

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066130.D
 Acq On : 06 Aug 2020 11:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/7/2020 12:48:28 PM

Quant Time: Aug 07 01:37:06 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	341191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	493619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	430769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227403	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	154775	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
35) Dibromofluoromethane	7.91	113	160026	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.34	98	595637	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.63	95	203614	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	119843	39.868	ug/l	100
3) Chloromethane	2.20	50	94826	40.553	ug/l	93
4) Vinyl Chloride	2.34	62	91226	44.066	ug/l	100
5) Bromomethane	2.76	94	58231	42.396	ug/l	95
6) Chloroethane	2.91	64	55343	43.551	ug/l	92
7) Trichlorofluoromethane	3.26	101	228195	42.280	ug/l	100
8) Diethyl Ether	3.70	74	66584	43.722	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	143089	44.672	ug/l	99
10) Methyl Iodide	4.29	142	123264	43.307	ug/l	99
11) Tert butyl alcohol	5.23	59	53235	231.381	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	134415	44.484	ug/l	99
13) Acrolein	3.91	56	56655	233.830	ug/l	100
14) Allyl chloride	4.70	41	216159	47.220	ug/l	96
15) Acrylonitrile	5.41	53	145947	227.426	ug/l	98
16) Acetone	4.16	43	165977	287.373	ug/l	99
17) Carbon Disulfide	4.40	76	419573	43.672	ug/l	100
18) Methyl Acetate	4.71	43	64537	43.991	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	307553	44.407	ug/l	98
20) Methylene Chloride	4.96	84	158320	47.498	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	152189	43.844	ug/l	99
22) Diisopropyl ether	6.36	45	411535	45.461	ug/l	98
23) Vinyl Acetate	6.30	43	1259533	237.500	ug/l	99
24) 1,1-Dichloroethane	6.26	63	251771	44.941	ug/l	100
25) 2-Butanone	7.20	43	207481	244.242	ug/l	96
26) 2,2-Dichloropropane	7.20	77	235478	46.898	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	163765	44.980	ug/l	98
28) Bromochloromethane	7.54	49	103620	52.662	ug/l	94
29) Tetrahydrofuran	7.56	42	124005	235.610	ug/l	97
30) Chloroform	7.70	83	256457	43.596	ug/l	97
31) Cyclohexane	7.98	56	240366	45.073	ug/l	95
32) 1,1,1-Trichloroethane	7.89	97	241430	43.773	ug/l	99
36) 1,1-Dichloropropene	8.10	75	205835	44.375	ug/l	98
37) Ethyl Acetate	7.28	43	87375	47.542	ug/l	98
38) Carbon Tetrachloride	8.08	117	224597	43.420	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	259291	46.242	ug/l	99
40) Benzene	8.34	78	575155	44.698	ug/l	97
41) Methacrylonitrile	7.51	41	46070	42.634	ug/l	96
42) 1,2-Dichloroethane	8.41	62	164523	43.523	ug/l	99
43) Isopropyl Acetate	8.45	43	166713	46.039	ug/l	98
44) Trichloroethene	9.11	130	171966	44.350	ug/l	94
45) 1,2-Dichloropropane	9.38	63	139364	44.284	ug/l	99
46) Dibromomethane	9.47	93	76625	44.203	ug/l	98
47) Bromodichloromethane	9.66	83	195424	42.654	ug/l	91
48) Methyl methacrylate	9.45	41	84103	45.486	ug/l	97
49) 1,4-Dioxane	9.46	88	19903	893.672	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	417902	224.678	ug/l	100
52) Toluene	10.40	92	370551	43.763	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	191869	44.128	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	226197	44.403	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	105124	42.114	ug/l	94
56) Ethyl methacrylate	10.66	69	136398	45.487	ug/l	98
57) 1,3-Dichloropropane	10.94	76	178346	43.037	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	372799	276.391	ug/l	100
59) 2-Hexanone	10.98	43	305666	234.158	ug/l	99
60) Dibromochloromethane	11.14	129	145322	42.170	ug/l	99
61) 1,2-Dibromoethane	11.24	107	103927	43.293	ug/l	98
64) Tetrachloroethene	10.87	164	145336	43.937	ug/l	97
65) Chlorobenzene	11.67	112	392027	44.830	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	148721	43.466	ug/l	100
67) Ethyl Benzene	11.74	91	696048	45.932	ug/l	99
68) m/p-Xylenes	11.85	106	541575	92.242	ug/l	99
69) o-Xylene	12.18	106	244118	45.708	ug/l	100
70) Styrene	12.20	104	433224	46.284	ug/l	99
71) Bromoform	12.36	173	89325	44.063	ug/l #	99
73) Isopropylbenzene	12.48	105	692123	45.595	ug/l	100
74) N-amyl acetate	12.29	43	155839	46.621	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	110491	42.687	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	76156m	40.159	ug/l	
77) Bromobenzene	12.76	156	168955	43.238	ug/l	97
78) n-propylbenzene	12.82	91	802532	45.481	ug/l	100
79) 2-Chlorotoluene	12.91	91	446168	44.210	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	600299	47.287	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	39260	45.764	ug/l	98
82) 4-Chlorotoluene	13.01	91	492000	46.182	ug/l	99
83) tert-Butylbenzene	13.23	119	489683	43.861	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	569270	44.808	ug/l	98
85) sec-Butylbenzene	13.40	105	716009	47.502	ug/l	100
86) p-Isopropyltoluene	13.52	119	673074	47.609	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	326304	44.431	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	328204	44.811	ug/l	99
89) n-Butylbenzene	13.85	91	589535	46.543	ug/l	99
90) Hexachloroethane	14.11	117	129710	46.003	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	279848	43.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19465	43.755	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	220886	46.149	ug/l	99
94) Hexachlorobutadiene	15.27	225	133251	47.277	ug/l	99
95) Naphthalene	15.41	128	376560	48.283	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	193997	45.913	ug/l	99

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

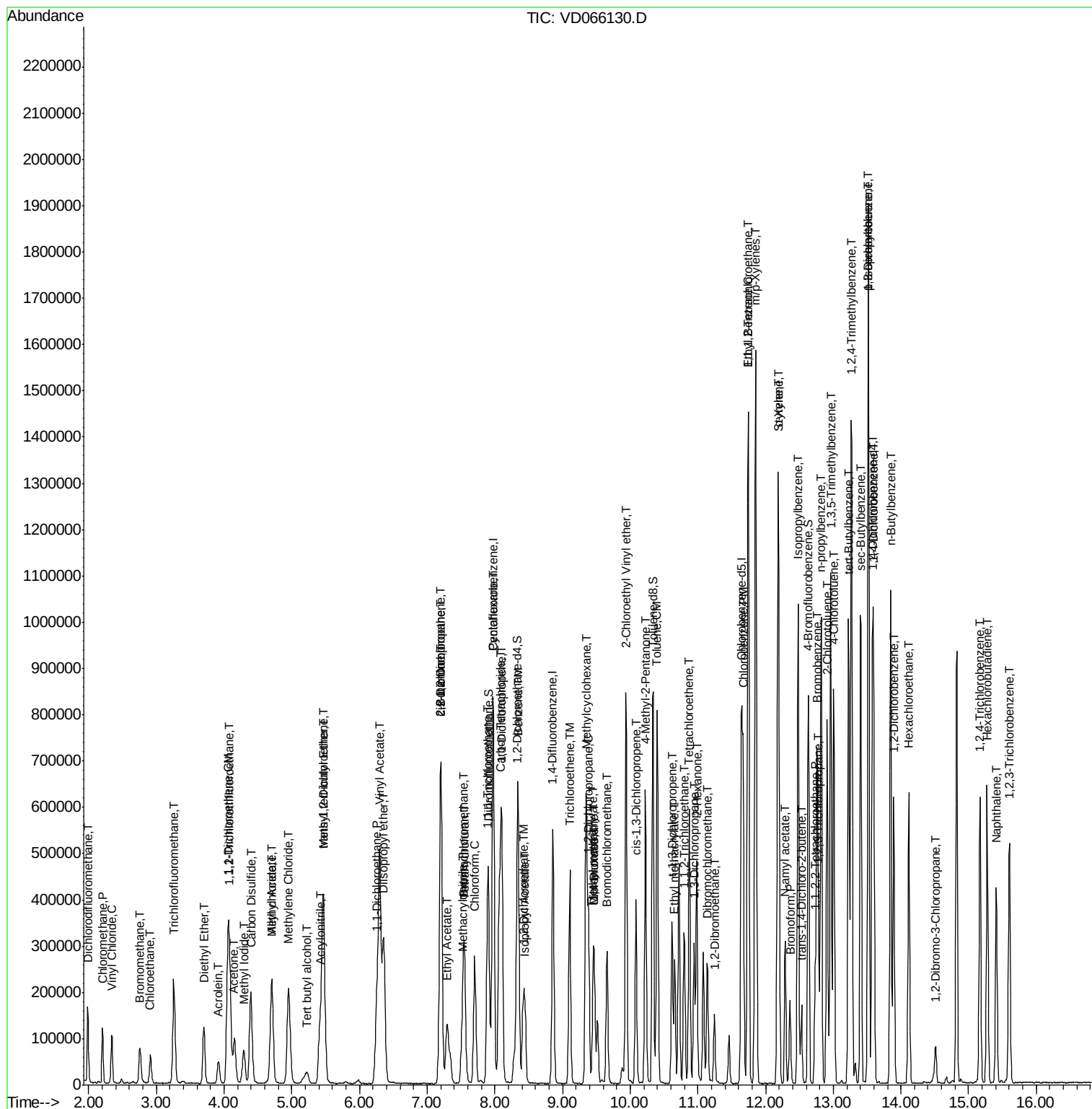
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080620\
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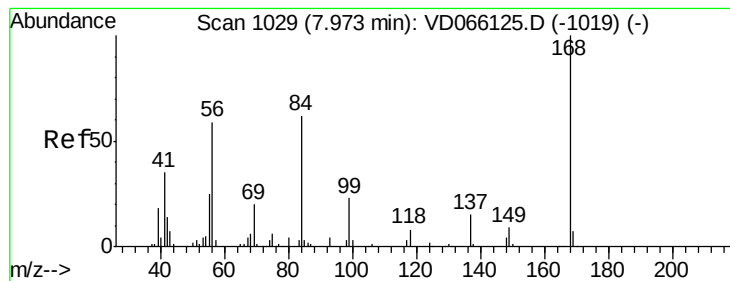
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Tot Ion:168 Resp: 341191

Ion Ratio Lower Upper

168 100

99 52.4 42.2 63.4

Instrument :

MSVOA_D

ClientSampleId :

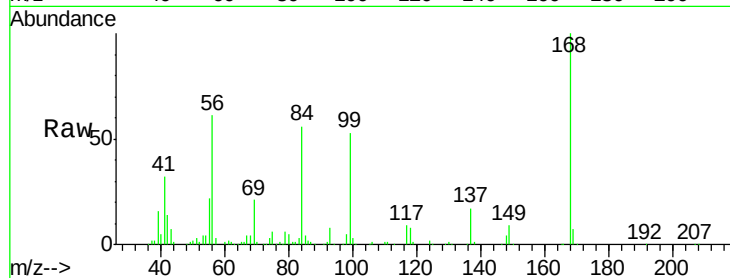
VSTDCCC050

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

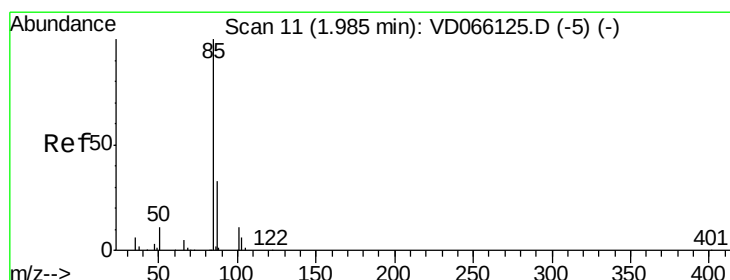
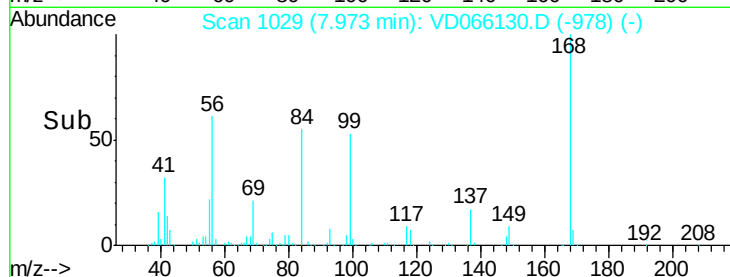
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 39.868 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066130.D

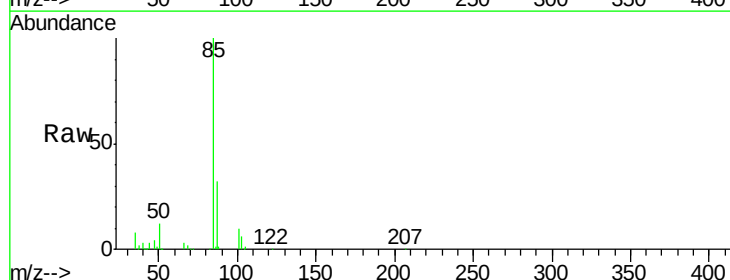
Acq: 06 Aug 2020 11:15

Tgt Ion: 85 Resp: 119843

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

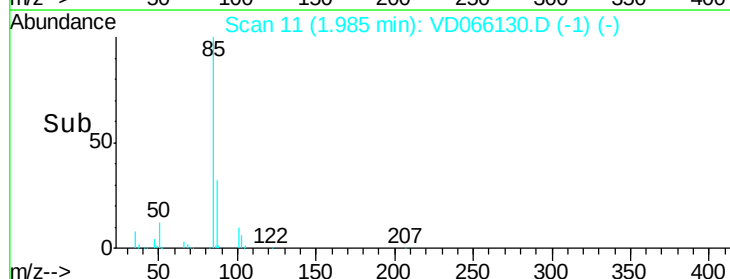
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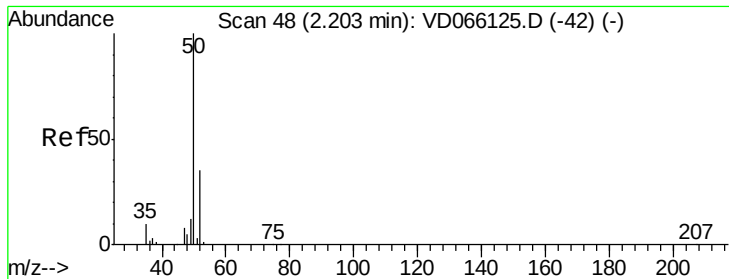
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 40.553 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 94826

Ion Ratio Lower Upper

50 100

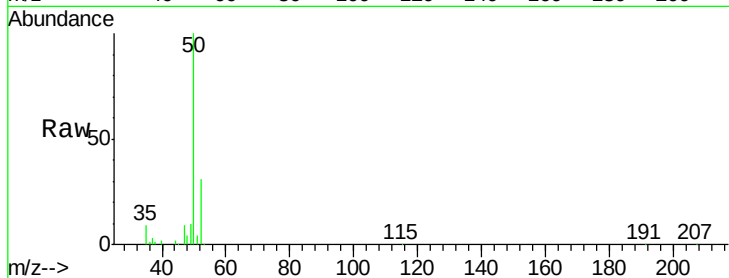
52 30.7 27.9 41.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

60000

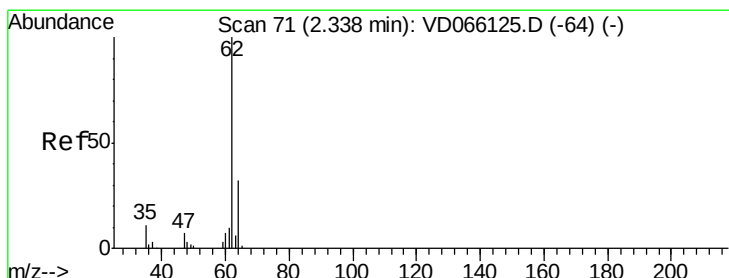
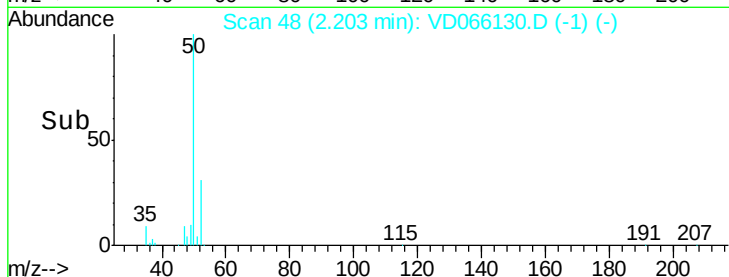
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 44.066 ug/l

RT: 2.34 min Scan# 71

Delta R.T. 0.00 min

Lab File: VD066130.D

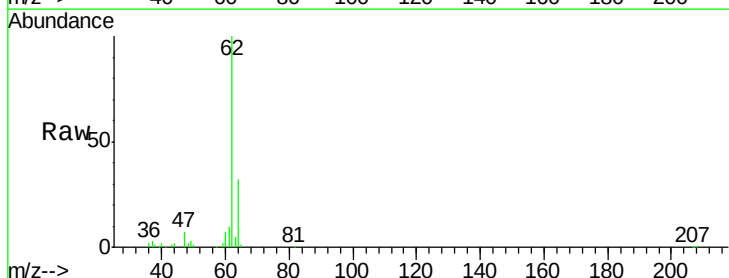
Acq: 06 Aug 2020 11:15

Tgt Ion: 62 Resp: 91226

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.34

60000

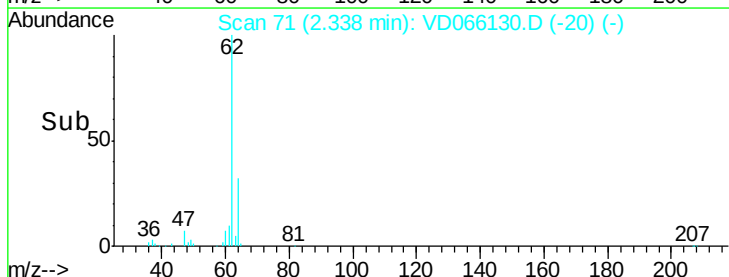
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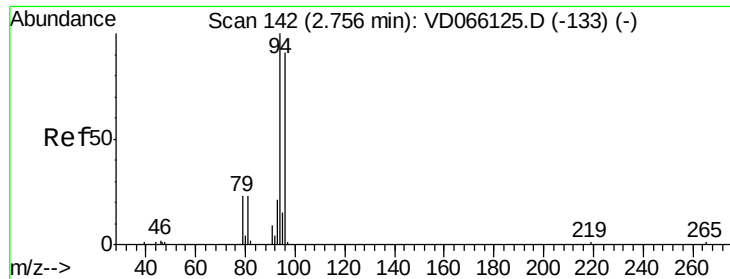
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0

Time-->

2.25 2.30 2.35 2.40





#5

Bromomethane

Concen: 42.396 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 58231

Ion Ratio Lower Upper

94 100

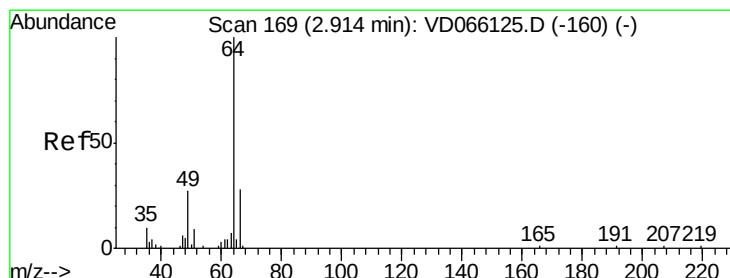
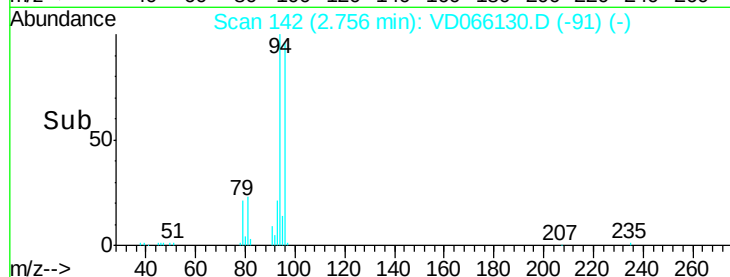
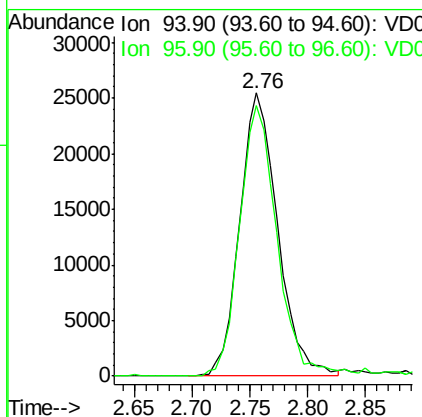
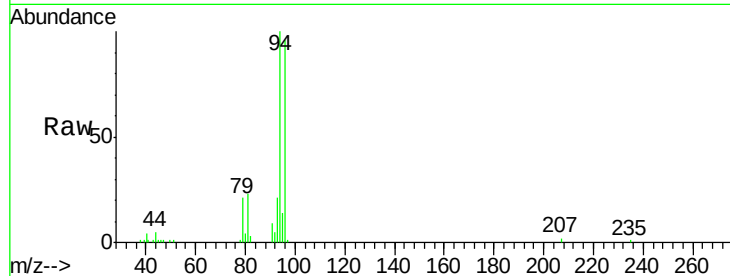
96 95.8 72.6 109.0

Manual Integrations

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#6

Chloroethane

Concen: 43.551 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066130.D

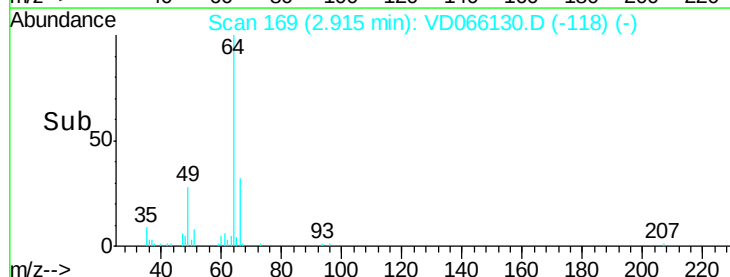
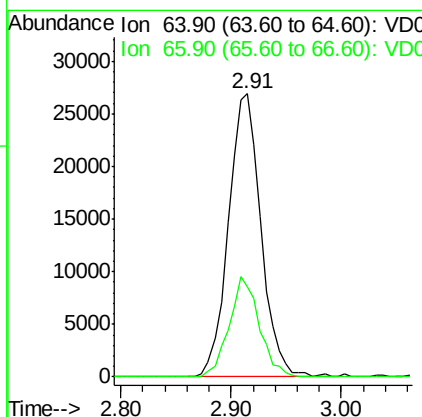
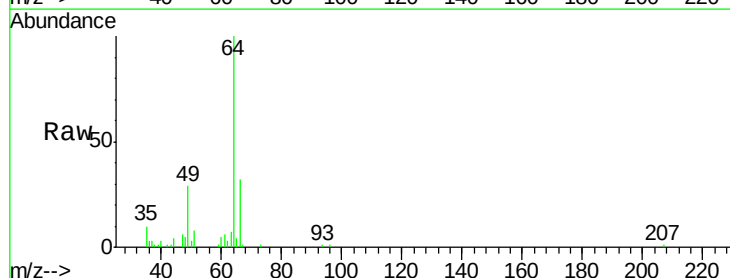
Acq: 06 Aug 2020 11:15

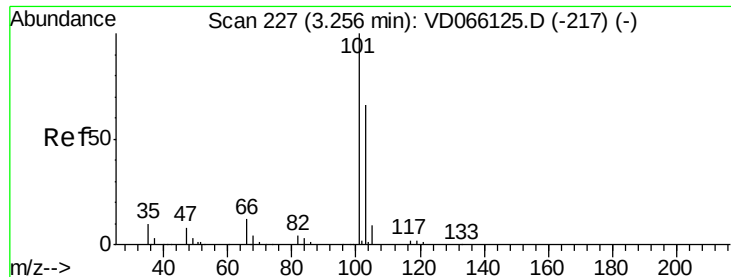
Tgt Ion: 64 Resp: 55343

Ion Ratio Lower Upper

64 100

66 31.6 22.0 33.0





#7

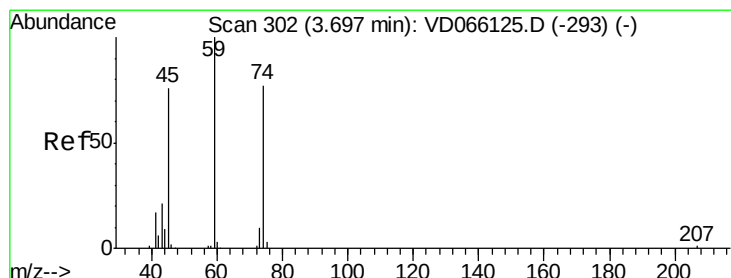
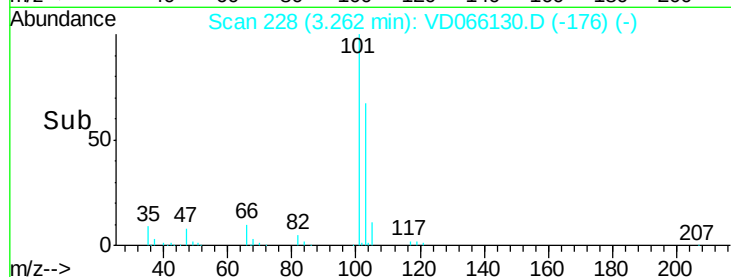
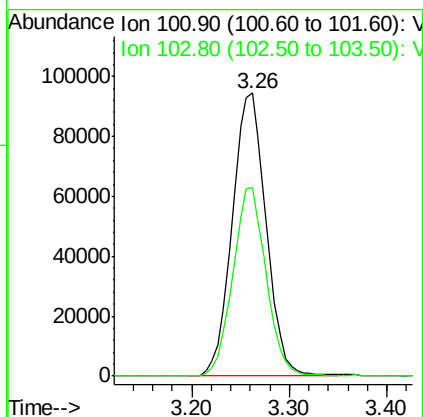
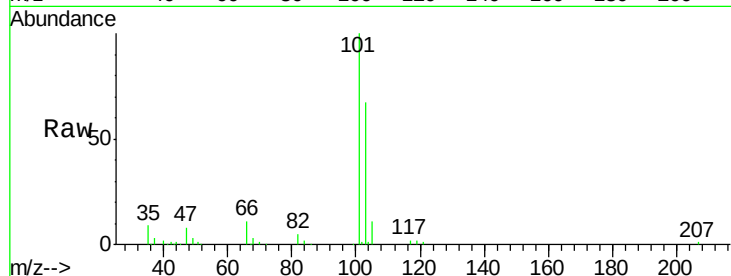
Trichlorofluoromethane
Concen: 42.280 ug/l
RT: 3.26 min Scan# 228
Delta R.T. 0.01 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	228195		
103	66.5	53.0	79.6	

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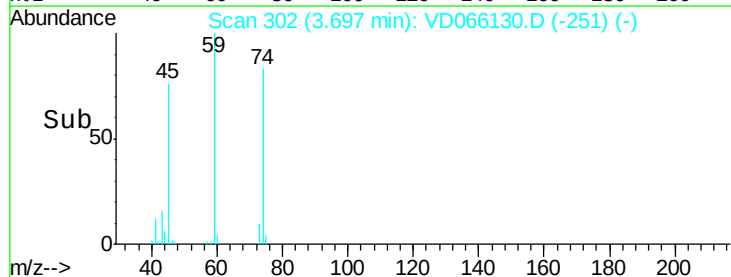
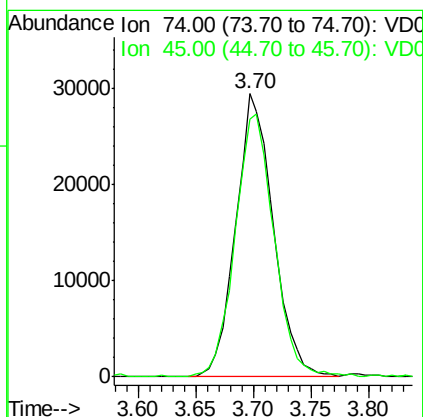
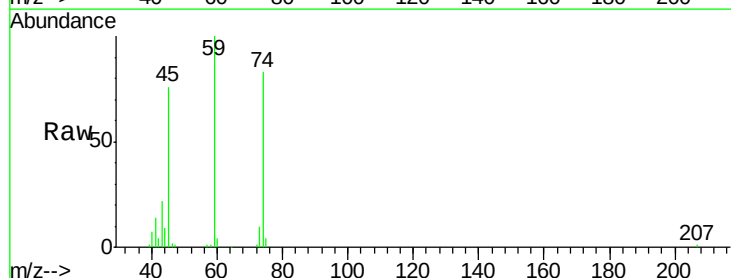
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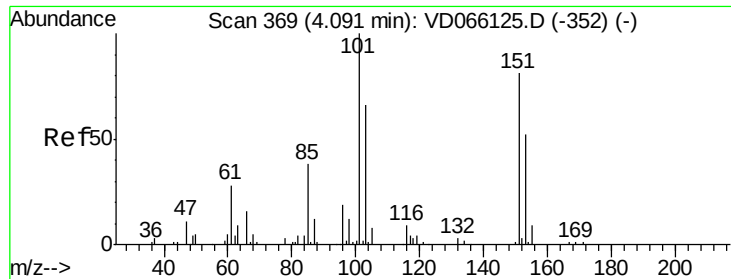


#8

Diethyl Ether
Concen: 43.722 ug/l
RT: 3.70 min Scan# 302
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	66584		
45	96.5	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.672 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

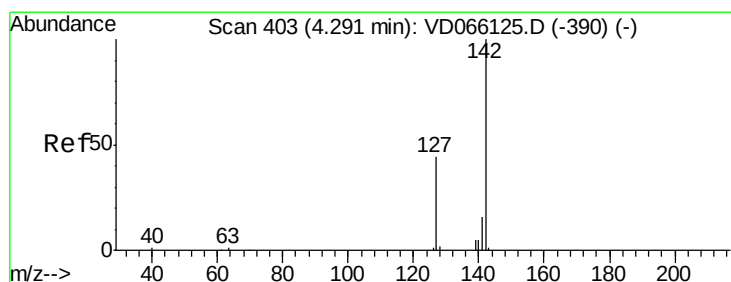
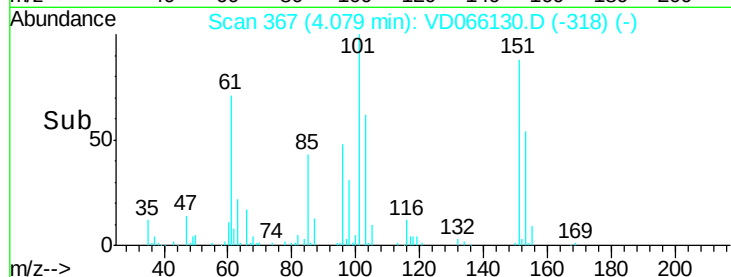
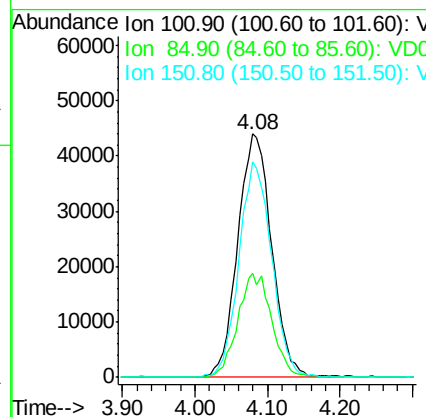
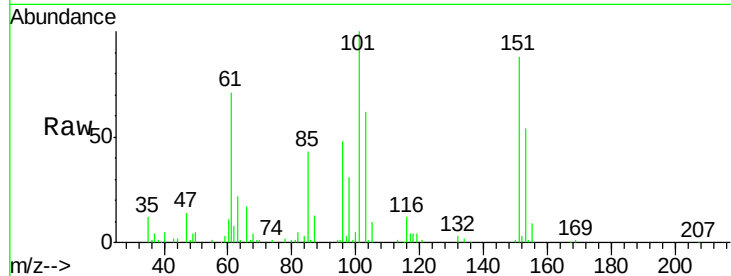
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	143089
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.5	50.3
151	85.2	67.8	101.8

Manual Integrations
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#10

Methyl Iodide

Concen: 43.307 ug/l

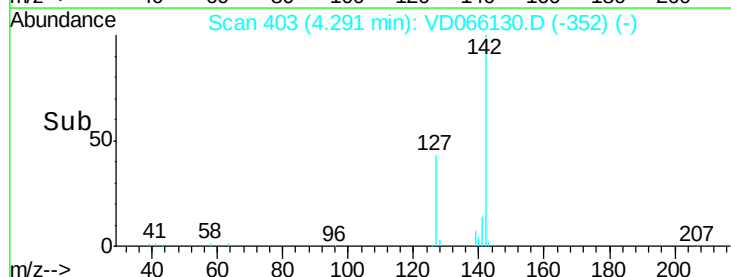
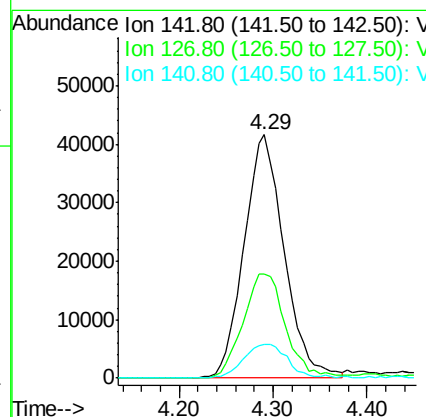
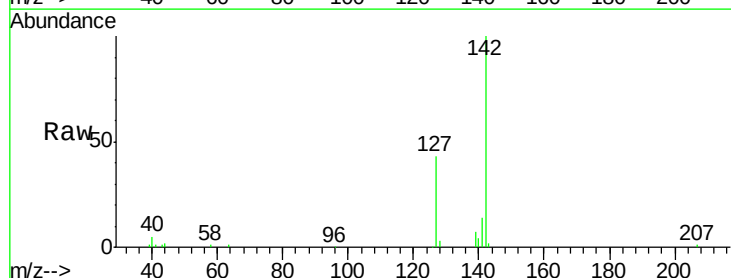
RT: 4.29 min Scan# 403

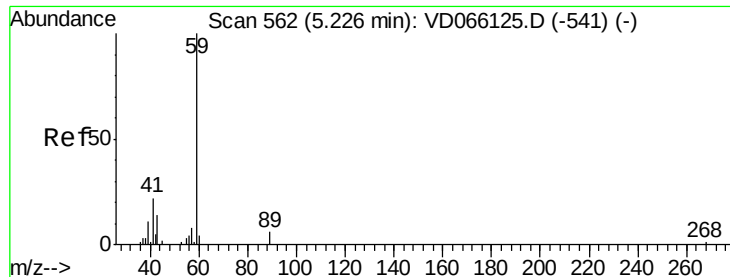
Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Tgt Ion:	142	Resp:	123264
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.2	54.4
141	15.2	12.6	18.8





#11

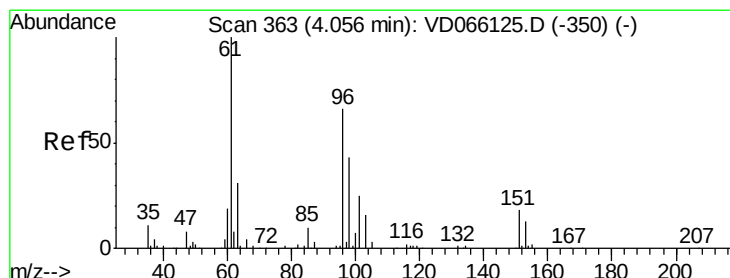
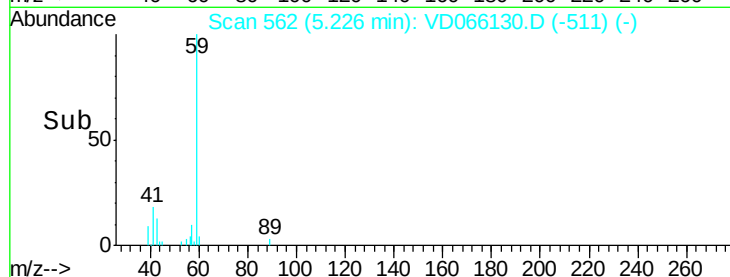
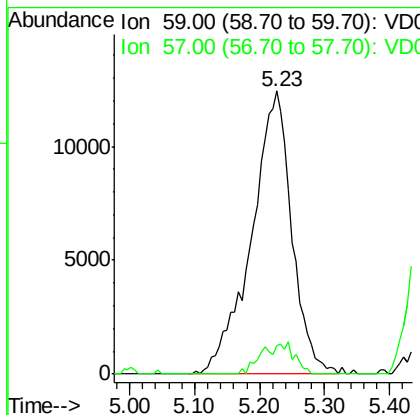
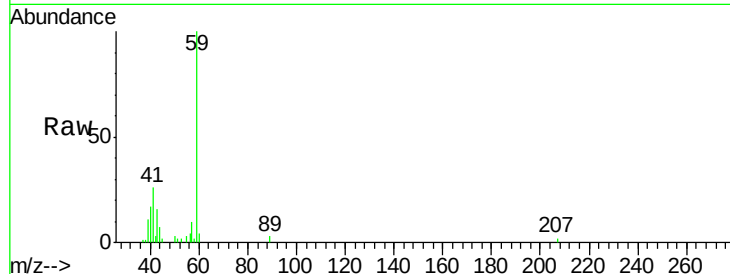
Tert butyl alcohol
 Concen: 231.381 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.0	7.0	10.4#

Manual Integrations
 APPROVED

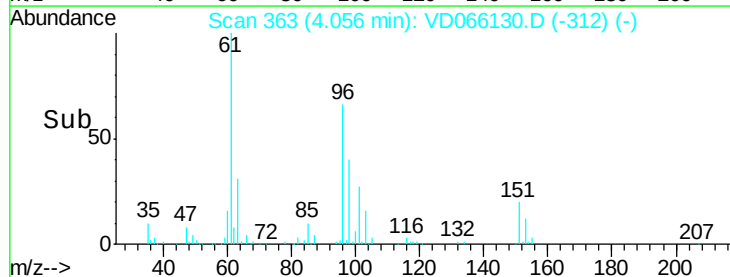
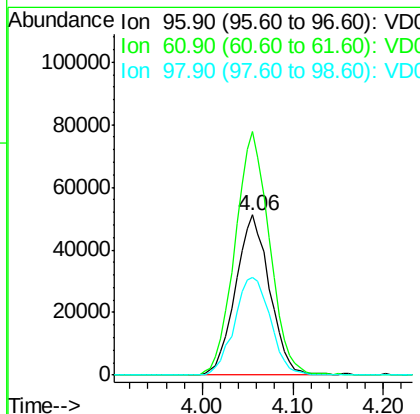
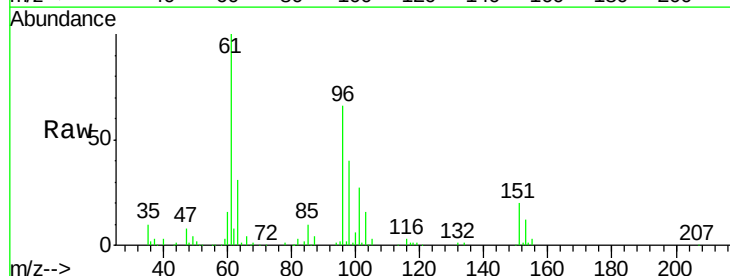
MMDadoda
 8/7/2020 12:48:28 PM

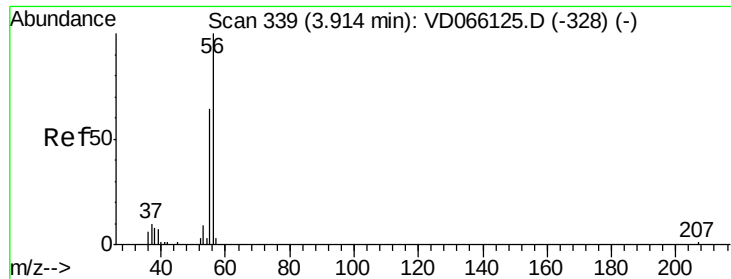


#12

1,1-Dichloroethene
 Concen: 44.484 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.1	121.6	182.4
98	61.4	52.0	78.0





#13

Acrolein

Concen: 233.830 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 56655

Ion Ratio Lower Upper

56 100

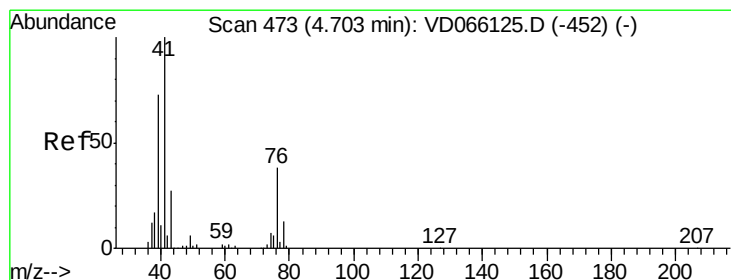
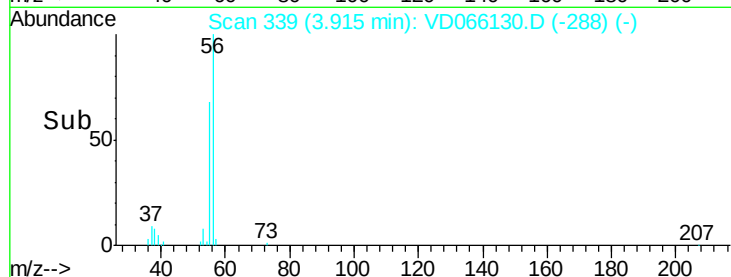
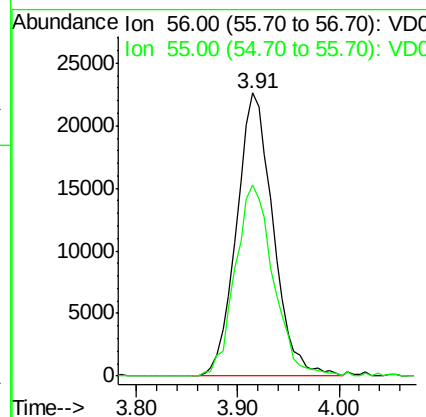
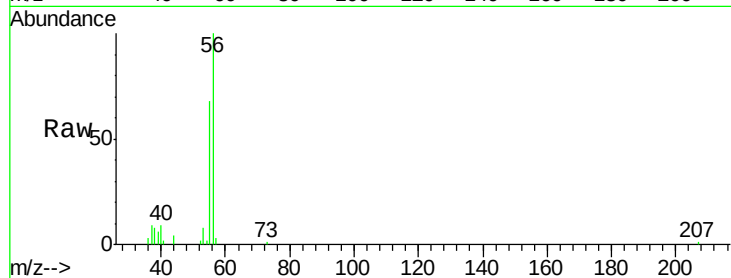
55 70.6 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 47.220 ug/l

RT: 4.70 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

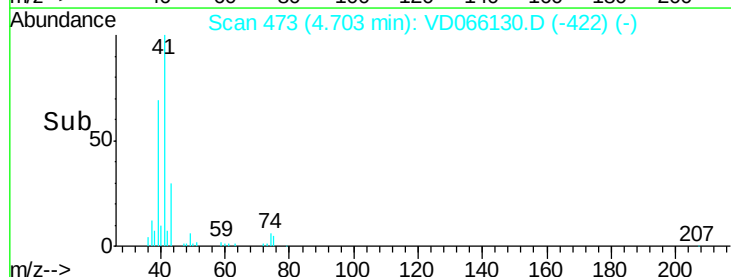
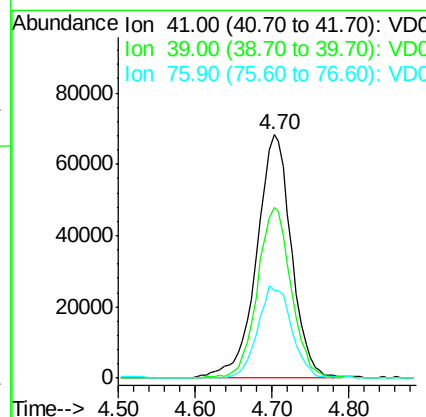
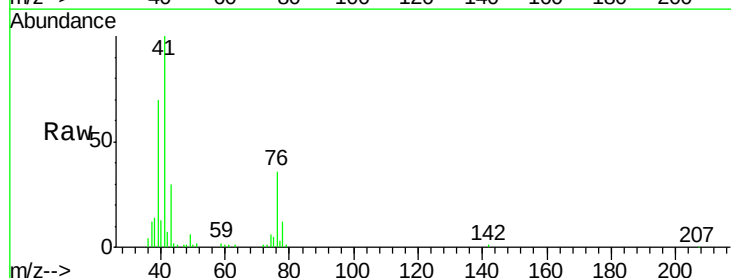
Tgt Ion: 41 Resp: 216159

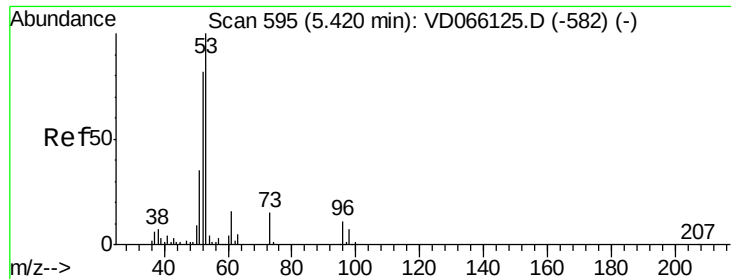
Ion Ratio Lower Upper

41 100

39 67.8 57.4 86.0

76 36.7 30.1 45.1





#15

Acrylonitrile

Concen: 227.426 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

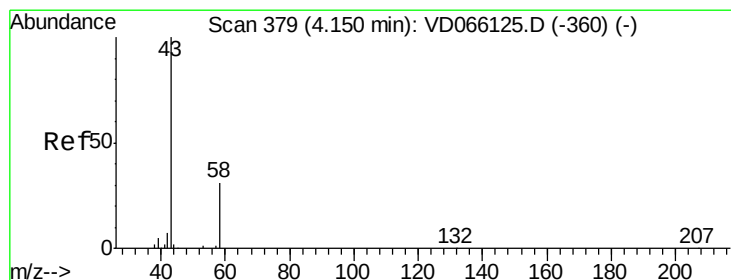
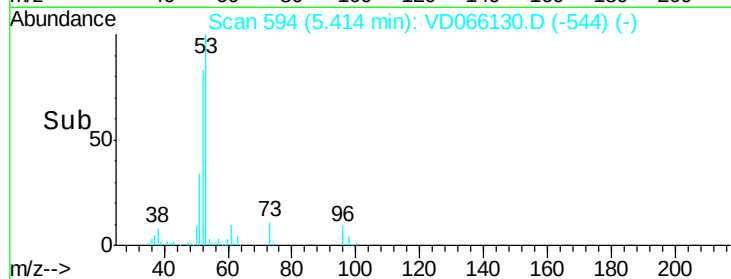
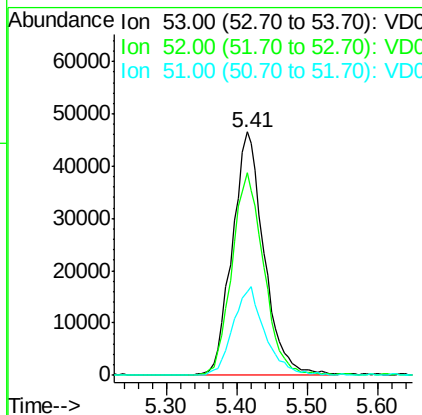
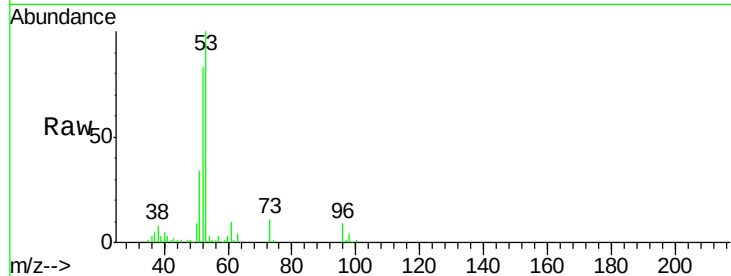
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	145947
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.1	99.1
51	36.7	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 287.373 ug/l

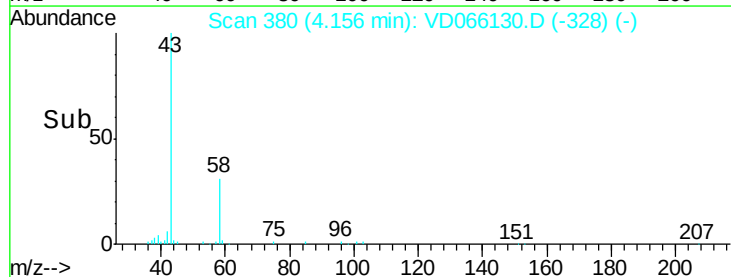
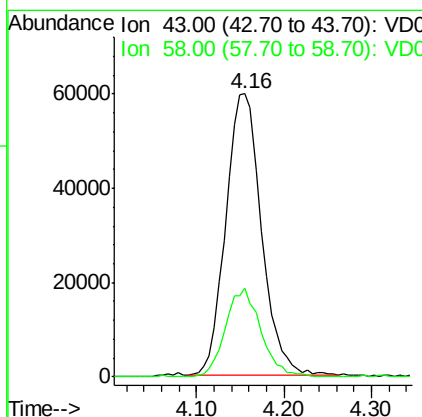
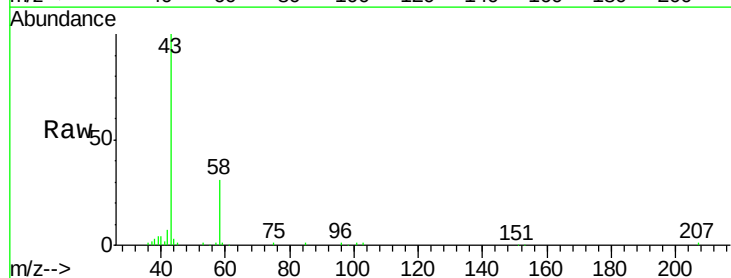
RT: 4.16 min Scan# 380

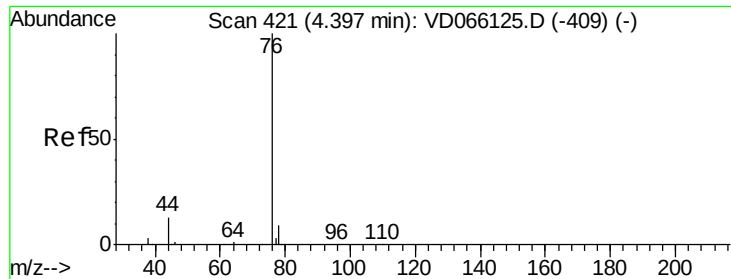
Delta R.T. 0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Tgt Ion:	43	Resp:	165977
Ion Ratio		Lower	Upper
43	100		
58	31.3	24.7	37.1





#17

Carbon Disulfide

Concen: 43.672 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 419573

Ion Ratio Lower Upper

76 100

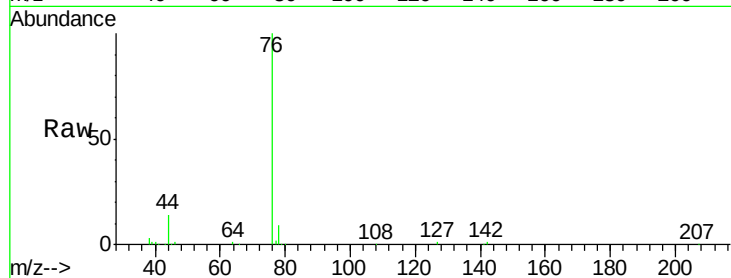
78 9.2 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

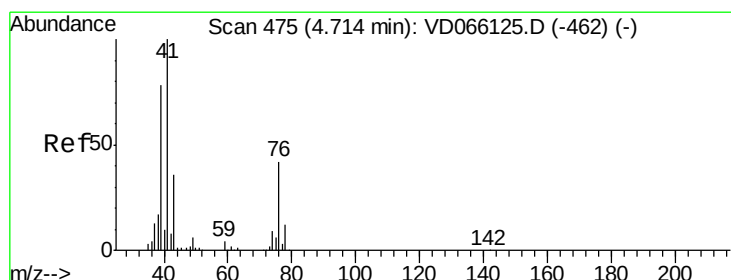
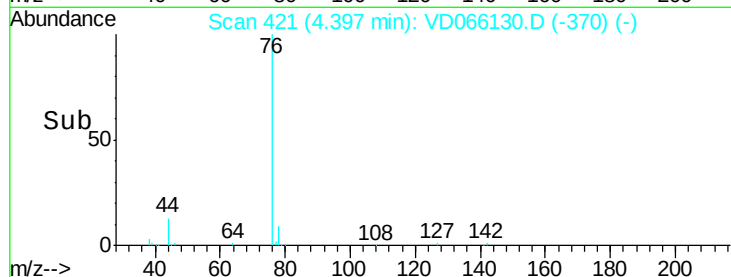
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.991 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066130.D

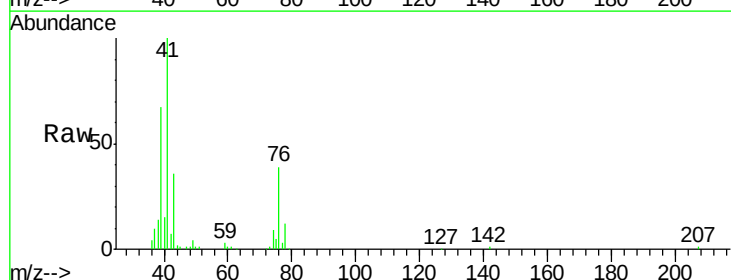
Acq: 06 Aug 2020 11:15

Tgt Ion: 43 Resp: 64537

Ion Ratio Lower Upper

43 100

74 24.8 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

25000

20000

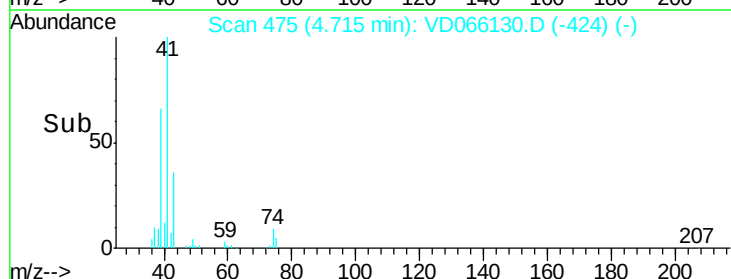
15000

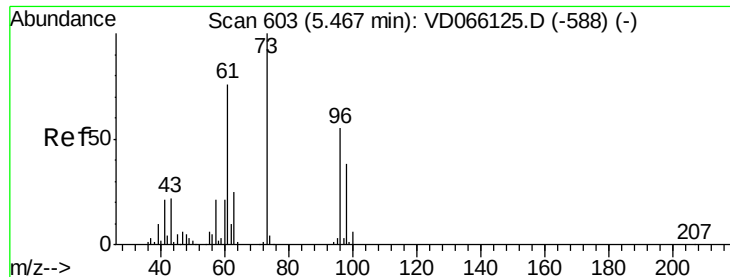
10000

5000

0

Time-->





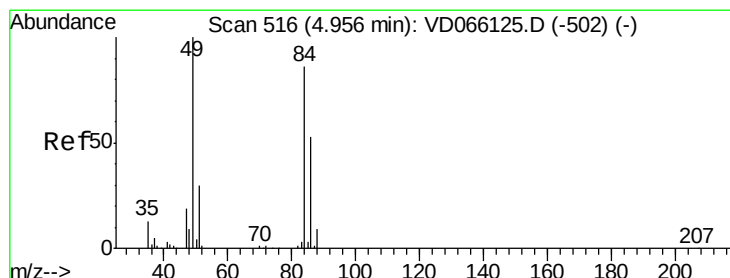
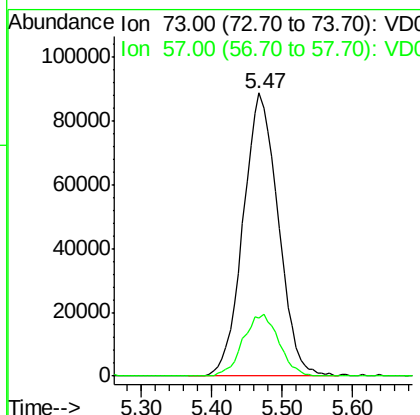
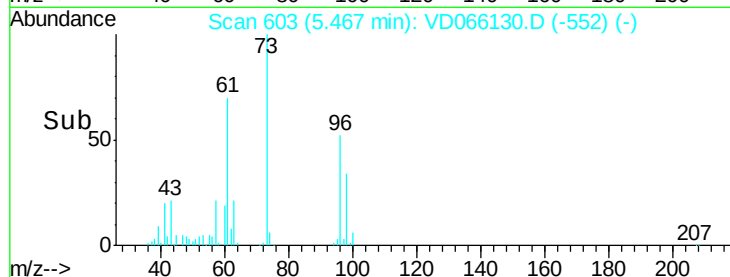
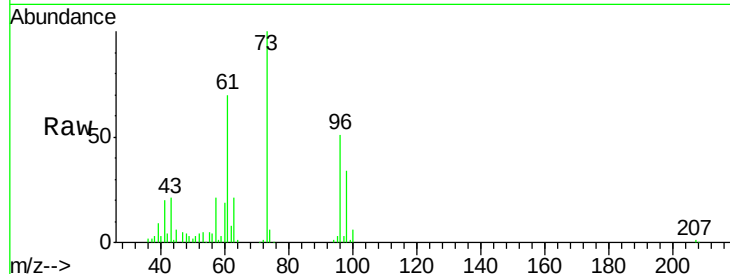
#19
Methyl tert-butyl Ether
Concen: 44.407 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 307553
Ion Ratio Lower Upper
73 100
57 20.5 17.1 25.7

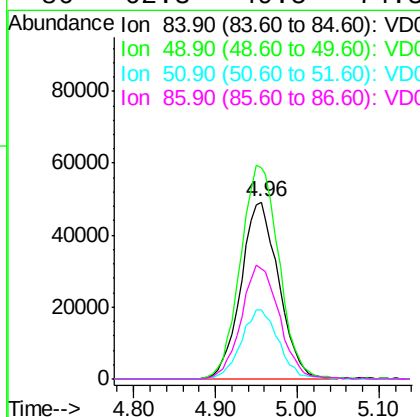
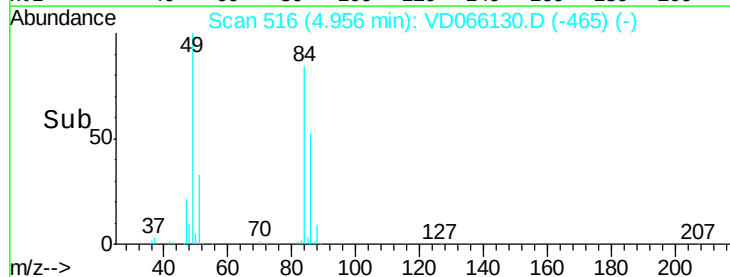
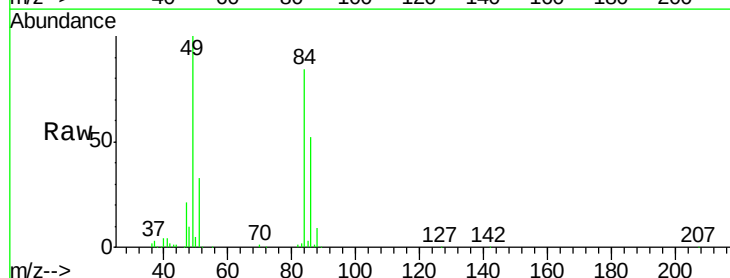
Manual Integrations
APPROVED

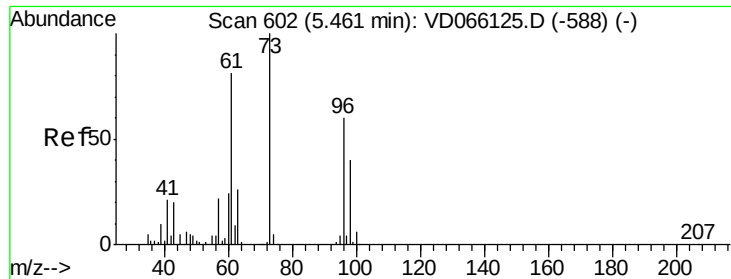
MMDadoda
8/7/2020 12:48:28 PM



#20
Methylene Chloride
Concen: 47.498 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion: 84 Resp: 158320
Ion Ratio Lower Upper
84 100
49 119.1 93.5 140.3
51 39.2 28.2 42.4
86 62.3 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 43.844 ug/l

RT: 5.46 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

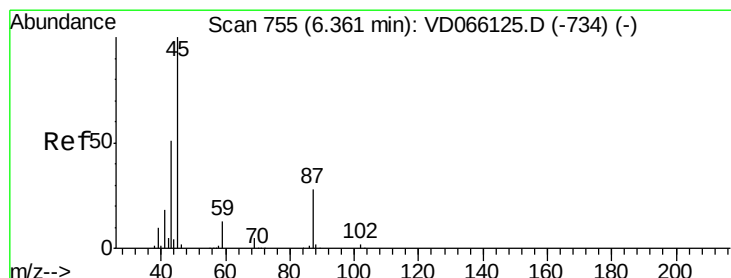
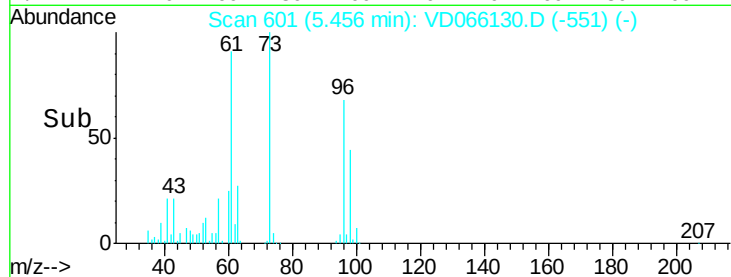
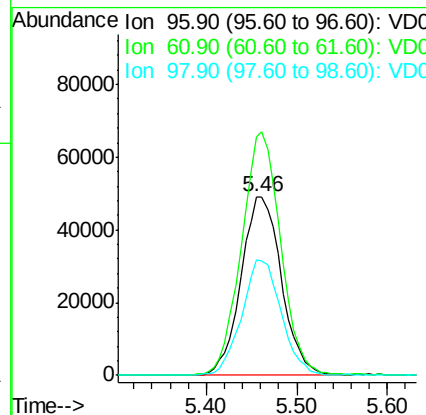
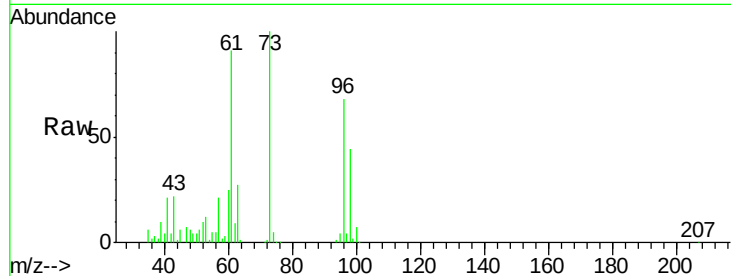
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	152189
Ion	Ratio	Lower	Upper
96	100		
61	133.4	106.9	160.3
98	64.3	53.4	80.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.461 ug/l

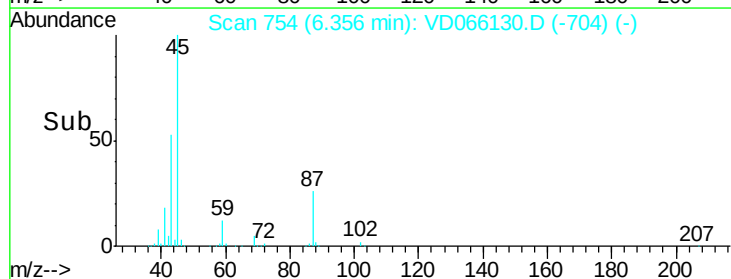
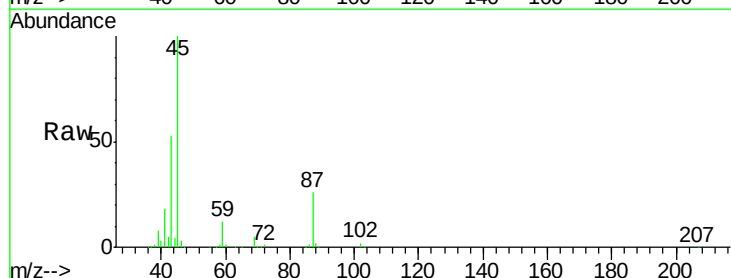
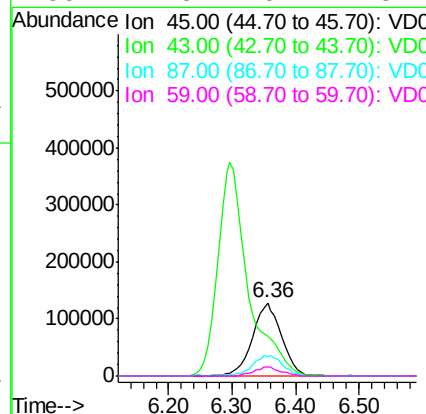
RT: 6.36 min Scan# 754

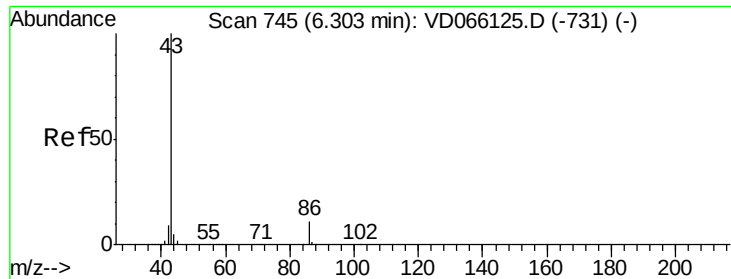
Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Tgt Ion:	45	Resp:	411535
Ion	Ratio	Lower	Upper
45	100		
43	52.5	41.2	61.8
87	26.5	22.8	34.2
59	12.3	10.2	15.2





#23

Vinyl Acetate

Concen: 237.500 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1259533

Ion Ratio Lower Upper

43 100

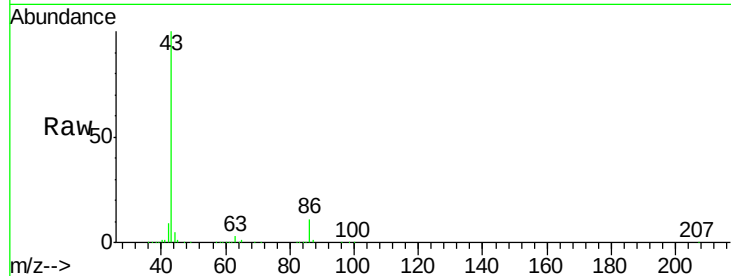
86 10.9 9.1 13.7

Manual Integrations

APPROVED

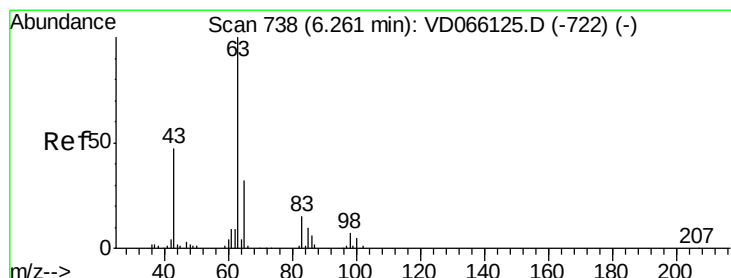
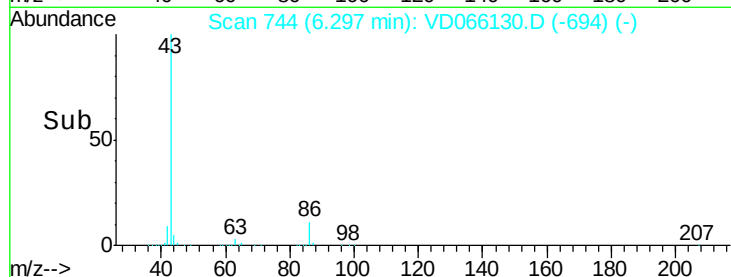
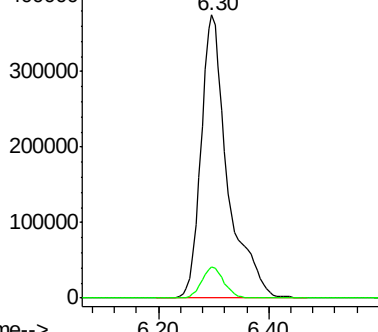
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 44.941 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

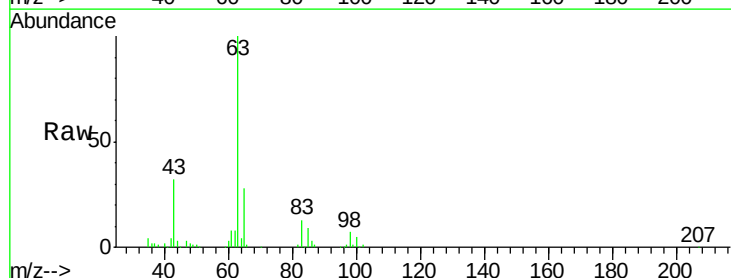
Tgt Ion: 63 Resp: 251771

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

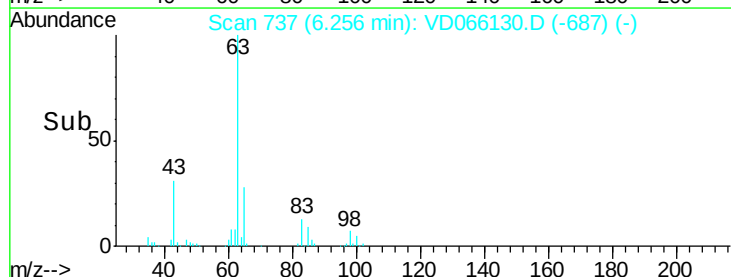
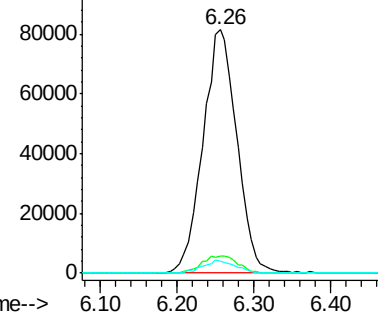
100 4.9 2.4 7.2

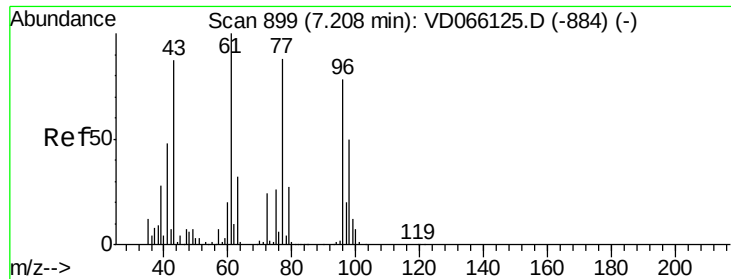


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 244.242 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 207481

Ion Ratio Lower Upper

43 100

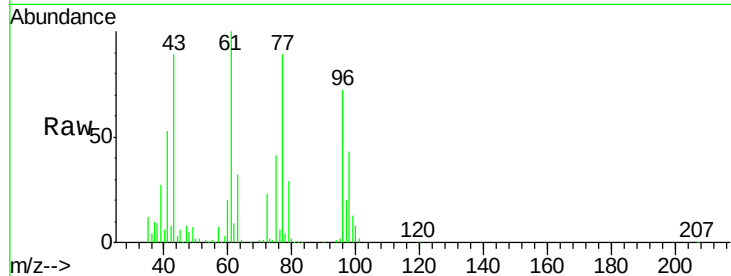
72 25.4 22.2 33.2

Manual Integrations

APPROVED

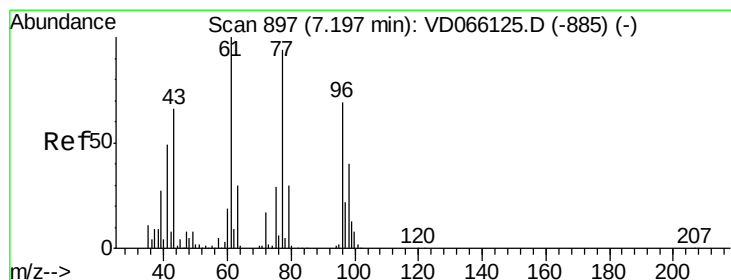
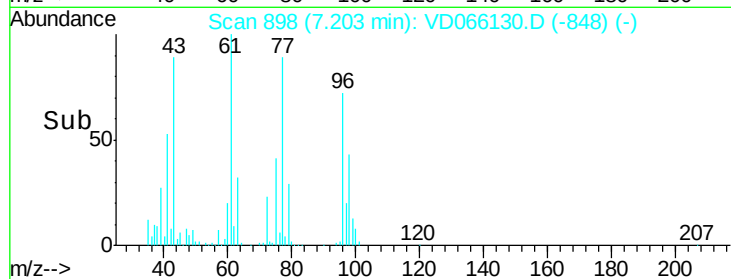
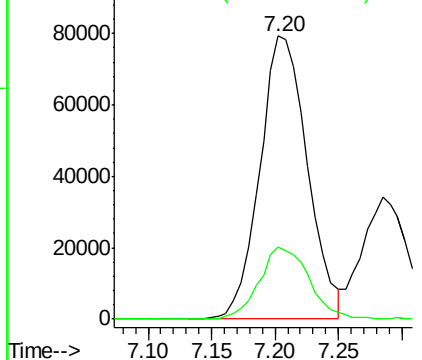
MMDadoda

8/7/2020 12:48:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.898 ug/l

RT: 7.20 min Scan# 897

Delta R.T. 0.00 min

Lab File: VD066130.D

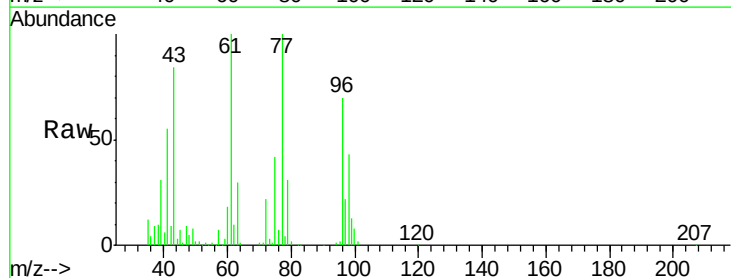
Acq: 06 Aug 2020 11:15

Tgt Ion: 77 Resp: 235478

Ion Ratio Lower Upper

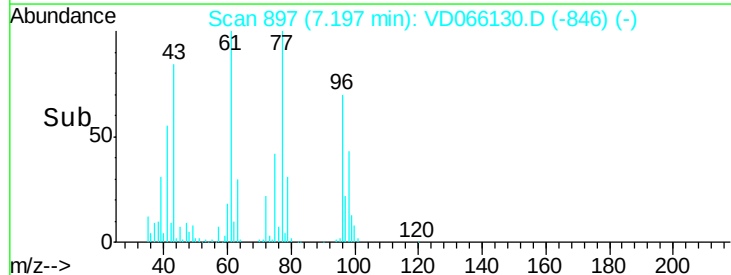
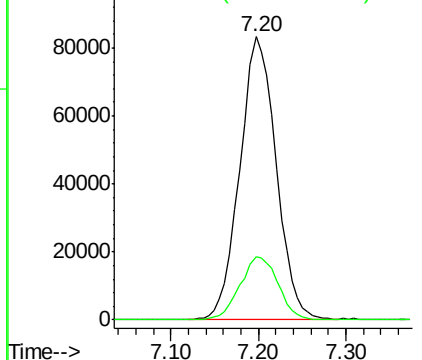
77 100

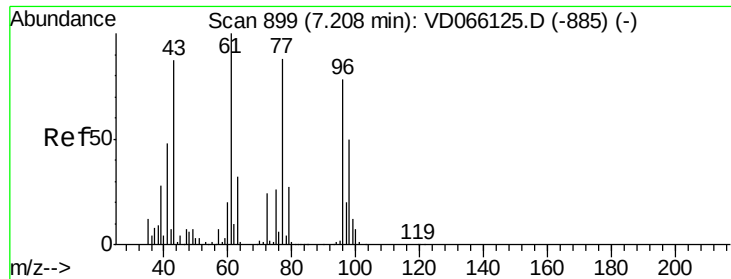
97 23.4 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

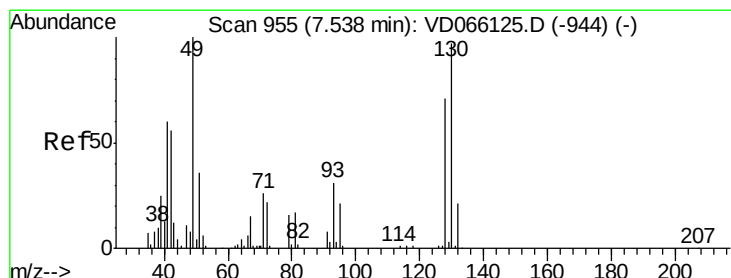
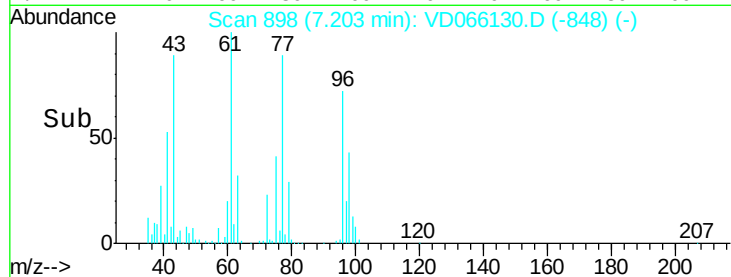
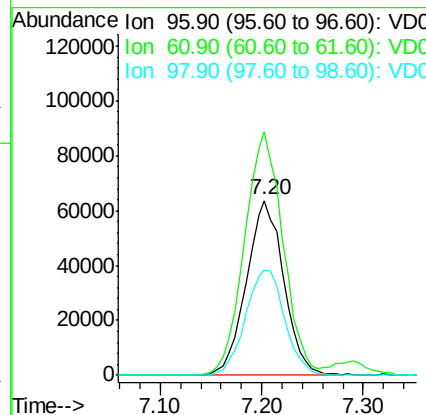
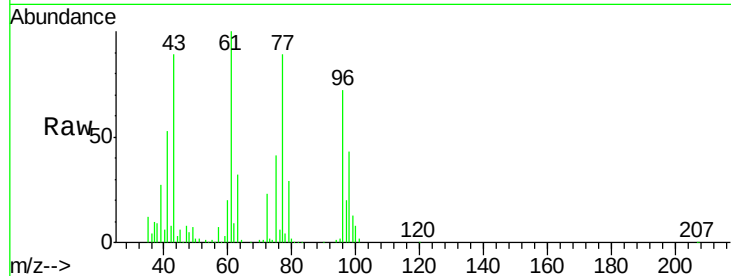
cis-1,2-Dichloroethene
 Concen: 44.980 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	163765		
61	142.9		0.0	281.6
98	63.2		0.0	130.8

Manual Integrations
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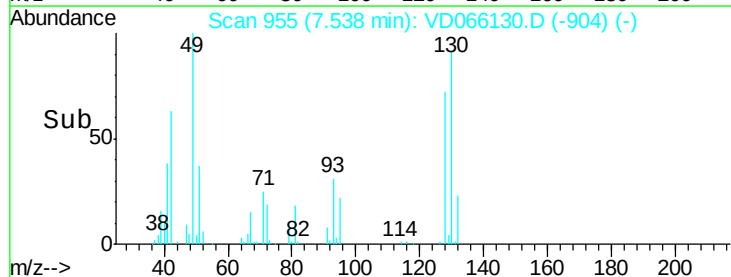
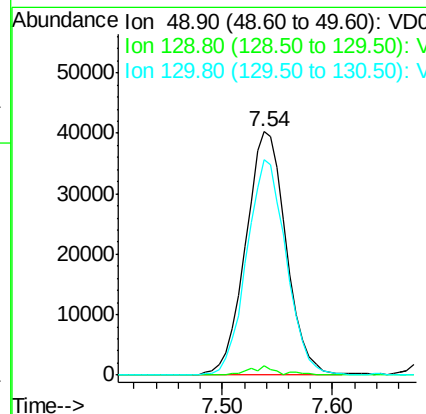
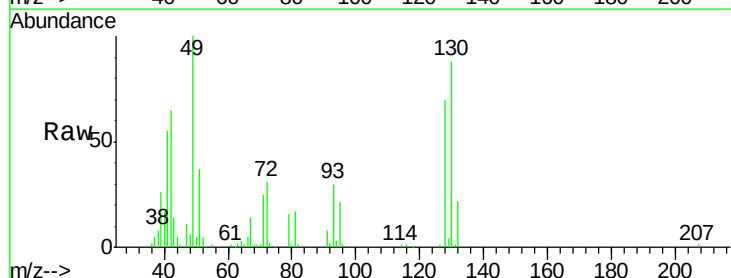
MMDadoda
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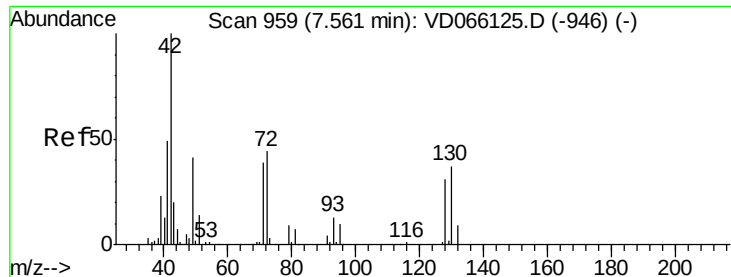


#28

Bromochloromethane
 Concen: 52.662 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	103620		
129	2.1		0.0	6.0
130	86.6		73.8	110.6





#29

Tetrahydrofuran

Concen: 235.610 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

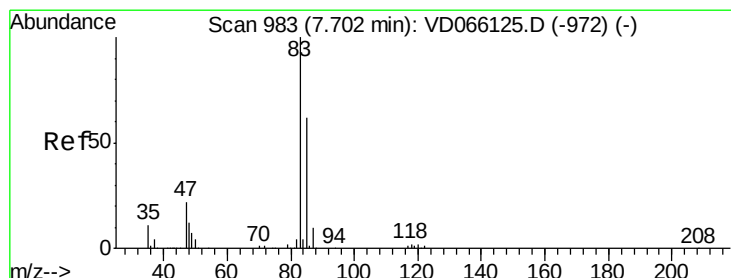
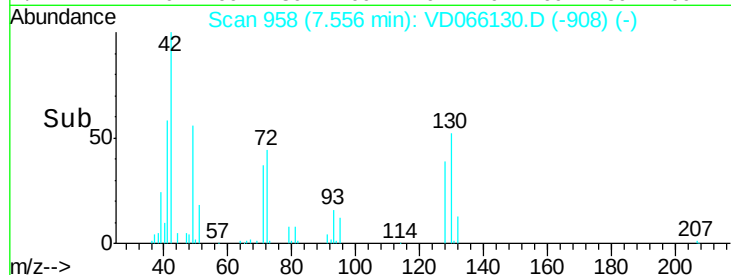
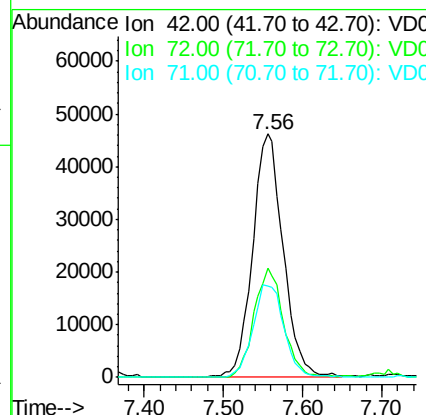
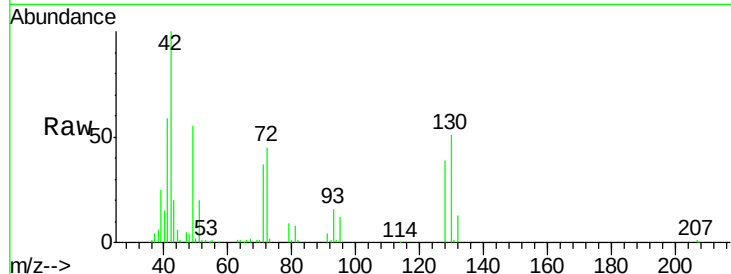
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	124005
Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.8	52.2
71	38.8	33.5	50.3

Manual Integrations
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#30

Chloroform

Concen: 43.596 ug/l

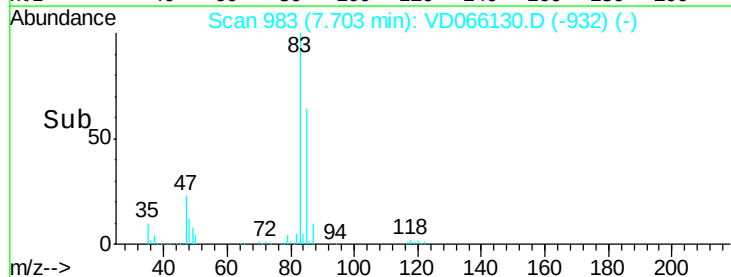
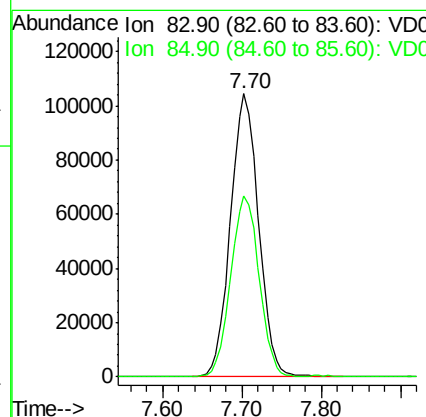
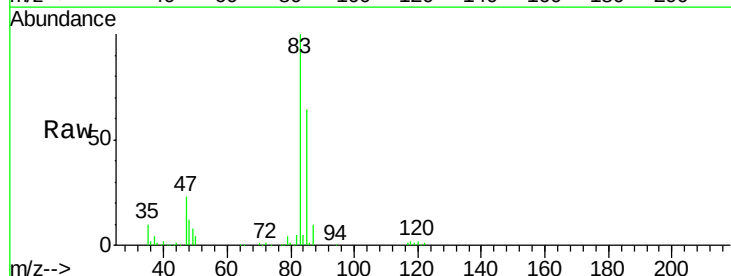
RT: 7.70 min Scan# 983

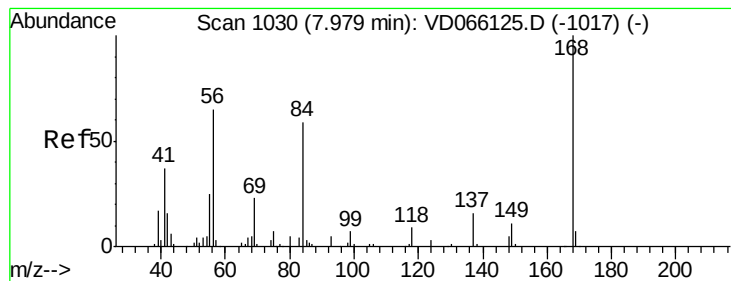
Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Tgt Ion:	83	Resp:	256457
Ion	Ratio	Lower	Upper
83	100		
85	64.0	49.5	74.3





#31

Cyclohexane

Concen: 45.073 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

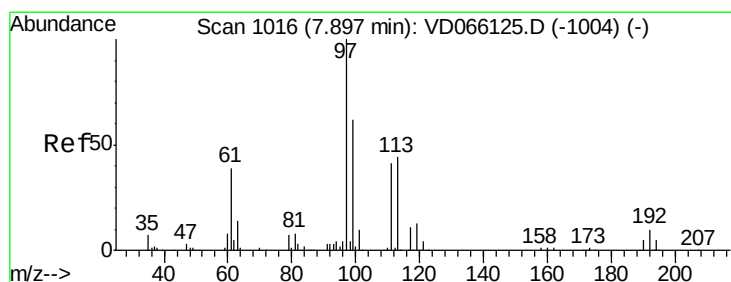
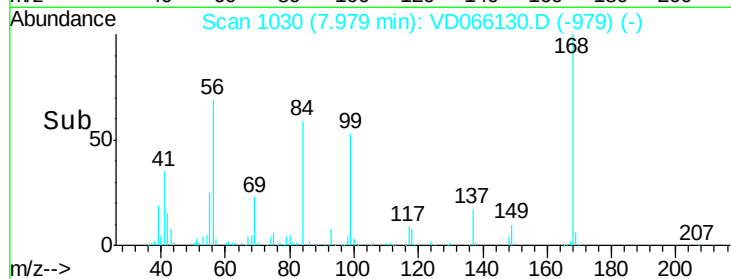
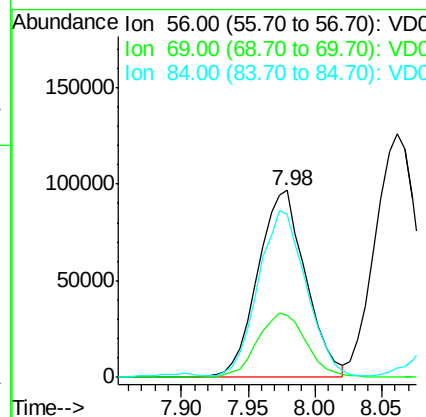
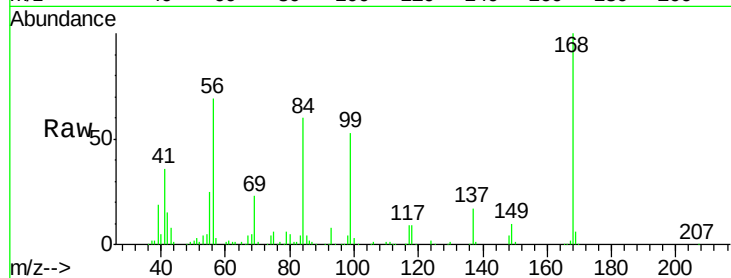
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	240366
Ion Ratio	Lower	Upper	
56	100		
69	33.2	28.8	43.2
84	86.1	73.0	109.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 43.773 ug/l

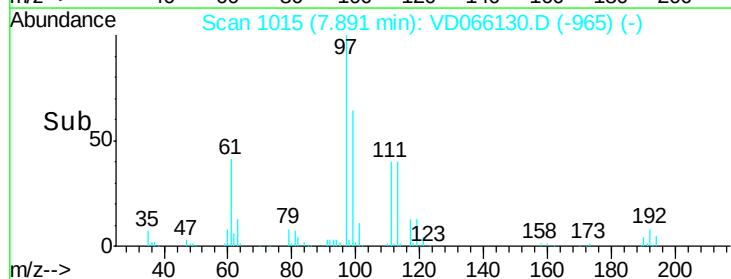
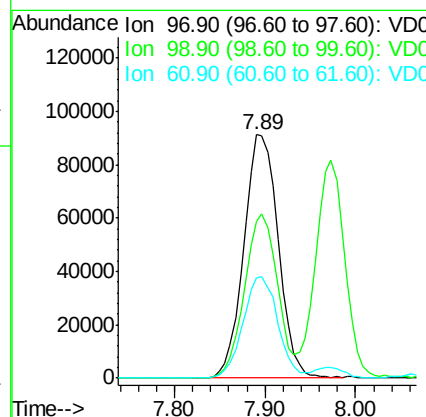
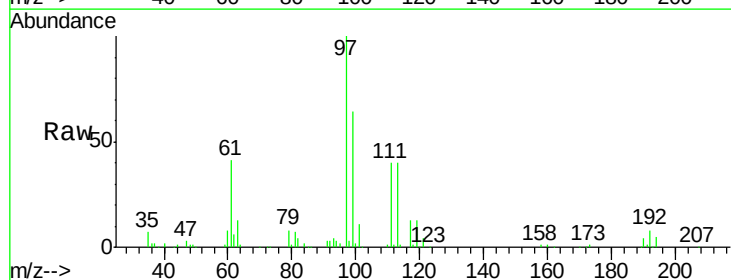
RT: 7.89 min Scan# 1015

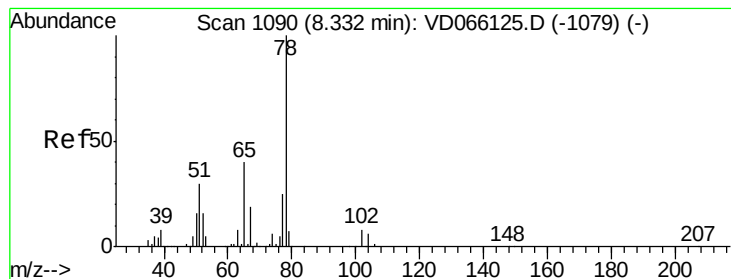
Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Tgt Ion:	97	Resp:	241430
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.1	76.7
61	42.0	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 50.847 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 154775

Ion Ratio Lower Upper

65 100

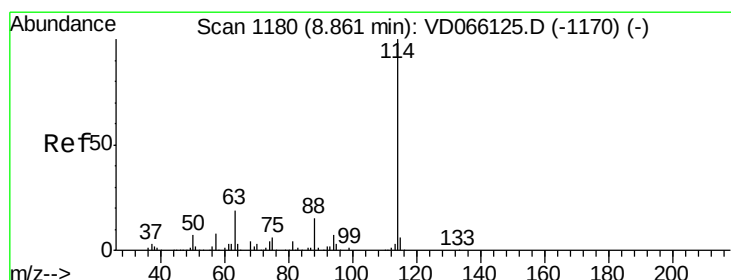
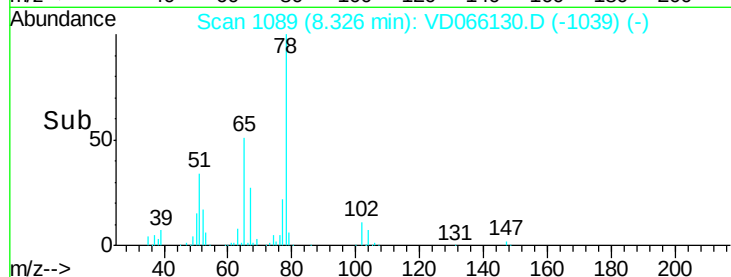
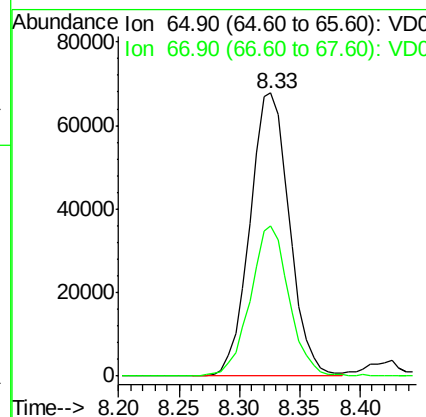
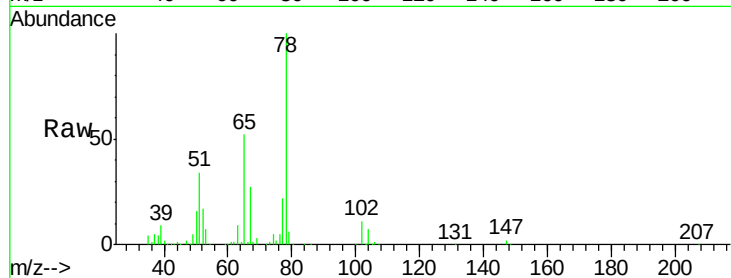
67 51.9 0.0 104.6

Manual Integrations

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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: VD066130.D

Acq: 06 Aug 2020 11:15

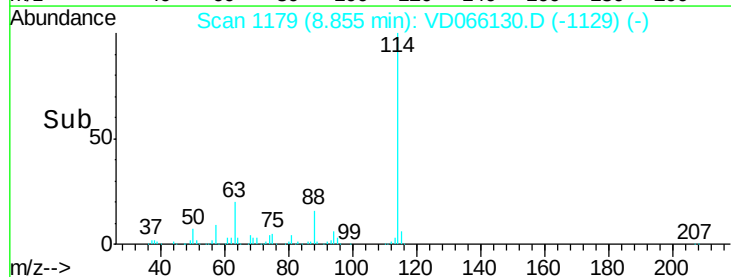
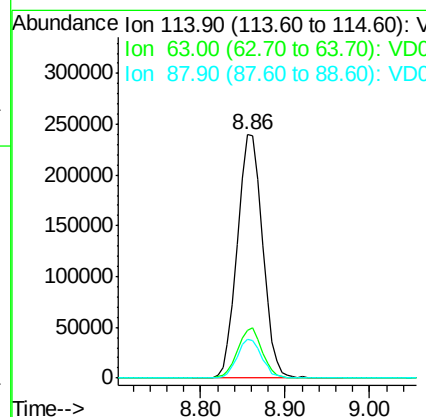
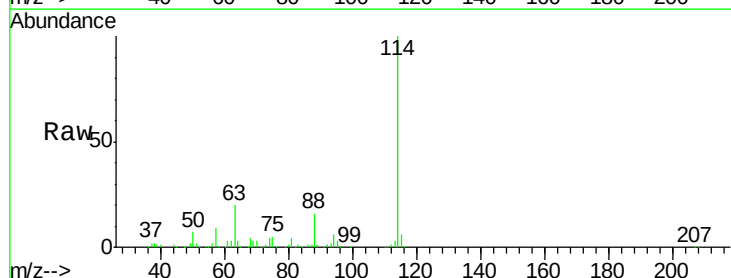
Tgt Ion: 114 Resp: 493619

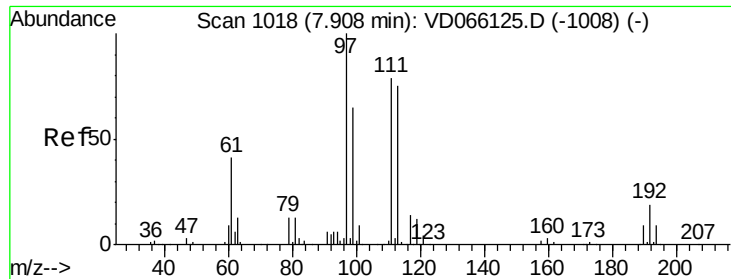
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.6

88 16.0 0.0 30.0





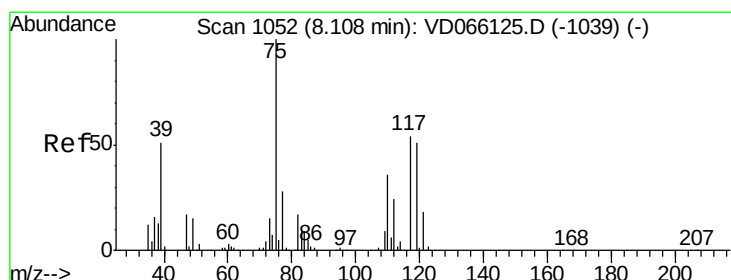
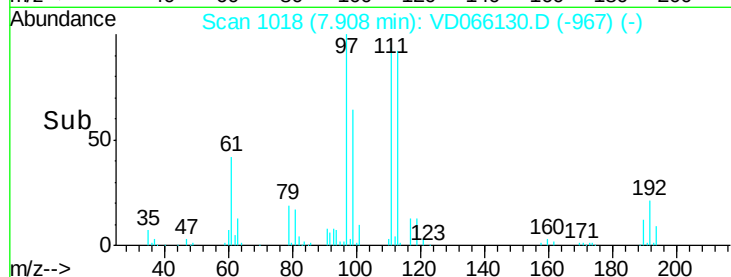
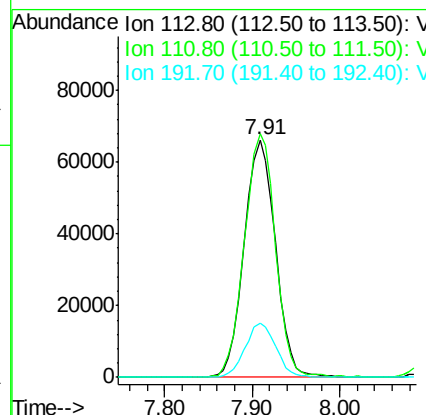
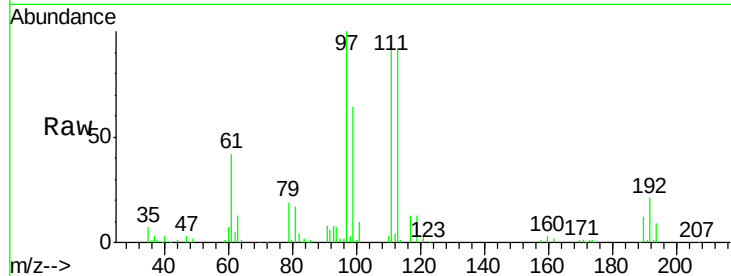
#35
 Dibromofluoromethane
 Concen: 51.175 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	160026		
111	101.6	80.7	121.1	
192	22.5	18.4	27.6	

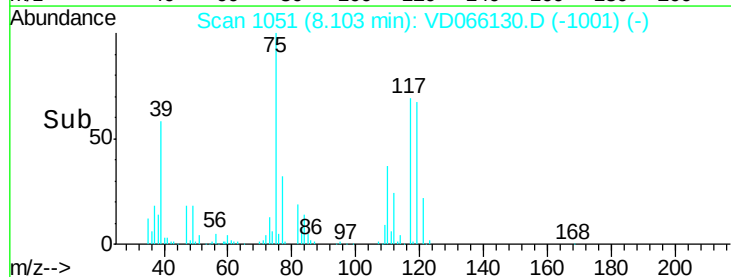
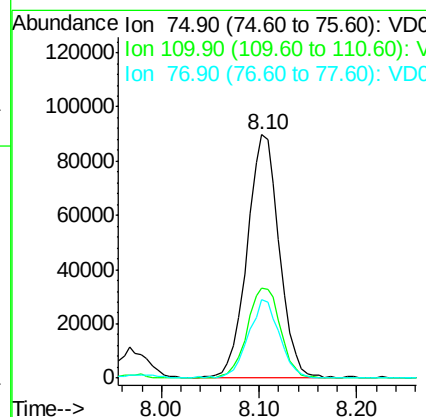
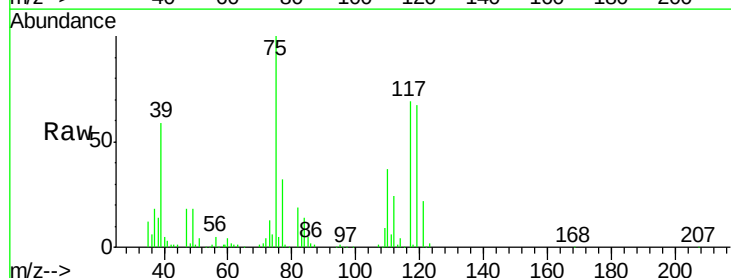
Manual Integrations
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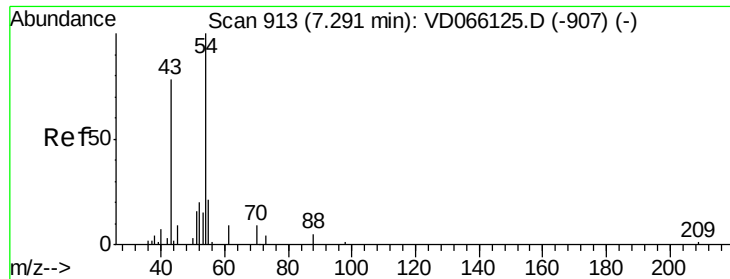
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 44.375 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	205835		
110	38.5	18.8	56.3	
77	31.6	24.2	36.2	





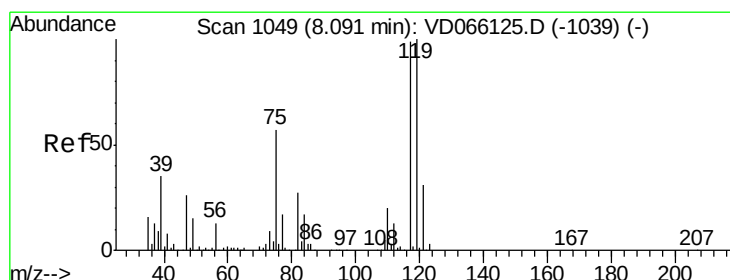
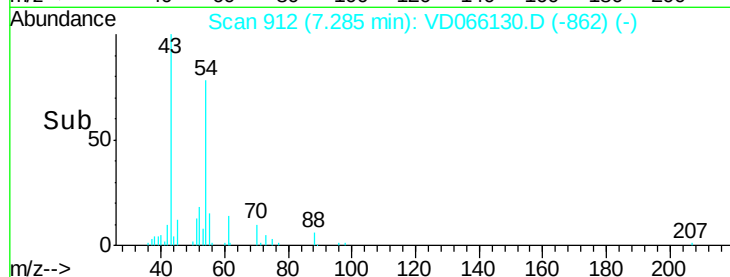
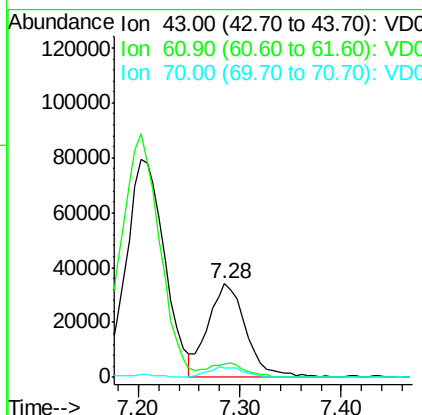
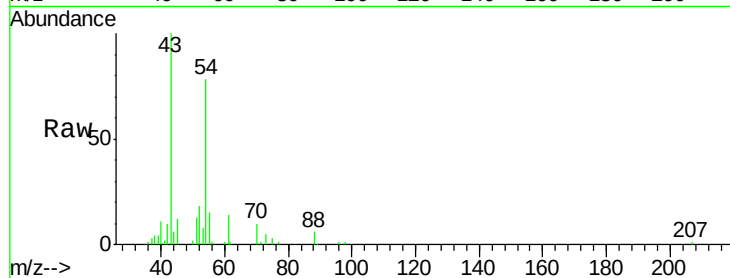
#37
Ethyl Acetate
Concen: 47.542 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.0	18.0
70	10.6	9.7	14.5

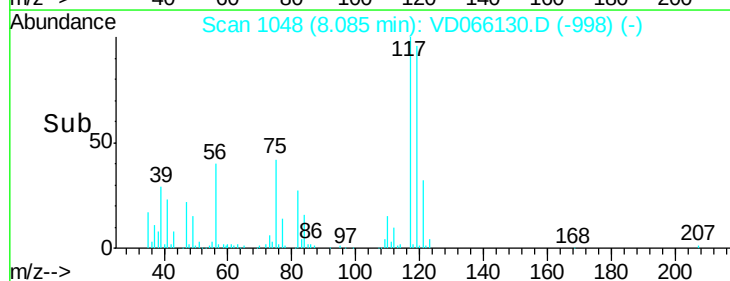
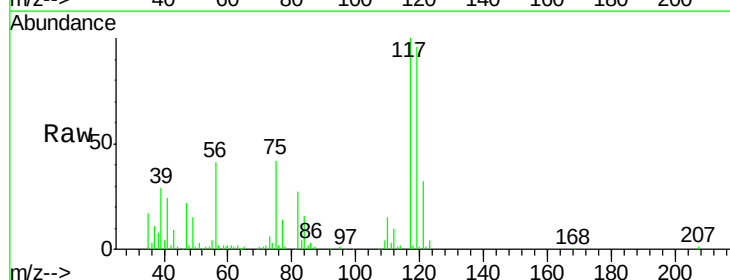
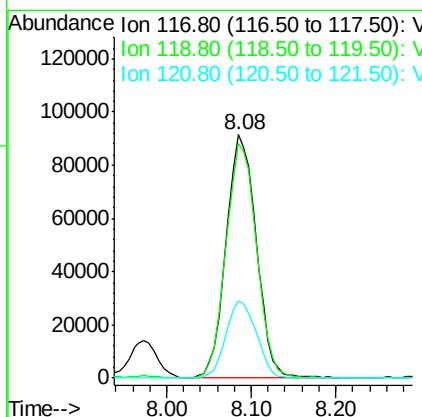
Manual Integrations
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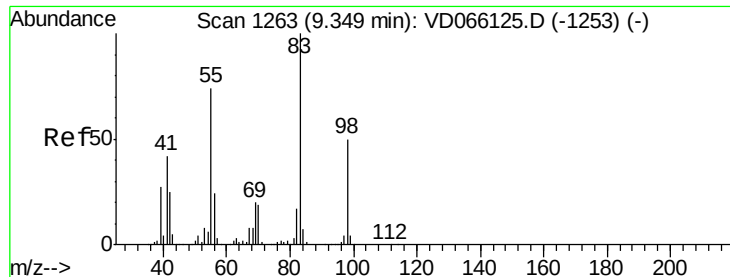
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#38
Carbon Tetrachloride
Concen: 43.420 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	81.0	121.4
121	31.8	24.8	37.2





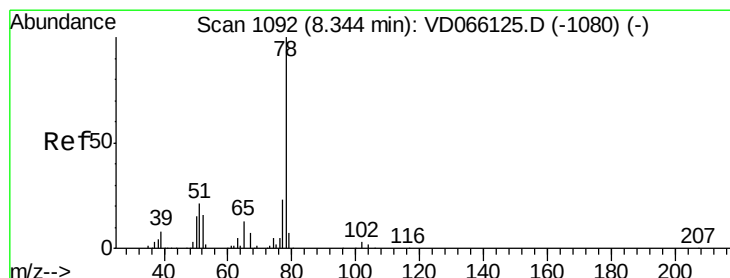
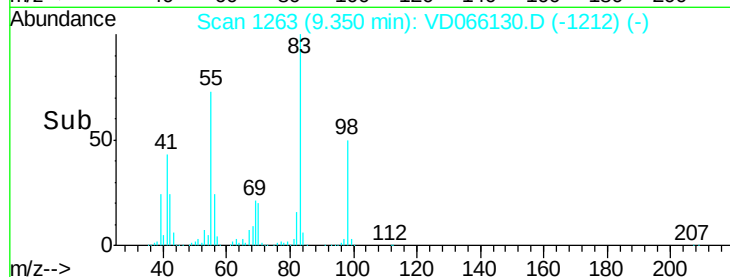
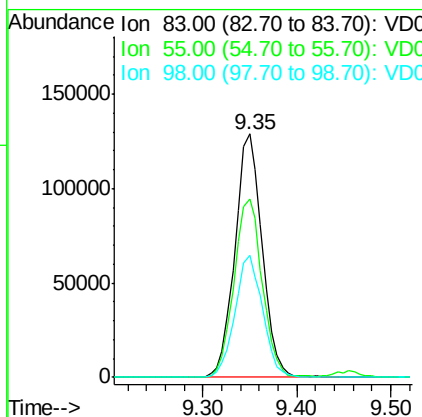
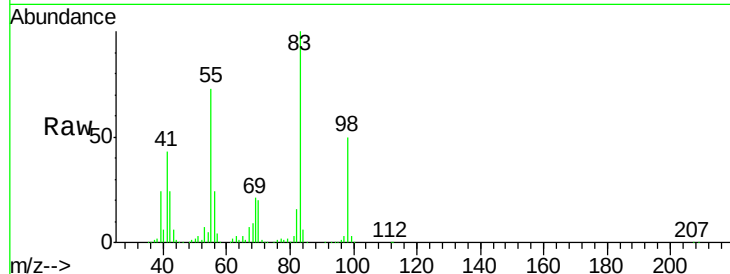
#39
Methylvlcyclohexane
Concen: 46.242 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	259291		
55	73.3		59.2	88.8
98	50.2		39.8	59.6

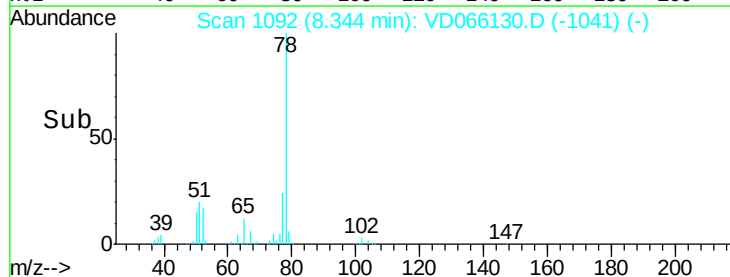
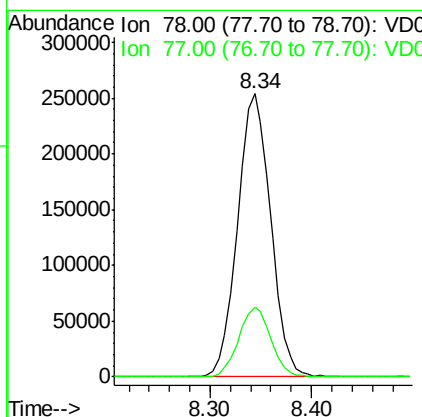
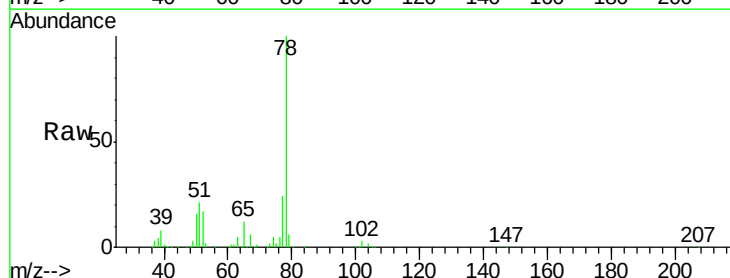
Manual Integrations
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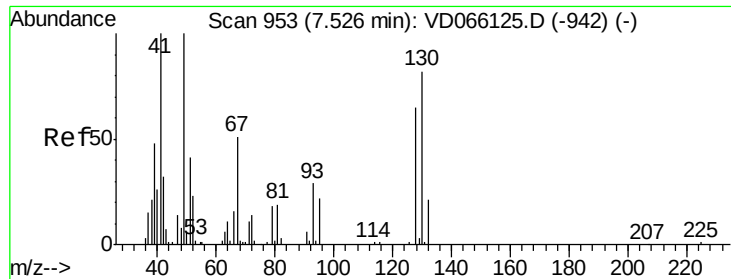
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#40
Benzene
Concen: 44.698 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	575155		
77	24.4		18.6	27.8





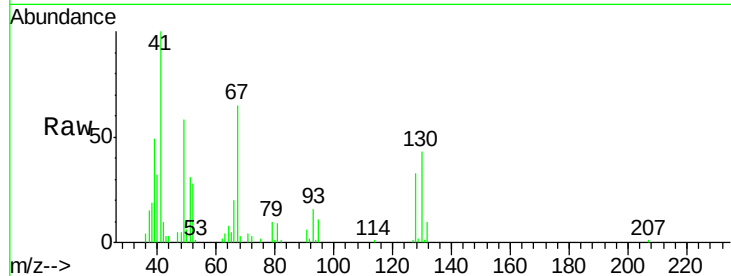
#41
Methacrylonitrile
Concen: 42.634 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

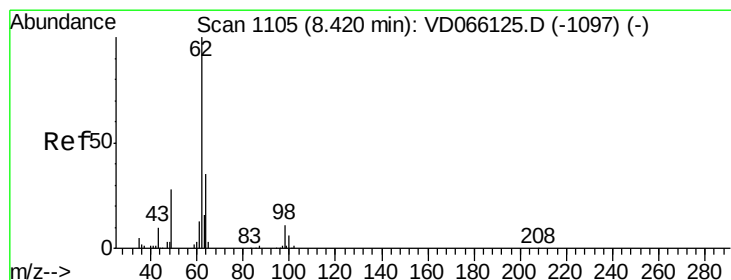
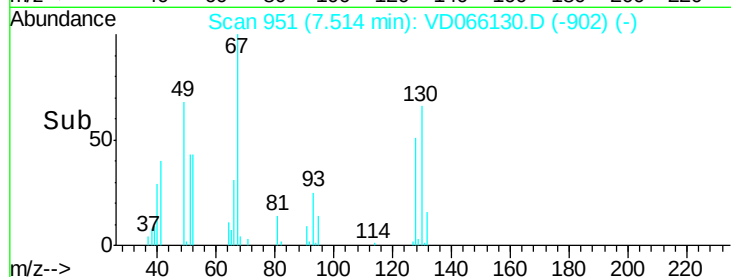
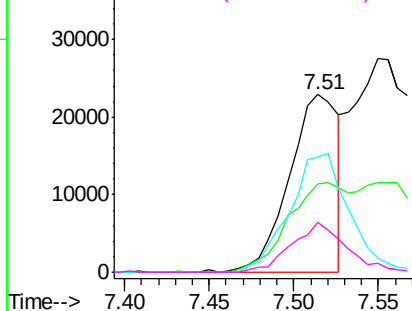
Tot Ion	41	Resp	46070
Ion	Ratio	Lower	Upper
41	100		
39	60.5	47.5	71.3
67	80.7	59.1	88.7
52	31.1	25.4	38.0

Manual Integrations
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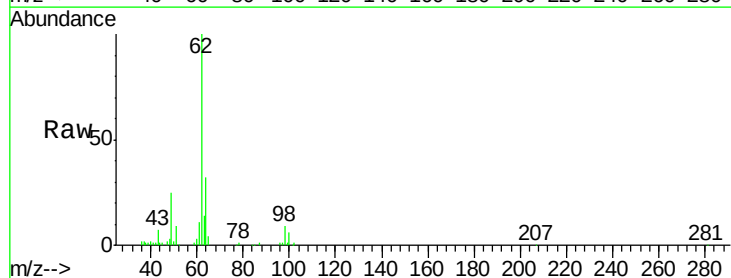


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

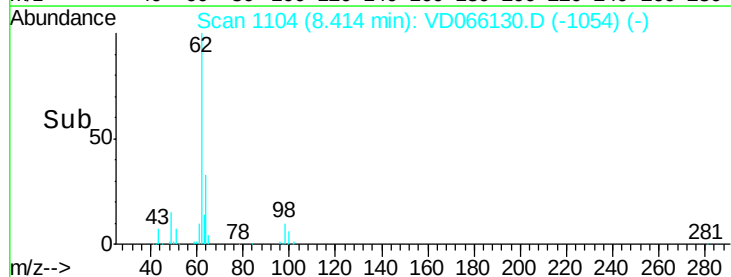
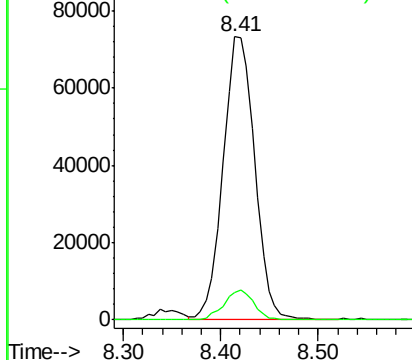


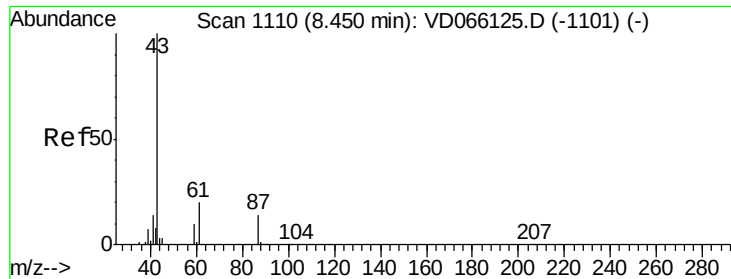
#42
1,2-Dichloroethane
Concen: 43.523 ug/l
RT: 8.41 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion	62	Resp	164523
Ion	Ratio	Lower	Upper
62	100		
98	10.0	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: 46.039 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

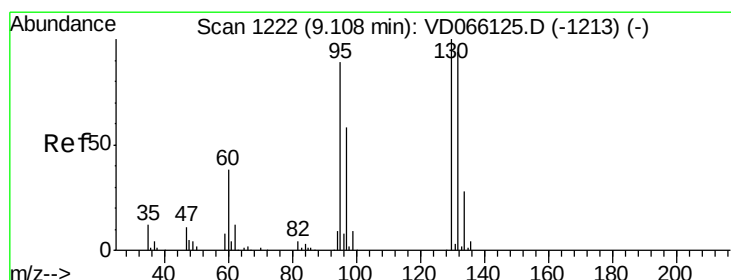
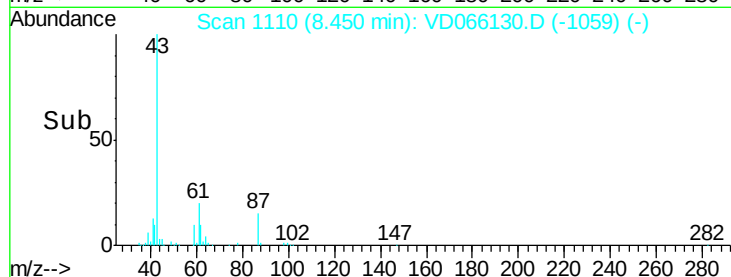
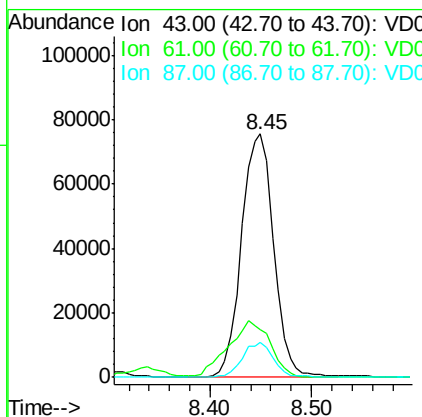
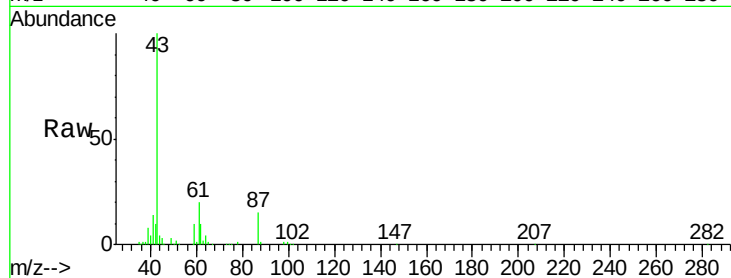
ClientSampleId :

VSTDCCC050

Tot Ion	43	Resp	166713
Ion	Ratio	Lower	Upper
43	100		
61	30.4	25.5	38.3
87	13.7	11.2	16.8

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#44

Trichloroethene

Concen: 44.350 ug/l

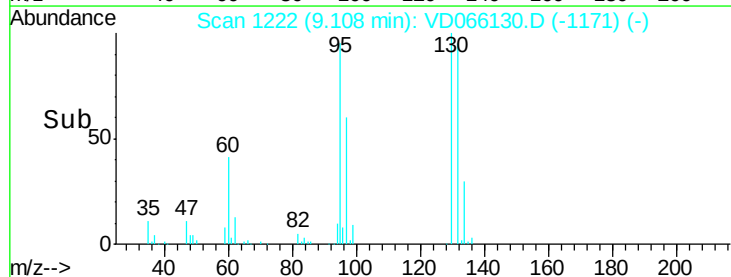
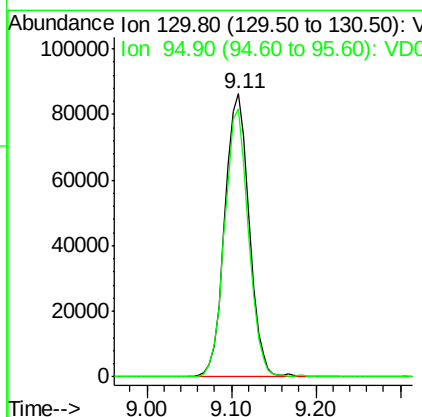
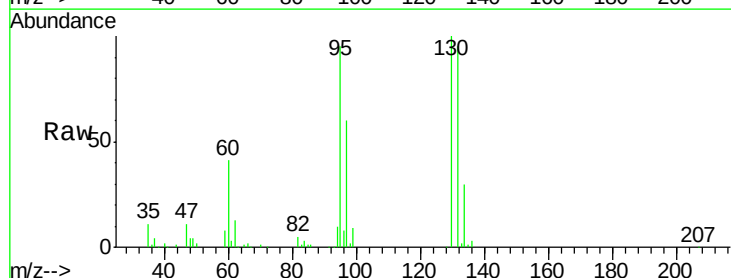
RT: 9.11 min Scan# 1222

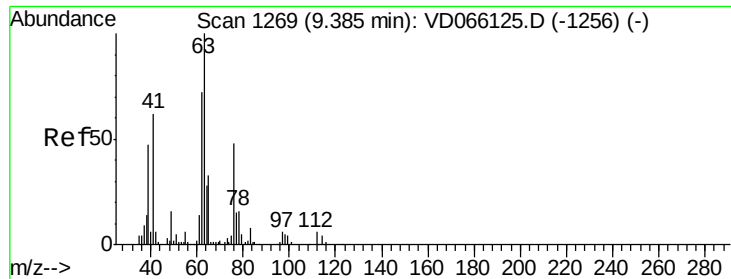
Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Tgt Ion	130	Resp	171966
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	178.4





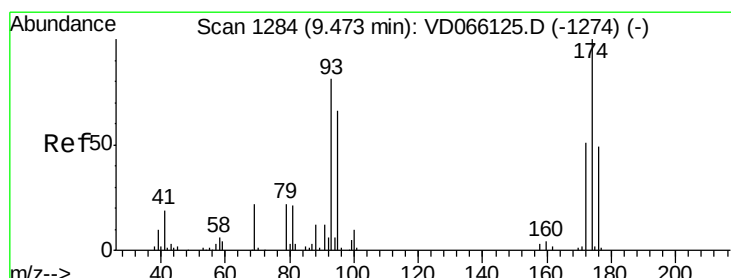
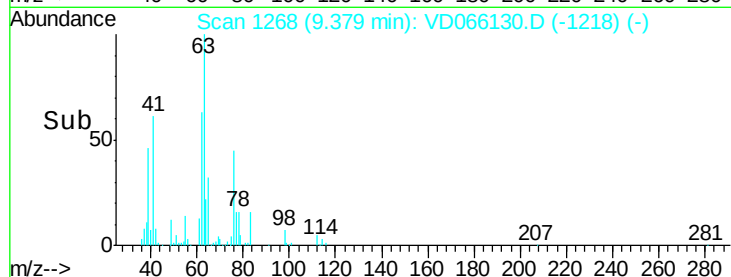
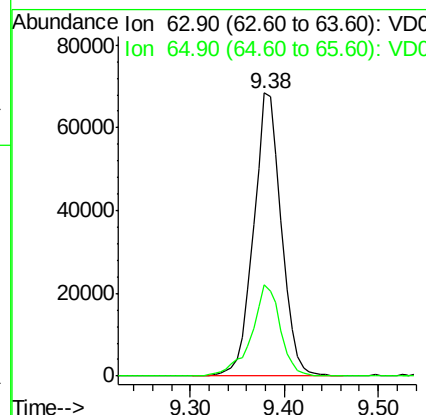
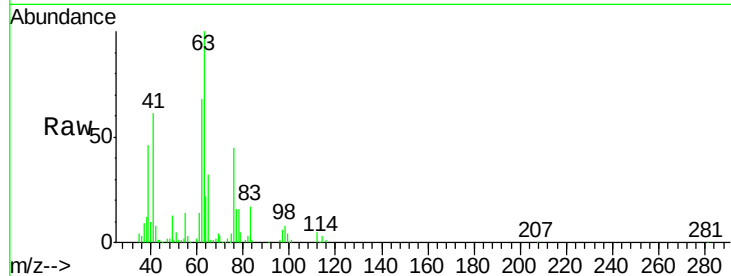
#45
 1,2-Dichloropropane
 Concen: 44.284 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	26.5	39.7

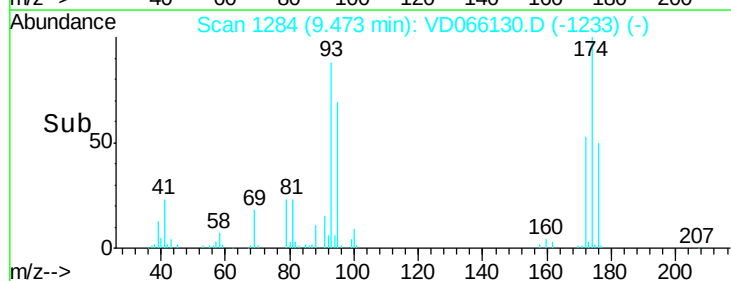
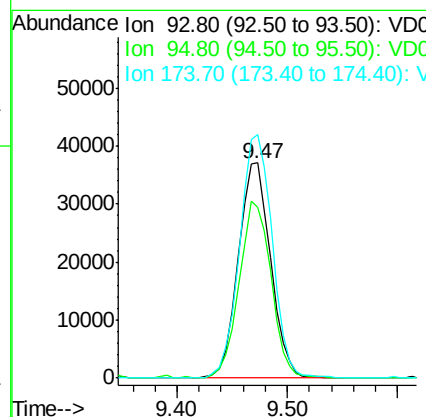
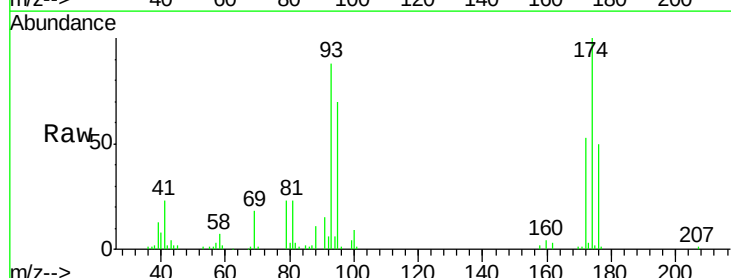
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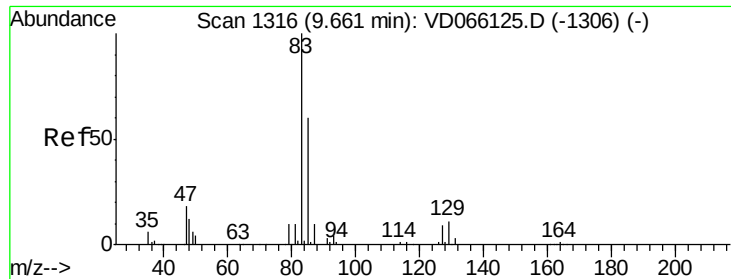
MMDadoda
 8/7/2020 12:48:28 PM



#46
 Dibromomethane
 Concen: 44.203 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.8	98.6
174	114.1	92.8	139.2





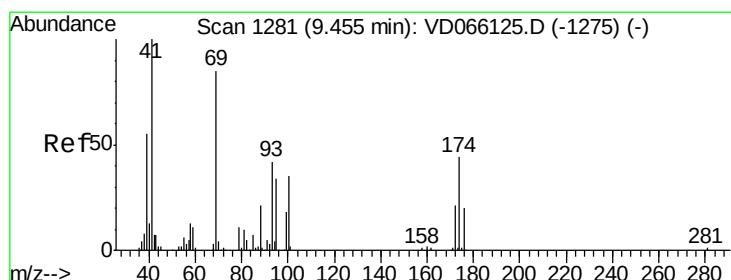
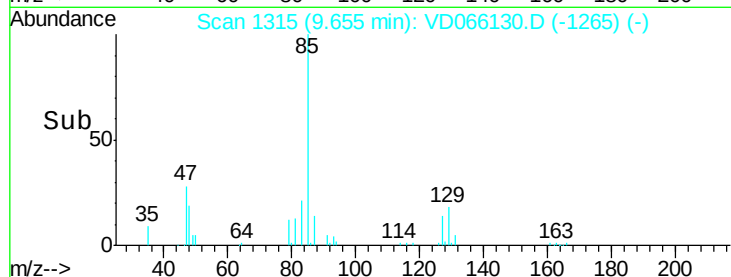
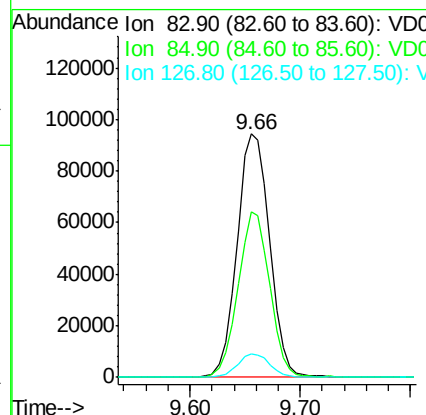
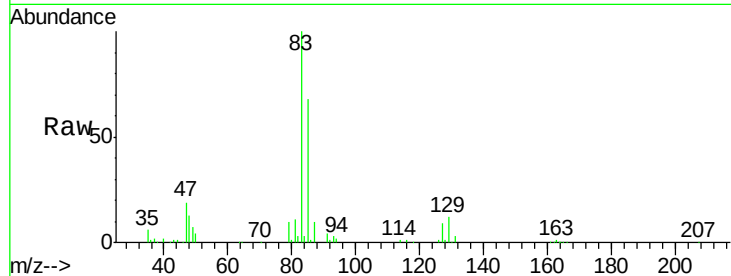
#47
Bromodichloromethane
Concen: 42.654 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	195424
Ion Ratio	100	Lower	Upper
83	100		
85	67.8	48.2	72.4
127	9.5	7.3	10.9

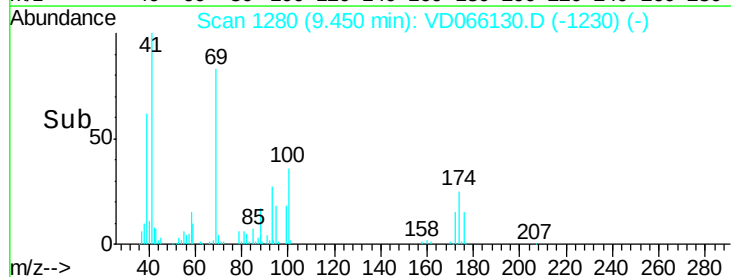
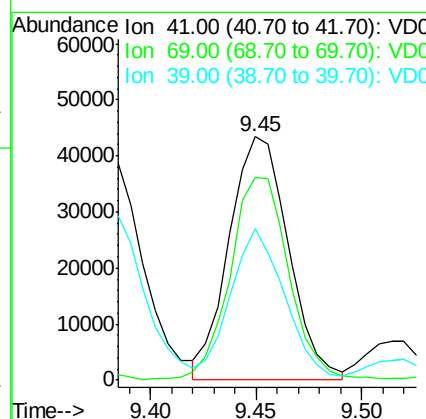
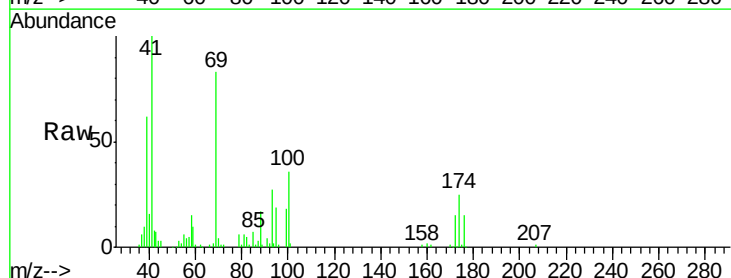
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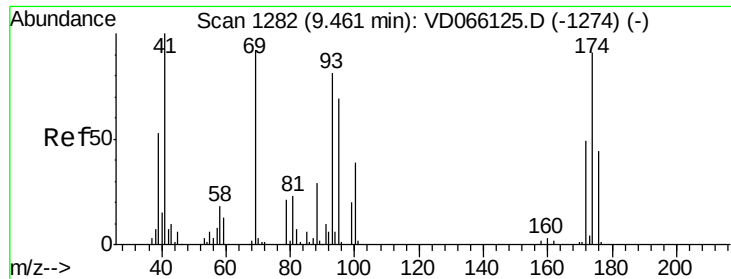
MMDadoda
8/7/2020 12:48:28 PM



#48
Methyl methacrylate
Concen: 45.486 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion	41	Resp	84103
Ion Ratio	100	Lower	Upper
41	100		
69	83.6	63.9	95.9
39	54.4	42.6	64.0





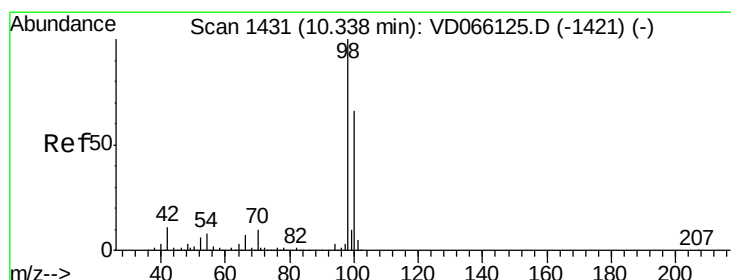
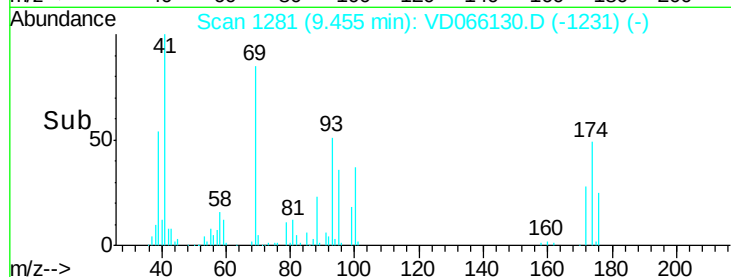
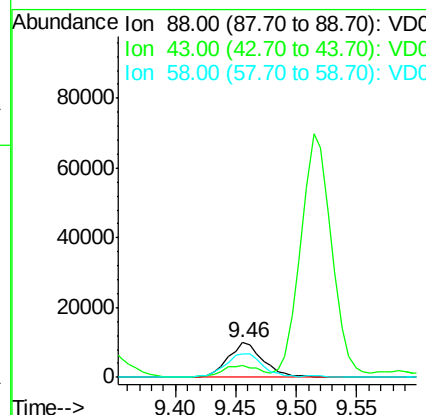
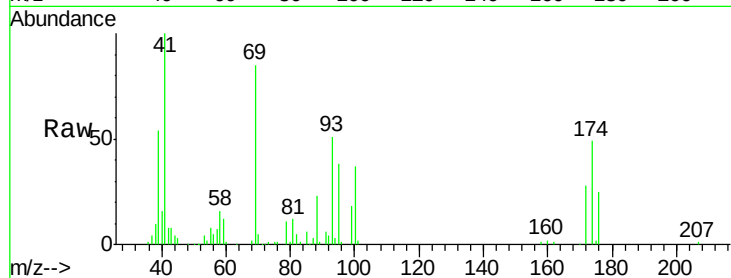
#49
1,4-Dioxane
Concen: 893.672 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	27.5	41.3
58	74.3	50.2	75.4

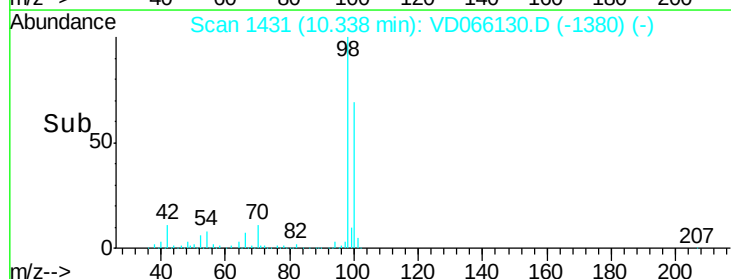
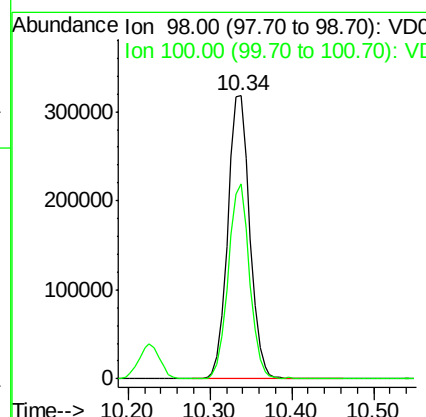
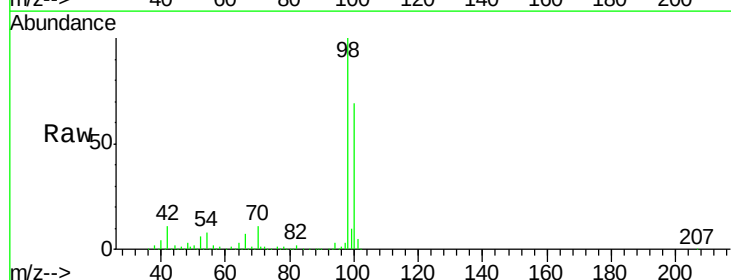
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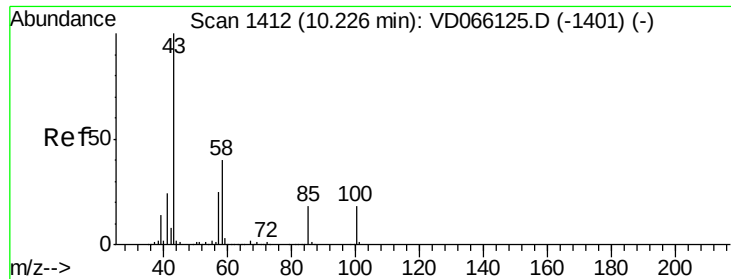
MMDadoda
8/7/2020 12:48:28 PM



#50
Toluene-d8
Concen: 51.617 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 224.678 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 417902

Ion Ratio Lower Upper

43 100

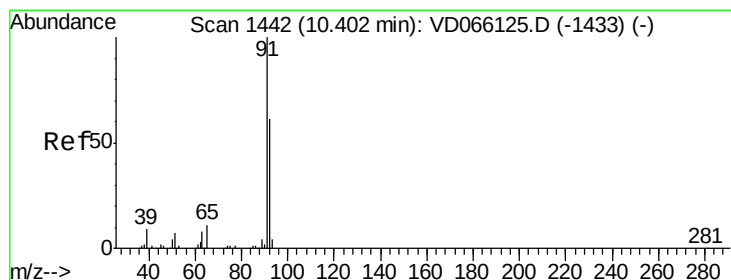
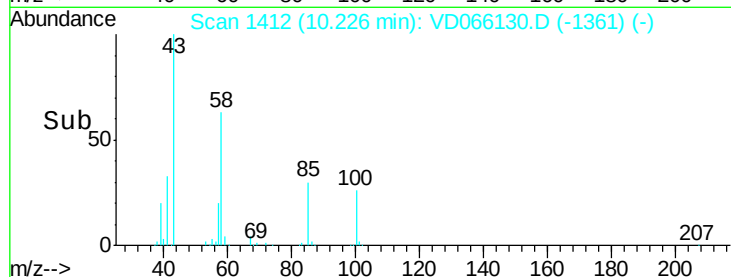
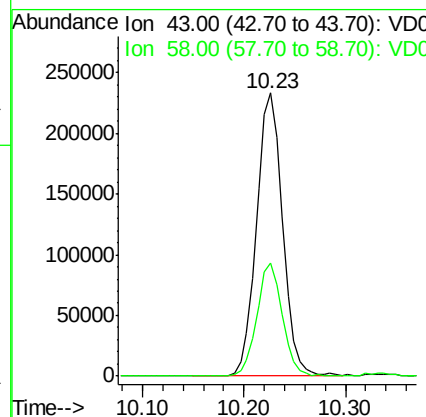
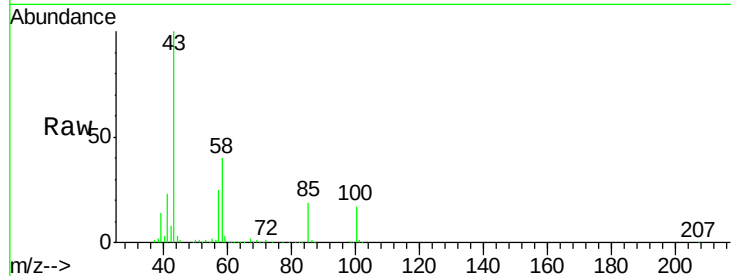
58 39.2 31.1 46.7

Manual Integrations

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#52

Toluene

Concen: 43.763 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066130.D

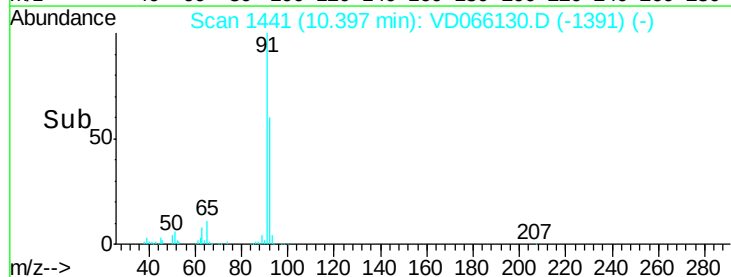
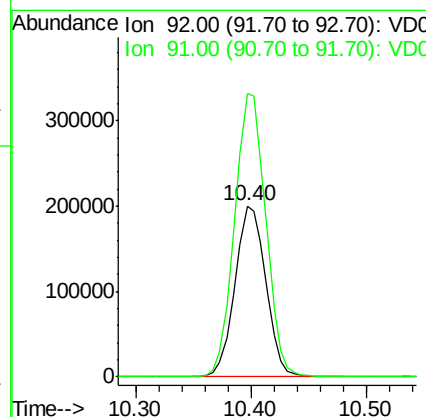
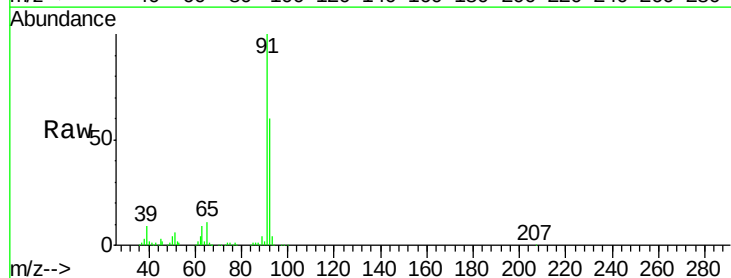
Acq: 06 Aug 2020 11:15

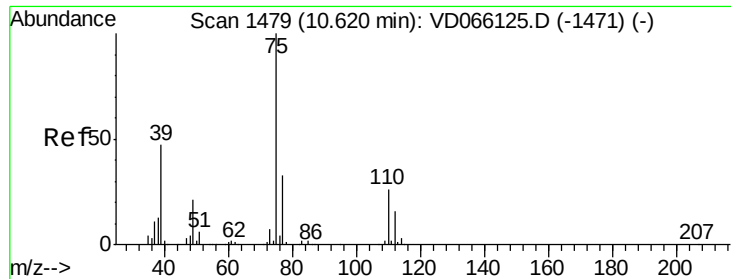
Tgt Ion: 92 Resp: 370551

Ion Ratio Lower Upper

92 100

91 167.9 135.2 202.8





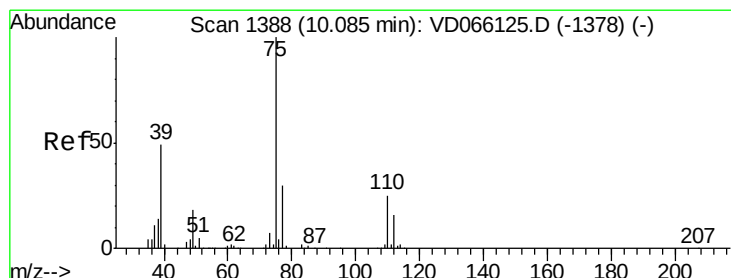
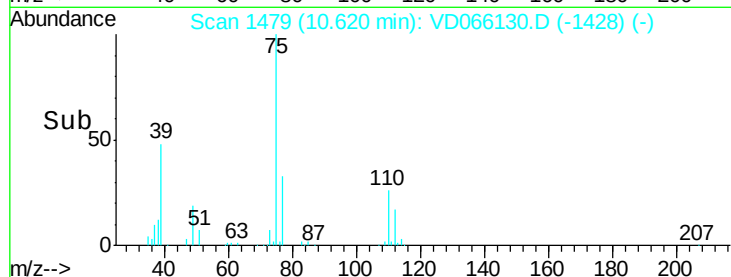
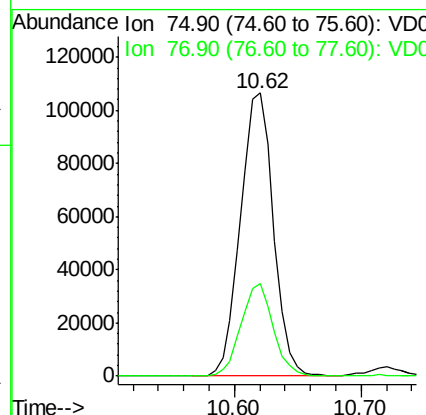
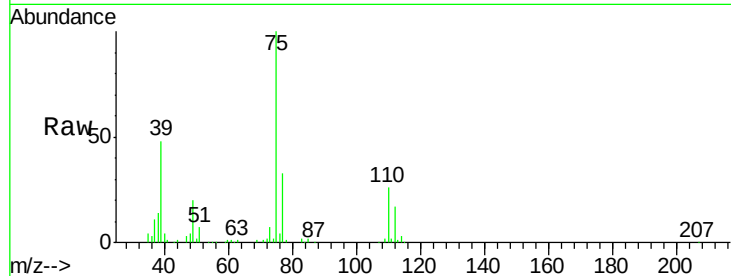
#53
 t-1,3-Dichloropropene
 Concen: 44.128 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 191869
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.2 39.2

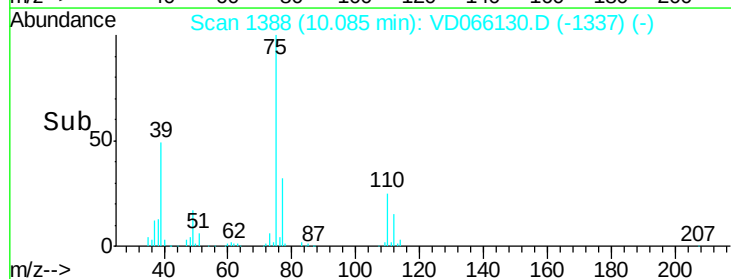
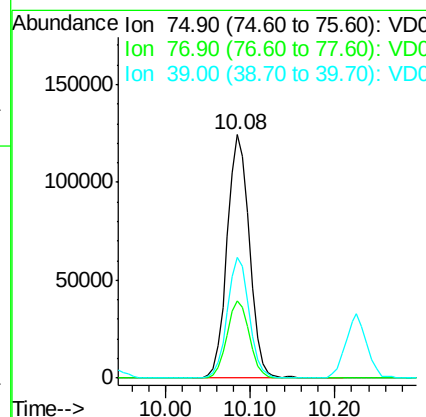
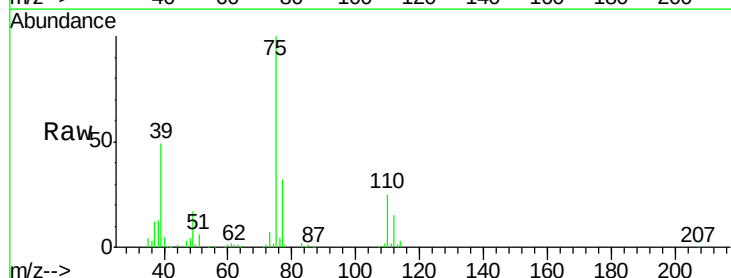
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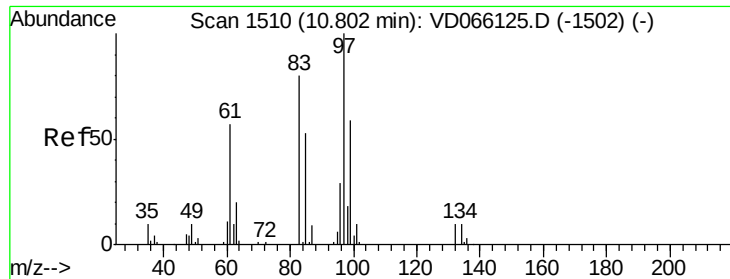
MMDadoda
 8/7/2020 12:48:28 PM



#54
 cis-1,3-Dichloropropene
 Concen: 44.403 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Tgt Ion: 75 Resp: 226197
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.3 36.5
 39 49.2 39.3 58.9





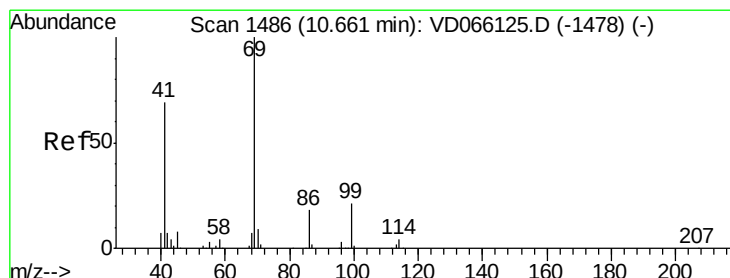
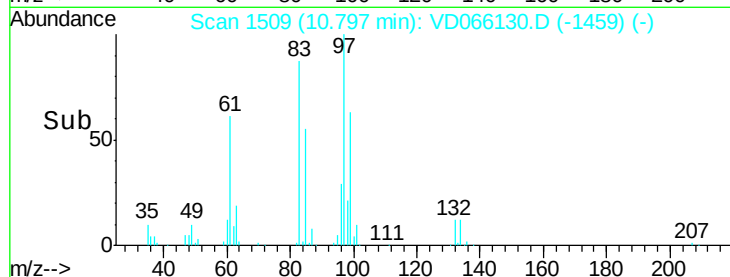
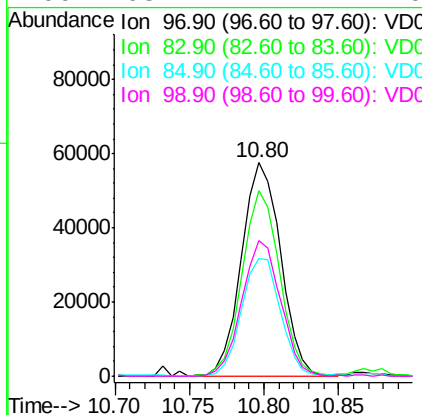
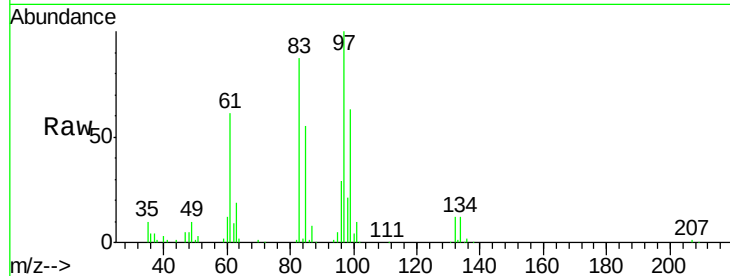
#55
 1,1,2-Trichloroethane
 Concen: 42.114 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	105124
Ion	Ratio	Lower	Upper
97	100		
83	86.9	63.9	95.9
85	55.0	42.5	63.7
99	63.4	47.4	71.0

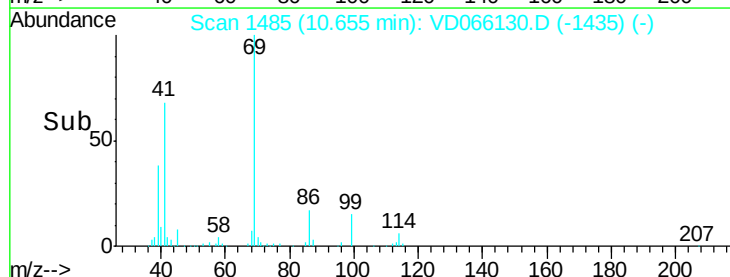
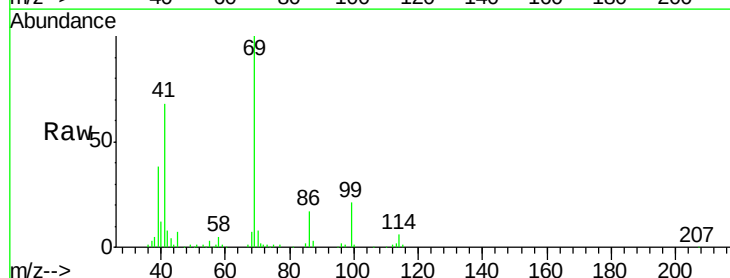
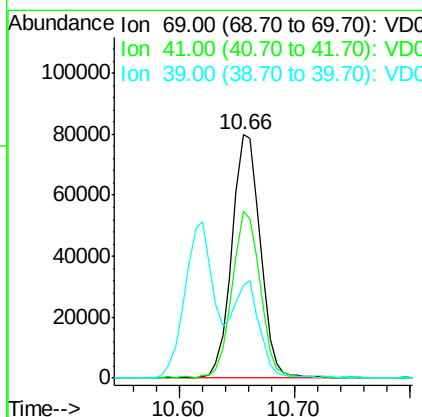
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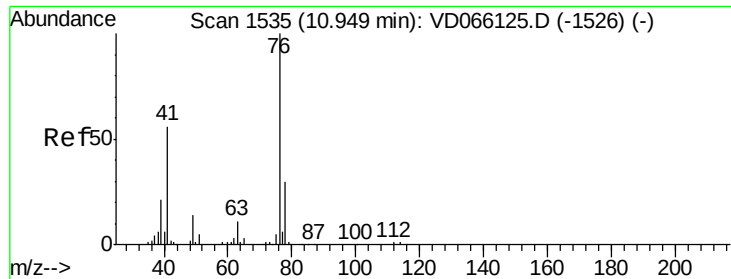
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 8/7/2020 12:48:28 PM



#56
 Ethyl methacrylate
 Concen: 45.487 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Tgt Ion:	69	Resp:	136398
Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.1	81.1
39	38.0	28.6	43.0





#57

1,3-Dichloropropane

Concen: 43.037 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 178346

Ion Ratio Lower Upper

76 100

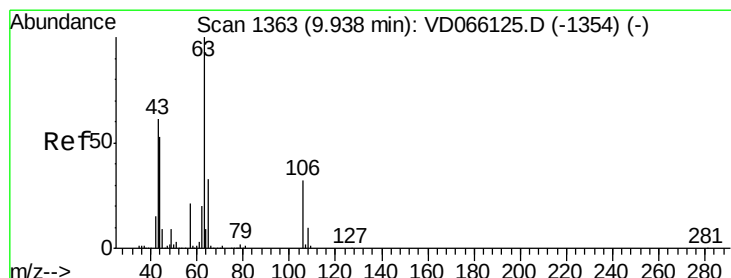
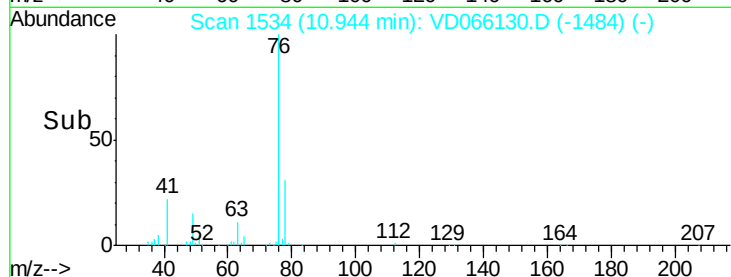
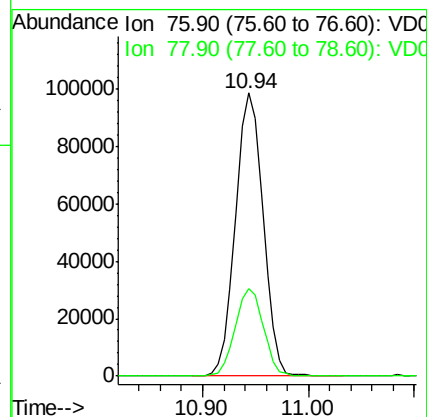
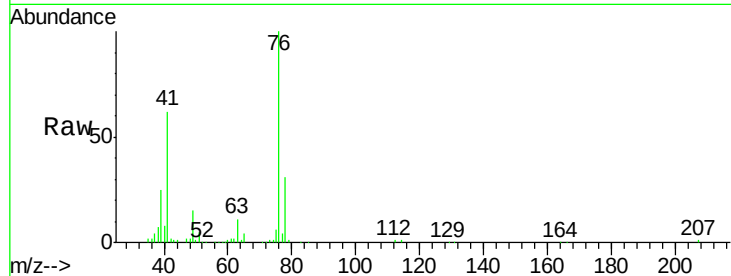
78 31.6 25.5 38.3

Manual Integrations

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MMDadoda

8/7/2020 12:48:28 PM



#58

2-Chloroethyl Vinyl ether

Concen: 276.391 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066130.D

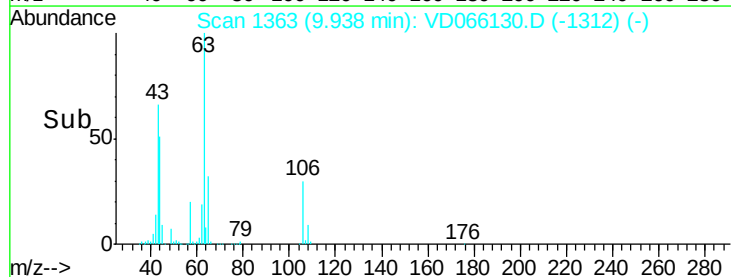
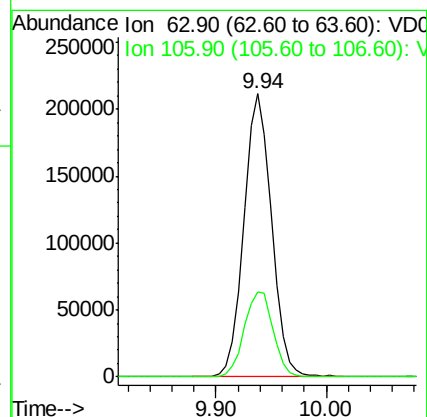
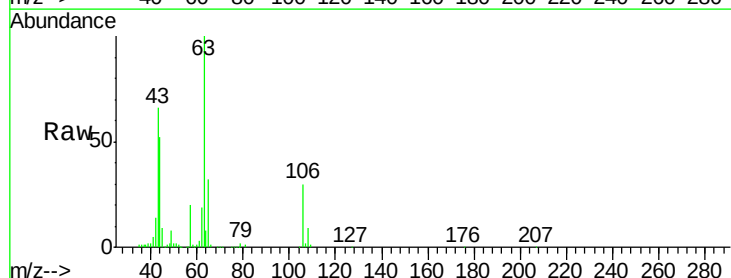
Acq: 06 Aug 2020 11:15

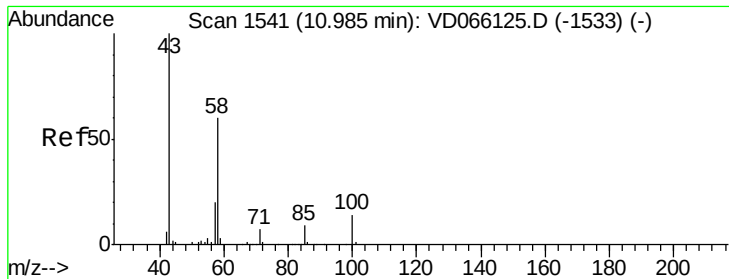
Tgt Ion: 63 Resp: 372799

Ion Ratio Lower Upper

63 100

106 31.5 25.3 37.9





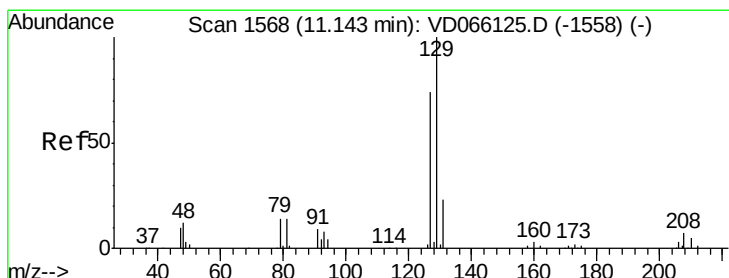
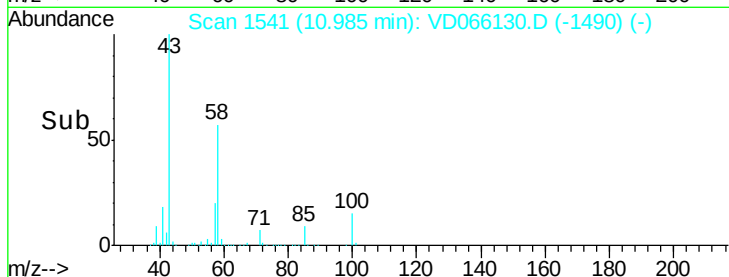
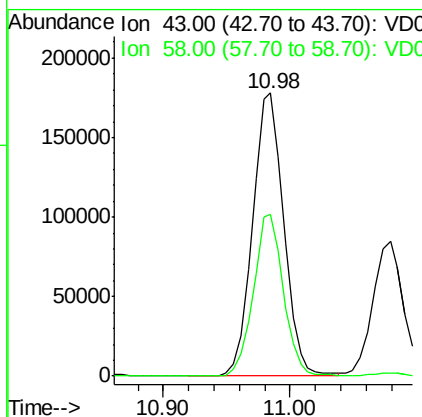
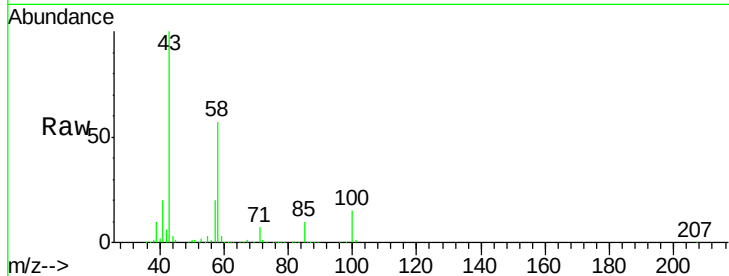
#59
2-Hexanone
Concen: 234.158 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 305666
Ion Ratio Lower Upper
43 100
58 55.0 27.8 83.4

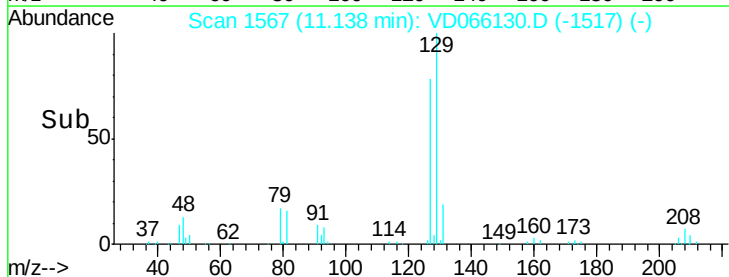
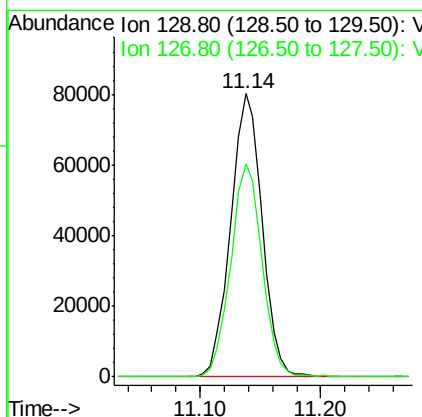
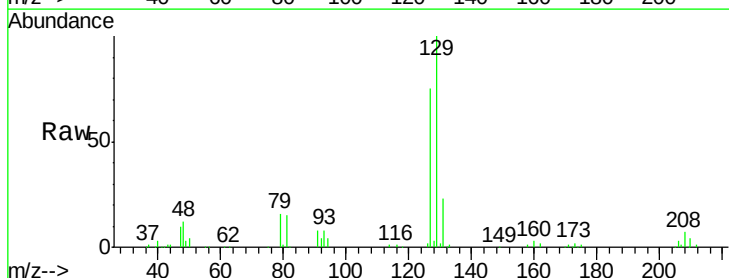
Manual Integrations
APPROVED

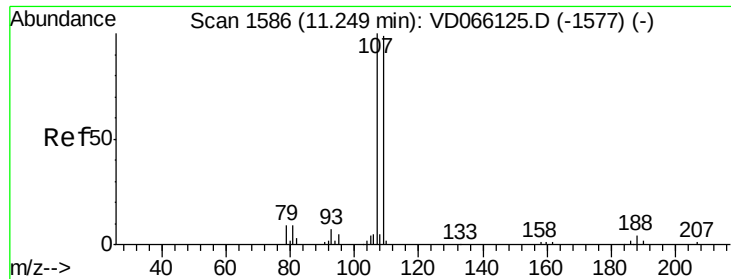
MMDadoda
8/7/2020 12:48:28 PM



#60
Dibromochloromethane
Concen: 42.170 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion: 129 Resp: 145322
Ion Ratio Lower Upper
129 100
127 74.9 38.0 114.1





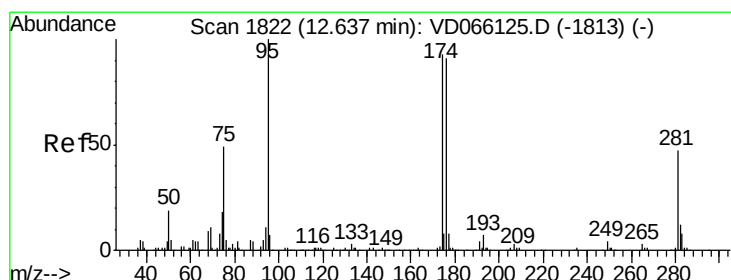
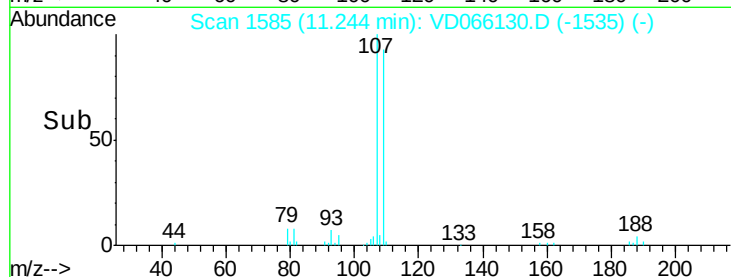
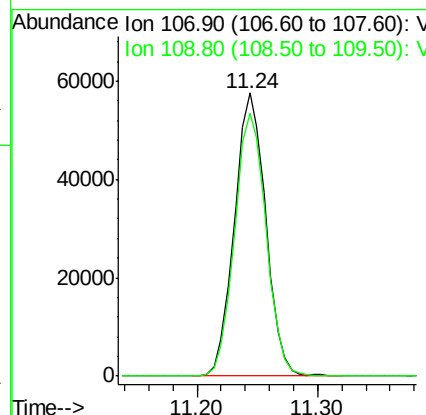
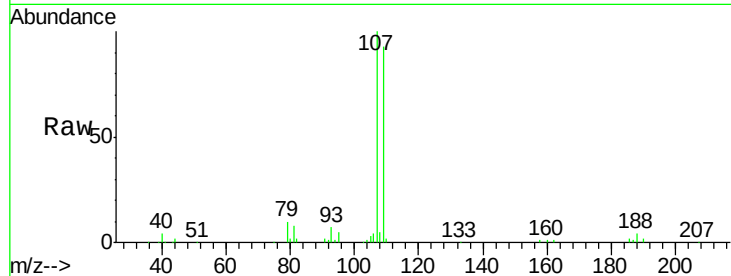
#61
 1,2-Dibromoethane
 Concen: 43.293 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	103927		
109	93.4	76.5	114.7	

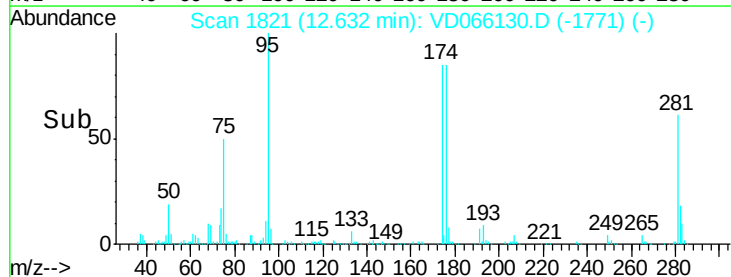
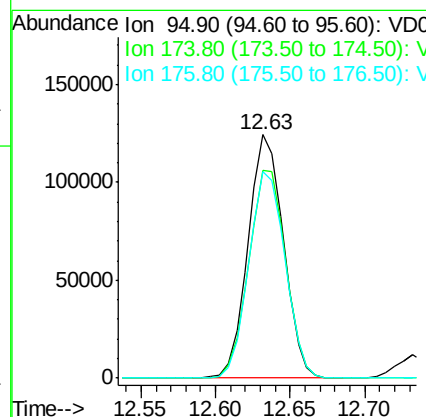
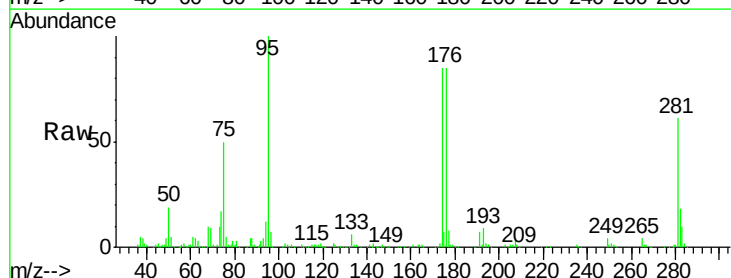
Manual Integrations
 APPROVED

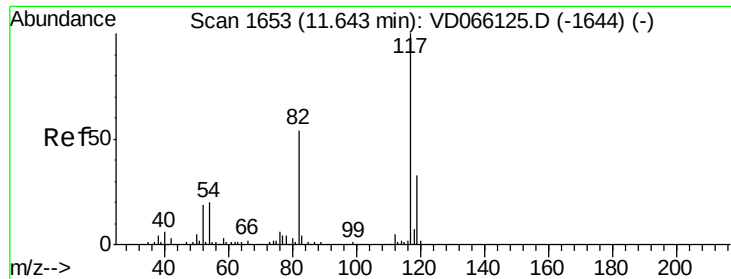
MMDadoda
 8/7/2020 12:48:28 PM



#62
 4-Bromofluorobenzene
 Concen: 48.951 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	203614		
174	88.9	0.0	180.8	
176	87.1	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: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

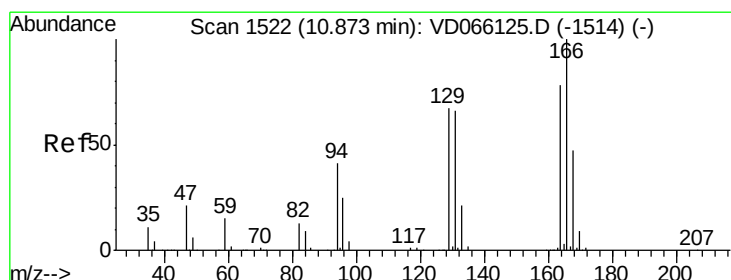
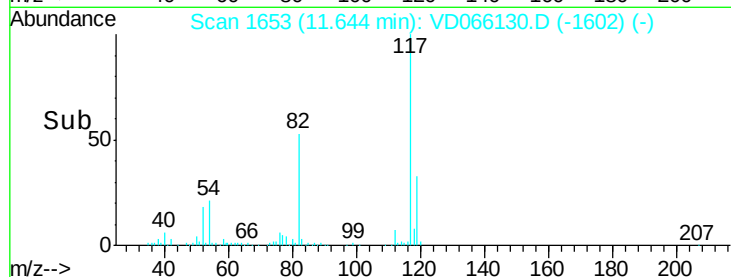
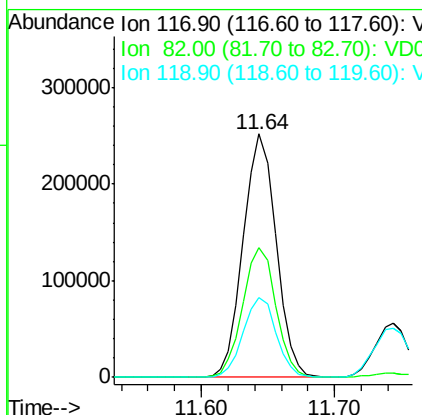
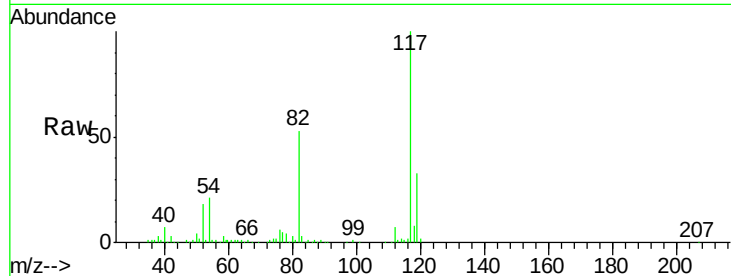
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	430769
Ion Ratio	Lower	Upper	
117	100		
82	53.5	43.0	64.4
119	32.6	26.1	39.1

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:28 PM



#64

Tetrachloroethene

Concen: 43.937 ug/l

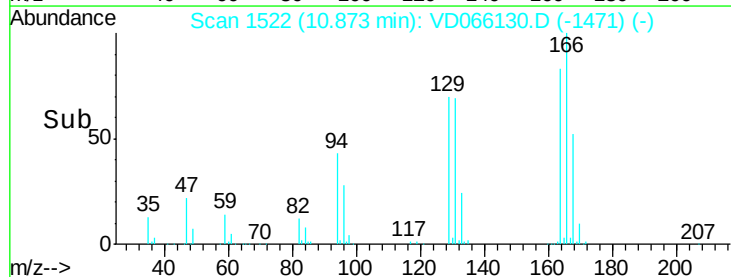
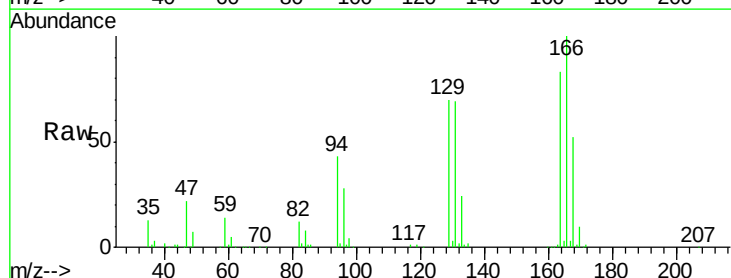
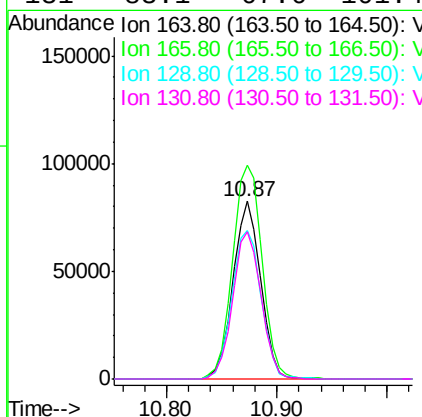
RT: 10.87 min Scan# 1522

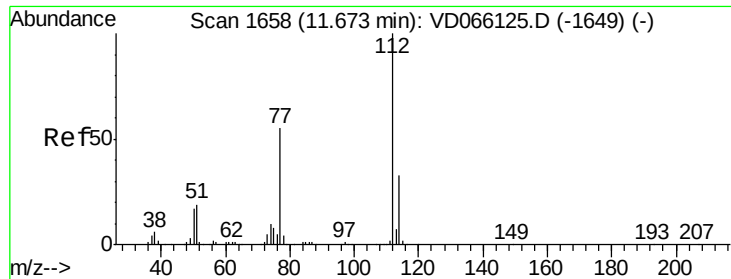
Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Tgt Ion:	164	Resp:	145336
Ion Ratio	Lower	Upper	
164	100		
166	120.3	101.9	152.9
129	84.0	68.1	102.1
131	83.1	67.6	101.4





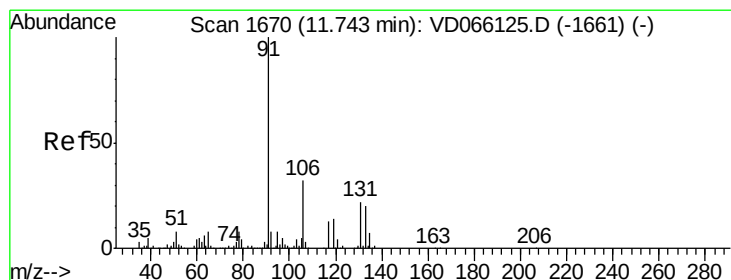
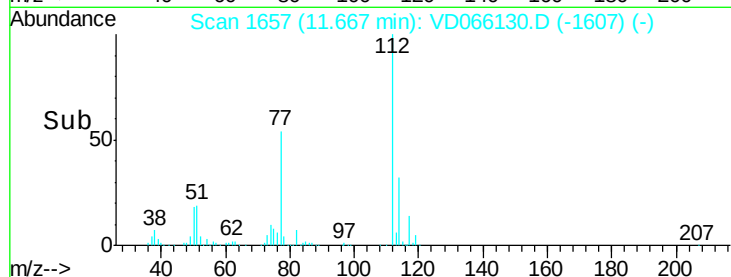
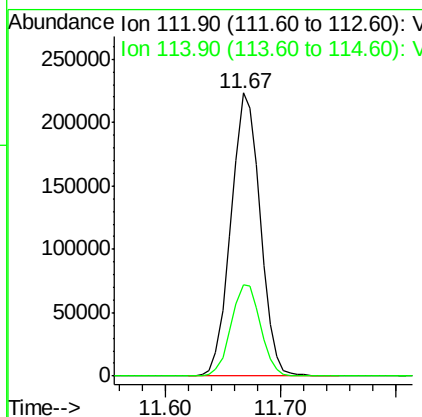
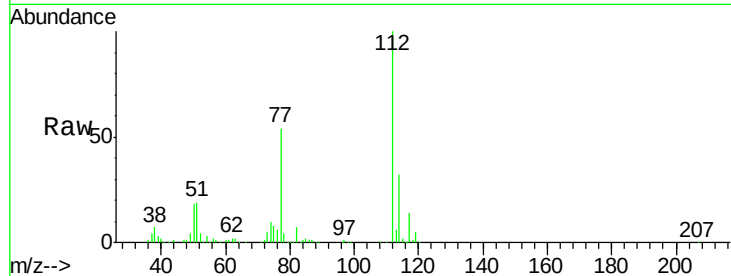
#65
Chlorobenzene
Concen: 44.830 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	392027		
114	32.4	26.1	39.1	

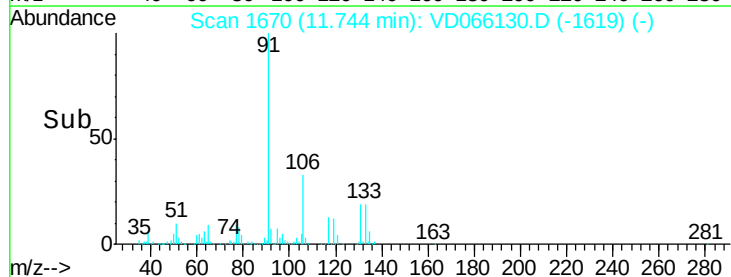
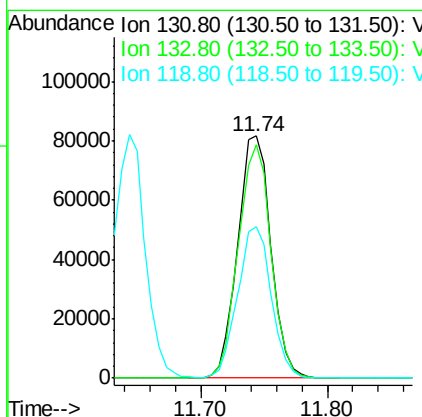
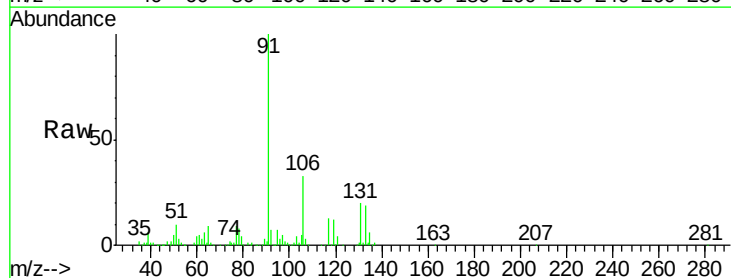
Manual Integrations
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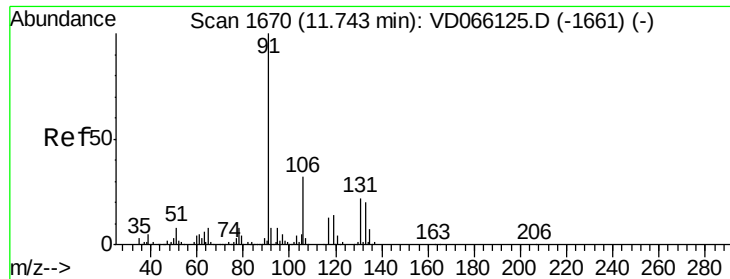
MMDadoda
8/7/2020 12:48:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 43.466 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	148721		
133	94.8	47.1	141.4	
119	63.3	31.6	94.7	





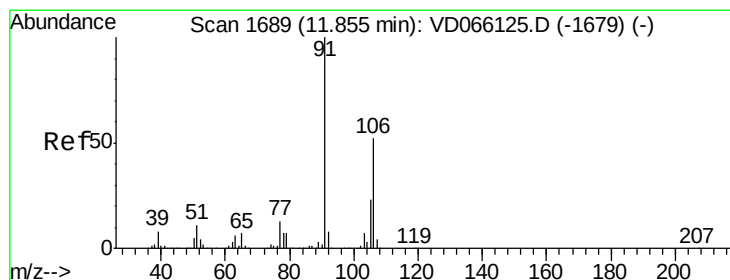
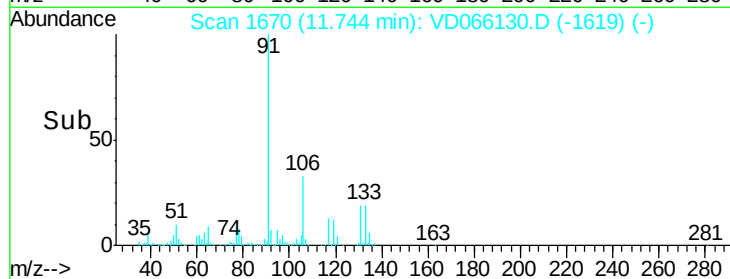
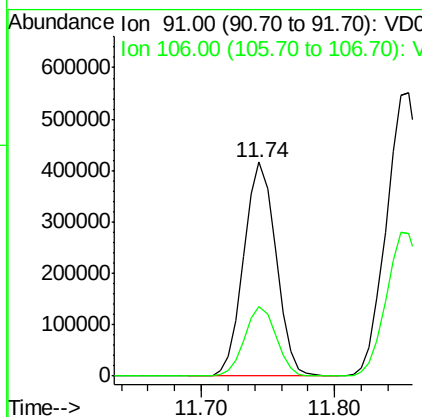
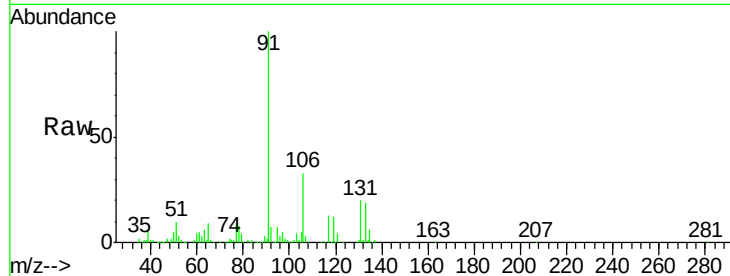
#67
Ethyl Benzene
Concen: 45.932 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	91	Resp	696048
Ion Ratio	Lower	Upper	
91	100		
106	32.6	25.7	38.5

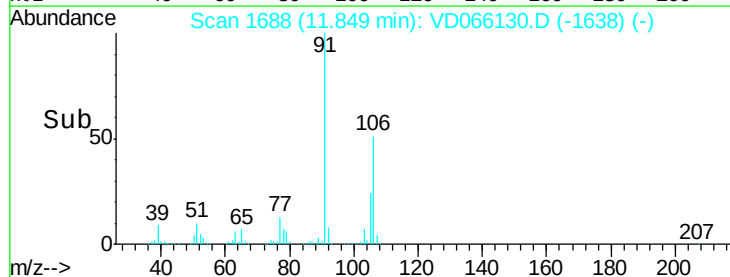
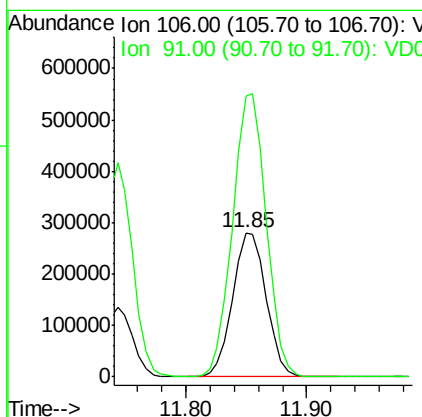
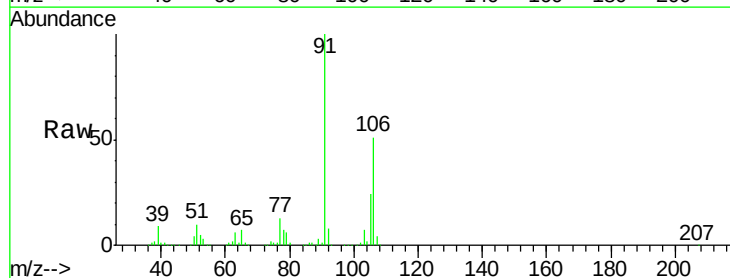
Manual Integrations
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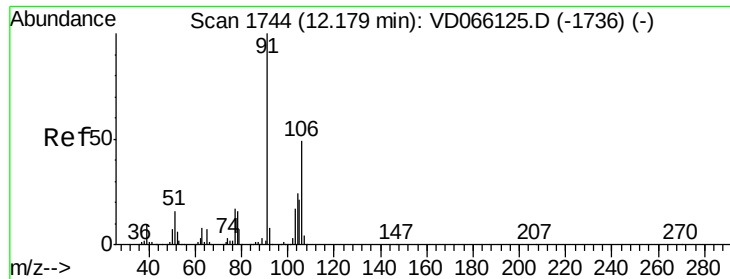
MMDadoda
8/7/2020 12:48:28 PM



#68
m/p-Xylenes
Concen: 92.242 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion	106	Resp	541575
Ion Ratio	Lower	Upper	
106	100		
91	197.6	156.6	235.0





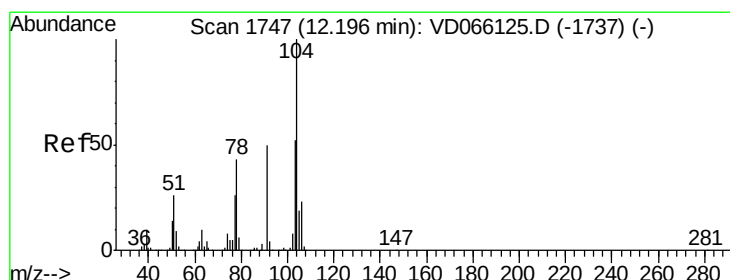
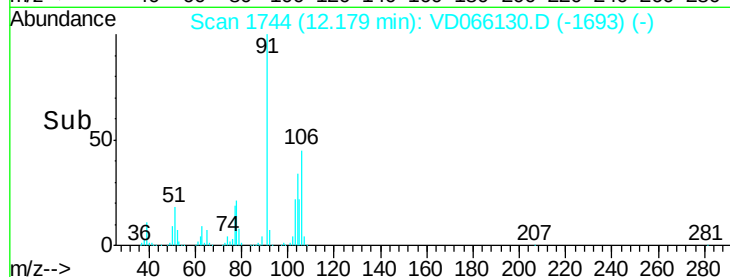
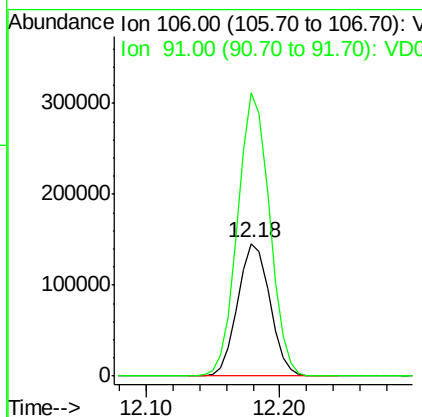
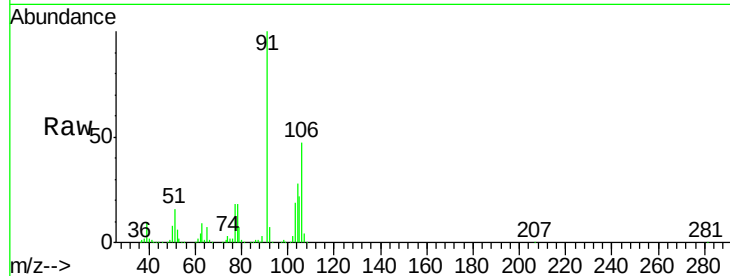
#69
o-Xylene
Concen: 45.708 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		244118		
91	211.8	105.7	317.1		

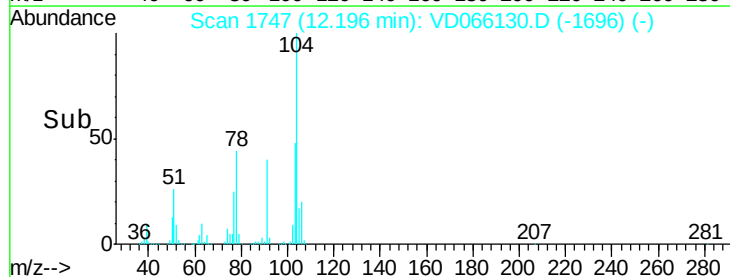
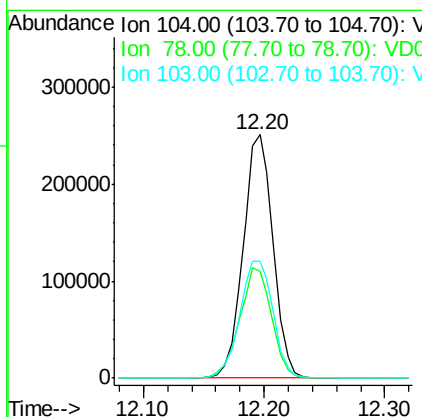
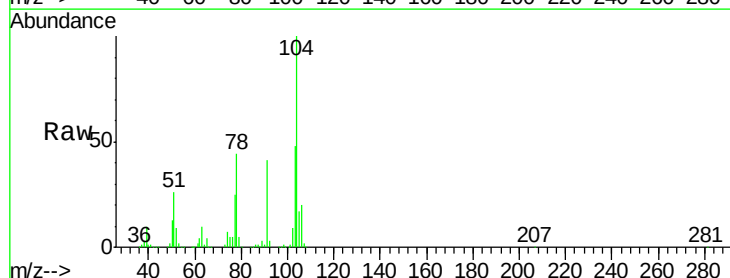
Manual Integrations
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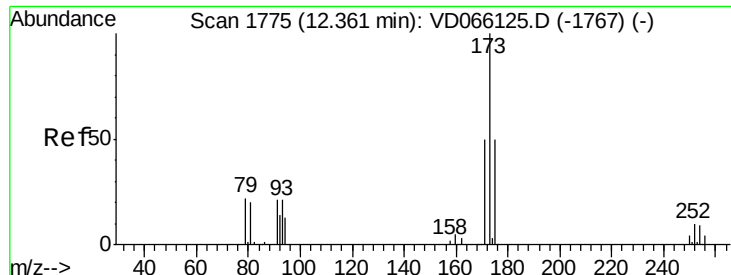
MMDadoda
8/7/2020 12:48:28 PM



#70
Styrene
Concen: 46.284 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		433224		
78	48.3	38.6	58.0		
103	53.4	44.1	66.1		





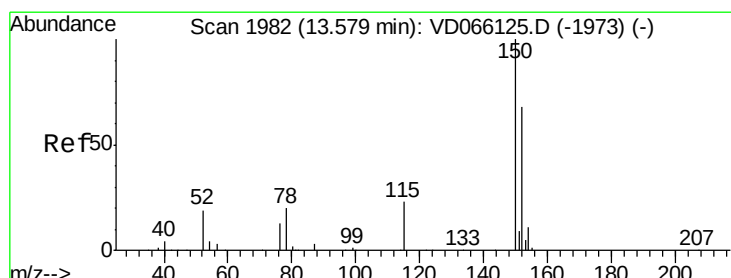
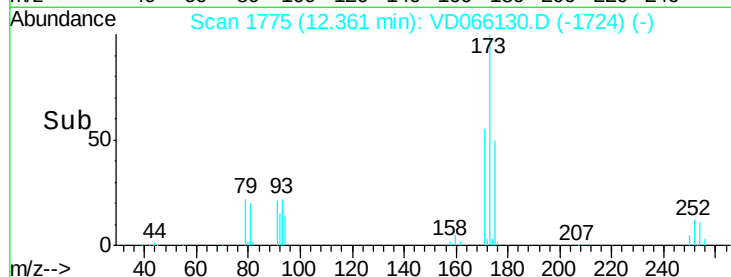
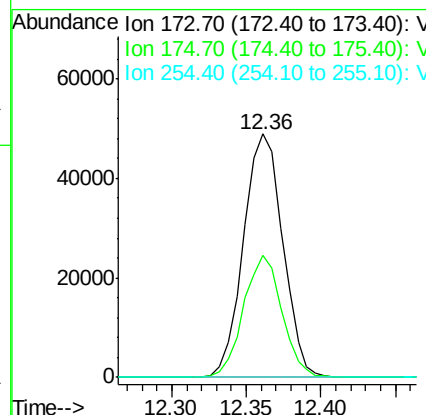
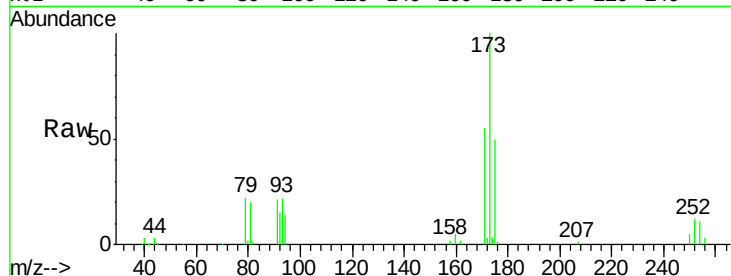
#71
Bromoform
Concen: 44.063 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.6
254	0.0	0.2	0.2

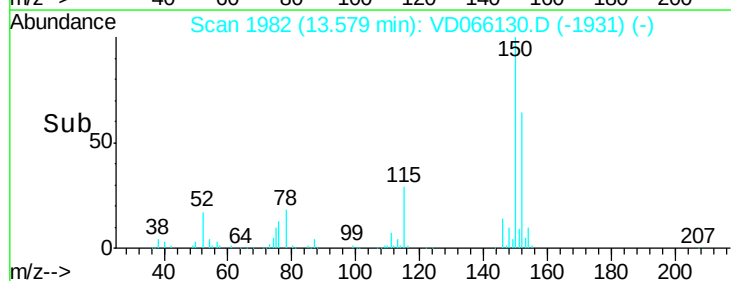
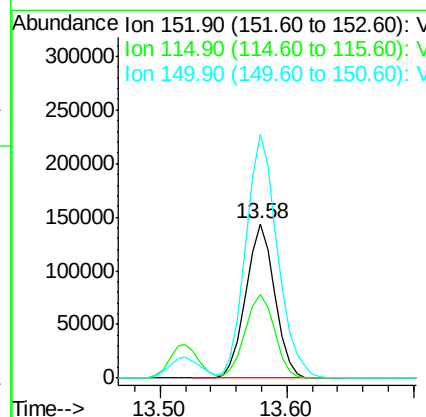
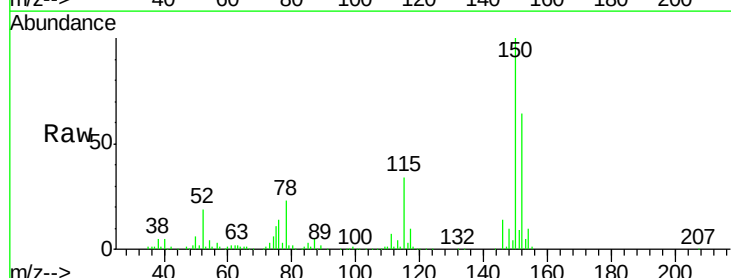
Manual Integrations
APPROVED

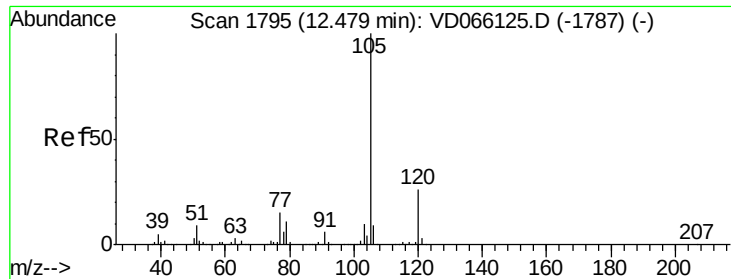
MMDadoda
8/7/2020 12:48:28 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.0	83.9
150	173.6	0.0	346.4





#73

Isopropylbenzene

Concen: 45.595 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 692123

Ion Ratio Lower Upper

105 100

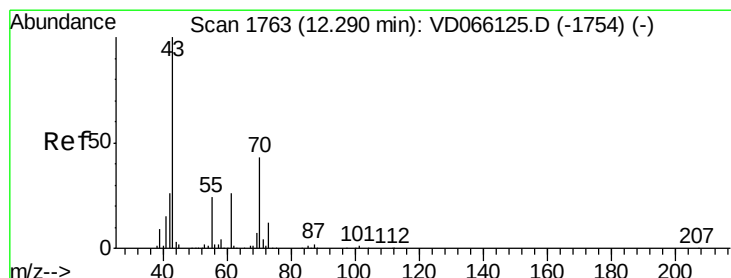
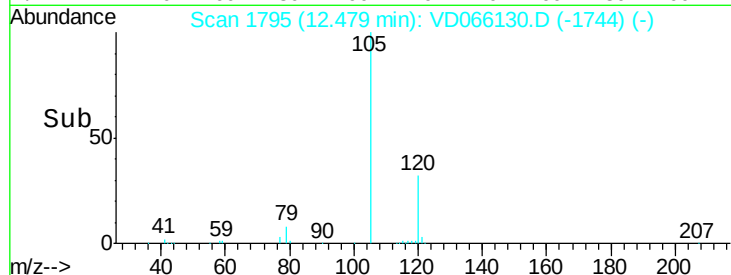
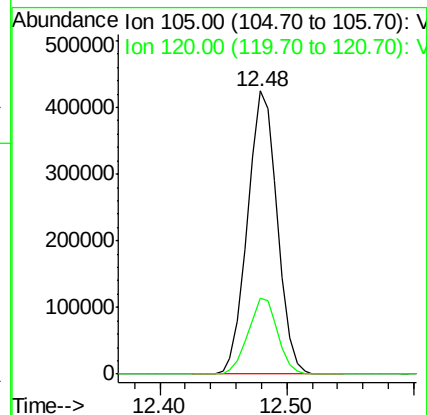
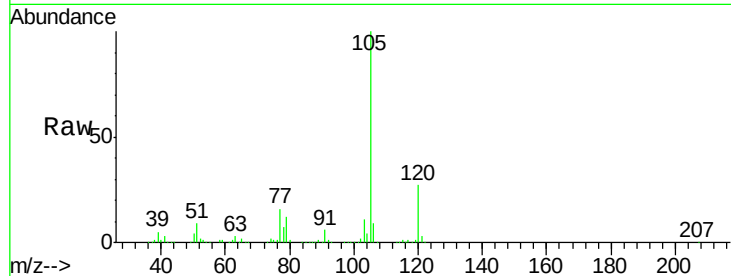
120 26.7 13.3 39.9

Manual Integrations

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8/7/2020 12:48:28 PM



#74

N-ethyl acetate

Concen: 46.621 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Tgt Ion: 43 Resp: 155839

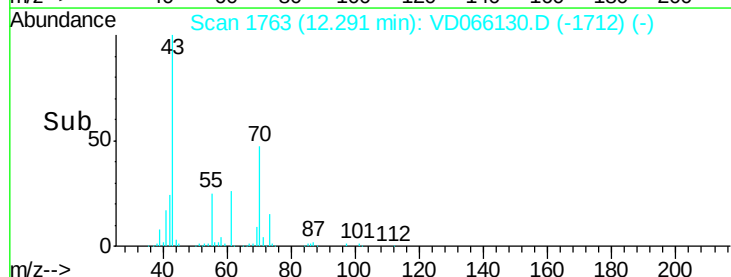
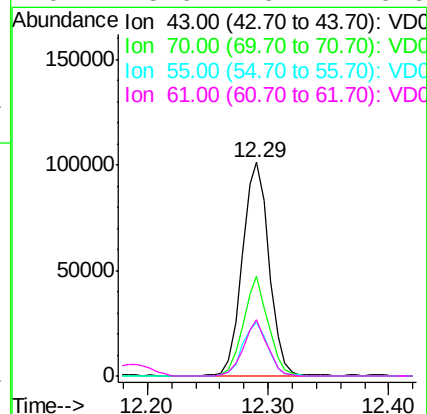
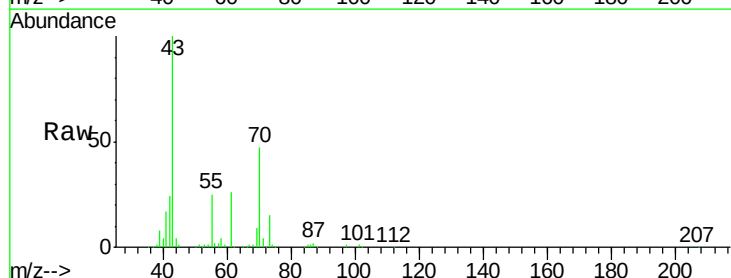
Ion Ratio Lower Upper

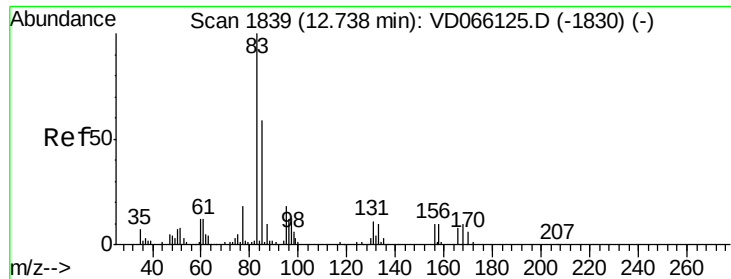
43 100

70 43.3 34.9 52.3

55 24.1 19.2 28.8

61 23.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 42.687 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

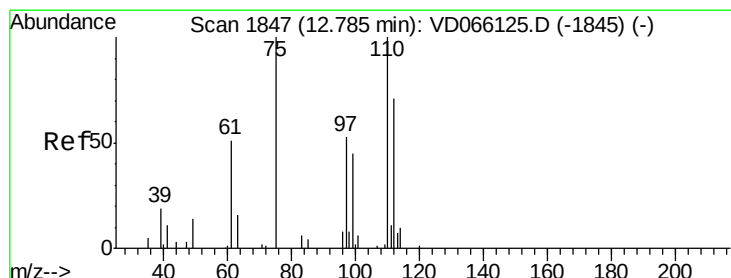
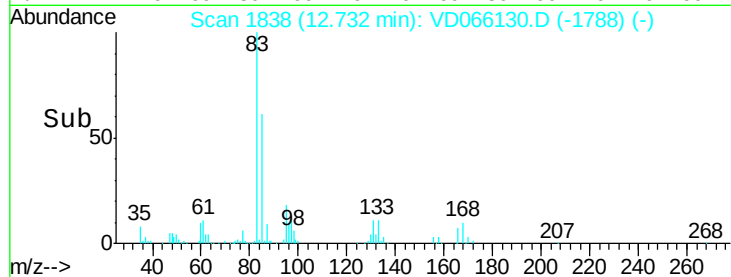
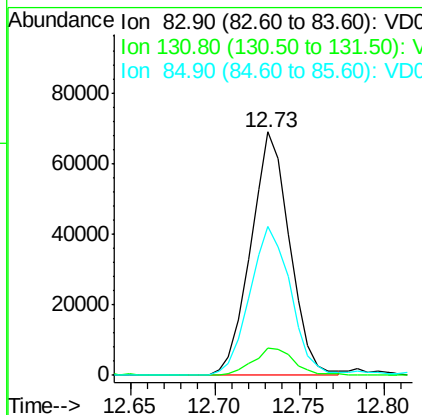
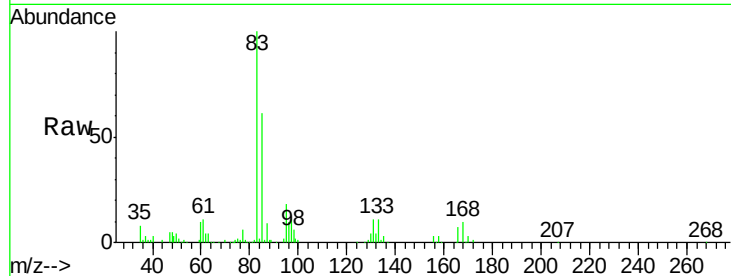
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	110491
Ion Ratio	Lower	Upper	
83	100		
131	12.0	6.2	18.6
85	64.5	32.4	97.2

Manual Integrations
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8/7/2020 12:48:28 PM



#76

1,2,3-Trichloropropane

Concen: 40.159 ug/l m

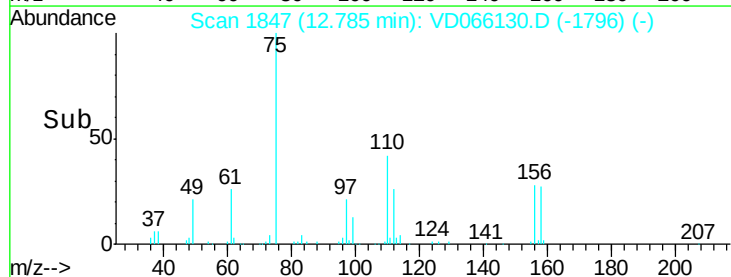
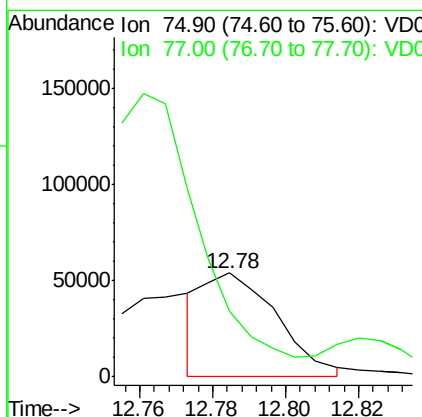
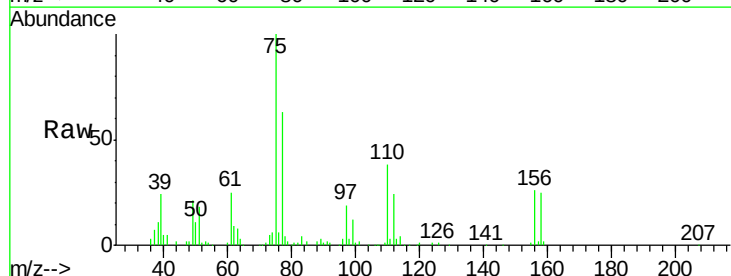
RT: 12.78 min Scan# 1847

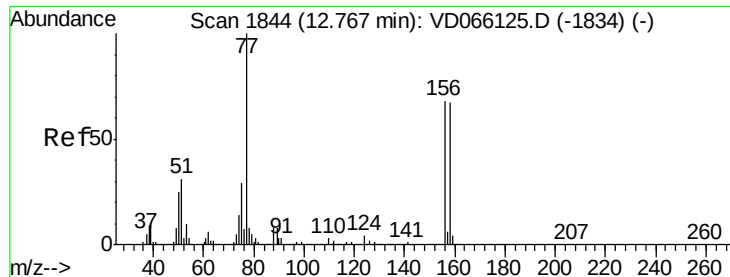
Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Tgt Ion:	75	Resp:	76156
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.238 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

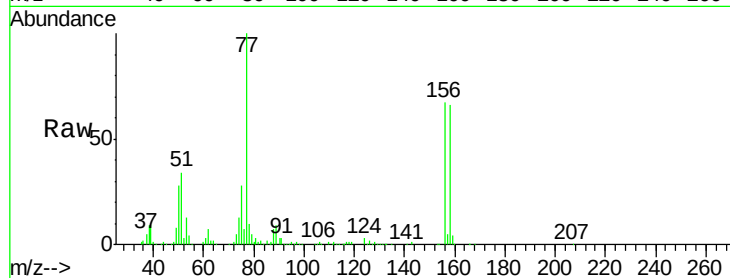
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	168955
Ion Ratio	Lower	Upper	
156	100		
77	168.3	81.0	243.1
158	97.2	48.8	146.3

Manual Integrations
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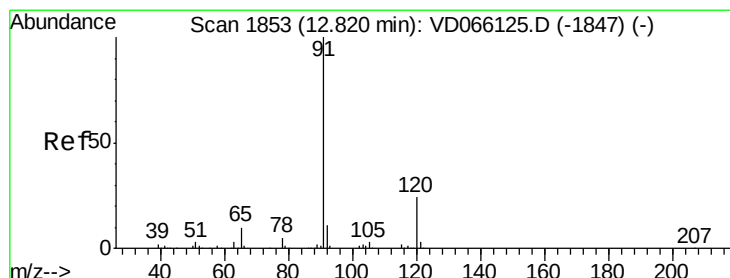
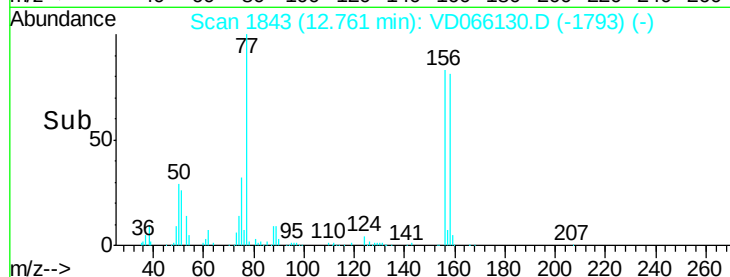
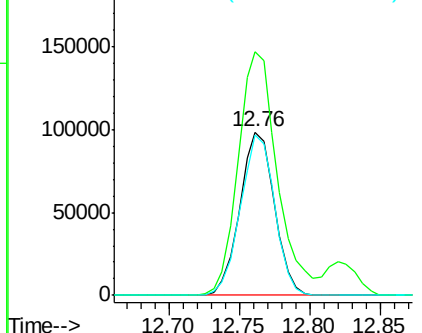
MMDadoda
8/7/2020 12:48:28 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.481 ug/l

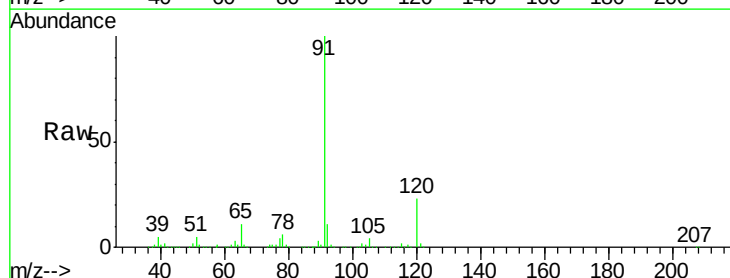
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066130.D

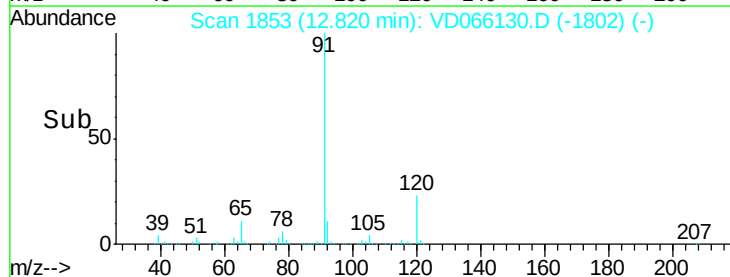
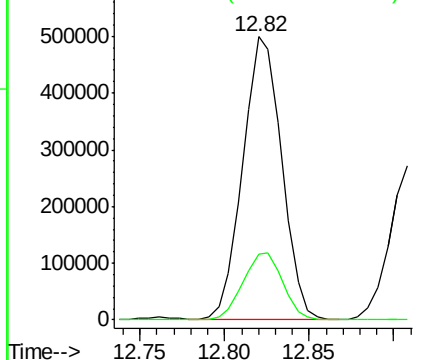
Acq: 06 Aug 2020 11:15

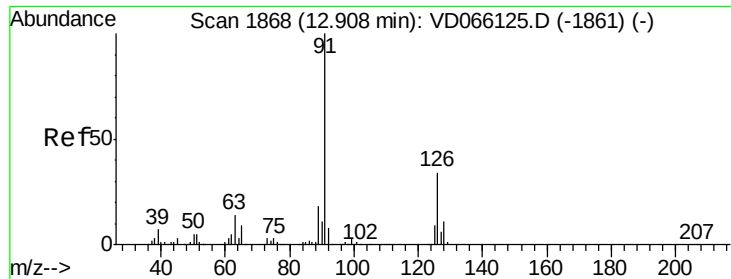
Tgt Ion:	91	Resp:	802532
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





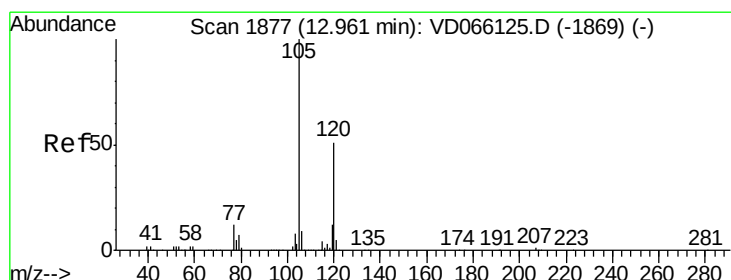
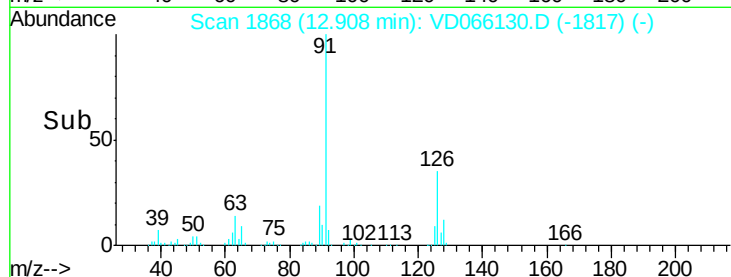
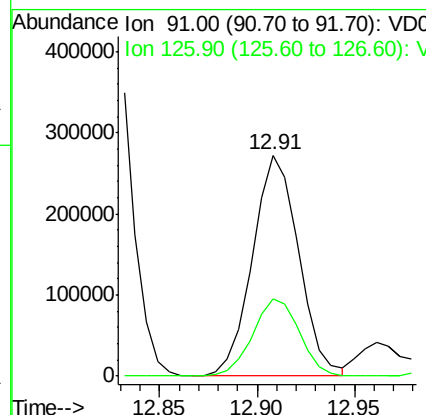
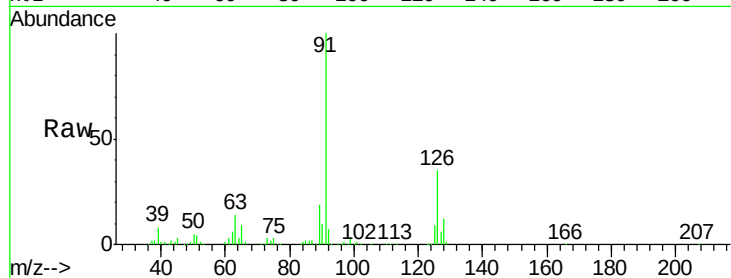
#79
2-Chlorotoluene
Concen: 44.210 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 446168
Ion Ratio Lower Upper
91 100
126 35.5 17.5 52.6

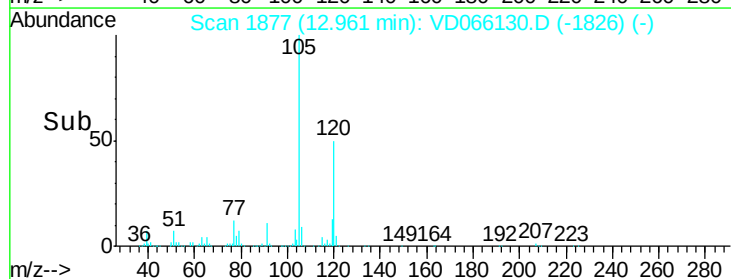
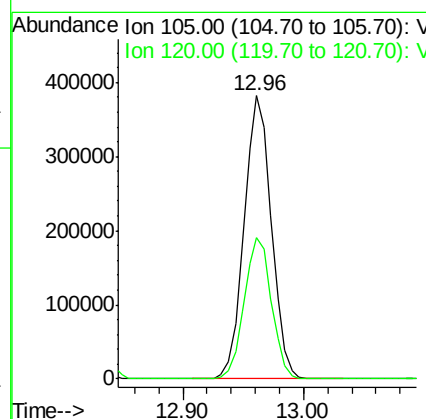
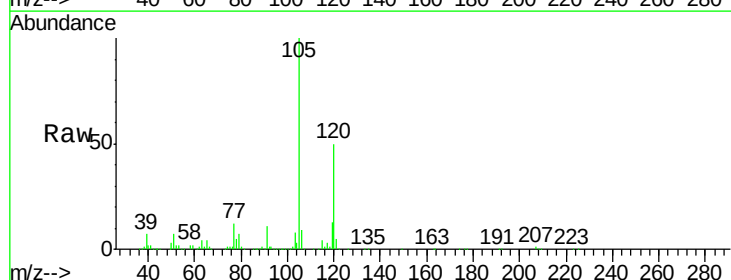
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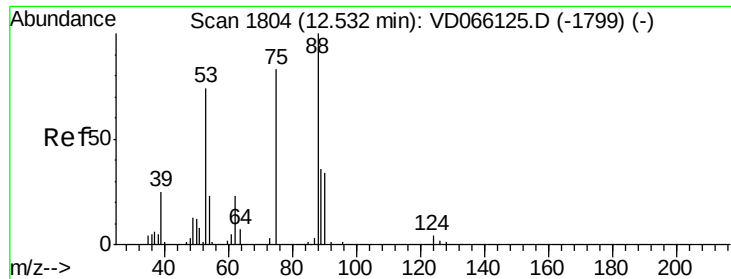
MMDadoda
8/7/2020 12:48:28 PM



#80
1,3,5-Trimethylbenzene
Concen: 47.287 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion: 105 Resp: 600299
Ion Ratio Lower Upper
105 100
120 50.1 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 45.764 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

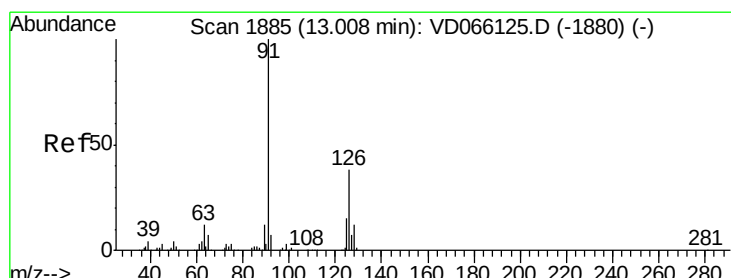
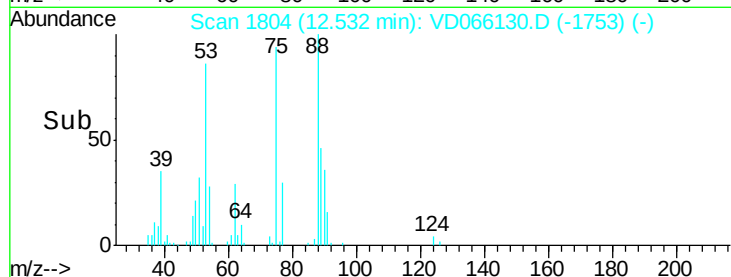
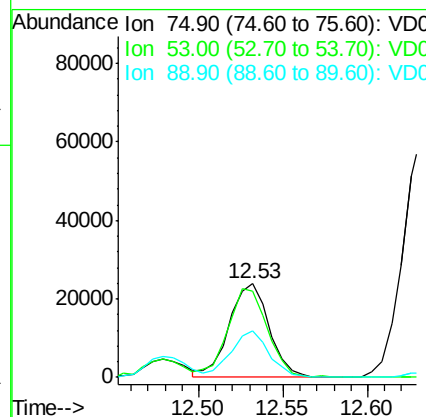
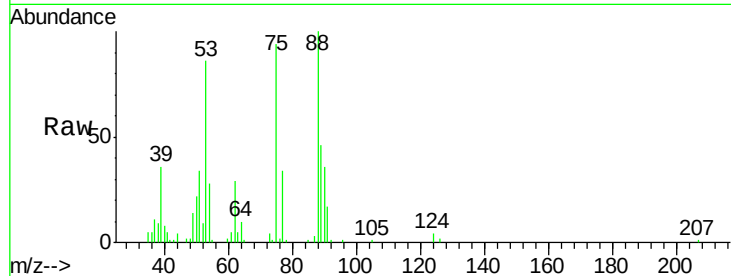
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	39260
Ion	Ratio	Lower	Upper
75	100		
53	94.2	73.4	110.2
89	47.1	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.182 ug/l

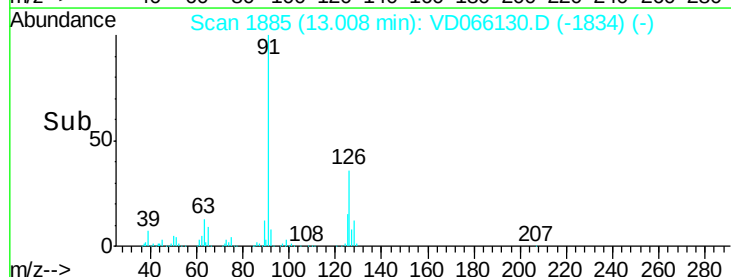
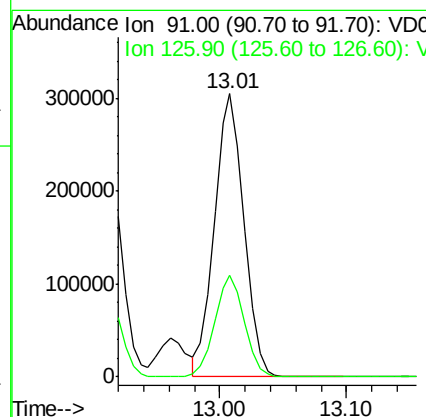
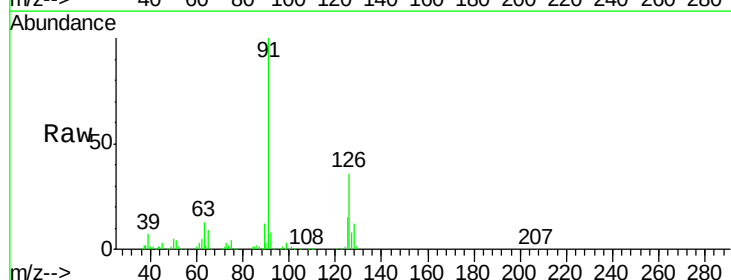
RT: 13.01 min Scan# 1885

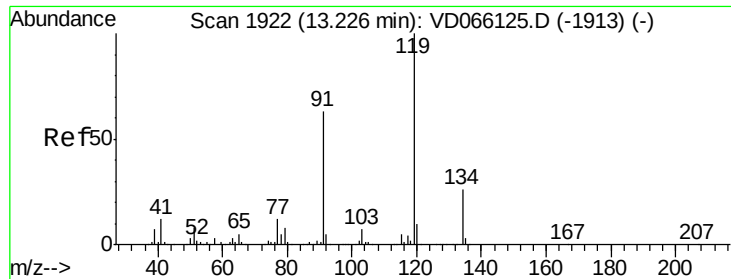
Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Tgt Ion:	91	Resp:	492000
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.3





#83

tert-Butylbenzene

Concen: 43.861 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

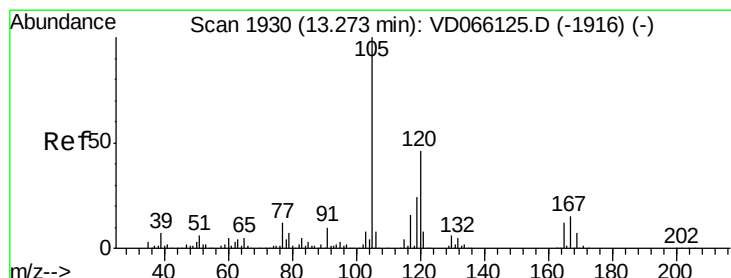
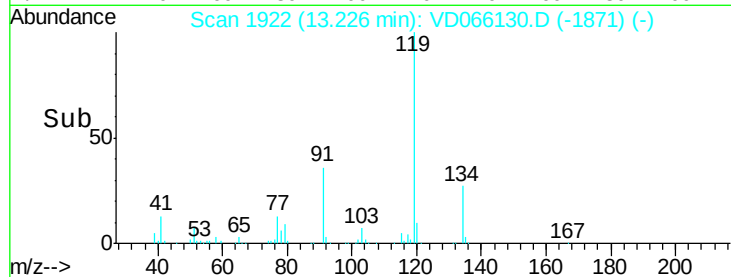
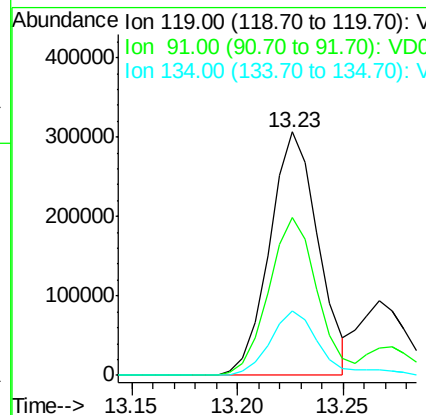
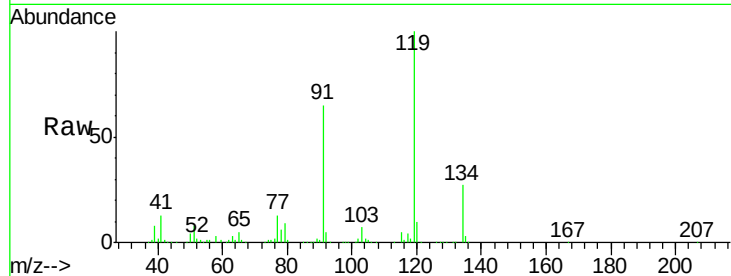
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	489683
Ion Ratio	Lower	Upper	
119	100		
91	64.8	30.8	92.4
134	27.7	13.6	40.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 44.808 ug/l

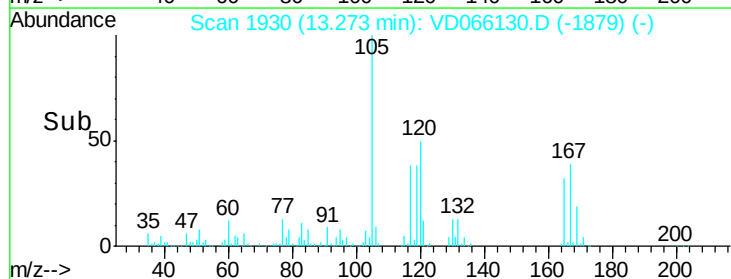
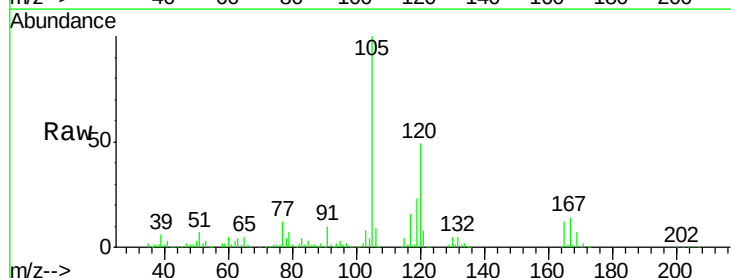
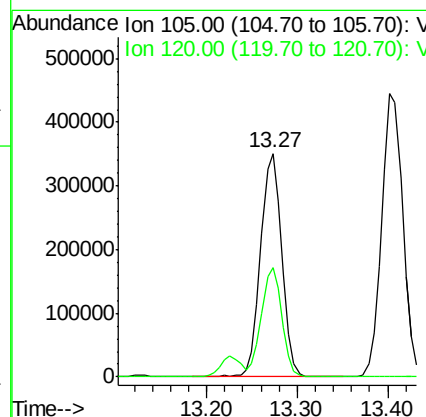
RT: 13.27 min Scan# 1930

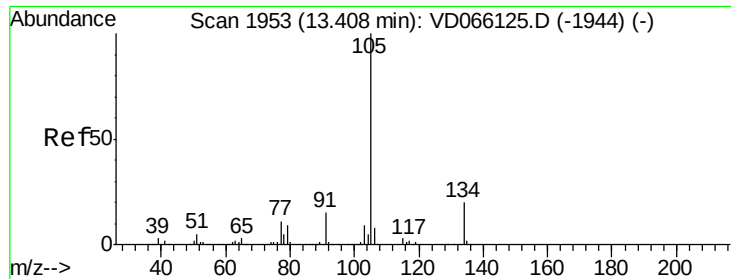
Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Tgt Ion:	105	Resp:	569270
Ion Ratio	Lower	Upper	
105	100		
120	47.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 47.502 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 716009

Ion Ratio Lower Upper

105 100

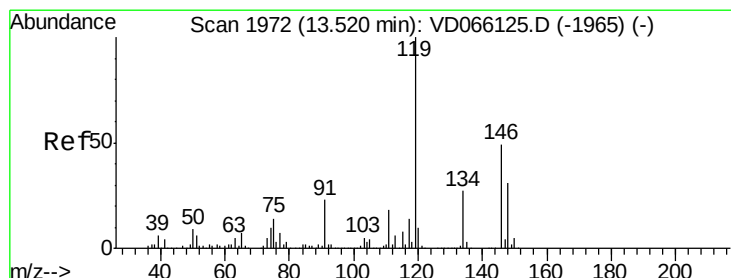
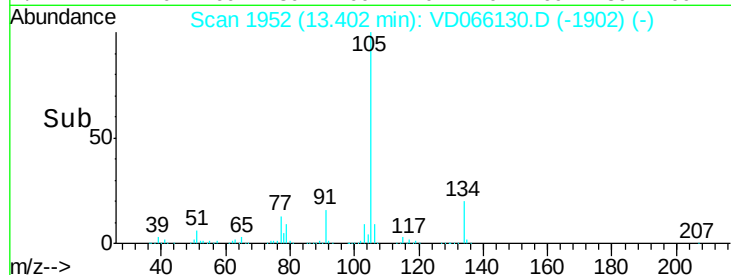
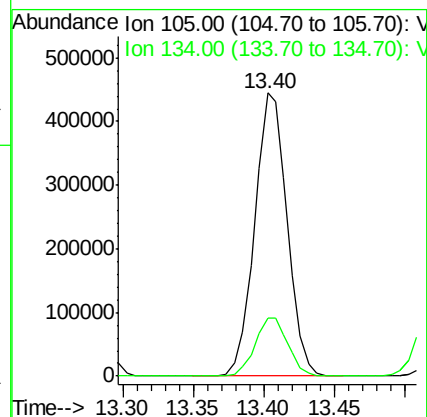
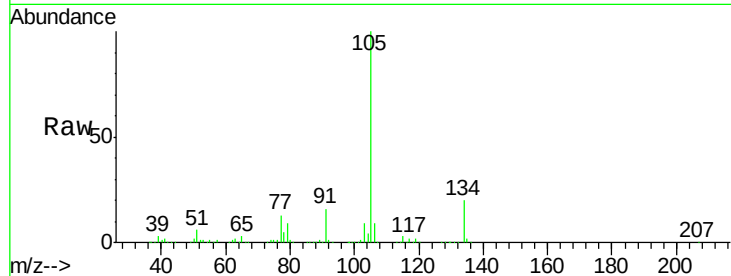
134 21.0 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.609 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066130.D

Acq: 06 Aug 2020 11:15

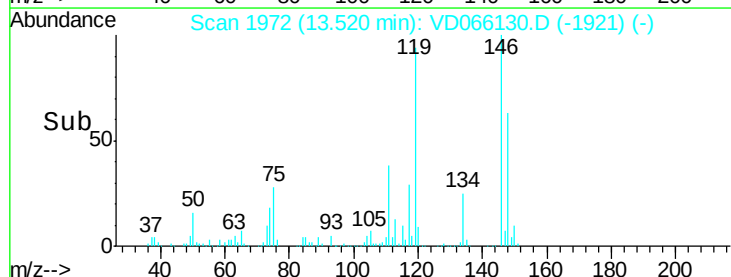
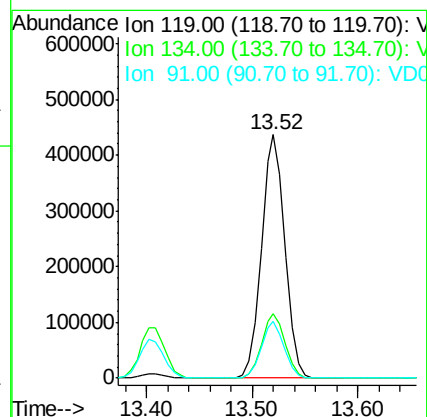
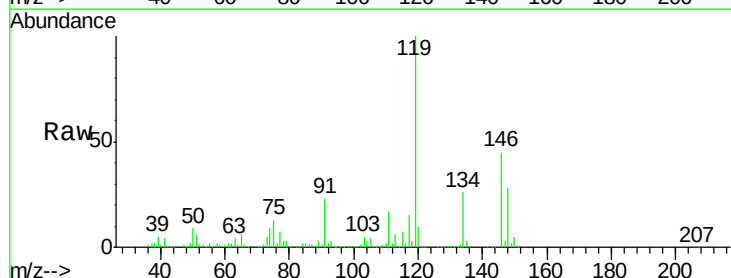
Tgt Ion:119 Resp: 673074

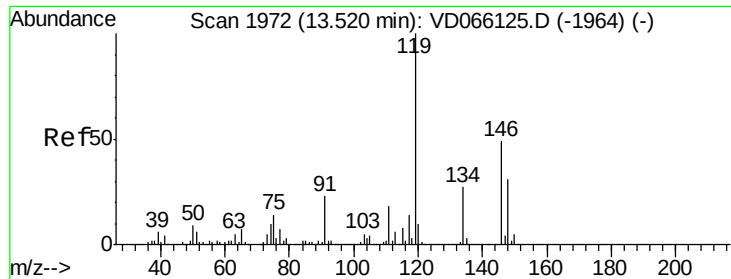
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 22.8 11.2 33.5





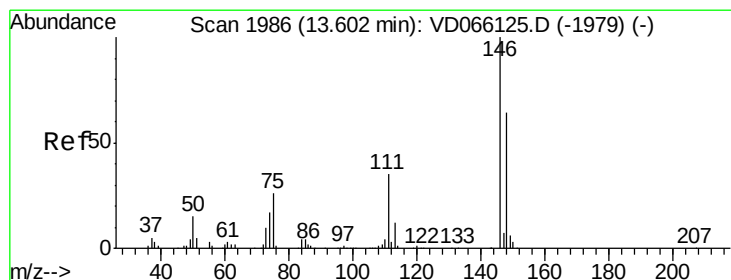
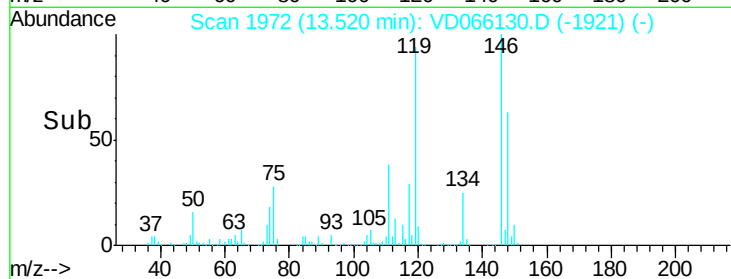
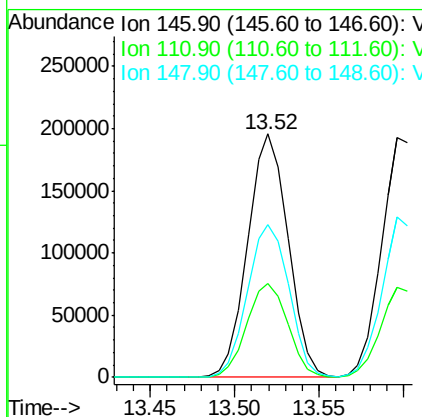
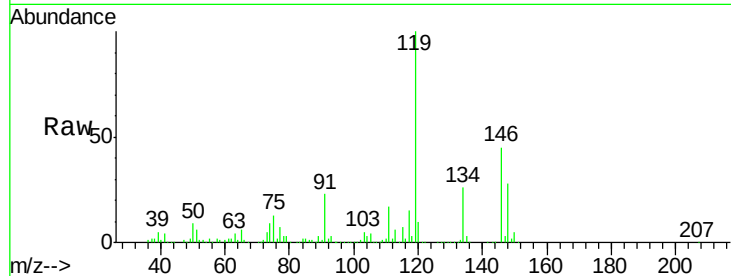
#87
 1,3-Dichlorobenzene
 Concen: 44.431 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.9	56.9
148	64.5	31.8	95.3

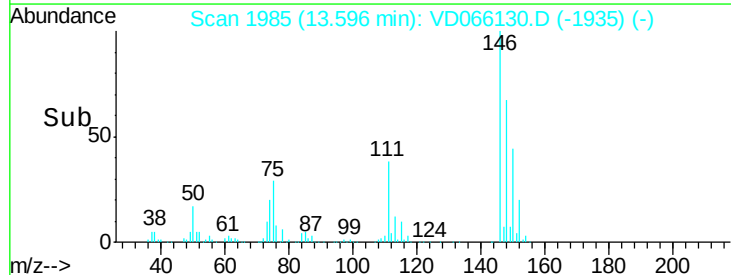
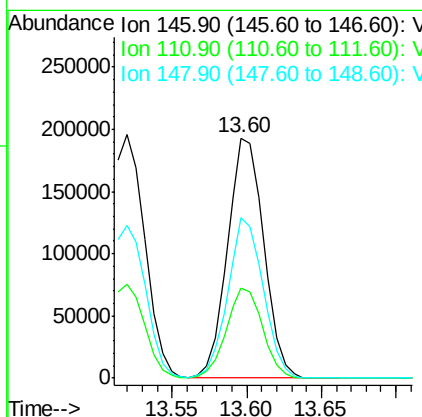
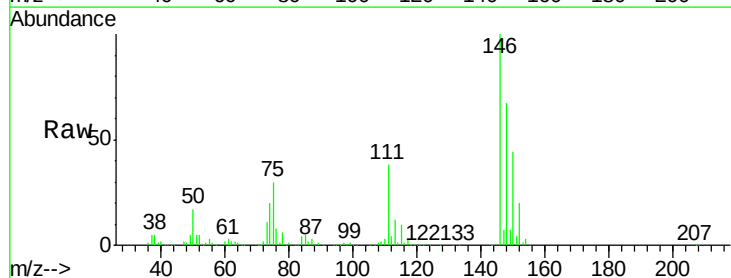
Manual Integrations
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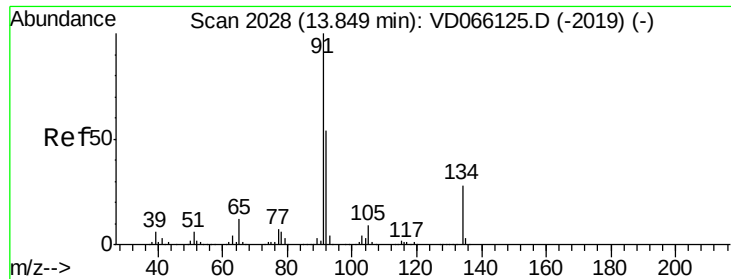
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#88
 1,4-Dichlorobenzene
 Concen: 44.811 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.8
148	65.3	32.4	97.0





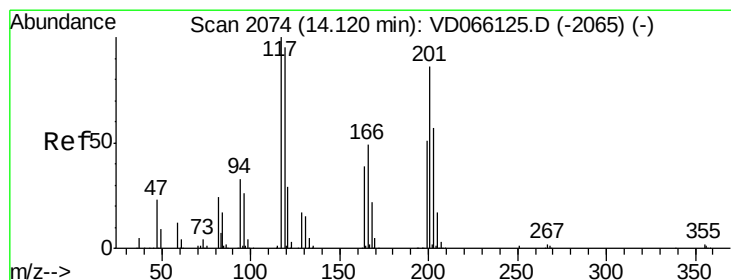
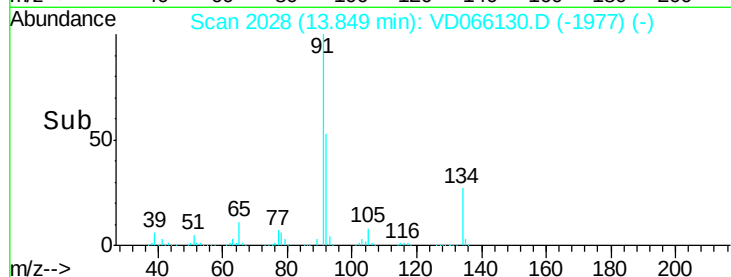
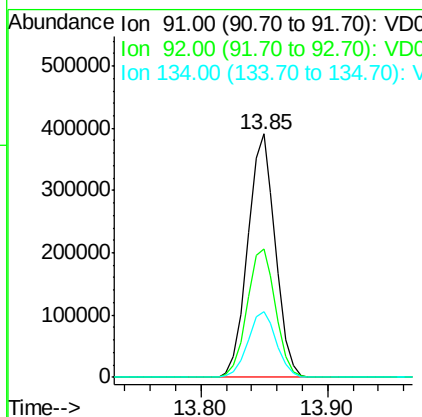
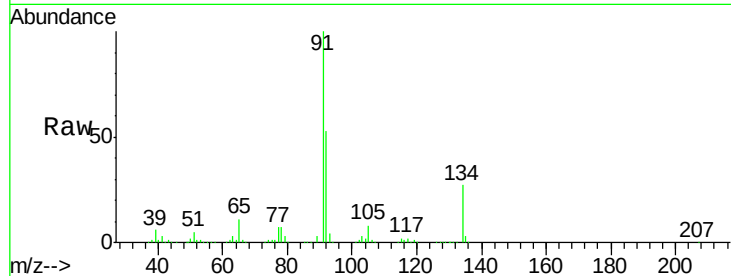
#89
n-Butylbenzene
Concen: 46.543 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.6	26.8	80.3	
134	28.0	14.0	41.9	

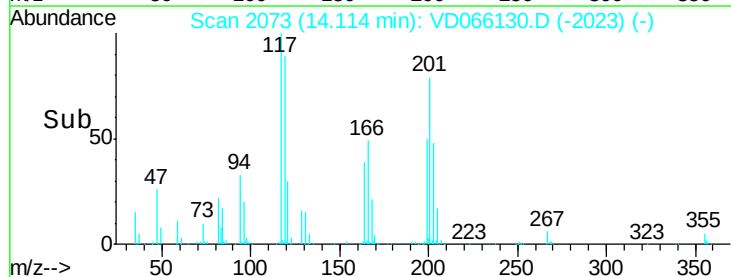
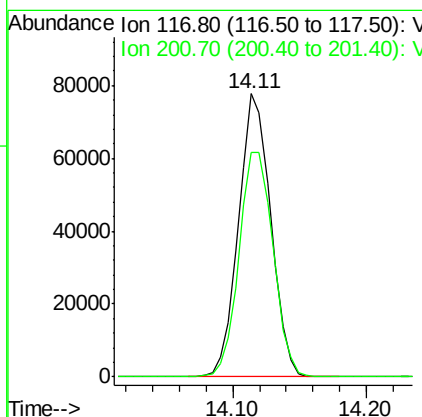
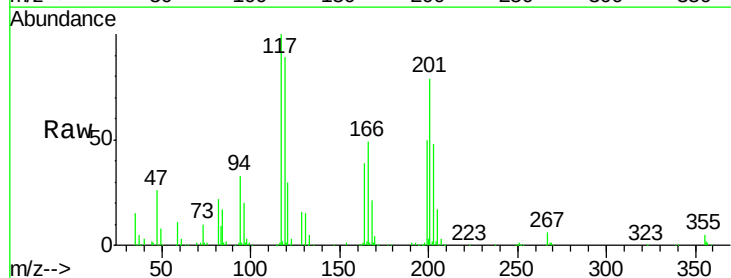
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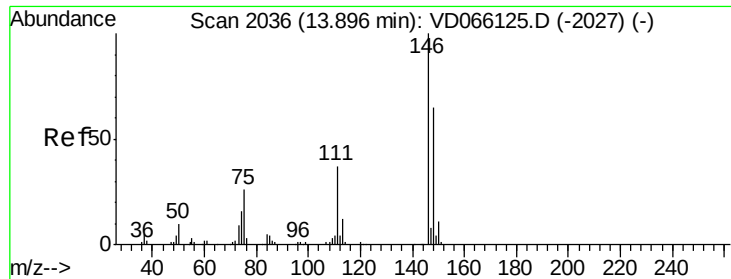
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#90
Hexachloroethane
Concen: 46.003 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.9	42.7	128.1	





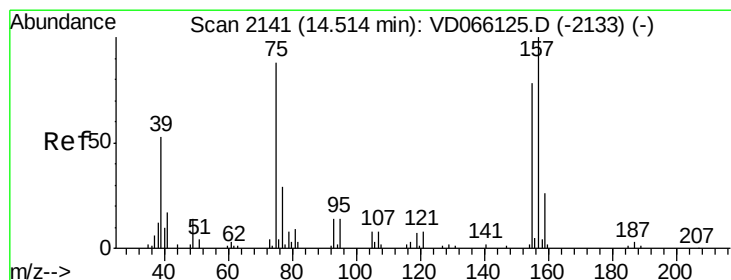
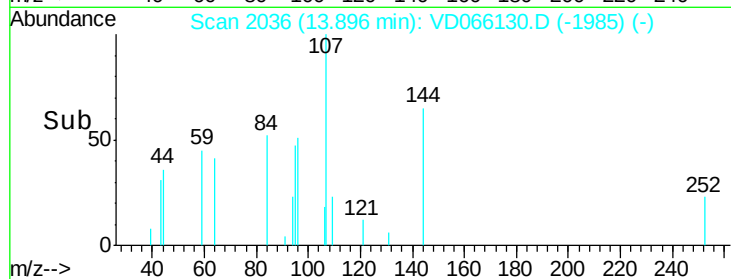
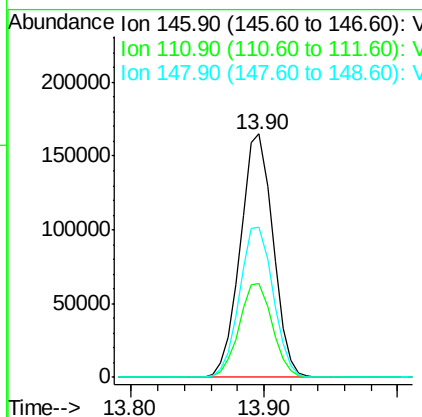
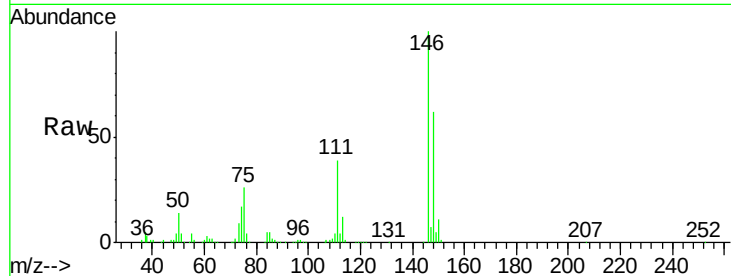
#91
 1,2-Dichlorobenzene
 Concen: 43.087 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.8	56.3
148	63.2	31.9	95.5

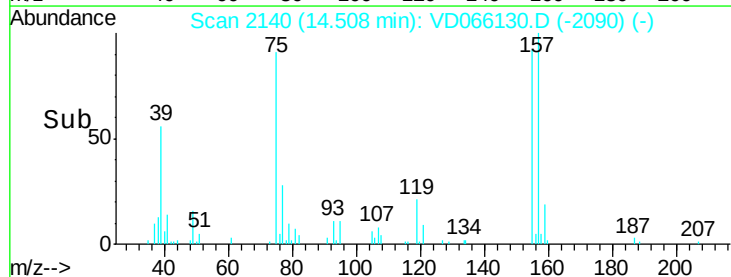
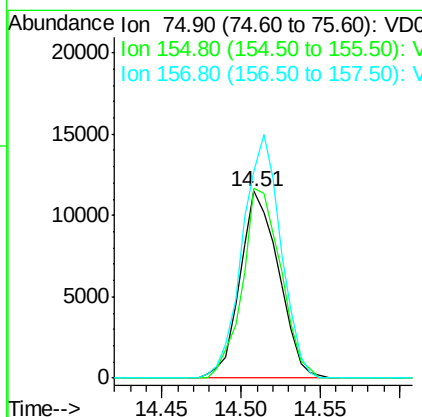
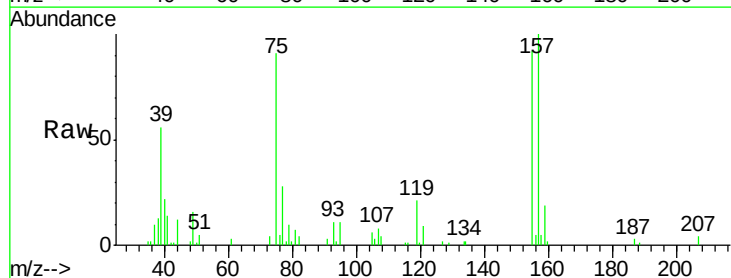
Manual Integrations
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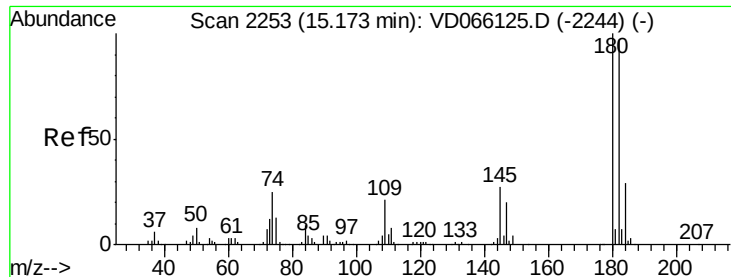
MMDadoda
 8/7/2020 12:48:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.755 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.7	47.7	143.1
157	129.0	62.1	186.2





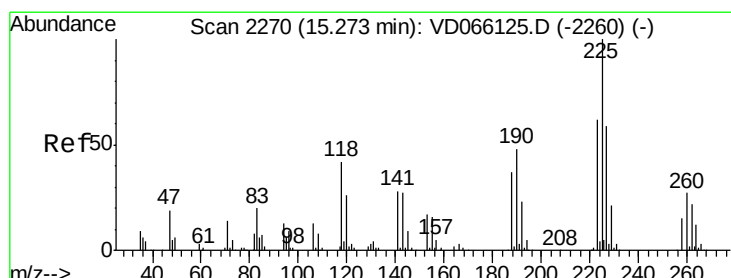
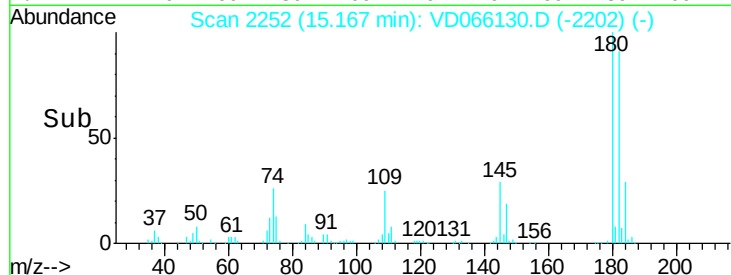
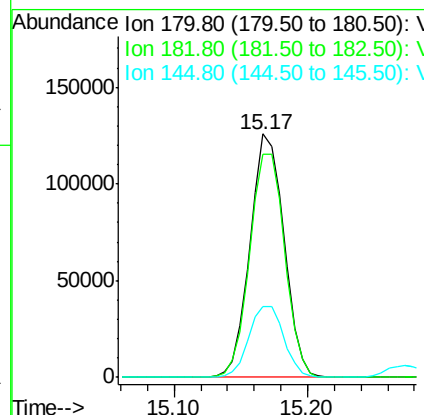
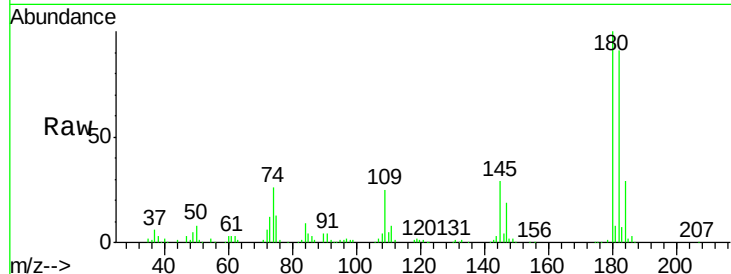
#93
 1,2,4-Trichlorobenzene
 Concen: 46.149 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	220886		
182	94.6	47.4	142.2	
145	30.2	14.5	43.6	

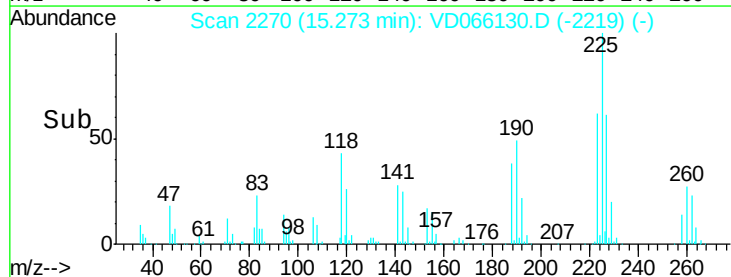
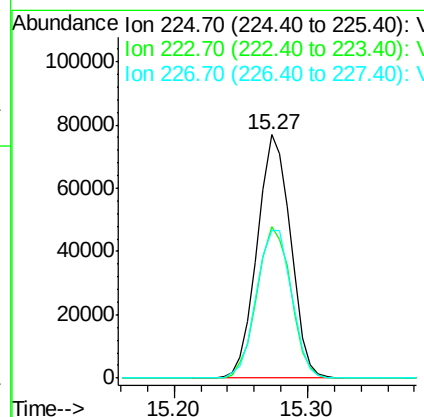
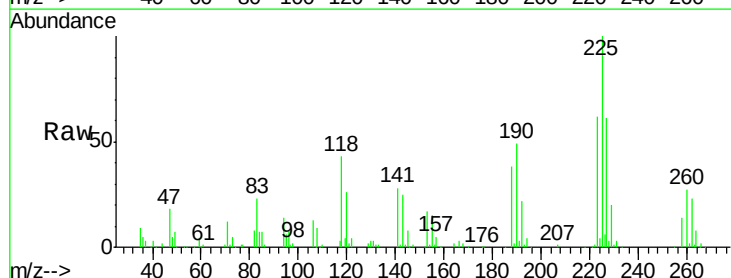
Manual Integrations
 APPROVED

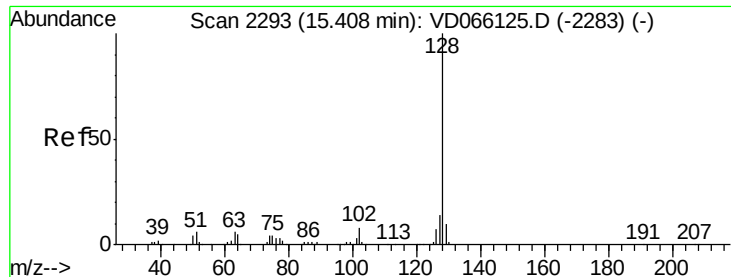
MMDadoda
 8/7/2020 12:48:28 PM



#94
 Hexachlorobutadiene
 Concen: 47.277 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066130.D
 Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133251		
223	63.4	32.3	96.9	
227	64.1	32.1	96.5	





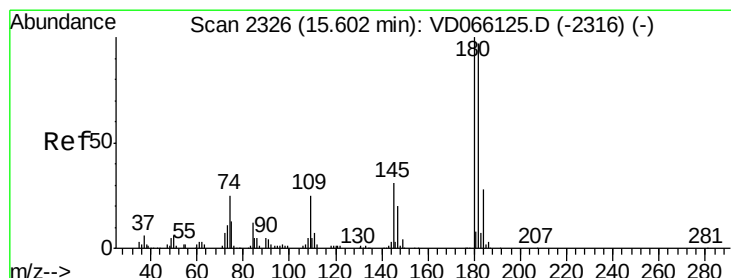
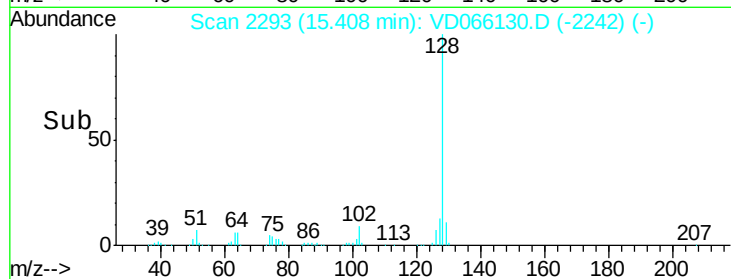
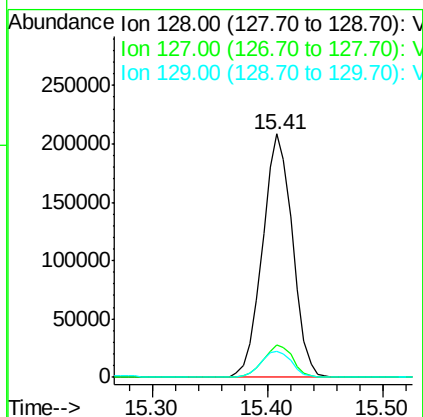
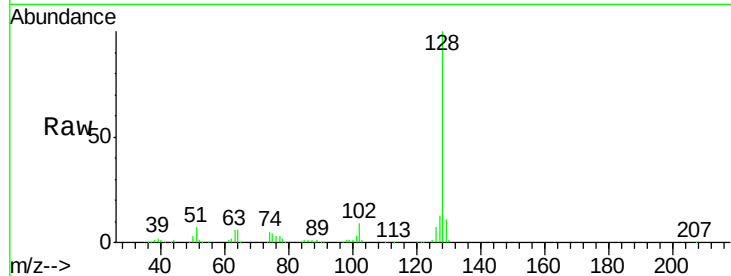
#95
Naphthalene
Concen: 48.283 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.0	16.4
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.913 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066130.D
Acq: 06 Aug 2020 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.4
145	31.0	14.9	44.9

