

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066104.D
 Acq On : 30 Jul 2020 11:45
 Operator : VA/SY
 Sample : VD0730SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 11:56:14 AM

Quant Time: Jul 31 02:39:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	222236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	306564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	291308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161972	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	103451	57.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.42%	
35) Dibromofluoromethane	7.91	113	102243	54.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.98%	
50) Toluene-d8	10.34	98	383979	55.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.86%	
62) 4-Bromofluorobenzene	12.64	95	136875	56.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	40067	23.757	ug/l	96
3) Chloromethane	2.21	50	28437	20.661	ug/l	93
4) Vinyl Chloride	2.35	62	28783	21.960	ug/l	96
5) Bromomethane	2.76	94	20801	19.507	ug/l	96
6) Chloroethane	2.92	64	18016	23.026	ug/l	96
7) Trichlorofluoromethane	3.27	101	74356	23.324	ug/l	98
8) Diethyl Ether	3.71	74	18364	20.840	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	43124	22.403	ug/l	99
10) Methyl Iodide	4.30	142	40390	25.923	ug/l	94
11) Tert butyl alcohol	5.21	59	13223	99.946	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	37037	20.157	ug/l	89
13) Acrolein	3.93	56	10792	70.835	ug/l	94
14) Allyl chloride	4.71	41	53905	18.767	ug/l	89
15) Acrylonitrile	5.42	53	34927	92.775	ug/l	98
16) Acetone	4.16	43	34788	95.042	ug/l	93
17) Carbon Disulfide	4.41	76	114192	19.159	ug/l	100
18) Methyl Acetate	4.71	43	15270	17.933	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	78702	20.847	ug/l	95
20) Methylene Chloride	4.96	84	48635	22.393	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	41306	19.890	ug/l	94
22) Diisopropyl ether	6.36	45	103207	18.913	ug/l	96
23) Vinyl Acetate	6.30	43	293993	95.530	ug/l	95
24) 1,1-Dichloroethane	6.27	63	69628	21.059	ug/l	94
25) 2-Butanone	7.21	43	45674	94.040	ug/l	92
26) 2,2-Dichloropropane	7.21	77	67949	22.853	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	46141	20.985	ug/l	98
28) Bromochloromethane	7.54	49	26869	19.147	ug/l	88
29) Tetrahydrofuran	7.56	42	26006	86.781	ug/l	94
30) Chloroform	7.71	83	76646	22.161	ug/l	99
31) Cyclohexane	7.98	56	61191	18.812	ug/l #	92
32) 1,1,1-Trichloroethane	7.90	97	75297	23.536	ug/l	99
36) 1,1-Dichloropropene	8.11	75	59021	22.558	ug/l	98
37) Ethyl Acetate	7.29	43	17253	17.267	ug/l	99
38) Carbon Tetrachloride	8.10	117	72959	25.700	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	69940	22.074	ug/l	97
40) Benzene	8.35	78	155525	21.247	ug/l	100
41) Methacrylonitrile	7.53	41	10668	18.637	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	48543	24.201	ug/l	97
43) Isopropyl Acetate	8.45	43	38176	19.562	ug/l	97
44) Trichloroethene	9.11	130	49009	22.126	ug/l	91
45) 1,2-Dichloropropane	9.39	63	36285	20.468	ug/l	96
46) Dibromomethane	9.47	93	20969	21.972	ug/l	96
47) Bromodichloromethane	9.66	83	57854	22.927	ug/l	90
48) Methyl methacrylate	9.46	41	18321	18.611	ug/l #	82
49) 1,4-Dioxane	9.46	88	4161	376.338	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	95714	97.339	ug/l	98
52) Toluene	10.40	92	110731	23.197	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	54670	23.255	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	63368	22.237	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	30417	22.473	ug/l	94
56) Ethyl methacrylate	10.66	69	34290	21.790	ug/l #	94
57) 1,3-Dichloropropane	10.95	76	48966	21.854	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	87299	116.130	ug/l	97
59) 2-Hexanone	10.98	43	71435	104.832	ug/l	99
60) Dibromochloromethane	11.14	129	44105	24.168	ug/l	99
61) 1,2-Dibromoethane	11.25	107	29584	22.669	ug/l	100
64) Tetrachloroethene	10.88	164	45489	23.007	ug/l	95
65) Chlorobenzene	11.67	112	121711	22.819	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	47365	24.050	ug/l	97
67) Ethyl Benzene	11.75	91	210261	22.907	ug/l	97
68) m/p-Xylenes	11.86	106	165222	46.832	ug/l	97
69) o-Xylene	12.18	106	75592	23.558	ug/l	100
70) Styrene	12.20	104	130657	23.699	ug/l	99
71) Bromoform	12.36	173	27237	23.610	ug/l #	98
73) Isopropylbenzene	12.48	105	213832	21.818	ug/l	99
74) N-amyl acetate	12.29	43	37301	18.356	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	30778	19.002	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	28533m	23.396	ug/l	
77) Bromobenzene	12.77	156	52929	21.131	ug/l	93
78) n-propylbenzene	12.83	91	248490	21.849	ug/l	100
79) 2-Chlorotoluene	12.91	91	137319	21.134	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	181257	22.510	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11093	20.872	ug/l	100
82) 4-Chlorotoluene	13.01	91	149201	21.755	ug/l	100
83) tert-Butylbenzene	13.23	119	153421	21.774	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	181837	22.889	ug/l	94
85) sec-Butylbenzene	13.41	105	212196	21.864	ug/l	99
86) p-Isopropyltoluene	13.53	119	205012	23.251	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	105147	22.610	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	103335	21.981	ug/l	99
89) n-Butylbenzene	13.85	91	178752	21.803	ug/l	99
90) Hexachloroethane	14.12	117	39577	21.682	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	90852	22.545	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5325	20.060	ug/l	97

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ALS Vial : 5 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :
VD0730SBSD01

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	64847	22.419	ug/l	97
94) Hexachlorobutadiene	15.28	225	40526	22.662	ug/l	94
95) Naphthalene	15.41	128	98827	21.397	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	56773	22.577	ug/l	99

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

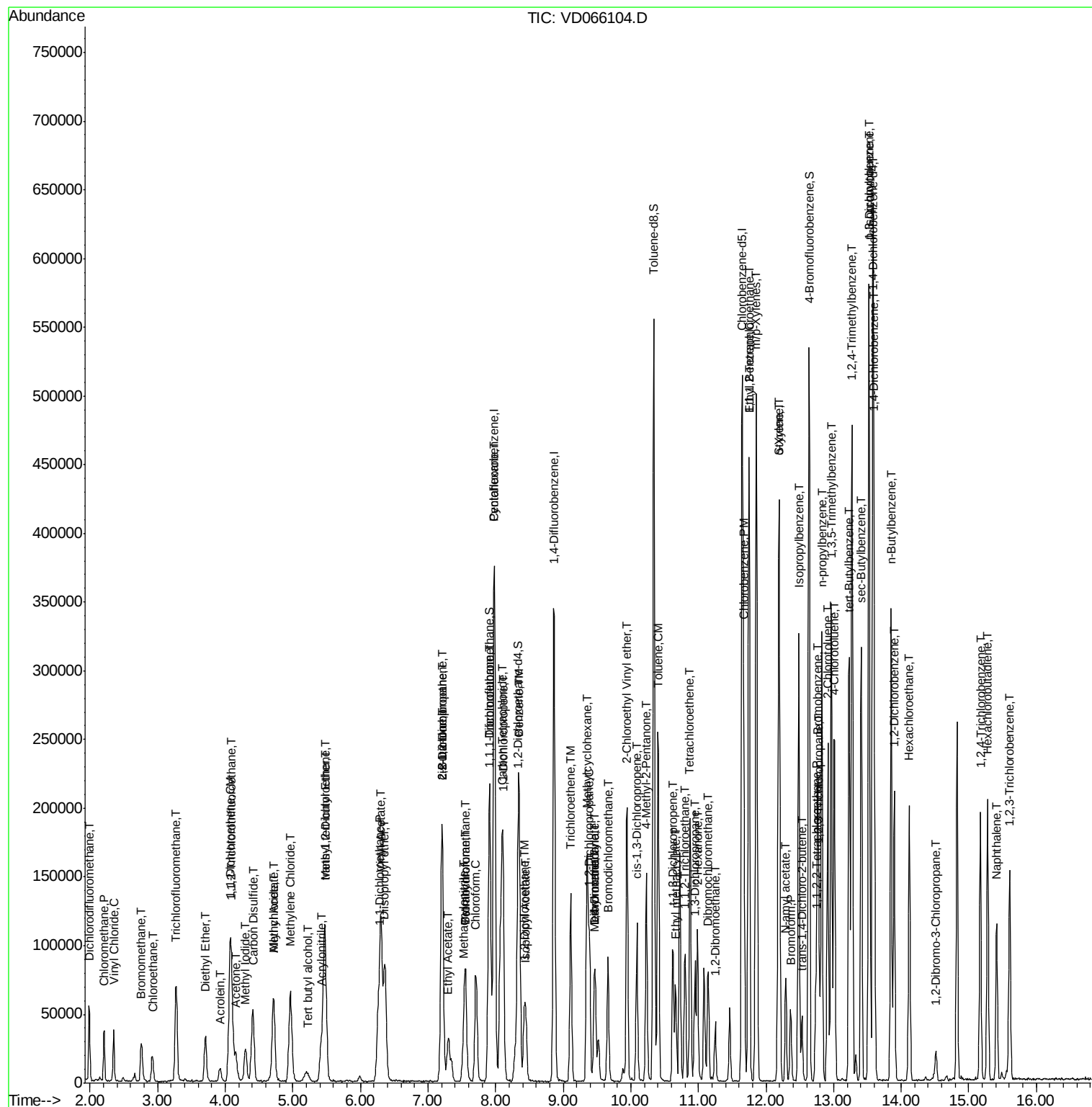
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 Data File : VD066104.D
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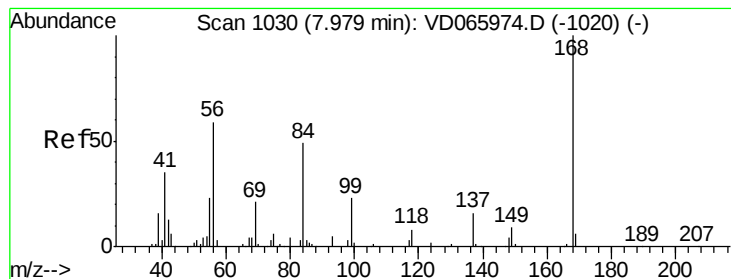
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion:168 Resp: 222236

Ion Ratio Lower Upper

168 100

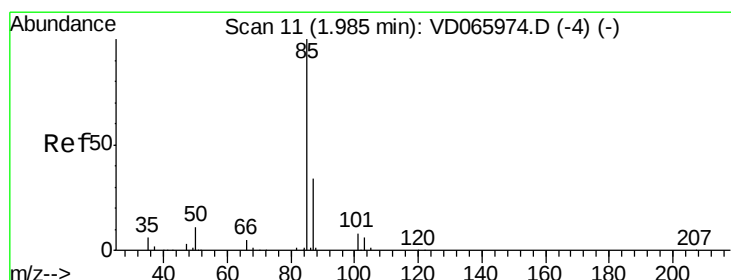
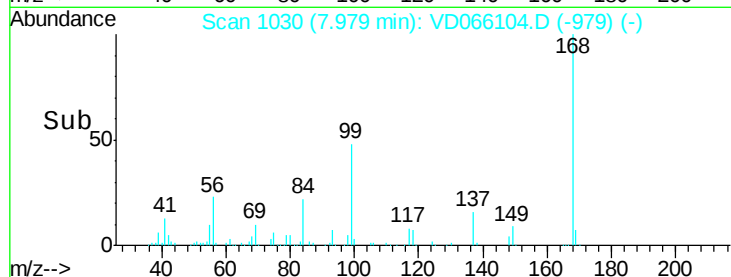
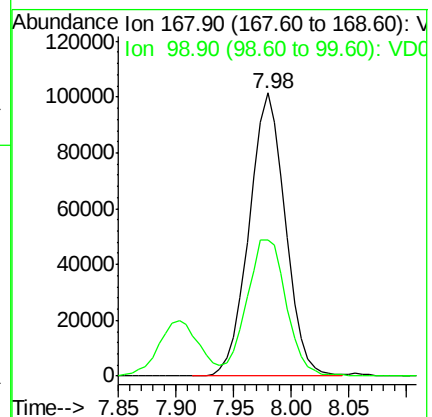
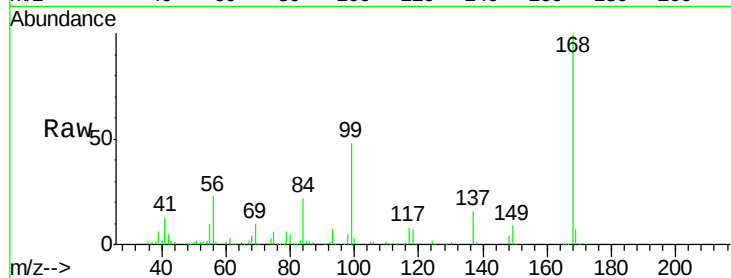
99 47.7 40.8 61.2

Manual Integrations

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7/31/2020 11:56:14 AM



#2

Dichlorodifluoromethane

Concen: 23.757 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066104.D

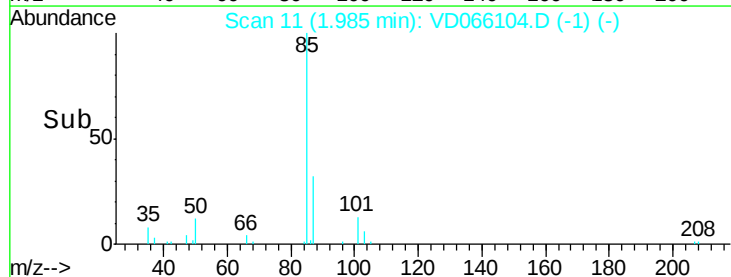
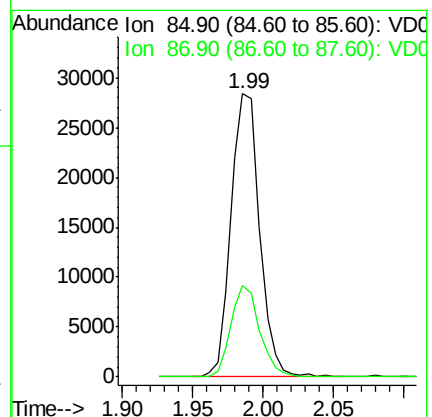
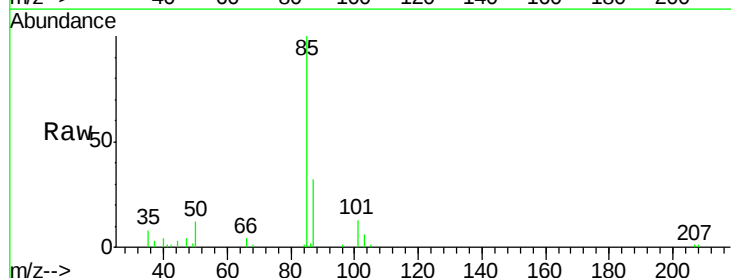
Acq: 30 Jul 2020 11:45

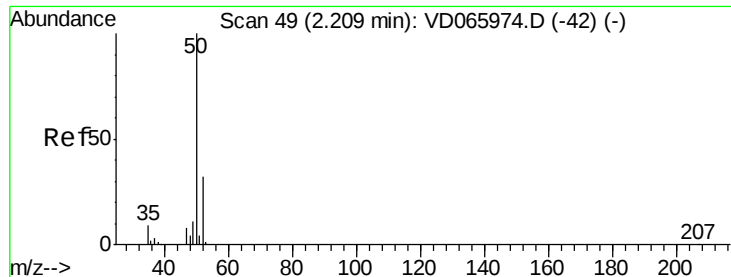
Tgt Ion: 85 Resp: 40067

Ion Ratio Lower Upper

85 100

87 32.5 17.3 51.7





#3

Chloromethane

Concen: 20.661 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 50 Resp: 28437

Ion Ratio Lower Upper

50 100

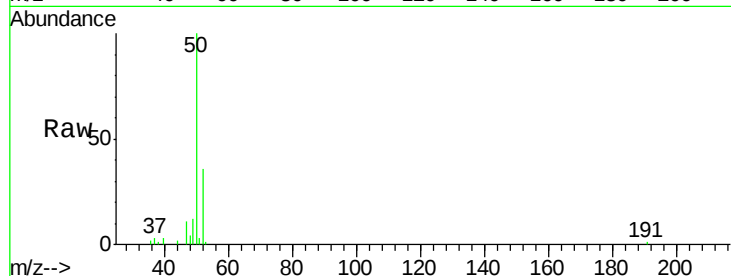
52 36.3 25.8 38.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

25000

20000

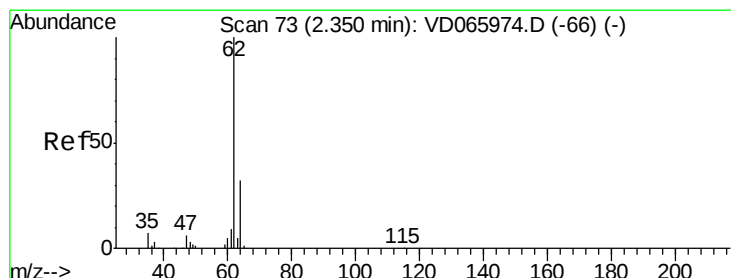
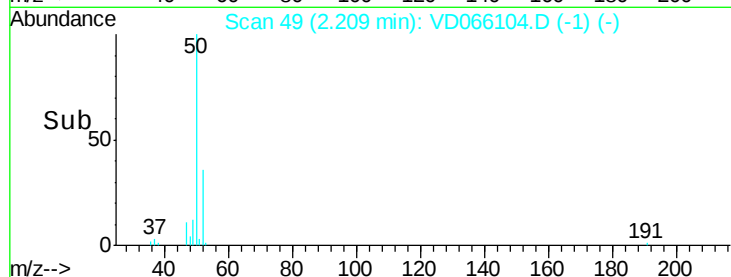
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 21.960 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066104.D

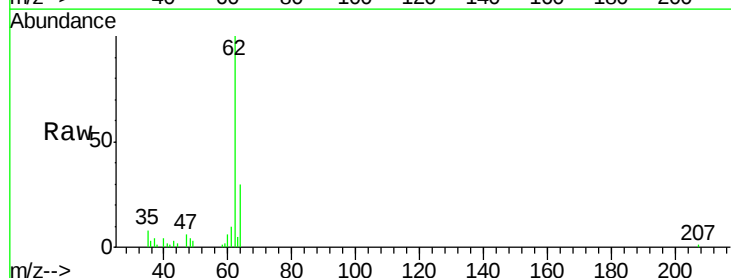
Acq: 30 Jul 2020 11:45

Tgt Ion: 62 Resp: 28783

Ion Ratio Lower Upper

62 100

64 30.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

20000

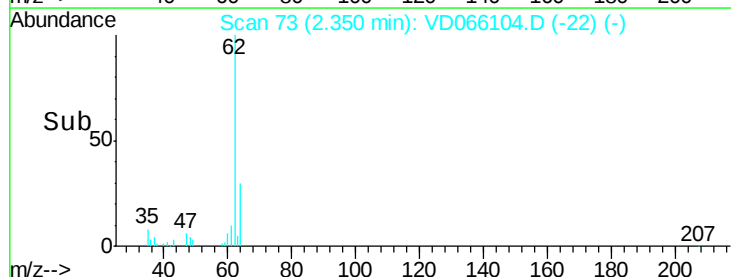
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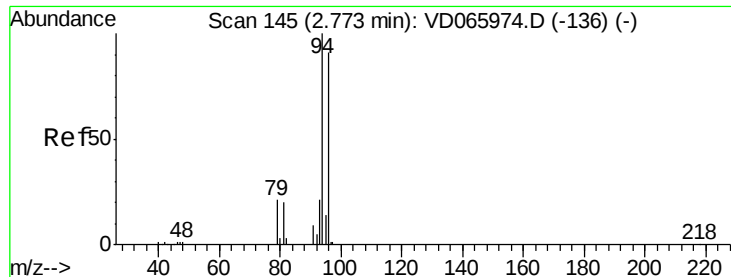
10000

5000

0

Time-->





#5

Bromomethane

Concen: 19.507 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 94 Resp: 20801

Ion Ratio Lower Upper

94 100

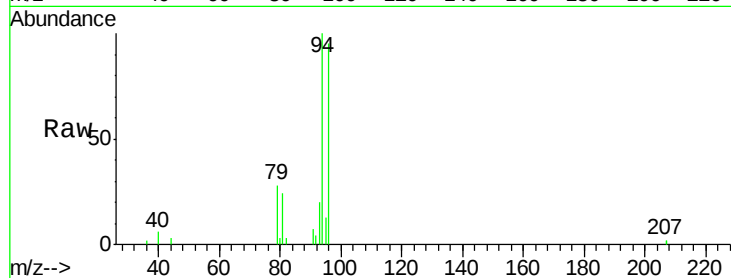
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Manual Integrations

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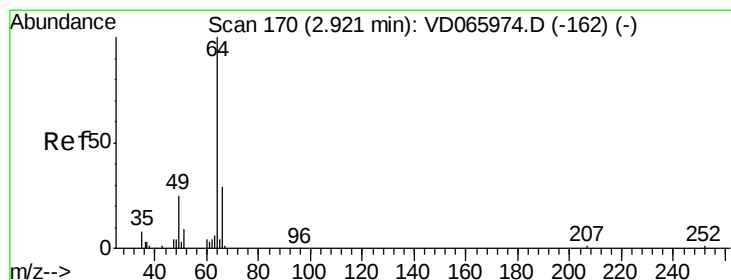
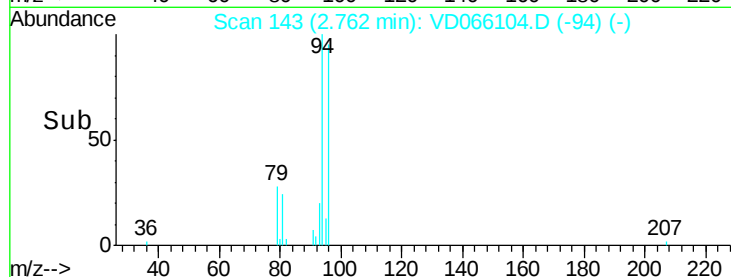
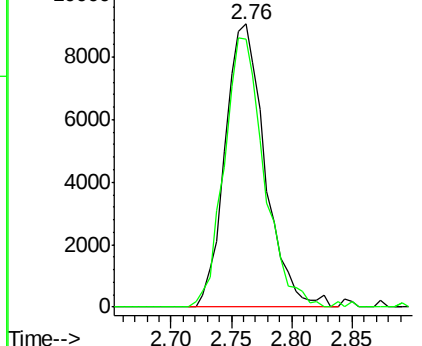
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.026 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066104.D

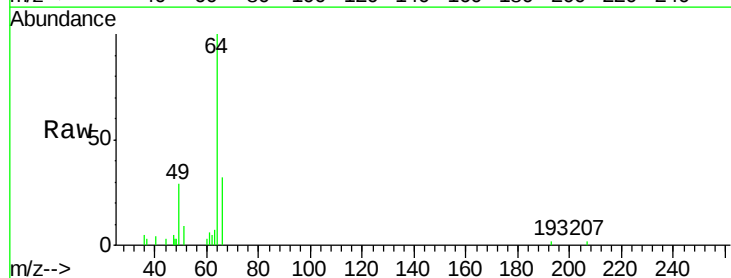
Acq: 30 Jul 2020 11:45

Tgt Ion: 64 Resp: 18016

Ion Ratio Lower Upper

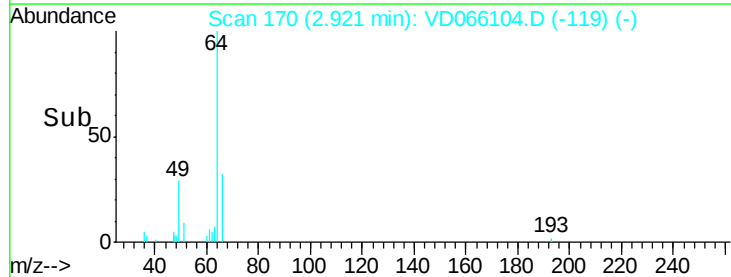
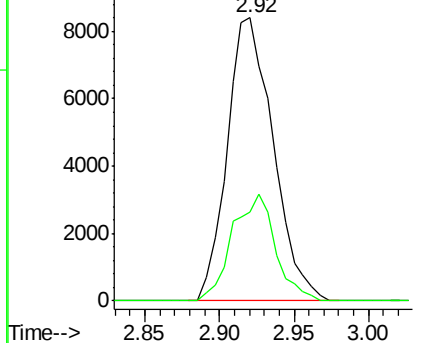
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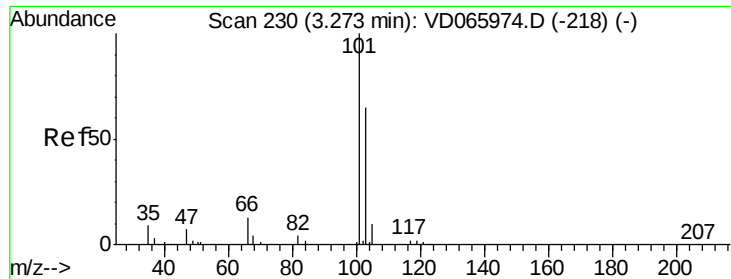
66 31.6 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

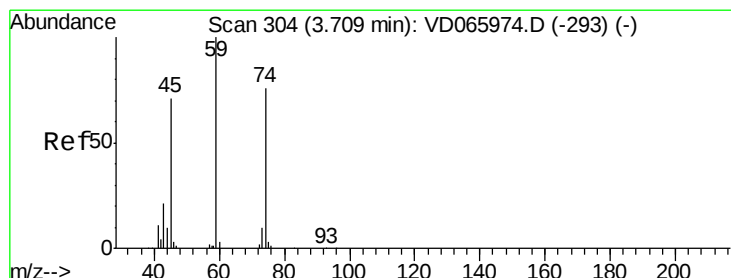
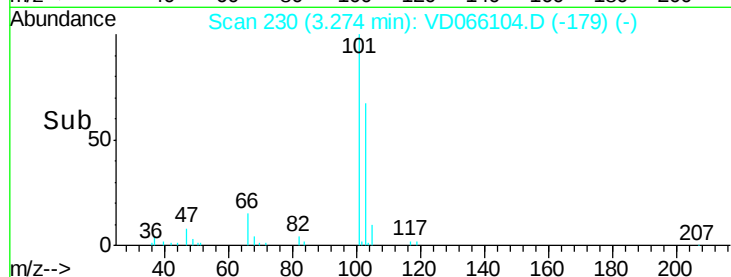
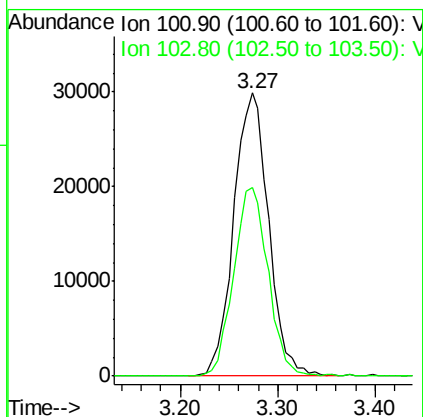
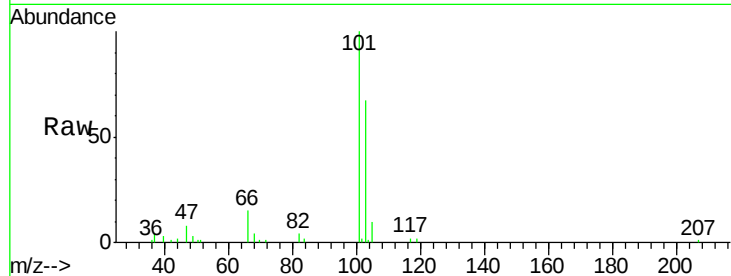
Trichlorofluoromethane
 Concen: 23.324 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.1	78.1

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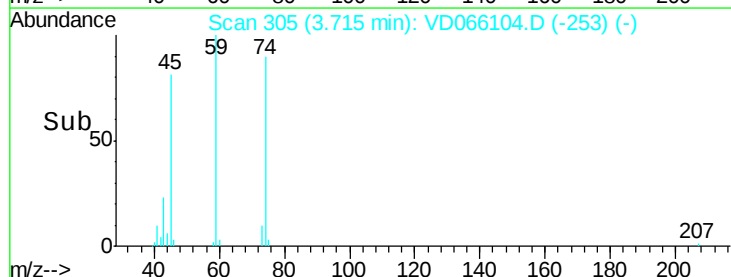
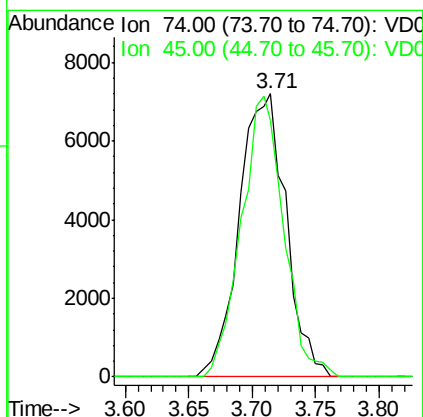
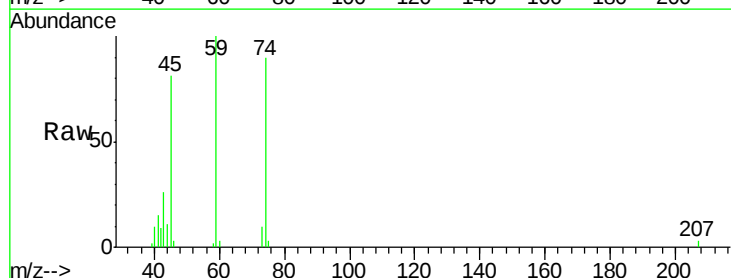
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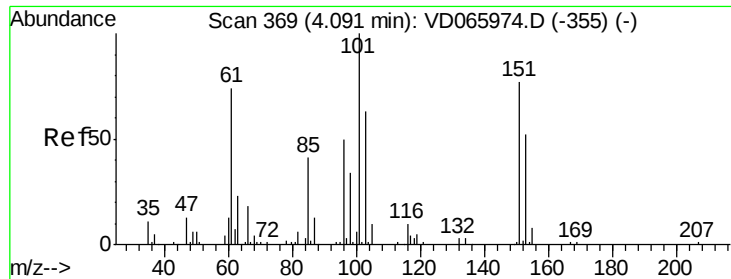


#8

Diethyl Ether
 Concen: 20.840 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.6	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.403 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

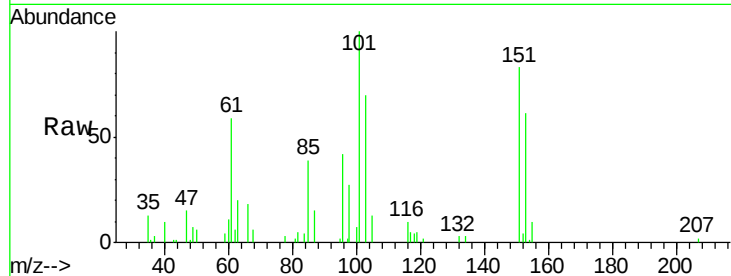
ClientSampleId :

VD0730SBS01

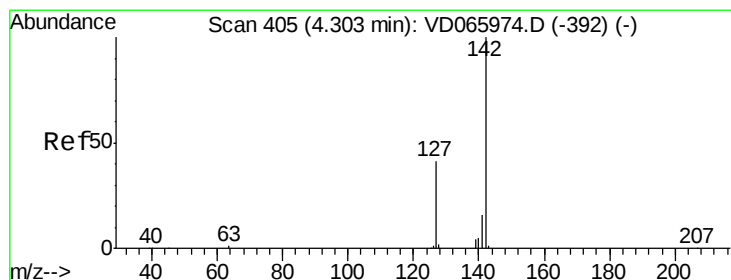
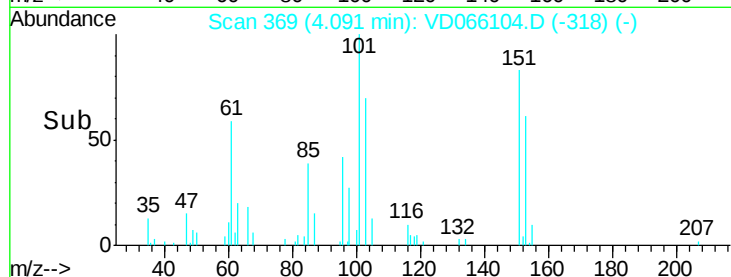
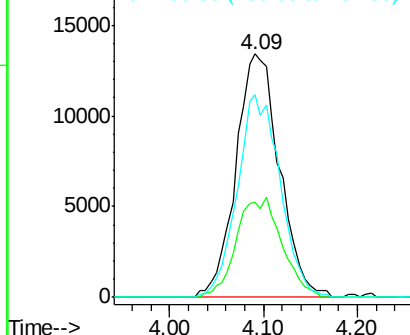
Tot Ion:	101	Resp:	43124
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.6	50.4
151	82.0	66.6	99.8

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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: 25.923 ug/l

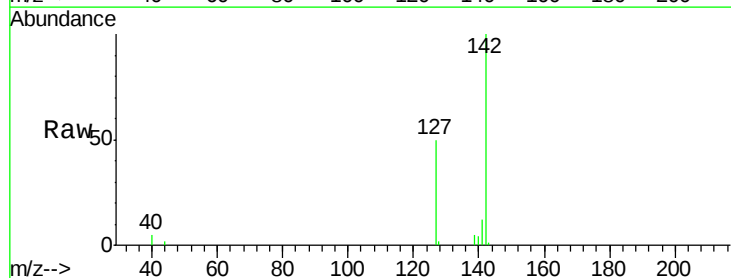
RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

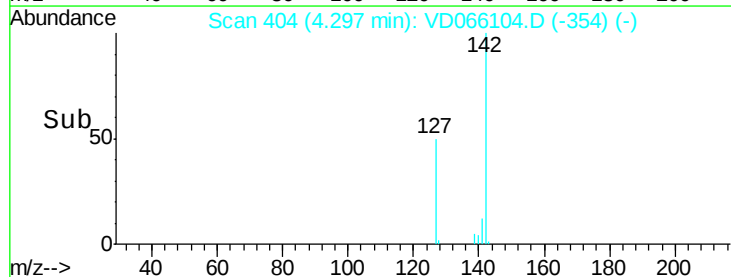
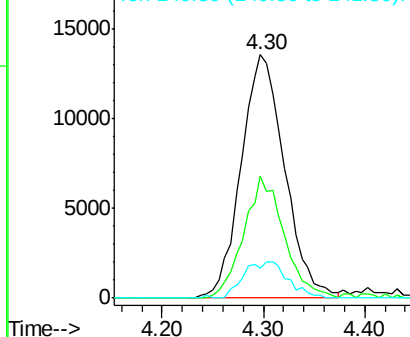
Lab File: VD066104.D

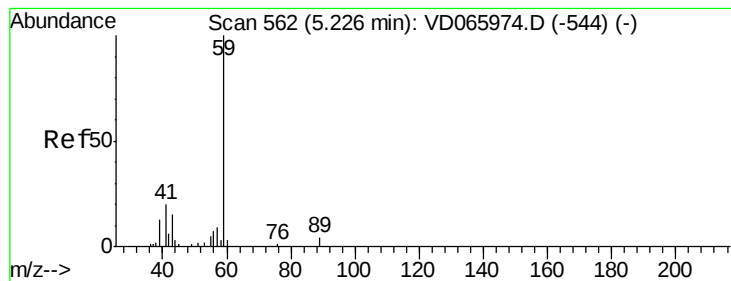
Acq: 30 Jul 2020 11:45

Tgt Ion:	142	Resp:	40390
Ion Ratio	Lower	Upper	
142	100		
127	46.3	32.9	49.3
141	15.2	11.8	17.6



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

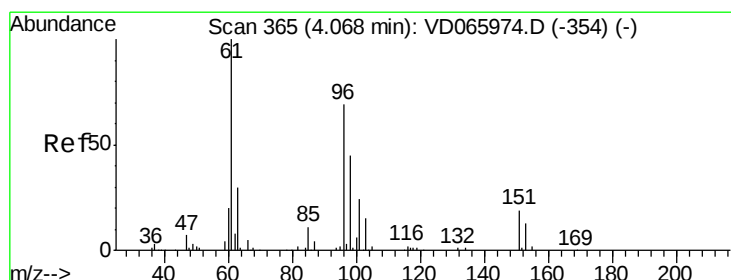
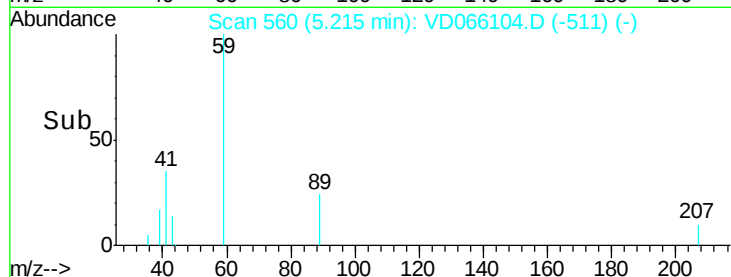
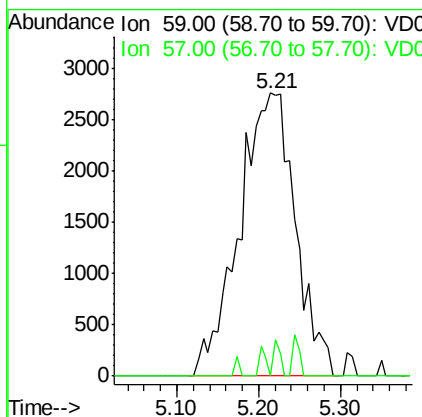
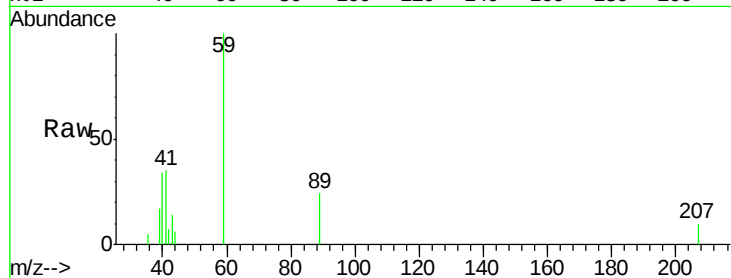
Tert butyl alcohol
Concen: 99.946 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.5	6.7#

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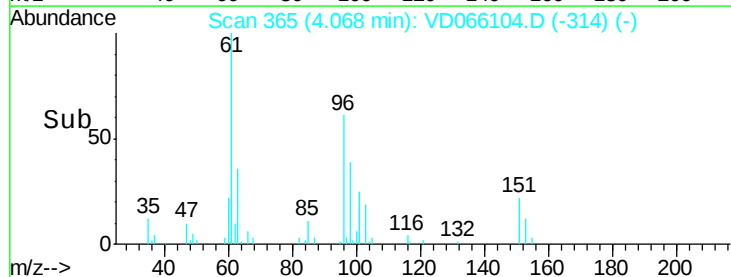
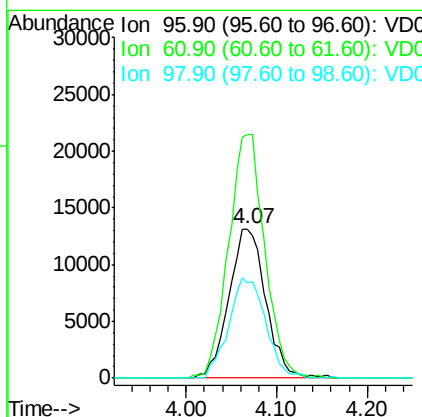
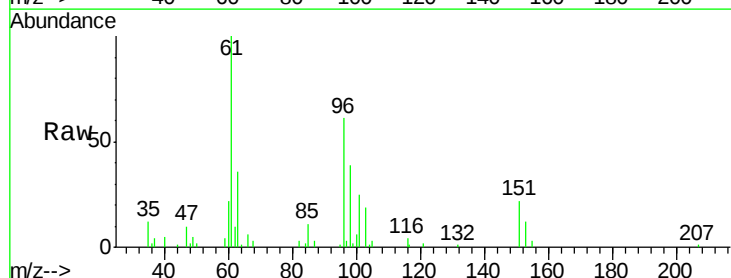
MMDadoda
7/31/2020 11:56:14 AM

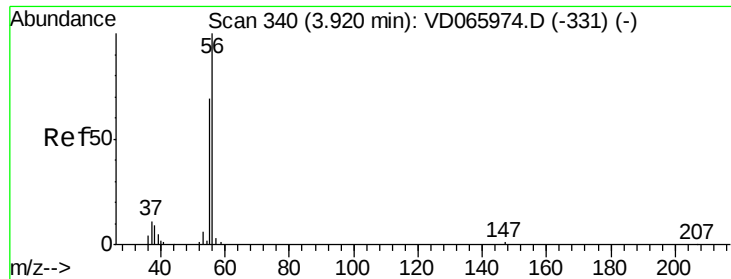


#12

1,1-Dichloroethene
Concen: 20.157 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.2	115.4	173.0
98	64.0	51.5	77.3





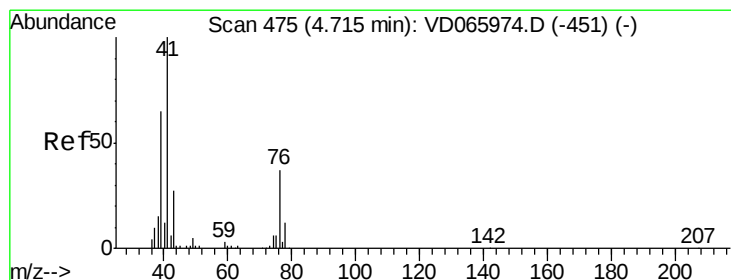
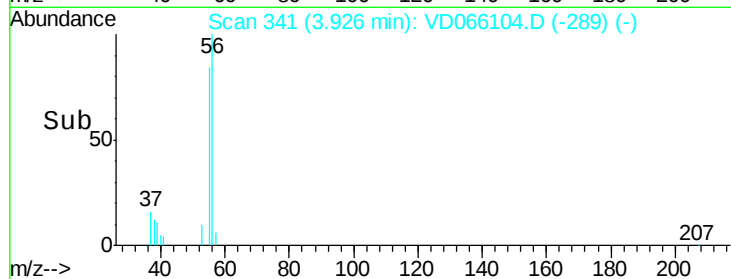
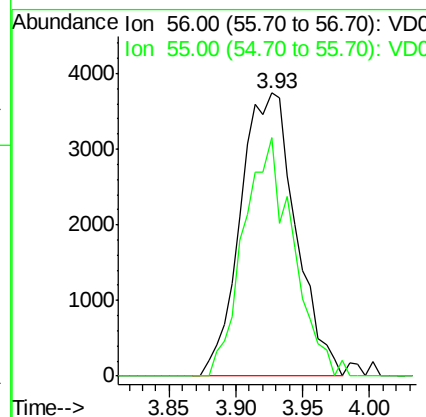
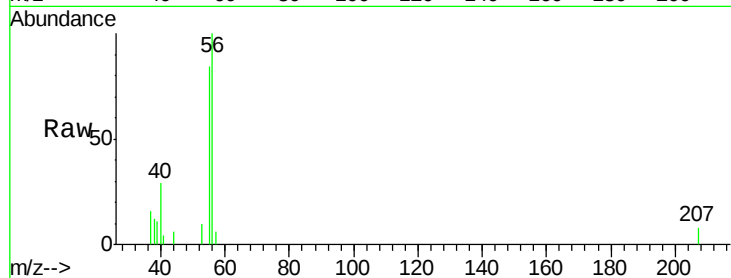
#13
Acrolein
Concen: 70.835 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	56	Resp	10792
Ion Ratio	100	Lower	Upper
55	74.9	55.8	83.8

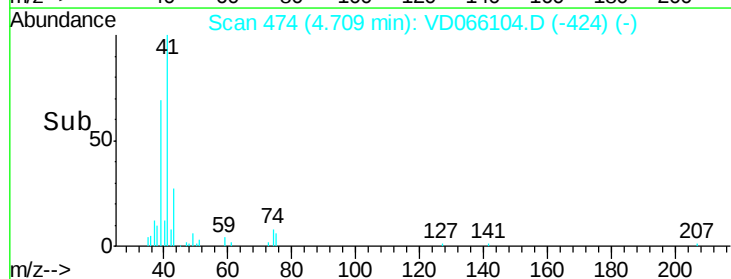
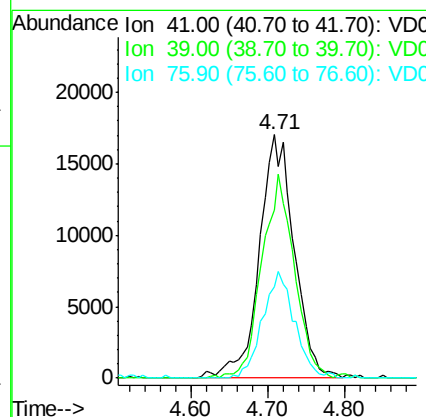
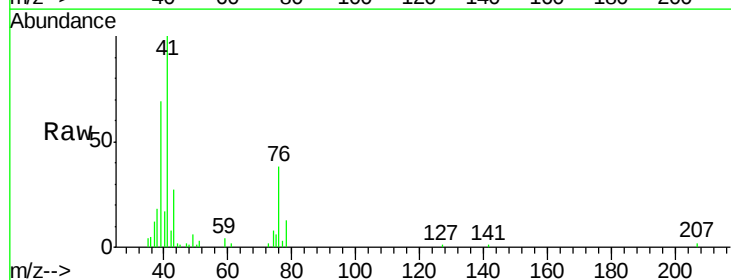
Manual Integrations
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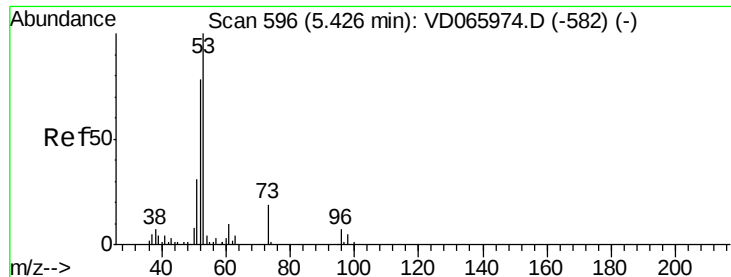
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#14
Allyl chloride
Concen: 18.767 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	41	Resp	53905
Ion Ratio	100	Lower	Upper
39	77.6	53.4	80.2
76	40.2	29.1	43.7





#15

Acrylonitrile

Concen: 92.775 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

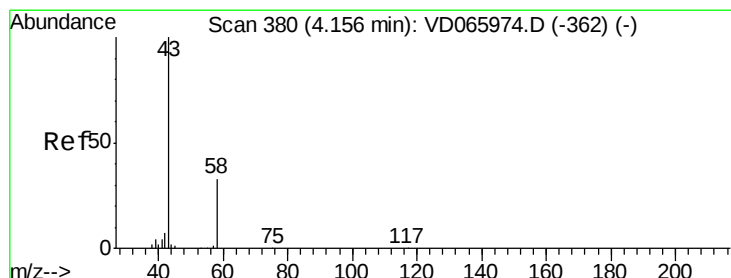
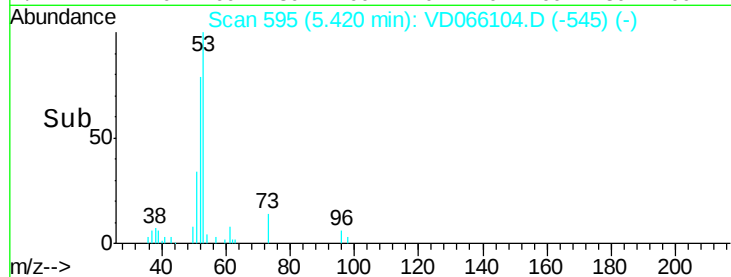
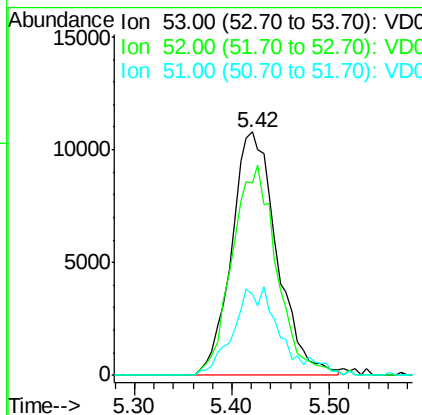
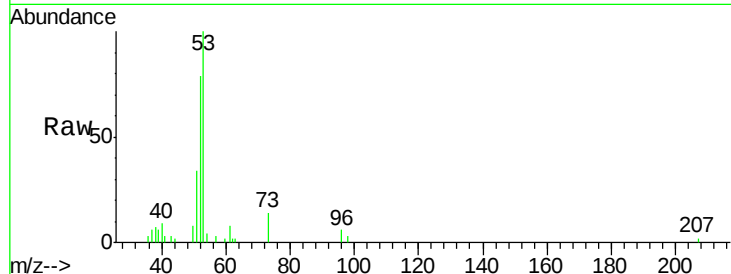
ClientSampleId :

VD0730SBS01

Tot Ion:	53	Resp:	34927
Ion Ratio	Lower	Upper	
53	100		
52	84.9	67.1	100.7
51	38.1	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 95.042 ug/l

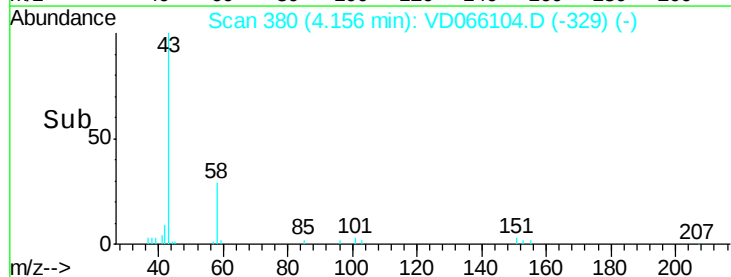
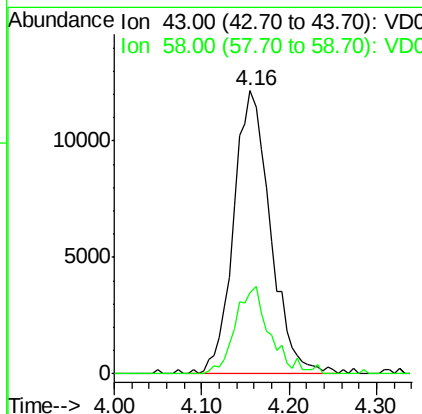
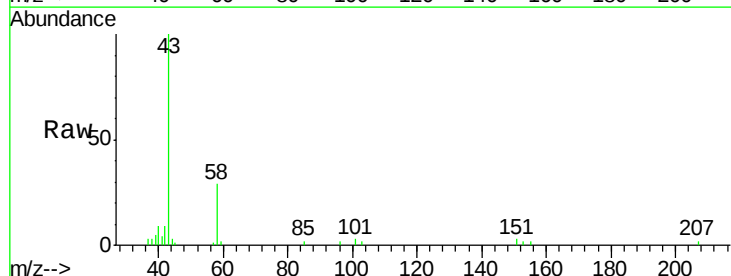
RT: 4.16 min Scan# 380

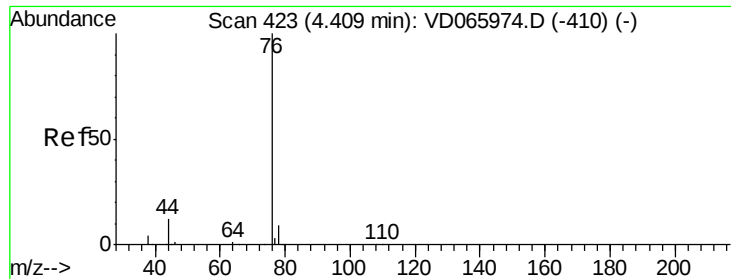
Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Tgt Ion:	43	Resp:	34788
Ion Ratio	Lower	Upper	
43	100		
58	28.8	26.3	39.5





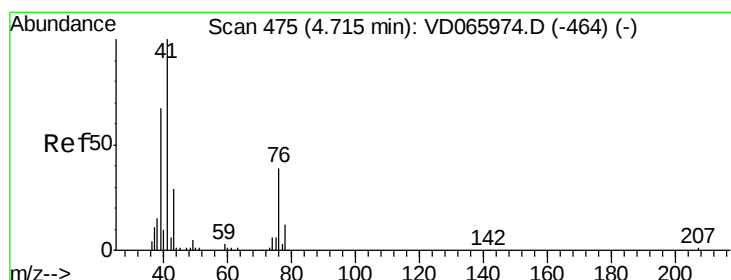
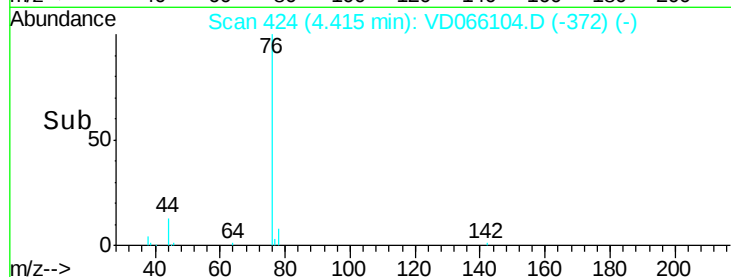
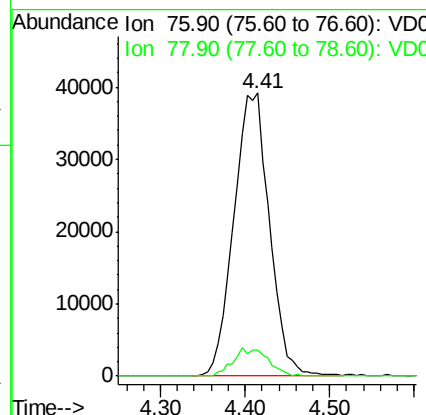
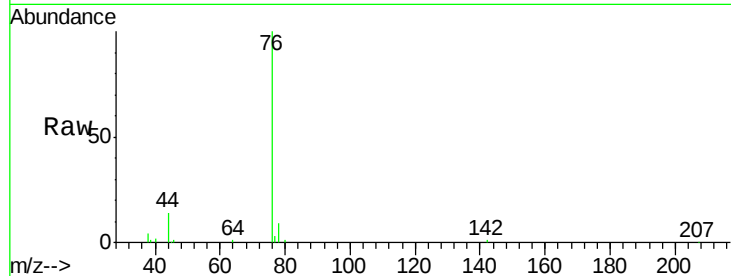
#17
Carbon Disulfide
Concen: 19.159 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

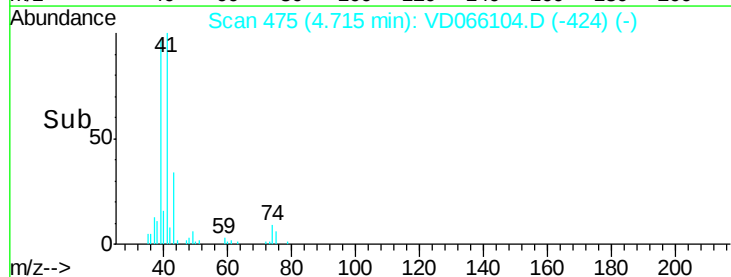
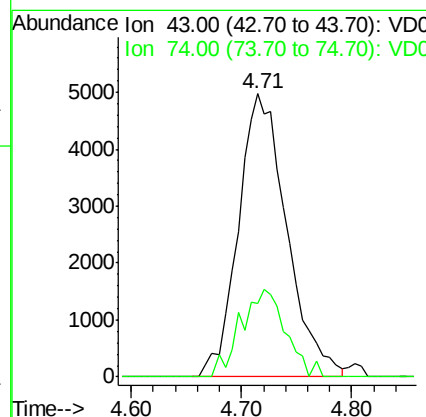
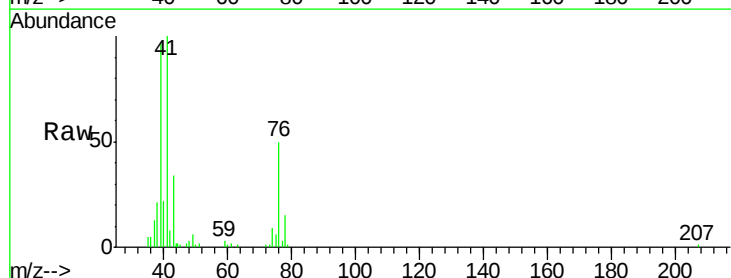
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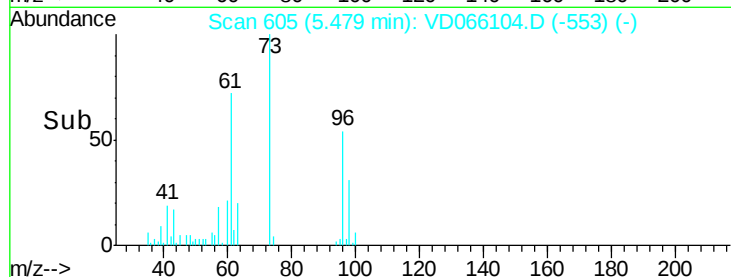
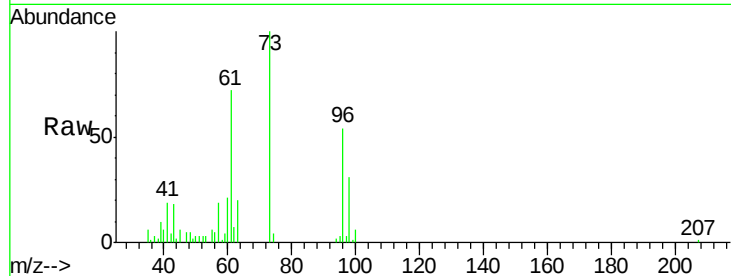
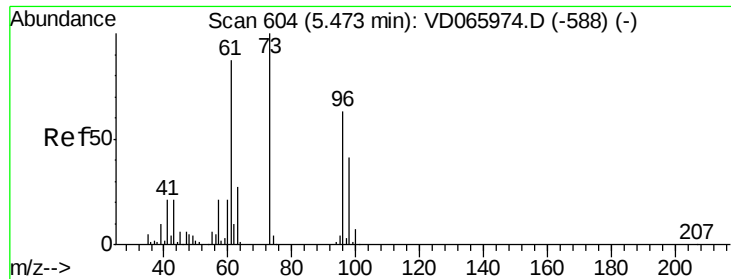
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#18
Methyl Acetate
Concen: 17.933 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.6	19.2	28.8





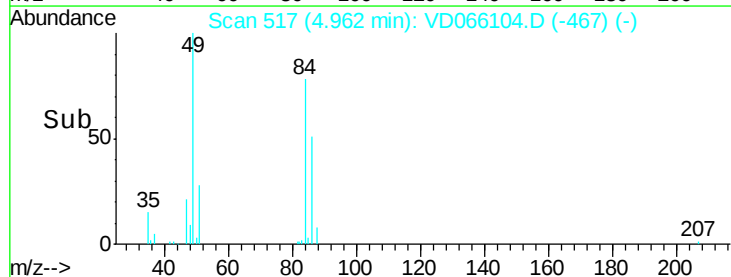
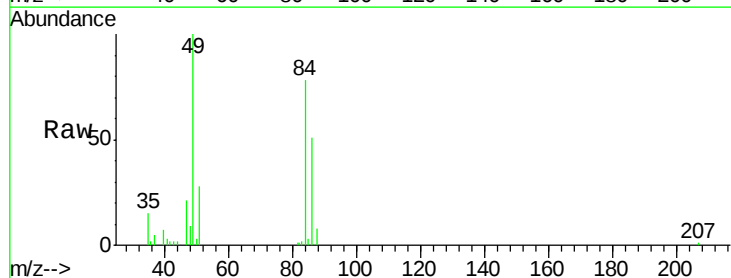
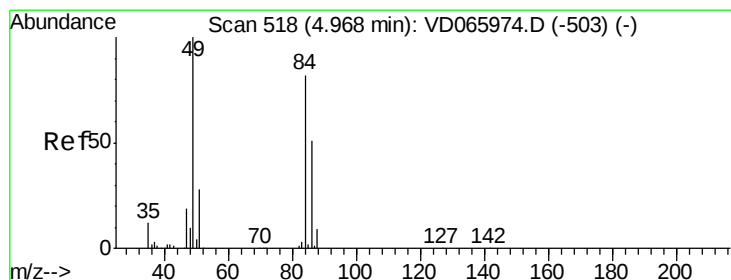
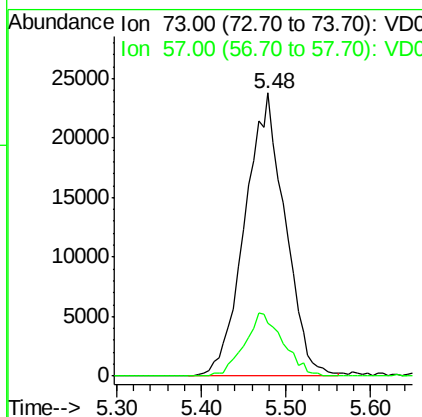
#19
Methyl tert-butyl Ether
Concen: 20.847 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tot Ion: 73 Resp: 78702
Ion Ratio Lower Upper
73 100
57 18.9 17.0 25.4

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

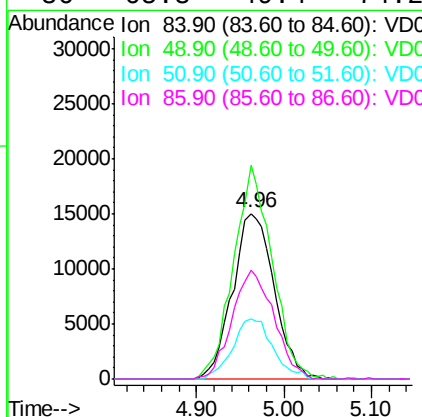
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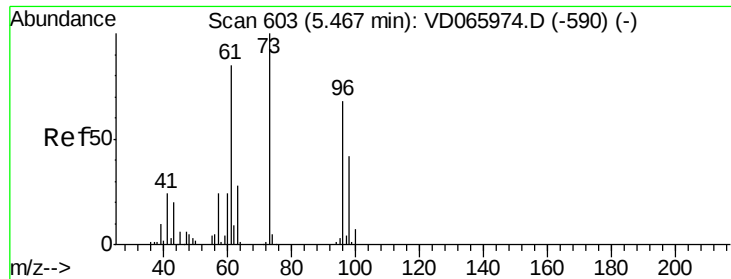
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#20
Methylene Chloride
Concen: 22.393 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion: 84 Resp: 48635
Ion Ratio Lower Upper
84 100
49 128.8 97.7 146.5
51 36.4 27.4 41.2
86 65.8 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 19.890 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

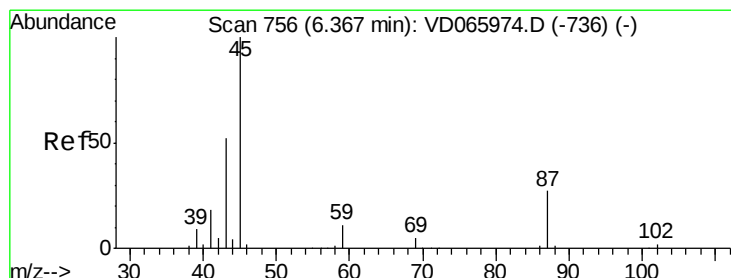
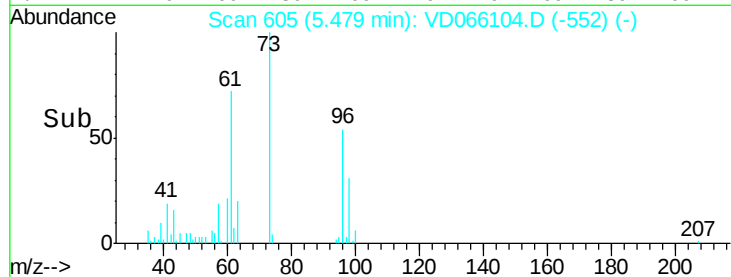
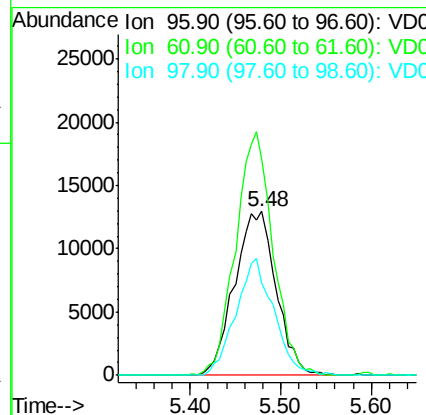
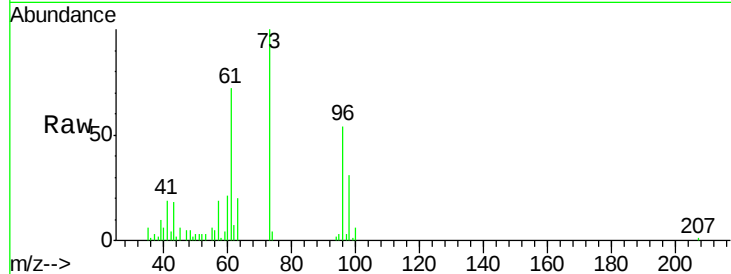
ClientSampleId :

VD0730SBS01

Tot Ion:	96	Resp:	41306
Ion	Ratio	Lower	Upper
96	100		
61	132.5	100.5	150.7
98	56.7	49.7	74.5

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#22

Diisopropyl ether

Concen: 18.913 ug/l

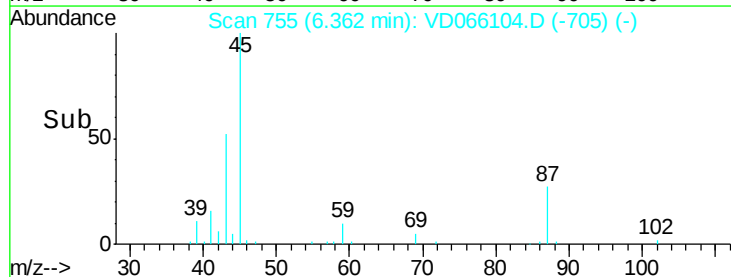
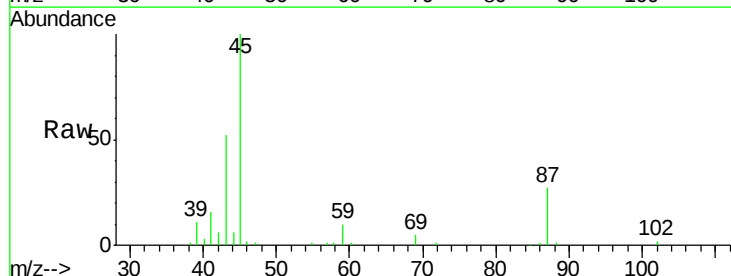
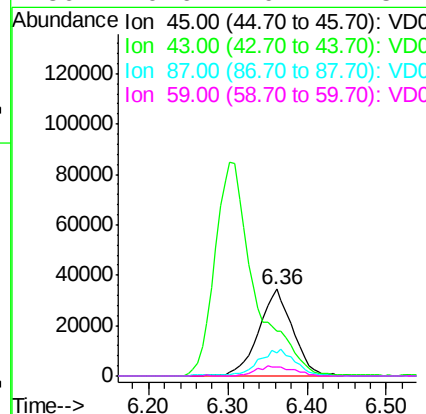
RT: 6.36 min Scan# 755

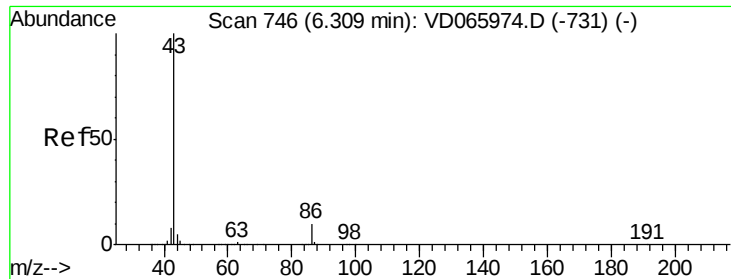
Delta R.T. -0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Tgt Ion:	45	Resp:	103207
Ion	Ratio	Lower	Upper
45	100		
43	50.4	43.0	64.4
87	26.8	22.0	33.0
59	9.6	9.1	13.7





#23

Vinyl Acetate

Concen: 95.530 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

ClientSampleID :

VD0730SBS01

Tot Ion: 43 Resp: 293993

Ion Ratio Lower Upper

43 100

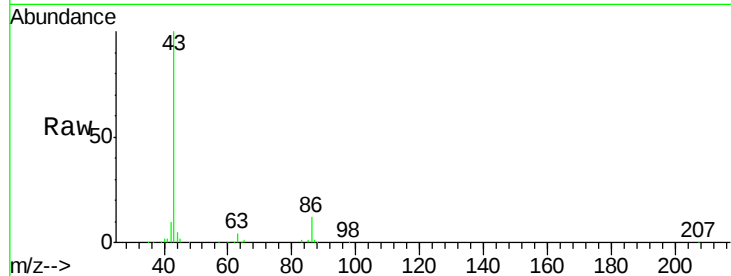
86 11.6 7.9 11.9

Manual Integrations

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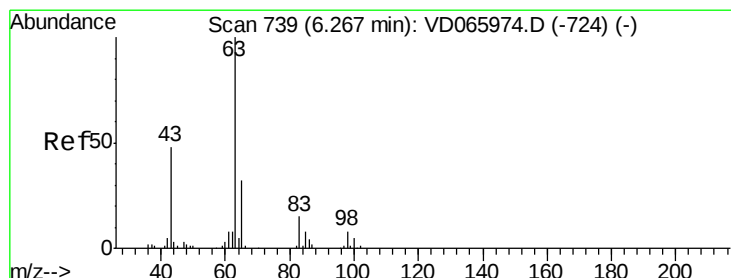
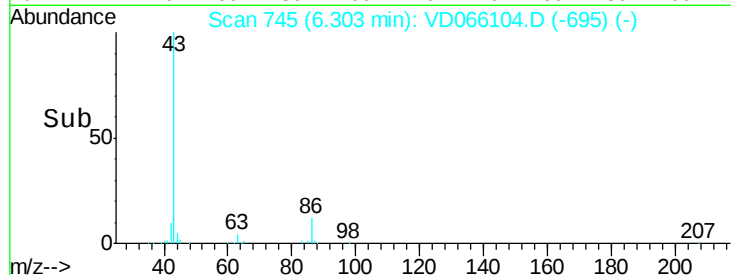
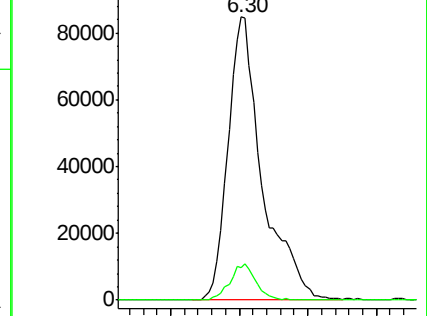
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.059 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

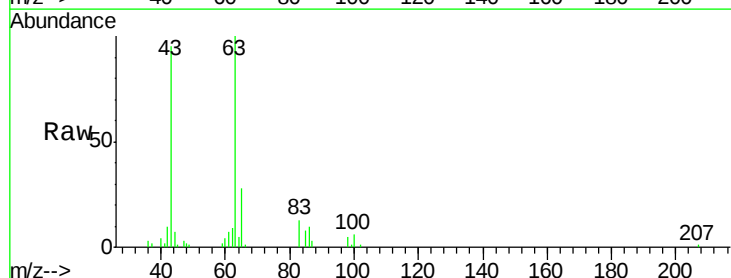
Tgt Ion: 63 Resp: 69628

Ion Ratio Lower Upper

63 100

98 5.3 4.3 12.8

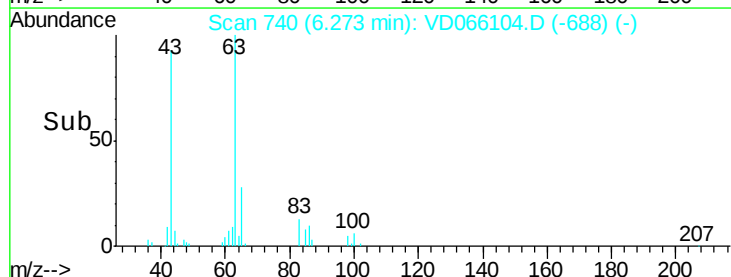
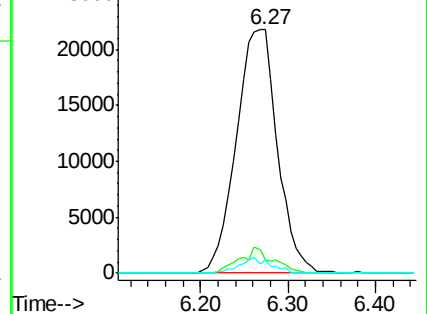
100 5.5 2.5 7.5

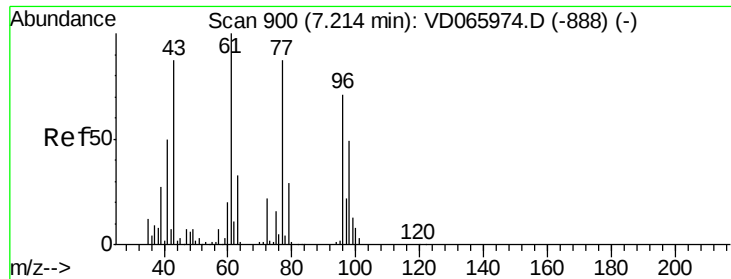


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





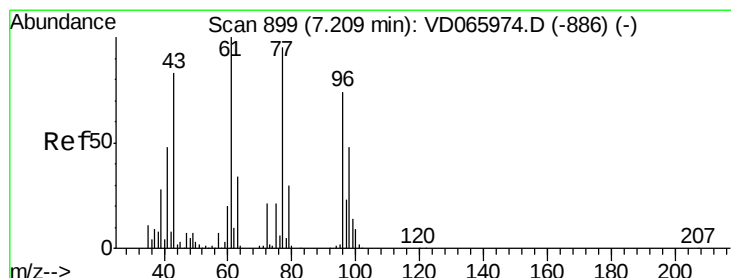
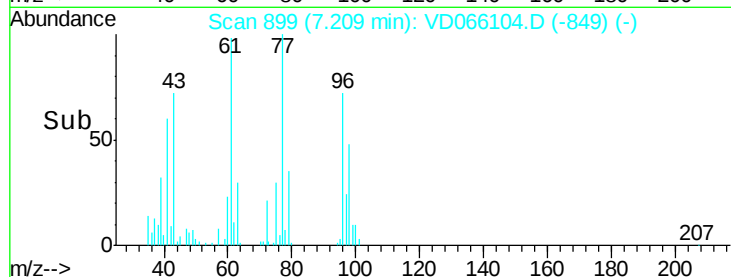
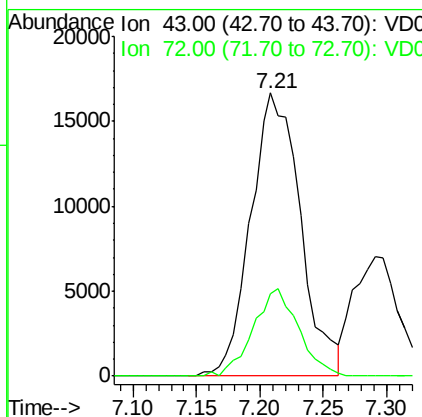
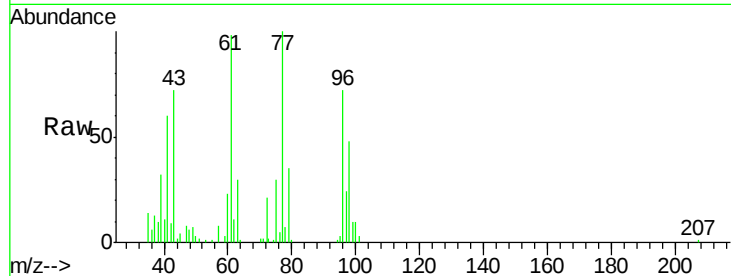
#25
2-Butanone
Concen: 94.040 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion: 43 Resp: 45674
Ion Ratio Lower Upper
43 100
72 29.2 20.2 30.2

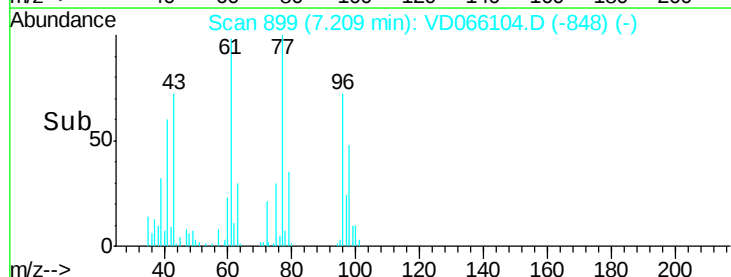
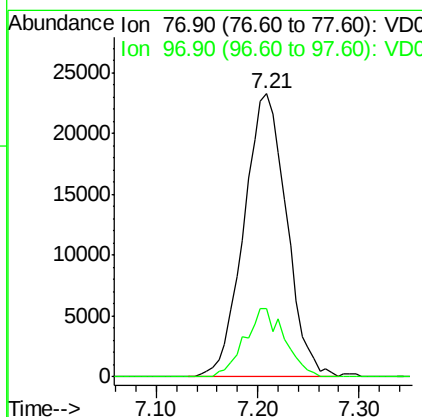
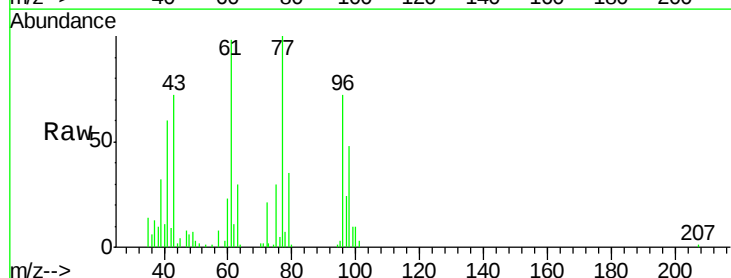
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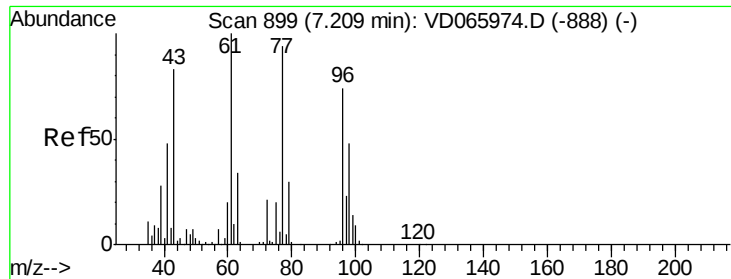
MMDadoda
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#26
2,2-Dichloropropane
Concen: 22.853 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion: 77 Resp: 67949
Ion Ratio Lower Upper
77 100
97 22.6 11.6 34.7





#27

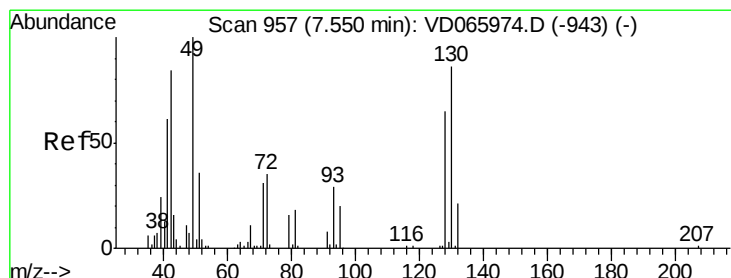
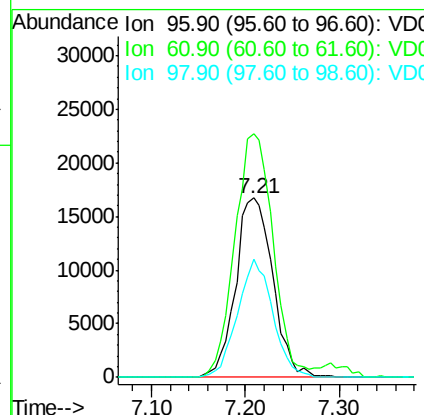
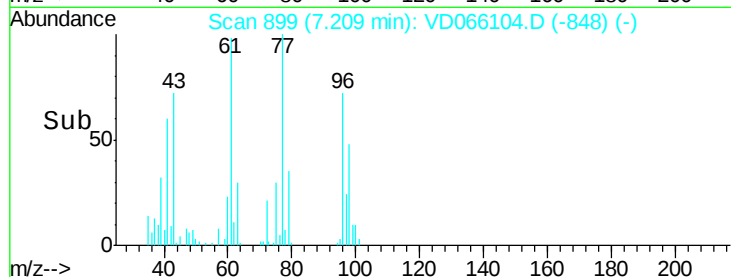
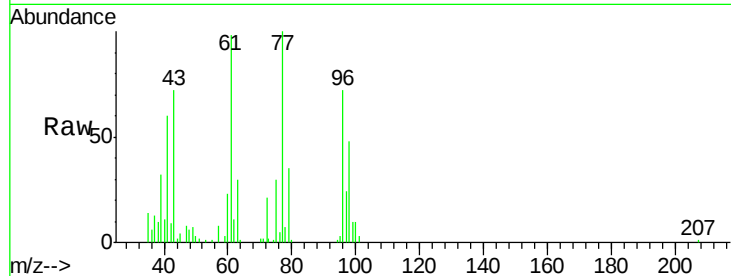
cis-1,2-Dichloroethene
 Concen: 20.985 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	276.6
98	61.9	0.0	130.8

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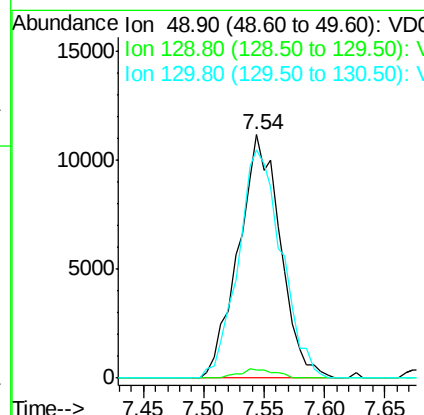
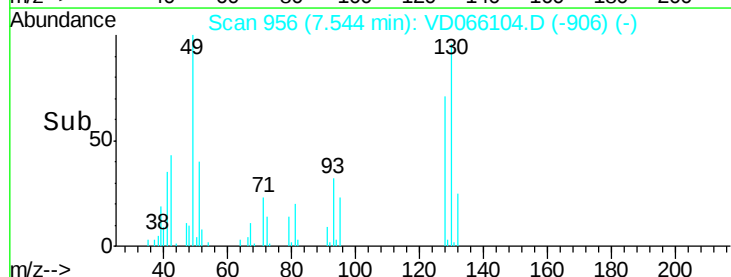
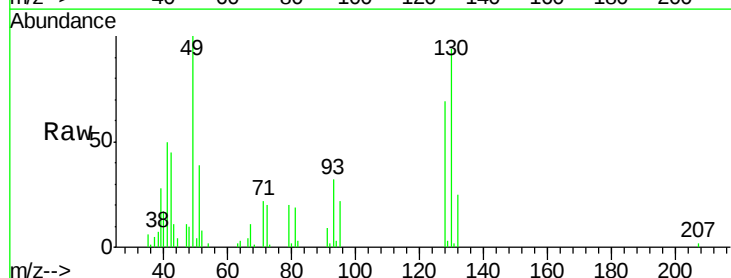
MMDadoda
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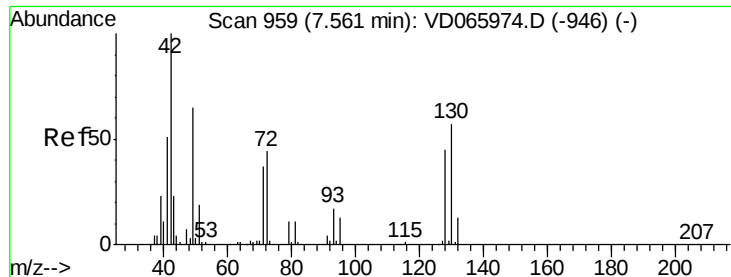


#28

Bromochloromethane
 Concen: 19.147 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	4.8
130	97.1	68.4	102.6





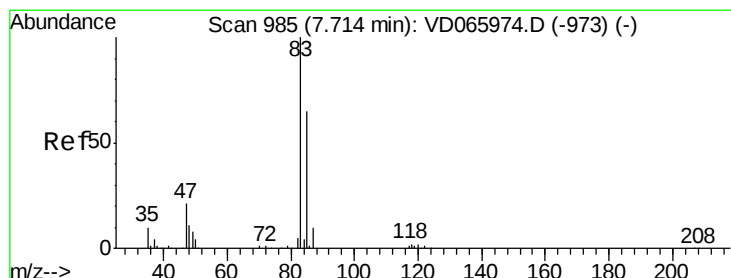
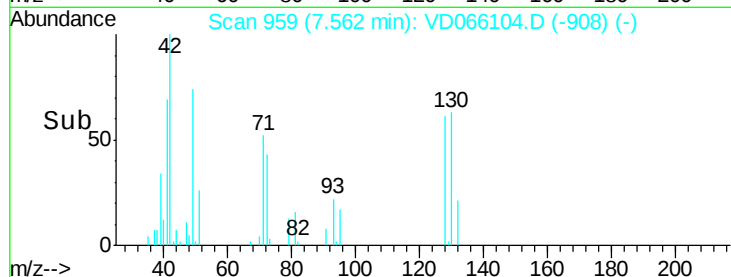
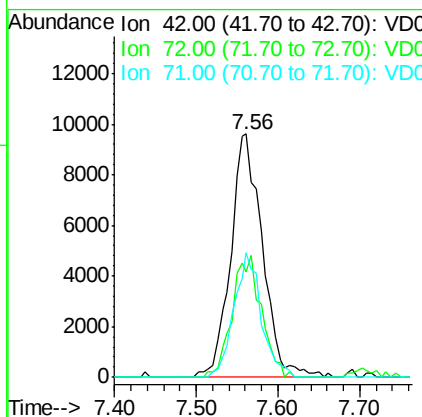
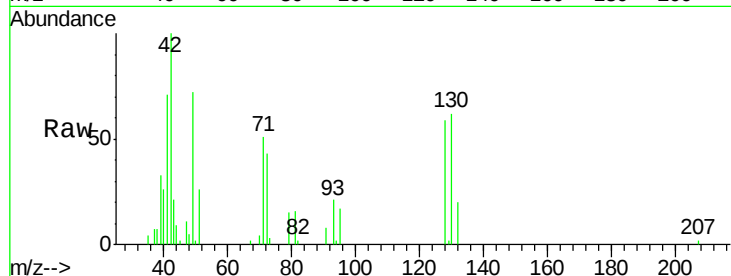
#29
Tetrahydrofuran
Concen: 86.781 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	34.2	51.2
71	43.8	31.4	47.2

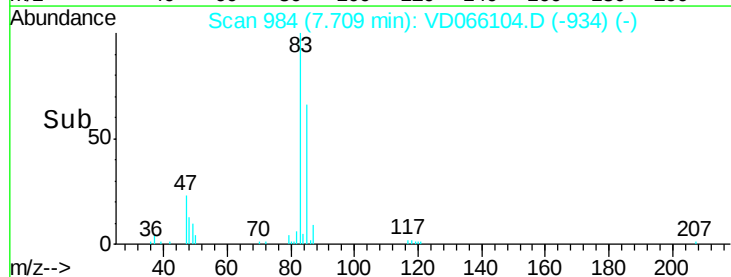
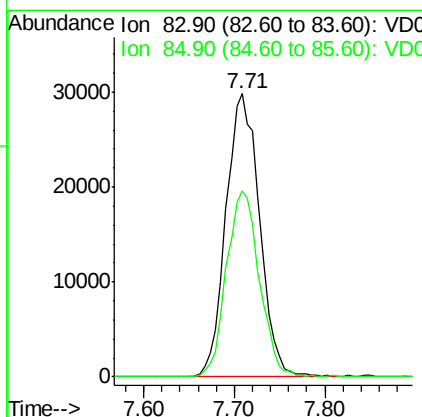
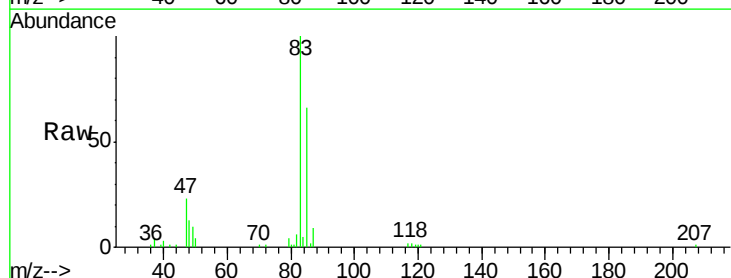
Manual Integrations
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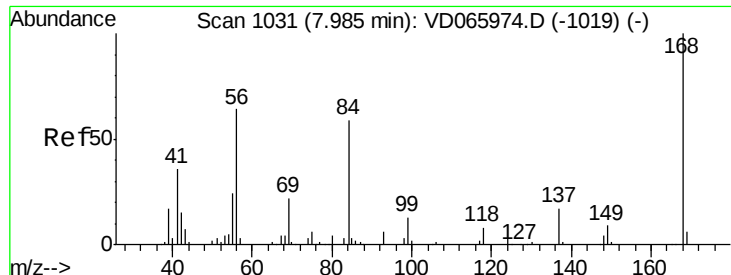
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#30
Chloroform
Concen: 22.161 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.1	78.1





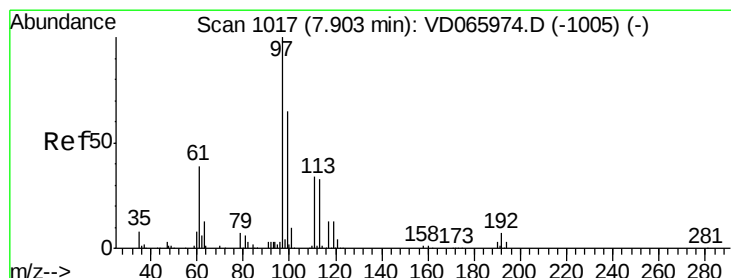
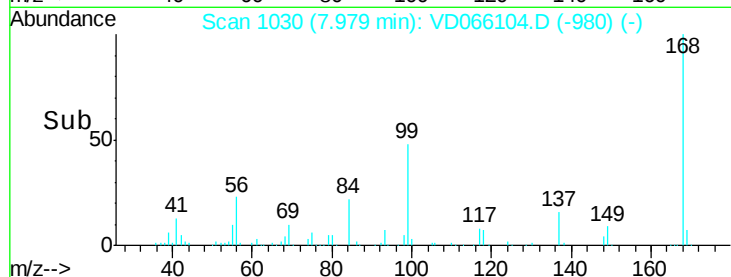
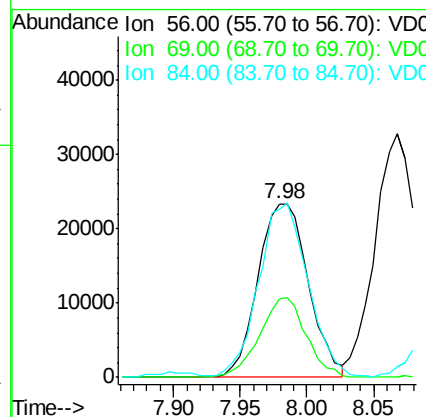
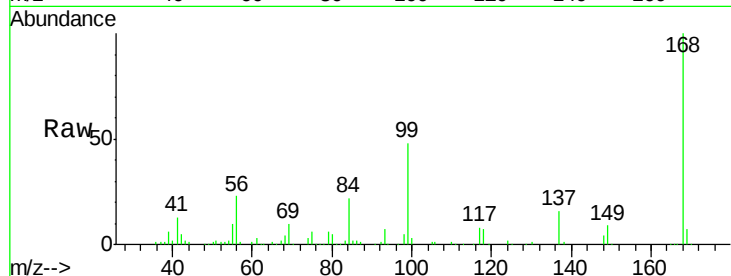
#31
Cyclohexane
Concen: 18.812 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	45.3	28.0	42.0#
84	94.8	72.6	109.0

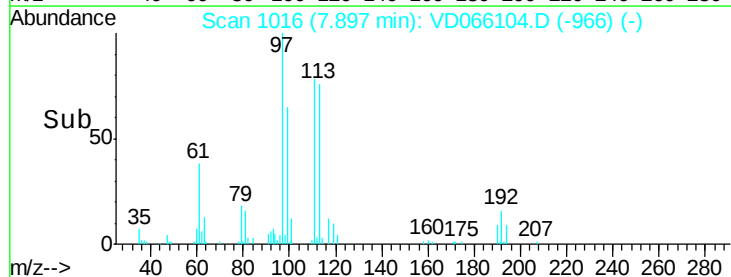
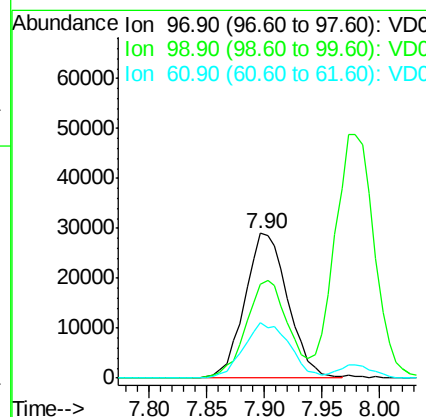
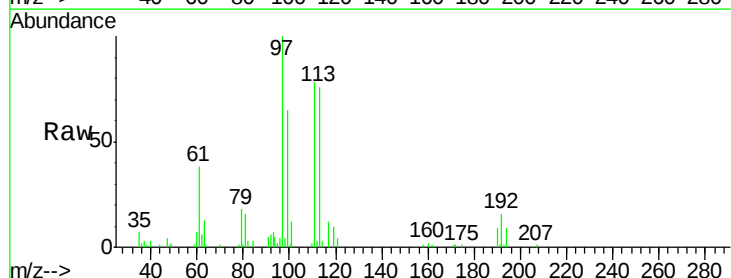
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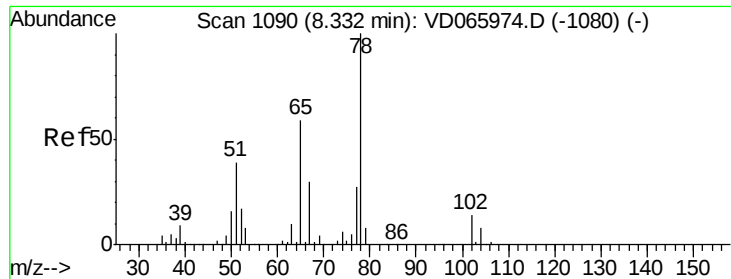
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#32
1,1,1-Trichloroethane
Concen: 23.536 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.8	77.6
61	40.8	33.3	49.9





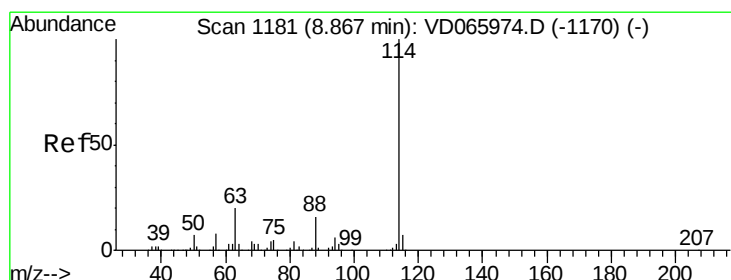
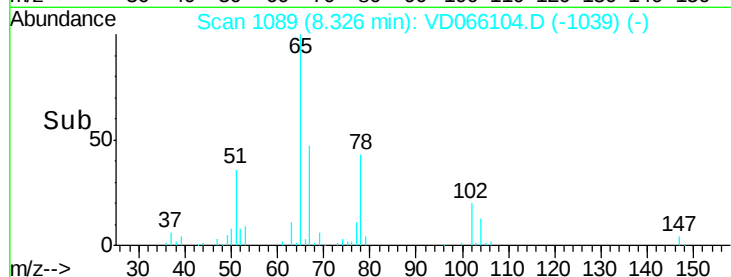
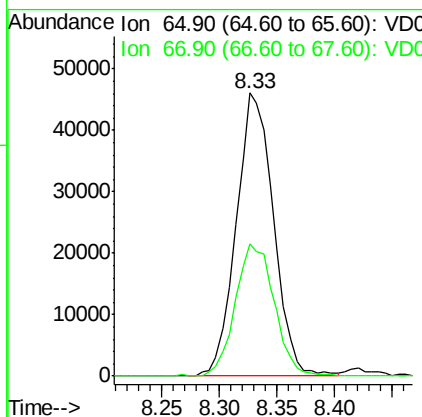
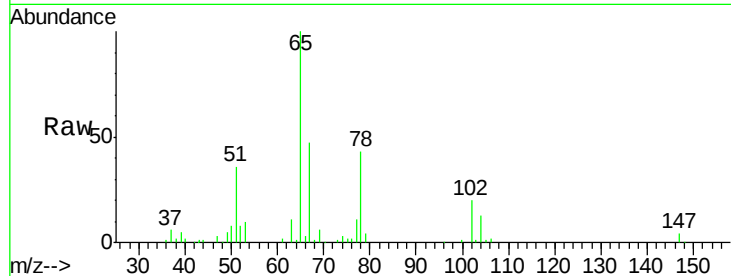
#33
 1,2-Dichloroethane-d4
 Concen: 57.209 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	103451		
67	48.7	0.0	105.0	

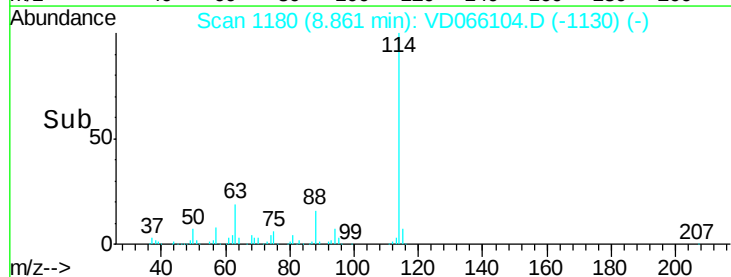
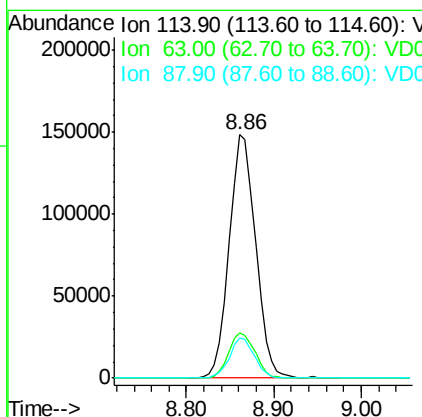
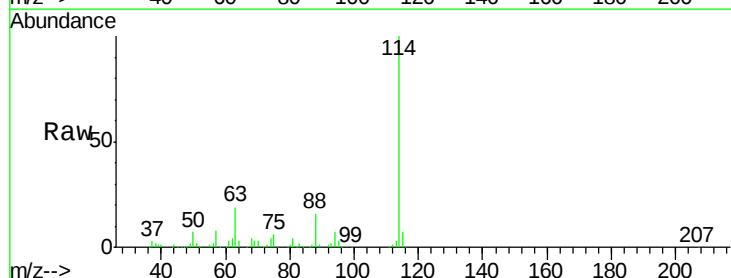
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	306564		
63	18.5	0.0	39.6	
88	16.4	0.0	31.2	





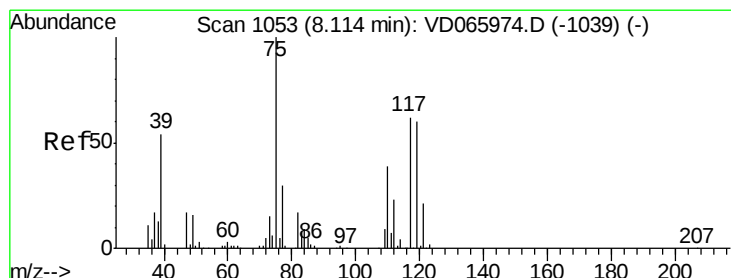
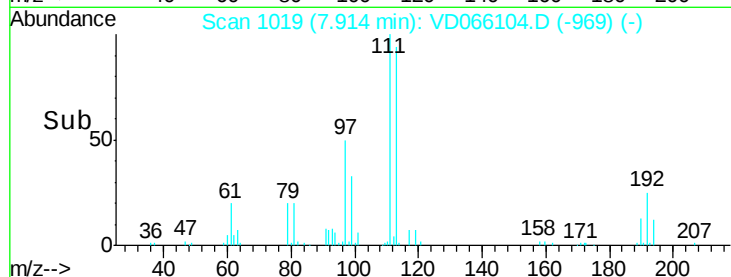
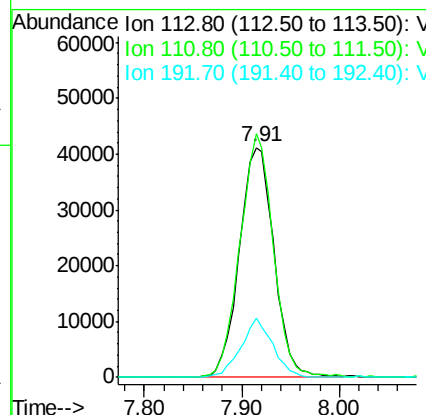
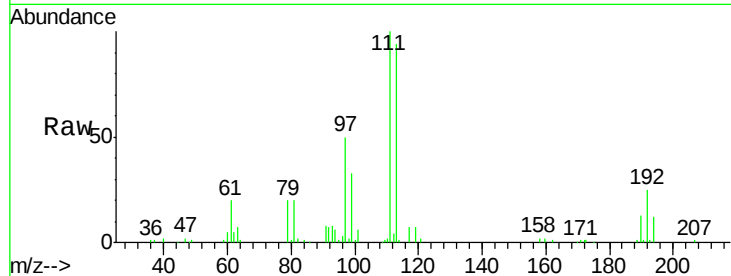
#35
Dibromofluoromethane
Concen: 54.987 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102243		
111	102.0	83.2	124.8	
192	23.5	18.7	28.1	

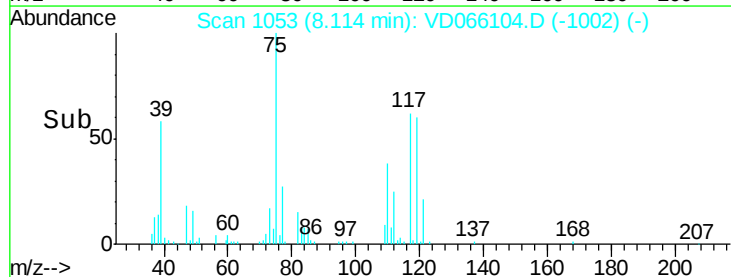
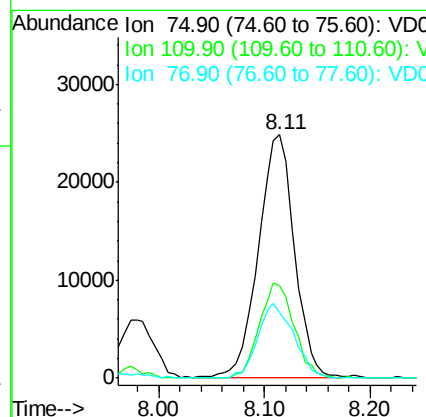
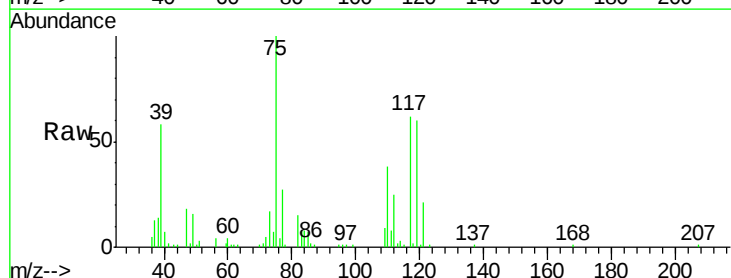
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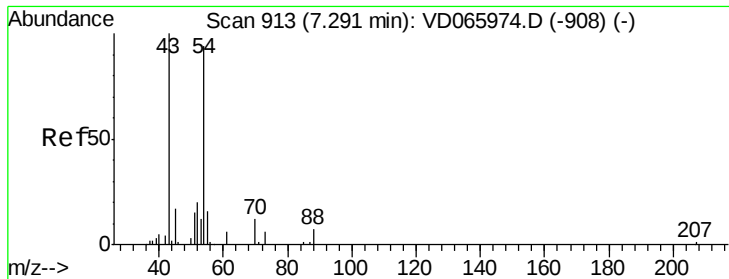
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#36
1,1-Dichloropropene
Concen: 22.558 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59021		
110	37.5	19.5	58.5	
77	30.3	24.7	37.1	





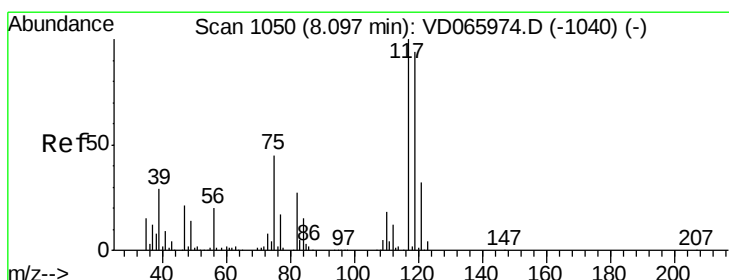
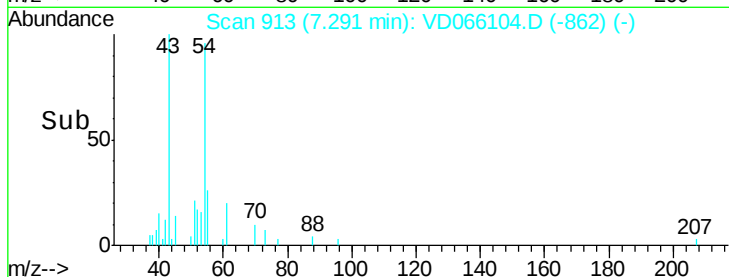
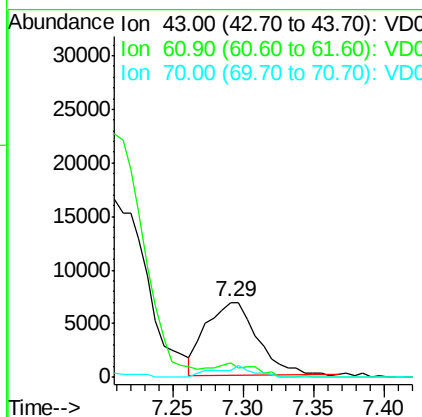
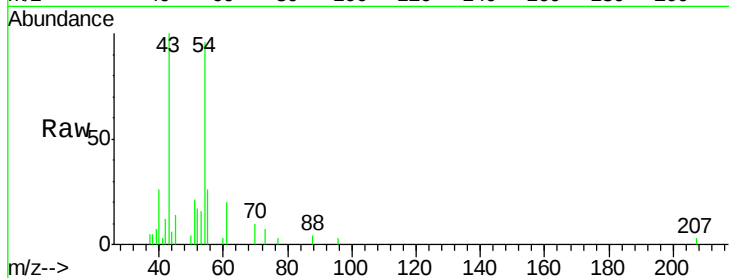
#37
Ethyl Acetate
Concen: 17.267 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.4	17.0
70	11.8	9.3	13.9

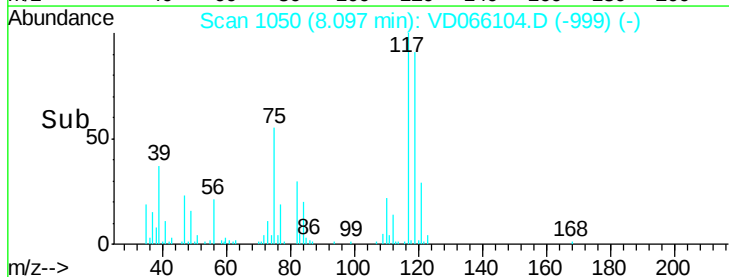
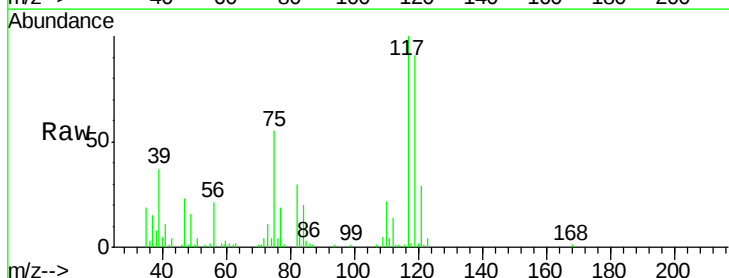
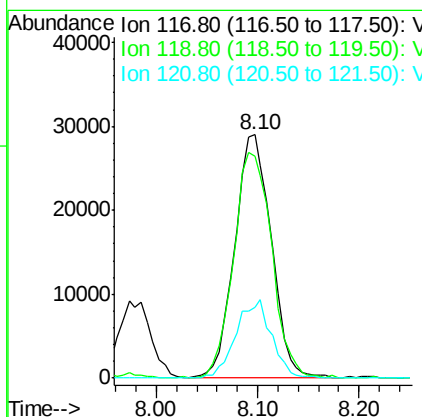
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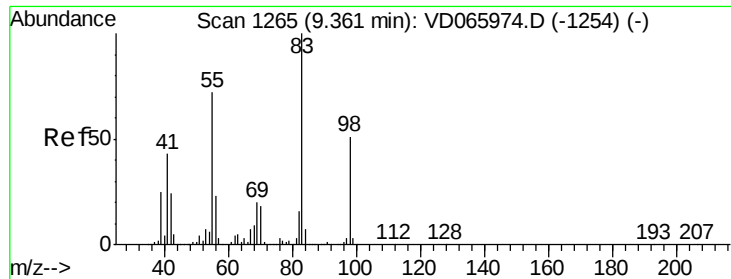
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#38
Carbon Tetrachloride
Concen: 25.700 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	75.0	112.6
121	29.2	25.5	38.3





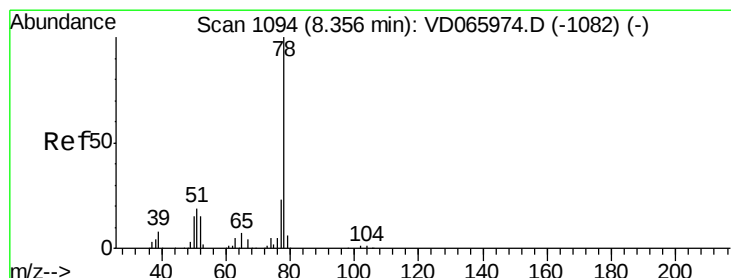
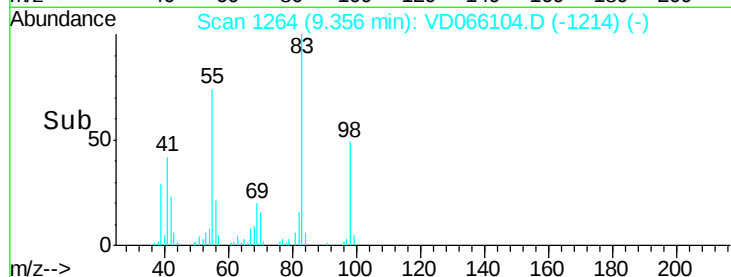
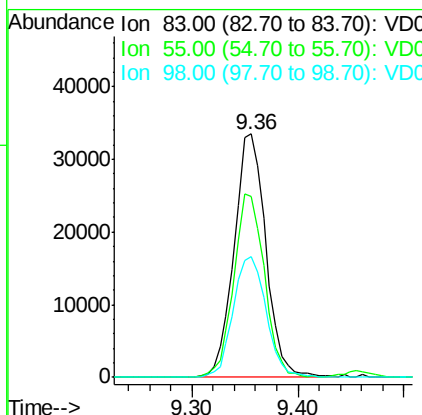
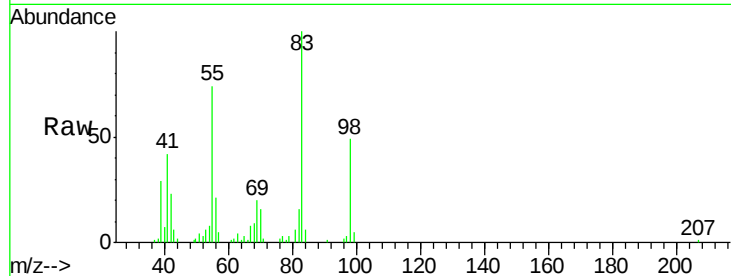
#39
Methvlcvclohexane
Concen: 22.074 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	83	Resp	69940
Ion Ratio	Lower	Upper	
83	100		
55	74.2	57.3	85.9
98	49.4	41.0	61.6

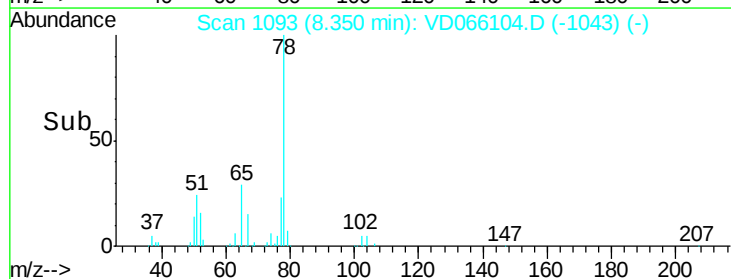
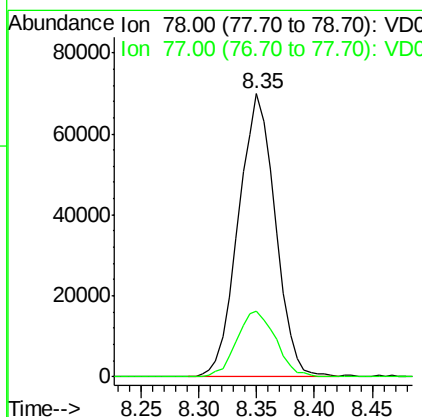
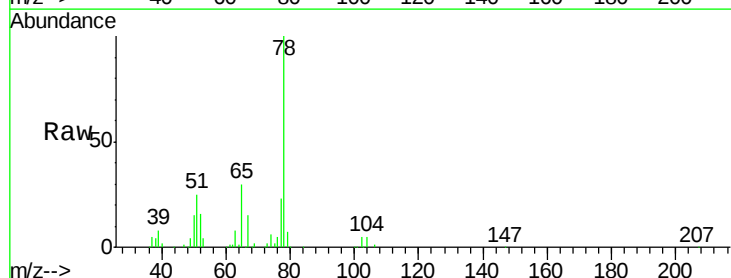
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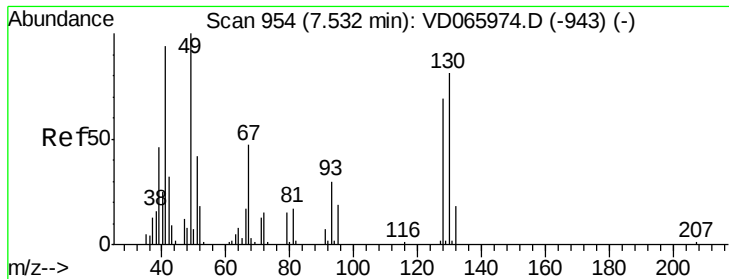
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#40
Benzene
Concen: 21.247 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	78	Resp	155525
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.6	27.8





#41

Methacrylonitrile

Concen: 18.637 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 41 Resp: 10668

Ion Ratio Lower Upper

41 100

39 56.0 0.0 0.0#

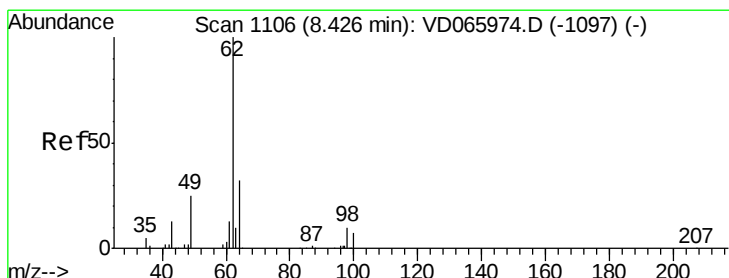
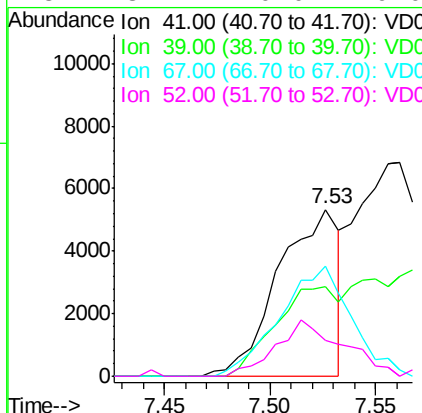
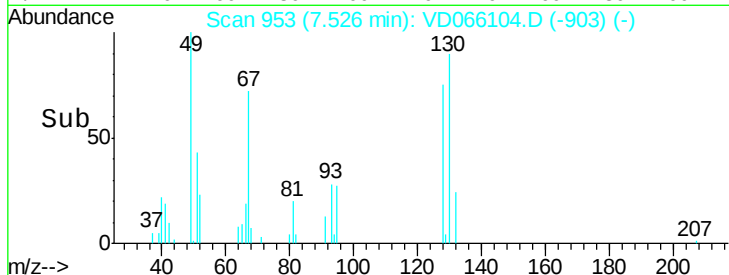
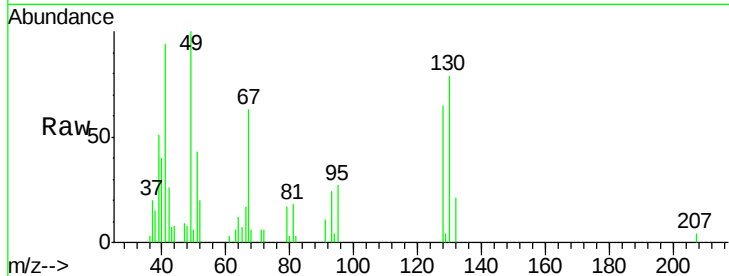
67 77.6 0.0 0.0#

52 37.2 0.0 0.0#

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#42

1,2-Dichloroethane

Concen: 24.201 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD066104.D

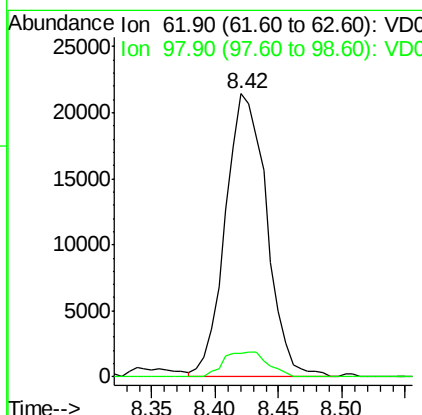
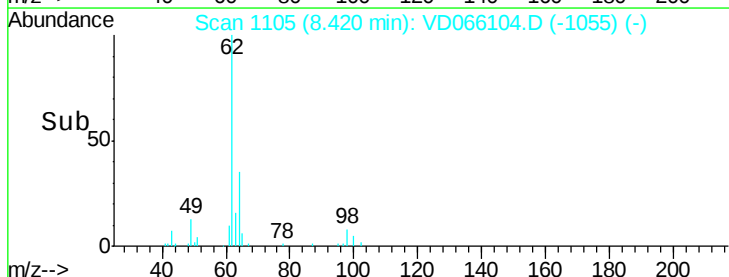
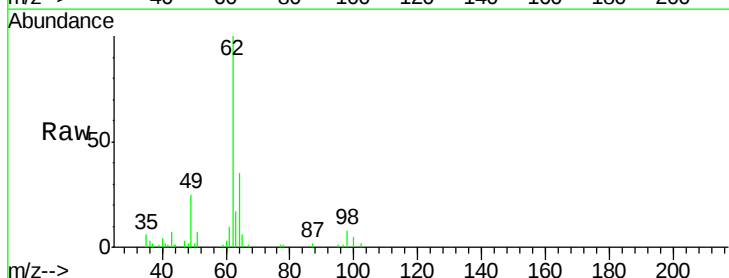
Acq: 30 Jul 2020 11:45

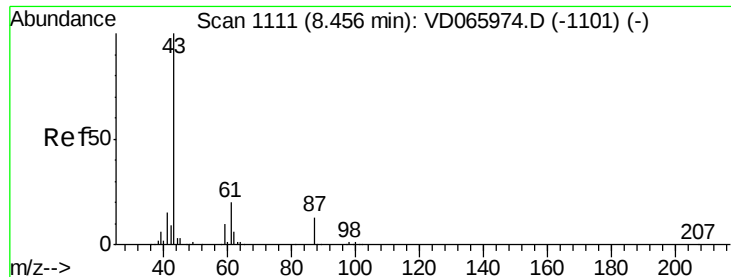
Tgt Ion: 62 Resp: 48543

Ion Ratio Lower Upper

62 100

98 9.4 0.0 21.0





#43

Isopropyl Acetate

Concen: 19.562 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

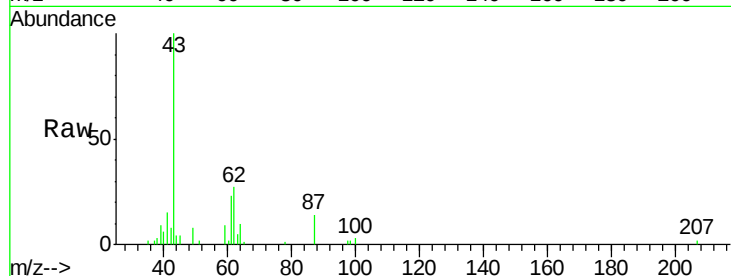
ClientSampleId :

VD0730SBS01

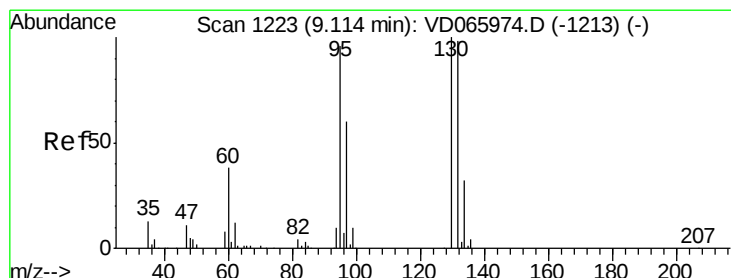
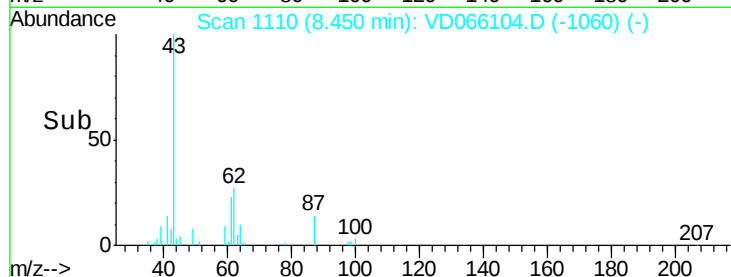
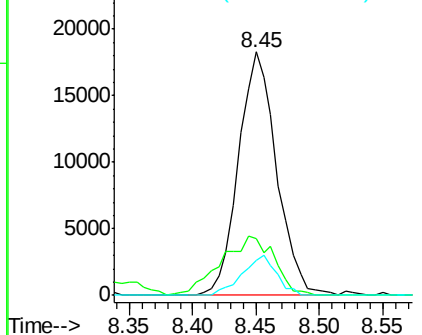
Tot Ion:	43	Resp:	38176
Ion Ratio	Lower	Upper	
43	100		
61	34.0	25.8	38.8
87	14.7	10.9	16.3

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



#44

Trichloroethene

Concen: 22.126 ug/l

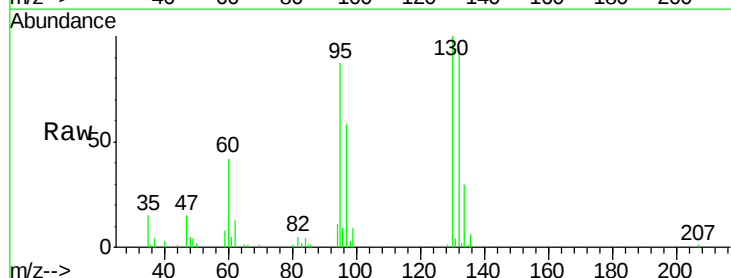
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

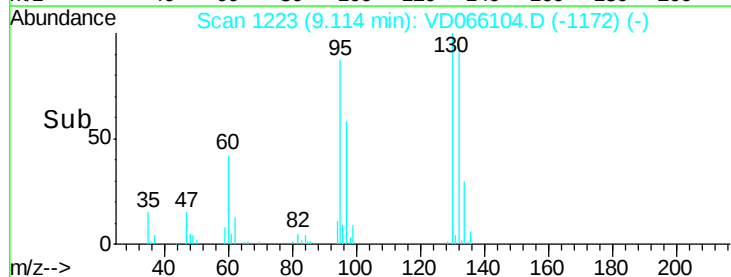
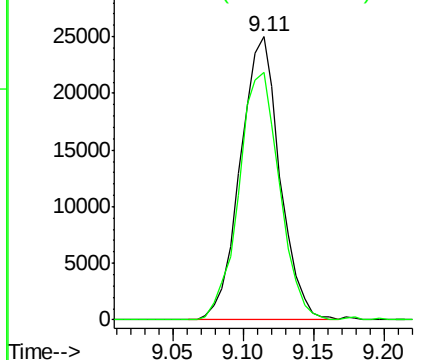
Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Tgt Ion:	130	Resp:	49009
Ion Ratio	Lower	Upper	
130	100		
95	87.4	0.0	191.6



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





#45

1,2-Dichloropropane

Concen: 20.468 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 63 Resp: 36285

Ion Ratio Lower Upper

63 100

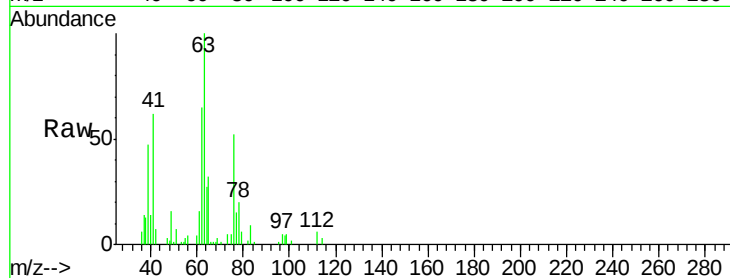
65 32.3 24.0 36.0

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

20000

15000

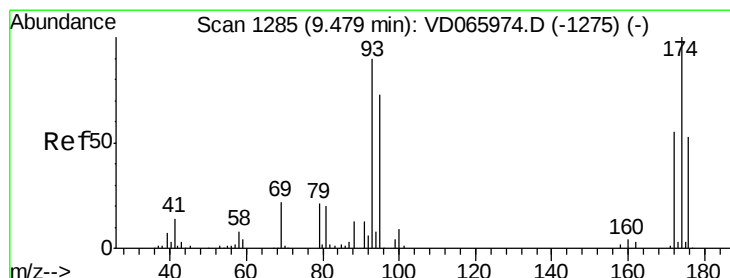
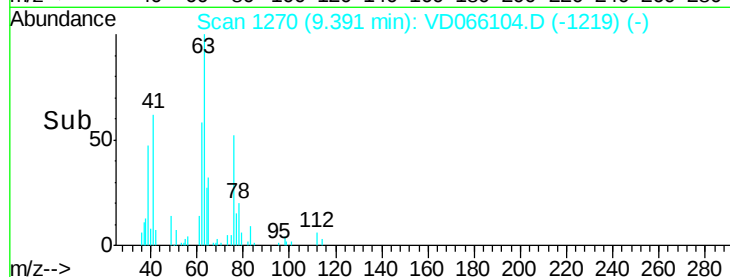
10000

5000

0

9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 21.972 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

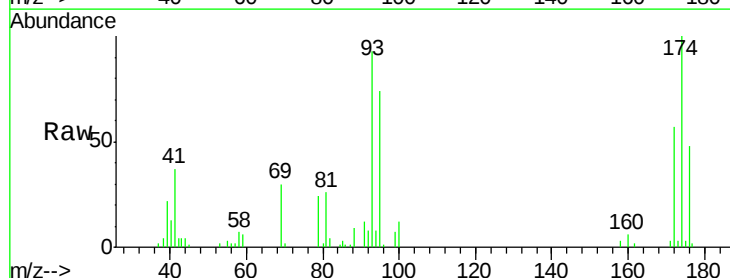
Tgt Ion: 93 Resp: 20969

Ion Ratio Lower Upper

93 100

95 86.4 66.2 99.4

174 119.4 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

15000

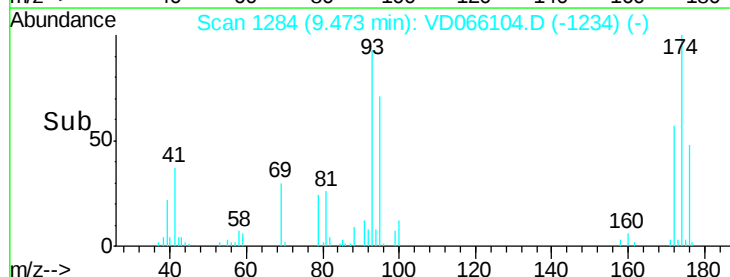
10000

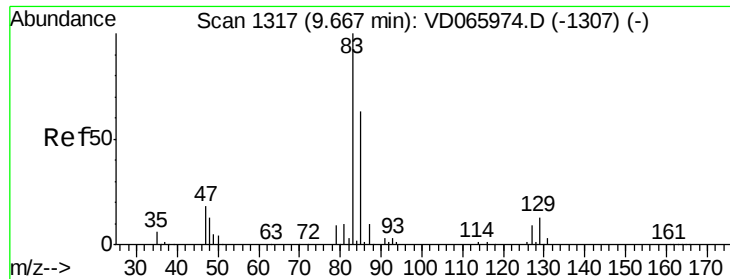
5000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 22.927 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

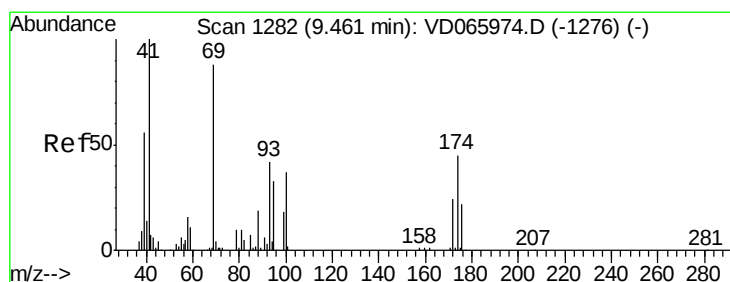
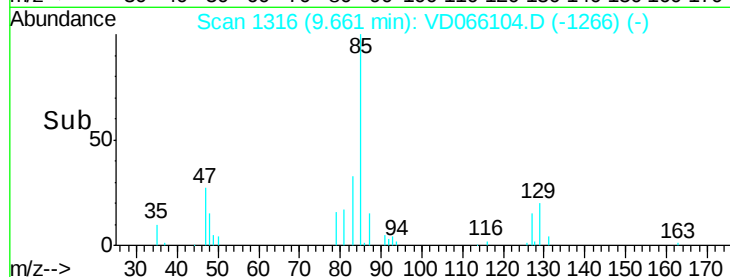
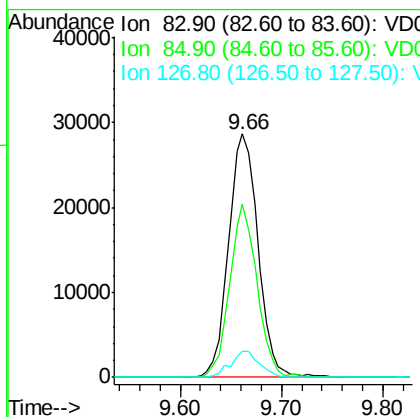
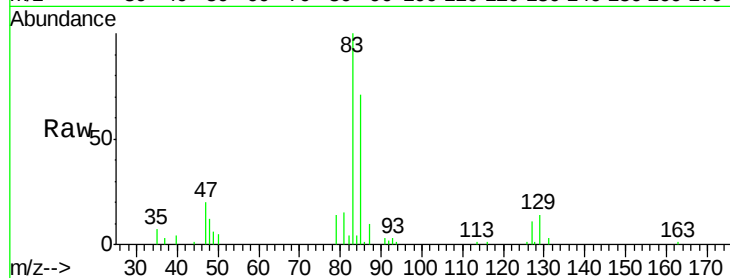
ClientSampleId :

VD0730SBS01

Tot Ion:	83	Resp:	57854
Ion	Ratio	Lower	Upper
83	100		
85	71.3	50.6	75.8
127	10.6	7.1	10.7

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#48

Methyl methacrylate

Concen: 18.611 ug/l

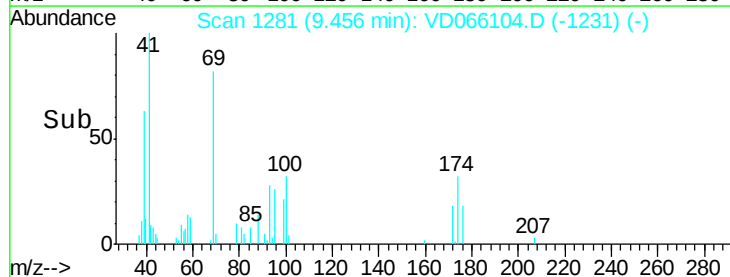
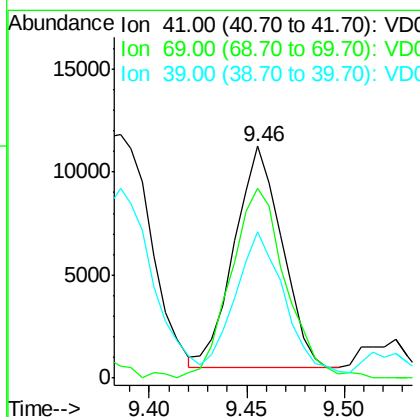
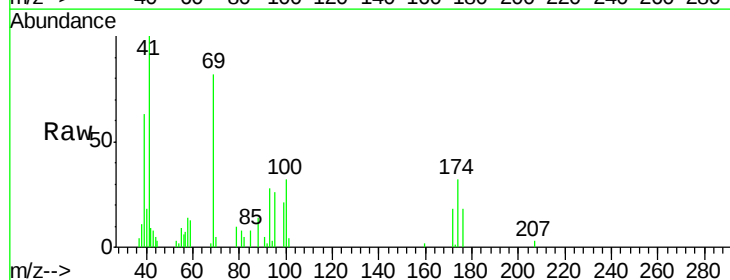
RT: 9.46 min Scan# 1281

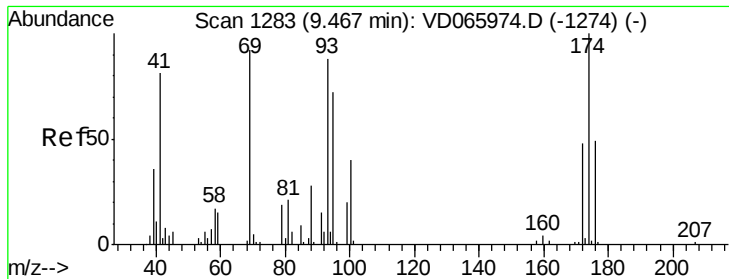
Delta R.T. -0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Tgt Ion:	41	Resp:	18321
Ion	Ratio	Lower	Upper
41	100		
69	97.7	65.1	97.7#
39	64.6	41.5	62.3#





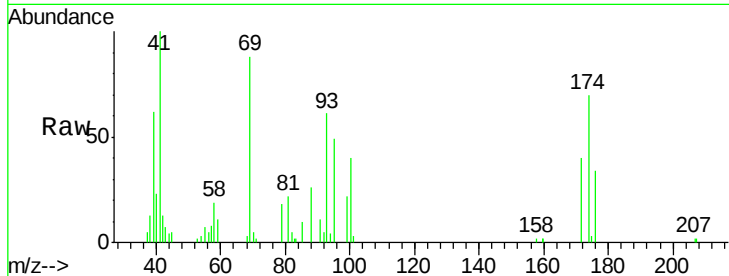
#49
1,4-Dioxane
Concen: 376.338 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

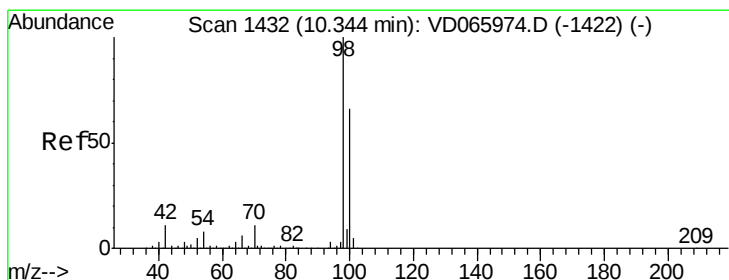
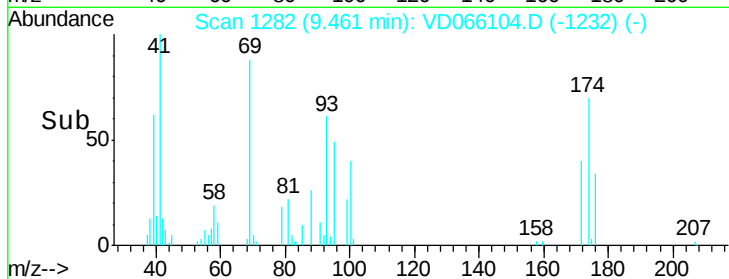
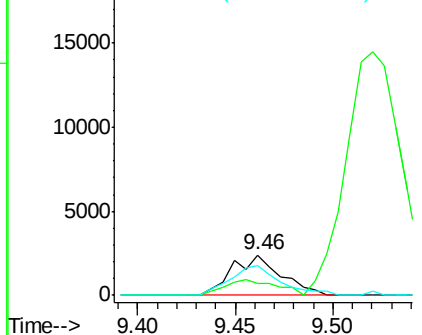
Tot Ion	Ratio	Lower	Upper
88	100		
43	40.4	29.0	43.6
58	75.8	57.0	85.4

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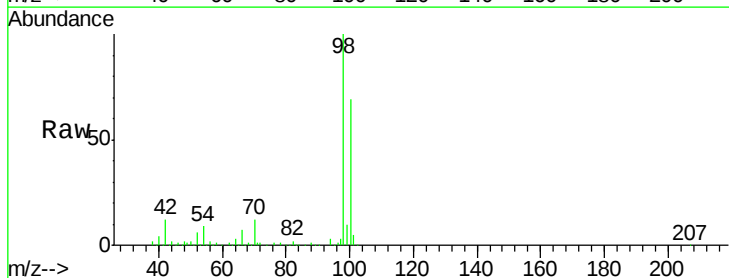


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

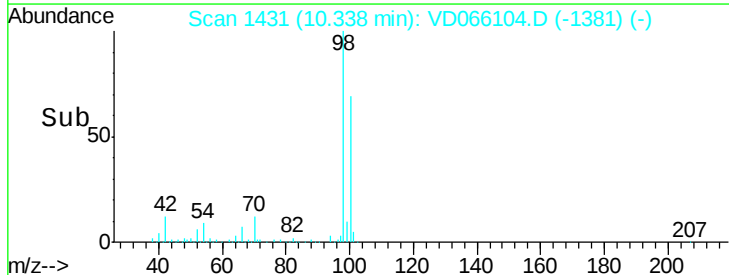
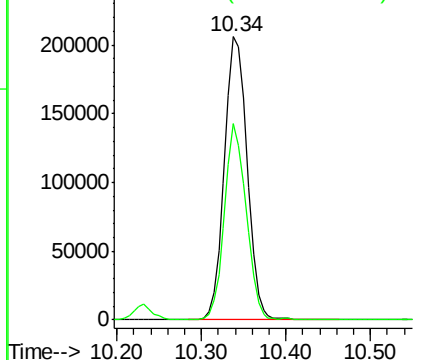


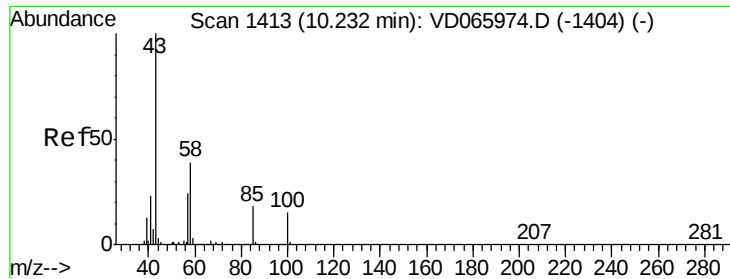
#50
Toluene-d8
Concen: 55.434 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.7	79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 97.339 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 43 Resp: 95714

Ion Ratio Lower Upper

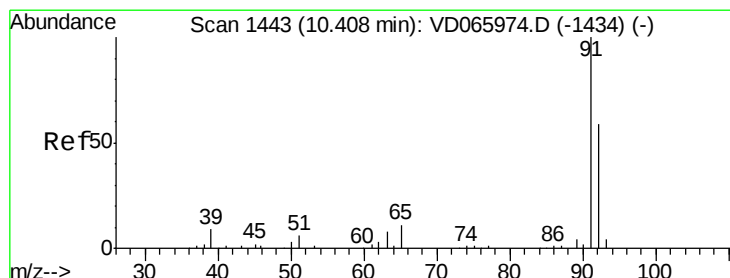
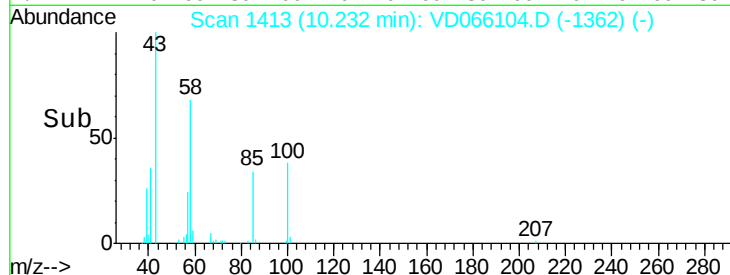
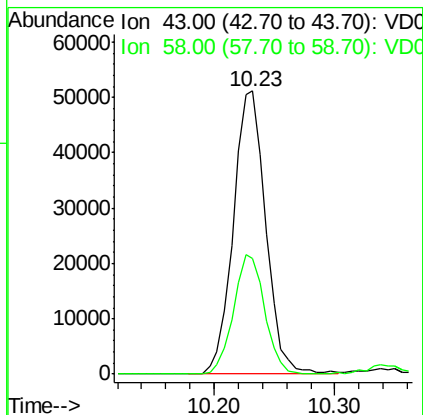
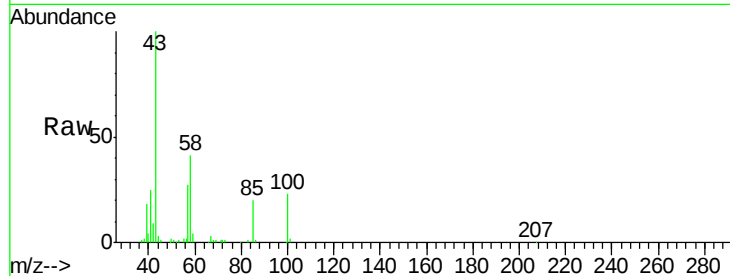
43 100

58 40.6 31.3 46.9

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#52

Toluene

Concen: 23.197 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD066104.D

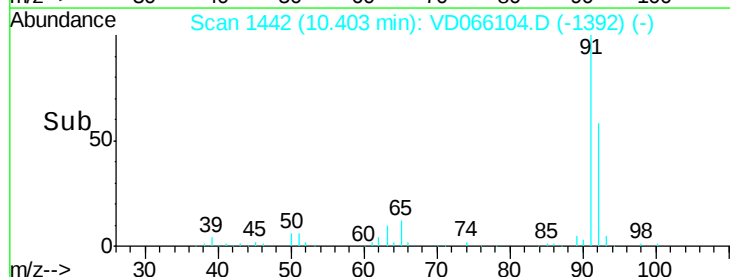
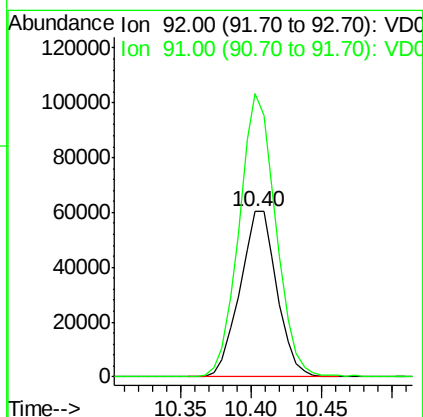
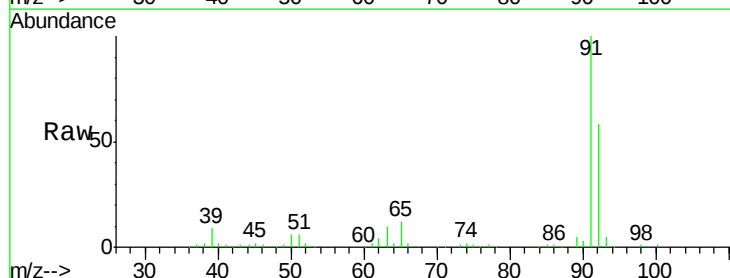
Acq: 30 Jul 2020 11:45

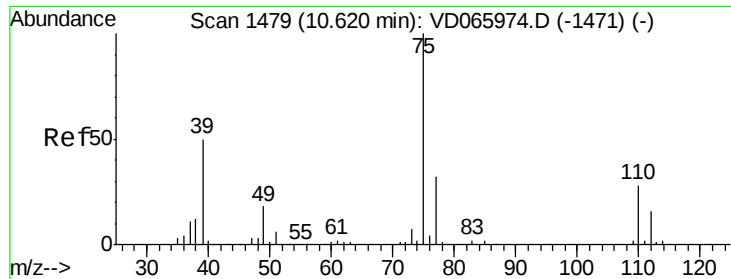
Tgt Ion: 92 Resp: 110731

Ion Ratio Lower Upper

92 100

91 169.2 134.5 201.7





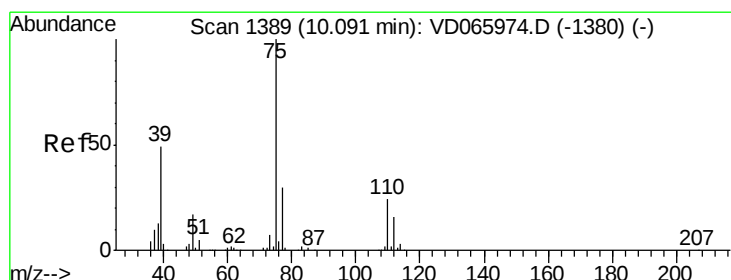
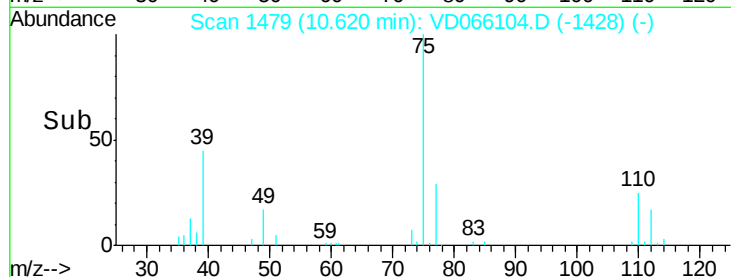
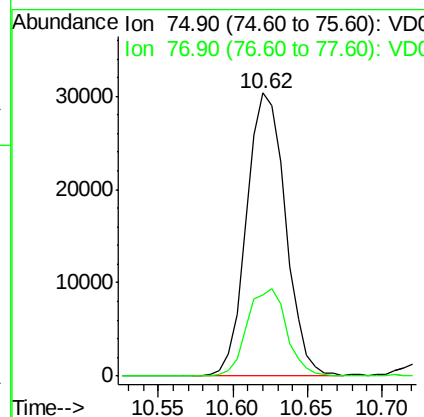
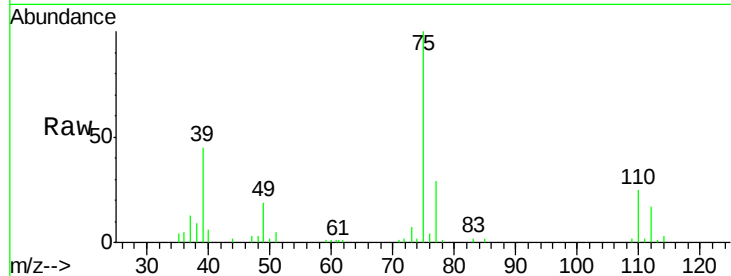
#53
 t-1,3-Dichloropropene
 Concen: 23.255 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion: 75 Resp: 54670
 Ion Ratio Lower Upper
 75 100
 77 28.7 25.8 38.6

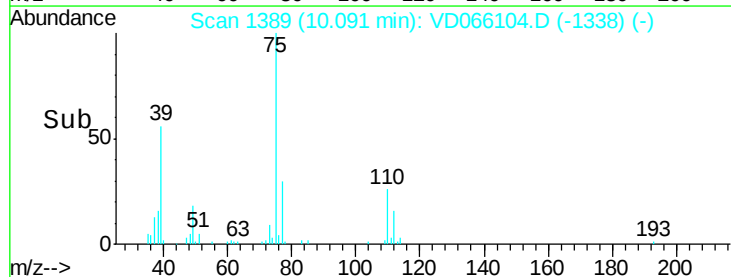
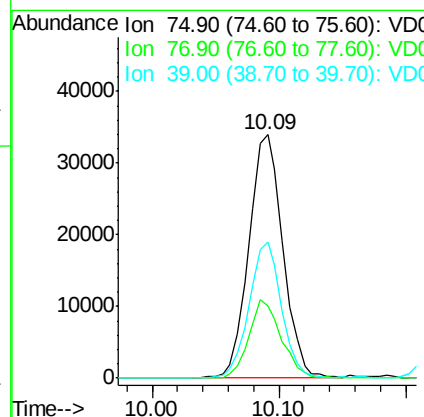
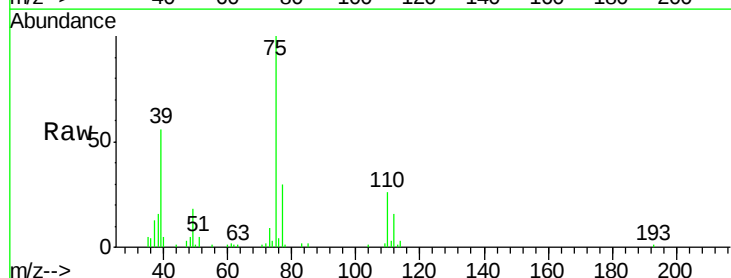
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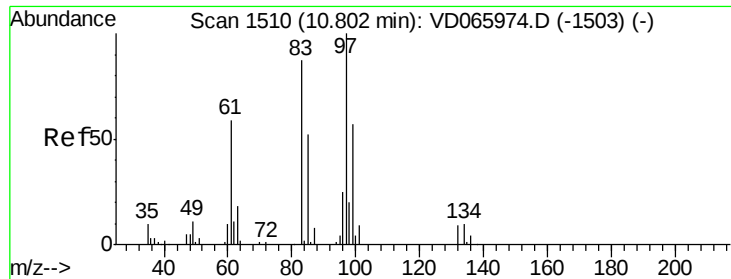
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#54
 cis-1,3-Dichloropropene
 Concen: 22.237 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Tgt Ion: 75 Resp: 63368
 Ion Ratio Lower Upper
 75 100
 77 29.7 23.8 35.8
 39 56.1 38.8 58.2





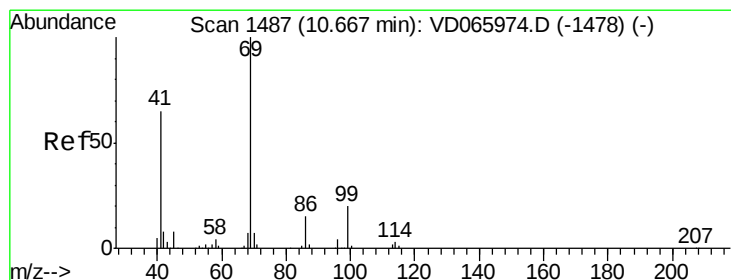
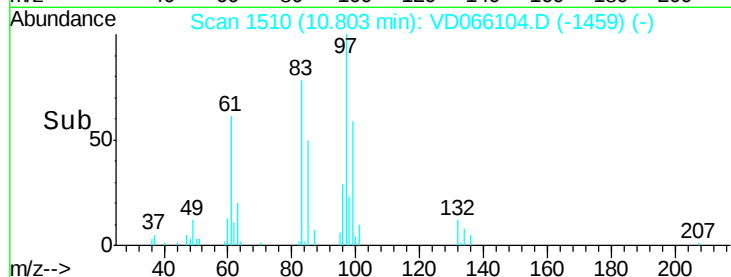
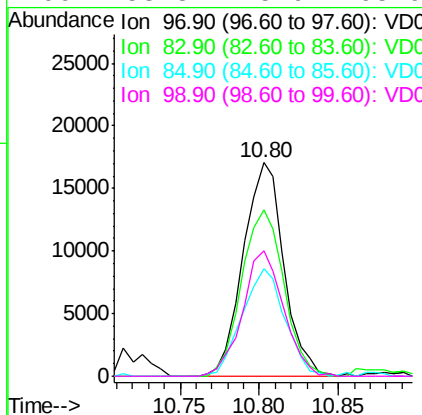
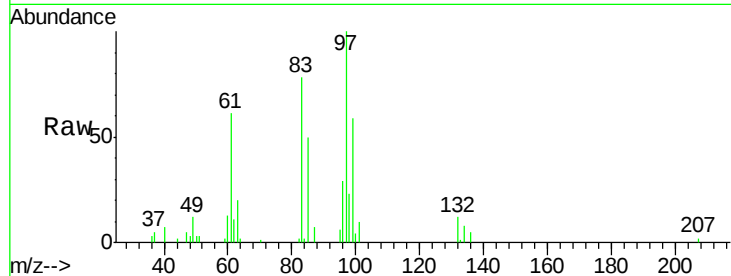
#55
 1,1,2-Trichloroethane
 Concen: 22.473 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion:	97	Resp:	30417
Ion	Ratio	Lower	Upper
97	100		
83	78.0	69.7	104.5
85	50.1	41.6	62.4
99	58.8	45.9	68.9

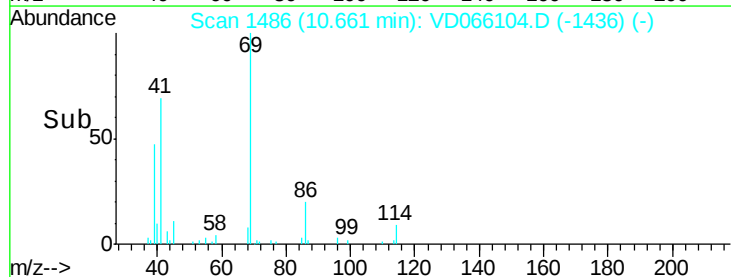
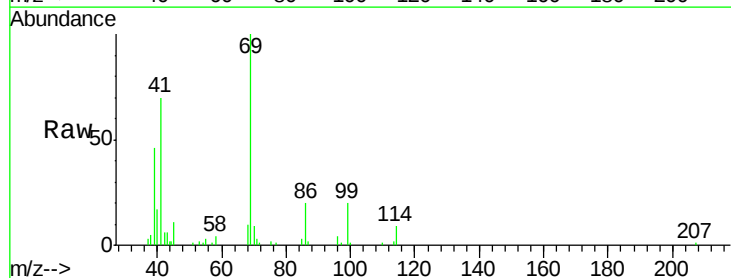
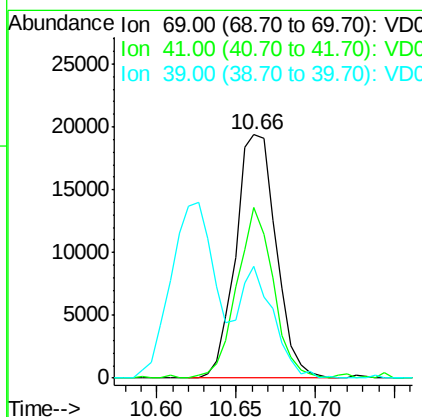
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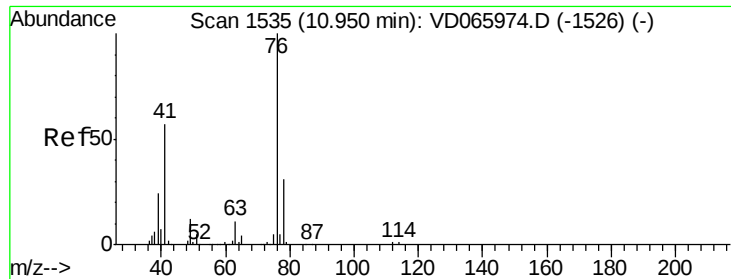
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#56
 Ethyl methacrylate
 Concen: 21.790 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Tgt Ion:	69	Resp:	34290
Ion	Ratio	Lower	Upper
69	100		
41	63.3	52.3	78.5
39	39.5	25.2	37.8#





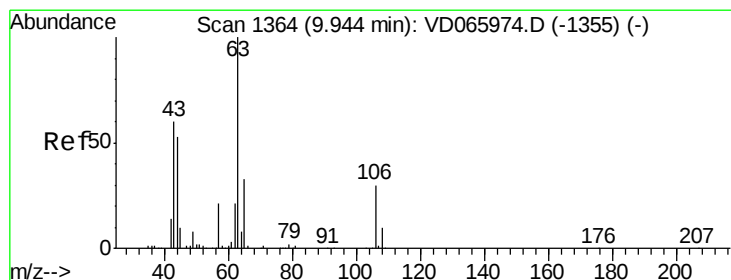
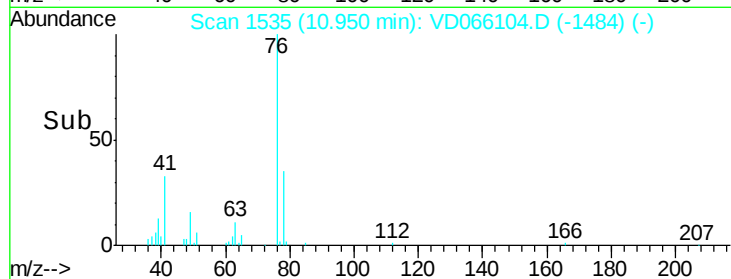
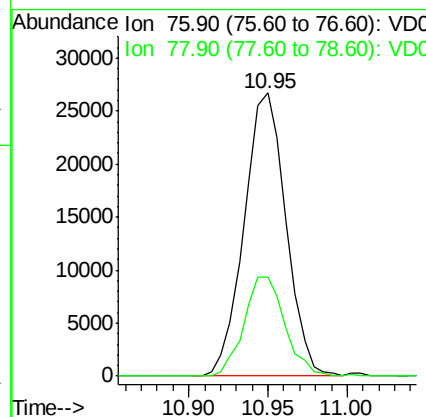
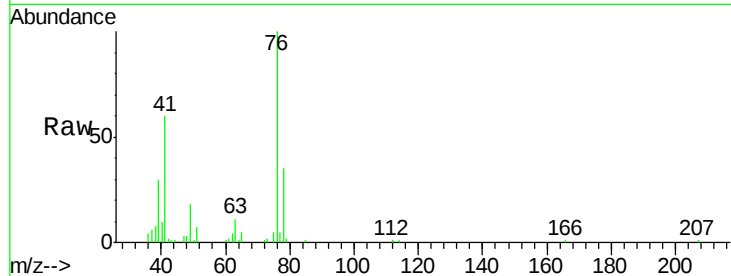
#57
 1,3-Dichloropropane
 Concen: 21.854 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion: 76 Resp: 48966
 Ion Ratio Lower Upper
 76 100
 78 34.1 25.6 38.4

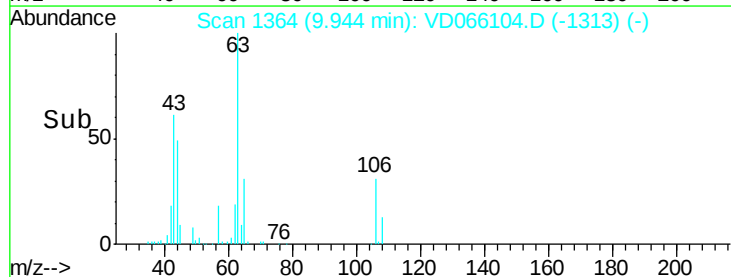
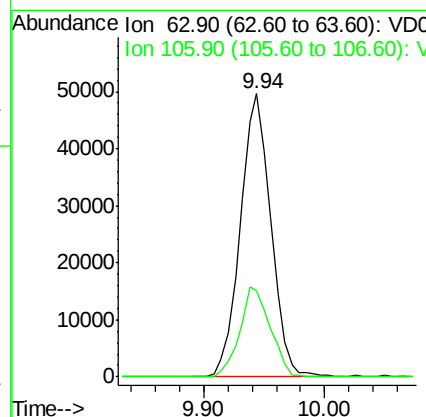
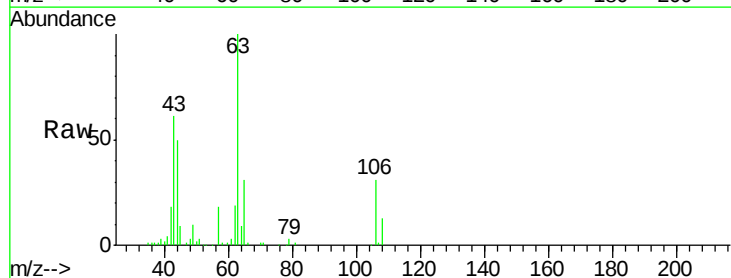
Manual Integrations
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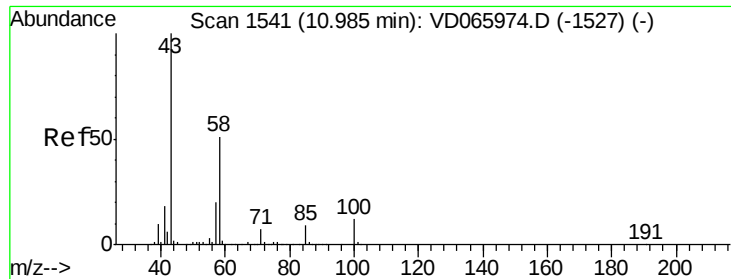
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.130 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Tgt Ion: 63 Resp: 87299
 Ion Ratio Lower Upper
 63 100
 106 31.9 24.4 36.6





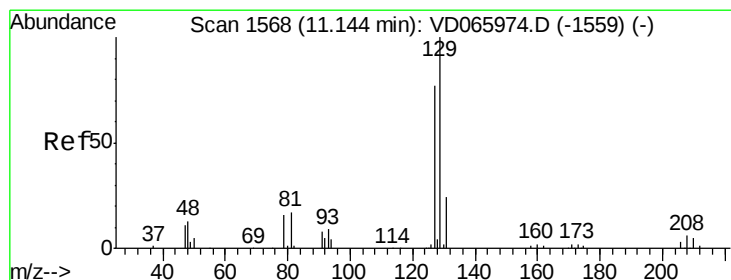
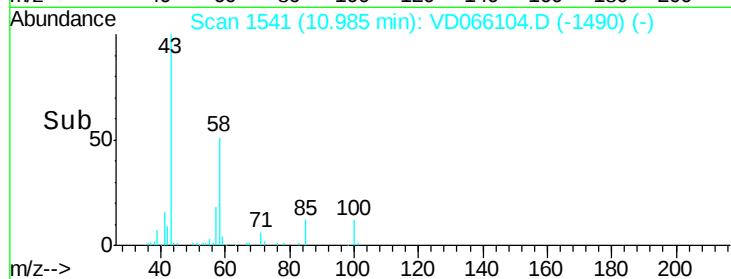
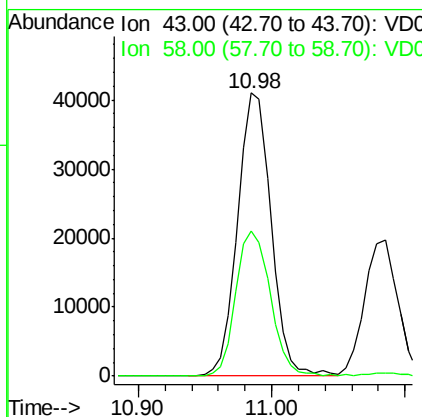
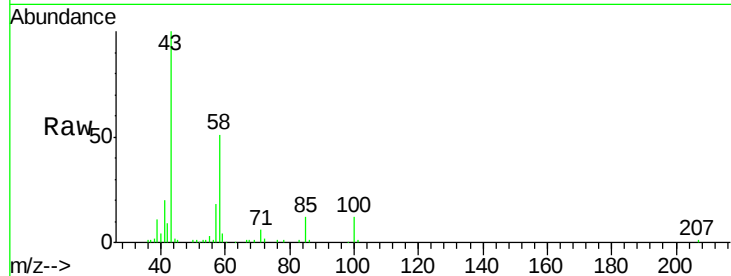
#59
2-Hexanone
Concen: 104.832 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion: 43 Resp: 71435
Ion Ratio Lower Upper
43 100
58 52.9 26.2 78.6

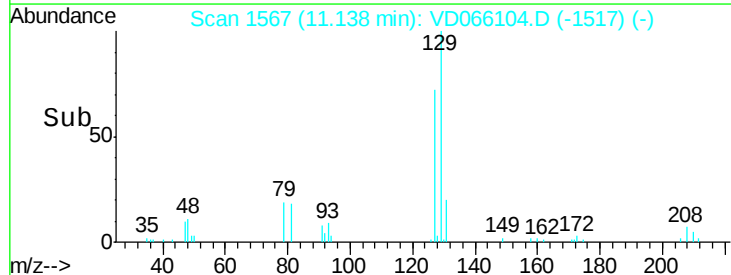
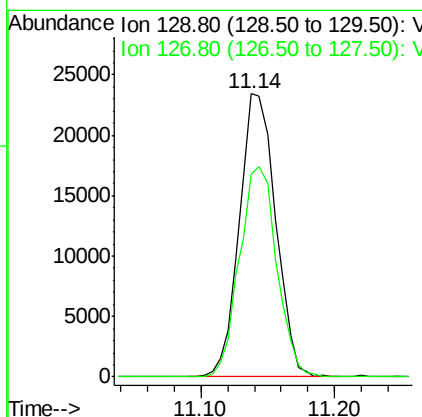
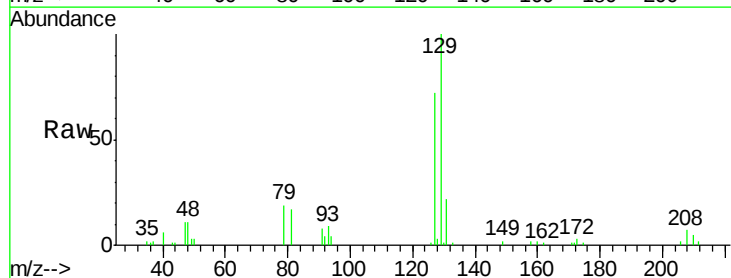
Manual Integrations
APPROVED

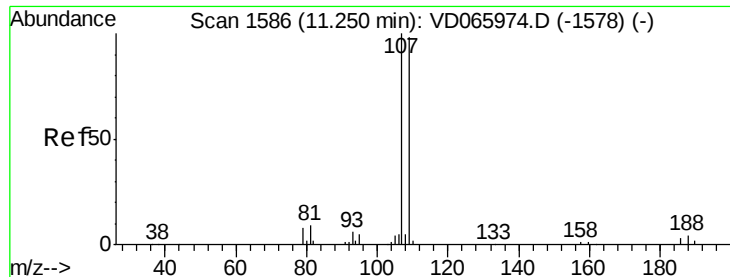
MMDadoda
7/31/2020 11:56:14 AM



#60
Dibromochloromethane
Concen: 24.168 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion:129 Resp: 44105
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.7





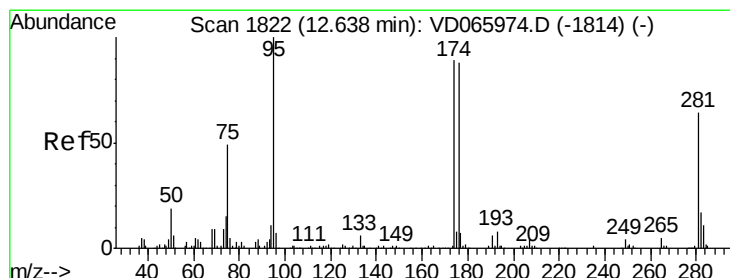
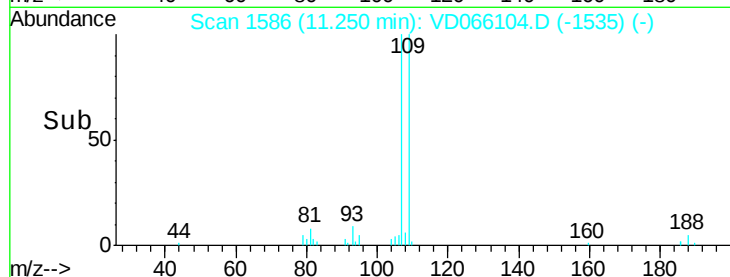
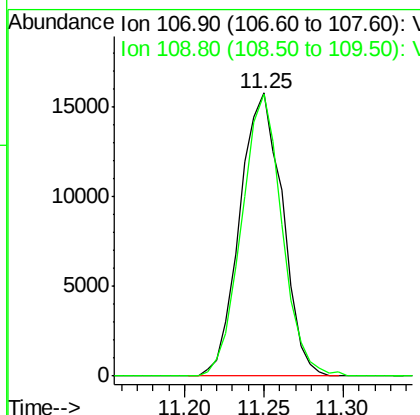
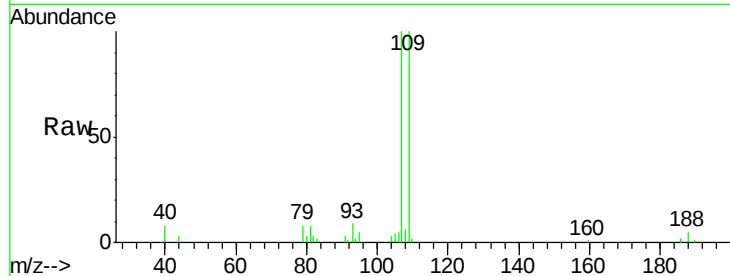
#61
1,2-Dibromoethane
Concen: 22.669 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.0	112.4

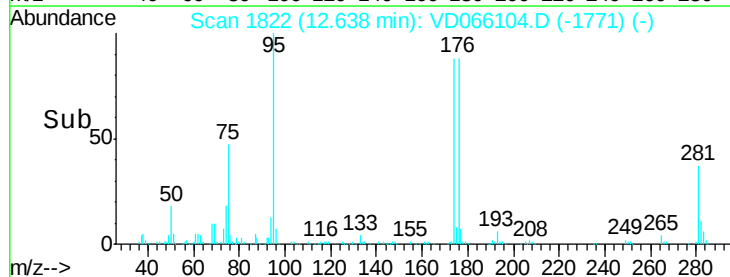
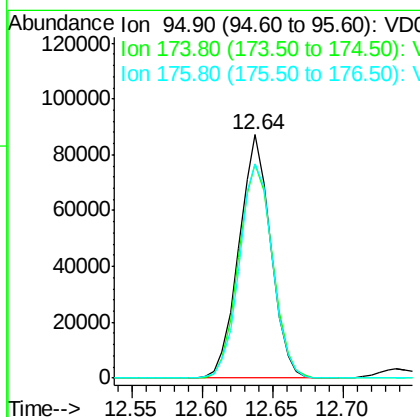
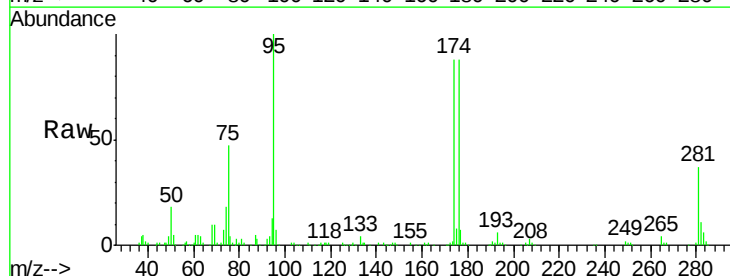
Manual Integrations
APPROVED

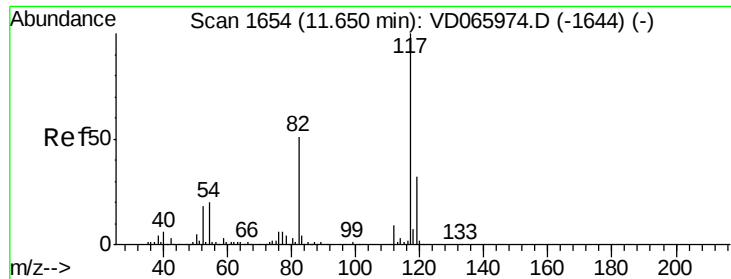
MMDadoda
7/31/2020 11:56:14 AM



#62
4-Bromofluorobenzene
Concen: 56.989 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	178.8
176	91.5	0.0	172.6





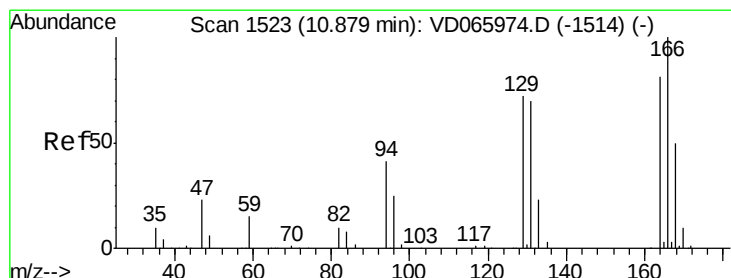
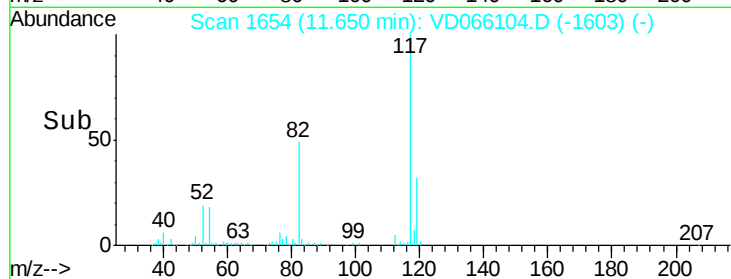
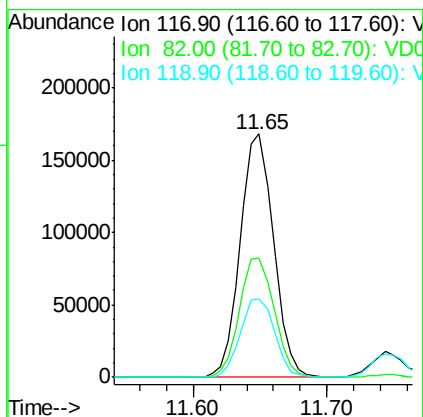
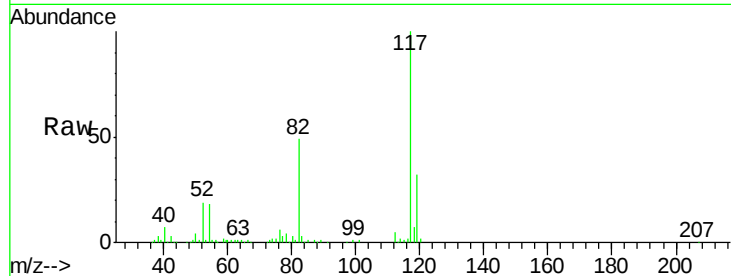
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	291308		
82	49.3		41.1	61.7
119	32.3		25.9	38.9

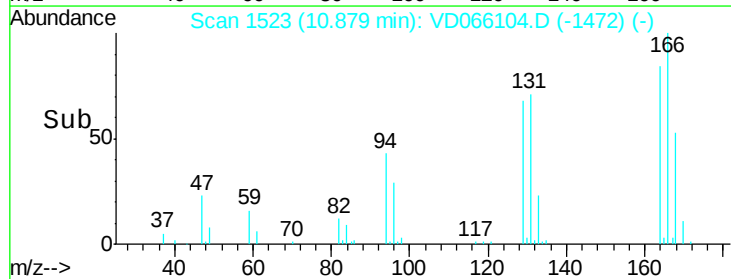
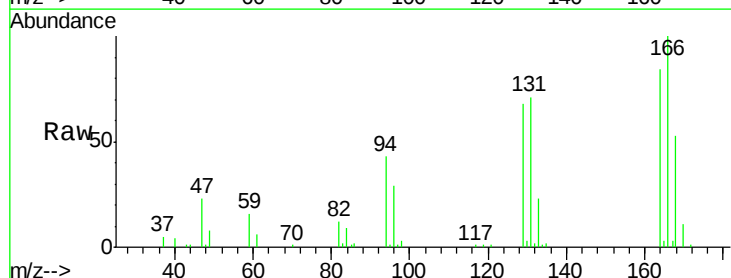
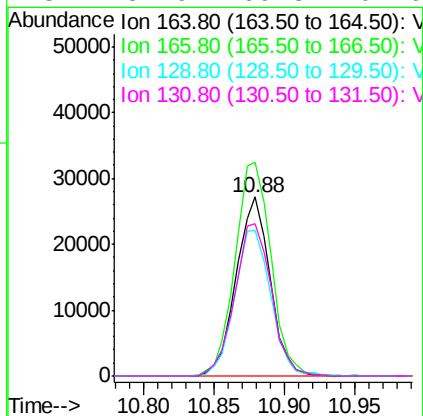
Manual Integrations
APPROVED

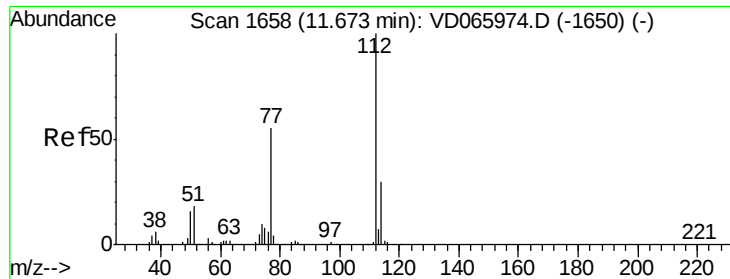
MMDadoda
7/31/2020 11:56:14 AM



#64
Tetrachloroethene
Concen: 23.007 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45489		
166	119.3		99.1	148.7
129	81.7		71.5	107.3
131	84.9		69.8	104.6





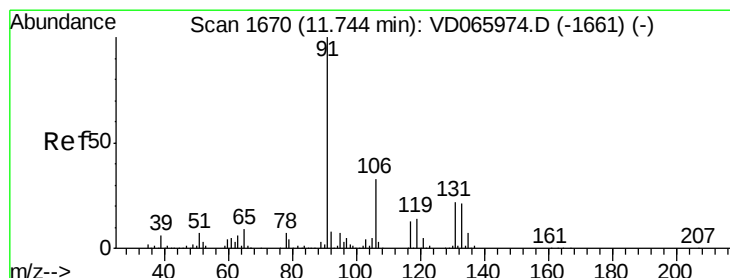
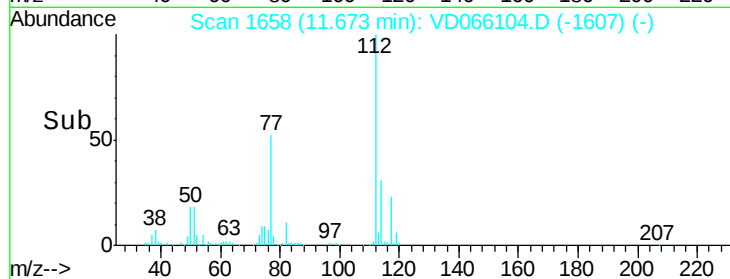
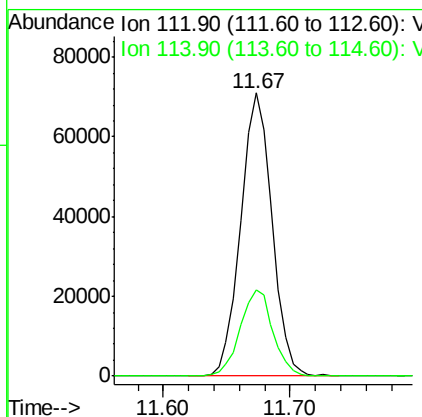
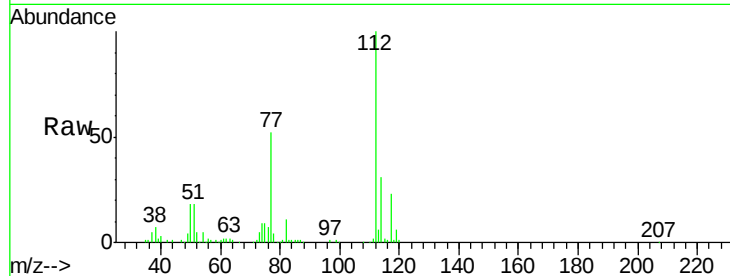
#65
Chlorobenzene
Concen: 22.819 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.6	24.4	36.6

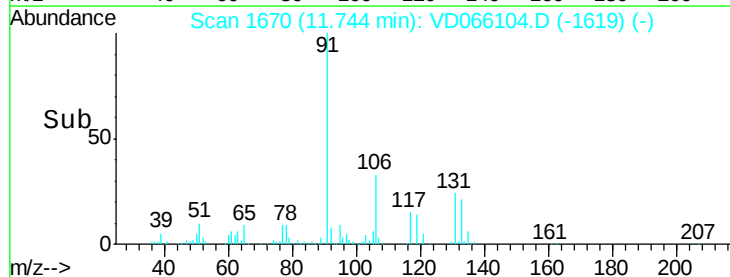
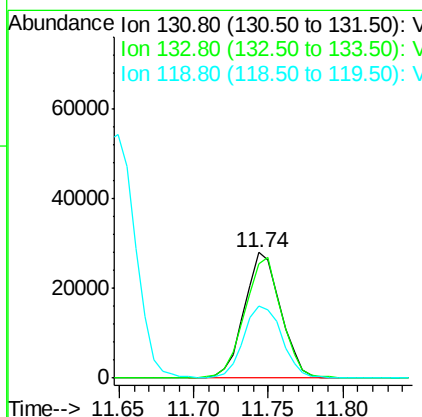
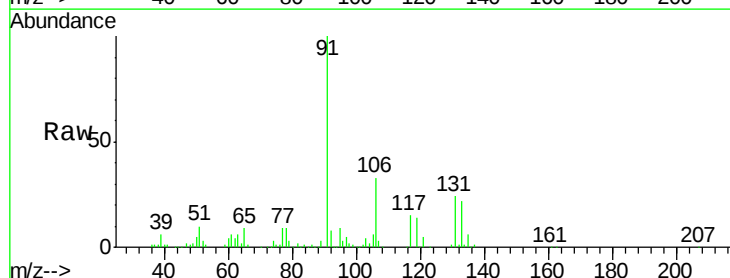
Manual Integrations
APPROVED

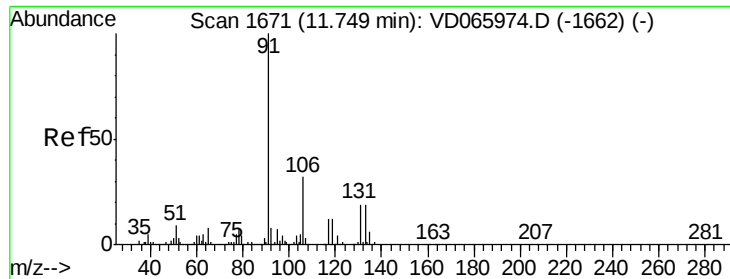
MMDadoda
7/31/2020 11:56:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.050 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.3	142.0
119	60.6	31.7	95.1





#67

Ethyl Benzene

Concen: 22.907 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 91 Resp: 210261

Ion Ratio Lower Upper

91 100

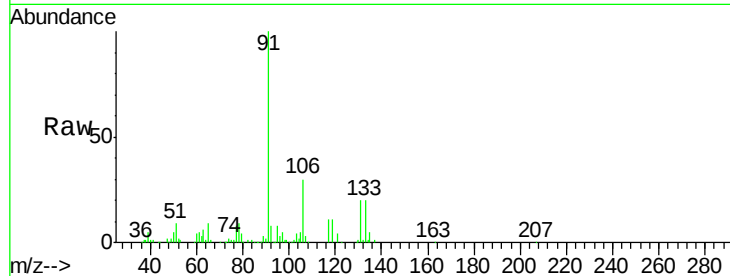
106 30.5 25.7 38.5

Manual Integrations

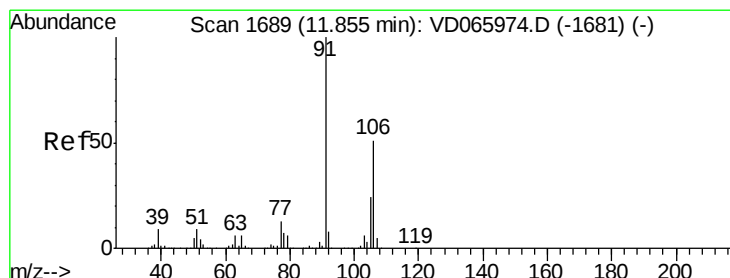
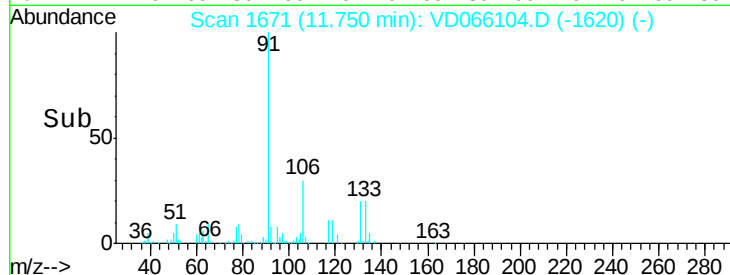
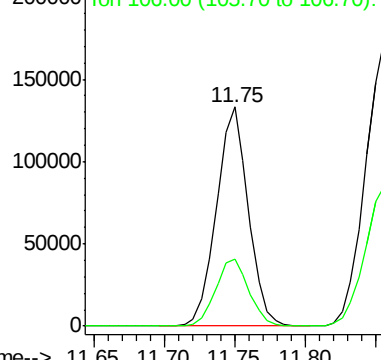
APPROVED

MMDadoda

7/31/2020 11:56:14 AM



Abundance Ion 91.00 (90.70 to 91.70): VD066104.D (-1620) (-)



#68

m/p-Xylenes

Concen: 46.832 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066104.D

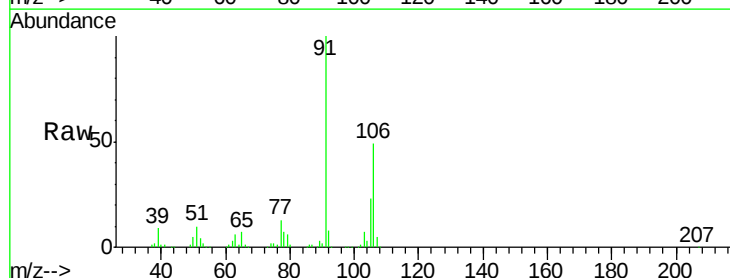
Acq: 30 Jul 2020 11:45

Tgt Ion: 106 Resp: 165222

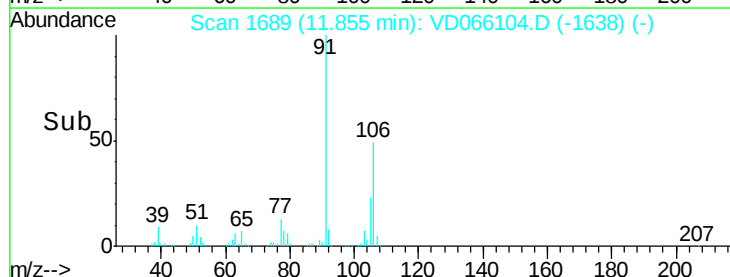
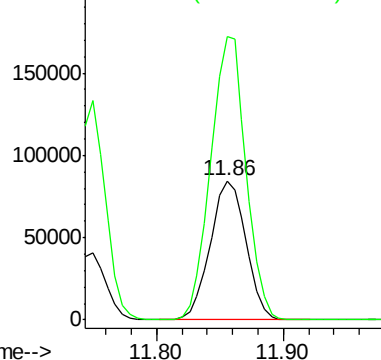
Ion Ratio Lower Upper

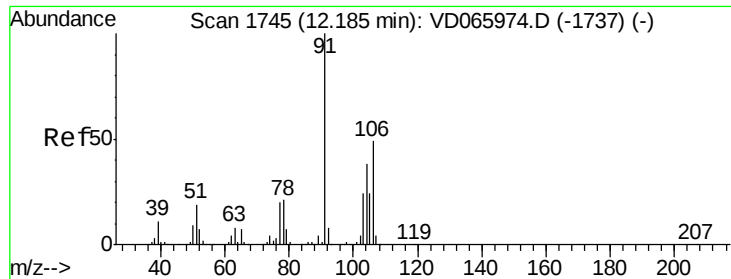
106 100

91 201.2 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): VD066104.D (-1638) (-)





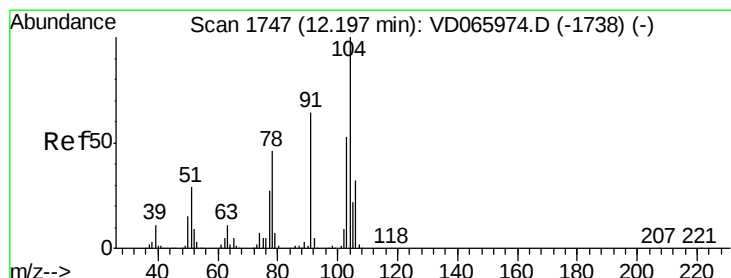
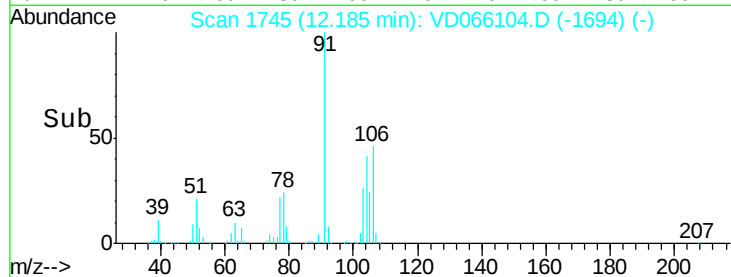
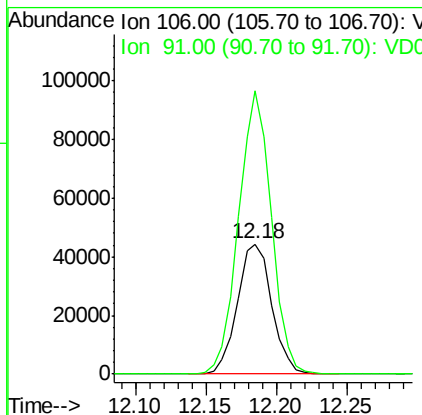
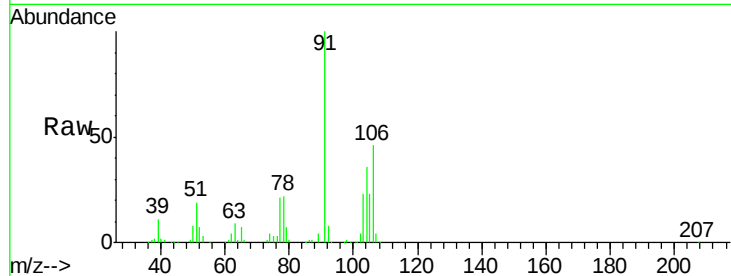
#69
o-Xylene
Concen: 23.558 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion:106 Resp: 75592
Ion Ratio Lower Upper
106 100
91 207.0 103.1 309.3

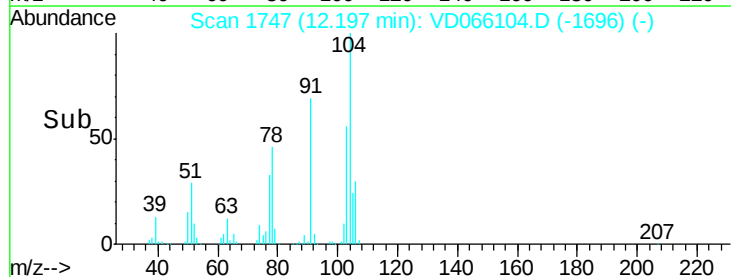
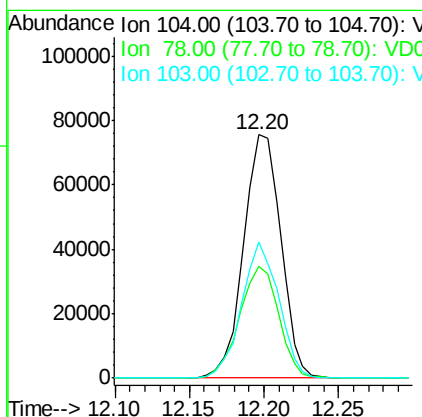
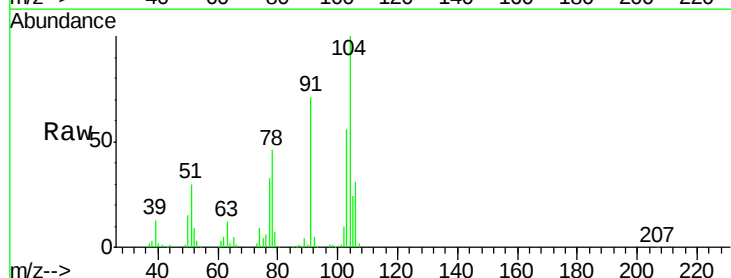
Manual Integrations
APPROVED

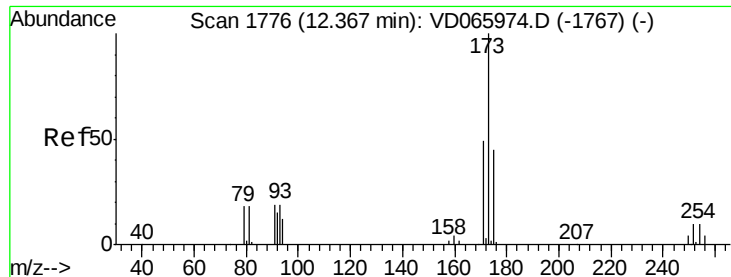
MMDadoda
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#70
Styrene
Concen: 23.699 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion:104 Resp: 130657
Ion Ratio Lower Upper
104 100
78 48.2 38.3 57.5
103 55.7 43.8 65.8





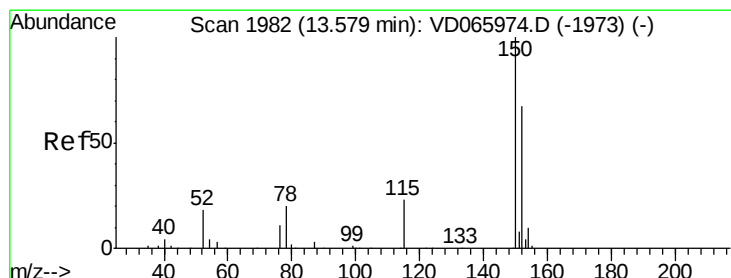
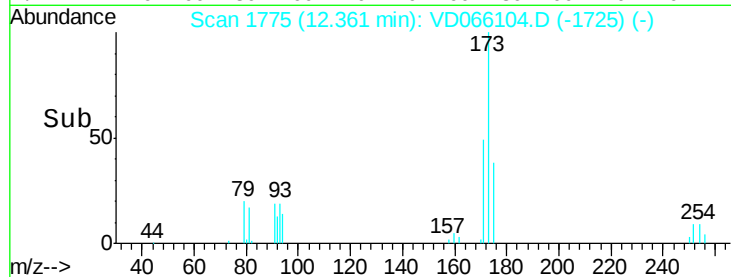
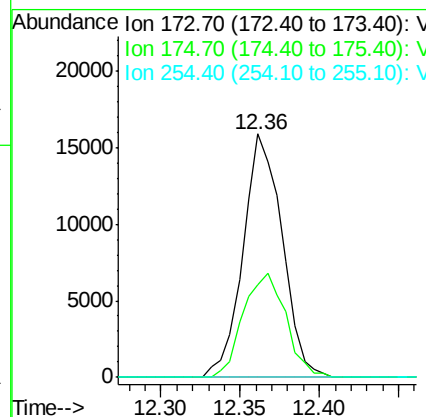
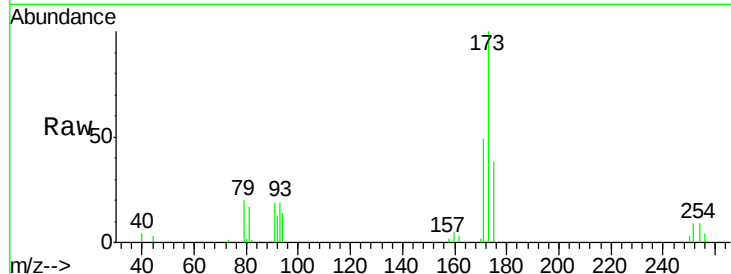
#71
Bromoform
Concen: 23.610 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.1	72.3
254	0.0	0.0	0.0

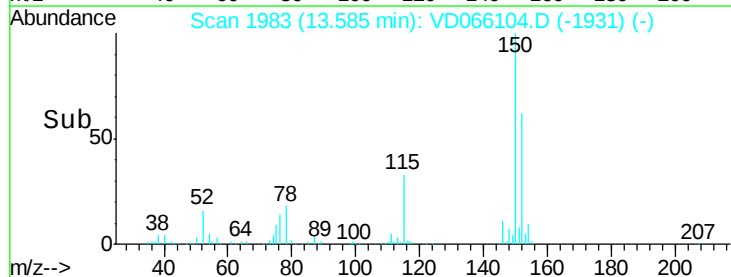
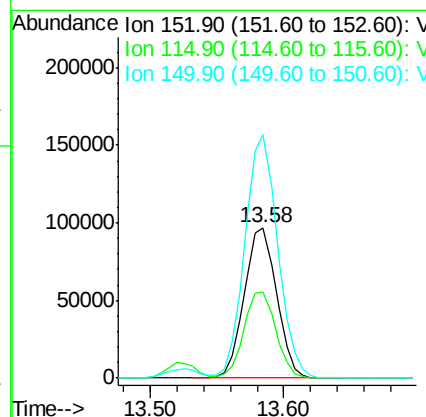
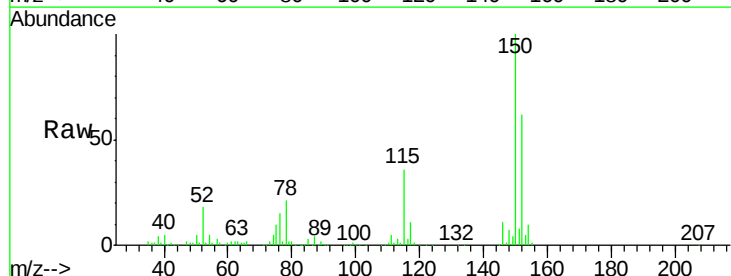
Manual Integrations
APPROVED

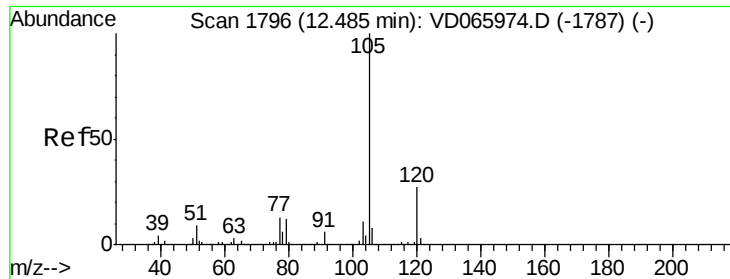
MMDadoda
7/31/2020 11:56:14 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.9	83.7
150	164.0	0.0	348.2





#73

Isopropylbenzene

Concen: 21.818 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 105 Resp: 213832

Ion Ratio Lower Upper

105 100

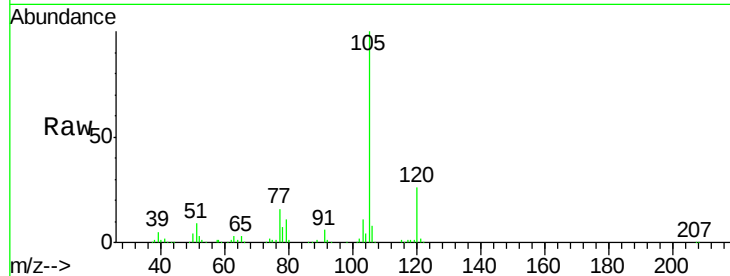
120 26.5 13.6 40.8

Manual Integrations

APPROVED

MMDadoda

7/31/2020 11:56:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

100000

50000

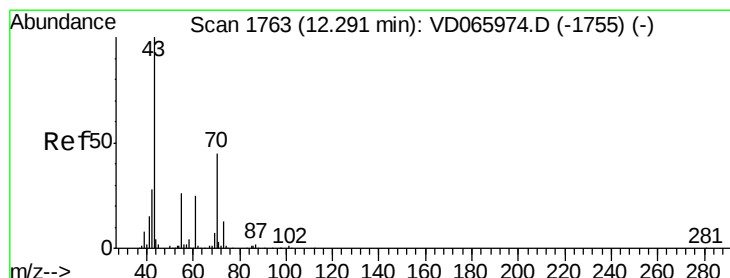
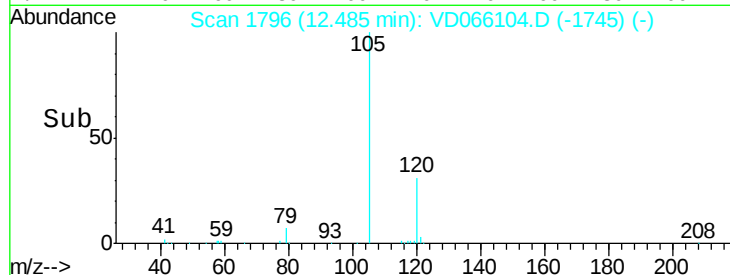
0

12.40

12.48

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.356 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Tgt Ion: 43 Resp: 37301

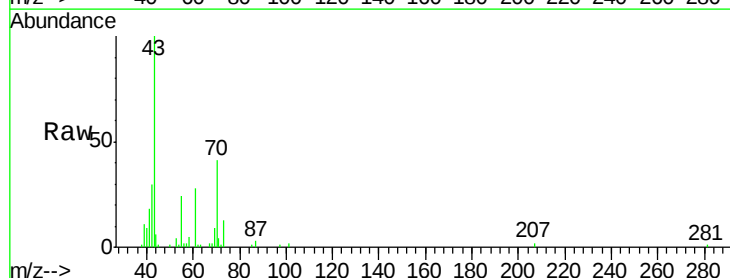
Ion Ratio Lower Upper

43 100

70 45.7 34.6 51.8

55 24.4 20.3 30.5

61 26.2 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

30000

20000

10000

0

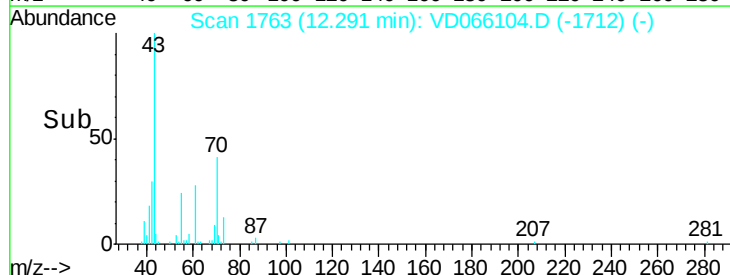
12.20

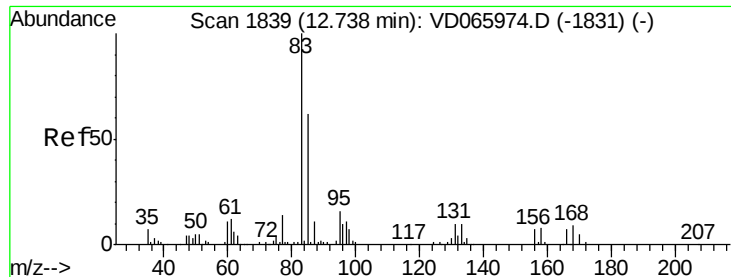
12.25

12.29

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.002 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

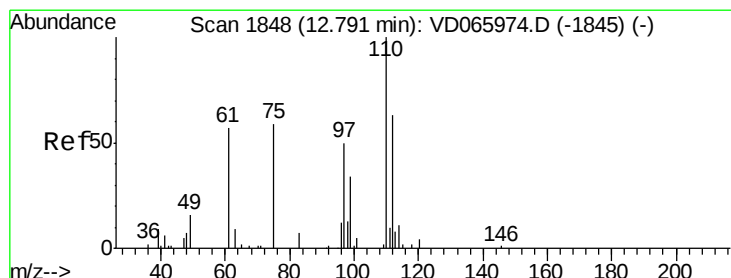
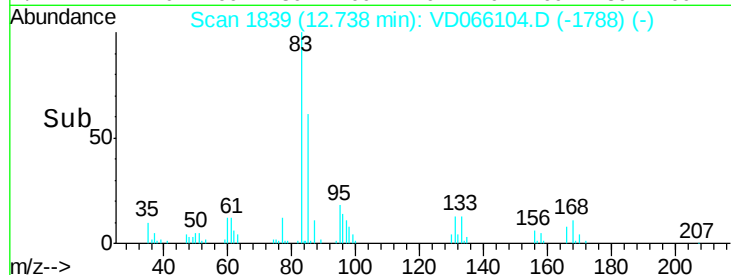
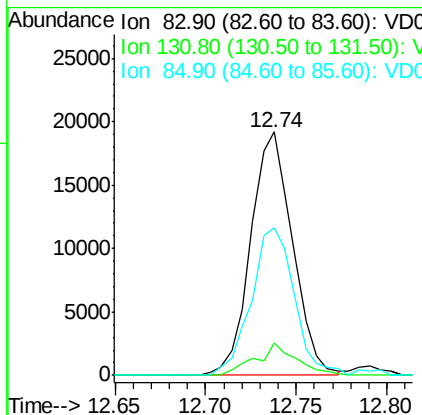
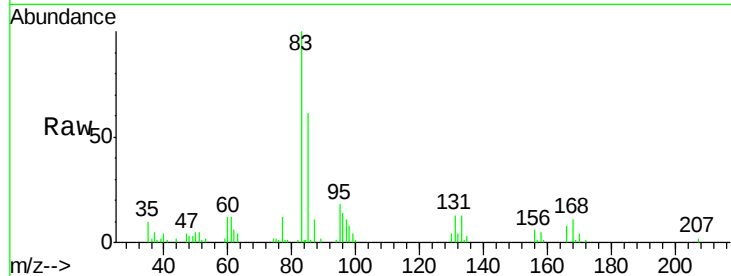
ClientSampleId :

VD0730SBS01

Tot Ion:	83	Resp:	30778
Ion Ratio	Lower	Upper	
83	100		
131	13.0	5.7	17.1
85	62.5	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 23.396 ug/l m

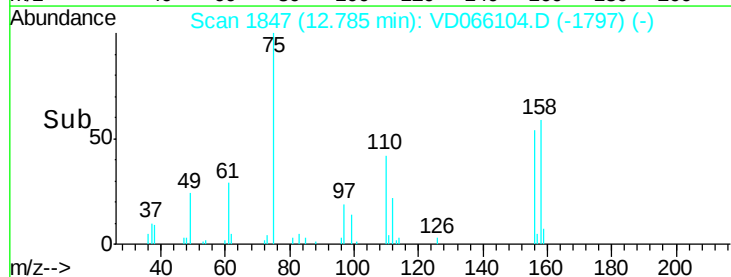
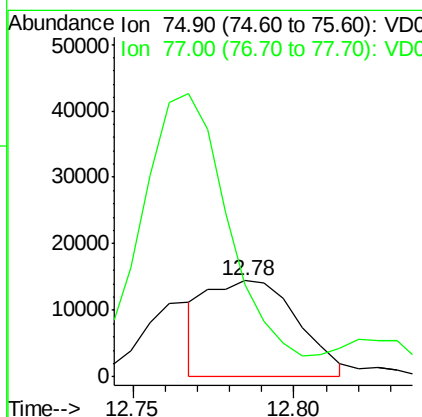
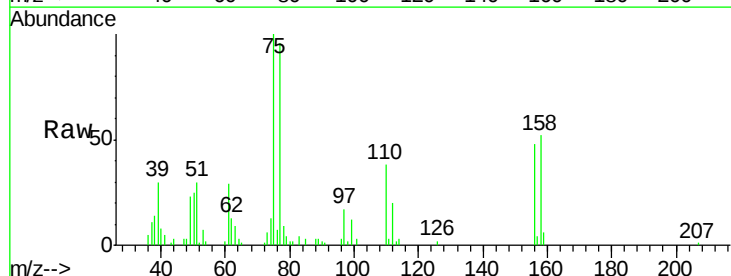
RT: 12.78 min Scan# 1847

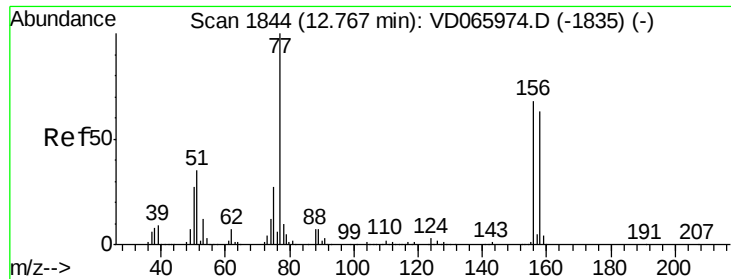
Delta R.T. -0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Tgt Ion:	75	Resp:	28533
Ion Ratio	Lower	Upper	
75	100		
77	288.7	0.0	0.0#





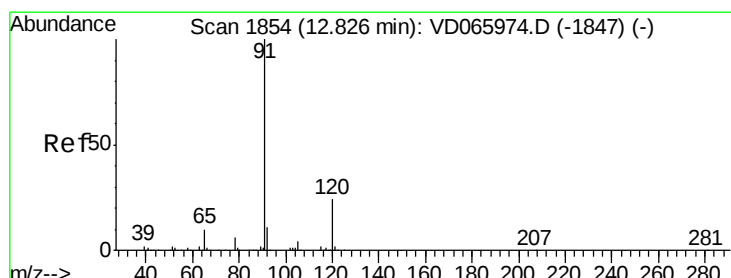
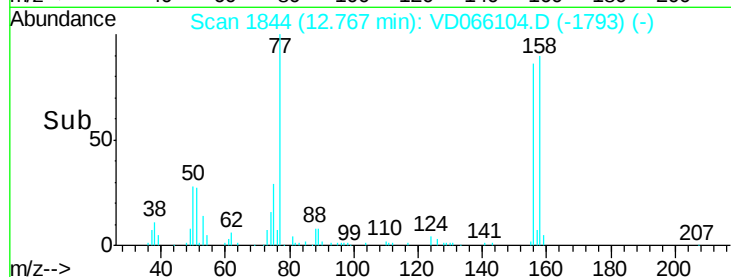
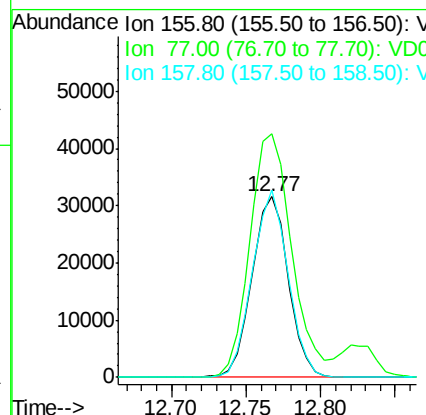
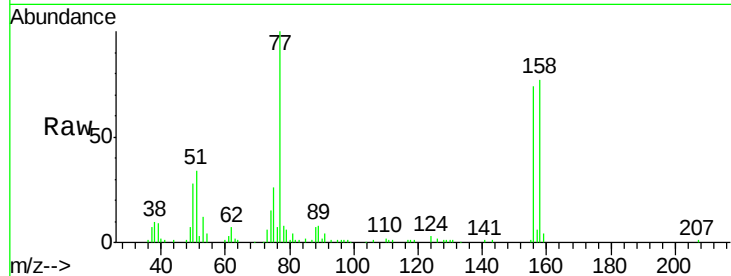
#77
Bromobenzene
Concen: 21.131 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.6	83.0	249.0
158	101.7	48.2	144.6

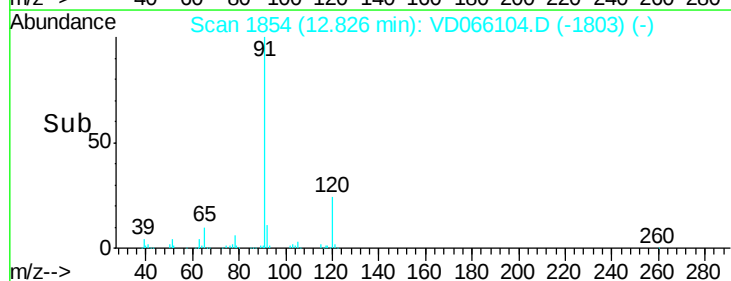
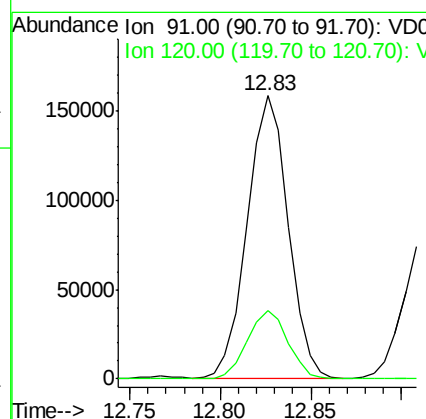
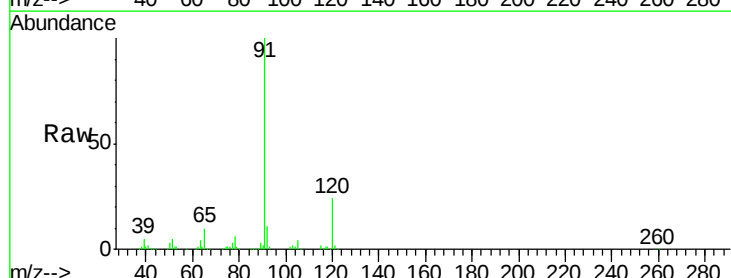
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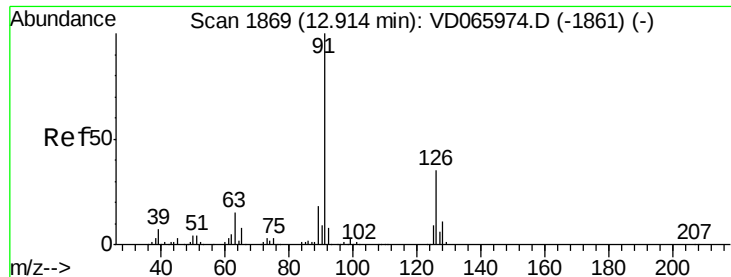
MMDadoda
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#78
n-propylbenzene
Concen: 21.849 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.0	36.0





#79

2-Chlorotoluene

Concen: 21.134 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 91 Resp: 137319

Ion Ratio Lower Upper

91 100

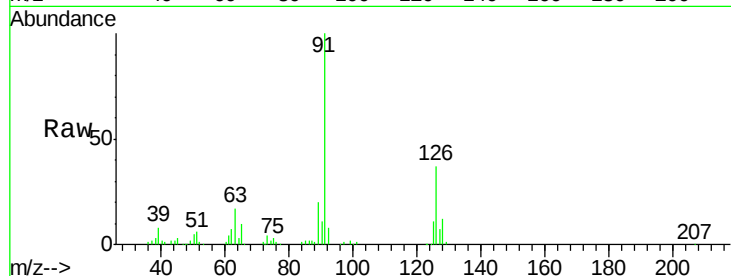
126 36.0 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD066104.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD066104.D (-1818) (-)

150000

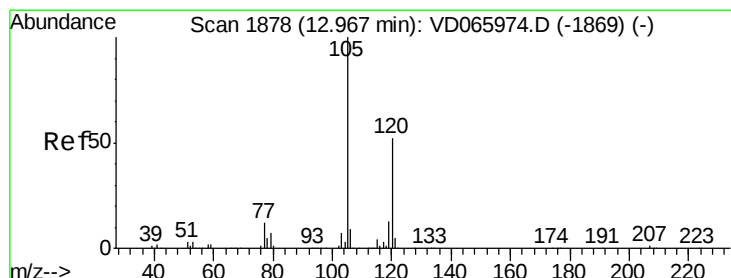
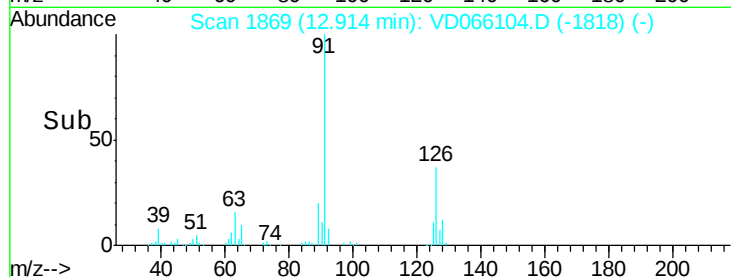
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.510 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD066104.D

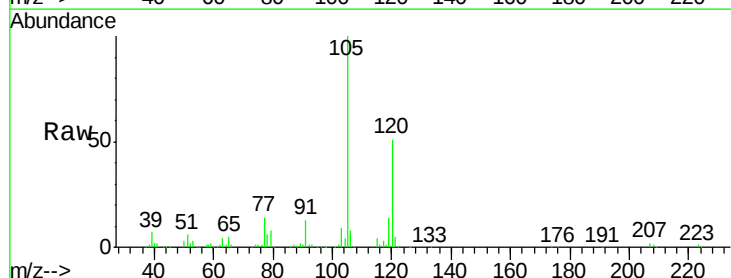
Acq: 30 Jul 2020 11:45

Tgt Ion:105 Resp: 181257

Ion Ratio Lower Upper

105 100

120 50.8 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD066104.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD066104.D (-1827) (-)

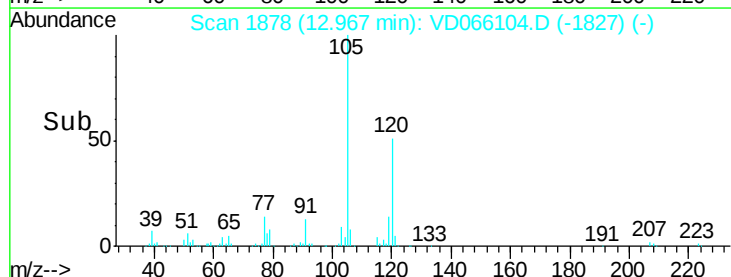
100000

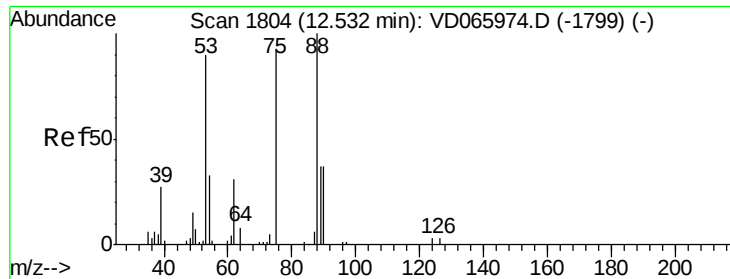
50000

0

12.90 13.00

Time-->





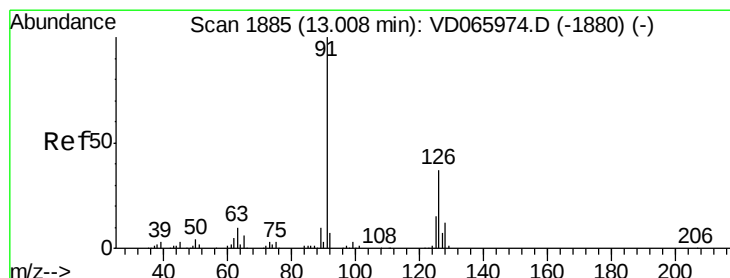
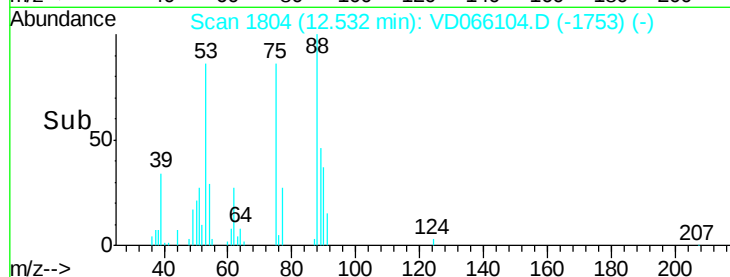
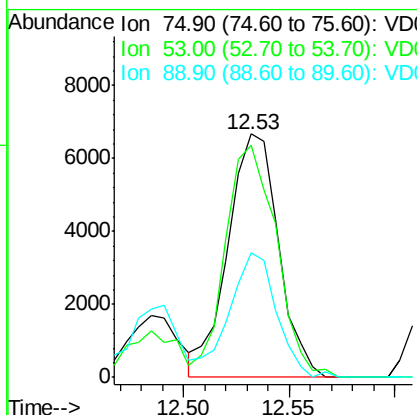
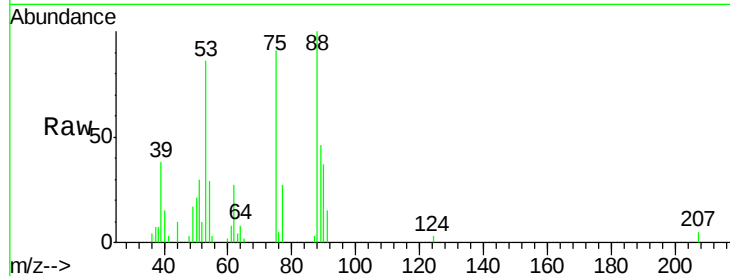
#81
trans-1,4-Dichloro-2-butene
Concen: 20.872 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	76.8	115.2
89	46.5	37.0	55.4

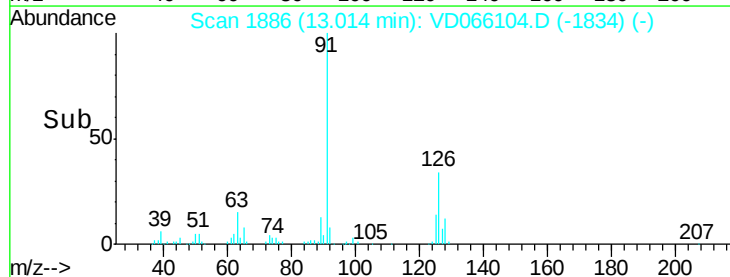
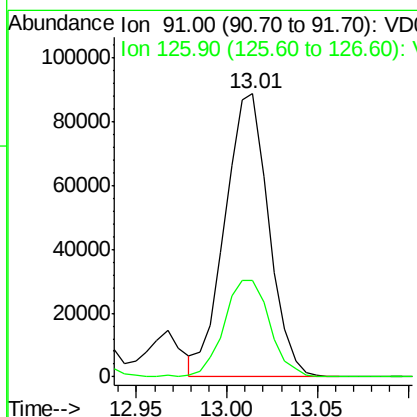
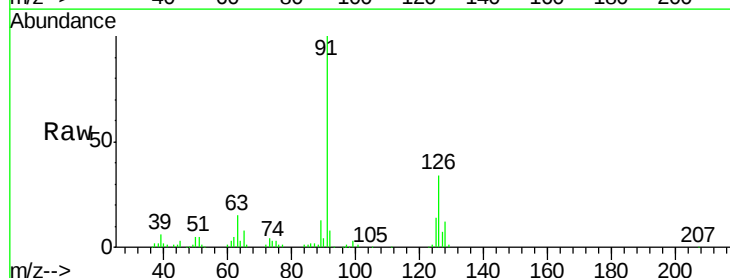
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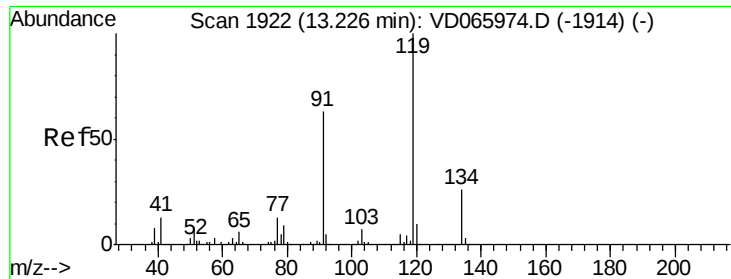
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#82
4-Chlorotoluene
Concen: 21.755 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.5





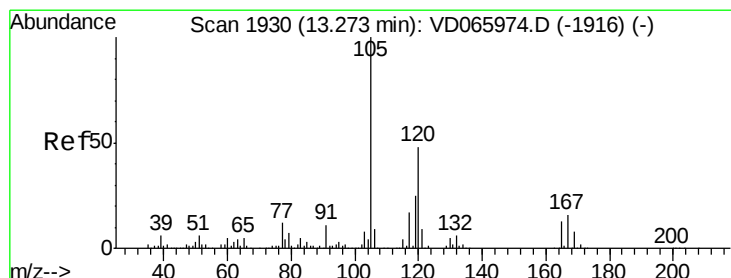
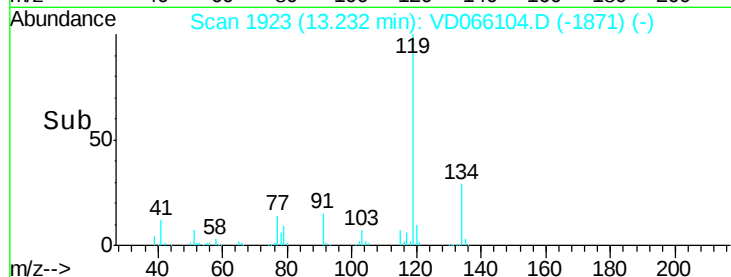
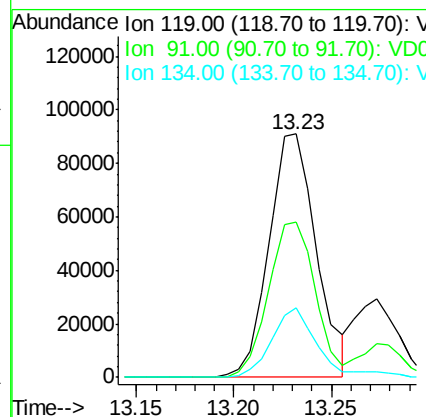
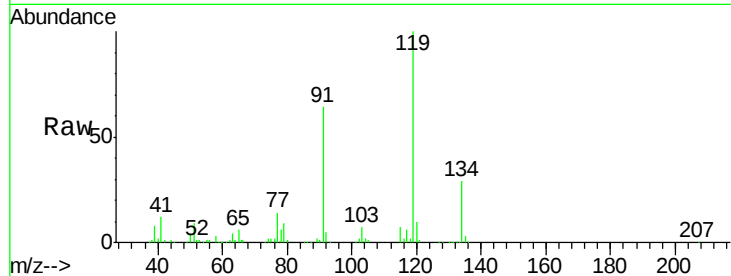
#83
tert-Butylbenzene
Concen: 21.774 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	153421		
91	62.9		30.6	91.6
134	26.3		13.9	41.7

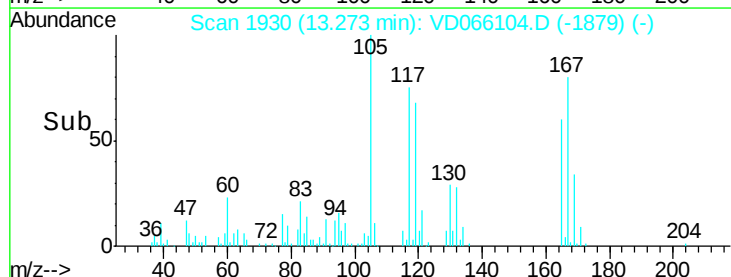
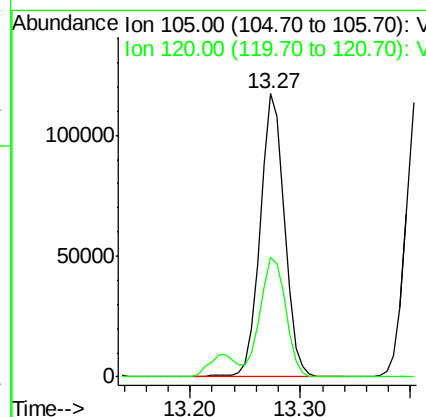
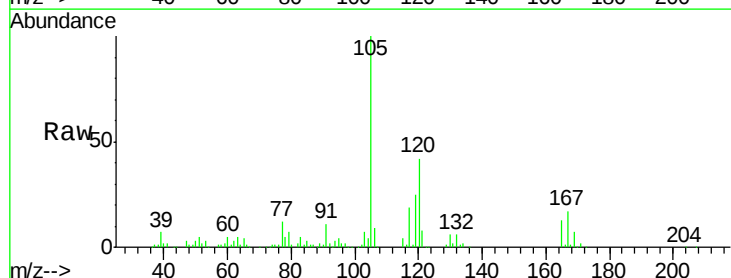
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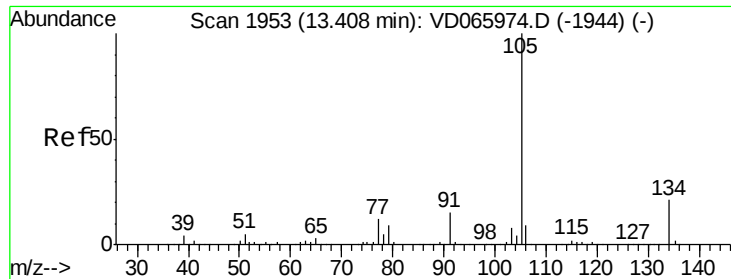
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#84
1,2,4-Trimethylbenzene
Concen: 22.889 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	181837		
120	43.8		23.9	71.8





#85

sec-Butylbenzene

Concen: 21.864 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion:105 Resp: 212196

Ion Ratio Lower Upper

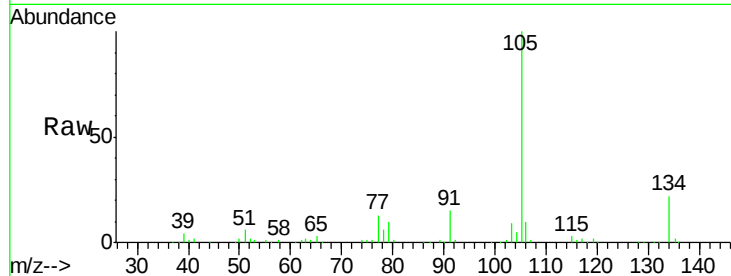
105 100

134 21.6 10.4 31.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

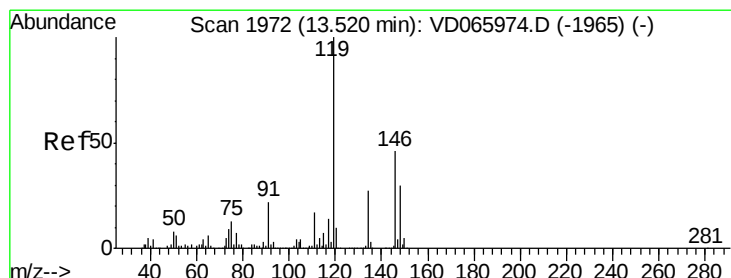
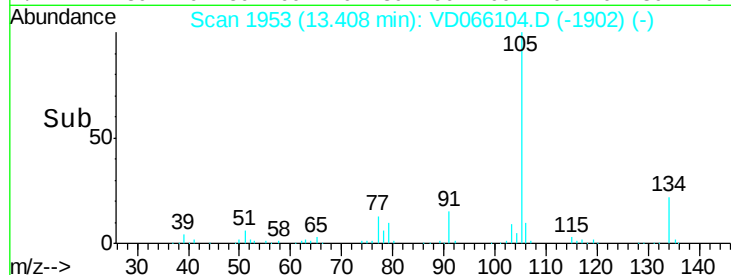
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.251 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

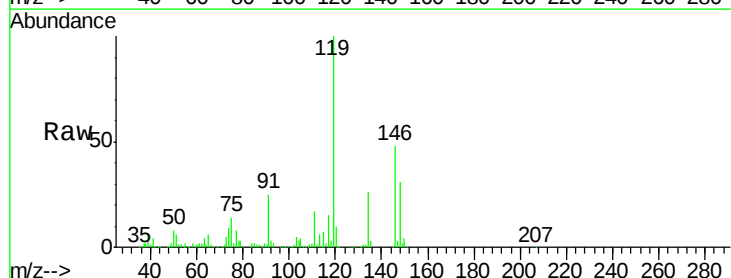
Tgt Ion:119 Resp: 205012

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

91 23.7 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

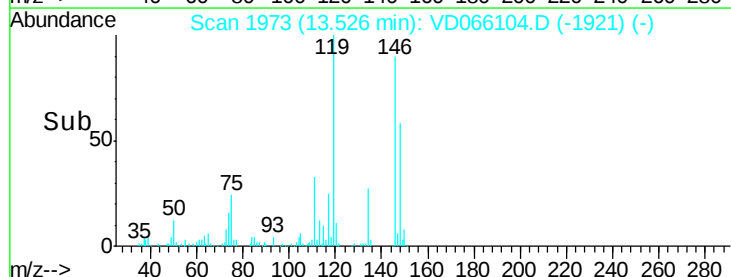
150000

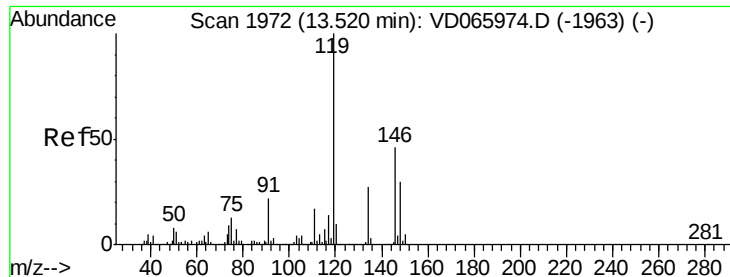
100000

50000

0

Time-->





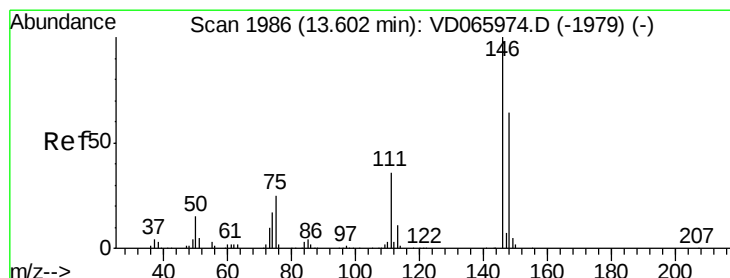
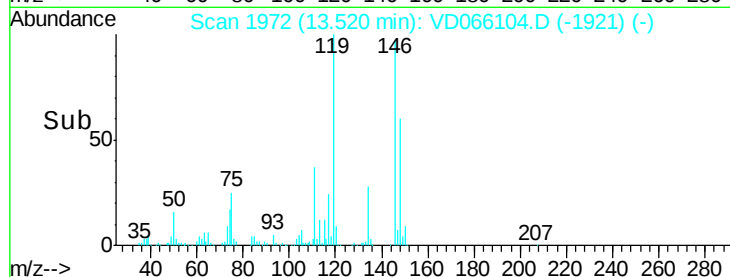
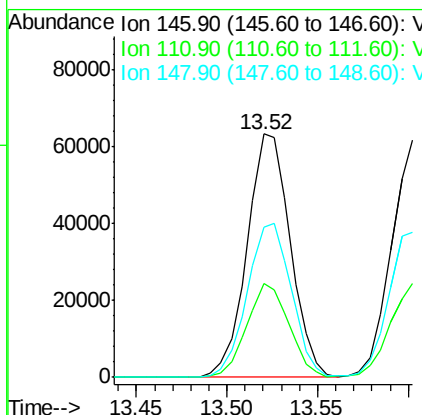
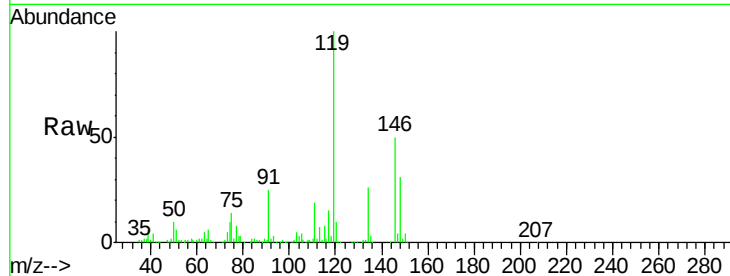
#87
 1,3-Dichlorobenzene
 Concen: 22.610 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.6
148	64.7	32.4	97.0

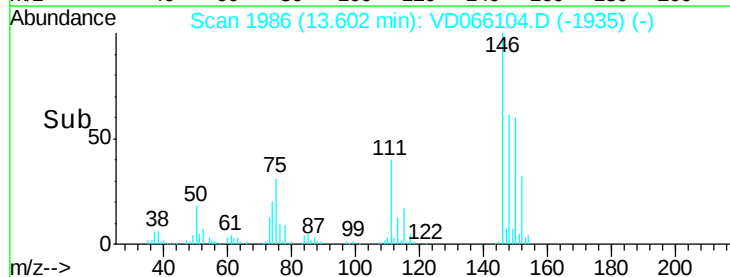
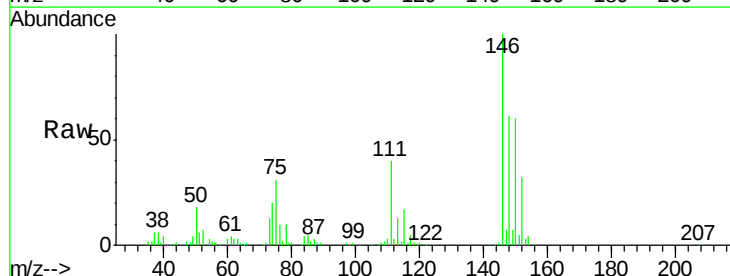
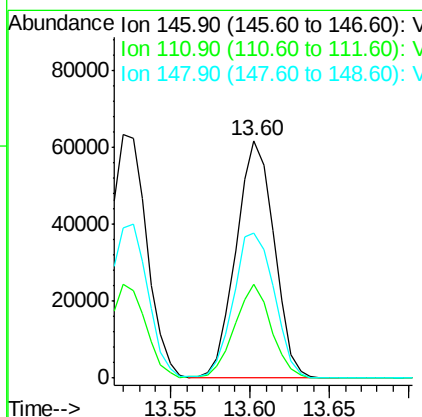
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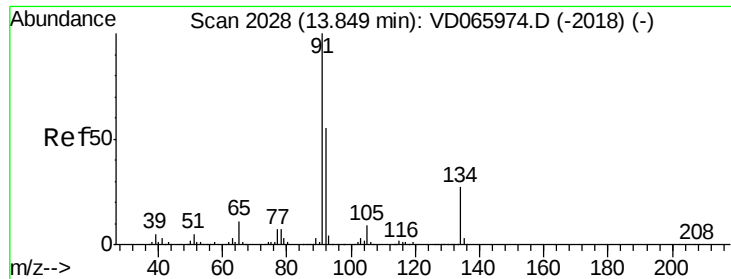
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#88
 1,4-Dichlorobenzene
 Concen: 21.981 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	65.8	32.2	96.6





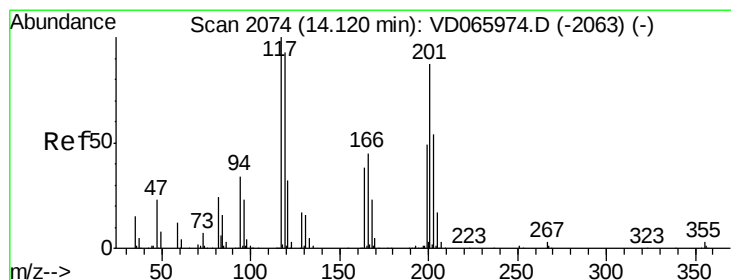
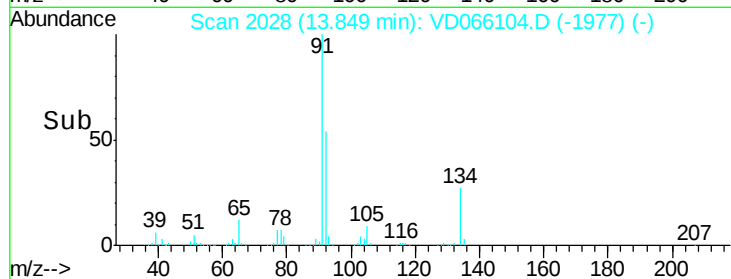
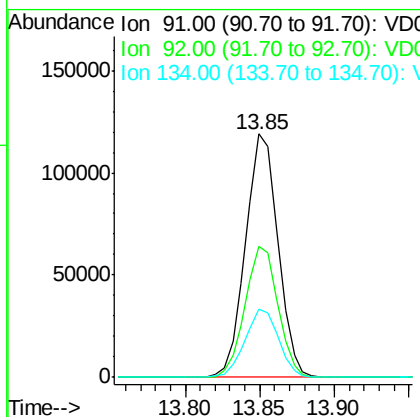
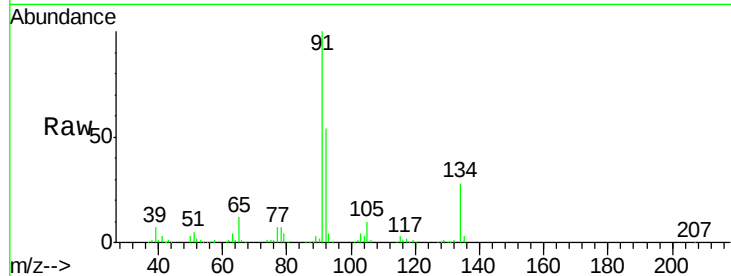
#89
n-Butylbenzene
Concen: 21.803 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.6
134	28.9	13.8	41.4

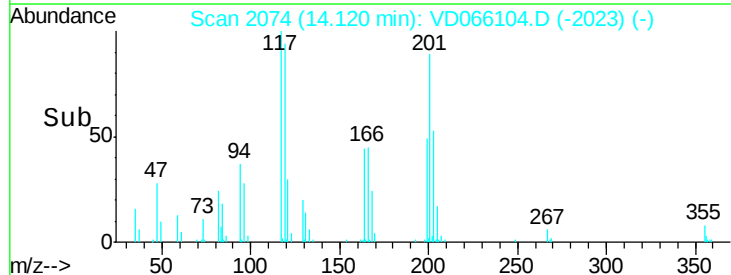
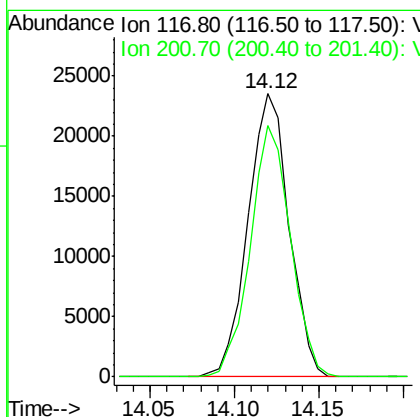
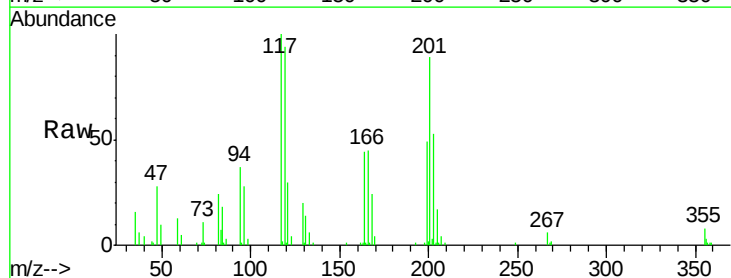
Manual Integrations
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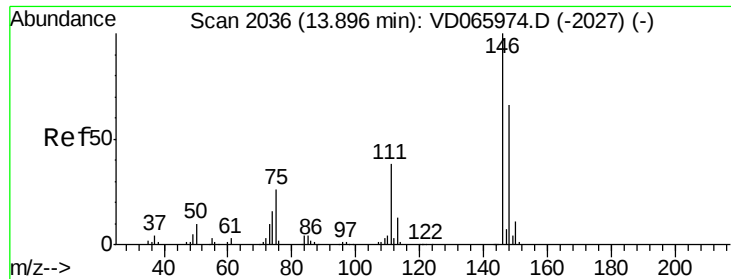
MMDadoda
7/31/2020 11:56:14 AM



#90
Hexachloroethane
Concen: 21.682 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066104.D
Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	42.0	126.1





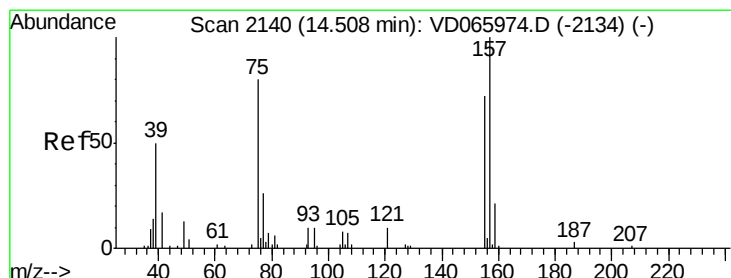
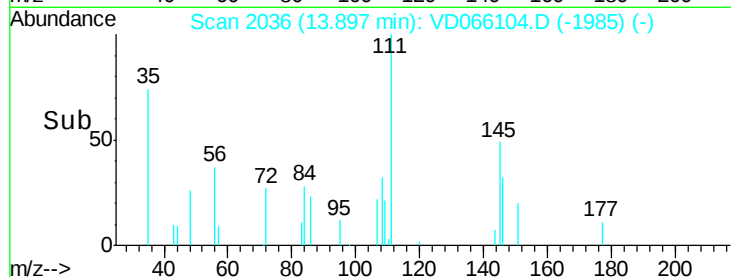
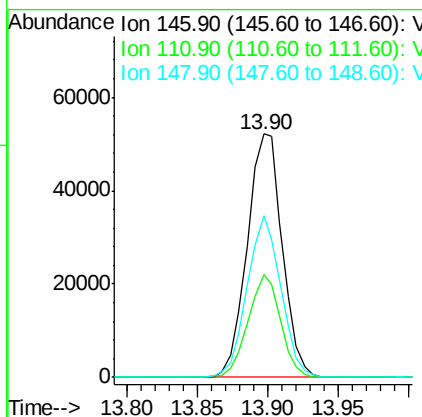
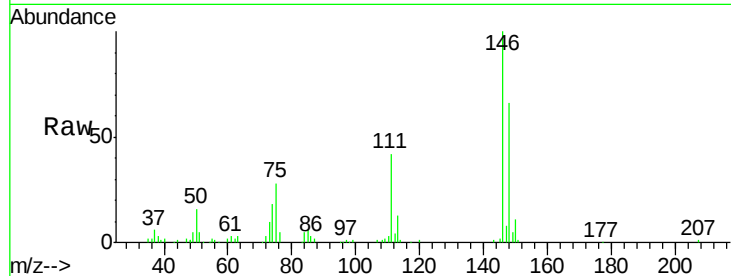
#91
 1,2-Dichlorobenzene
 Concen: 22.545 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	63.7	32.7	98.1

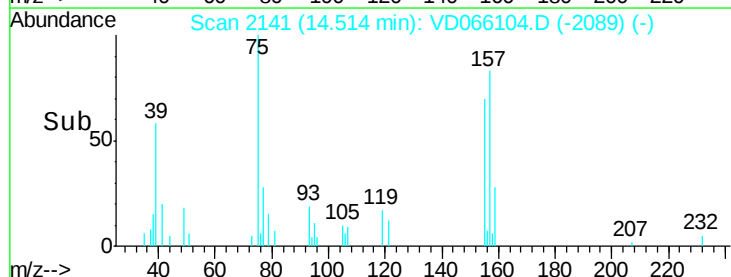
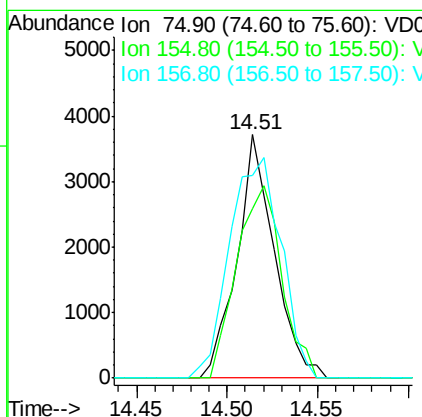
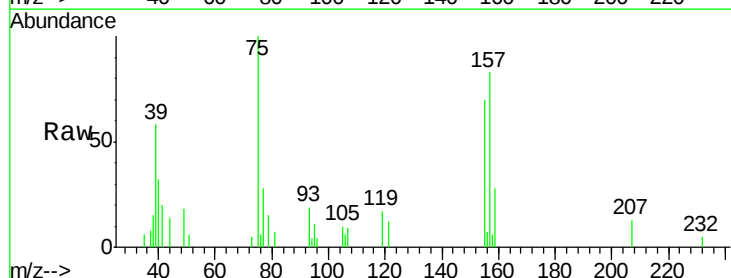
Manual Integrations
 APPROVED

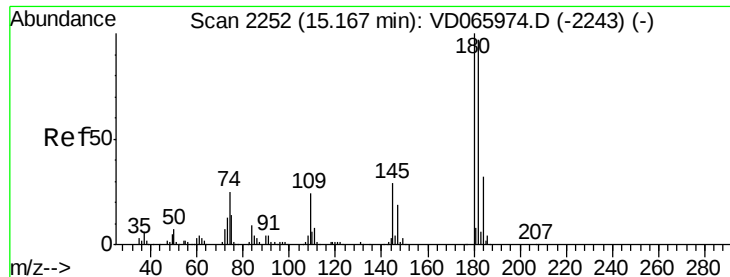
MMDadoda
 7/31/2020 11:56:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.060 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	48.5	145.5
157	124.6	64.7	194.1





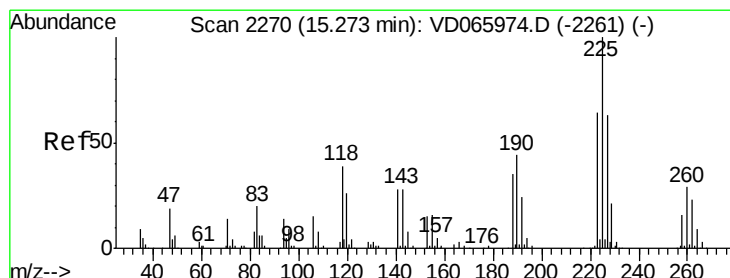
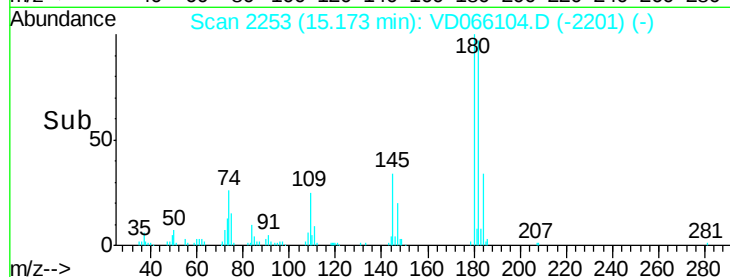
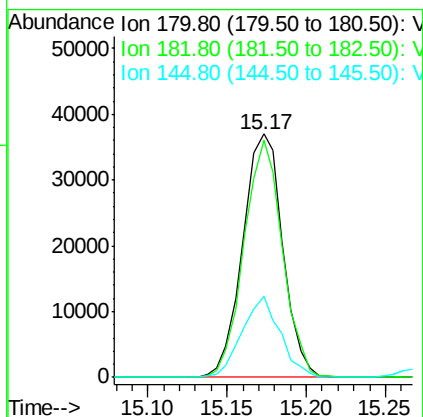
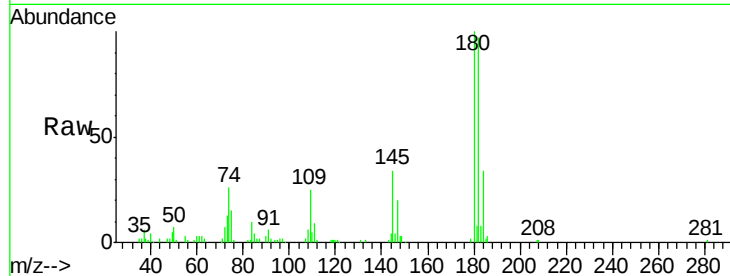
#93
 1,2,4-Trichlorobenzene
 Concen: 22.419 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.1	144.3
145	31.7	14.7	44.1

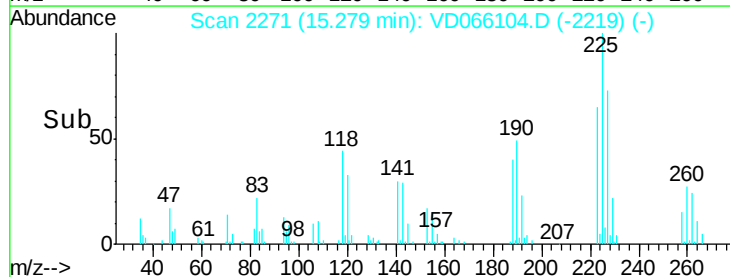
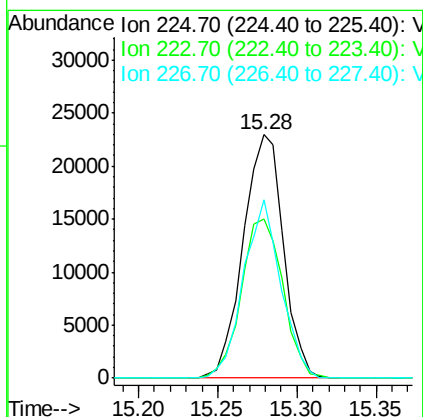
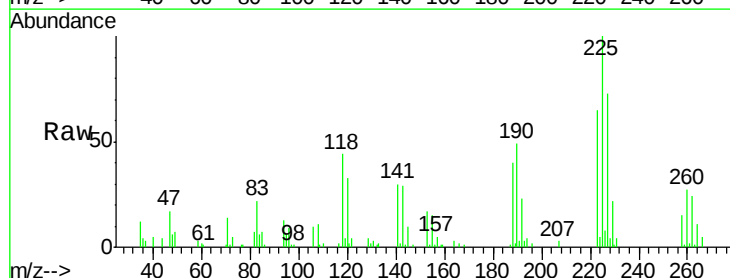
Manual Integrations
 APPROVED

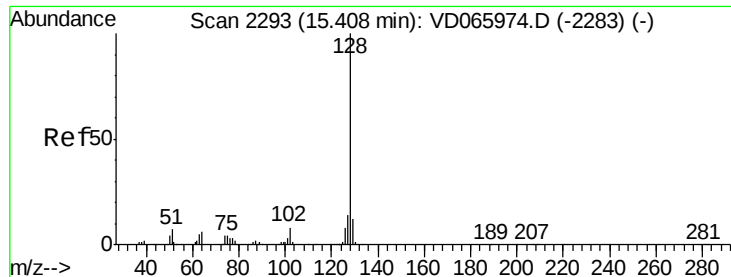
MMDadoda
 7/31/2020 11:56:14 AM



#94
 Hexachlorobutadiene
 Concen: 22.662 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066104.D
 Acq: 30 Jul 2020 11:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.6	31.2	93.6
227	67.9	31.6	94.8





#95

Naphthalene

Concen: 21.397 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Instrument :

MSVOA_D

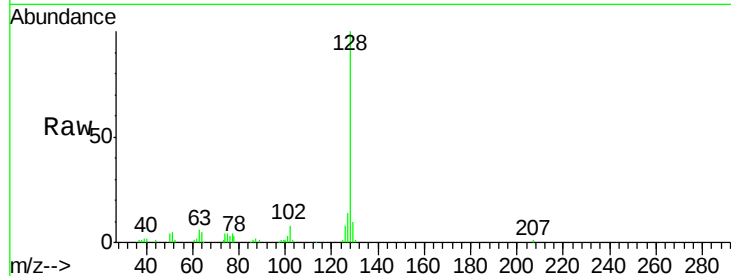
ClientSampleId :

VD0730SBS01

Tot Ion:	128	Resp:	98827
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.8	16.2
129	10.9	8.9	13.3

Manual Integrations
APPROVED

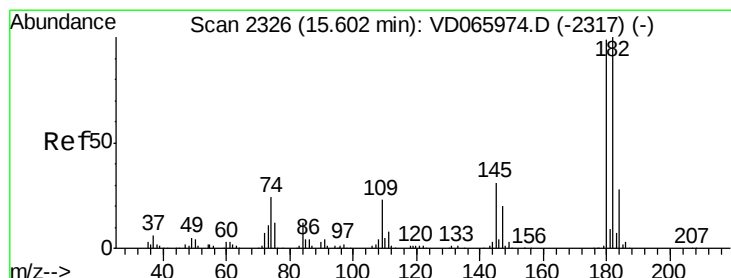
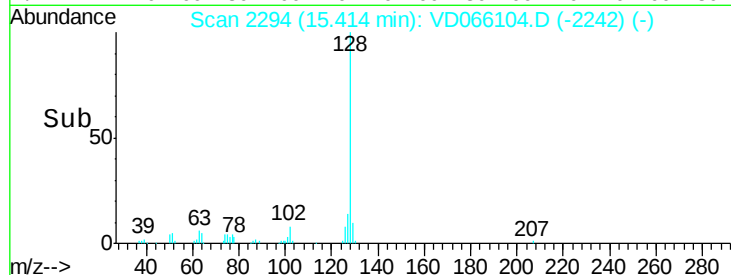
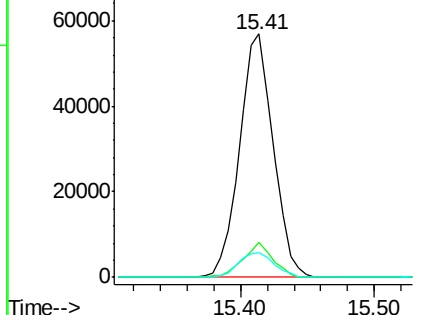
MMDadoda
7/31/2020 11:56:14 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.577 ug/l

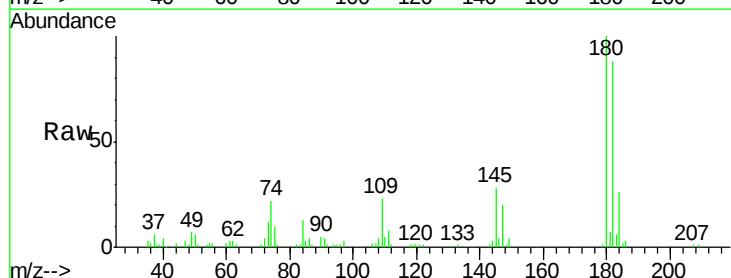
RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066104.D

Acq: 30 Jul 2020 11:45

Tgt Ion:	180	Resp:	56773
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.9	143.6
145	30.9	15.4	46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

