

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081120\
 Data File : VD066179.D
 Acq On : 11 Aug 2020 11:16
 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
 8/12/2020 3:57:40 PM

Quant Time: Aug 11 15:22:49 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	338615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	485550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	441386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	150380	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.91	113	155551	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	583119	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.63	95	203242	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	119475	40.048	ug/l	97
3) Chloromethane	2.20	50	99232	42.760	ug/l	99
4) Vinyl Chloride	2.34	62	99466	48.412	ug/l	100
5) Bromomethane	2.76	94	64704	47.468	ug/l	98
6) Chloroethane	2.92	64	60075	47.634	ug/l	91
7) Trichlorofluoromethane	3.27	101	238305	44.489	ug/l	99
8) Diethyl Ether	3.70	74	67432	44.616	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	146567	46.106	ug/l	99
10) Methyl Iodide	4.30	142	156539	53.540	ug/l	97
11) Tert butyl alcohol	5.22	59	46986	200.817	ug/l	98
12) 1,1-Dichloroethene	4.06	96	136167	45.407	ug/l	95
13) Acrolein	3.91	56	60253	250.572	ug/l	100
14) Allyl chloride	4.70	41	218511	48.097	ug/l	98
15) Acrylonitrile	5.41	53	151585	238.008	ug/l	98
16) Acetone	4.15	43	169481	295.673	ug/l	99
17) Carbon Disulfide	4.40	76	419807	44.029	ug/l	99
18) Methyl Acetate	4.71	43	64253	44.131	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	313443	45.602	ug/l	98
20) Methylene Chloride	4.96	84	157470	47.613	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	160056	46.461	ug/l	92
22) Diisopropyl ether	6.36	45	423947	47.189	ug/l	99
23) Vinyl Acetate	6.30	43	1276512	242.533	ug/l	98
24) 1,1-Dichloroethane	6.26	63	256834	46.194	ug/l	98
25) 2-Butanone	7.21	43	202834	240.588	ug/l	98
26) 2,2-Dichloropropane	7.20	77	242514	48.666	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	168497	46.632	ug/l	100
28) Bromochloromethane	7.54	49	99731	51.071	ug/l	96
29) Tetrahydrofuran	7.56	42	122082	233.721	ug/l	99
30) Chloroform	7.70	83	268600	46.008	ug/l	99
31) Cyclohexane	7.98	56	234113	44.234	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	248794	45.451	ug/l	98
36) 1,1-Dichloropropene	8.10	75	213243	46.736	ug/l	98
37) Ethyl Acetate	7.28	43	87285	48.282	ug/l	97
38) Carbon Tetrachloride	8.09	117	235430	46.271	ug/l	98

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Quant Time: Aug 11 15:22:49 2020
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	265409	48.120	ug/l	98
40) Benzene	8.34	78	585263	46.239	ug/l	99
41) Methacrylonitrile	7.51	41	45340m	42.656	ug/l	
42) 1,2-Dichloroethane	8.42	62	171225	46.049	ug/l	100
43) Isopropyl Acetate	8.44	43	167767	47.100	ug/l	99
44) Trichloroethene	9.11	130	177324	46.492	ug/l	96
45) 1,2-Dichloropropane	9.38	63	145431	46.979	ug/l	97
46) Dibromomethane	9.47	93	80184	47.024	ug/l	100
47) Bromodichloromethane	9.66	83	207611	46.067	ug/l	95
48) Methyl methacrylate	9.45	41	88014	48.392	ug/l	99
49) 1,4-Dioxane	9.46	88	19264	879.355	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	435399	237.975	ug/l	100
52) Toluene	10.40	92	391044	46.951	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	205485	48.045	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	237251	47.347	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	113574	46.256	ug/l	98
56) Ethyl methacrylate	10.66	69	143514	48.656	ug/l	98
57) 1,3-Dichloropropane	10.94	76	190641	46.769	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	370939	279.583	ug/l	99
59) 2-Hexanone	10.98	43	316434	246.435	ug/l	98
60) Dibromochloromethane	11.14	129	152175	44.892	ug/l	98
61) 1,2-Dibromoethane	11.24	107	108867	46.104	ug/l	99
64) Tetrachloroethene	10.87	164	152507	44.996	ug/l	98
65) Chlorobenzene	11.67	112	415970	46.424	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	161687	46.119	ug/l	99
67) Ethyl Benzene	11.74	91	741812	47.775	ug/l	98
68) m/p-Xylenes	11.86	106	564984	93.915	ug/l	98
69) o-Xylene	12.18	106	260066	47.522	ug/l	100
70) Styrene	12.20	104	458942	47.853	ug/l	100
71) Bromoform	12.36	173	93857	45.185	ug/l #	99
73) Isopropylbenzene	12.48	105	731419	48.963	ug/l	100
74) N-amyl acetate	12.29	43	163301	49.643	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	119587	46.948	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	79821m	42.772	ug/l	
77) Bromobenzene	12.76	156	178766	46.488	ug/l	96
78) n-propylbenzene	12.82	91	846499	48.748	ug/l	100
79) 2-Chlorotoluene	12.91	91	474549	47.782	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	610454	48.864	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	41567	49.237	ug/l	98
82) 4-Chlorotoluene	13.01	91	502357	47.916	ug/l	99
83) tert-Butylbenzene	13.23	119	523235	47.624	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	608012	48.631	ug/l	100
85) sec-Butylbenzene	13.40	105	732859	49.405	ug/l	100
86) p-Isopropyltoluene	13.52	119	684841	49.225	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	340158	47.066	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	340859	47.291	ug/l	99
89) n-Butylbenzene	13.85	91	628925	50.455	ug/l	99
90) Hexachloroethane	14.11	117	130432	47.007	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	296972	46.463	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19505	44.553	ug/l	98

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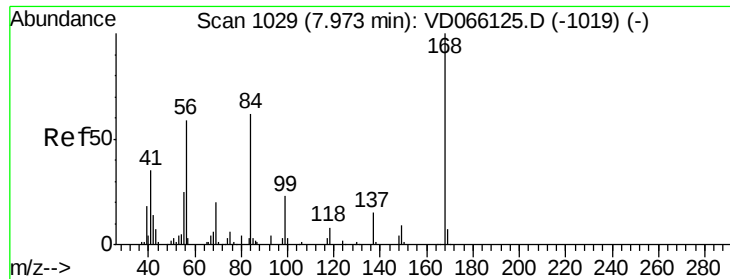
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	228276	48.464	ug/l	99
94) Hexachlorobutadiene	15.28	225	132481	47.764	ug/l	99
95) Naphthalene	15.41	128	378296	49.290	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	194592	46.799	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 338615

Ion Ratio Lower Upper

168 100

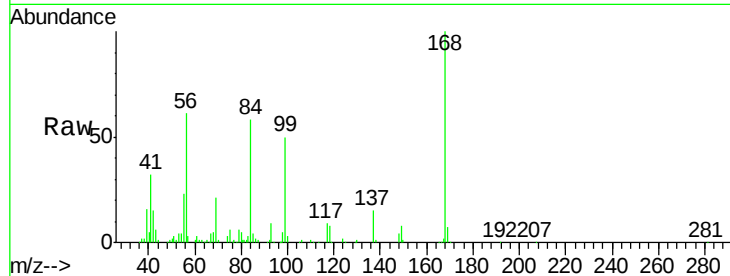
99 50.3 42.2 63.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

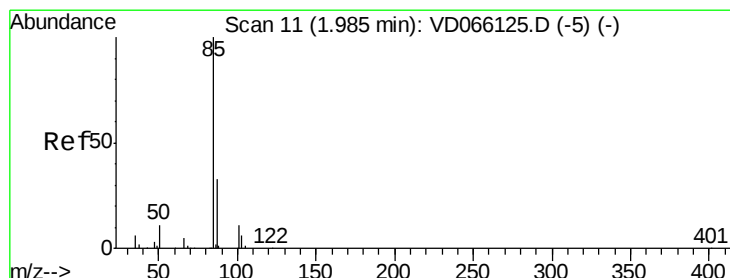
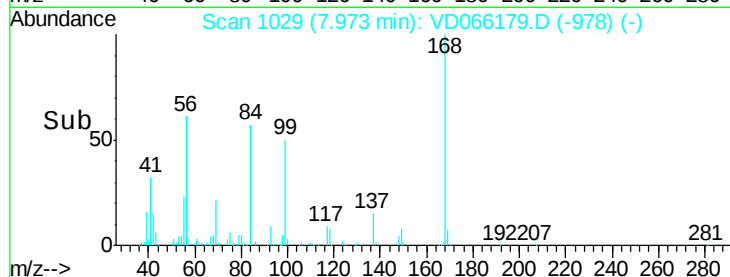
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.048 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066179.D

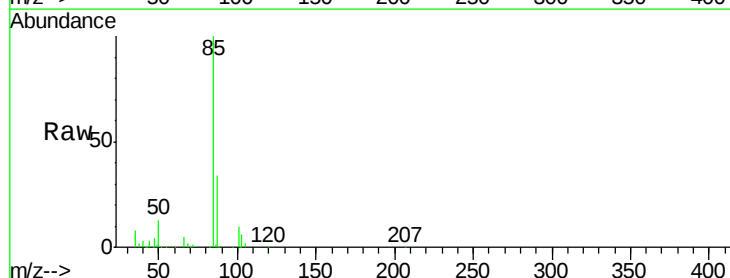
Acq: 11 Aug 2020 11:16

Tgt Ion: 85 Resp: 119475

Ion Ratio Lower Upper

85 100

87 34.2 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

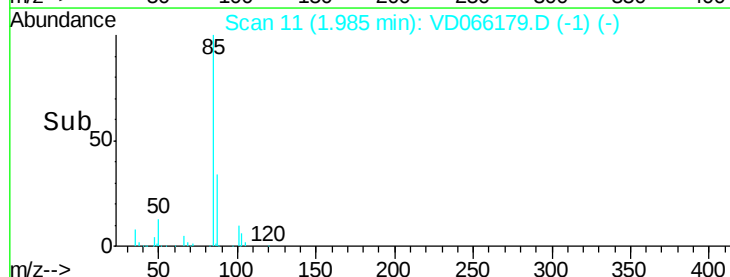
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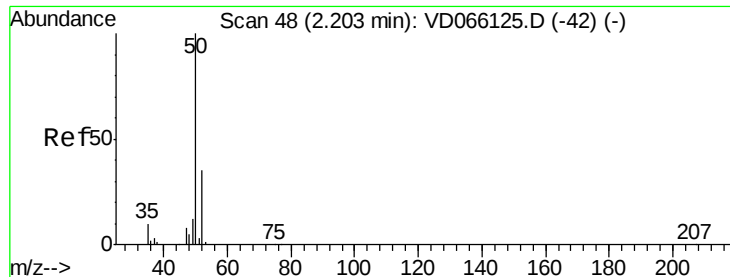
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 42.760 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 99232

Ion Ratio Lower Upper

50 100

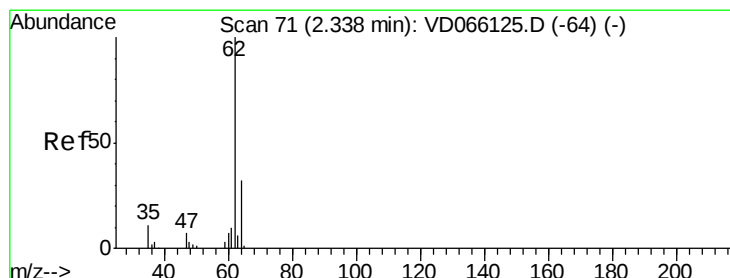
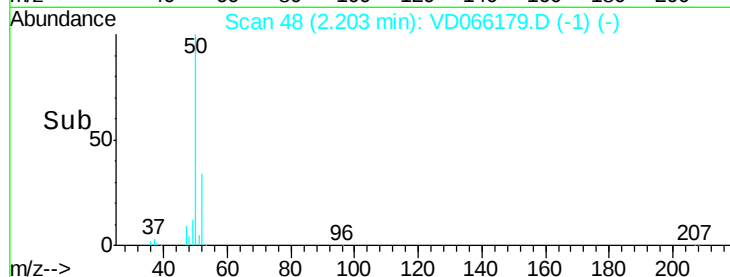
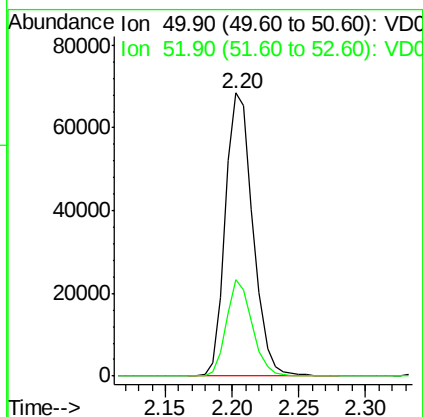
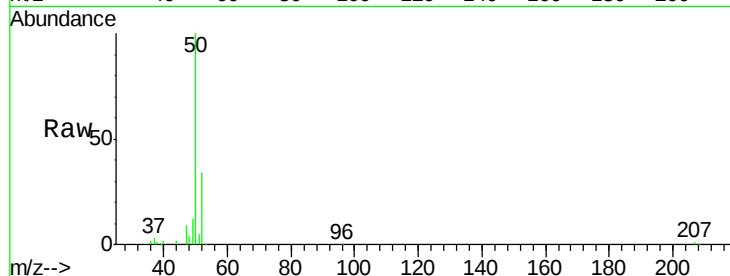
52 34.3 27.9 41.9

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 48.412 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066179.D

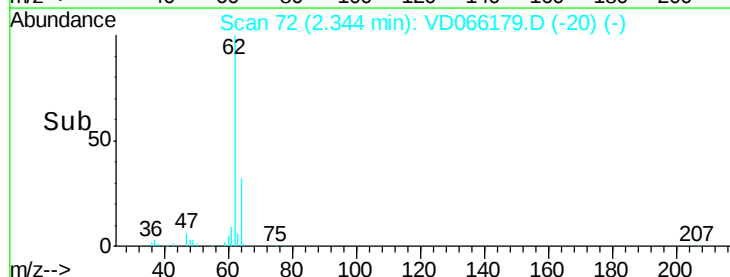
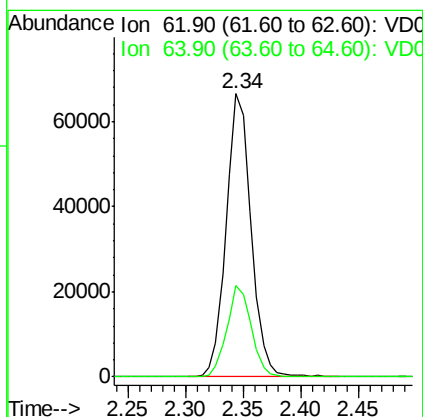
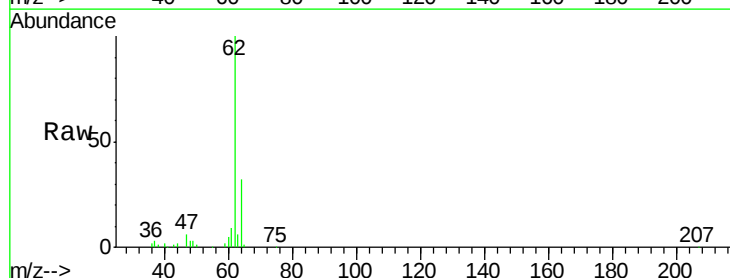
Acq: 11 Aug 2020 11:16

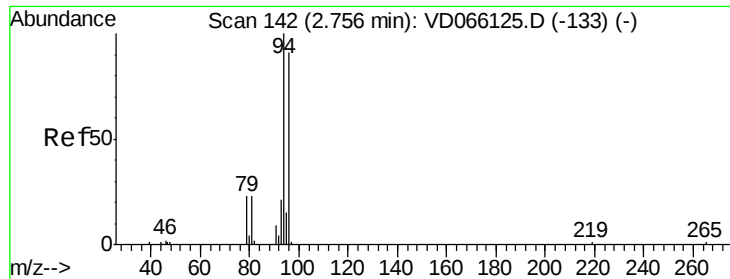
Tgt Ion: 62 Resp: 99466

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8





#5

Bromomethane

Concen: 47.468 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 64704

Ion Ratio Lower Upper

94 100

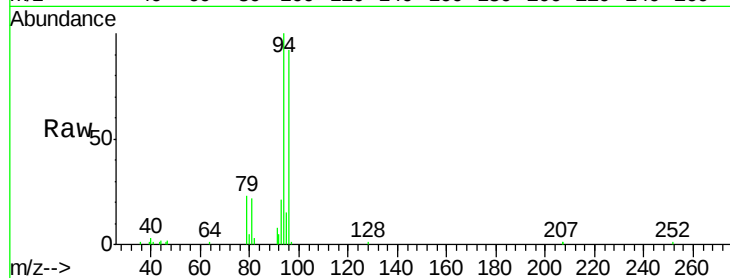
96 92.5 72.6 109.0

Manual Integrations

APPROVED

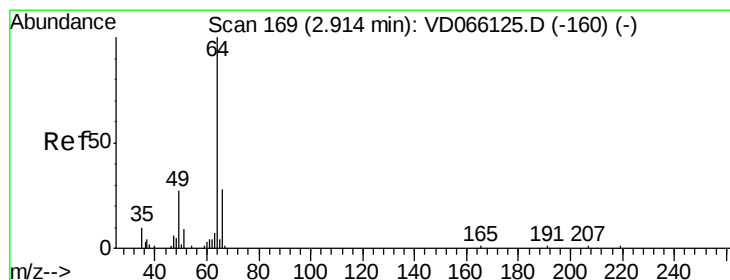
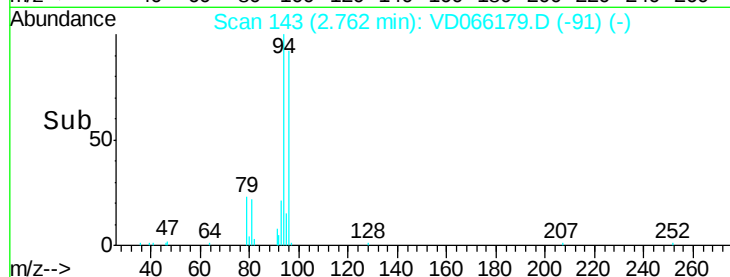
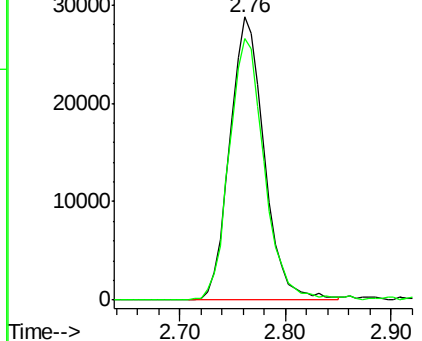
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.634 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066179.D

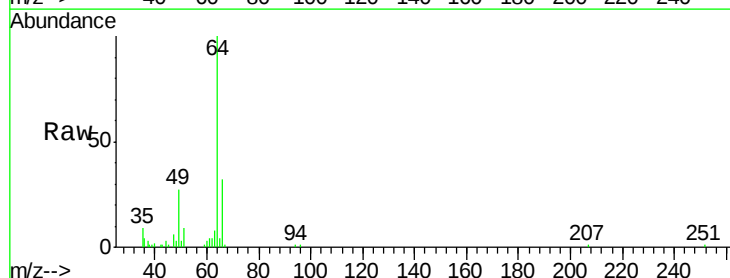
Acq: 11 Aug 2020 11:16

Tgt Ion: 64 Resp: 60075

Ion Ratio Lower Upper

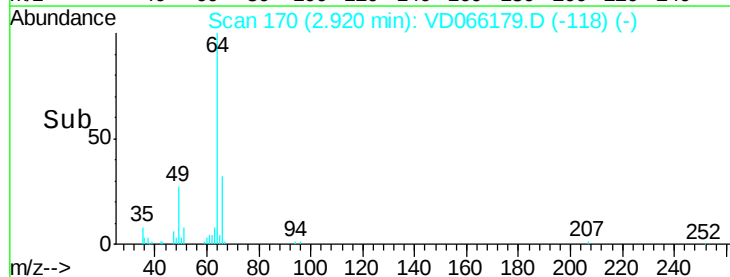
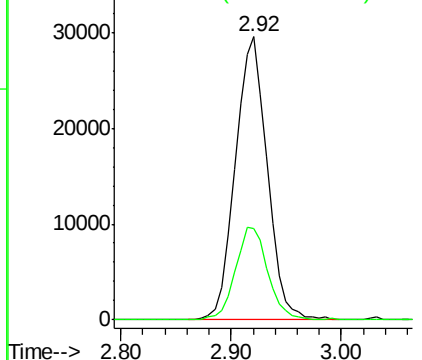
64 100

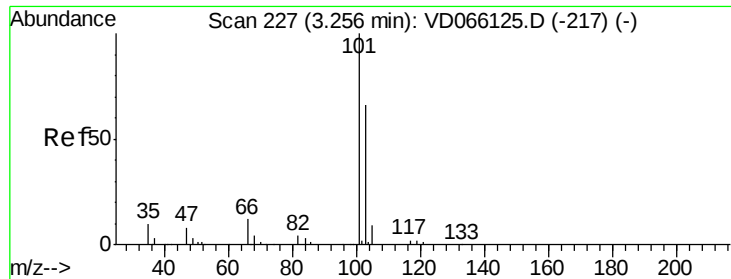
66 32.4 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

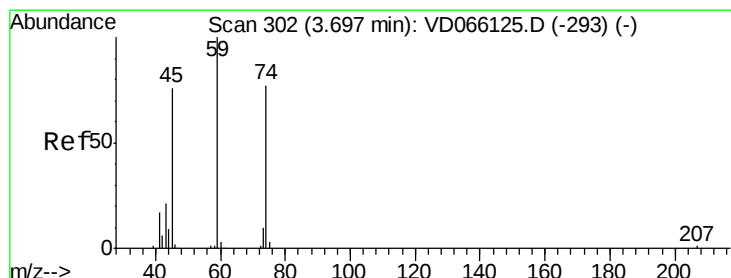
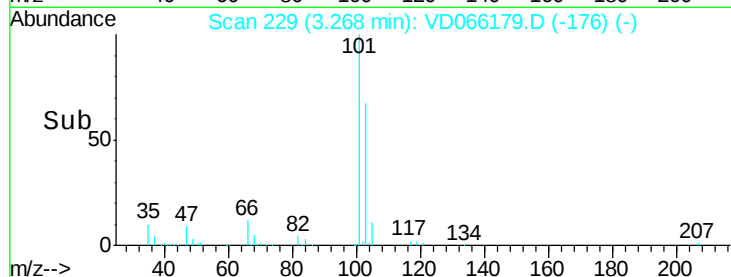
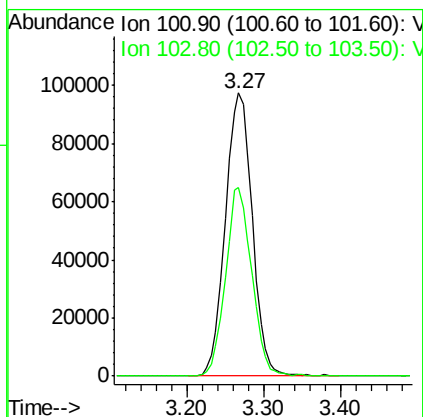
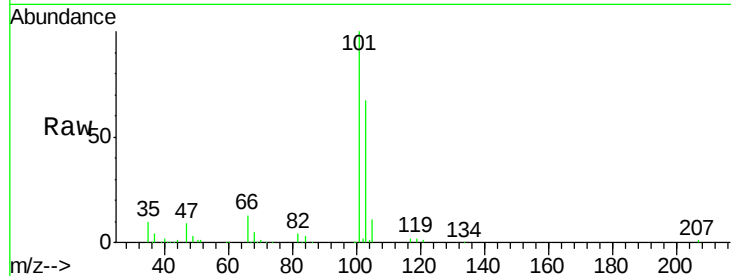
Trichlorofluoromethane
 Concen: 44.489 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	238305		
103	66.8	53.0	79.6	

Manual Integrations
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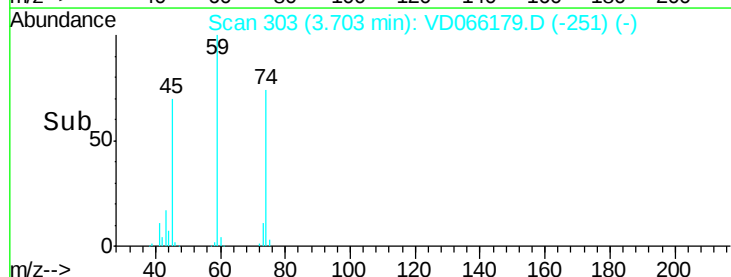
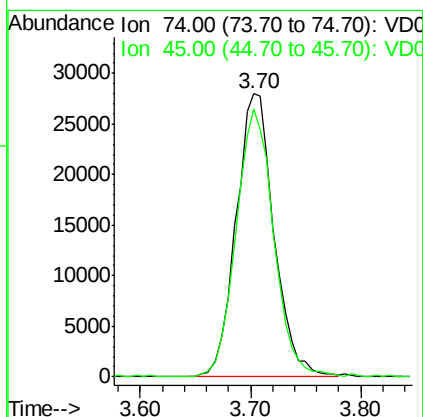
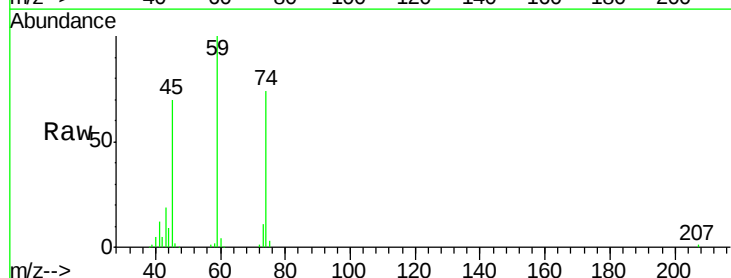
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 8/12/2020 3:57:40 PM

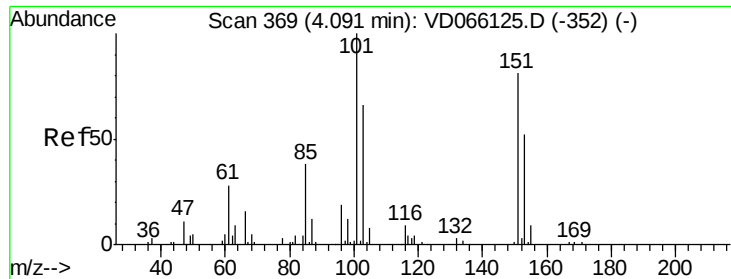


#8

Diethyl Ether
 Concen: 44.616 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	67432		
45	93.8	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.106 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

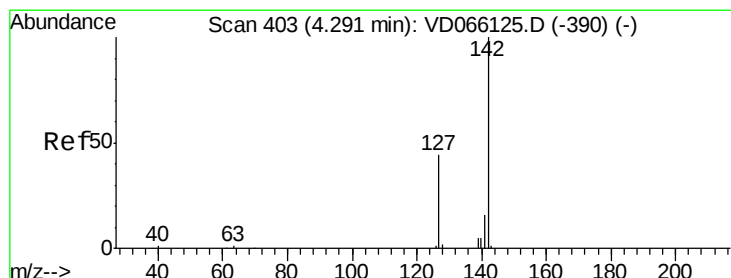
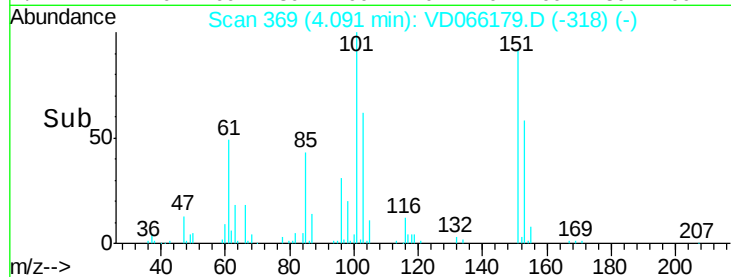
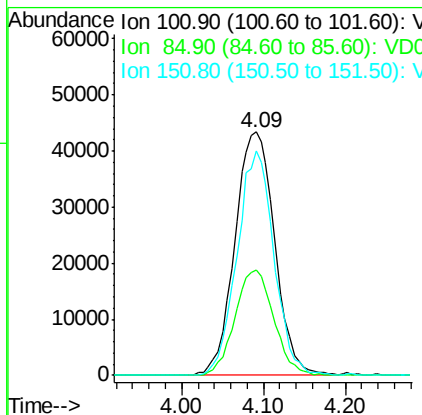
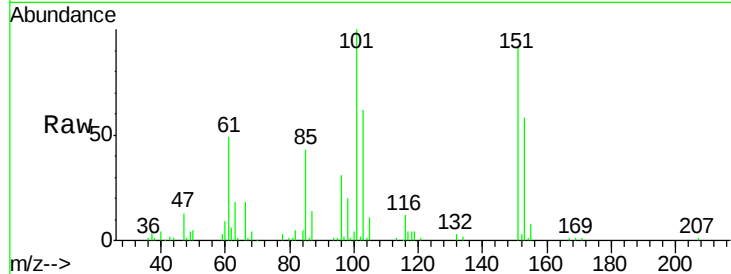
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	146567
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.5	50.3
151	85.7	67.8	101.8

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#10

Methyl Iodide

Concen: 53.540 ug/l

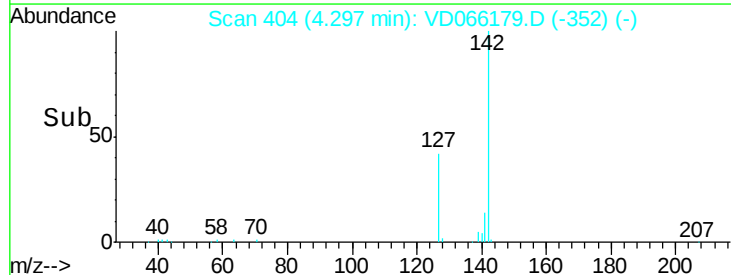
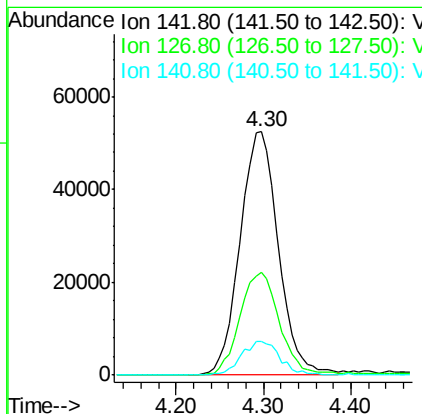
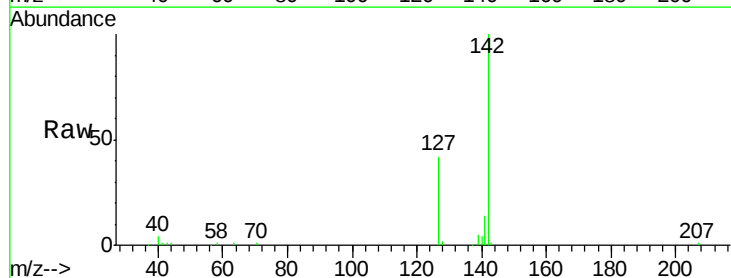
RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Tgt Ion:	142	Resp:	156539
Ion Ratio	Lower	Upper	
142	100		
127	43.6	36.2	54.4
141	14.0	12.6	18.8





#11

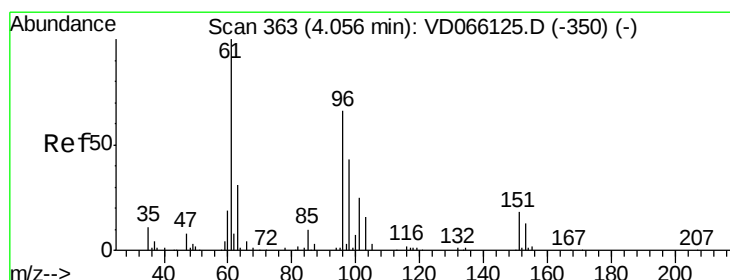
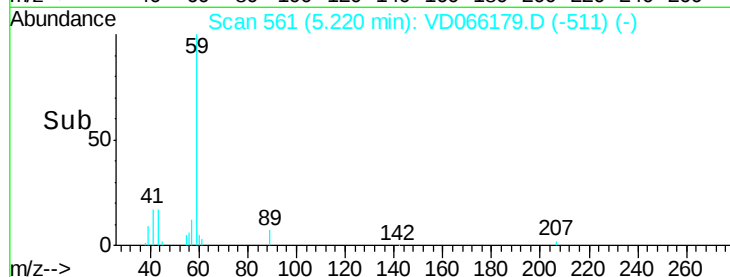
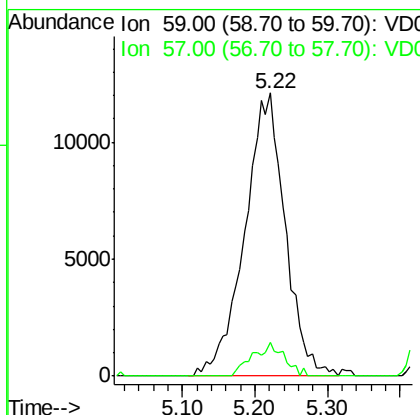
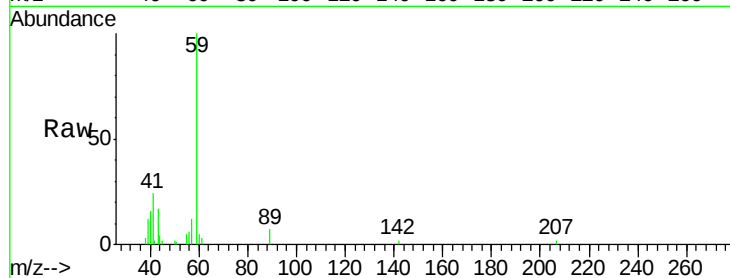
Tert butyl alcohol
Concen: 200.817 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.0	10.4

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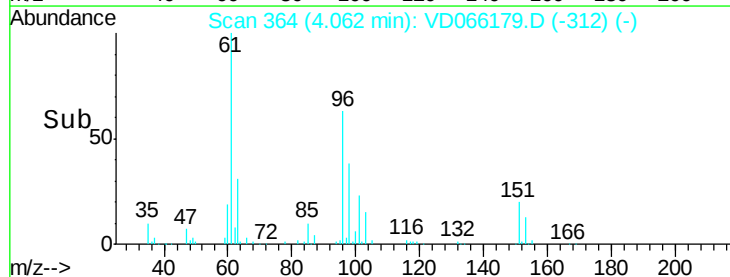
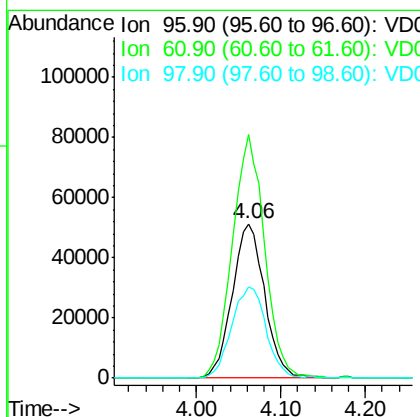
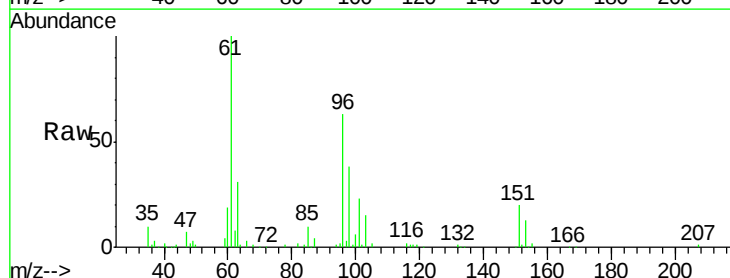
MMDadoda
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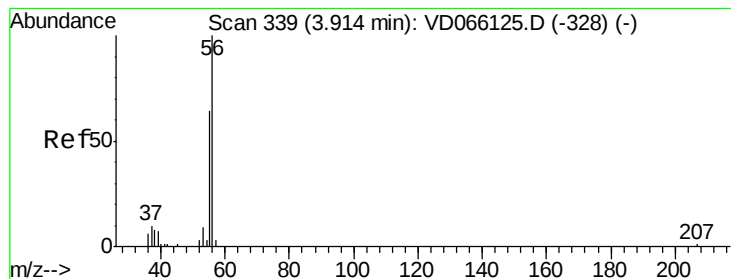


#12

1,1-Dichloroethene
Concen: 45.407 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	121.6	182.4
98	59.4	52.0	78.0





#13

Acrolein

Concen: 250.572 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 60253

Ion Ratio Lower Upper

56 100

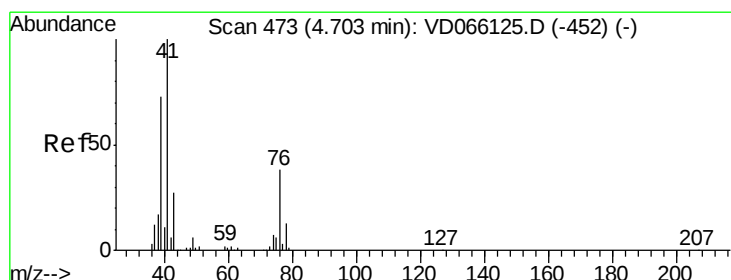
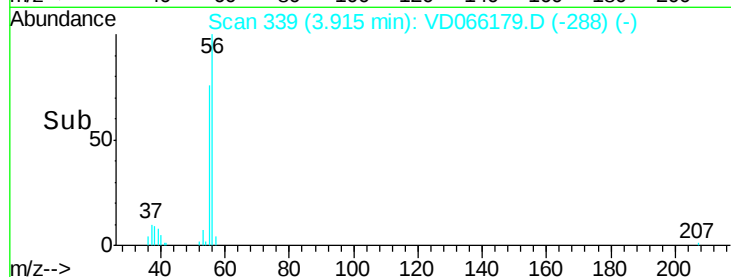
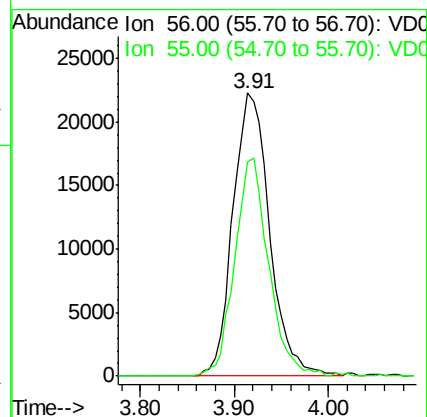
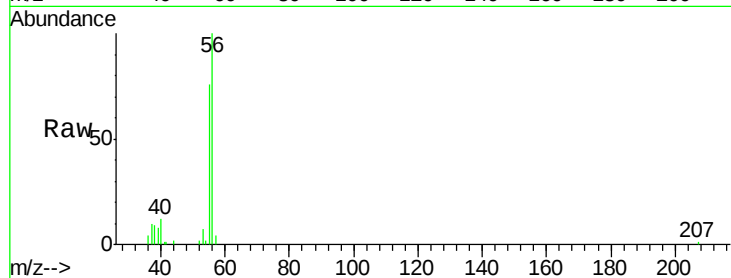
55 71.2 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 48.097 ug/l

RT: 4.70 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

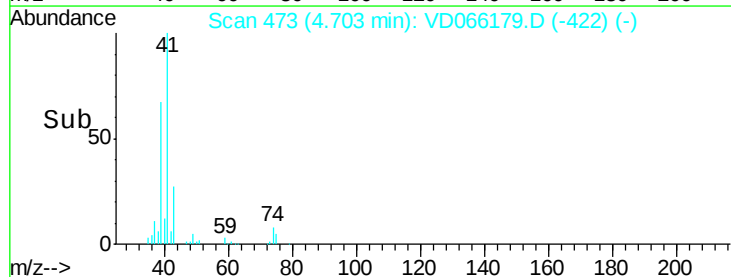
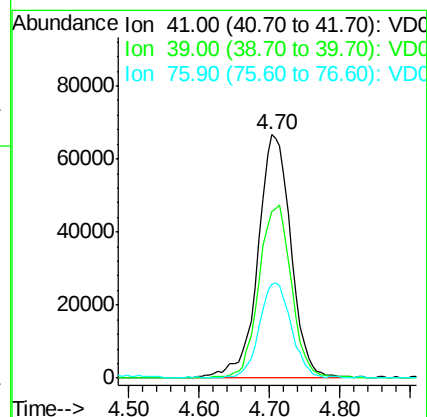
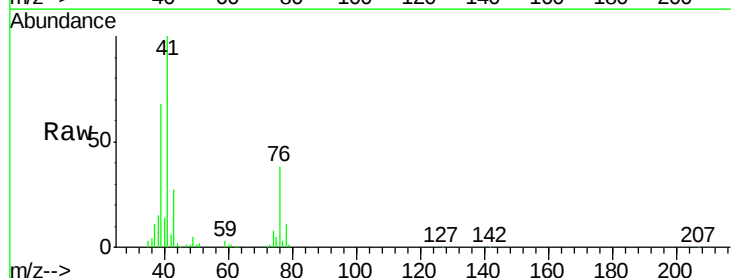
Tgt Ion: 41 Resp: 218511

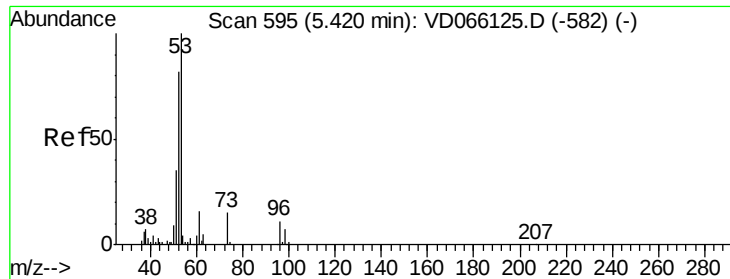
Ion Ratio Lower Upper

41 100

39 69.5 57.4 86.0

76 37.7 30.1 45.1





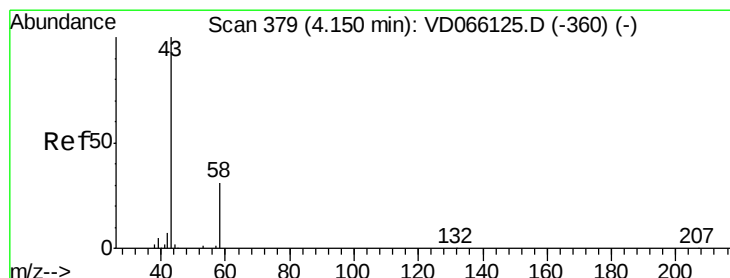
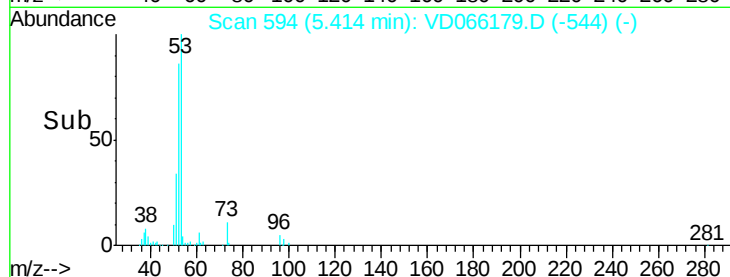
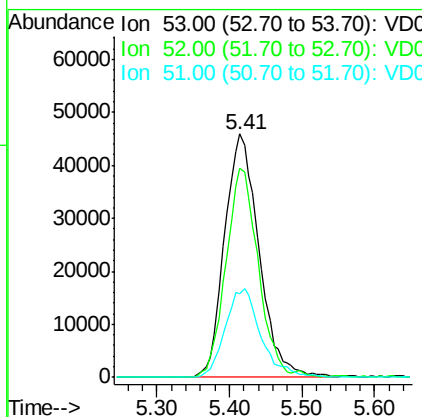
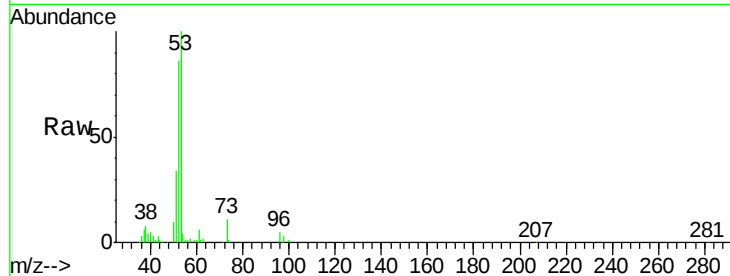
#15
 Acrylonitrile
 Concen: 238.008 ug/l
 RT: 5.41 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	151585
Ion Ratio	Lower	Upper	
53	100		
52	80.2	66.1	99.1
51	37.6	30.8	46.2

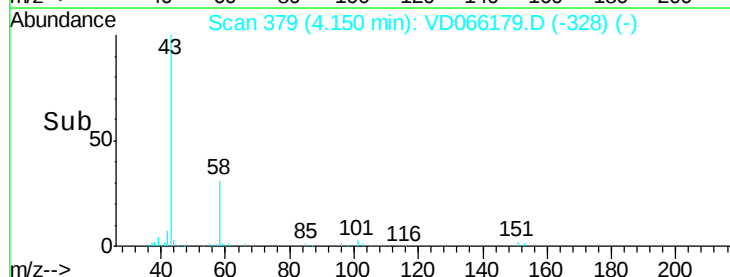
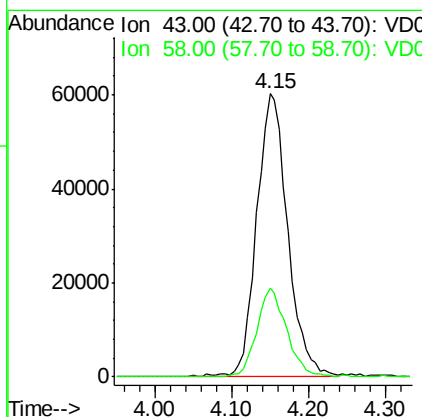
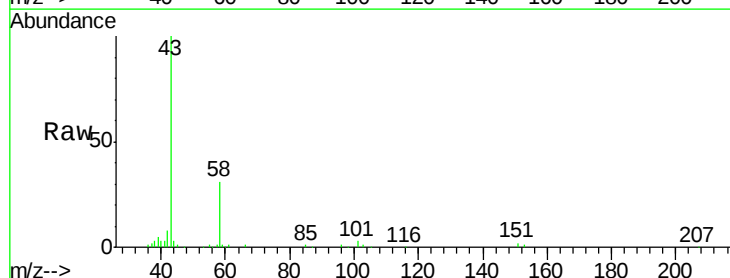
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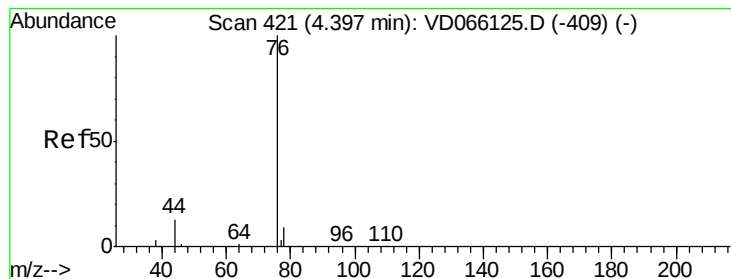
MMDadoda
 8/12/2020 3:57:40 PM



#16
 Acetone
 Concen: 295.673 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion:	43	Resp:	169481
Ion Ratio	Lower	Upper	
43	100		
58	31.2	24.7	37.1





#17

Carbon Disulfide

Concen: 44.029 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 419807

Ion Ratio Lower Upper

76 100

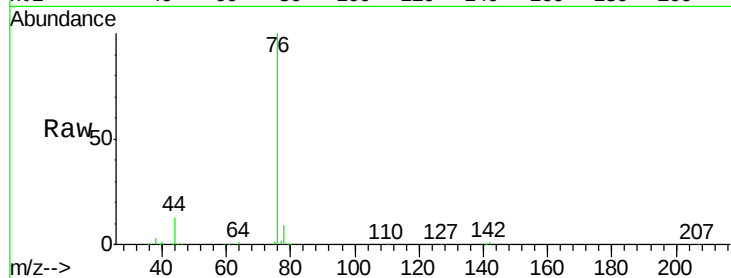
78 9.0 7.5 11.3

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

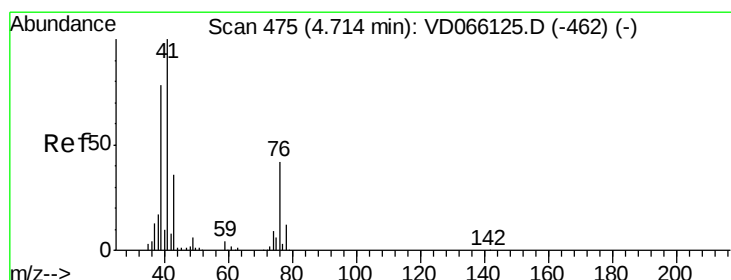
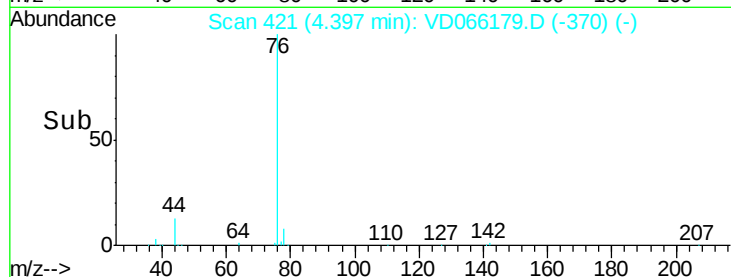
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 44.131 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066179.D

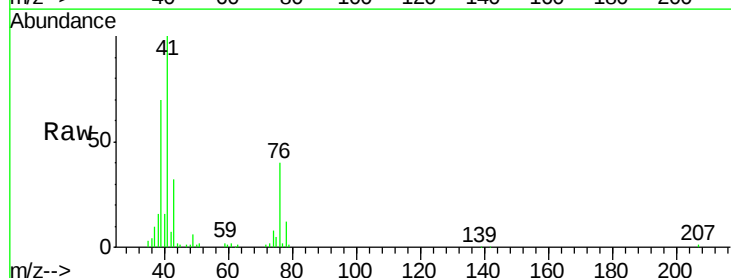
Acq: 11 Aug 2020 11:16

Tgt Ion: 43 Resp: 64253

Ion Ratio Lower Upper

43 100

74 25.4 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

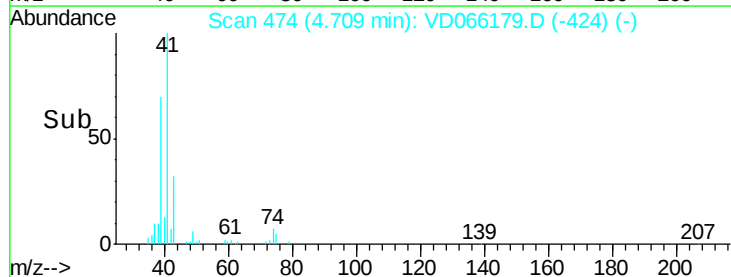
15000

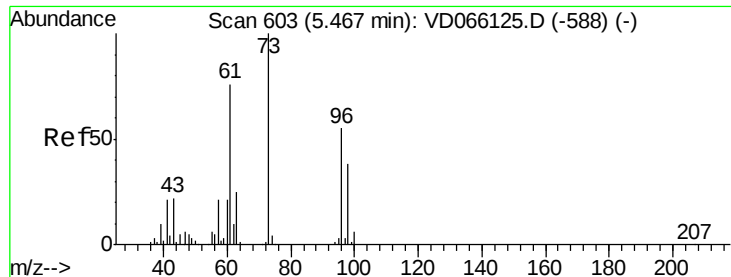
10000

5000

0

Time-->





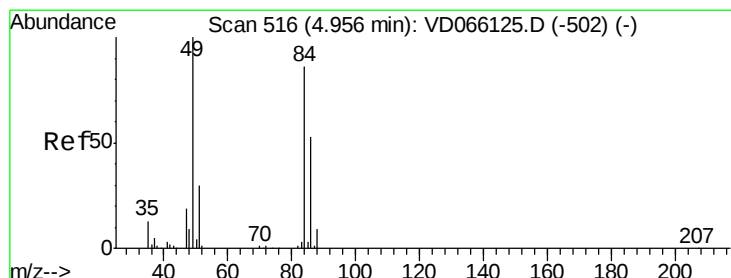
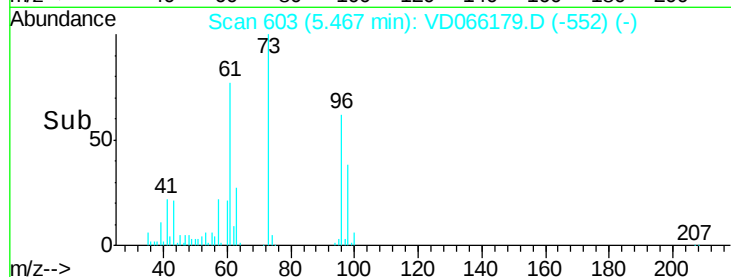
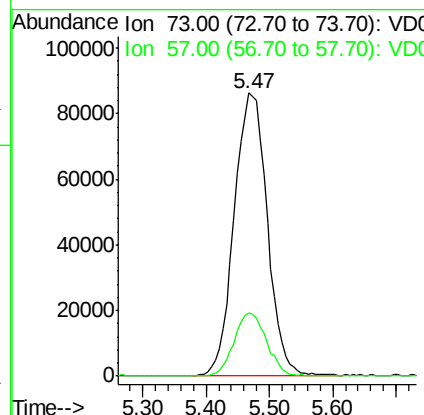
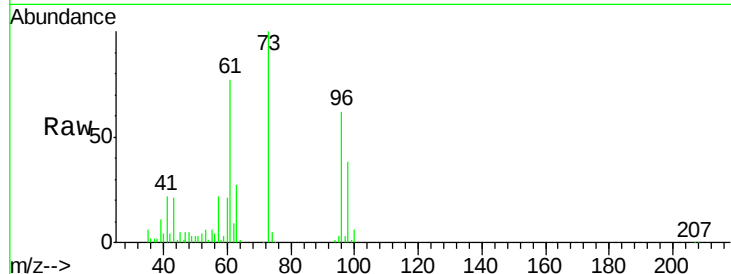
#19
Methvl tert-butvl Ether
Concen: 45.602 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.1	25.7

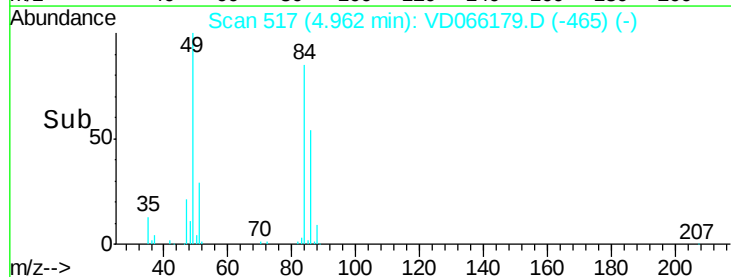
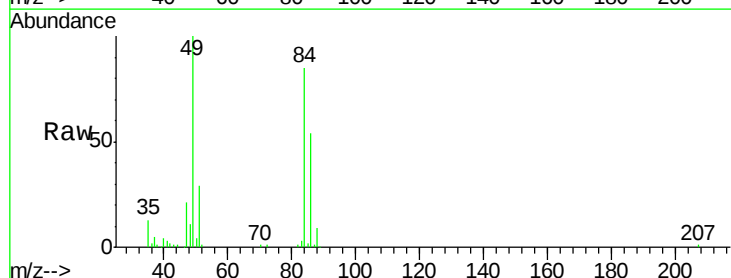
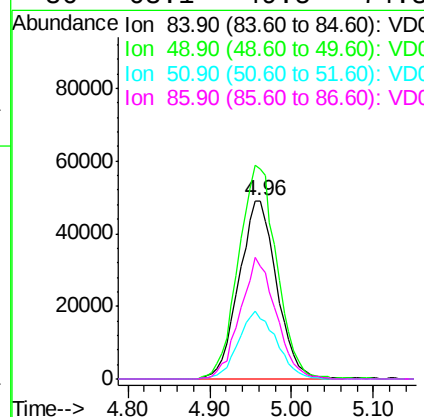
Manual Integrations
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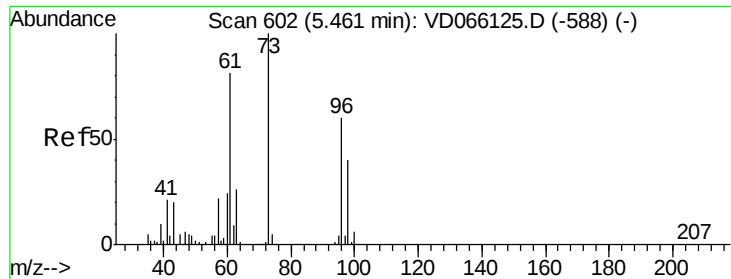
MMDadoda
8/12/2020 3:57:40 PM



#20
Methylene Chloride
Concen: 47.613 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.5	93.5	140.3
51	34.0	28.2	42.4
86	63.1	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 46.461 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

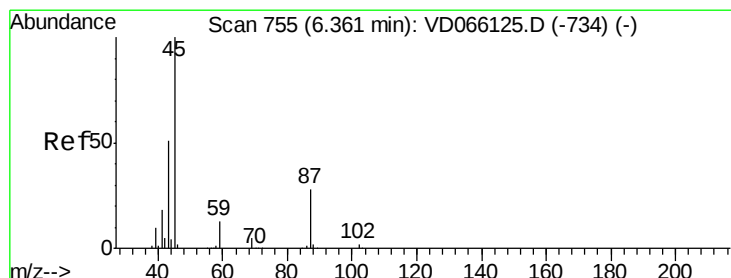
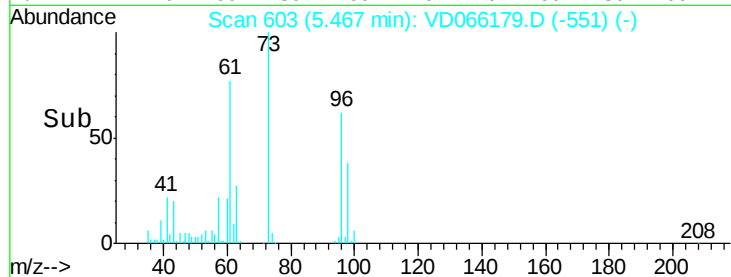
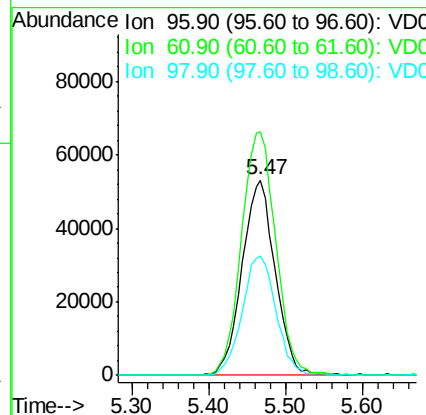
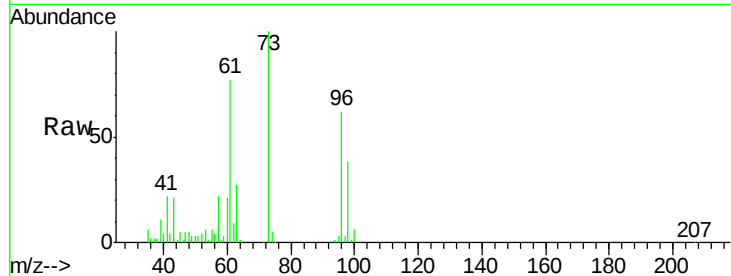
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	160056
Ion	Ratio	Lower	Upper
96	100		
61	124.5	106.9	160.3
98	61.0	53.4	80.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.189 ug/l

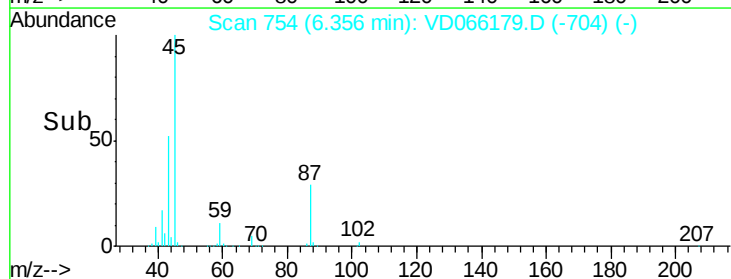
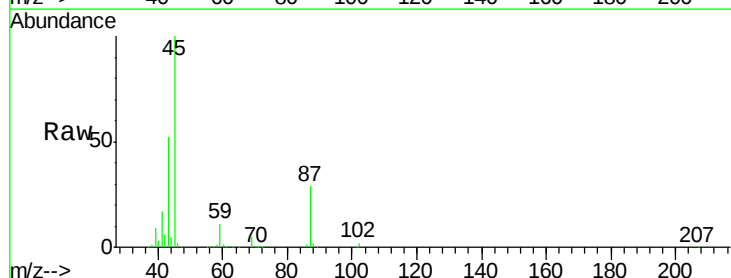
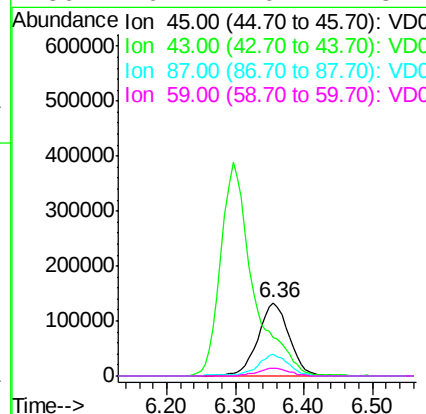
RT: 6.36 min Scan# 754

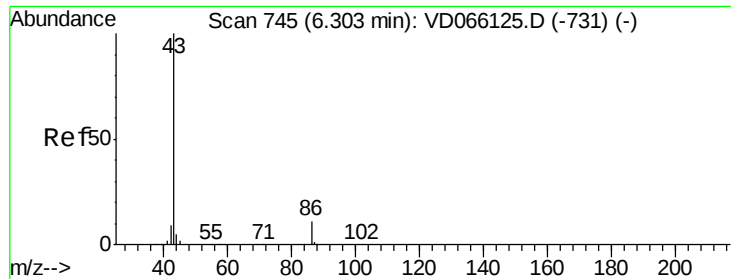
Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Tgt Ion:	45	Resp:	423947
Ion	Ratio	Lower	Upper
45	100		
43	50.8	41.2	61.8
87	28.8	22.8	34.2
59	10.7	10.2	15.2





#23

Vinyl Acetate

Concen: 242.533 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1276512

Ion Ratio Lower Upper

43 100

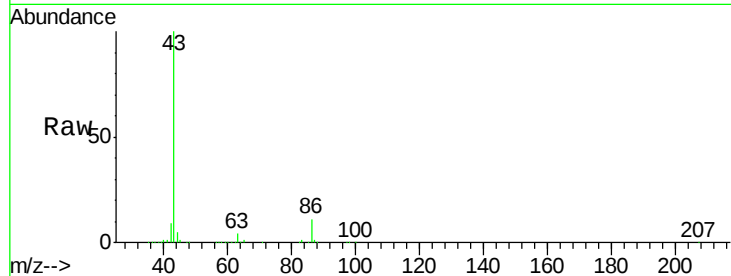
86 10.7 9.1 13.7

Manual Integrations

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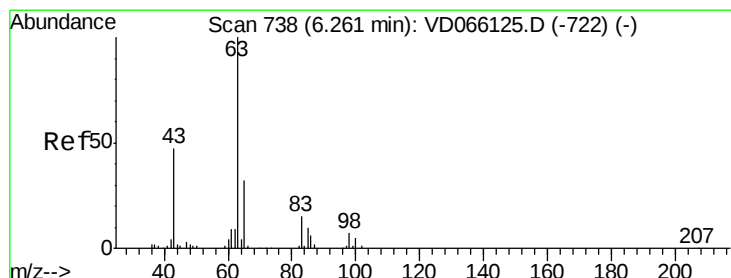
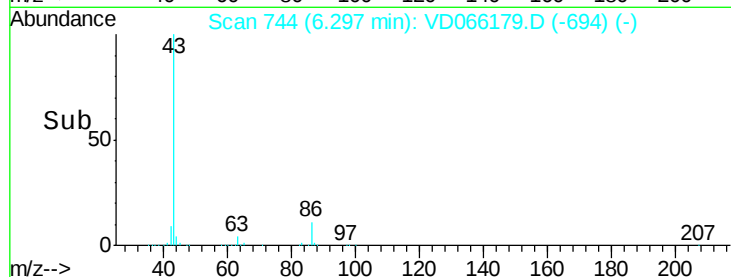
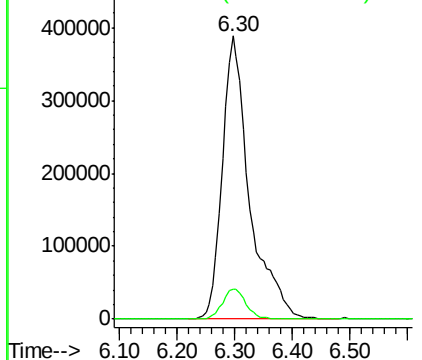
MMDadoda

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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: 46.194 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

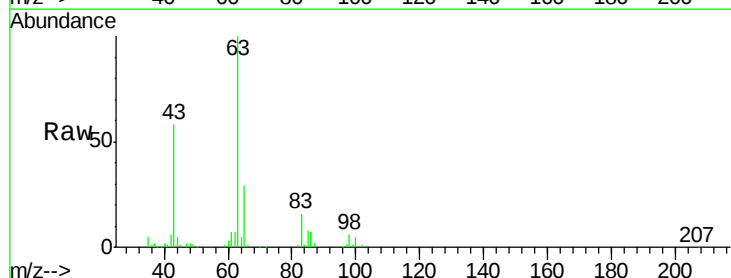
Tgt Ion: 63 Resp: 256834

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.5

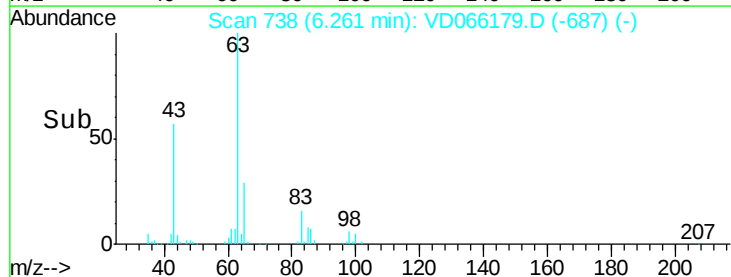
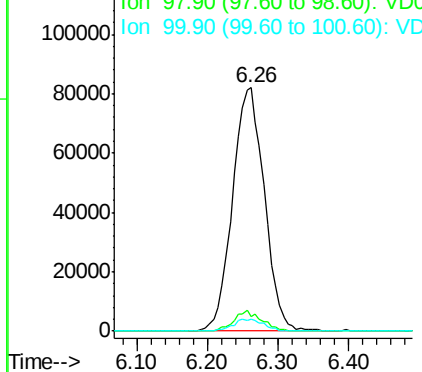
100 5.1 2.4 7.2

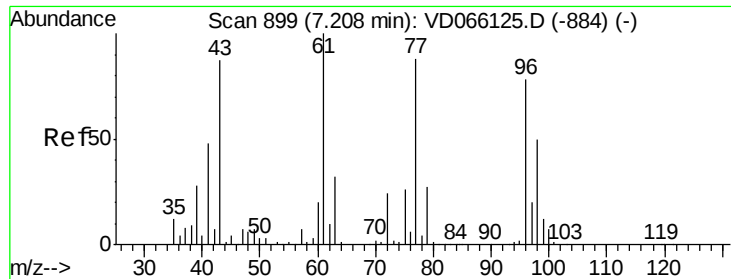


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





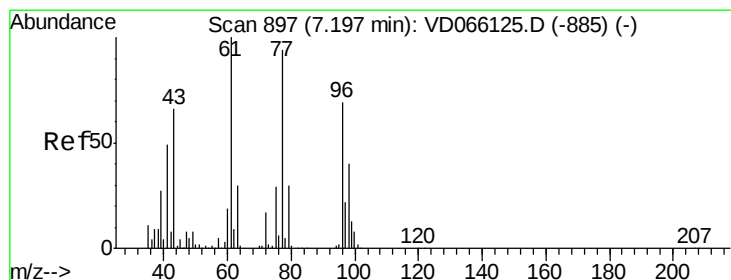
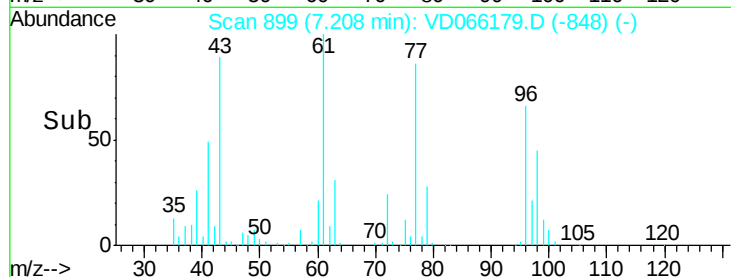
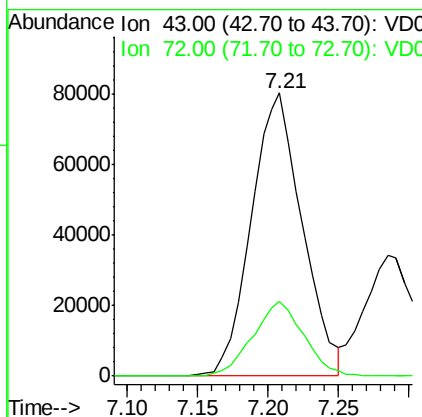
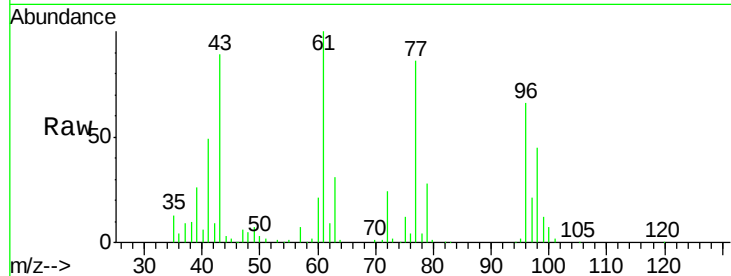
#25
2-Butanone
Concen: 240.588 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 202834
Ion Ratio Lower Upper
43 100
72 26.5 22.2 33.2

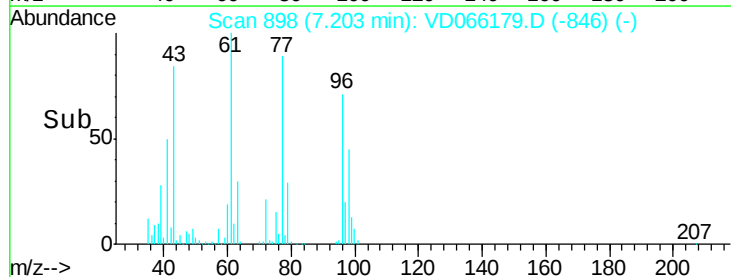
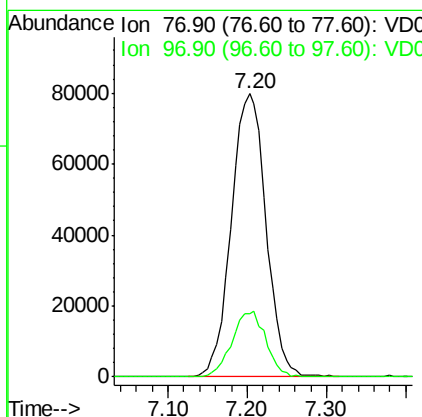
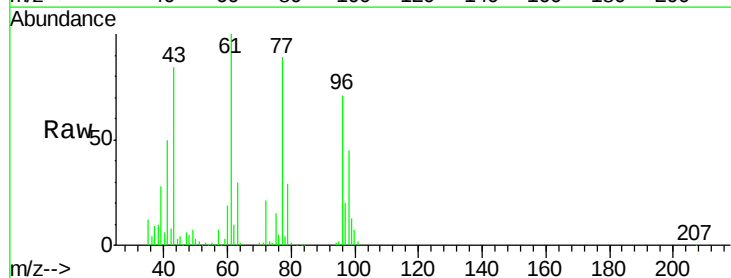
Manual Integrations
APPROVED

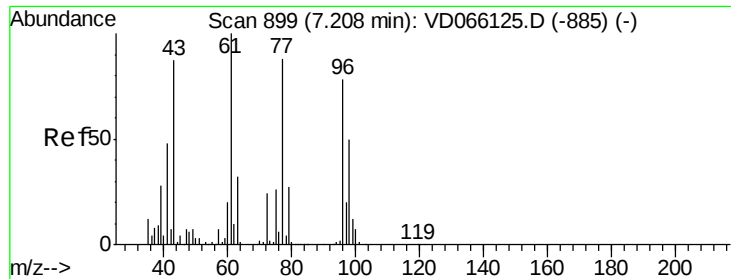
MMDadoda
8/12/2020 3:57:40 PM



#26
2,2-Dichloropropane
Concen: 48.666 ug/l
RT: 7.20 min Scan# 898
Delta R.T. 0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion: 77 Resp: 242514
Ion Ratio Lower Upper
77 100
97 22.6 11.8 35.3





#27

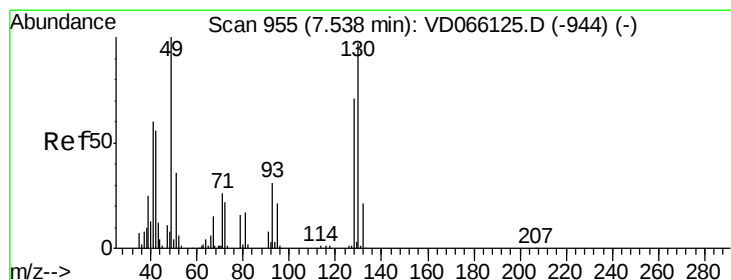
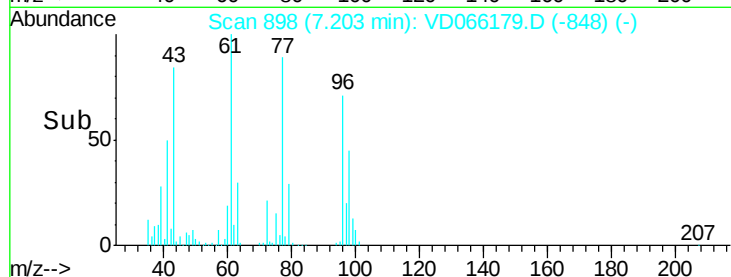
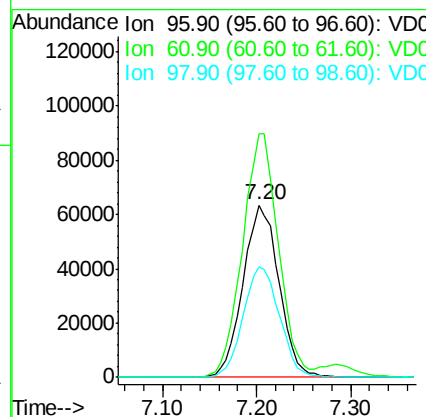
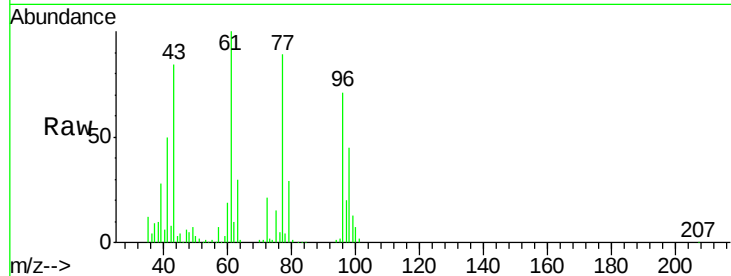
cis-1,2-Dichloroethene
 Concen: 46.632 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	168497		
61	141.0	0.0	281.6	
98	65.1	0.0	130.8	

Manual Integrations
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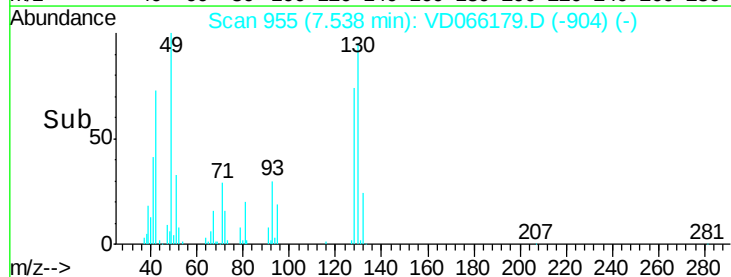
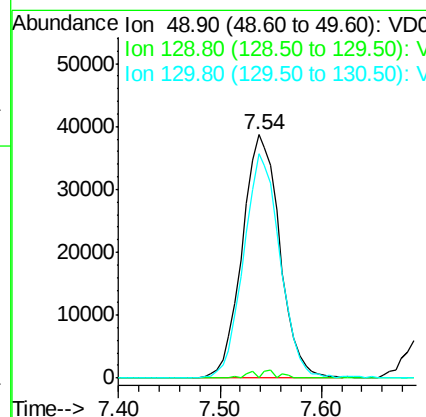
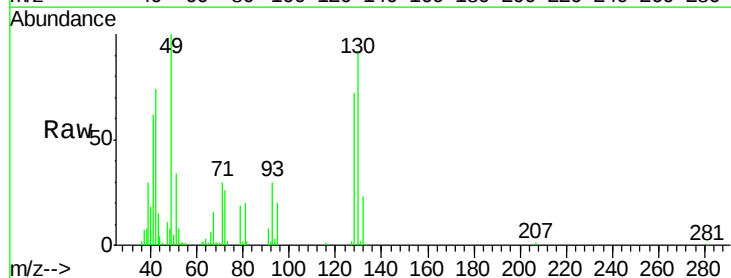
MMDadoda
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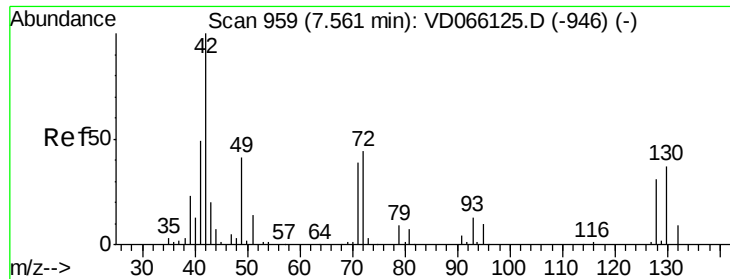


#28

Bromochloromethane
 Concen: 51.071 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99731		
129	0.7	0.0	6.0	
130	88.9	73.8	110.6	





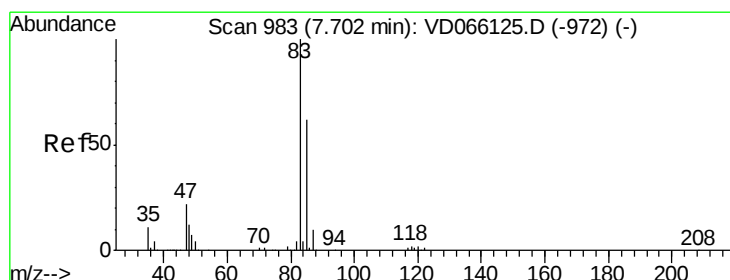
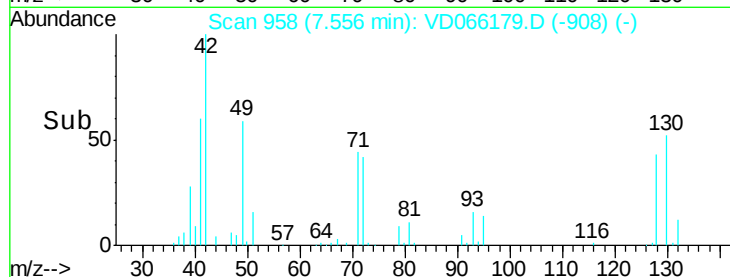
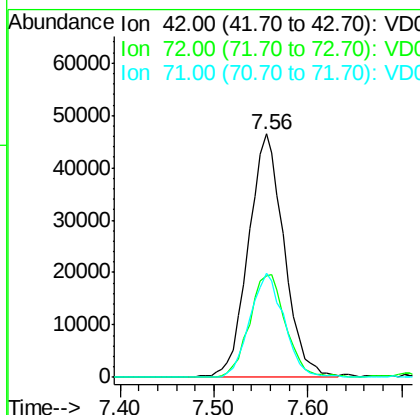
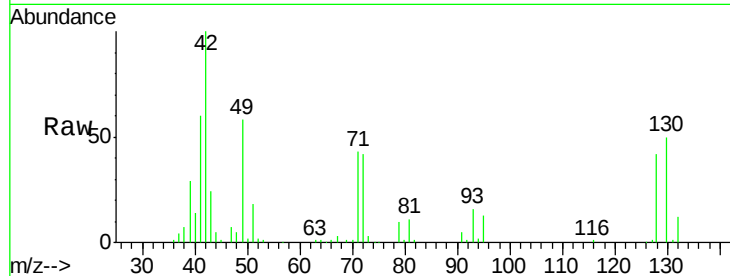
#29
Tetrahydrofuran
Concen: 233.721 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.8	52.2
71	41.1	33.5	50.3

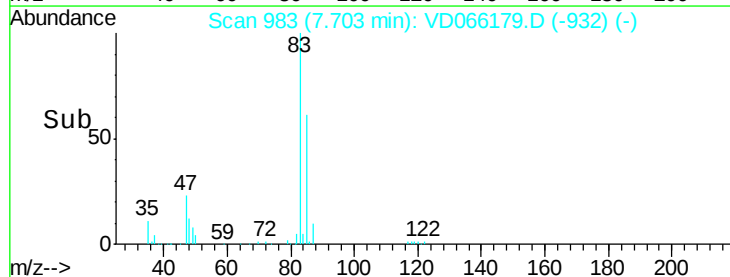
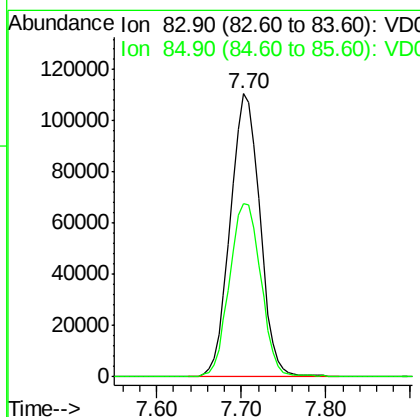
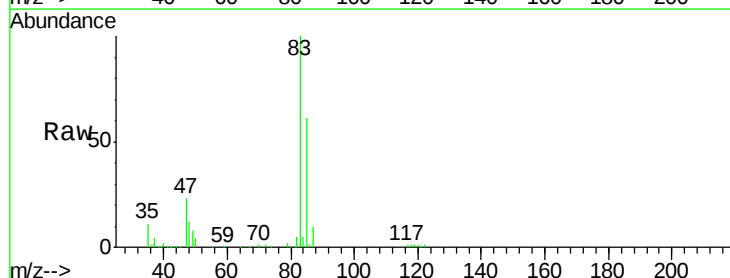
Manual Integrations
APPROVED

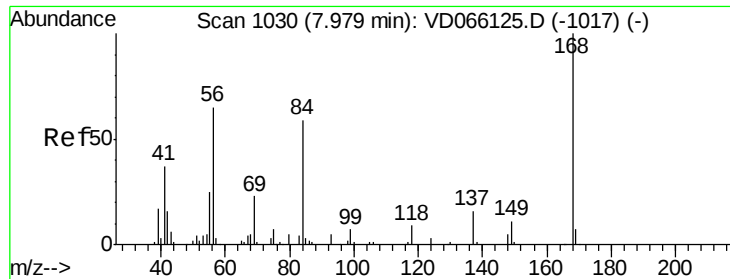
MMDadoda
8/12/2020 3:57:40 PM



#30
Chloroform
Concen: 46.008 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	49.5	74.3





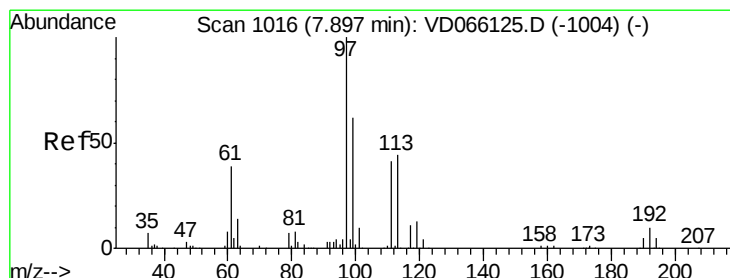
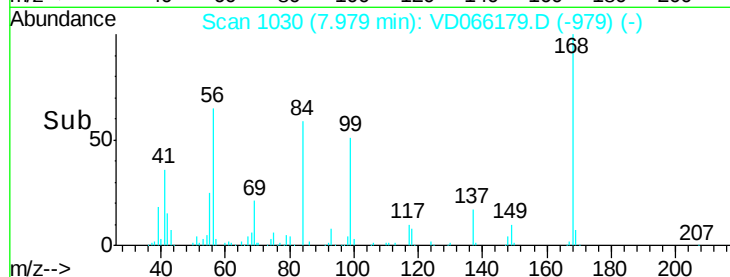
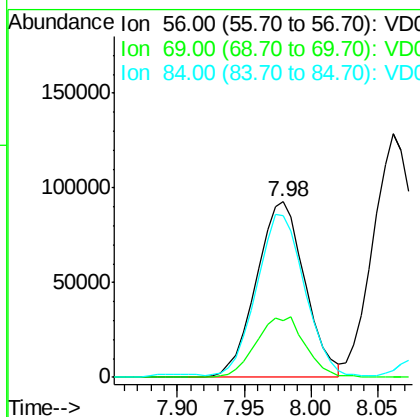
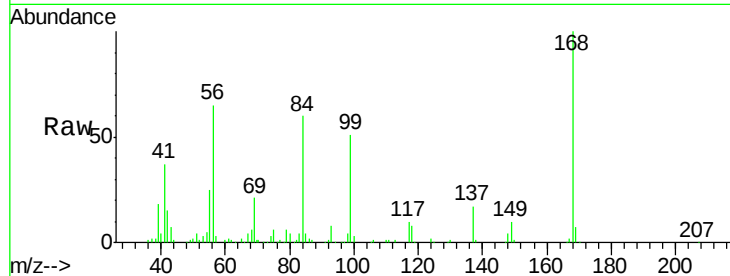
#31
Cyclohexane
Concen: 44.234 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	28.8	43.2
84	90.9	73.0	109.6

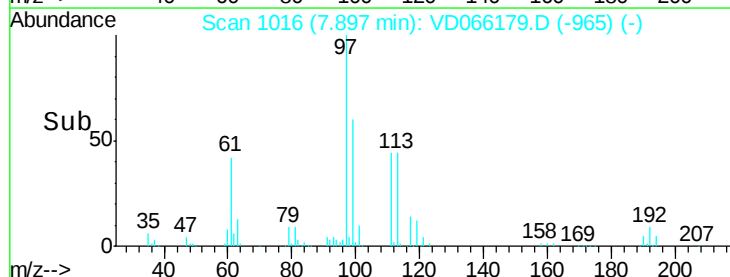
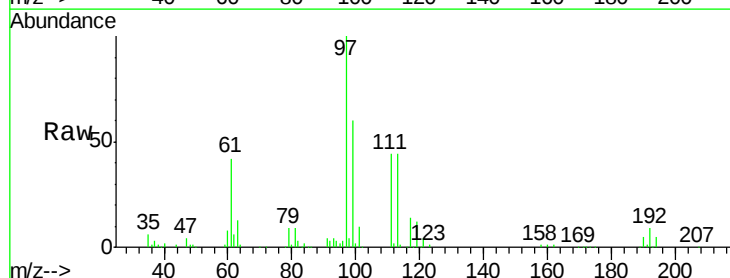
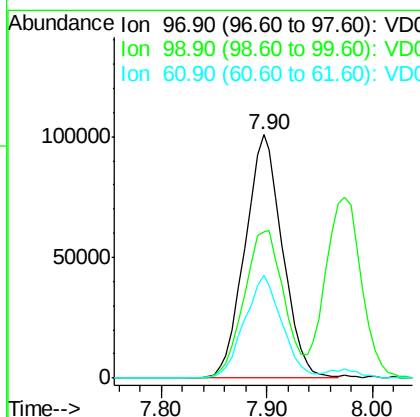
Manual Integrations
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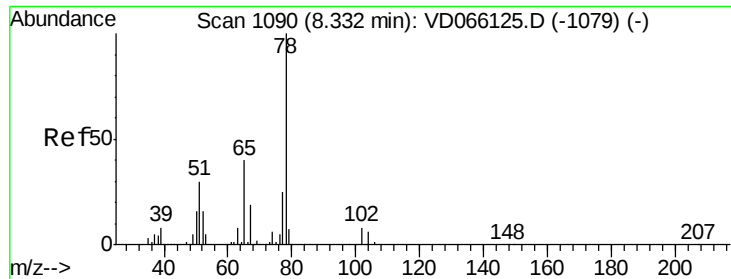
MMDadoda
8/12/2020 3:57:40 PM



#32
1,1,1-Trichloroethane
Concen: 45.451 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.1	76.7
61	42.3	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 49.779 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 150380

Ion Ratio Lower Upper

65 100

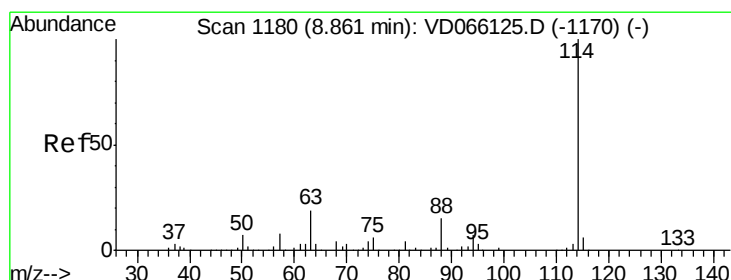
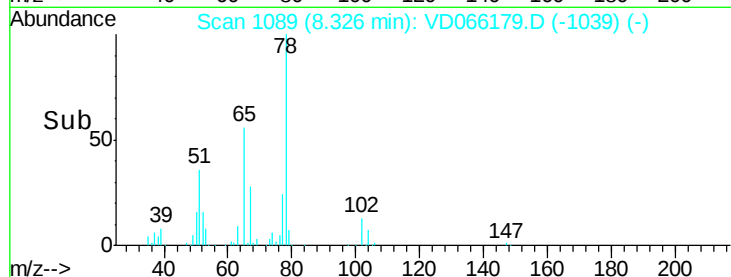
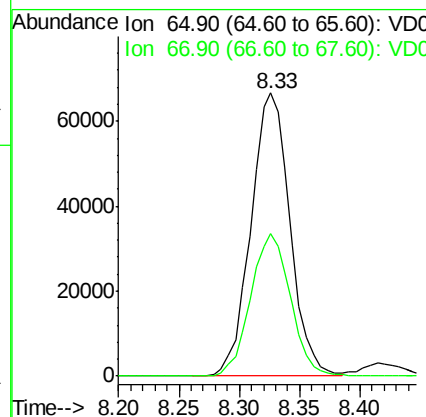
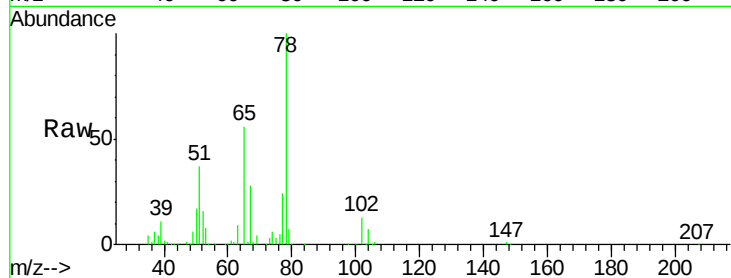
67 51.2 0.0 104.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

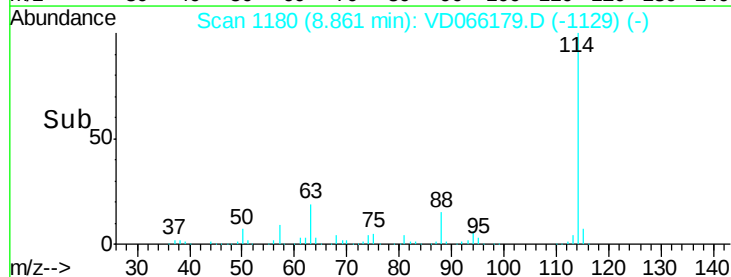
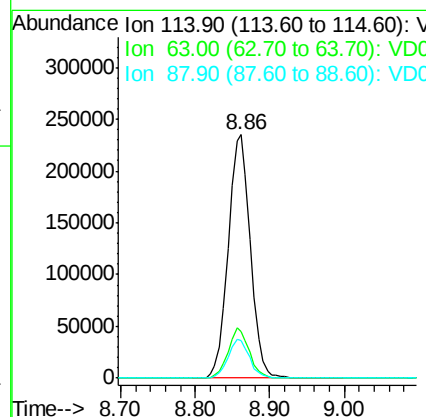
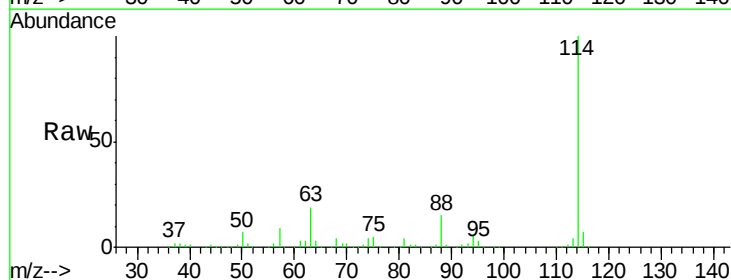
Tgt Ion: 114 Resp: 485550

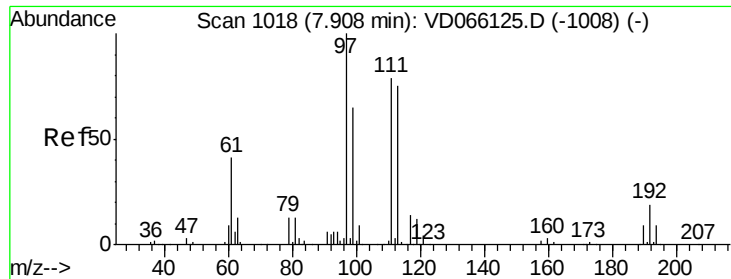
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

88 15.2 0.0 30.0





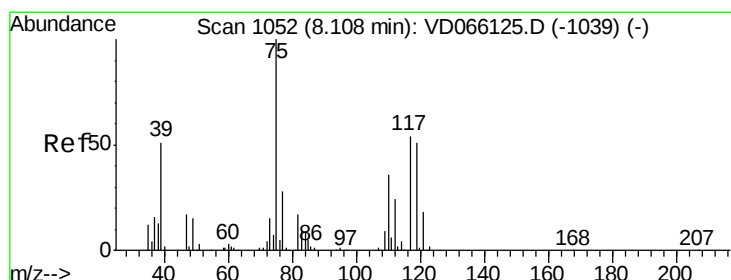
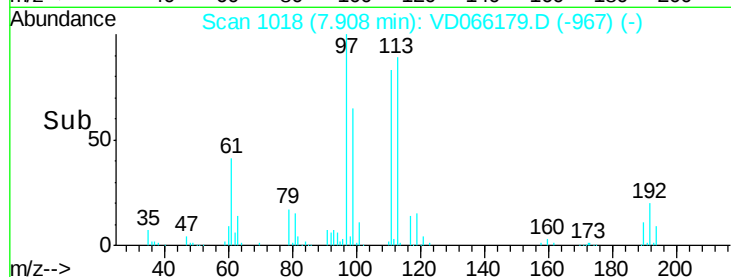
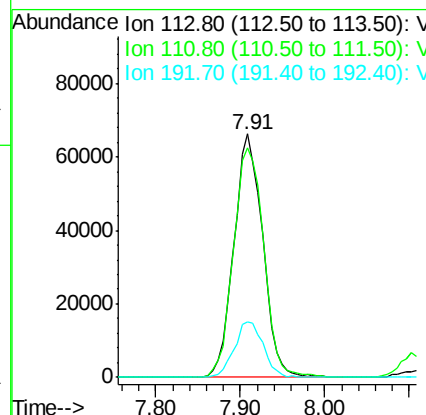
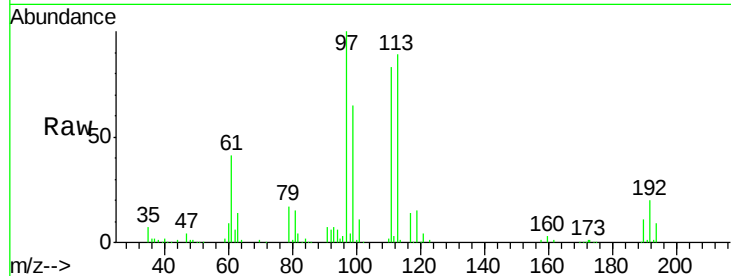
#35
 Dibromofluoromethane
 Concen: 50.571 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155551		
111	99.4	80.7	121.1	
192	22.9	18.4	27.6	

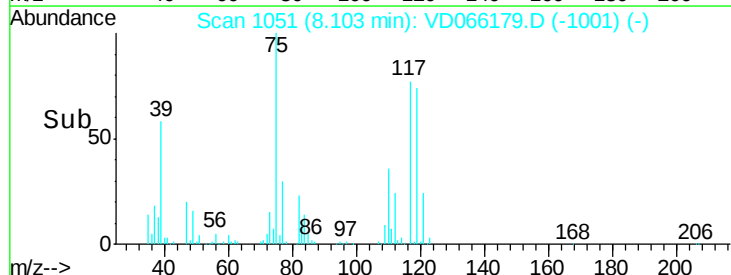
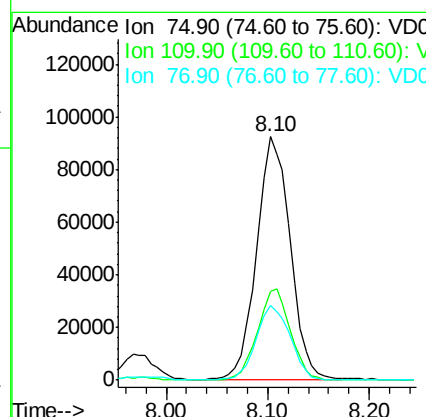
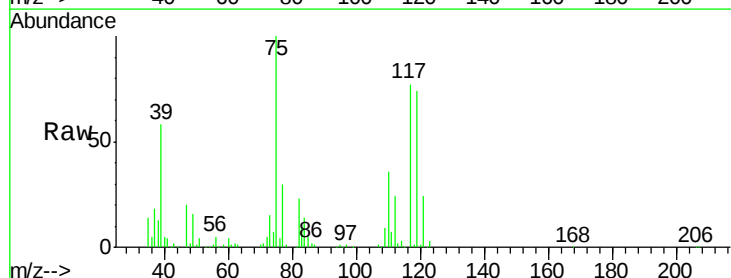
Manual Integrations
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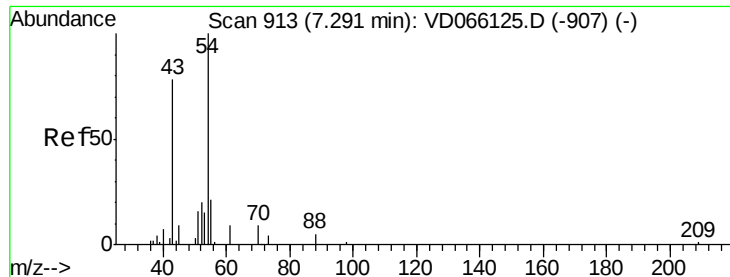
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 46.736 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213243		
110	36.7	18.8	56.3	
77	31.4	24.2	36.2	





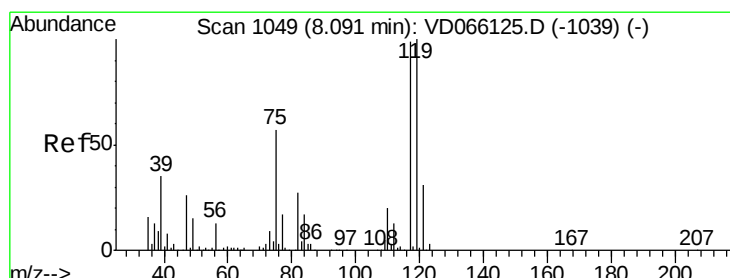
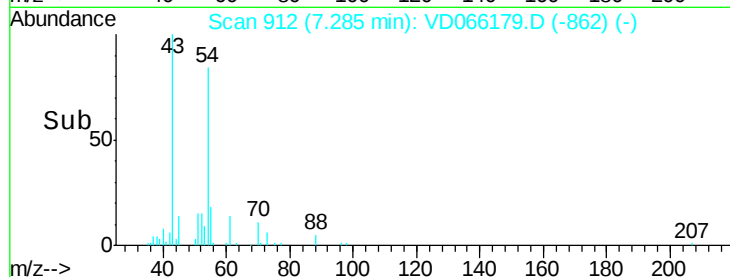
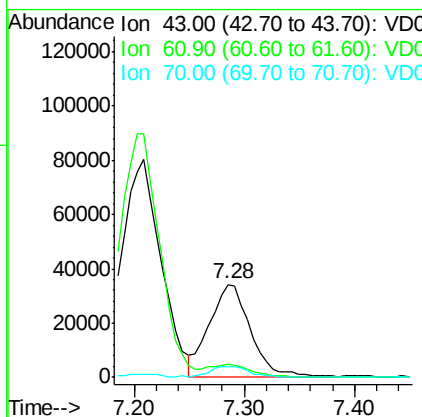
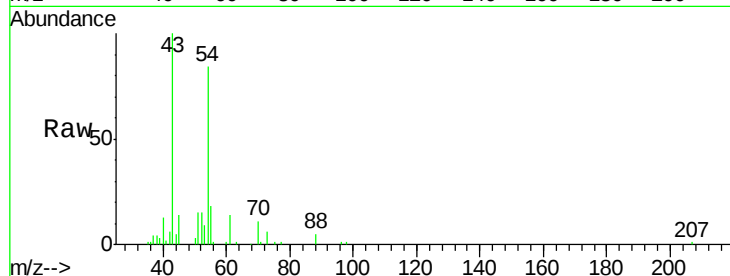
#37
Ethyl Acetate
Concen: 48.282 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	12.0	18.0
70	11.5	9.7	14.5

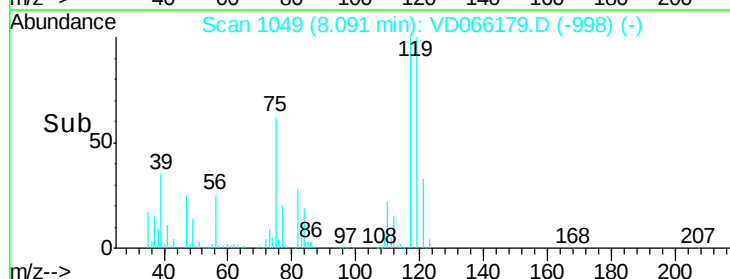
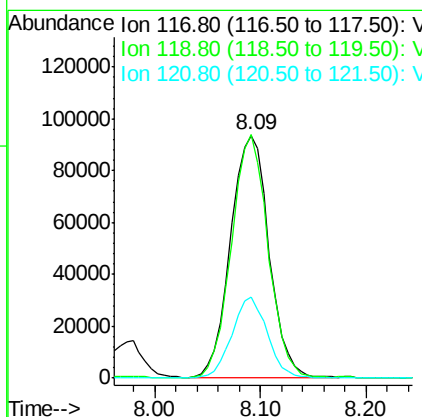
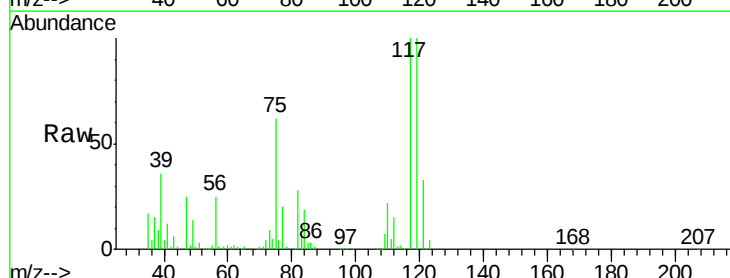
Manual Integrations
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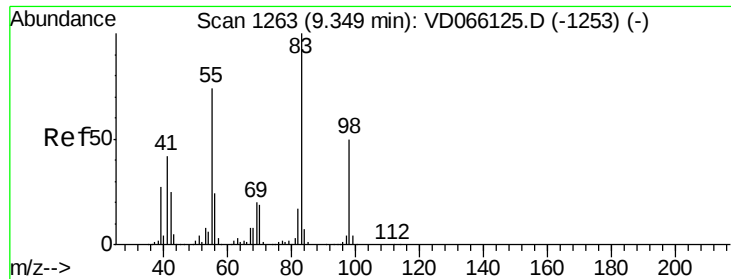
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.271 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	81.0	121.4
121	33.6	24.8	37.2





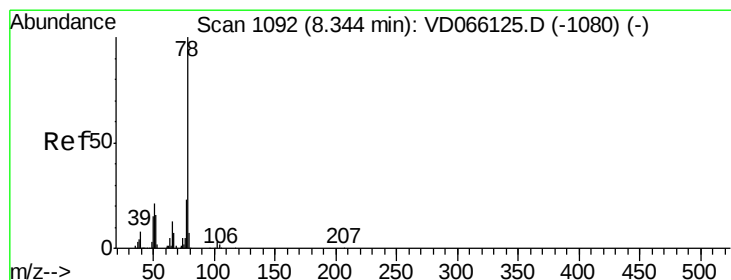
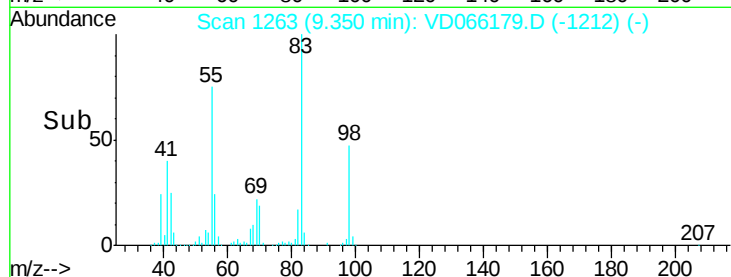
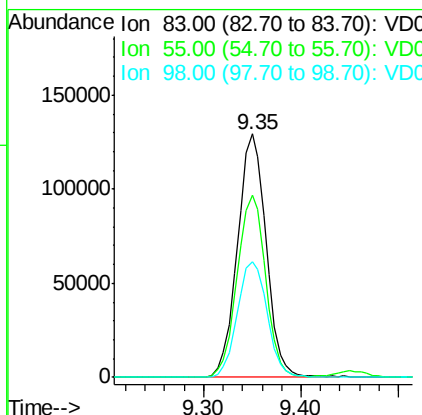
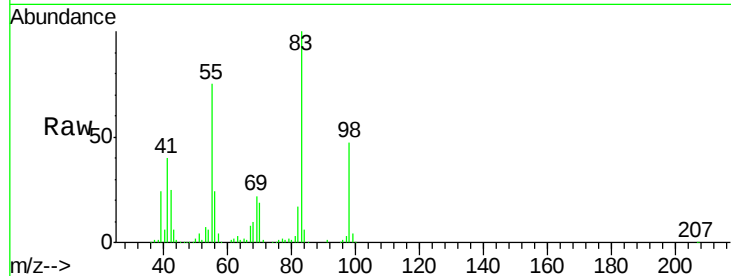
#39
Methvlcvclohexane
Concen: 48.120 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	265409
Ion Ratio	Lower	Upper	
83	100		
55	74.7	59.2	88.8
98	47.4	39.8	59.6

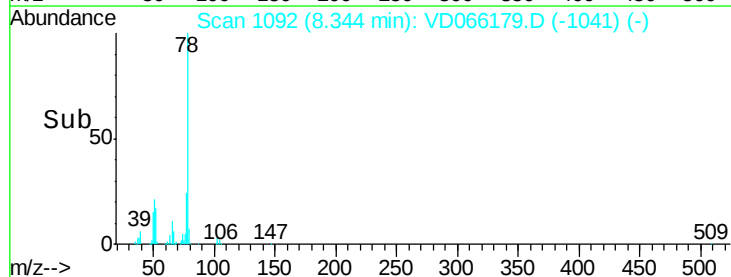
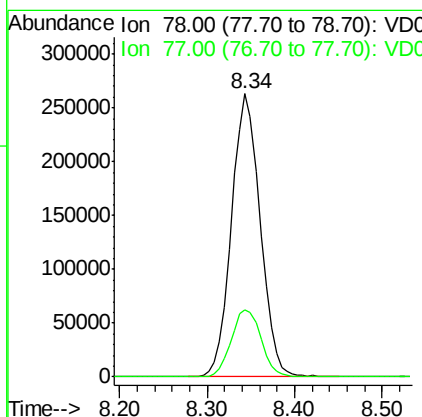
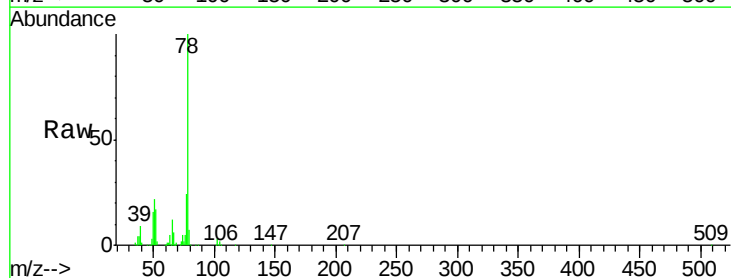
Manual Integrations
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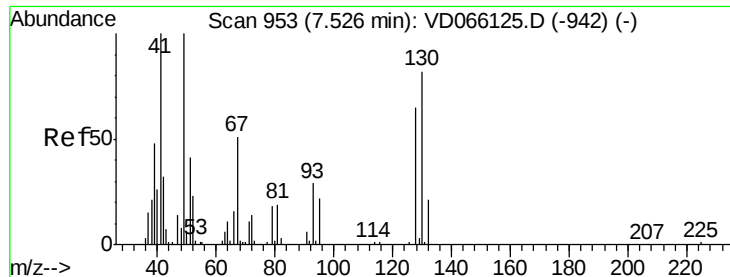
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#40
Benzene
Concen: 46.239 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	78	Resp	585263
Ion Ratio	Lower	Upper	
78	100		
77	23.9	18.6	27.8





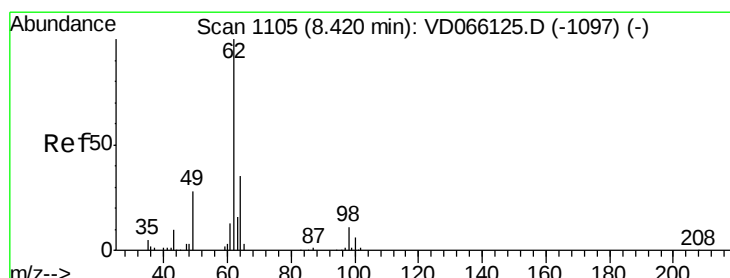
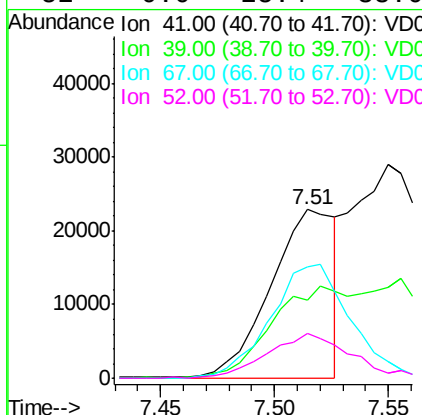
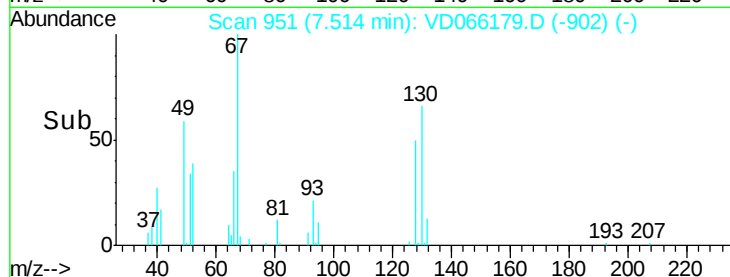
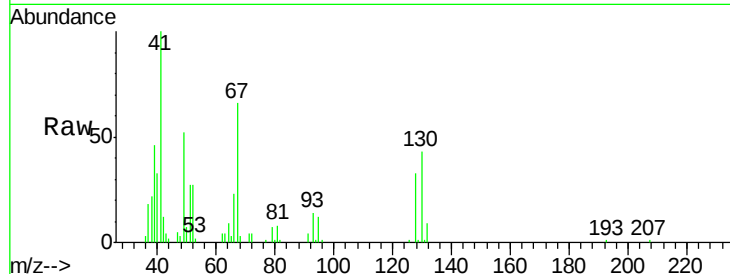
#41
Methacrylonitrile
Concen: 42.656 ug/l m
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	45340
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.5	71.3#
67	0.0	59.1	88.7#
52	0.0	25.4	38.0#

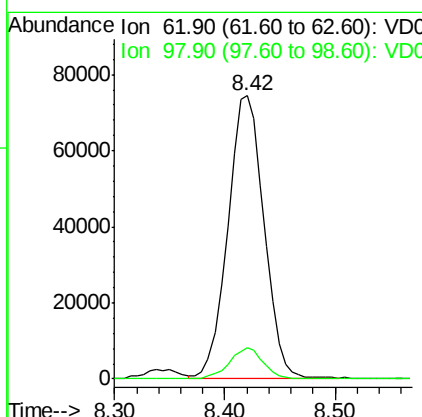
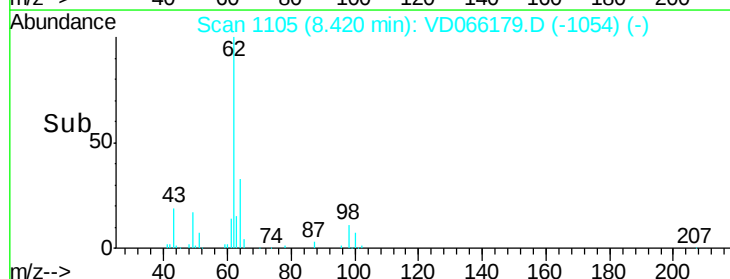
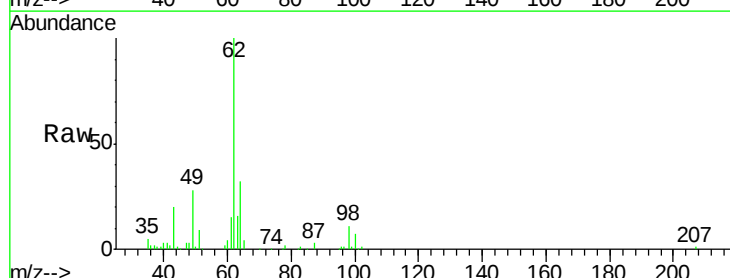
Manual Integrations
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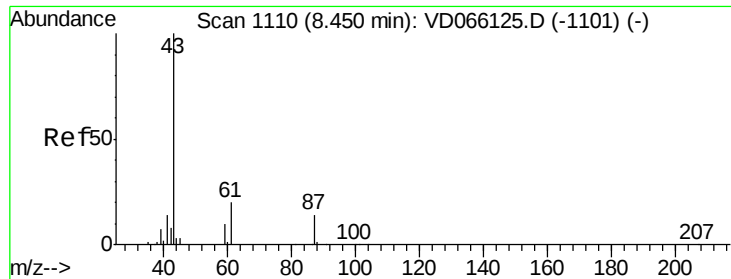
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#42
1,2-Dichloroethane
Concen: 46.049 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	62	Resp	171225
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.4





#43

Isopropyl Acetate

Concen: 47.100 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

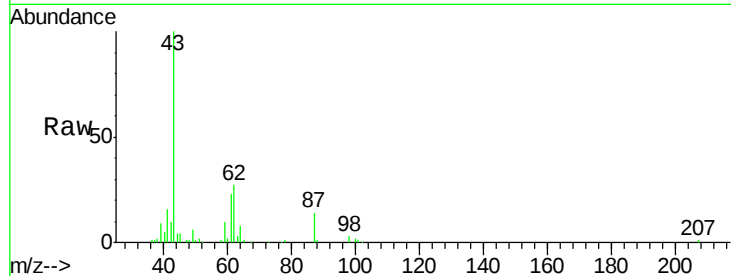
ClientSampleId :

VSTDCCC050

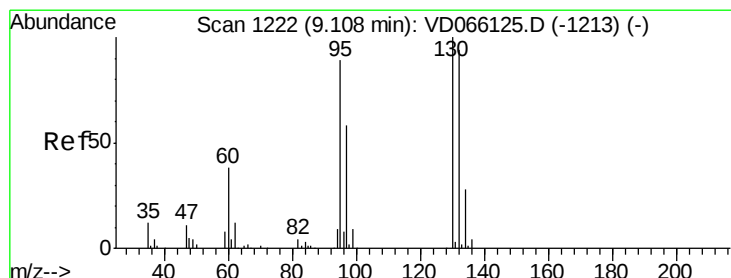
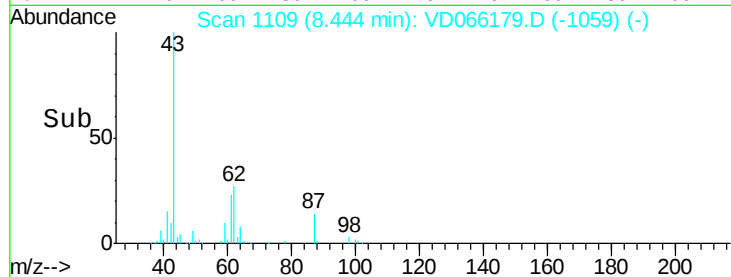
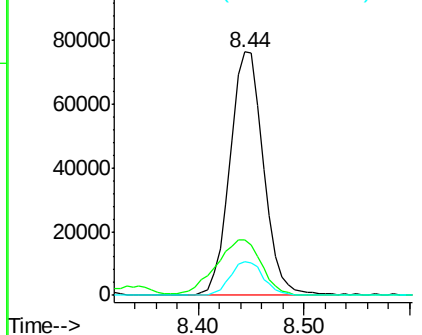
Tot Ion:	43	Resp:	167767
Ion	Ratio	Lower	Upper
43	100		
61	31.0	25.5	38.3
87	14.0	11.2	16.8

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 46.492 ug/l

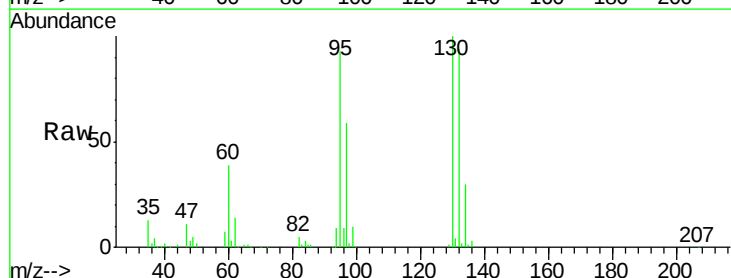
RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

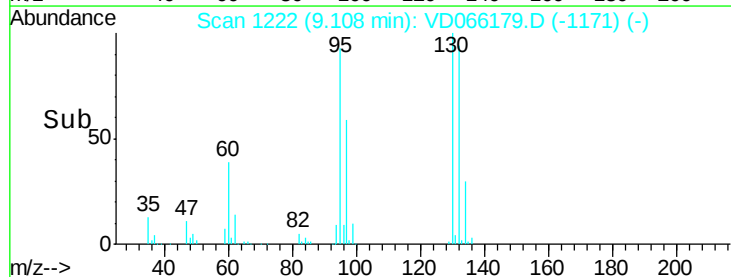
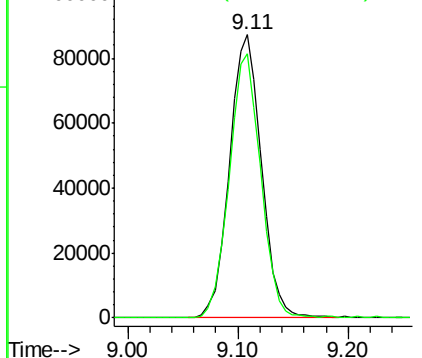
Lab File: VD066179.D

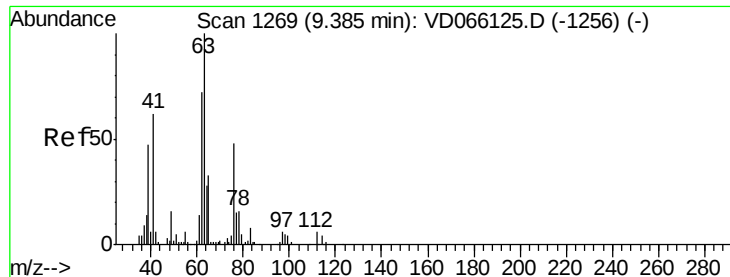
Acq: 11 Aug 2020 11:16

Tgt Ion:	130	Resp:	177324
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 46.979 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 145431

Ion Ratio Lower Upper

63 100

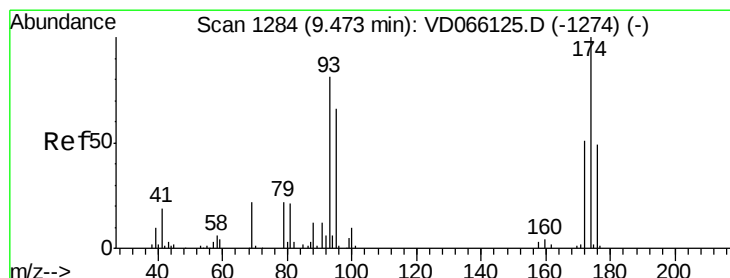
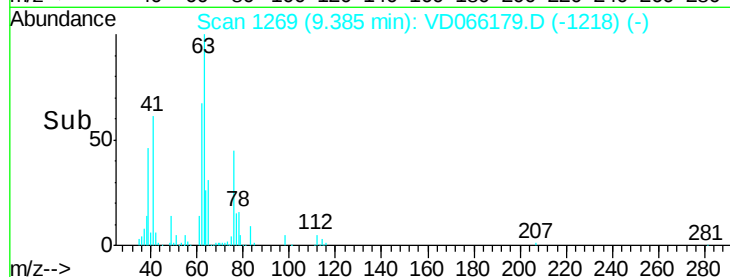
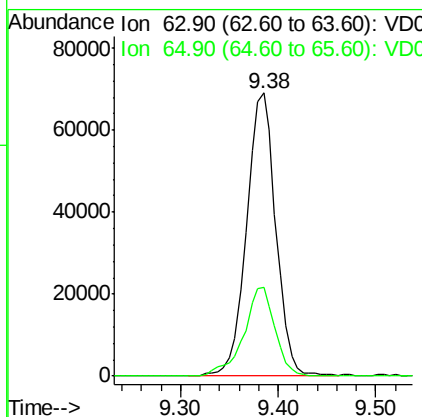
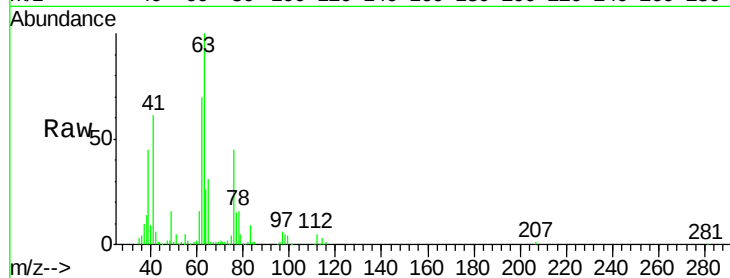
65 31.2 26.5 39.7

Manual Integrations

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#46

Dibromomethane

Concen: 47.024 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

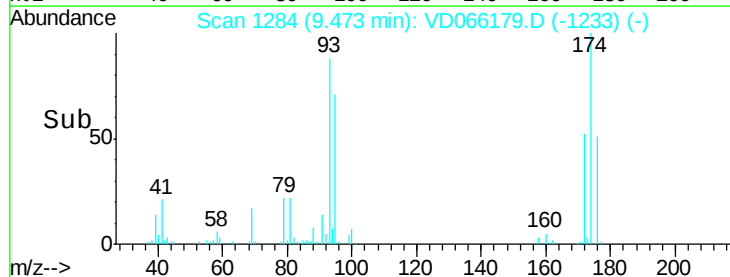
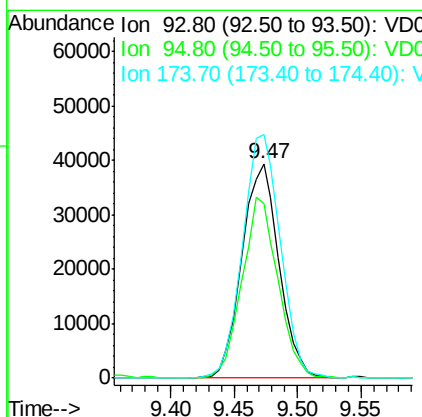
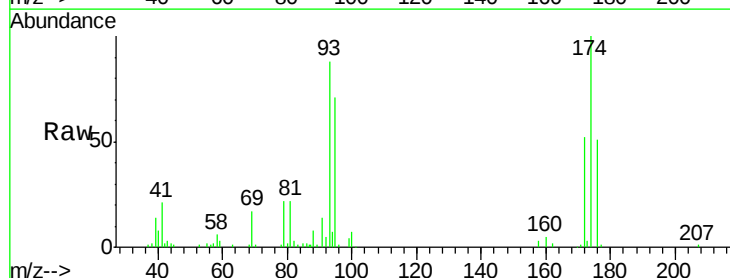
Tgt Ion: 93 Resp: 80184

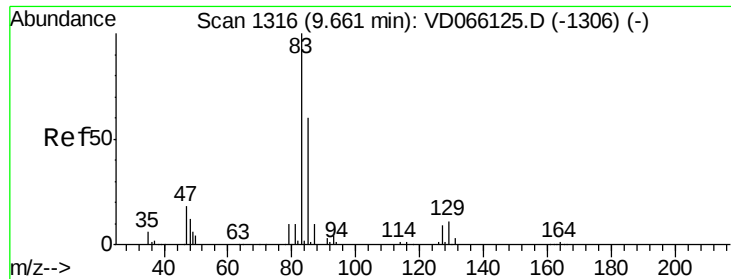
Ion Ratio Lower Upper

93 100

95 81.5 65.8 98.6

174 115.8 92.8 139.2





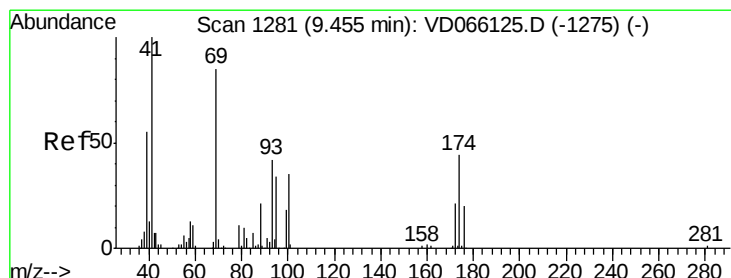
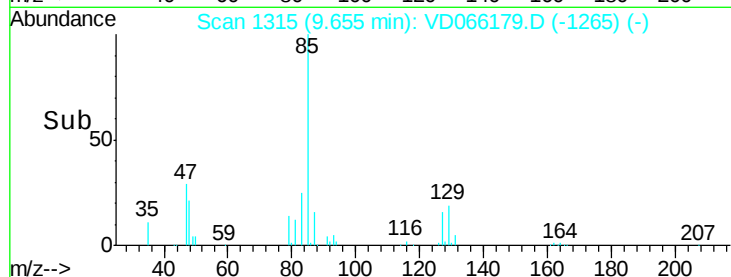
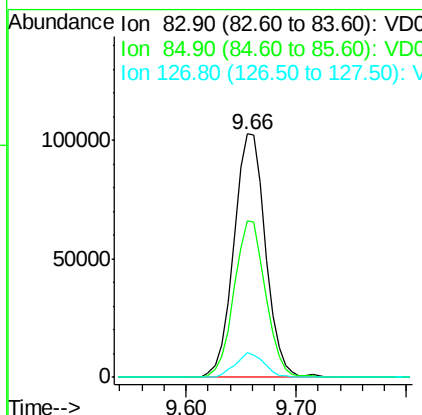
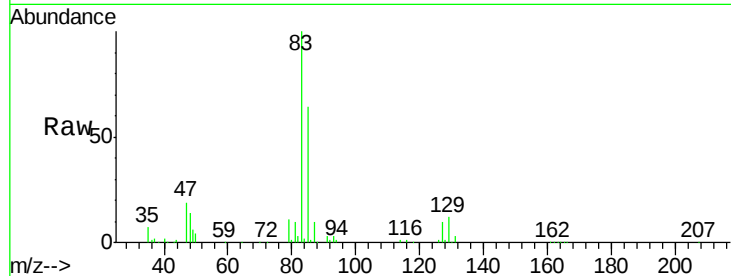
#47
Bromodichloromethane
Concen: 46.067 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	207611		
85	64.2		48.2	72.4
127	10.4		7.3	10.9

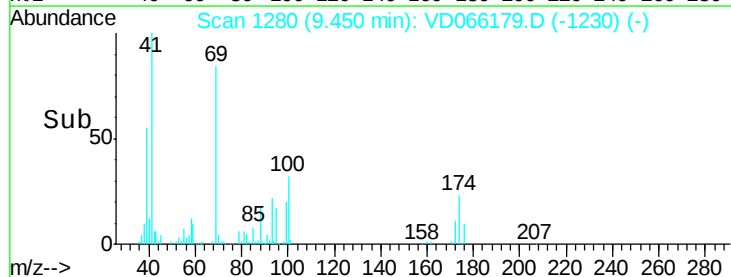
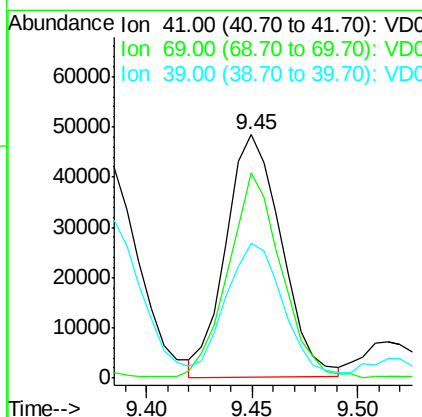
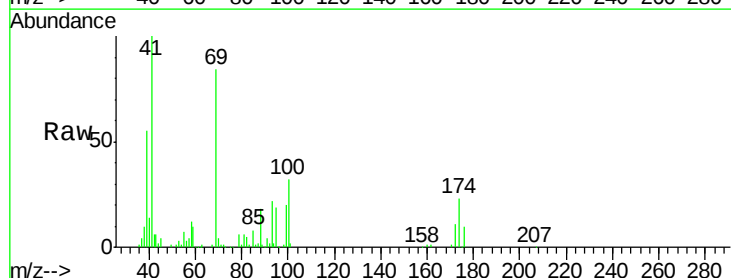
Manual Integrations
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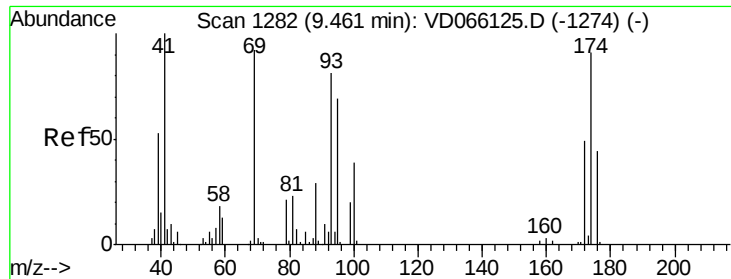
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#48
Methyl methacrylate
Concen: 48.392 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	88014		
69	79.5		63.9	95.9
39	52.8		42.6	64.0





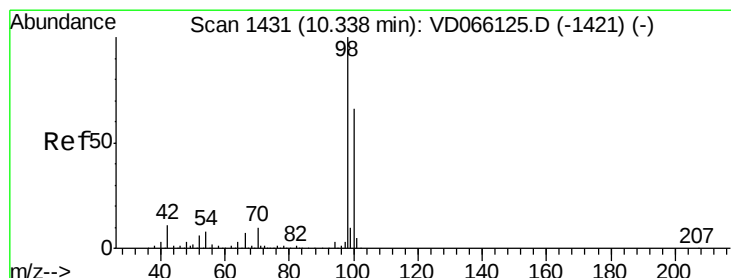
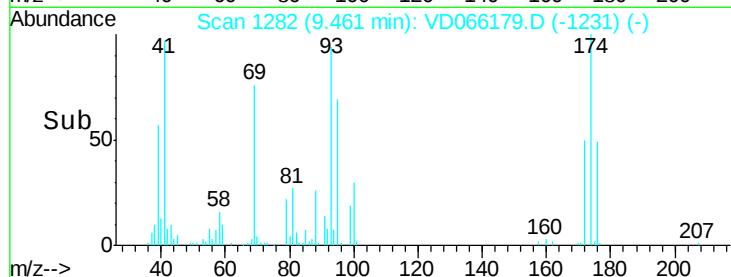
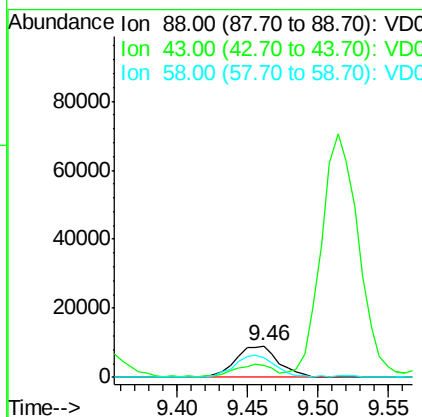
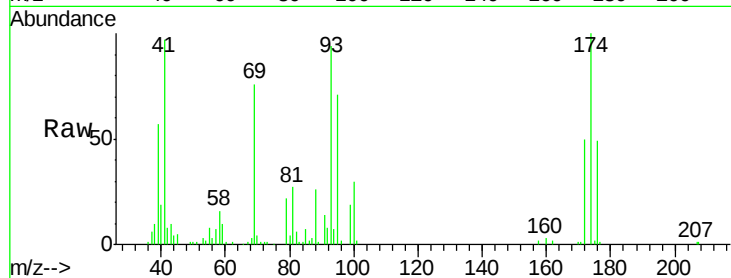
#49
1,4-Dioxane
Concen: 879.355 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	27.5	41.3
58	66.9	50.2	75.4

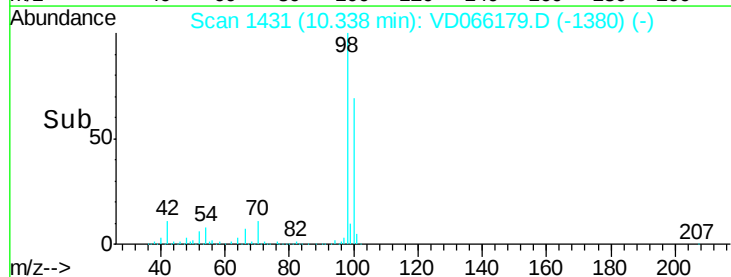
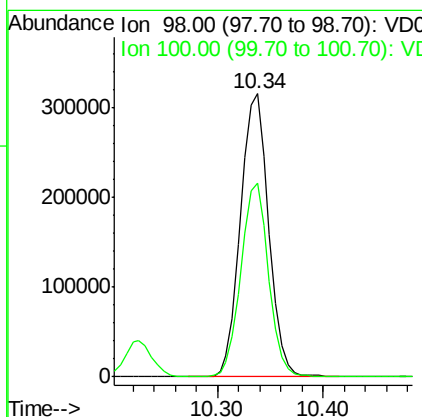
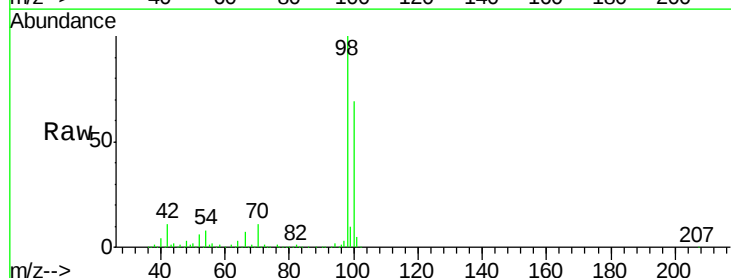
Manual Integrations
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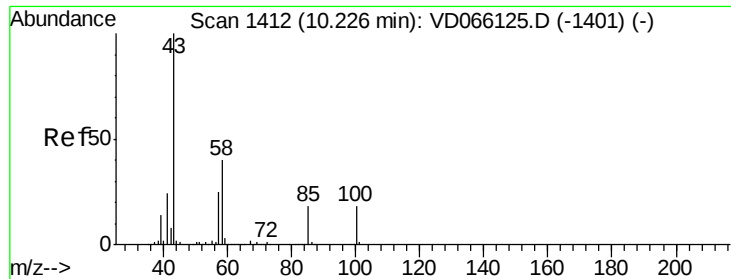
MMDadoda
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#50
Toluene-d8
Concen: 51.372 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 237.975 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 435399

Ion Ratio Lower Upper

43 100

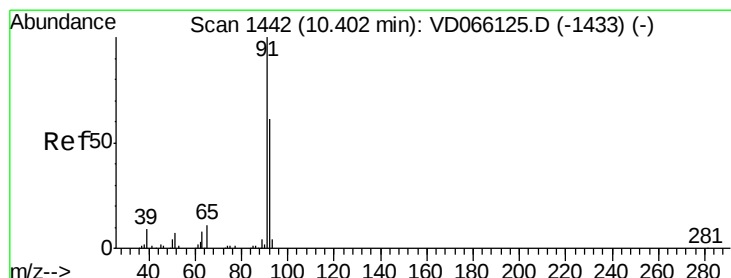
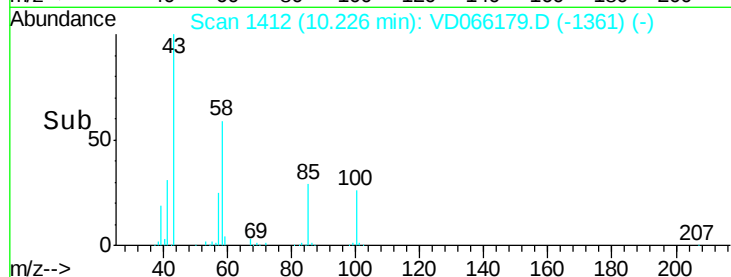
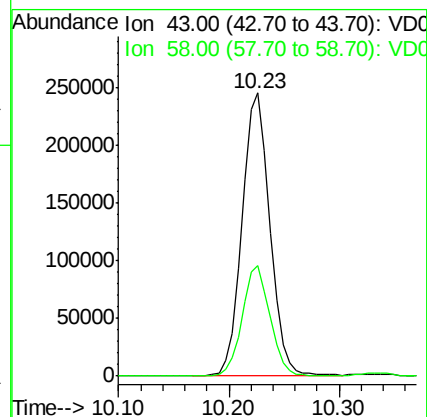
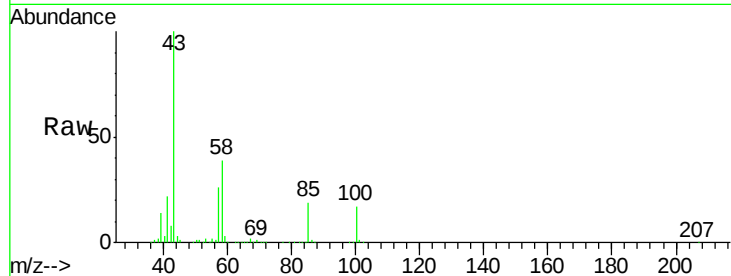
58 38.9 31.1 46.7

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#52

Toluene

Concen: 46.951 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066179.D

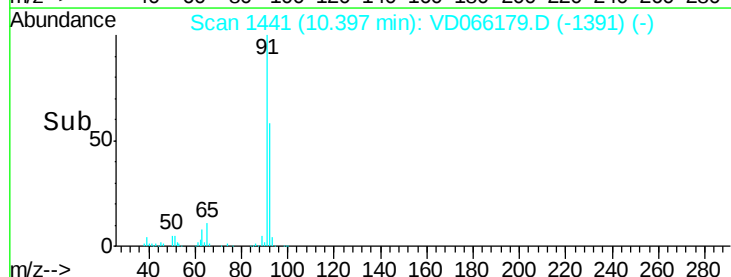
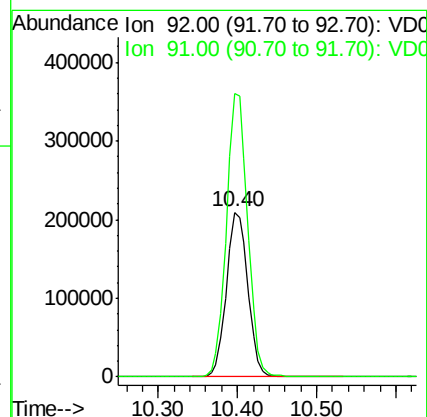
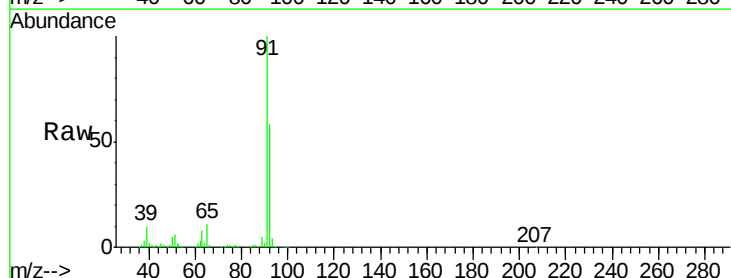
Acq: 11 Aug 2020 11:16

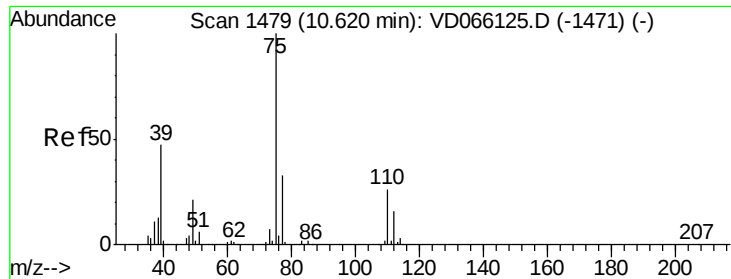
Tgt Ion: 92 Resp: 391044

Ion Ratio Lower Upper

92 100

91 170.6 135.2 202.8





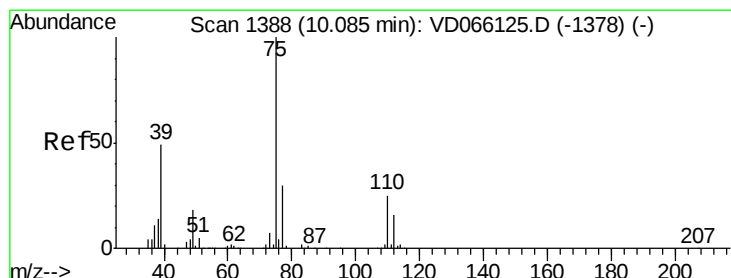
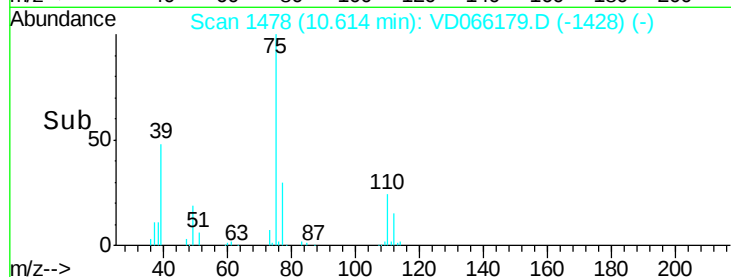
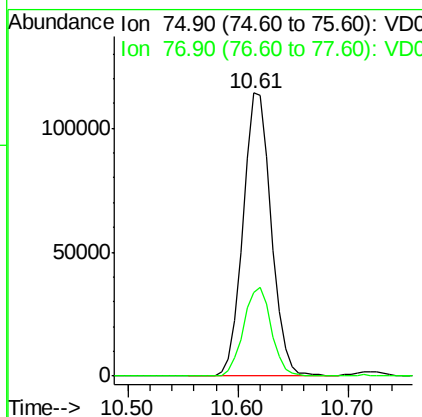
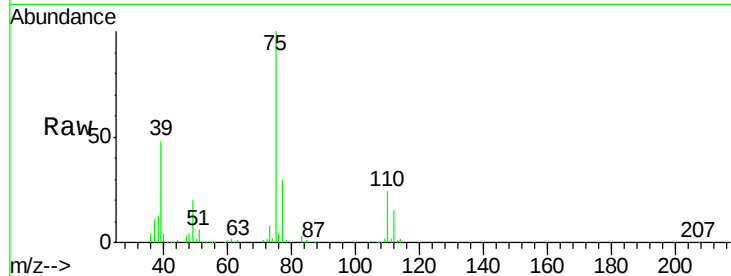
#53
t-1,3-Dichloropropene
Concen: 48.045 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 205485
Ion Ratio Lower Upper
75 100
77 29.7 26.2 39.2

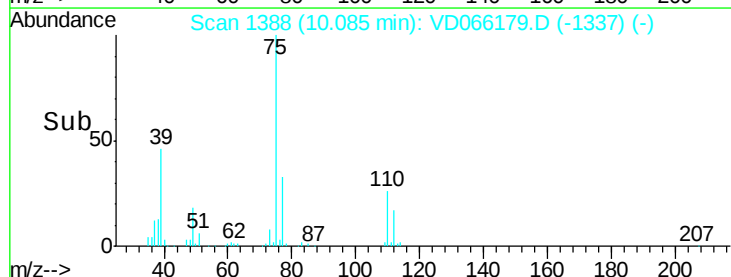
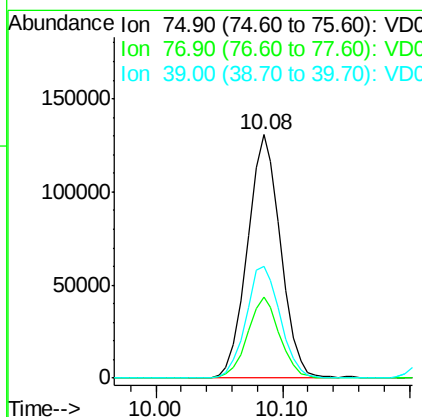
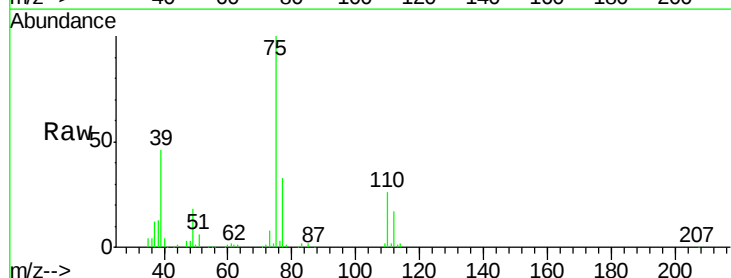
Manual Integrations
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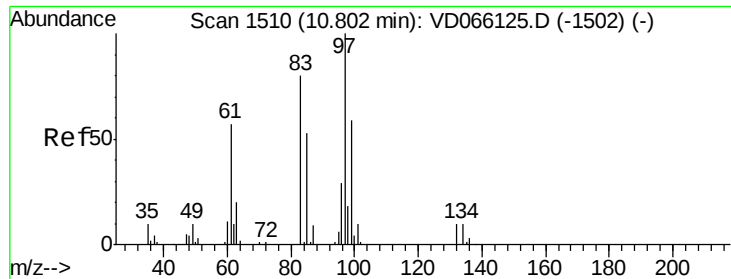
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 47.347 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion: 75 Resp: 237251
Ion Ratio Lower Upper
75 100
77 33.1 24.3 36.5
39 45.8 39.3 58.9





#55

1,1,2-Trichloroethane

Concen: 46.256 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

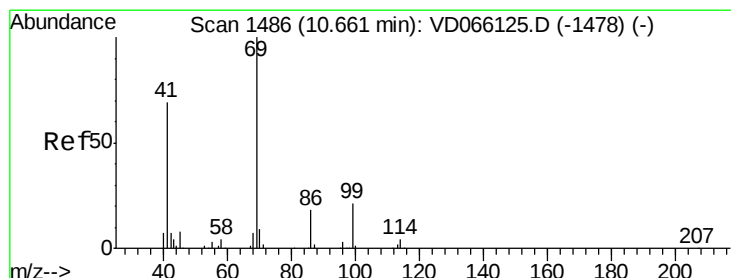
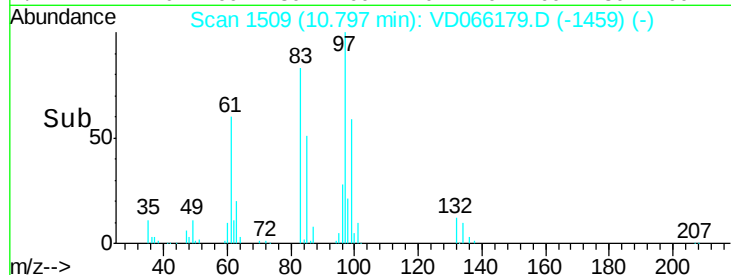
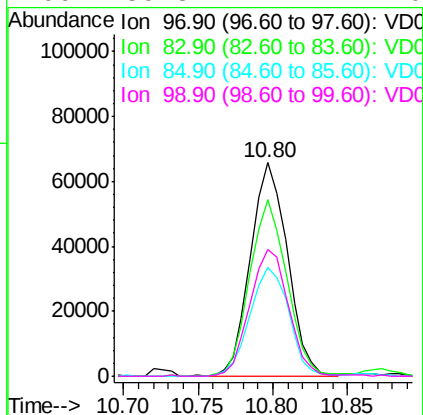
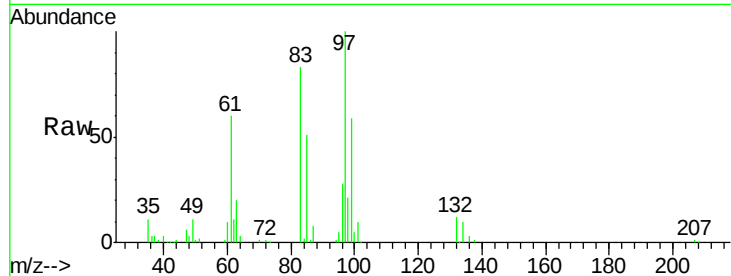
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	113574
Ion	Ratio	Lower	Upper
97	100		
83	82.9	63.9	95.9
85	50.9	42.5	63.7
99	59.3	47.4	71.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 48.656 ug/l

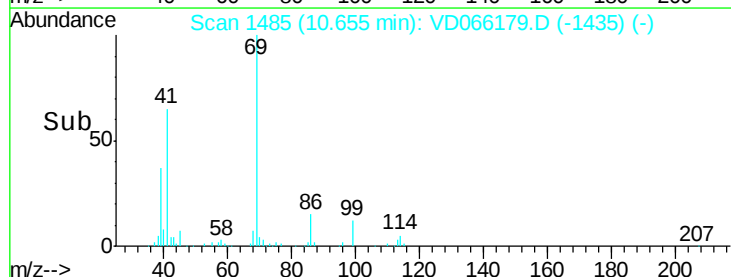
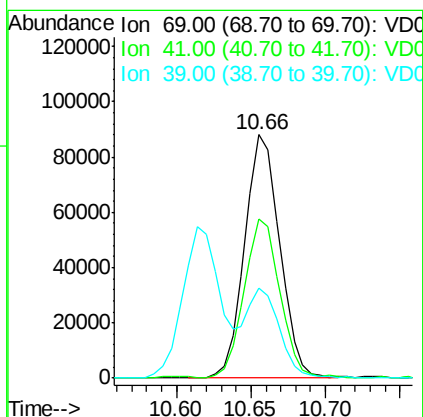
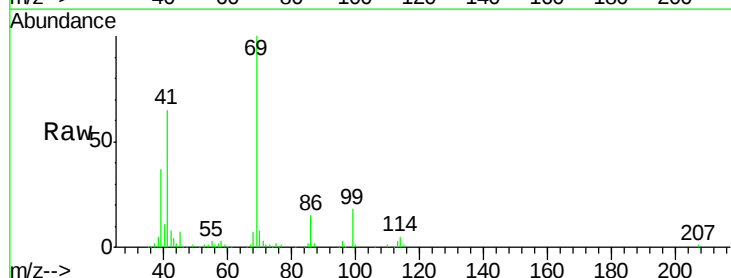
RT: 10.66 min Scan# 1485

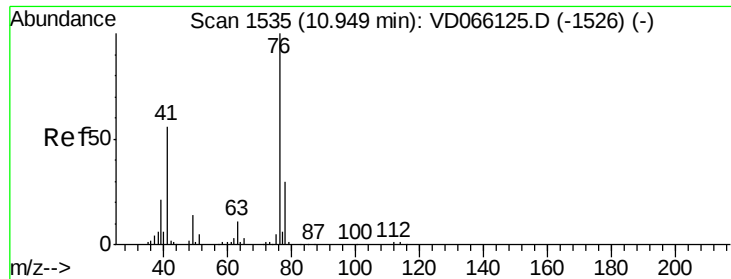
Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Tgt Ion:	69	Resp:	143514
Ion	Ratio	Lower	Upper
69	100		
41	65.7	54.1	81.1
39	36.9	28.6	43.0





#57

1,3-Dichloropropane

Concen: 46.769 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 190641

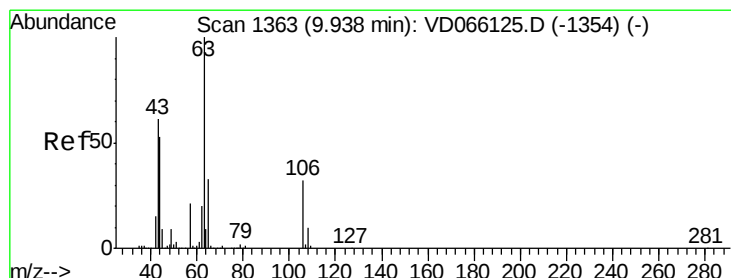
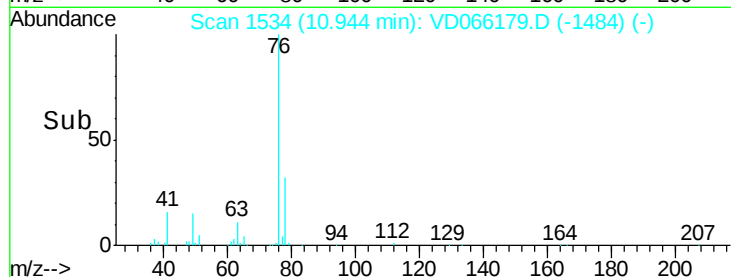
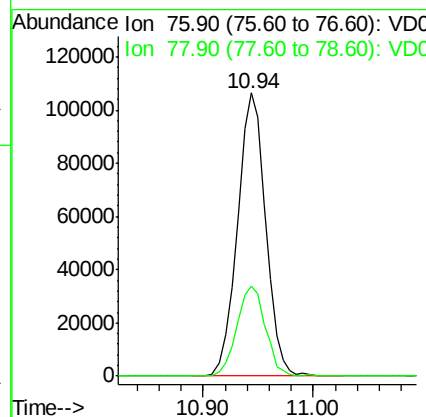
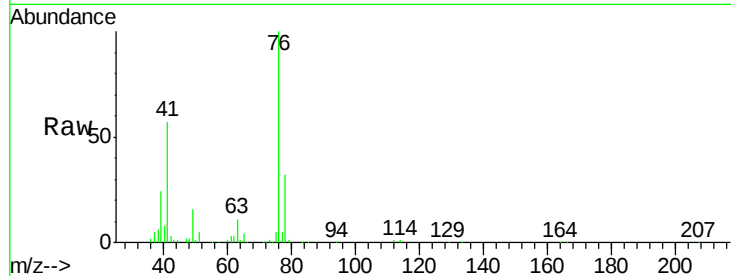
Ion Ratio Lower Upper

76 100

78 32.1 25.5 38.3

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 279.583 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066179.D

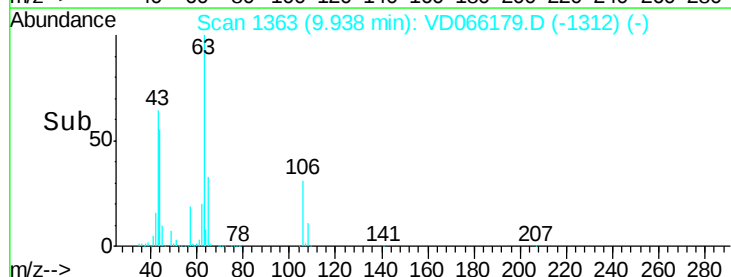
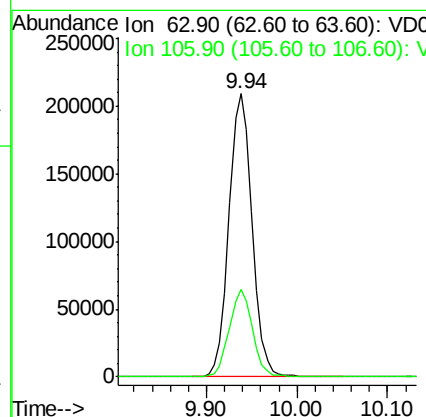
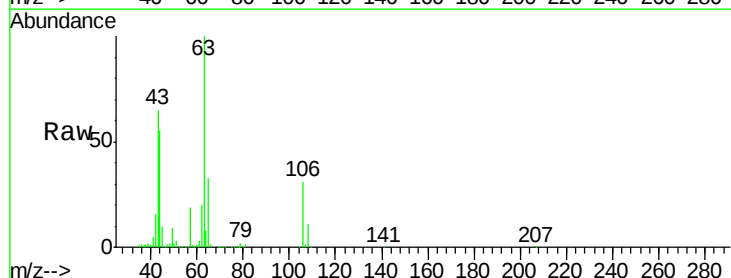
Acq: 11 Aug 2020 11:16

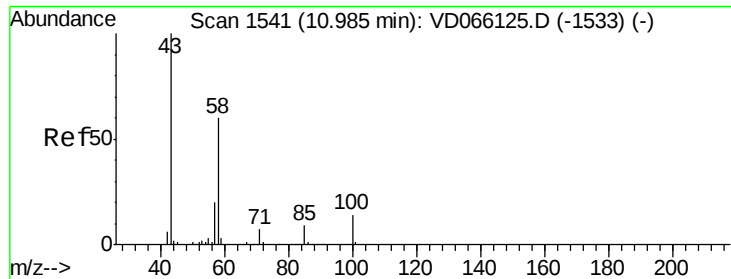
Tgt Ion: 63 Resp: 370939

Ion Ratio Lower Upper

63 100

106 31.0 25.3 37.9





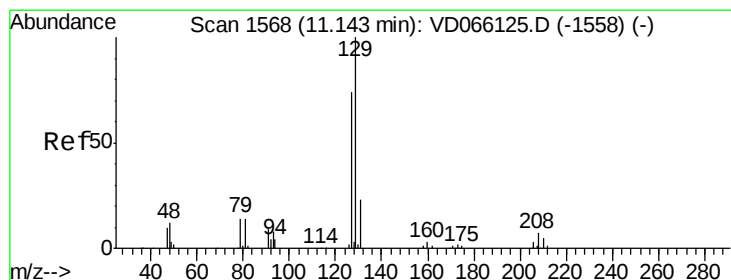
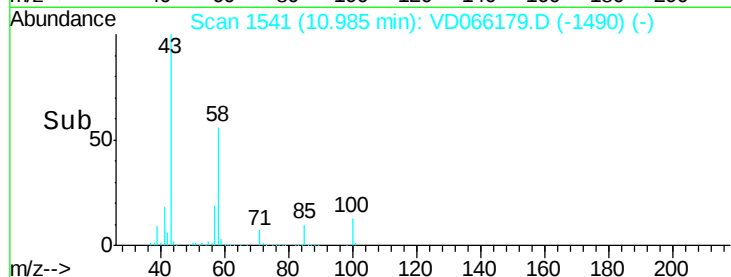
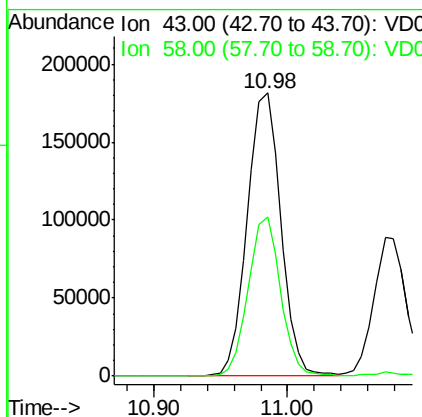
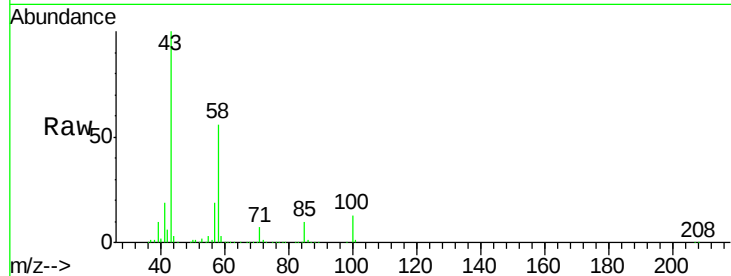
#59
2-Hexanone
Concen: 246.435 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 316434
Ion Ratio Lower Upper
43 100
58 53.9 27.8 83.4

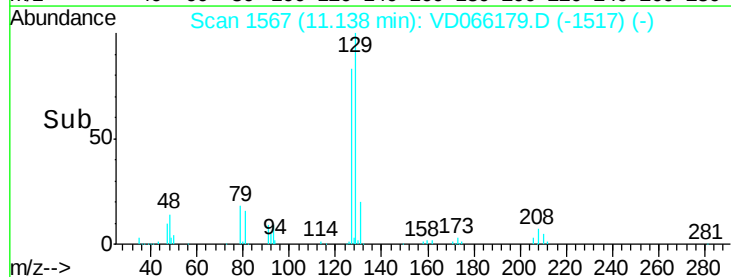
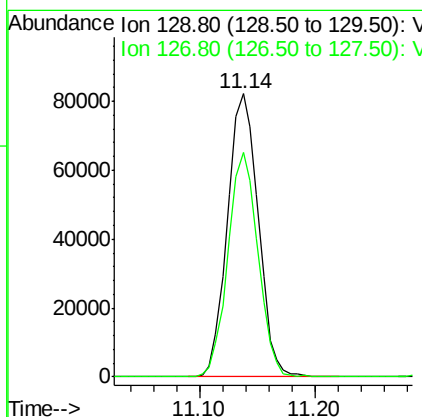
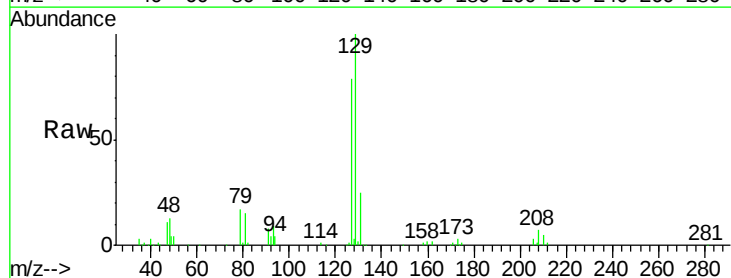
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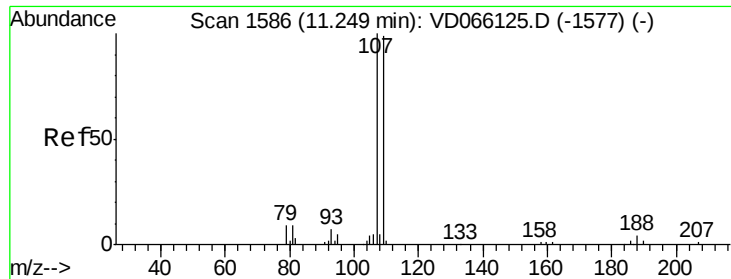
MMDadoda
8/12/2020 3:57:40 PM



#60
Dibromochloromethane
Concen: 44.892 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion: 129 Resp: 152175
Ion Ratio Lower Upper
129 100
127 77.5 38.0 114.1





#61

1,2-Dibromoethane

Concen: 46.104 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 108867

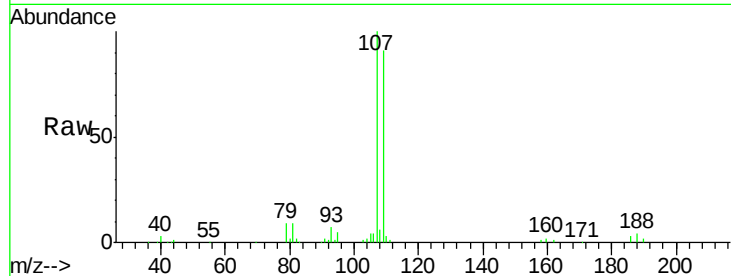
Ion Ratio Lower Upper

107 100

109 95.0 76.5 114.7

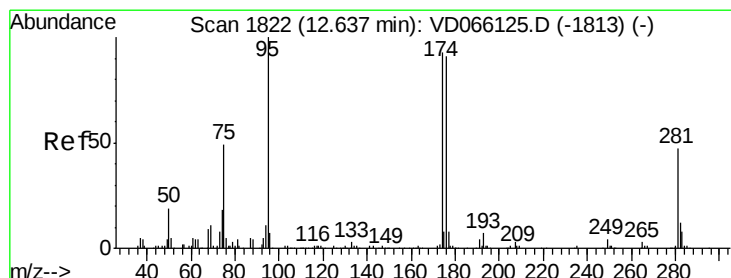
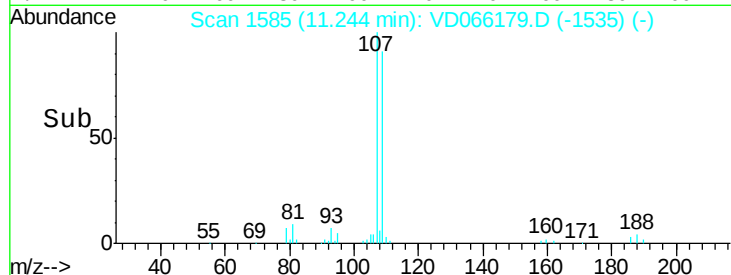
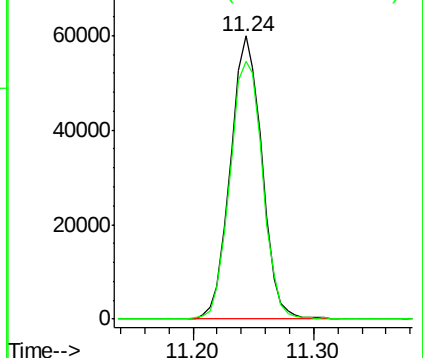
Manual Integrations
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8/12/2020 3:57:40 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.674 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

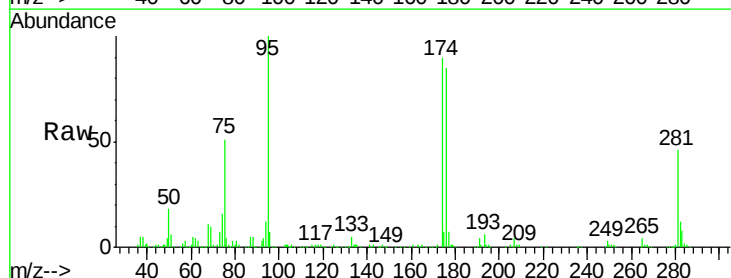
Tgt Ion: 95 Resp: 203242

Ion Ratio Lower Upper

95 100

174 89.5 0.0 180.8

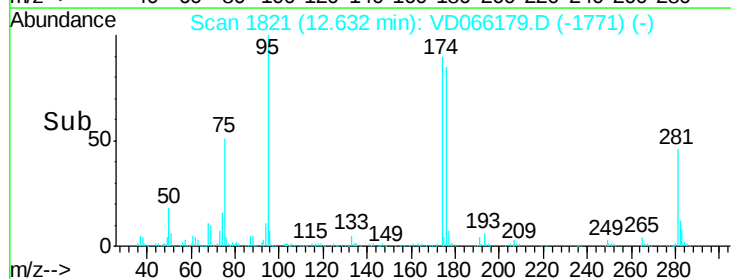
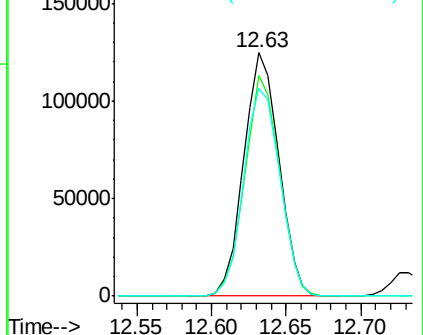
176 88.5 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





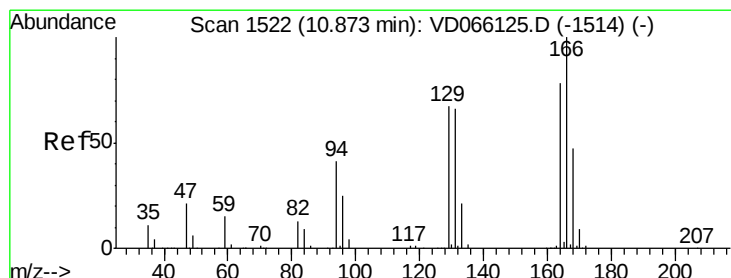
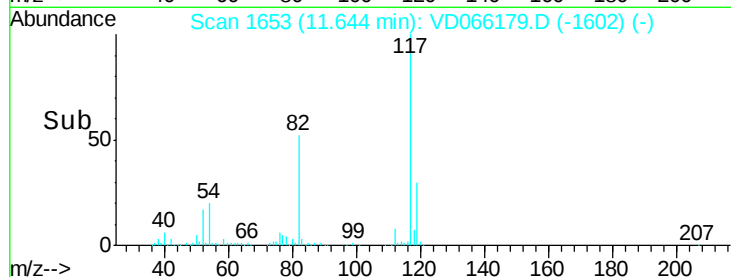
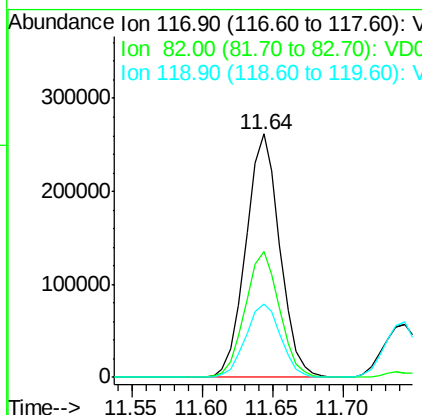
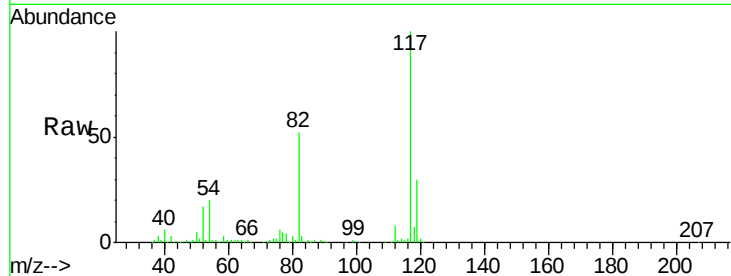
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	441386		
82	51.9	43.0	64.4	
119	30.2	26.1	39.1	

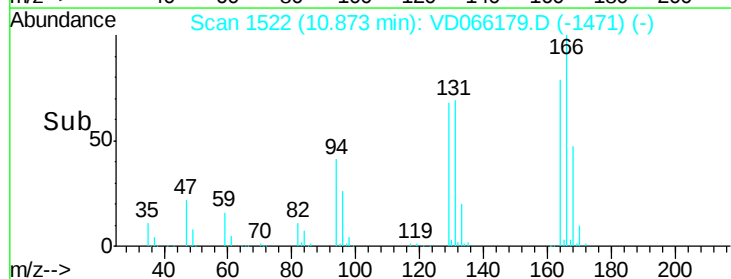
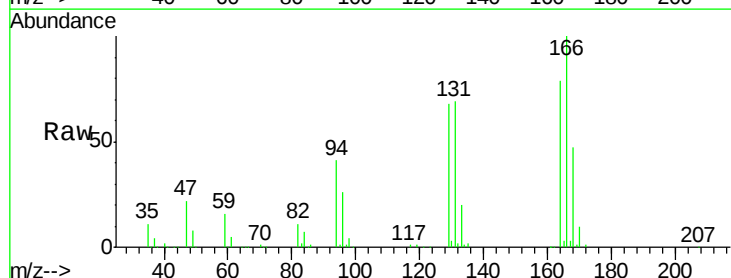
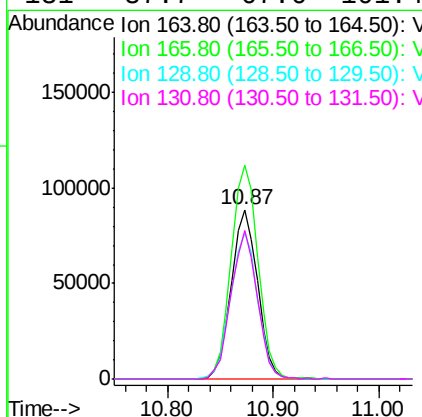
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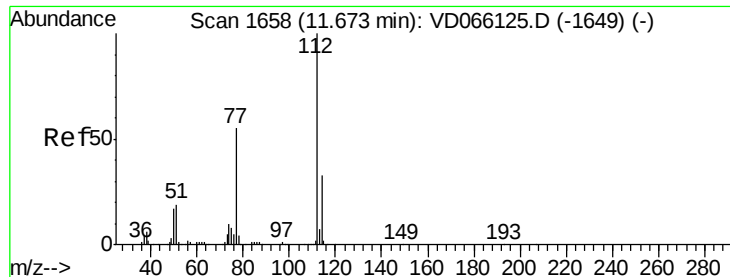
MMDadoda
8/12/2020 3:57:40 PM



#64
Tetrachloroethene
Concen: 44.996 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	152507		
166	126.4	101.9	152.9	
129	86.1	68.1	102.1	
131	87.7	67.6	101.4	





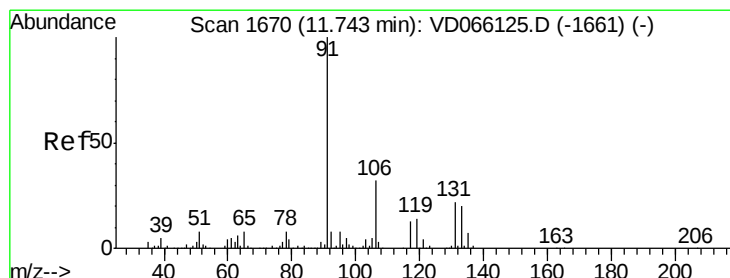
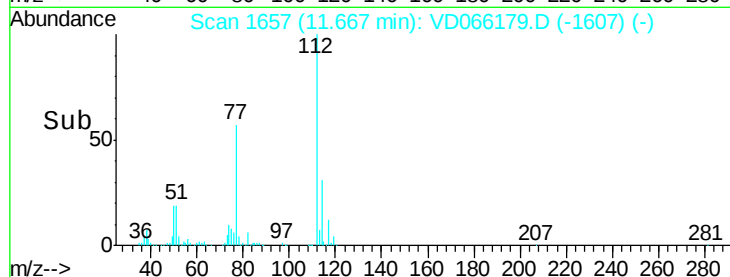
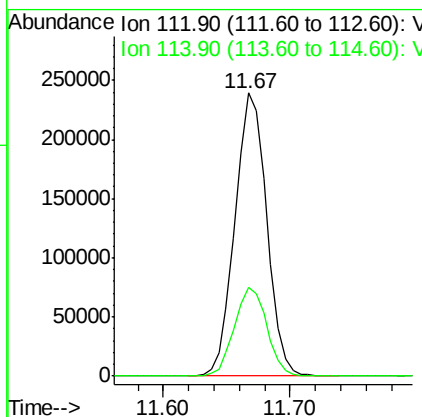
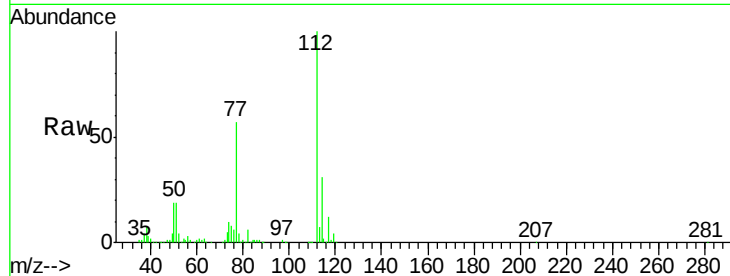
#65
Chlorobenzene
Concen: 46.424 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.1	39.1

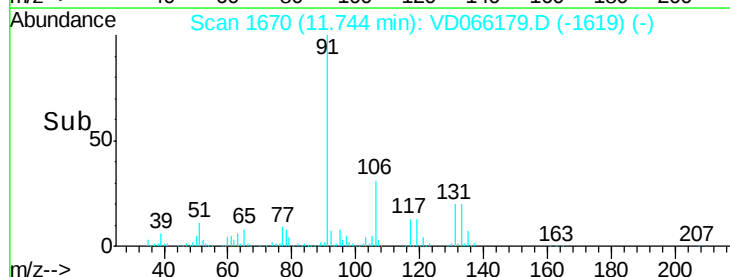
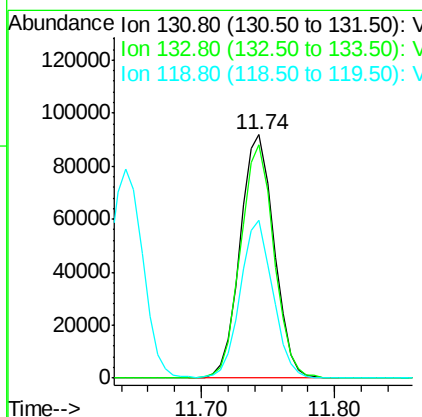
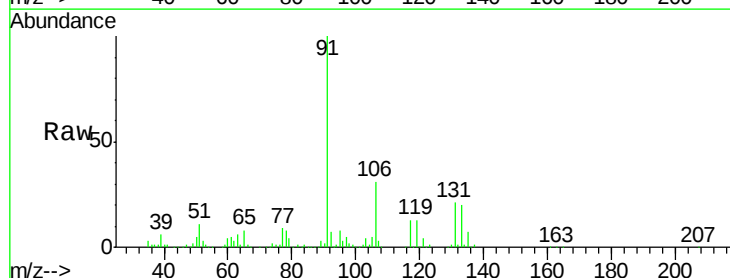
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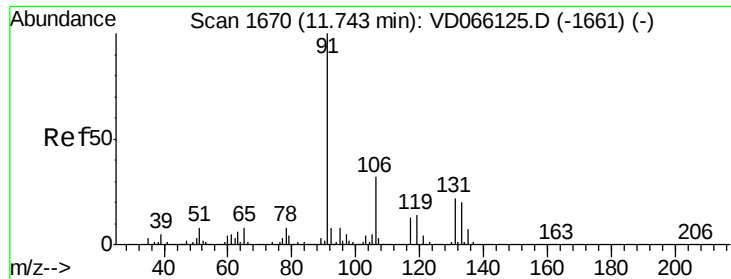
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.119 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.1	141.4
119	62.1	31.6	94.7





#67

Ethyl Benzene

Concen: 47.775 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 741812

Ion Ratio Lower Upper

91 100

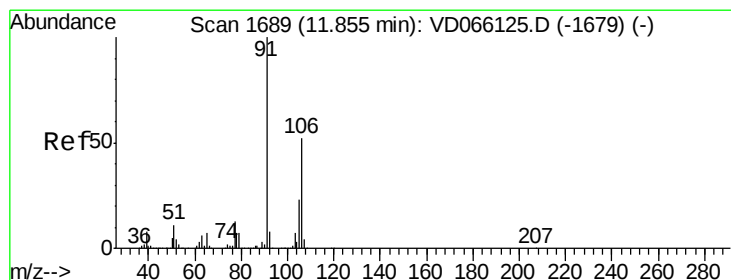
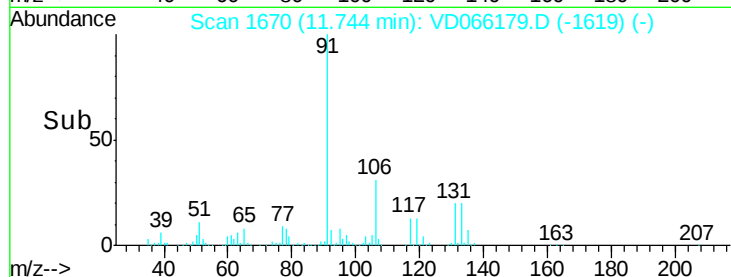
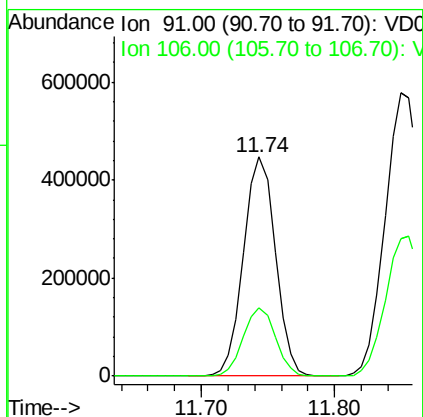
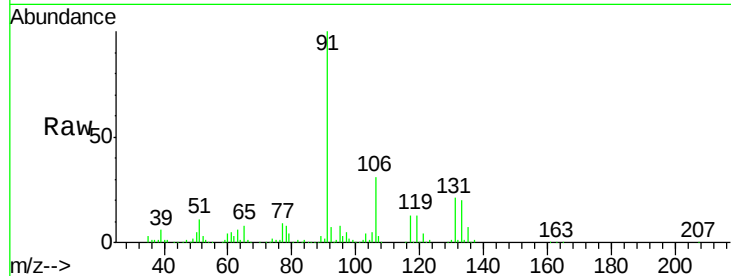
106 31.0 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 93.915 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066179.D

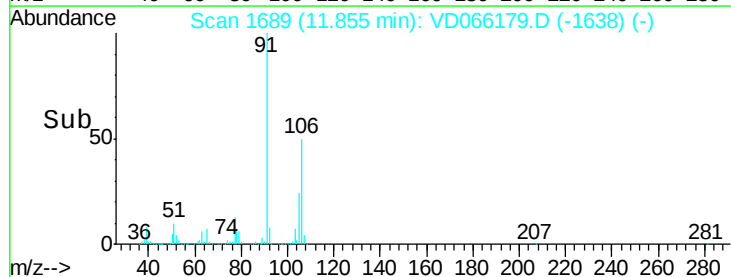
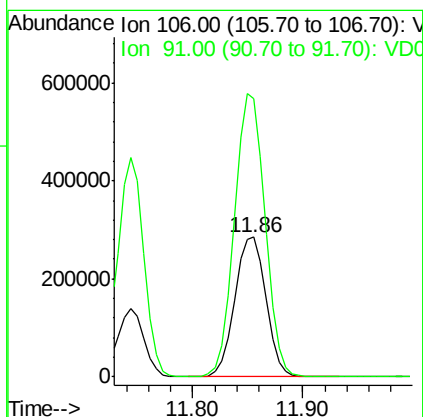
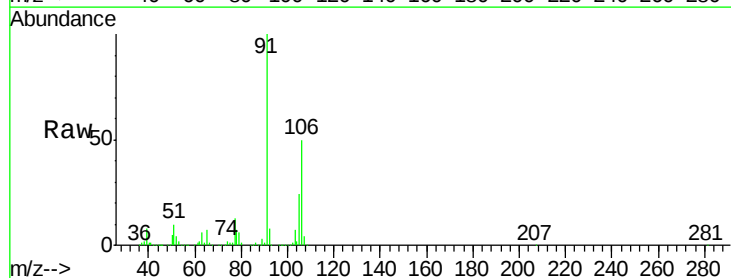
Acq: 11 Aug 2020 11:16

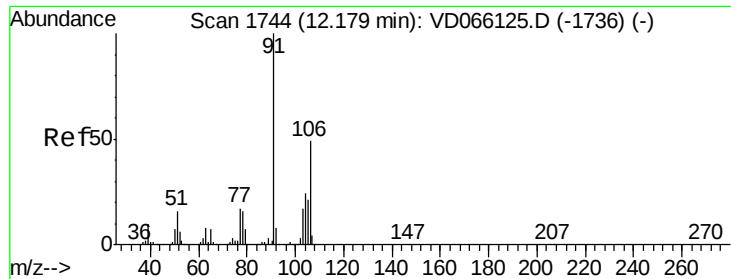
Tgt Ion: 106 Resp: 564984

Ion Ratio Lower Upper

106 100

91 199.4 156.6 235.0





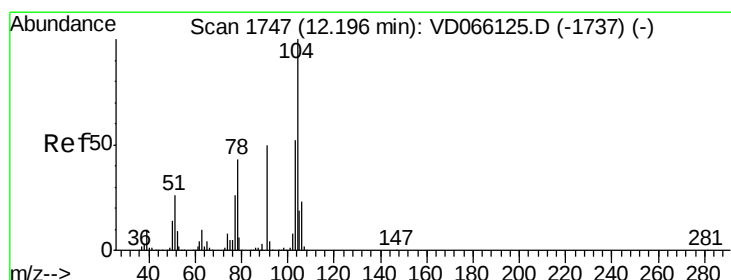
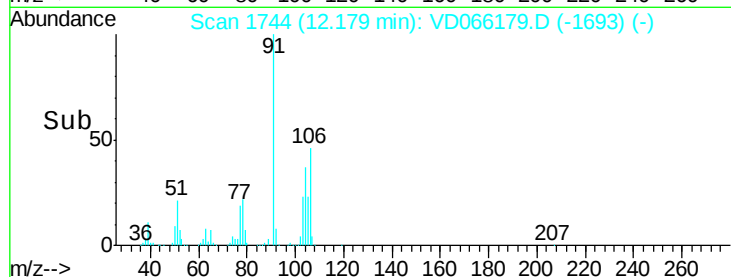
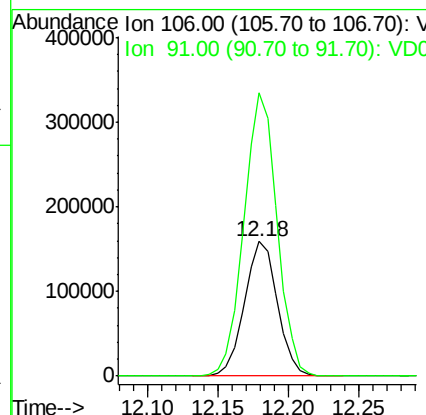
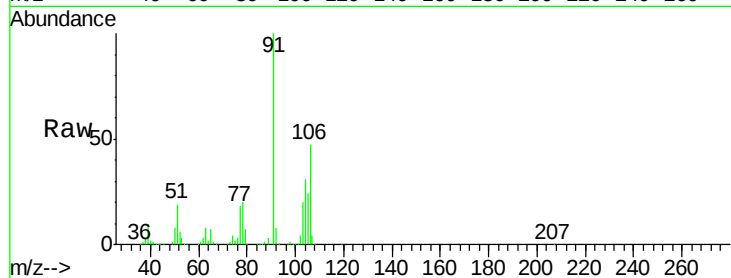
#69
o-Xylene
Concen: 47.522 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	260066		
91	91	211.1	105.7	317.1	

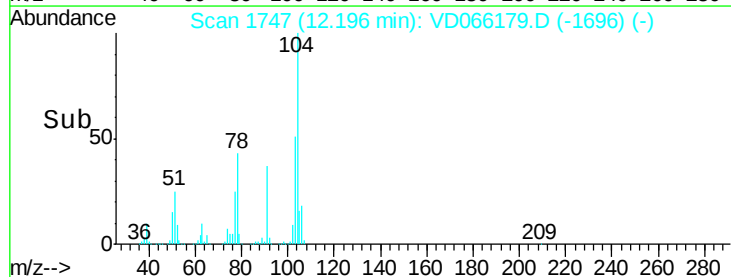
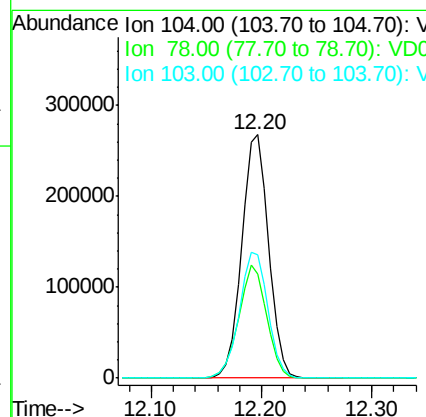
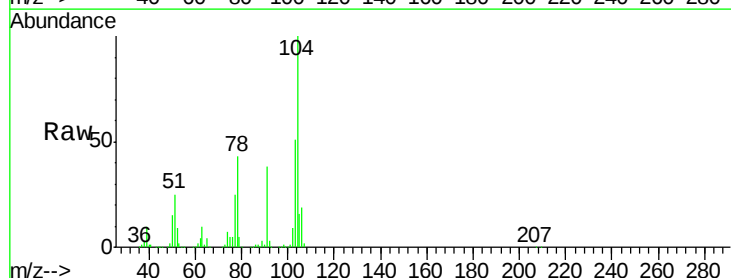
Manual Integrations
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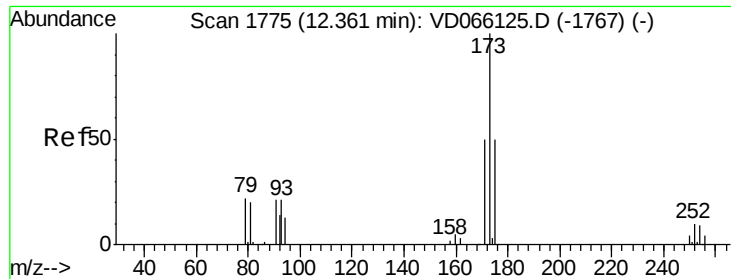
MMDadoda
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#70
Styrene
Concen: 47.853 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	458942		
78	78	48.1	38.6	58.0	
103	103	55.0	44.1	66.1	





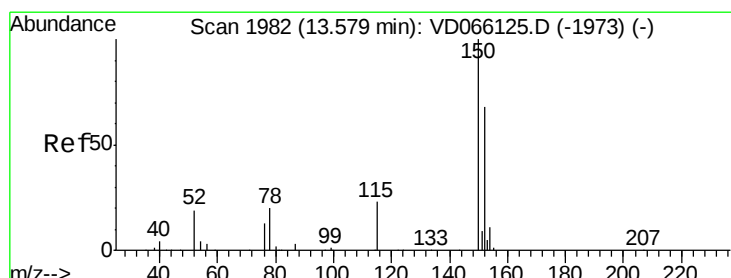
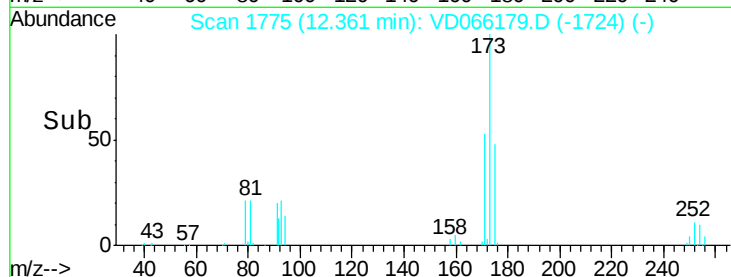
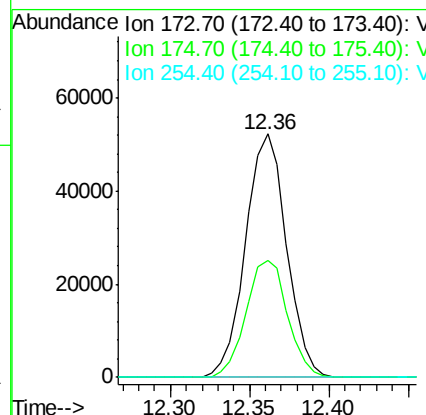
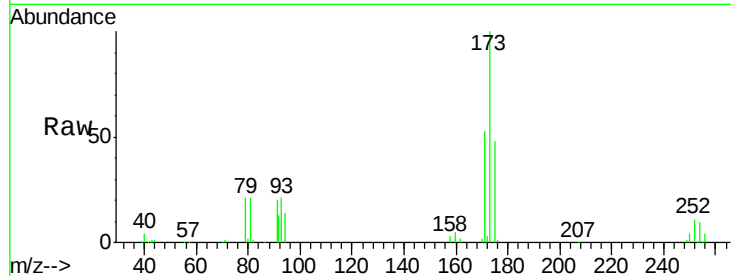
#71
Bromoform
Concen: 45.185 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.6
254	0.1	0.2	0.2#

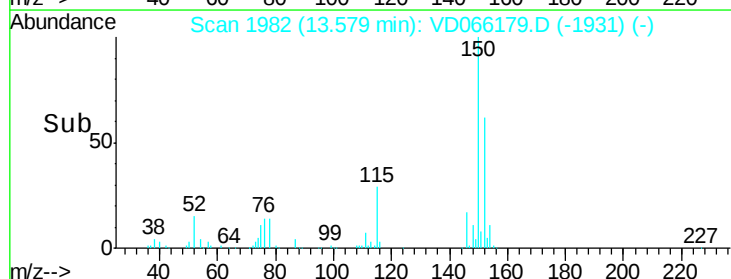
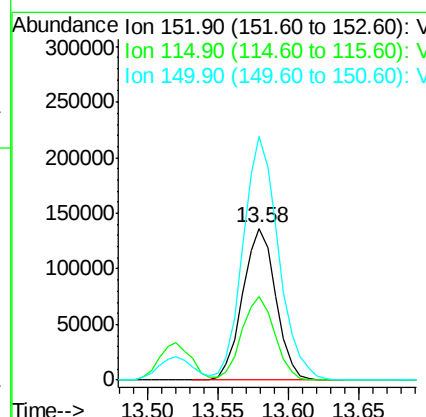
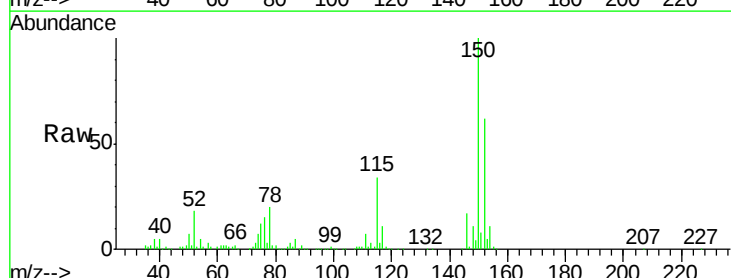
Manual Integrations
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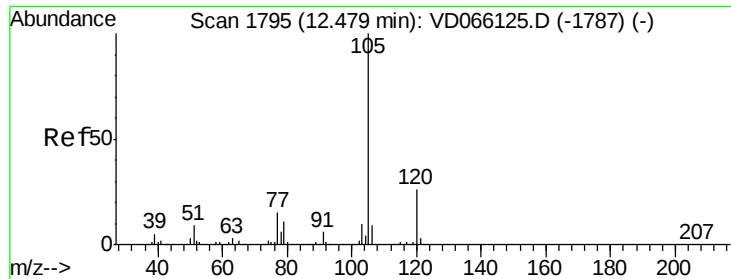
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	28.0	83.9
150	172.2	0.0	346.4





#73

Isopropylbenzene

Concen: 48.963 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 731419

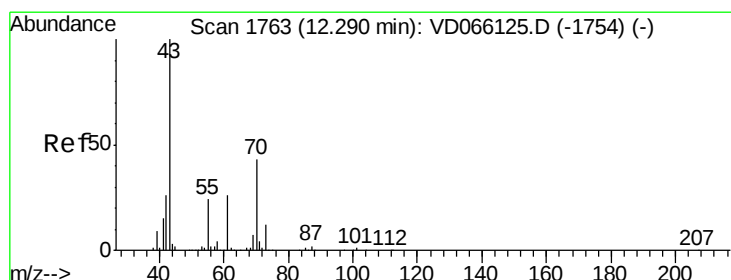
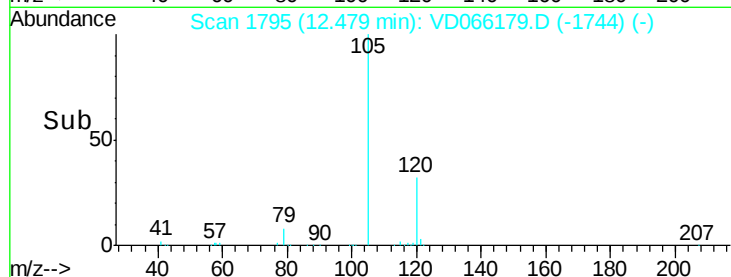
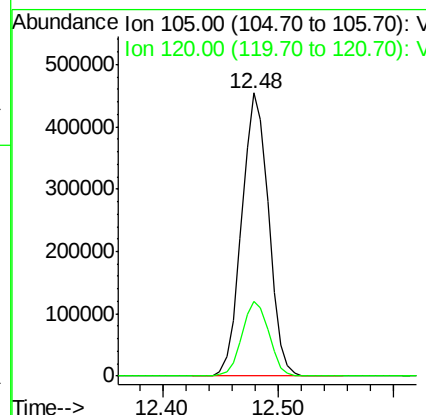
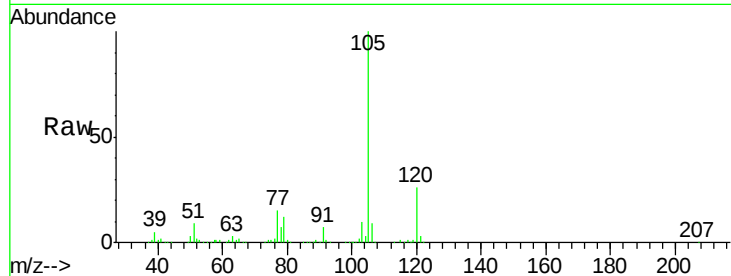
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 49.643 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Tgt Ion: 43 Resp: 163301

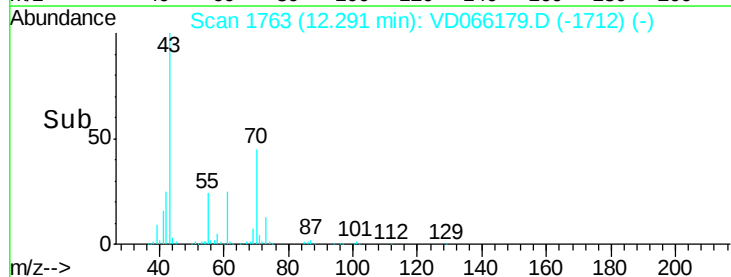
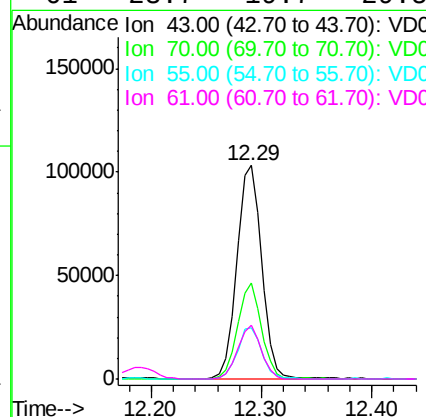
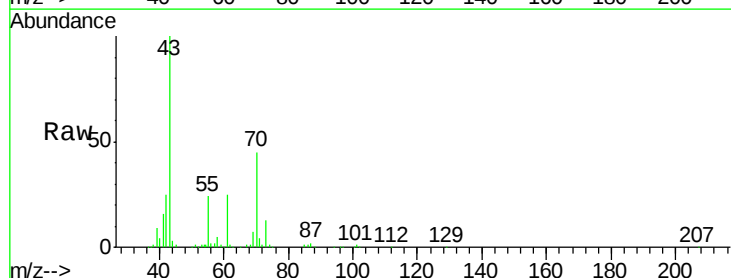
Ion Ratio Lower Upper

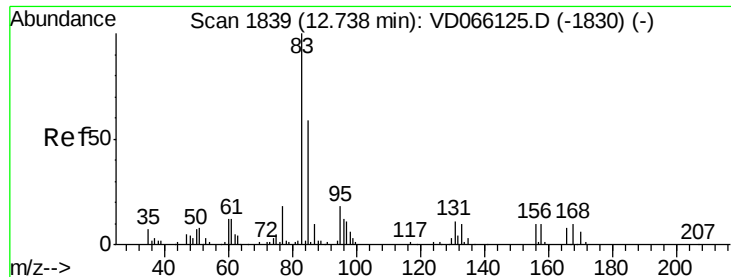
43 100

70 42.9 34.9 52.3

55 23.8 19.2 28.8

61 23.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.948 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

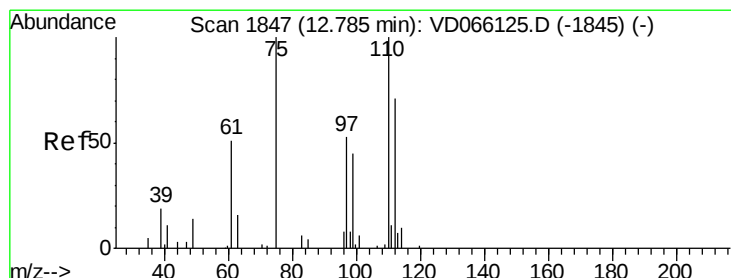
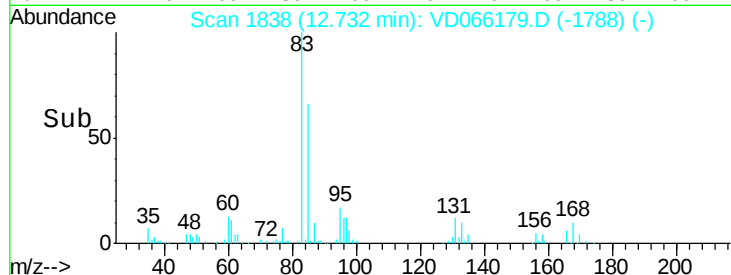
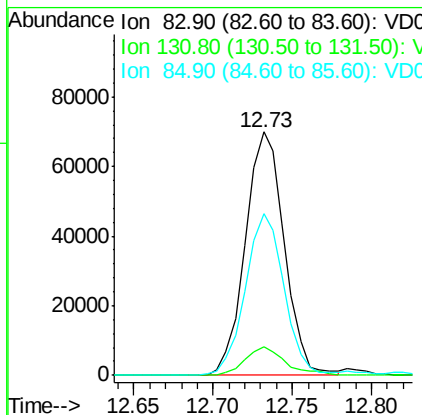
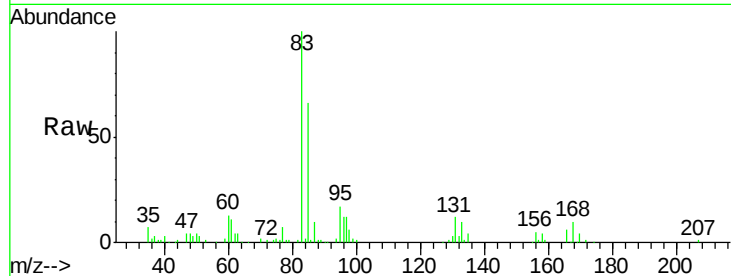
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	119587
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.2	18.6
85	66.9	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 42.772 ug/l m

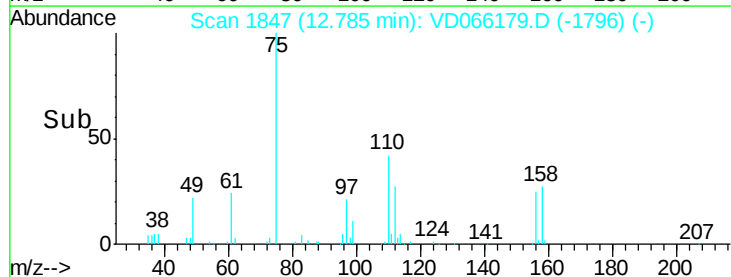
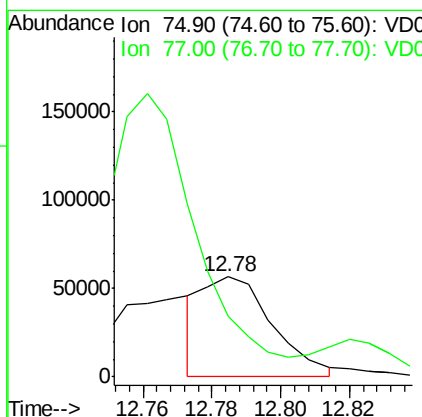
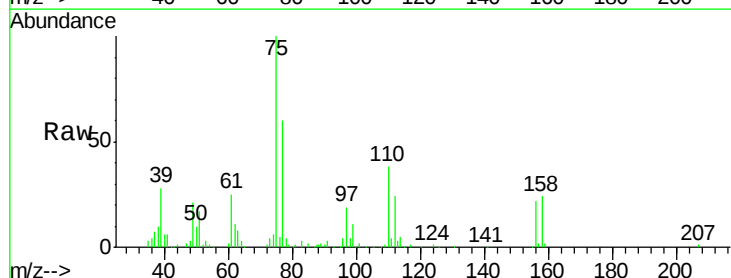
RT: 12.78 min Scan# 1847

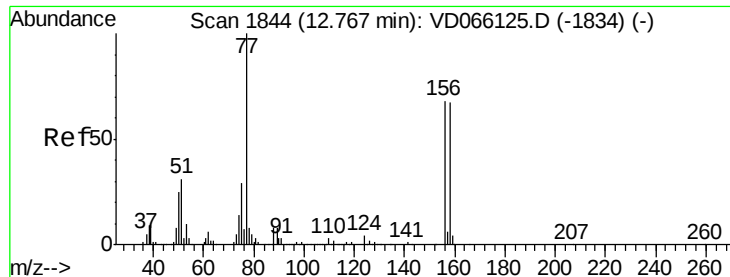
Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Tgt Ion:	75	Resp:	79821
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.488 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

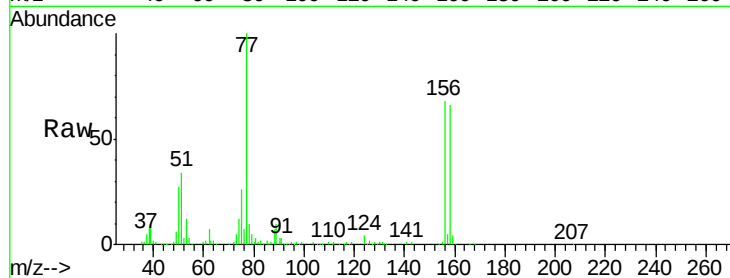
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.8	81.0	243.1
158	99.4	48.8	146.3

Manual Integrations
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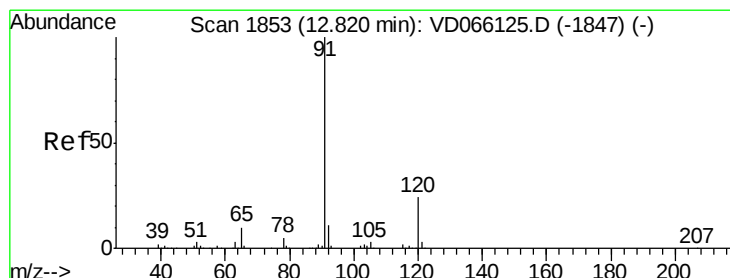
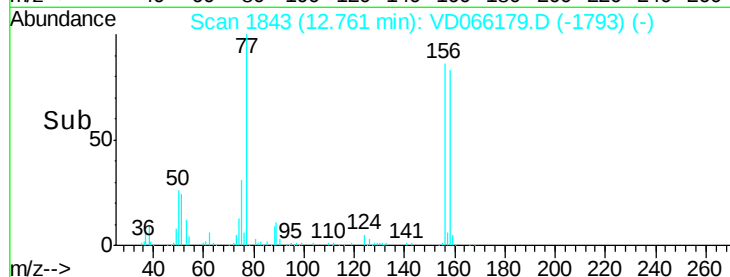
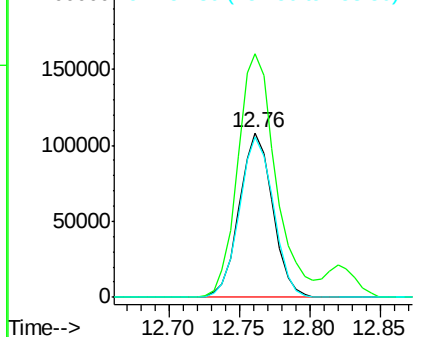
MMDadoda
8/12/2020 3:57:40 PM



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: 48.748 ug/l

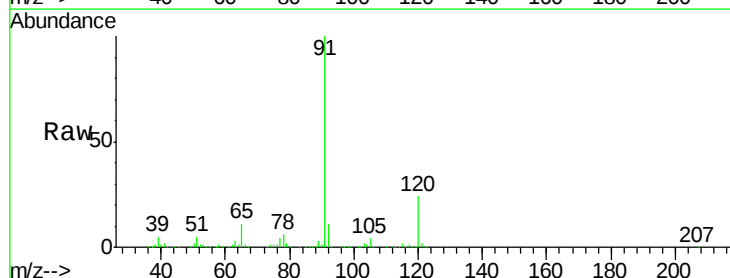
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066179.D

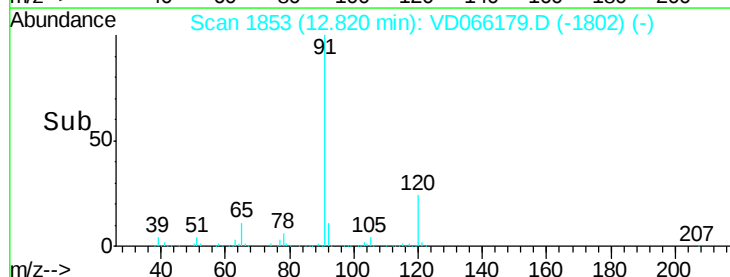
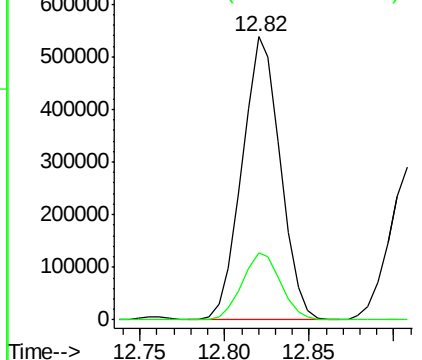
Acq: 11 Aug 2020 11:16

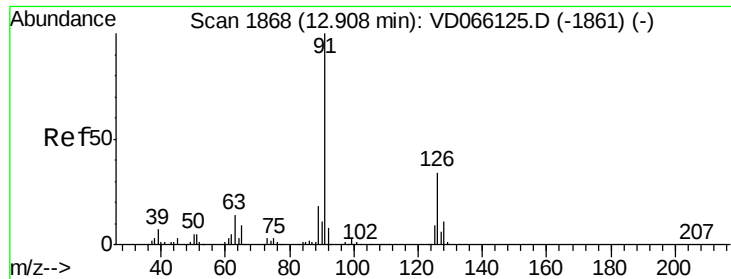
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.782 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 474549

Ion Ratio Lower Upper

91 100

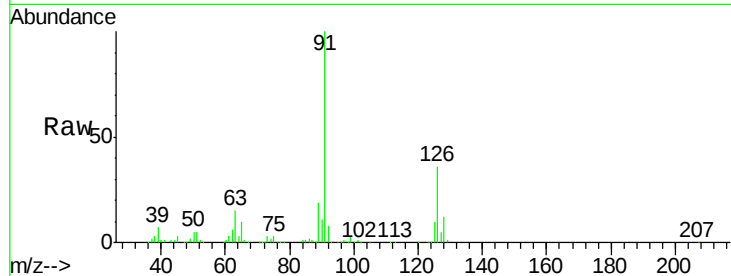
126 35.5 17.5 52.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD066179.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066179.D (-1817) (-)

400000

300000

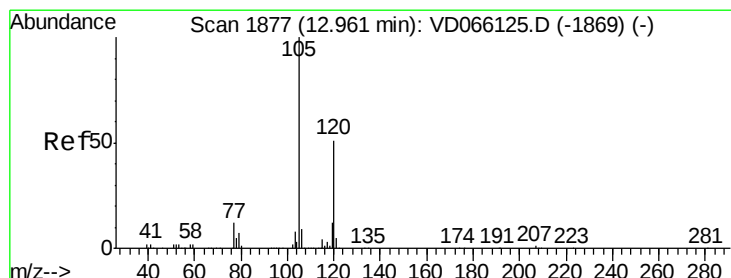
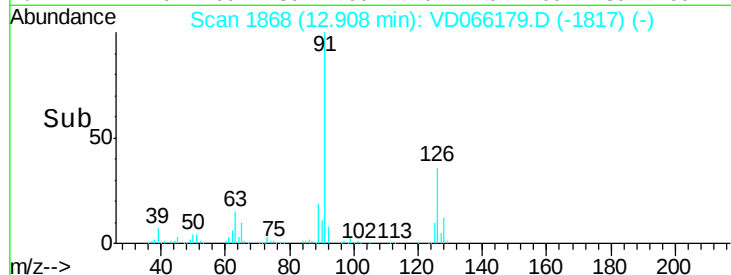
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.864 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066179.D

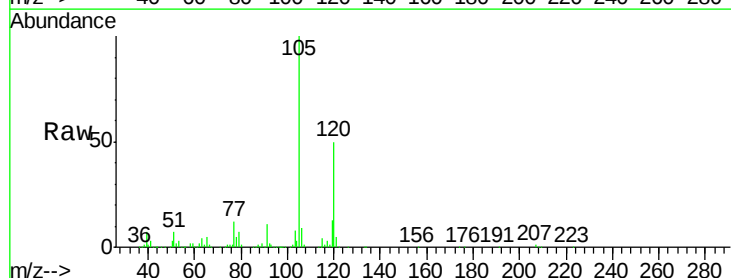
Acq: 11 Aug 2020 11:16

Tgt Ion: 105 Resp: 610454

Ion Ratio Lower Upper

105 100

120 49.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066179.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066179.D (-1826) (-)

400000

300000

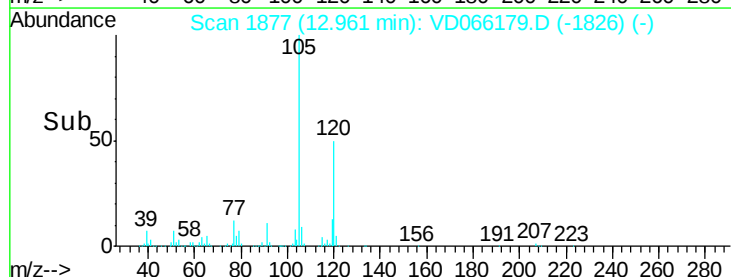
200000

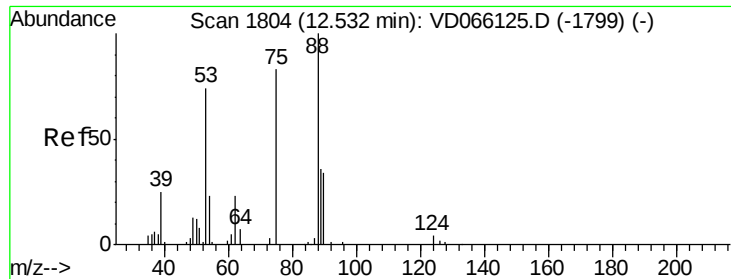
100000

0

12.90 13.00

Time-->





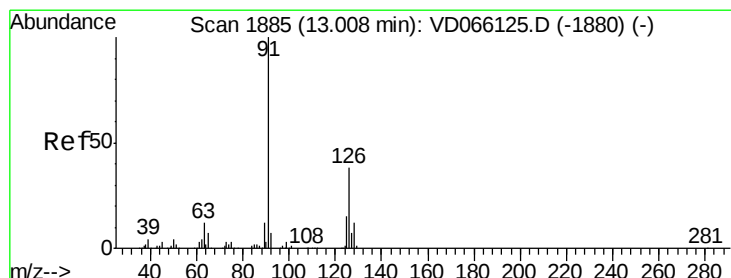
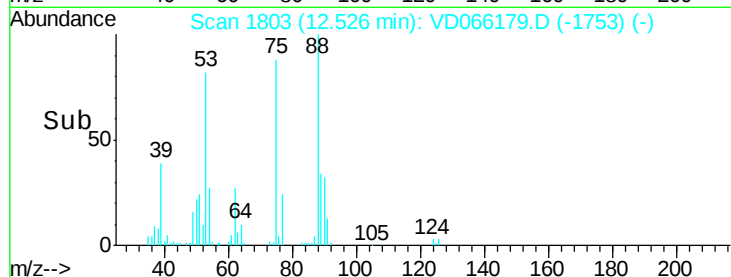
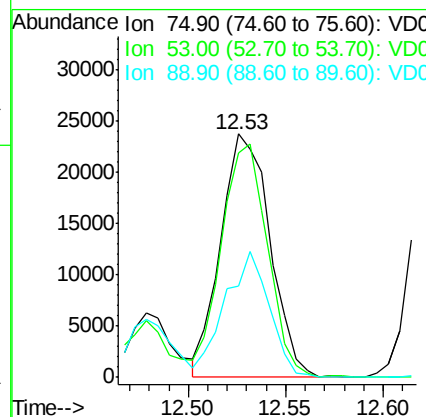
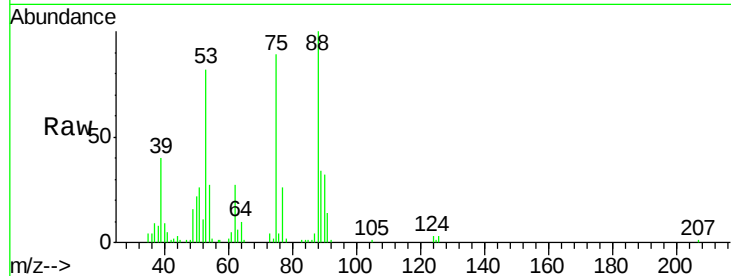
#81
trans-1,4-Dichloro-2-butene
Concen: 49.237 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.0	73.4	110.2
89	46.5	36.6	55.0

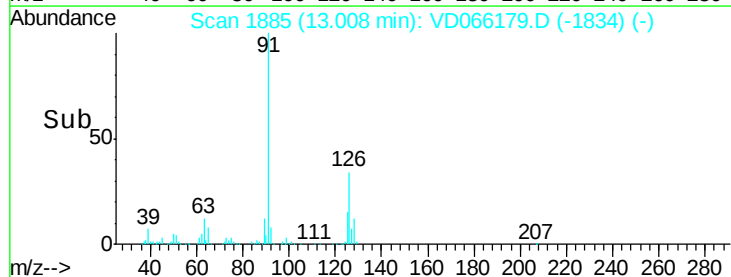
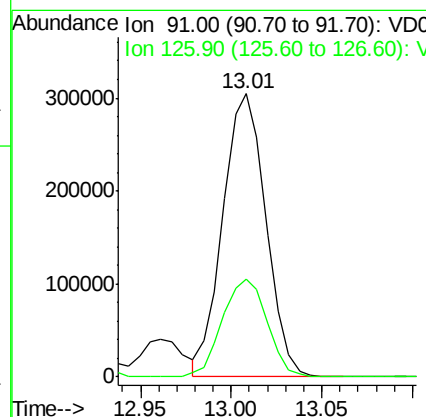
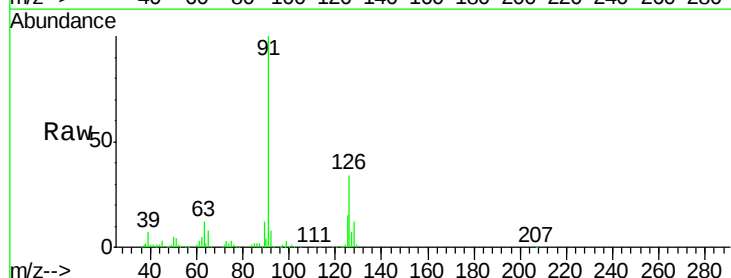
Manual Integrations
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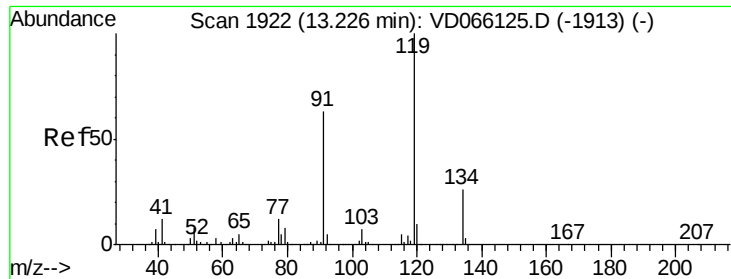
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#82
4-Chlorotoluene
Concen: 47.916 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.3





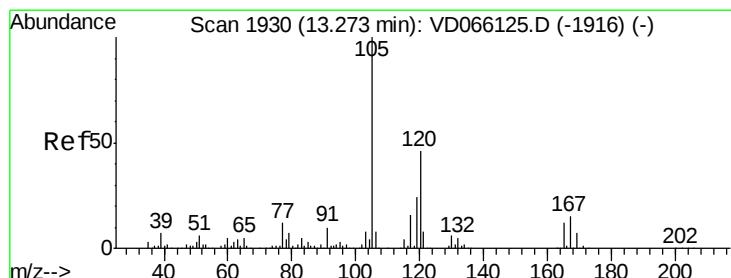
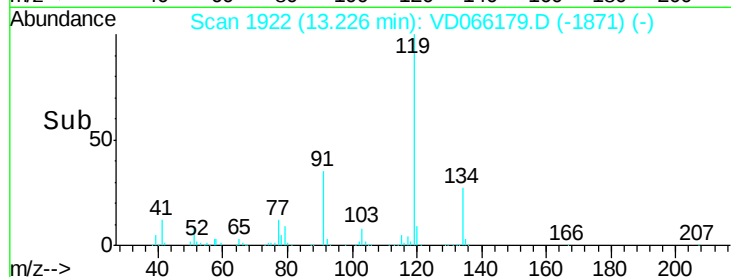
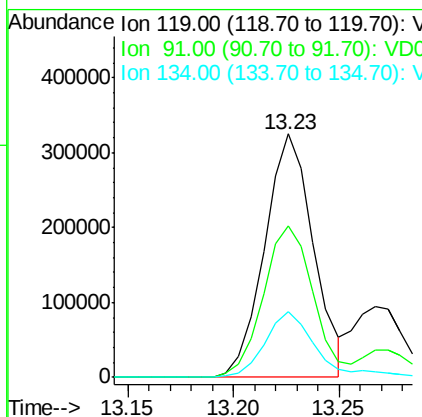
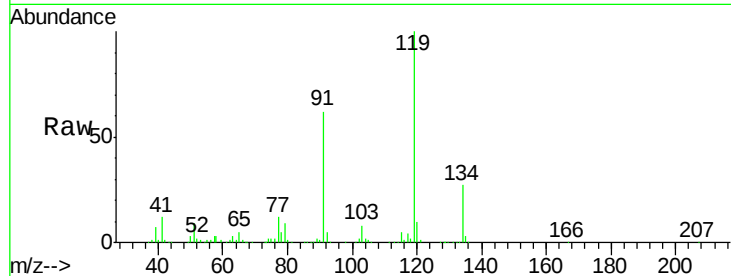
#83
tert-Butylbenzene
Concen: 47.624 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	523235		
91	63.9		30.8	92.4
134	28.1		13.6	40.8

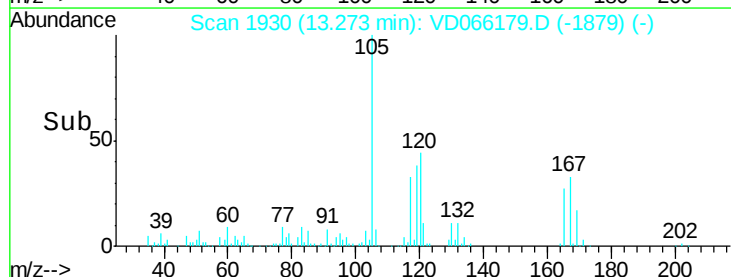
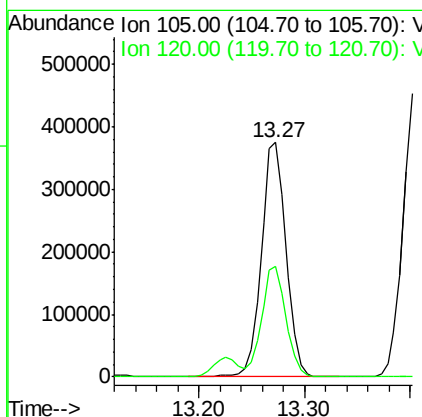
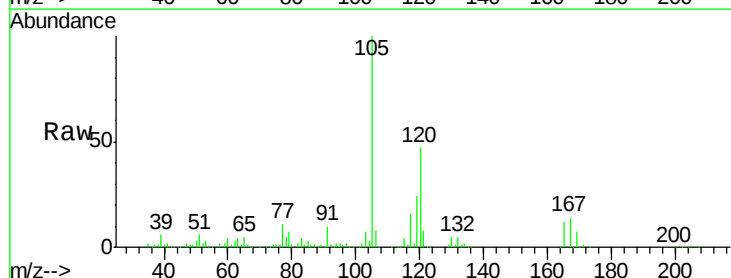
Manual Integrations
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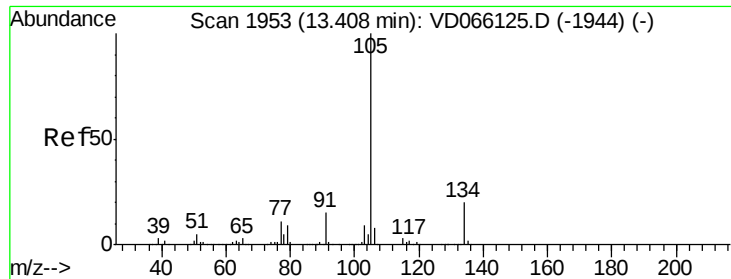
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#84
1,2,4-Trimethylbenzene
Concen: 48.631 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	608012		
120	46.3		23.1	69.2





#85

sec-Butylbenzene

Concen: 49.405 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 732859

Ion Ratio Lower Upper

105 100

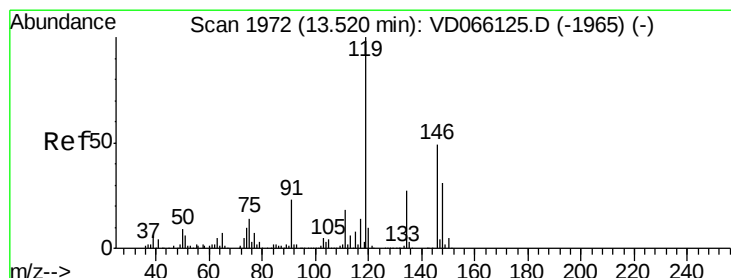
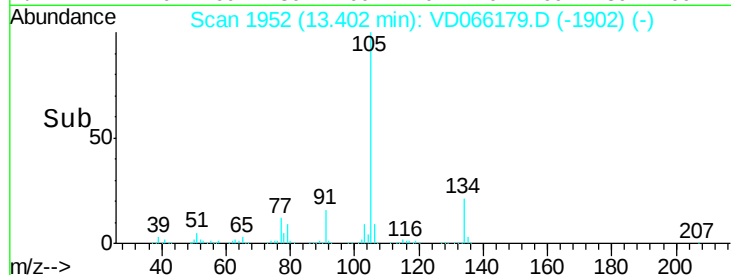
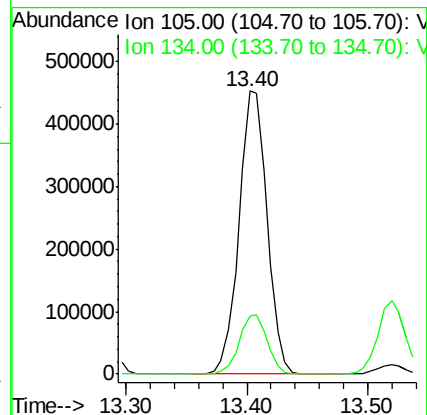
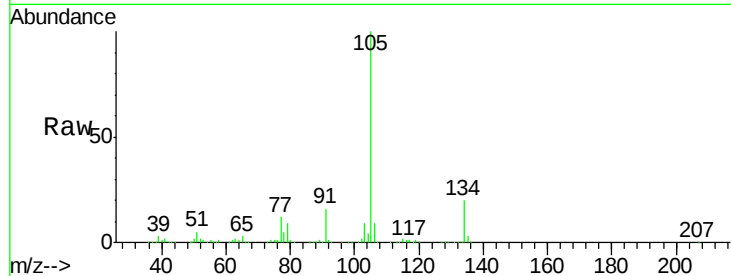
134 21.1 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.225 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

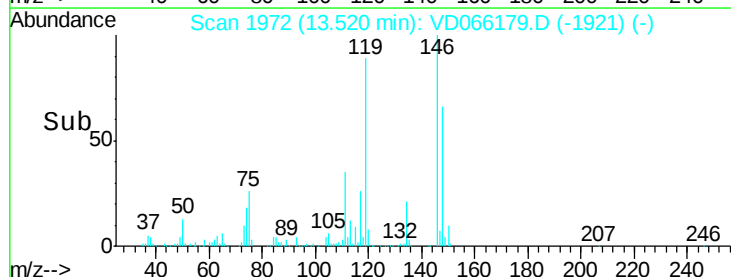
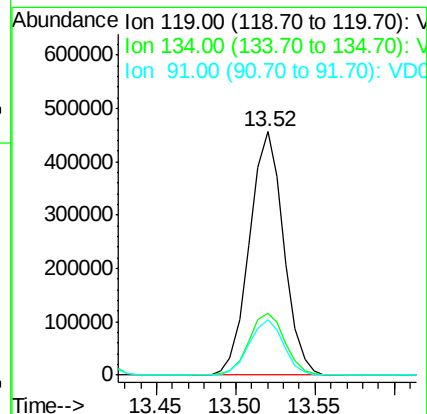
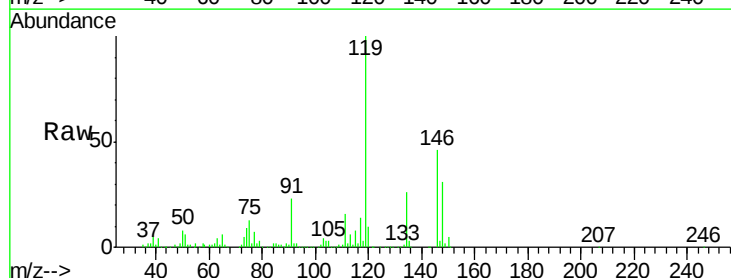
Tgt Ion:119 Resp: 684841

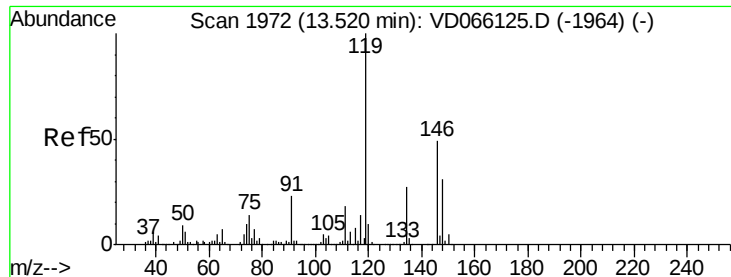
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.9 11.2 33.5





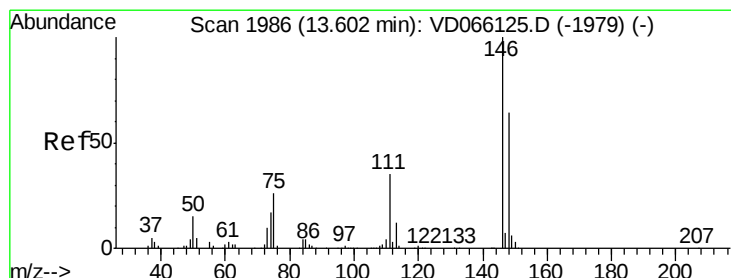
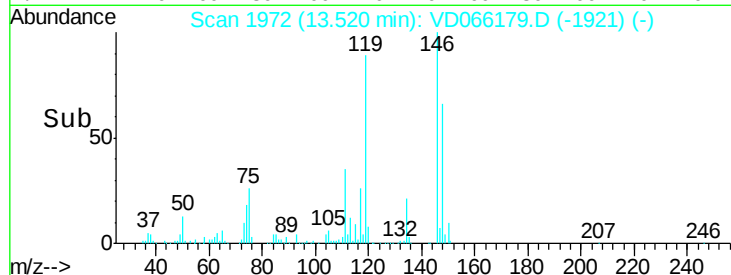
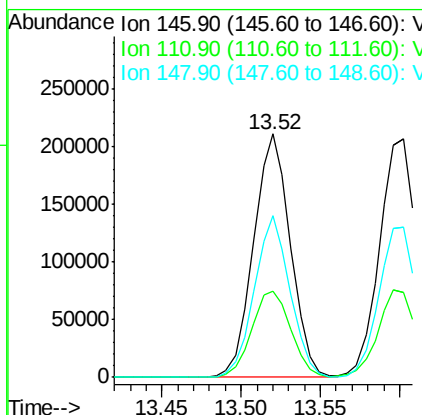
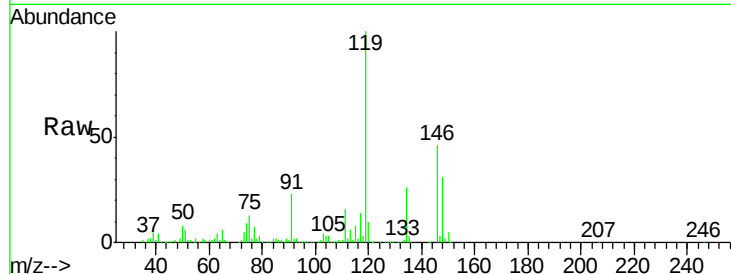
#87
 1,3-Dichlorobenzene
 Concen: 47.066 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	340158		
111	37.9	18.9	56.9	
148	64.3	31.8	95.3	

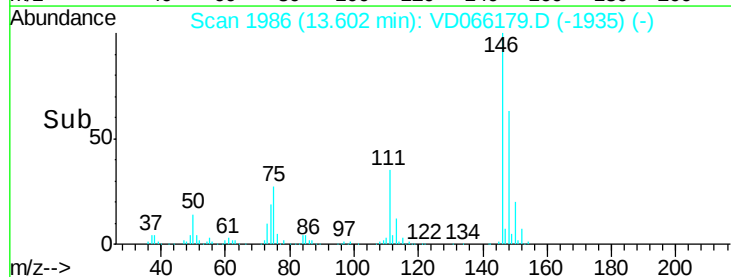
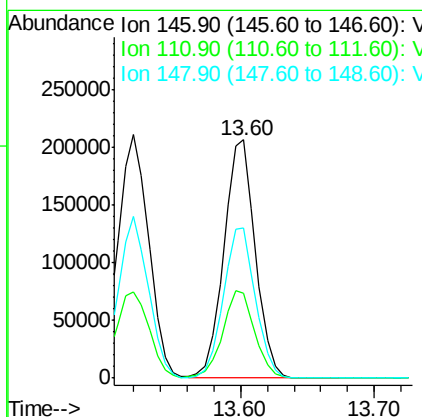
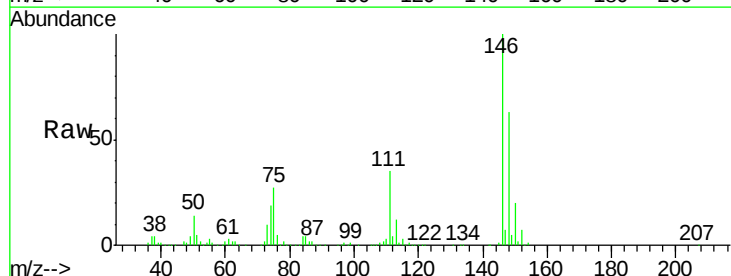
Manual Integrations
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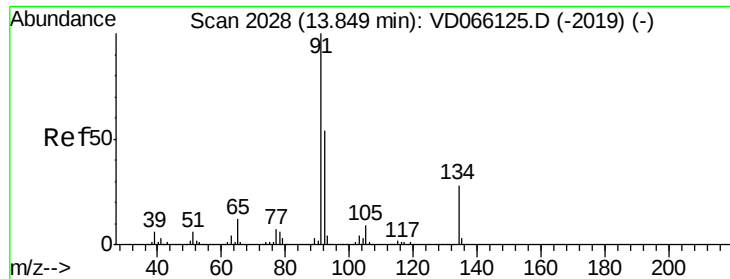
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#88
 1,4-Dichlorobenzene
 Concen: 47.291 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	340859		
111	37.2	18.6	55.8	
148	64.0	32.4	97.0	





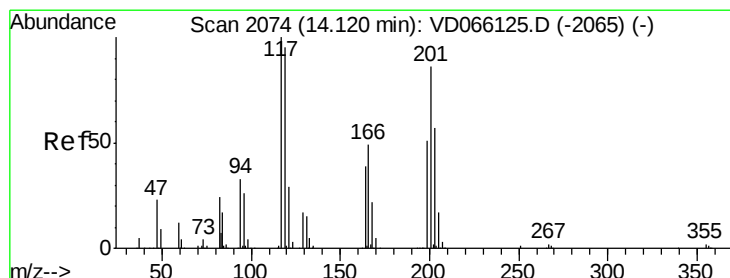
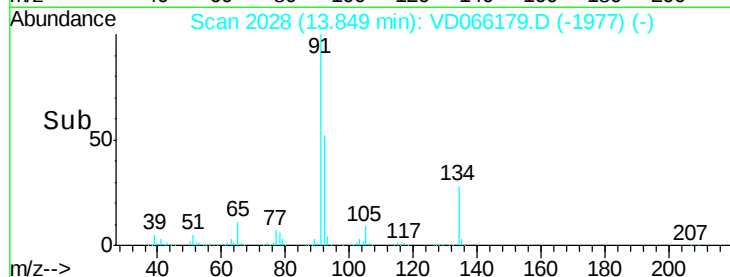
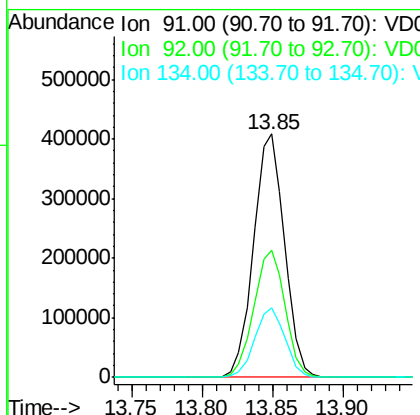
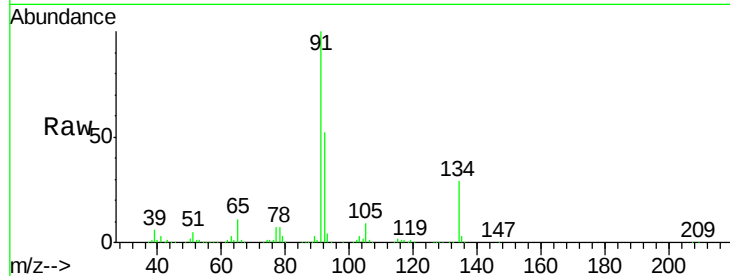
#89
n-Butylbenzene
Concen: 50.455 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.8	26.8	80.3	
134	28.0	14.0	41.9	

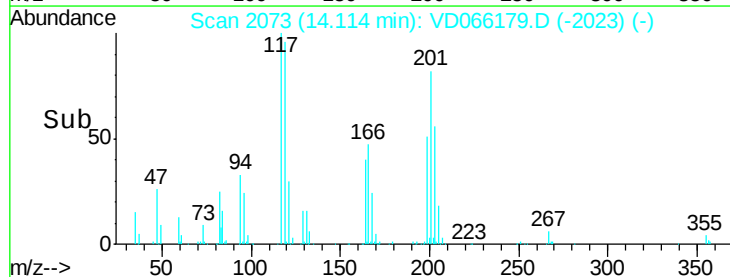
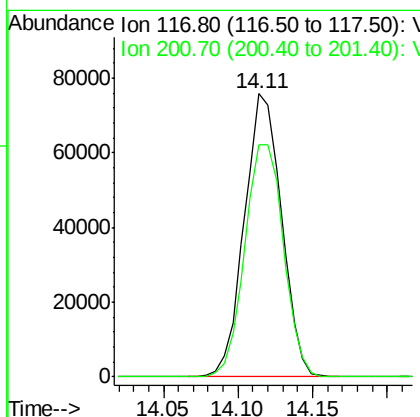
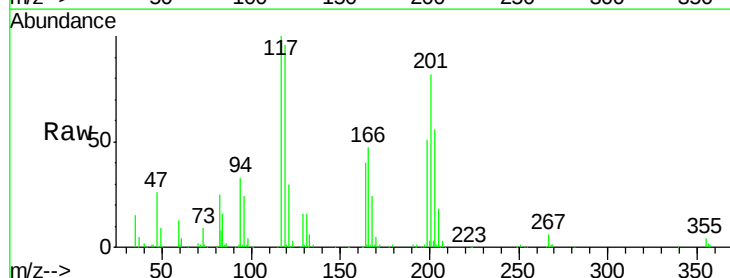
Manual Integrations
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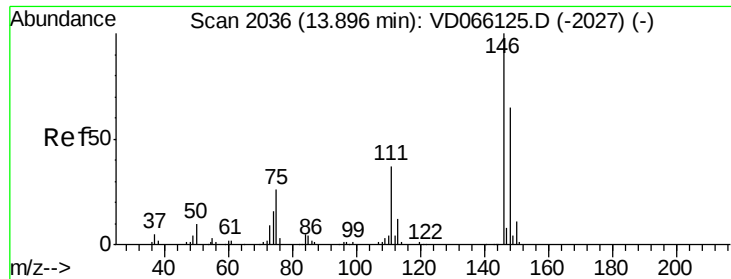
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#90
Hexachloroethane
Concen: 47.007 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.7	42.7	128.1	





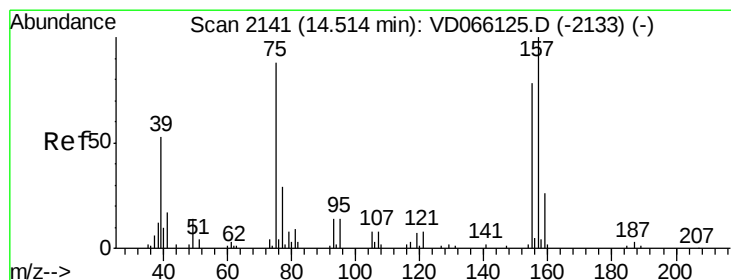
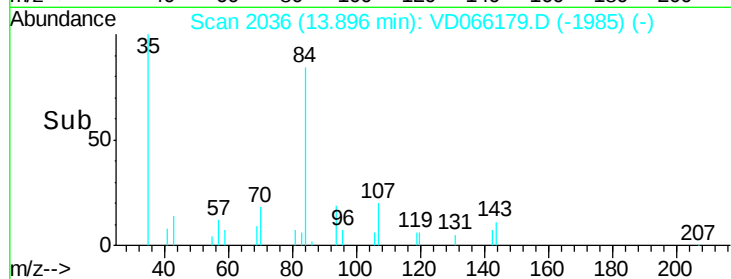
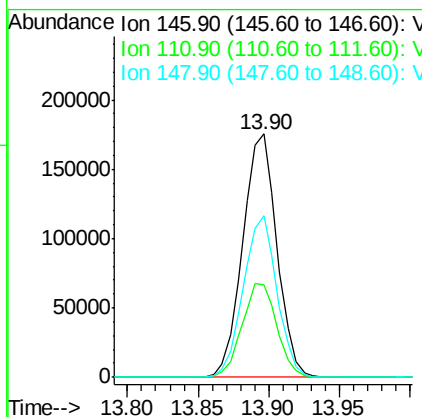
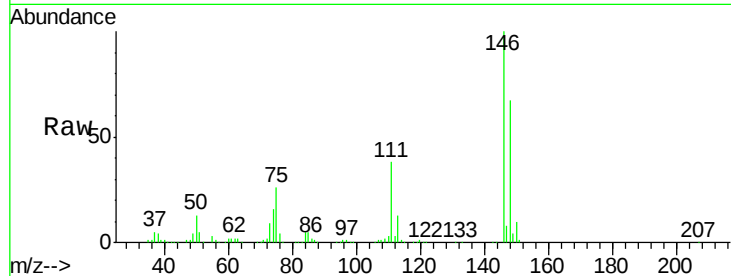
#91
 1,2-Dichlorobenzene
 Concen: 46.463 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.8	56.3
148	65.3	31.9	95.5

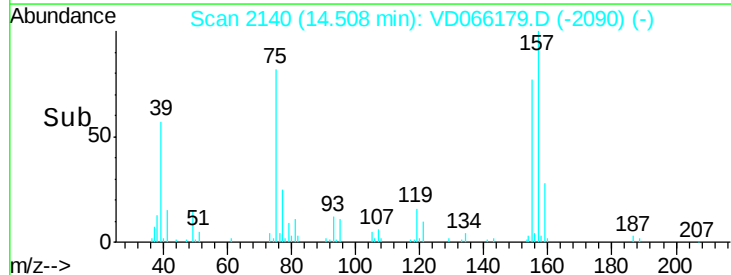
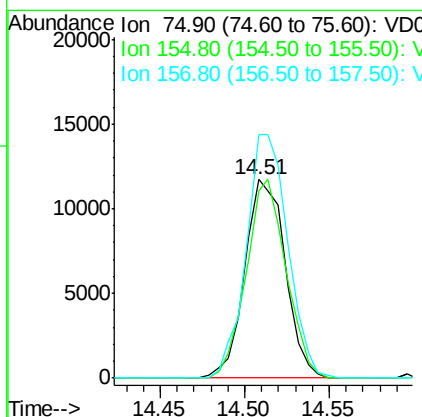
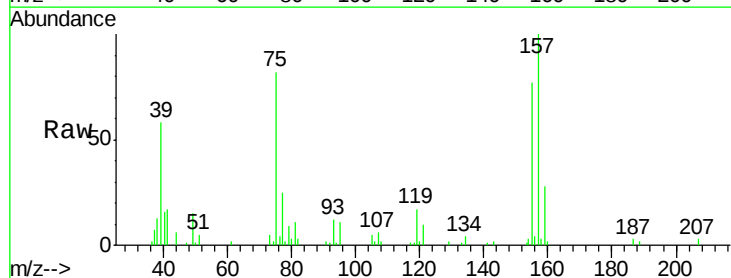
Manual Integrations
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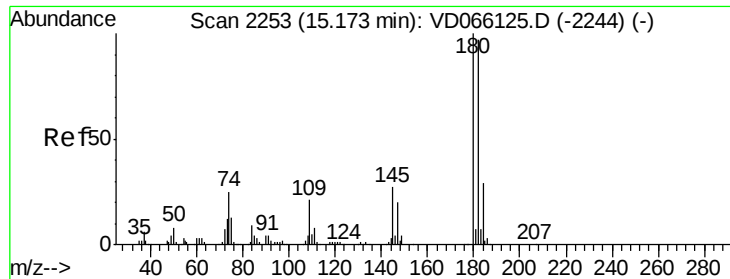
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.553 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.3	47.7	143.1
157	126.0	62.1	186.2





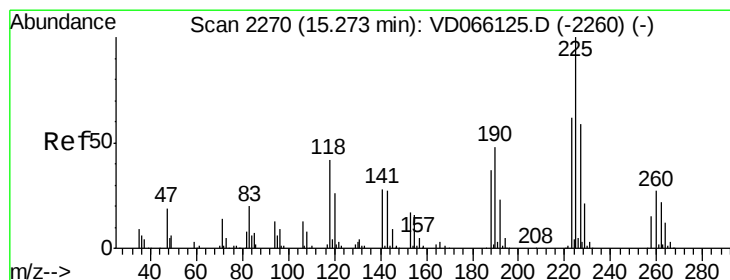
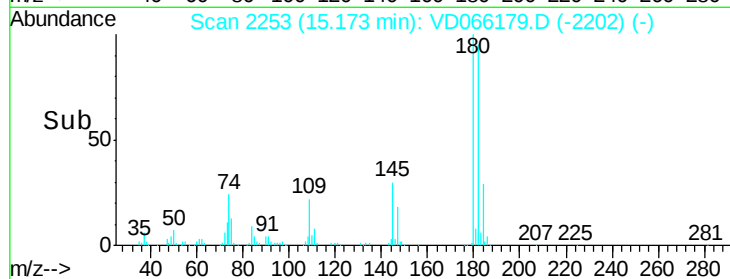
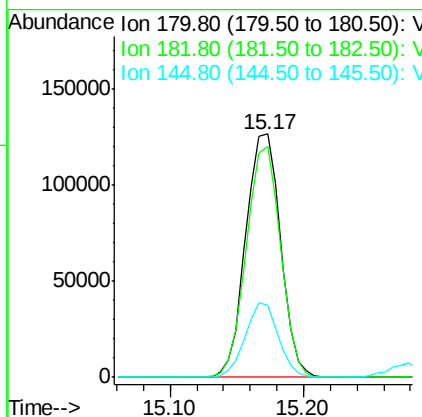
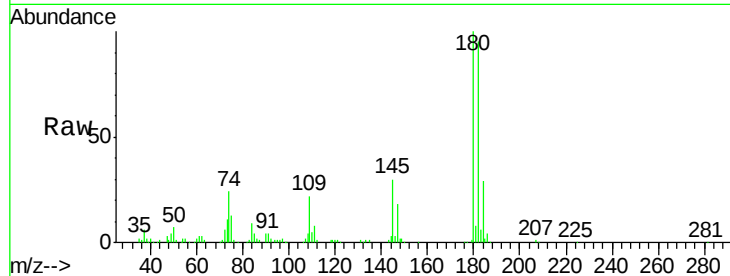
#93
 1,2,4-Trichlorobenzene
 Concen: 48.464 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	228276		
182	93.3	47.4	142.2	
145	29.1	14.5	43.6	

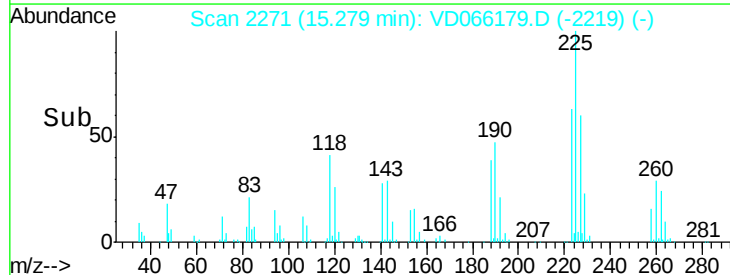
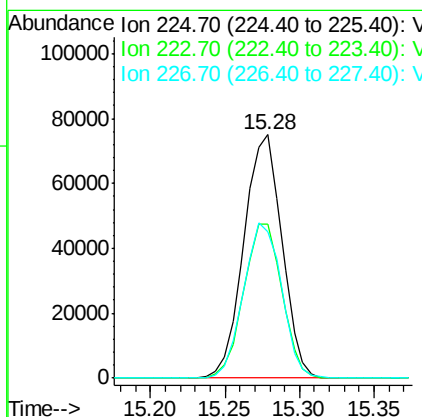
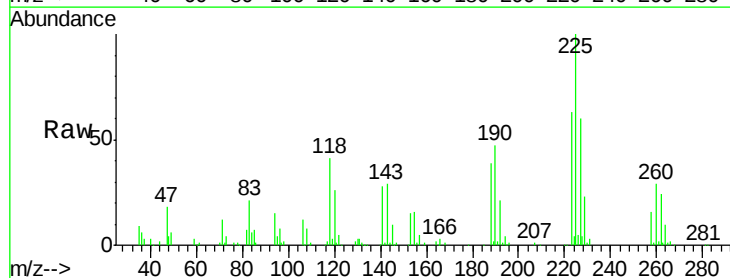
Manual Integrations
 APPROVED

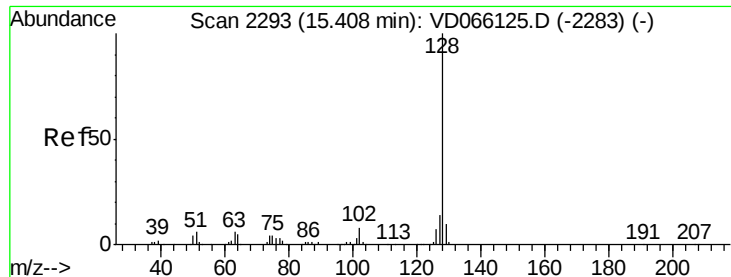
MMDadoda
 8/12/2020 3:57:40 PM



#94
 Hexachlorobutadiene
 Concen: 47.764 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132481		
223	63.8	32.3	96.9	
227	63.7	32.1	96.5	





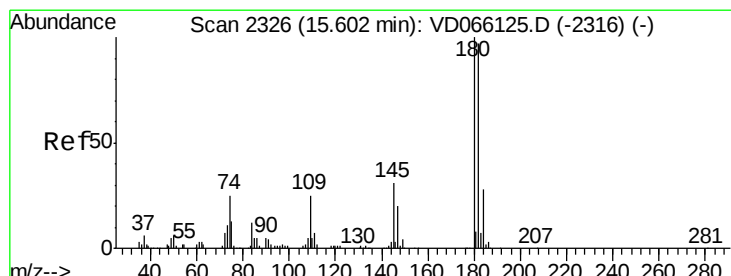
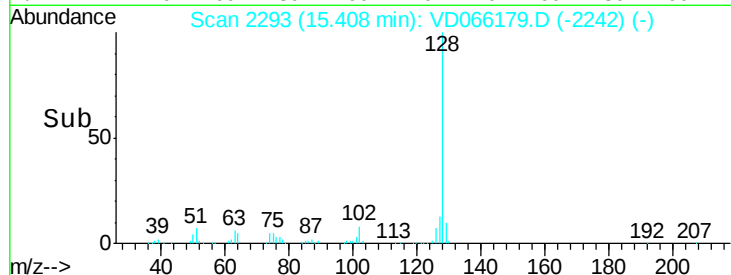
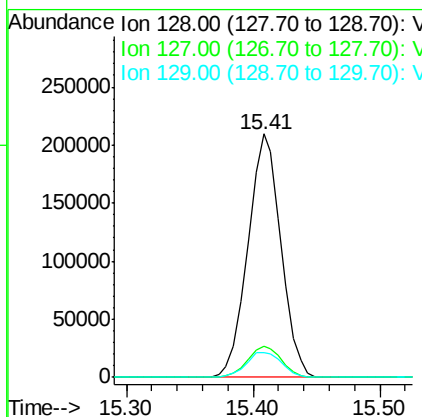
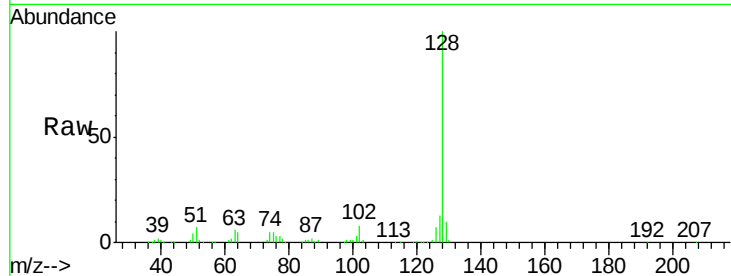
#95
Naphthalene
Concen: 49.290 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	378296		
127	13.2		11.0	16.4
129	11.1		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/12/2020 3:57:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.799 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	194592		
182	96.1		47.1	141.4
145	31.7		14.9	44.9

