

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066985.D
 Acq On : 01 Oct 2020 11:00
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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 10/2/2020 3:13:14 PM

Quant Time: Oct 01 15:17:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:02:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	447100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	718942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	641735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	22732	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
35) Dibromofluoromethane	7.91	113	22593	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
50) Toluene-d8	10.34	98	82580	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
62) 4-Bromofluorobenzene	12.63	95	29392	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	22067	5.436	ug/l	83
3) Chloromethane	2.20	50	19555	5.492	ug/l	99
4) Vinyl Chloride	2.35	62	19394	5.432	ug/l	97
5) Bromomethane	2.77	94	15557	5.978	ug/l	91
6) Chloroethane	2.92	64	12612	5.801	ug/l #	87
7) Trichlorofluoromethane	3.27	101	47508	5.989	ug/l	96
8) Diethyl Ether	3.71	74	10112	5.141	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	25196	5.620	ug/l	95
10) Methyl Iodide	4.30	142	20118	4.618	ug/l #	96
11) Tert butyl alcohol	5.20	59	17420	47.519	ug/l #	79
12) 1,1-Dichloroethene	4.06	96	23319	5.533	ug/l	96
13) Acrolein	3.93	56	8470	29.373	ug/l	97
14) Allyl chloride	4.71	41	26211	4.787	ug/l	94
15) Acrylonitrile	5.43	53	18895	26.100	ug/l #	82
16) Acetone	4.16	43	19584	29.791	ug/l	96
17) Carbon Disulfide	4.41	76	68729	5.314	ug/l	100
18) Methyl Acetate	4.73	43	8972	5.430	ug/l #	82
19) Methyl tert-butyl Ether	5.48	73	37575	4.884	ug/l	96
20) Methylene Chloride	4.97	84	46811	7.812	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	26889	5.606	ug/l	92
22) Diisopropyl ether	6.36	45	49485	4.951	ug/l	94
23) Vinyl Acetate	6.30	43	128308	22.652	ug/l	97
24) 1,1-Dichloroethane	6.26	63	42065	5.453	ug/l #	97
25) 2-Butanone	7.22	43	27393	29.391	ug/l	91
26) 2,2-Dichloropropane	7.20	77	45412	6.135	ug/l	94
27) cis-1,2-Dichloroethene	7.21	96	26726	5.217	ug/l	90
28) Bromochloromethane	7.55	49	15735	5.282	ug/l	98
29) Tetrahydrofuran	7.56	42	13570	25.322	ug/l	93
30) Chloroform	7.71	83	46656	5.575	ug/l	99
31) Cyclohexane	7.97	56	39350	6.084	ug/l #	65
32) 1,1,1-Trichloroethane	7.90	97	42905	5.532	ug/l	97
36) 1,1-Dichloropropene	8.11	75	37269	5.561	ug/l	98
37) Ethyl Acetate	7.29	43	12985	5.593	ug/l #	92
38) Carbon Tetrachloride	8.10	117	38065	5.250	ug/l	96

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 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:02:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	36837	5.199	ug/l	91
40) Benzene	8.35	78	98321	5.282	ug/l	99
41) Methacrylonitrile	7.53	41	6670m	5.318	ug/l	
42) 1,2-Dichloroethane	8.43	62	28025	5.388	ug/l	97
43) Isopropyl Acetate	8.44	43	21676	5.068	ug/l	96
44) Trichloroethene	9.11	130	30483	5.484	ug/l	89
45) 1,2-Dichloropropane	9.38	63	22244	5.086	ug/l #	88
46) Dibromomethane	9.47	93	13572	5.399	ug/l	93
47) Bromodichloromethane	9.66	83	33549	5.134	ug/l	97
48) Methyl methacrylate	9.46	41	10957	5.001	ug/l	96
49) 1,4-Dioxane	9.46	88	3031	115.536	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	52933	24.848	ug/l	95
52) Toluene	10.40	92	60566	5.051	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	29434	5.040	ug/l	92
54) cis-1,3-Dichloropropene	10.08	75	35871	5.030	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	18865	5.398	ug/l	97
56) Ethyl methacrylate	10.66	69	14893	4.128	ug/l #	86
57) 1,3-Dichloropropane	10.94	76	29055	5.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	44023	21.922	ug/l	98
59) 2-Hexanone	10.98	43	33461	23.534	ug/l	100
60) Dibromochloromethane	11.14	129	24014	5.156	ug/l	97
61) 1,2-Dibromoethane	11.25	107	16776	4.997	ug/l	93
64) Tetrachloroethene	10.87	164	26170	5.609	ug/l	98
65) Chlorobenzene	11.67	112	68977	5.404	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	26220	5.401	ug/l	97
67) Ethyl Benzene	11.74	91	111522	5.100	ug/l	99
68) m/p-Xylenes	11.86	106	83390	9.785	ug/l	99
69) o-Xylene	12.18	106	35487	4.656	ug/l	95
70) Styrene	12.19	104	60761	4.643	ug/l	98
71) Bromoform	12.36	173	13900	5.516	ug/l #	100
73) Isopropylbenzene	12.48	105	99168	4.723	ug/l	97
74) N-amyl acetate	12.28	43	18670	4.946	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	18752	5.300	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	13409m	5.087	ug/l	
77) Bromobenzene	12.76	156	26600	5.246	ug/l	95
78) n-propylbenzene	12.82	91	119287	4.807	ug/l	99
79) 2-Chlorotoluene	12.91	91	69932	4.925	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	80946	4.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	5524	5.113	ug/l	98
82) 4-Chlorotoluene	13.01	91	75893	5.024	ug/l	98
83) tert-Butylbenzene	13.23	119	72805	4.873	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	82598	4.665	ug/l	98
85) sec-Butylbenzene	13.40	105	102733	4.883	ug/l	97
86) p-Isopropyltoluene	13.52	119	91948	4.714	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	51857	5.251	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	54174	5.486	ug/l	93
89) n-Butylbenzene	13.85	91	85129	4.776	ug/l	99
90) Hexachloroethane	14.11	117	17821	5.216	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	46861	5.433	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3198	5.608	ug/l	88

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

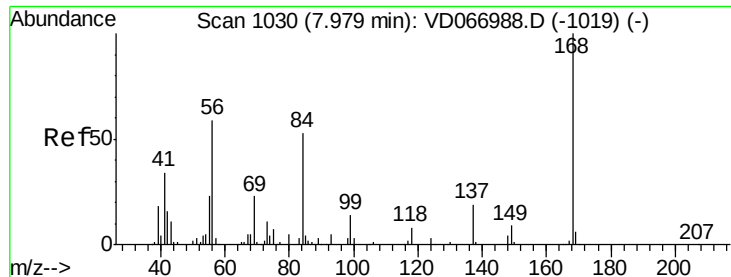
Manual Integrations
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Quant Time: Oct 01 15:17:33 2020
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:02:24 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	26557	4.760	ug/l	99
94) Hexachlorobutadiene	15.28	225	18217	5.317	ug/l	97
95) Naphthalene	15.41	128	40957	4.401	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	22791	4.706	ug/l	99

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



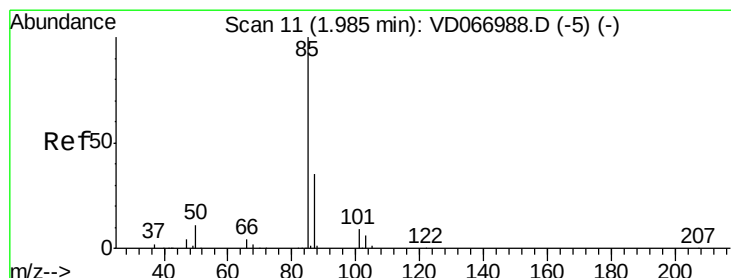
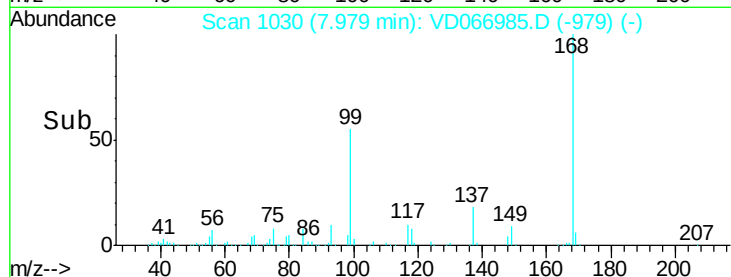
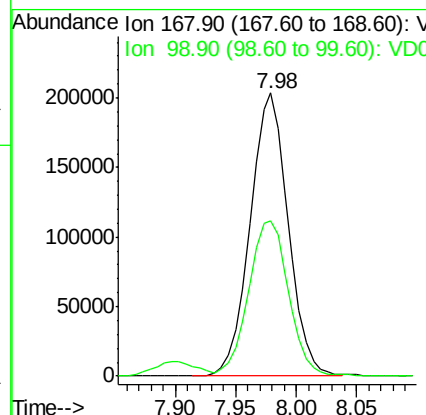
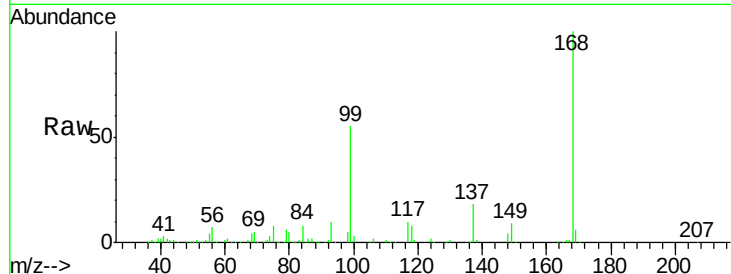
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.5	44.1	66.1

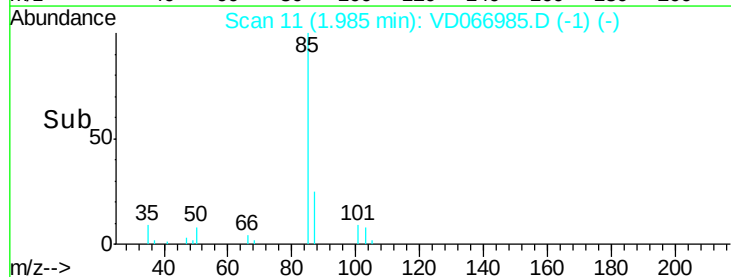
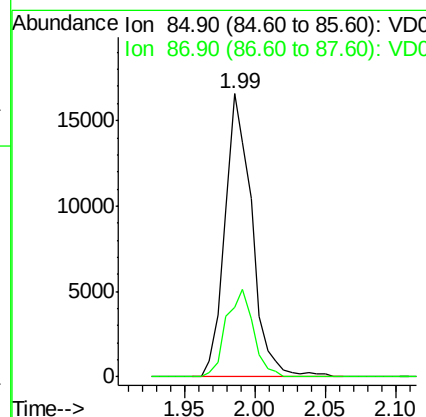
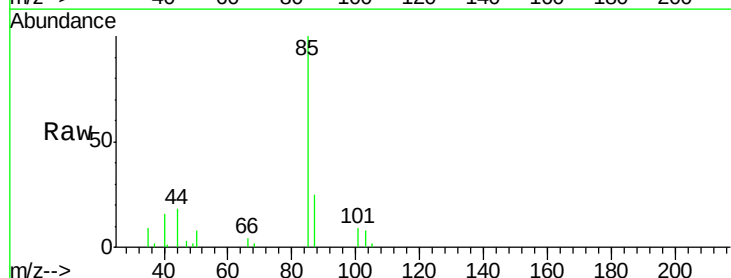
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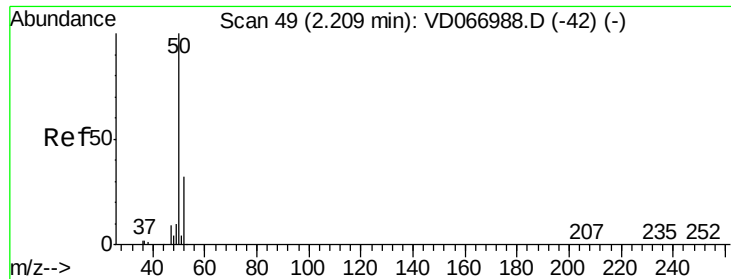
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#2
Dichlorodifluoromethane
Concen: 5.436 ug/l
RT: 1.99 min Scan# 11
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
85	100		
87	24.7	17.3	52.0





#3

Chloromethane

Concen: 5.492 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 19555

Ion Ratio Lower Upper

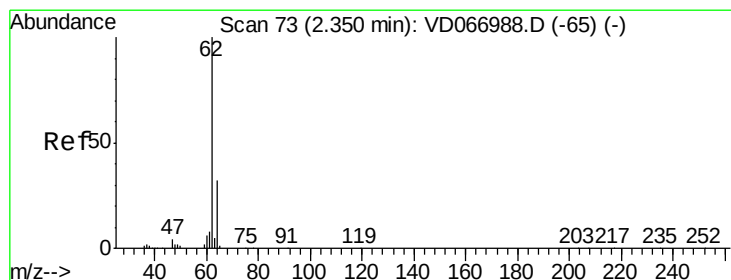
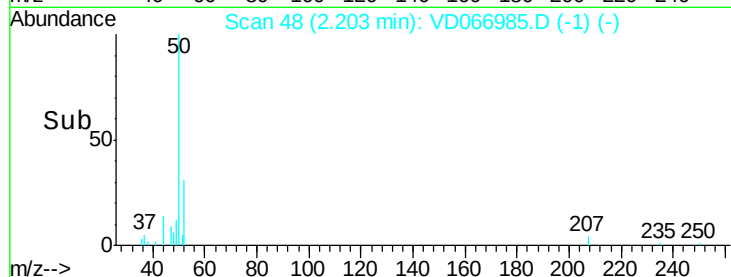
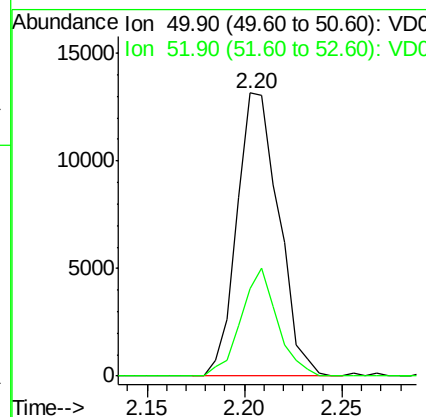
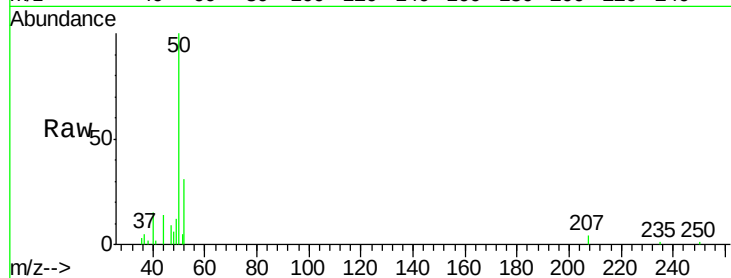
50 100

52 30.8 25.3 37.9

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#4

Vinyl Chloride

Concen: 5.432 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066985.D

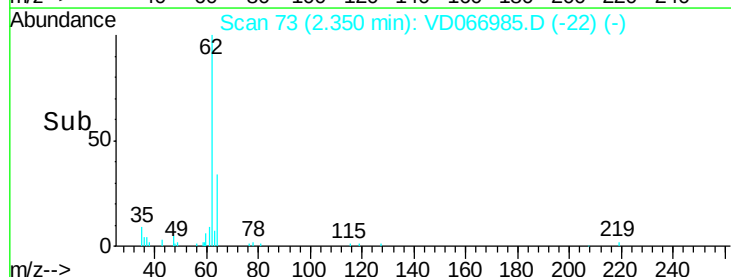
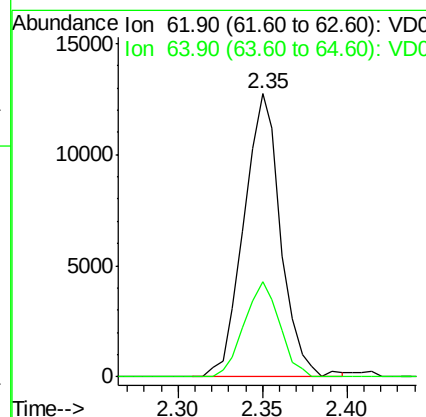
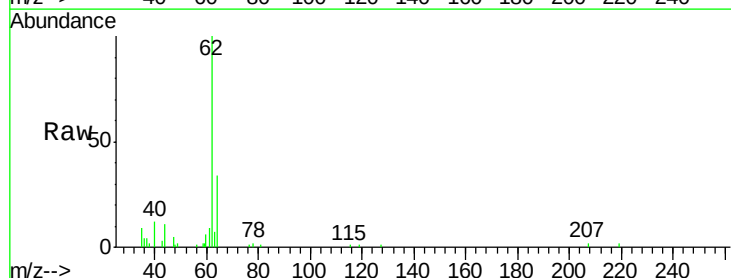
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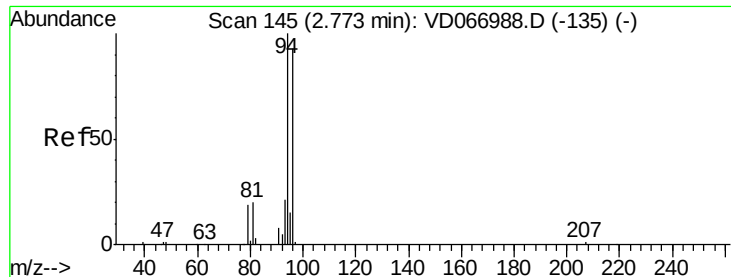
Tgt Ion: 62 Resp: 19394

Ion Ratio Lower Upper

62 100

64 33.8 25.8 38.8





#5

Bromomethane

Concen: 5.978 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 15557

Ion Ratio Lower Upper

94 100

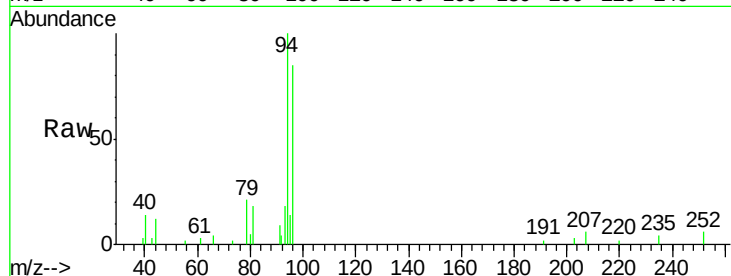
96 85.0 74.6 112.0

Manual Integrations

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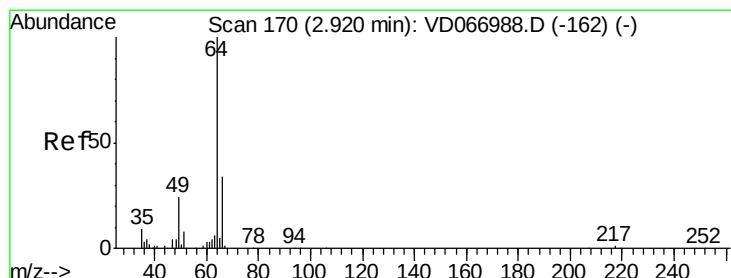
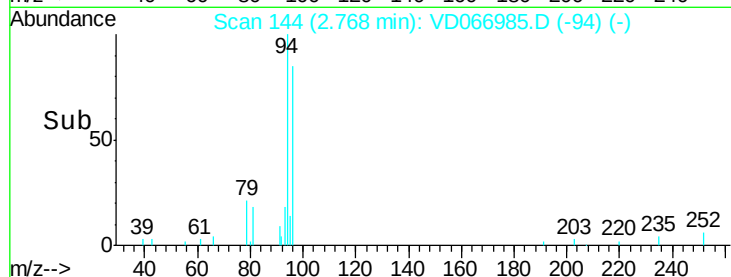
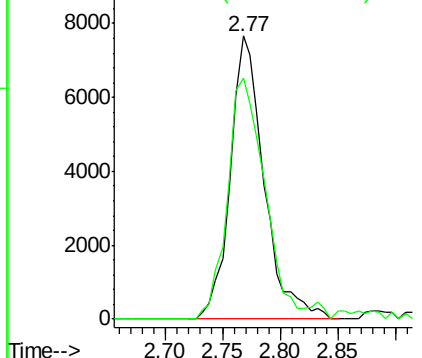
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.801 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066985.D

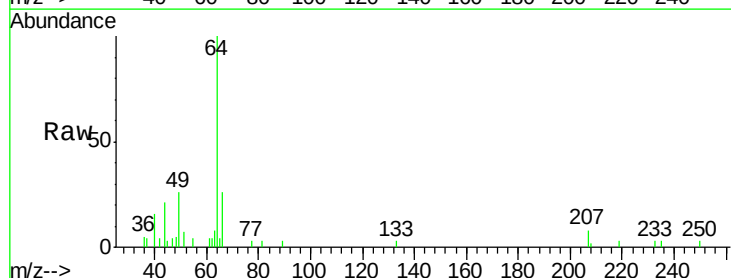
Acq: 01 Oct 2020 11:00

Tgt Ion: 64 Resp: 12612

Ion Ratio Lower Upper

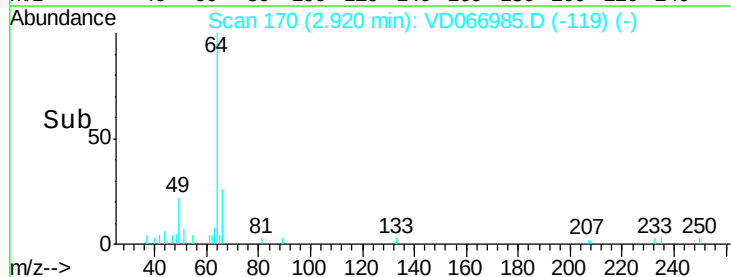
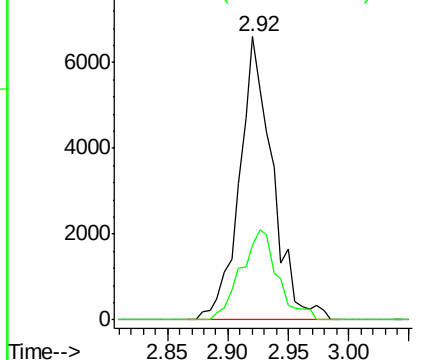
64 100

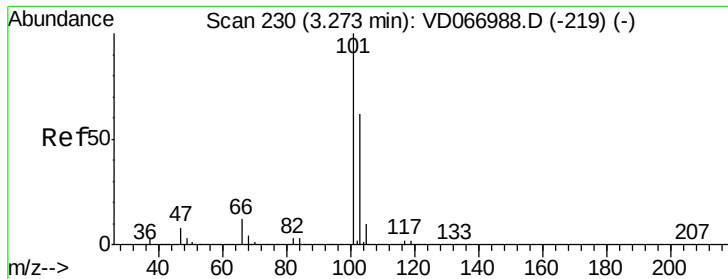
66 26.3 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

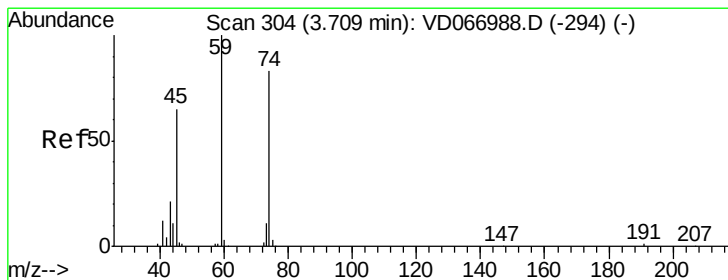
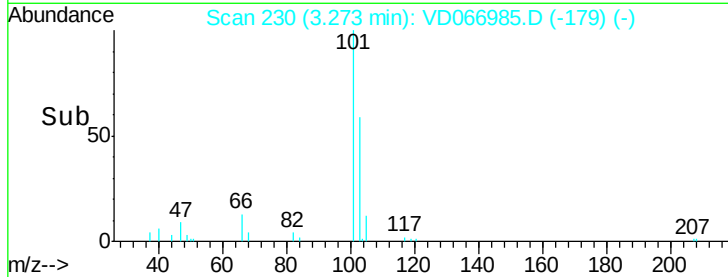
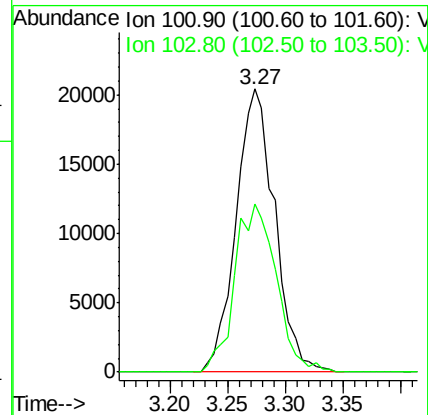
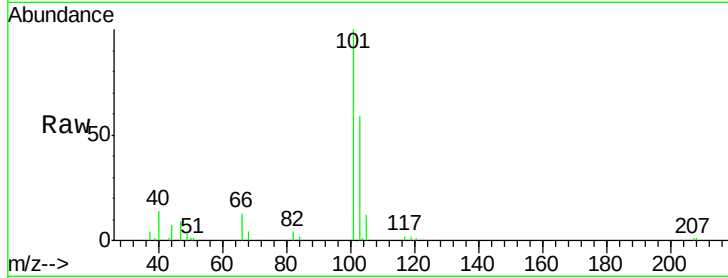
Trichlorofluoromethane
Concen: 5.989 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.3	49.8	74.8

Manual Integrations
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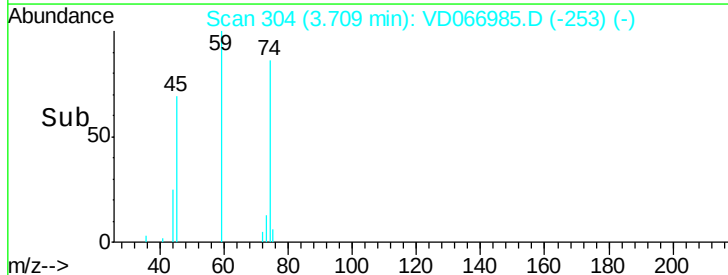
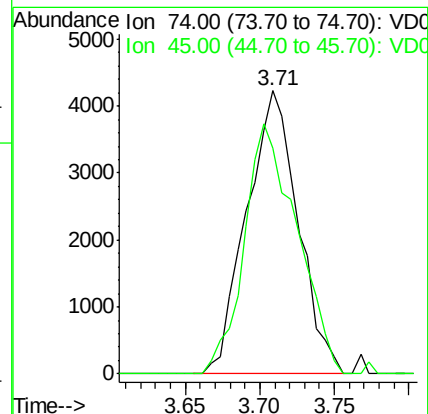
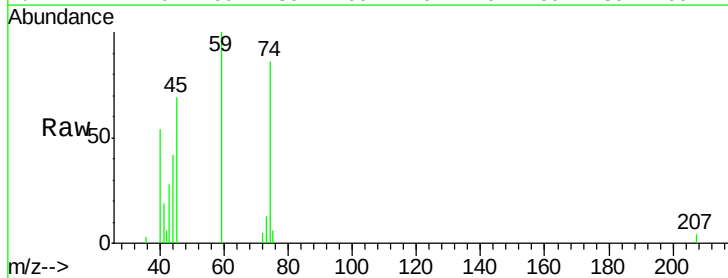
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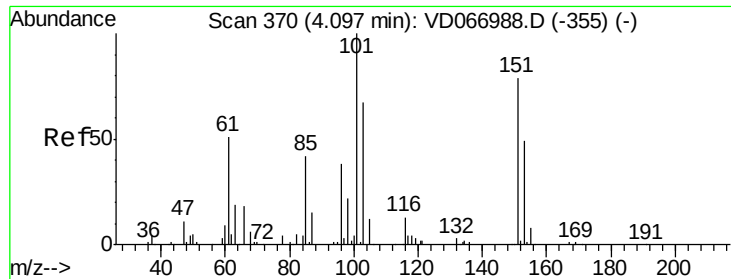


#8

Diethyl Ether
Concen: 5.141 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.6	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.620 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

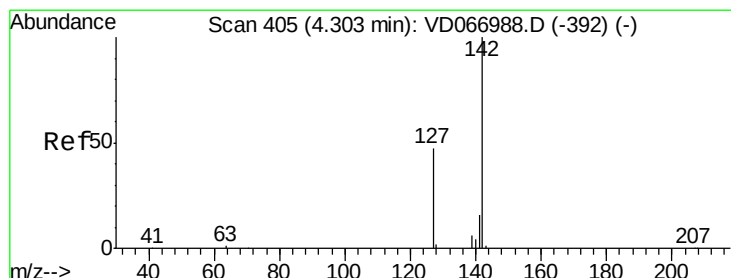
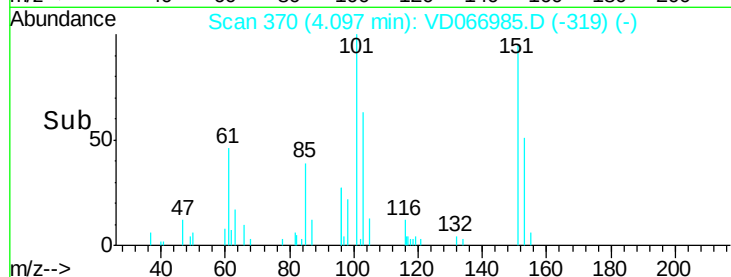
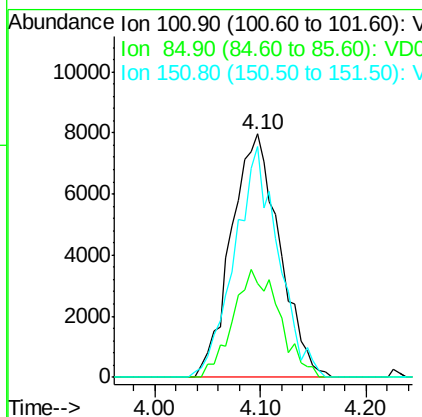
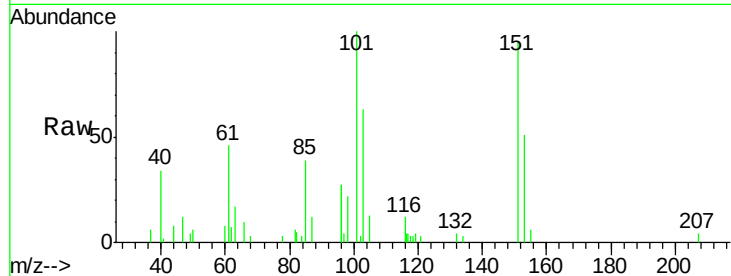
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	25196
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.8	50.8
151	86.3	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 4.618 ug/l

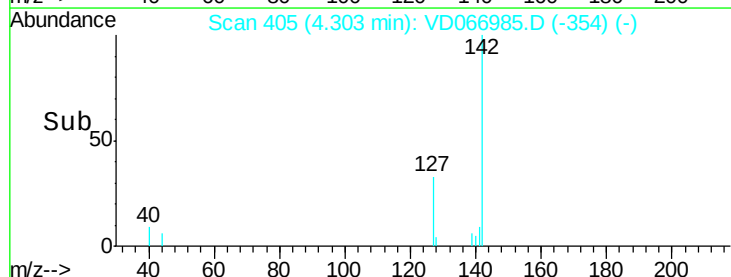
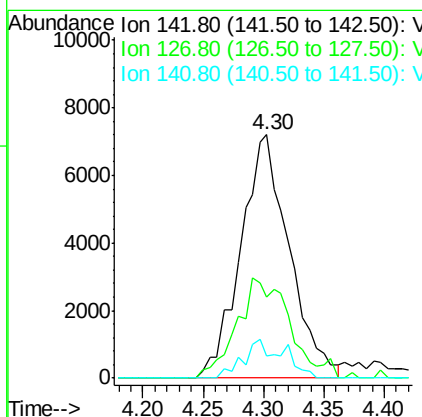
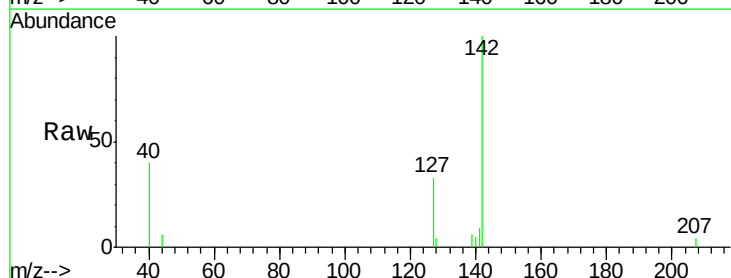
RT: 4.30 min Scan# 405

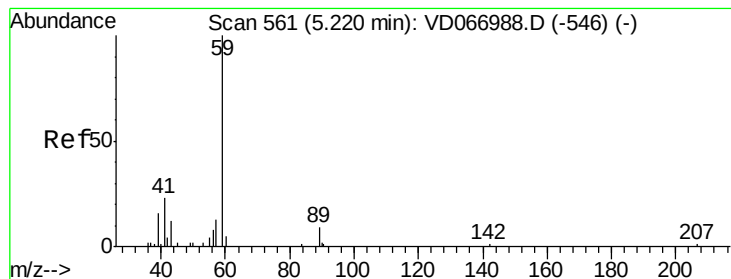
Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Tgt Ion:	142	Resp:	20118
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.3	54.5
141	9.9	12.0	18.0#





#11

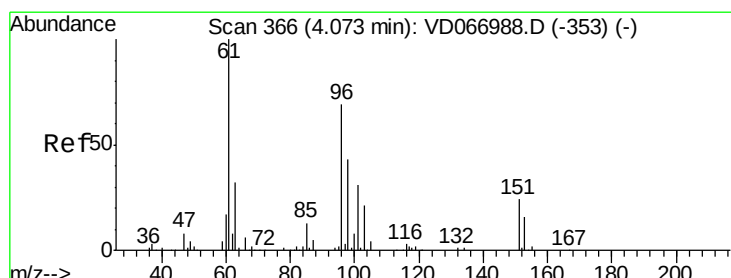
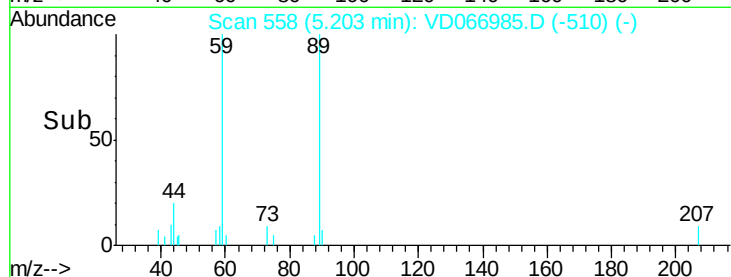
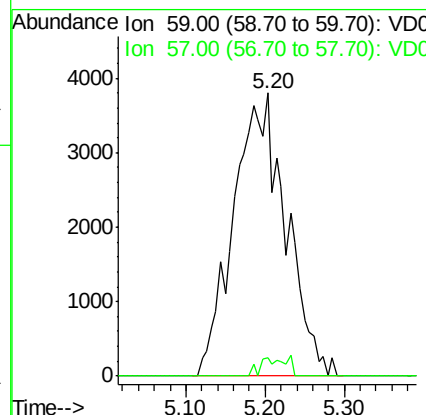
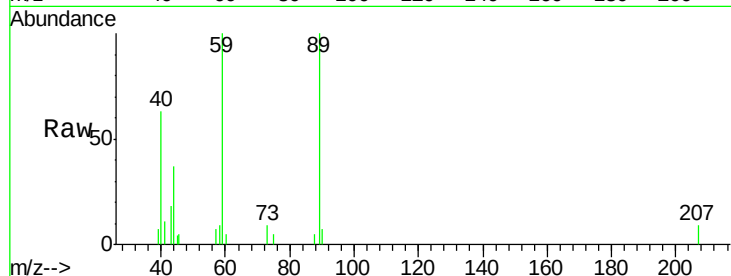
Tert butyl alcohol
 Concen: 47.519 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 17420
 Ion Ratio Lower Upper
 59 100
 57 2.5 8.2 12.4#

Manual Integrations
 APPROVED

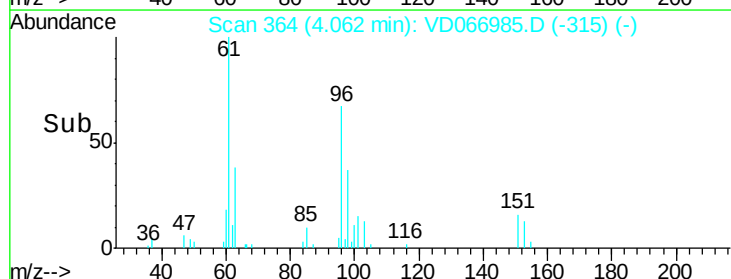
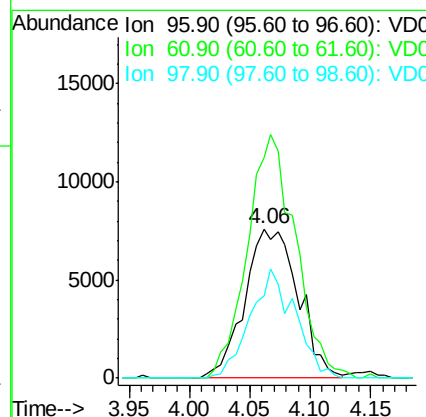
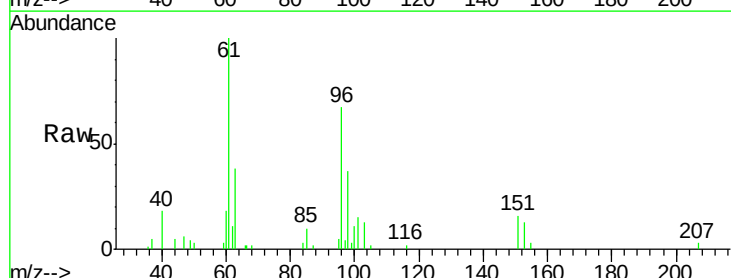
MMDadoda
 10/2/2020 3:13:14 PM

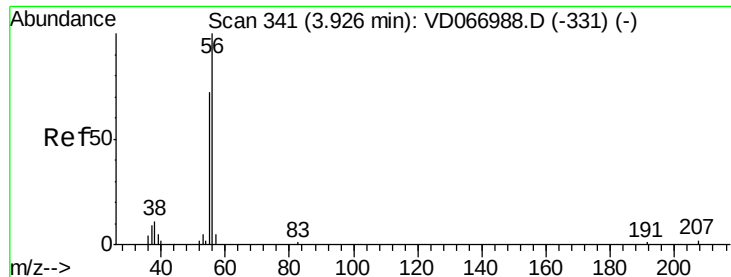


#12

1,1-Dichloroethene
 Concen: 5.533 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Tgt Ion: 96 Resp: 23319
 Ion Ratio Lower Upper
 96 100
 61 148.4 116.4 174.6
 98 55.1 49.9 74.9





#13

Acrolein

Concen: 29.373 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 8470

Ion Ratio Lower Upper

56 100

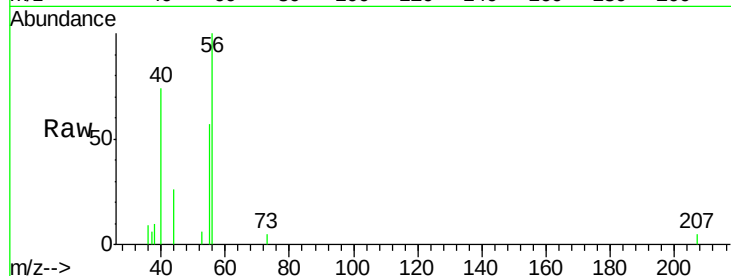
55 74.0 56.9 85.3

Manual Integrations

APPROVED

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10/2/2020 3:13:14 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

4000

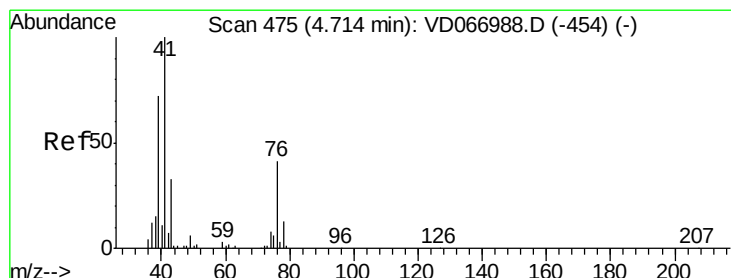
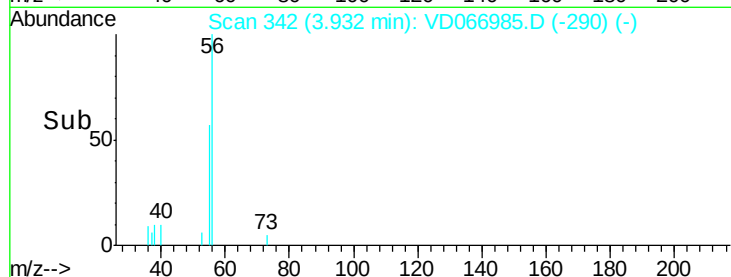
3000

2000

1000

0

Time--> 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 4.787 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

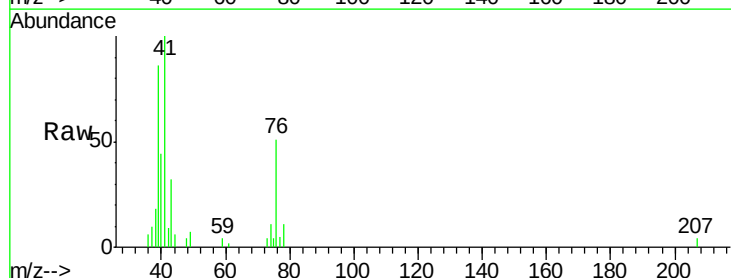
Tgt Ion: 41 Resp: 26211

Ion Ratio Lower Upper

41 100

39 76.0 56.2 84.2

76 44.9 34.2 51.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

10000

8000

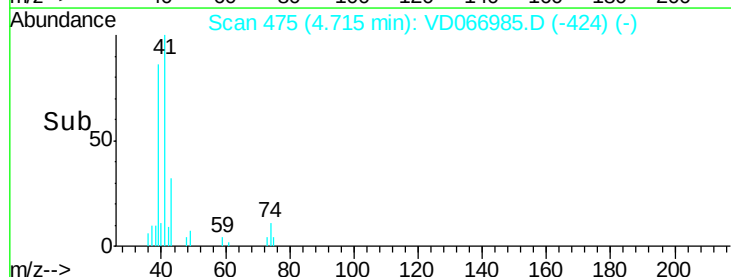
6000

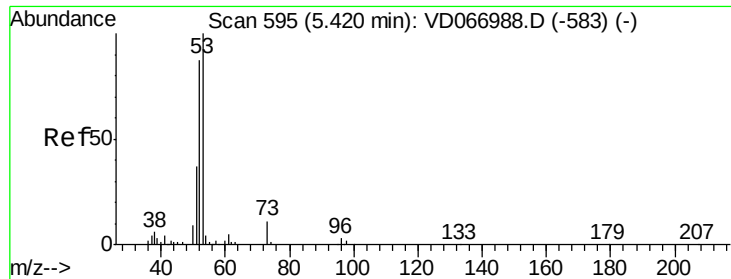
4000

2000

0

Time--> 4.60 4.70 4.80





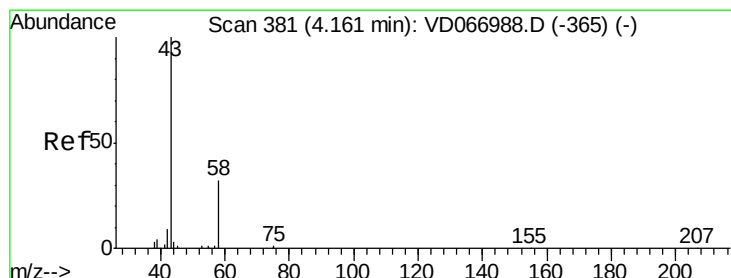
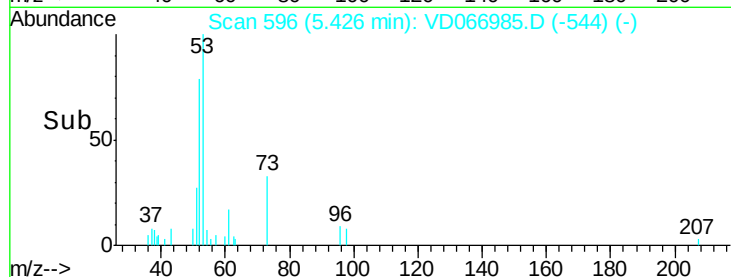
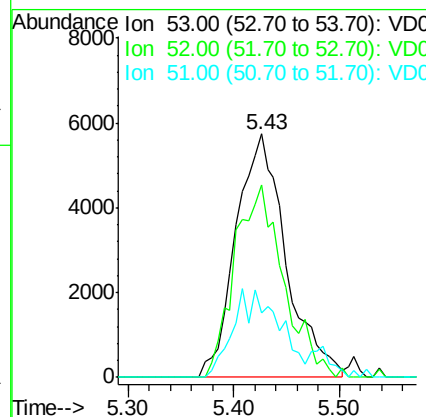
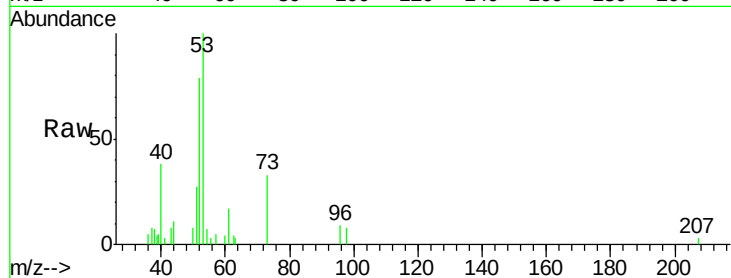
#15
 Acrylonitrile
 Concen: 26.100 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
53	100		
52	77.0	67.3	100.9
51	12.9	30.2	45.2#

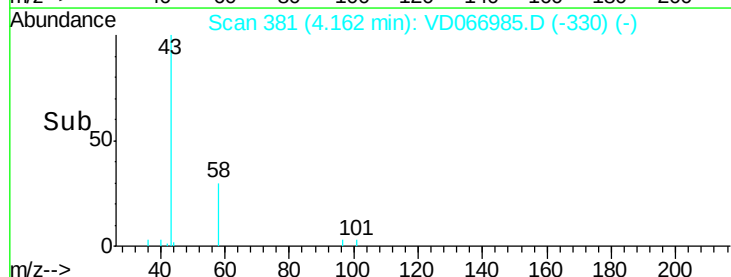
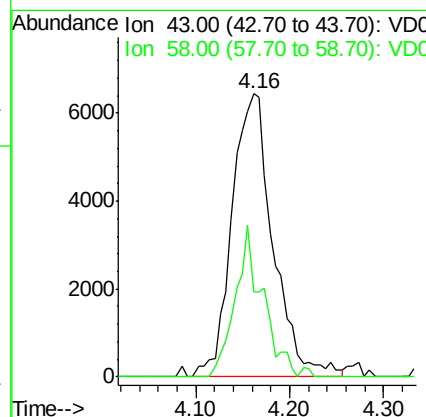
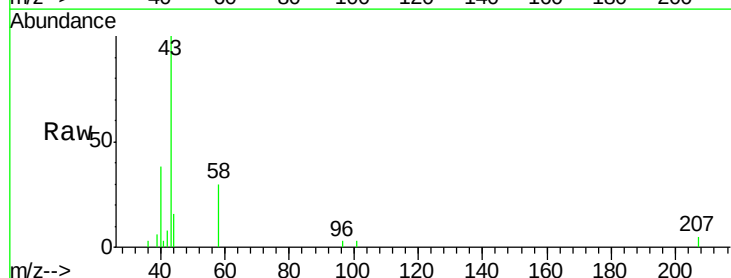
Manual Integrations
 APPROVED

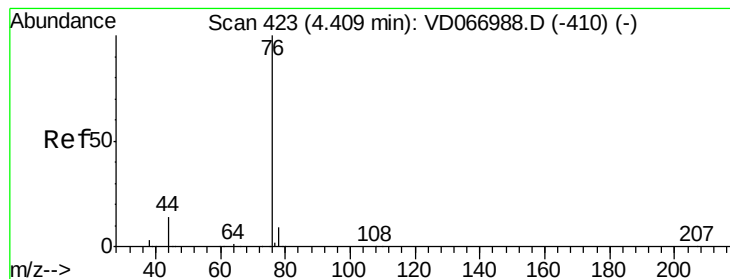
MMDadoda
 10/2/2020 3:13:14 PM



#16
 Acetone
 Concen: 29.791 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.0	25.9	38.9





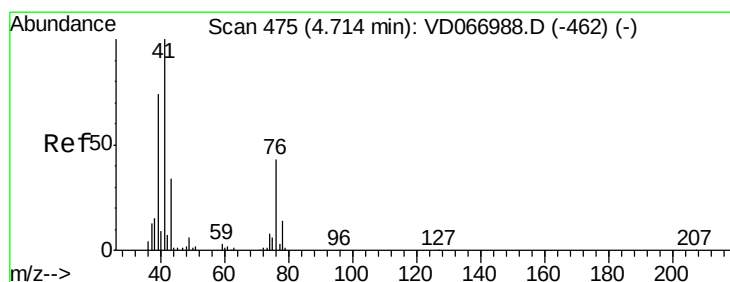
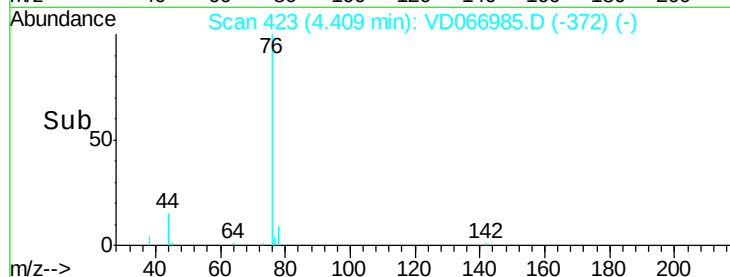
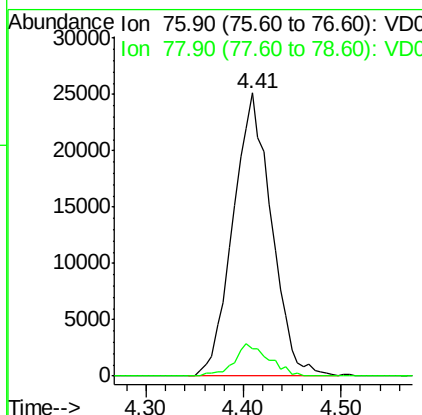
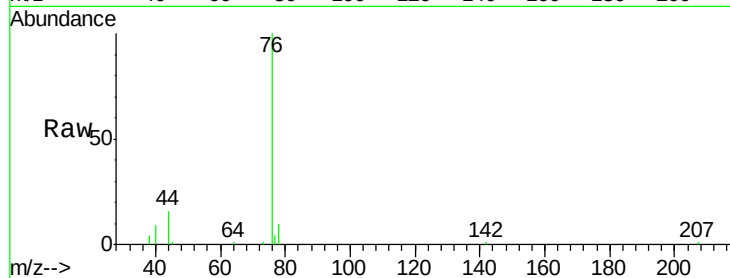
#17
Carbon Disulfide
Concen: 5.314 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 68729
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3

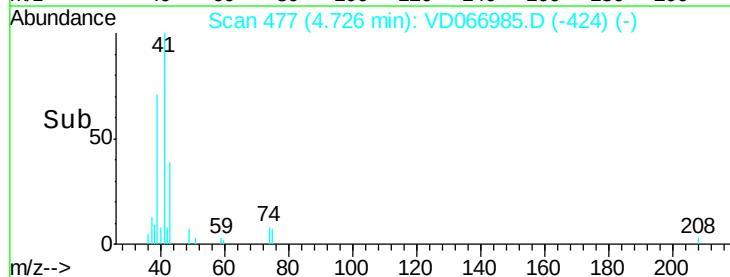
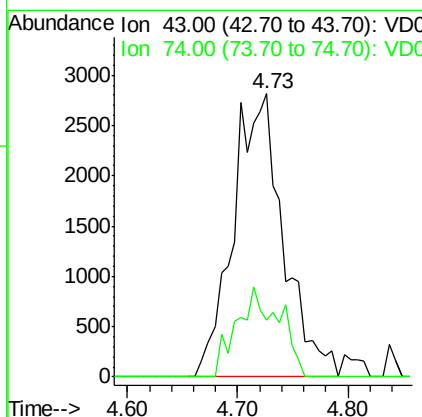
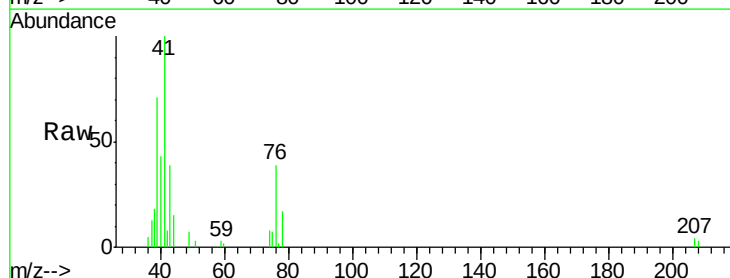
Manual Integrations
APPROVED

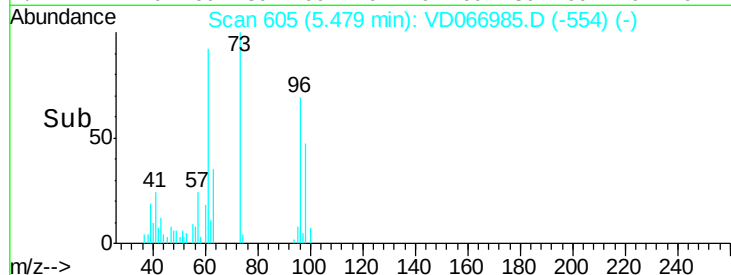
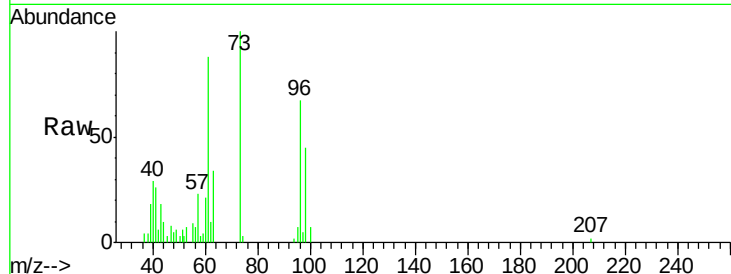
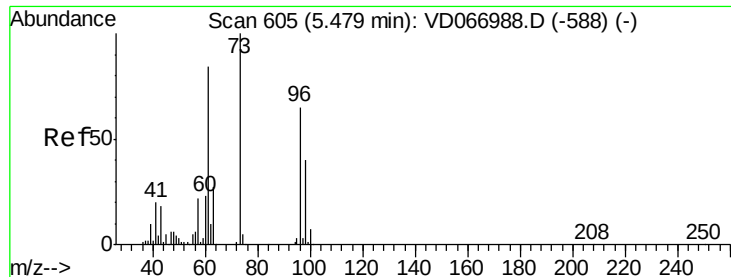
MMDadoda
10/2/2020 3:13:14 PM



#18
Methyl Acetate
Concen: 5.430 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion: 43 Resp: 8972
Ion Ratio Lower Upper
43 100
74 17.6 21.5 32.3#





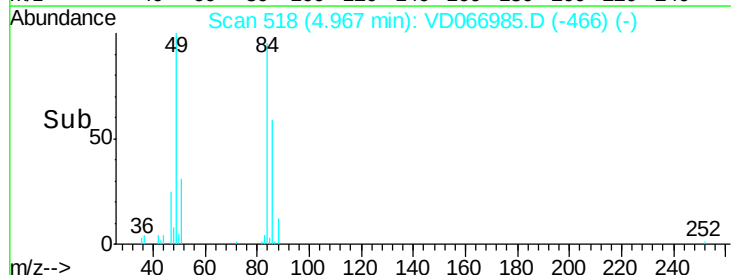
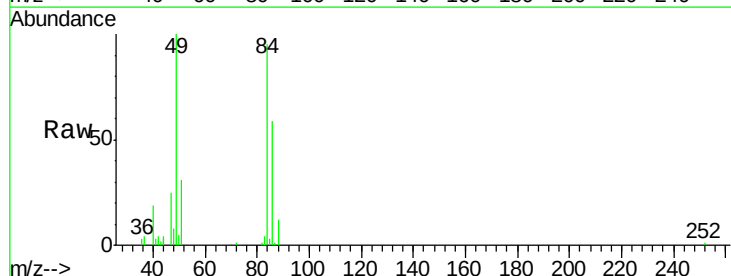
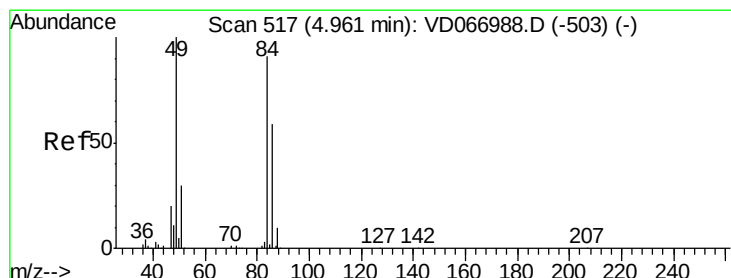
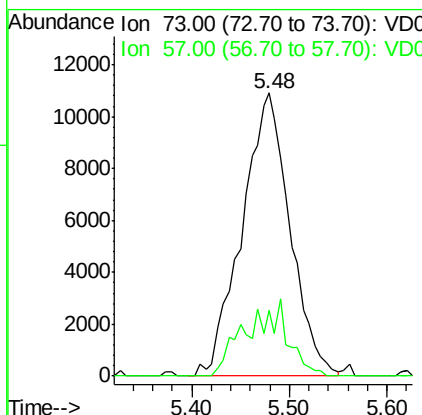
#19
Methyl tert-butyl Ether
Concen: 4.884 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tot Ion: 73 Resp: 37575
Ion Ratio Lower Upper
73 100
57 23.4 17.4 26.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

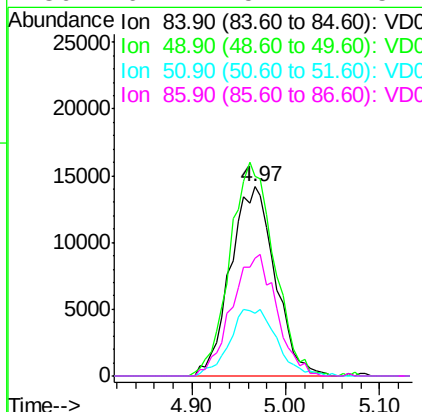
Manual Integrations
APPROVED

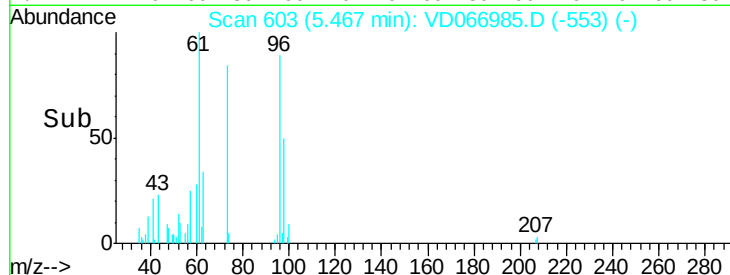
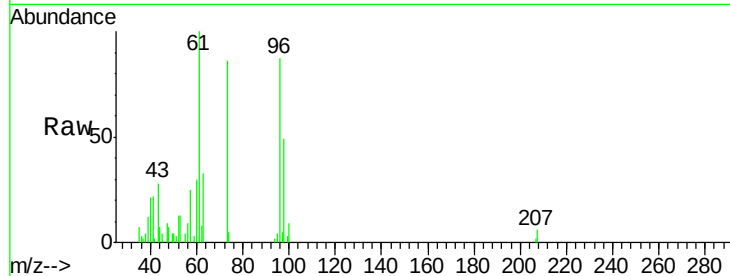
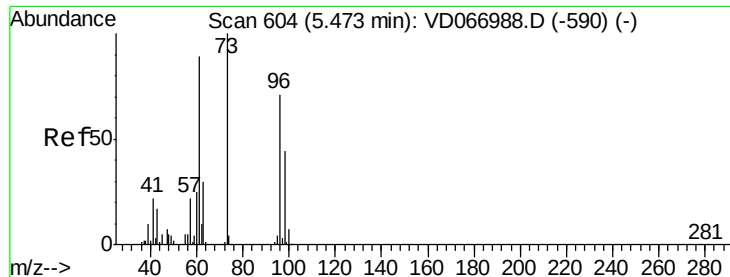
MMDadoda
10/2/2020 3:13:14 PM



#20
Methylene Chloride
Concen: 7.812 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion: 84 Resp: 46811
Ion Ratio Lower Upper
84 100
49 105.8 88.2 132.2
51 33.1 26.6 39.8
86 62.1 52.1 78.1





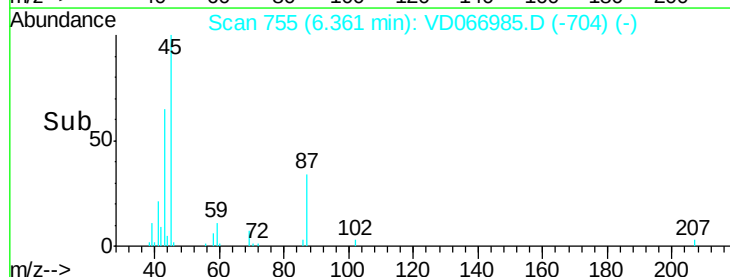
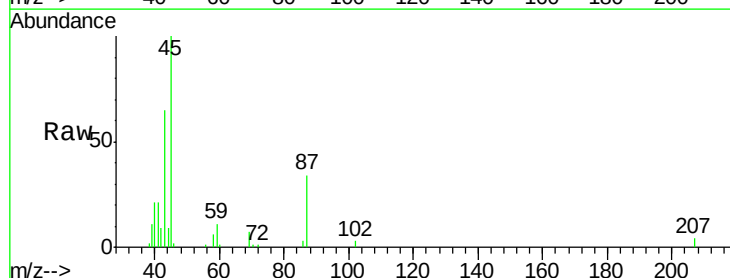
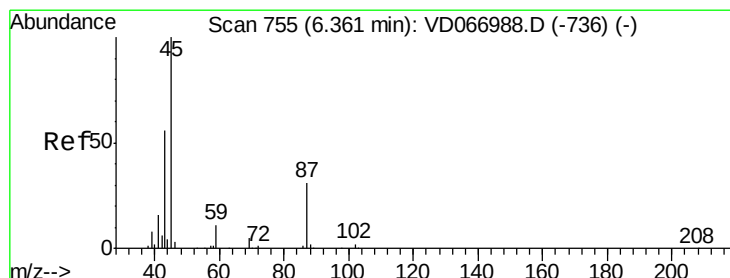
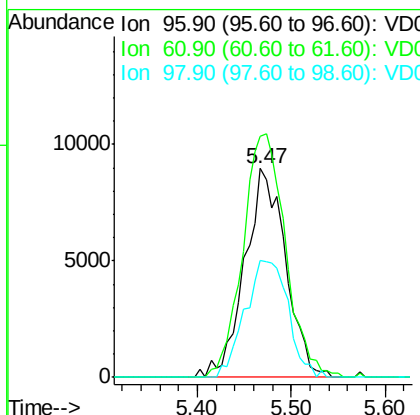
#21
trans-1,2-Dichloroethene
Concen: 5.606 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tot Ion	Ratio	Lower	Upper
96	100		
61	115.4	99.6	149.4
98	56.1	49.4	74.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

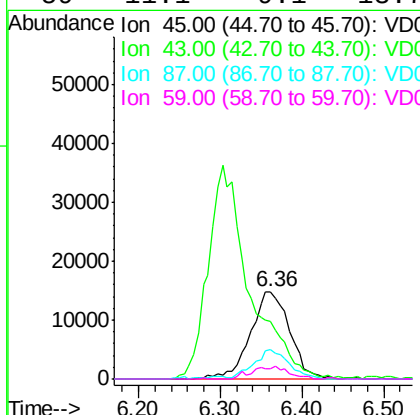
Manual Integrations
APPROVED

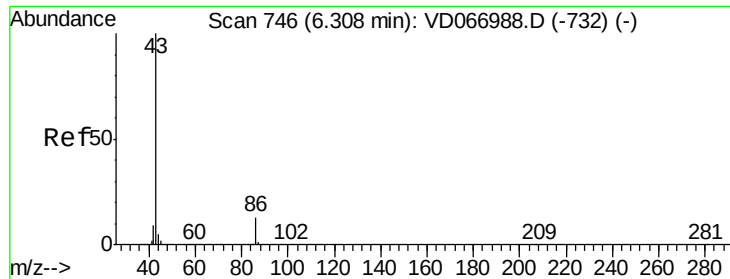
MMDadoda
10/2/2020 3:13:14 PM



#22
Diisopropyl ether
Concen: 4.951 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.8	45.2	67.8
87	33.8	25.6	38.4
59	11.1	9.1	13.7





#23

Vinyl Acetate

Concen: 22.652 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 128308

Ion Ratio Lower Upper

43 100

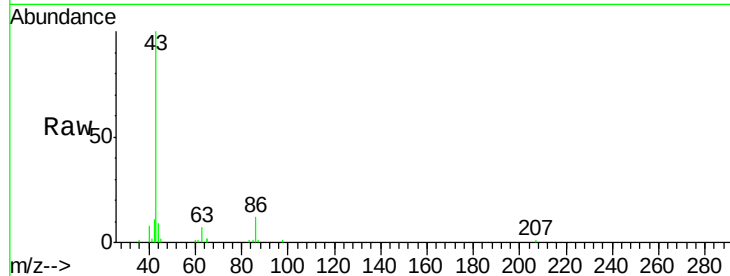
86 11.6 10.2 15.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

40000

30000

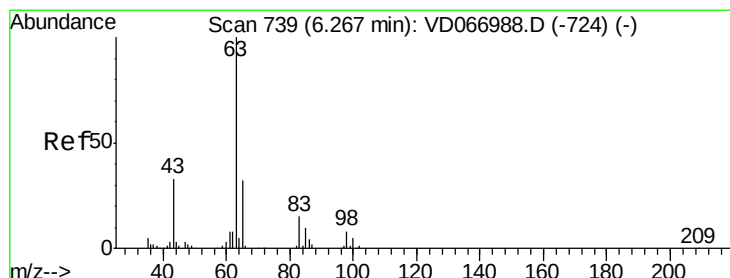
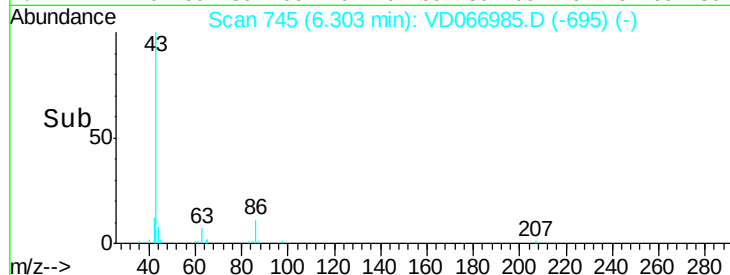
20000

10000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 5.453 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

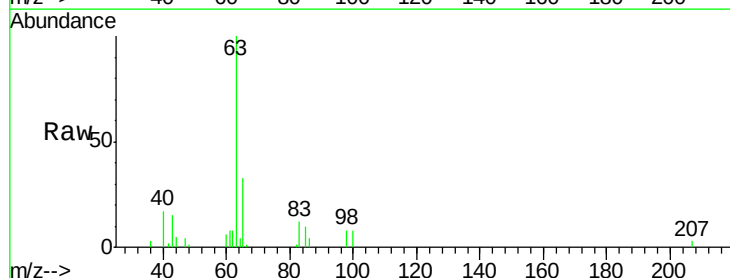
Tgt Ion: 63 Resp: 42065

Ion Ratio Lower Upper

63 100

98 8.4 4.2 12.6

100 8.1 2.6 7.8#



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

15000

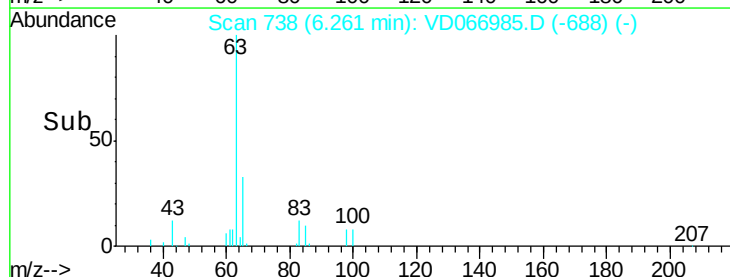
10000

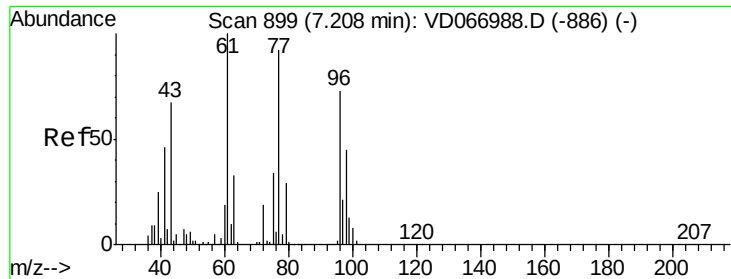
5000

0

6.20 6.30

Time-->





#25

2-Butanone

Concen: 29.391 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 27393

Ion Ratio Lower Upper

43 100

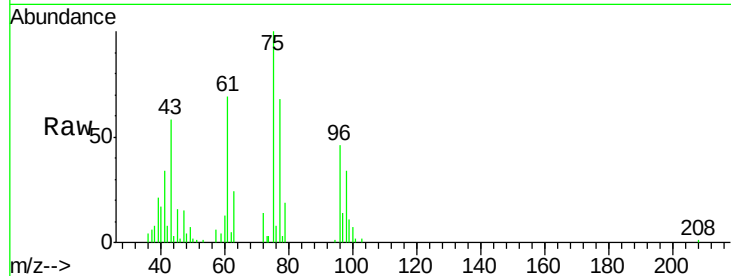
72 23.7 22.8 34.2

Manual Integrations

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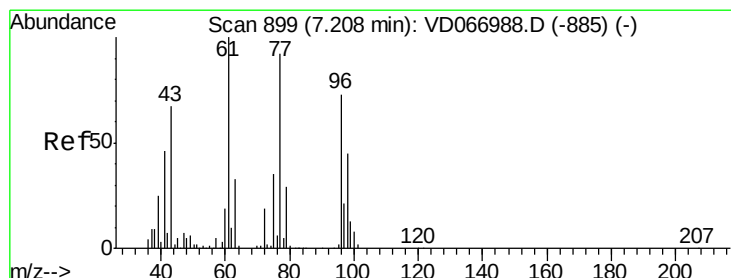
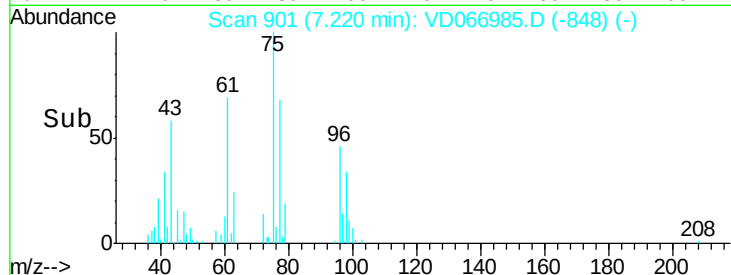
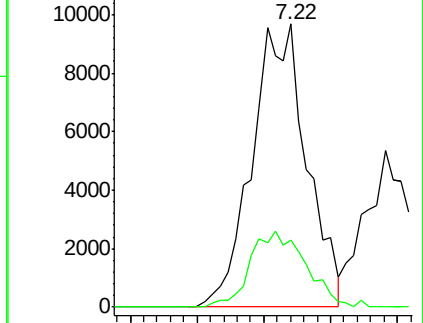
MMDadoda

10/2/2020 3:13:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 6.135 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066985.D

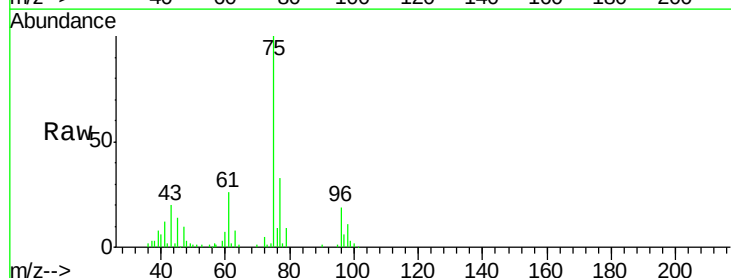
Acq: 01 Oct 2020 11:00

Tgt Ion: 77 Resp: 45412

Ion Ratio Lower Upper

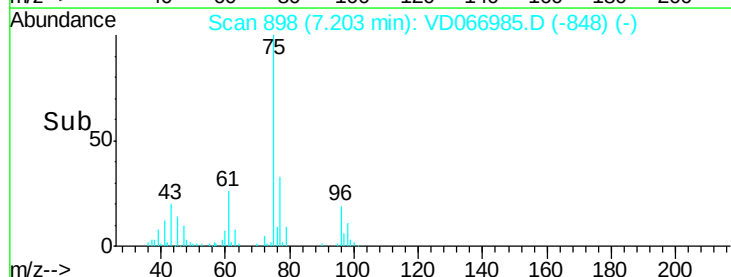
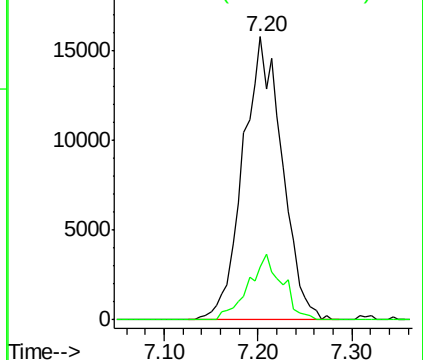
77 100

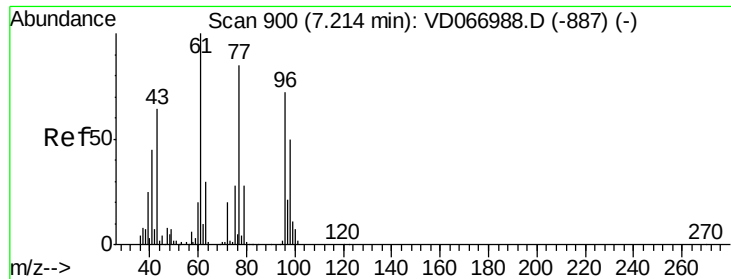
97 20.0 11.4 34.2



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: 5.217 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

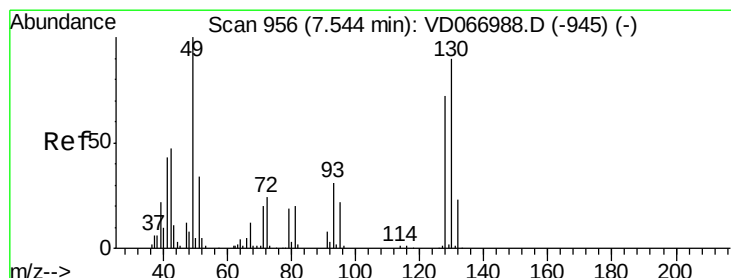
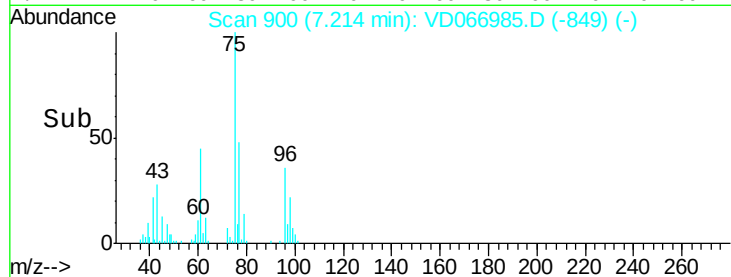
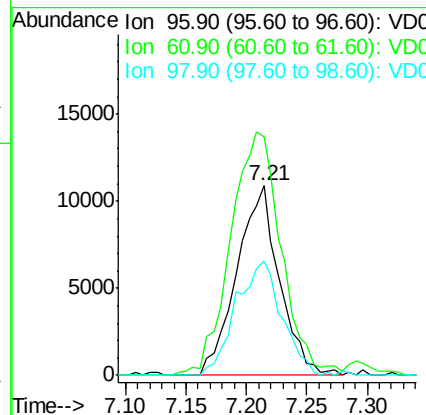
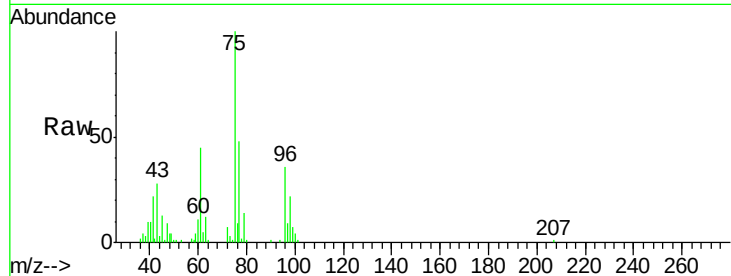
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	26726
Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	269.2
98	64.7	0.0	129.4

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#28

Bromochloromethane

Concen: 5.282 ug/l

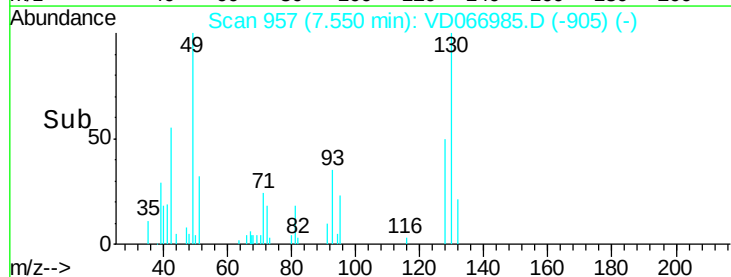
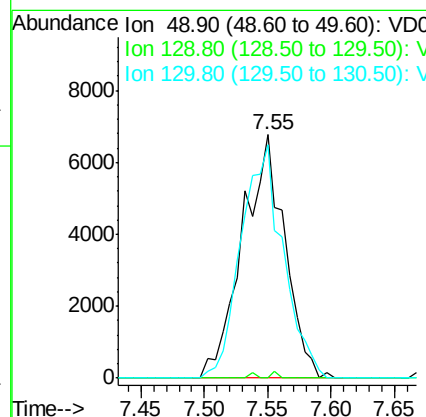
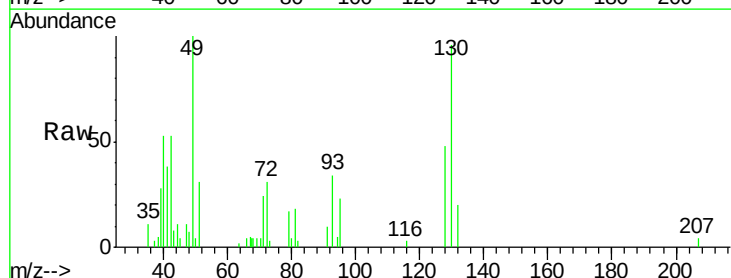
RT: 7.55 min Scan# 957

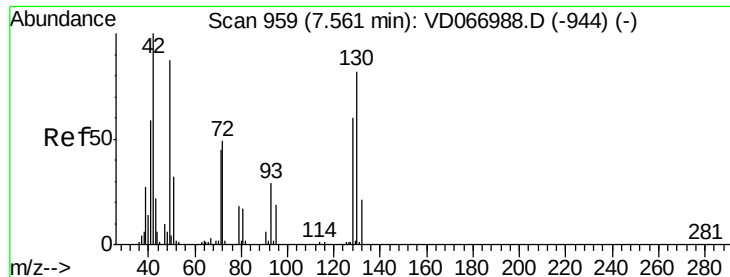
Delta R.T. 0.01 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Tgt Ion:	49	Resp:	15735
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.6
130	94.9	74.1	111.1





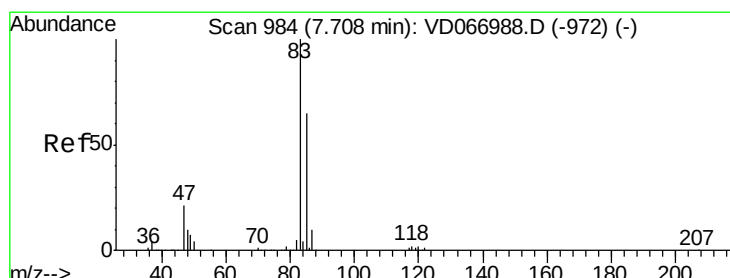
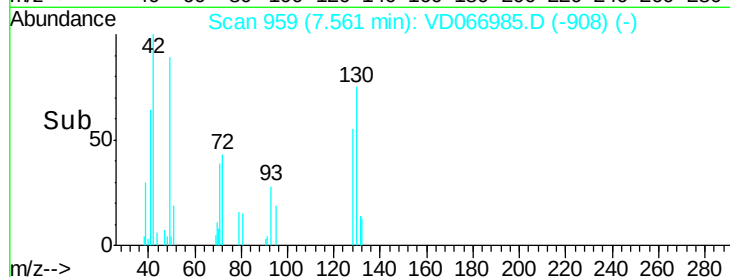
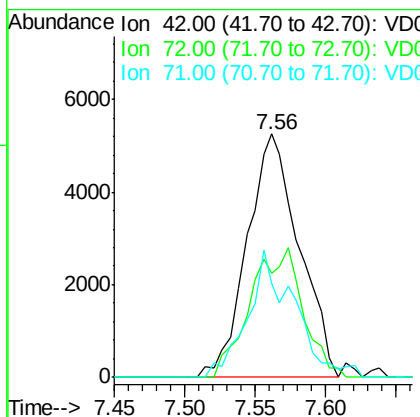
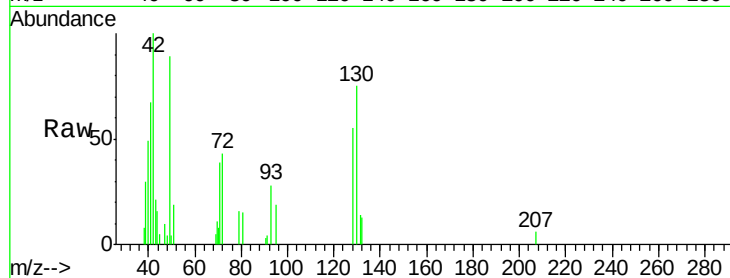
#29
Tetrahydrofuran
Concen: 25.322 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.7	39.1	58.7
71	46.8	34.2	51.4

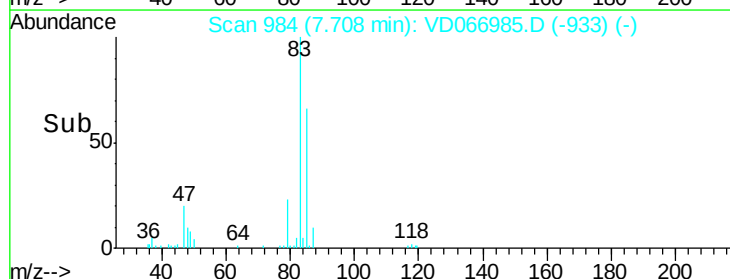
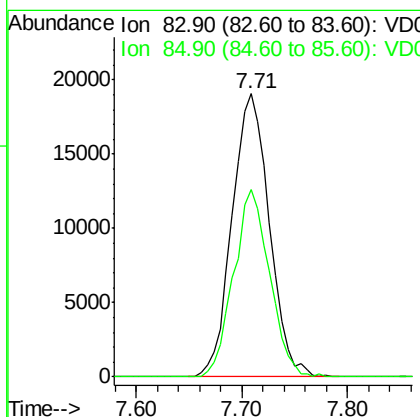
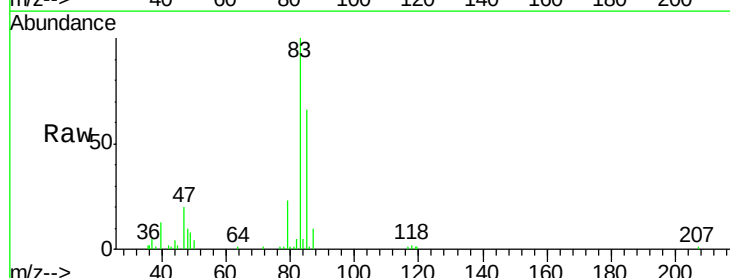
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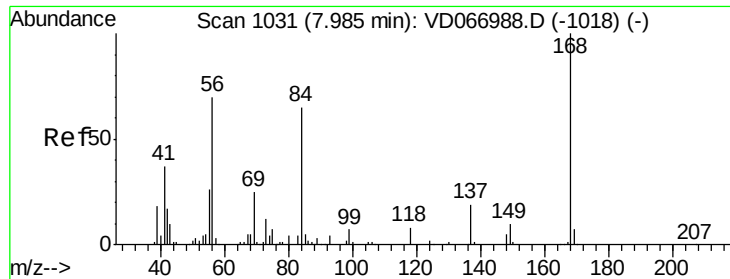
MMDadoda
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#30
Chloroform
Concen: 5.575 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.3	78.5





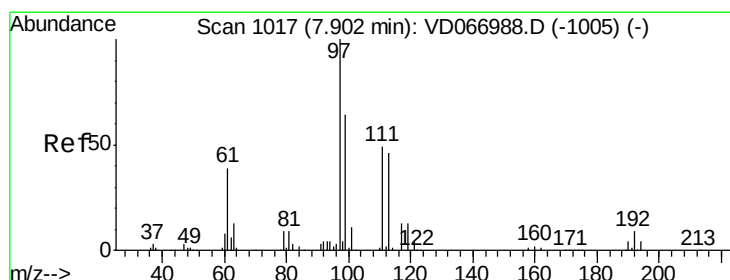
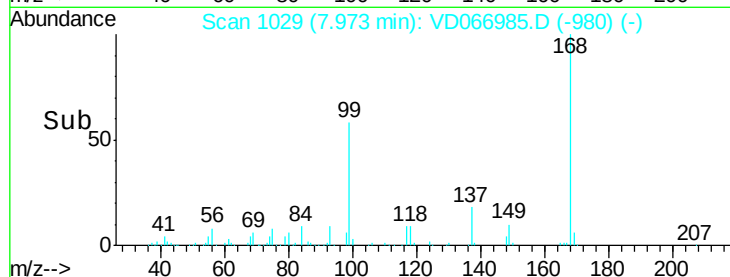
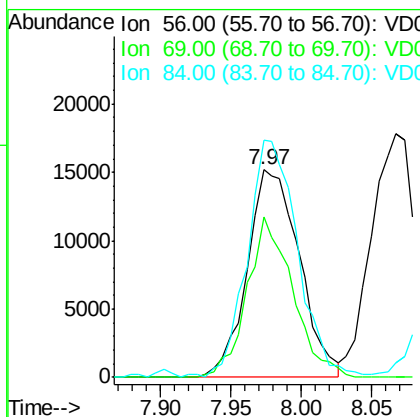
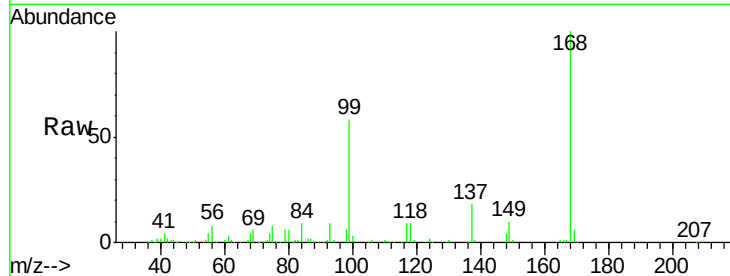
#31
Cyclohexane
Concen: 6.084 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	77.2	29.0	43.6#
84	112.9	74.2	111.2#

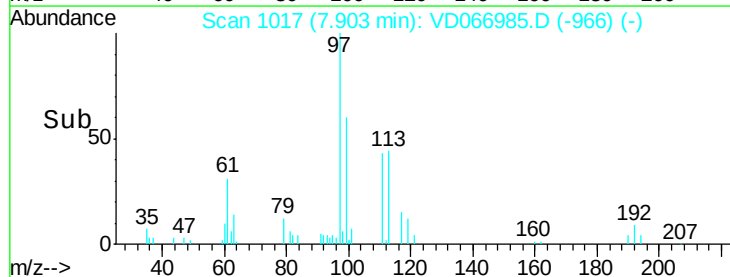
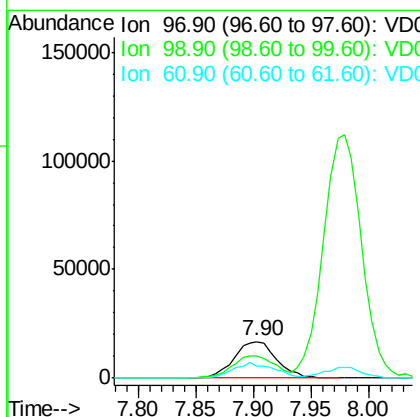
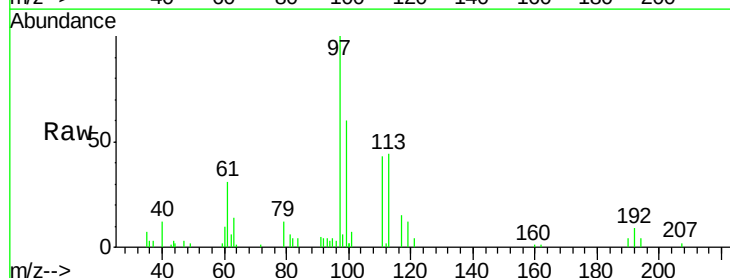
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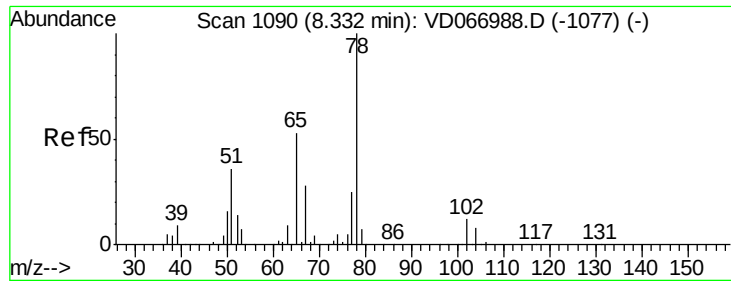
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 5.532 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	52.6	78.8
61	39.9	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 5.279 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 22732

Ion Ratio Lower Upper

65 100

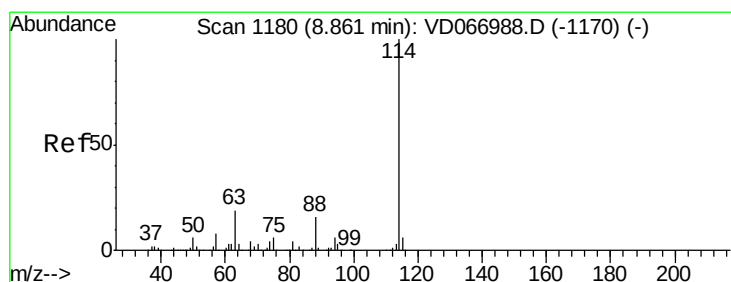
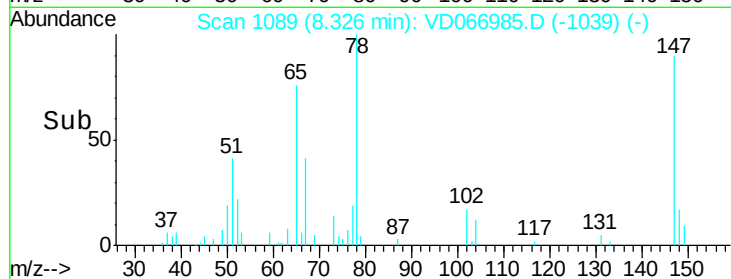
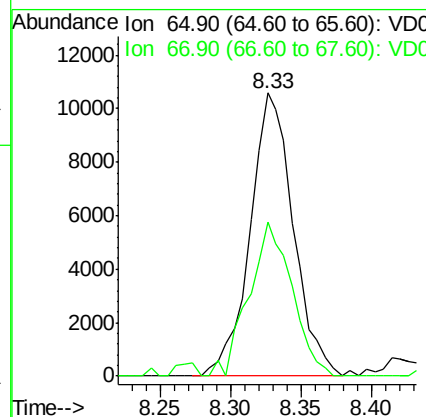
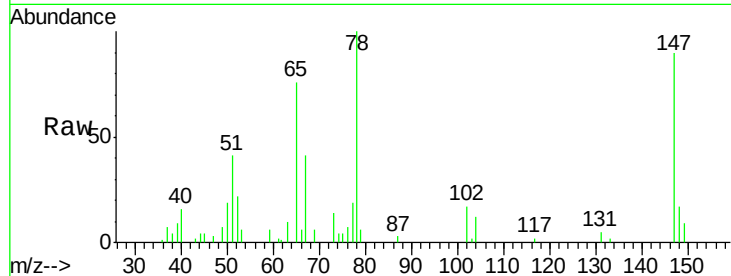
67 54.2 0.0 106.8

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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: VD066985.D

Acq: 01 Oct 2020 11:00

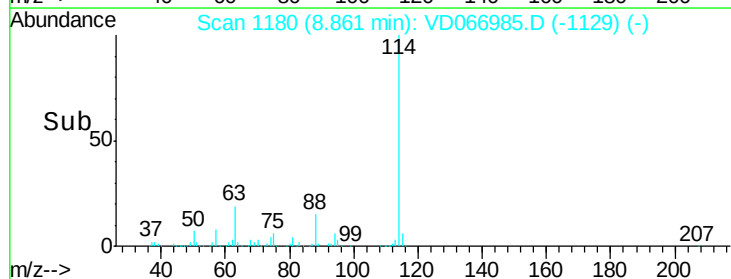
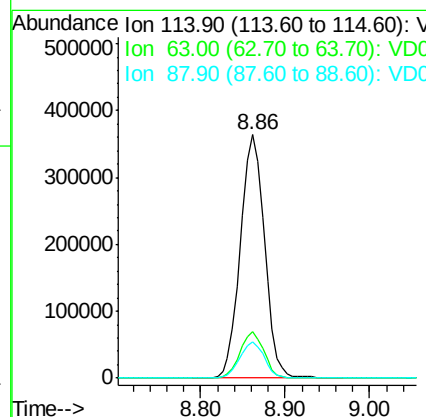
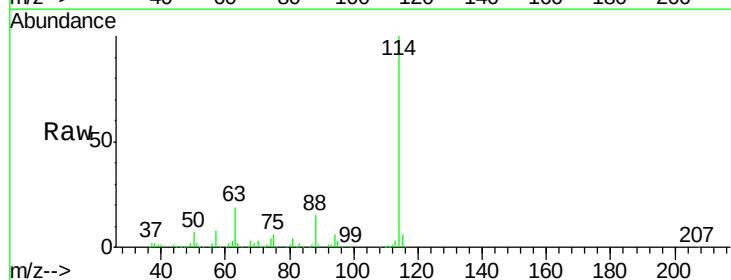
Tgt Ion: 114 Resp: 718942

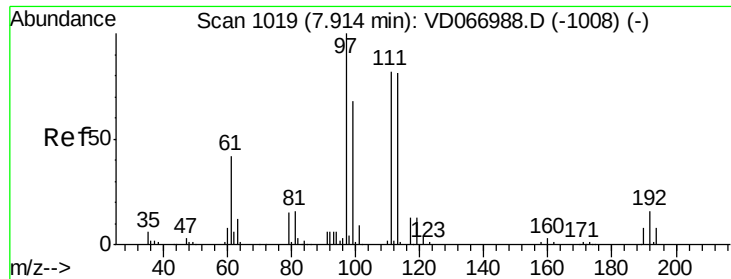
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

88 14.7 0.0 31.2





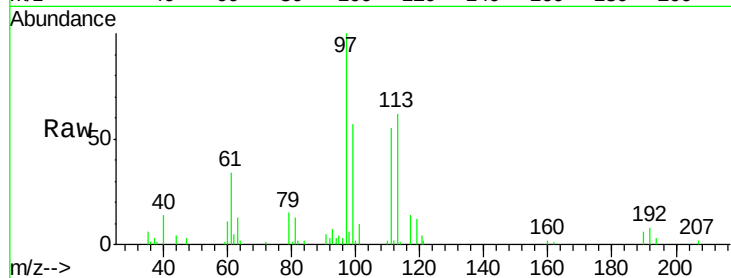
#35
Dibromofluoromethane
Concen: 4.800 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

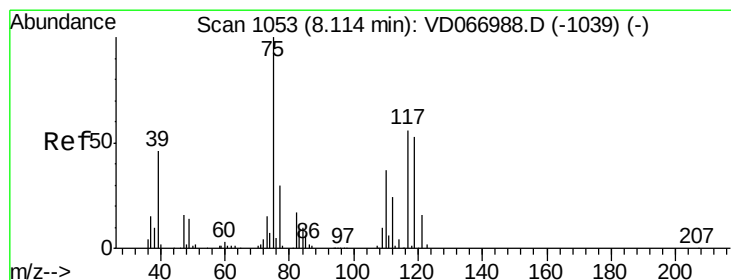
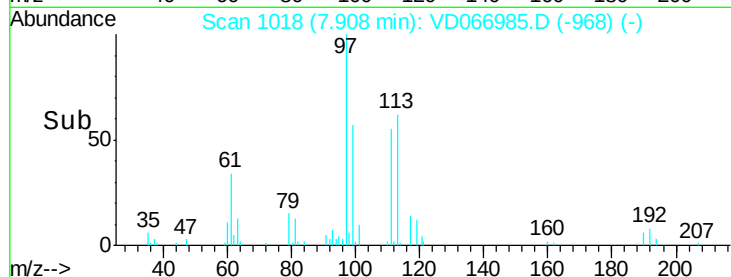
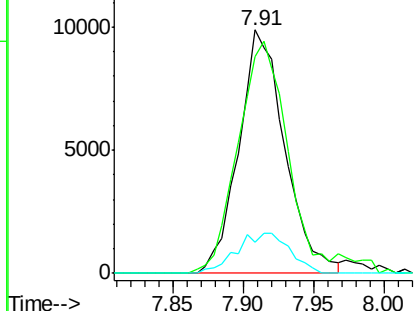
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.4
192	19.3	15.5	23.3

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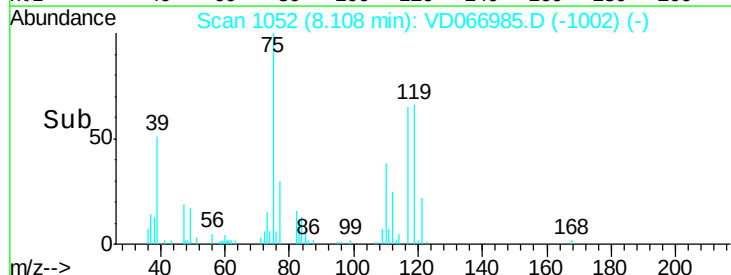
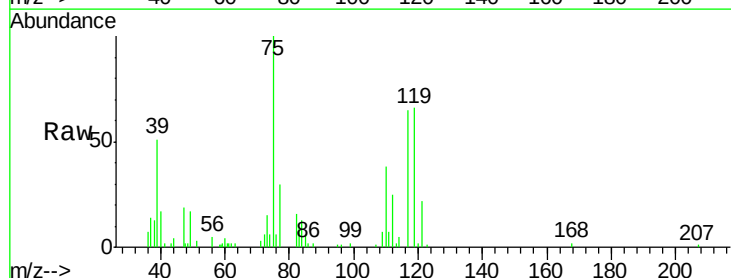
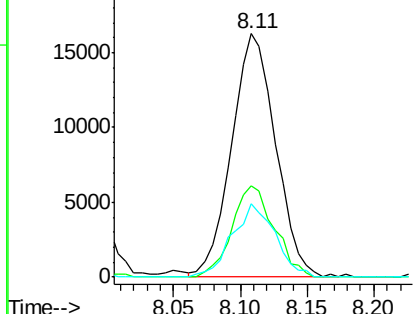
Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

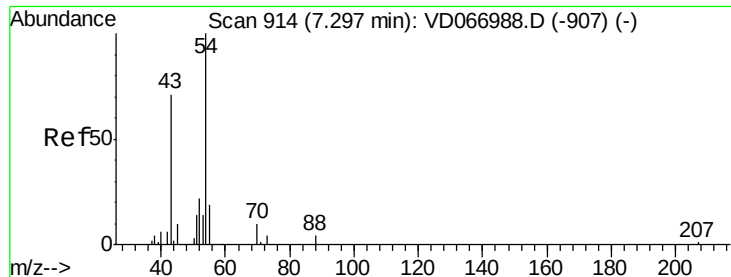


#36
1,1-Dichloropropene
Concen: 5.561 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.4	55.0
77	29.4	24.8	37.2

Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC





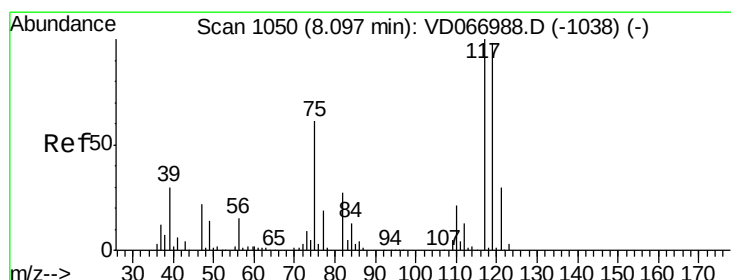
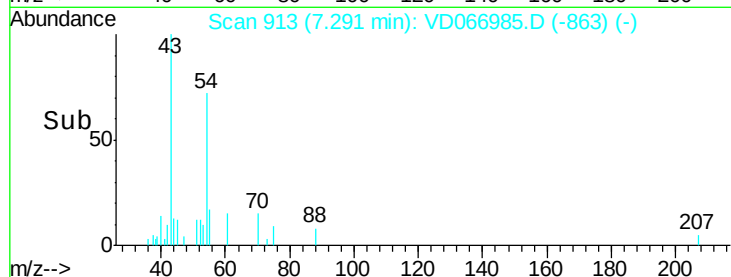
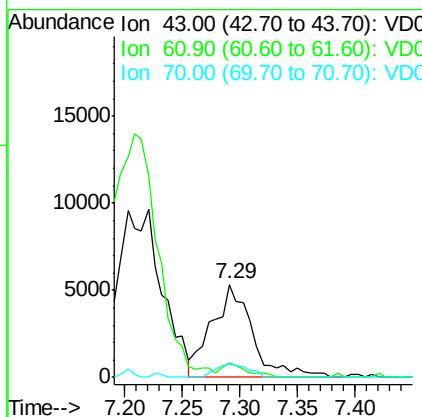
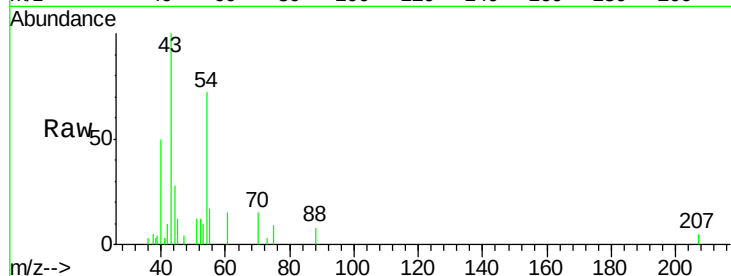
#37
Ethyl Acetate
Concen: 5.593 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	9.6	12.5	18.7#
70	11.6	9.4	14.0

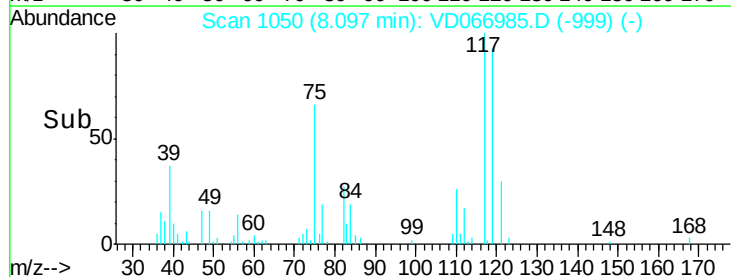
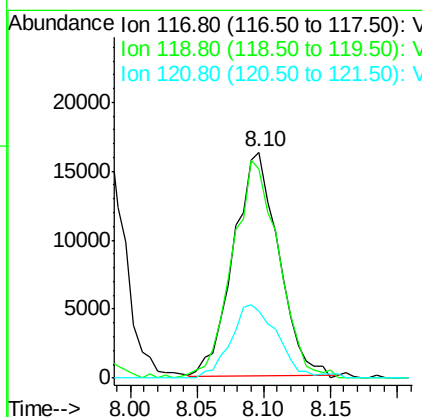
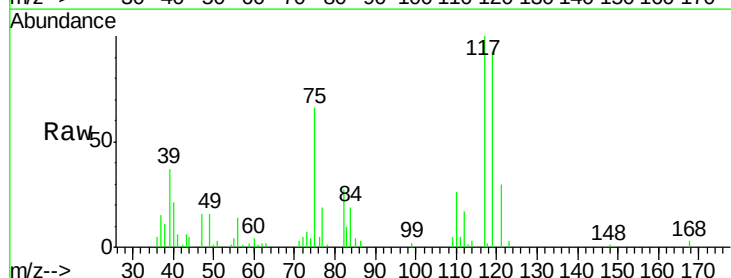
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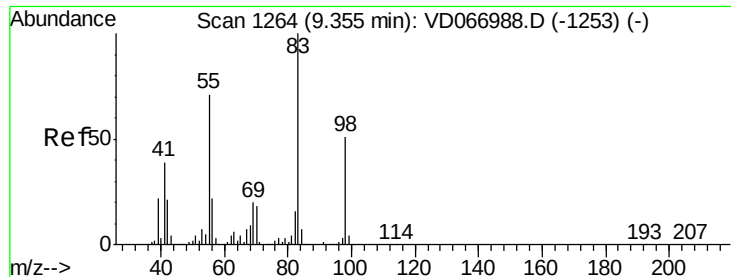
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#38
Carbon Tetrachloride
Concen: 5.250 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.7	118.1
121	30.1	24.2	36.2





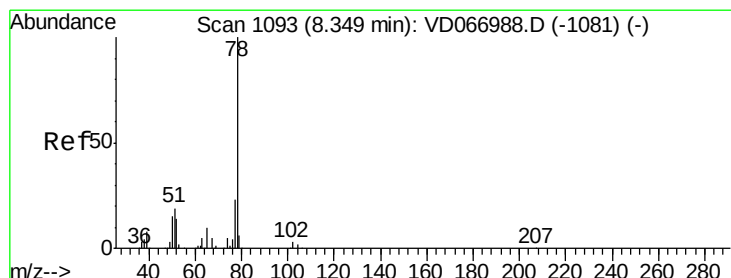
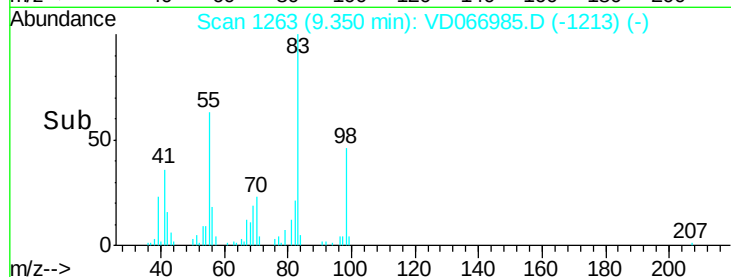
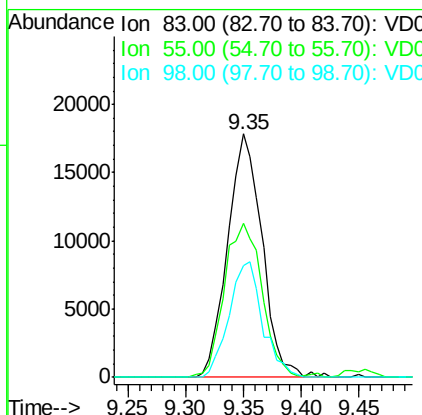
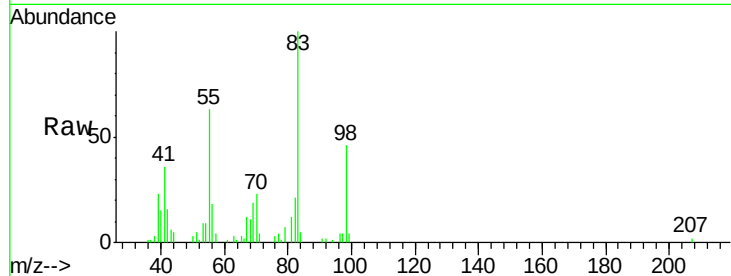
#39
Methylvlcyclohexane
Concen: 5.199 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.0	57.1	85.7
98	46.0	40.9	61.3

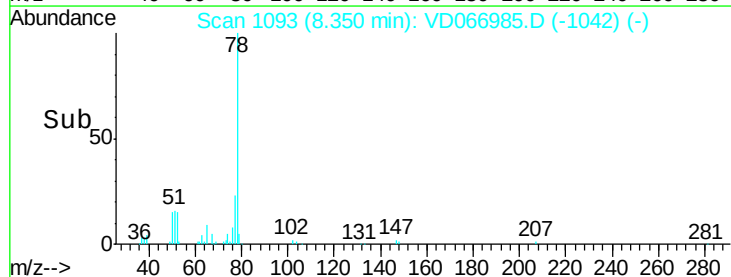
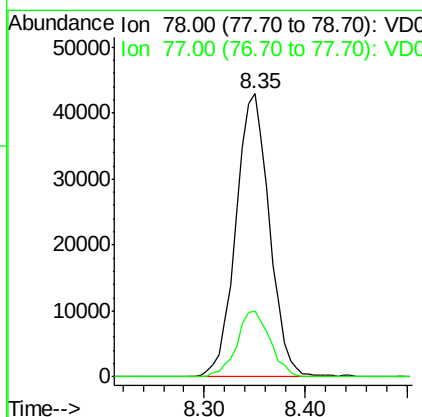
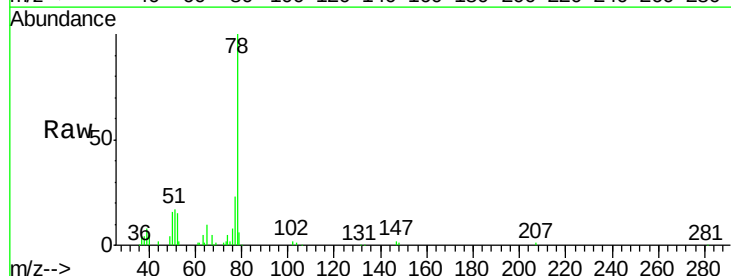
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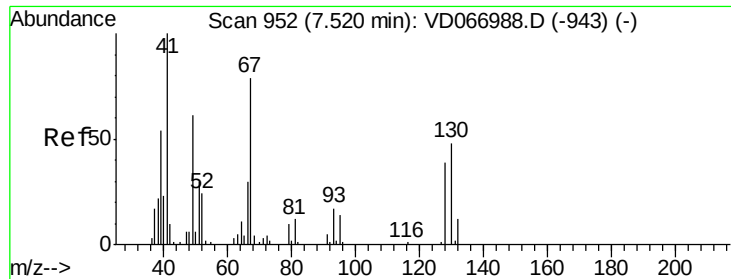
MMDadoda
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#40
Benzene
Concen: 5.282 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.4	27.6





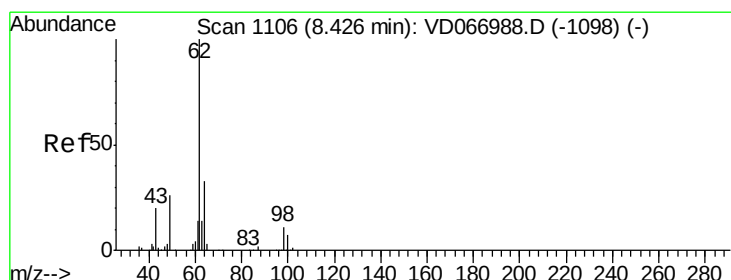
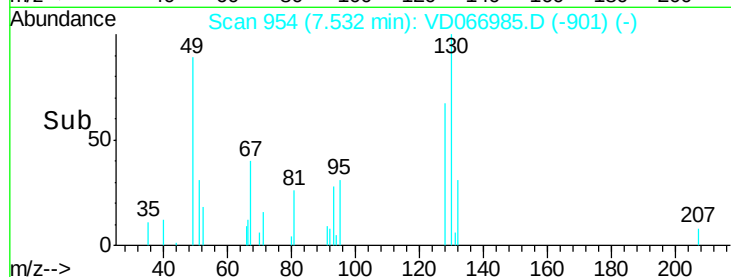
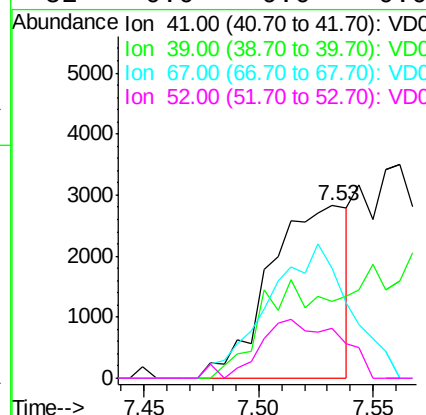
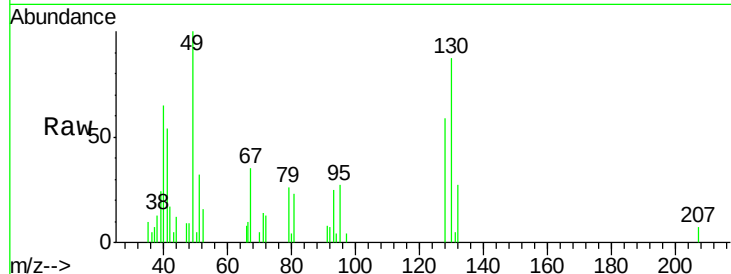
#41
Methacrylonitrile
Concen: 5.318 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp:	6670
Ion	Ratio	Lower	Upper
41	100		
39	5.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

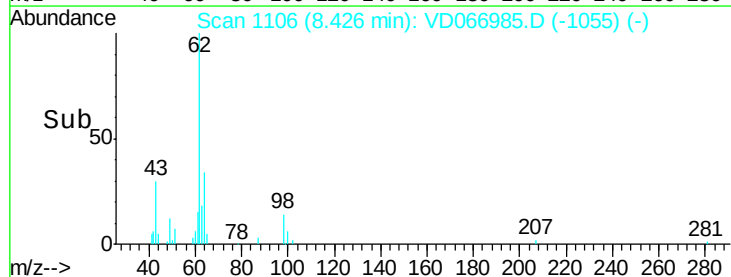
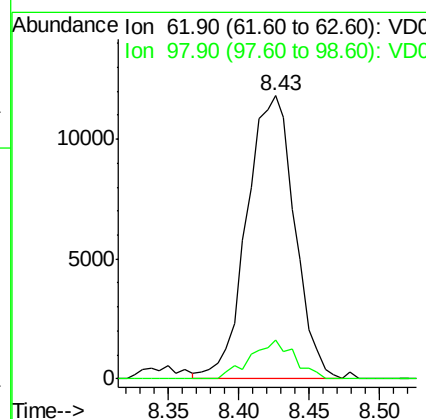
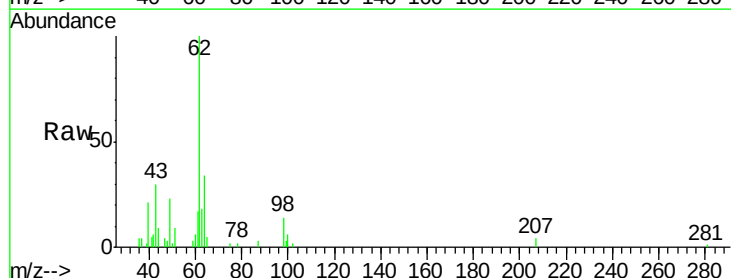
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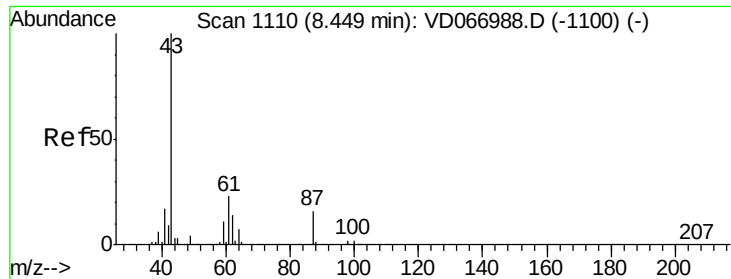
MMDadoda
10/2/2020 3:13:14 PM



#42
1,2-Dichloroethane
Concen: 5.388 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	62	Resp:	28025
Ion	Ratio	Lower	Upper
62	100		
98	12.5	0.0	22.6





#43

Isopropyl Acetate

Concen: 5.068 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

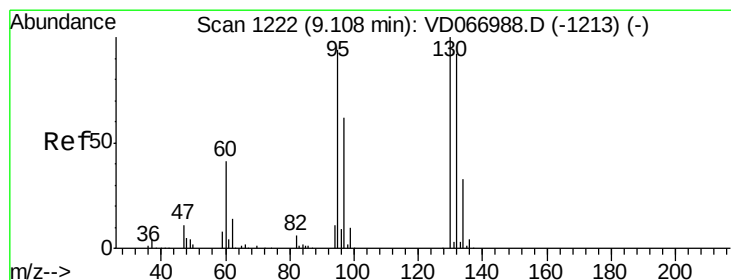
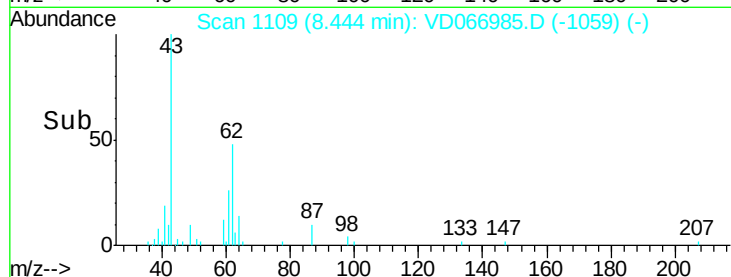
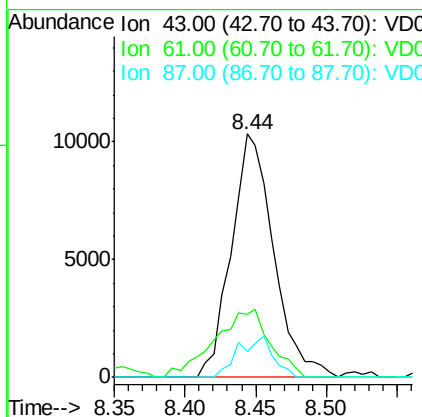
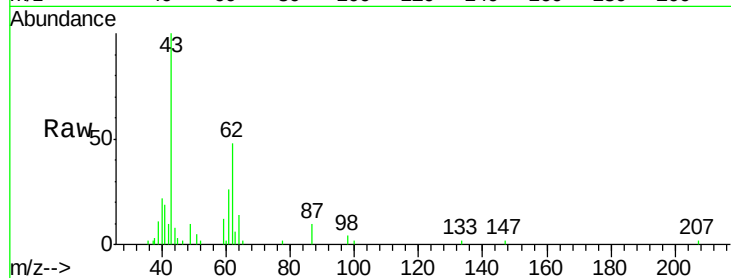
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	21676
Ion	Ratio	Lower	Upper
43	100		
61	36.6	27.1	40.7
87	13.7	12.3	18.5

Manual Integrations
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MMDadoda
10/2/2020 3:13:14 PM



#44

Trichloroethene

Concen: 5.484 ug/l

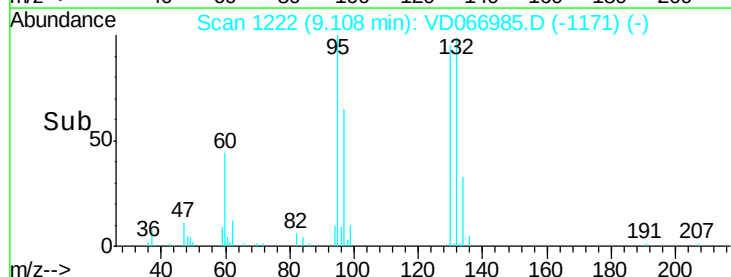
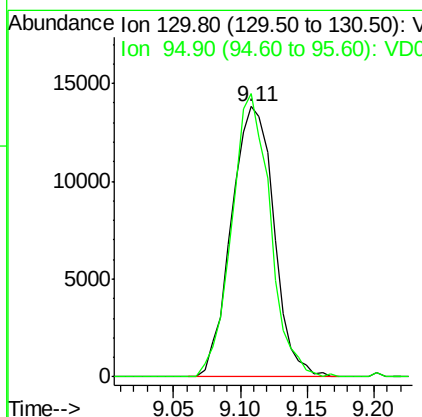
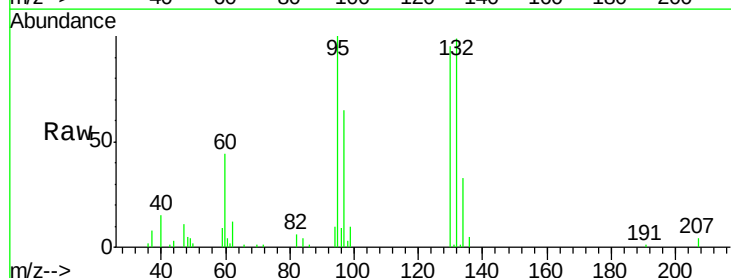
RT: 9.11 min Scan# 1222

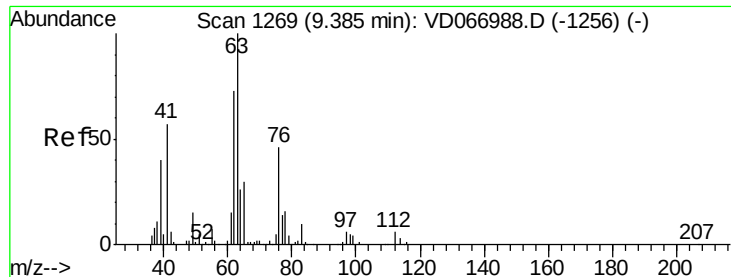
Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Tgt Ion:	130	Resp:	30483
Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	187.8





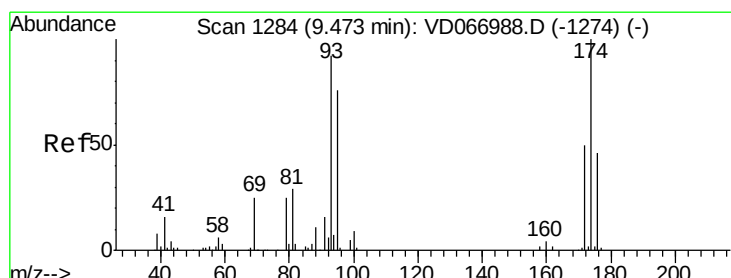
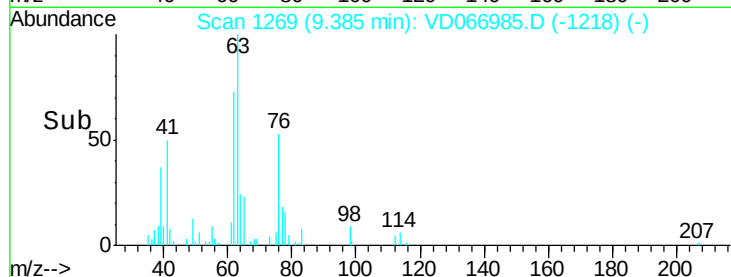
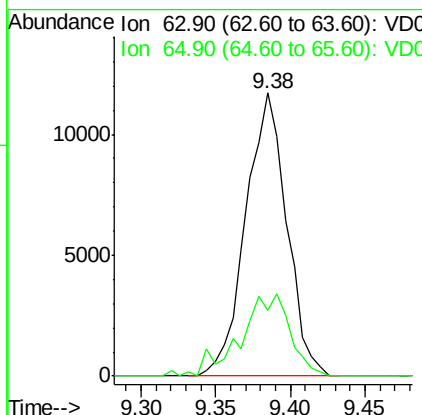
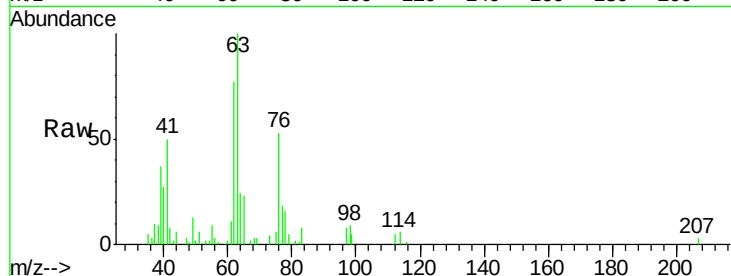
#45
 1,2-Dichloropropane
 Concen: 5.086 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 22244
 Ion Ratio Lower Upper
 63 100
 65 23.1 23.7 35.5#

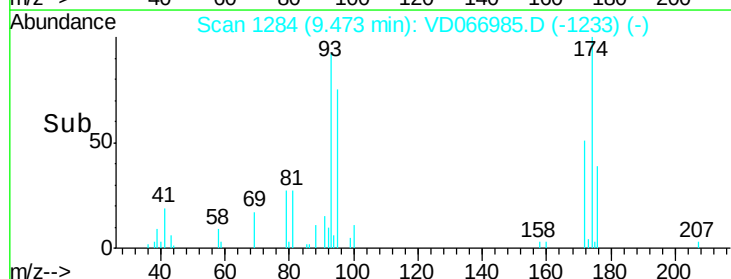
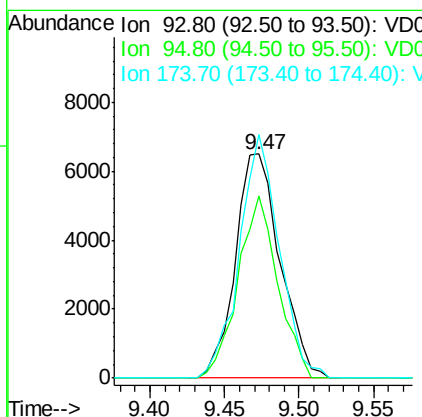
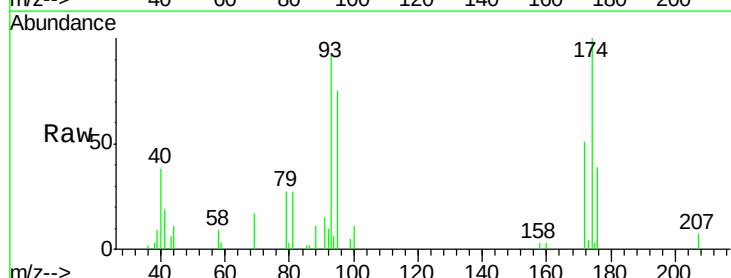
Manual Integrations
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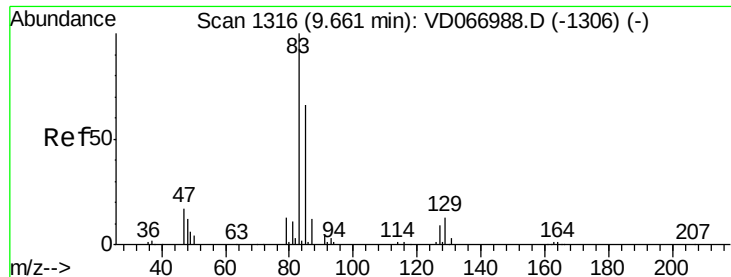
MMDadoda
 10/2/2020 3:13:14 PM



#46
 Dibromomethane
 Concen: 5.399 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Tgt Ion: 93 Resp: 13572
 Ion Ratio Lower Upper
 93 100
 95 72.0 64.7 97.1
 174 96.5 81.4 122.2





#47

Bromodichloromethane

Concen: 5.134 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

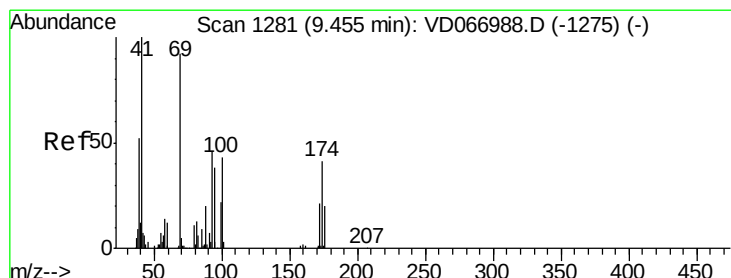
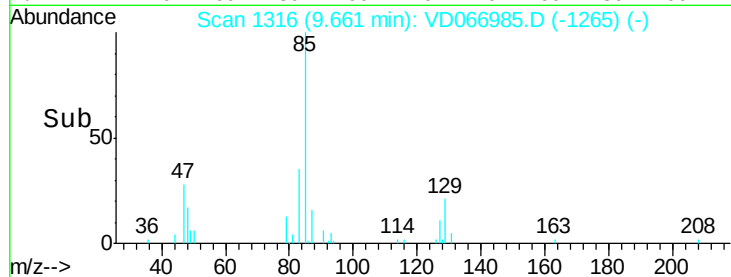
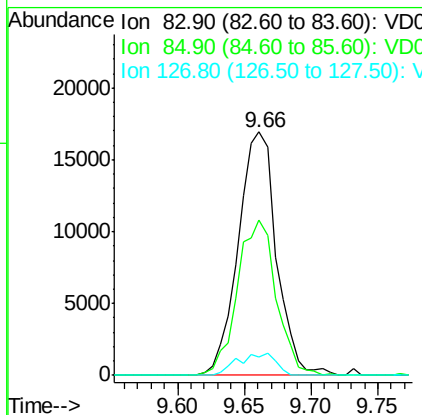
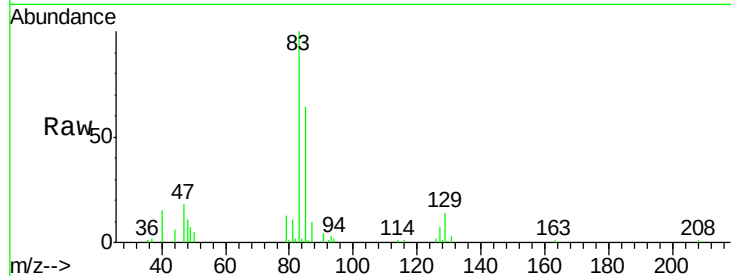
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	33549
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.9	79.3
127	7.3	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.001 ug/l

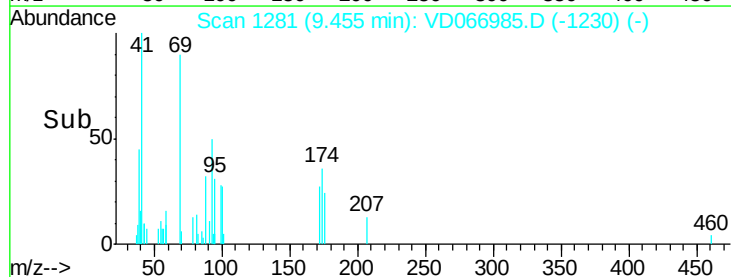
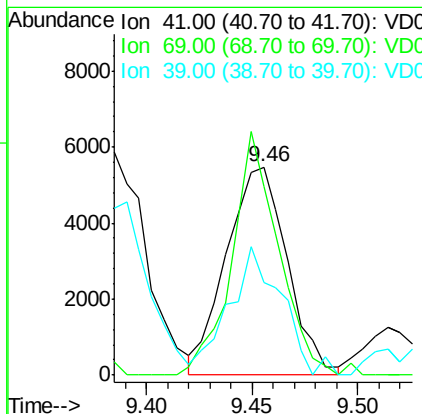
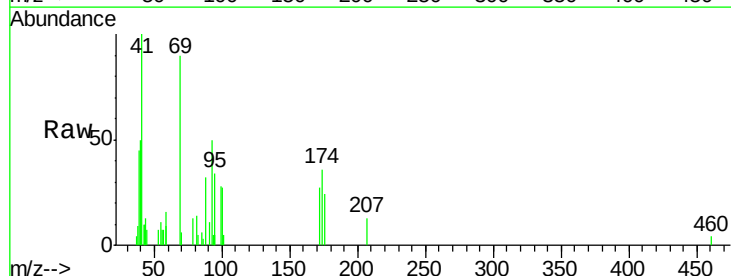
RT: 9.46 min Scan# 1281

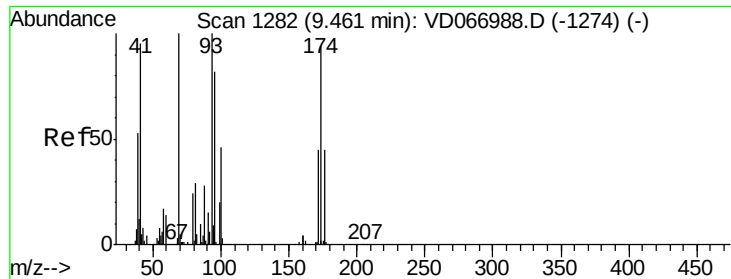
Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Tgt Ion:	41	Resp:	10957
Ion	Ratio	Lower	Upper
41	100		
69	88.6	68.5	102.7
39	53.6	40.2	60.2





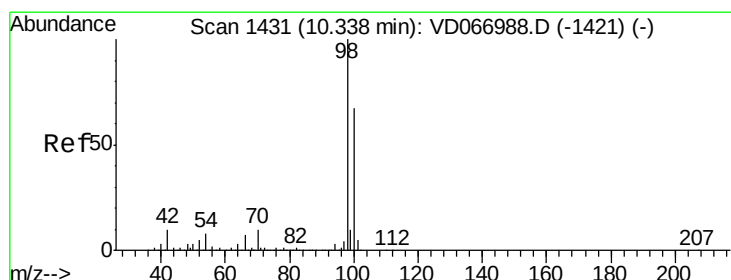
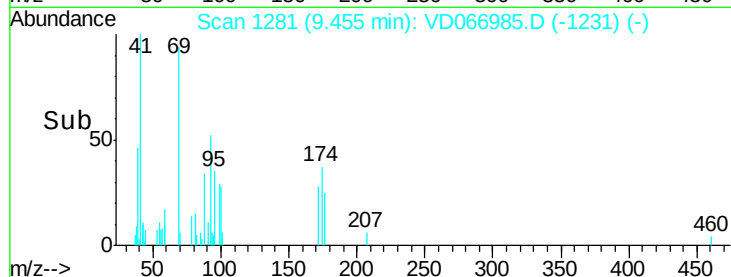
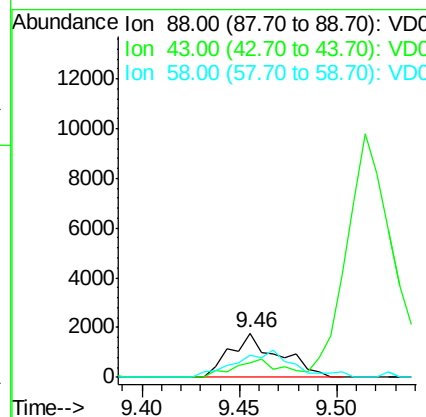
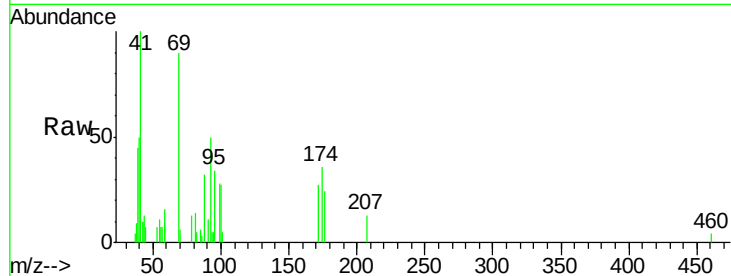
#49
1,4-Dioxane
Concen: 115.536 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	25.6	38.4
58	73.5	53.5	80.3

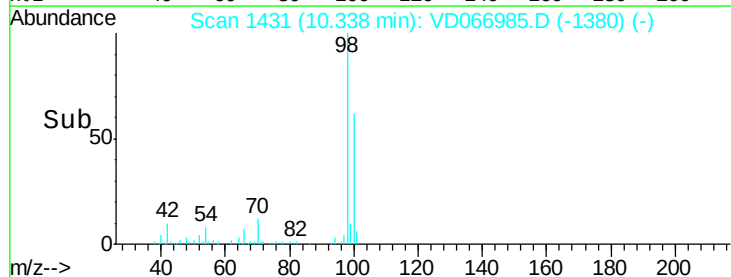
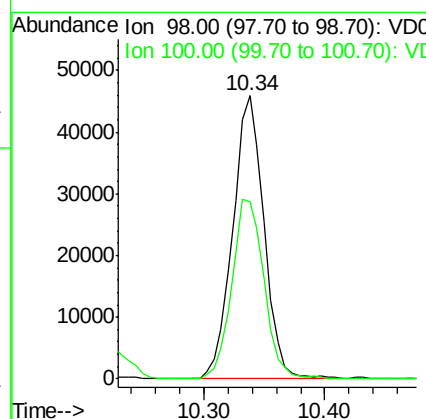
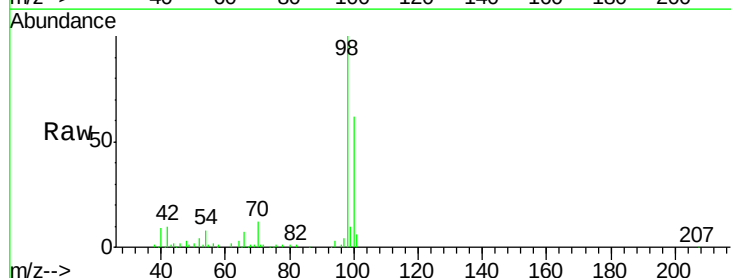
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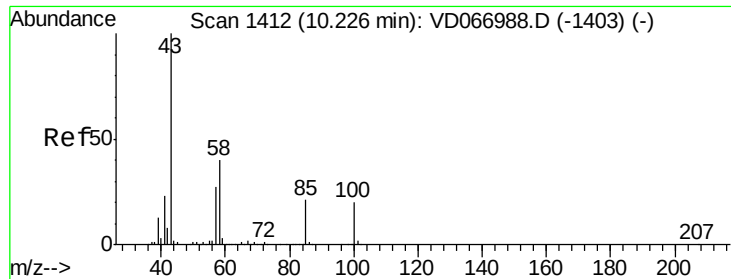
MMDadoda
10/2/2020 3:13:14 PM



#50
Toluene-d8
Concen: 4.815 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.8	79.2





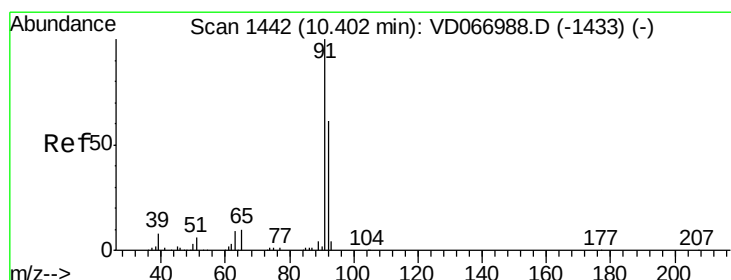
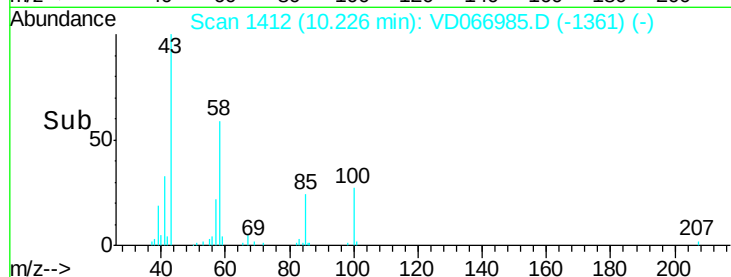
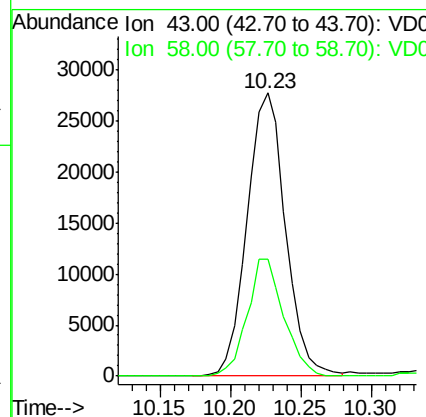
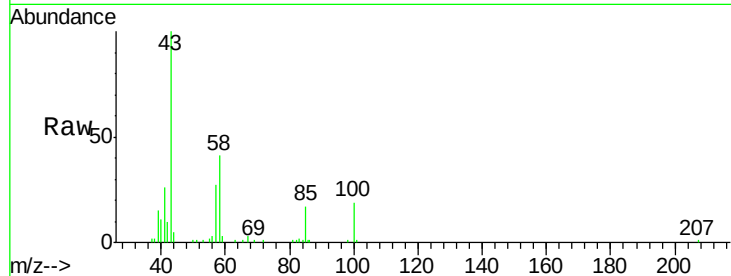
#51
 4-Methyl-2-Pentanone
 Concen: 24.848 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 43 Resp: 52933
 Ion Ratio Lower Upper
 43 100
 58 39.4 33.8 50.8

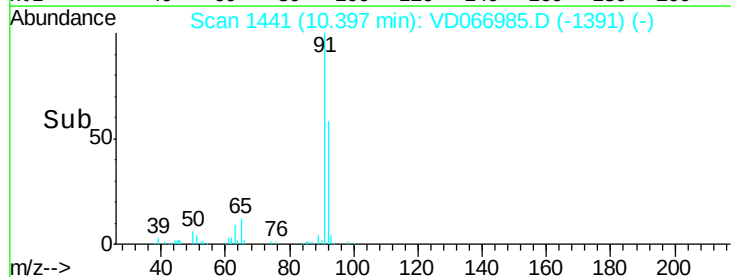
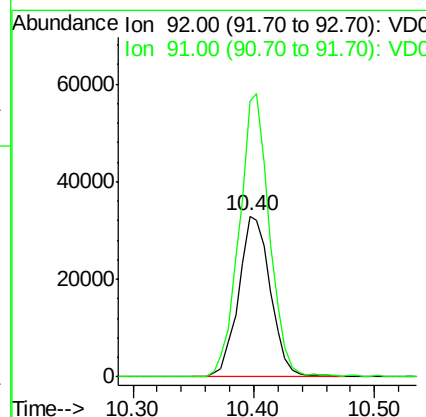
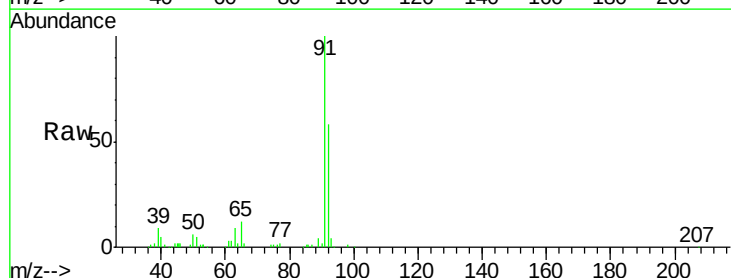
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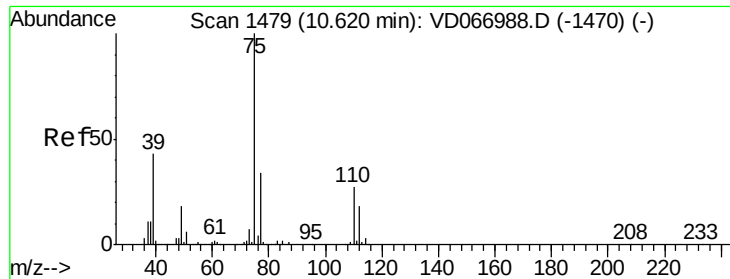
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 10/2/2020 3:13:14 PM



#52
 Toluene
 Concen: 5.051 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Tgt Ion: 92 Resp: 60566
 Ion Ratio Lower Upper
 92 100
 91 167.4 135.1 202.7





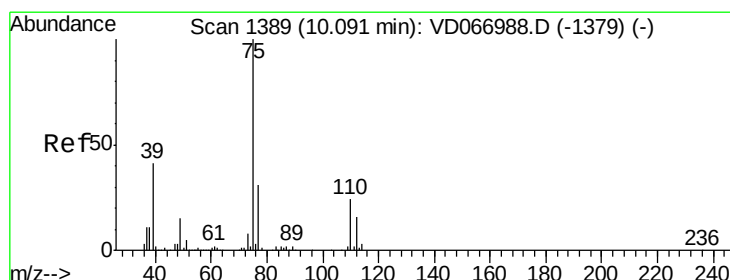
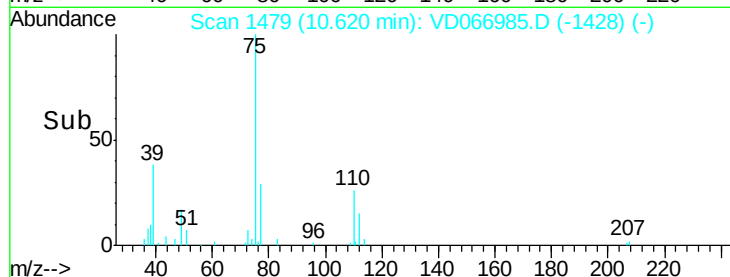
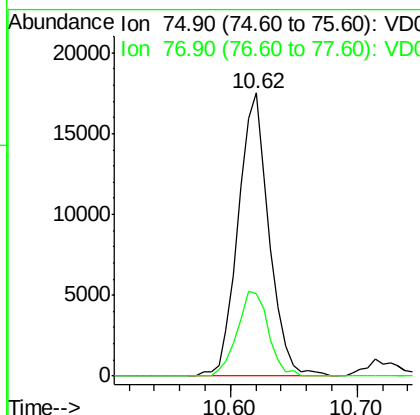
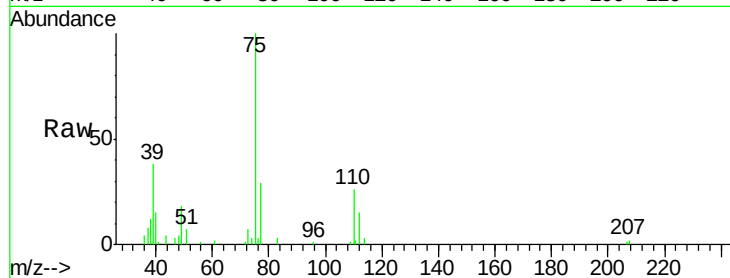
#53
t-1,3-Dichloropropene
Concen: 5.040 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 29434
Ion Ratio Lower Upper
75 100
77 29.3 27.1 40.7

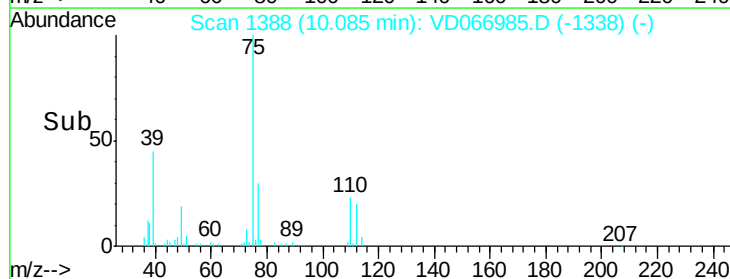
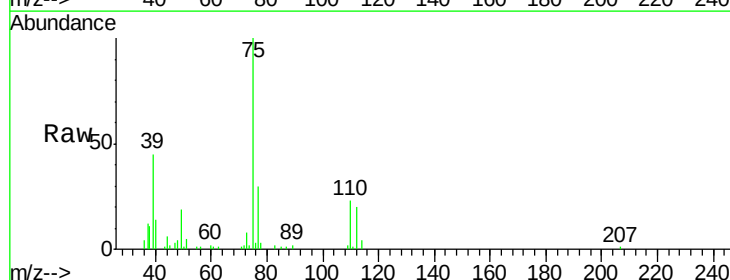
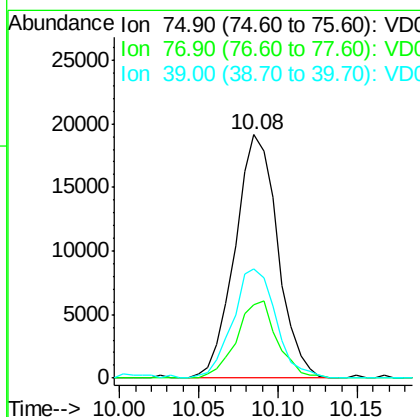
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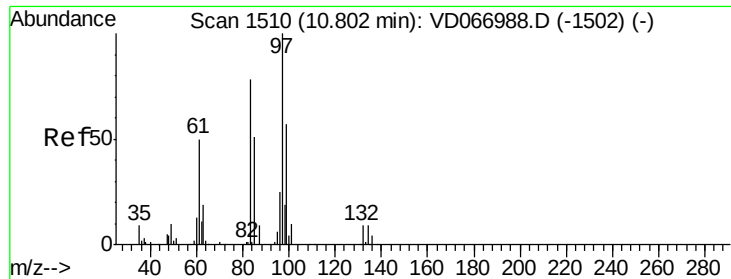
MMDadoda
10/2/2020 3:13:14 PM



#54
cis-1,3-Dichloropropene
Concen: 5.030 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion: 75 Resp: 35871
Ion Ratio Lower Upper
75 100
77 30.2 24.6 37.0
39 45.1 33.0 49.4





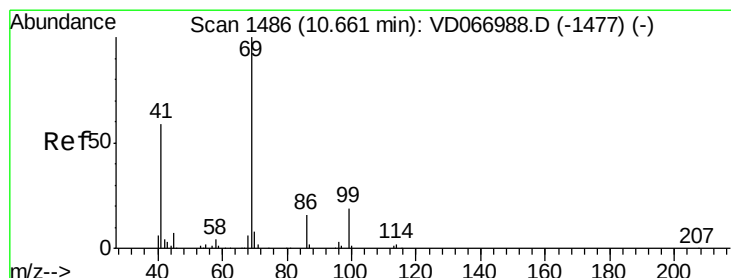
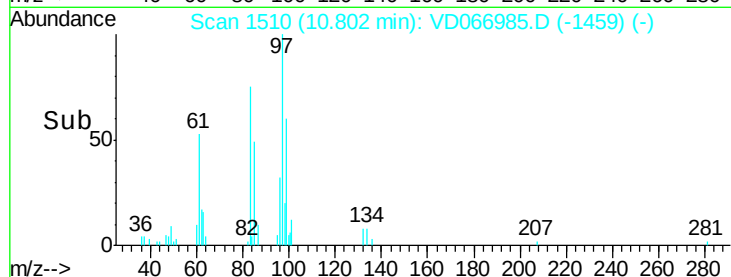
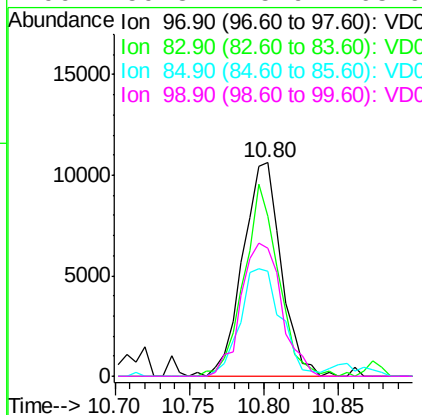
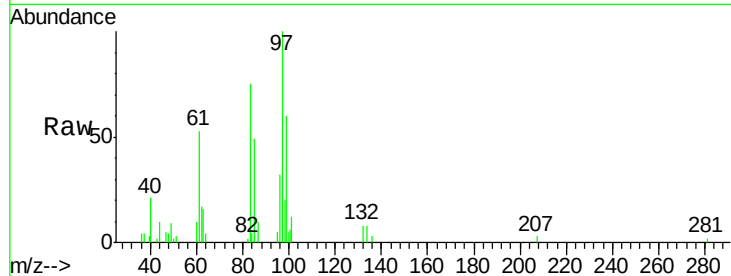
#55
 1,1,2-Trichloroethane
 Concen: 5.398 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		18865		
83	74.7	62.4	93.6		
85	49.3	41.0	61.4		
99	59.8	45.9	68.9		

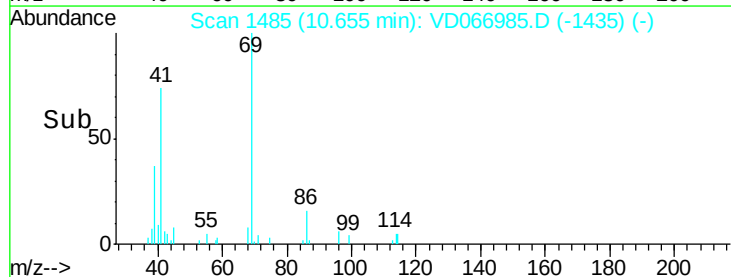
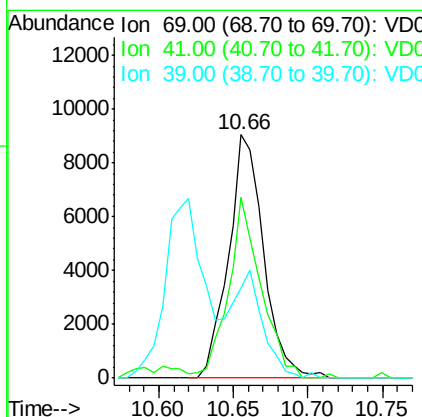
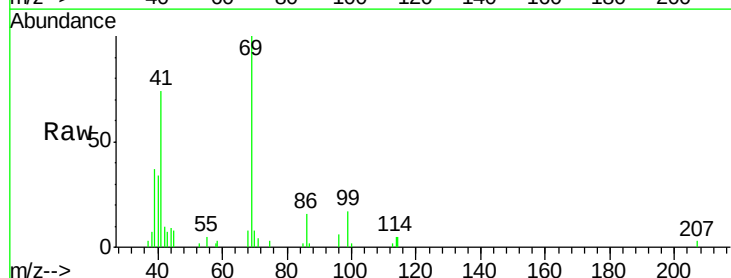
Manual Integrations
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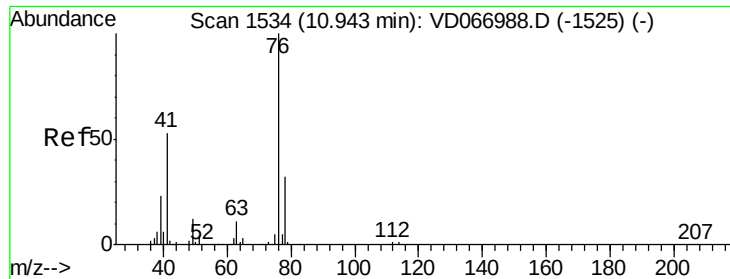
MMDadoda
 10/2/2020 3:13:14 PM



#56
 Ethyl methacrylate
 Concen: 4.128 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		14893		
41	68.9	46.4	69.6		
39	36.2	23.8	35.6#		





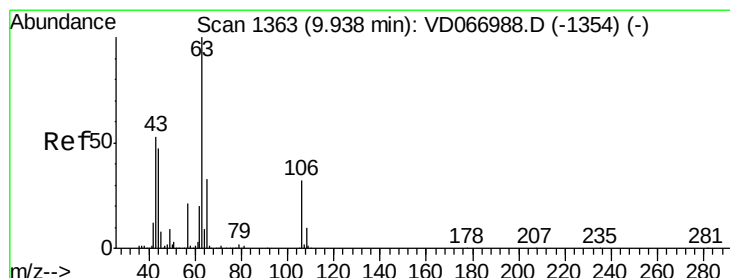
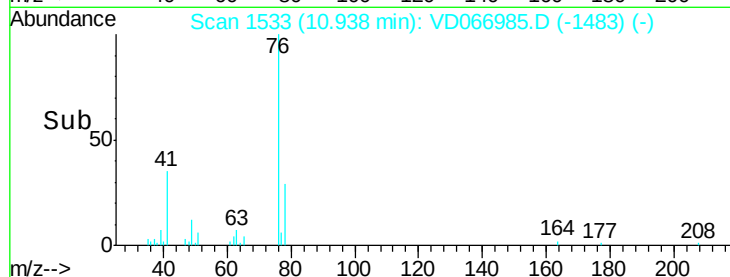
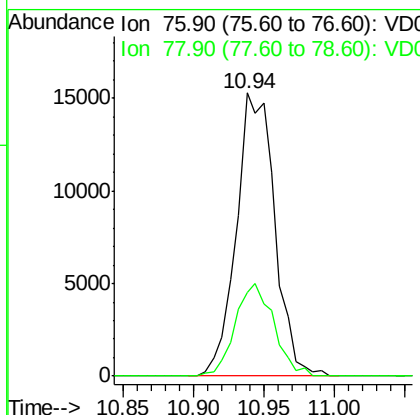
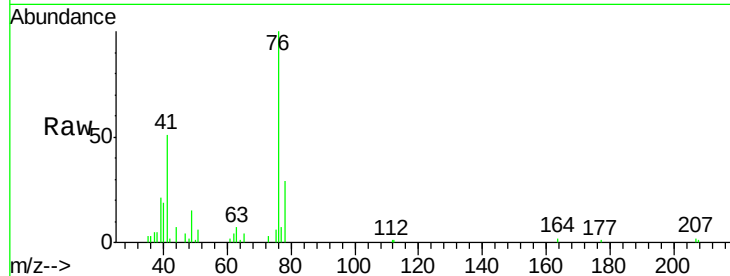
#57
 1,3-Dichloropropane
 Concen: 5.127 ug/l
 RT: 10.94 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

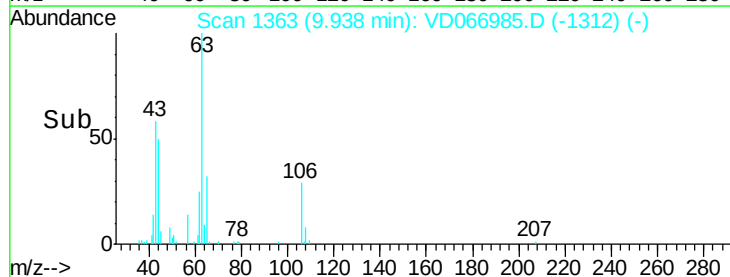
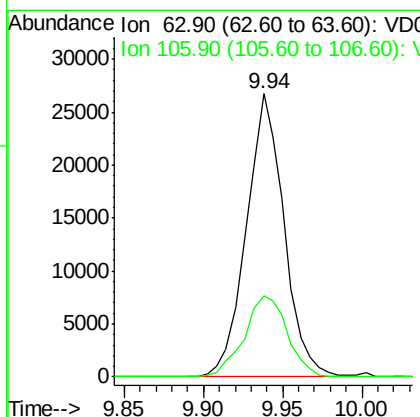
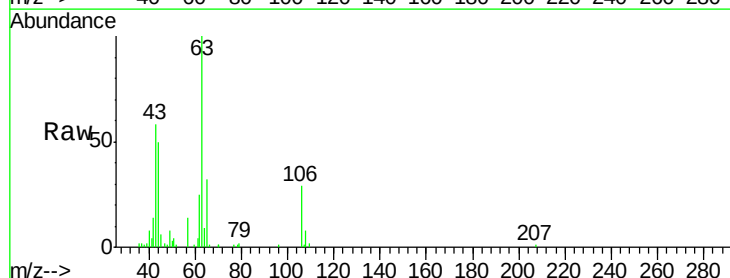
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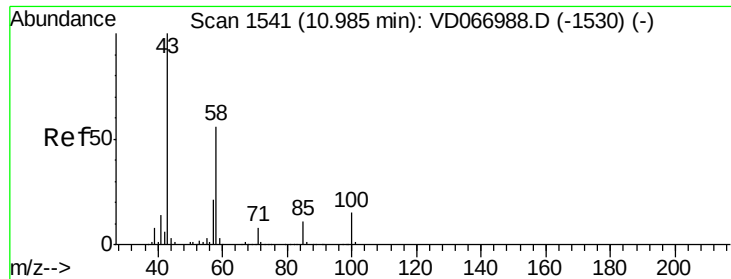
MMDadoda
 10/2/2020 3:13:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.922 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.6	25.3	37.9





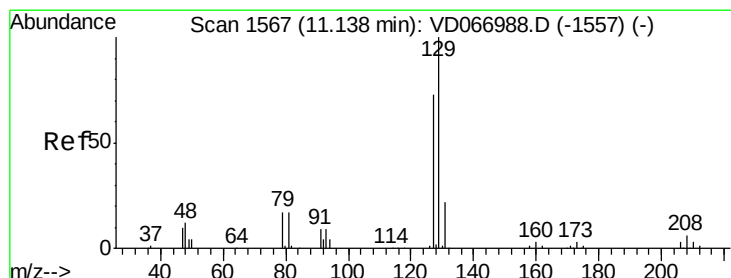
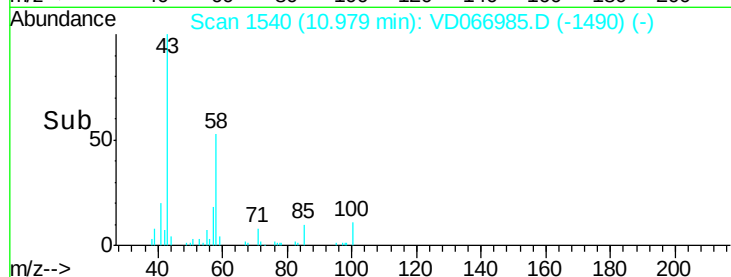
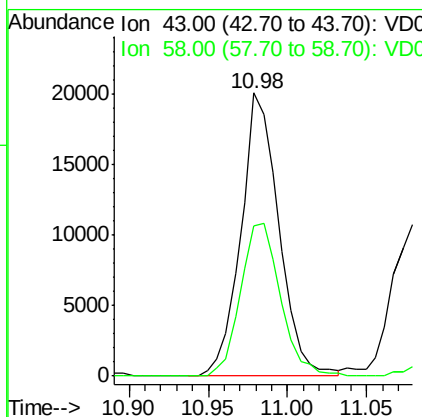
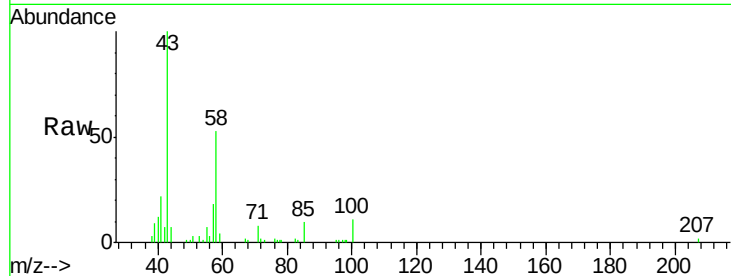
#59
2-Hexanone
Concen: 23.534 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 33461
Ion Ratio Lower Upper
43 100
58 56.7 28.3 84.9

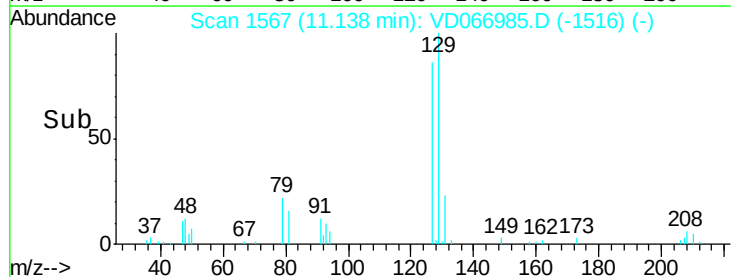
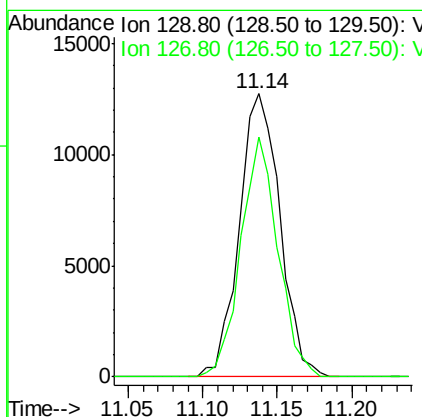
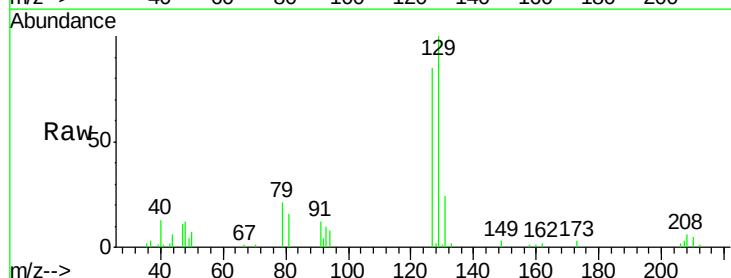
Manual Integrations
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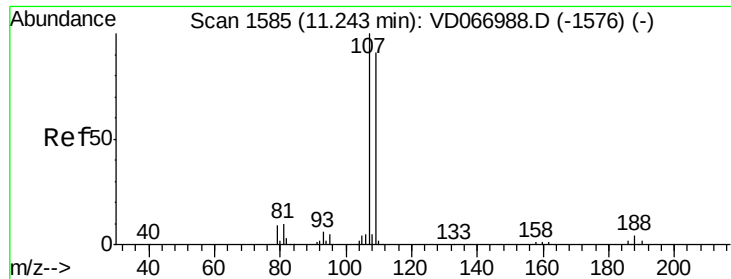
MMDadoda
10/2/2020 3:13:14 PM



#60
Dibromochloromethane
Concen: 5.156 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion: 129 Resp: 24014
Ion Ratio Lower Upper
129 100
127 77.3 37.4 112.1





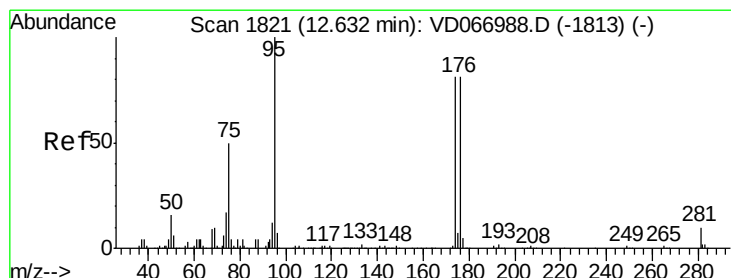
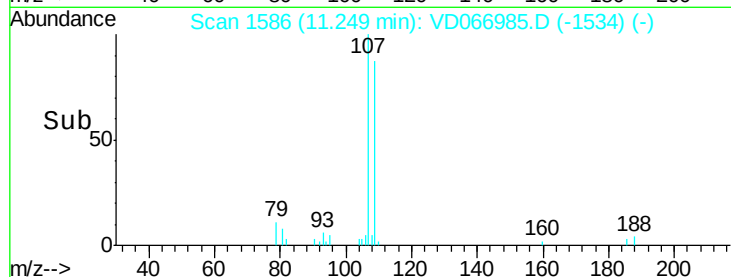
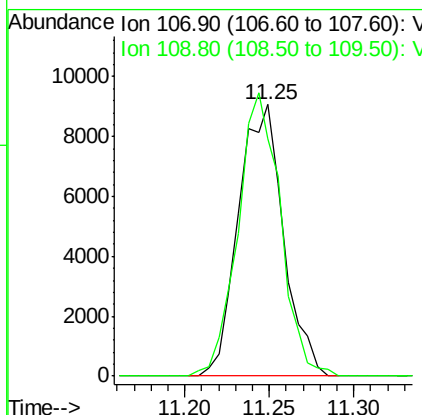
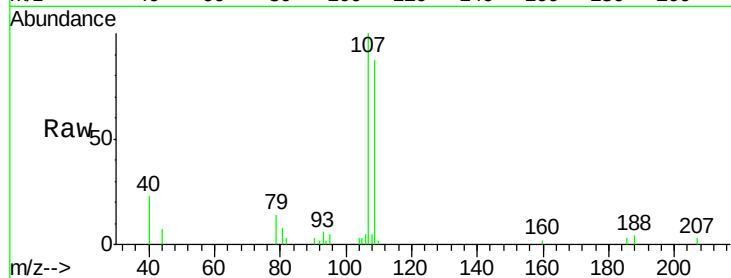
#61
 1,2-Dibromoethane
 Concen: 4.997 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 16776
 Ion Ratio Lower Upper
 107 100
 109 98.8 74.0 111.0

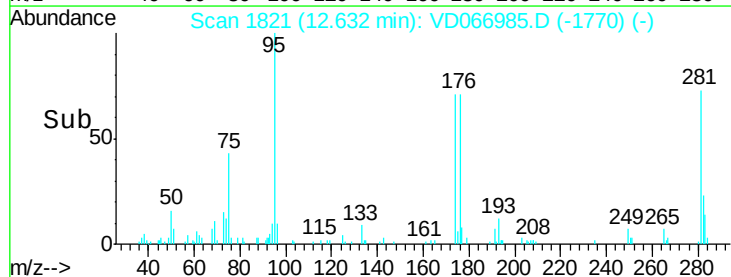
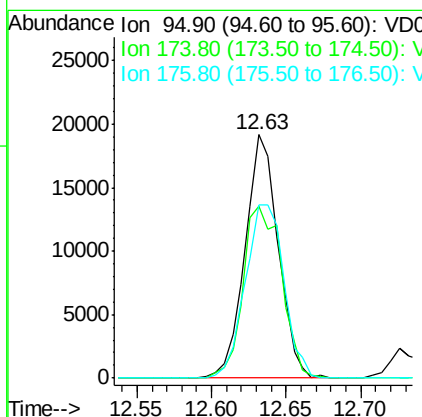
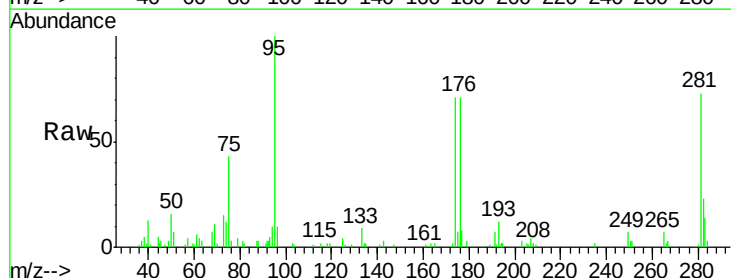
Manual Integrations
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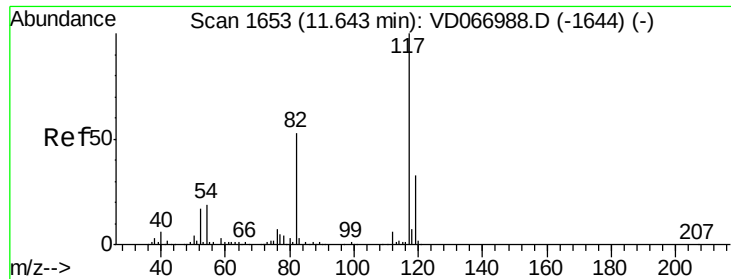
MMDadoda
 10/2/2020 3:13:14 PM



#62
 4-Bromofluorobenzene
 Concen: 5.048 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Tgt Ion: 95 Resp: 29392
 Ion Ratio Lower Upper
 95 100
 174 82.3 0.0 167.6
 176 83.2 0.0 162.4





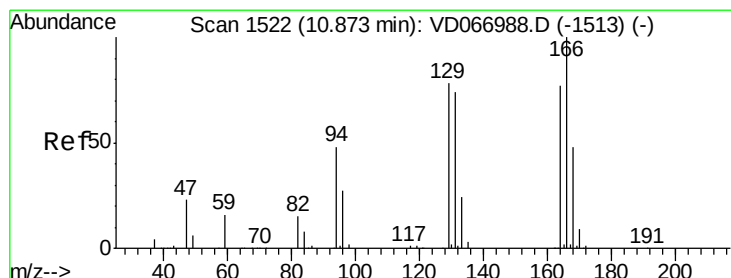
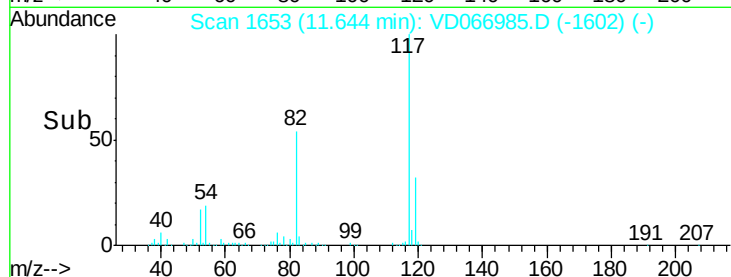
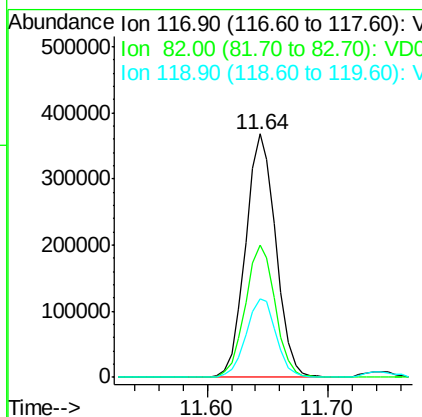
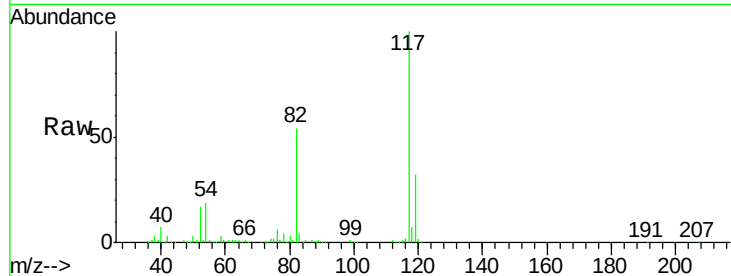
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.6	63.8
119	32.0	26.3	39.5

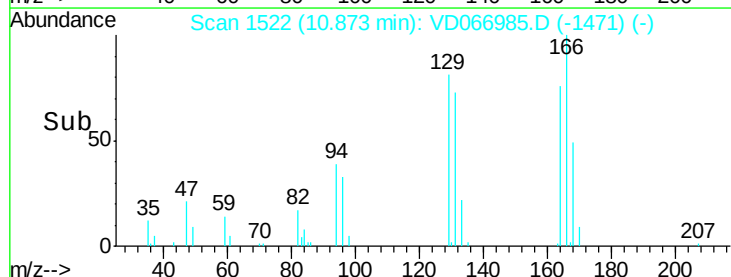
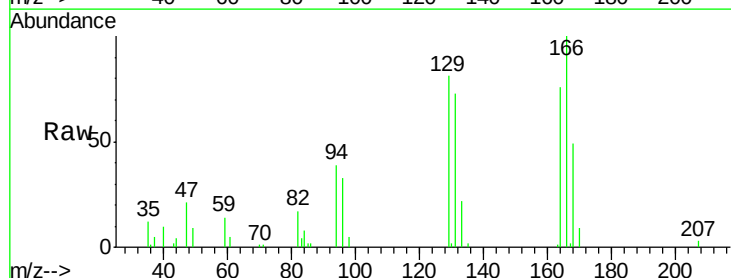
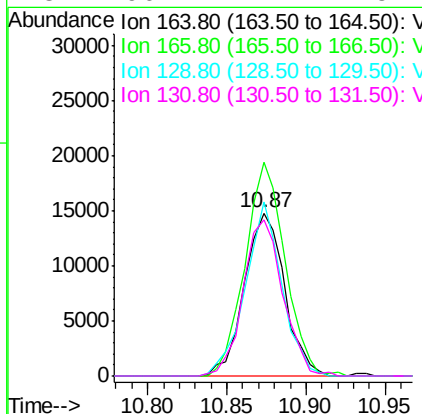
Manual Integrations
APPROVED

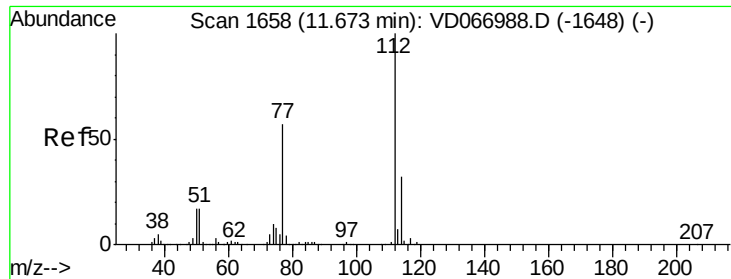
MMDadoda
10/2/2020 3:13:14 PM



#64
Tetrachloroethene
Concen: 5.609 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	104.4	156.6
129	107.0	81.3	121.9
131	96.4	77.1	115.7





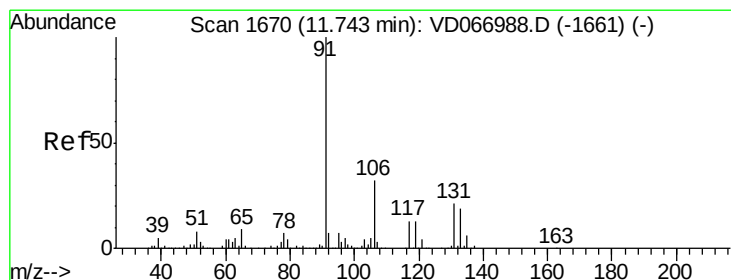
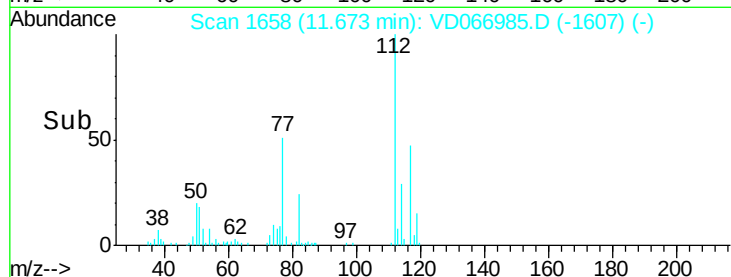
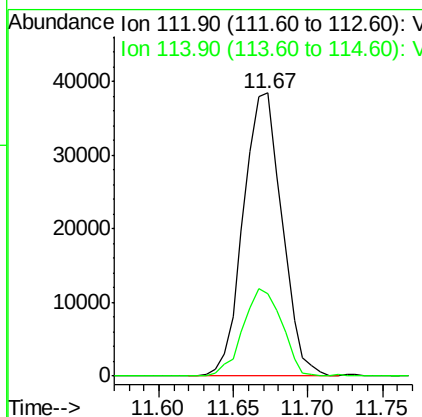
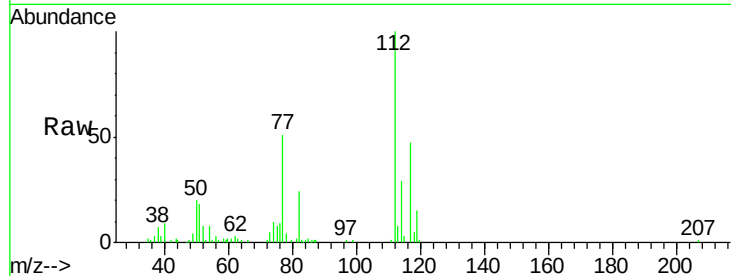
#65
Chlorobenzene
Concen: 5.404 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 68977
Ion Ratio Lower Upper
112 100
114 29.0 25.4 38.0

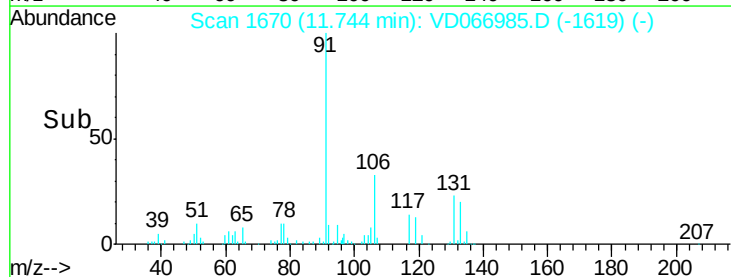
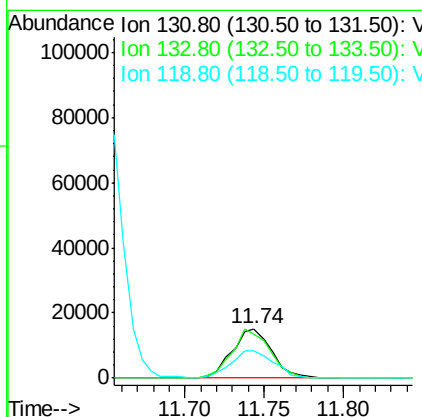
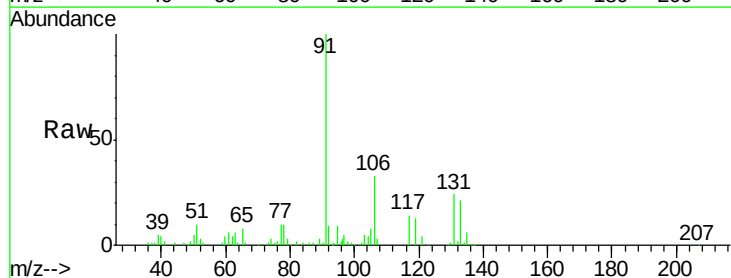
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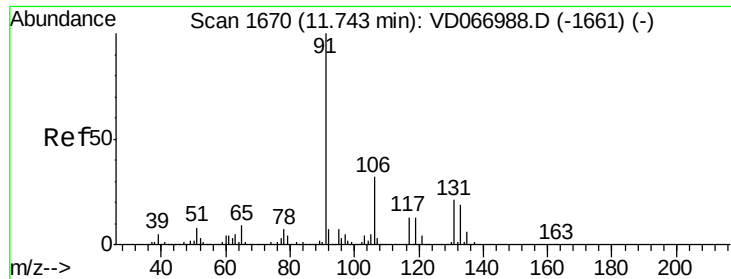
MMDadoda
10/2/2020 3:13:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.401 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion:131 Resp: 26220
Ion Ratio Lower Upper
131 100
133 94.9 47.8 143.3
119 60.2 32.3 96.8





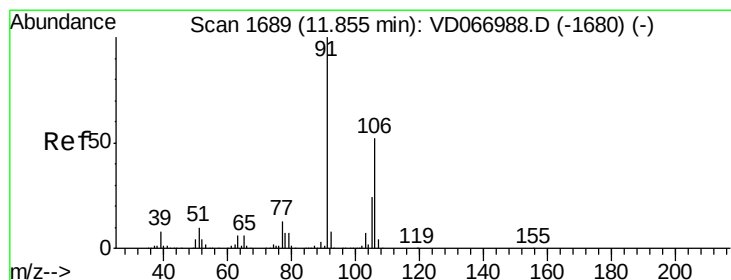
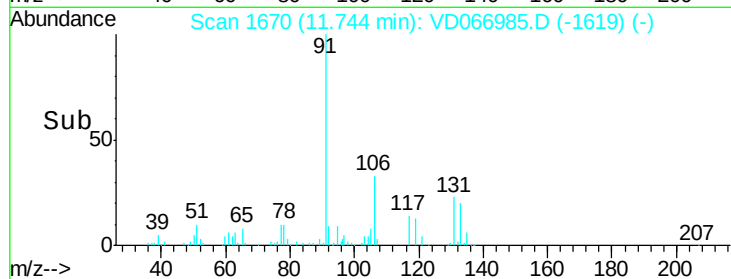
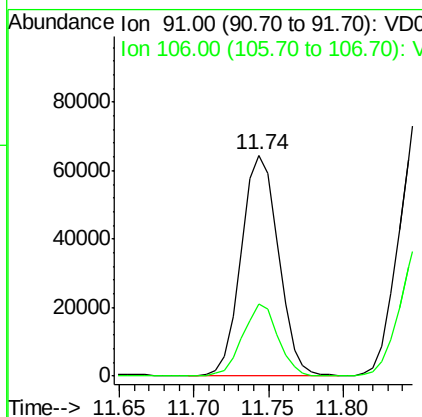
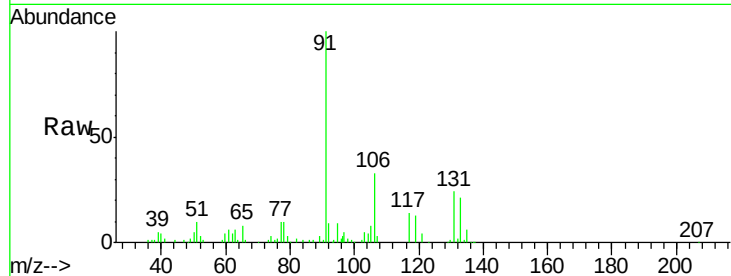
#67
Ethyl Benzene
Concen: 5.100 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 111522
Ion Ratio Lower Upper
91 100
106 32.6 25.4 38.2

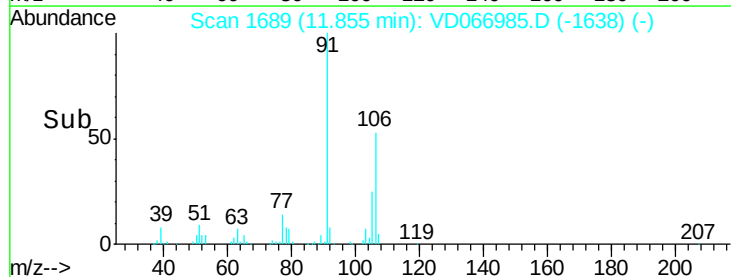
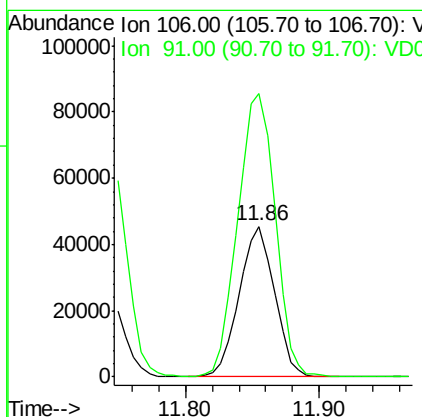
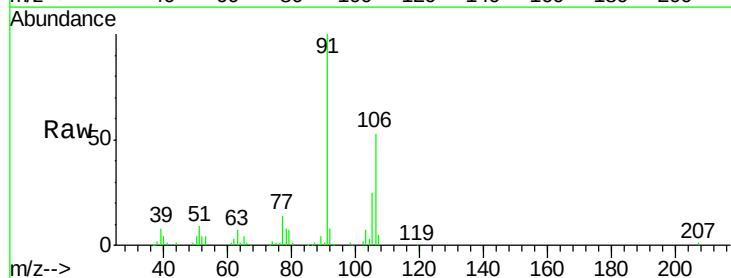
Manual Integrations
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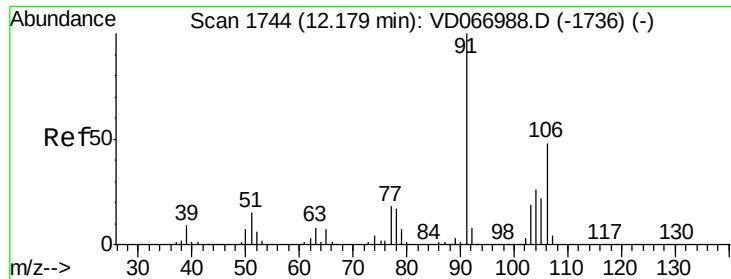
MMDadoda
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#68
m/p-Xylenes
Concen: 9.785 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion: 106 Resp: 83390
Ion Ratio Lower Upper
106 100
91 200.0 158.4 237.6





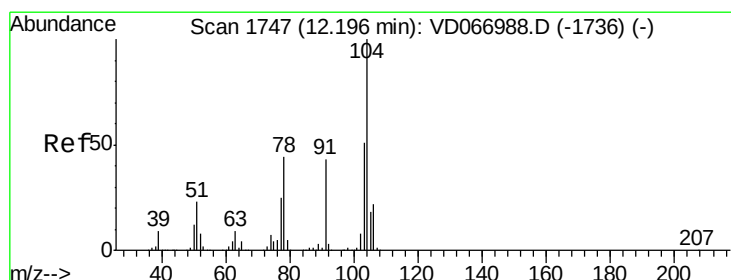
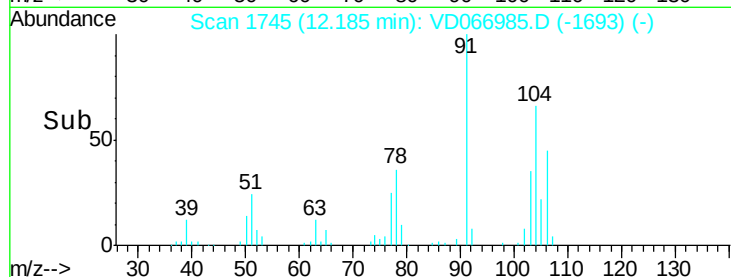
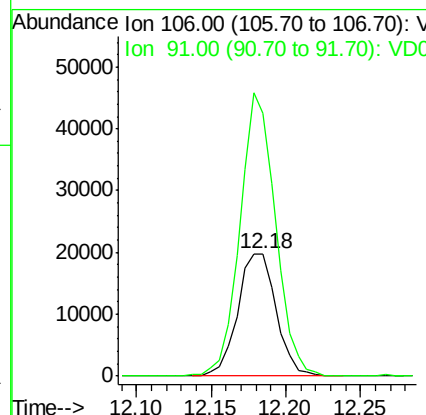
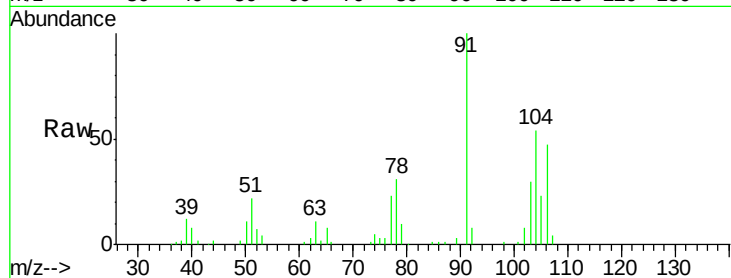
#69
o-Xylene
Concen: 4.656 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 35487
Ion Ratio Lower Upper
106 100
91 212.9 102.4 307.2

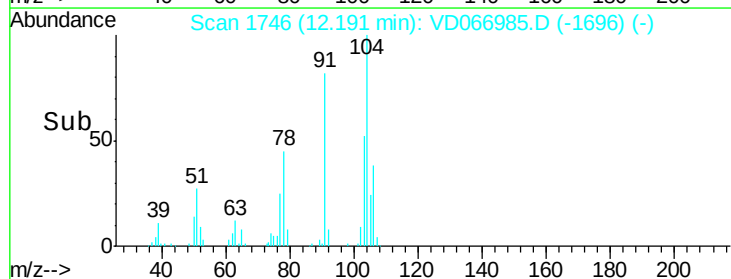
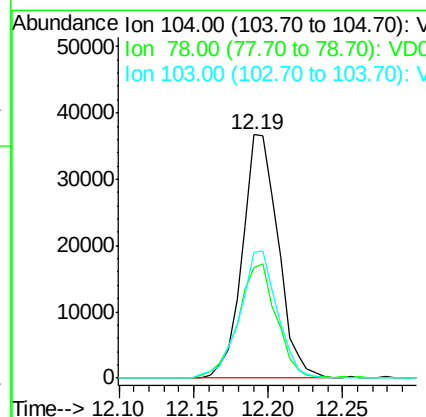
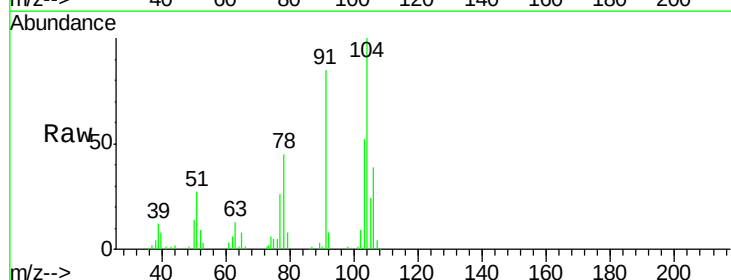
Manual Integrations
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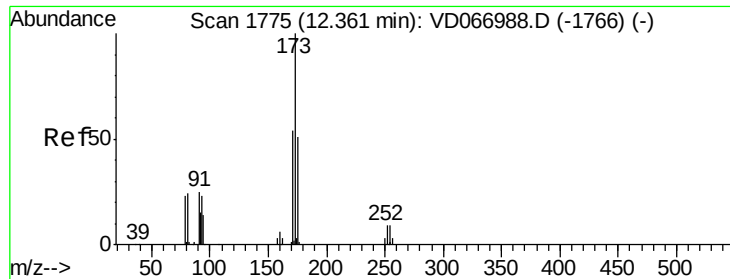
MMDadoda
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#70
Styrene
Concen: 4.643 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion:104 Resp: 60761
Ion Ratio Lower Upper
104 100
78 50.6 38.6 58.0
103 55.3 43.4 65.0





#71

Bromoform

Concen: 5.516 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 13900

Ion Ratio Lower Upper

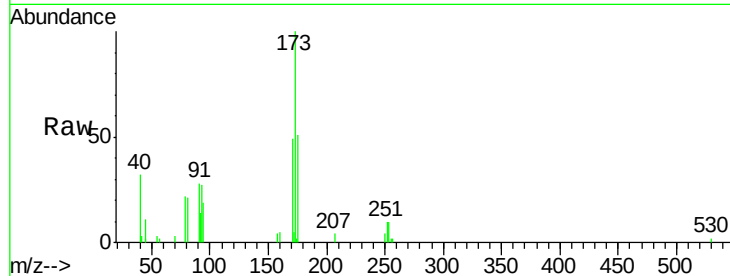
173 100

175 49.5 24.9 74.7

254 0.0 0.2 0.4#

Manual Integrations
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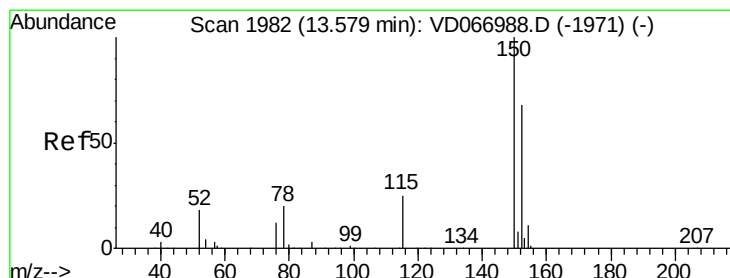
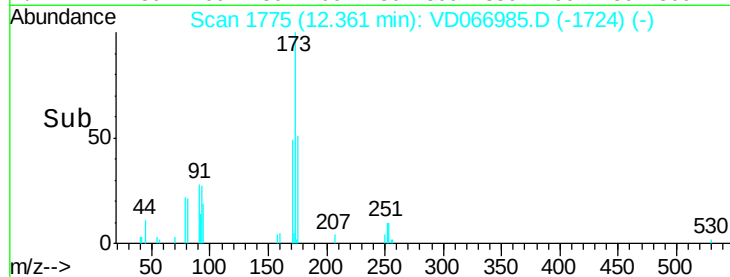
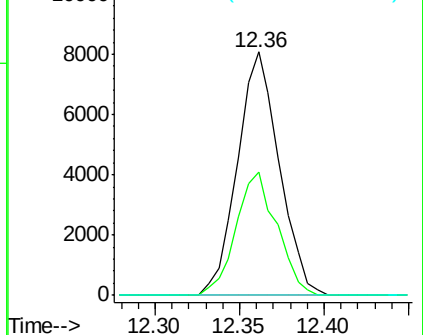
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

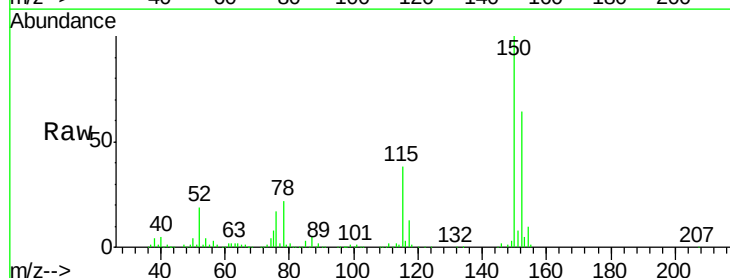
Tgt Ion:152 Resp: 309238

Ion Ratio Lower Upper

152 100

115 59.3 29.6 88.8

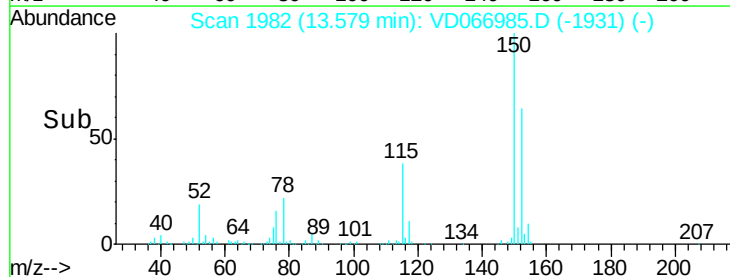
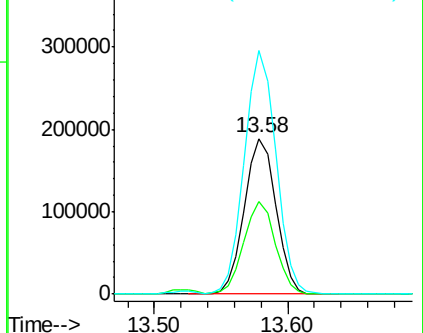
150 156.8 0.0 344.8

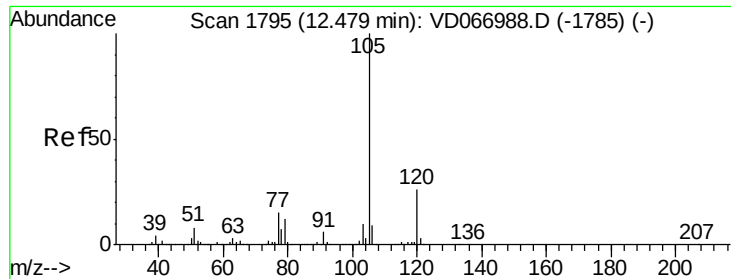


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





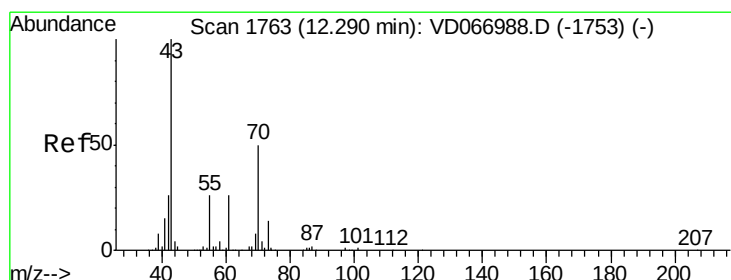
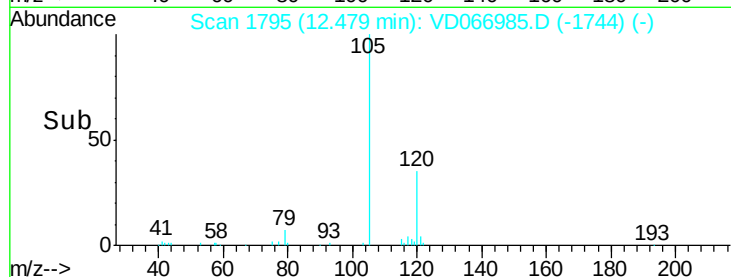
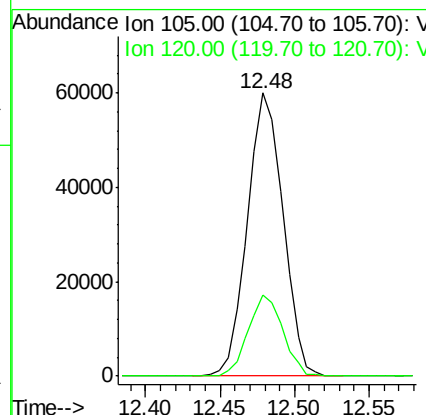
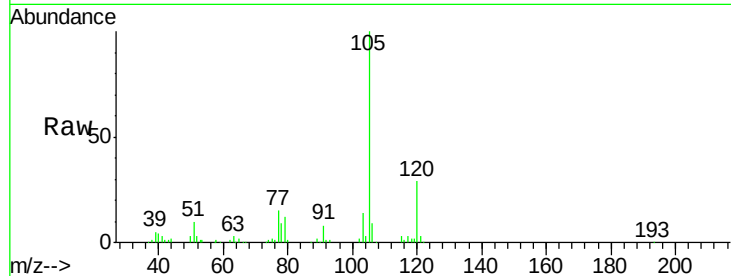
#73
Isopropylbenzene
Concen: 4.723 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.3	39.9

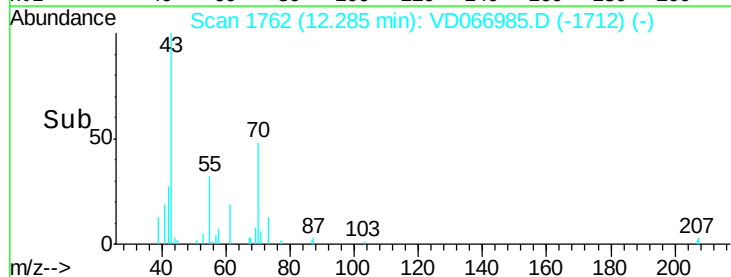
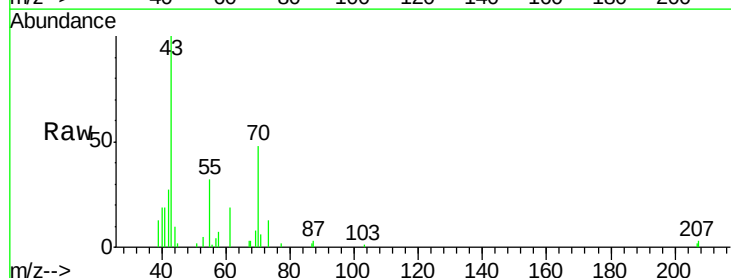
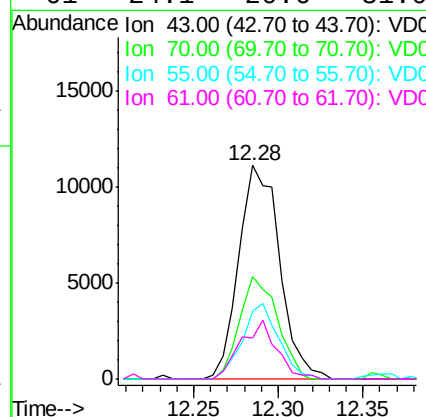
Manual Integrations
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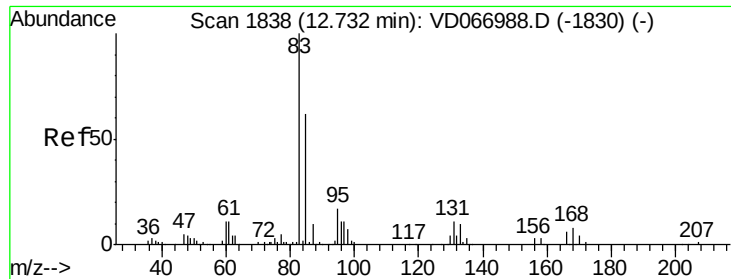
MMDadoda
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#74
N-ethyl acetate
Concen: 4.946 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.6	38.2	57.2
55	31.6	22.4	33.6
61	24.1	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.300 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

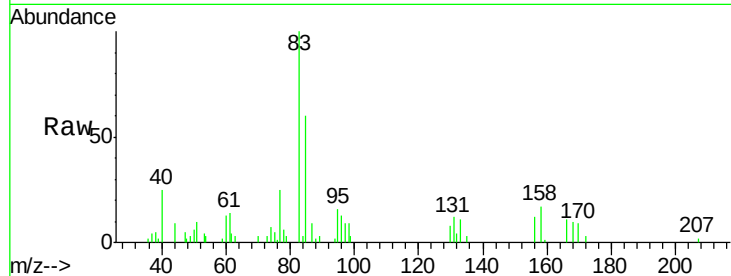
ClientSampleId :

VSTDIC005

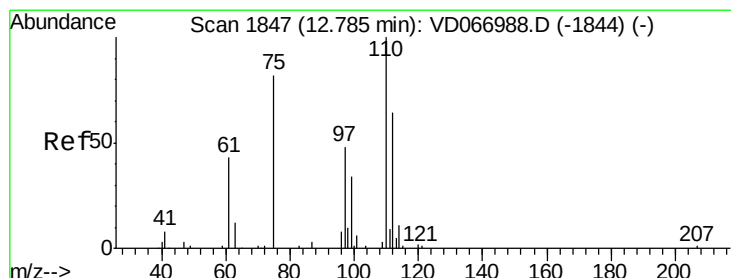
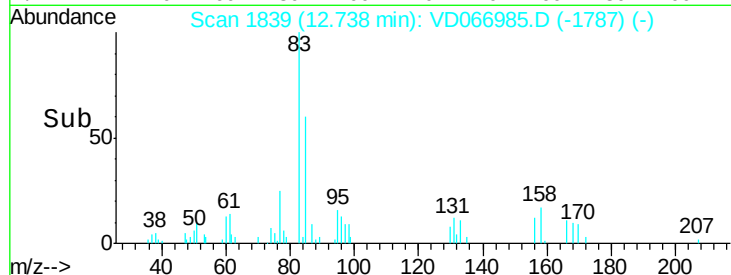
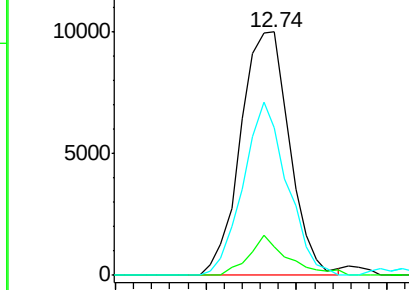
Tot Ion:	83	Resp:	18752
Ion Ratio	Lower	Upper	
83	100		
131	13.0	5.7	17.0
85	64.2	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 5.087 ug/l m

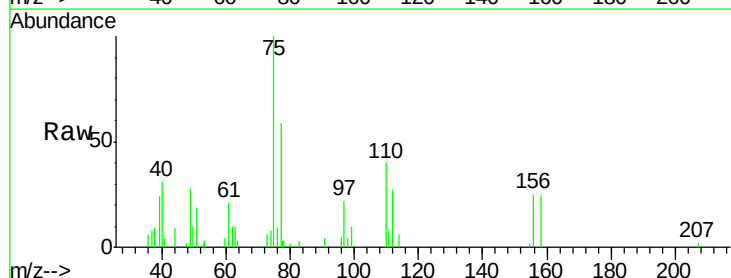
RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

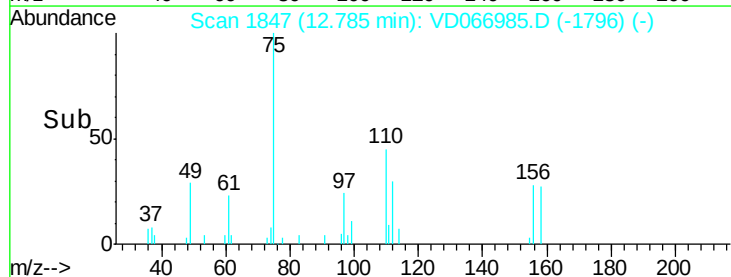
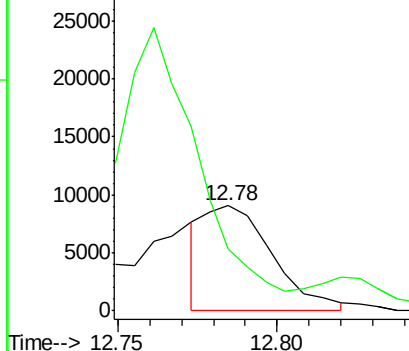
Lab File: VD066985.D

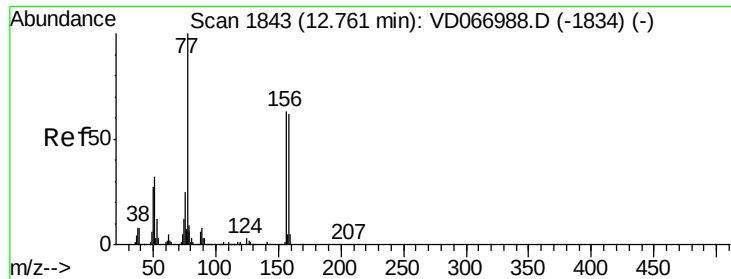
Acq: 01 Oct 2020 11:00

Tgt Ion:	75	Resp:	13409
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 5.246 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 26600

Ion Ratio Lower Upper

156 100

77 166.3 86.3 258.8

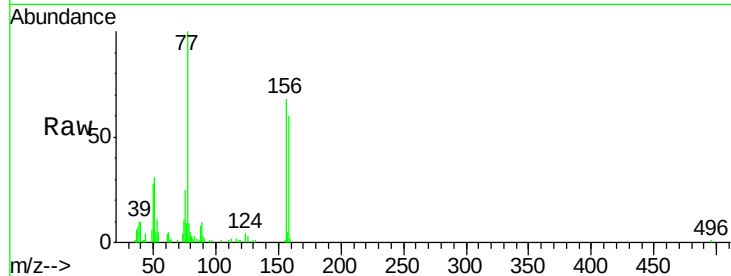
158 93.3 49.5 148.3

Manual Integrations

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MMDadoda

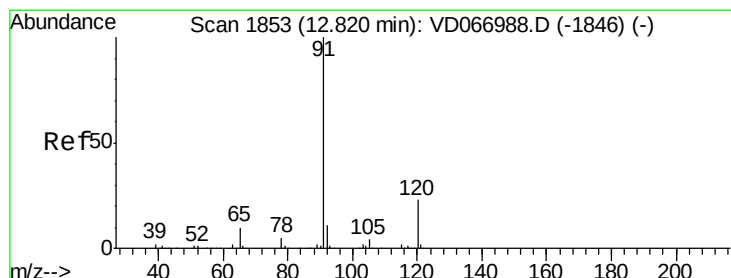
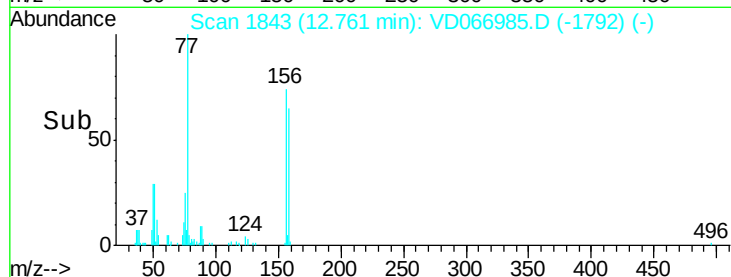
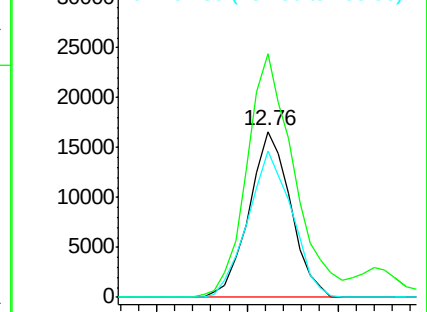
10/2/2020 3:13:14 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.807 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066985.D

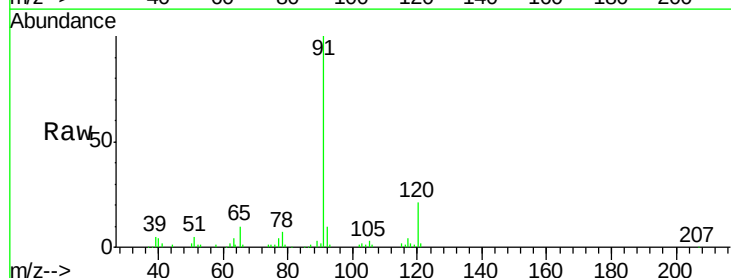
Acq: 01 Oct 2020 11:00

Tgt Ion: 91 Resp: 119287

Ion Ratio Lower Upper

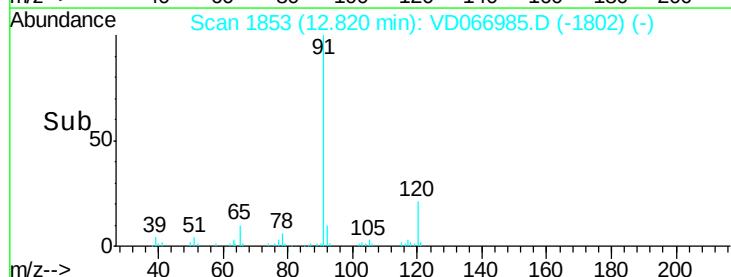
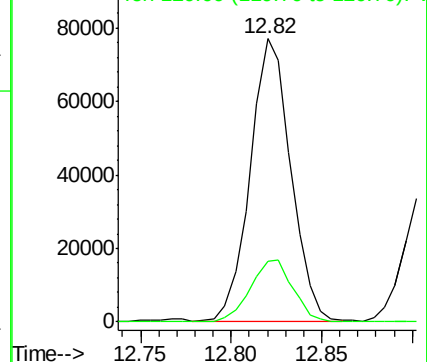
91 100

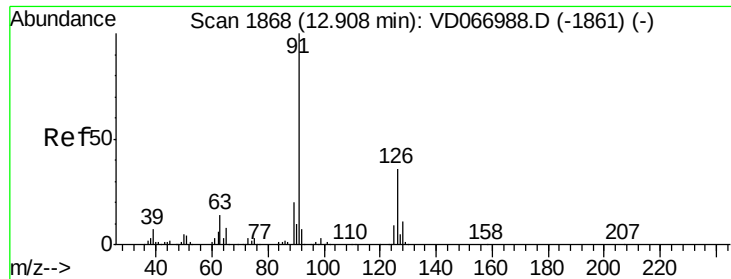
120 22.8 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





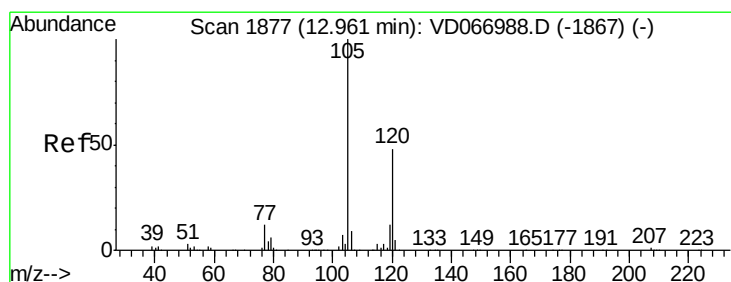
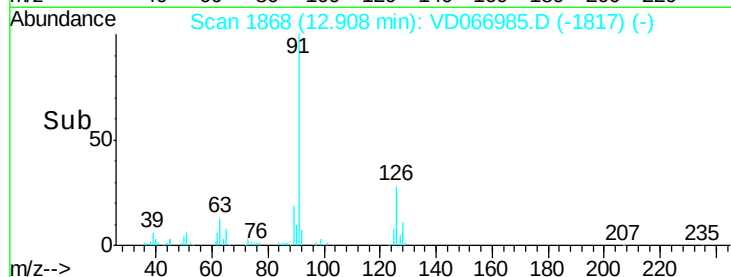
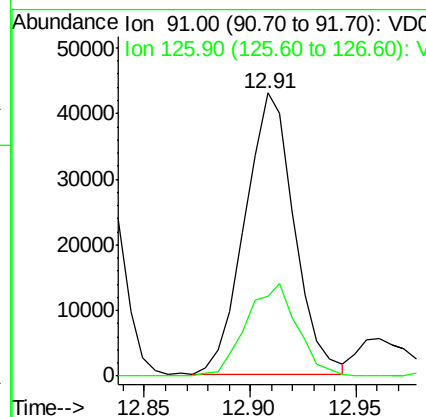
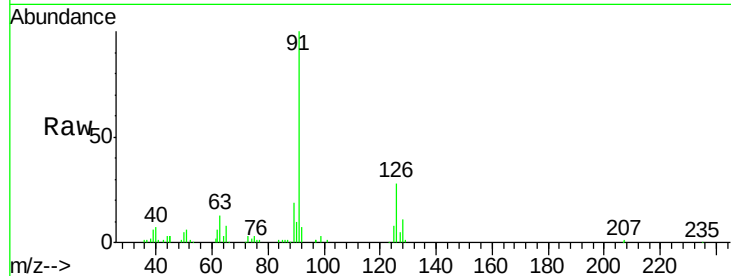
#79
2-Chlorotoluene
Concen: 4.925 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 69932
Ion Ratio Lower Upper
91 100
126 33.7 17.5 52.6

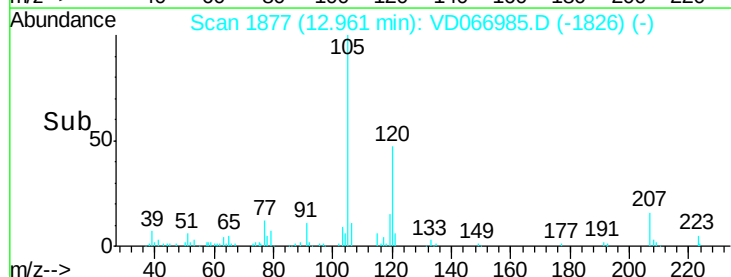
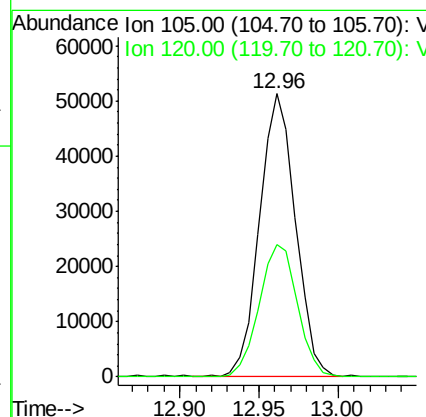
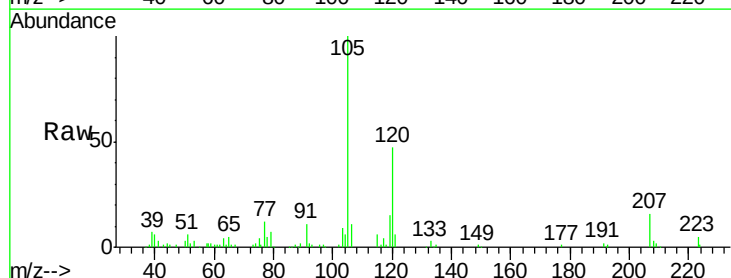
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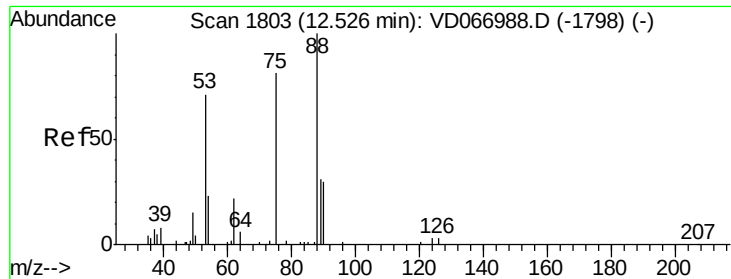
MMDadoda
10/2/2020 3:13:14 PM



#80
1,3,5-Trimethylbenzene
Concen: 4.563 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion: 105 Resp: 80946
Ion Ratio Lower Upper
105 100
120 49.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 5.113 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

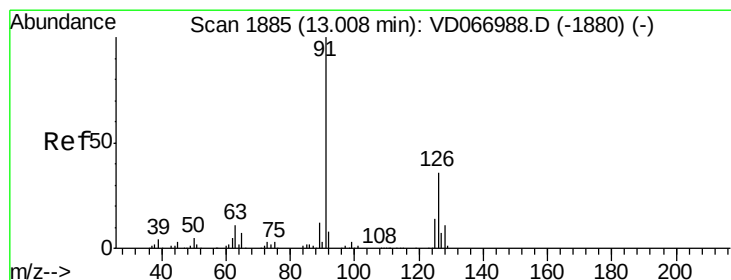
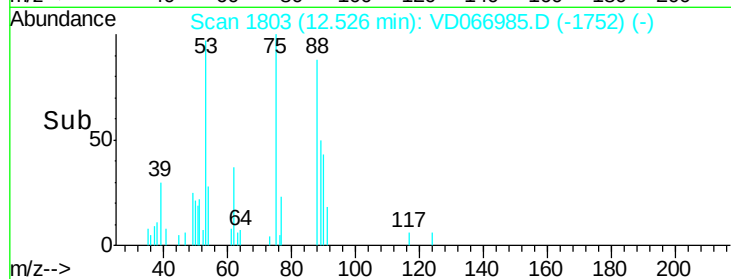
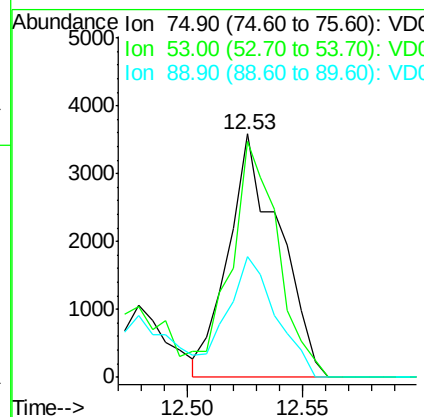
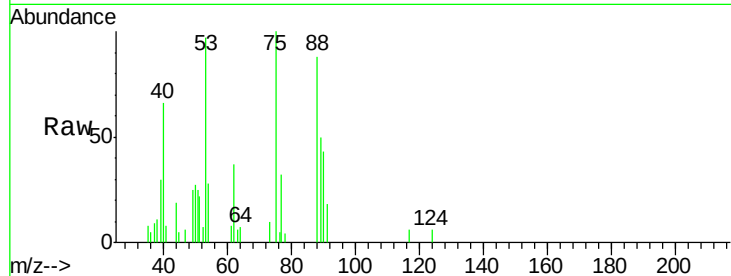
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	5524
Ion	Ratio	Lower	Upper
75	100		
53	89.0	73.8	110.6
89	48.1	38.9	58.3

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#82

4-Chlorotoluene

Concen: 5.024 ug/l

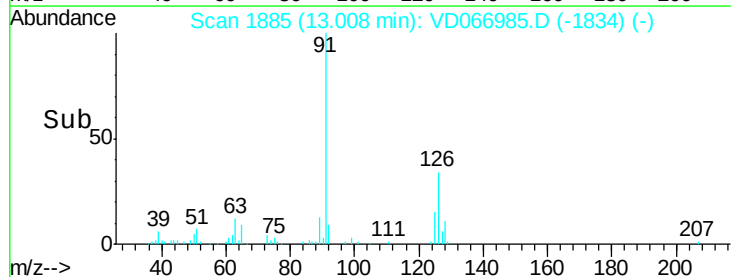
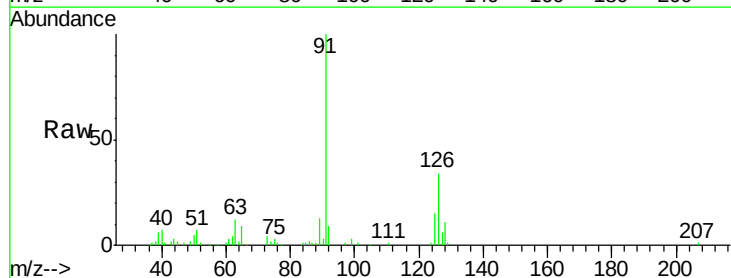
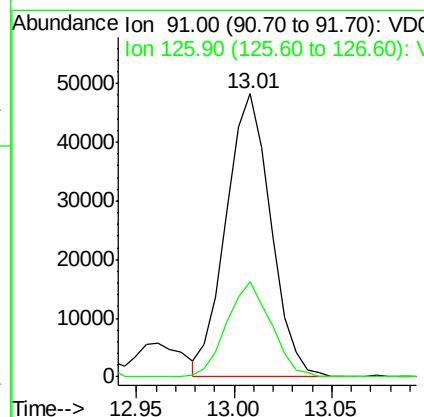
RT: 13.01 min Scan# 1885

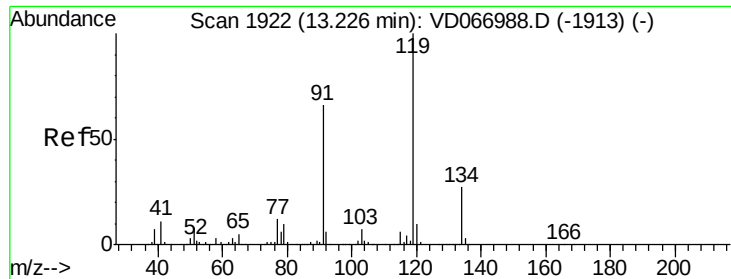
Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Tgt Ion:	91	Resp:	75893
Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.5	52.5





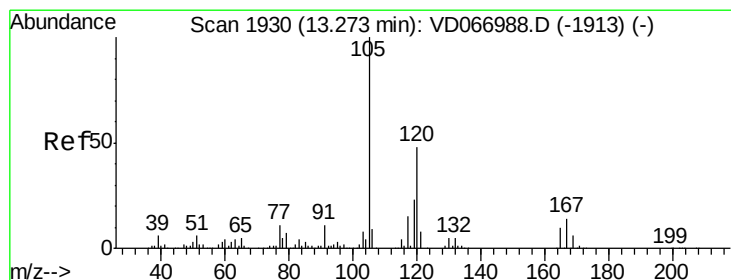
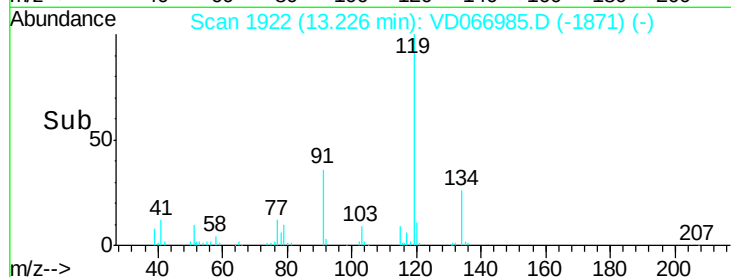
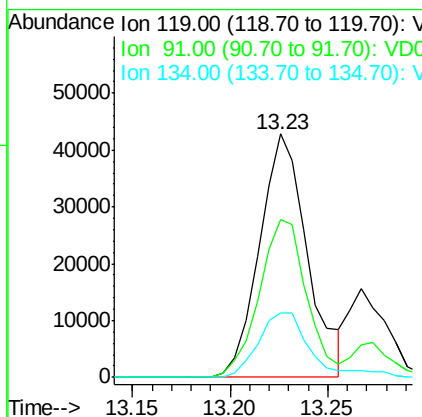
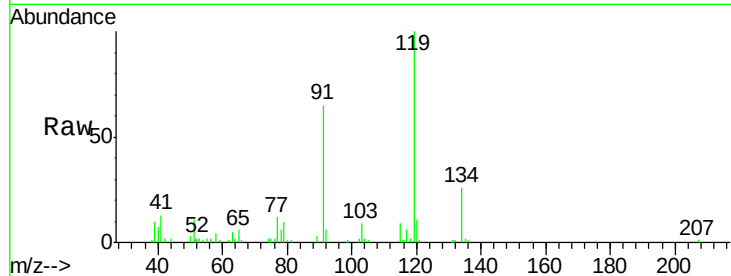
#83
tert-Butylbenzene
Concen: 4.873 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.8	98.3
134	29.0	13.9	41.7

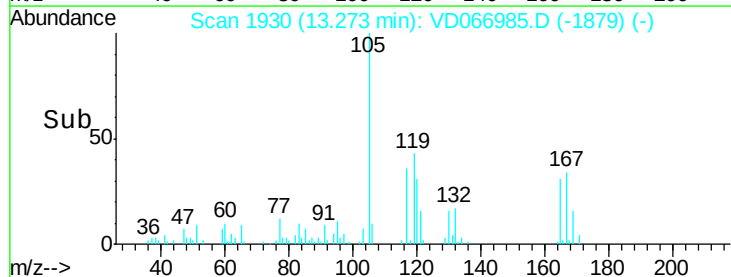
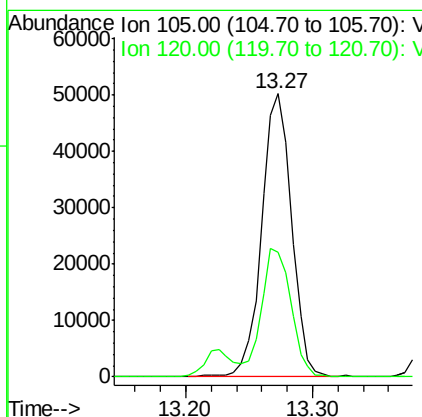
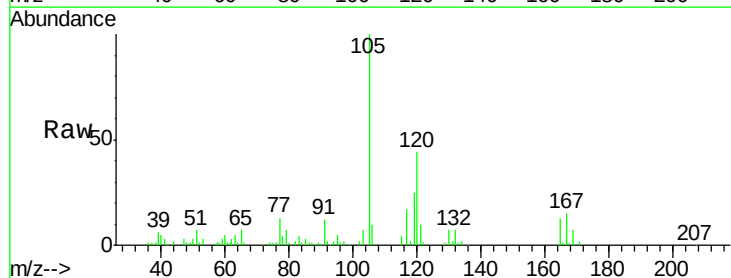
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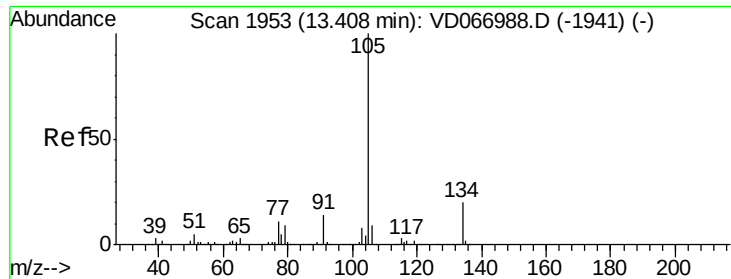
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.665 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.3	69.8





#85

sec-Butylbenzene

Concen: 4.883 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 102733

Ion Ratio Lower Upper

105 100

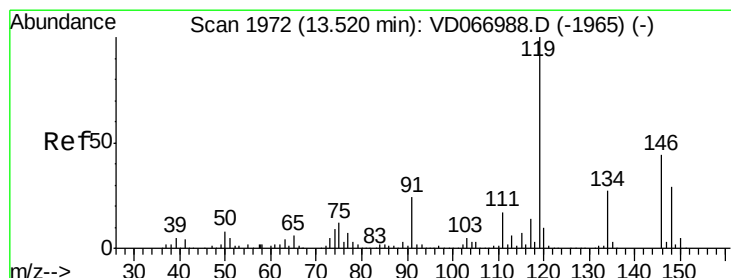
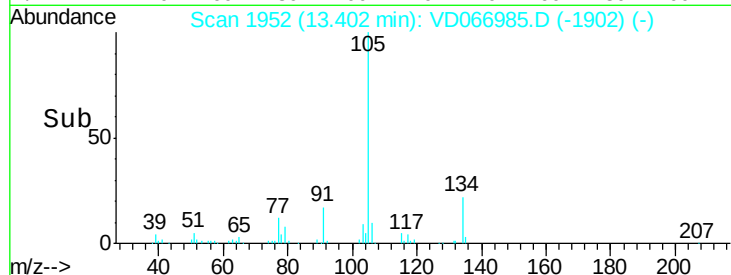
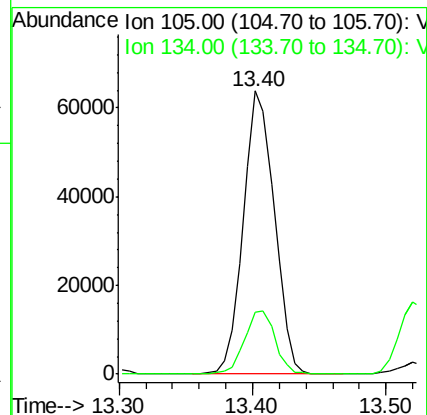
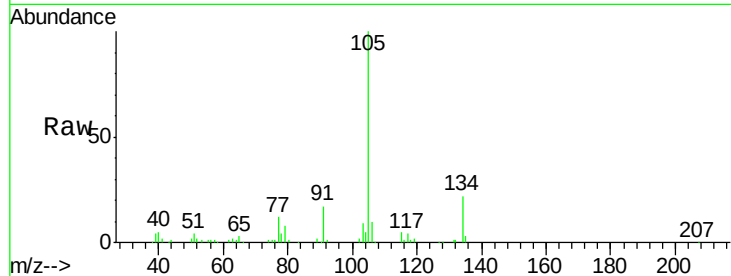
134 21.8 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 4.714 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066985.D

Acq: 01 Oct 2020 11:00

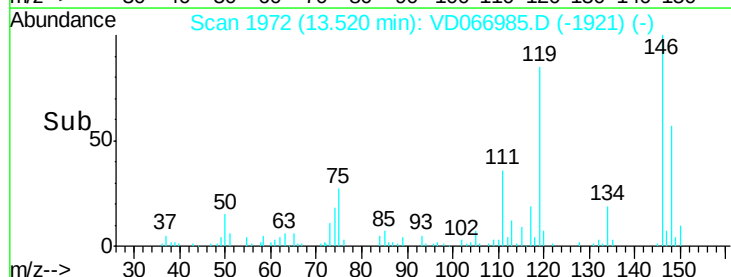
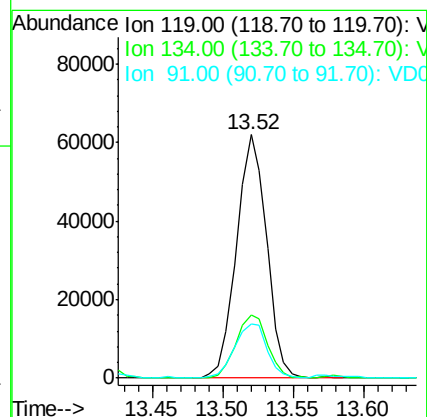
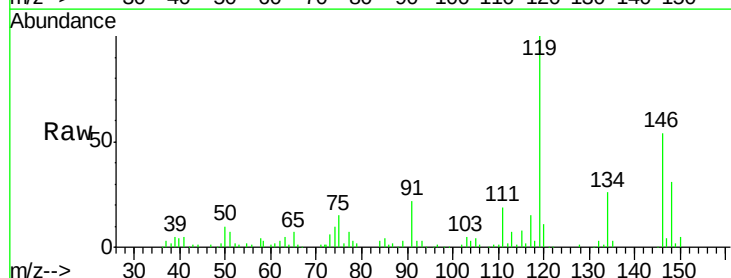
Tgt Ion:119 Resp: 91948

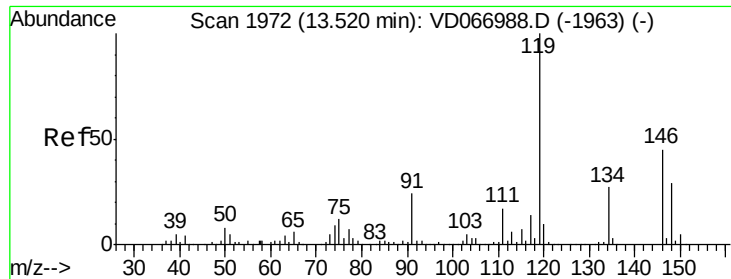
Ion Ratio Lower Upper

119 100

134 27.3 13.1 39.1

91 24.2 11.7 35.1





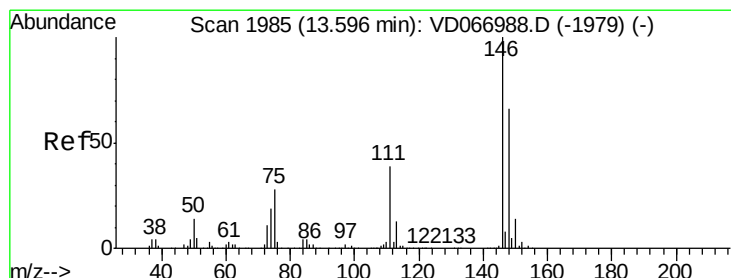
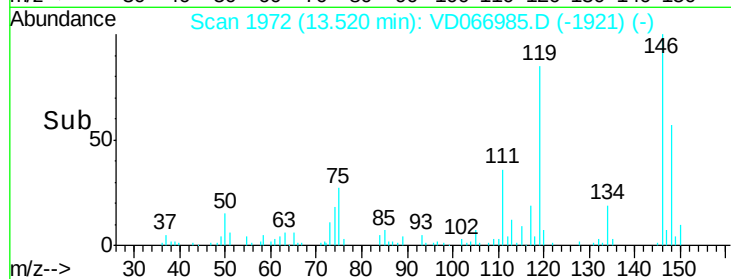
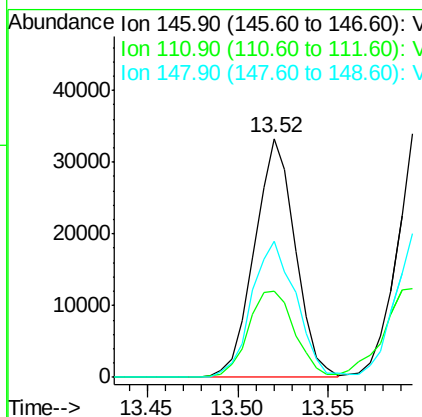
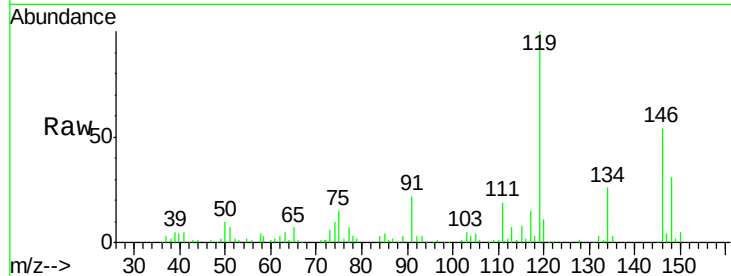
#87
 1,3-Dichlorobenzene
 Concen: 5.251 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.0	60.0
148	62.5	31.9	95.9

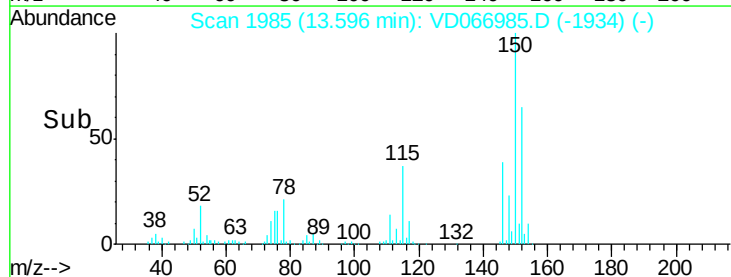
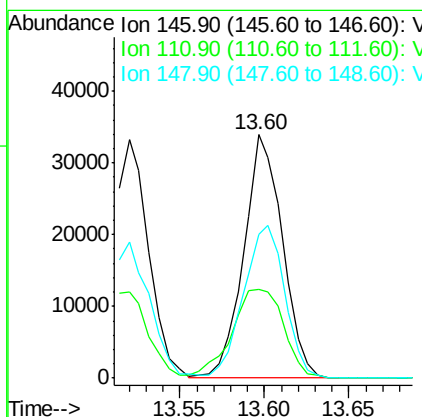
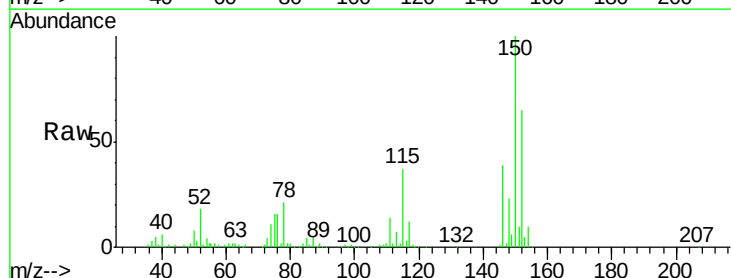
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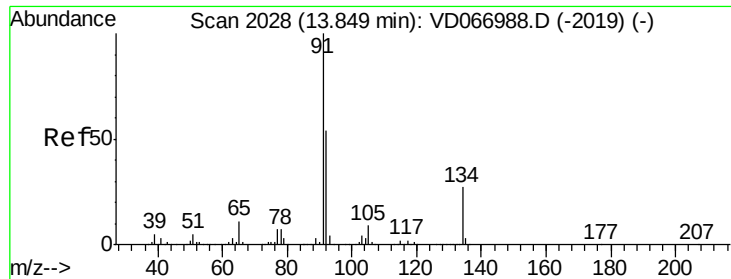
MMDadoda
 10/2/2020 3:13:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.486 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.6	19.6	58.7
148	66.8	32.6	97.7





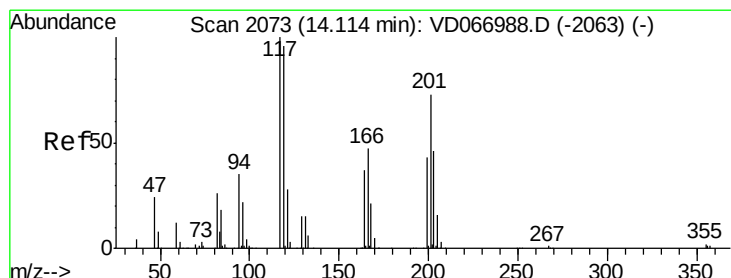
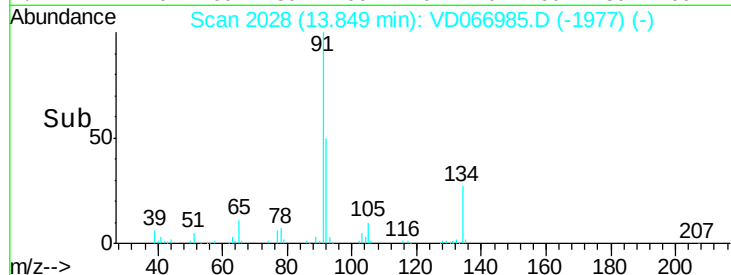
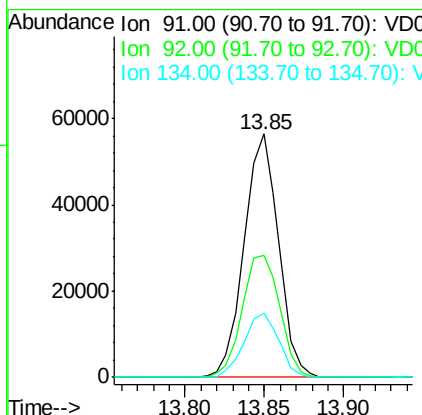
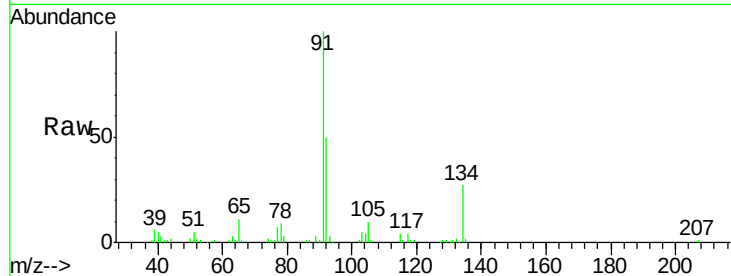
#89
n-Butylbenzene
Concen: 4.776 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.2
134	26.8	13.6	40.8

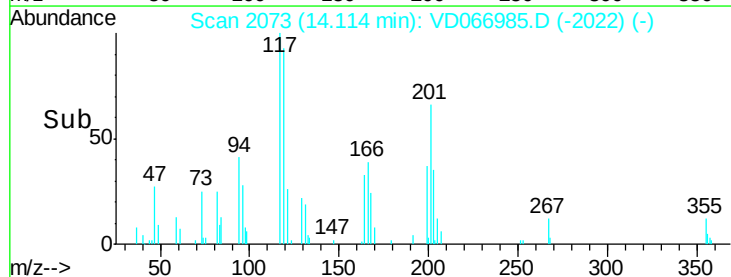
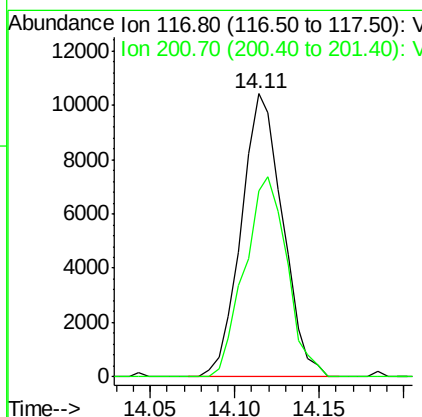
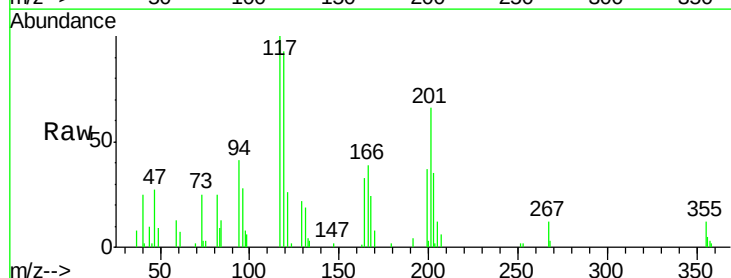
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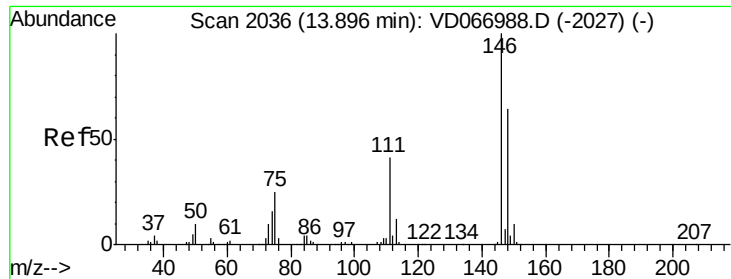
MMDadoda
10/2/2020 3:13:14 PM



#90
Hexachloroethane
Concen: 5.216 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.3	37.0	110.9





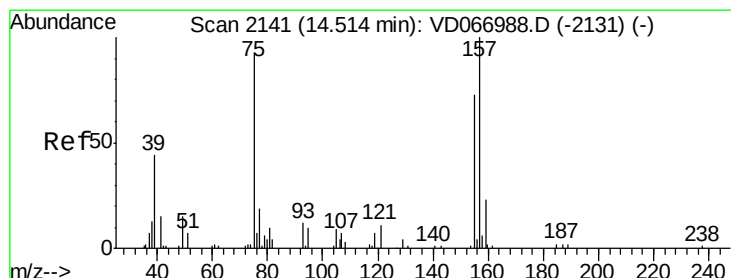
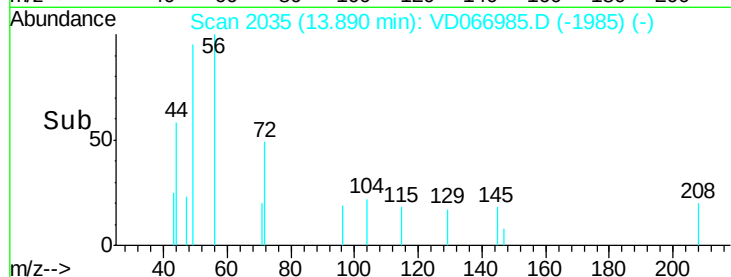
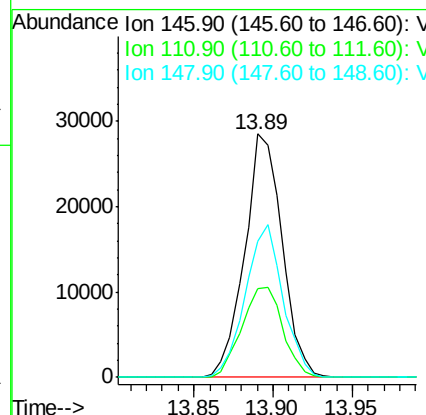
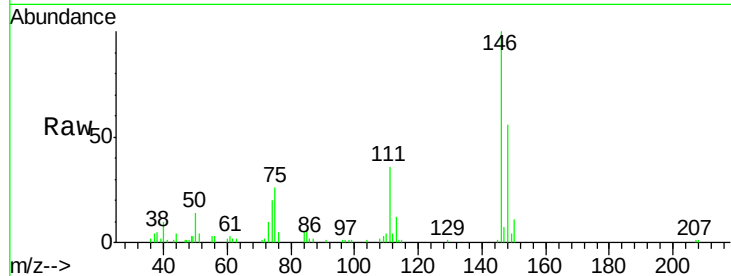
#91
1,2-Dichlorobenzene
Concen: 5.433 ug/l
RT: 13.89 min Scan# 2035
Delta R.T. -0.01 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.9	62.7
148	62.7	32.3	96.9

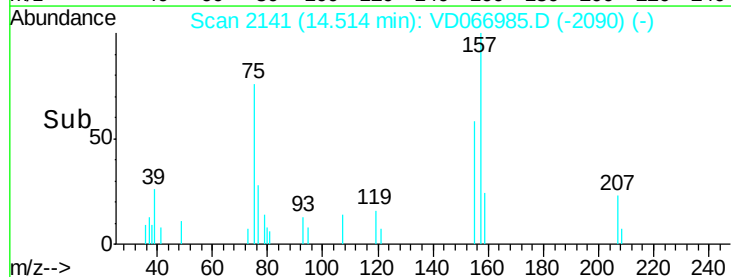
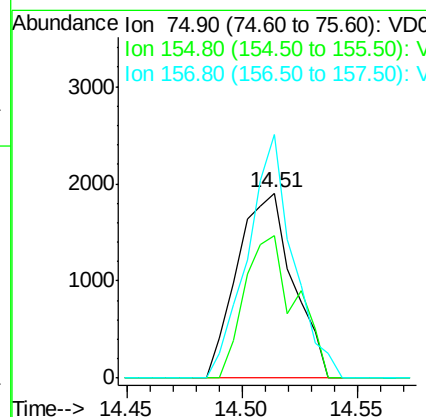
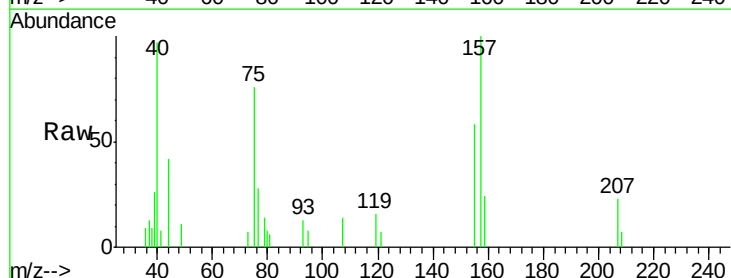
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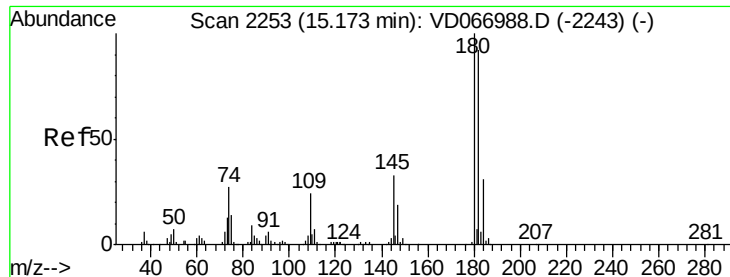
MMDadoda
10/2/2020 3:13:14 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.608 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.3	45.2	135.6
157	107.8	56.3	168.8





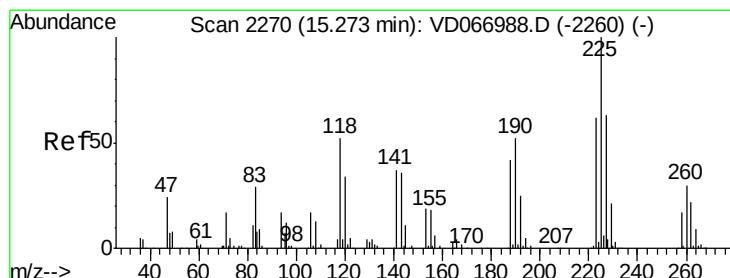
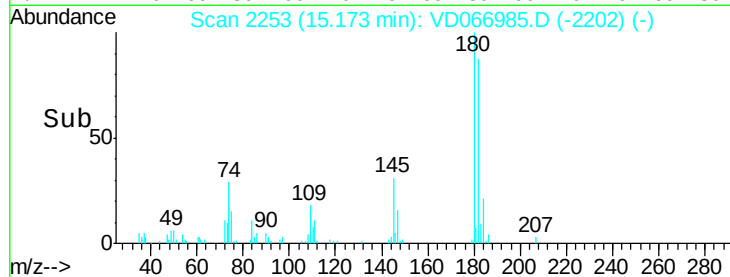
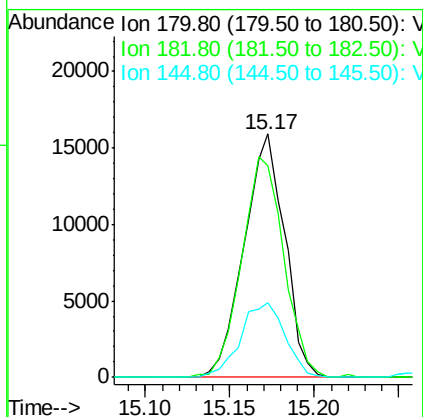
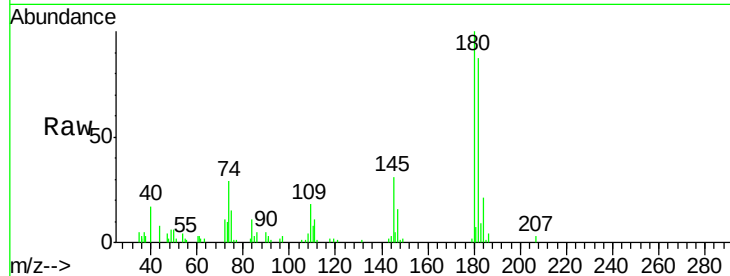
#93
 1,2,4-Trichlorobenzene
 Concen: 4.760 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	26557		
182	94.2	47.3	142.0	
145	33.8	16.4	49.1	

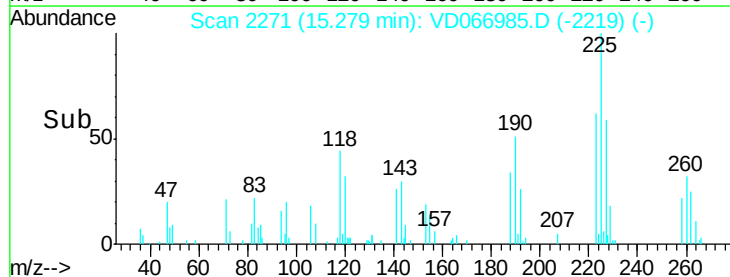
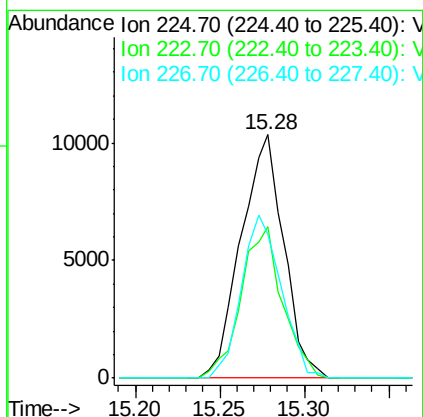
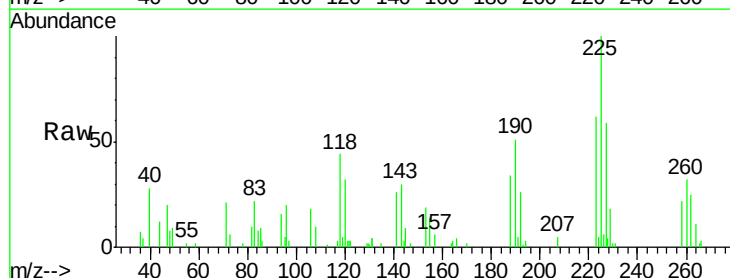
Manual Integrations
 APPROVED

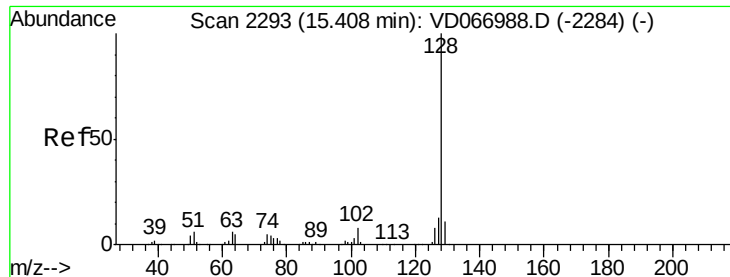
MMDadoda
 10/2/2020 3:13:14 PM



#94
 Hexachlorobutadiene
 Concen: 5.317 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066985.D
 Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18217		
223	60.3	32.4	97.0	
227	62.7	31.6	95.0	





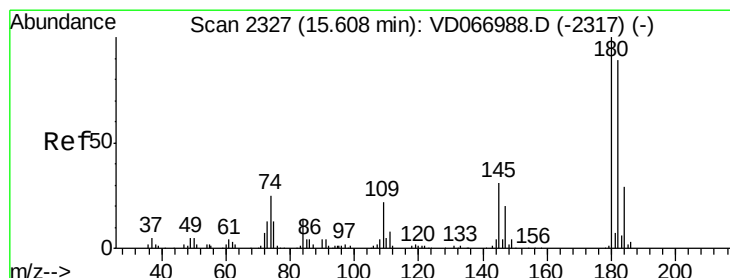
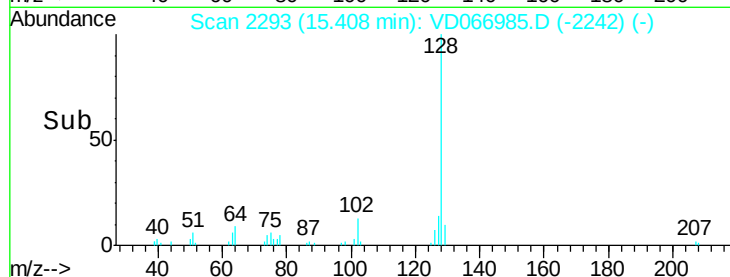
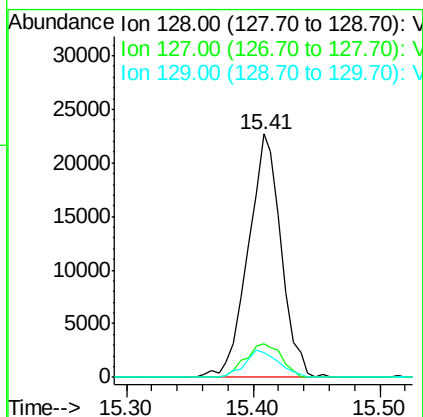
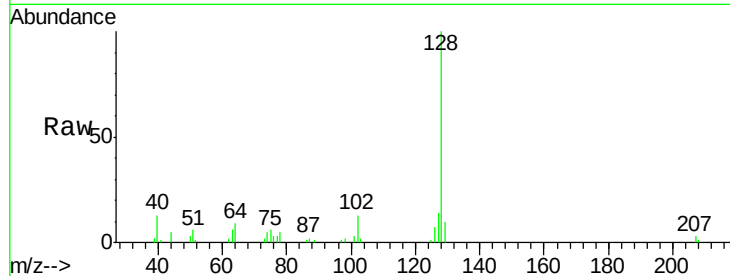
#95
Naphthalene
Concen: 4.401 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.706 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD066985.D
Acq: 01 Oct 2020 11:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.4	139.1
145	33.4	16.6	49.7

