

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080520\
 Data File : VD066123.D
 Acq On : 05 Aug 2020 11:03
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:14 PM

Quant Time: Aug 05 13:41:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:31:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	345711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	497798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	474790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	30584	9.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.80%	
35) Dibromofluoromethane	7.91	113	31288	9.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.66%	
50) Toluene-d8	10.34	98	113305	9.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.50%	
62) 4-Bromofluorobenzene	12.63	95	40879	9.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	37127	11.554	ug/l	95
3) Chloromethane	2.20	50	28038	11.089	ug/l	99
4) Vinyl Chloride	2.34	62	24122	11.147	ug/l	95
5) Bromomethane	2.76	94	16126	10.897	ug/l	88
6) Chloroethane	2.91	64	15326	11.369	ug/l #	85
7) Trichlorofluoromethane	3.26	101	60841	10.793	ug/l	94
8) Diethyl Ether	3.70	74	15710	10.212	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	36567	10.970	ug/l	99
10) Methyl Iodide	4.29	142	19289	9.424	ug/l	99
11) Tert butyl alcohol	5.22	59	19756	53.724	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	33436	10.687	ug/l	90
13) Acrolein	3.93	56	13308	53.274	ug/l	100
14) Allyl chloride	4.71	41	48722	10.376	ug/l	96
15) Acrylonitrile	5.43	53	35846	55.417	ug/l	99
16) Acetone	4.17	43	31982	53.816	ug/l	97
17) Carbon Disulfide	4.40	76	107740	10.817	ug/l	98
18) Methyl Acetate	4.71	43	16034	10.519	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	75657	10.794	ug/l	99
20) Methylene Chloride	4.96	84	45021	10.271	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	38718	10.751	ug/l	96
22) Diisopropyl ether	6.36	45	100088	10.785	ug/l	97
23) Vinyl Acetate	6.30	43	289150	53.840	ug/l	97
24) 1,1-Dichloroethane	6.26	63	60959	10.529	ug/l	97
25) 2-Butanone	7.21	43	47035	53.496	ug/l	91
26) 2,2-Dichloropropane	7.20	77	57161	10.785	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	39619	10.631	ug/l	98
28) Bromochloromethane	7.54	49	19955	9.862	ug/l	91
29) Tetrahydrofuran	7.56	42	28046	52.480	ug/l	99
30) Chloroform	7.71	83	65224	10.705	ug/l	93
31) Cyclohexane	7.98	56	61717	10.933	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	60572	10.624	ug/l	98
36) 1,1-Dichloropropene	8.11	75	50514	10.513	ug/l	98
37) Ethyl Acetate	7.29	43	19281	10.341	ug/l	98
38) Carbon Tetrachloride	8.08	117	57764	10.814	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	60520	10.615	ug/l	97
40) Benzene	8.34	78	141946	10.646	ug/l	96
41) Methacrylonitrile	7.51	41	11681	10.994	ug/l	92
42) 1,2-Dichloroethane	8.42	62	41760	10.724	ug/l	99
43) Isopropyl Acetate	8.45	43	39481	10.836	ug/l	100
44) Trichloroethene	9.11	130	41972	10.534	ug/l	93
45) 1,2-Dichloropropane	9.38	63	34559	10.707	ug/l	92
46) Dibromomethane	9.47	93	19738	11.122	ug/l	98
47) Bromodichloromethane	9.66	83	51539	10.982	ug/l	95
48) Methyl methacrylate	9.46	41	19867	10.352	ug/l	98
49) 1,4-Dioxane	9.46	88	5222	229.424	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	103440	54.479	ug/l	97
52) Toluene	10.40	92	92613	10.613	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	48098	10.940	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	53979	10.501	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	28978	11.204	ug/l	97
56) Ethyl methacrylate	10.66	69	32016	10.791	ug/l	98
57) 1,3-Dichloropropane	10.94	76	45372	10.668	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	72306	53.568	ug/l	98
59) 2-Hexanone	10.98	43	72015	54.239	ug/l	94
60) Dibromochloromethane	11.14	129	37638	10.630	ug/l	94
61) 1,2-Dibromoethane	11.24	107	25803	10.521	ug/l	92
64) Tetrachloroethene	10.87	164	39662	10.658	ug/l	95
65) Chlorobenzene	11.67	112	102446	10.396	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	40932	10.566	ug/l	98
67) Ethyl Benzene	11.74	91	176675	10.447	ug/l	97
68) m/p-Xylenes	11.86	106	138515	21.061	ug/l	99
69) o-Xylene	12.18	106	61718	10.429	ug/l	99
70) Styrene	12.20	104	110246	10.575	ug/l	100
71) Bromoform	12.37	173	24803	10.882	ug/l #	100
73) Isopropylbenzene	12.48	105	172053	10.272	ug/l	99
74) N-amyl acetate	12.29	43	38472	10.677	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	30735	10.581	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	21073m	10.228	ug/l	
77) Bromobenzene	12.77	156	44678	10.273	ug/l	97
78) n-propylbenzene	12.83	91	202721	10.361	ug/l	99
79) 2-Chlorotoluene	12.91	91	115218	10.269	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	144682	10.312	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	9672	10.278	ug/l	96
82) 4-Chlorotoluene	13.01	91	124099	10.442	ug/l	98
83) tert-Butylbenzene	13.23	119	125297	10.202	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	141252	10.011	ug/l	97
85) sec-Butylbenzene	13.41	105	176293	10.585	ug/l	99
86) p-Isopropyltoluene	13.52	119	162476	10.373	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	86185	10.416	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	86119	10.476	ug/l	97
89) n-Butylbenzene	13.85	91	140705	10.128	ug/l	100
90) Hexachloroethane	14.12	117	32930	10.522	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	75008	10.279	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5150	10.417	ug/l	98

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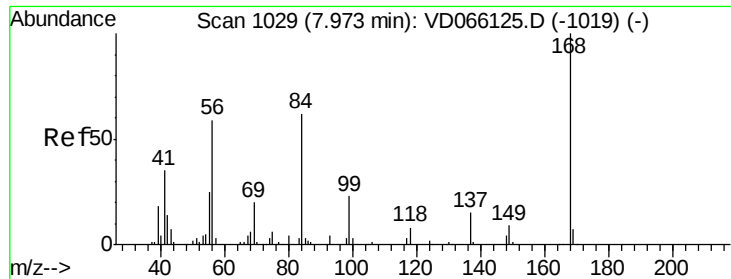
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	53736	10.260	ug/l	98
94) Hexachlorobutadiene	15.28	225	32779	10.540	ug/l	97
95) Naphthalene	15.41	128	81718	9.890	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	46083	9.936	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: VD066123.D

Acq: 05 Aug 2020 11:03

Tot Ion: 168 Resp: 345711

Ion Ratio Lower Upper

168 100

99 50.5 42.2 63.4

Instrument :

MSVOA_D

ClientSampleId :

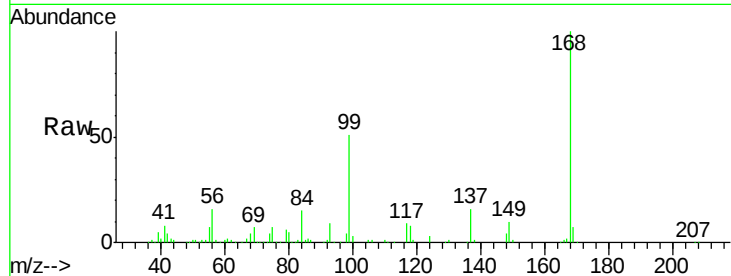
VSTDIC010

Manual Integrations

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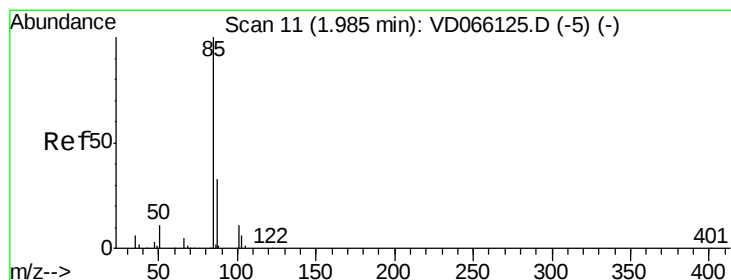
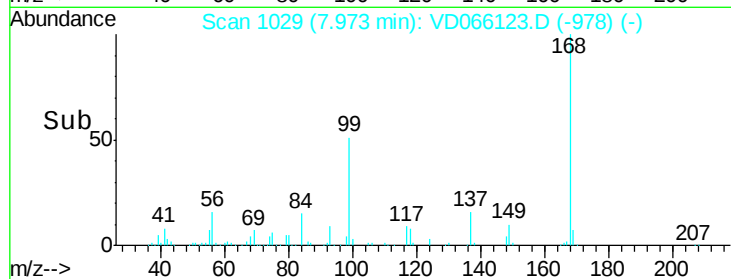
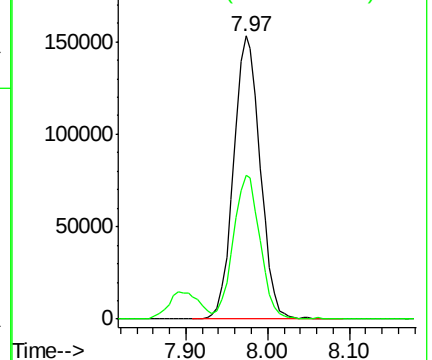
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 11.554 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066123.D

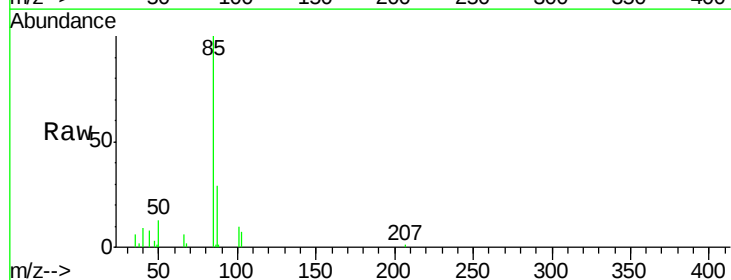
Acq: 05 Aug 2020 11:03

Tgt Ion: 85 Resp: 37127

Ion Ratio Lower Upper

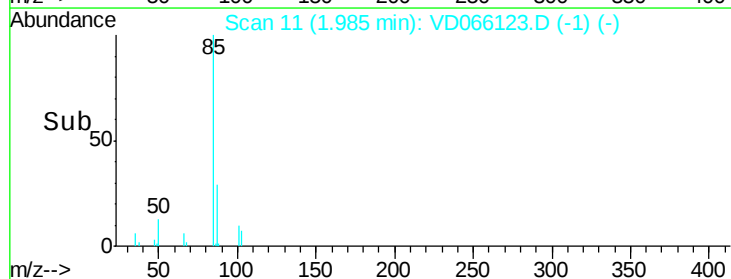
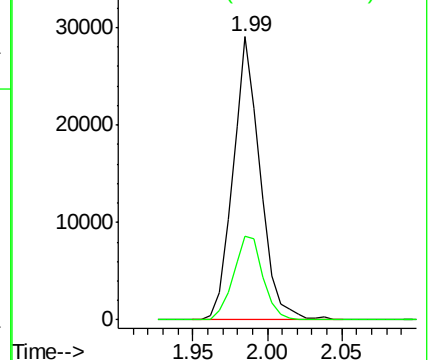
85 100

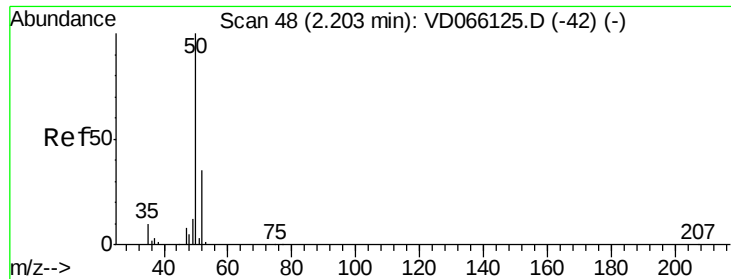
87 29.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 11.089 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 28038

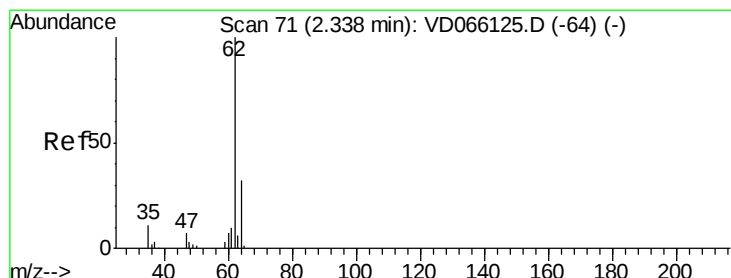
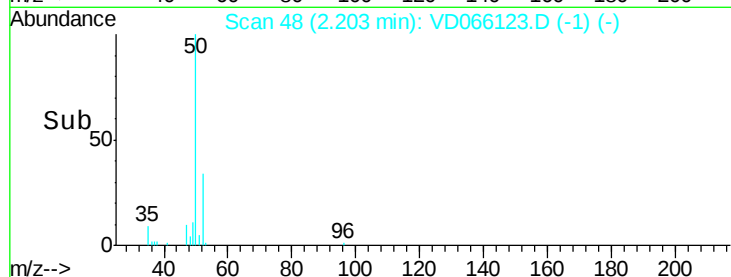
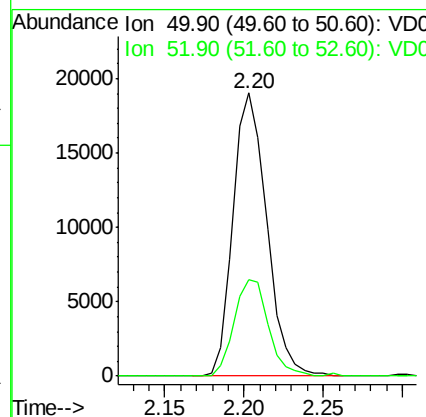
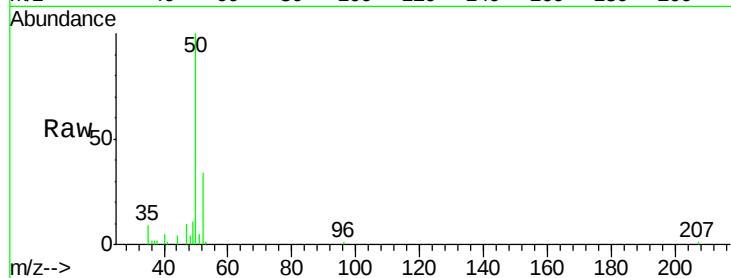
Ion Ratio Lower Upper

50 100

52 34.2 27.9 41.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 11.147 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066123.D

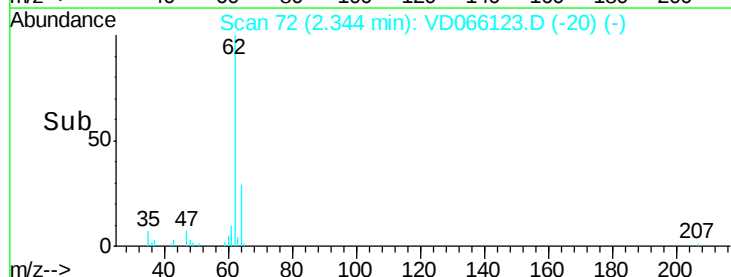
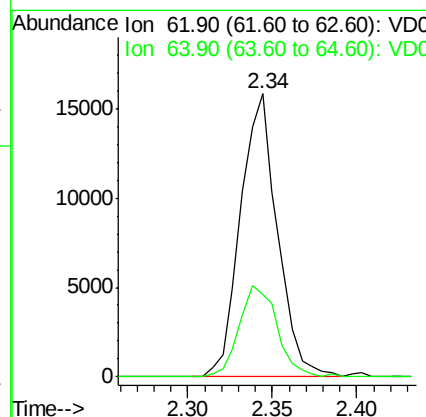
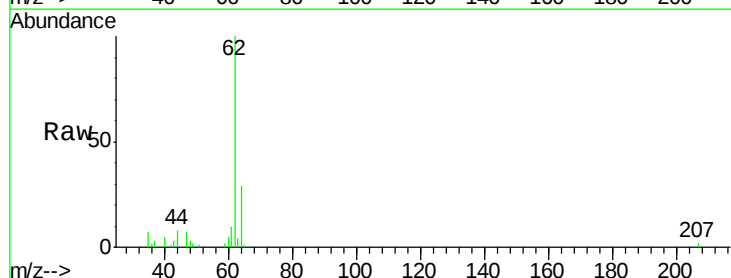
Acq: 05 Aug 2020 11:03

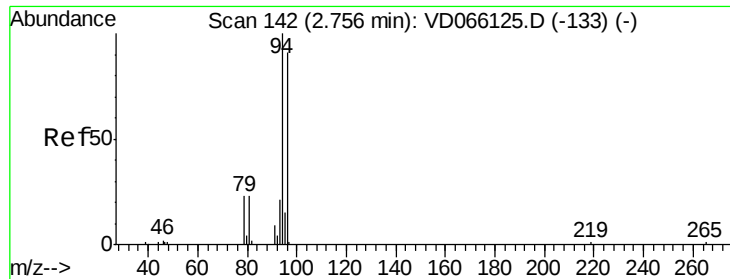
Tgt Ion: 62 Resp: 24122

Ion Ratio Lower Upper

62 100

64 29.3 25.8 38.8





#5

Bromomethane

Concen: 10.897 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 16126

Ion Ratio Lower Upper

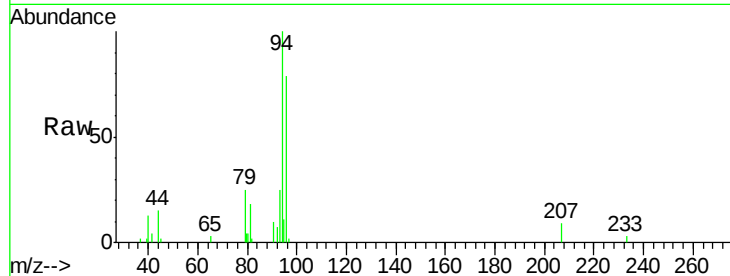
94 100

96 79.4 72.6 109.0

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

8000

6000

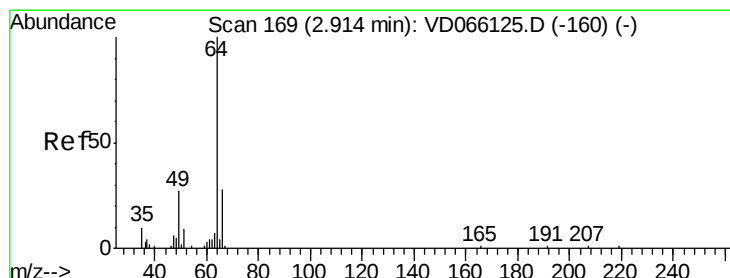
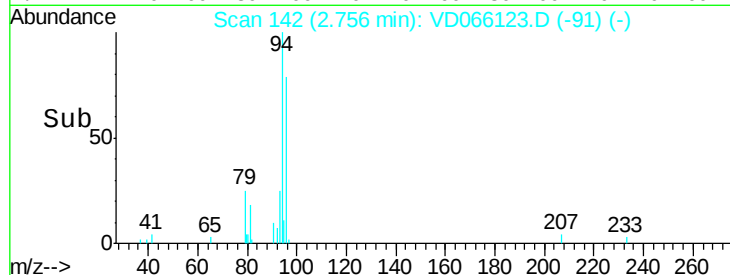
4000

2000

0

2.65 2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 11.369 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066123.D

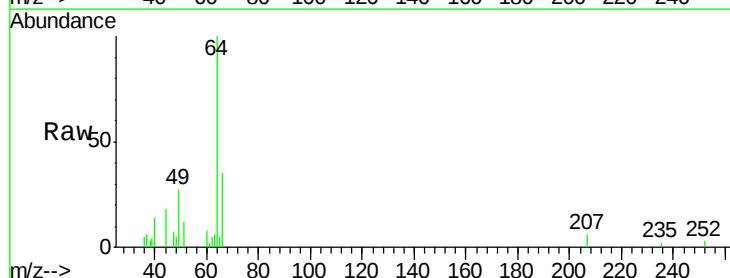
Acq: 05 Aug 2020 11:03

Tgt Ion: 64 Resp: 15326

Ion Ratio Lower Upper

64 100

66 35.4 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

8000

6000

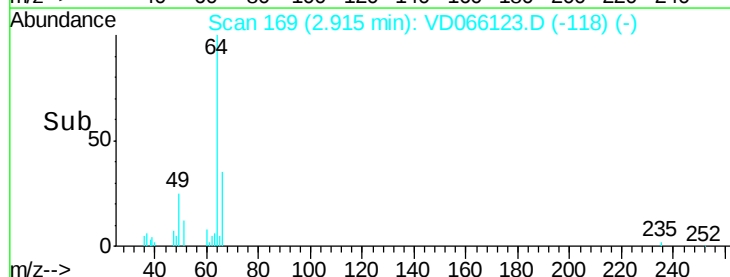
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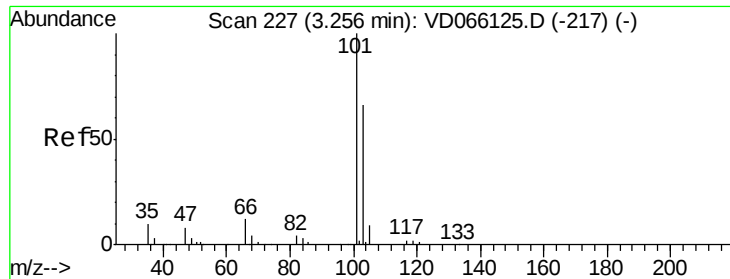
2000

0

2.80 2.85 2.90 2.95 3.00

Time-->





#7

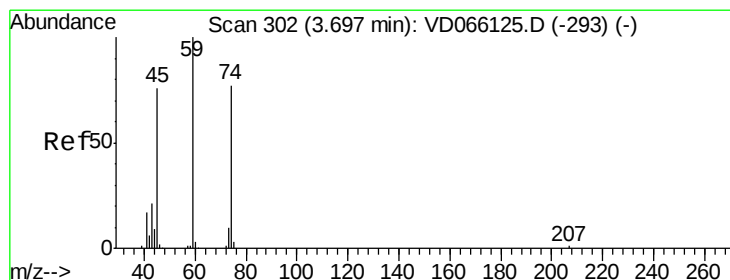
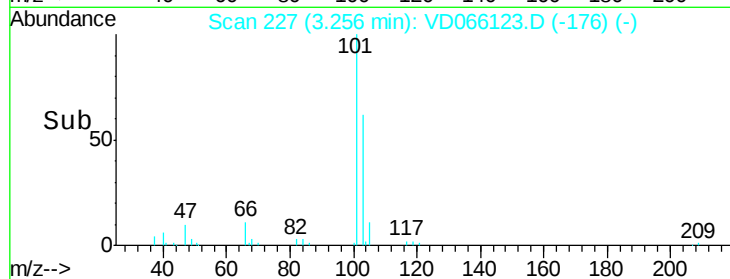
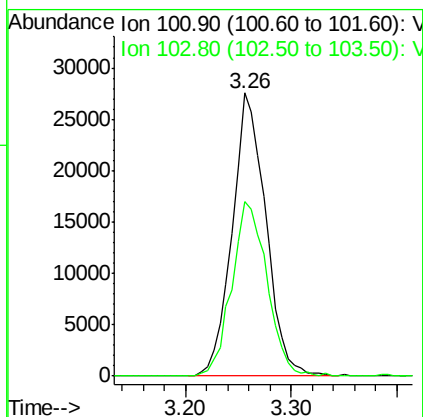
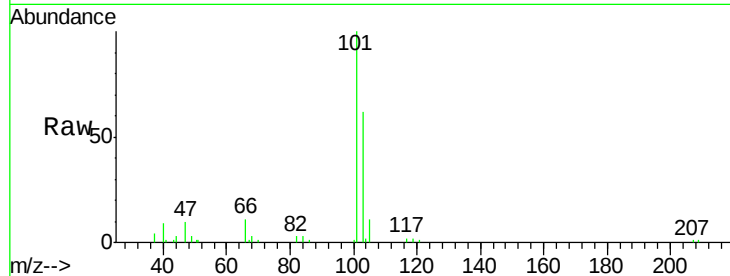
Trichlorofluoromethane
 Concen: 10.793 ug/l
 RT: 3.26 min Scan# 227
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		60841		
103	61.9	53.0	79.6		

Manual Integrations
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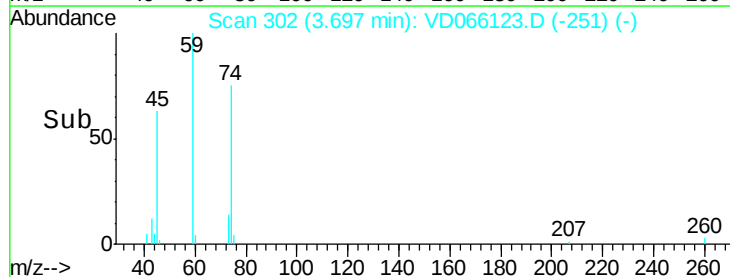
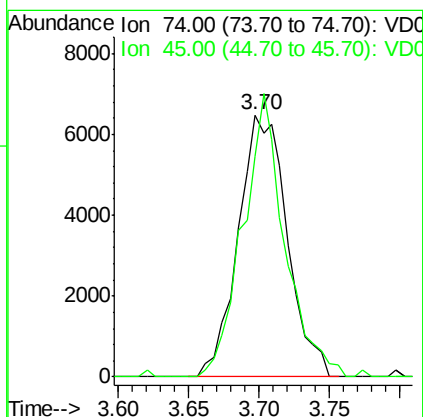
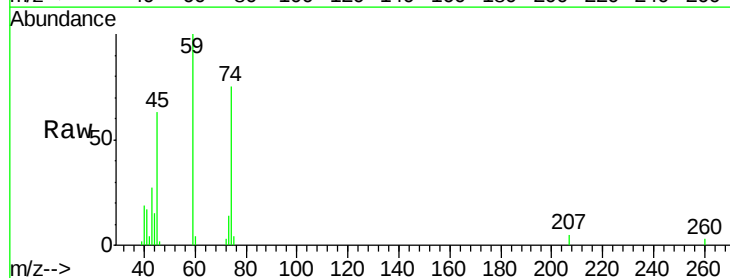
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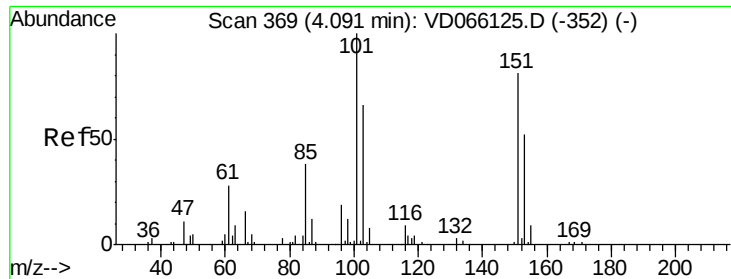


#8

Diethyl Ether
 Concen: 10.212 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		15710		
45	92.8	48.4	145.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.970 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

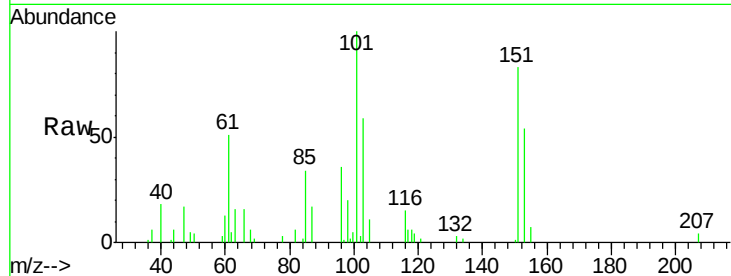
ClientSampleId :

VSTDIC010

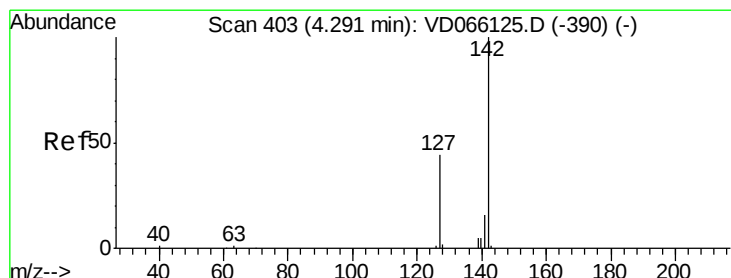
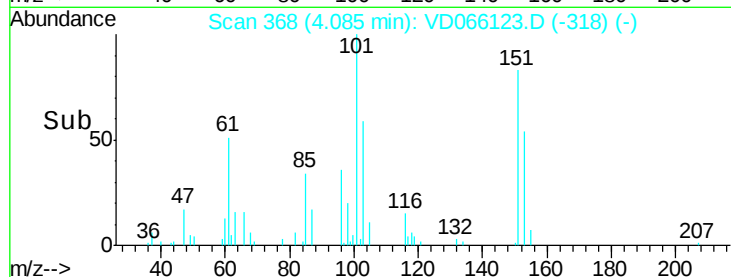
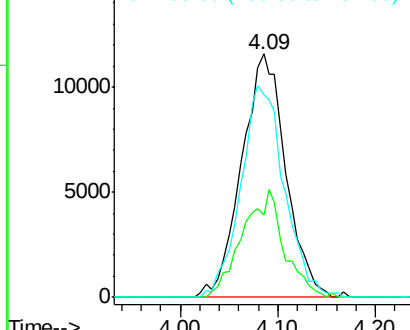
Tot Ion:	101	Resp:	36567
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.5	50.3
151	86.4	67.8	101.8

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



#10

Methyl Iodide

Concen: 9.424 ug/l

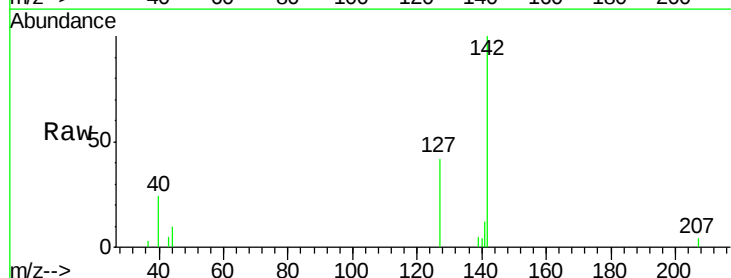
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

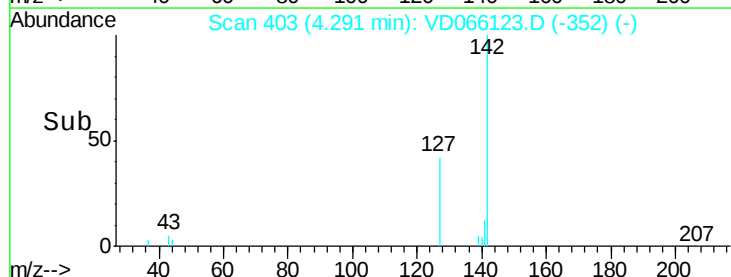
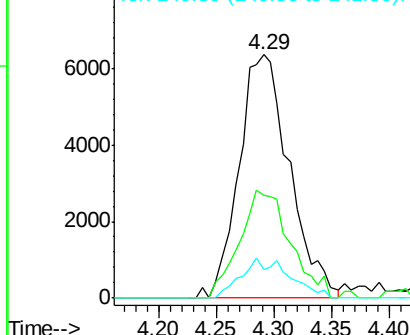
Lab File: VD066123.D

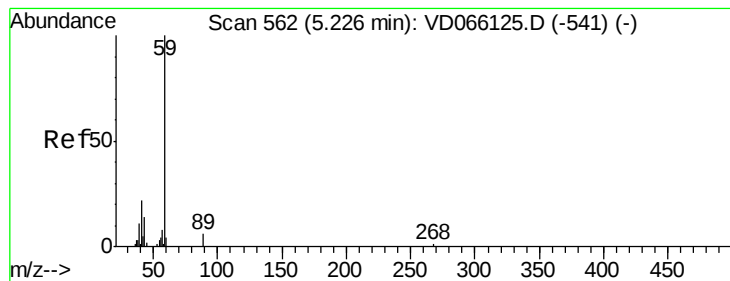
Acq: 05 Aug 2020 11:03

Tgt Ion:	142	Resp:	19289
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.2	54.4
141	15.8	12.6	18.8



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





#11

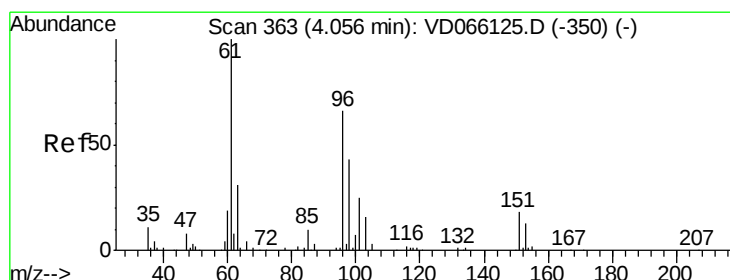
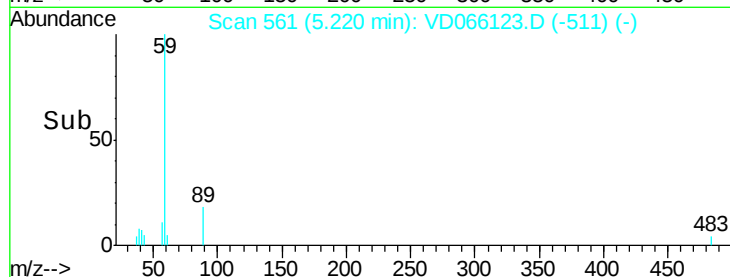
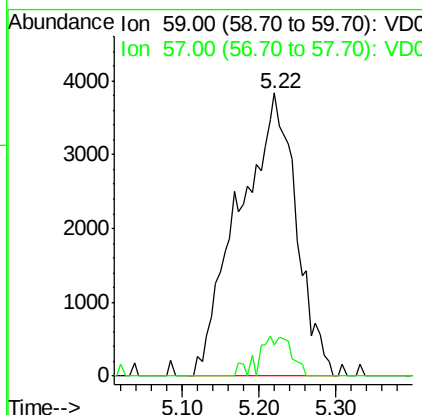
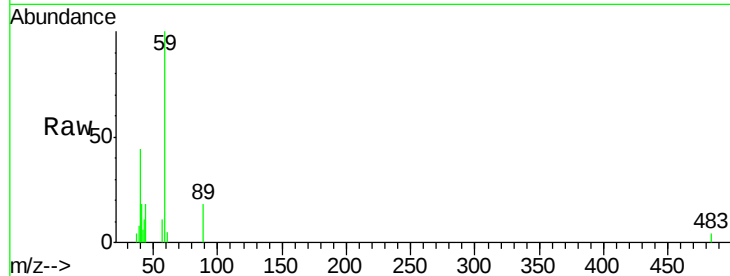
Tert butyl alcohol
 Concen: 53.724 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.7	7.0	10.4#

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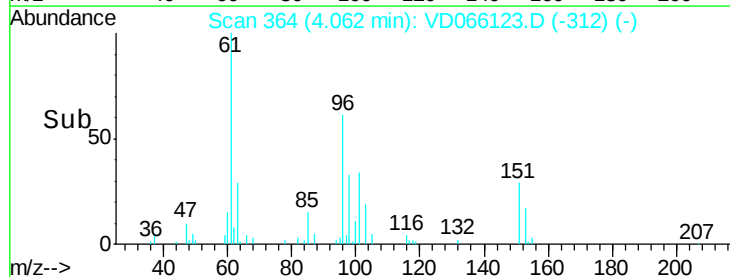
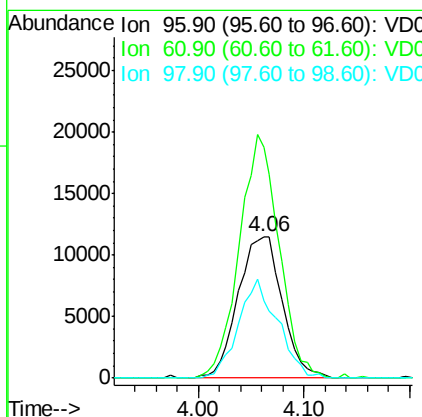
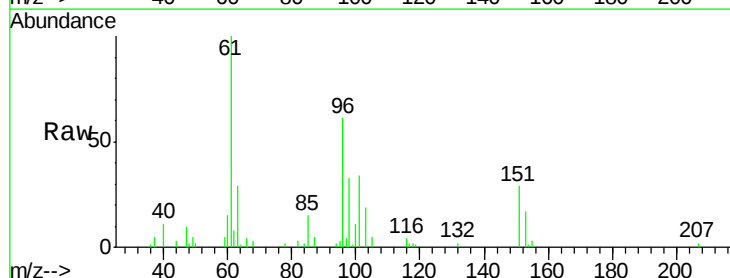
MMDadoda
 8/6/2020 1:54:14 PM

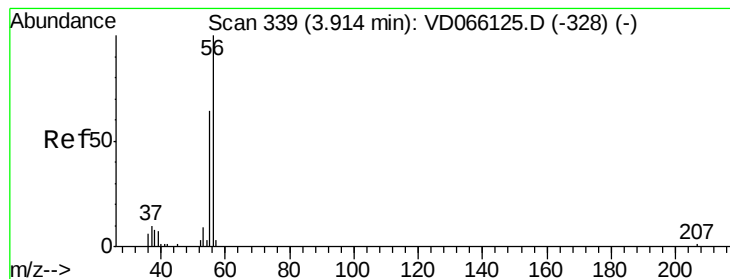


#12

1,1-Dichloroethene
 Concen: 10.687 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.0	121.6	182.4
98	54.1	52.0	78.0





#13

Acrolein

Concen: 53.274 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.02 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 13308

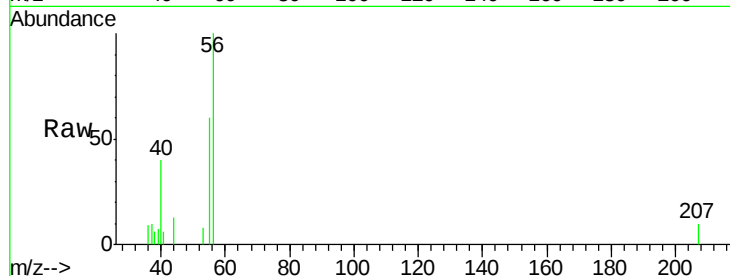
Ion Ratio Lower Upper

56 100

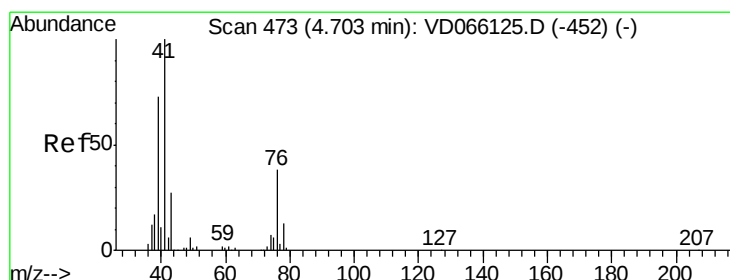
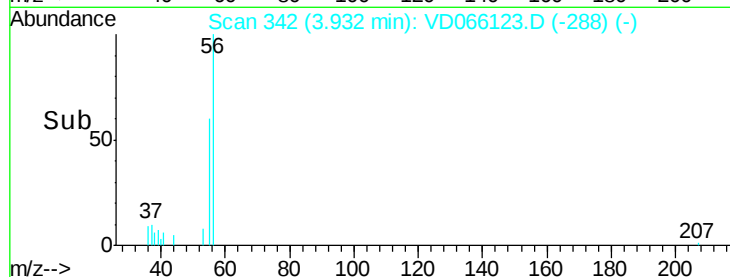
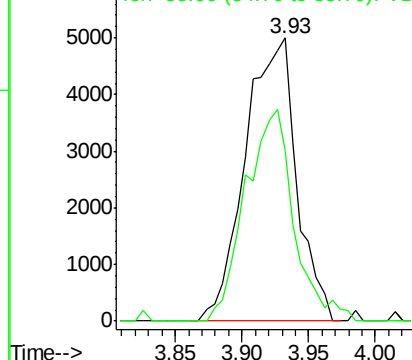
55 70.8 56.7 85.1

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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.376 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

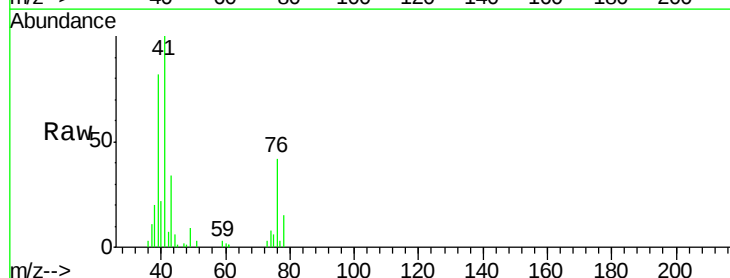
Tgt Ion: 41 Resp: 48722

Ion Ratio Lower Upper

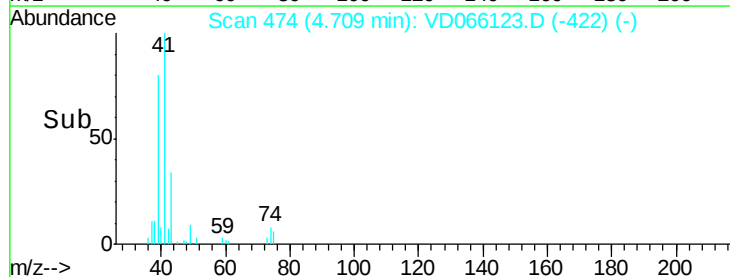
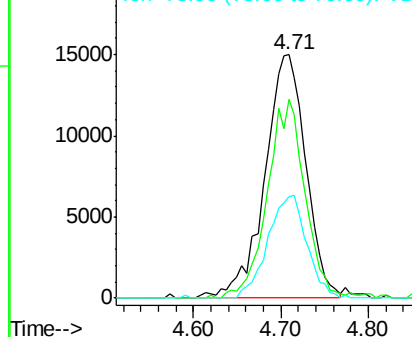
41 100

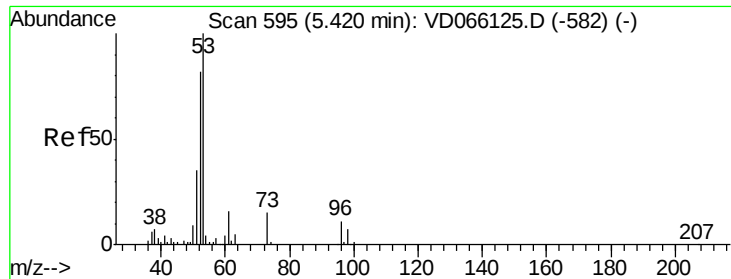
39 74.4 57.4 86.0

76 40.0 30.1 45.1



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 55.417 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

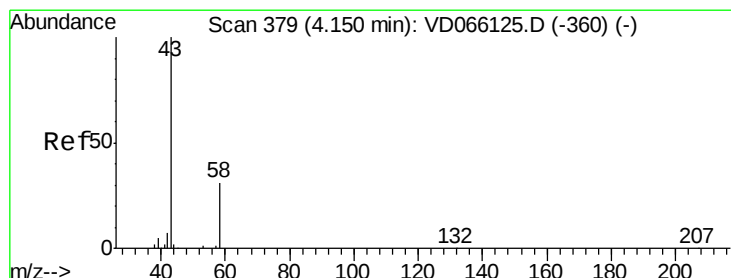
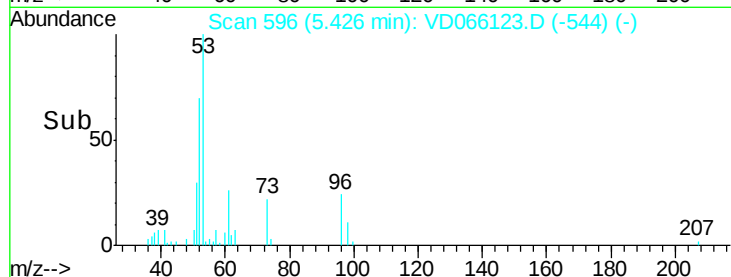
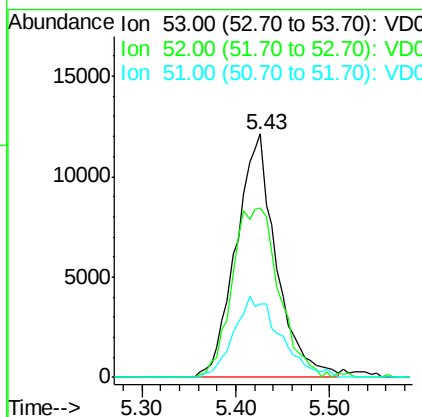
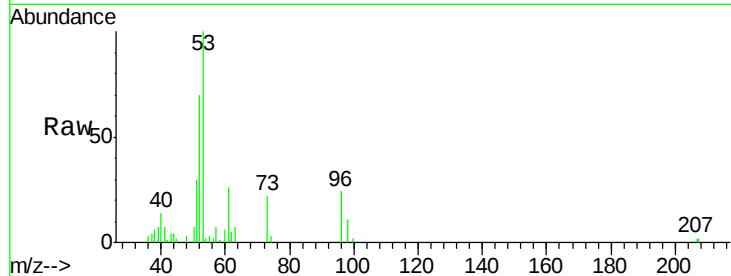
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	35846
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.1	99.1
51	38.3	30.8	46.2

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#16

Acetone

Concen: 53.816 ug/l

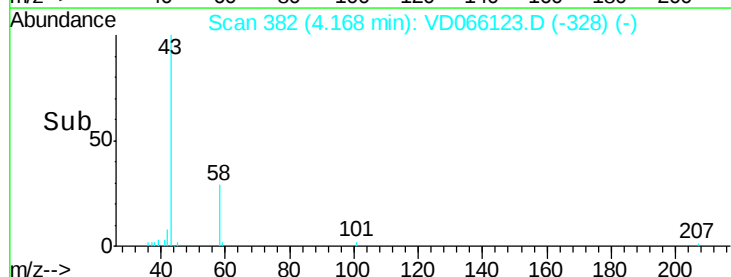
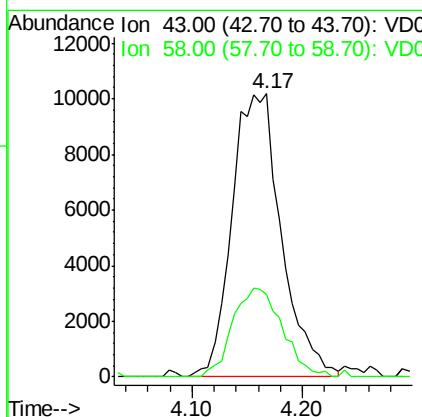
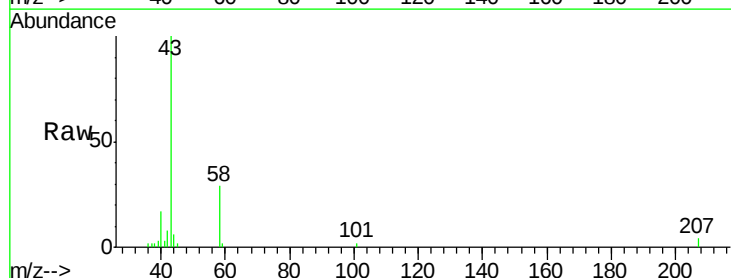
RT: 4.17 min Scan# 382

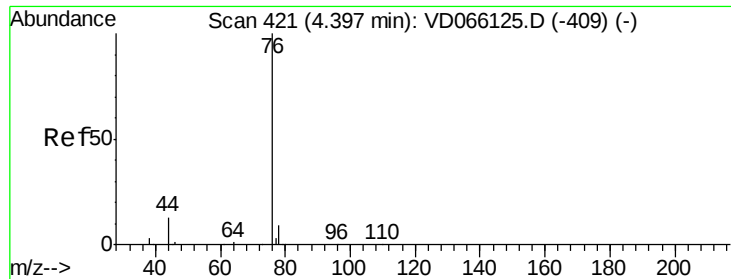
Delta R.T. 0.02 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Tgt Ion:	43	Resp:	31982
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.7	37.1





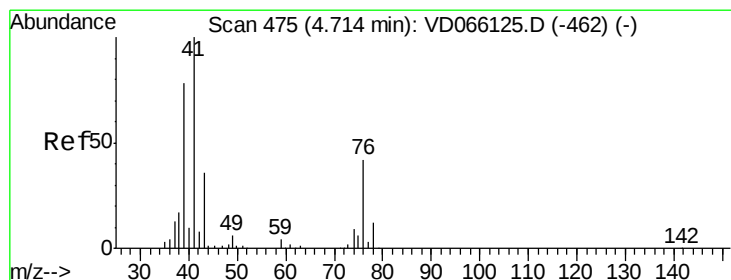
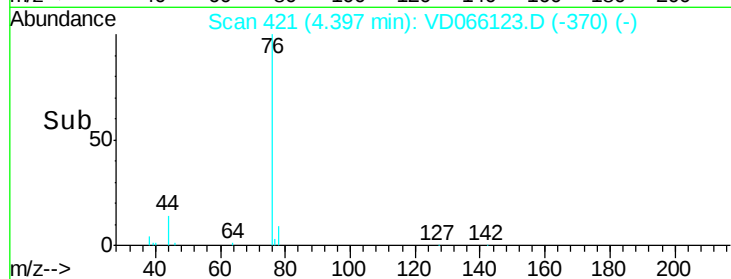
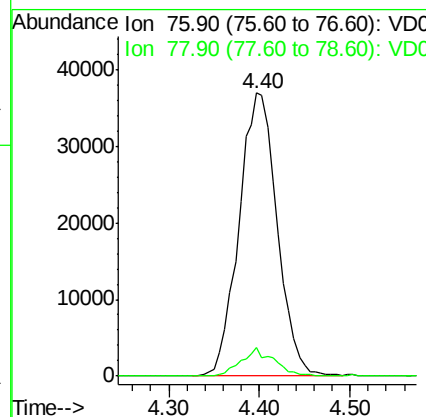
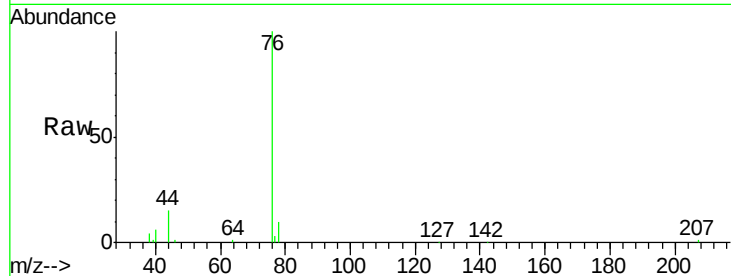
#17
Carbon Disulfide
Concen: 10.817 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.5	11.3

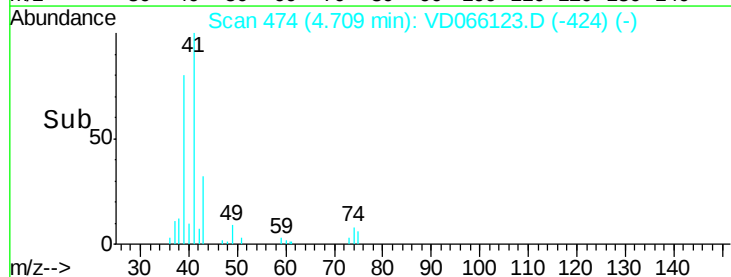
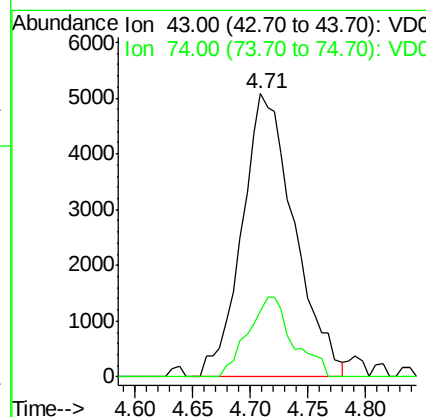
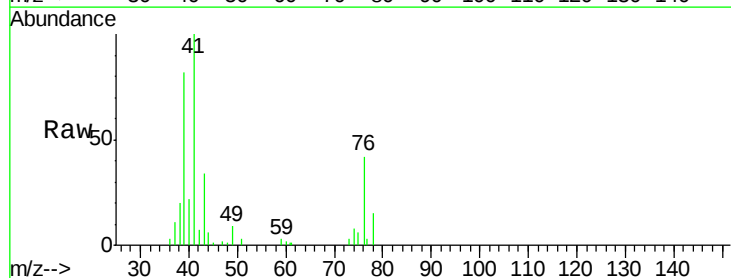
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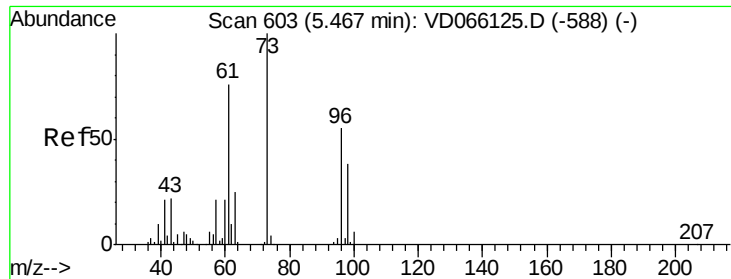
MMDadoda
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#18
Methyl Acetate
Concen: 10.519 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	21.2	31.8





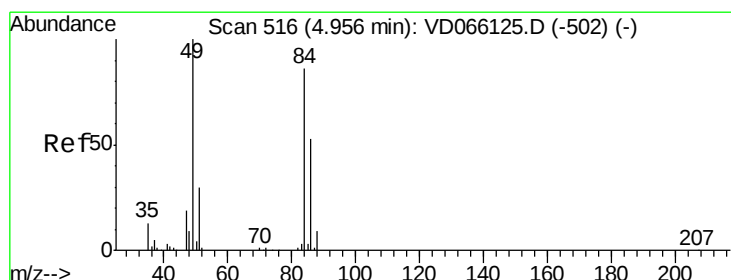
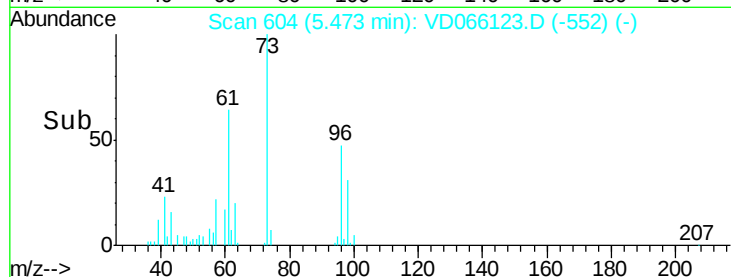
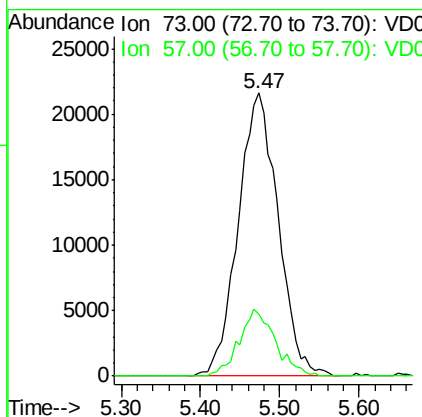
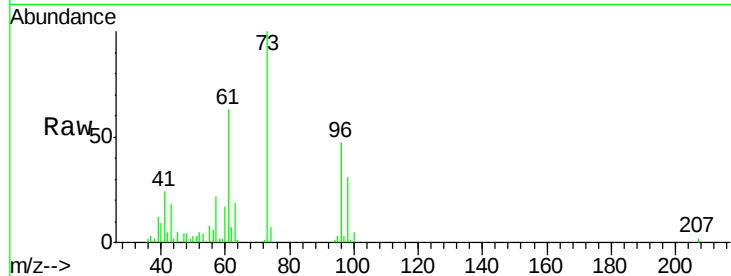
#19
Methyl tert-butyl Ether
Concen: 10.794 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.1	25.7

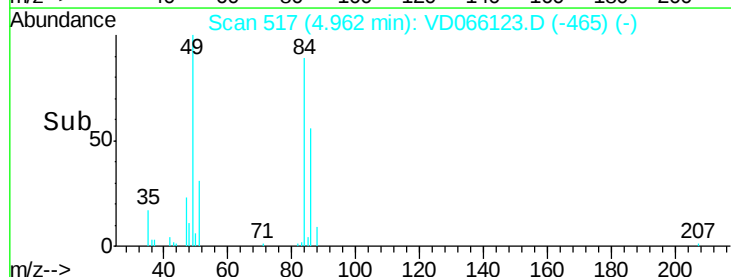
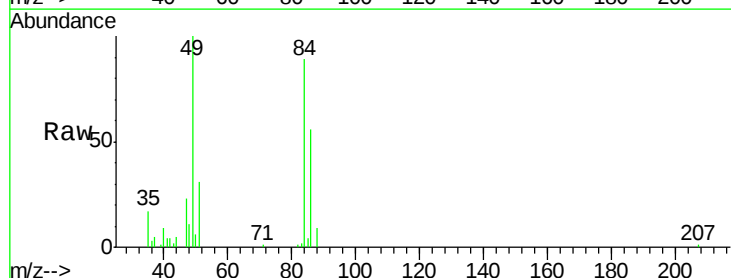
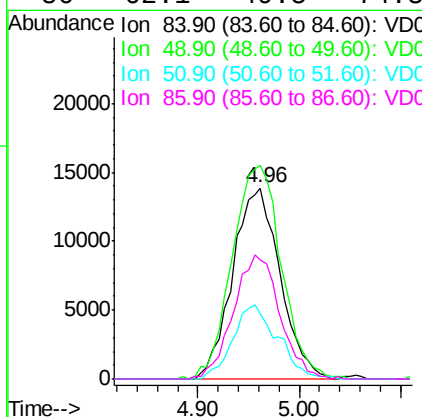
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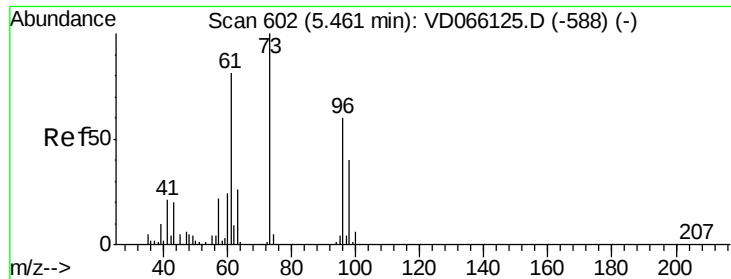
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#20
Methylene Chloride
Concen: 10.271 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.8	93.5	140.3
51	34.2	28.2	42.4
86	62.1	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 10.751 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

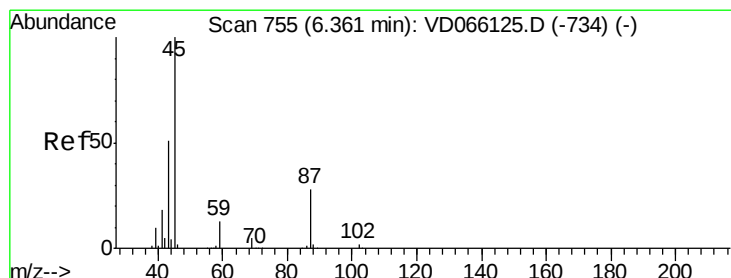
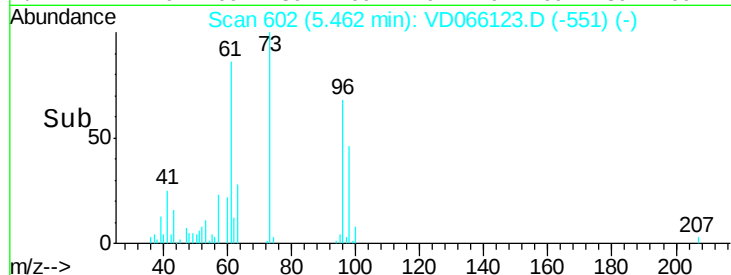
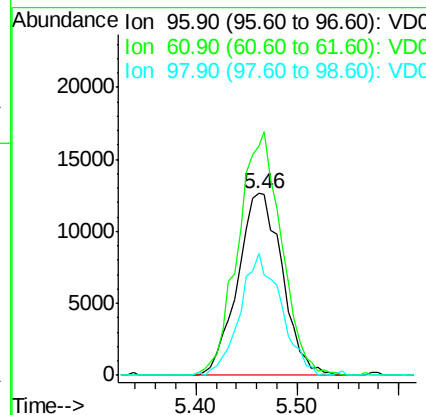
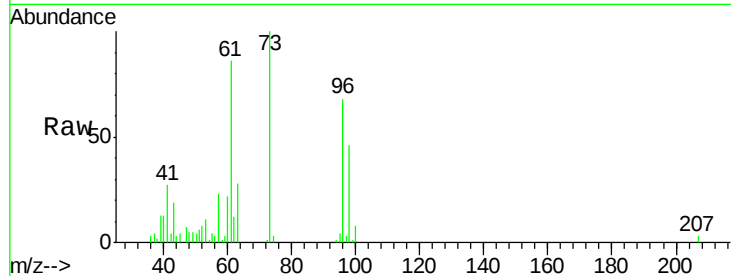
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	38718
Ion	Ratio	Lower	Upper
96	100		
61	126.1	106.9	160.3
98	66.9	53.4	80.0

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#22

Diisopropyl ether

Concen: 10.785 ug/l

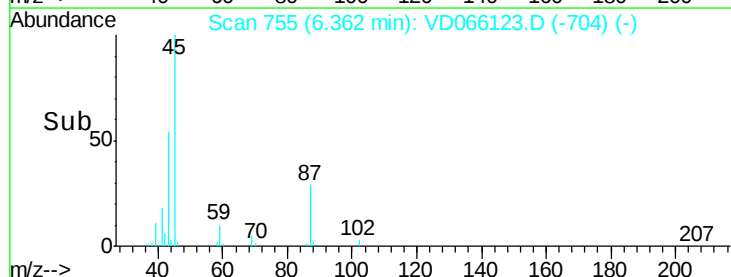
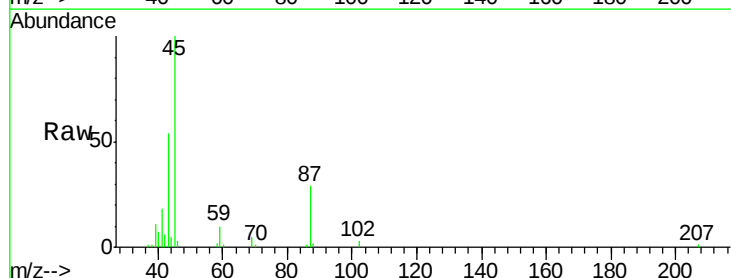
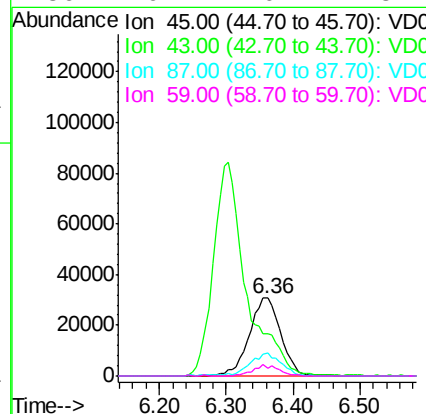
RT: 6.36 min Scan# 755

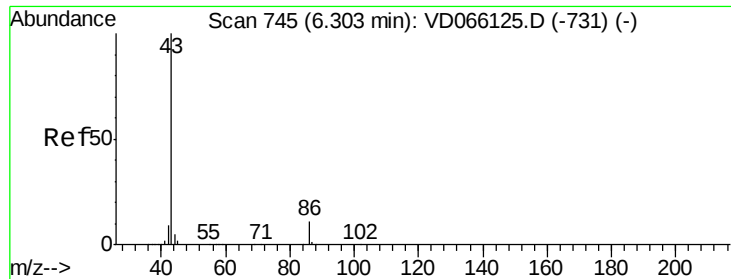
Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Tgt Ion:	45	Resp:	100088
Ion	Ratio	Lower	Upper
45	100		
43	53.6	41.2	61.8
87	29.0	22.8	34.2
59	10.4	10.2	15.2





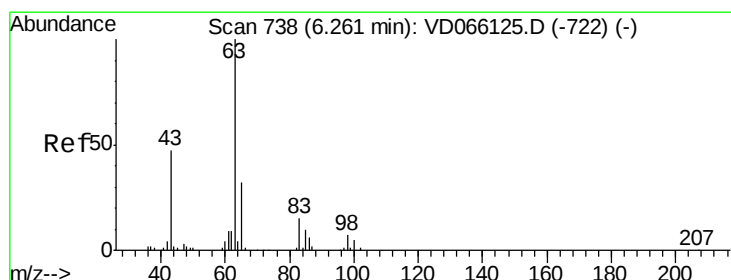
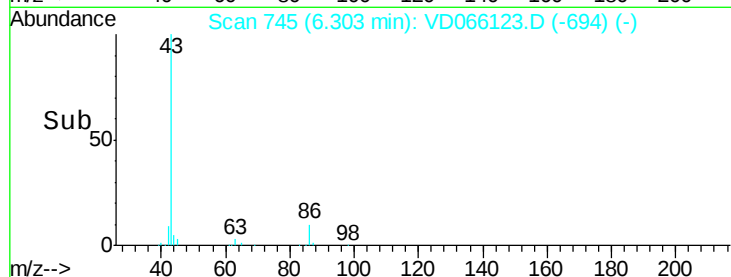
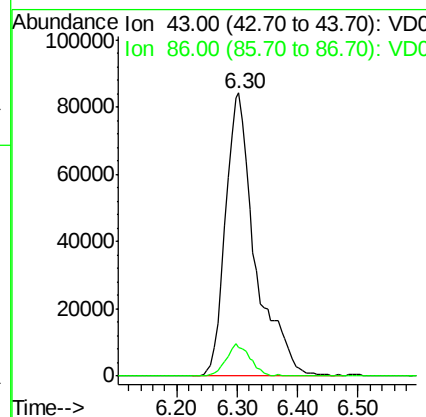
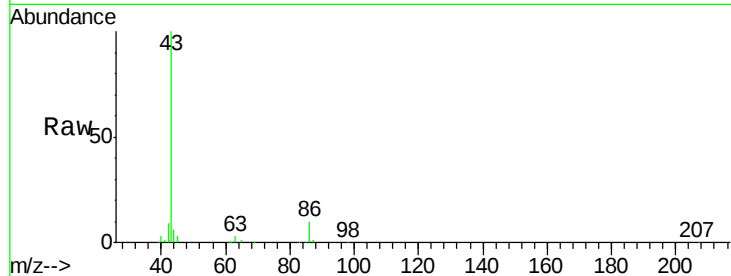
#23
 Vinyl Acetate
 Concen: 53.840 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
43	100	289150		
86	10.1		9.1	13.7

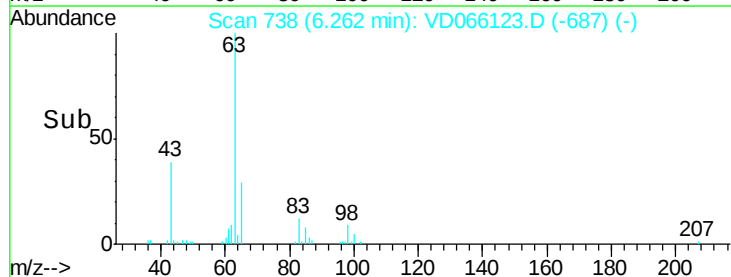
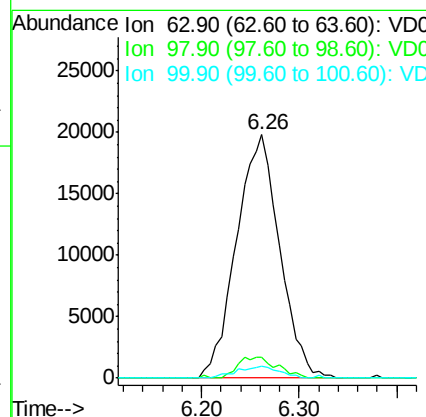
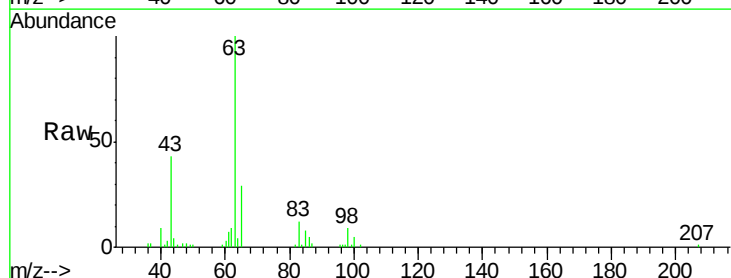
Manual Integrations
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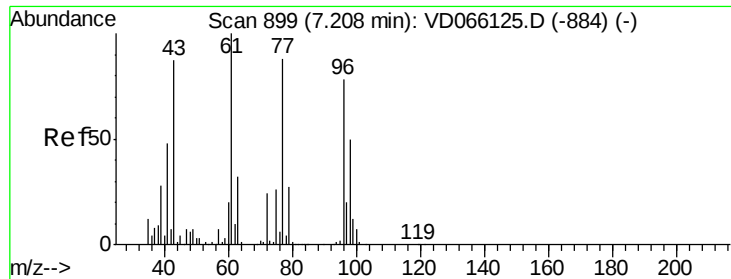
MMDadoda
 8/6/2020 1:54:14 PM



#24
 1,1-Dichloroethane
 Concen: 10.529 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	60959		
98	8.7		3.5	10.5
100	4.8		2.4	7.2





#25

2-Butanone

Concen: 53.496 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 47035

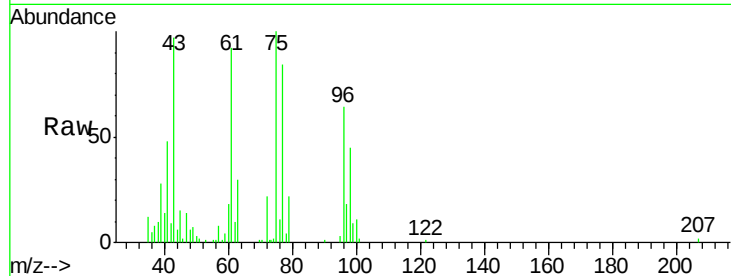
Ion Ratio Lower Upper

43 100

72 22.8 22.2 33.2

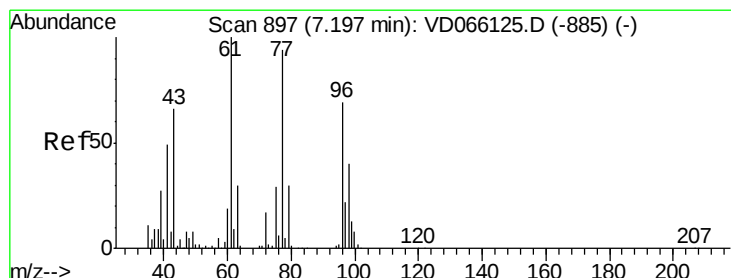
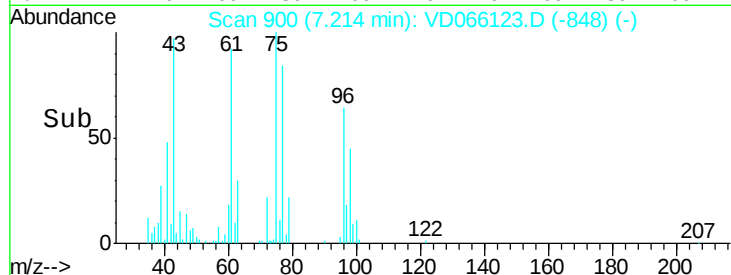
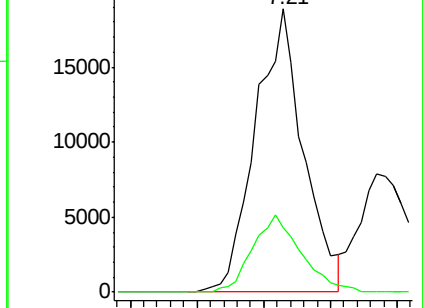
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.785 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066123.D

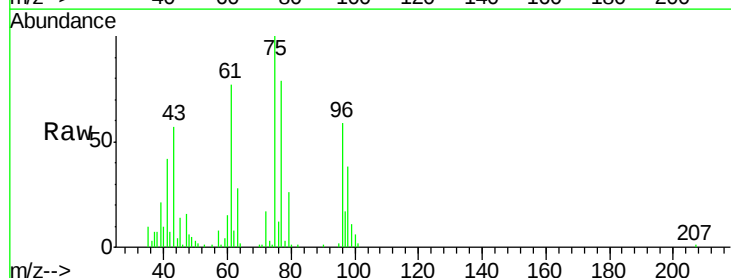
Acq: 05 Aug 2020 11:03

Tgt Ion: 77 Resp: 57161

Ion Ratio Lower Upper

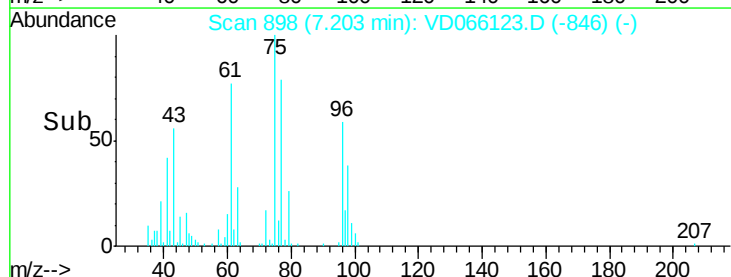
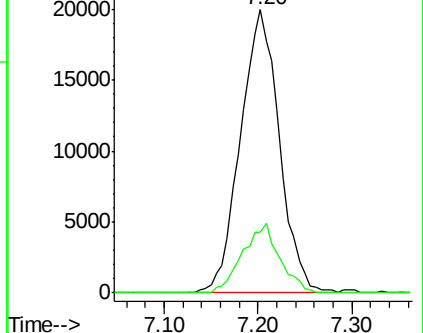
77 100

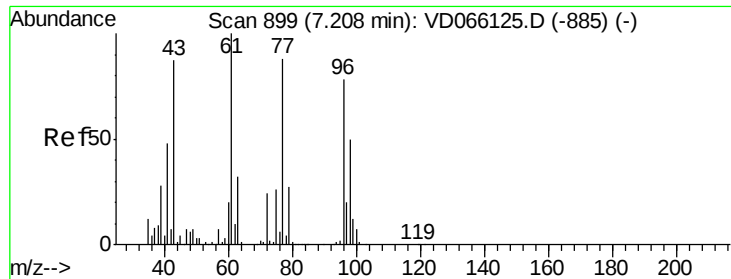
97 23.4 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

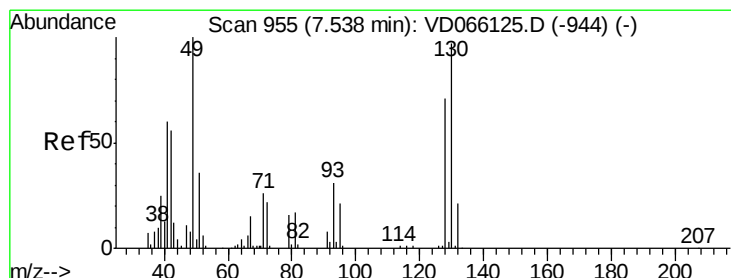
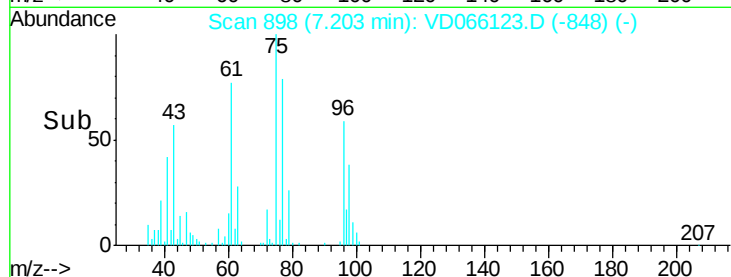
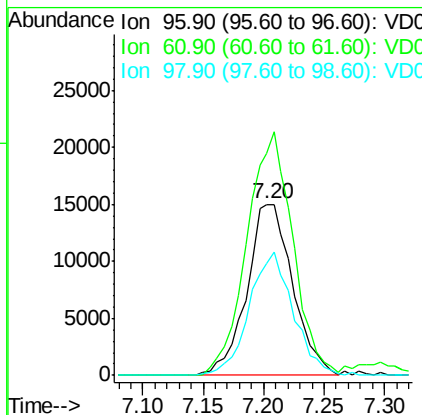
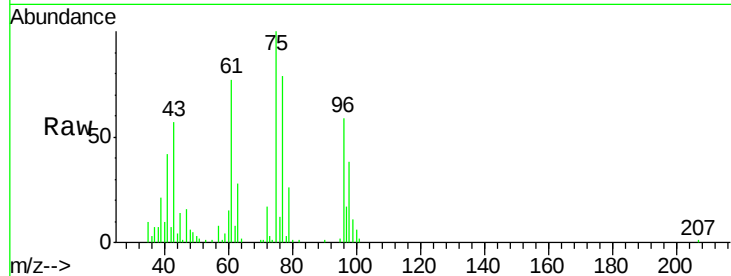
cis-1,2-Dichloroethene
Concen: 10.631 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	39619		
61	142.7		0.0	281.6
98	68.9		0.0	130.8

Manual Integrations
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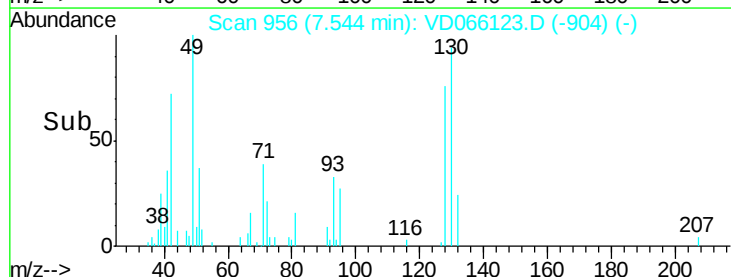
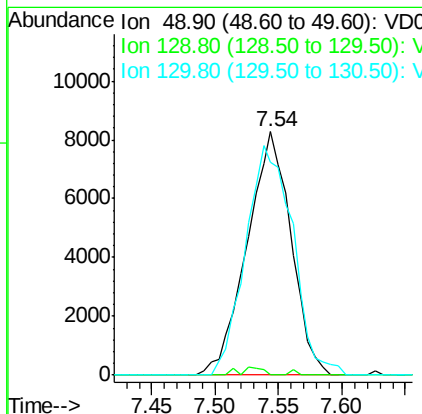
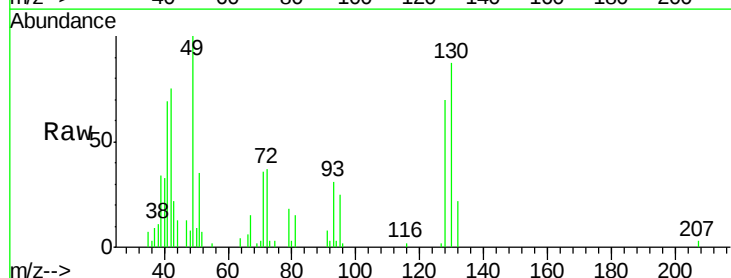
MMDadoda
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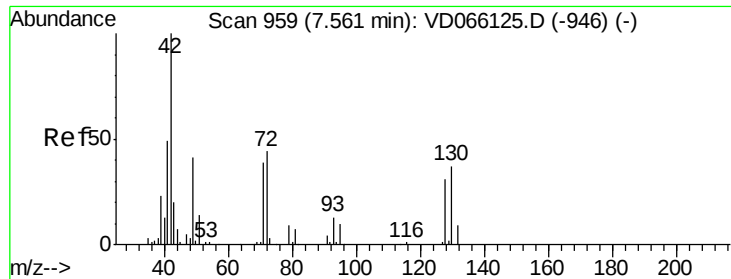


#28

Bromochloromethane
Concen: 9.862 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19955		
129	1.6		0.0	6.0
130	101.1		73.8	110.6





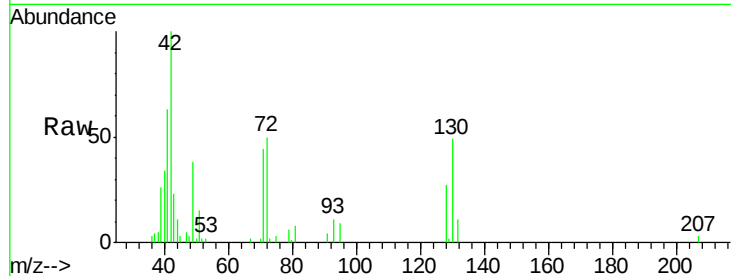
#29
Tetrahydrofuran
Concen: 52.480 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

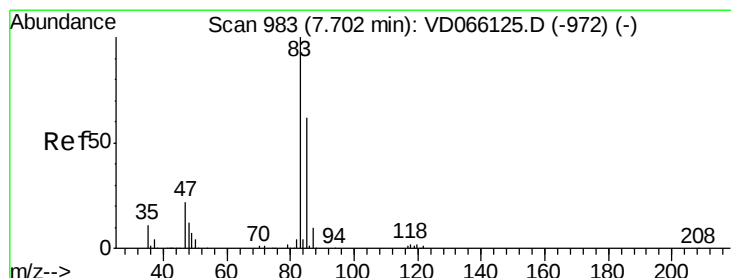
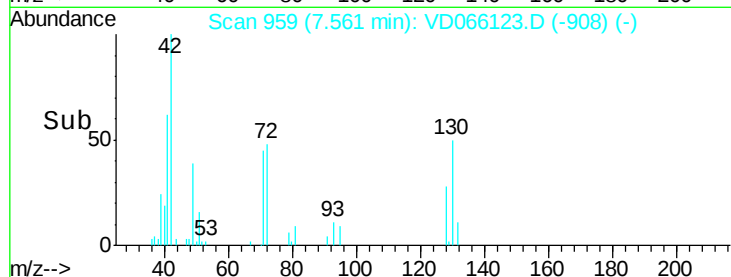
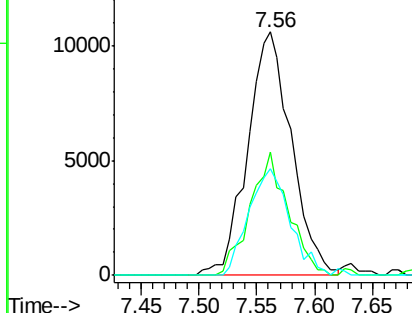
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.8	52.2
71	41.3	33.5	50.3

Manual Integrations
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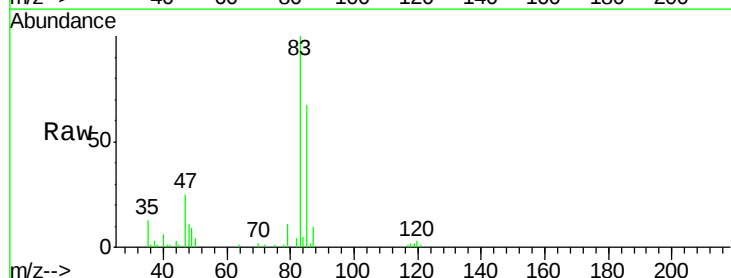


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

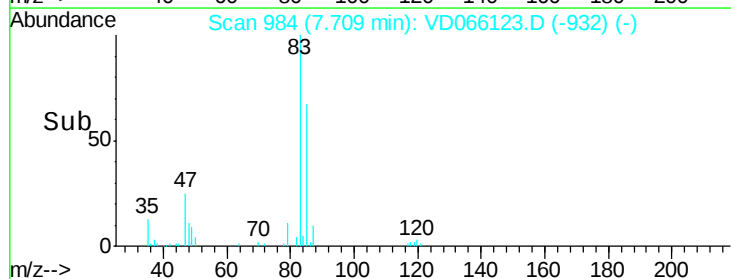
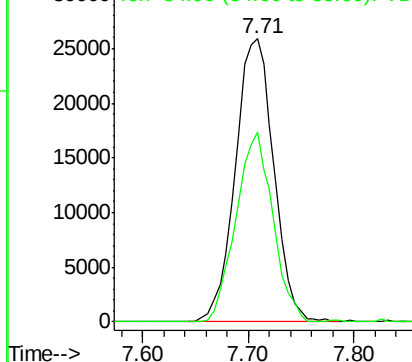


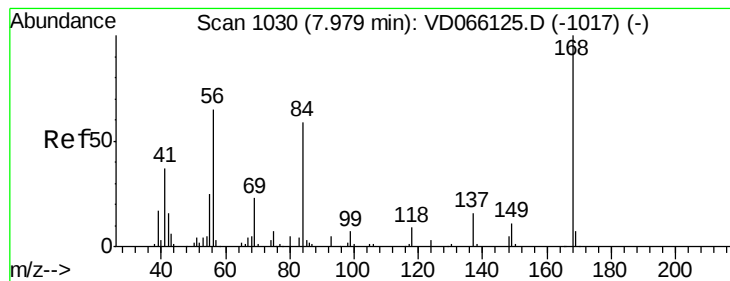
#30
Chloroform
Concen: 10.705 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	49.5	74.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 10.933 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

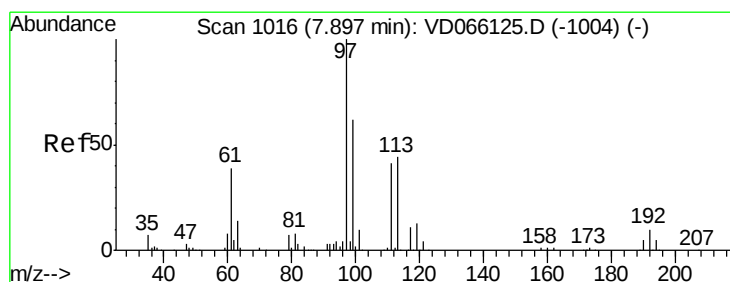
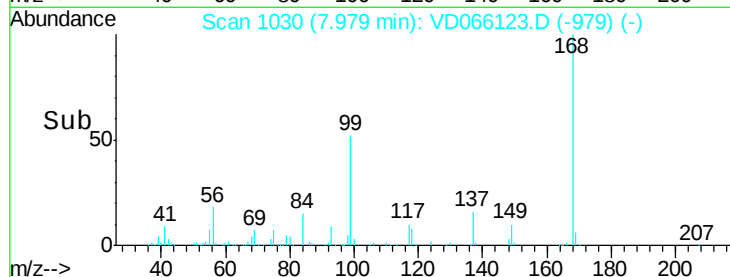
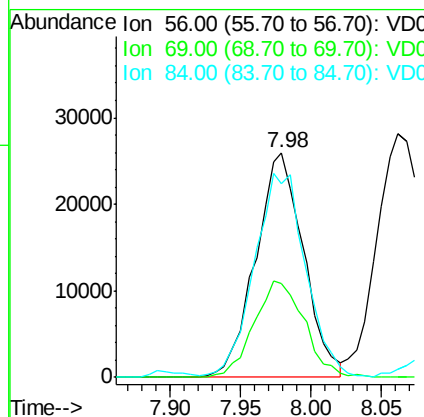
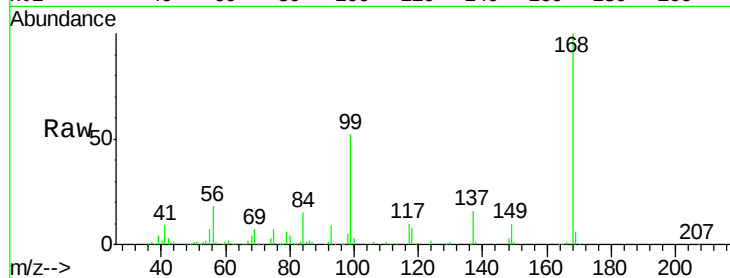
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	61717
Ion	Ratio	Lower	Upper
56	100		
69	41.8	28.8	43.2
84	85.3	73.0	109.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 10.624 ug/l

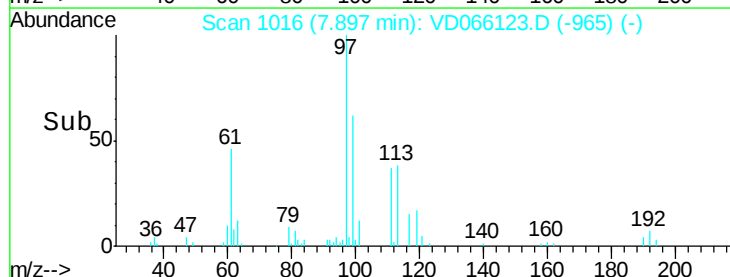
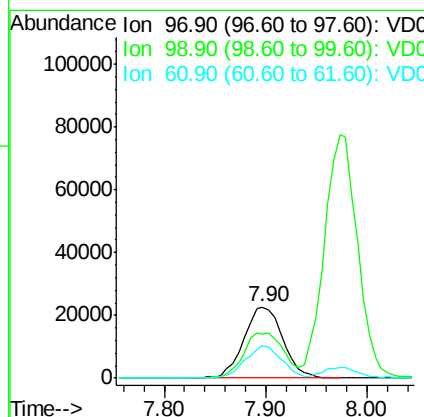
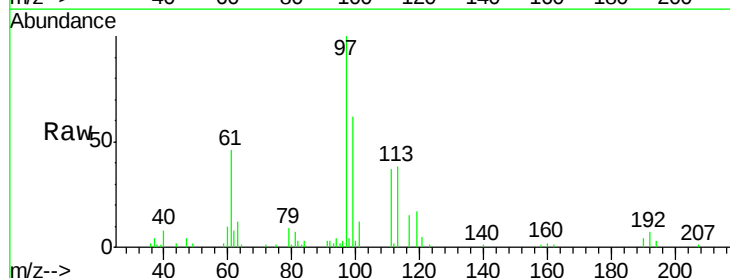
RT: 7.90 min Scan# 1016

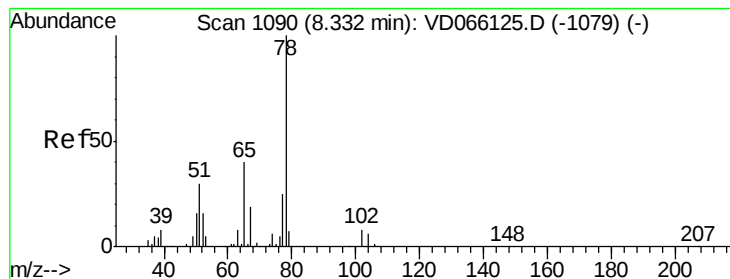
Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Tgt Ion:	97	Resp:	60572
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.1	76.7
61	42.4	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 9.896 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 30584

Ion Ratio Lower Upper

65 100

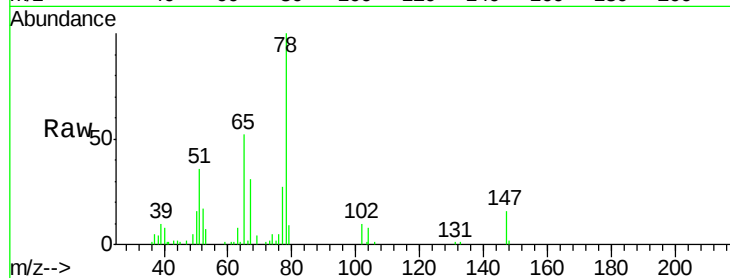
67 55.9 0.0 104.6

Manual Integrations

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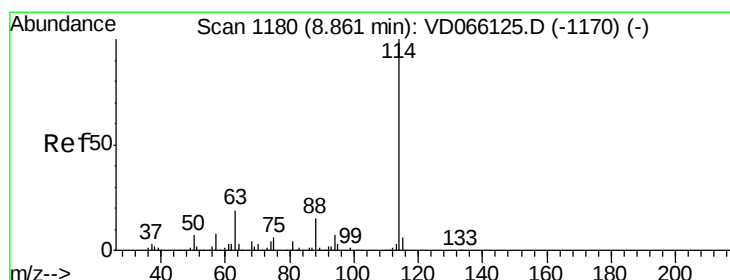
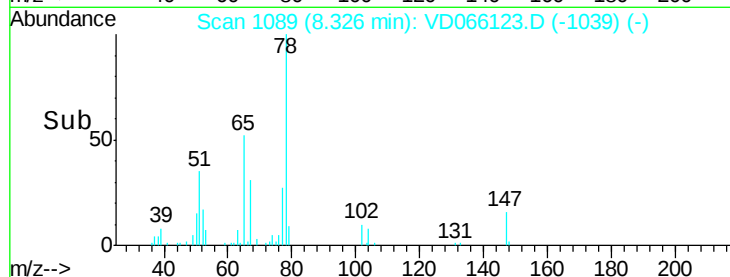
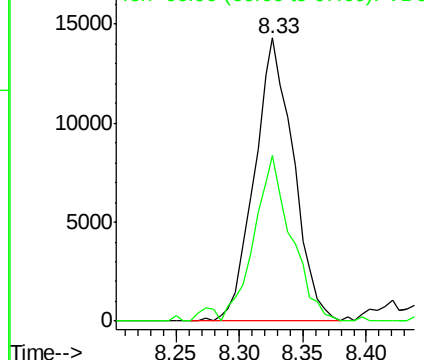
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

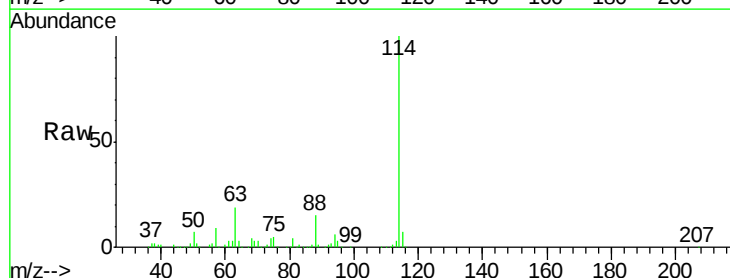
Tgt Ion: 114 Resp: 497798

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

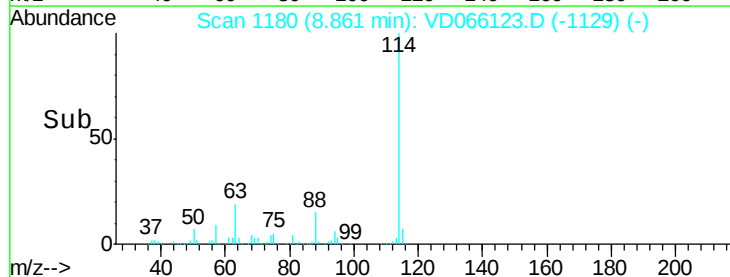
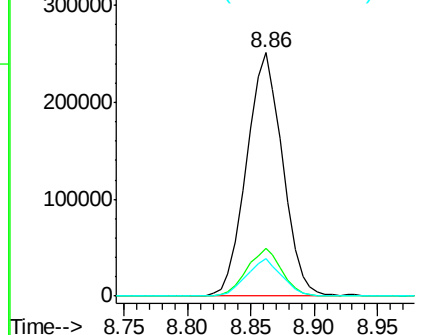
88 15.5 0.0 30.0

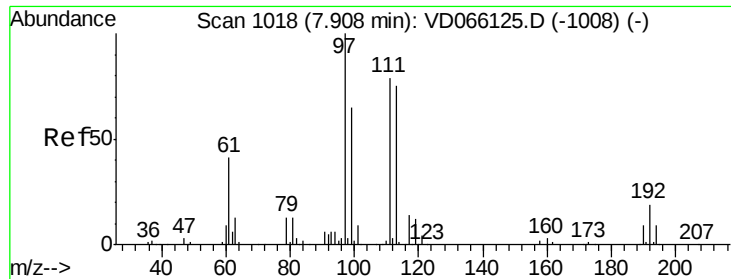


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





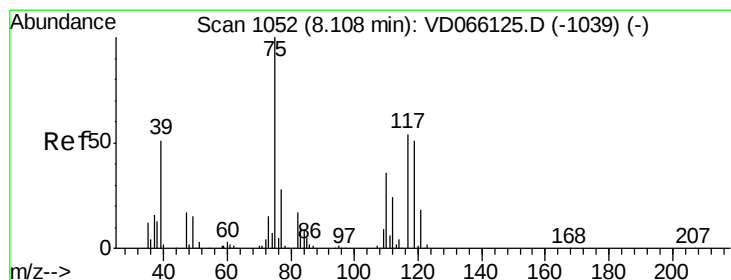
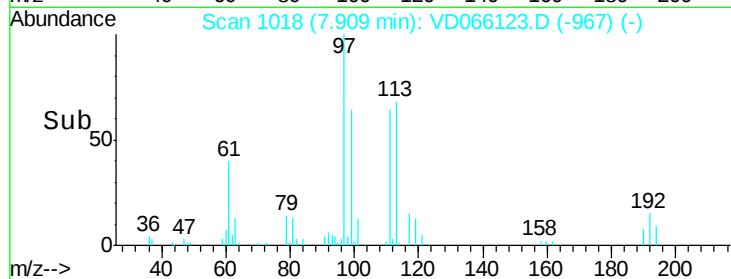
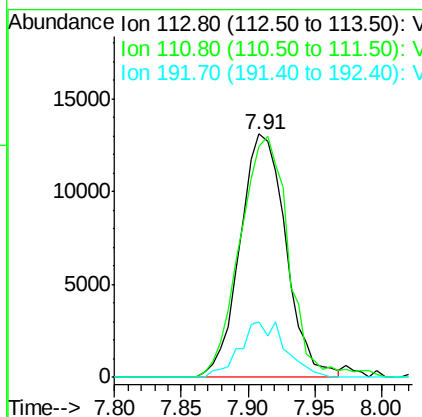
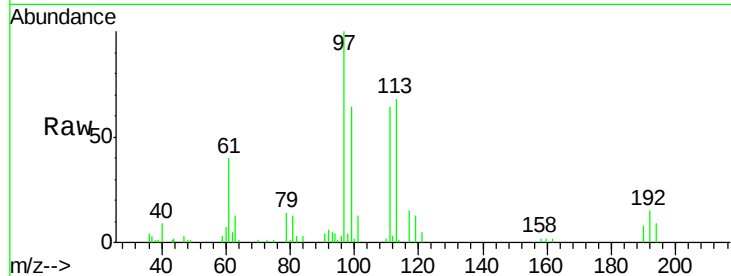
#35
 Dibromofluoromethane
 Concen: 9.831 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	31288		
111	104.9		80.7	121.1
192	22.6		18.4	27.6

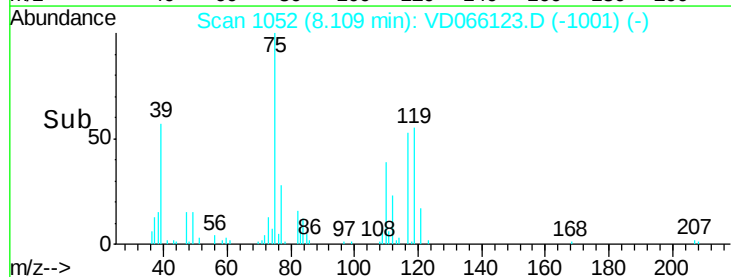
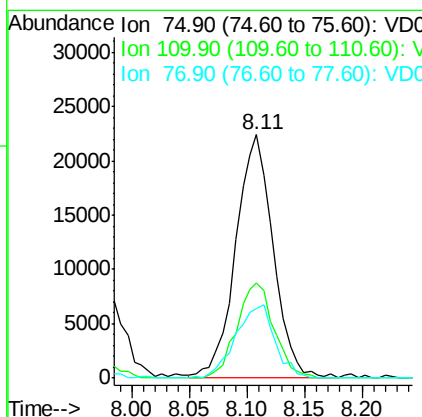
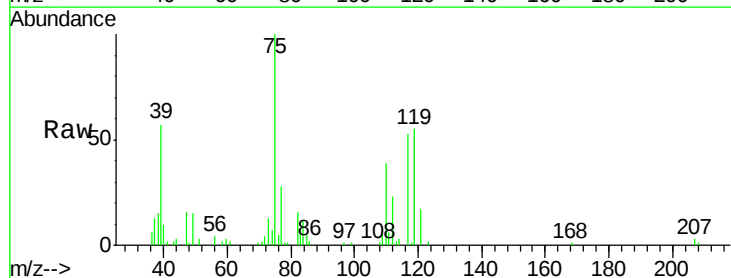
Manual Integrations
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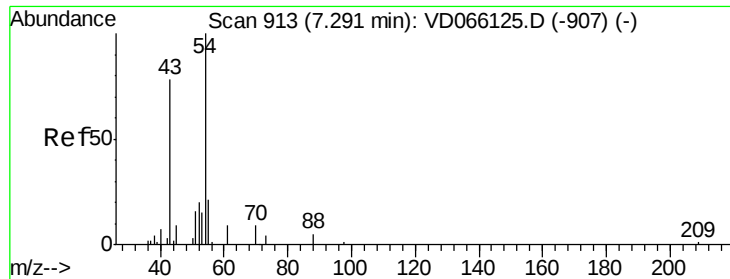
MMDadoda
 8/6/2020 1:54:14 PM



#36
 1,1-Dichloropropene
 Concen: 10.513 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50514		
110	38.7		18.8	56.3
77	31.4		24.2	36.2





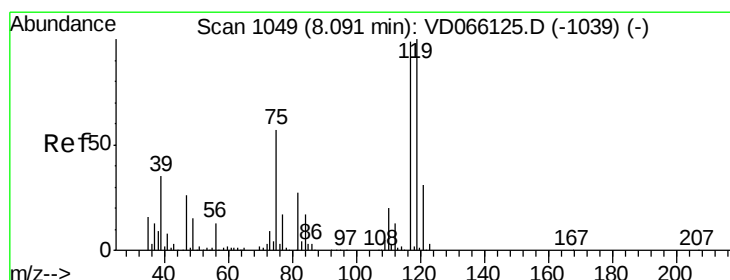
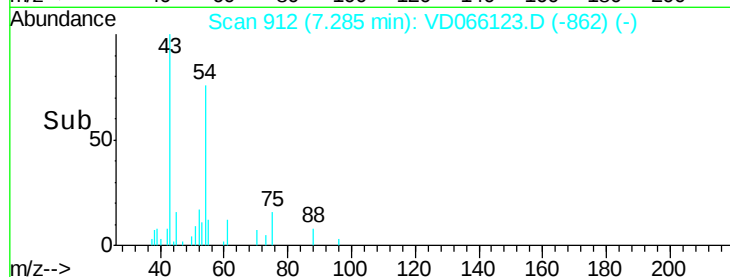
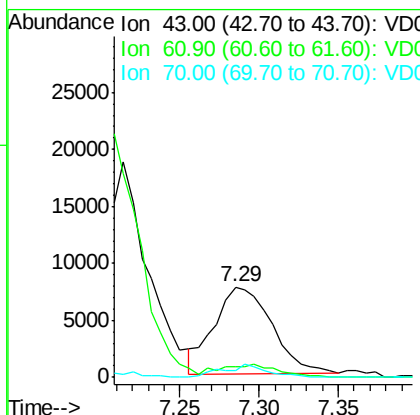
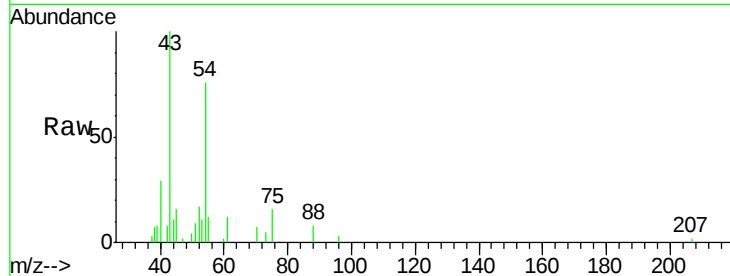
#37
Ethyl Acetate
Concen: 10.341 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.0	18.0
70	11.7	9.7	14.5

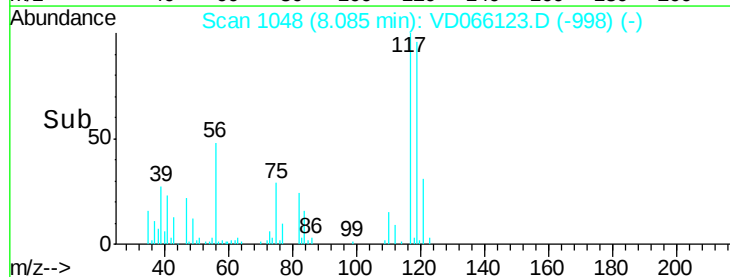
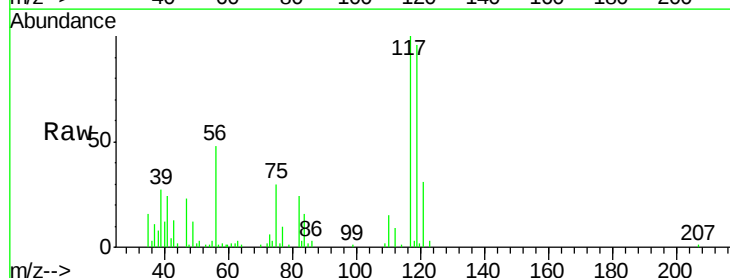
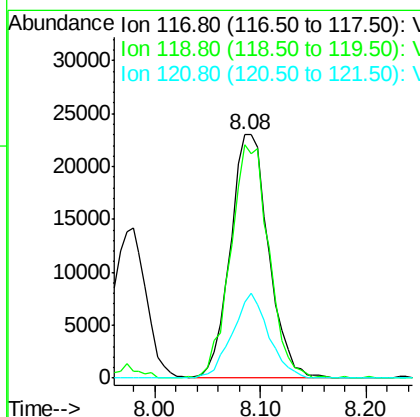
Manual Integrations
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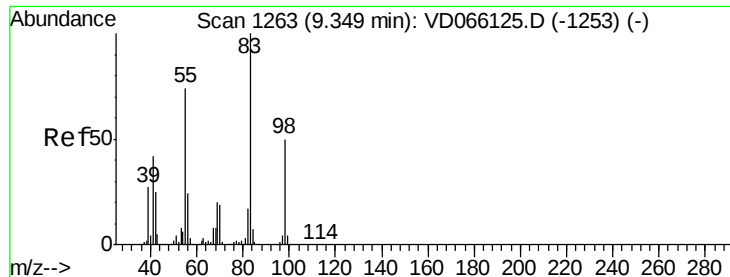
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#38
Carbon Tetrachloride
Concen: 10.814 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	81.0	121.4
121	31.1	24.8	37.2





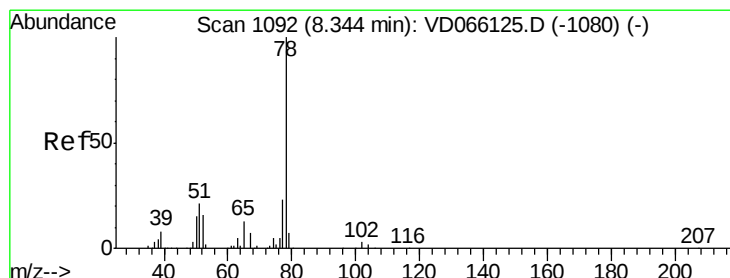
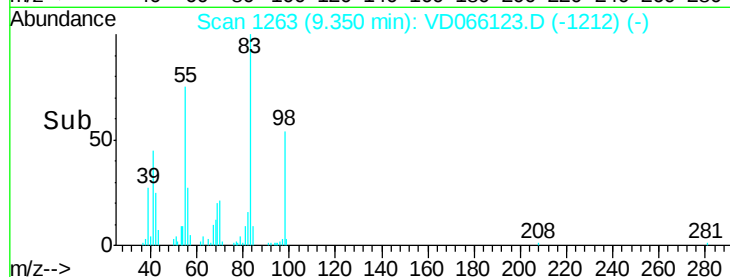
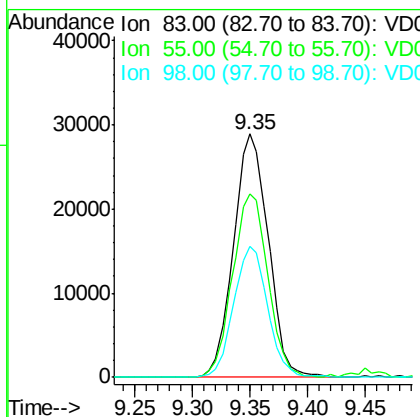
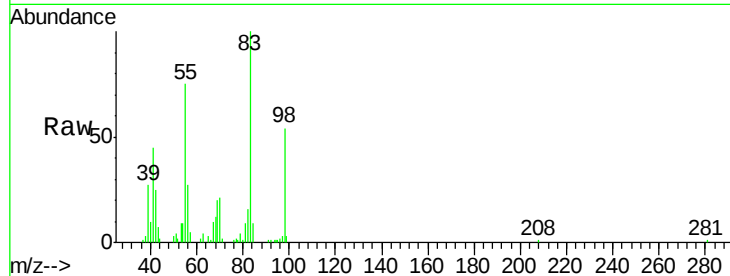
#39
Methvlcvclohexane
Concen: 10.615 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	59.2	88.8
98	54.0	39.8	59.6

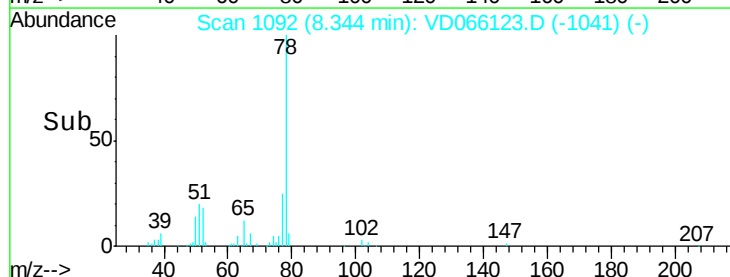
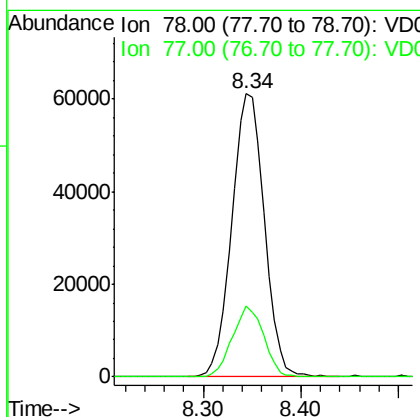
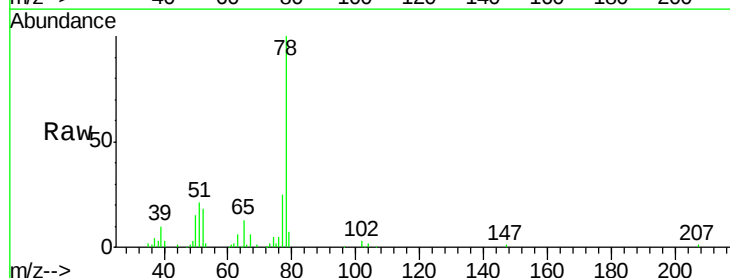
Manual Integrations
APPROVED

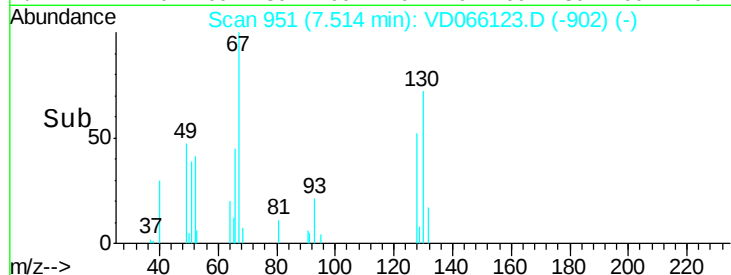
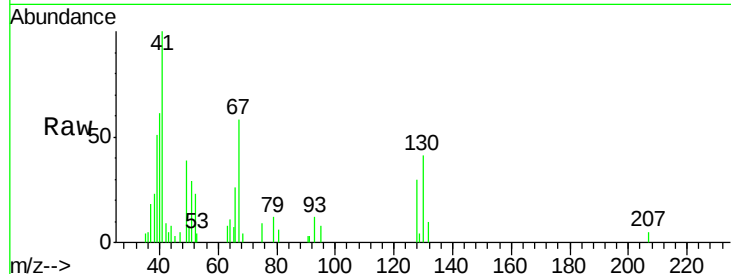
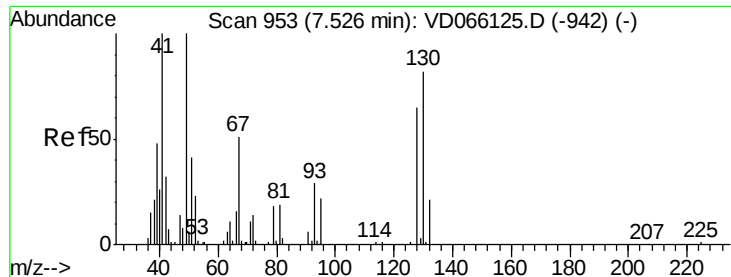
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#40
Benzene
Concen: 10.646 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.6	27.8





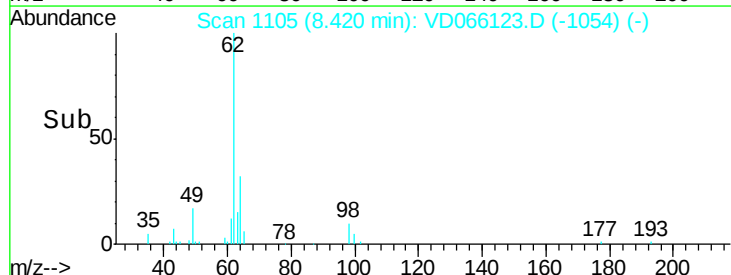
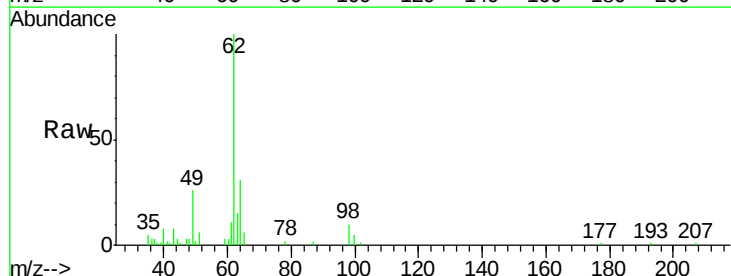
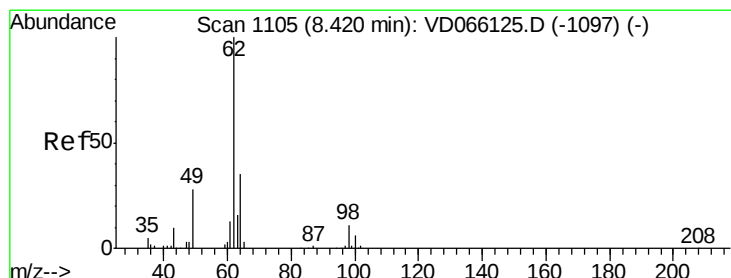
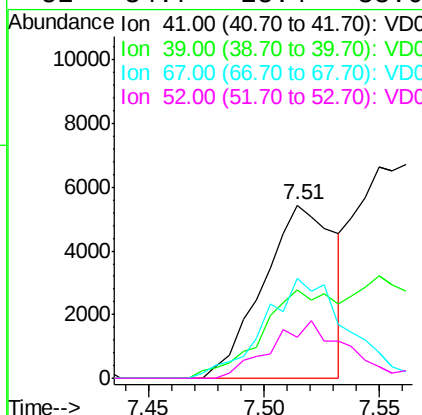
#41
Methacrylonitrile
Concen: 10.994 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		11681		
39	52.6	47.5	71.3		
67	66.4	59.1	88.7		
52	34.7	25.4	38.0		

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

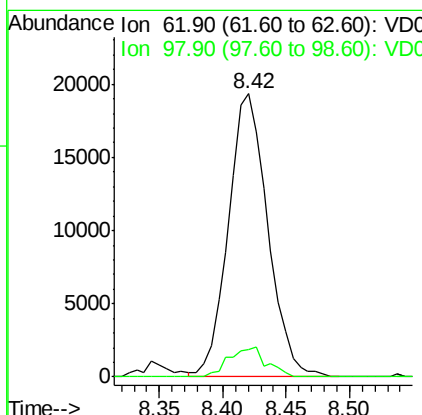
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 10.724 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		41760		
98	9.8	0.0	20.4		





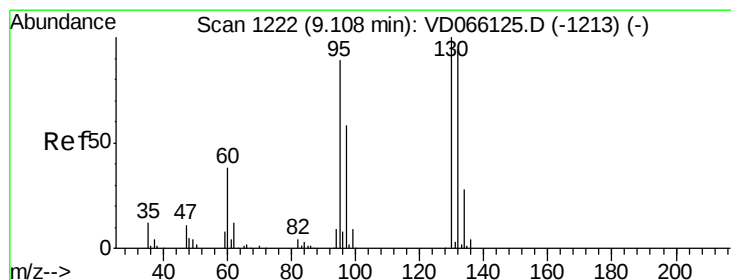
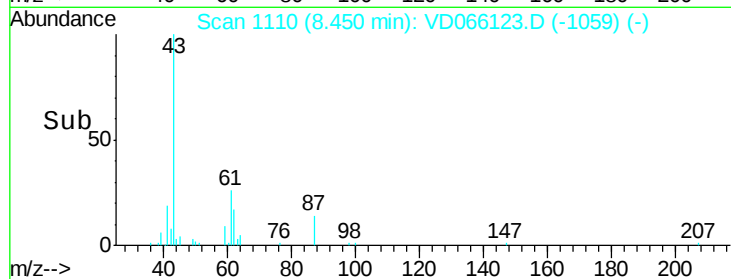
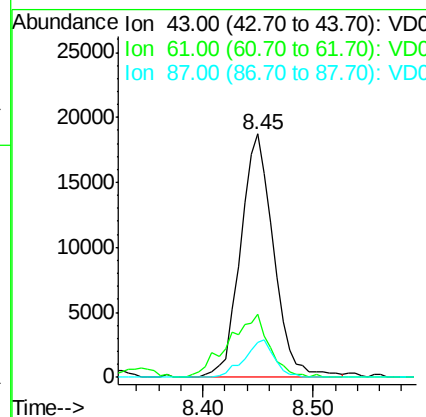
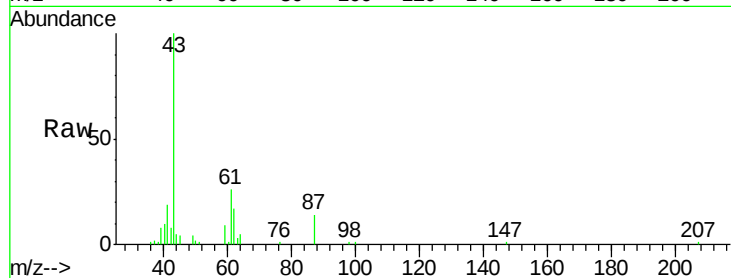
#43
Isopropyl Acetate
Concen: 10.836 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:	43	Resp:	39481
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.5	38.3
87	14.0	11.2	16.8

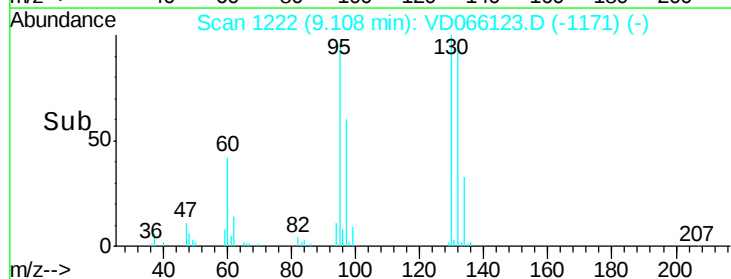
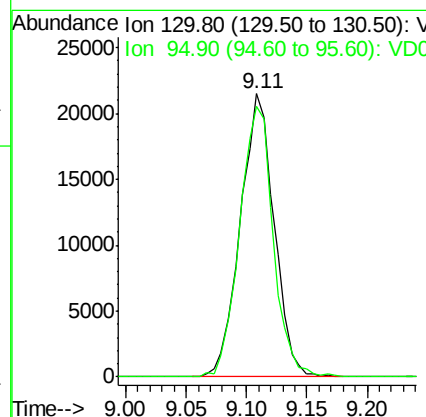
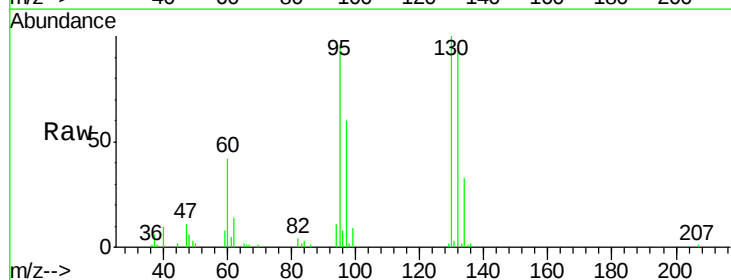
Manual Integrations
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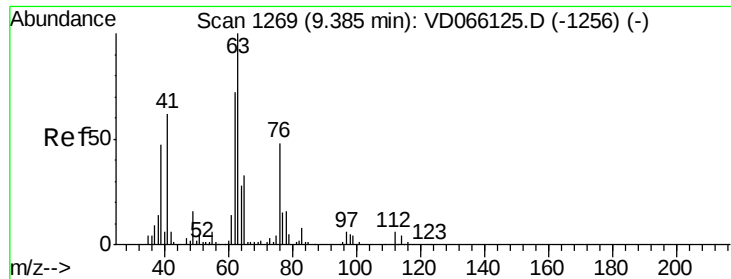
MMDadoda
8/6/2020 1:54:14 PM



#44
Trichloroethene
Concen: 10.534 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion:	130	Resp:	41972
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	178.4





#45

1,2-Dichloropropane

Concen: 10.707 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 34559

Ion Ratio Lower Upper

63 100

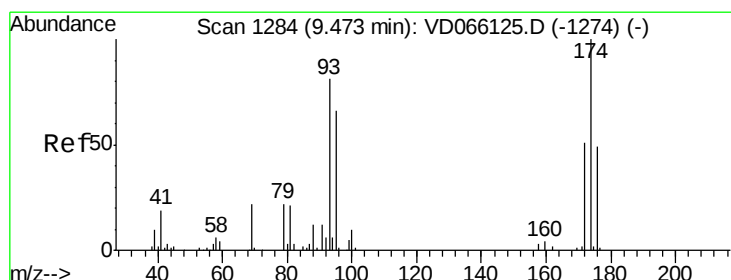
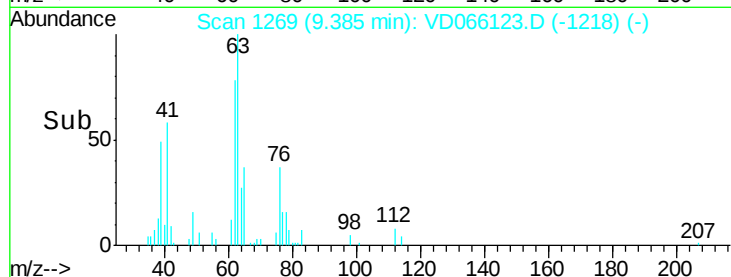
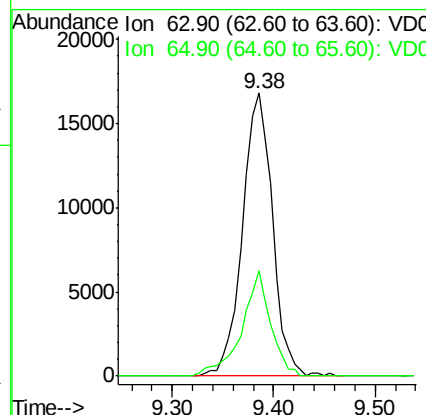
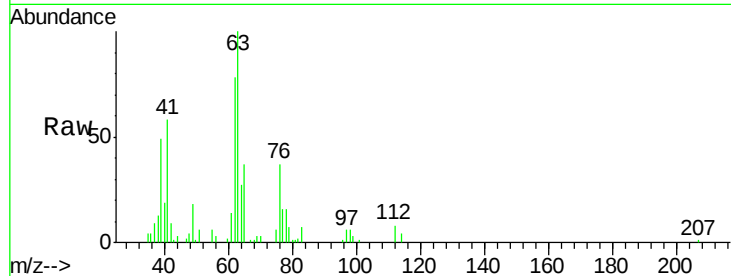
65 37.4 26.5 39.7

Manual Integrations

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#46

Dibromomethane

Concen: 11.122 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

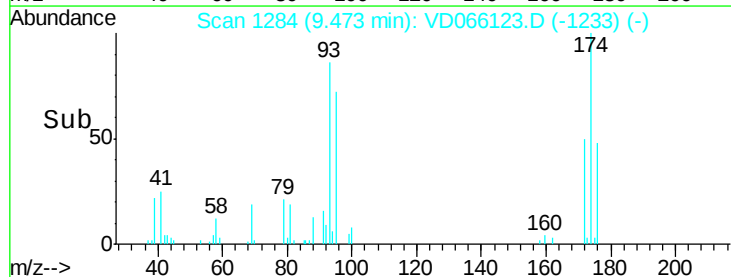
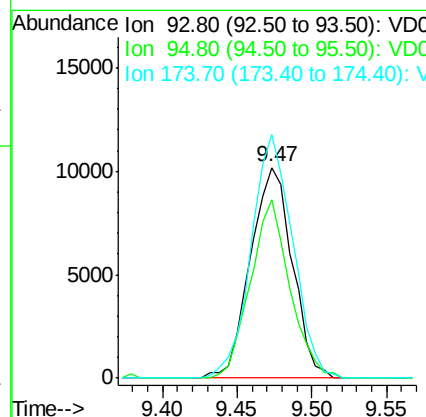
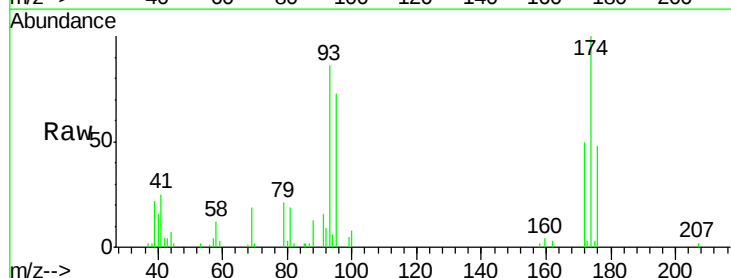
Tgt Ion: 93 Resp: 19738

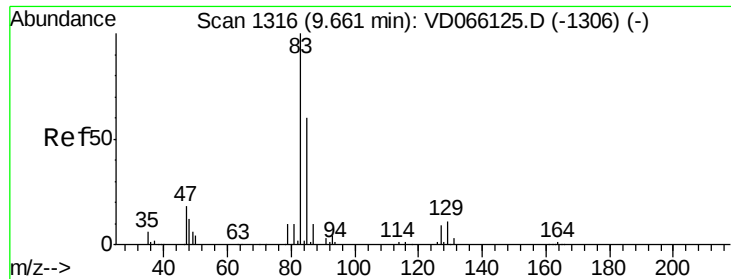
Ion Ratio Lower Upper

93 100

95 79.9 65.8 98.6

174 114.5 92.8 139.2





#47

Bromodichloromethane

Concen: 10.982 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

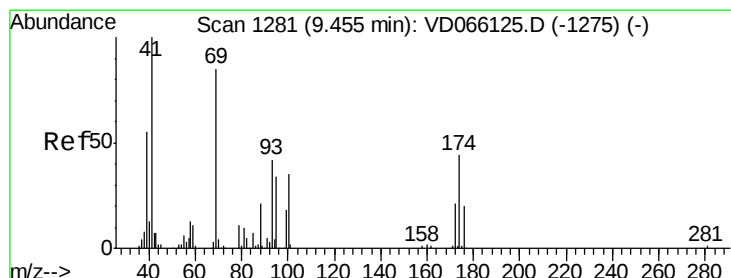
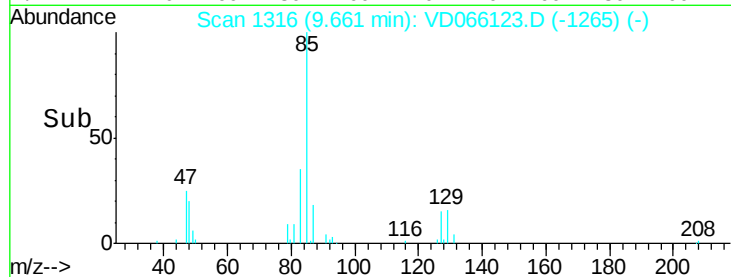
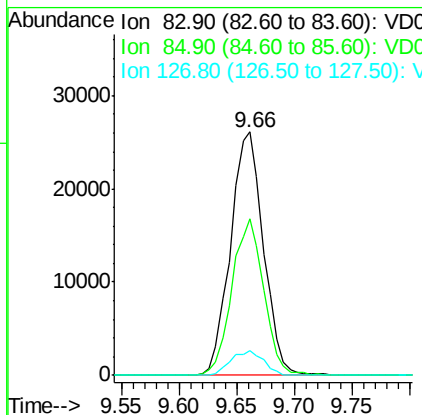
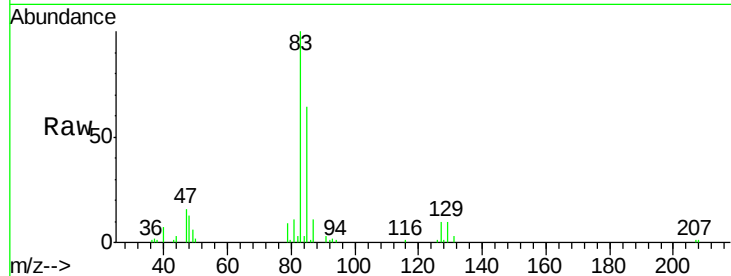
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	51539
Ion	Ratio	Lower	Upper
83	100		
85	64.1	48.2	72.4
127	9.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 10.352 ug/l

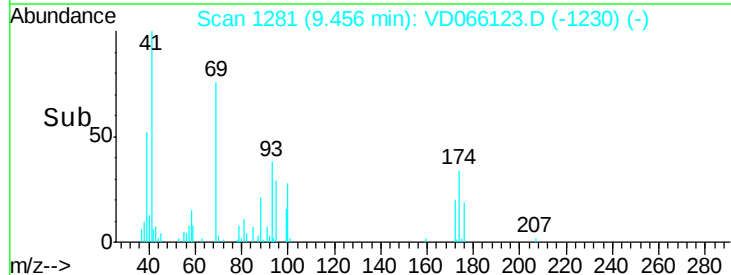
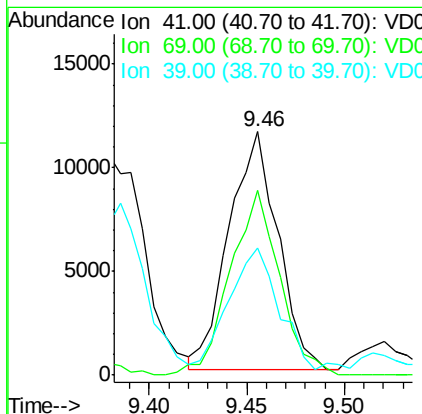
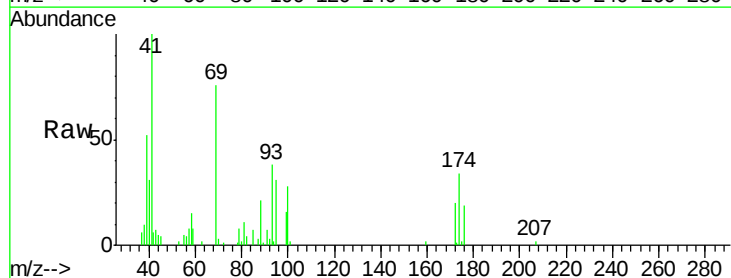
RT: 9.46 min Scan# 1281

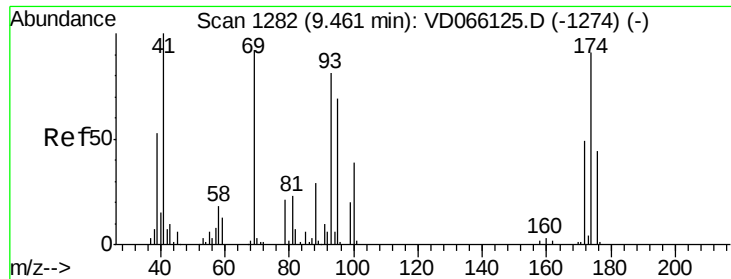
Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Tgt Ion:	41	Resp:	19867
Ion	Ratio	Lower	Upper
41	100		
69	78.6	63.9	95.9
39	51.0	42.6	64.0





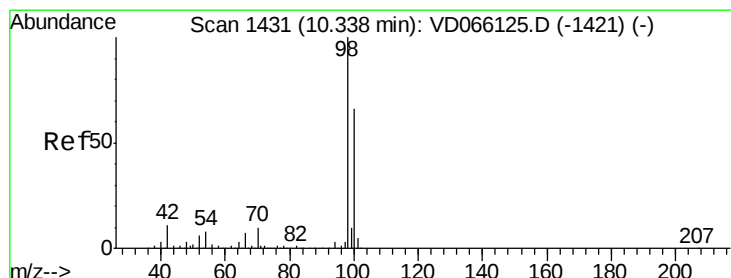
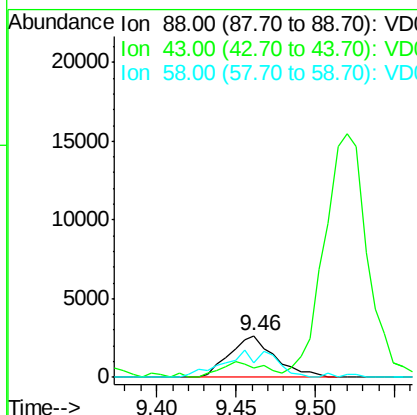
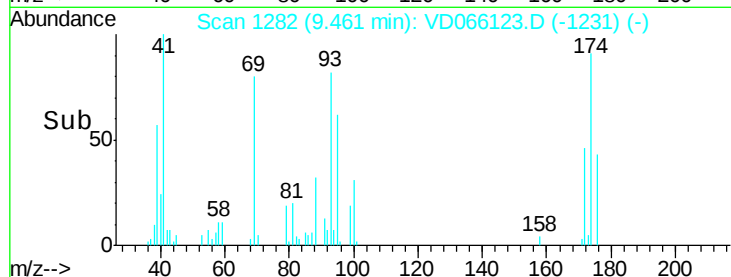
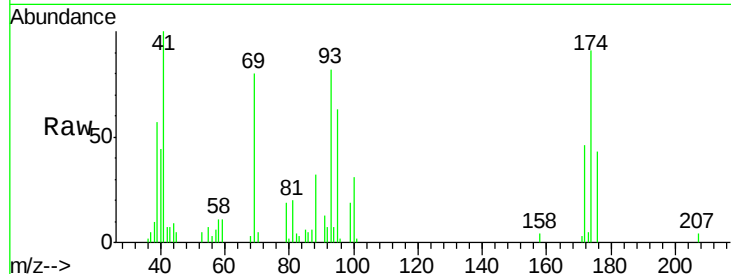
#49
1,4-Dioxane
Concen: 229.424 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	27.5	41.3
58	44.6	50.2	75.4

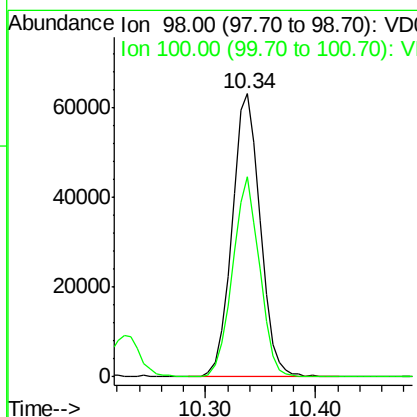
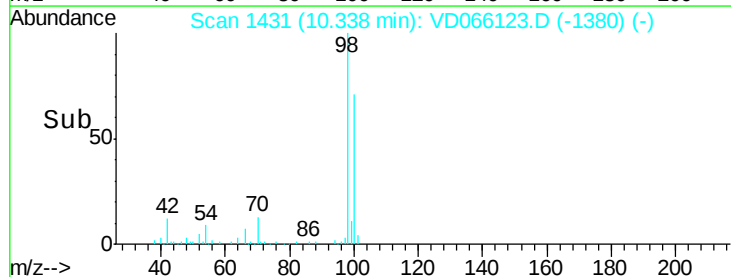
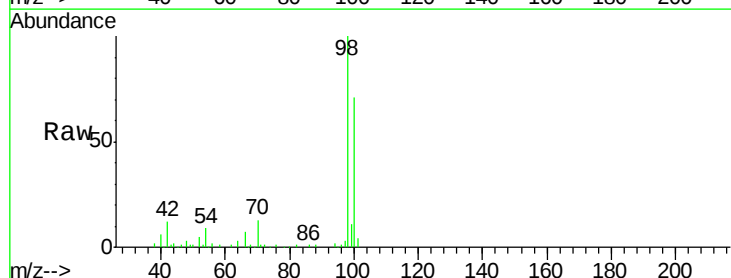
Manual Integrations
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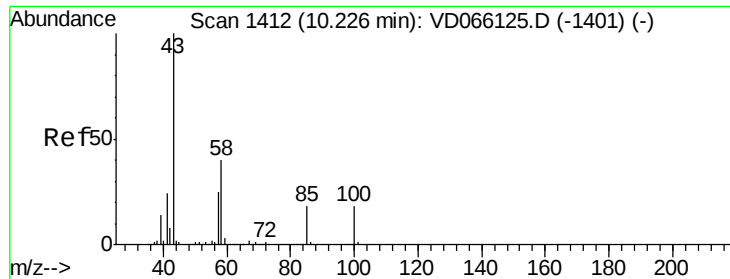
MMDadoda
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#50
Toluene-d8
Concen: 9.750 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.7	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 54.479 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 103440

Ion Ratio Lower Upper

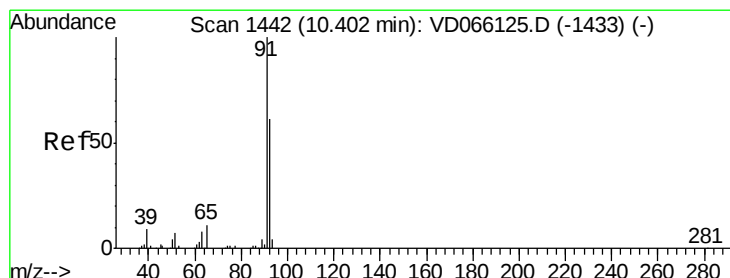
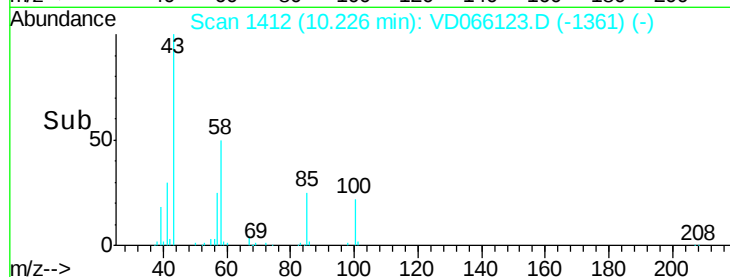
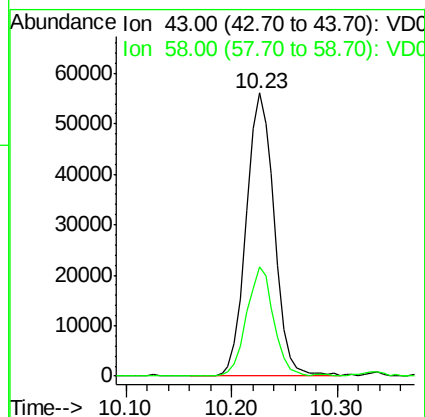
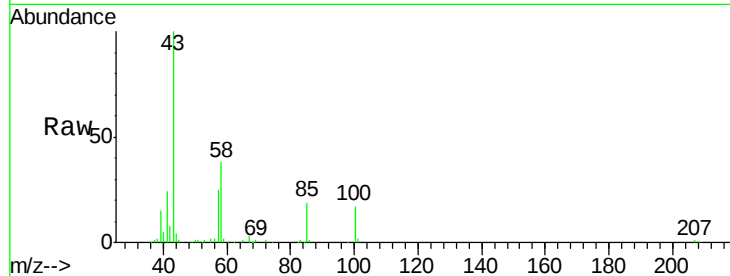
43 100

58 37.1 31.1 46.7

Manual Integrations
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#52

Toluene

Concen: 10.613 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066123.D

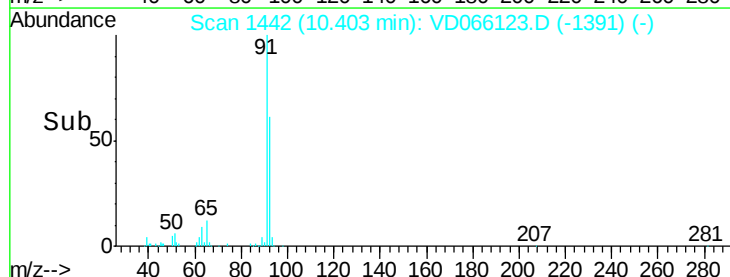
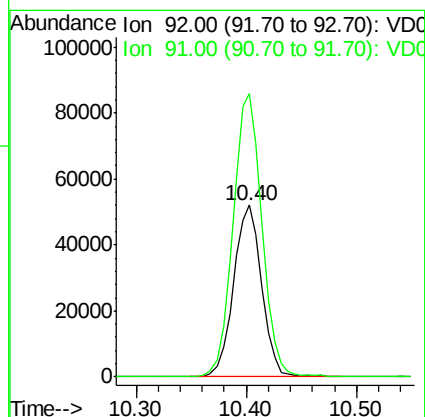
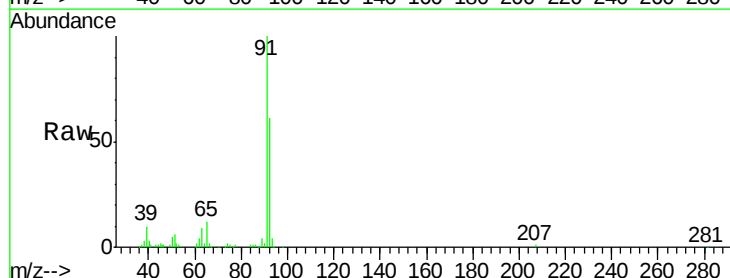
Acq: 05 Aug 2020 11:03

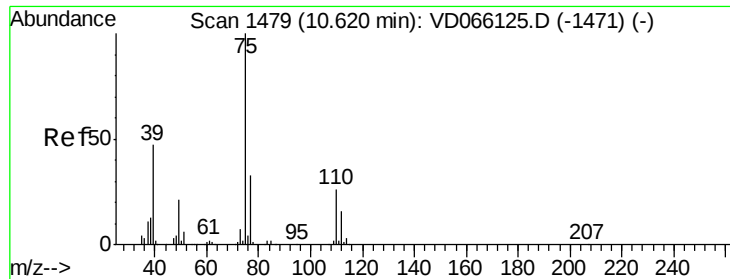
Tgt Ion: 92 Resp: 92613

Ion Ratio Lower Upper

92 100

91 170.3 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 10.940 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 48098

Ion Ratio Lower Upper

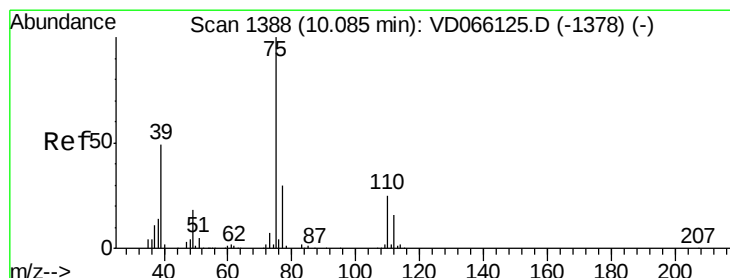
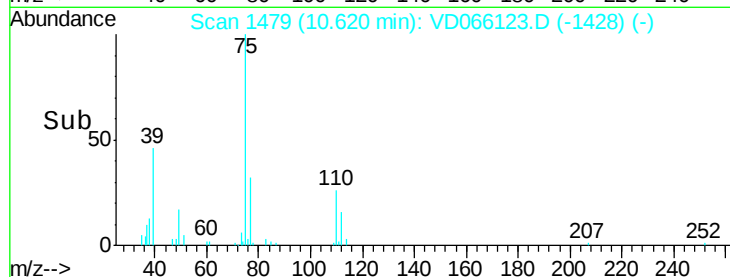
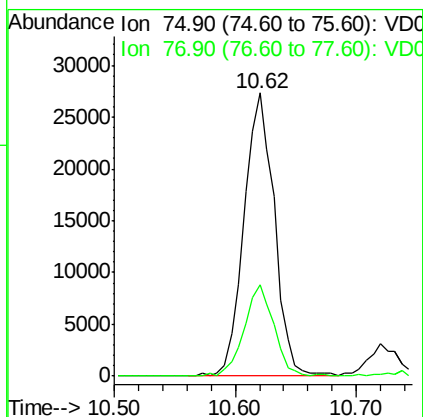
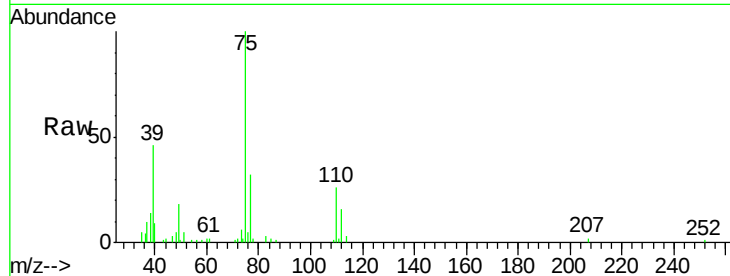
75 100

77 32.3 26.2 39.2

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 10.501 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

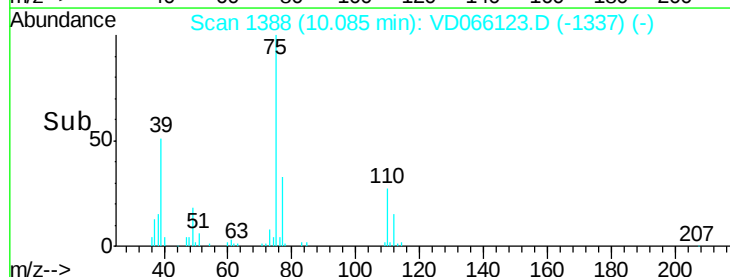
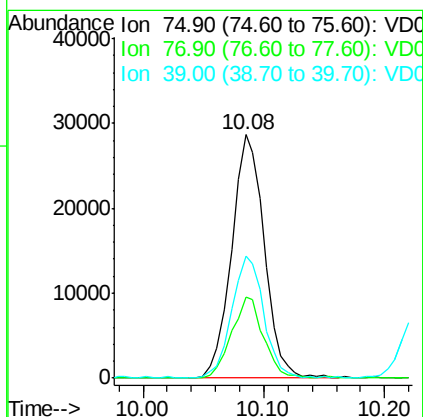
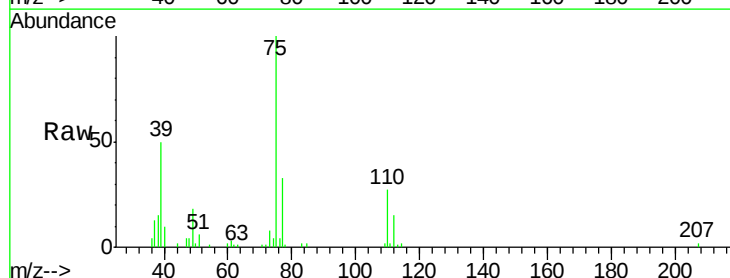
Tgt Ion: 75 Resp: 53979

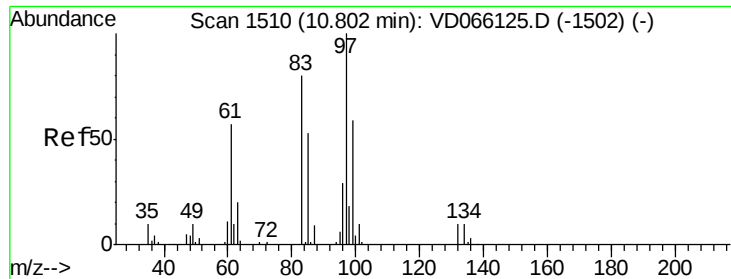
Ion Ratio Lower Upper

75 100

77 33.1 24.3 36.5

39 50.2 39.3 58.9





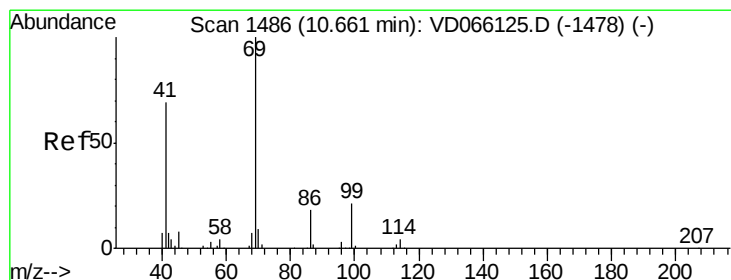
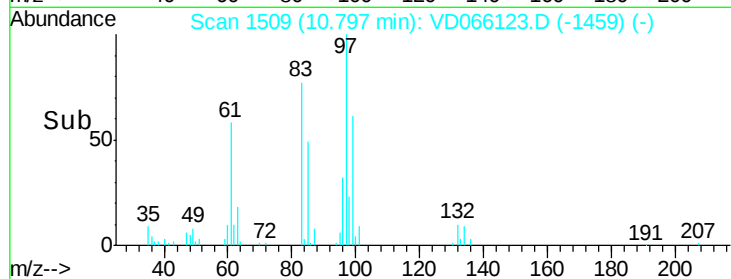
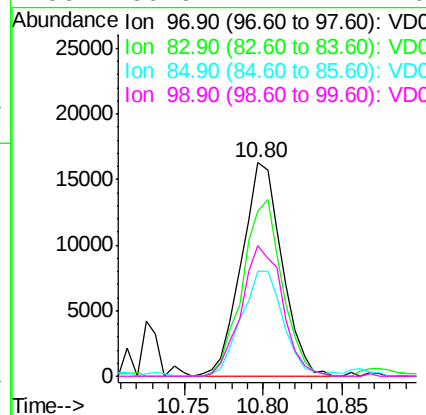
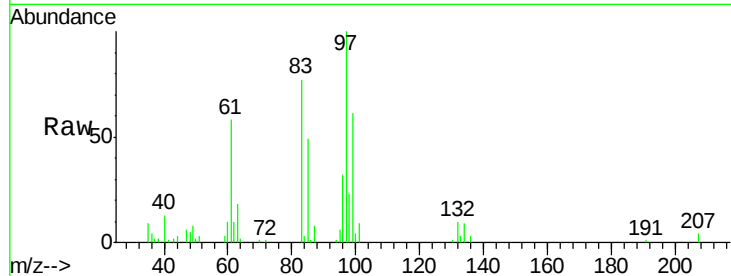
#55
 1,1,2-Trichloroethane
 Concen: 11.204 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	28978
Ion	Ratio	Lower	Upper
97	100		
83	77.4	63.9	95.9
85	49.2	42.5	63.7
99	60.9	47.4	71.0

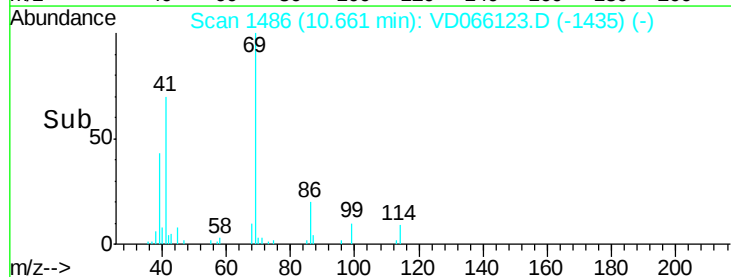
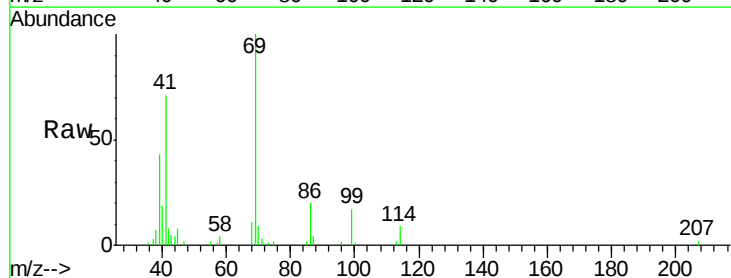
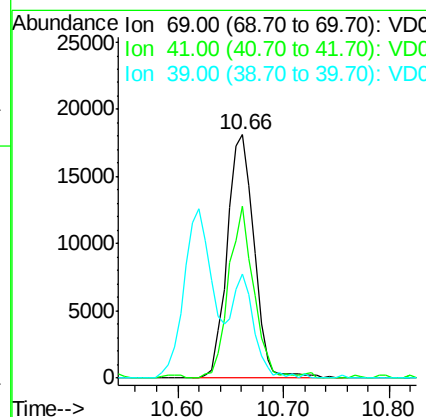
Manual Integrations
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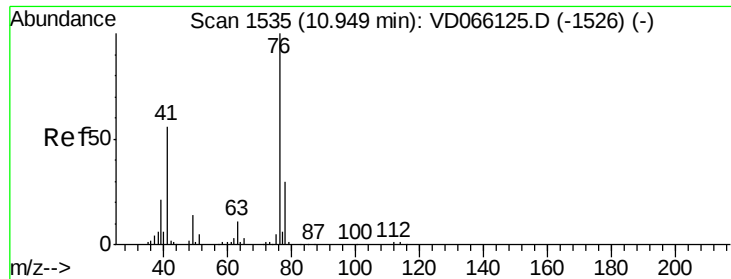
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#56
 Ethyl methacrylate
 Concen: 10.791 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Tgt Ion:	69	Resp:	32016
Ion	Ratio	Lower	Upper
69	100		
41	65.9	54.1	81.1
39	35.4	28.6	43.0





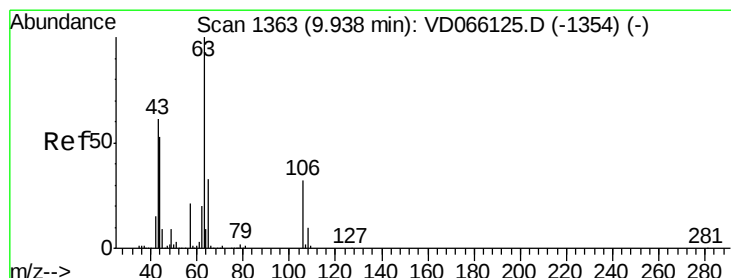
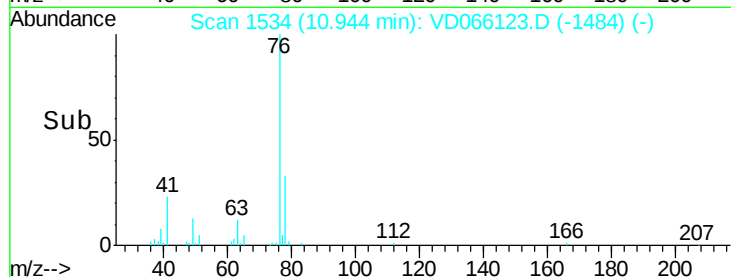
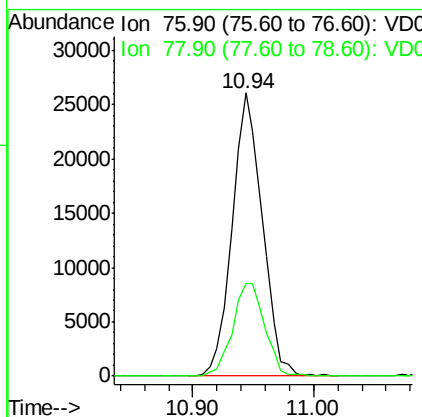
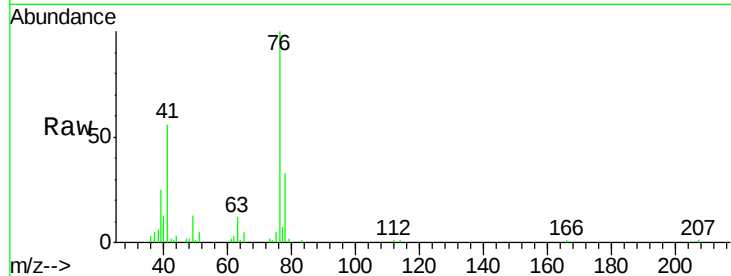
#57
 1,3-Dichloropropane
 Concen: 10.668 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.9	25.5	38.3

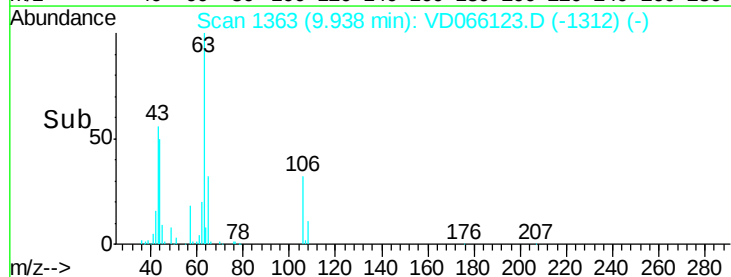
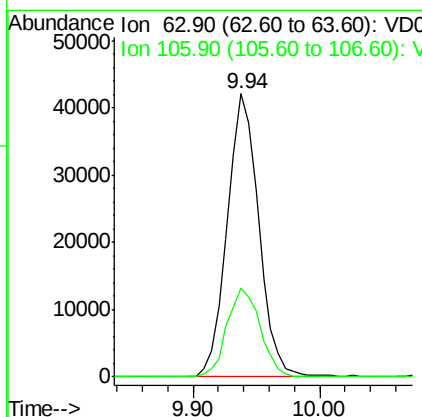
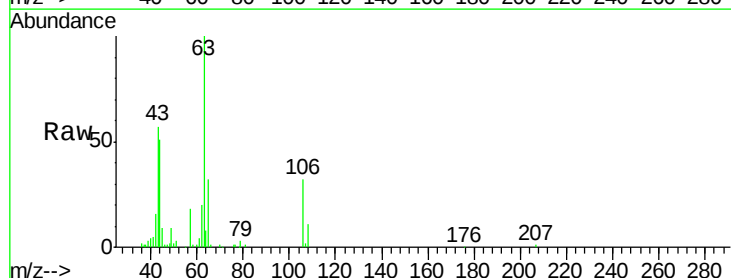
Manual Integrations
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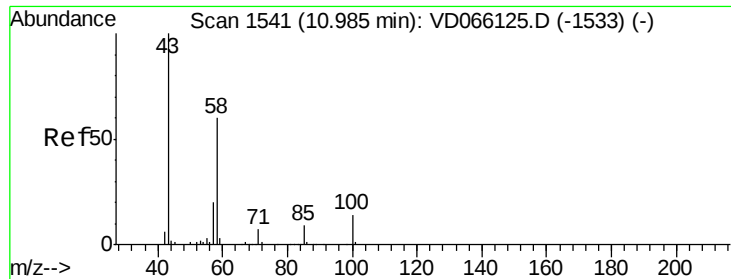
MMDadoda
 8/6/2020 1:54:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 53.568 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.8	25.3	37.9





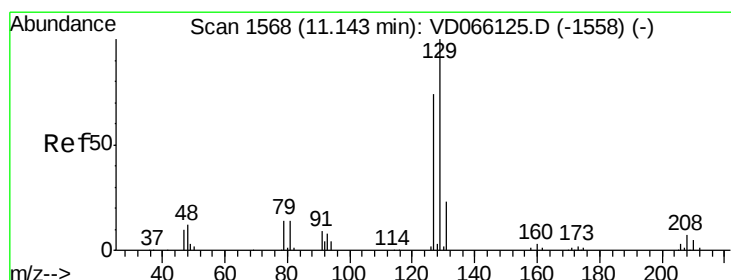
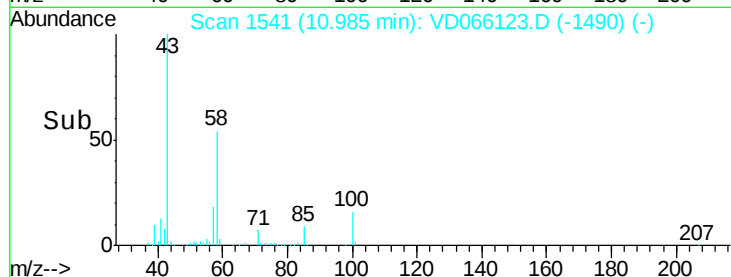
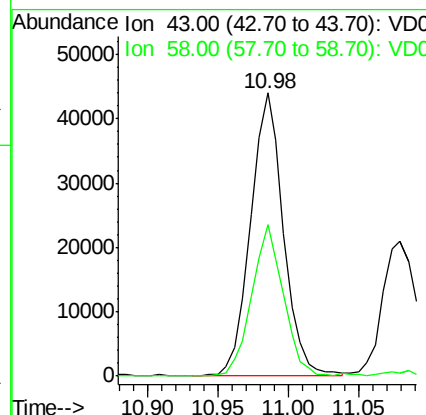
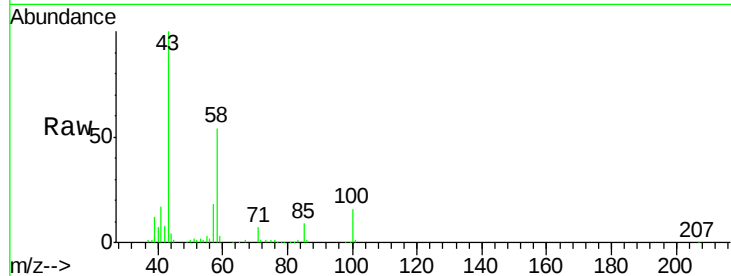
#59
2-Hexanone
Concen: 54.239 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	27.8	83.4

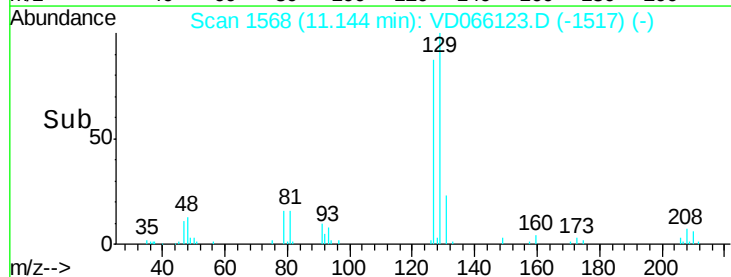
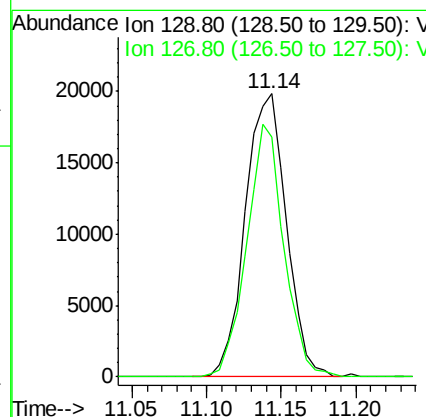
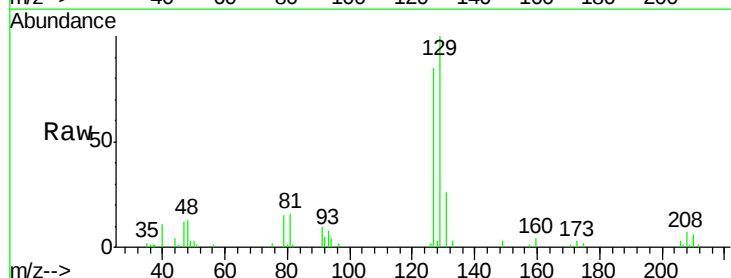
Manual Integrations
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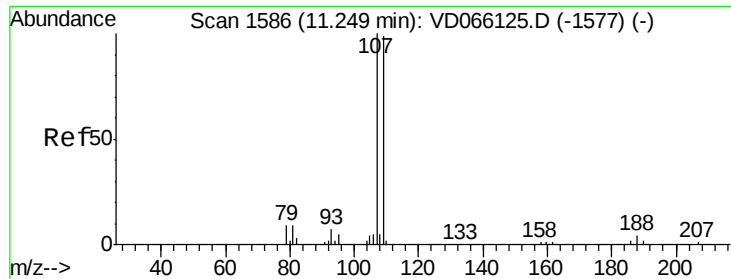
MMDadoda
8/6/2020 1:54:14 PM



#60
Dibromochloromethane
Concen: 10.630 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.9	38.0	114.1





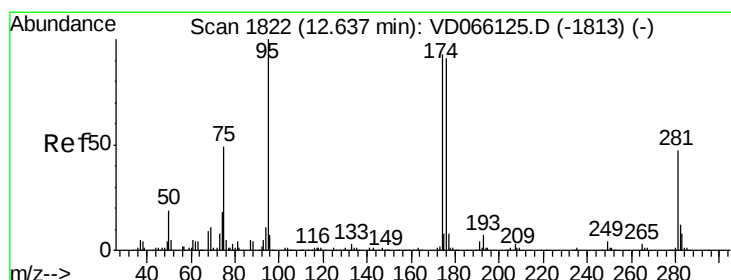
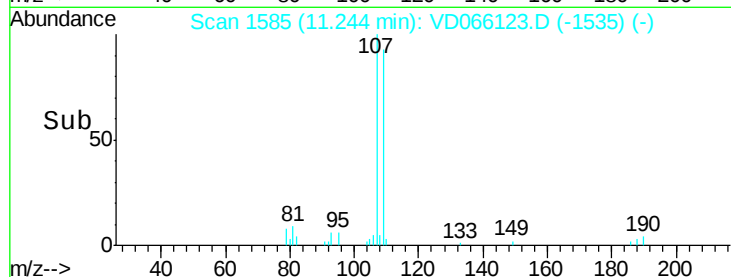
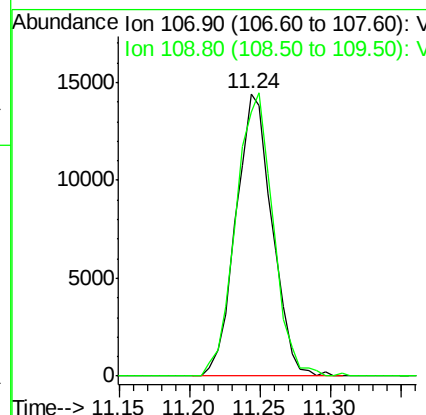
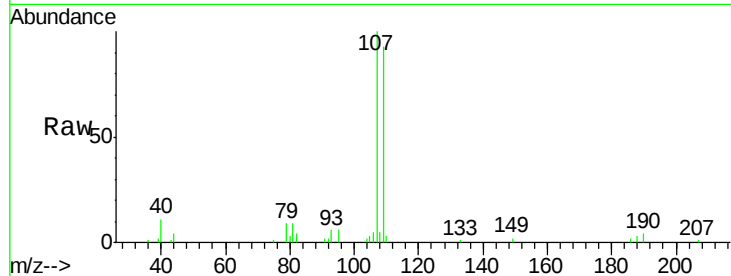
#61
 1,2-Dibromoethane
 Concen: 10.521 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 25803
 Ion Ratio Lower Upper
 107 100
 109 103.1 76.5 114.7

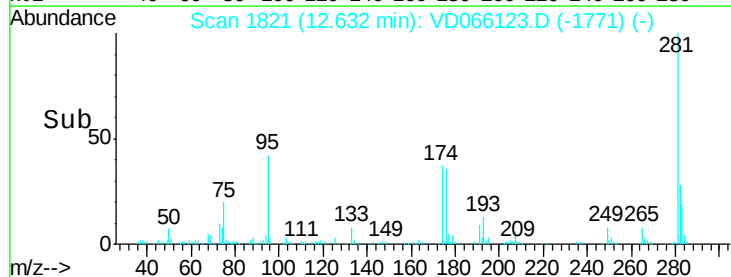
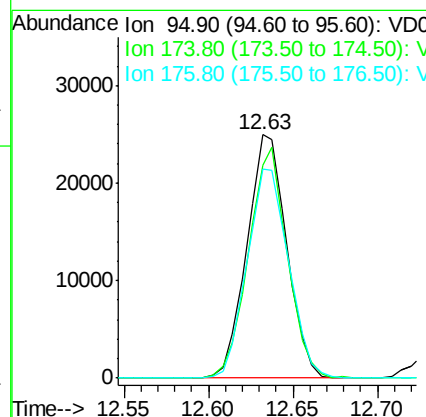
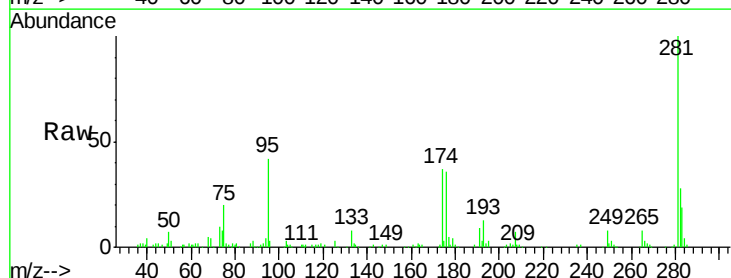
Manual Integrations
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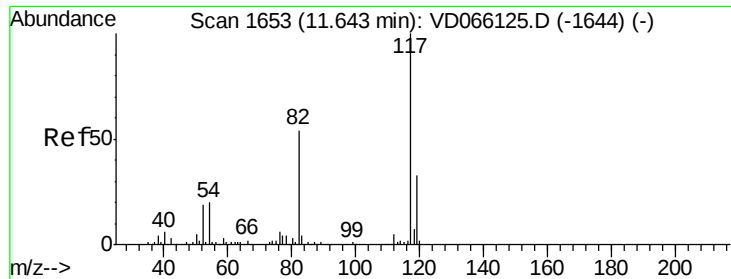
MMDadoda
 8/6/2020 1:54:14 PM



#62
 4-Bromofluorobenzene
 Concen: 9.675 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Tgt Ion: 95 Resp: 40879
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 180.8
 176 89.8 0.0 181.2





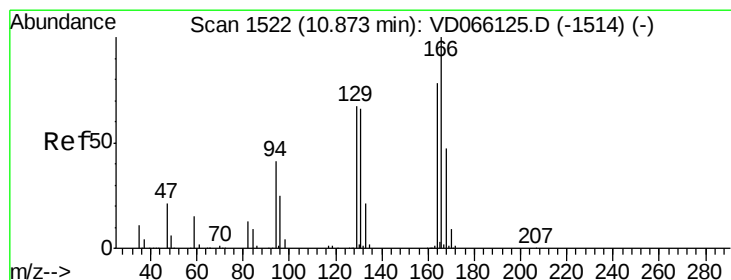
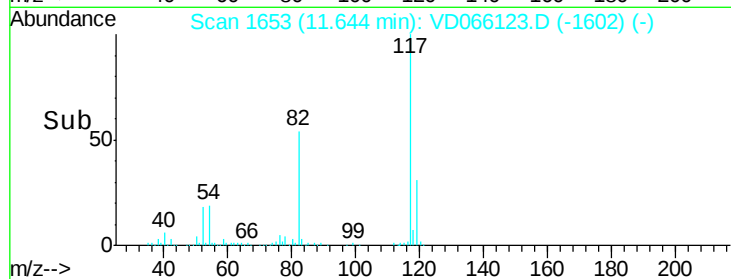
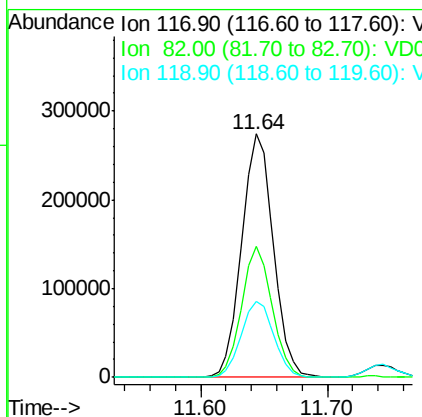
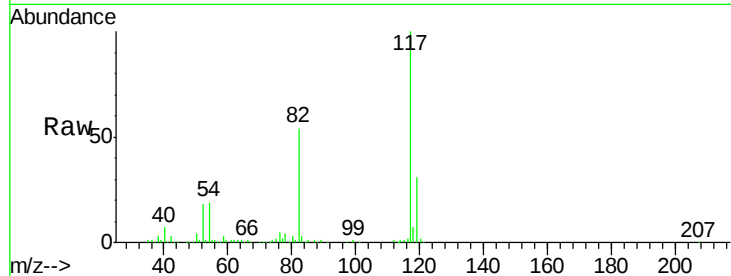
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	474790		
82	53.9	43.0	64.4	
119	31.2	26.1	39.1	

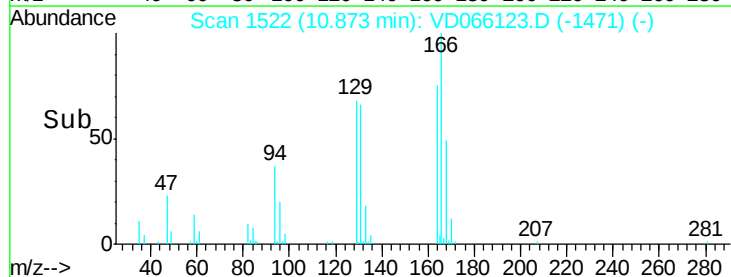
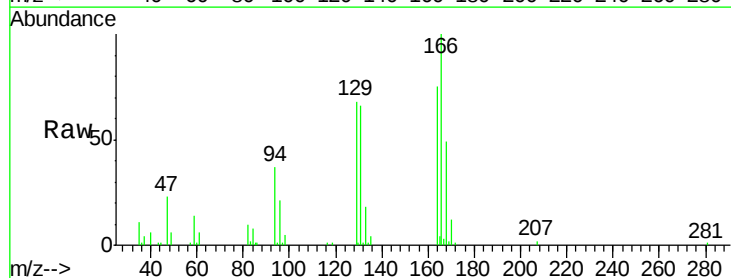
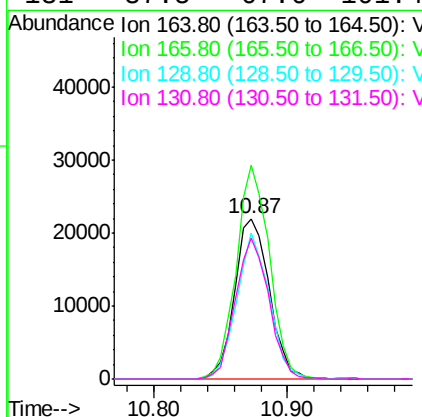
Manual Integrations
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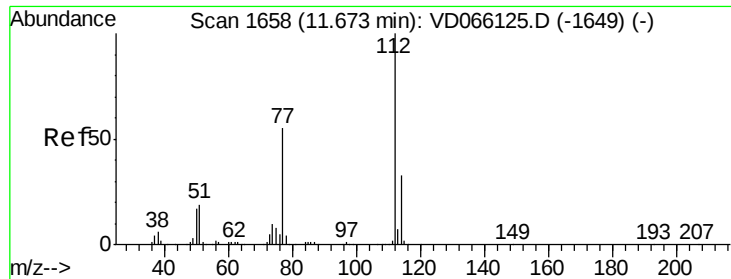
MMDadoda
8/6/2020 1:54:14 PM



#64
Tetrachloroethene
Concen: 10.658 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39662		
166	133.0	101.9	152.9	
129	90.8	68.1	102.1	
131	87.5	67.6	101.4	





#65

Chlorobenzene

Concen: 10.396 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 102446

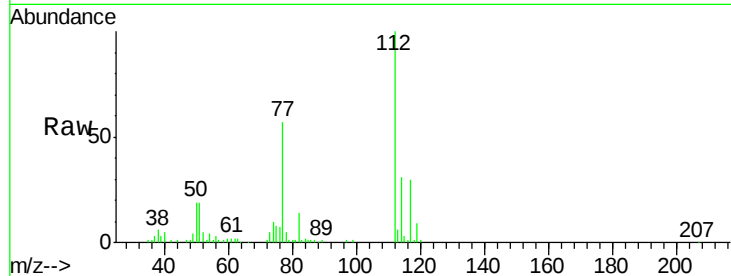
Ion Ratio Lower Upper

112 100

114 31.4 26.1 39.1

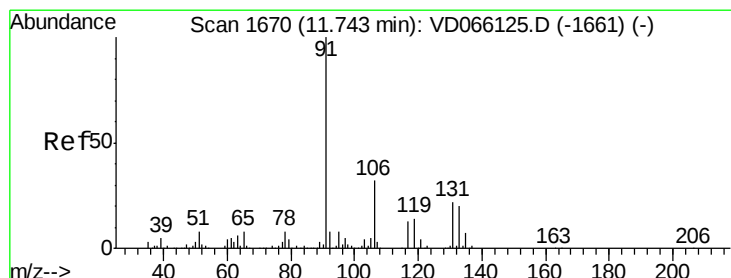
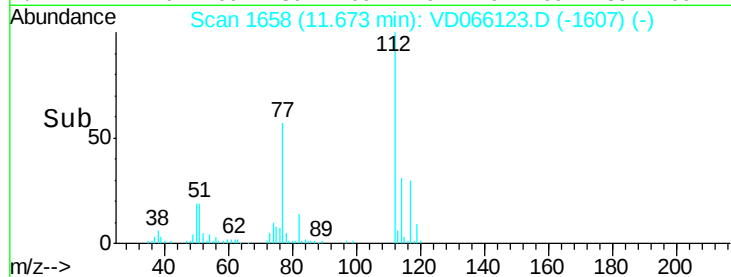
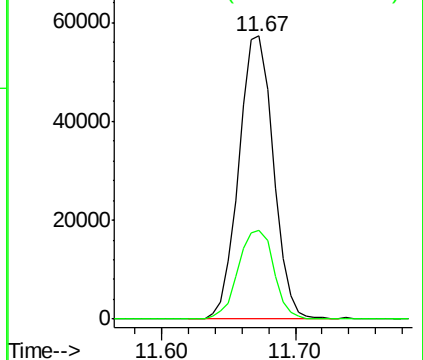
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.566 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

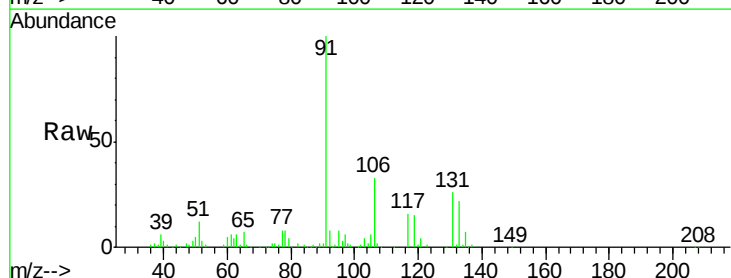
Tgt Ion:131 Resp: 40932

Ion Ratio Lower Upper

131 100

133 95.7 47.1 141.4

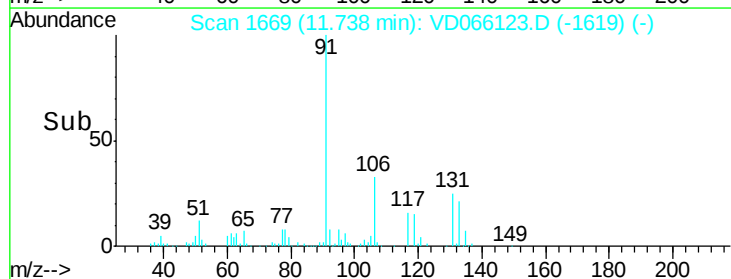
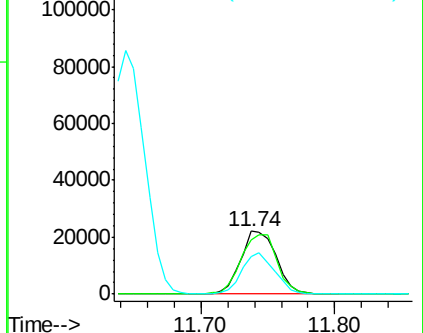
119 60.1 31.6 94.7

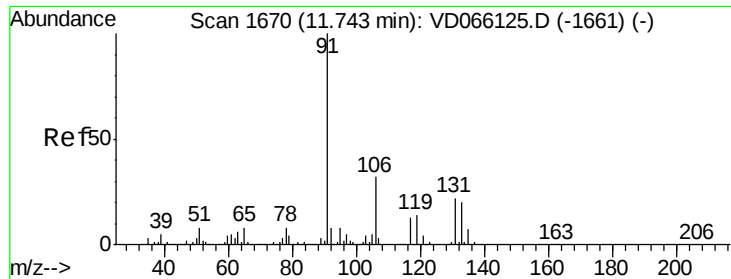


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





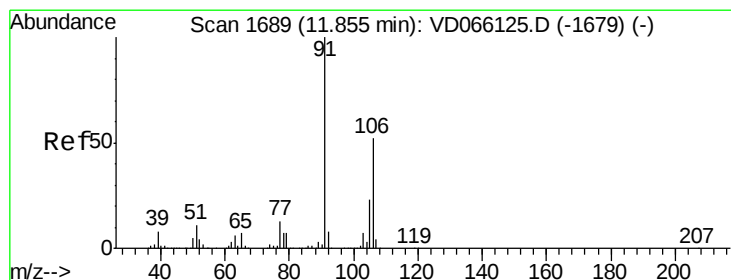
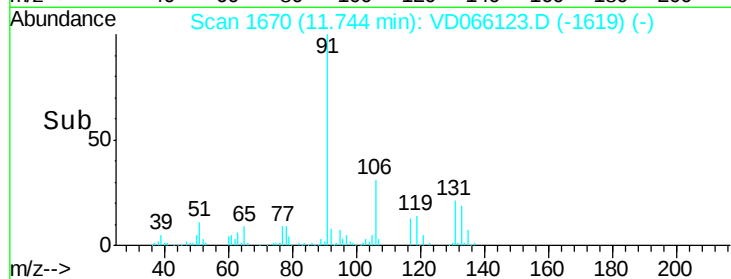
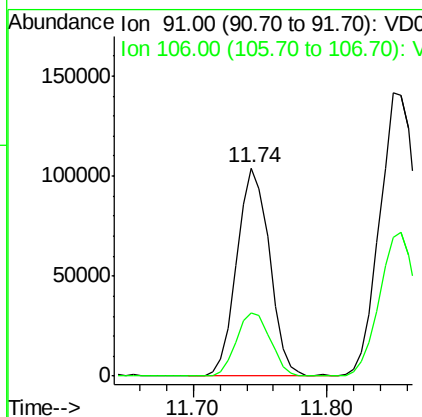
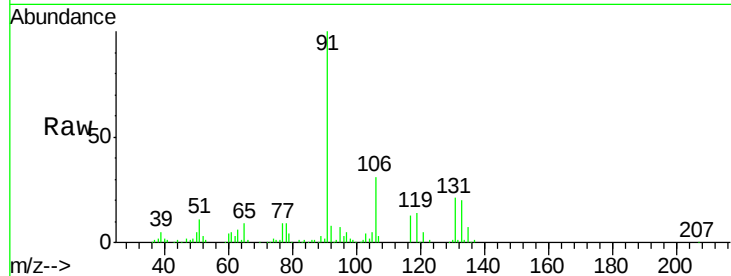
#67
Ethyl Benzene
Concen: 10.447 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.7	38.5

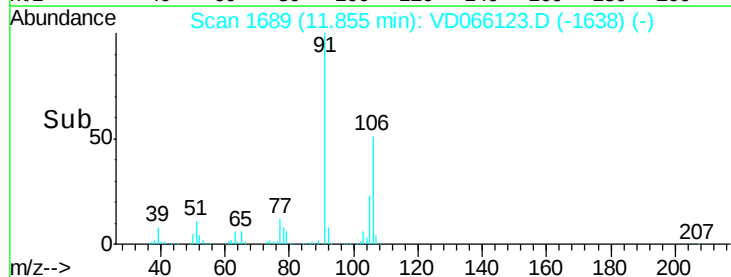
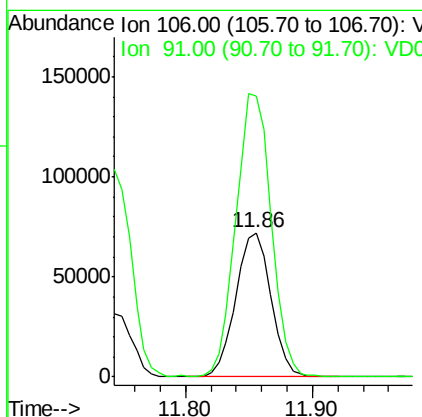
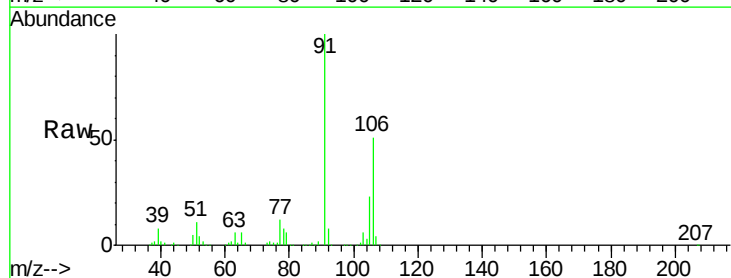
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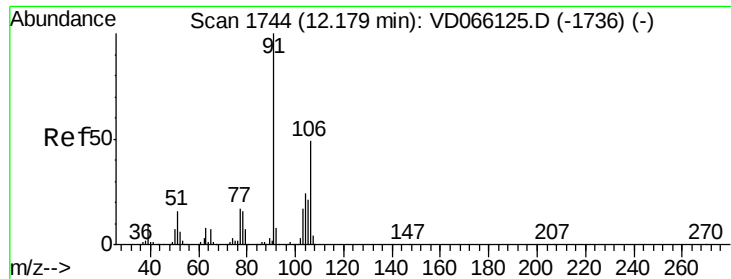
MMDadoda
8/6/2020 1:54:14 PM



#68
m/p-Xylenes
Concen: 21.061 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.9	156.6	235.0





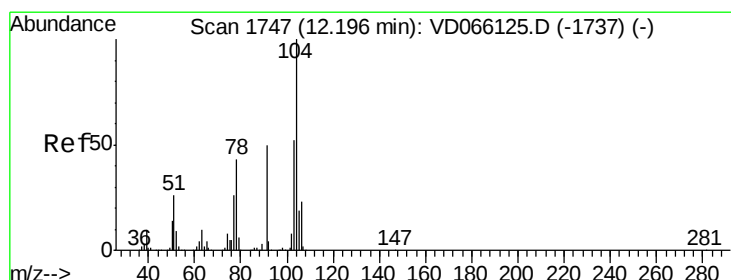
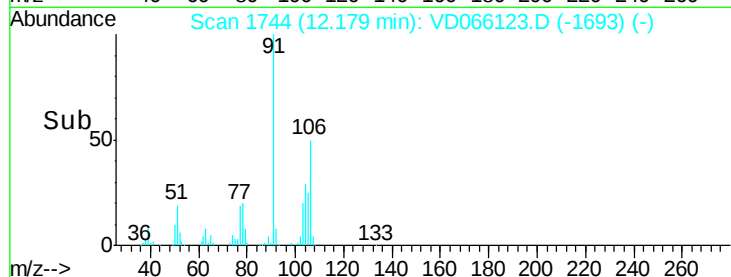
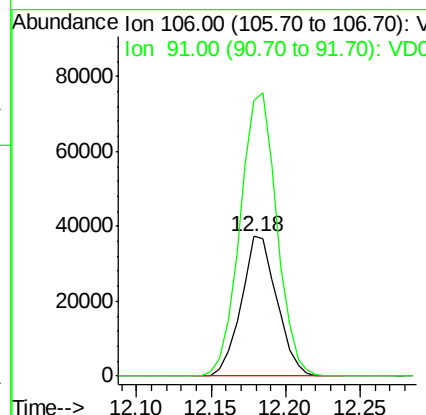
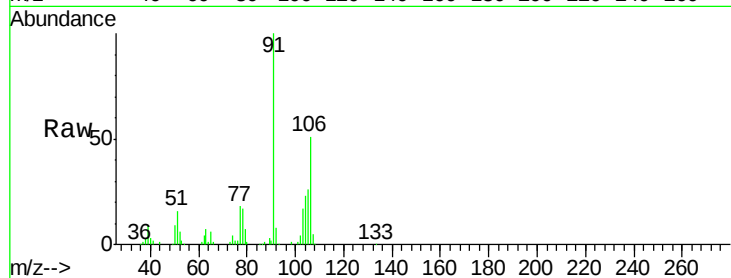
#69
o-Xylene
Concen: 10.429 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.1	105.7	317.1	

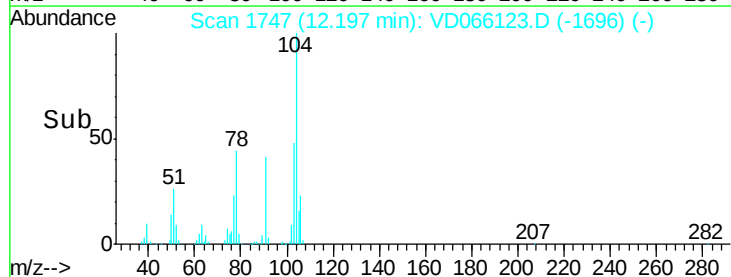
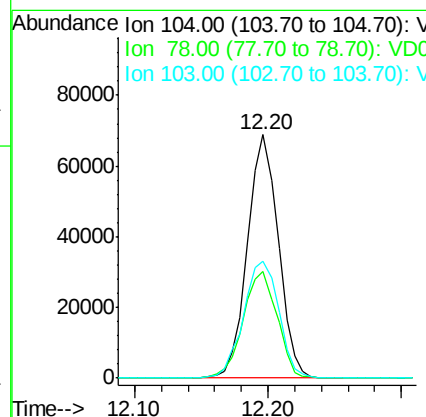
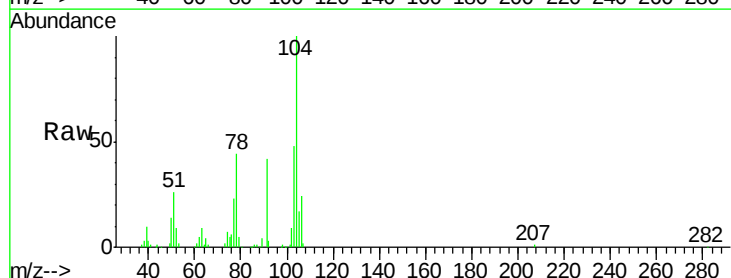
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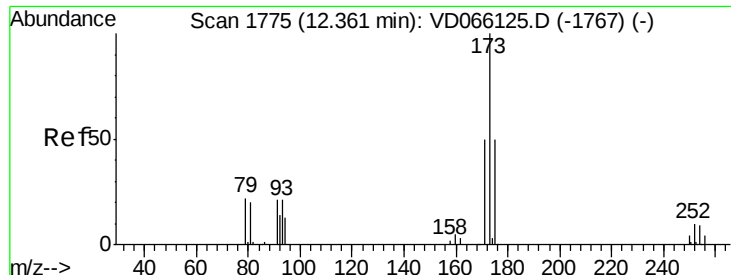
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#70
Styrene
Concen: 10.575 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.3	38.6	58.0	
103	55.2	44.1	66.1	





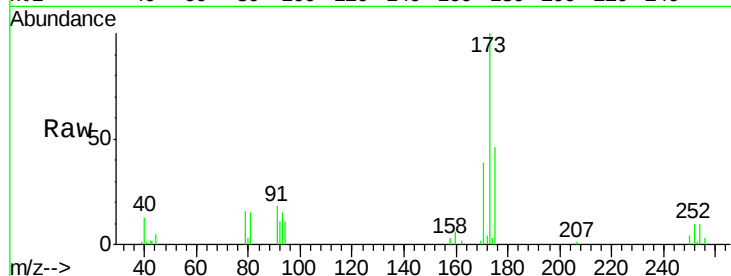
#71
Bromoform
Concen: 10.882 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

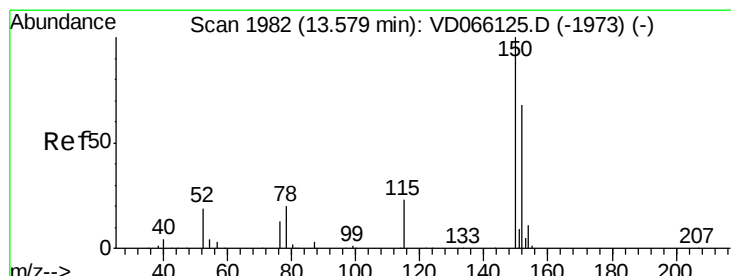
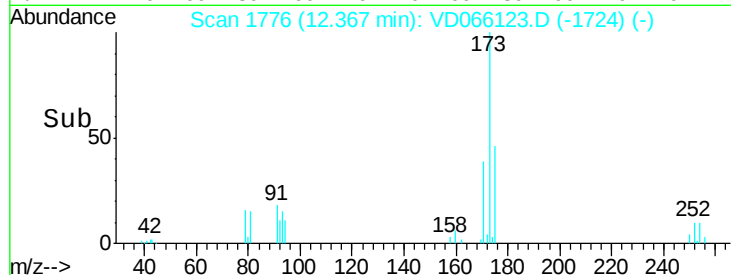
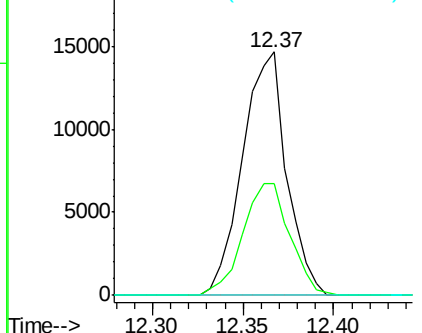
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.2	0.2

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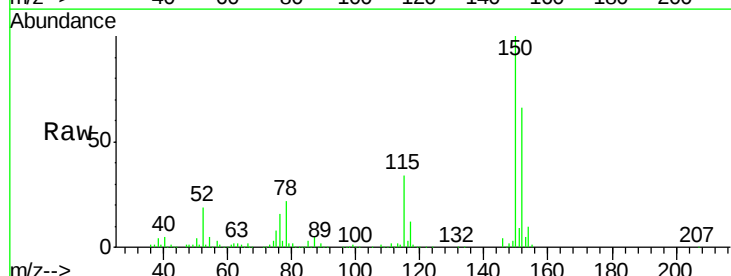


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

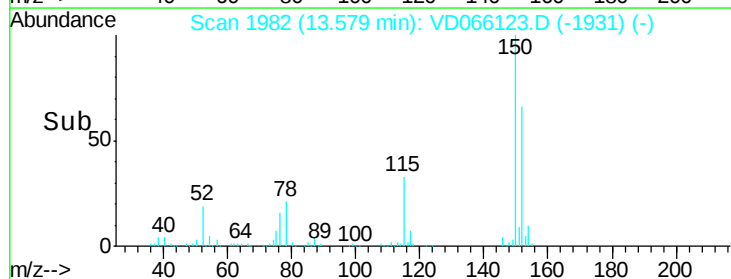
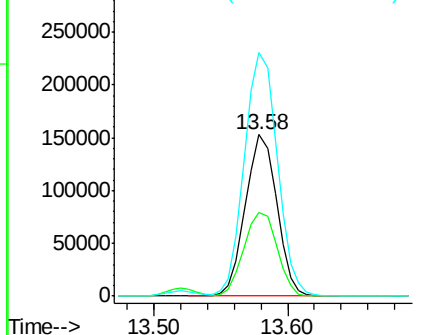


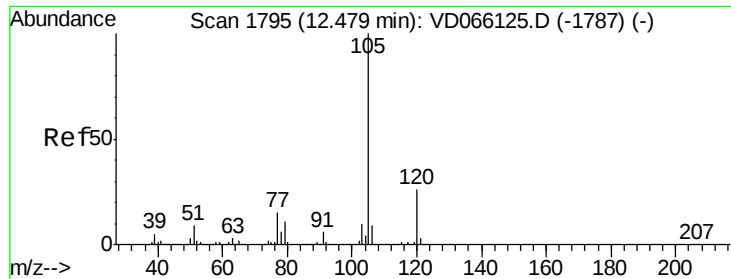
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.0	83.9
150	158.5	0.0	346.4



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





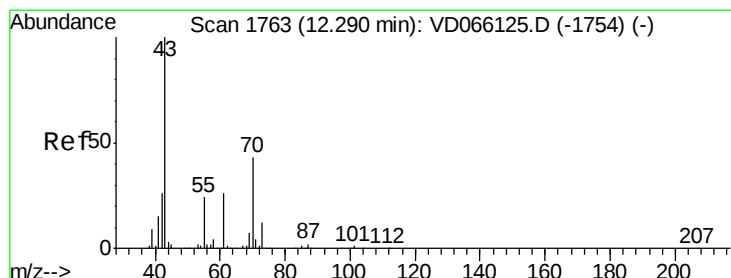
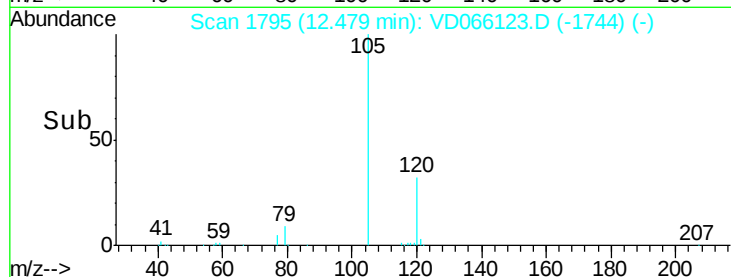
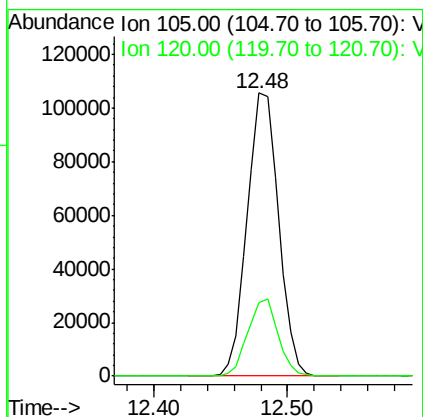
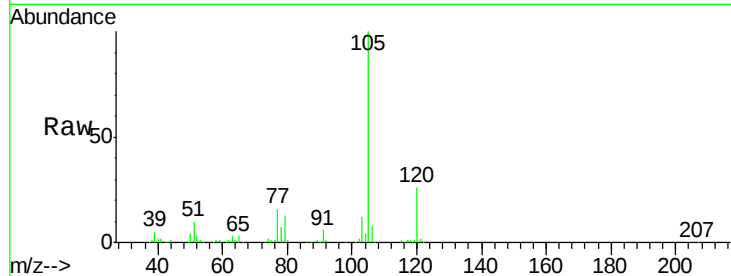
#73
Isopropylbenzene
Concen: 10.272 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.9

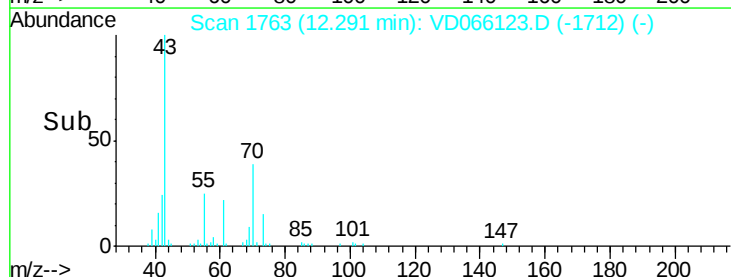
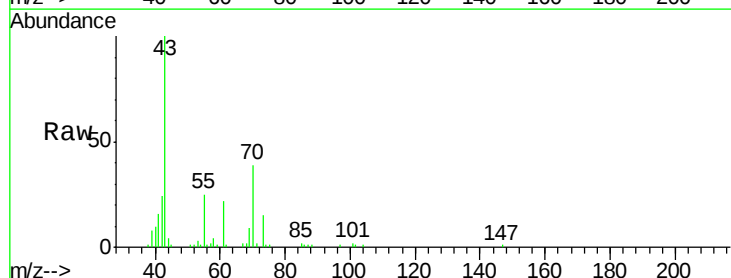
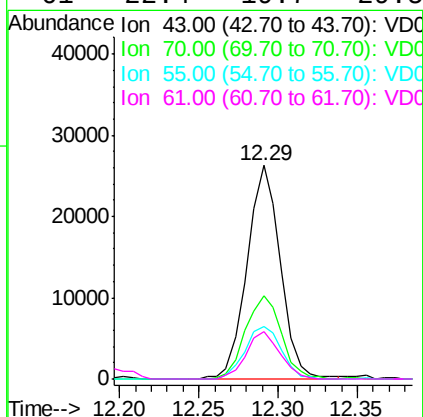
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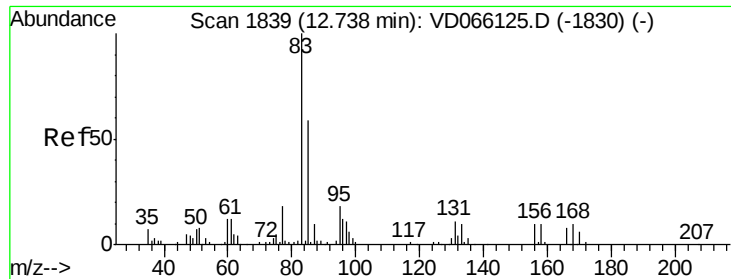
MMDadoda
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#74
N-ethyl acetate
Concen: 10.677 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.9	34.9	52.3
55	26.7	19.2	28.8
61	22.4	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 10.581 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 30735

Ion Ratio Lower Upper

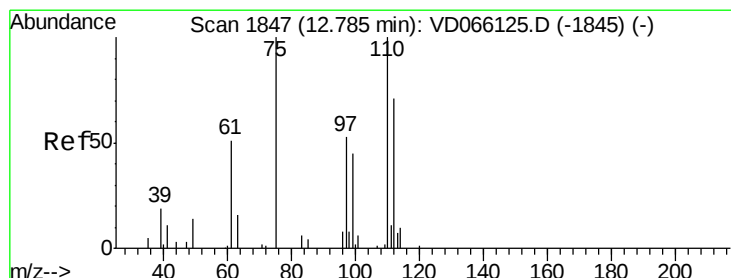
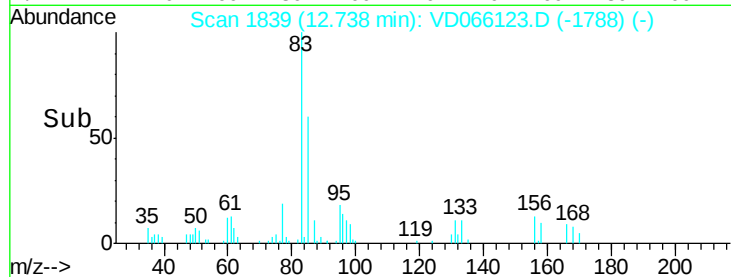
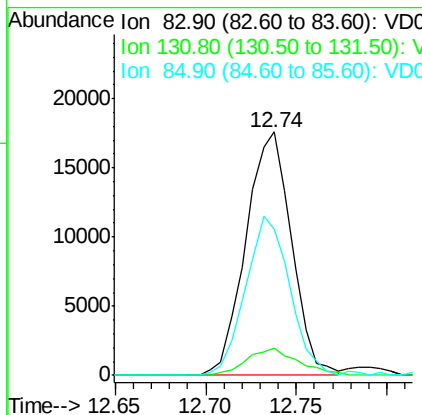
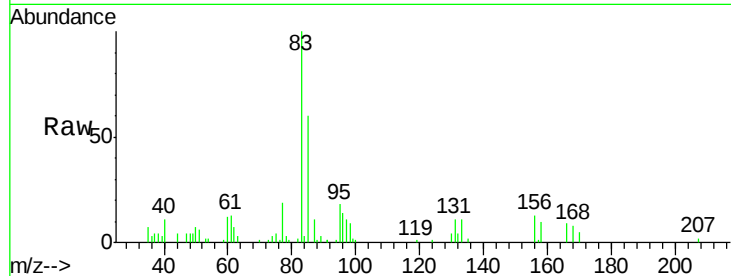
83 100

131 12.7 6.2 18.6

85 63.4 32.4 97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 10.228 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066123.D

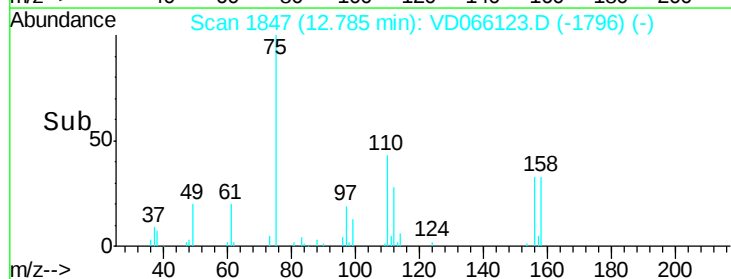
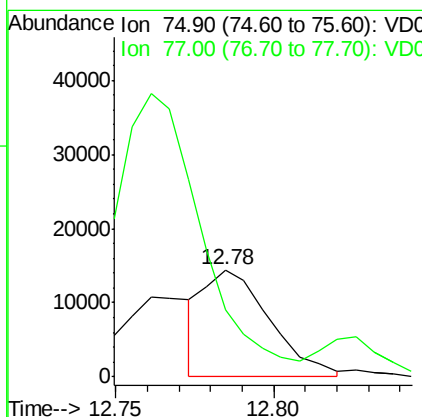
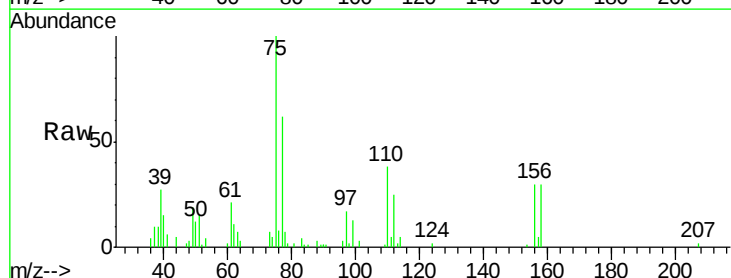
Acq: 05 Aug 2020 11:03

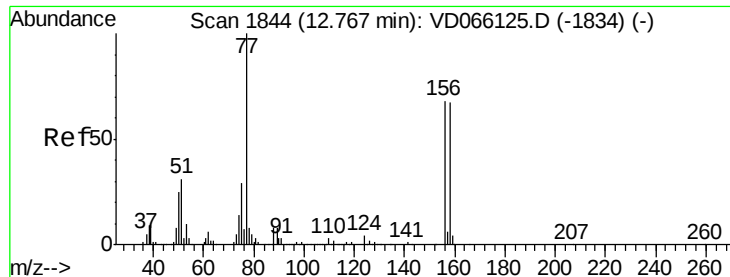
Tgt Ion: 75 Resp: 21073

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 10.273 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 44678

Ion Ratio Lower Upper

156 100

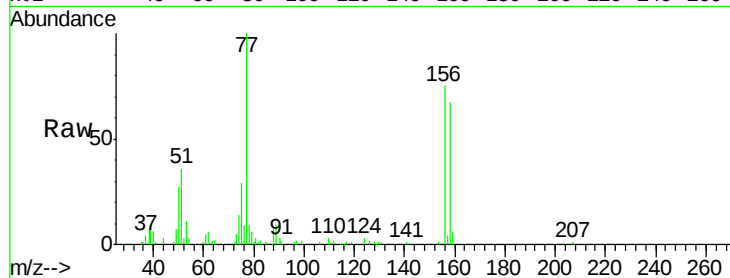
77 166.6 81.0 243.1

158 101.0 48.8 146.3

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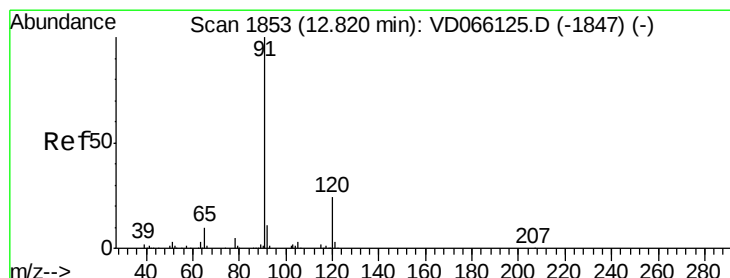
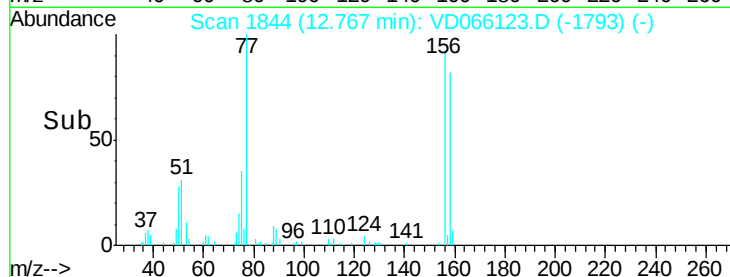
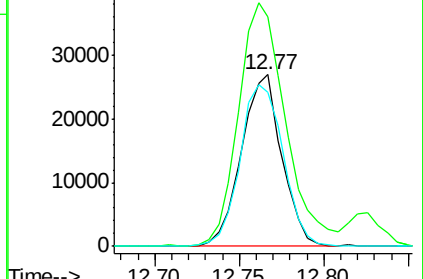
8/6/2020 1:54:14 PM



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: 10.361 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066123.D

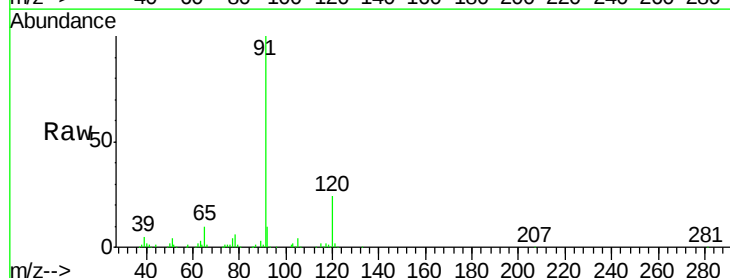
Acq: 05 Aug 2020 11:03

Tgt Ion: 91 Resp: 202721

Ion Ratio Lower Upper

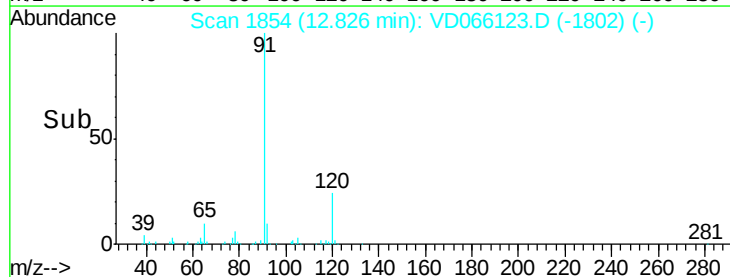
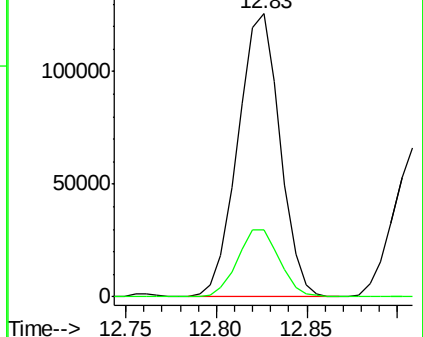
91 100

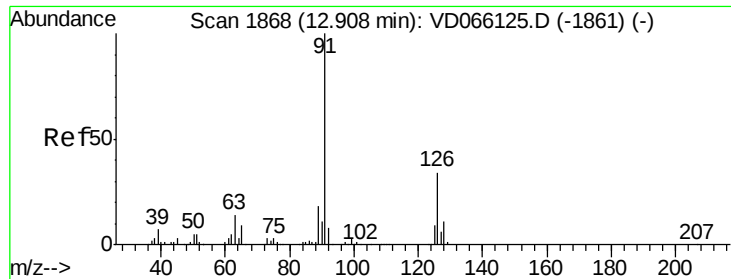
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





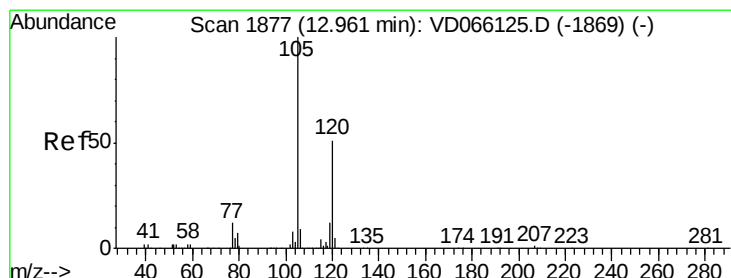
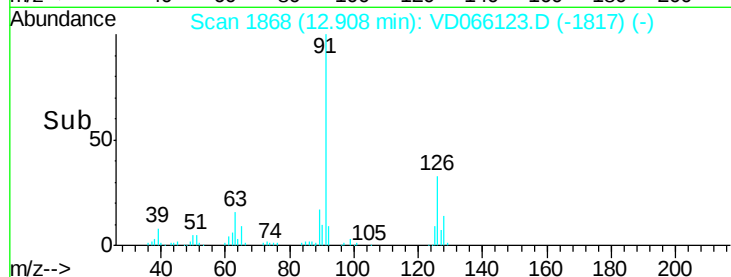
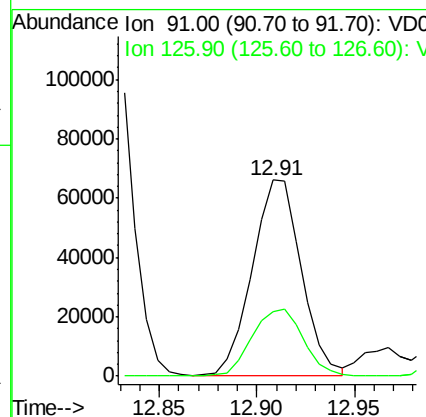
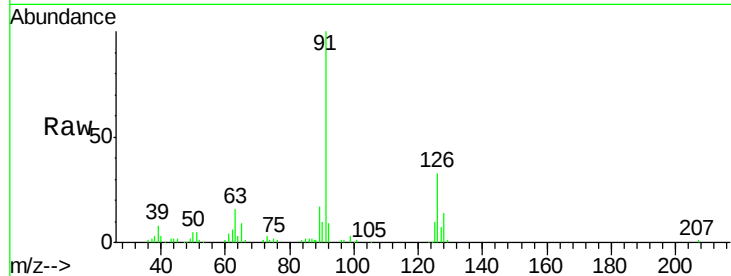
#79
 2-Chlorotoluene
 Concen: 10.269 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.5	52.6

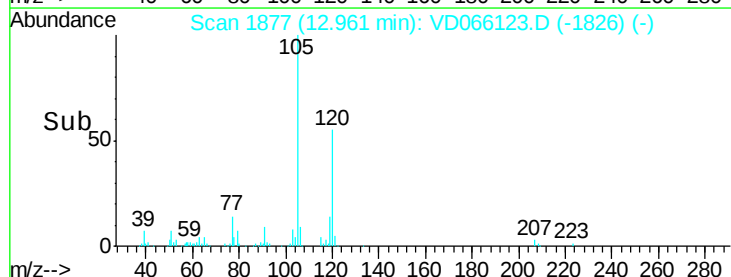
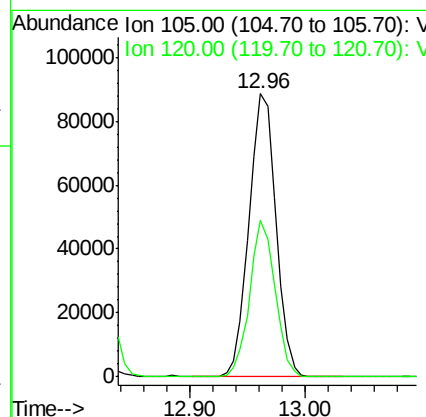
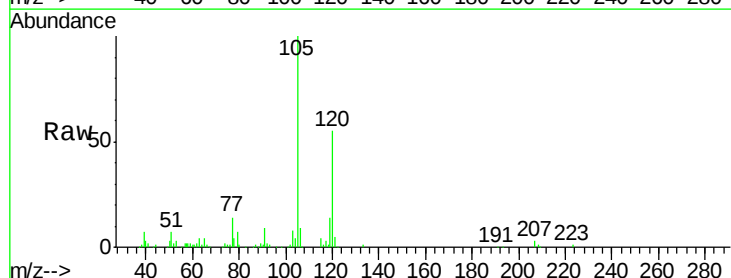
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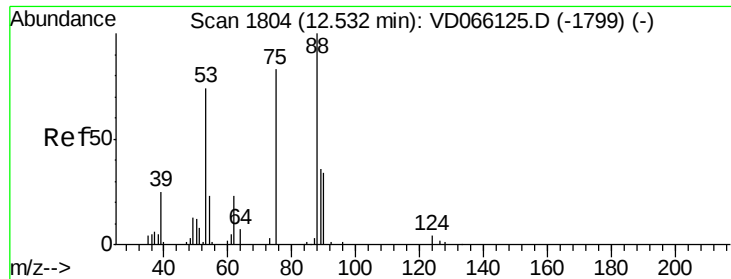
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 10.312 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.0	25.3	75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 10.278 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

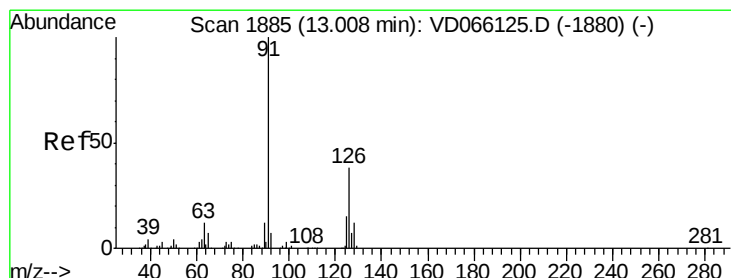
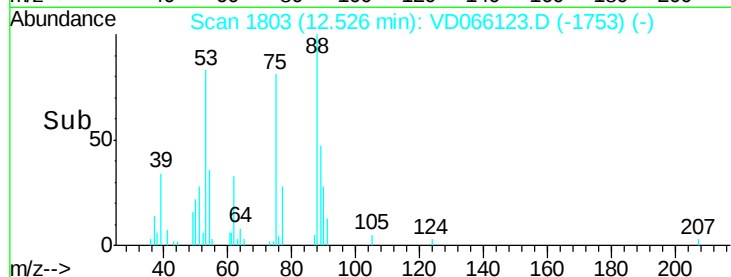
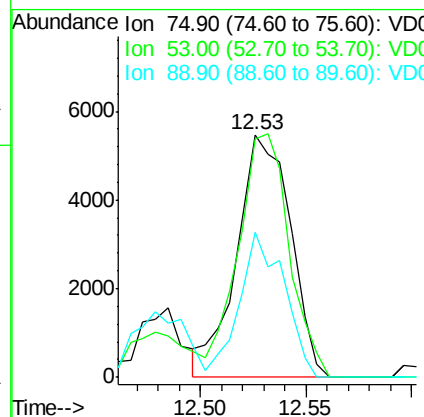
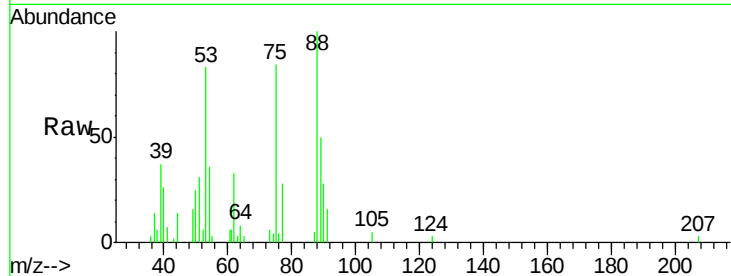
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	9672
Ion	Ratio	Lower	Upper
75	100		
53	94.8	73.4	110.2
89	49.5	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 10.442 ug/l

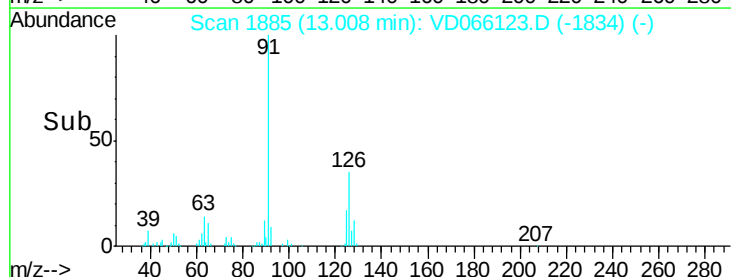
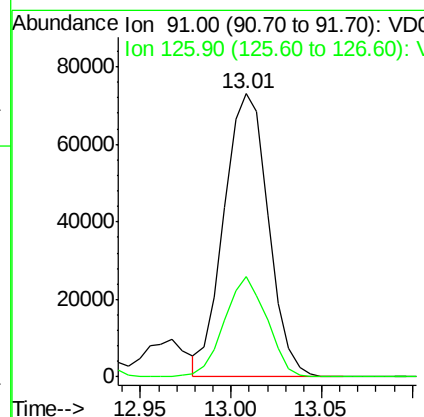
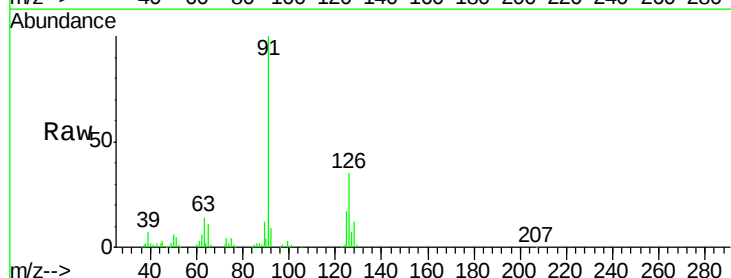
RT: 13.01 min Scan# 1885

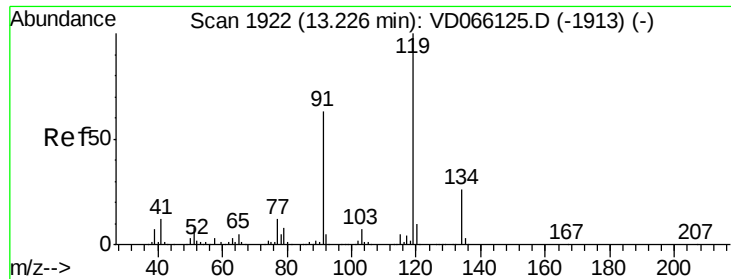
Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Tgt Ion:	91	Resp:	124099
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.8	53.3





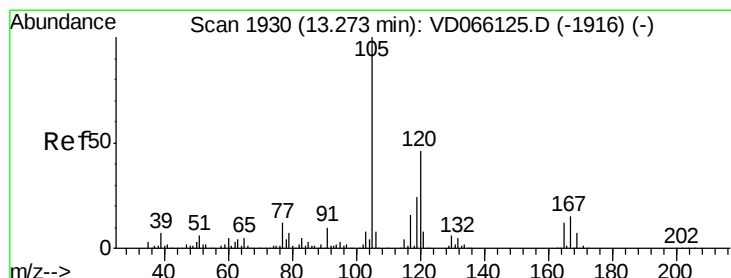
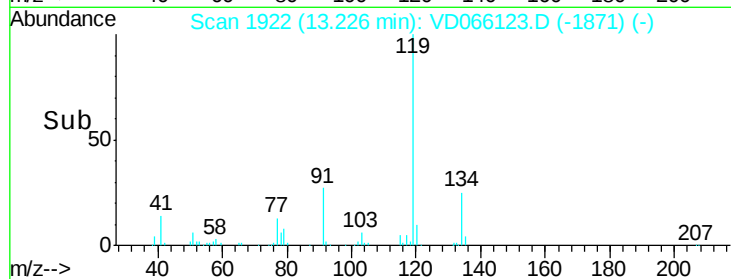
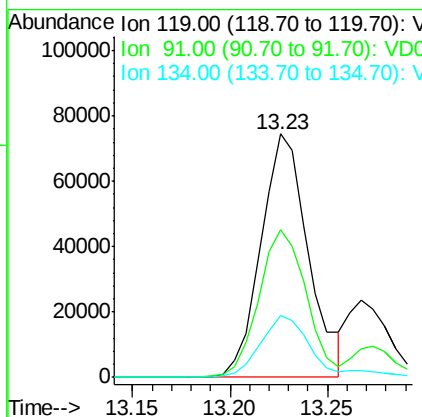
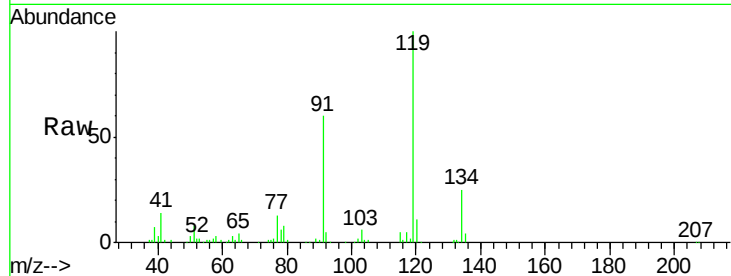
#83
tert-Butylbenzene
Concen: 10.202 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.8	92.4
134	25.8	13.6	40.8

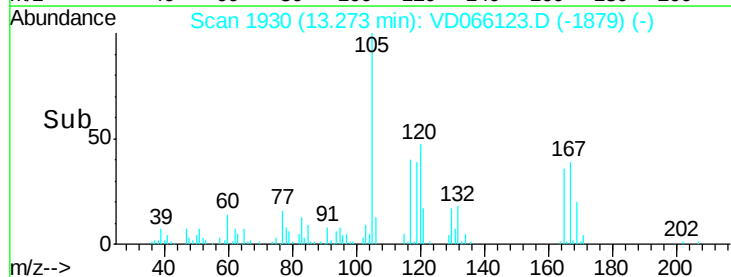
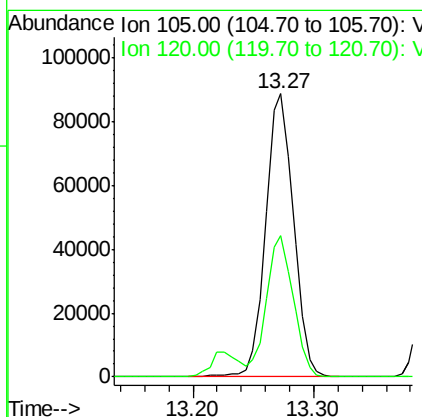
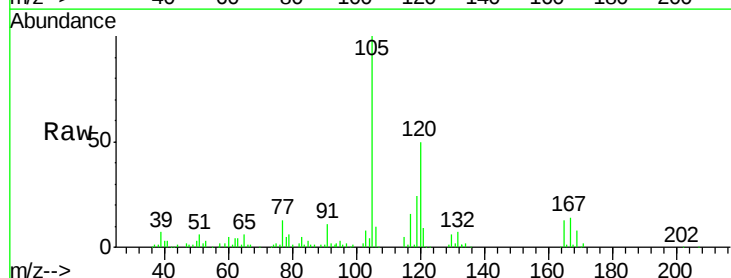
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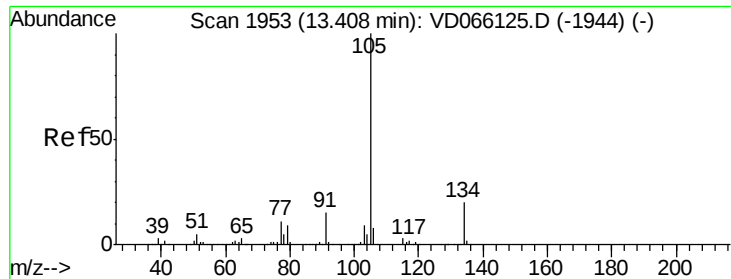
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#84
1,2,4-Trimethylbenzene
Concen: 10.011 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 10.585 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 176293

Ion Ratio Lower Upper

105 100

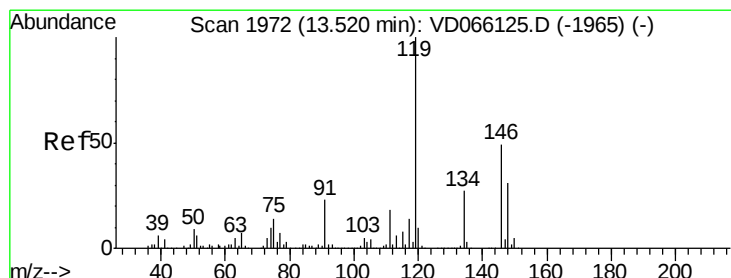
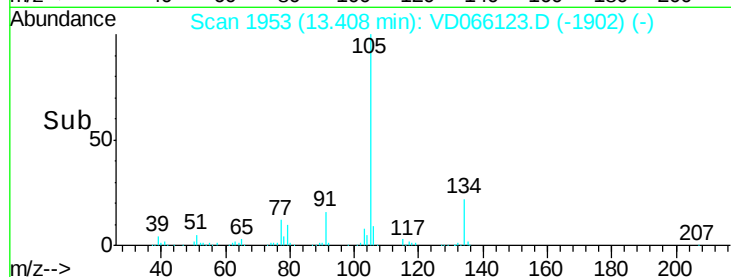
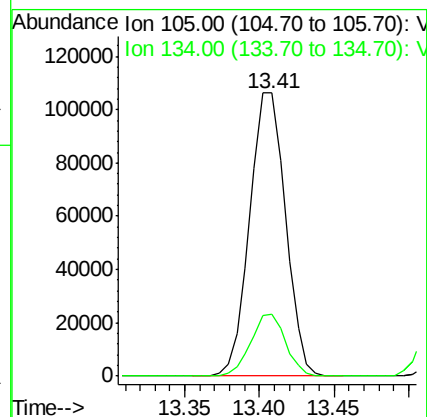
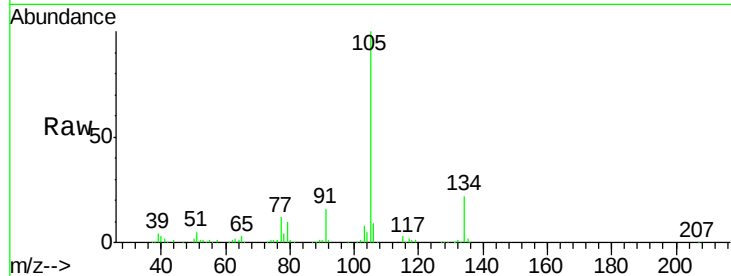
134 21.4 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 10.373 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066123.D

Acq: 05 Aug 2020 11:03

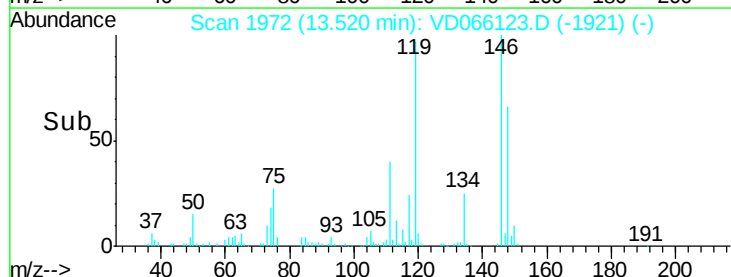
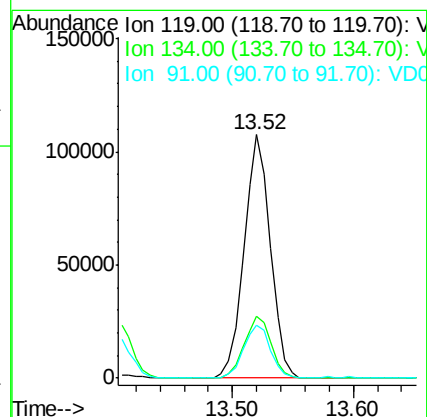
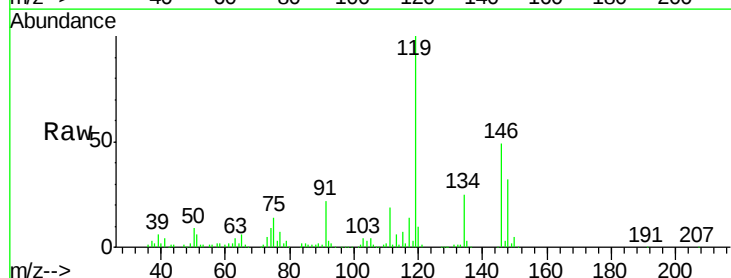
Tgt Ion:119 Resp: 162476

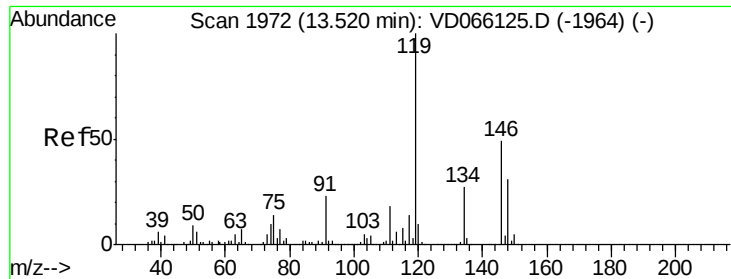
Ion Ratio Lower Upper

119 100

134 25.9 13.5 40.4

91 22.5 11.2 33.5





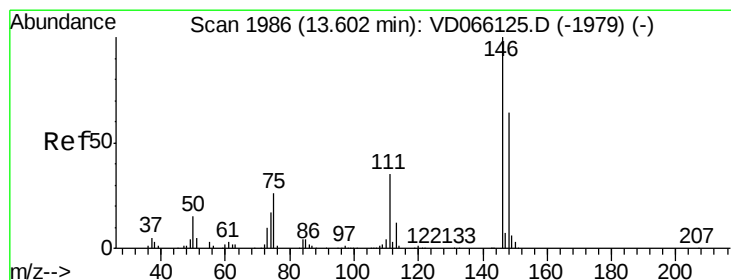
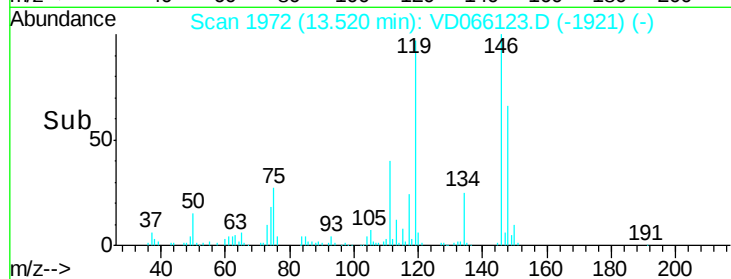
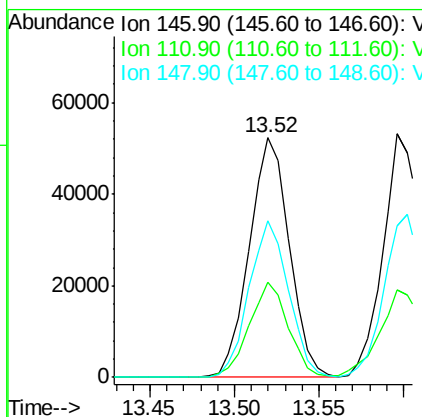
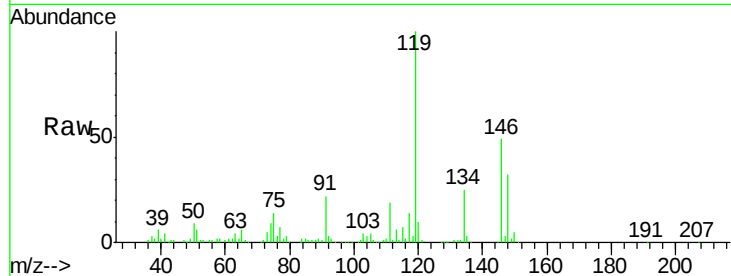
#87
 1,3-Dichlorobenzene
 Concen: 10.416 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
146	100	86185		
111	38.9	18.9	56.9	
148	64.8	31.8	95.3	

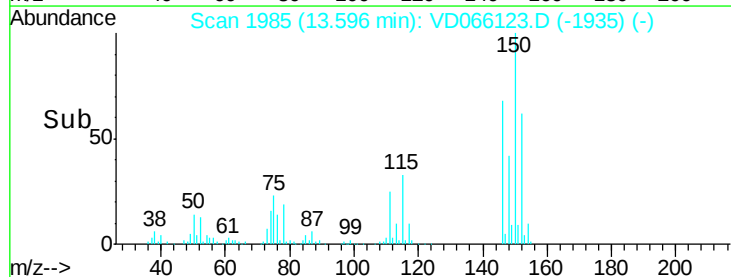
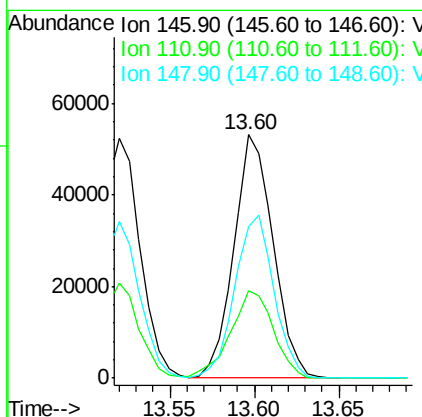
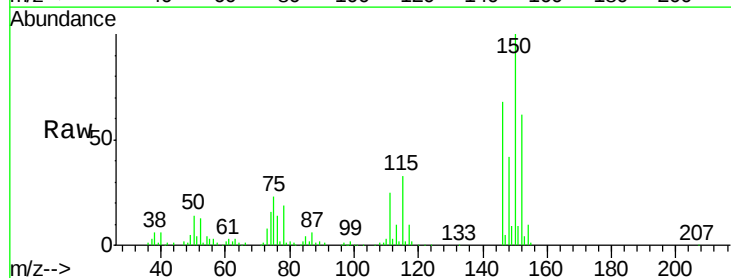
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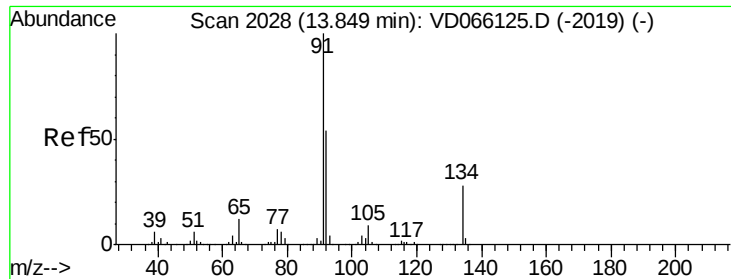
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#88
 1,4-Dichlorobenzene
 Concen: 10.476 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	86119		
111	39.3	18.6	55.8	
148	66.9	32.4	97.0	





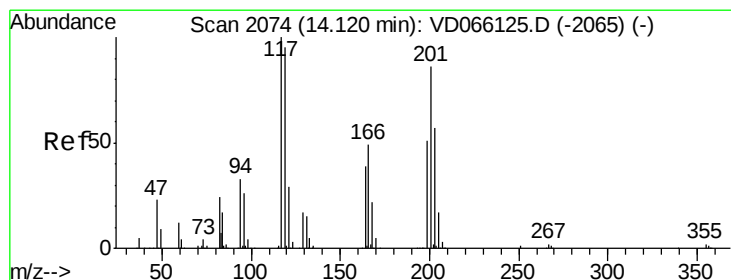
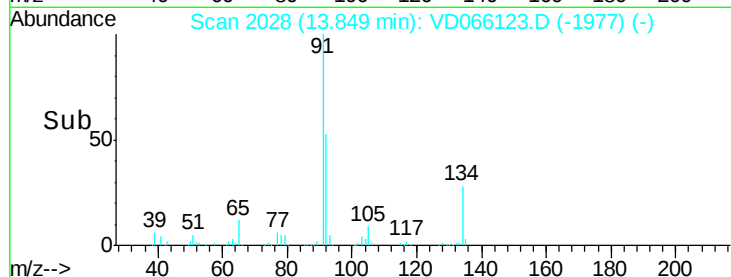
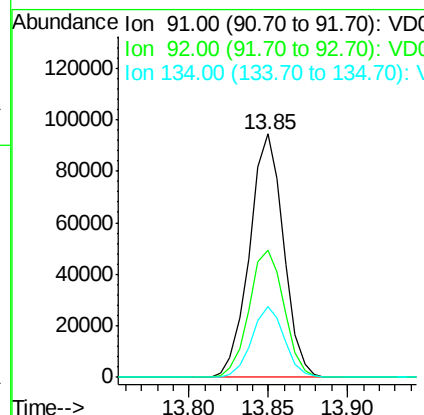
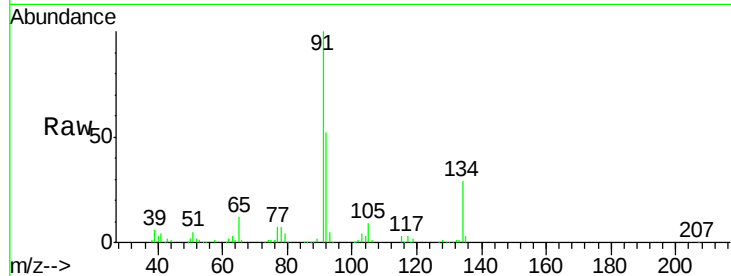
#89
n-Butylbenzene
Concen: 10.128 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.9	26.8	80.3	
134	27.7	14.0	41.9	

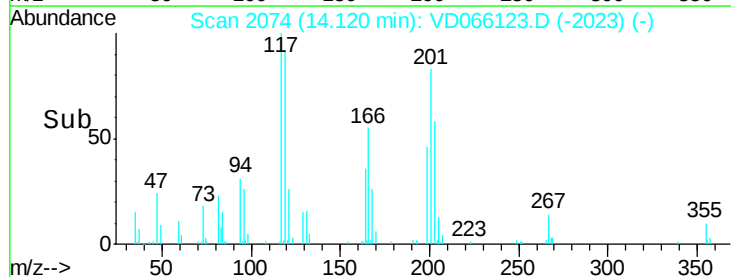
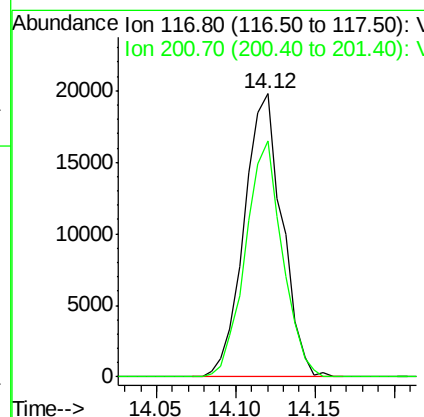
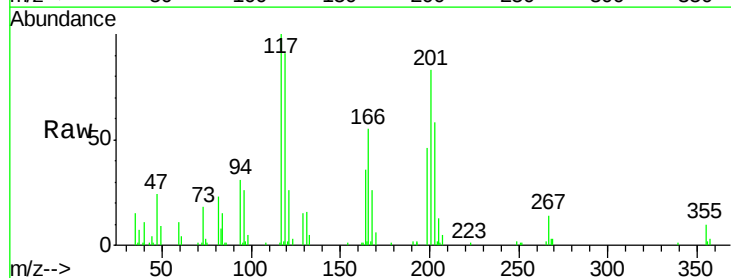
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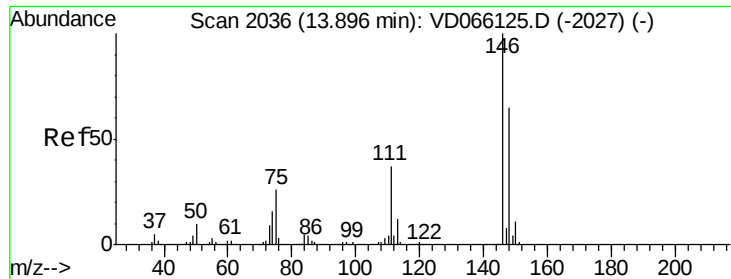
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#90
Hexachloroethane
Concen: 10.522 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.1	42.7	128.1	





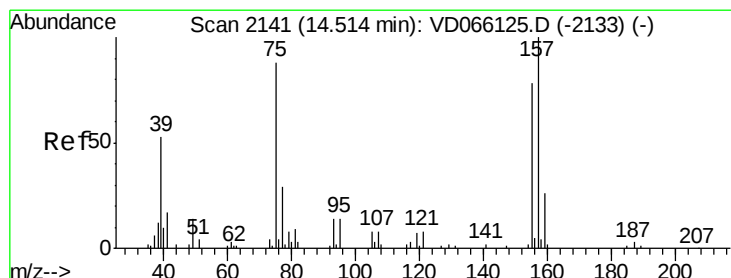
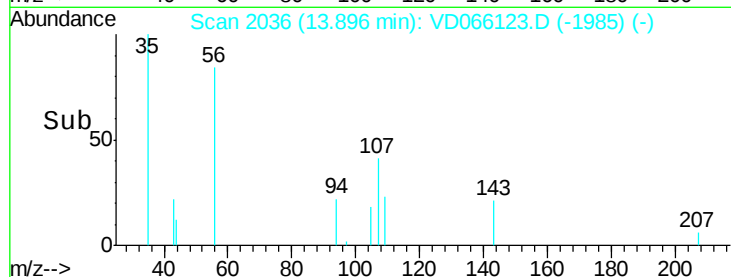
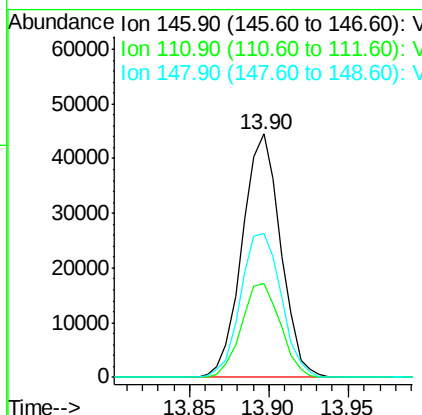
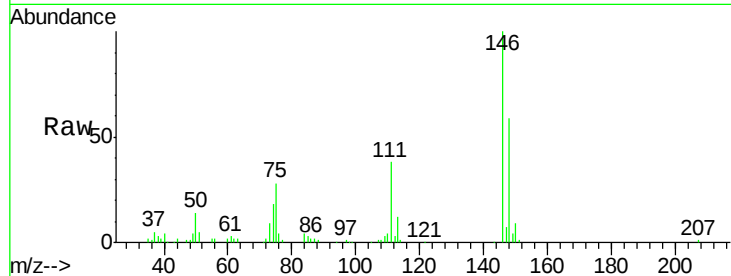
#91
 1,2-Dichlorobenzene
 Concen: 10.279 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.8	56.3
148	62.4	31.9	95.5

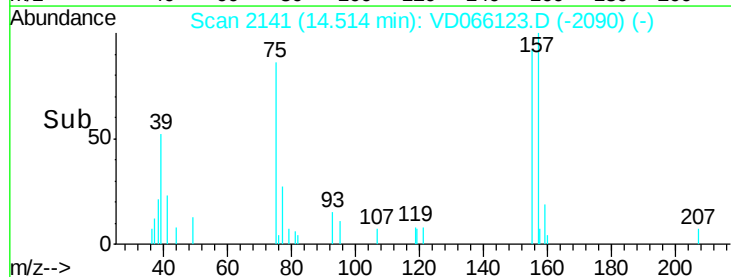
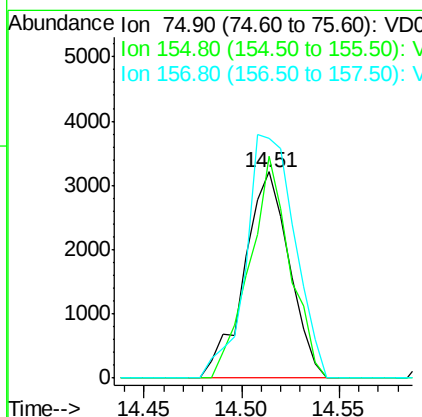
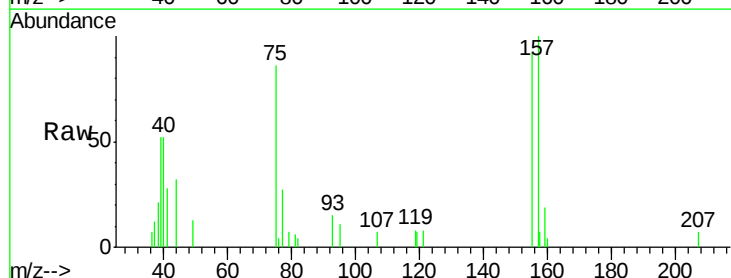
Manual Integrations
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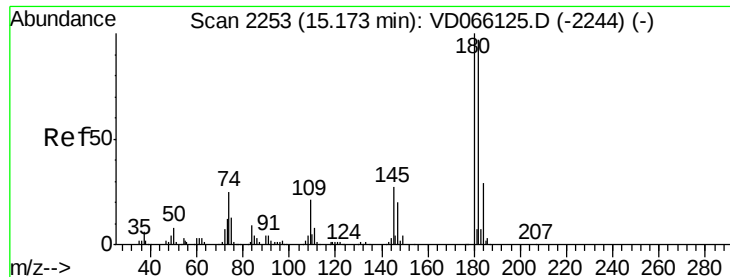
MMDadoda
 8/6/2020 1:54:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.417 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	47.7	143.1
157	127.9	62.1	186.2





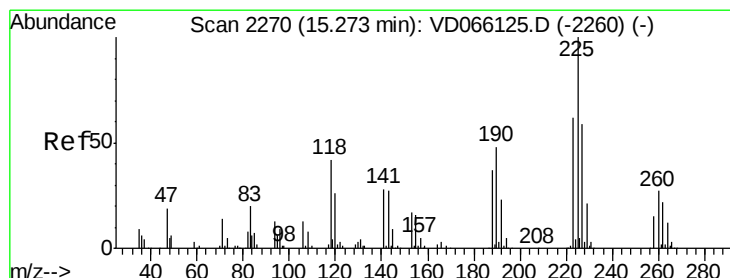
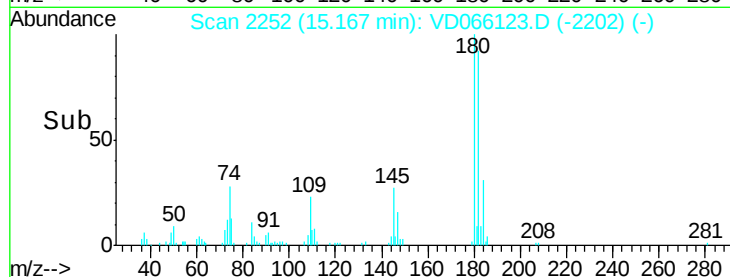
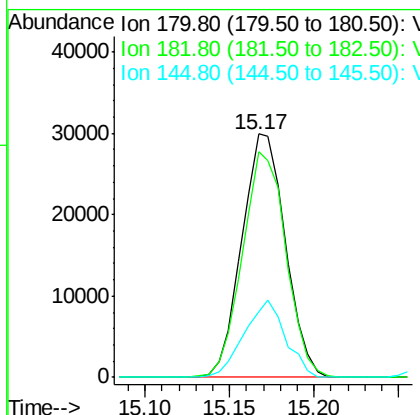
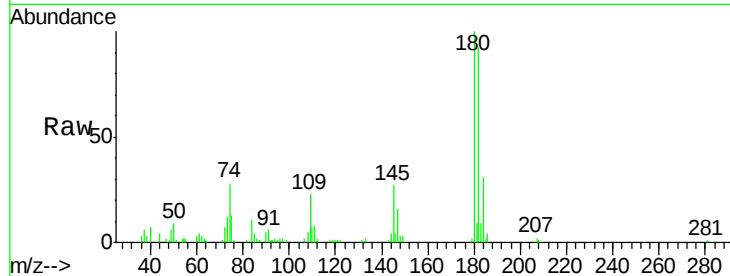
#93
 1,2,4-Trichlorobenzene
 Concen: 10.260 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	53736		
182	92.6		47.4	142.2
145	30.0		14.5	43.6

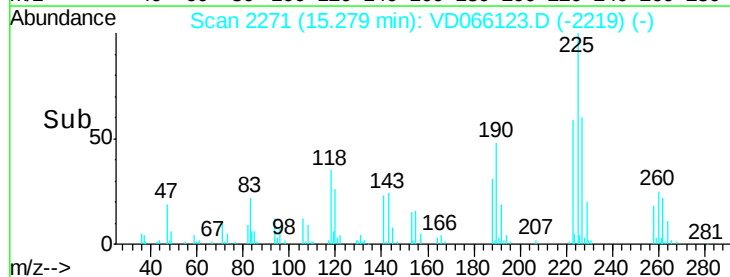
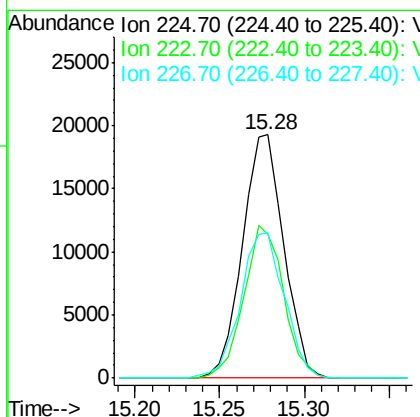
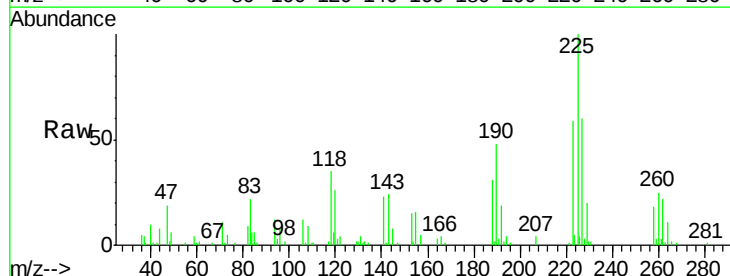
Manual Integrations
 APPROVED

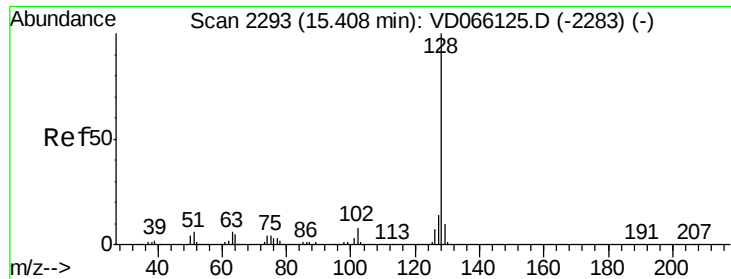
MMDadoda
 8/6/2020 1:54:14 PM



#94
 Hexachlorobutadiene
 Concen: 10.540 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066123.D
 Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32779		
223	60.2		32.3	96.9
227	63.5		32.1	96.5





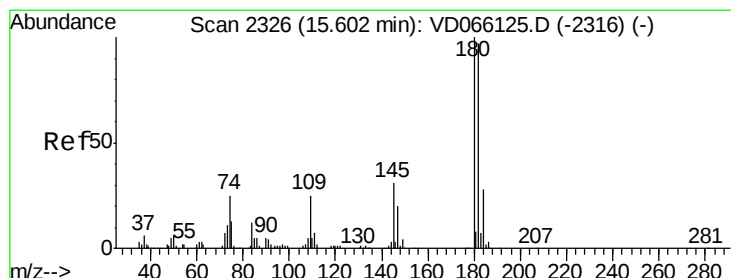
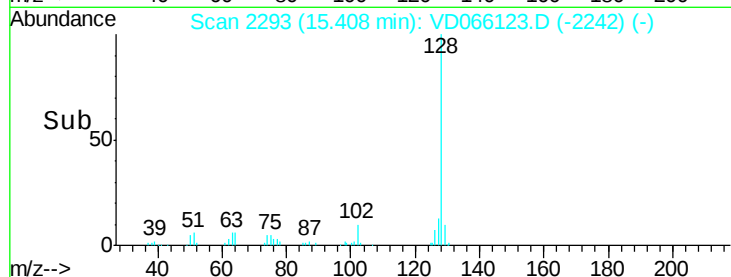
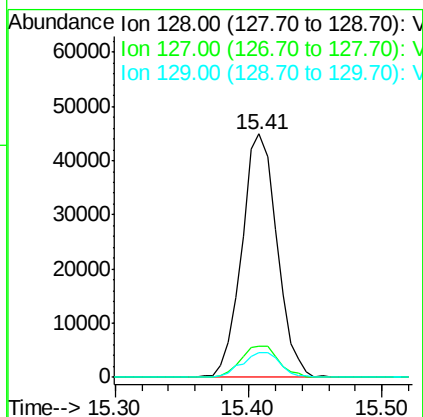
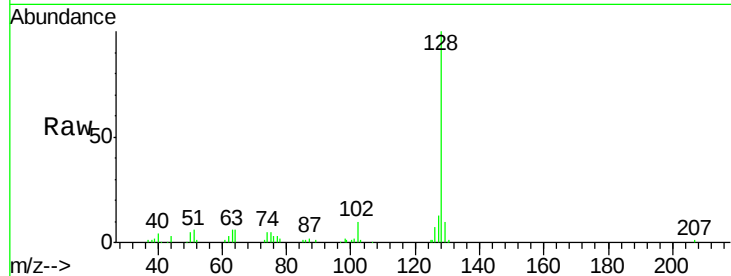
#95
Naphthalene
Concen: 9.890 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.4
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.936 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066123.D
Acq: 05 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.1	141.4
145	30.5	14.9	44.9

