

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066630.D
 Acq On : 10 Sep 2020 23:55
 Operator : VA/SY
 Sample : VD0910SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:18:02 AM

Quant Time: Sep 11 03:15:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	321386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	568757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	523147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	239624	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	224837	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	
35) Dibromofluoromethane	7.91	113	206910	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
50) Toluene-d8	10.34	98	753555	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
62) 4-Bromofluorobenzene	12.63	95	246187	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	63262	21.598	ug/l	92
3) Chloromethane	2.21	50	91413	22.491	ug/l	97
4) Vinyl Chloride	2.35	62	90097	19.986	ug/l	99
5) Bromomethane	2.76	94	64624	19.941	ug/l	89
6) Chloroethane	2.92	64	58641	20.481	ug/l	100
7) Trichlorofluoromethane	3.27	101	138815	20.845	ug/l	94
8) Diethyl Ether	3.70	74	38358	22.874	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	72997	20.254	ug/l	98
10) Methyl Iodide	4.30	142	65094	22.231	ug/l	100
11) Tert butyl alcohol	5.21	59	32704	108.816	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	68500	21.155	ug/l	99
13) Acrolein	3.92	56	13972	87.878	ug/l	92
14) Allyl chloride	4.72	41	114956	21.663	ug/l	100
15) Acrylonitrile	5.43	53	85670	118.926	ug/l	99
16) Acetone	4.16	43	67716	94.646	ug/l	96
17) Carbon Disulfide	4.40	76	227314	21.355	ug/l	96
18) Methyl Acetate	4.72	43	42131	24.703	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	173801	22.889	ug/l	100
20) Methylene Chloride	4.97	84	105495	23.556	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	84569	21.994	ug/l	94
22) Diisopropyl ether	6.36	45	257444	23.591	ug/l	98
23) Vinyl Acetate	6.30	43	700274	112.764	ug/l	99
24) 1,1-Dichloroethane	6.27	63	154715	22.545	ug/l	98
25) 2-Butanone	7.21	43	106098	110.469	ug/l	96
26) 2,2-Dichloropropane	7.20	77	120812	19.192	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	91440	22.114	ug/l	99
28) Bromochloromethane	7.55	49	55302	20.932	ug/l	98
29) Tetrahydrofuran	7.56	42	70041	117.096	ug/l	99
30) Chloroform	7.71	83	165200	22.754	ug/l	95
31) Cyclohexane	7.98	56	126161	19.888	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	143487	21.021	ug/l	99
36) 1,1-Dichloropropene	8.11	75	117163	19.794	ug/l	99
37) Ethyl Acetate	7.29	43	50883	21.589	ug/l #	89
38) Carbon Tetrachloride	8.09	117	124695	19.931	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	125156	18.936	ug/l	94
40) Benzene	8.34	78	336576	20.762	ug/l	99
41) Methacrylonitrile	7.51	41	26116m	22.891	ug/l	
42) 1,2-Dichloroethane	8.42	62	109568	20.860	ug/l	100
43) Isopropyl Acetate	8.45	43	94697	20.965	ug/l	98
44) Trichloroethene	9.11	130	88776	20.877	ug/l	91
45) 1,2-Dichloropropane	9.38	63	85677	21.016	ug/l	98
46) Dibromomethane	9.47	93	48002	21.342	ug/l	95
47) Bromodichloromethane	9.66	83	126926	20.858	ug/l #	97
48) Methyl methacrylate	9.45	41	47375	20.743	ug/l	93
49) 1,4-Dioxane	9.46	88	10498	425.445	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	250390	109.919	ug/l	99
52) Toluene	10.40	92	220514	21.489	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	111627	20.780	ug/l	92
54) cis-1,3-Dichloropropene	10.08	75	131616	20.402	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	63882	22.090	ug/l	97
56) Ethyl methacrylate	10.65	69	71903	21.354	ug/l #	95
57) 1,3-Dichloropropane	10.94	76	108358	21.392	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	181265	117.696	ug/l	98
59) 2-Hexanone	10.98	43	163584	106.786	ug/l	99
60) Dibromochloromethane	11.14	129	81772	21.383	ug/l	99
61) 1,2-Dibromoethane	11.24	107	63512	22.574	ug/l	96
64) Tetrachloroethene	10.88	164	67817	19.253	ug/l	94
65) Chlorobenzene	11.67	112	222772	20.632	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	85569	20.765	ug/l	99
67) Ethyl Benzene	11.74	91	385621	19.450	ug/l	99
68) m/p-Xylenes	11.85	106	299446	40.677	ug/l	97
69) o-Xylene	12.18	106	132871	20.140	ug/l	97
70) Styrene	12.20	104	238754	20.816	ug/l	99
71) Bromoform	12.36	173	43188	20.796	ug/l #	98
73) Isopropylbenzene	12.48	105	371003	20.912	ug/l	99
74) N-amyl acetate	12.29	43	85906	21.379	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	68142	21.741	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	44236m	19.195	ug/l	
77) Bromobenzene	12.76	156	84586	21.385	ug/l	97
78) n-propylbenzene	12.82	91	448925	20.873	ug/l	100
79) 2-Chlorotoluene	12.91	91	256002	21.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	310396	20.787	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18792	19.037	ug/l	93
82) 4-Chlorotoluene	13.00	91	276241	21.410	ug/l	98
83) tert-Butylbenzene	13.23	119	253346	20.776	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	307583	20.689	ug/l	100
85) sec-Butylbenzene	13.40	105	357730	20.362	ug/l	99
86) p-Isopropyltoluene	13.52	119	319922	20.232	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	161535	20.571	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	164229	20.837	ug/l	99
89) n-Butylbenzene	13.84	91	296588	19.248	ug/l	99
90) Hexachloroethane	14.11	117	67499	19.811	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	143867	20.961	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11490	21.580	ug/l	93

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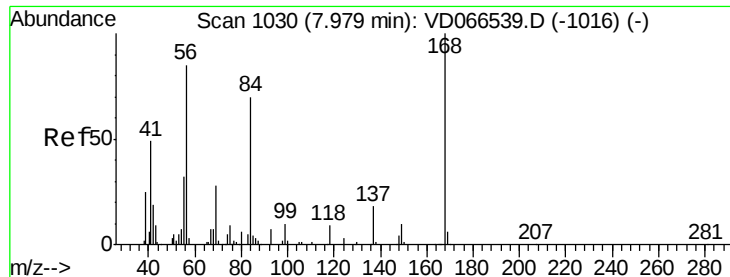
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83086	20.171	ug/l	98
94) Hexachlorobutadiene	15.27	225	46105	18.631	ug/l	96
95) Naphthalene	15.41	128	148080	20.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	71674	20.409	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion:168 Resp: 321386

Ion Ratio Lower Upper

168 100

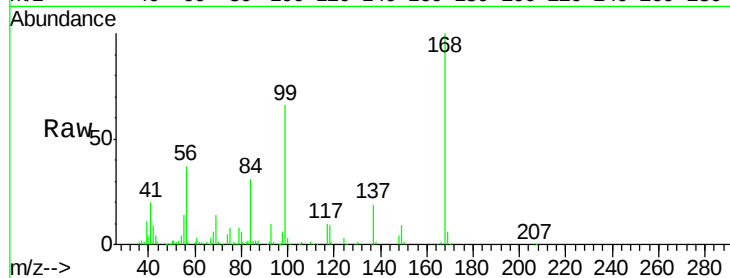
99 65.4 50.5 75.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

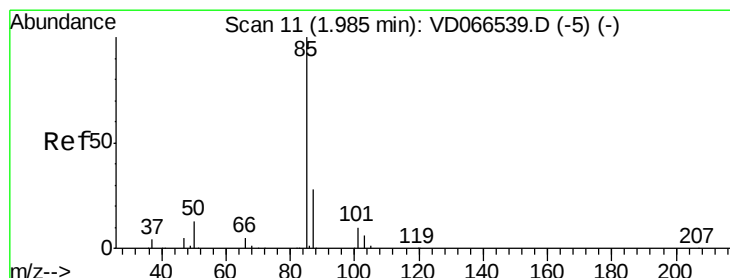
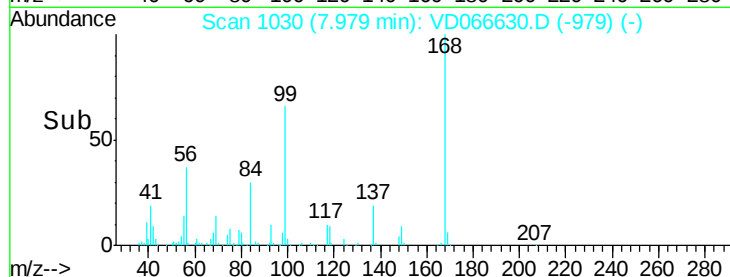
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.598 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066630.D

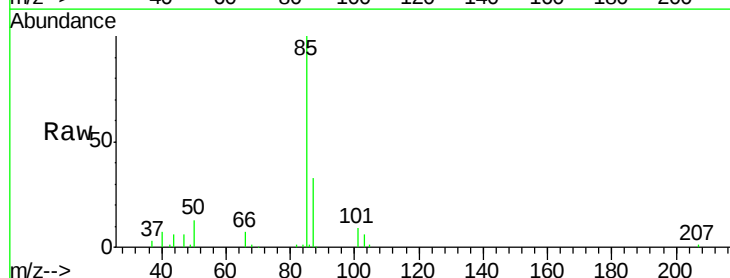
Acq: 10 Sep 2020 23:55

Tgt Ion: 85 Resp: 63262

Ion Ratio Lower Upper

85 100

87 32.5 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

50000

40000

30000

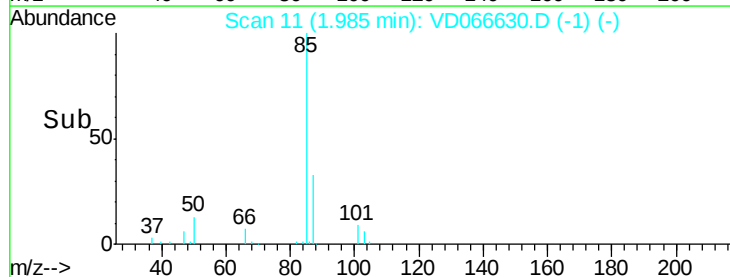
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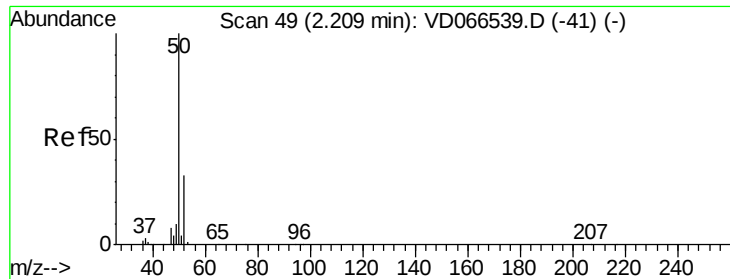
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.491 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 50 Resp: 91413

Ion Ratio Lower Upper

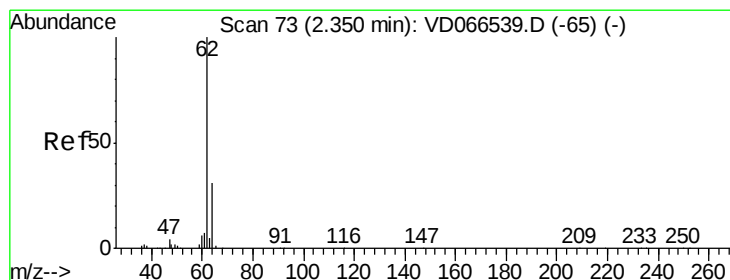
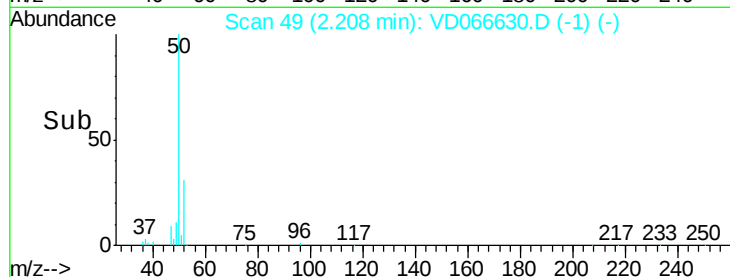
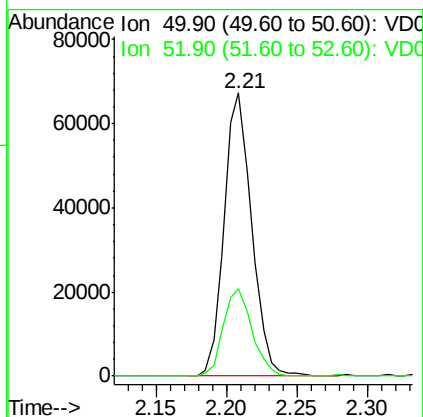
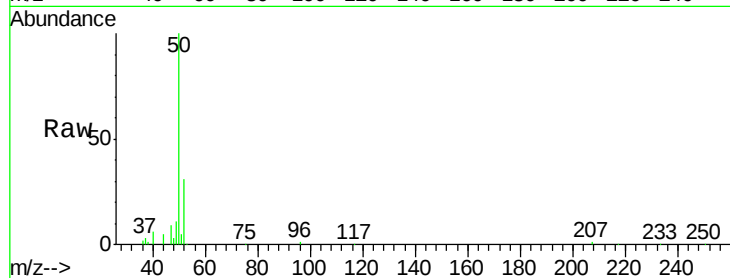
50 100

52 30.8 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.986 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066630.D

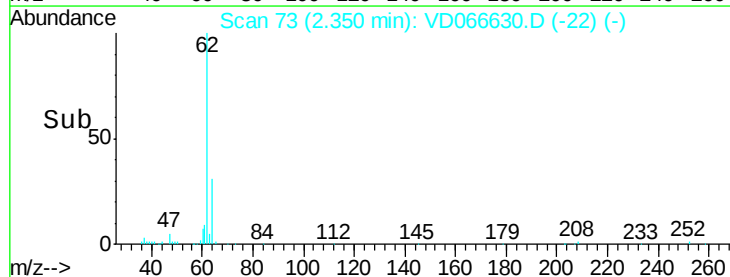
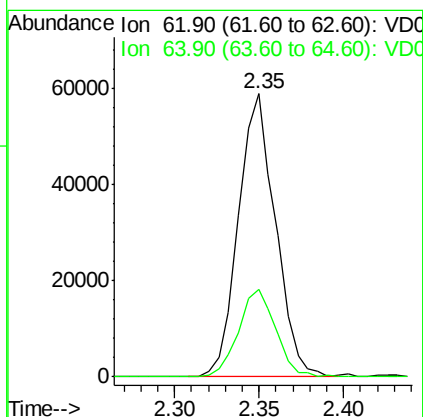
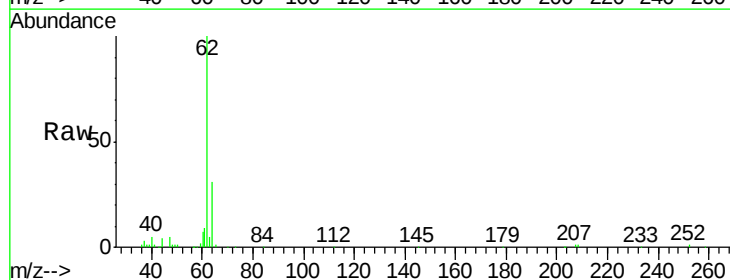
Acq: 10 Sep 2020 23:55

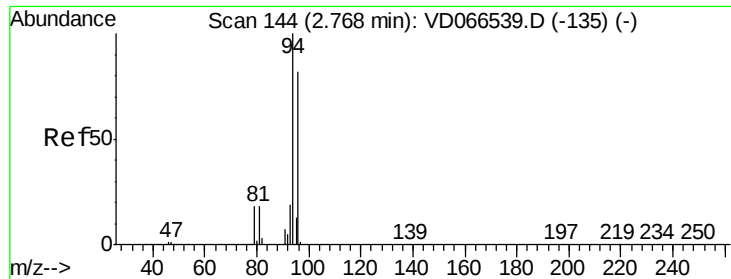
Tgt Ion: 62 Resp: 90097

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 19.941 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 94 Resp: 64624

Ion Ratio Lower Upper

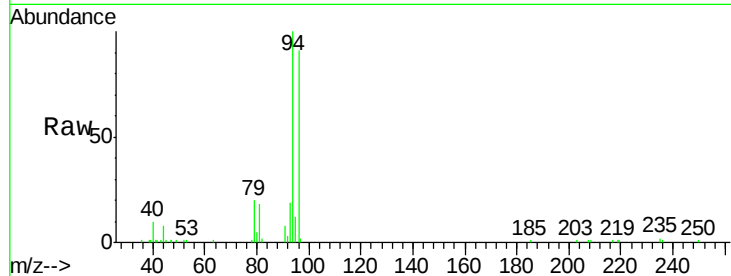
94 100

96 91.3 65.2 97.8

Manual Integrations
APPROVED

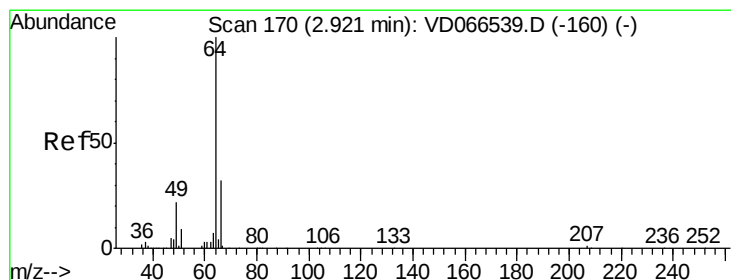
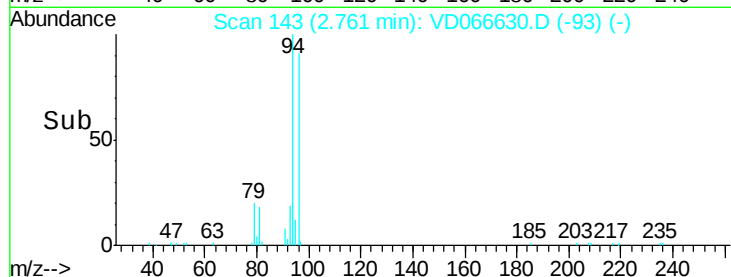
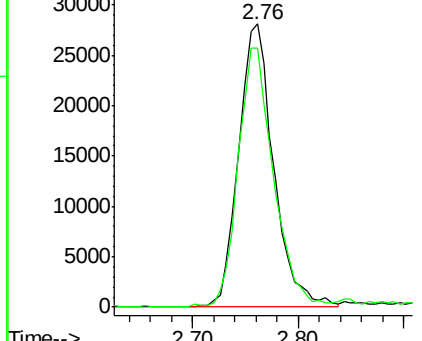
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.481 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066630.D

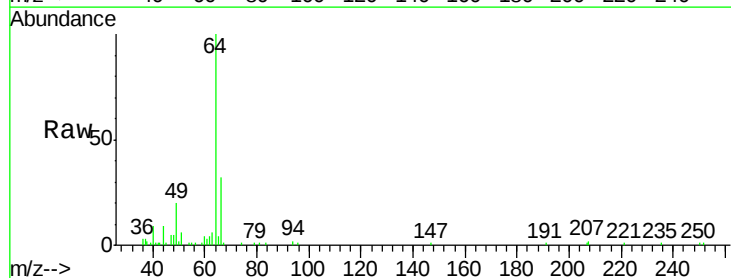
Acq: 10 Sep 2020 23:55

Tgt Ion: 64 Resp: 58641

Ion Ratio Lower Upper

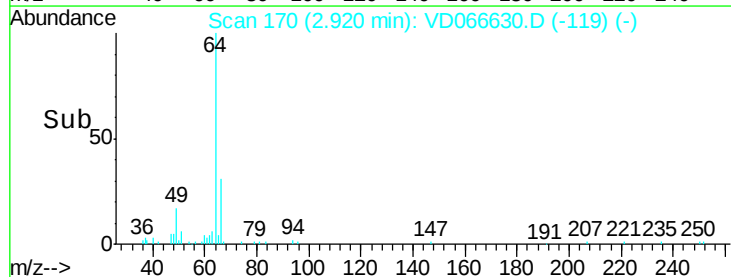
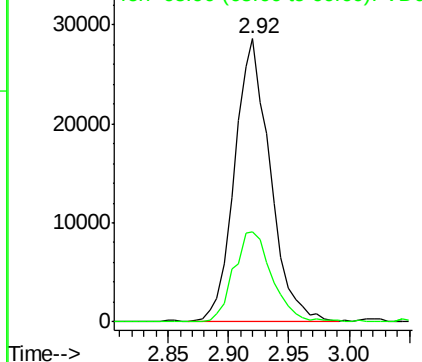
64 100

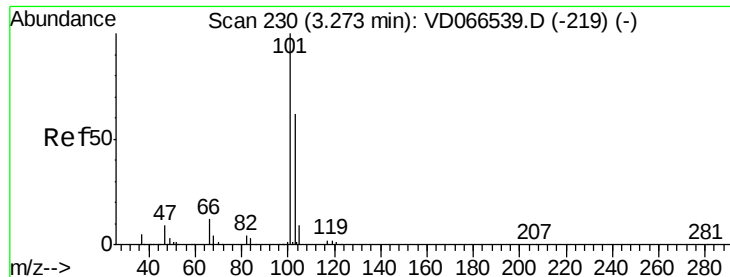
66 31.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

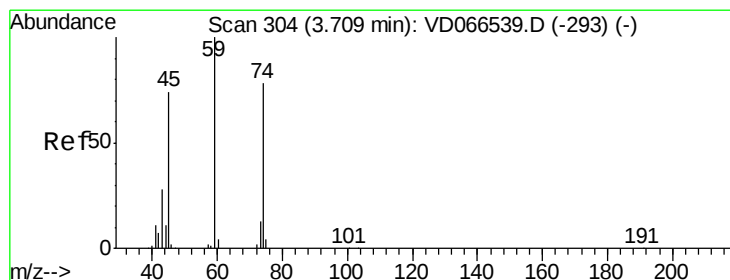
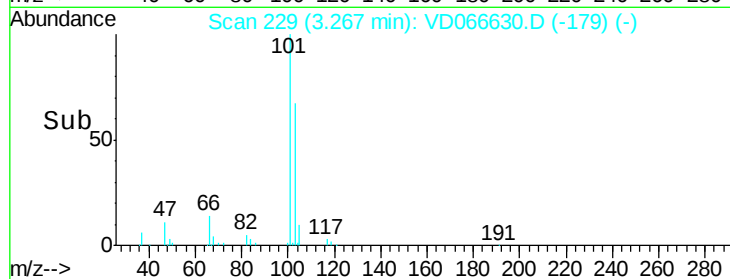
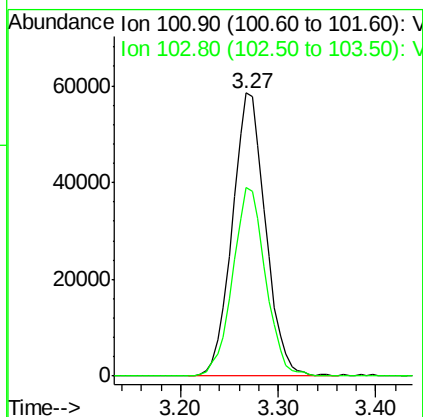
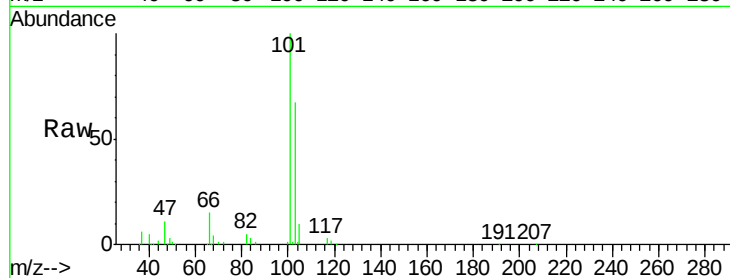
Trichlorofluoromethane
 Concen: 20.845 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Instrument :
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 VD0910SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	49.7	74.5

Manual Integrations
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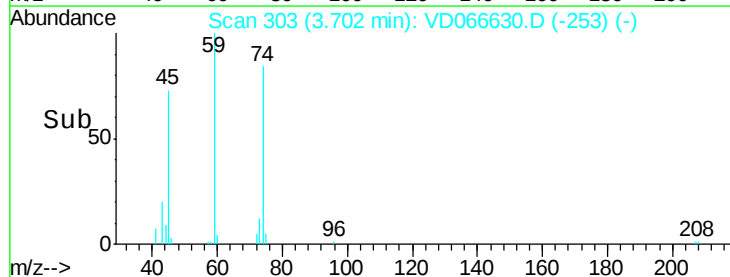
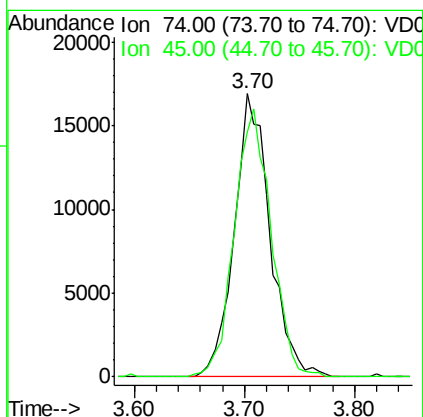
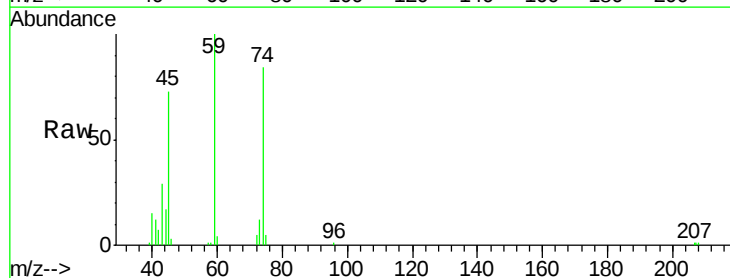
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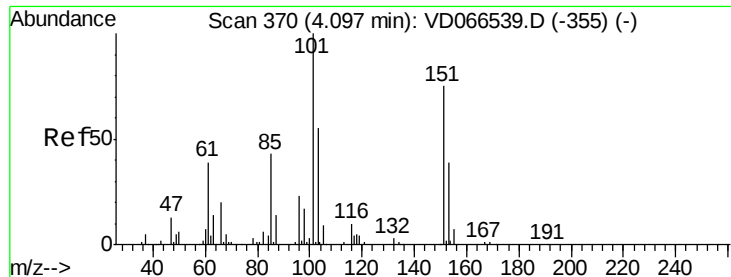


#8

Diethyl Ether
 Concen: 22.874 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.254 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

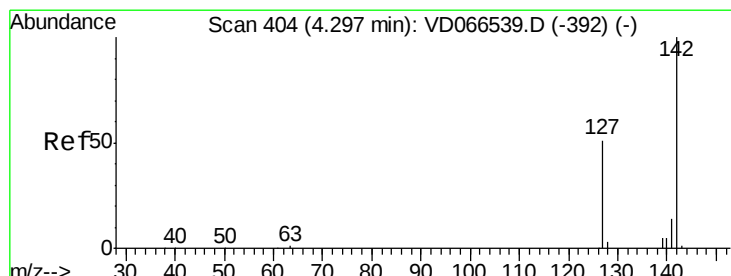
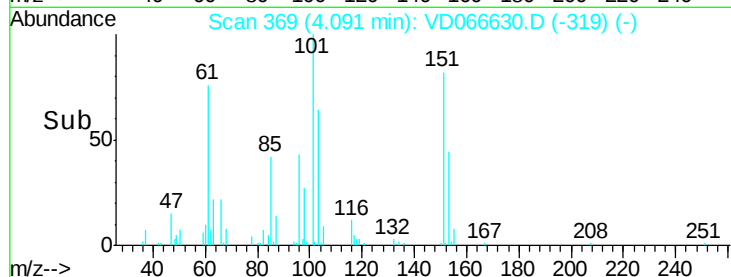
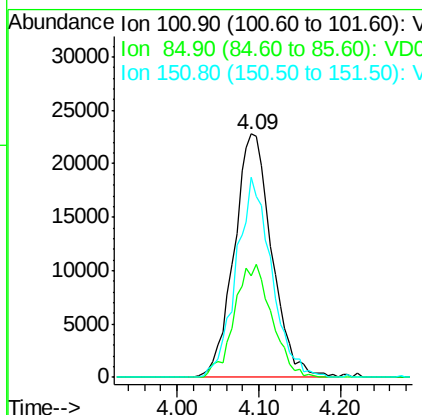
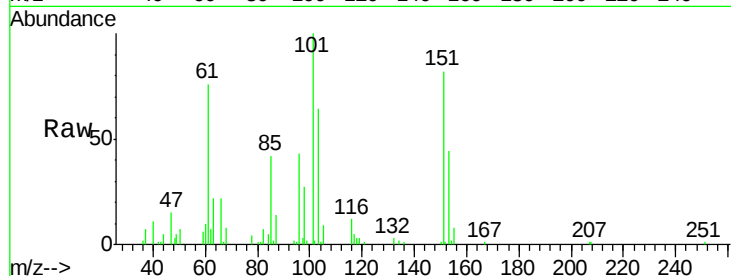
ClientSampleId :

VD0910SBS02

Tot Ion:	101	Resp:	72997
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.0	55.6
151	77.2	59.4	89.2

Manual Integrations
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#10

Methyl Iodide

Concen: 22.231 ug/l

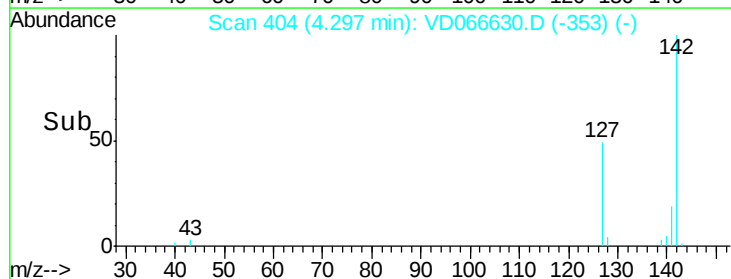
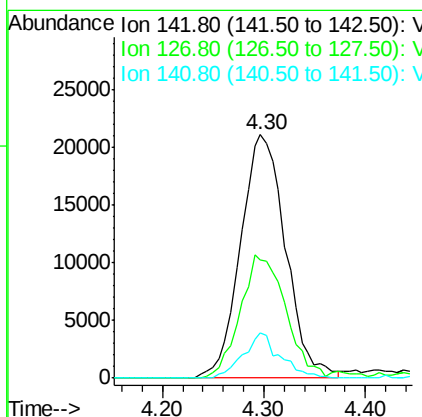
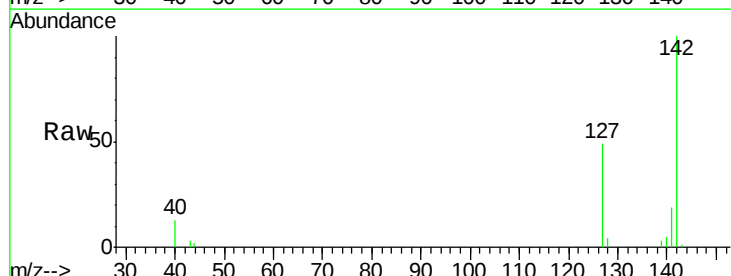
RT: 4.30 min Scan# 404

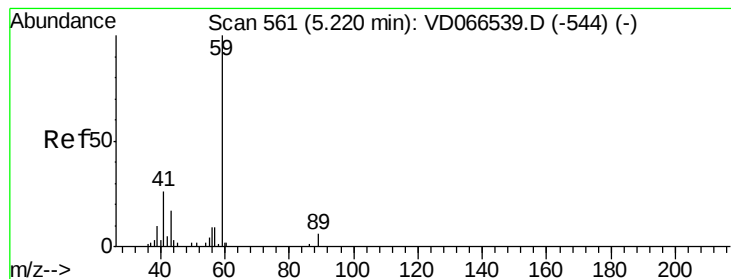
Delta R.T. 0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Tgt Ion:	142	Resp:	65094
Ion Ratio	Lower	Upper	
142	100		
127	50.7	40.6	61.0
141	15.3	12.2	18.4





#11

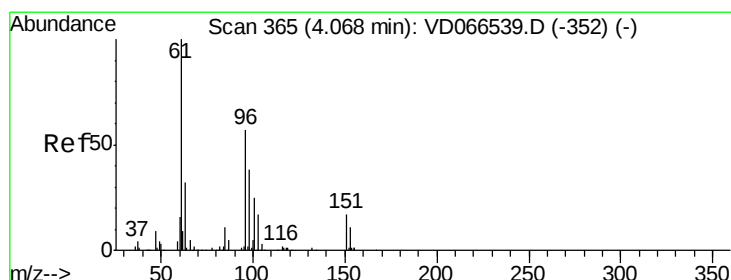
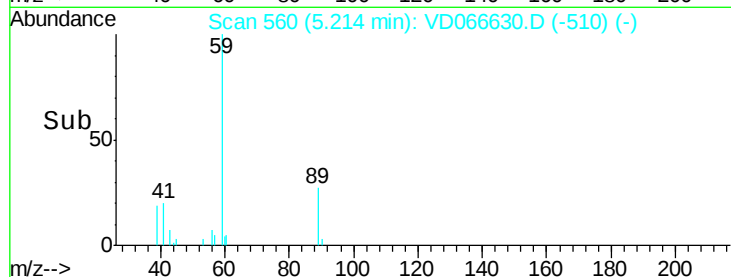
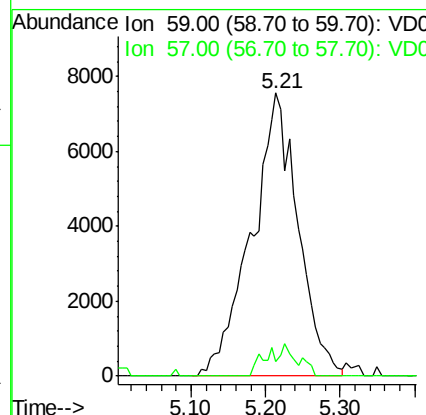
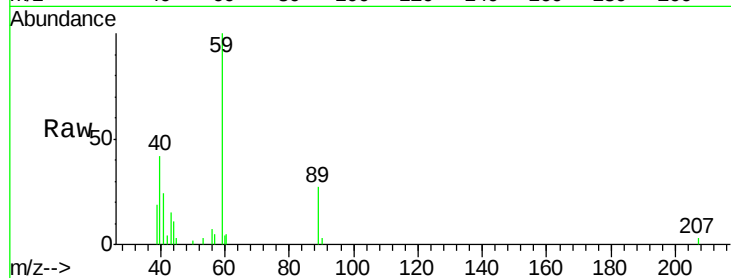
Tert butyl alcohol
 Concen: 108.816 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.1	7.6	11.4#

Manual Integrations
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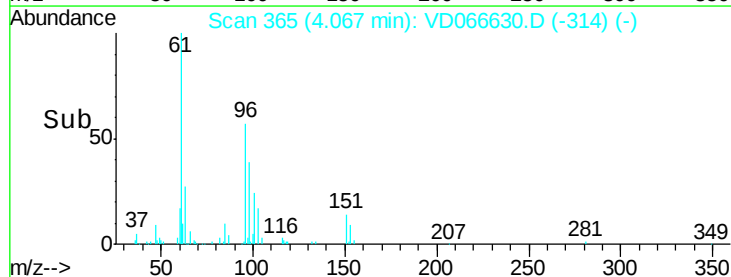
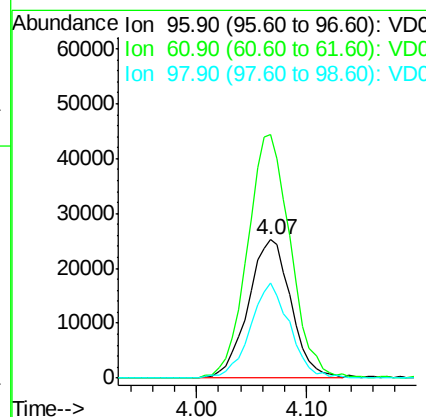
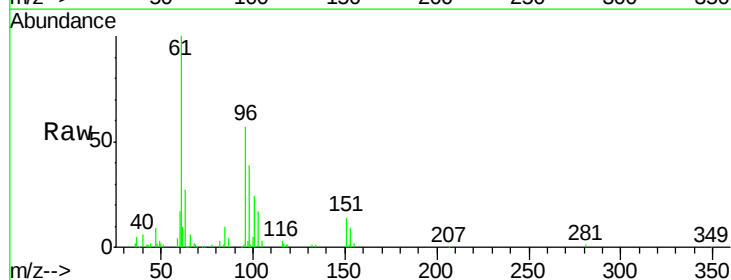
MMDadoda
 9/11/2020 10:18:02 AM

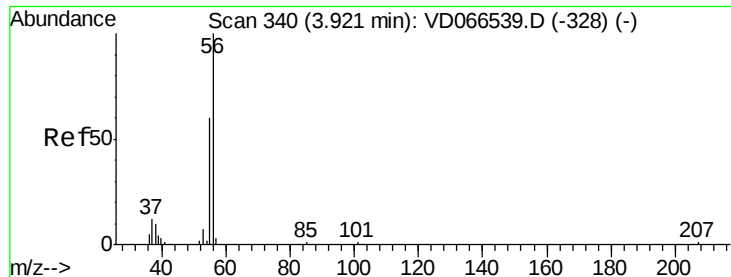


#12

1,1-Dichloroethene
 Concen: 21.155 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.8	140.9	211.3
98	68.9	53.2	79.8





#13

Acrolein

Concen: 87.878 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 56 Resp: 13972

Ion Ratio Lower Upper

56 100

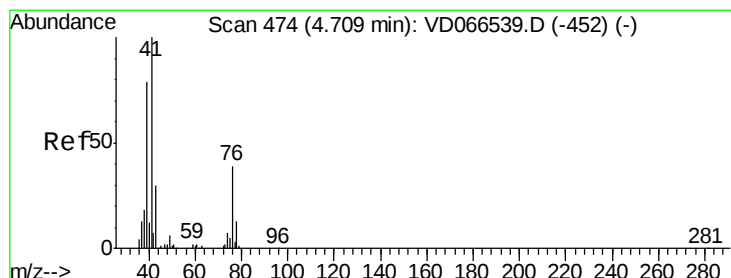
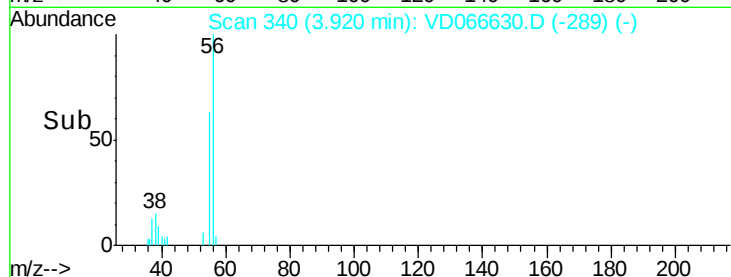
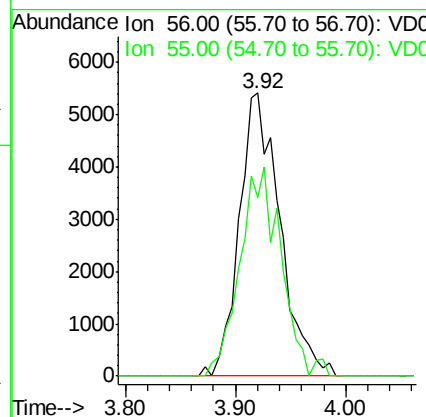
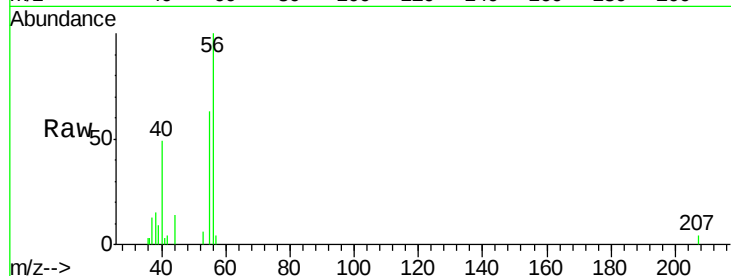
55 73.2 53.6 80.4

Manual Integrations

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#14

Allyl chloride

Concen: 21.663 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

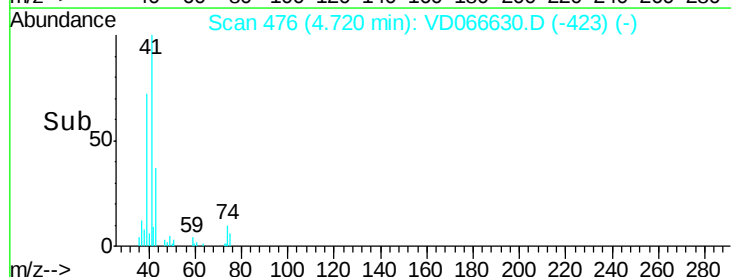
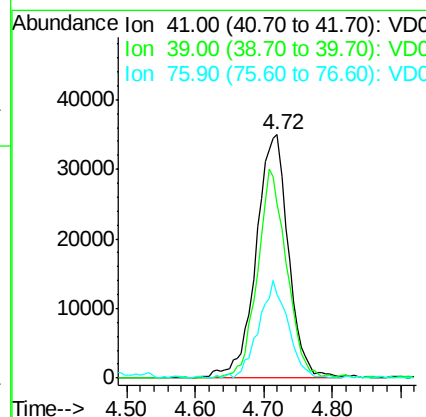
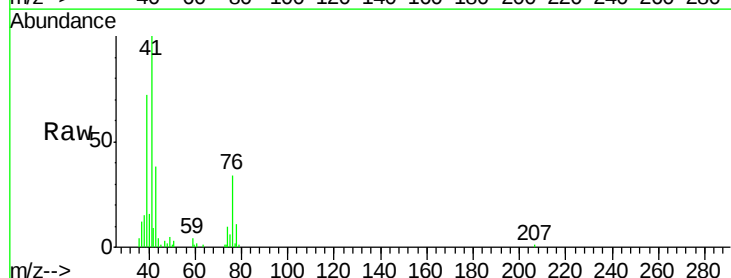
Tgt Ion: 41 Resp: 114956

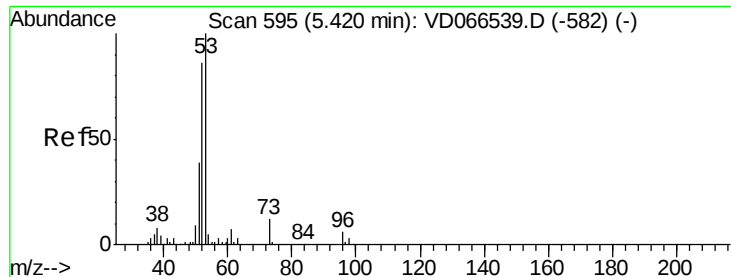
Ion Ratio Lower Upper

41 100

39 77.0 61.9 92.9

76 36.1 29.0 43.6





#15

Acrylonitrile

Concen: 118.926 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

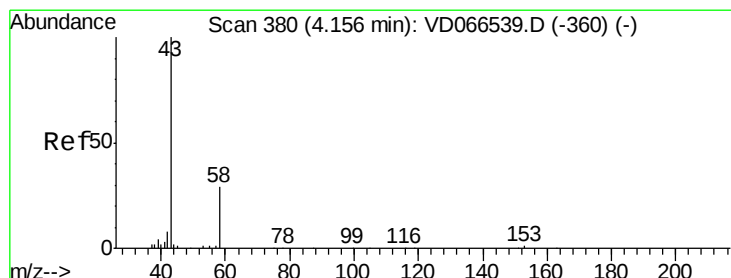
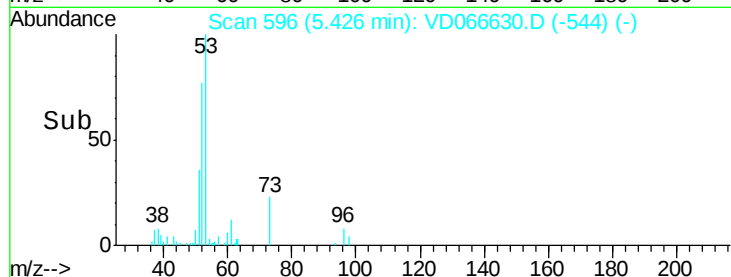
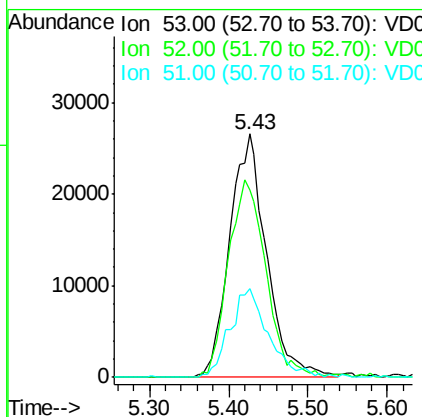
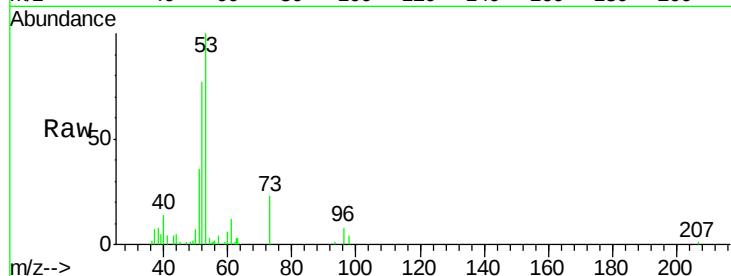
ClientSampleId :

VD0910SBS02

Tot Ion:	53	Resp:	85670
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.4	98.2
51	38.0	31.2	46.8

Manual Integrations
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#16

Acetone

Concen: 94.646 ug/l

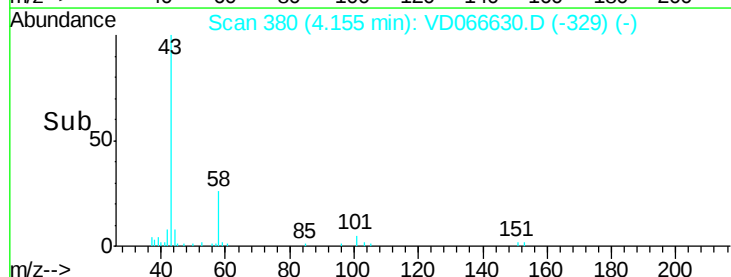
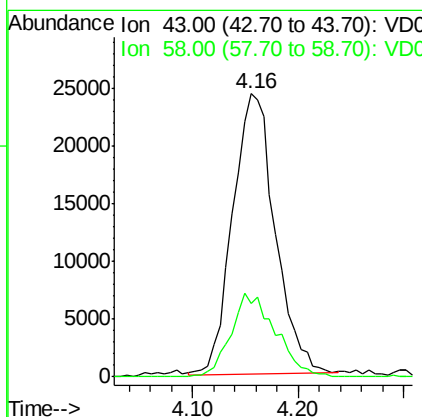
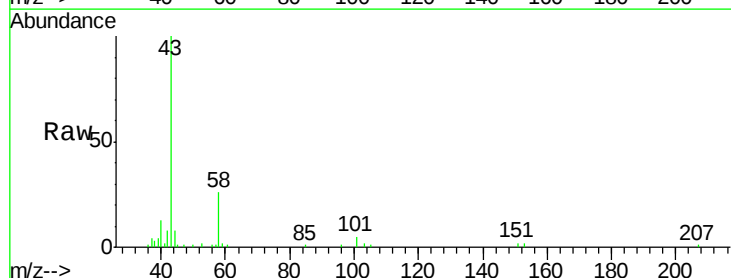
RT: 4.16 min Scan# 380

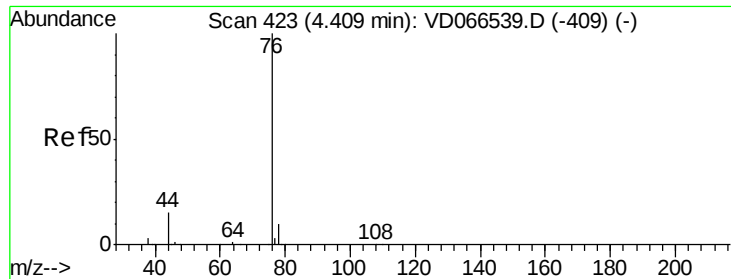
Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Tgt Ion:	43	Resp:	67716
Ion	Ratio	Lower	Upper
43	100		
58	26.5	22.9	34.3





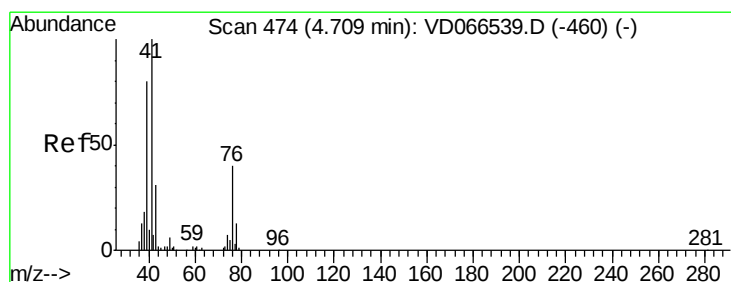
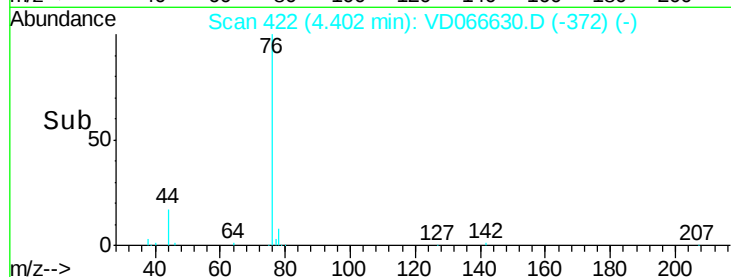
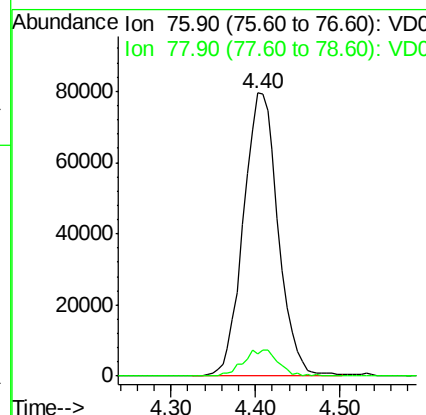
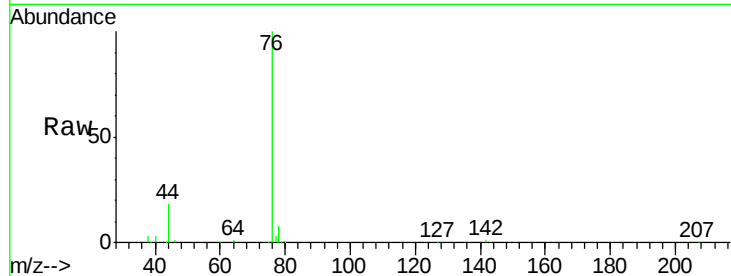
#17
Carbon Disulfide
Concen: 21.355 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.6	11.4

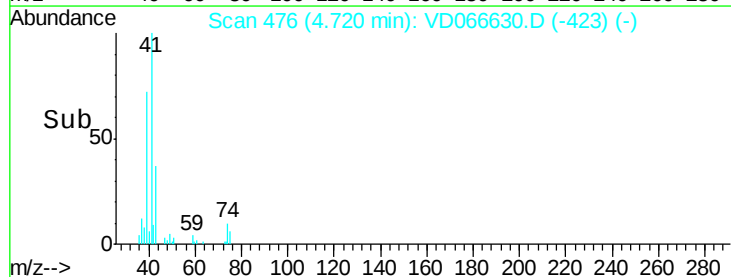
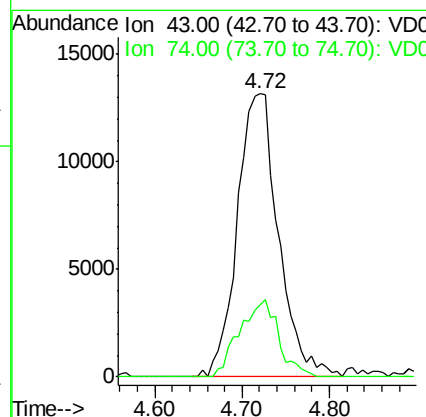
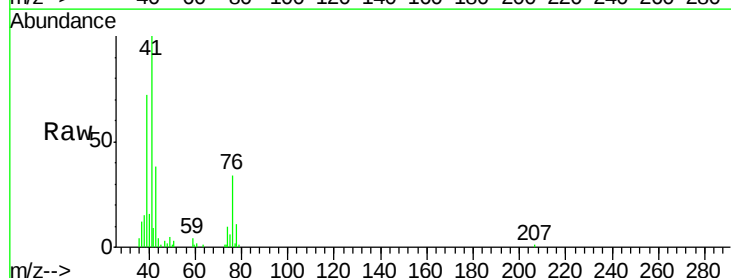
Manual Integrations
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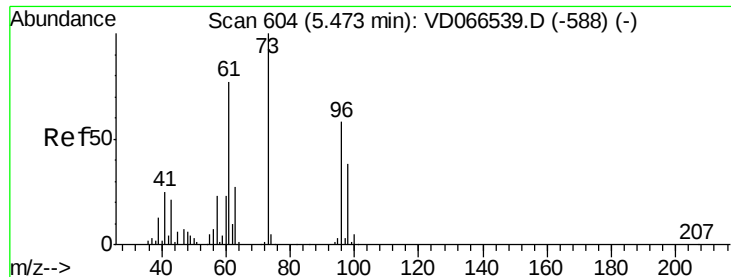
MMDadoda
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#18
Methyl Acetate
Concen: 24.703 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	18.0	27.0





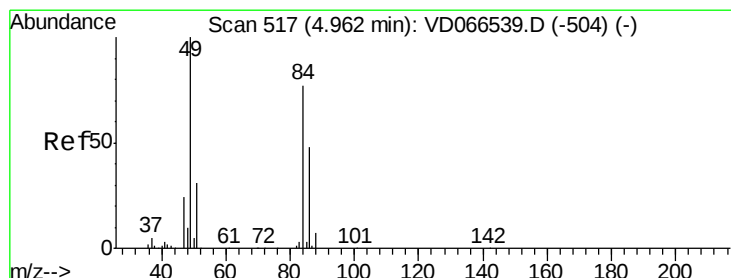
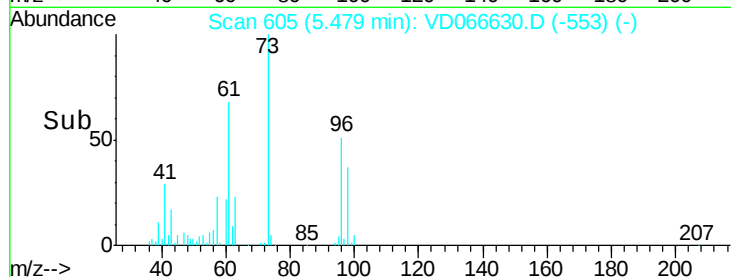
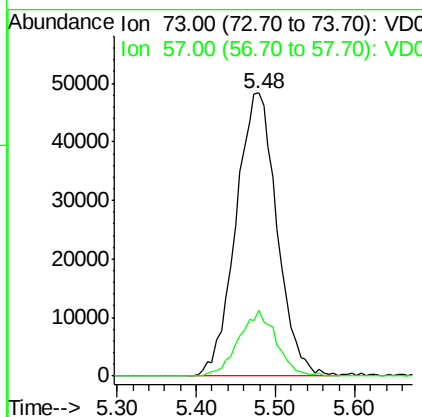
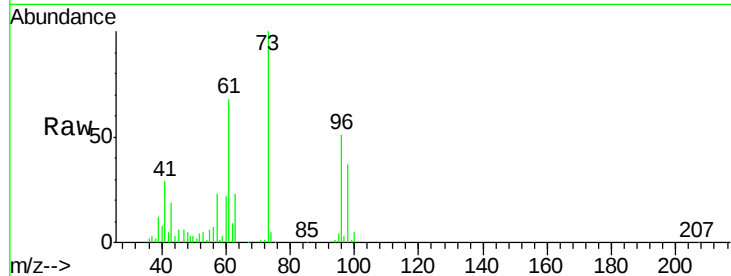
#19
Methvl tert-butvl Ether
Concen: 22.889 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion: 73 Resp: 173801
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5

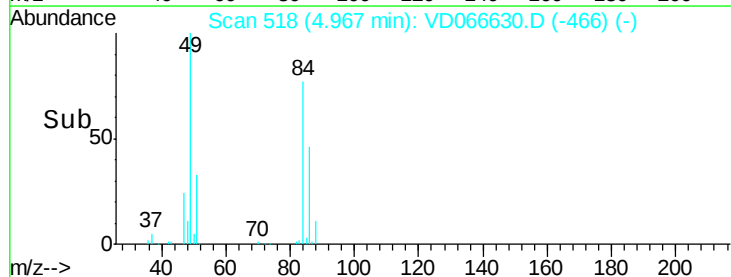
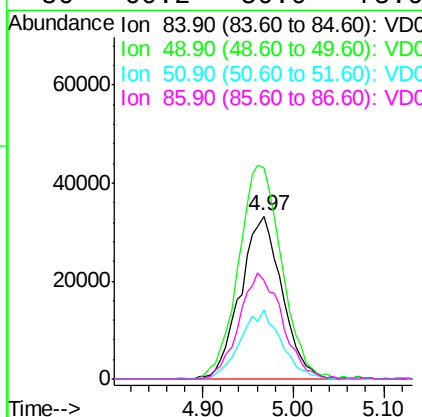
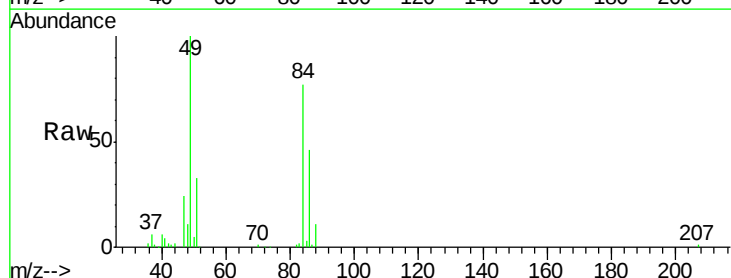
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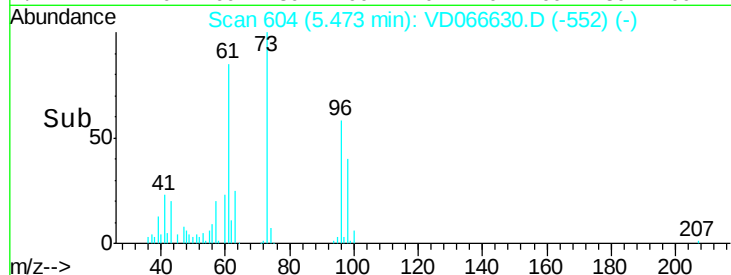
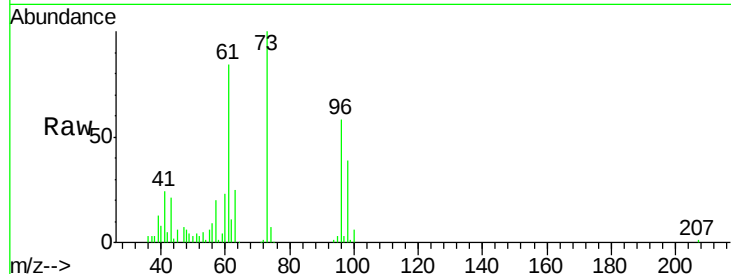
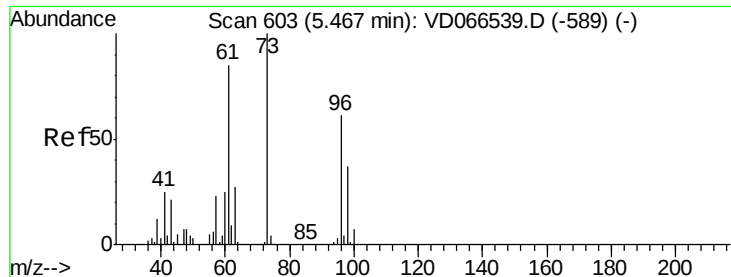
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#20
Methylene Chloride
Concen: 23.556 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion: 84 Resp: 105495
Ion Ratio Lower Upper
84 100
49 129.8 104.3 156.5
51 42.7 32.2 48.4
86 60.2 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 21.994 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066630.D

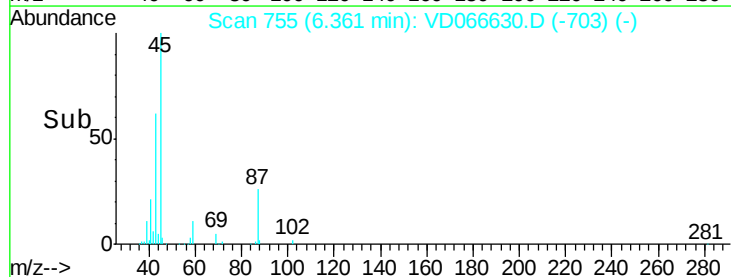
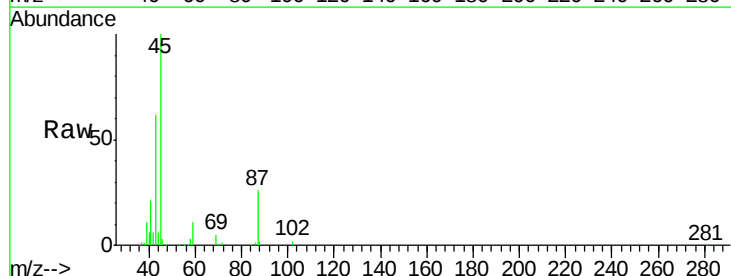
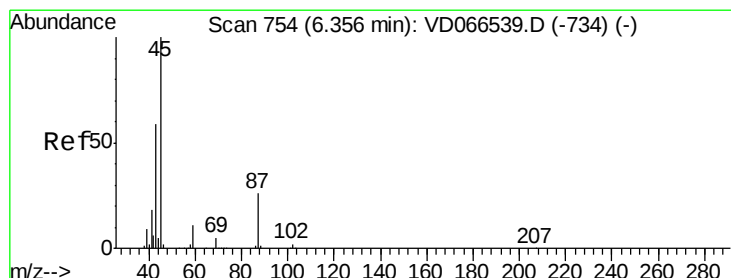
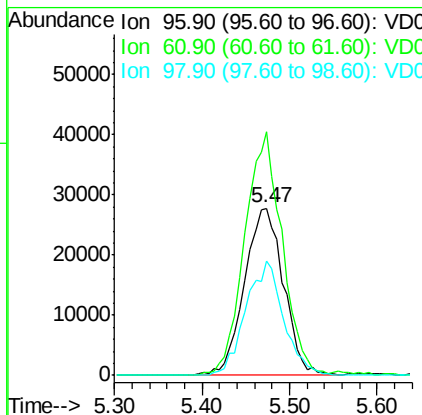
Acq: 10 Sep 2020 23:55

Tot Ion:	96	Resp:	84569
Ion	Ratio	Lower	Upper
96	100		
61	145.8	112.1	168.1
98	68.6	48.6	72.8

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

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#22

Diisopropyl ether

Concen: 23.591 ug/l

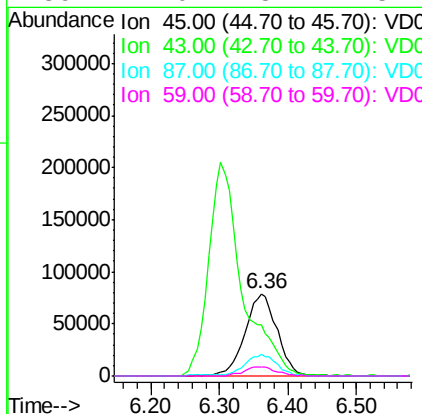
RT: 6.36 min Scan# 755

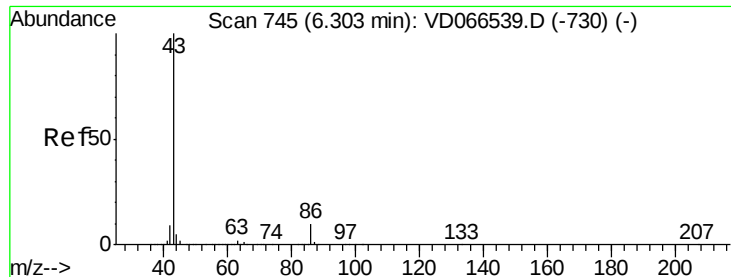
Delta R.T. 0.01 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Tgt Ion:	45	Resp:	257444
Ion	Ratio	Lower	Upper
45	100		
43	60.7	47.0	70.4
87	26.0	21.3	31.9
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 112.764 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 43 Resp: 700274

Ion Ratio Lower Upper

43 100

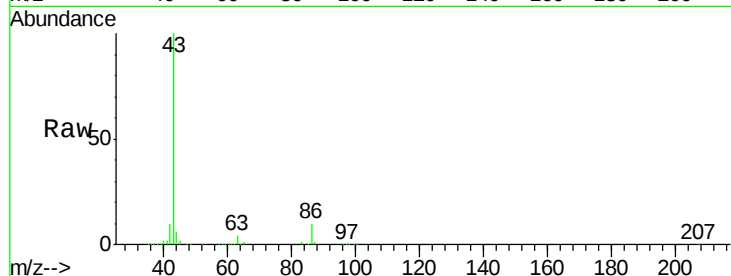
86 9.9 7.7 11.5

Manual Integrations

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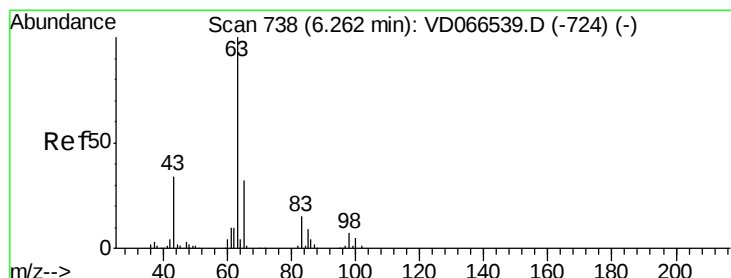
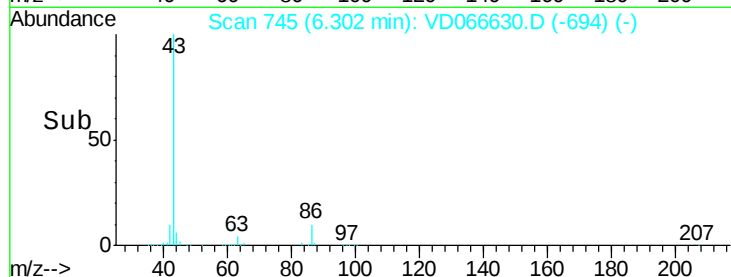
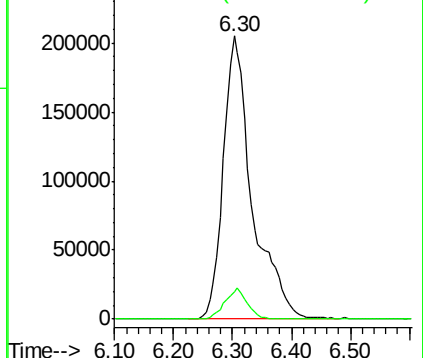
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.545 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

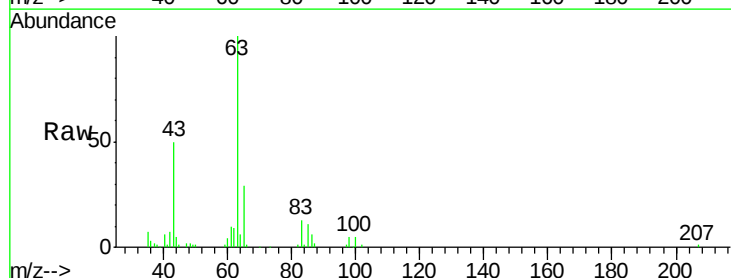
Tgt Ion: 63 Resp: 154715

Ion Ratio Lower Upper

63 100

98 5.3 3.4 10.1

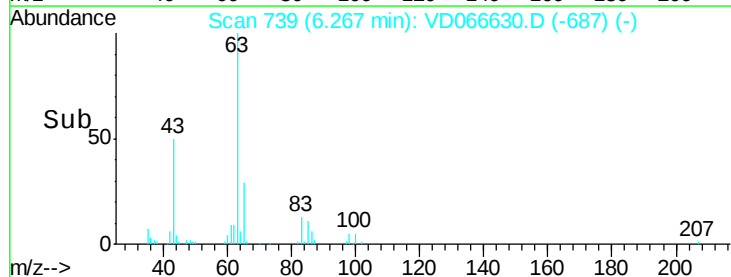
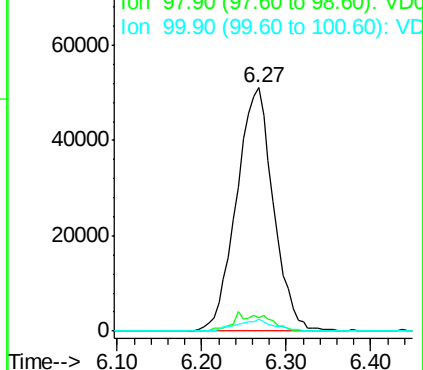
100 4.9 2.5 7.4

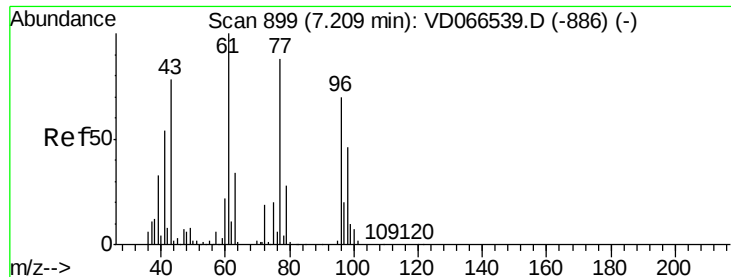


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 110.469 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 43 Resp: 106098

Ion Ratio Lower Upper

43 100

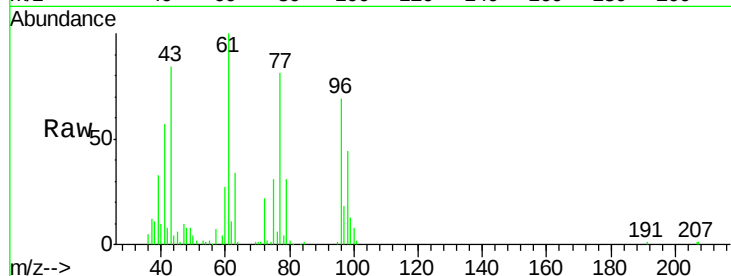
72 26.6 19.8 29.6

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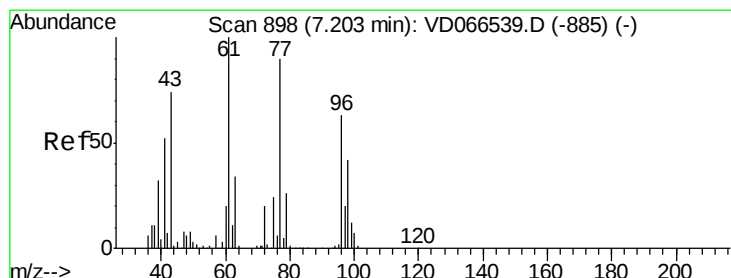
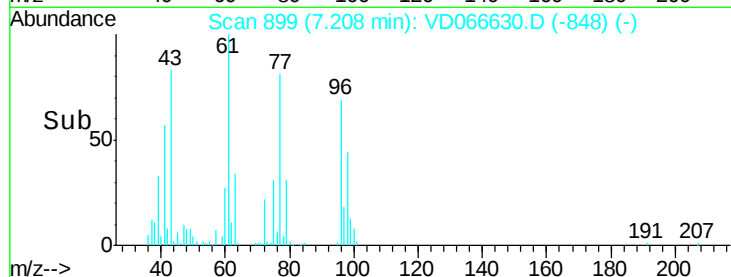
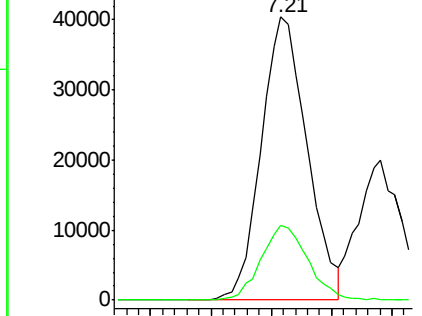
MMDadoda

9/11/2020 10:18:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.192 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD066630.D

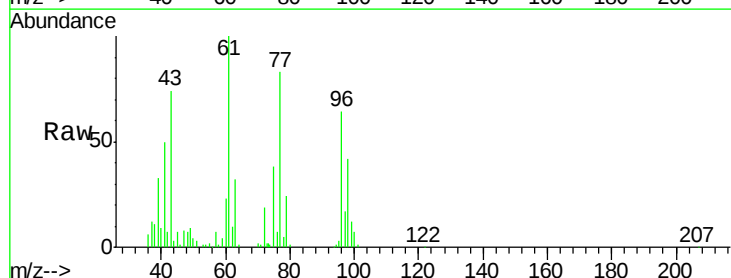
Acq: 10 Sep 2020 23:55

Tgt Ion: 77 Resp: 120812

Ion Ratio Lower Upper

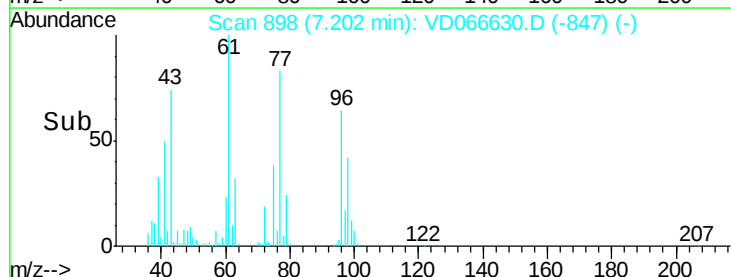
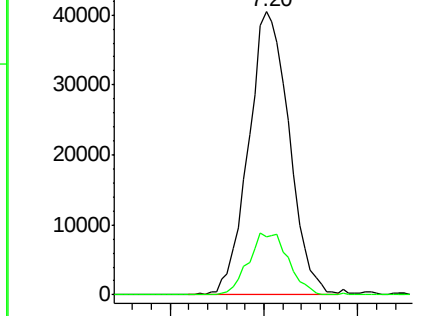
77 100

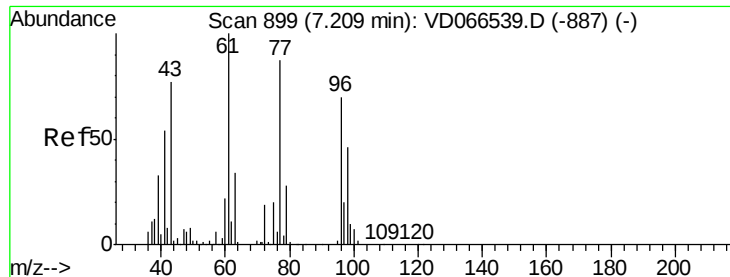
97 21.4 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





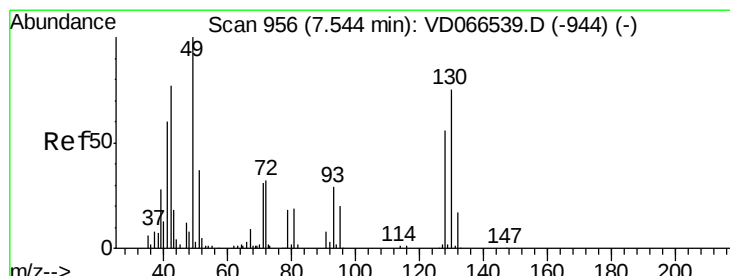
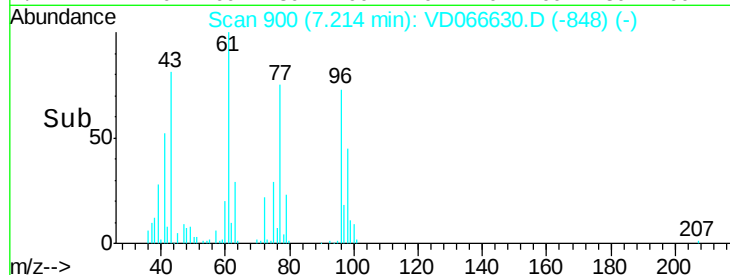
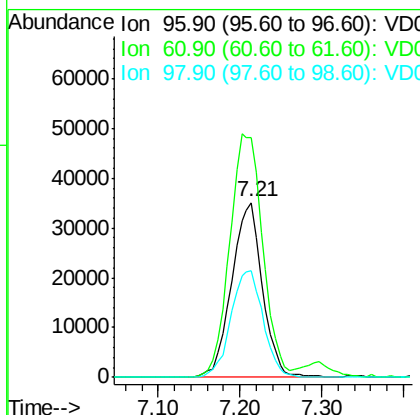
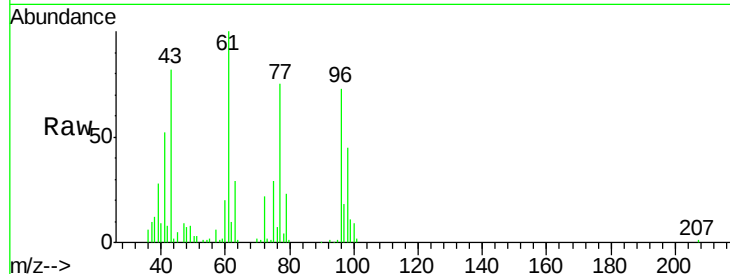
#27
 cis-1,2-Dichloroethene
 Concen: 22.114 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	301.0
98	64.1	0.0	129.8

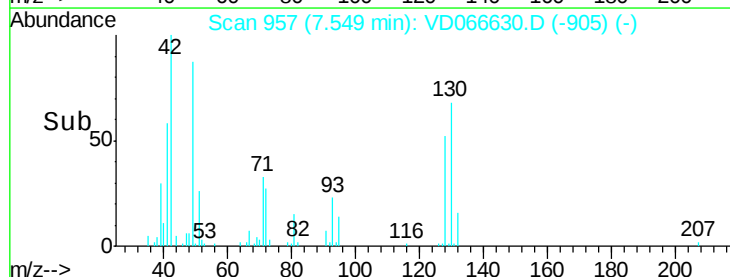
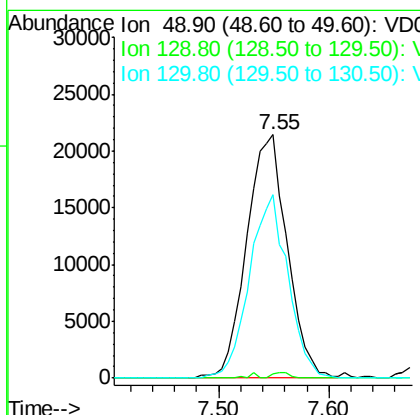
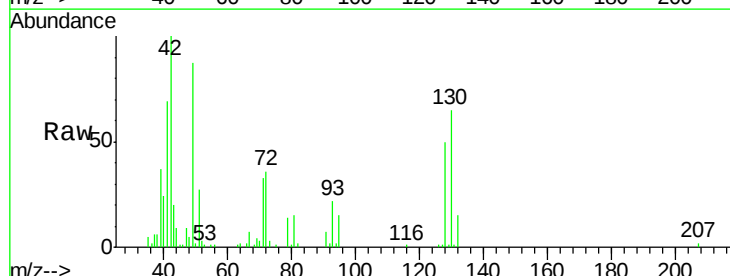
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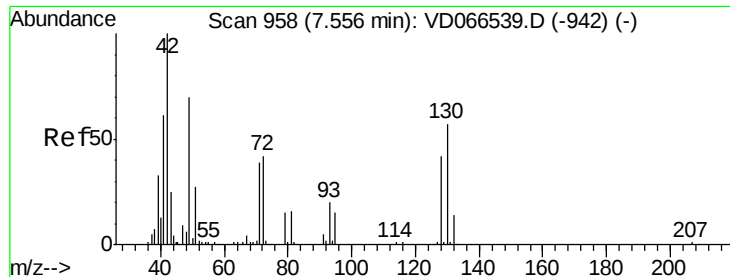
MMDadoda
 9/11/2020 10:18:02 AM



#28
 Bromochloromethane
 Concen: 20.932 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.6
130	71.4	58.2	87.2





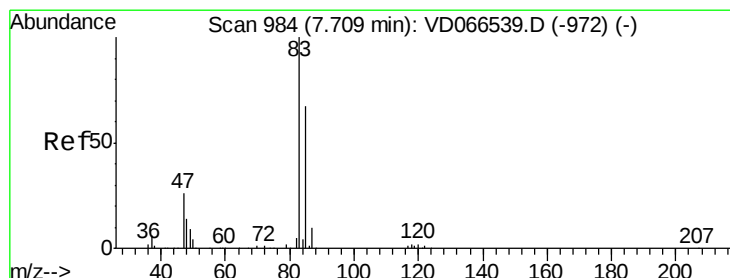
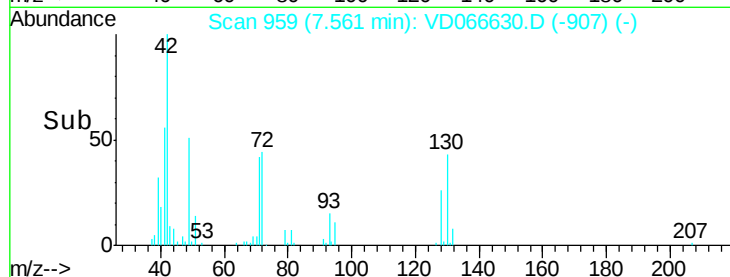
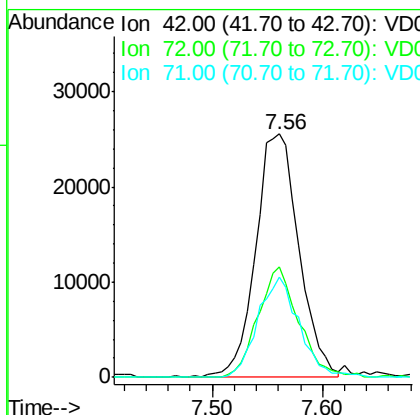
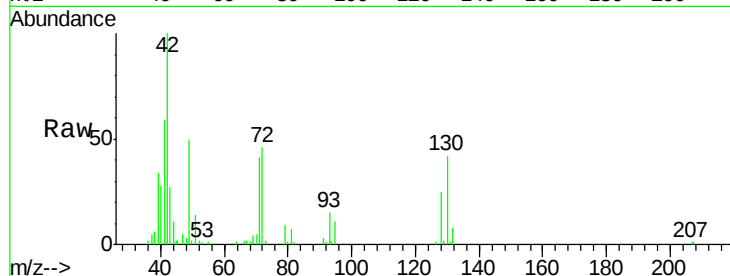
#29
Tetrahydrofuran
Concen: 117.096 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.4	50.0
71	39.4	31.9	47.9

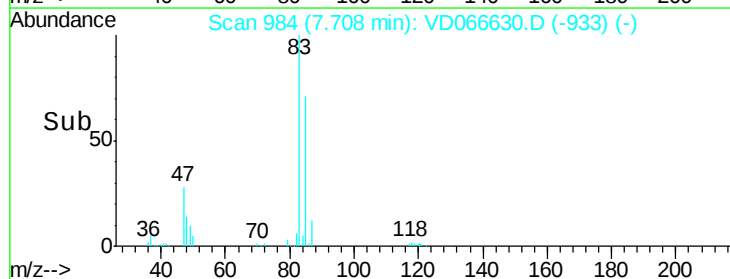
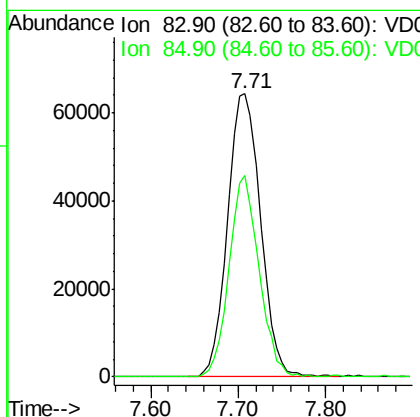
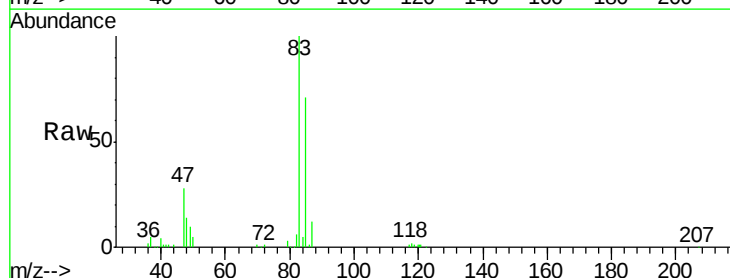
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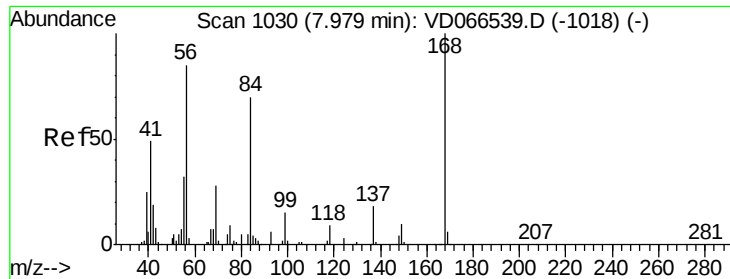
MMDadoda
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#30
Chloroform
Concen: 22.754 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.4	53.6	80.4





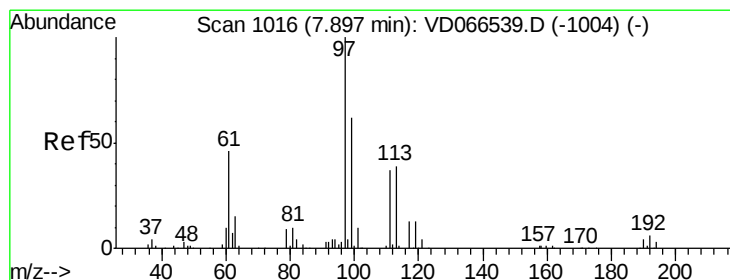
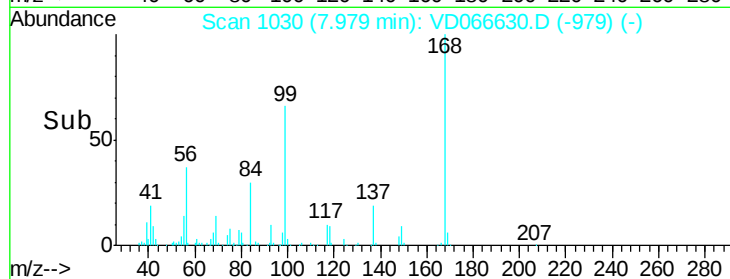
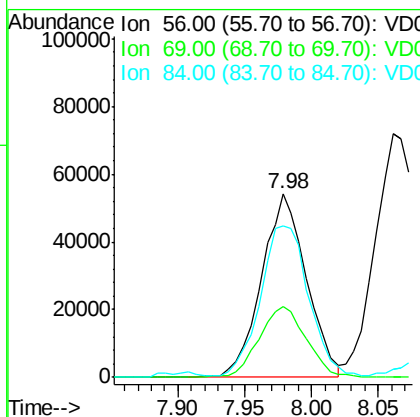
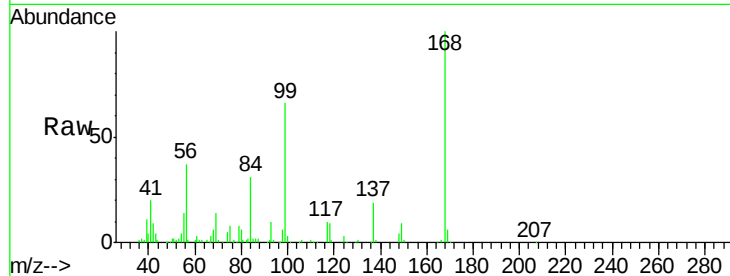
#31
Cyclohexane
Concen: 19.888 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	56	Resp	126161
Ion	Ratio	Lower	Upper
56	100		
69	38.3	26.3	39.5
84	80.1	66.1	99.1

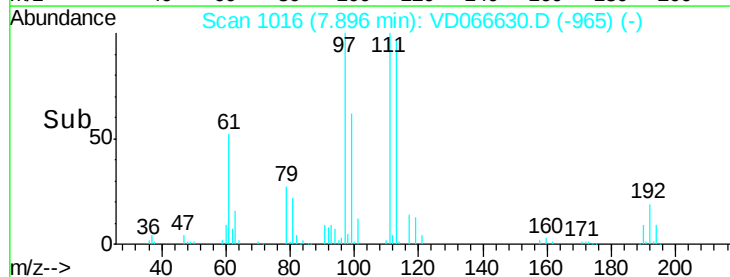
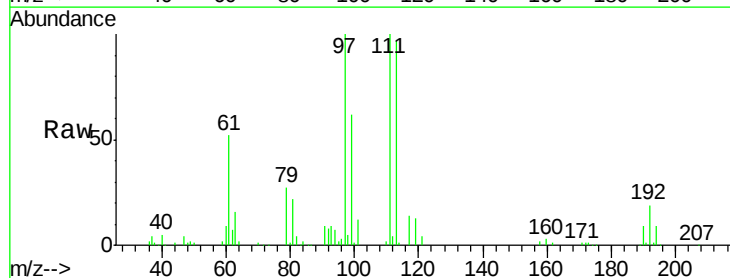
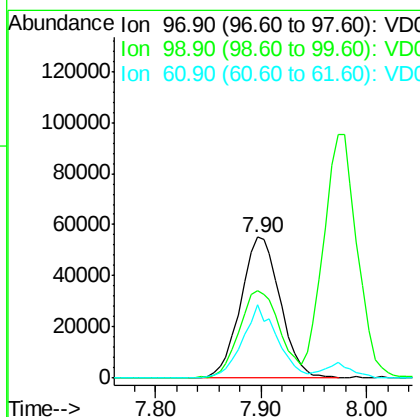
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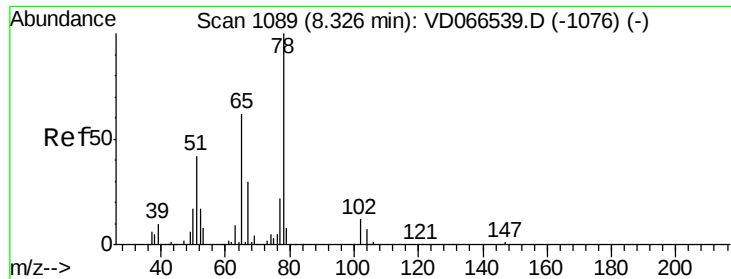
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#32
1,1,1-Trichloroethane
Concen: 21.021 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	97	Resp	143487
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	45.7	37.4	56.0





#33

1,2-Dichloroethane-d4

Concen: 57.822 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 65 Resp: 224837

Ion Ratio Lower Upper

65 100

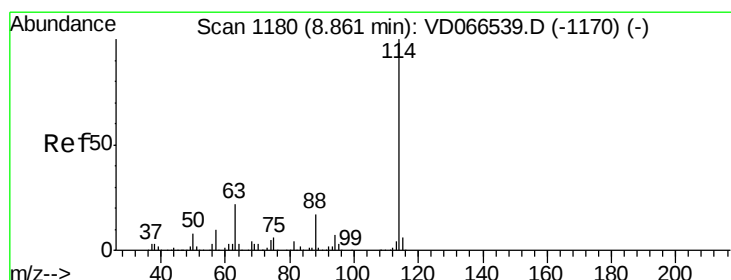
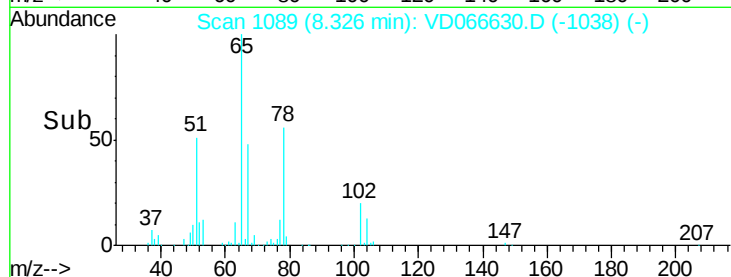
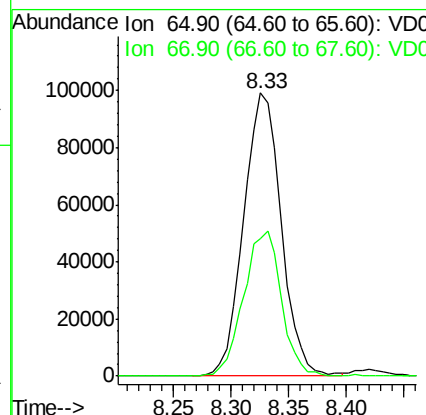
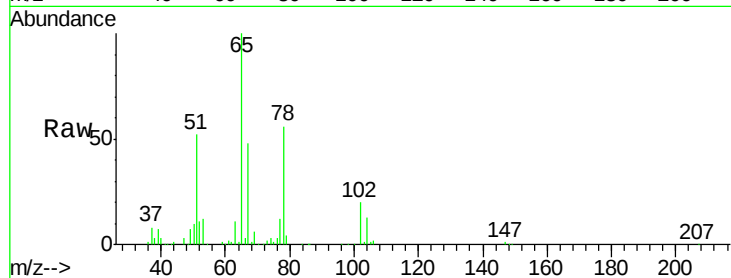
67 51.4 0.0 102.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

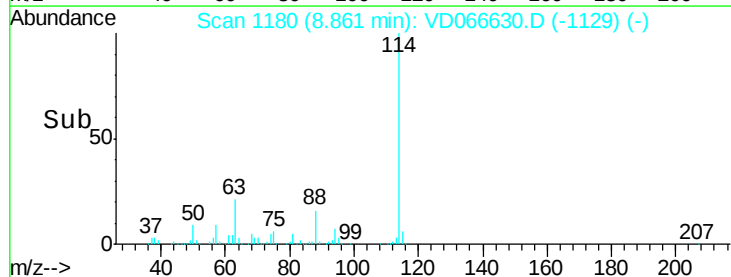
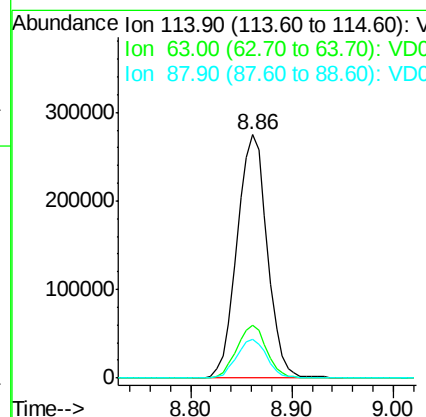
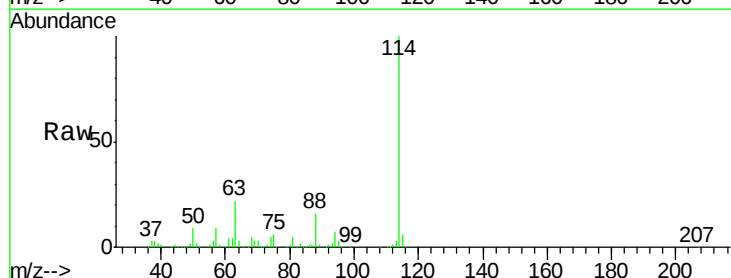
Tgt Ion: 114 Resp: 568757

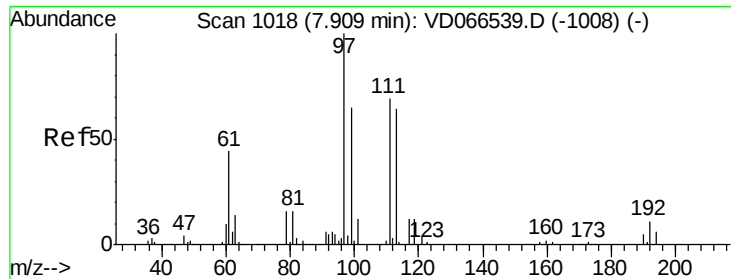
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

88 15.9 0.0 33.2





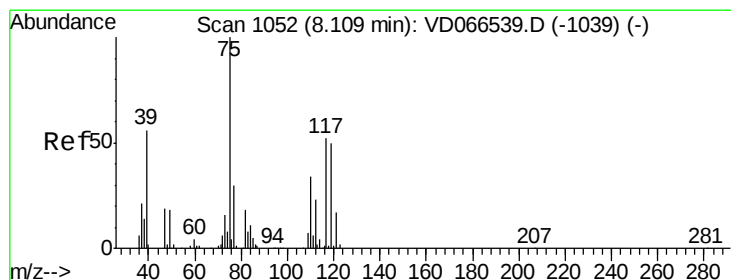
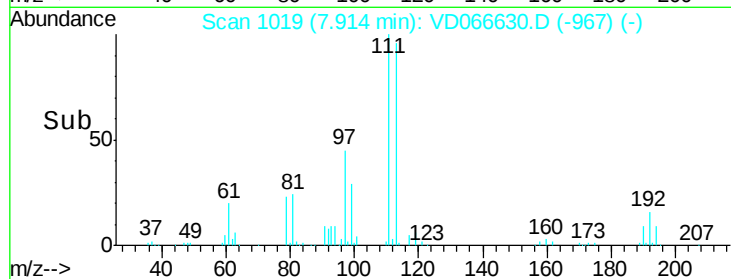
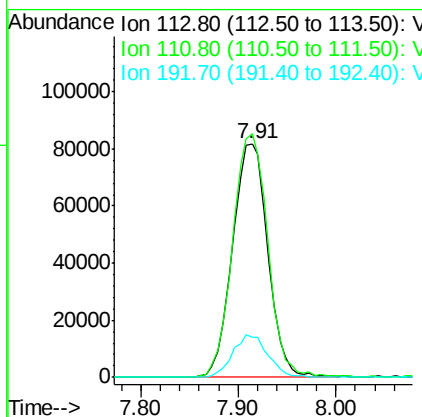
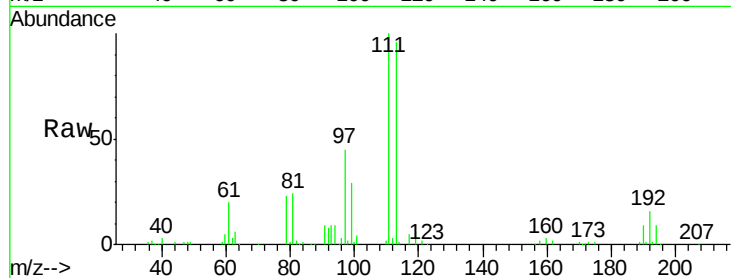
#35
 Dibromofluoromethane
 Concen: 53.927 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	206910		
111	104.1	83.2	124.8	
192	18.0	13.7	20.5	

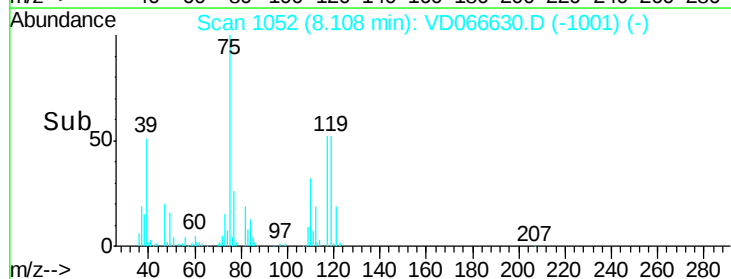
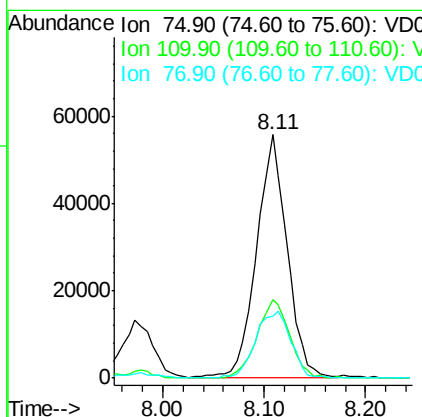
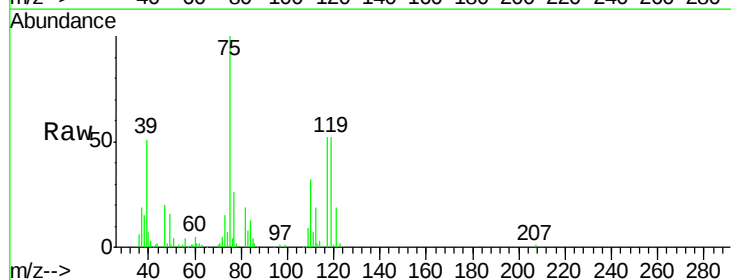
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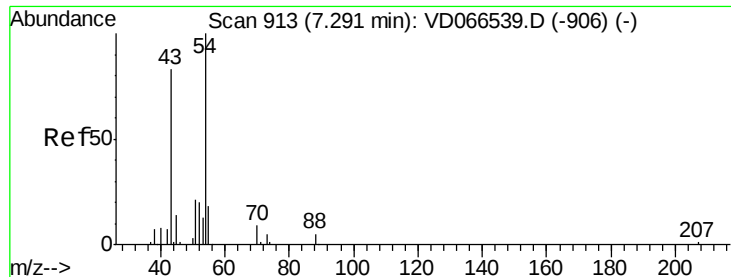
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#36
 1,1-Dichloropropene
 Concen: 19.794 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	117163		
110	34.2	17.3	52.0	
77	31.7	25.1	37.7	





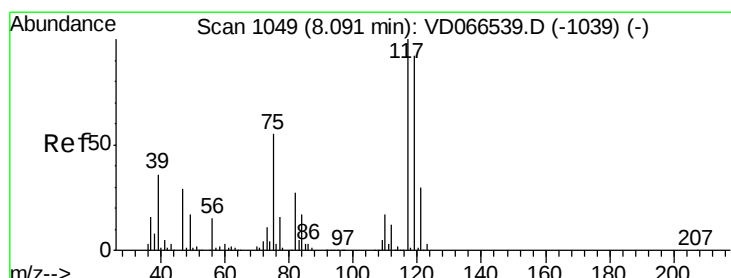
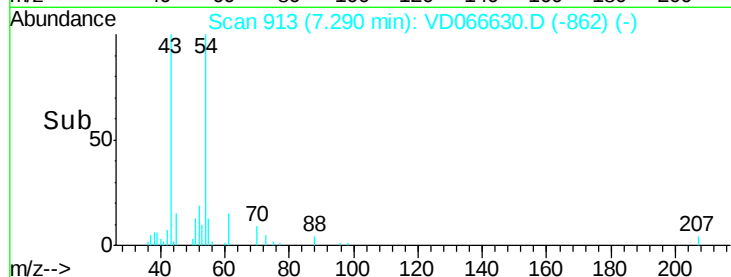
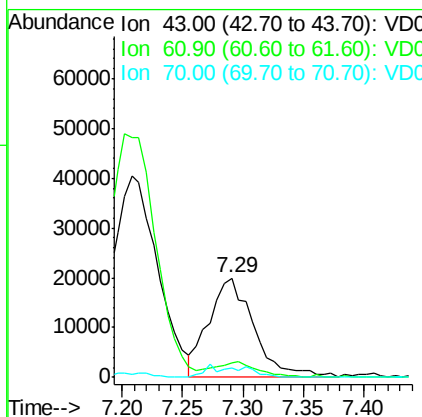
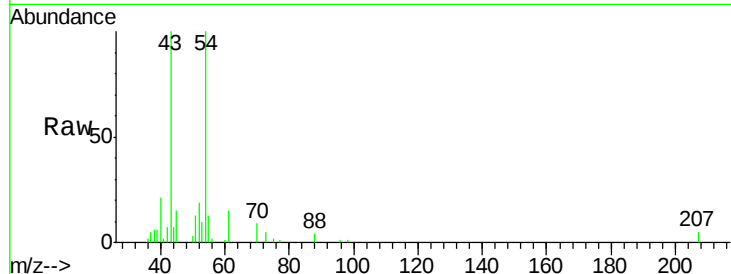
#37
Ethyl Acetate
Concen: 21.589 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.8
70	0.0	7.9	11.9

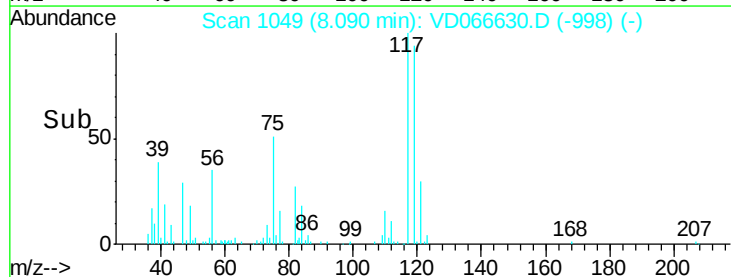
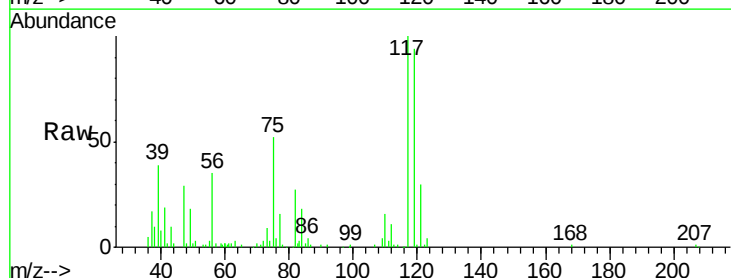
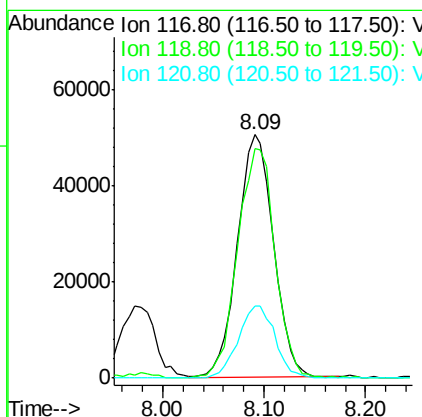
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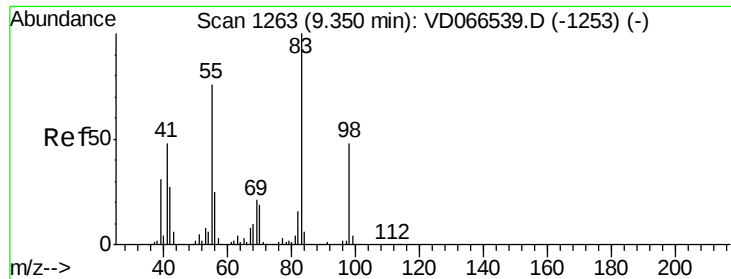
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#38
Carbon Tetrachloride
Concen: 19.931 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	73.9	110.9
121	29.7	24.1	36.1





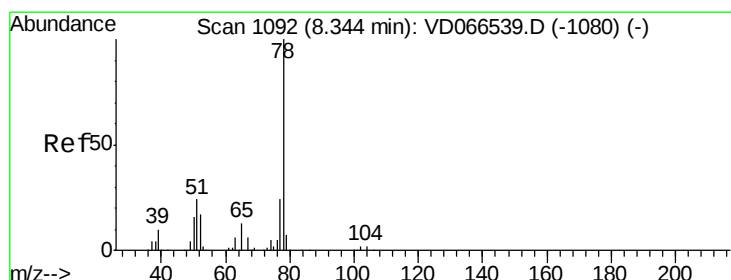
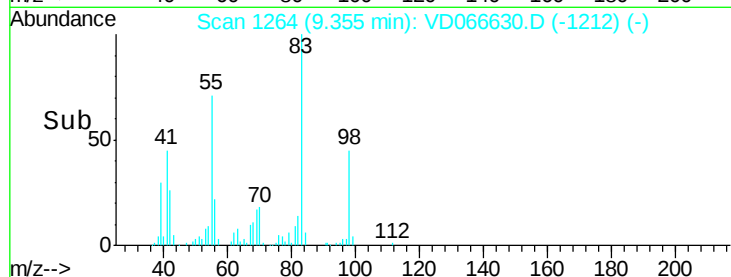
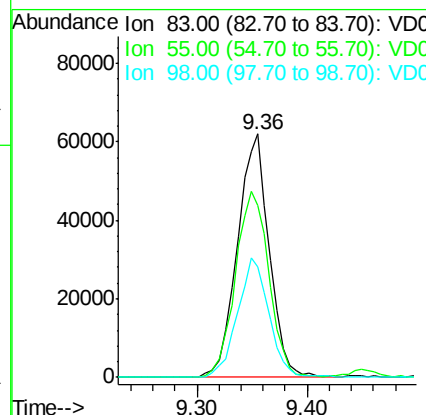
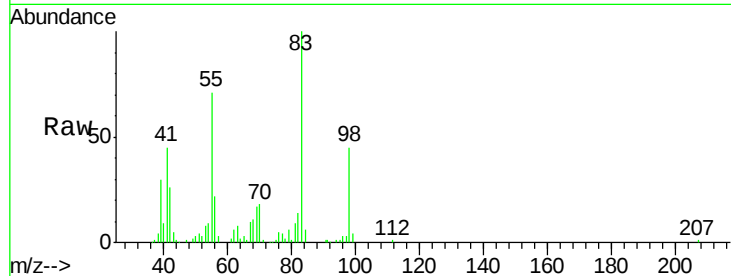
#39
Methvlcvclohexane
Concen: 18.936 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	125156		
55	70.6		60.8	91.2
98	45.3		38.6	58.0

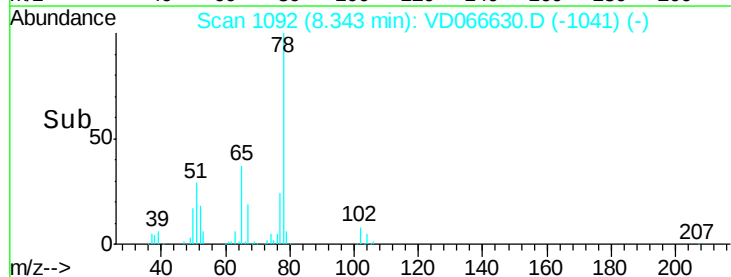
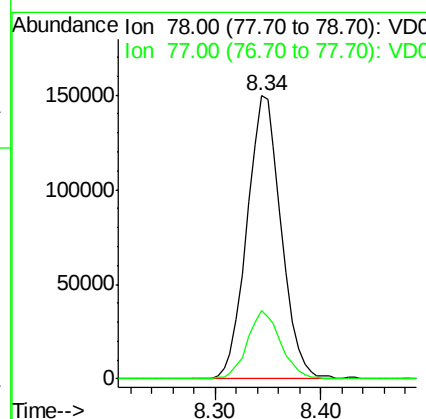
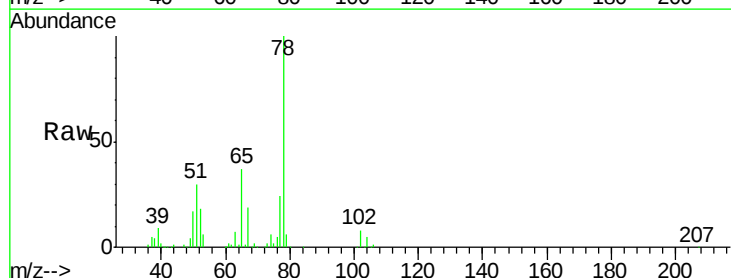
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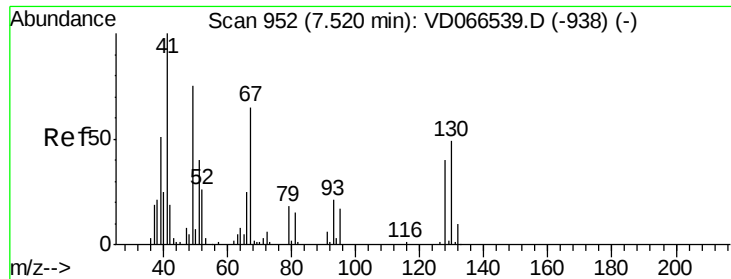
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#40
Benzene
Concen: 20.762 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	336576		
77	24.2		19.1	28.7





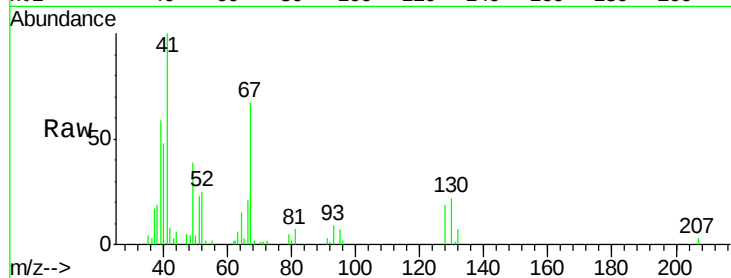
#41
Methacrylonitrile
Concen: 22.891 ug/l m
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

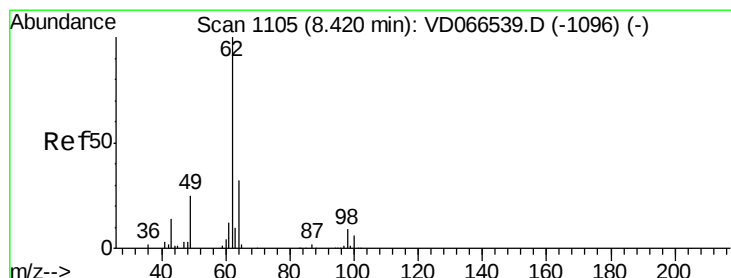
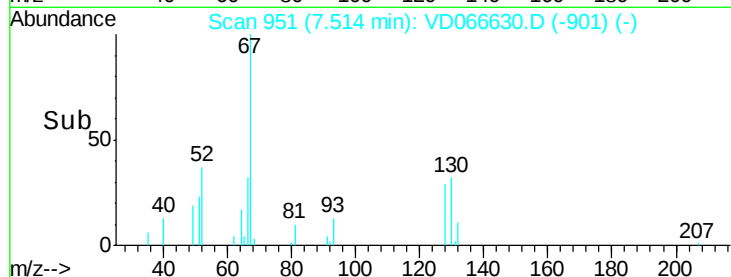
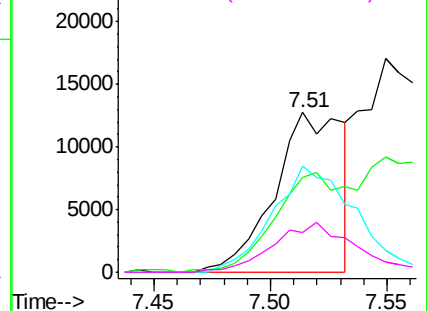
Tot Ion	Ratio	Lower	Upper
41	100		
39	70.2	53.6	80.4
67	80.7	59.2	88.8
52	36.5	26.8	40.2

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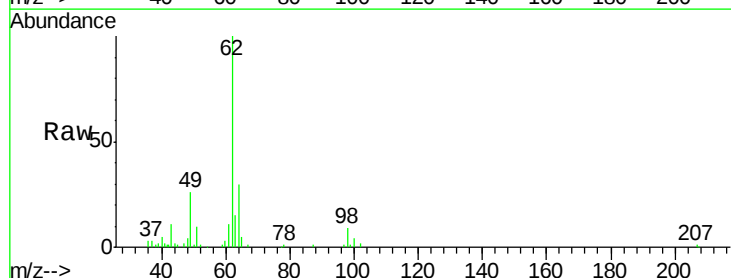


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

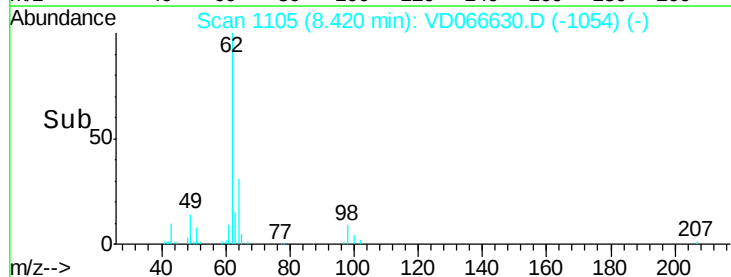
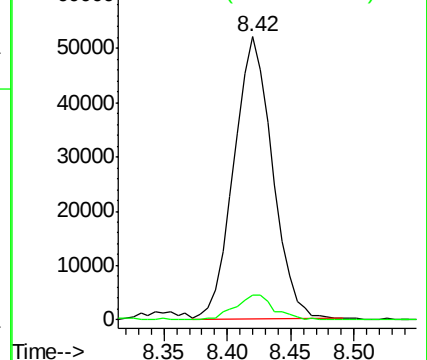


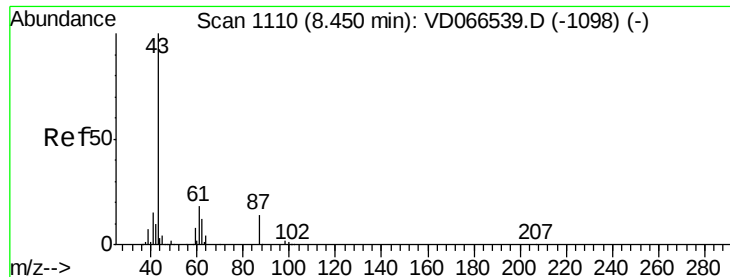
#42
1,2-Dichloroethane
Concen: 20.860 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.965 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

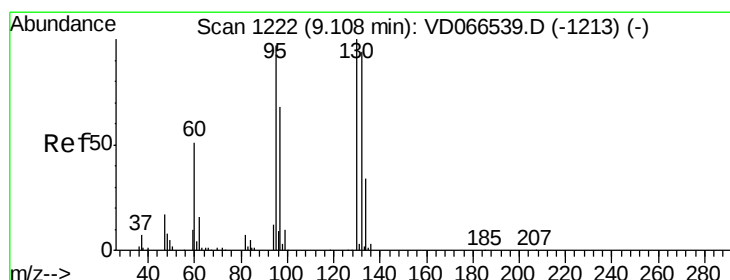
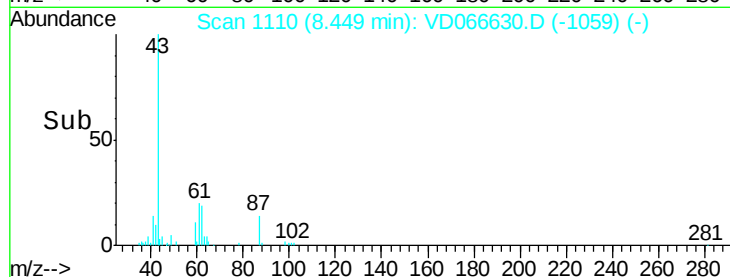
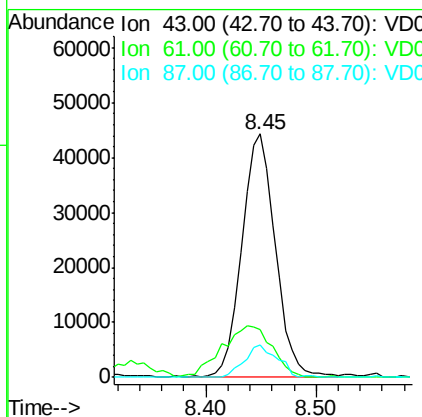
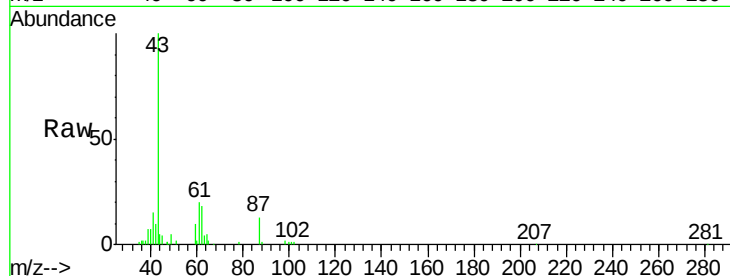
ClientSampleId :

VD0910SBS02

Tot Ion:	43	Resp:	94697
Ion	Ratio	Lower	Upper
43	100		
61	31.4	23.8	35.8
87	13.3	10.7	16.1

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#44

Trichloroethene

Concen: 20.877 ug/l

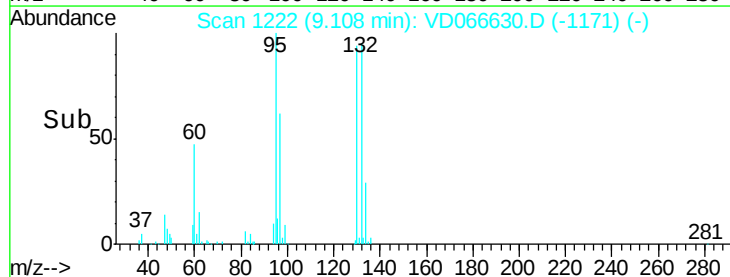
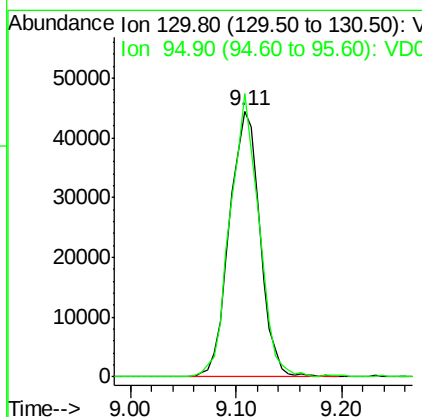
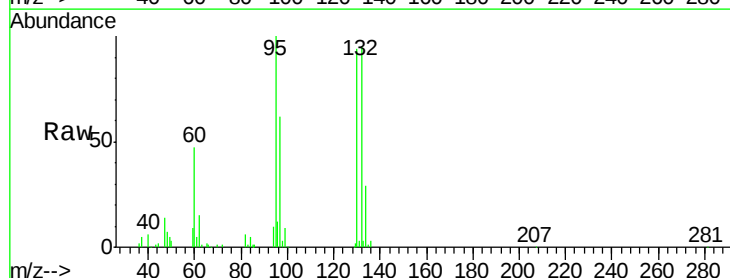
RT: 9.11 min Scan# 1222

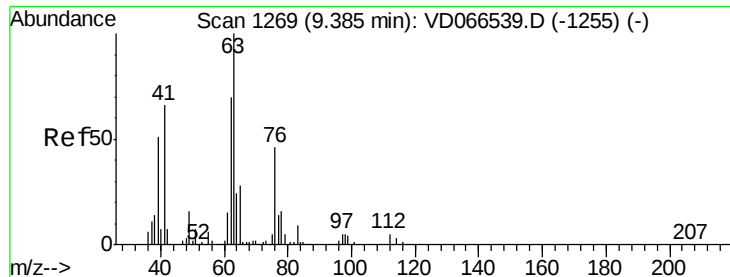
Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Tgt Ion:	130	Resp:	88776
Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	194.4





#45

1,2-Dichloropropane

Concen: 21.016 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 63 Resp: 85677

Ion Ratio Lower Upper

63 100

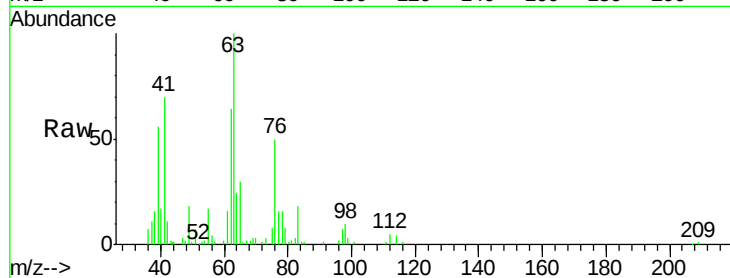
65 29.5 22.6 34.0

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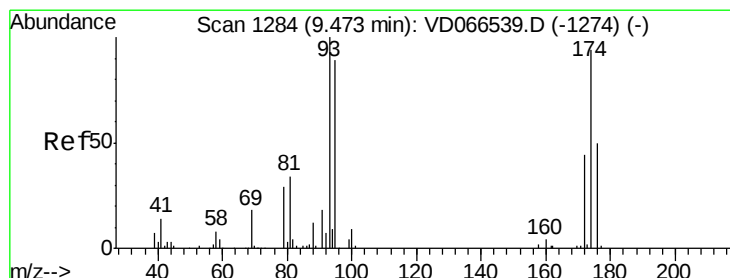
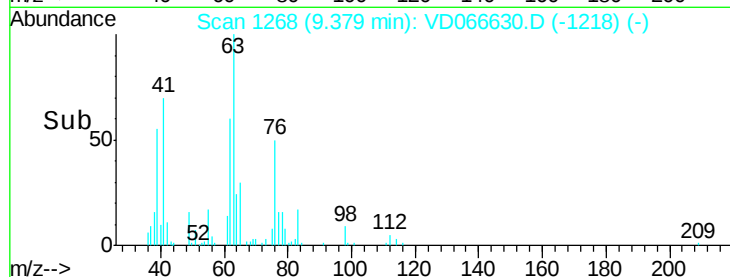
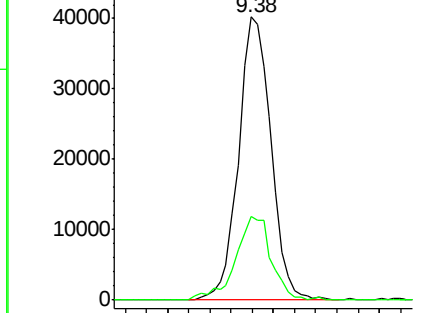
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.342 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

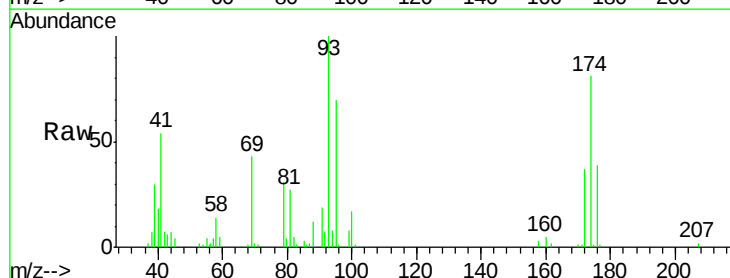
Tgt Ion: 93 Resp: 48002

Ion Ratio Lower Upper

93 100

95 81.0 68.7 103.1

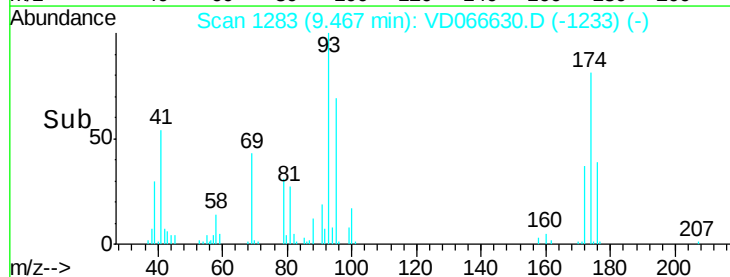
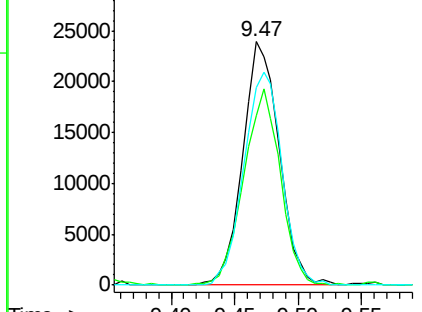
174 91.4 70.0 105.0

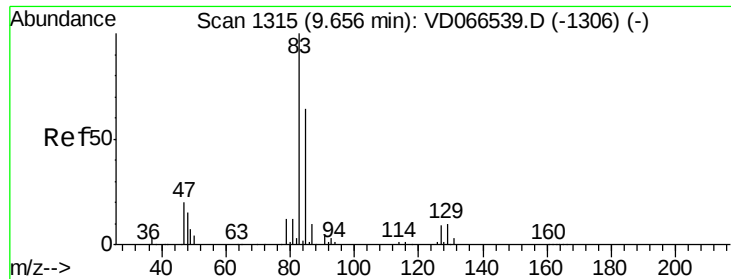


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





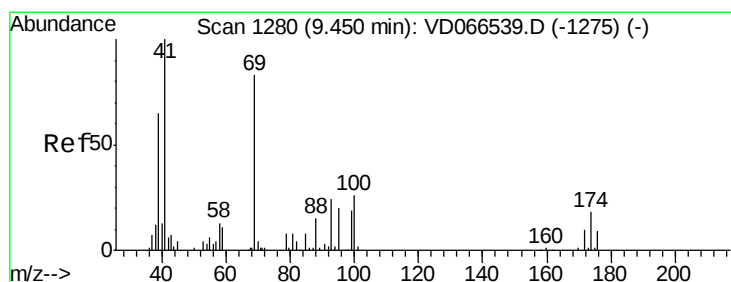
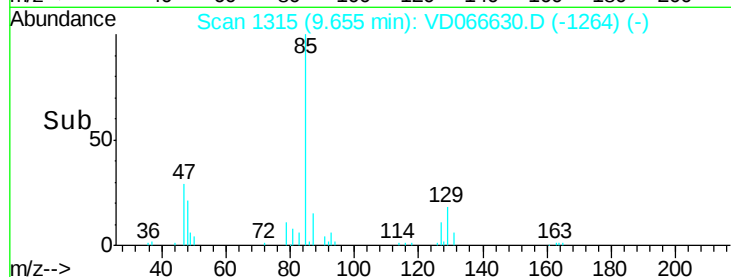
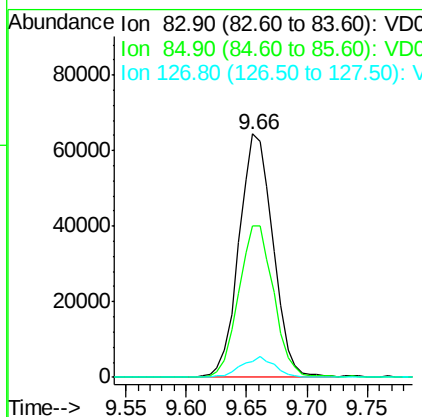
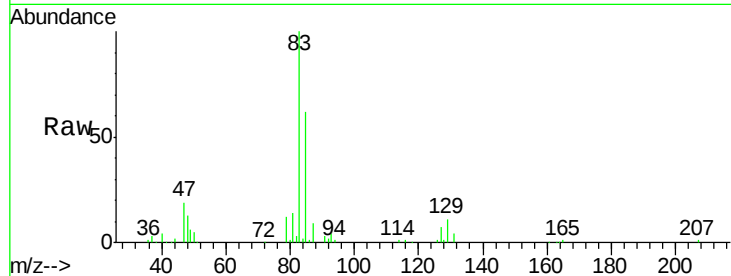
#47
Bromodichloromethane
Concen: 20.858 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	83	Resp	126926
Ion Ratio	100		
85	62.3	51.1	76.7
127	6.6	6.9	10.3#

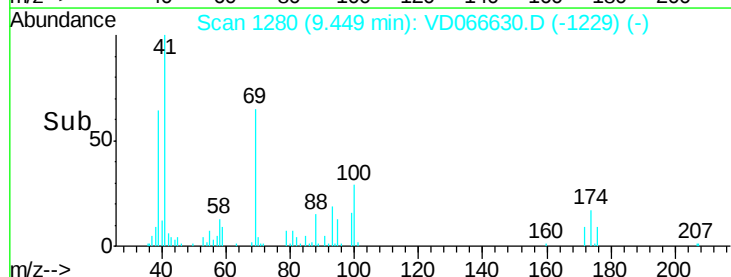
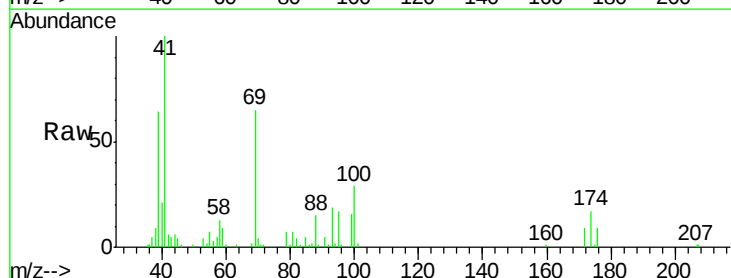
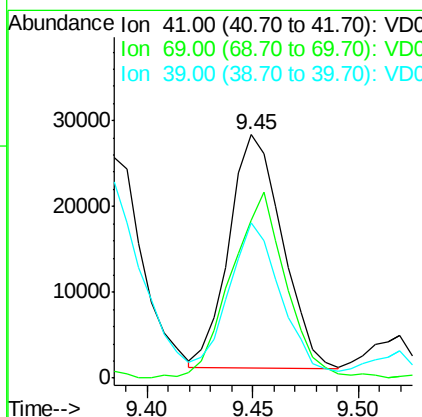
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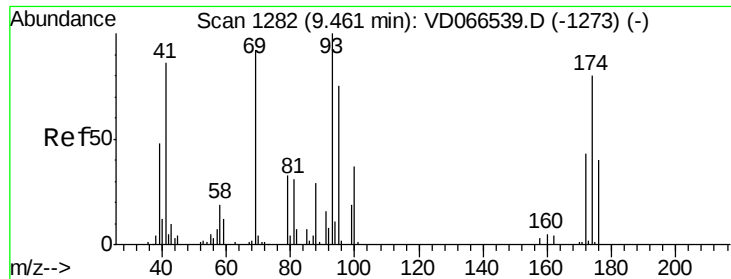
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#48
Methyl methacrylate
Concen: 20.743 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	41	Resp	47375
Ion Ratio	100		
69	82.6	64.5	96.7
39	67.8	46.6	69.8





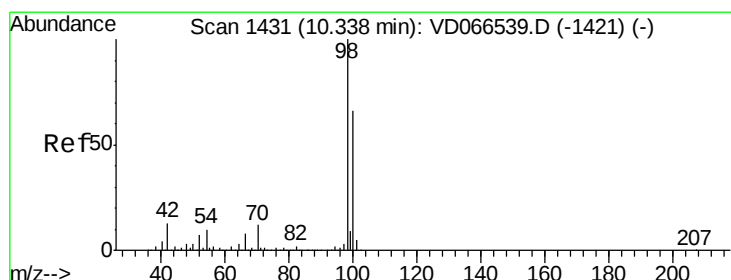
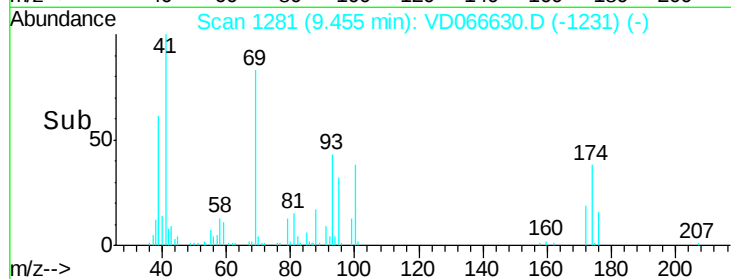
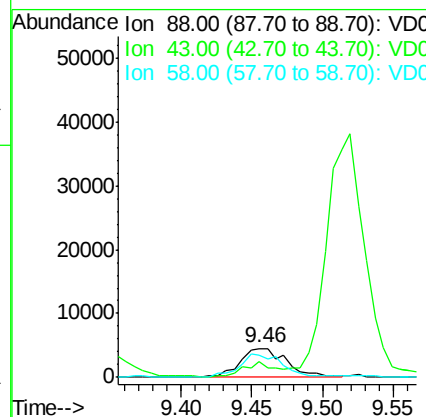
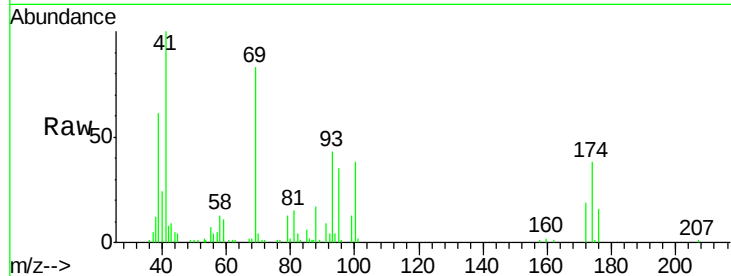
#49
1,4-Dioxane
Concen: 425.445 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	88	Resp	10498
Ion Ratio	Lower	Upper	
88	100		
43	36.8	28.3	42.5
58	80.0	56.1	84.1

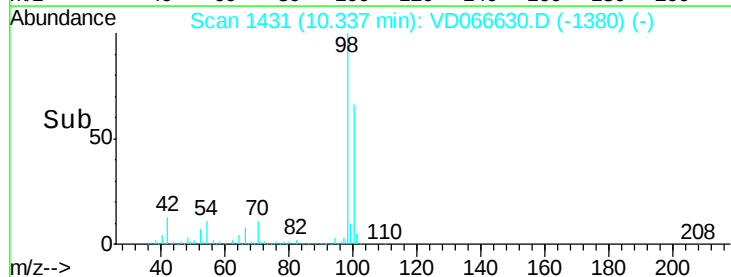
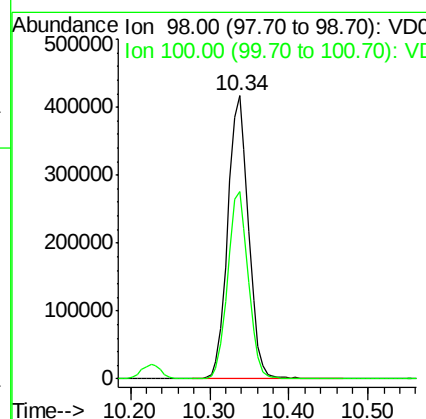
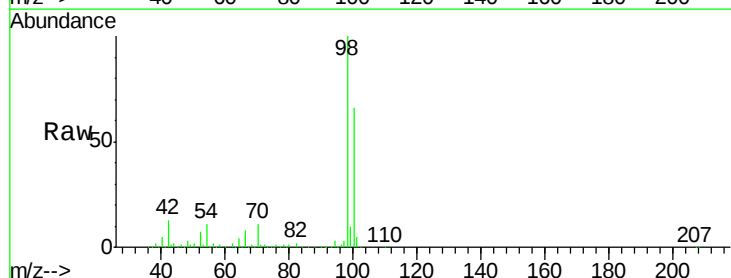
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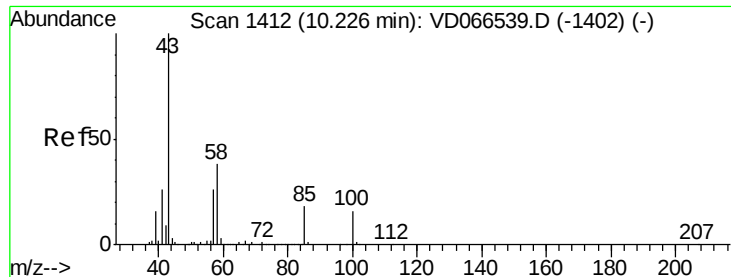
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#50
Toluene-d8
Concen: 54.950 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	98	Resp	753555
Ion Ratio	Lower	Upper	
98	100		
100	66.0	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 109.919 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 43 Resp: 250390

Ion Ratio Lower Upper

43 100

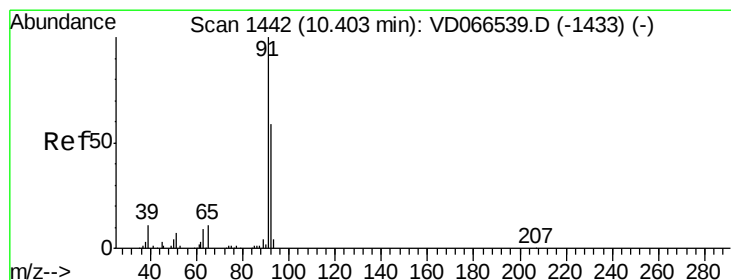
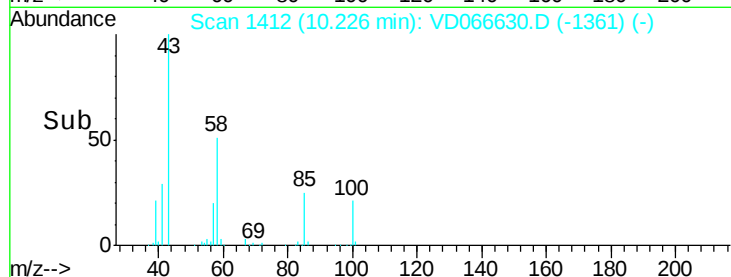
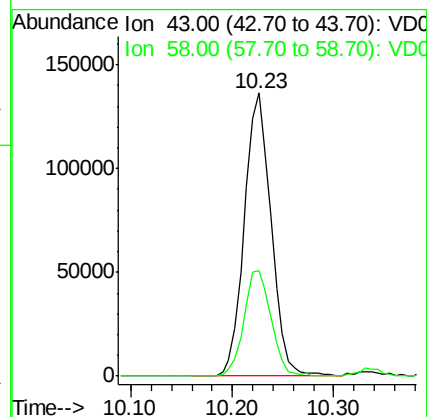
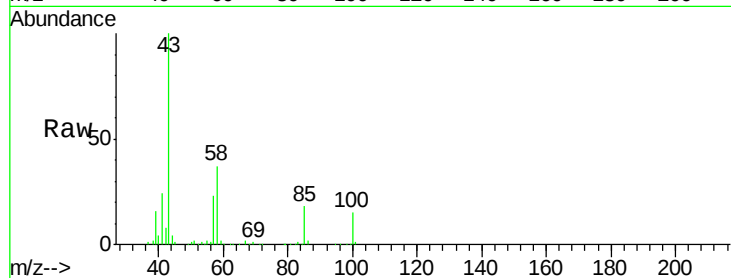
58 37.8 30.5 45.7

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#52

Toluene

Concen: 21.489 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066630.D

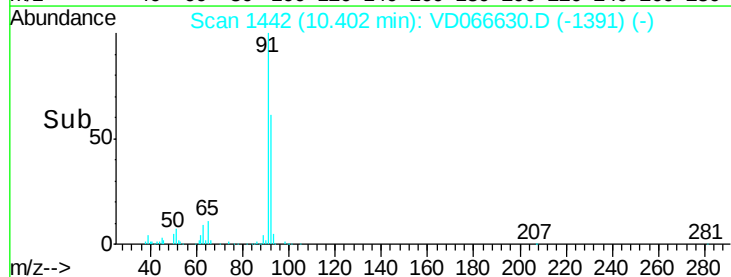
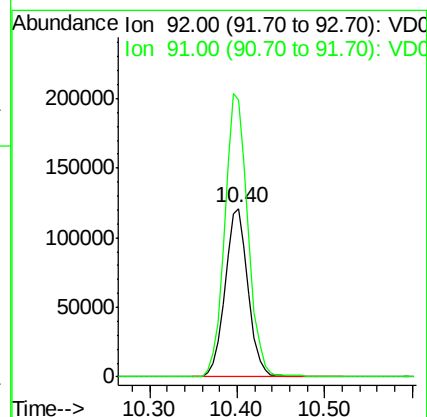
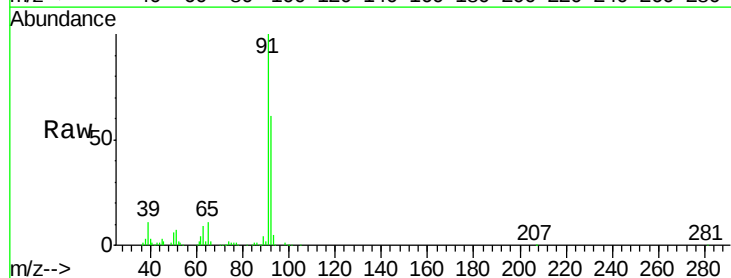
Acq: 10 Sep 2020 23:55

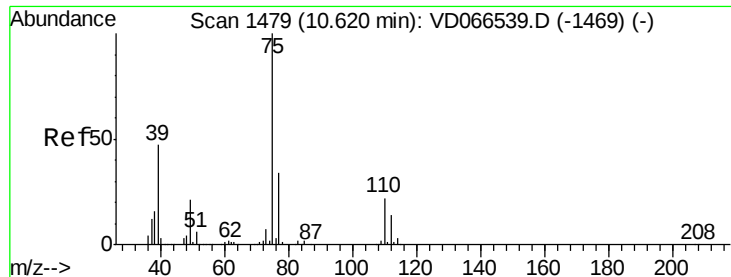
Tgt Ion: 92 Resp: 220514

Ion Ratio Lower Upper

92 100

91 168.1 137.4 206.2





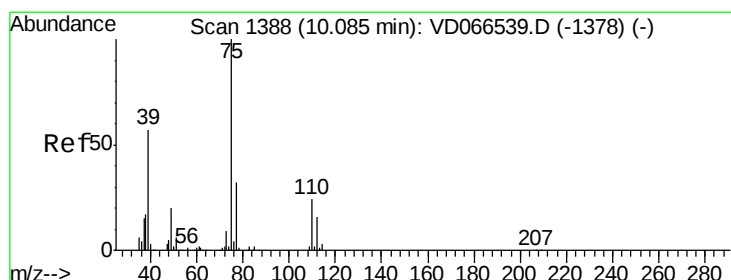
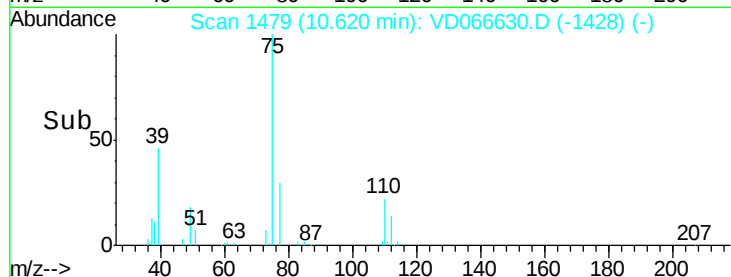
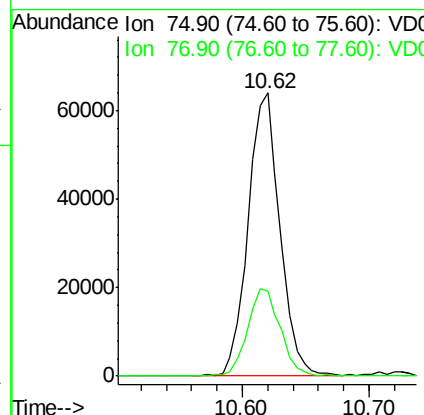
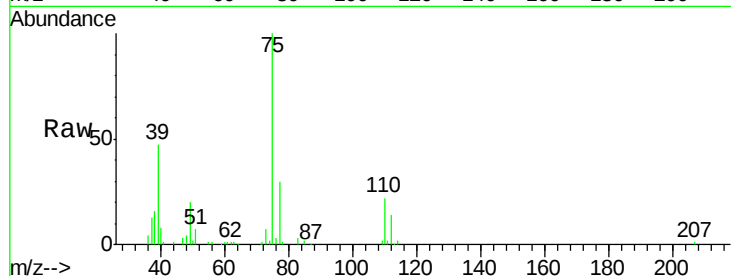
#53
t-1,3-Dichloropropene
Concen: 20.780 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.8	27.4	41.2

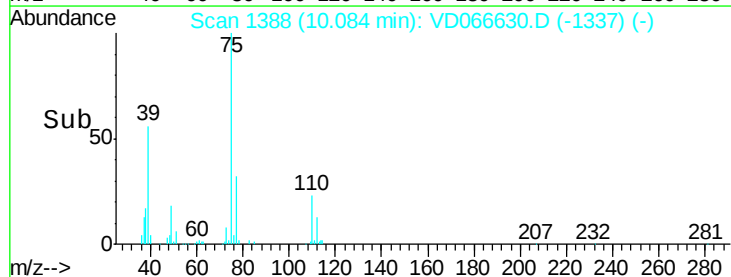
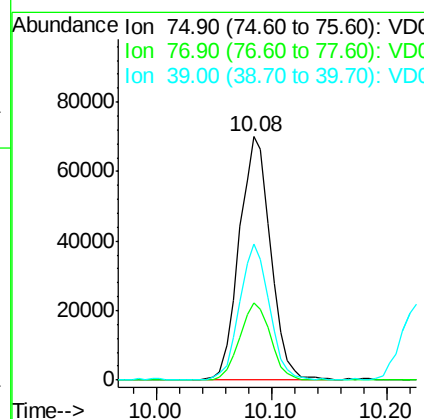
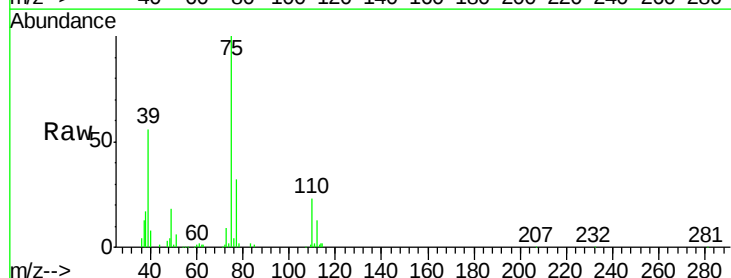
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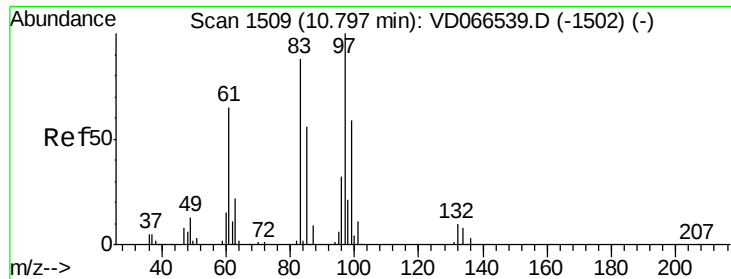
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#54
cis-1,3-Dichloropropene
Concen: 20.402 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	55.8	45.4	68.0





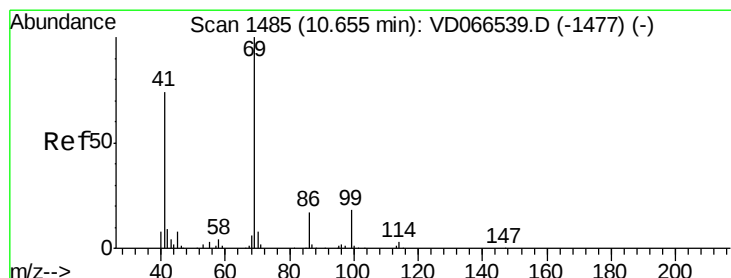
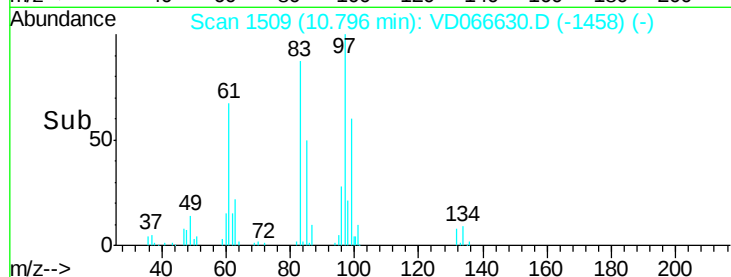
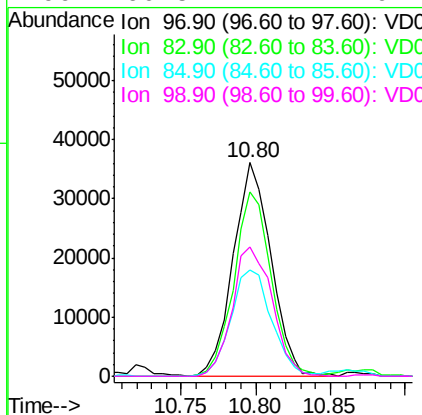
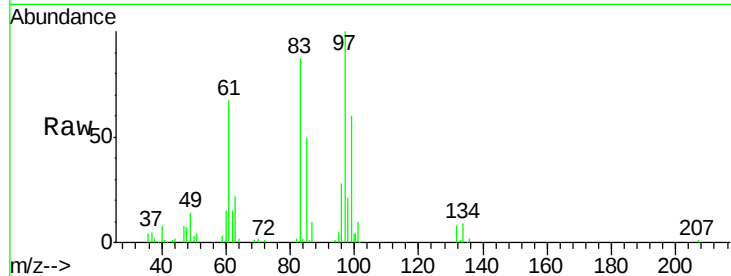
#55
 1,1,2-Trichloroethane
 Concen: 22.090 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion:	97	Resp:	63882
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.1	105.1
85	49.5	44.5	66.7
99	60.5	47.1	70.7

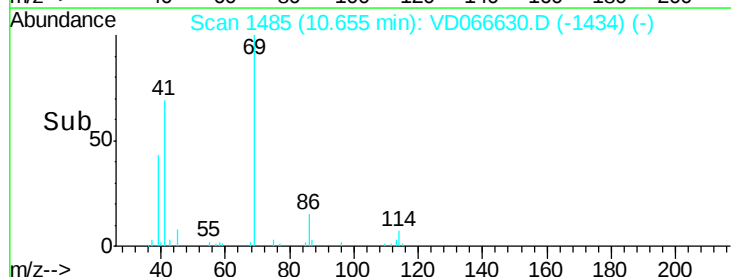
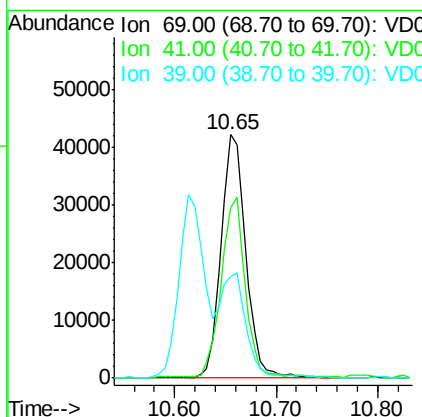
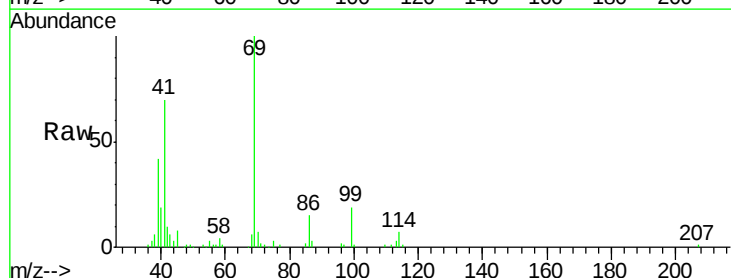
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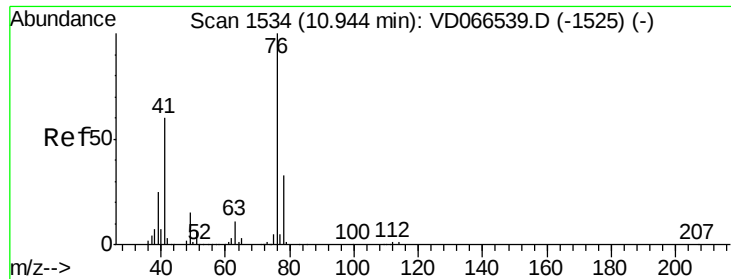
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#56
 Ethyl methacrylate
 Concen: 21.354 ug/l
 RT: 10.65 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Tgt Ion:	69	Resp:	71903
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.8	85.2
39	46.2	30.6	46.0#





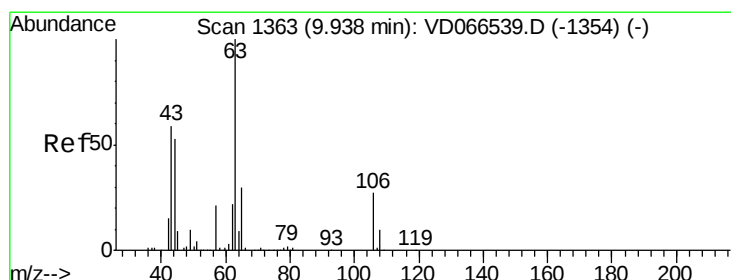
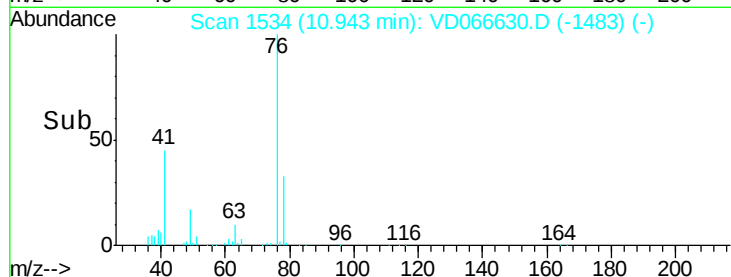
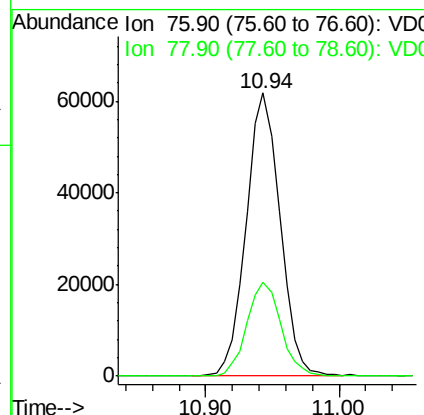
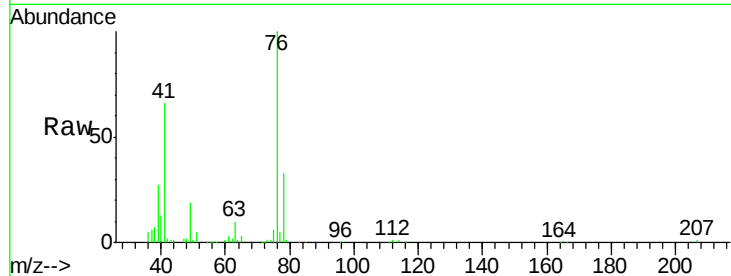
#57
 1,3-Dichloropropane
 Concen: 21.392 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

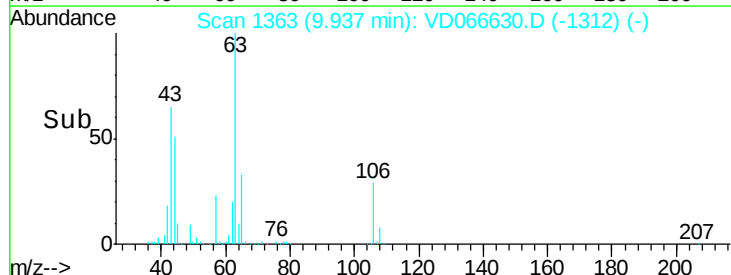
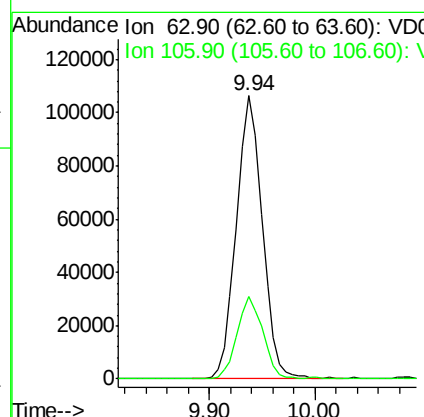
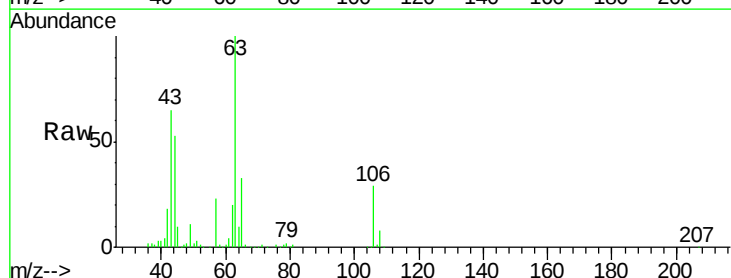
Manual Integrations
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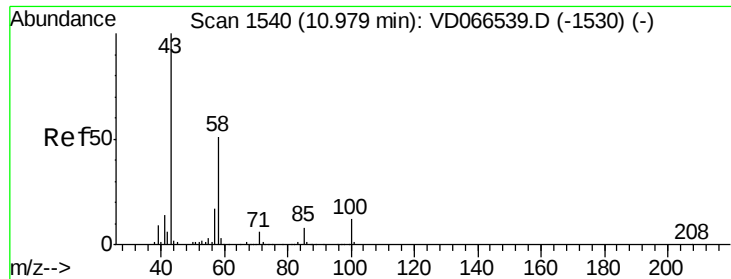
MMDadoda
 9/11/2020 10:18:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.696 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.0	33.0





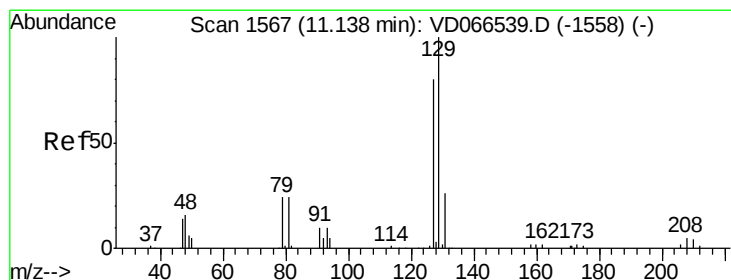
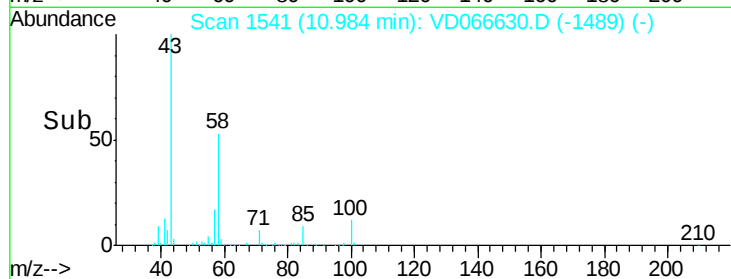
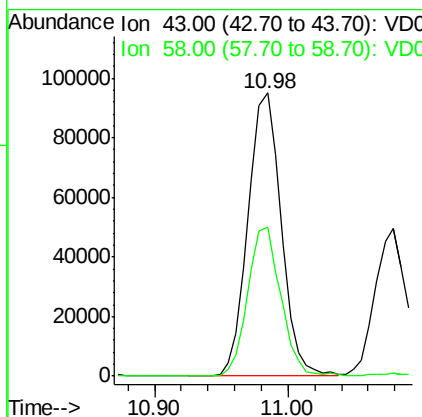
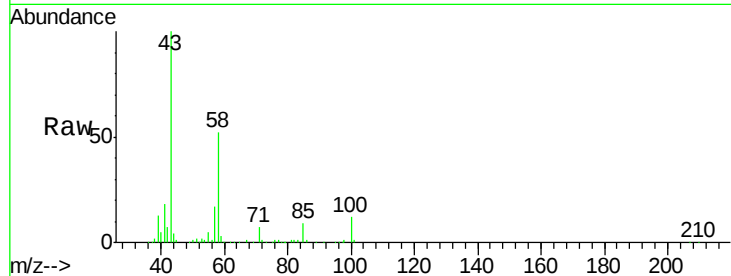
#59
2-Hexanone
Concen: 106.786 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion: 43 Resp: 163584
Ion Ratio Lower Upper
43 100
58 52.2 25.6 76.8

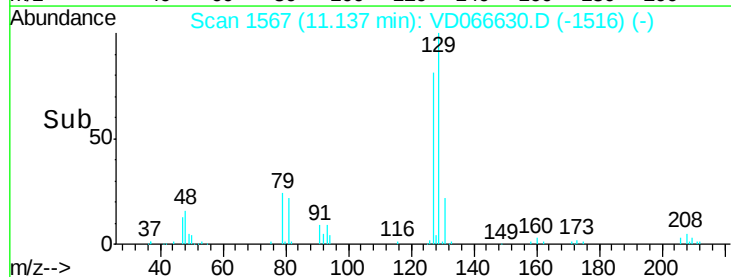
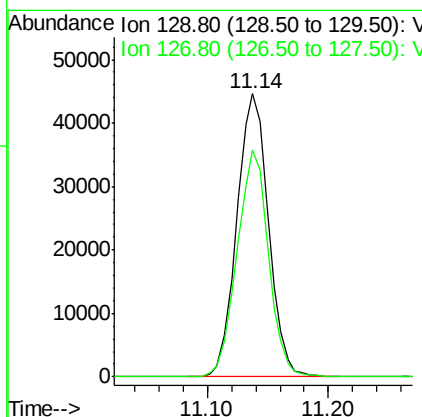
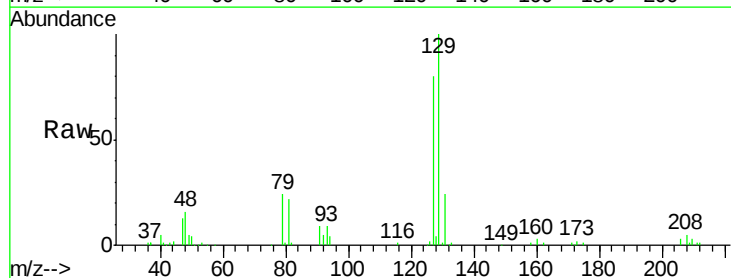
Manual Integrations
APPROVED

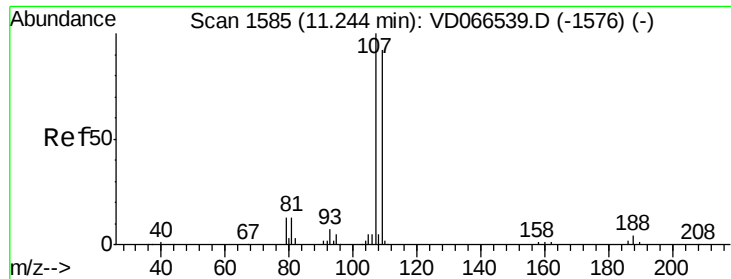
MMDadoda
9/11/2020 10:18:02 AM



#60
Dibromochloromethane
Concen: 21.383 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion: 129 Resp: 81772
Ion Ratio Lower Upper
129 100
127 79.7 39.5 118.3





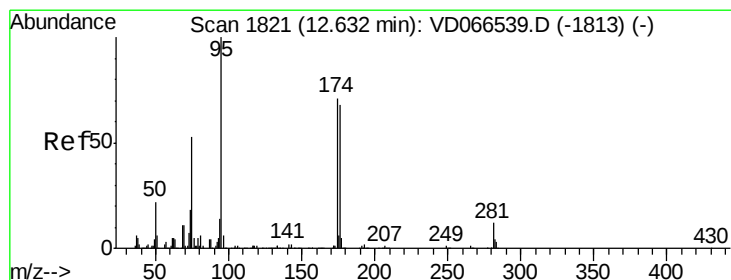
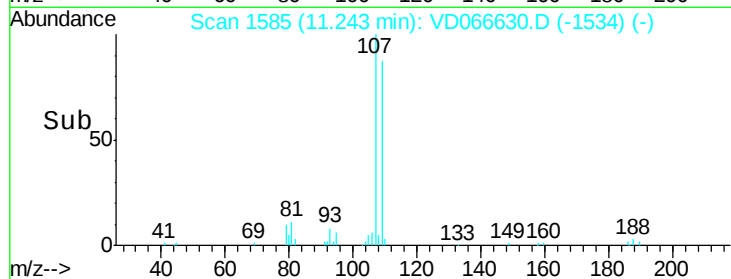
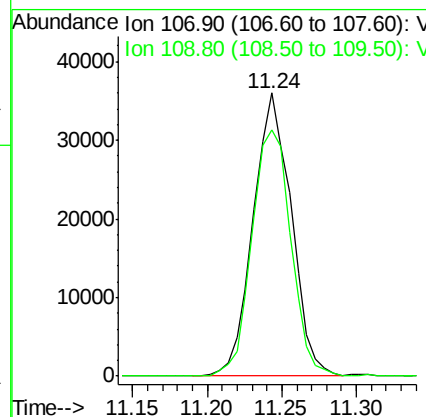
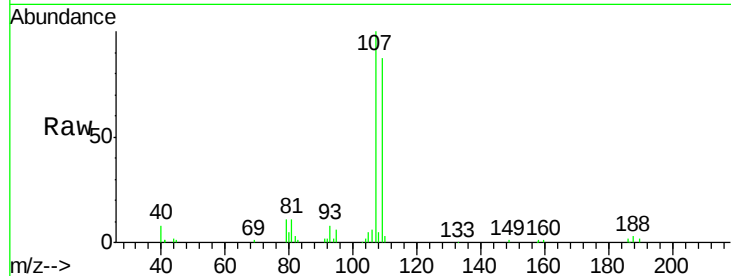
#61
 1,2-Dibromoethane
 Concen: 22.574 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.9	74.4	111.6

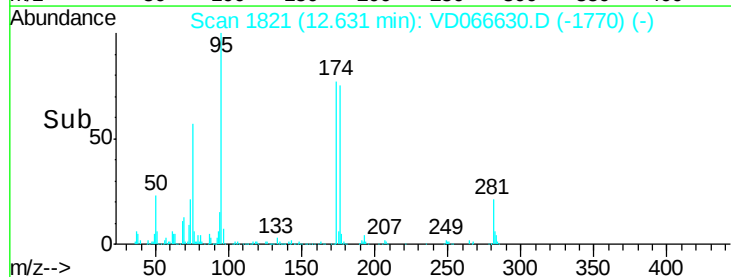
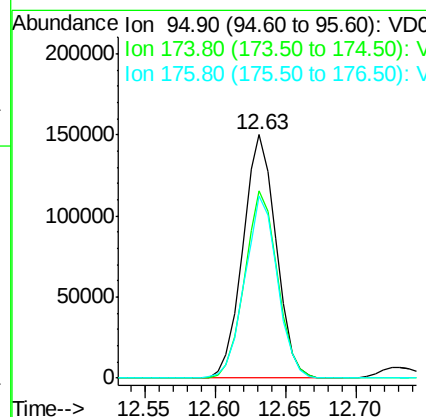
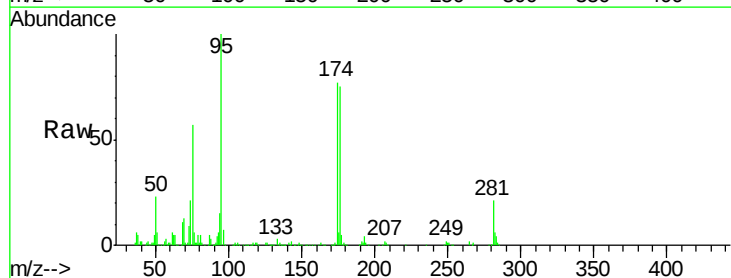
Manual Integrations
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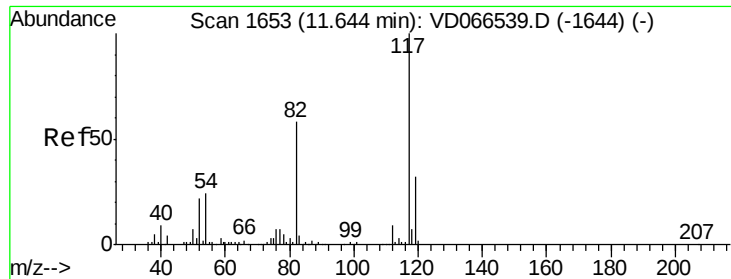
MMDadoda
 9/11/2020 10:18:02 AM



#62
 4-Bromofluorobenzene
 Concen: 54.139 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	155.8
176	73.5	0.0	148.6





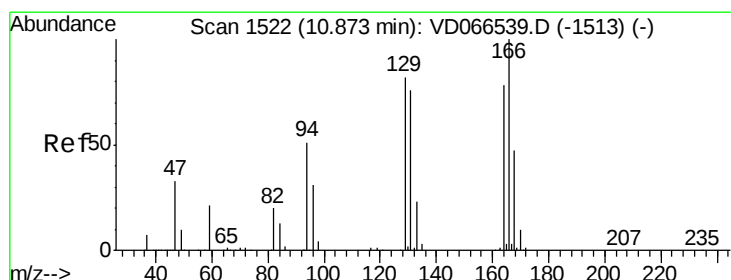
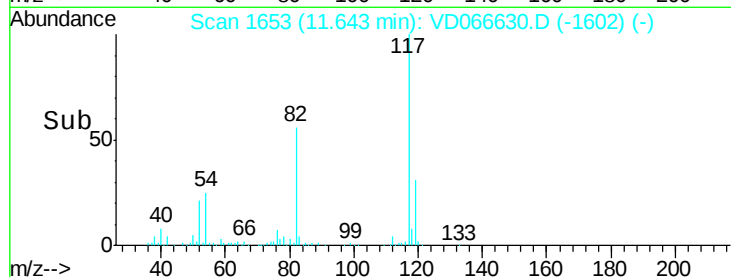
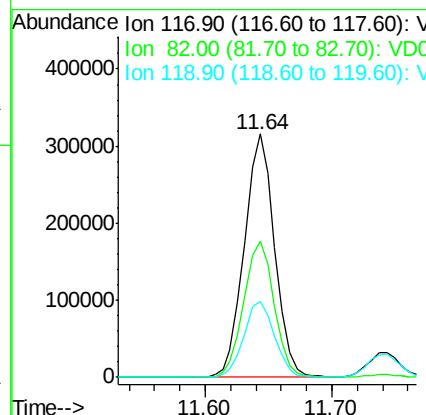
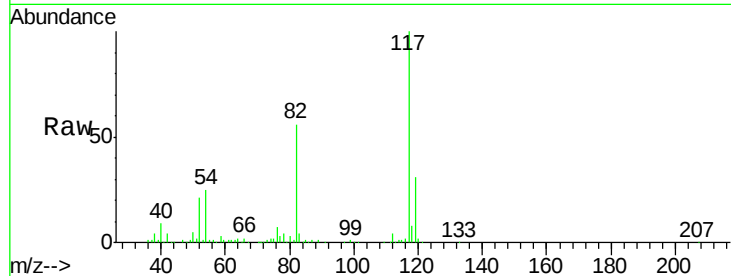
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	523147		
82	56.1		46.2	69.2
119	31.2		25.8	38.8

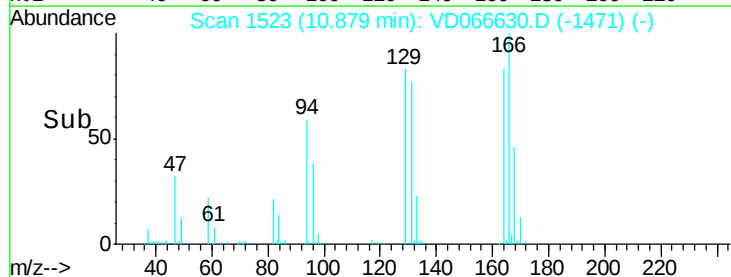
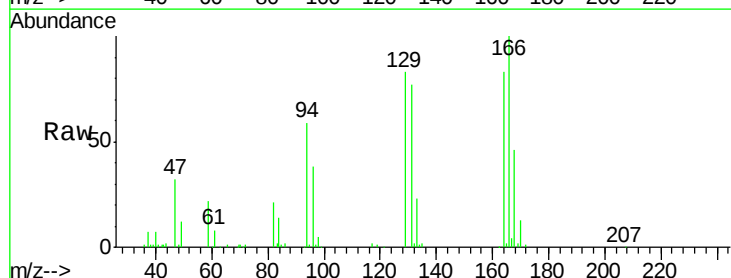
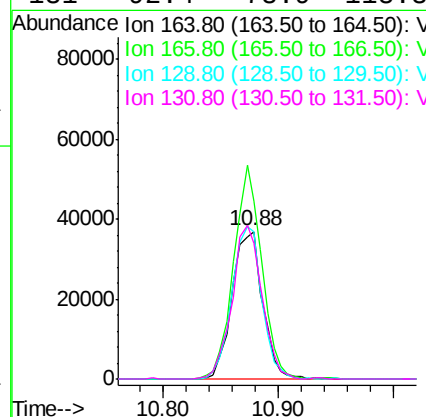
Manual Integrations
APPROVED

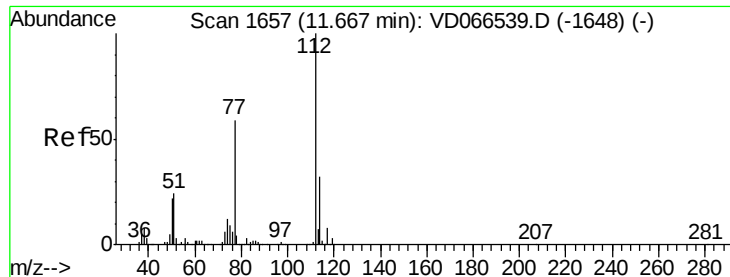
MMDadoda
9/11/2020 10:18:02 AM



#64
Tetrachloroethene
Concen: 19.253 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	67817		
166	120.7		103.2	154.8
129	99.9		84.5	126.7
131	92.4		78.9	118.3





#65

Chlorobenzene

Concen: 20.632 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion:112 Resp: 222772

Ion Ratio Lower Upper

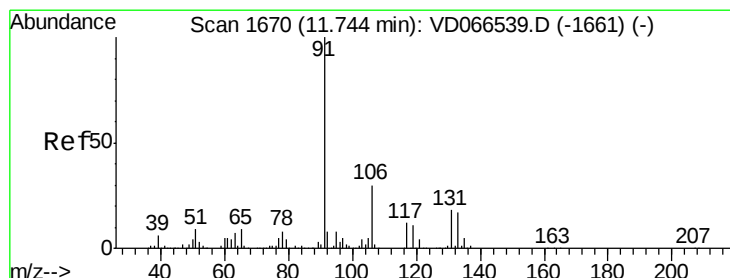
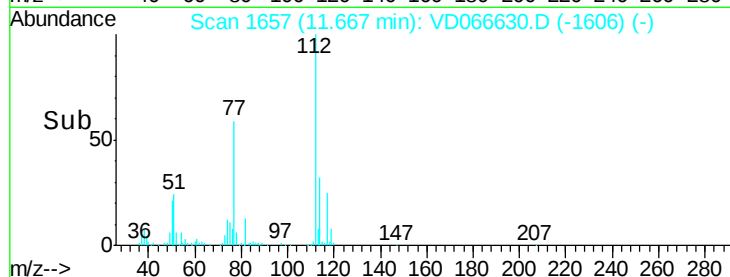
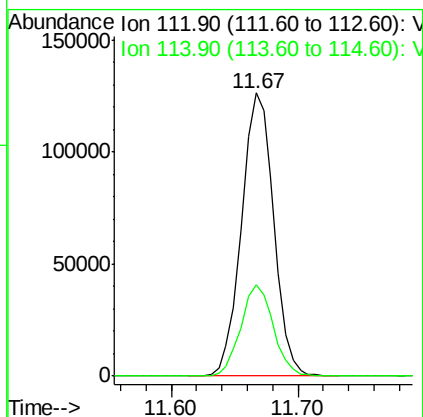
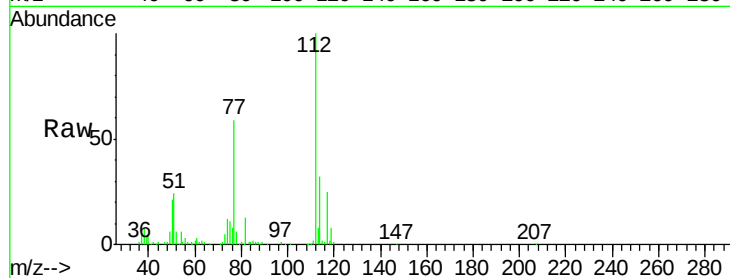
112 100

114 32.3 25.7 38.5

Manual Integrations
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9/11/2020 10:18:02 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.765 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

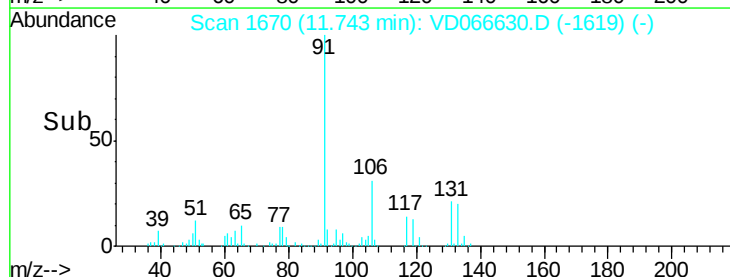
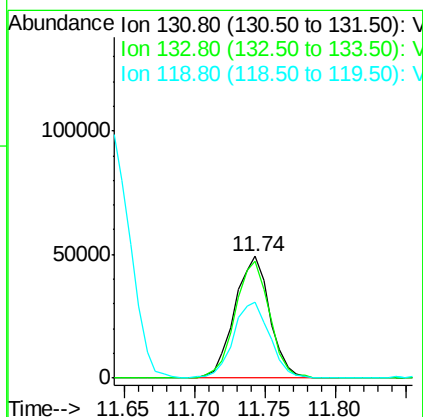
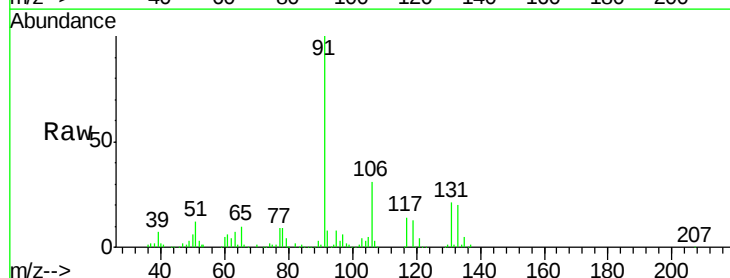
Tgt Ion:131 Resp: 85569

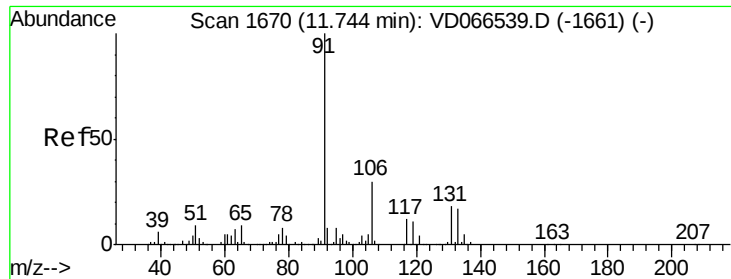
Ion Ratio Lower Upper

131 100

133 94.7 46.7 140.0

119 64.3 31.9 95.7





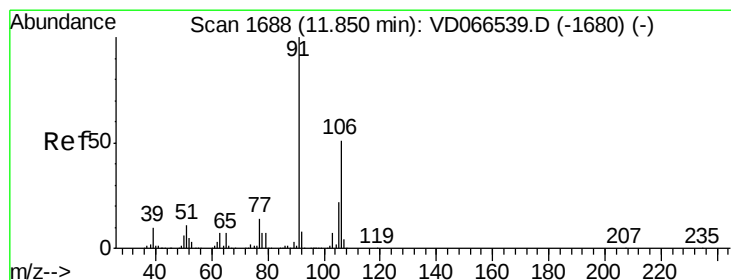
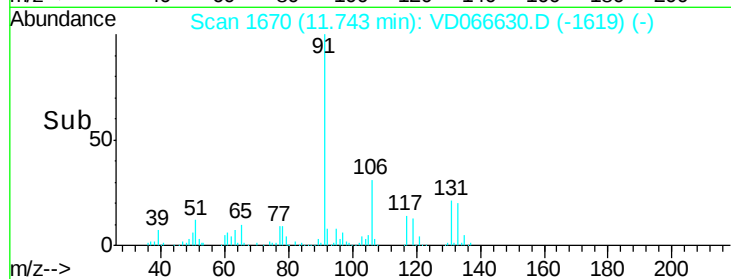
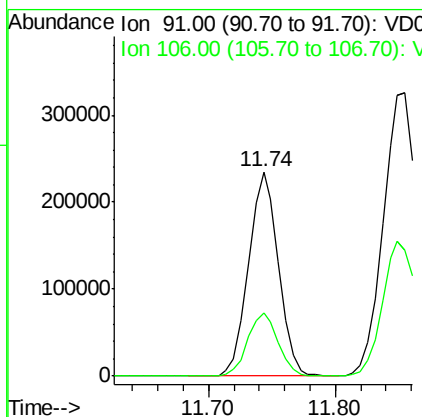
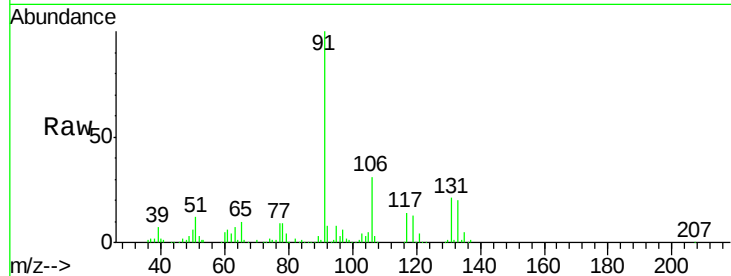
#67
Ethyl Benzene
Concen: 19.450 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	91	Resp	385621
Ion Ratio	100	Lower	Upper
106	30.7	24.3	36.5

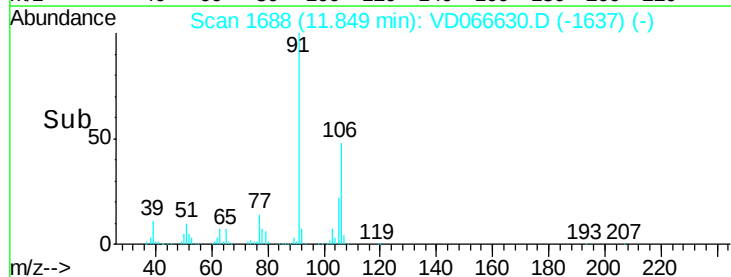
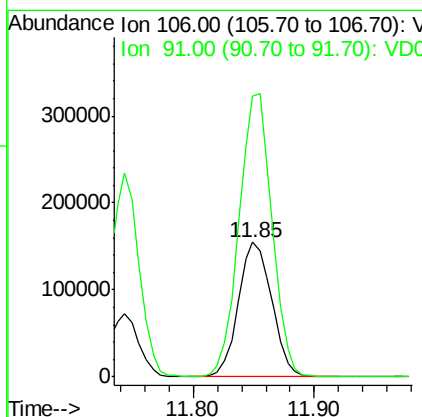
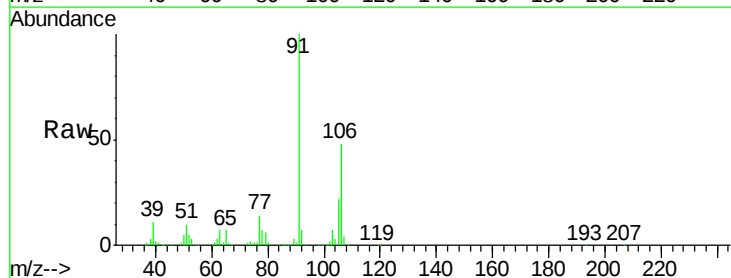
Manual Integrations
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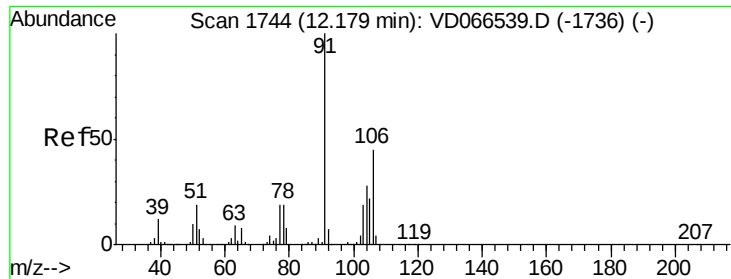
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9/11/2020 10:18:02 AM



#68
m/p-Xylenes
Concen: 40.677 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	106	Resp	299446
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	207.6	162.4	243.6





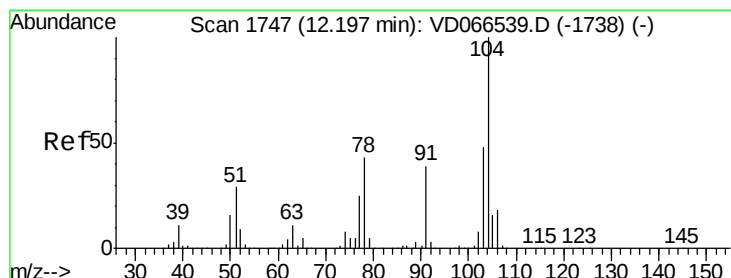
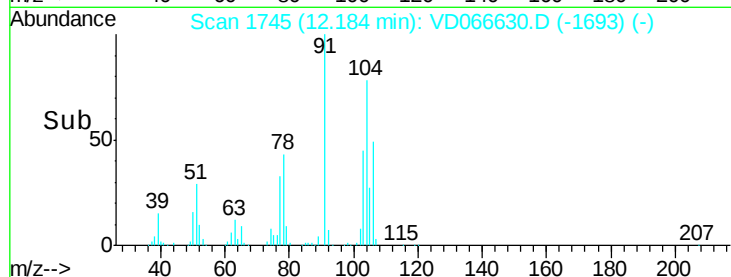
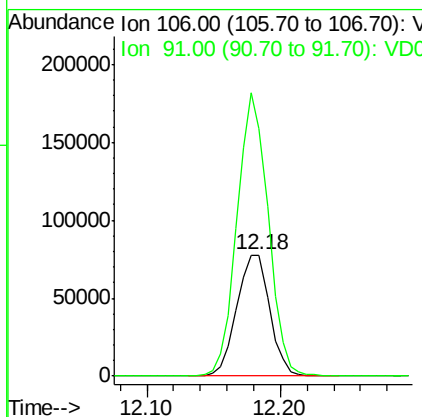
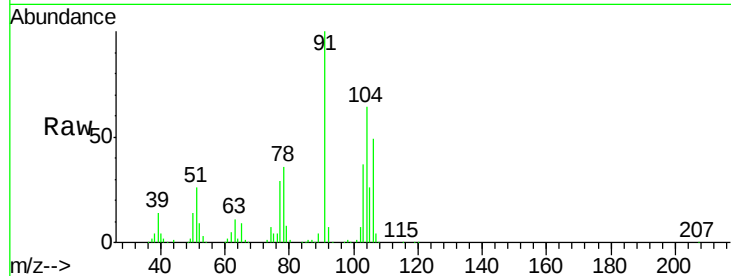
#69
o-Xylene
Concen: 20.140 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		132871		
91	221.0	107.9	323.8		

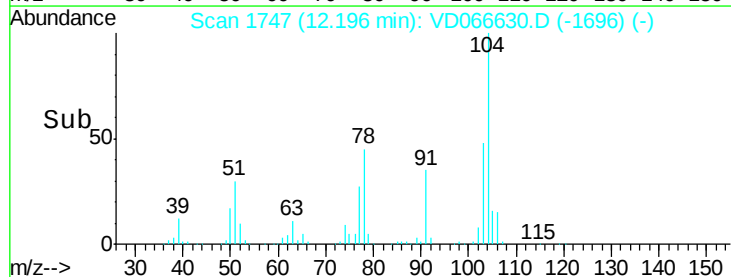
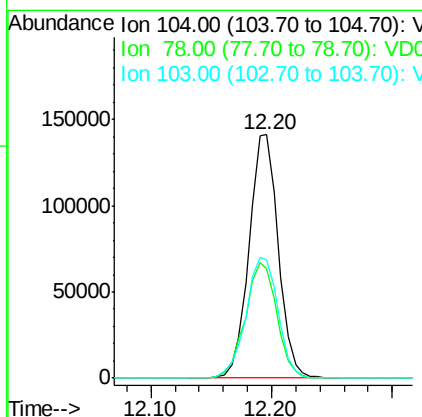
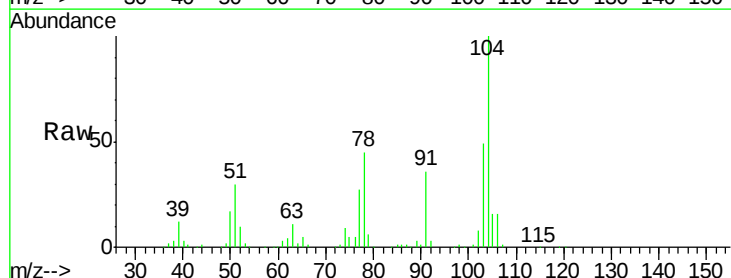
Manual Integrations
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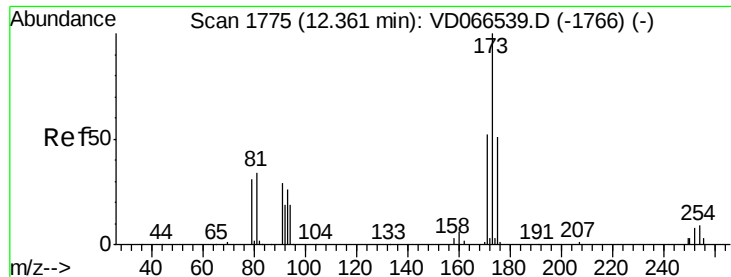
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#70
Styrene
Concen: 20.816 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		238754		
78	51.3	40.7	61.1		
103	54.0	42.9	64.3		





#71

Bromoform

Concen: 20.796 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion:173 Resp: 43188

Ion Ratio Lower Upper

173 100

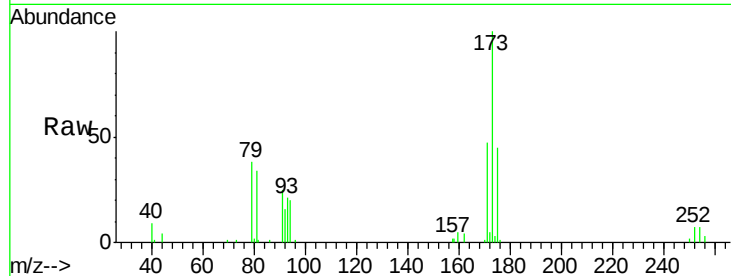
175 47.3 24.2 72.6

254 0.0 0.0 0.0

Manual Integrations
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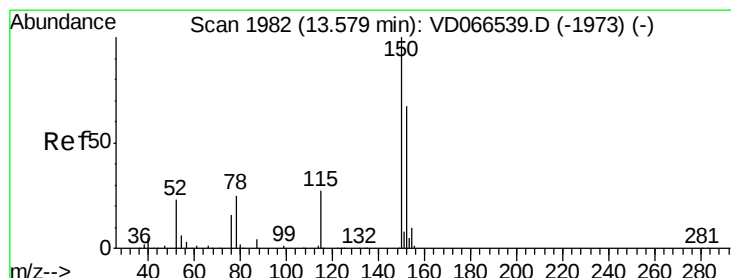
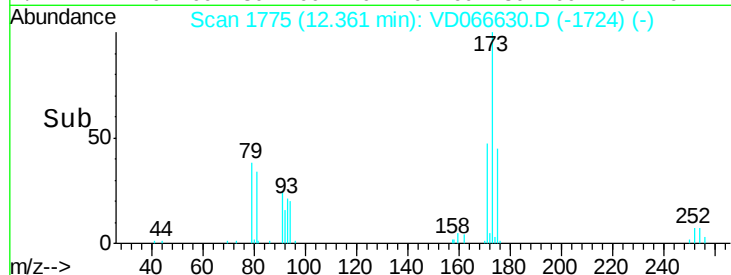
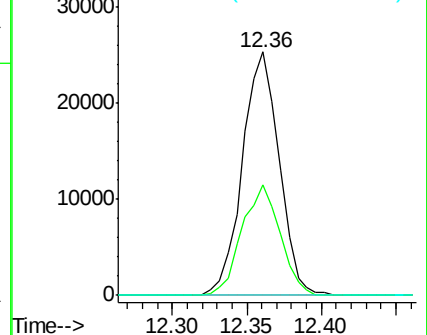
9/11/2020 10:18:02 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.01 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

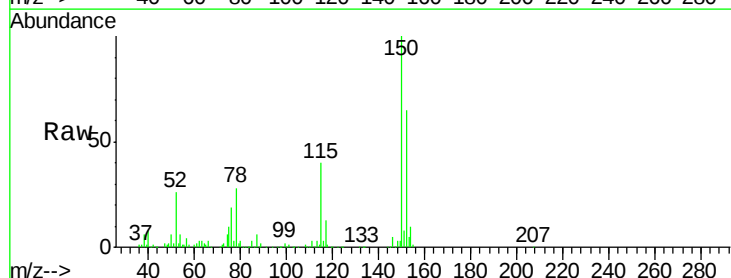
Tgt Ion:152 Resp: 239624

Ion Ratio Lower Upper

152 100

115 62.2 30.4 91.2

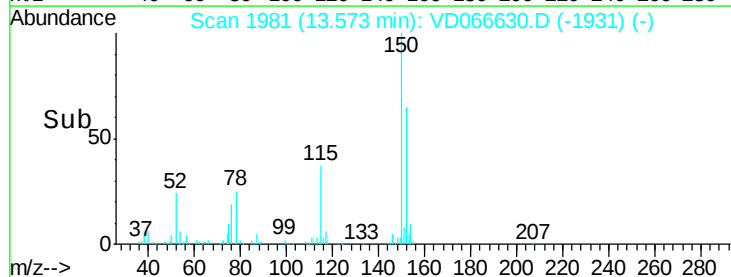
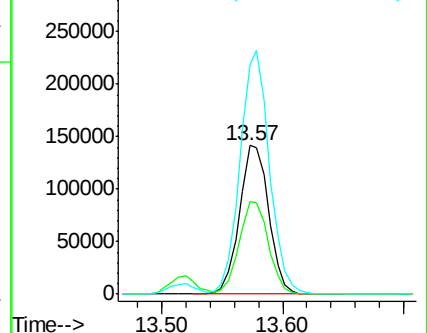
150 164.7 0.0 345.8

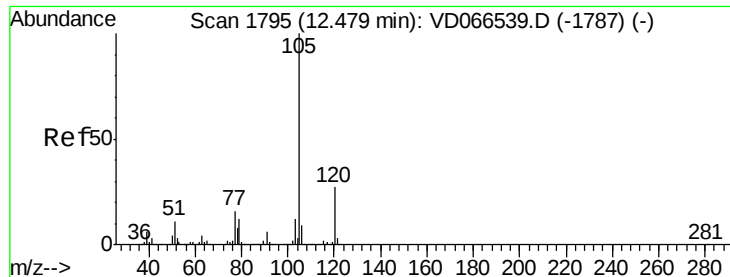


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.912 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 105 Resp: 371003

Ion Ratio Lower Upper

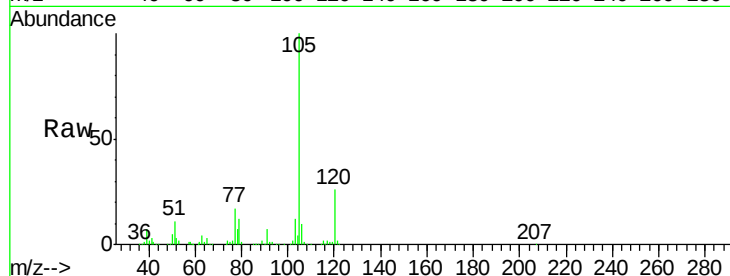
105 100

120 25.5 13.0 39.0

Manual Integrations
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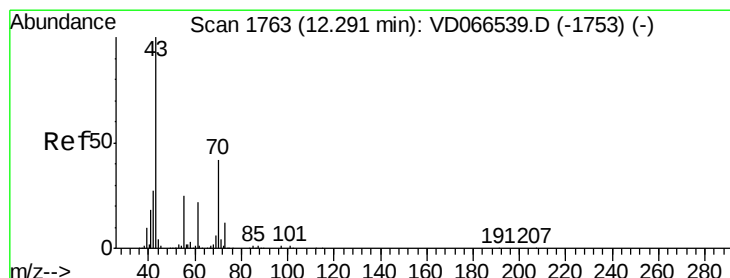
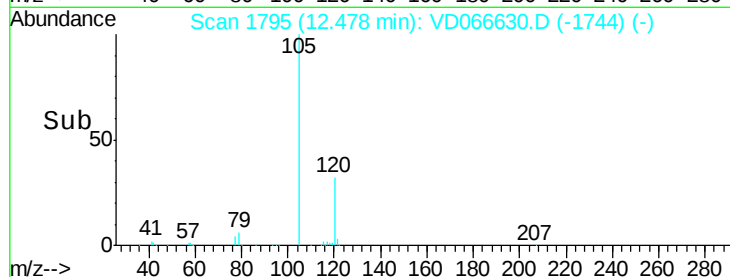
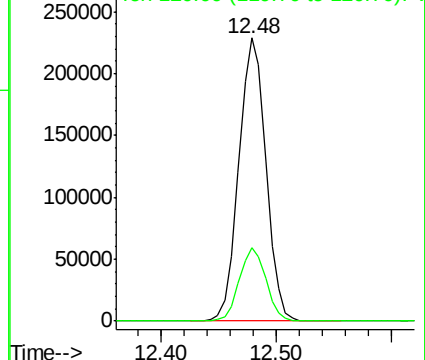
MMDadoda

9/11/2020 10:18:02 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.379 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Tgt Ion: 43 Resp: 85906

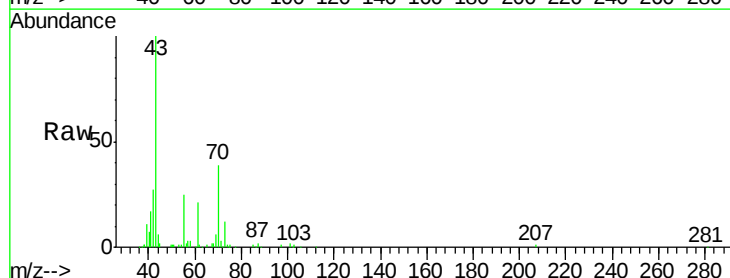
Ion Ratio Lower Upper

43 100

70 40.4 33.4 50.2

55 26.7 20.1 30.1

61 22.7 18.2 27.2

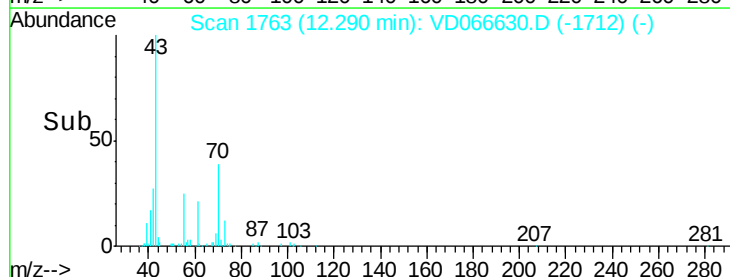
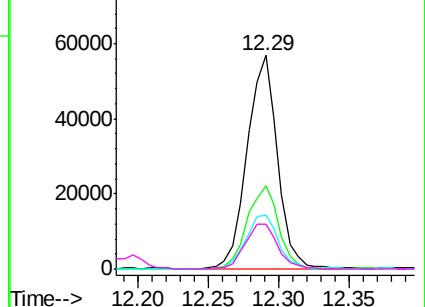


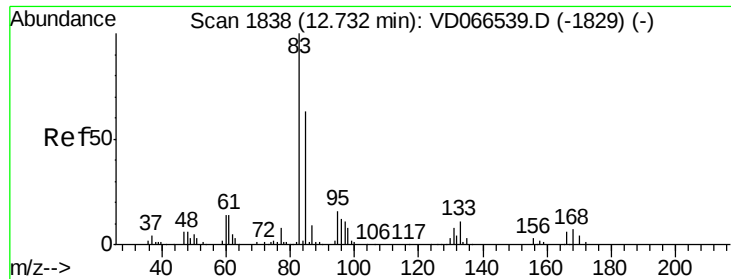
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.741 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

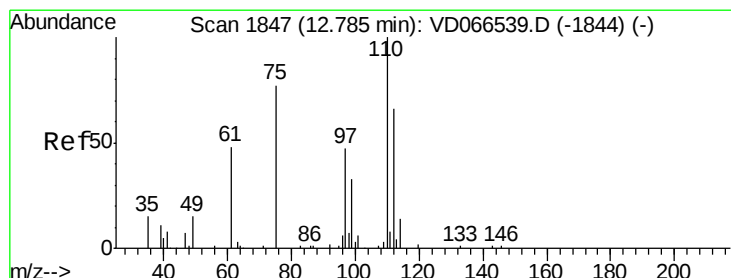
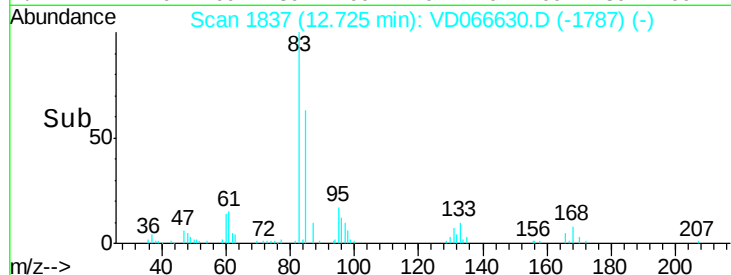
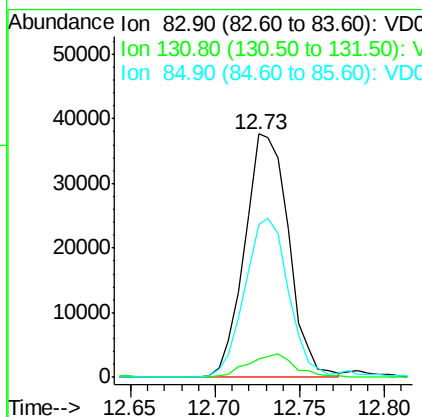
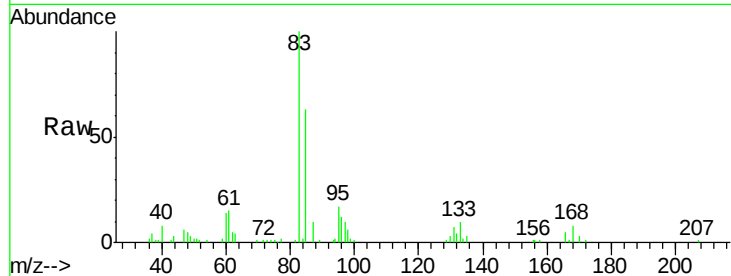
ClientSampleId :

VD0910SBS02

Tot Ion:	83	Resp:	68142
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	65.1	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.195 ug/l m

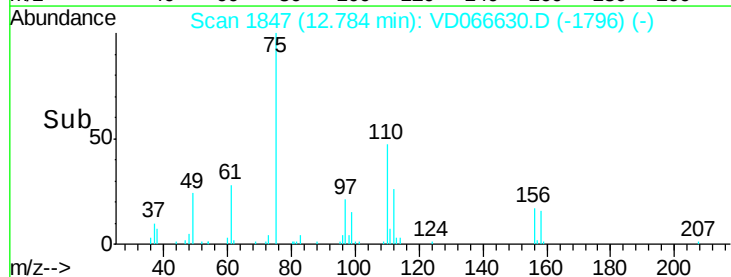
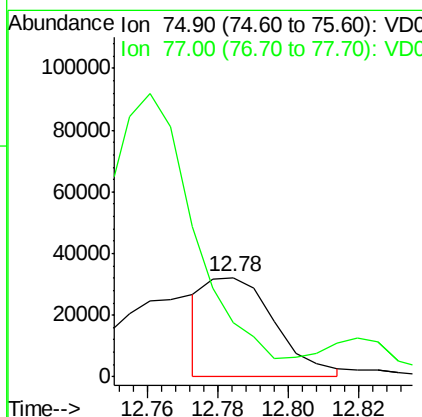
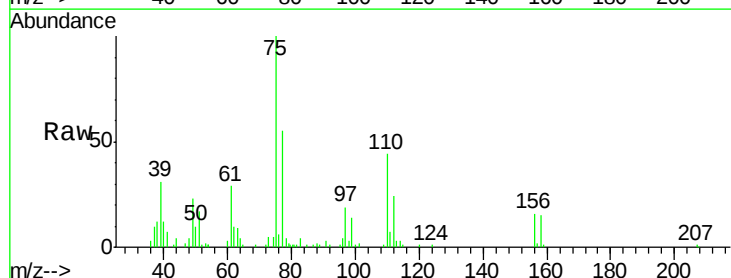
RT: 12.78 min Scan# 1847

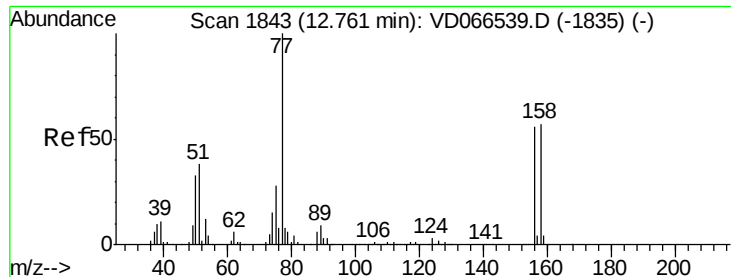
Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Tgt Ion:	75	Resp:	44236
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.385 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion:156 Resp: 84586

Ion Ratio Lower Upper

156 100

77 202.8 98.0 294.1

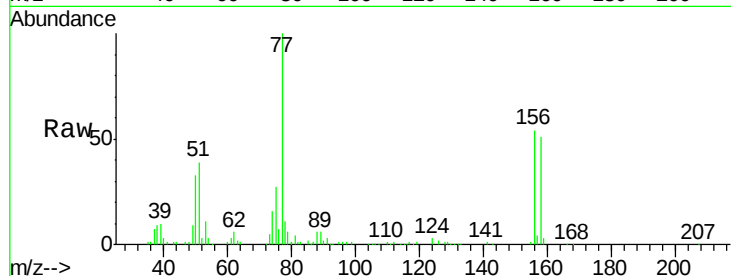
158 96.9 48.1 144.3

Manual Integrations

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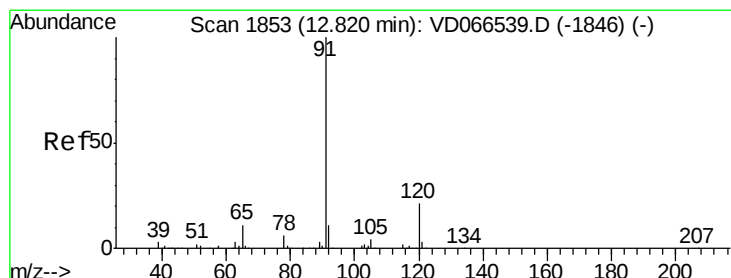
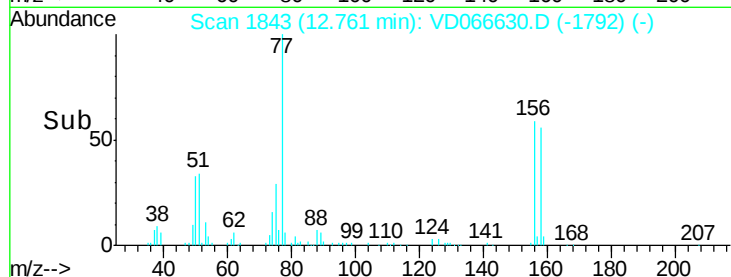
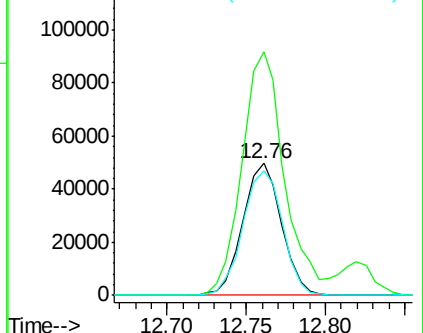
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.873 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066630.D

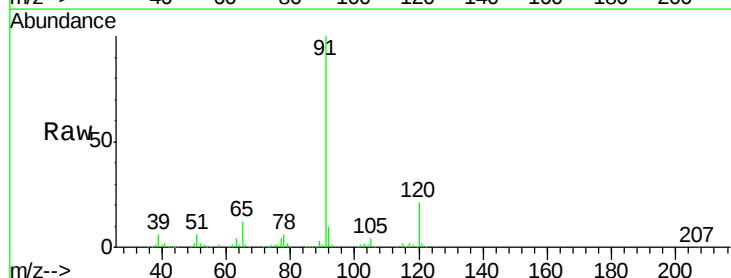
Acq: 10 Sep 2020 23:55

Tgt Ion: 91 Resp: 448925

Ion Ratio Lower Upper

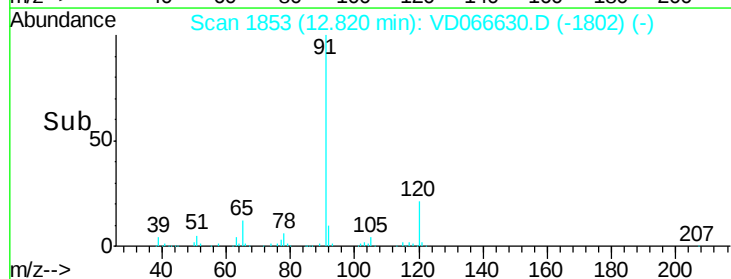
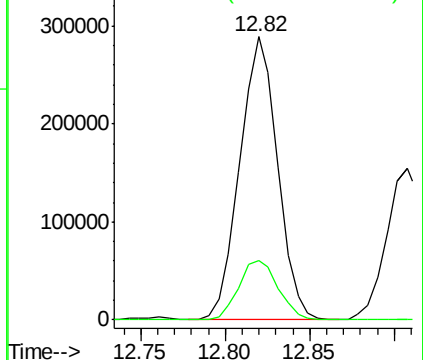
91 100

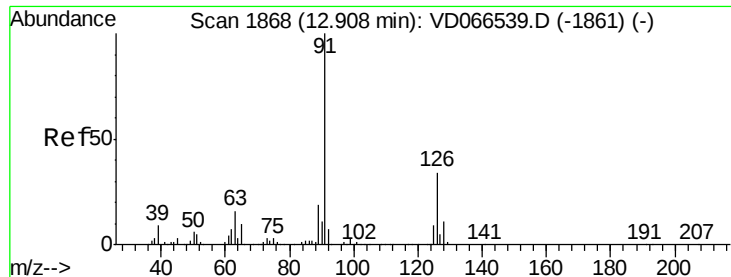
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.218 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 91 Resp: 256002

Ion Ratio Lower Upper

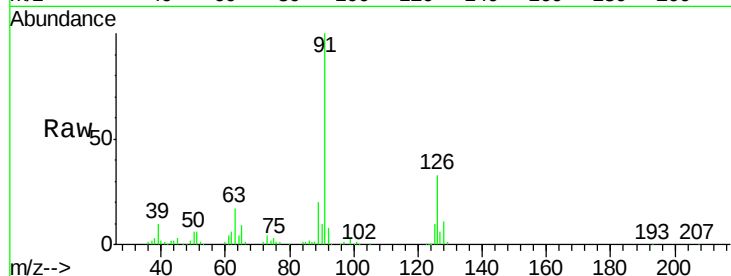
91 100

126 33.2 16.4 49.4

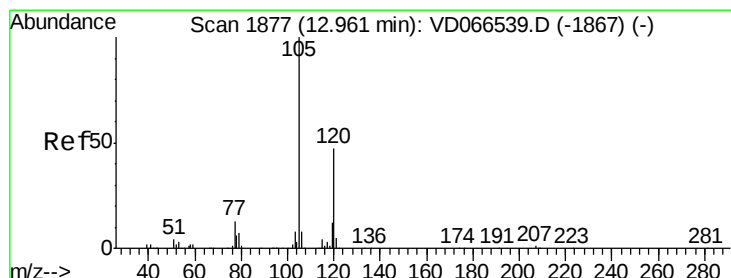
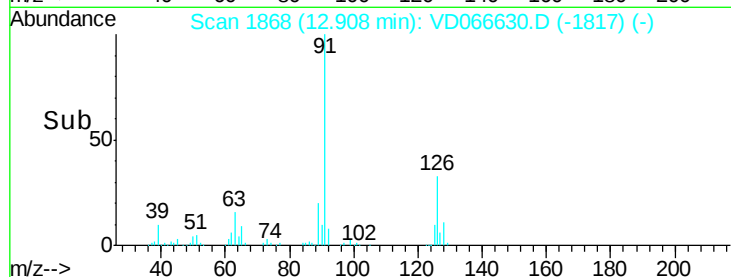
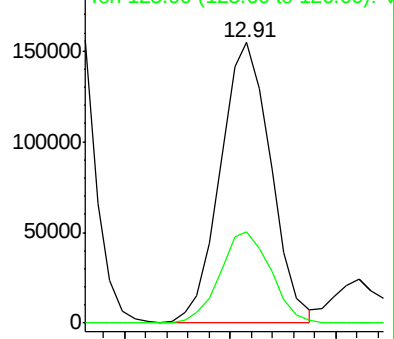
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Abundance Ion 91.00 (90.70 to 91.70): VD066630.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.787 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066630.D

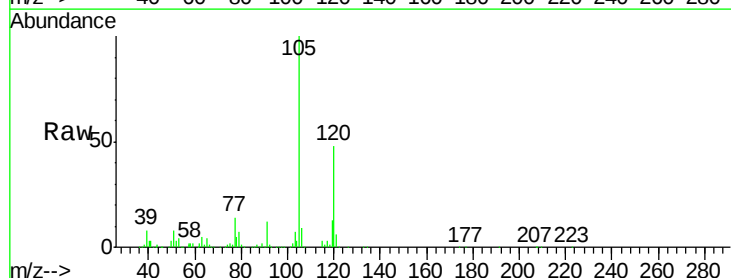
Acq: 10 Sep 2020 23:55

Tgt Ion:105 Resp: 310396

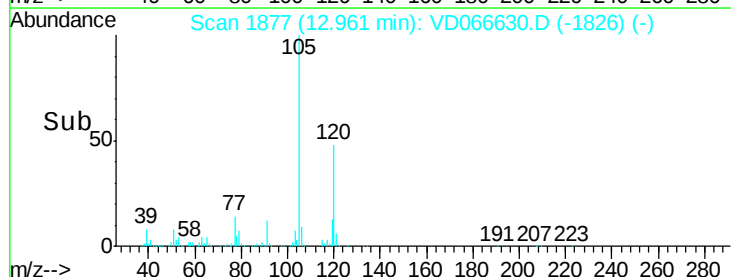
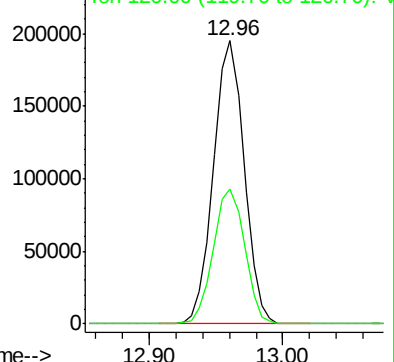
Ion Ratio Lower Upper

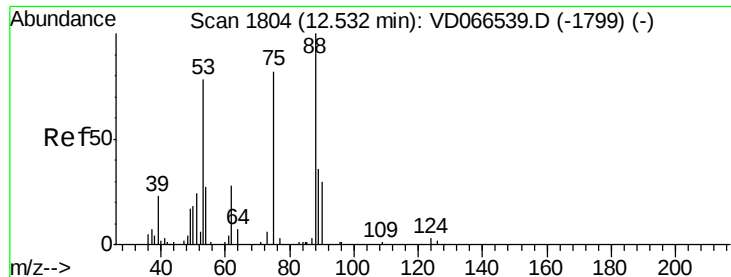
105 100

120 48.7 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VD066630.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.037 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

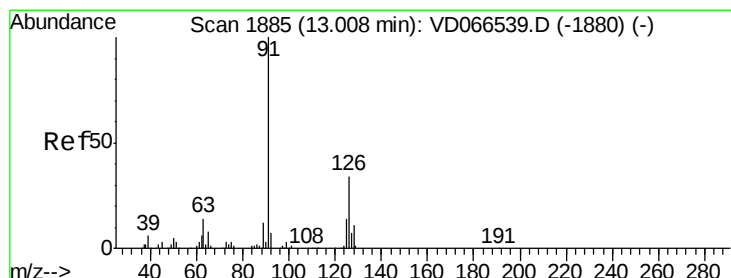
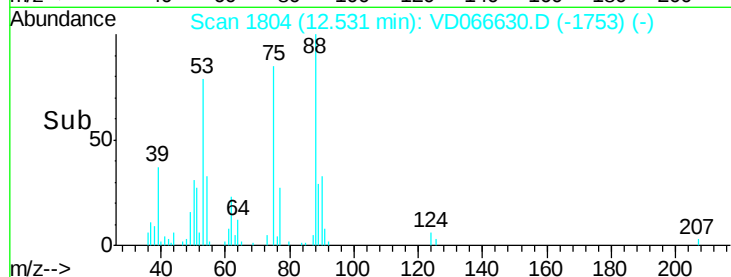
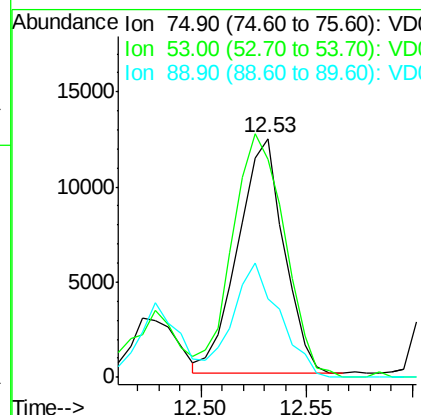
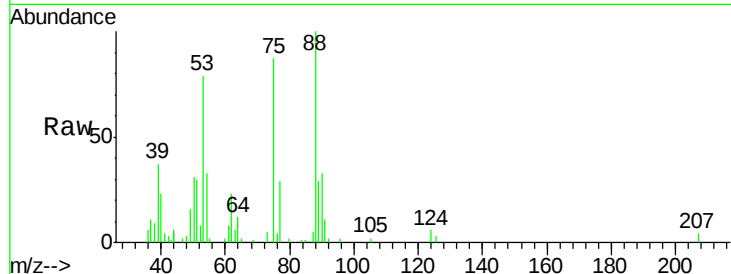
ClientSampleId :

VD0910SBS02

Tot Ion:	75	Resp:	18792
Ion	Ratio	Lower	Upper
75	100		
53	117.6	87.0	130.4
89	48.5	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.410 ug/l

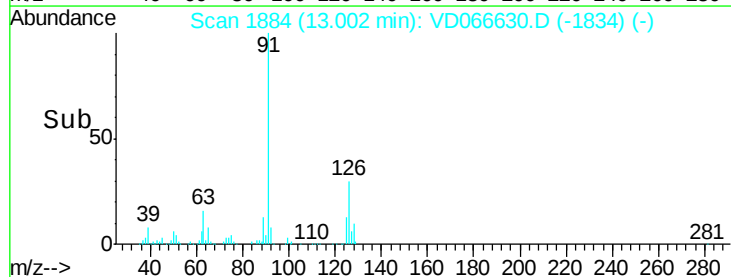
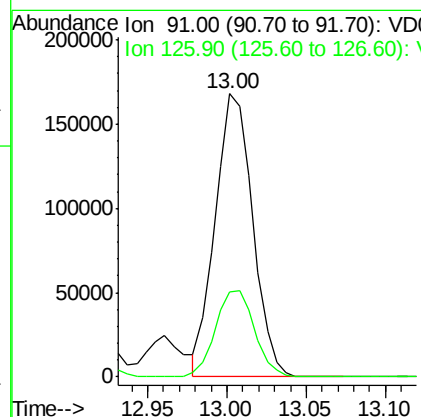
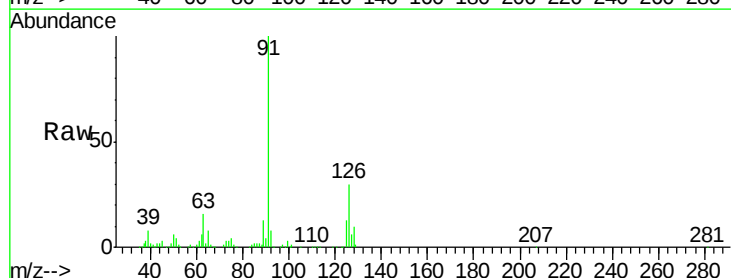
RT: 13.00 min Scan# 1884

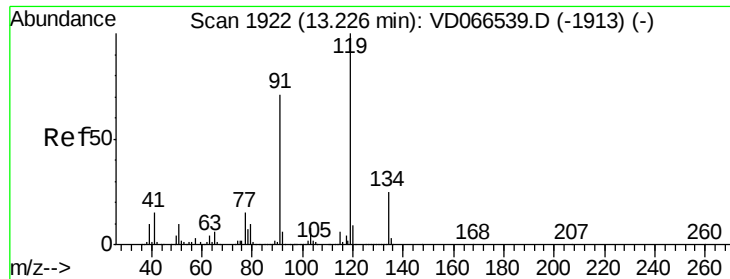
Delta R.T. -0.01 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Tgt Ion:	91	Resp:	276241
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.1





#83

tert-Butylbenzene

Concen: 20.776 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

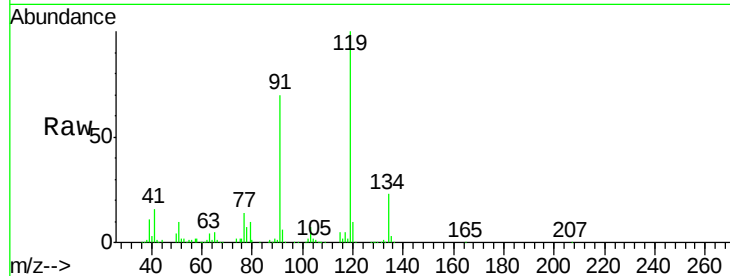
ClientSampleId :

VD0910SBS02

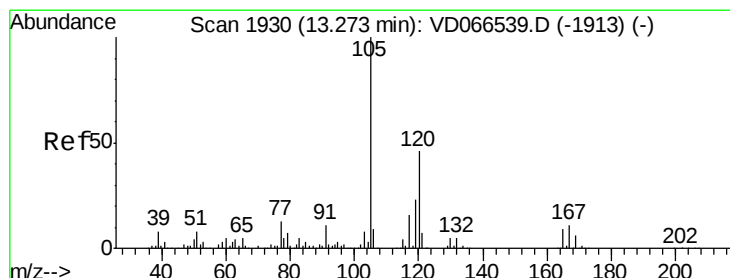
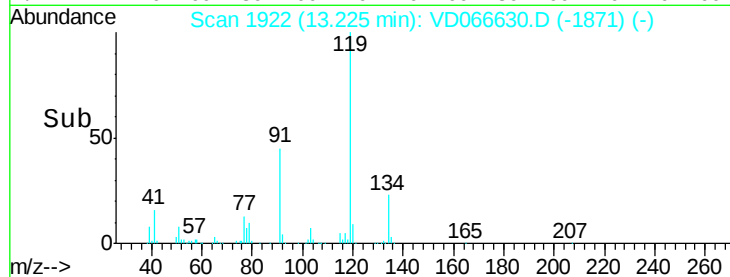
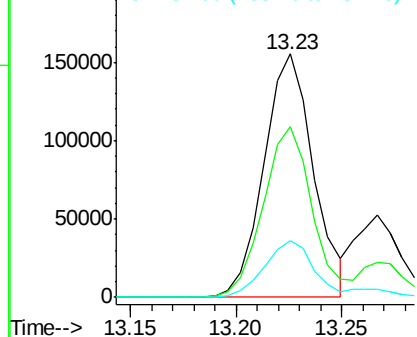
Tot Ion:	119	Resp:	253346
Ion Ratio	Lower	Upper	
119	100		
91	69.9	35.2	105.6
134	23.6	13.5	40.5

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.689 ug/l

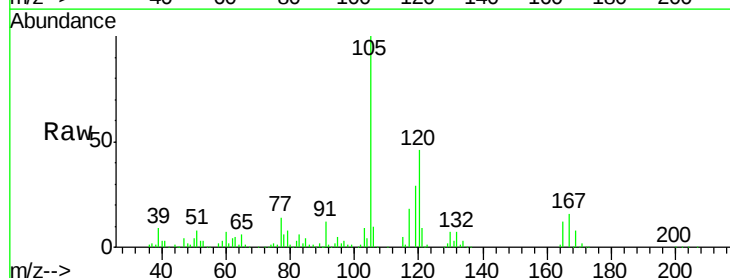
RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

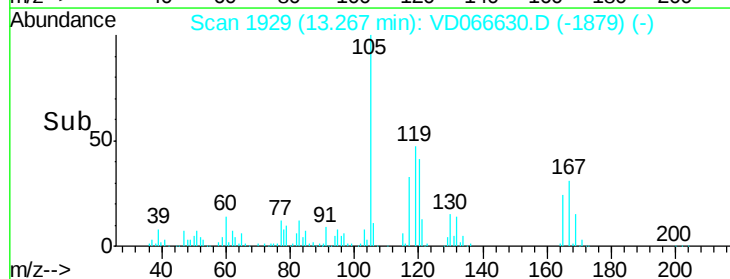
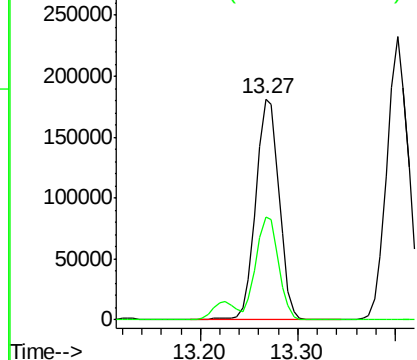
Lab File: VD066630.D

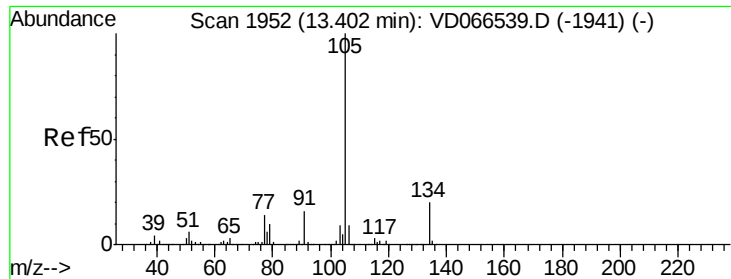
Acq: 10 Sep 2020 23:55

Tgt Ion:	105	Resp:	307583
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.6	67.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





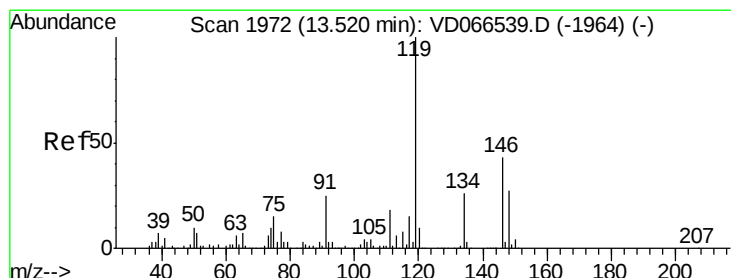
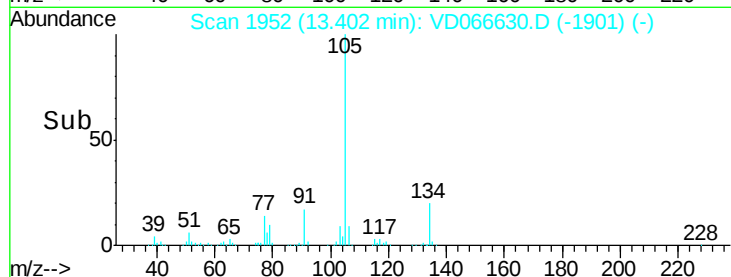
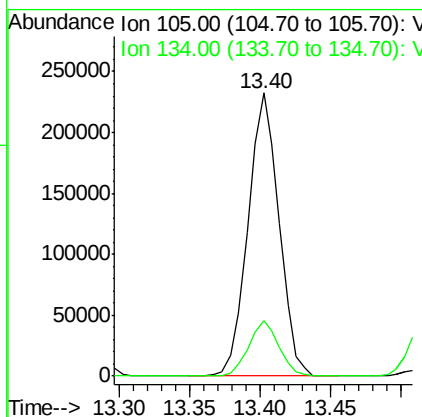
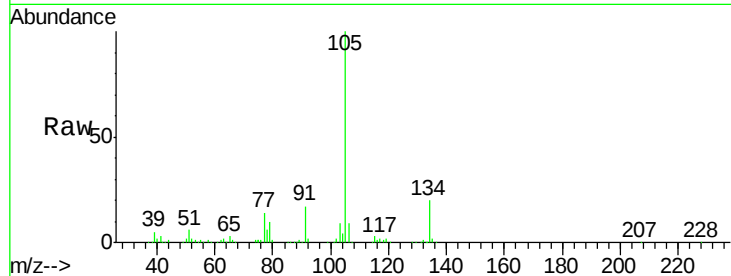
#85
 sec-Butylbenzene
 Concen: 20.362 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	357730		
134	19.1	9.8	29.5	

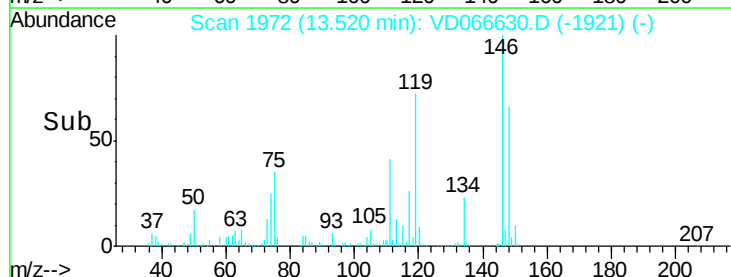
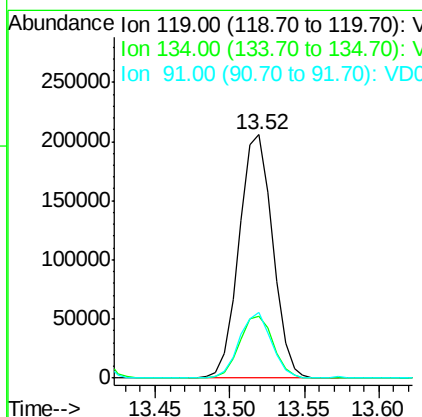
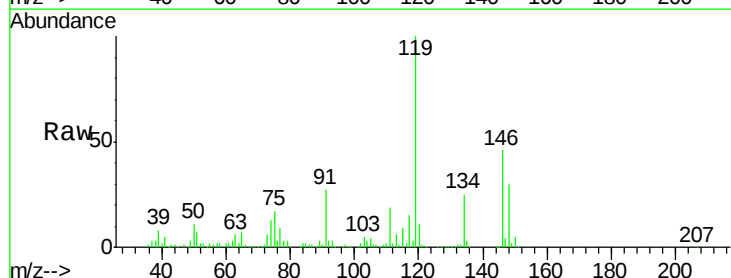
Manual Integrations
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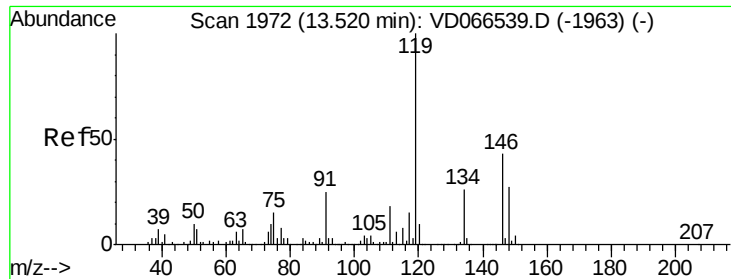
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.232 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	319922		
134	25.7	12.7	38.0	
91	26.1	12.5	37.5	





#87

1,3-Dichlorobenzene

Concen: 20.571 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Instrument :

MSVOA_D

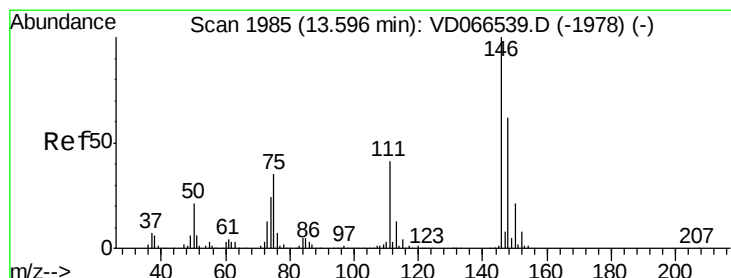
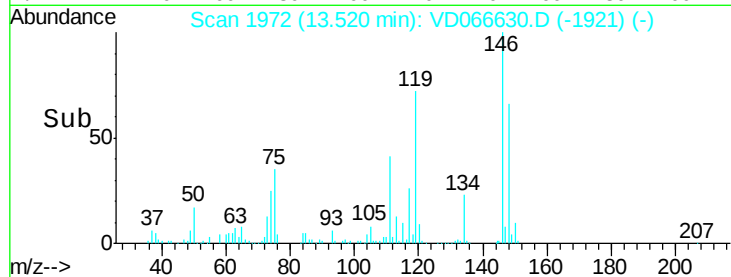
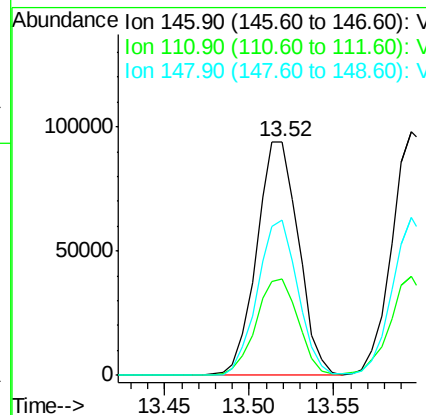
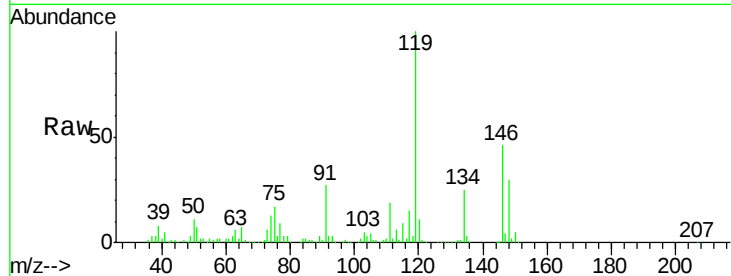
ClientSampleId :

VD0910SBS02

Tot Ion:	146	Resp:	161535
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.6	61.9
148	64.6	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.837 ug/l

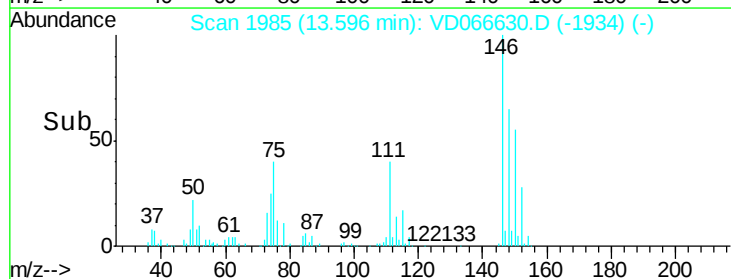
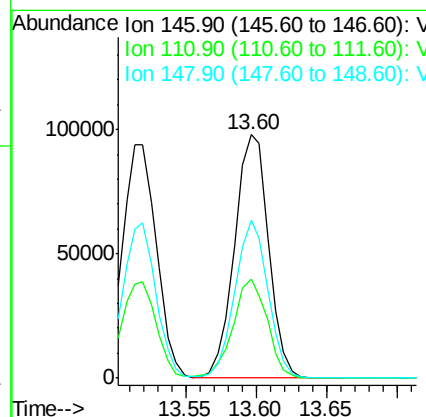
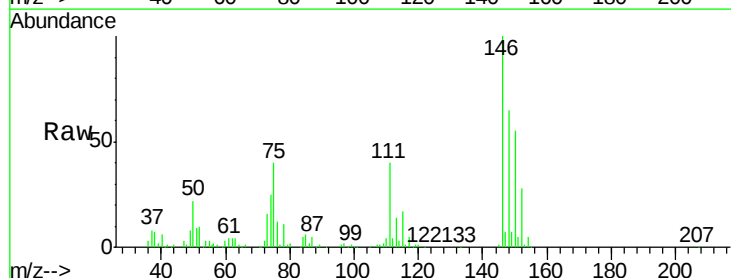
RT: 13.60 min Scan# 1985

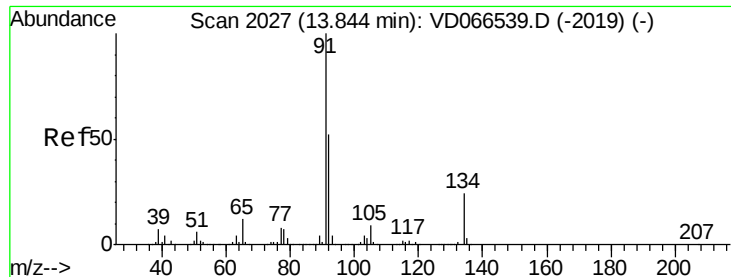
Delta R.T. -0.00 min

Lab File: VD066630.D

Acq: 10 Sep 2020 23:55

Tgt Ion:	146	Resp:	164229
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.1	60.2
148	62.6	31.6	94.8





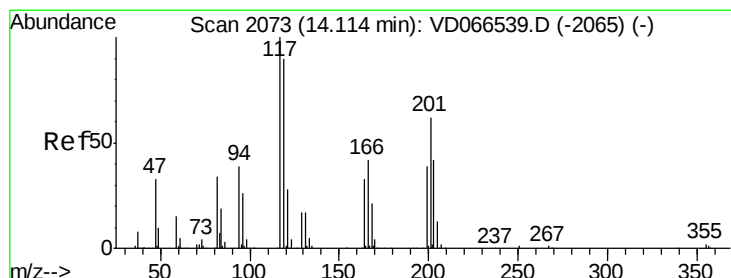
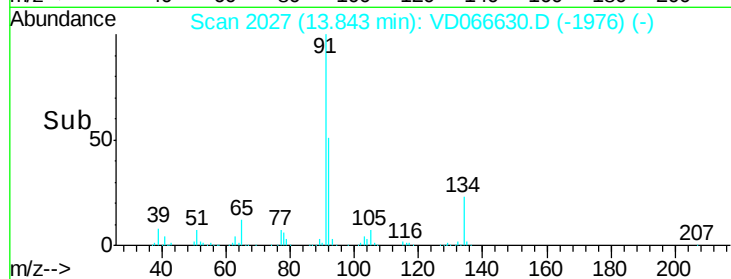
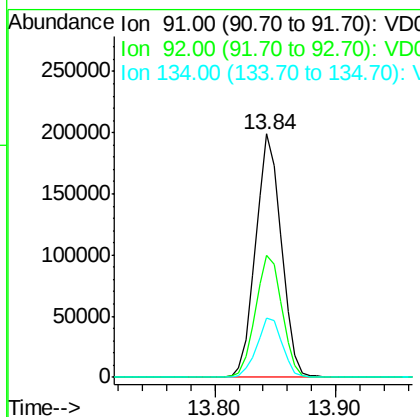
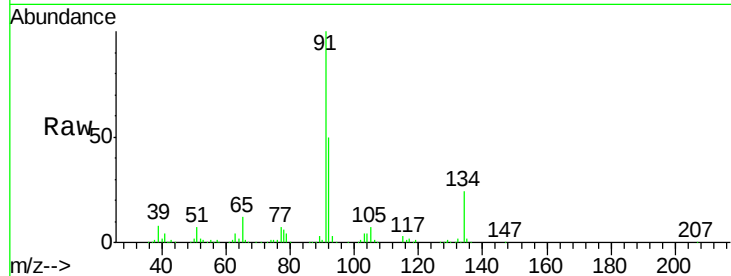
#89
n-Butylbenzene
Concen: 19.248 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	296588		
92	51.7	26.5	79.5	
134	24.3	12.1	36.3	

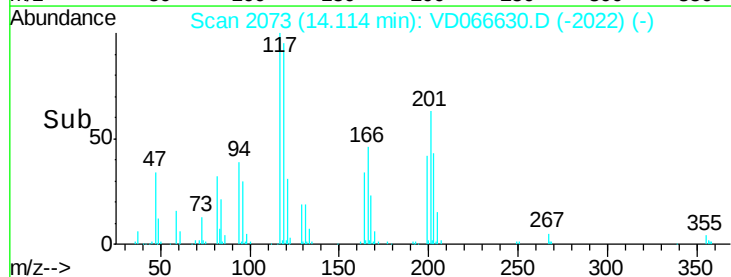
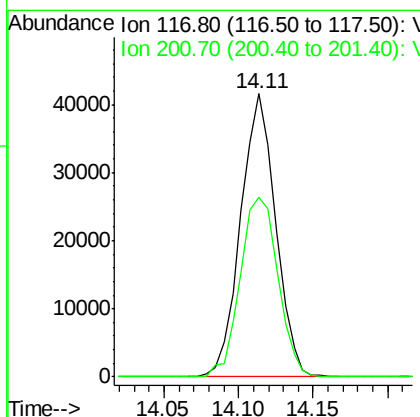
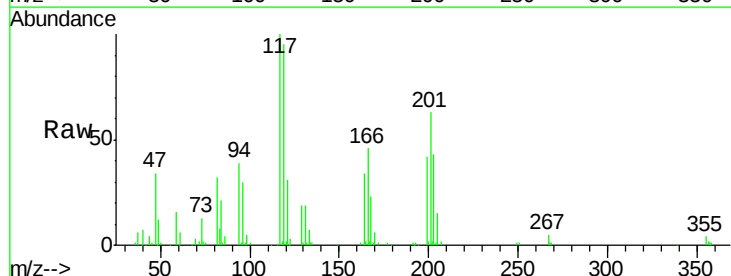
Manual Integrations
APPROVED

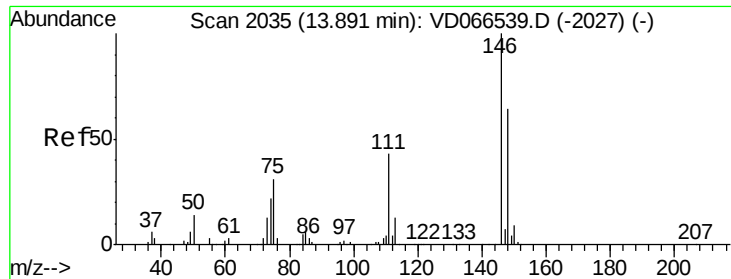
MMDadoda
9/11/2020 10:18:02 AM



#90
Hexachloroethane
Concen: 19.811 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	67499		
201	68.4	31.9	95.5	





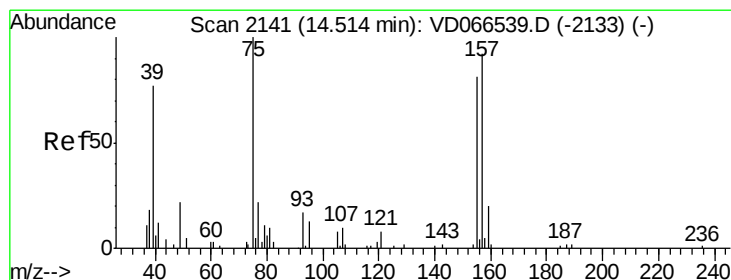
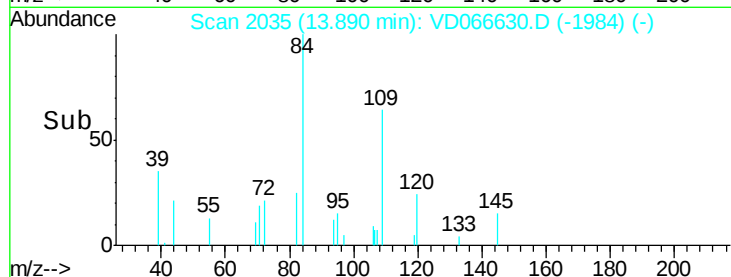
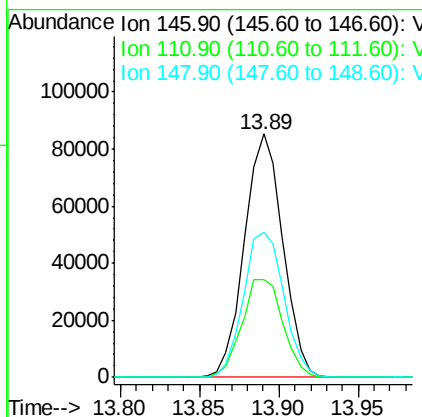
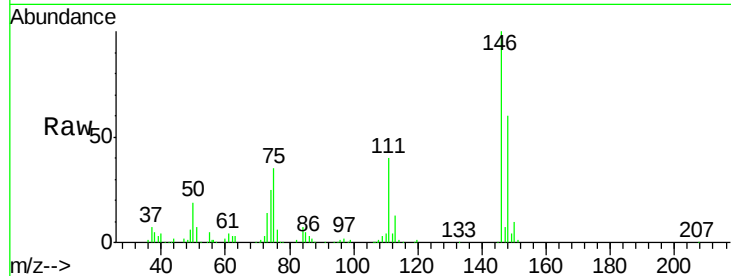
#91
 1,2-Dichlorobenzene
 Concen: 20.961 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.4
148	63.1	31.8	95.3

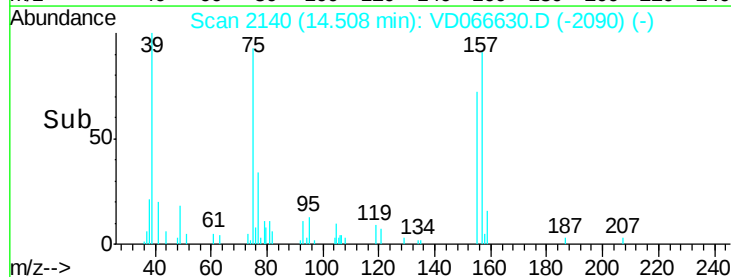
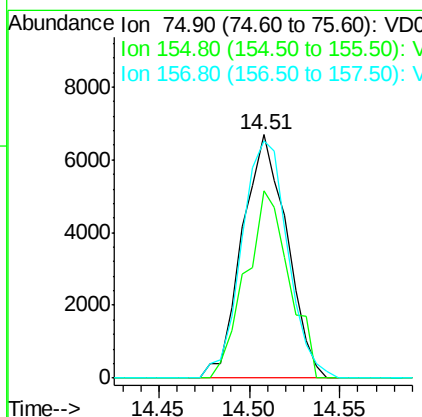
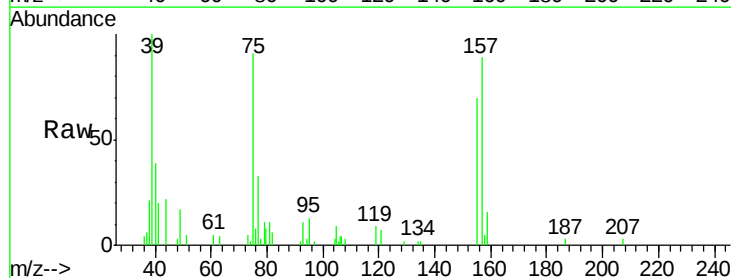
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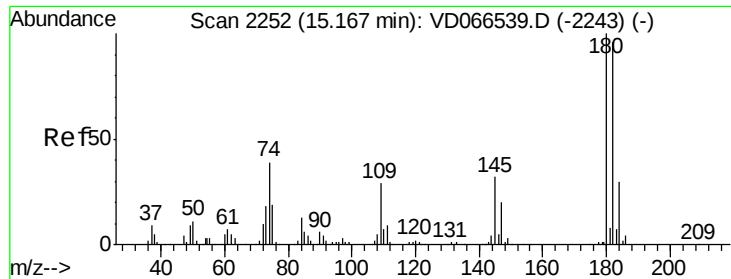
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 9/11/2020 10:18:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.580 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	39.3	117.8
157	100.5	46.0	137.8





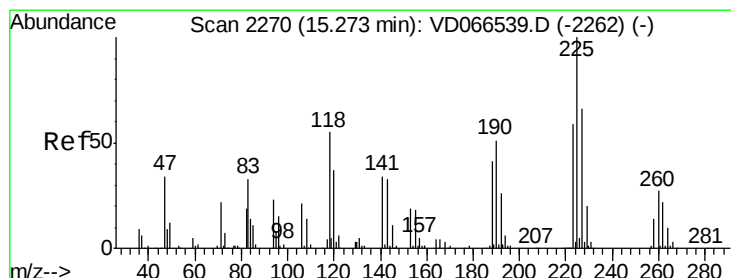
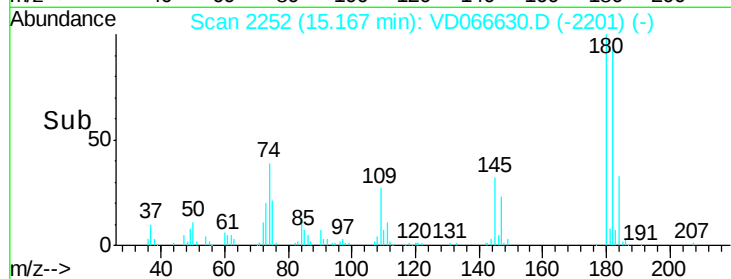
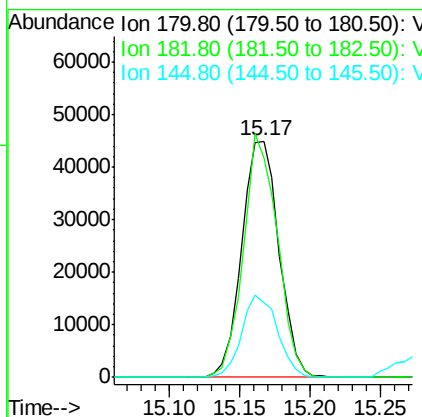
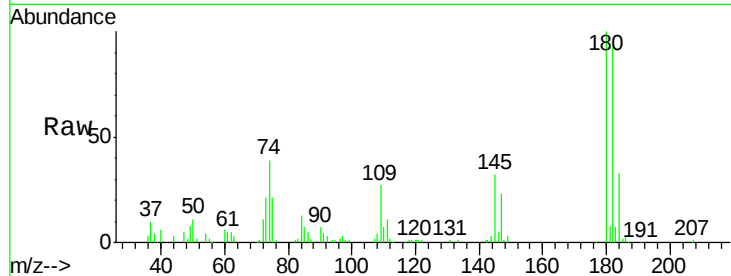
#93
 1,2,4-Trichlorobenzene
 Concen: 20.171 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	83086		
182	94.0		48.4	145.0
145	33.6		16.7	50.0

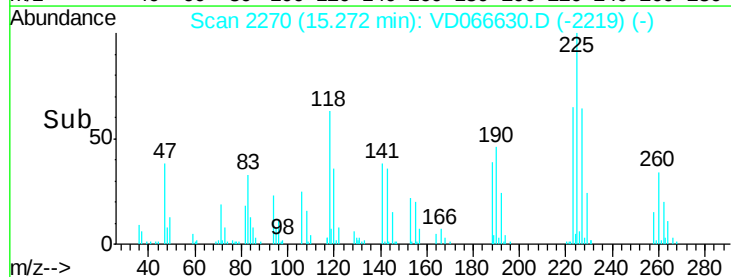
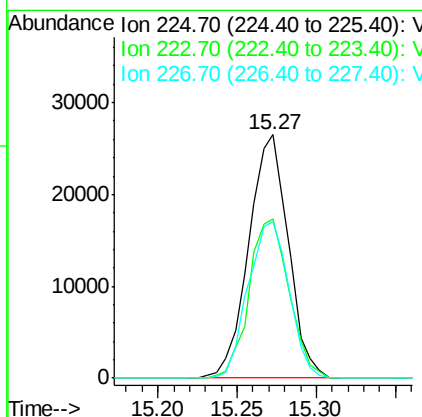
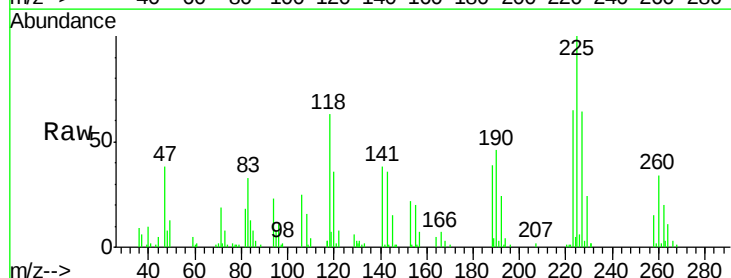
Manual Integrations
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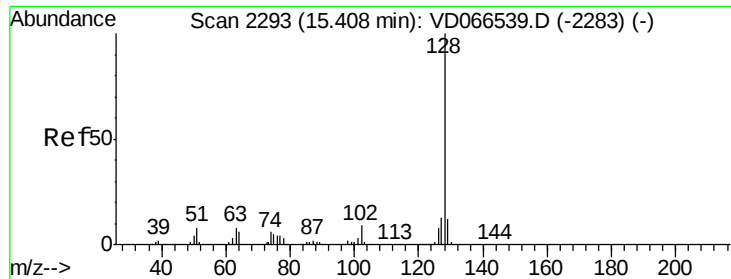
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 9/11/2020 10:18:02 AM



#94
 Hexachlorobutadiene
 Concen: 18.631 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066630.D
 Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46105		
223	65.9		30.5	91.5
227	66.1		32.4	97.2





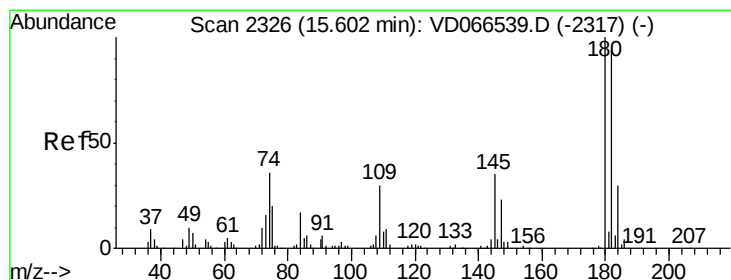
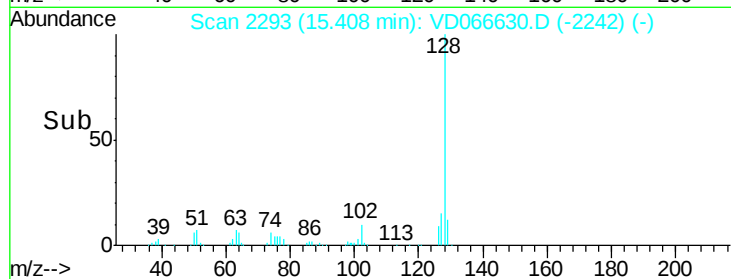
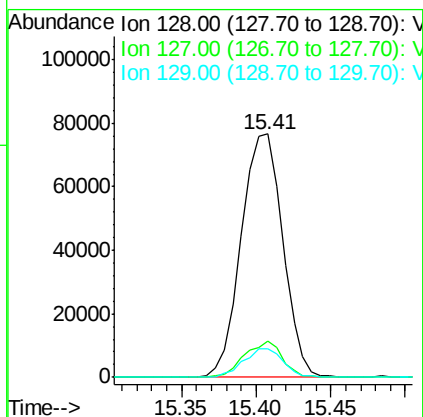
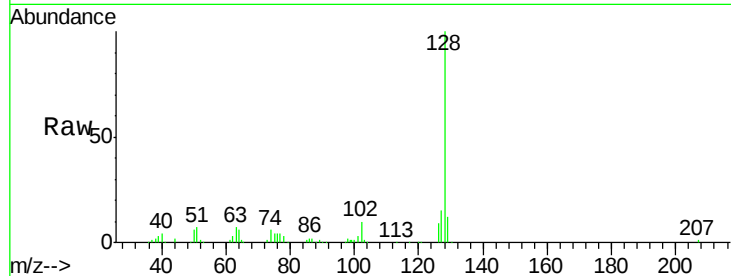
#95
Naphthalene
Concen: 20.572 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.2	9.1	13.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.409 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066630.D
Acq: 10 Sep 2020 23:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.9	143.6
145	32.9	17.3	51.7

