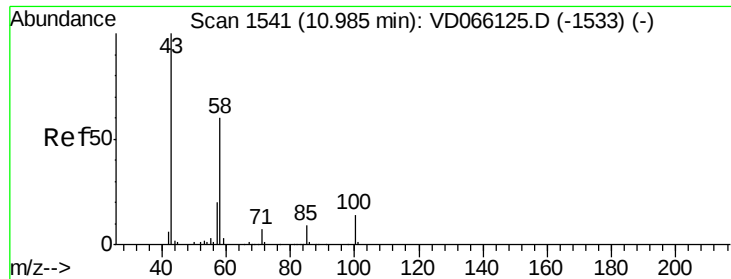
Tgt Ion: 63 Resp: 133743

Ion Ratio Lower Upper

63 100

106 31.3 25.3 37.9





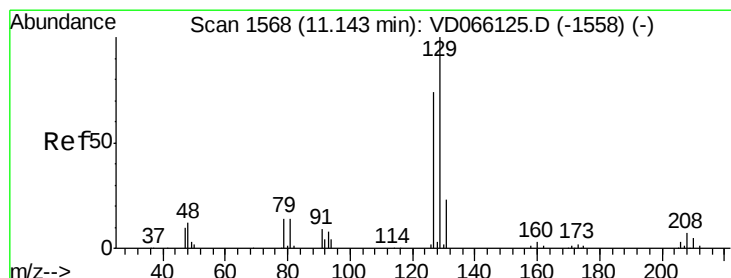
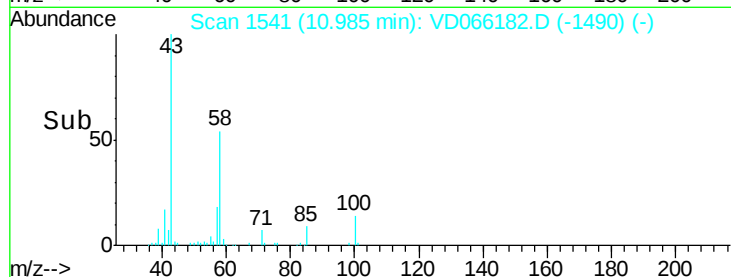
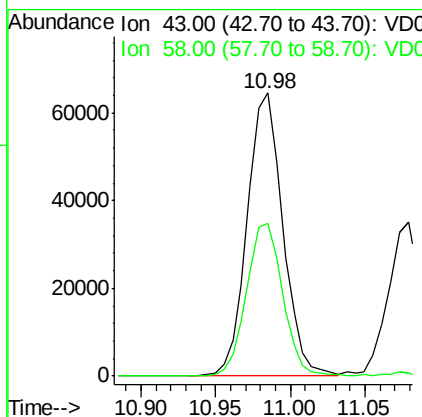
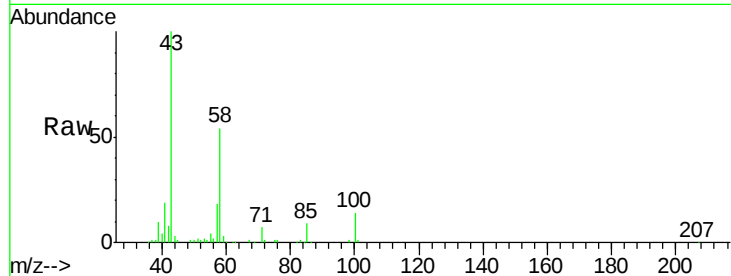
#59
2-Hexanone
Concen: 86.287 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBSD01

Tot Ion: 43 Resp: 106585
Ion Ratio Lower Upper
43 100
58 54.9 27.8 83.4

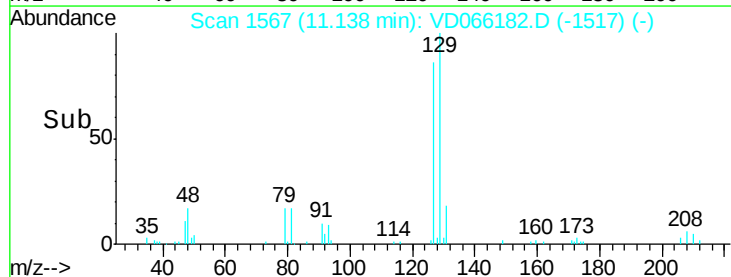
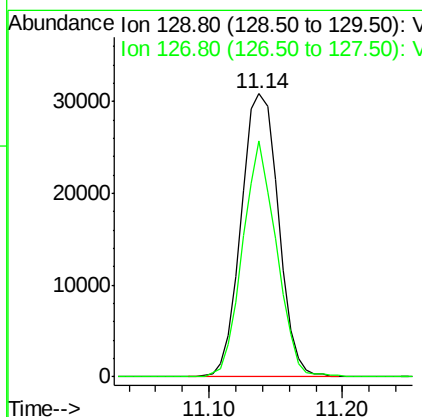
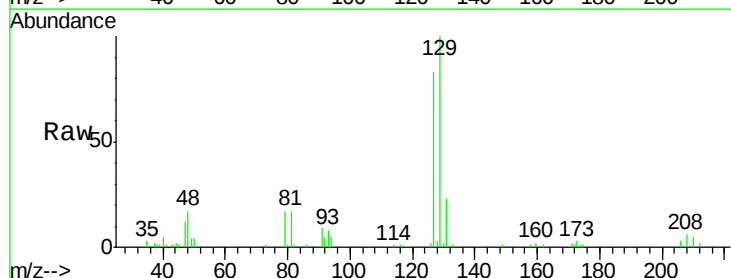
Manual Integrations
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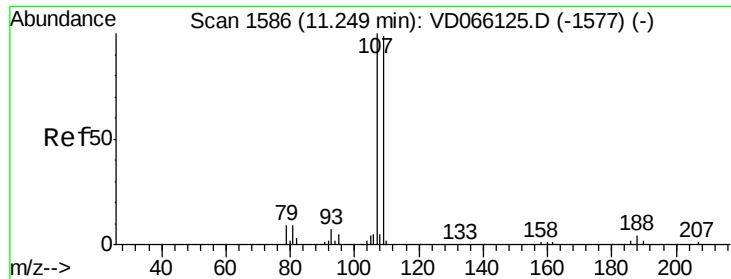
MMDadoda
8/12/2020 3:57:44 PM



#60
Dibromochloromethane
Concen: 18.286 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion:129 Resp: 59630
Ion Ratio Lower Upper
129 100
127 75.2 38.0 114.1





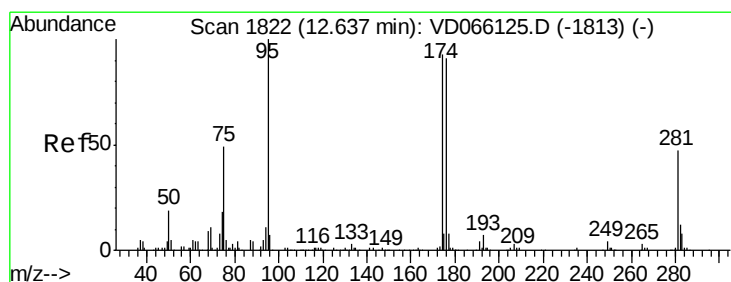
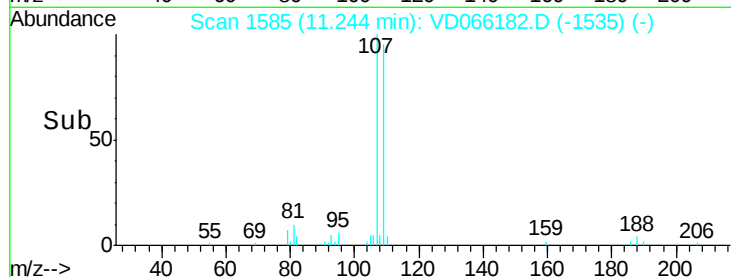
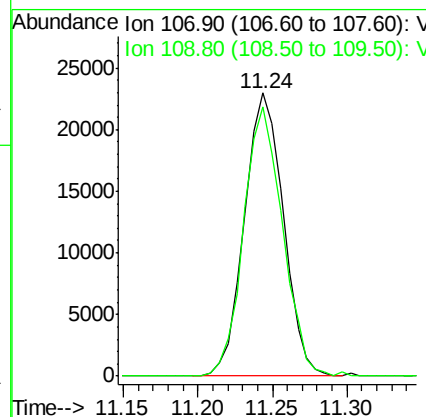
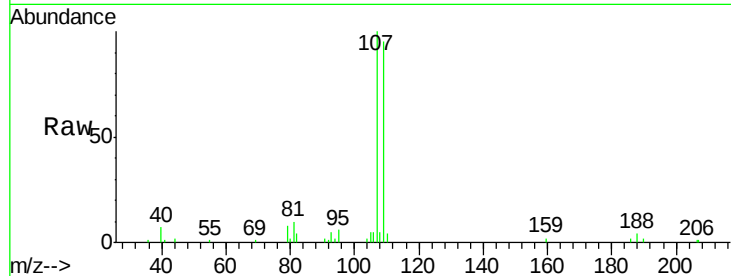
#61
 1,2-Dibromoethane
 Concen: 18.301 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBSD01

Tot Ion: 107 Resp: 41573
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.5 114.7

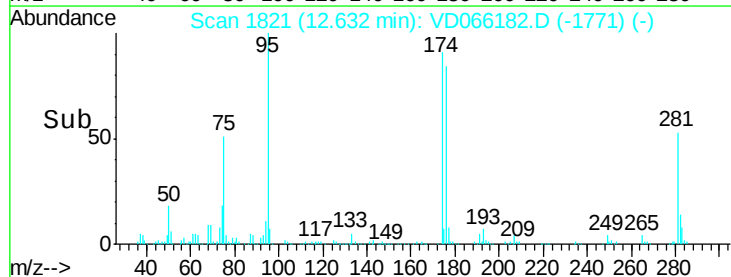
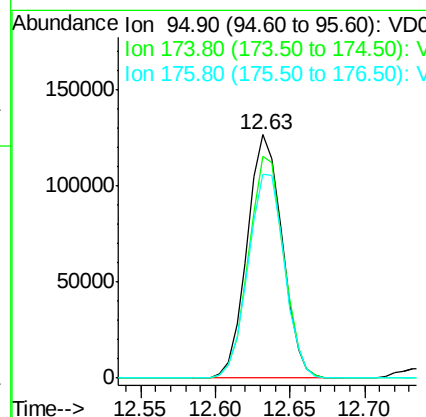
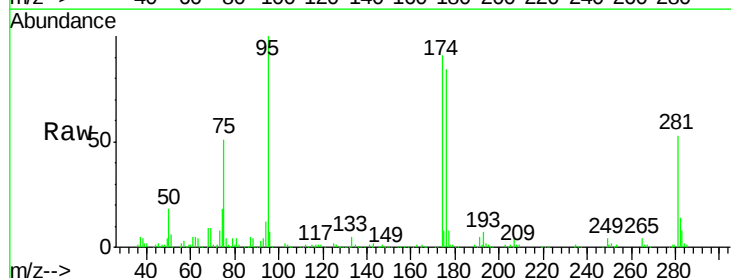
Manual Integrations
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MMDadoda
 8/12/2020 3:57:44 PM



#62
 4-Bromofluorobenzene
 Concen: 52.134 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Tgt Ion: 95 Resp: 205201
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 180.8
 176 86.8 0.0 181.2





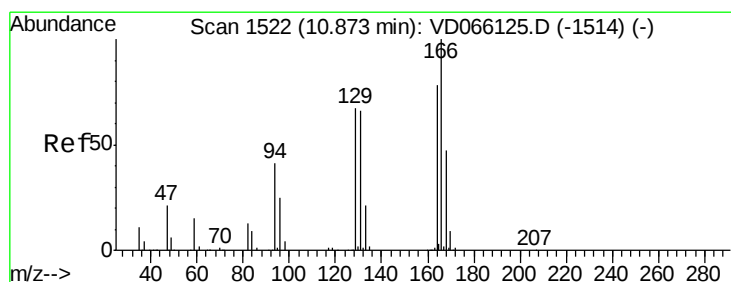
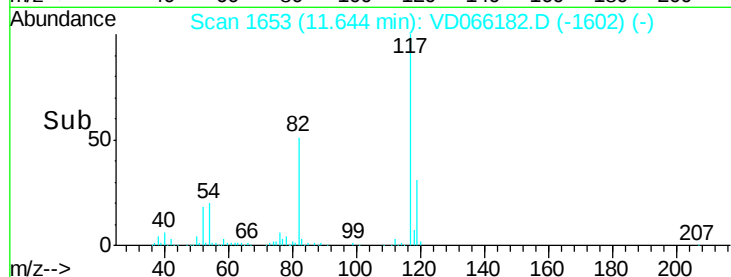
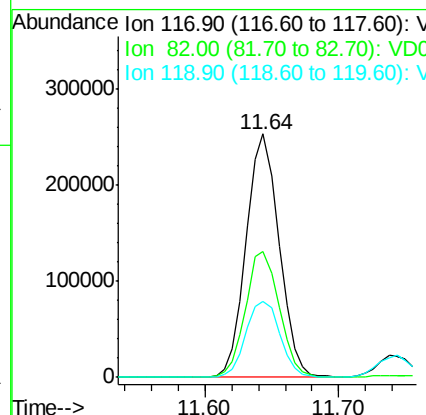
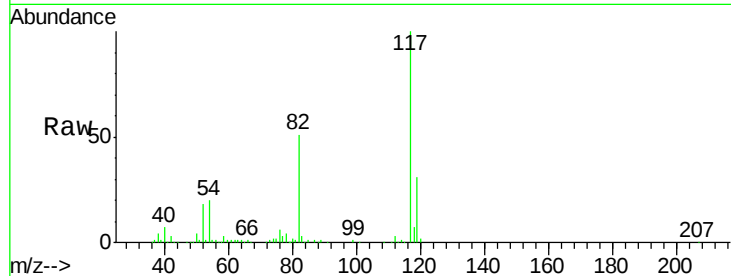
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	433781		
82	51.5		43.0	64.4
119	31.1		26.1	39.1

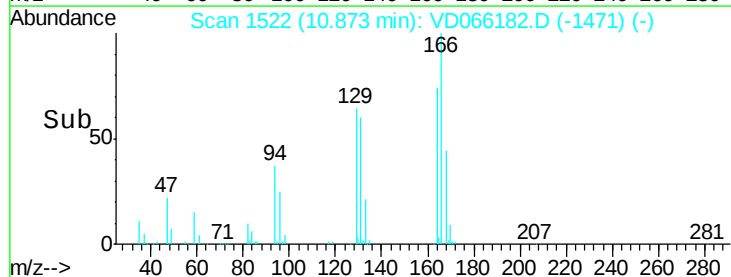
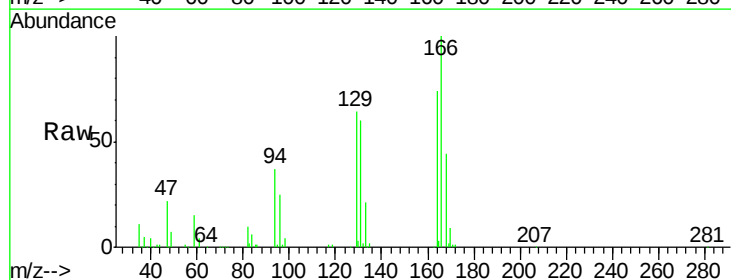
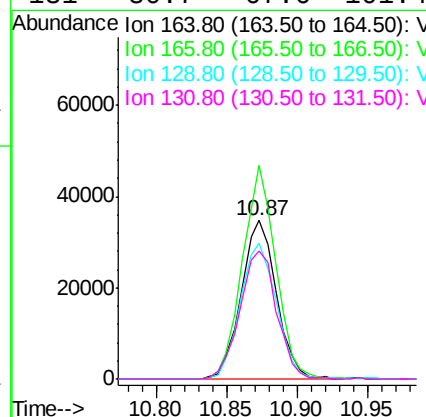
Manual Integrations
APPROVED

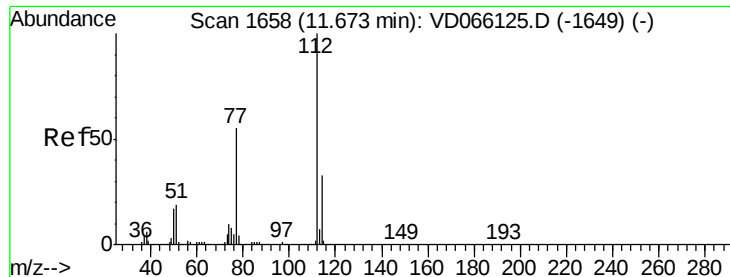
MMDadoda
8/12/2020 3:57:44 PM



#64
Tetrachloroethene
Concen: 18.190 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60590		
166	135.0		101.9	152.9
129	86.2		68.1	102.1
131	80.7		67.6	101.4





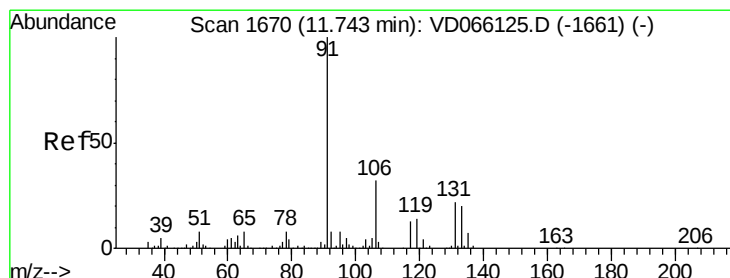
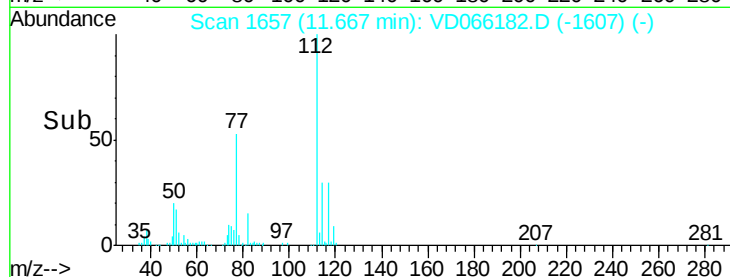
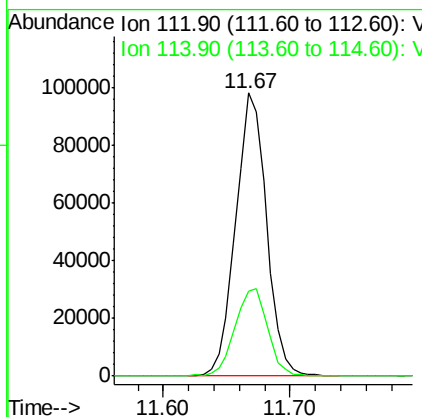
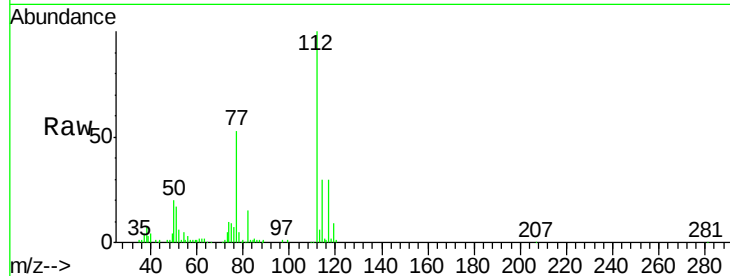
#65
Chlorobenzene
Concen: 18.821 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.1	26.1	39.1

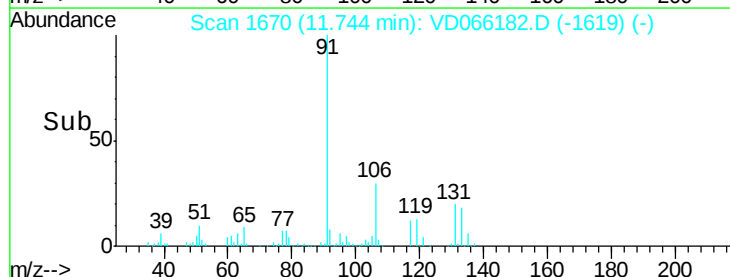
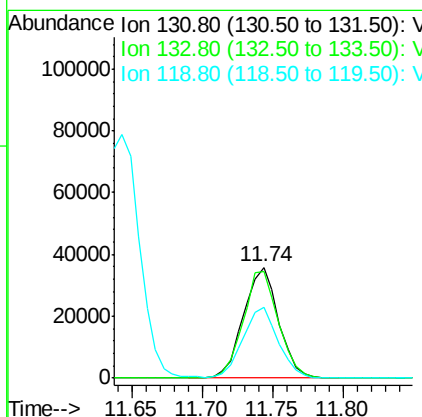
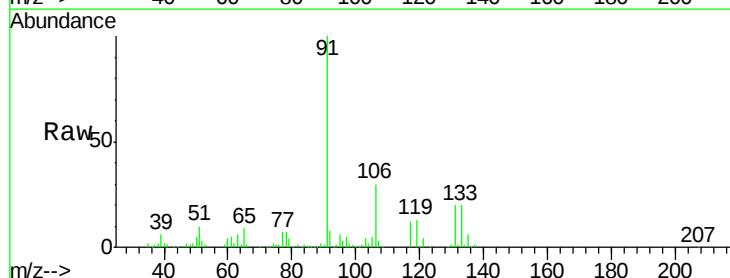
Manual Integrations
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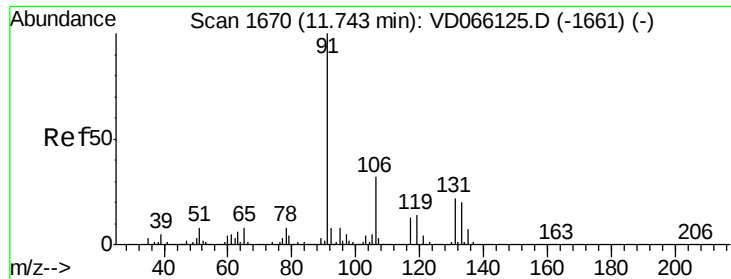
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.154 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.1	141.4
119	64.0	31.6	94.7





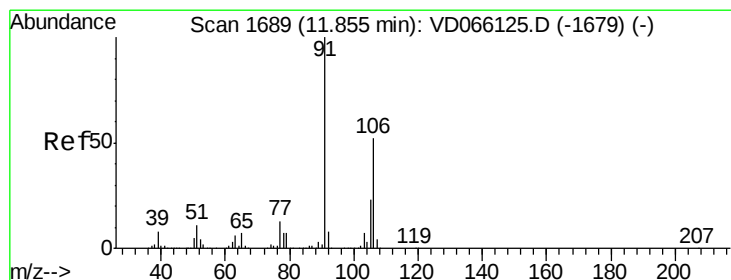
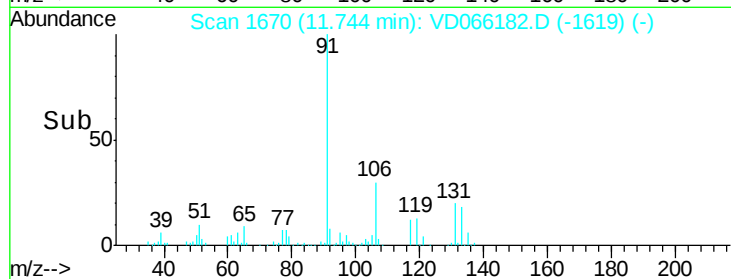
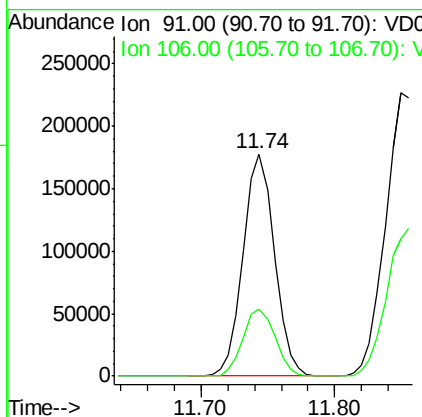
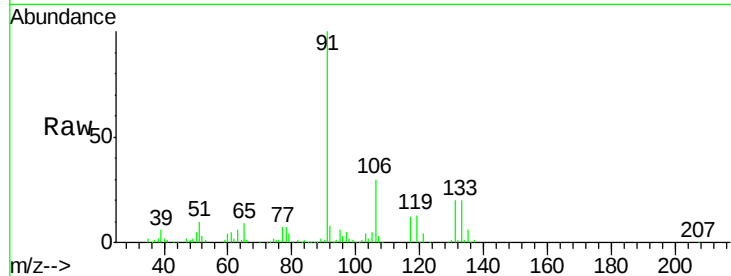
#67
Ethyl Benzene
Concen: 18.939 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.7	38.5

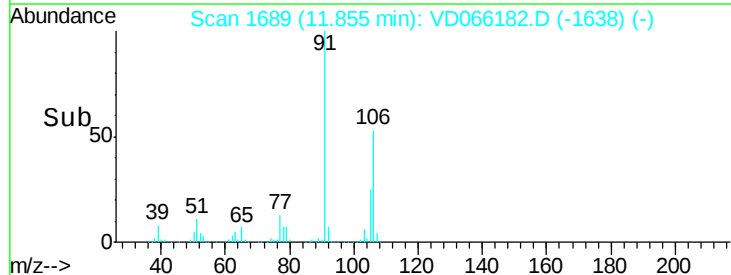
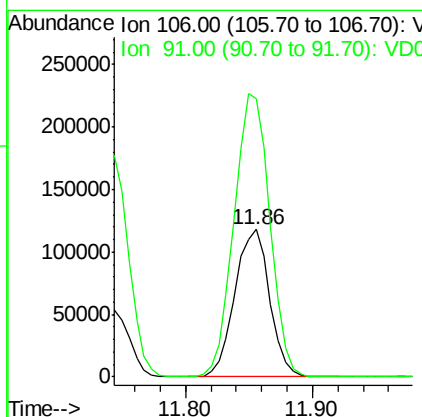
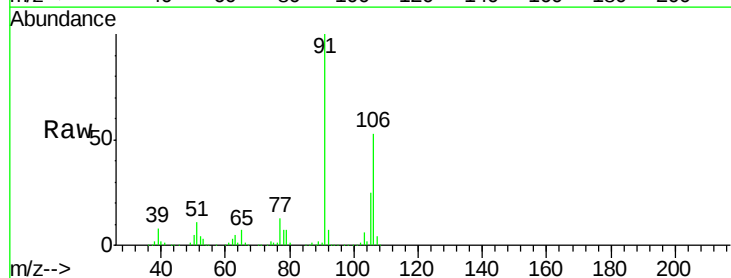
Manual Integrations
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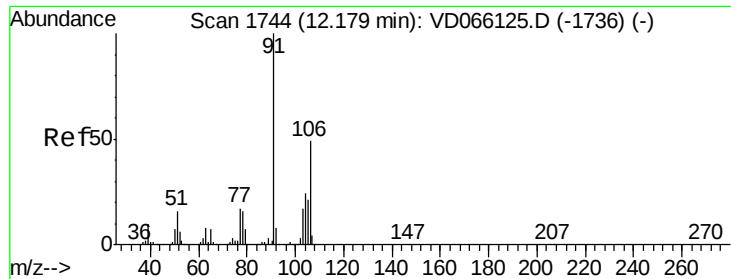
MMDadoda
8/12/2020 3:57:44 PM



#68
m/p-Xylenes
Concen: 37.947 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.4	156.6	235.0





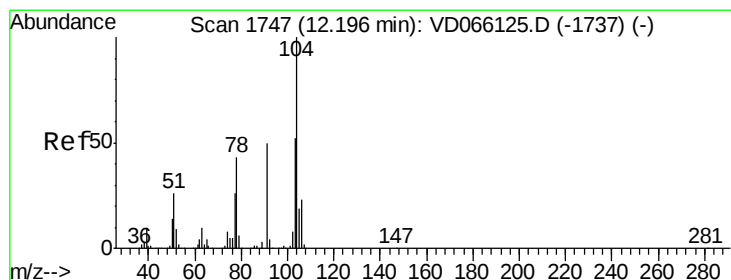
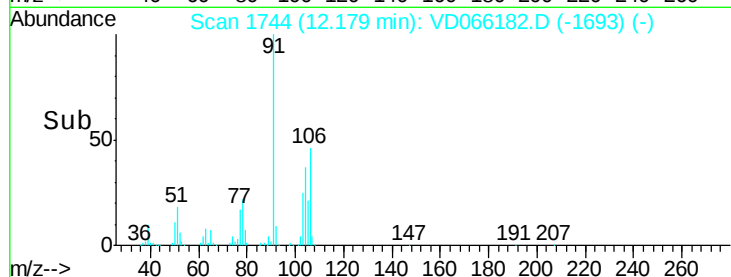
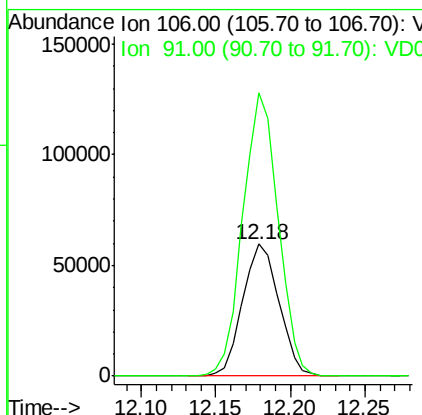
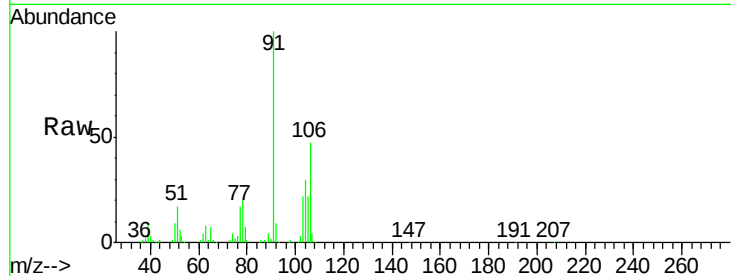
#69
o-Xylene
Concen: 18.767 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.5	105.7	317.1

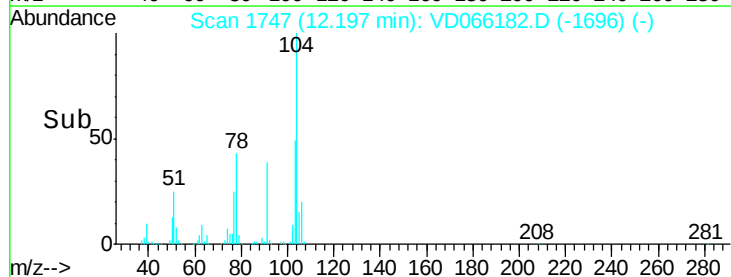
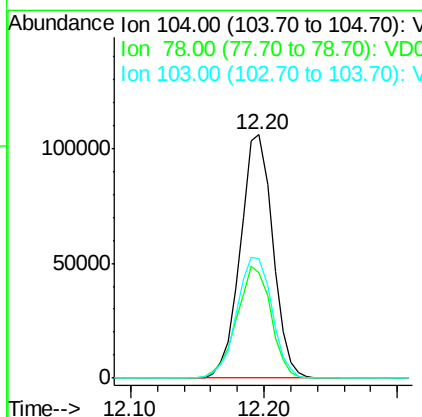
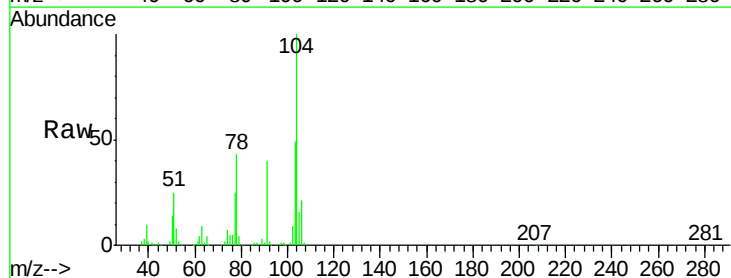
Manual Integrations
APPROVED

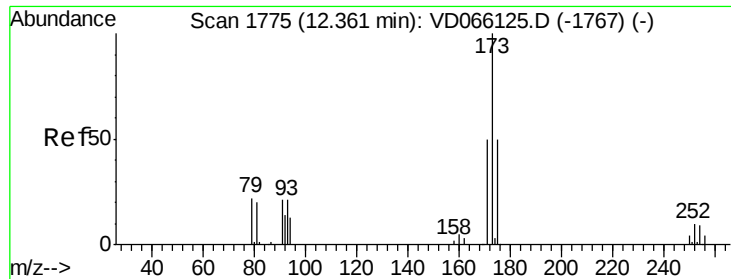
MMDadoda
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#70
Styrene
Concen: 18.878 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.6	58.0
103	54.0	44.1	66.1





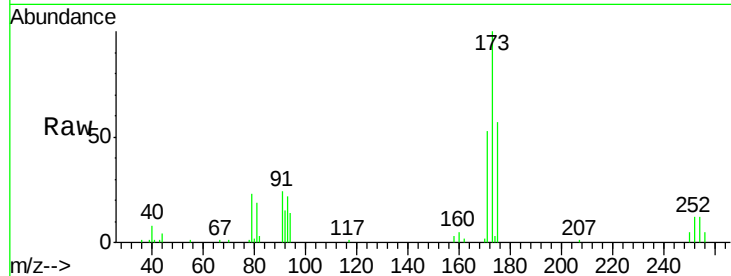
#71
Bromoform
Concen: 17.354 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.1	24.6	73.6
254	0.0	0.2	0.2

Manual Integrations
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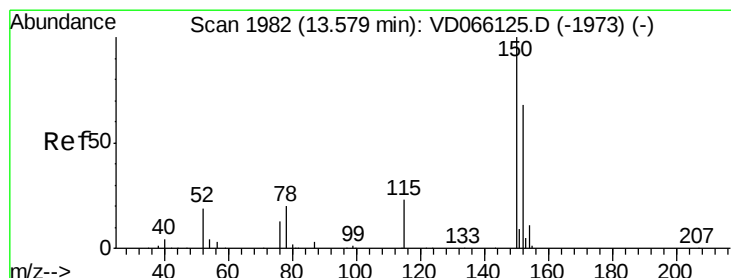
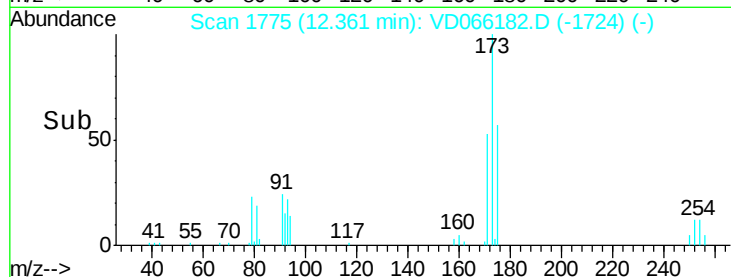
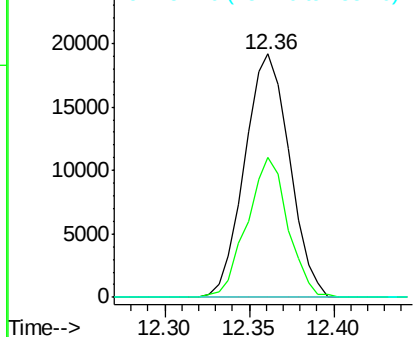


Abundance

Ion 172.70 (172.40 to 173.40): V

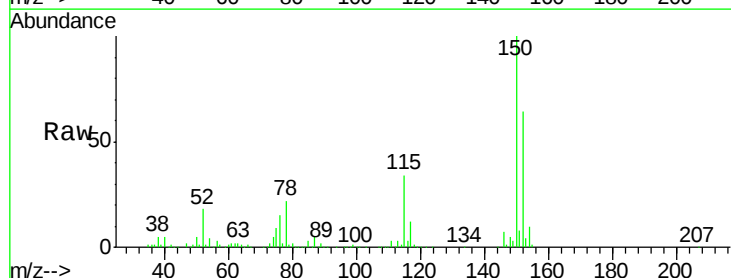
Ion 174.70 (174.40 to 175.40): V

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: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	28.0	83.9
150	161.8	0.0	346.4

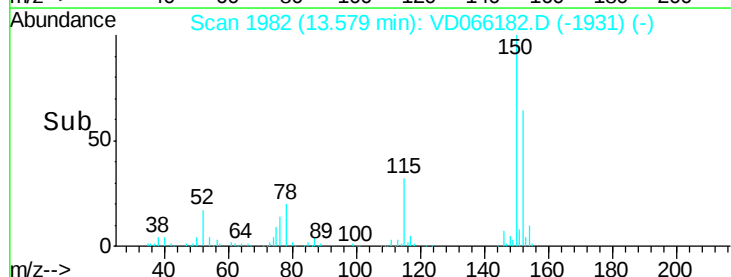
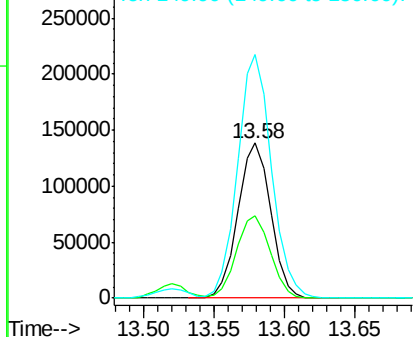


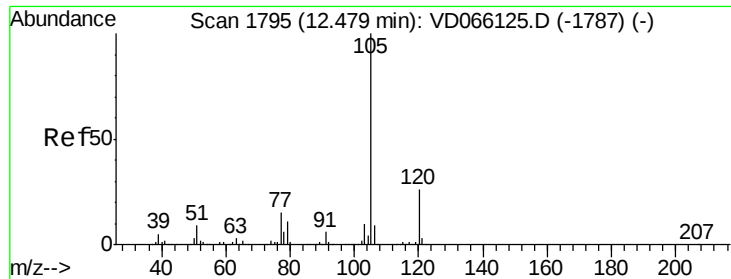
Abundance

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





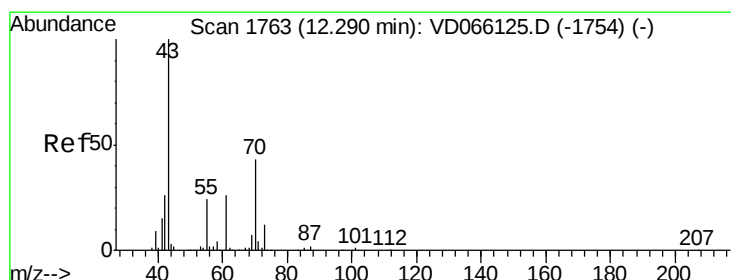
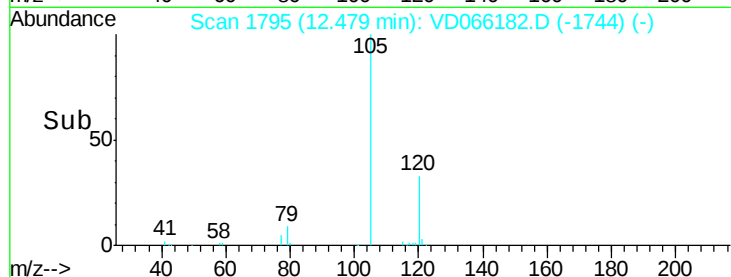
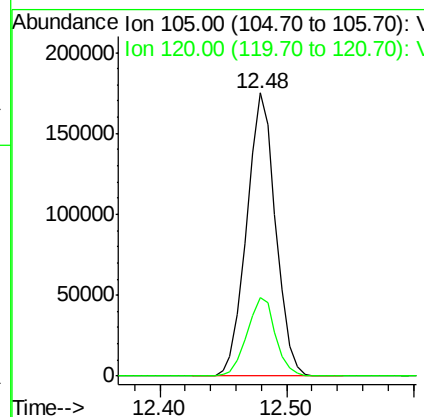
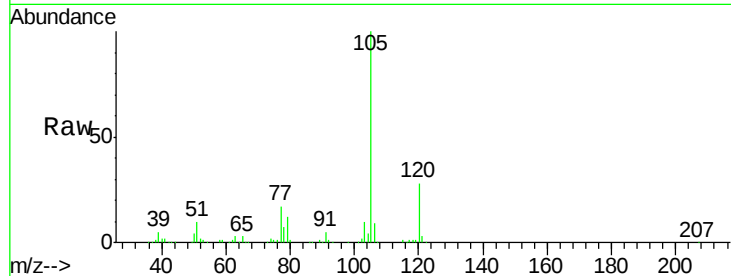
#73
Isopropylbenzene
Concen: 18.405 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	276786		
120	27.5	13.3	39.9	

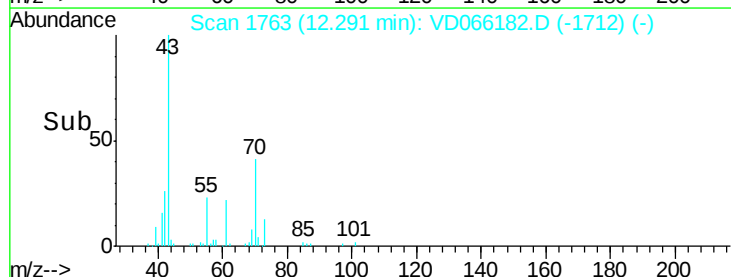
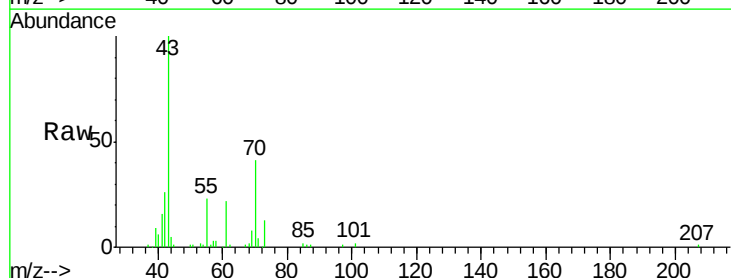
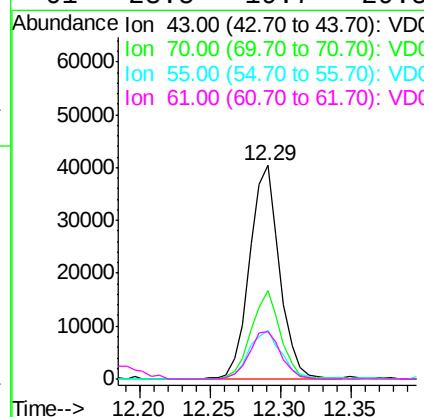
Manual Integrations
APPROVED

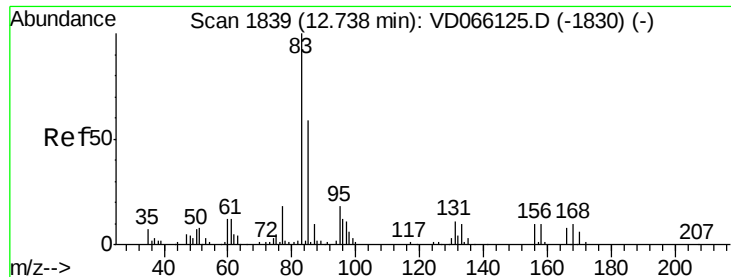
MMDadoda
8/12/2020 3:57:44 PM



#74
N-ethyl acetate
Concen: 18.134 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	60054		
70	40.6	34.9	52.3	
55	24.4	19.2	28.8	
61	23.5	19.7	29.5	





#75

1,1,2,2-Tetrachloroethane

Concen: 18.350 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

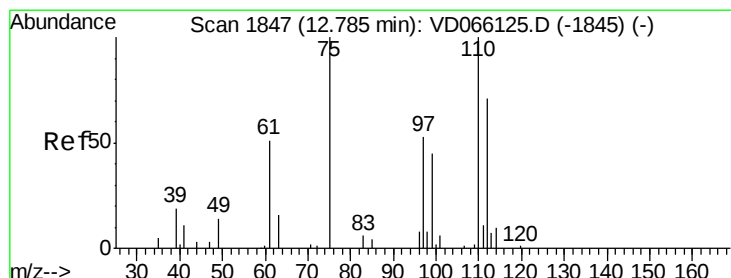
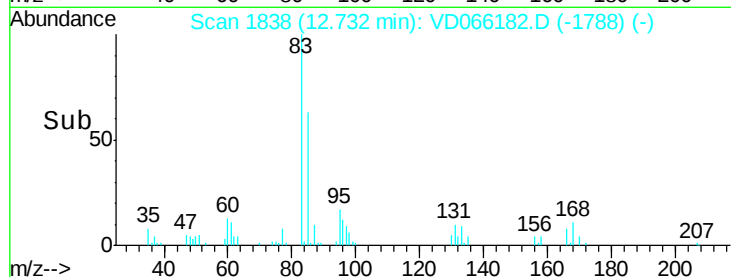
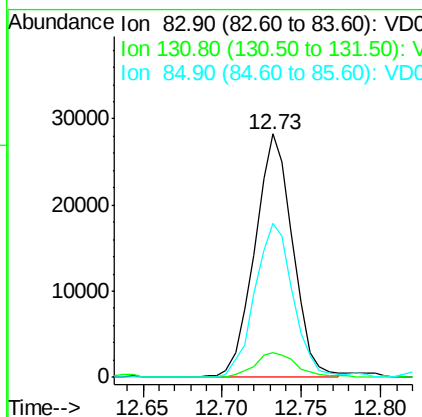
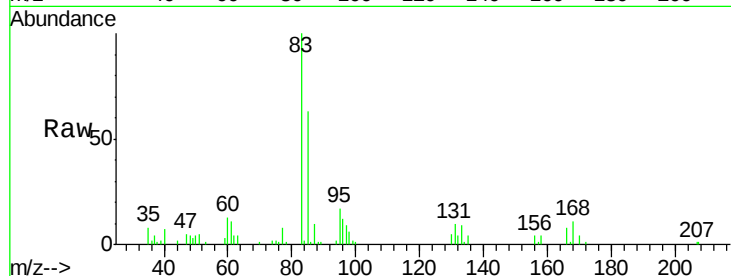
ClientSampleId :

VD0811SBS01

Tot Ion:	83	Resp:	47056
Ion Ratio	Lower	Upper	
83	100		
131	11.4	6.2	18.6
85	63.5	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 19.719 ug/l m

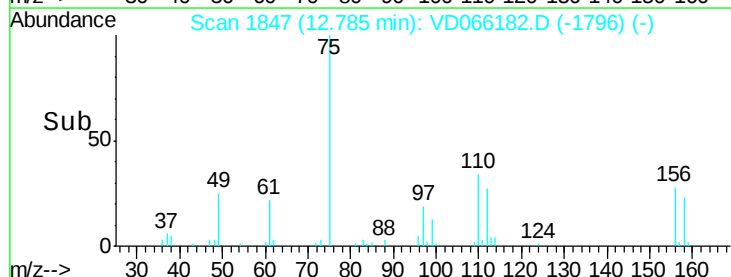
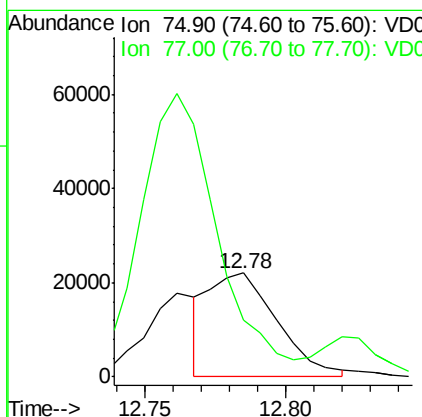
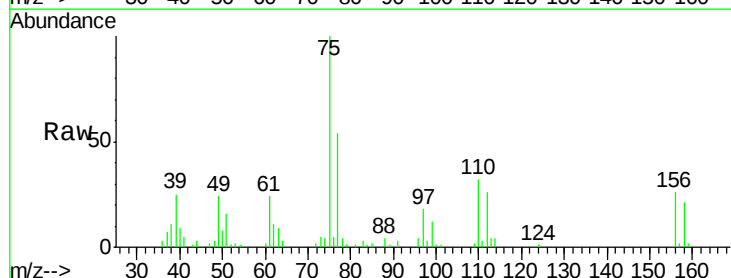
RT: 12.78 min Scan# 1847

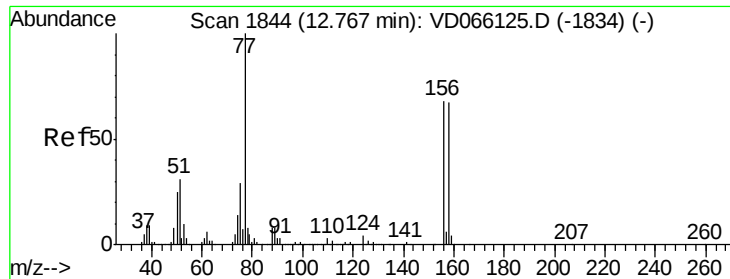
Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Tgt Ion:	75	Resp:	37047
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.848 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion:156 Resp: 72965

Ion Ratio Lower Upper

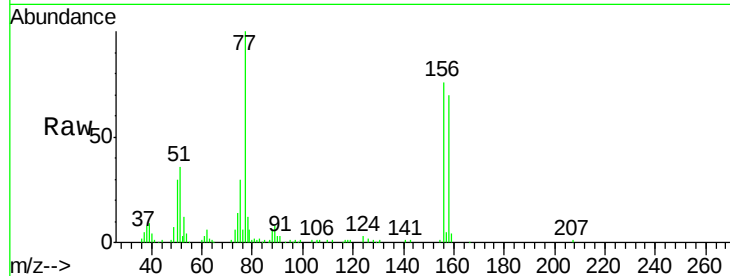
156 100

77 156.5 81.0 243.1

158 95.2 48.8 146.3

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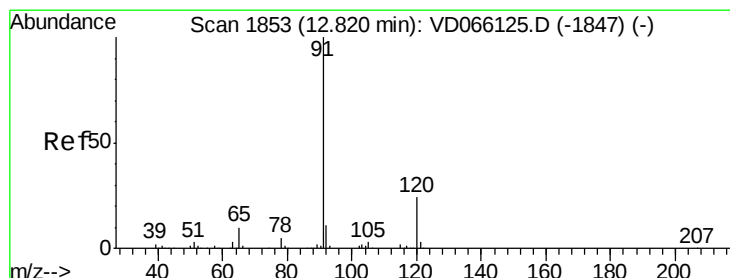
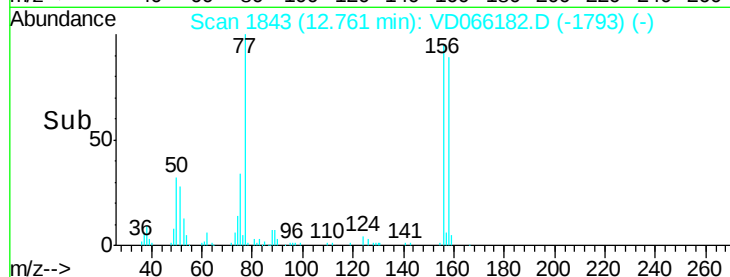
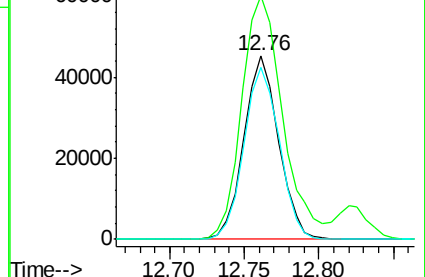
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.817 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066182.D

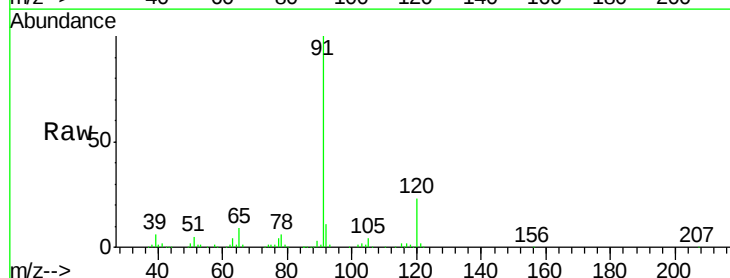
Acq: 11 Aug 2020 12:56

Tgt Ion: 91 Resp: 328946

Ion Ratio Lower Upper

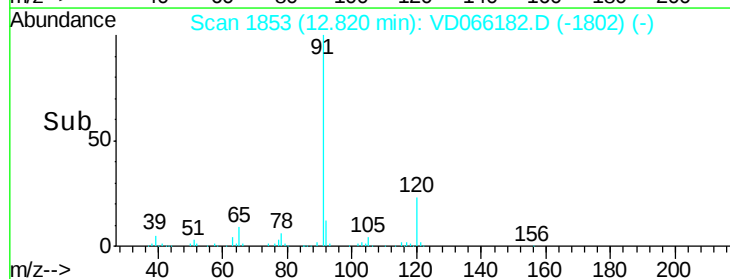
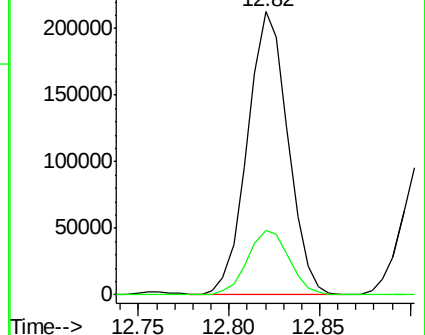
91 100

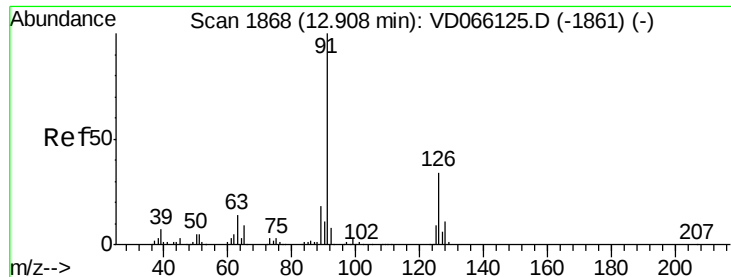
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.599 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 91 Resp: 185957

Ion Ratio Lower Upper

91 100

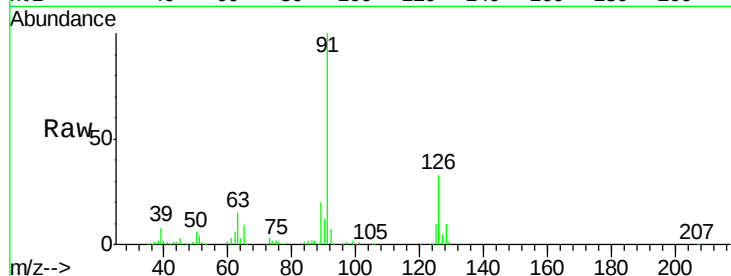
126 36.1 17.5 52.6

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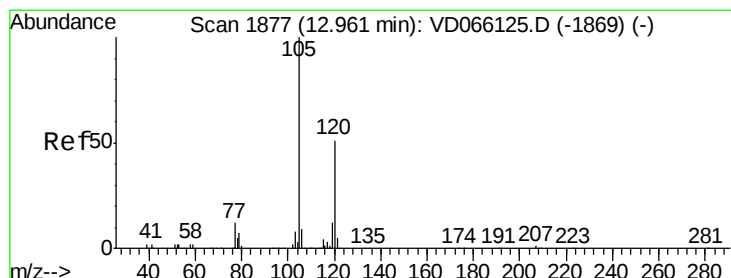
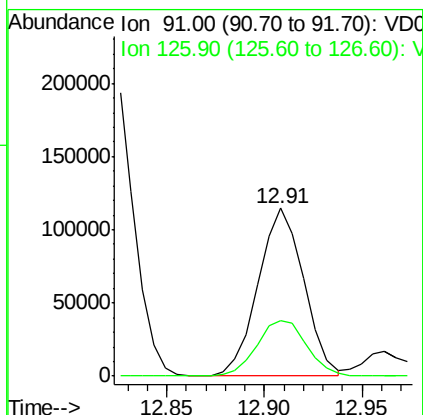
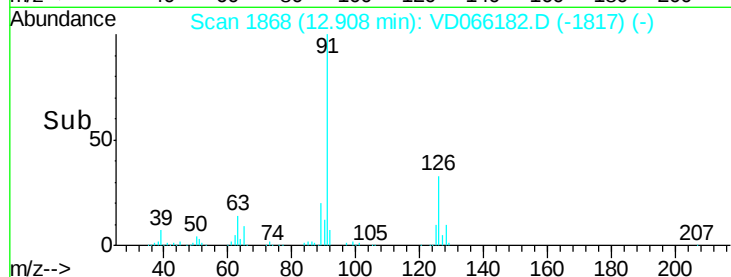
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Abundance Ion 91.00 (90.70 to 91.70): VD066182.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066182.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.986 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066182.D

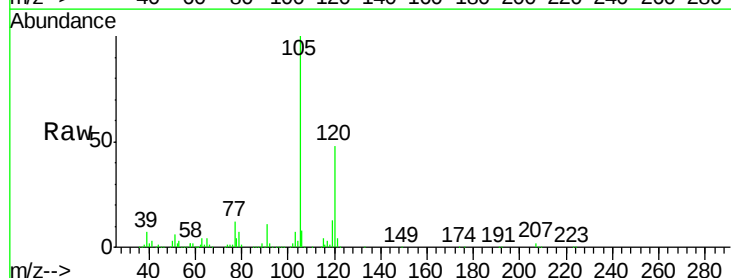
Acq: 11 Aug 2020 12:56

Tgt Ion:105 Resp: 238789

Ion Ratio Lower Upper

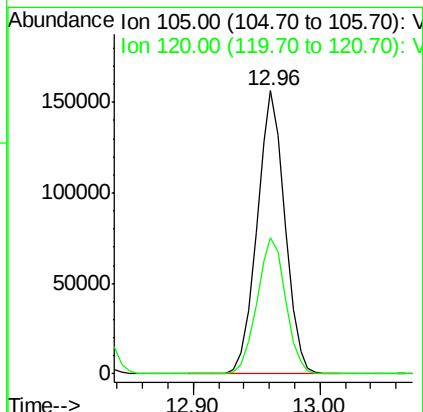
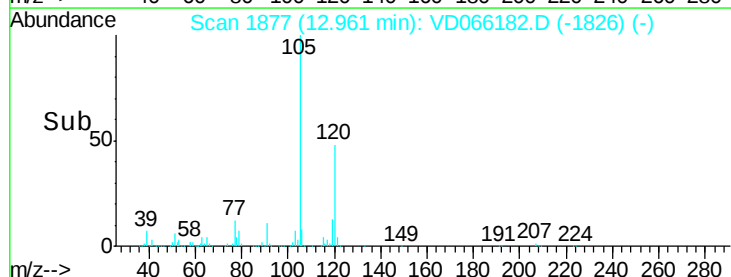
105 100

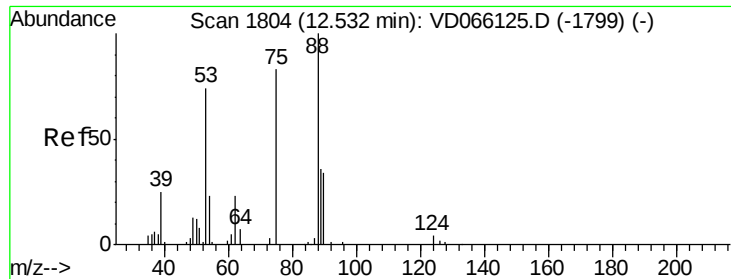
120 49.4 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066182.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066182.D (-1826) (-)





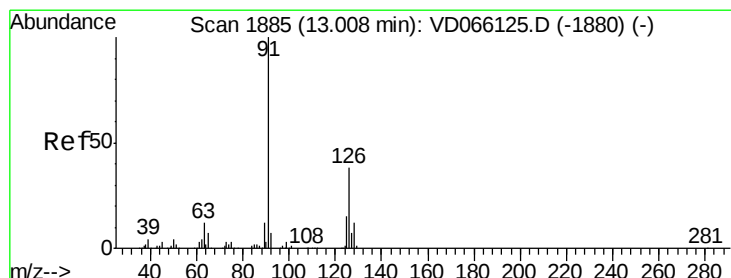
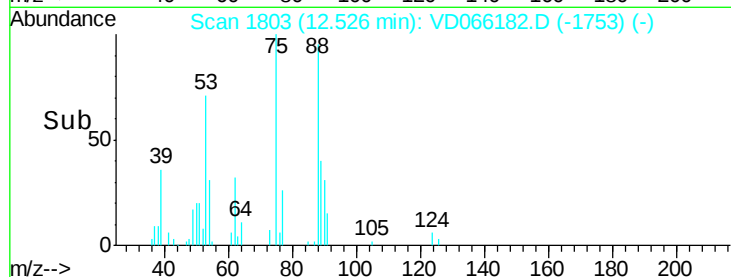
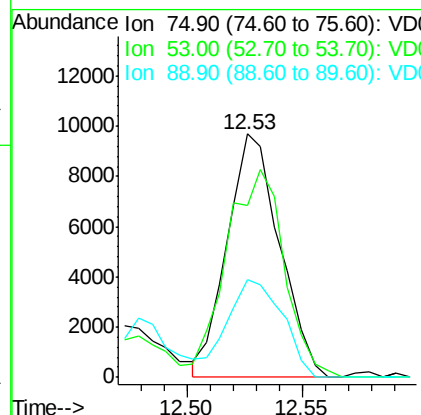
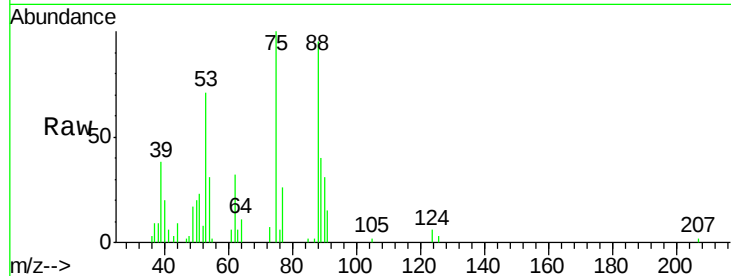
#81
trans-1,4-Dichloro-2-butene
Concen: 18.014 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	73.4	110.2
89	42.8	36.6	55.0

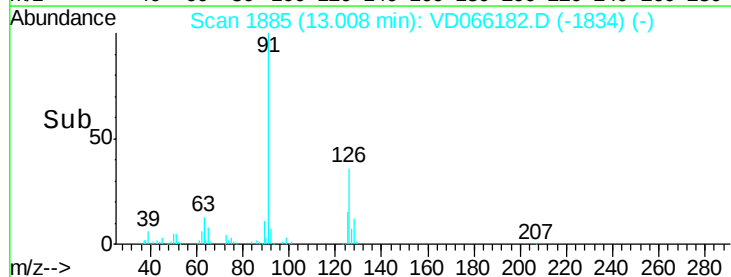
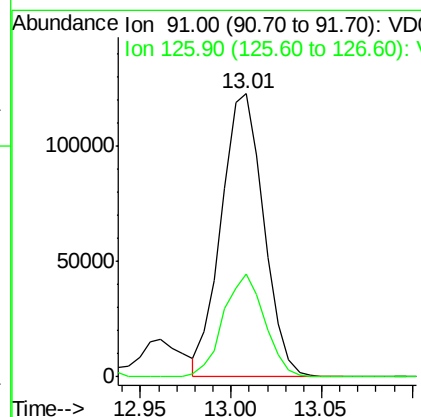
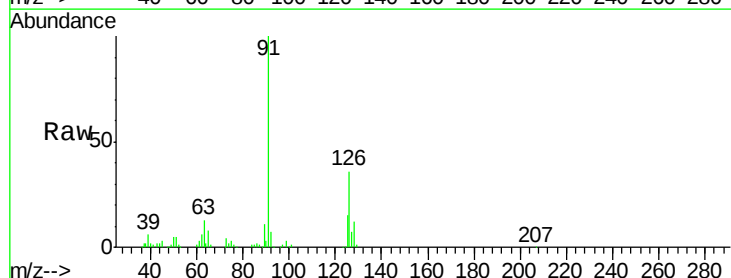
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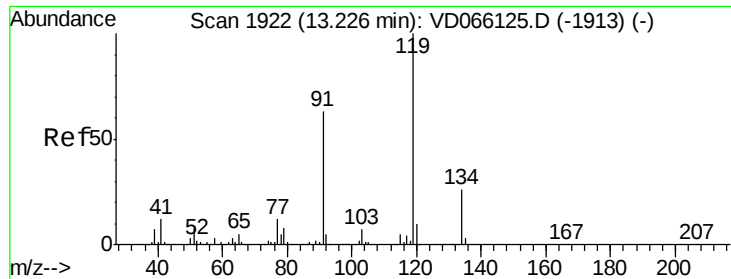
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#82
4-Chlorotoluene
Concen: 18.930 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.3





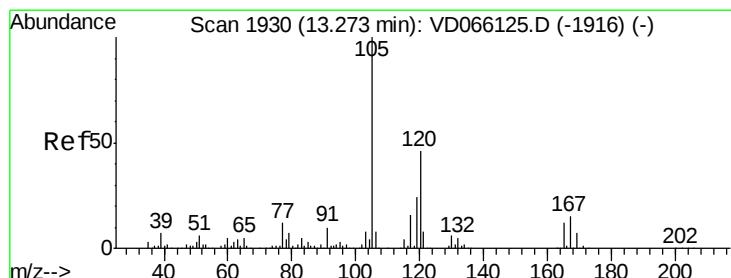
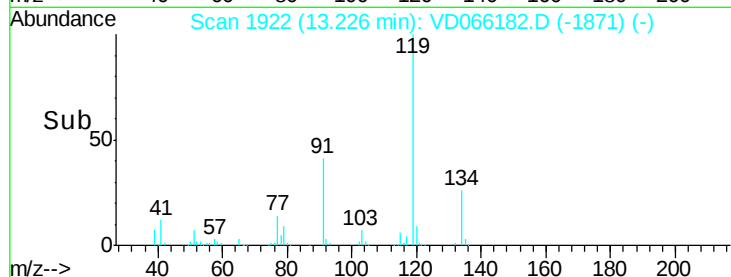
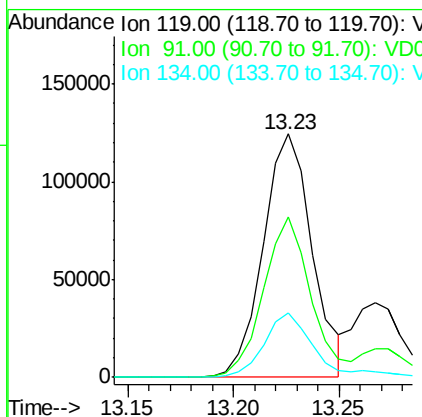
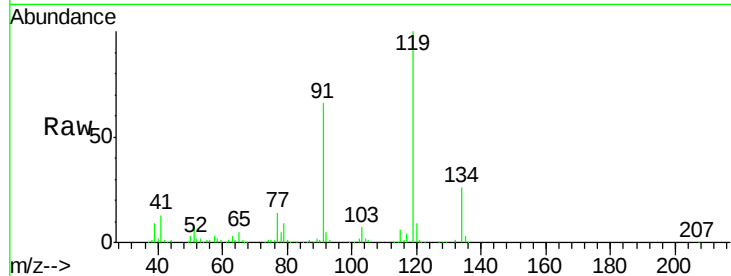
#83
tert-Butylbenzene
Concen: 18.181 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201093		
91	64.1	30.8	92.4	
134	27.3	13.6	40.8	

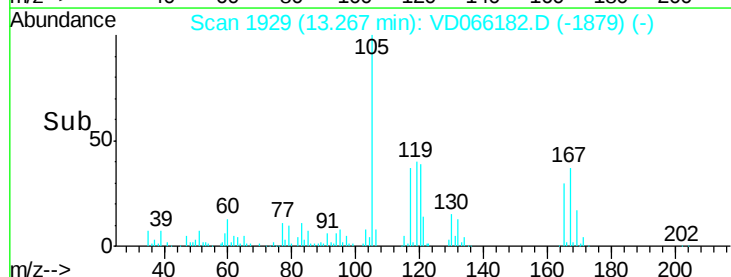
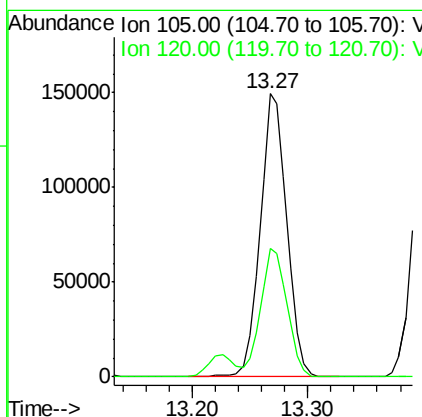
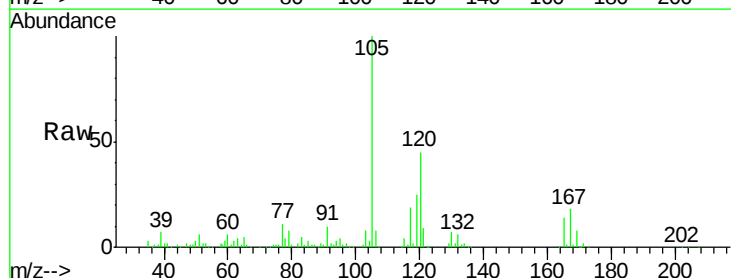
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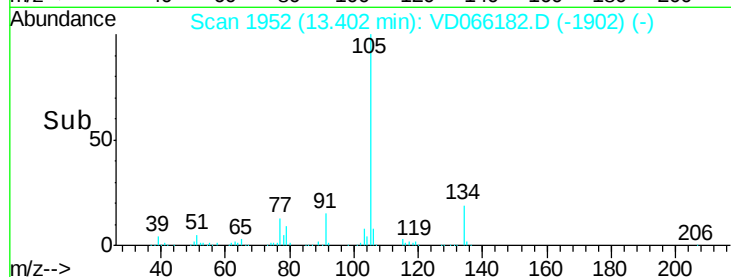
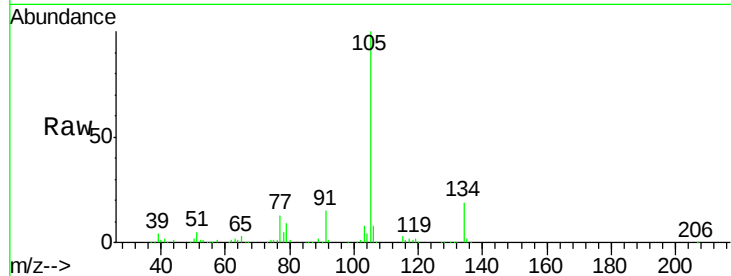
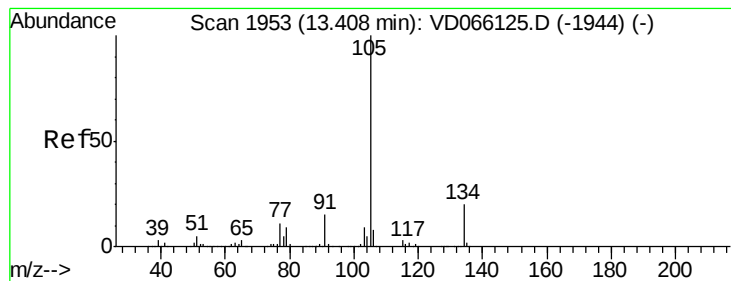
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#84
1,2,4-Trimethylbenzene
Concen: 19.037 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	239604		
120	45.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 18.794 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Tot Ion	Ratio	Resp	Lower	Upper
105	100	280650		
134	20.2		10.4	31.4

Instrument :

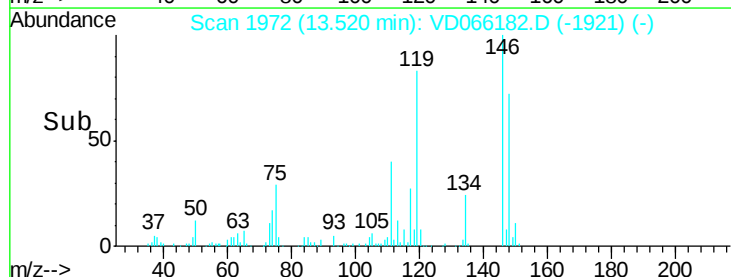
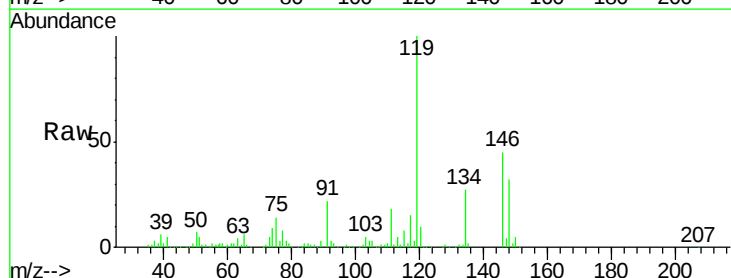
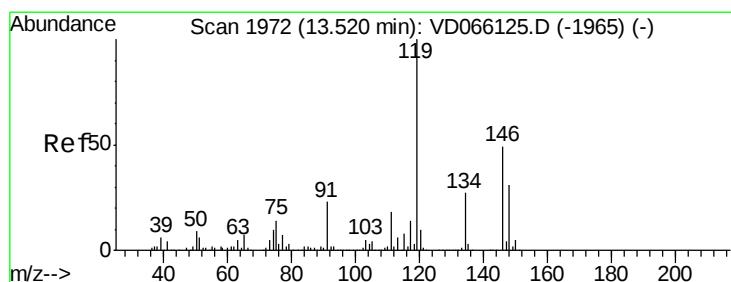
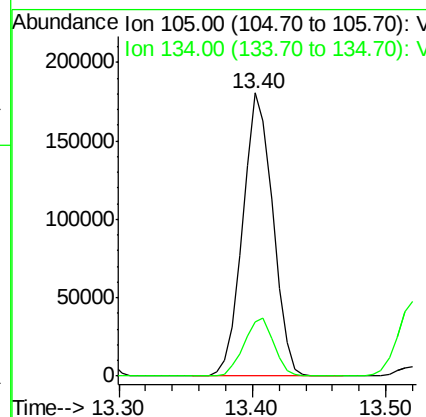
MSVOA_D

ClientSampleId :

VD0811SBS01

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#86

p-Isopropyltoluene

Concen: 18.673 ug/l

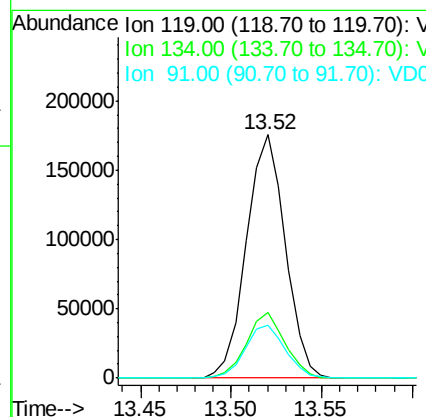
RT: 13.52 min Scan# 1972

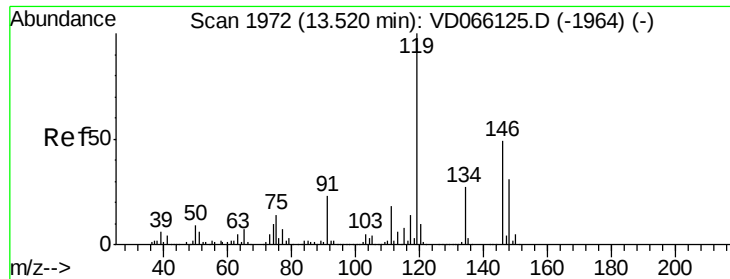
Delta R.T. 0.00 min

Lab File: VD066182.D

Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	261532		
134	26.8		13.5	40.4
91	22.1		11.2	33.5





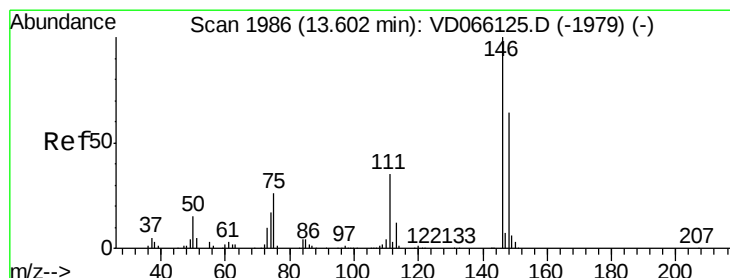
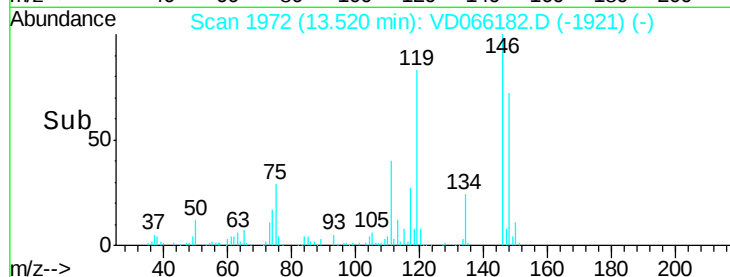
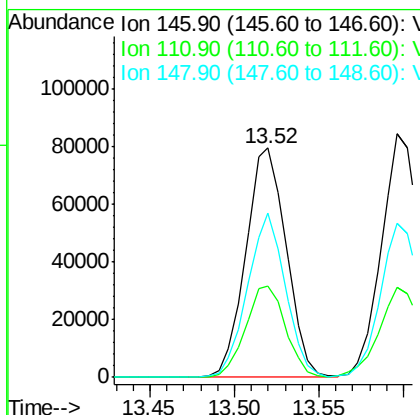
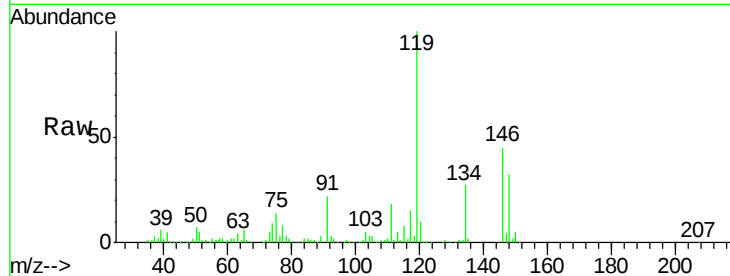
#87
 1,3-Dichlorobenzene
 Concen: 18.253 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	132803		
111	39.3		18.9	56.9
148	67.0		31.8	95.3

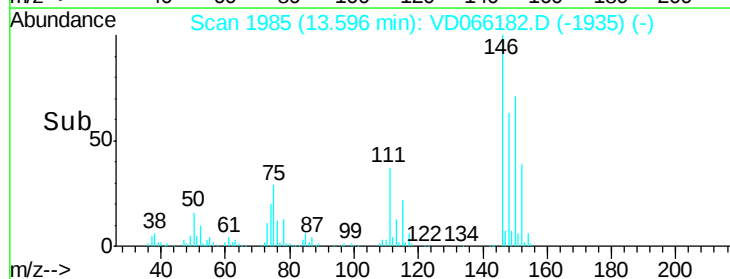
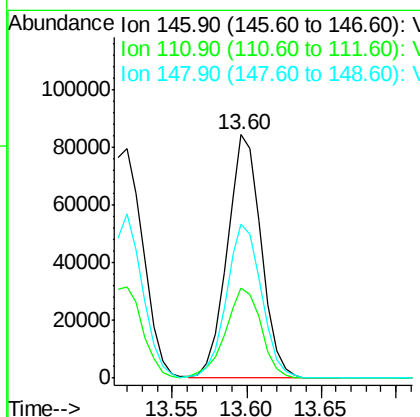
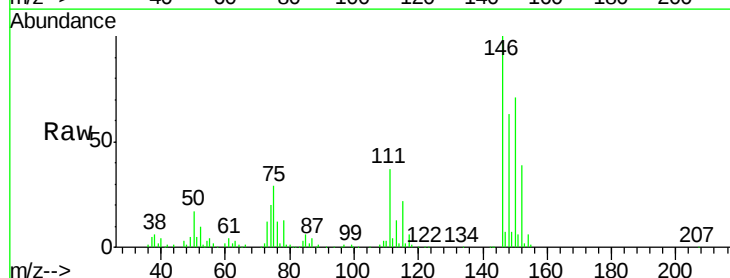
Manual Integrations
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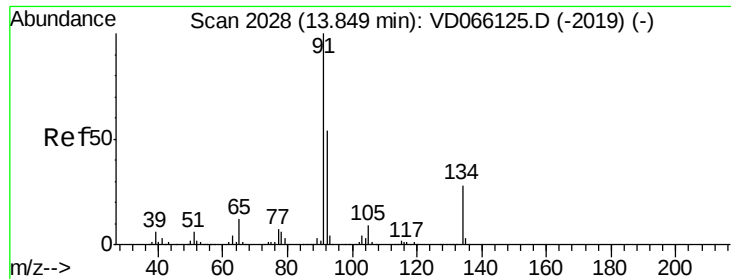
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#88
 1,4-Dichlorobenzene
 Concen: 18.482 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	134106		
111	38.8		18.6	55.8
148	65.3		32.4	97.0





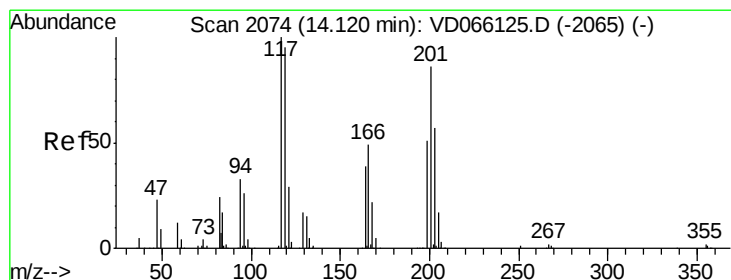
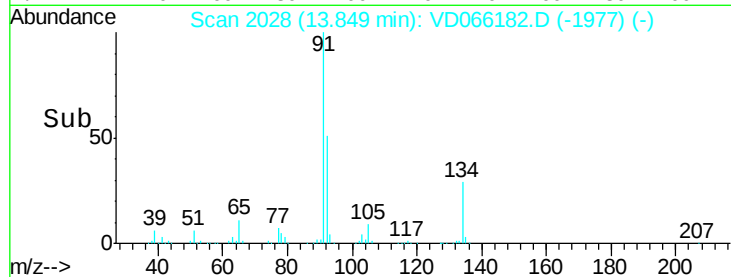
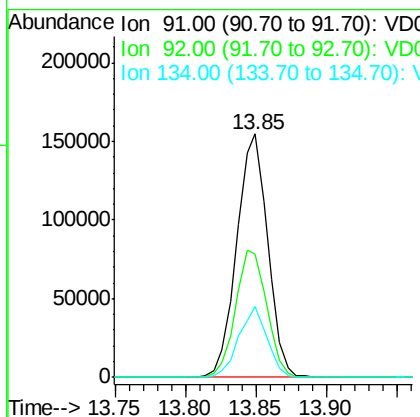
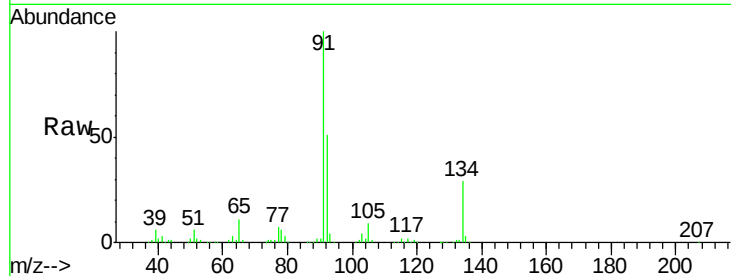
#89
n-Butylbenzene
Concen: 18.867 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.6	26.8	80.3	
134	27.1	14.0	41.9	

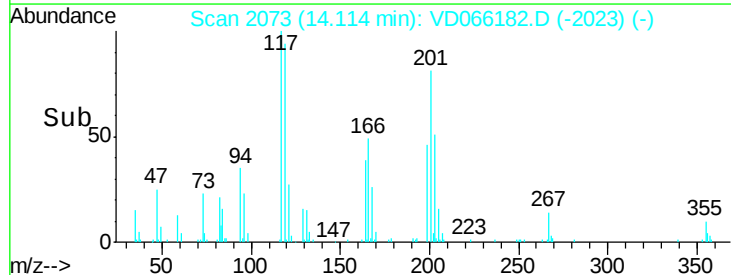
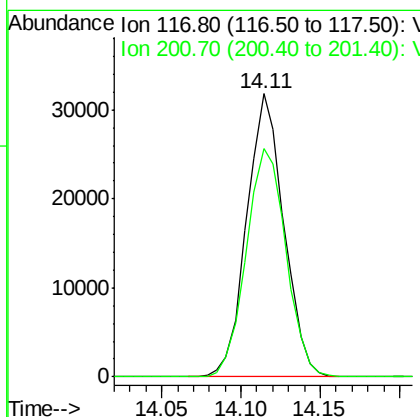
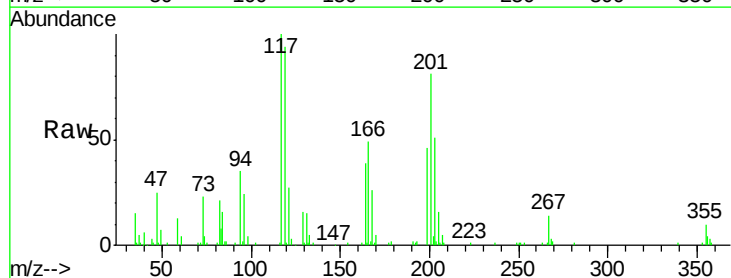
Manual Integrations
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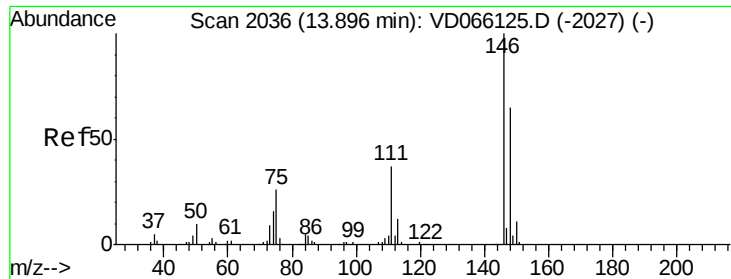
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#90
Hexachloroethane
Concen: 18.535 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.1	42.7	128.1	





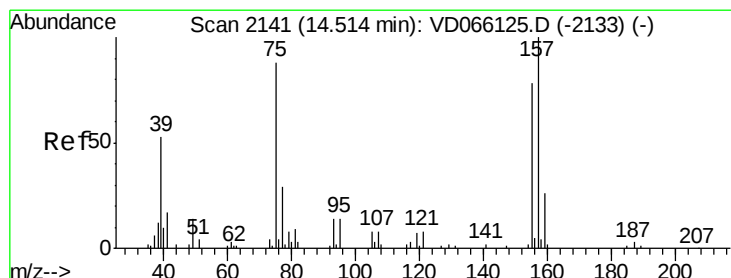
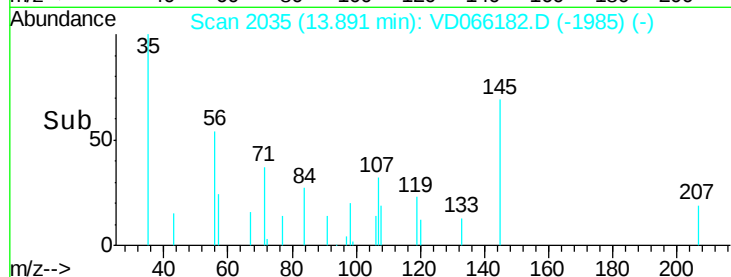
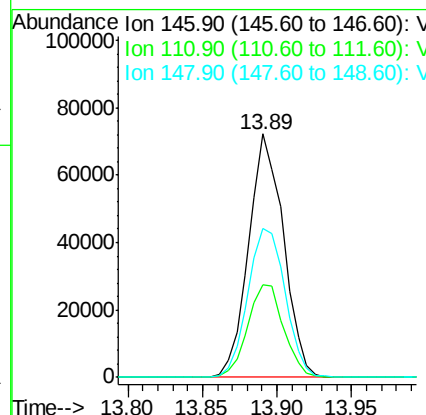
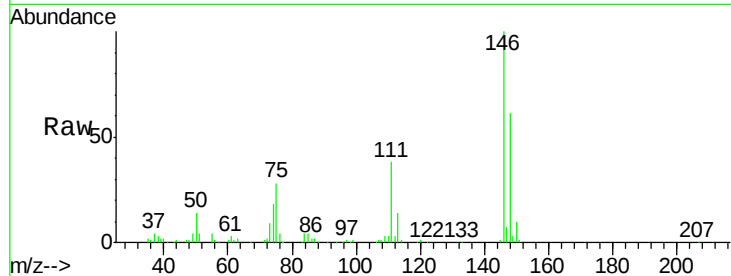
#91
 1,2-Dichlorobenzene
 Concen: 18.103 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.8	56.3
148	65.8	31.9	95.5

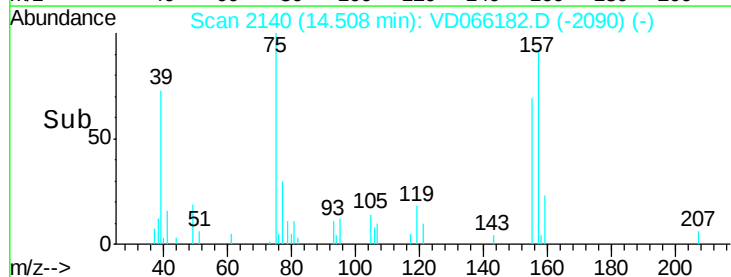
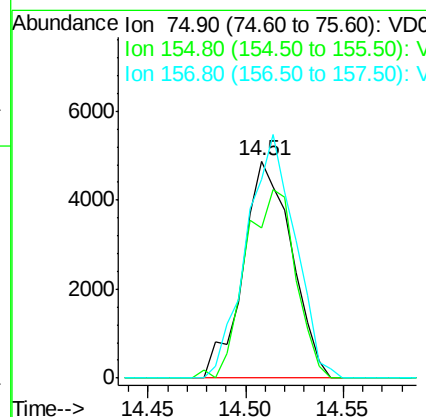
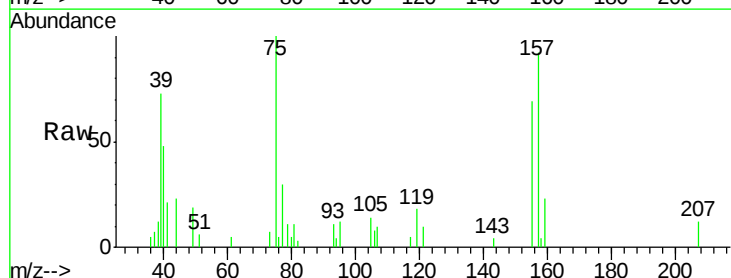
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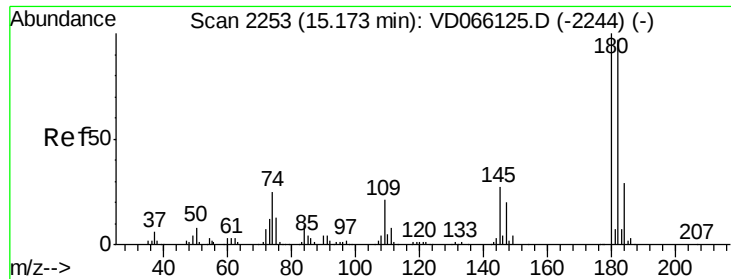
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.177 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066182.D
 Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	47.7	143.1
157	111.5	62.1	186.2





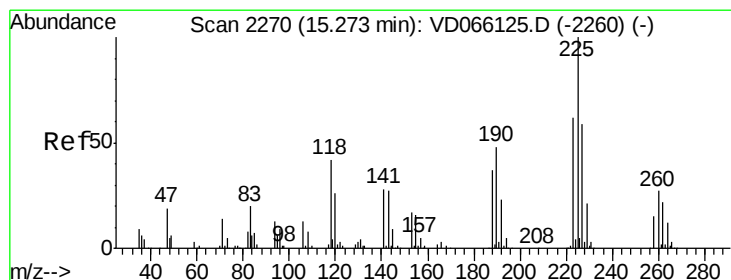
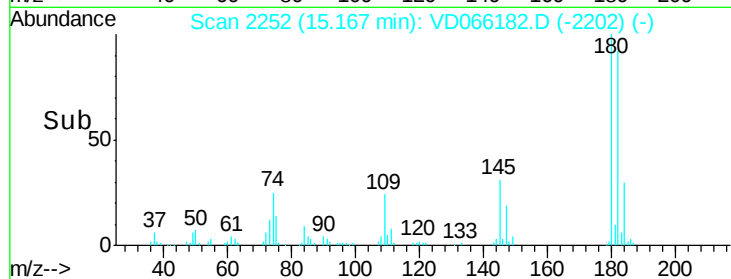
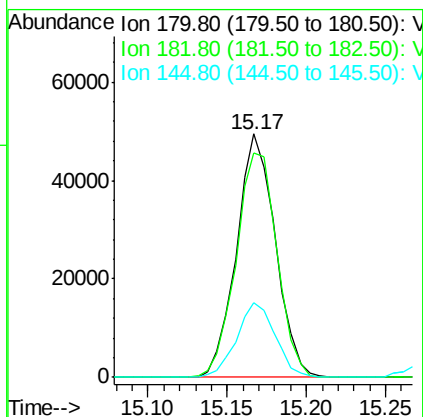
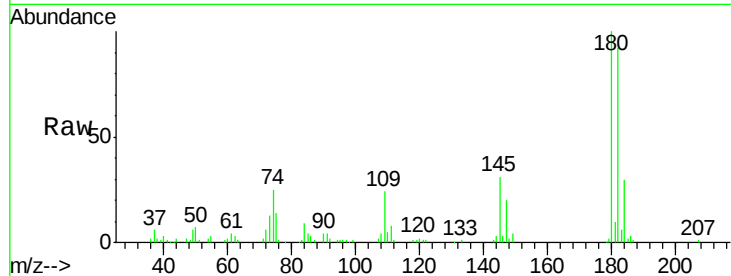
#93
1,2,4-Trichlorobenzene
Concen: 17.717 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.01 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.4	142.2
145	30.7	14.5	43.6

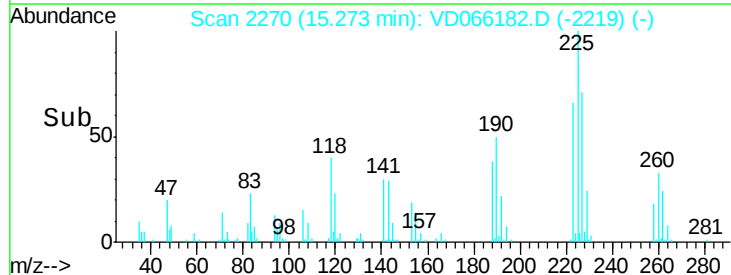
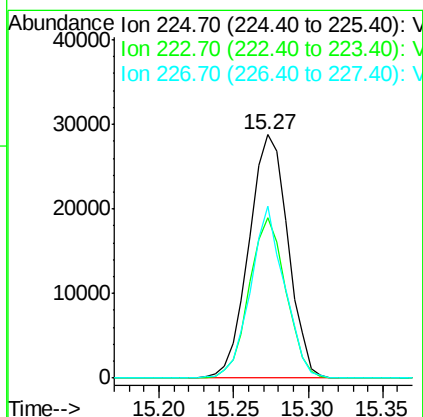
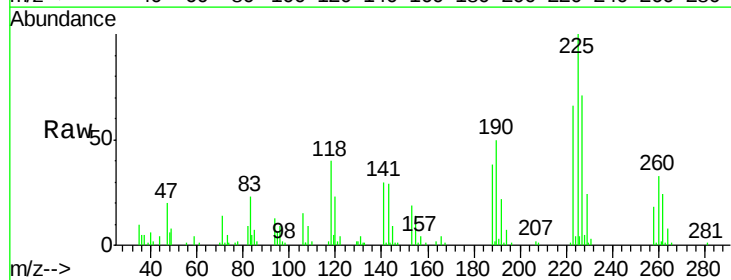
Manual Integrations
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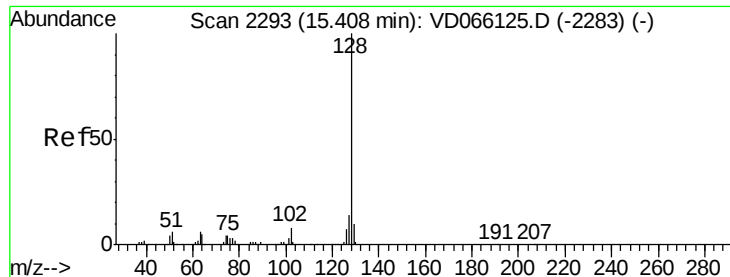
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#94
Hexachlorobutadiene
Concen: 18.637 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.3	96.9
227	61.4	32.1	96.5





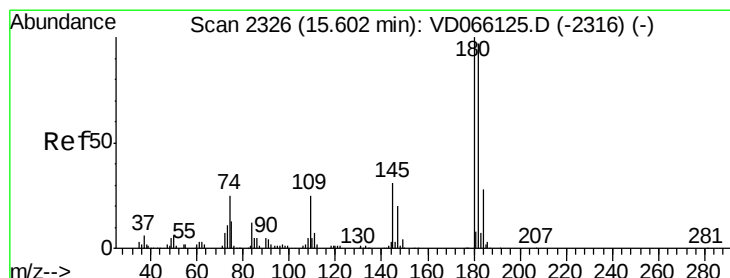
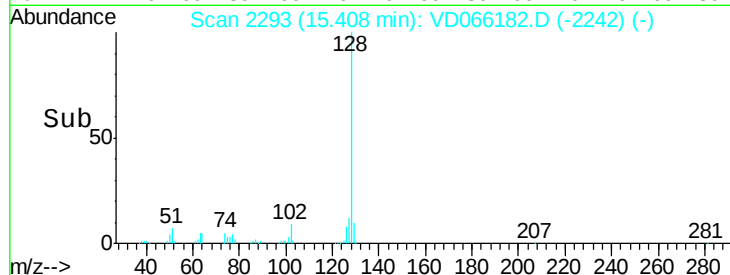
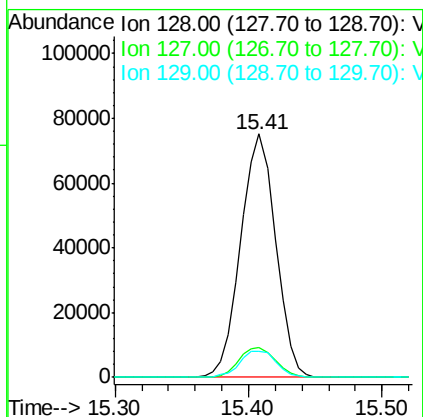
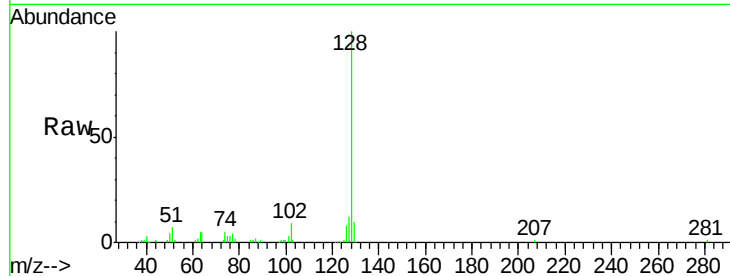
#95
Naphthalene
Concen: 17.652 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	136385		
127	12.9		11.0	16.4
129	11.1		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.751 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066182.D
Acq: 11 Aug 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	74305		
182	92.9		47.1	141.4
145	30.9		14.9	44.9

