

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066431.D
 Acq On : 27 Aug 2020 12:39
 Operator : VA/SY
 Sample : VD0827SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:19:00 PM

Quant Time: Aug 27 18:06:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	181552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	241269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	228668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	122865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	100934	56.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.42%	
35) Dibromofluoromethane	7.91	113	81494	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
50) Toluene-d8	10.34	98	304059	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
62) 4-Bromofluorobenzene	12.63	95	110070	56.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	31110	20.156	ug/l	97
3) Chloromethane	2.21	50	17673	16.154	ug/l	96
4) Vinyl Chloride	2.35	62	21224	18.068	ug/l	96
5) Bromomethane	2.76	94	17617	20.051	ug/l	98
6) Chloroethane	2.91	64	13919	18.505	ug/l	94
7) Trichlorofluoromethane	3.27	101	64686	20.251	ug/l	97
8) Diethyl Ether	3.70	74	11737	16.400	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	29017	18.408	ug/l	96
10) Methyl Iodide	4.30	142	24988	13.898	ug/l #	90
11) Tert butyl alcohol	5.19	59	18080	161.694	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	26303	17.776	ug/l	99
13) Acrolein	3.91	56	5228	66.144	ug/l	95
14) Allyl chloride	4.71	41	30954	15.673	ug/l	87
15) Acrylonitrile	5.43	53	22479	78.283	ug/l	98
16) Acetone	4.15	43	29170	90.903	ug/l	98
17) Carbon Disulfide	4.41	76	71419	15.926	ug/l	99
18) Methyl Acetate	4.71	43	9753	16.194	ug/l #	88
19) Methyl tert-butyl Ether	5.47	73	65224	18.306	ug/l #	91
20) Methylene Chloride	4.96	84	33930	15.406	ug/l #	89
21) trans-1,2-Dichloroethene	5.46	96	29308	17.015	ug/l	97
22) Diisopropyl ether	6.36	45	63983	16.732	ug/l	96
23) Vinyl Acetate	6.30	43	191953	81.087	ug/l #	93
24) 1,1-Dichloroethane	6.26	63	46191	17.093	ug/l	94
25) 2-Butanone	7.20	43	29832	81.890	ug/l	92
26) 2,2-Dichloropropane	7.20	77	58205	20.096	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	32064	17.373	ug/l	94
28) Bromochloromethane	7.54	49	15261	16.395	ug/l	90
29) Tetrahydrofuran	7.56	42	16490	79.695	ug/l	88
30) Chloroform	7.71	83	58403	18.680	ug/l	96
31) Cyclohexane	7.98	56	41848	16.933	ug/l #	85
32) 1,1,1-Trichloroethane	7.90	97	65284	20.402	ug/l	98
36) 1,1-Dichloropropene	8.11	75	41790	18.983	ug/l	99
37) Ethyl Acetate	7.28	43	13382	17.873	ug/l #	66
38) Carbon Tetrachloride	8.09	117	65417	22.808	ug/l	97

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Manual Integrations
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MMDadoda
 8/28/2020 3:19:00 PM

Quant Time: Aug 27 18:06:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	48632	18.753	ug/l	93
40) Benzene	8.34	78	107904	18.632	ug/l	97
41) Methacrylonitrile	7.51	41	9908m	21.458	ug/l	
42) 1,2-Dichloroethane	8.42	62	43630	21.390	ug/l	99
43) Isopropyl Acetate	8.45	43	26131	17.388	ug/l	96
44) Trichloroethene	9.11	130	36770	19.540	ug/l	99
45) 1,2-Dichloropropane	9.38	63	22856	17.409	ug/l	99
46) Dibromomethane	9.47	93	15583	19.063	ug/l	95
47) Bromodichloromethane	9.66	83	46421	20.650	ug/l	98
48) Methyl methacrylate	9.45	41	12290	15.859	ug/l #	88
49) 1,4-Dioxane	9.46	88	3649	384.436	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	65762	90.456	ug/l	98
52) Toluene	10.40	92	77012	19.628	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	41996	19.688	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	44998	18.794	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	20520	18.543	ug/l	92
56) Ethyl methacrylate	10.66	69	23152	18.073	ug/l #	88
57) 1,3-Dichloropropane	10.94	76	33173	18.123	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	49653	93.322	ug/l	90
59) 2-Hexanone	10.98	43	46170	90.034	ug/l	99
60) Dibromochloromethane	11.14	129	32694	19.600	ug/l	99
61) 1,2-Dibromoethane	11.24	107	20422	18.752	ug/l	97
64) Tetrachloroethene	10.87	164	34849	20.090	ug/l	96
65) Chlorobenzene	11.67	112	86343	18.979	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	36410	19.584	ug/l	96
67) Ethyl Benzene	11.74	91	153151	19.125	ug/l	98
68) m/p-Xylenes	11.86	106	121029	39.652	ug/l	99
69) o-Xylene	12.18	106	54004	19.019	ug/l	98
70) Styrene	12.19	104	96692	19.832	ug/l	100
71) Bromoform	12.36	173	20238	19.187	ug/l #	97
73) Isopropylbenzene	12.48	105	156318	18.992	ug/l	99
74) N-amyl acetate	12.29	43	23192	15.601	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	19635	16.700	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	14866m	17.199	ug/l	
77) Bromobenzene	12.76	156	38856	18.600	ug/l	98
78) n-propylbenzene	12.82	91	178904	18.957	ug/l	100
79) 2-Chlorotoluene	12.91	91	101876	18.901	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	137527	19.352	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	6714	16.488	ug/l	92
82) 4-Chlorotoluene	13.01	91	107500	18.825	ug/l	100
83) tert-Butylbenzene	13.23	119	121218	19.638	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	134957	19.335	ug/l	99
85) sec-Butylbenzene	13.40	105	149853	18.529	ug/l	96
86) p-Isopropyltoluene	13.52	119	152422	19.546	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	74283	19.049	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	75055	19.169	ug/l	98
89) n-Butylbenzene	13.84	91	129116	18.763	ug/l	98
90) Hexachloroethane	14.11	117	27616	17.927	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	64951	19.348	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4965	20.134	ug/l	89

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 ClientSampleId :
 VD0827SBS01

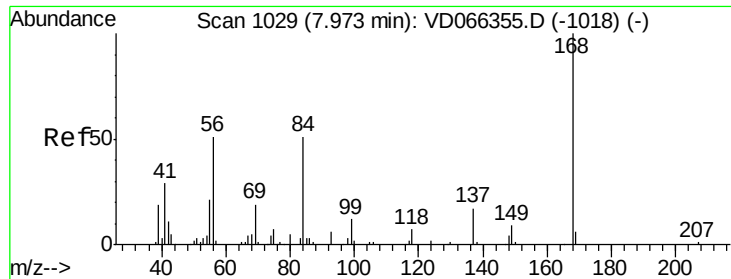
Manual Integrations
 APPROVED

MMDadoda
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	49259	18.796	ug/l	97
94) Hexachlorobutadiene	15.27	225	32705	20.081	ug/l	98
95) Naphthalene	15.40	128	78720	19.124	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	43903	19.555	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion:168 Resp: 181552

Ion Ratio Lower Upper

168 100

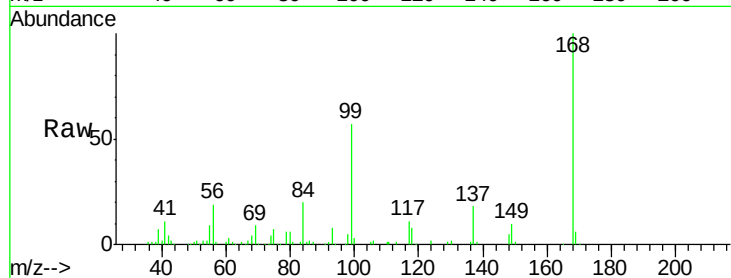
99 56.3 45.4 68.0

Manual Integrations

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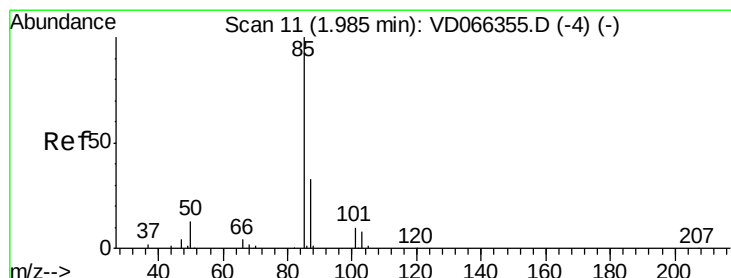
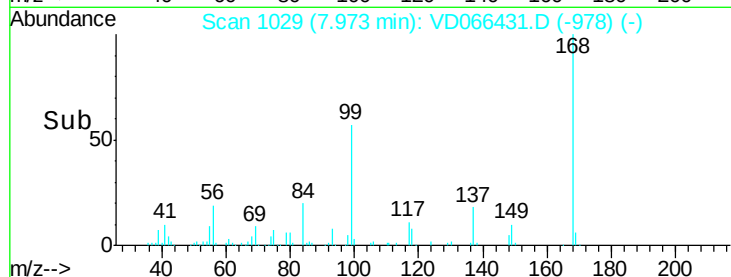
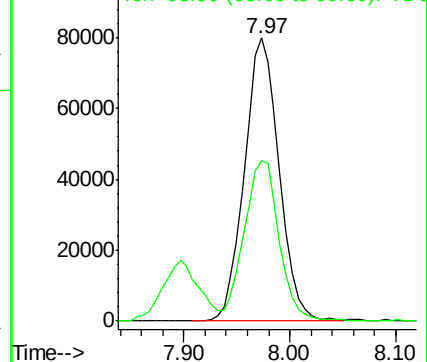
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.156 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066431.D

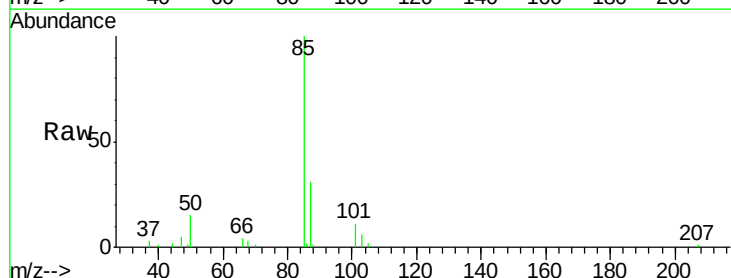
Acq: 27 Aug 2020 12:39

Tgt Ion: 85 Resp: 31110

Ion Ratio Lower Upper

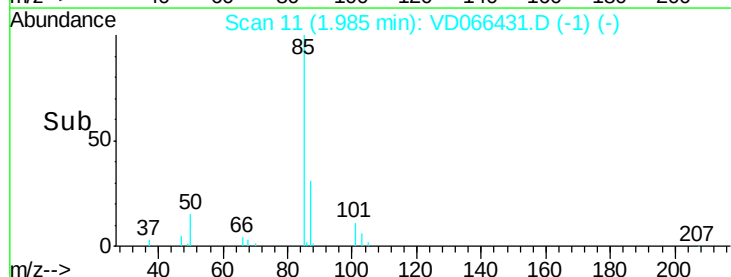
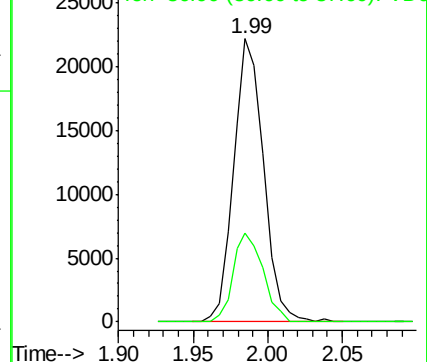
85 100

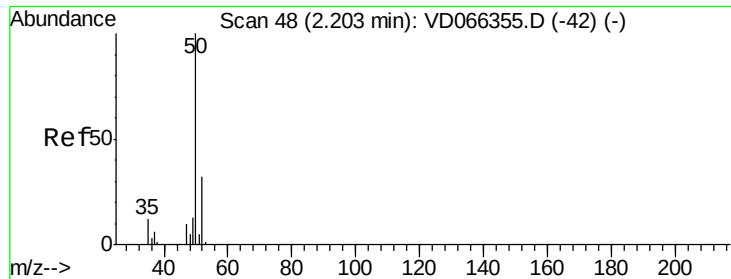
87 31.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.154 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 50 Resp: 17673

Ion Ratio Lower Upper

50 100

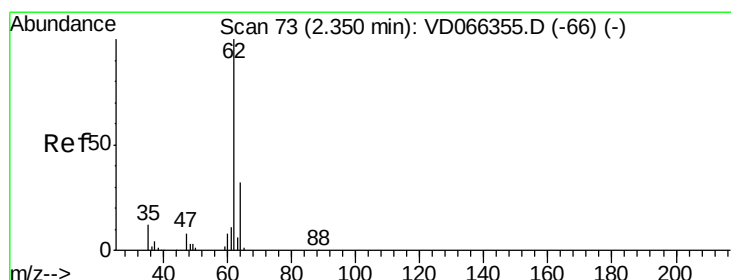
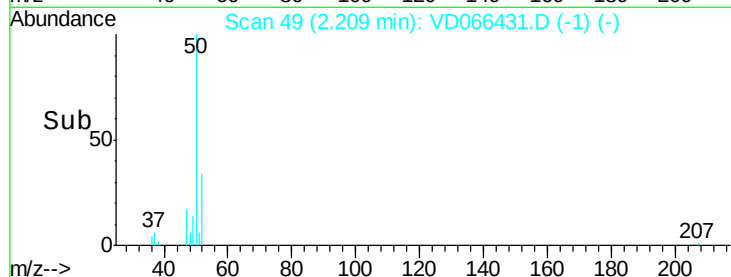
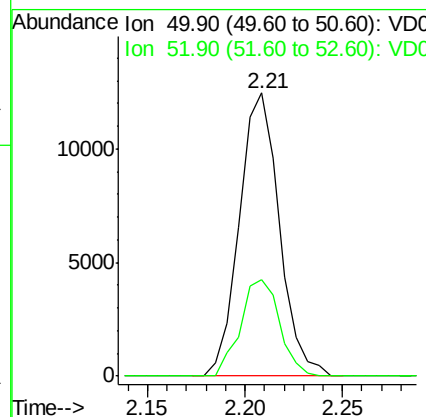
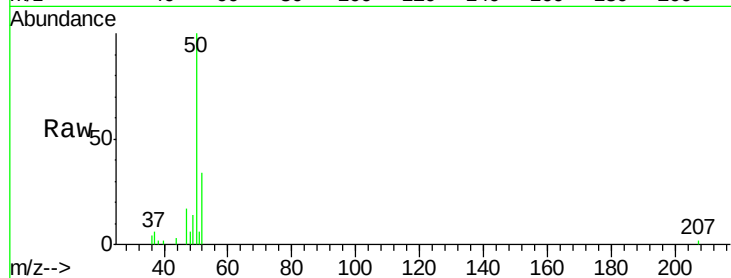
52 34.2 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.068 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066431.D

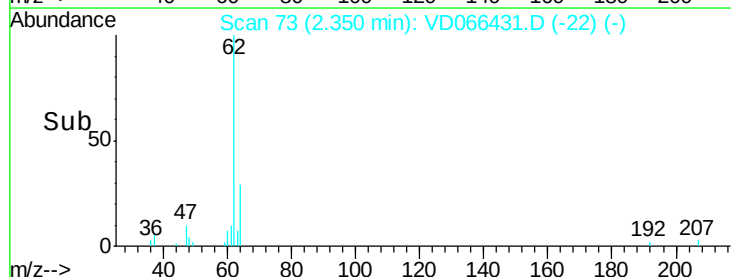
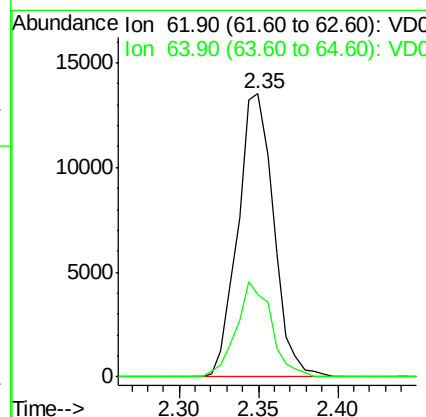
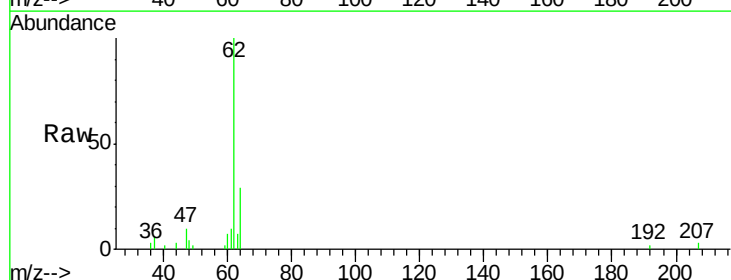
Acq: 27 Aug 2020 12:39

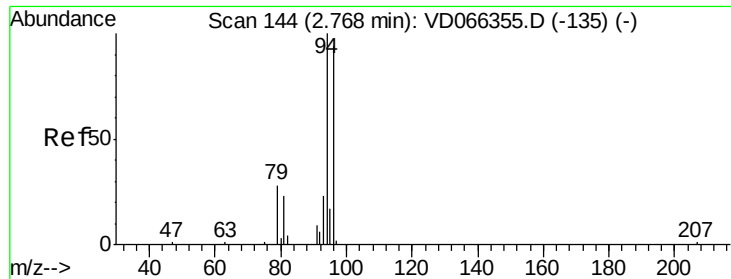
Tgt Ion: 62 Resp: 21224

Ion Ratio Lower Upper

62 100

64 29.3 25.4 38.2





#5

Bromomethane

Concen: 20.051 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 94 Resp: 17617

Ion Ratio Lower Upper

94 100

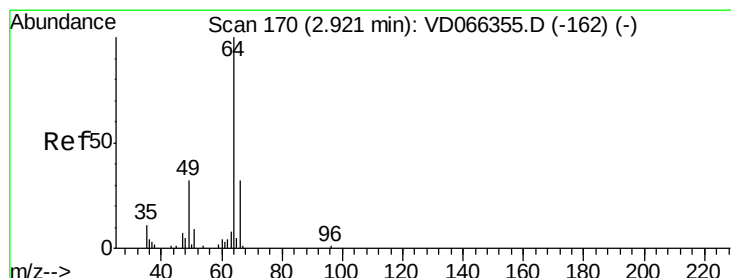
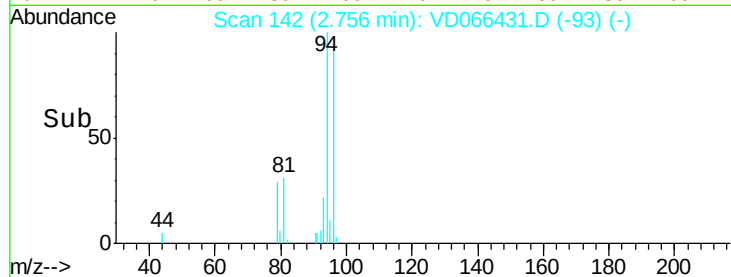
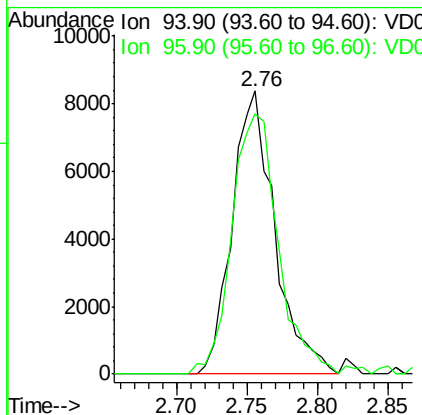
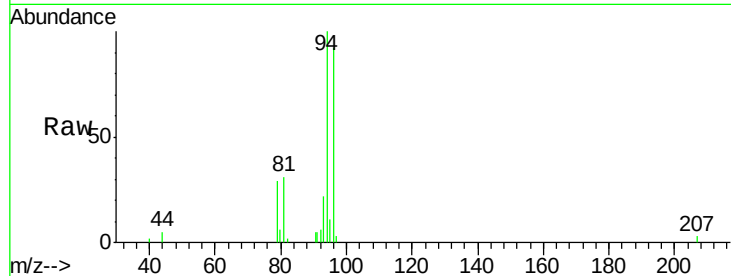
96 91.9 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 18.505 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066431.D

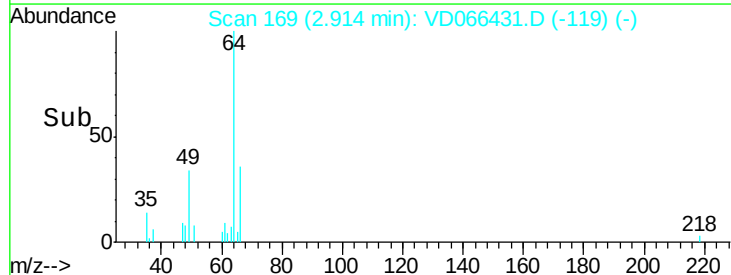
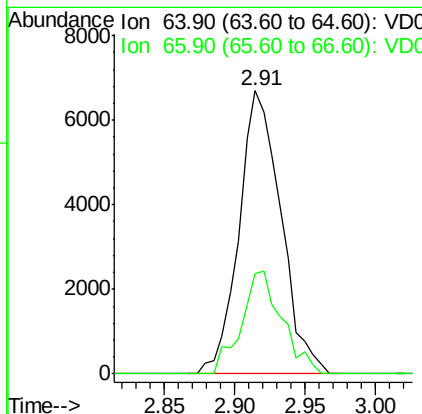
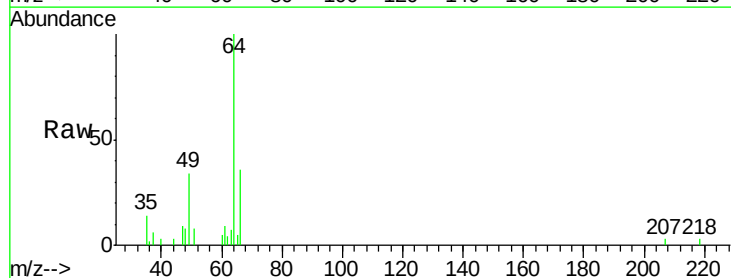
Acq: 27 Aug 2020 12:39

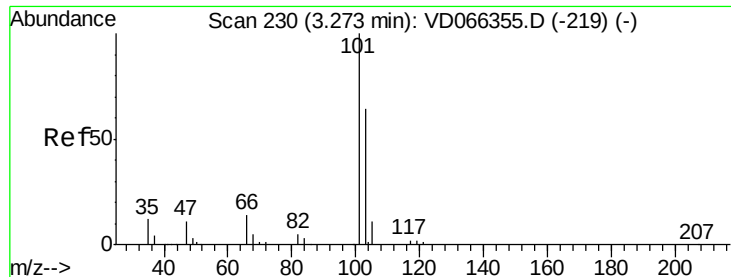
Tgt Ion: 64 Resp: 13919

Ion Ratio Lower Upper

64 100

66 35.6 25.9 38.9





#7

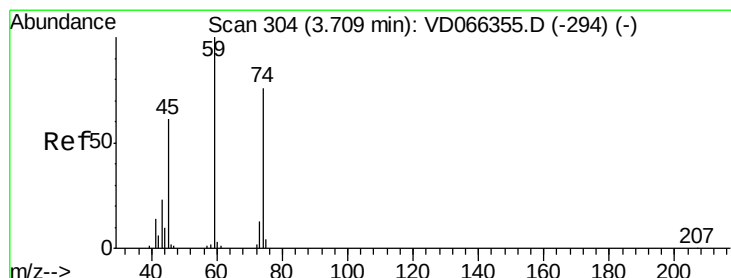
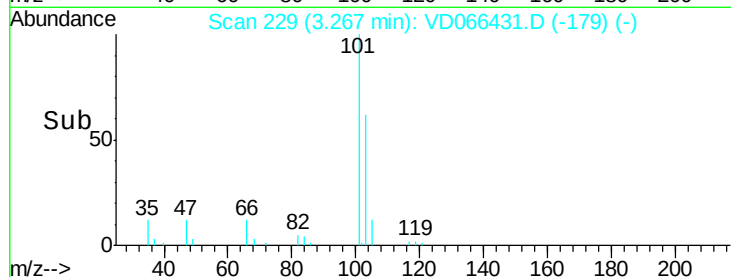
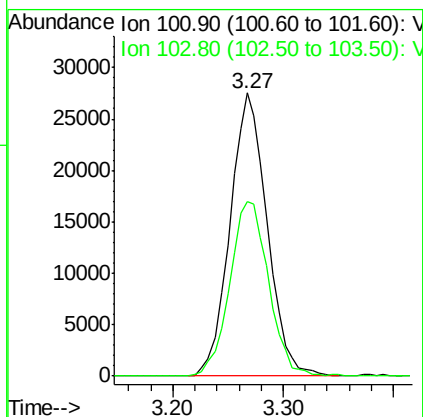
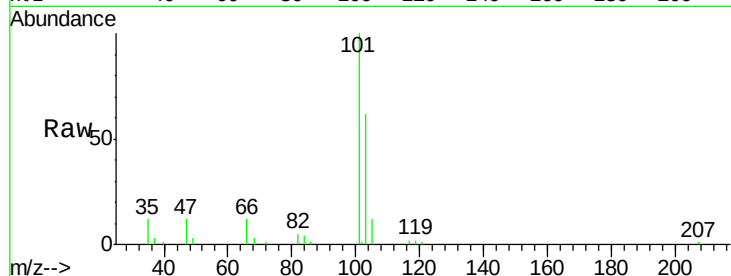
Trichlorofluoromethane
 Concen: 20.251 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
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 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	64686		
103	61.9	51.4	77.0	

Manual Integrations
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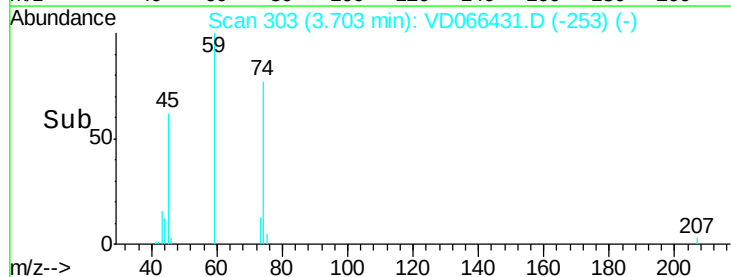
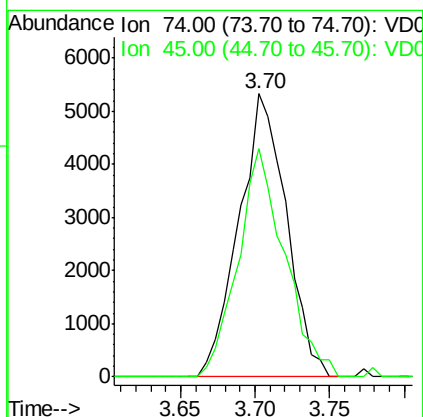
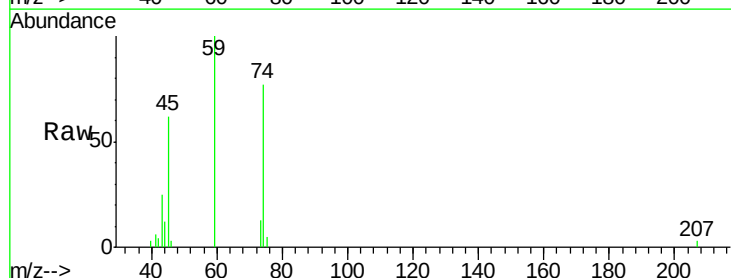
MMDadoda
 8/28/2020 3:19:00 PM

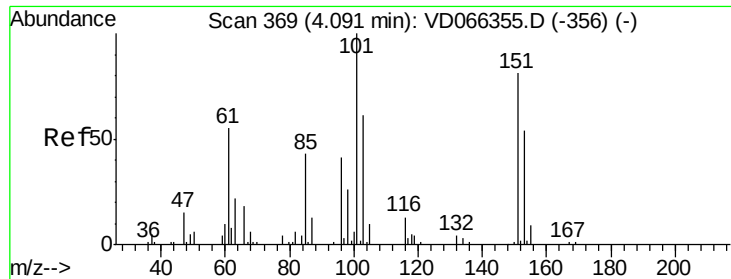


#8

Diethyl Ether
 Concen: 16.400 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	11737		
45	79.1	42.8	128.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.408 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

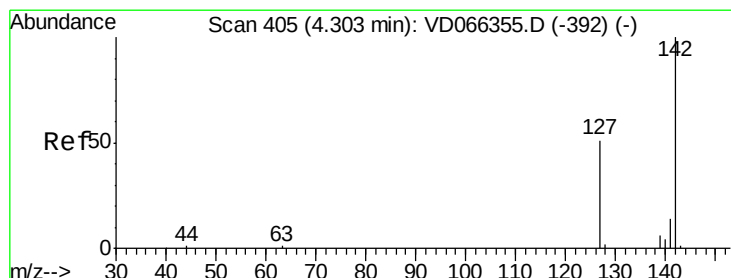
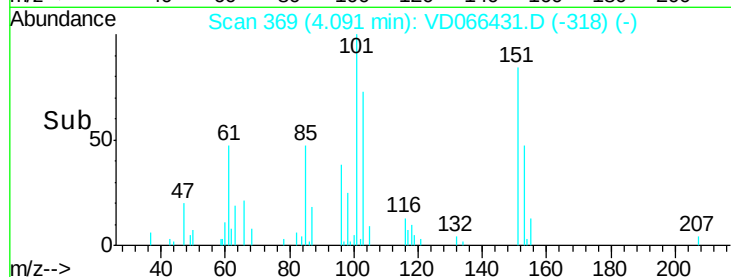
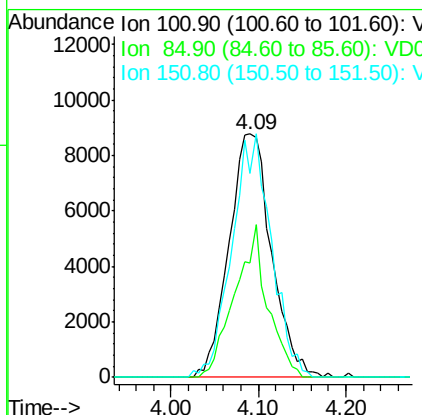
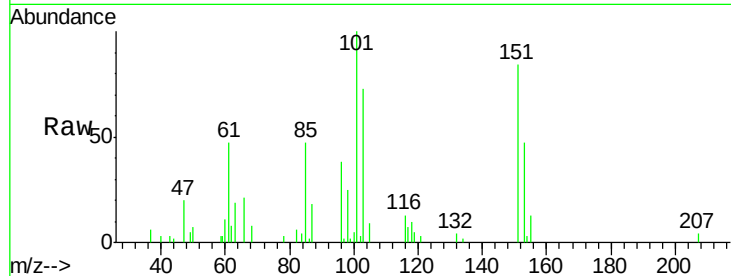
ClientSampleId :

VD0827SBS01

Tot Ion:	101	Resp:	29017
Ion Ratio	Lower	Upper	
101	100		
85	48.2	36.4	54.6
151	92.5	70.5	105.7

Manual Integrations
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#10

Methyl Iodide

Concen: 13.898 ug/l

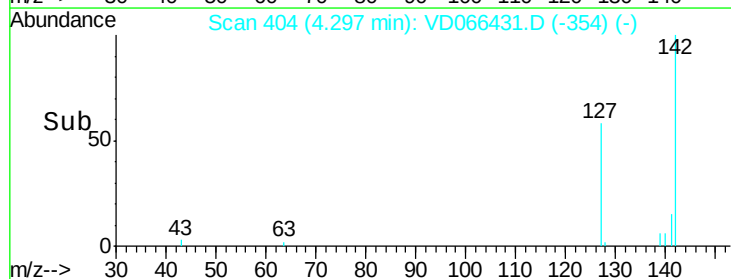
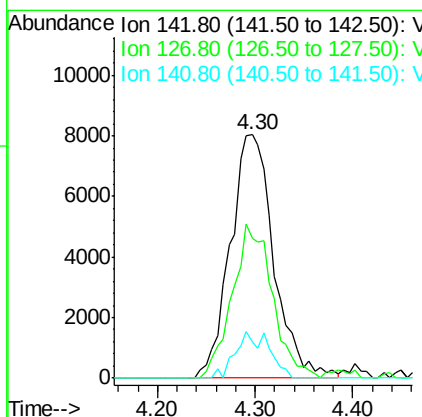
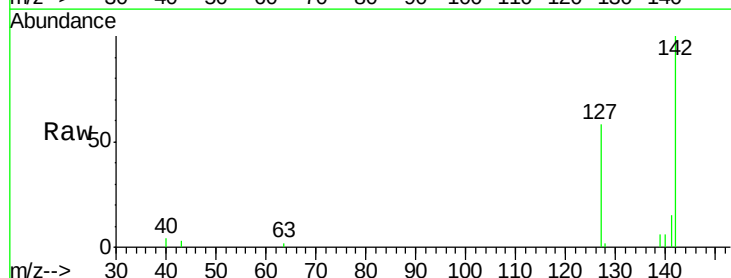
RT: 4.30 min Scan# 404

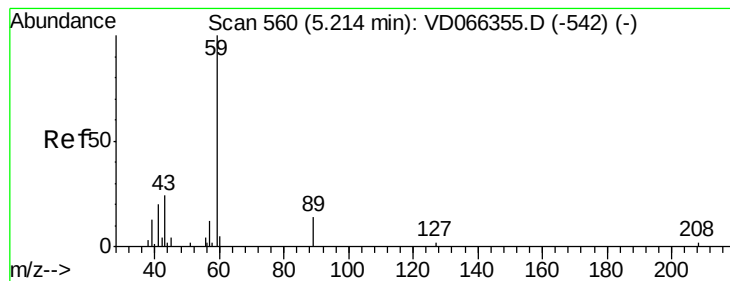
Delta R.T. -0.01 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Tgt Ion:	142	Resp:	24988
Ion Ratio	Lower	Upper	
142	100		
127	58.3	41.8	62.8
141	9.2	11.8	17.6#





#11

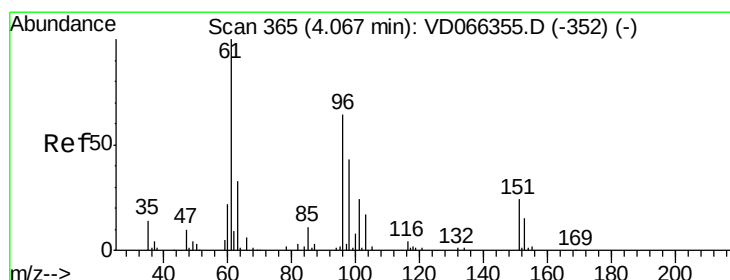
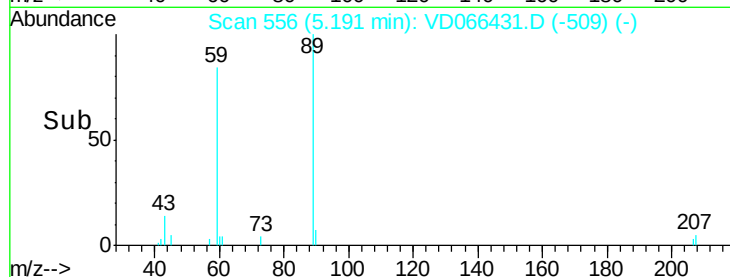
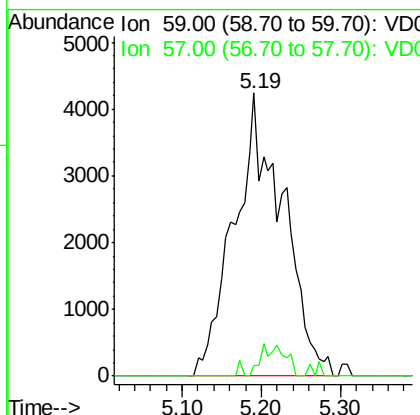
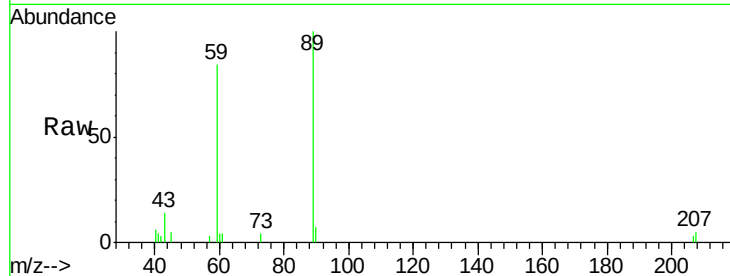
Tert butyl alcohol
 Concen: 161.694 ug/l
 RT: 5.19 min Scan# 556
 Delta R.T. -0.02 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	18080		
57	5.6	9.0	13.4#	

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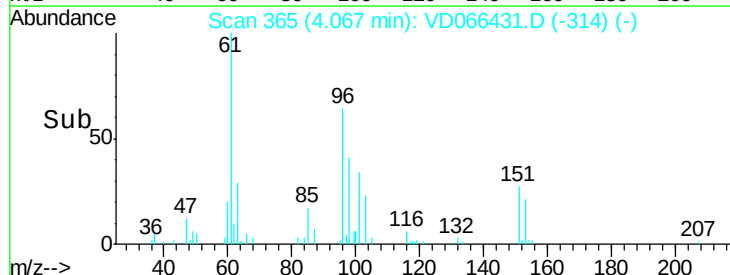
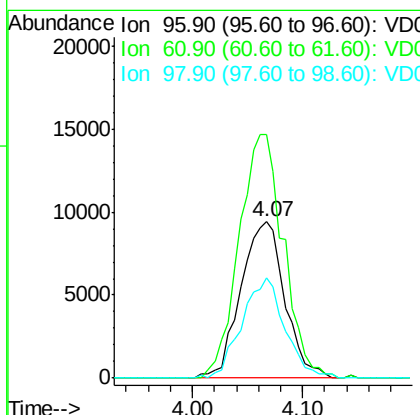
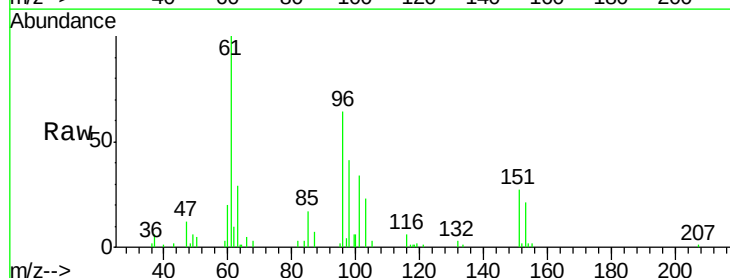
MMDadoda
 8/28/2020 3:19:00 PM

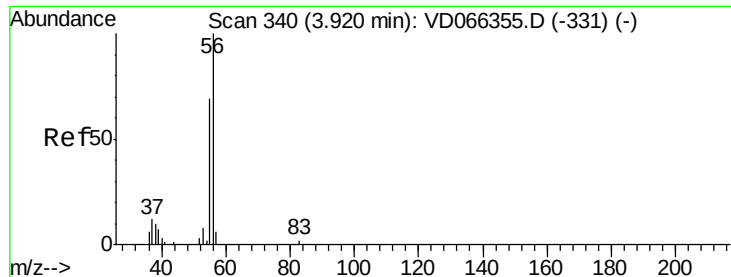


#12

1,1-Dichloroethene
 Concen: 17.776 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	26303		
61	155.9	124.3	186.5	
98	63.8	53.2	79.8	





#13

Acrolein

Concen: 66.144 ug/l

RT: 3.91 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 56 Resp: 5228

Ion Ratio Lower Upper

56 100

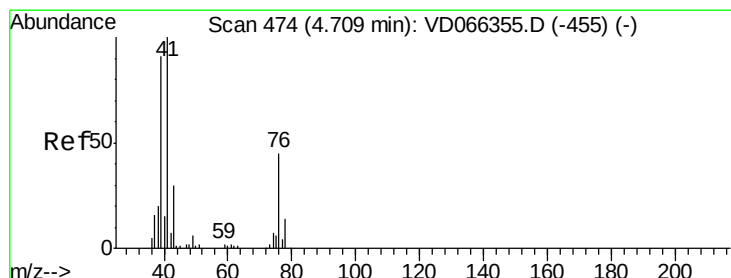
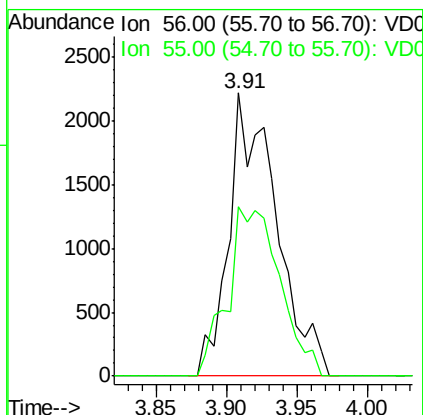
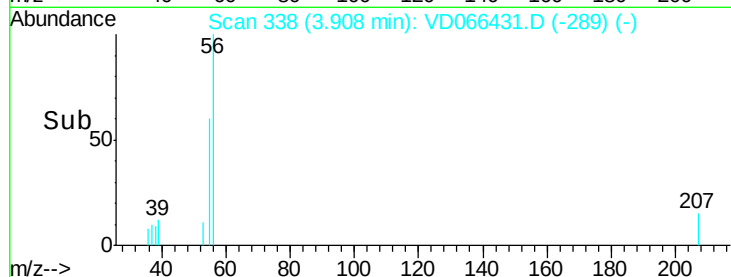
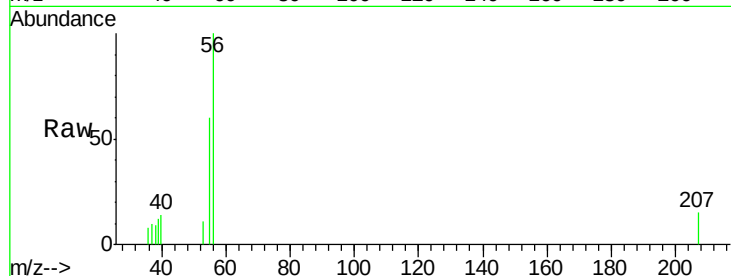
55 65.6 55.5 83.3

Manual Integrations

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#14

Allyl chloride

Concen: 15.673 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

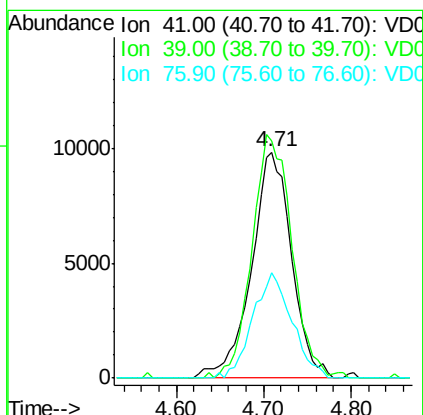
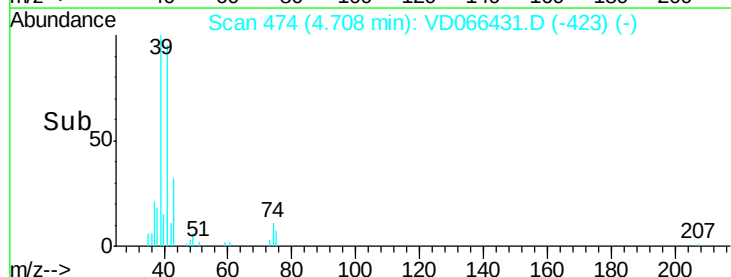
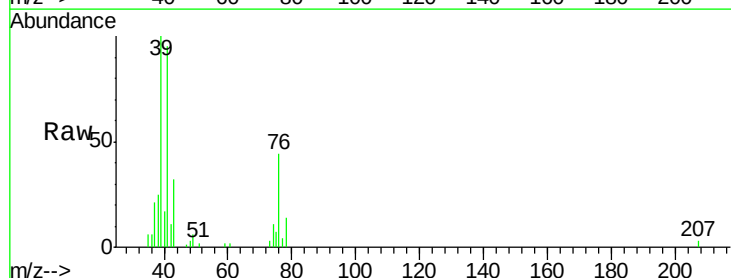
Tgt Ion: 41 Resp: 30954

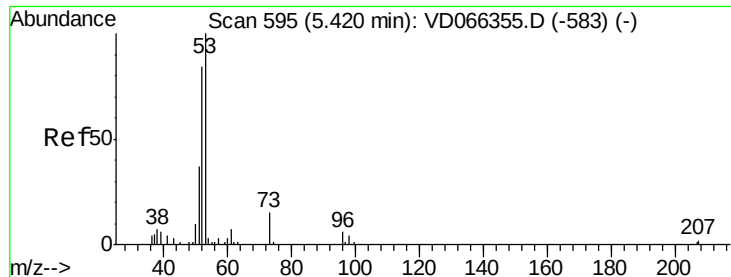
Ion Ratio Lower Upper

41 100

39 107.0 72.8 109.2

76 45.3 34.0 51.0





#15

Acrylonitrile

Concen: 78.283 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

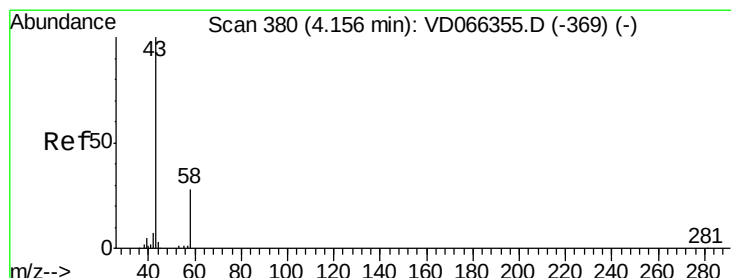
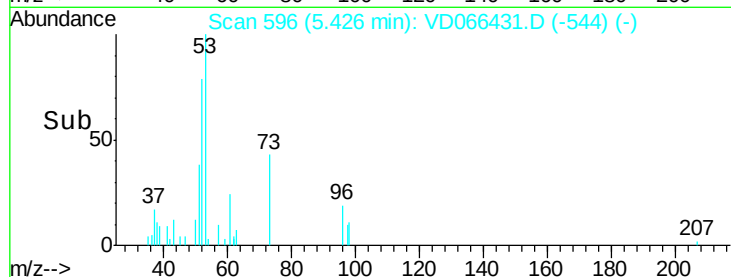
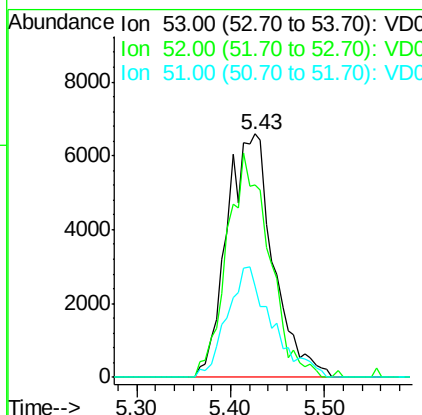
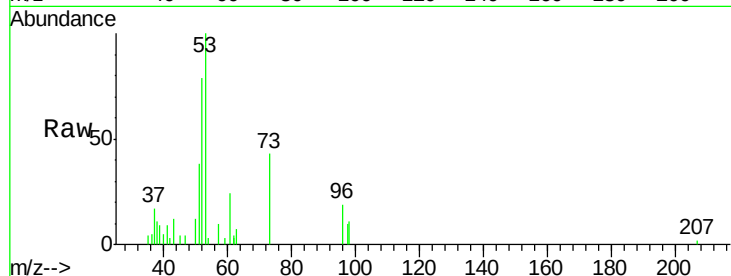
ClientSampleId :

VD0827SBS01

Tot Ion:	53	Resp:	22479
Ion	Ratio	Lower	Upper
53	100		
52	83.9	68.1	102.1
51	43.9	33.8	50.6

Manual Integrations
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#16

Acetone

Concen: 90.903 ug/l

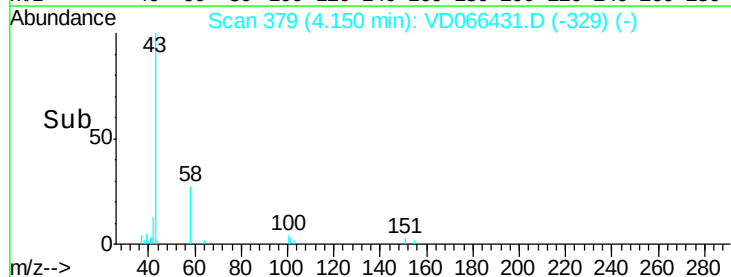
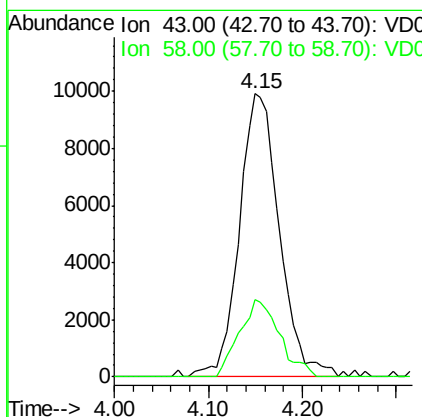
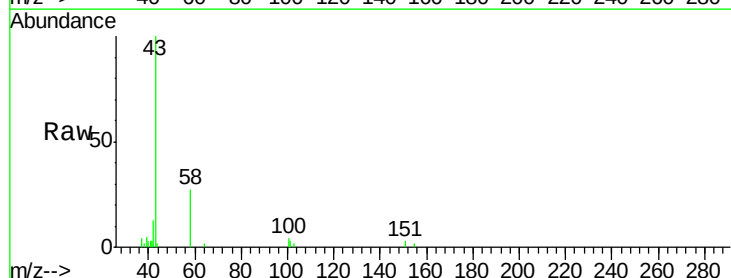
RT: 4.15 min Scan# 379

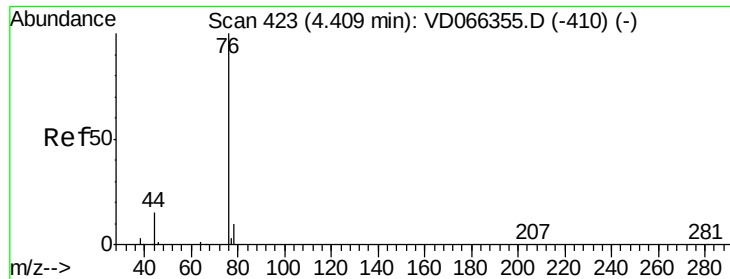
Delta R.T. -0.01 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Tgt Ion:	43	Resp:	29170
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.7	34.1





#17

Carbon Disulfide

Concen: 15.926 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 76 Resp: 71419

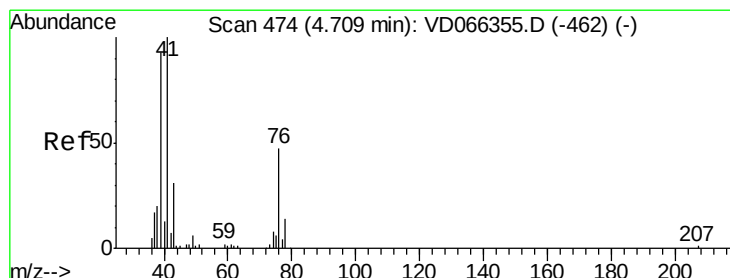
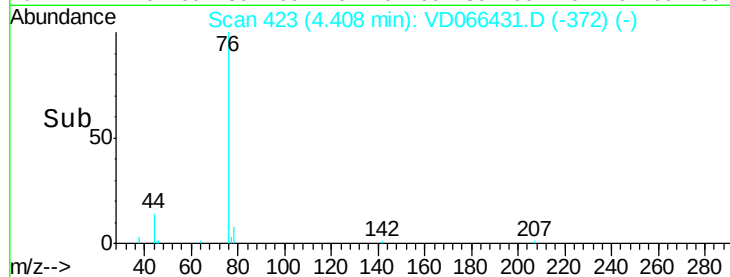
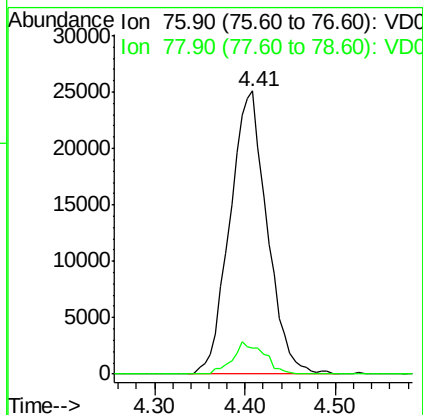
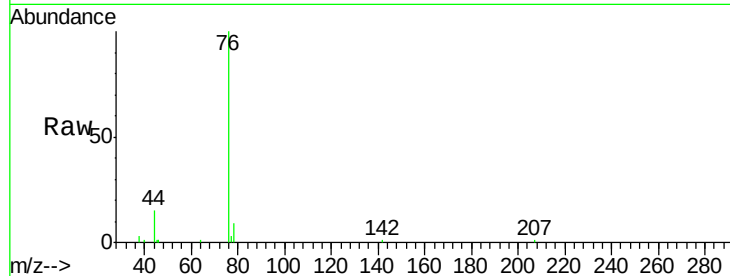
Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5

Manual Integrations
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#18

Methyl Acetate

Concen: 16.194 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066431.D

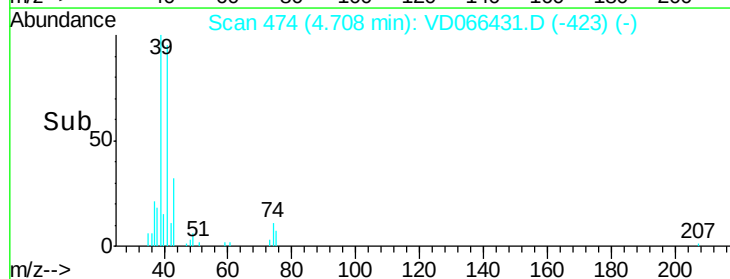
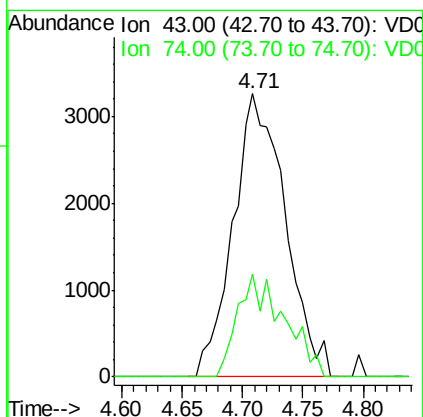
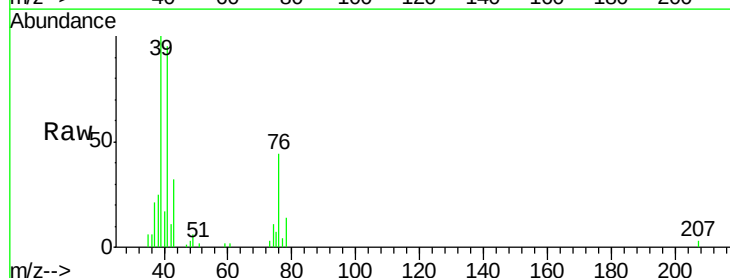
Acq: 27 Aug 2020 12:39

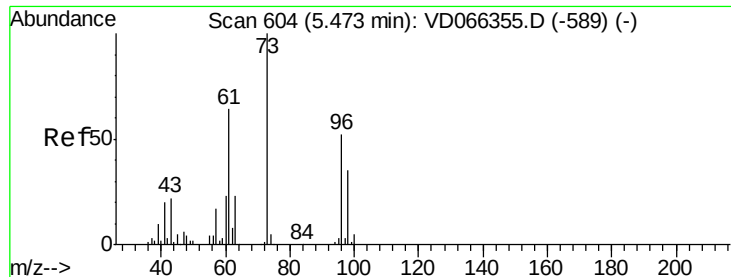
Tgt Ion: 43 Resp: 9753

Ion Ratio Lower Upper

43 100

74 32.3 21.0 31.6#





#19

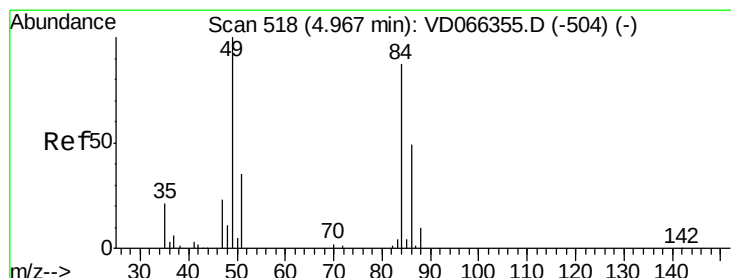
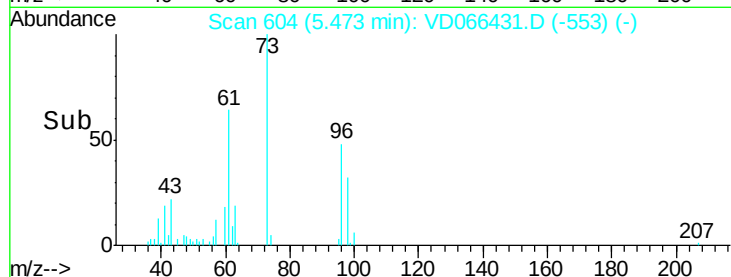
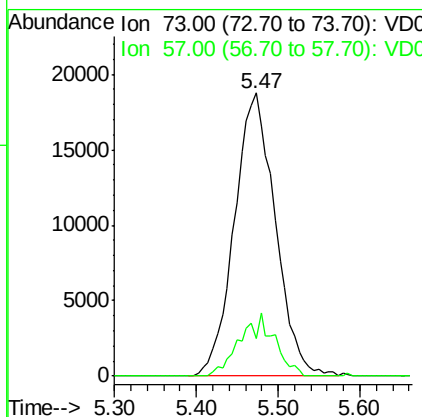
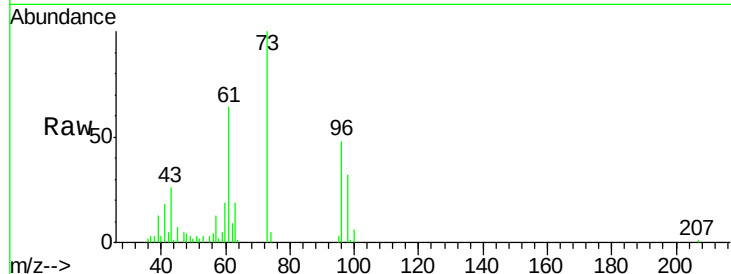
Methyl tert-butyl Ether
 Concen: 18.306 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	73	Resp	65224
Ion Ratio	Lower	Upper	
73	100		
57	13.2	13.8	20.6#

Manual Integrations
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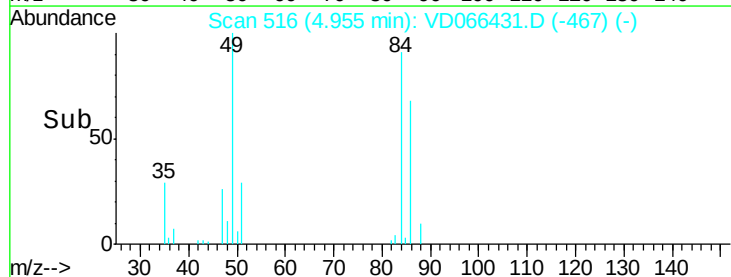
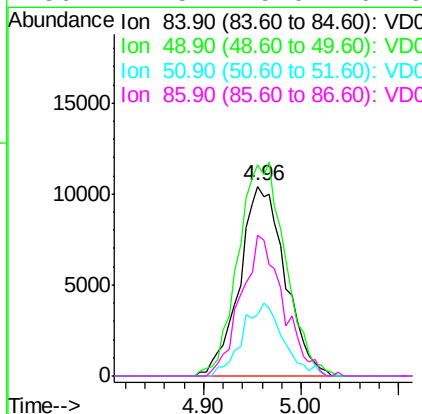
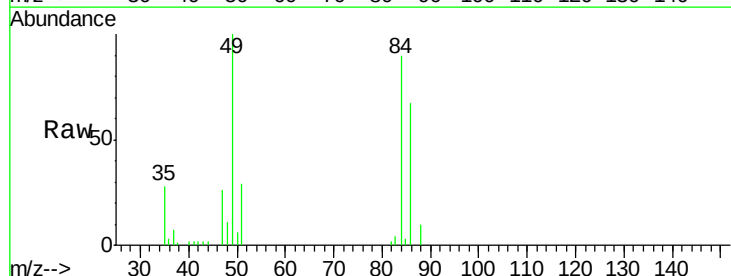
MMDadoda
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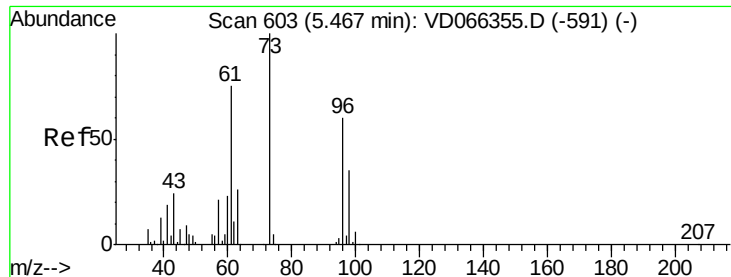


#20

Methylene Chloride
 Concen: 15.406 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion	84	Resp	33930
Ion Ratio	Lower	Upper	
84	100		
49	111.2	92.5	138.7
51	32.2	32.5	48.7#
86	74.5	45.0	67.6#





#21

trans-1,2-Dichloroethene

Concen: 17.015 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 96 Resp: 29308

Ion Ratio Lower Upper

96 100

61 128.9 101.1 151.7

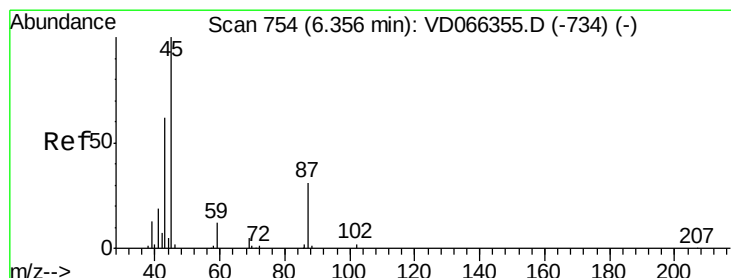
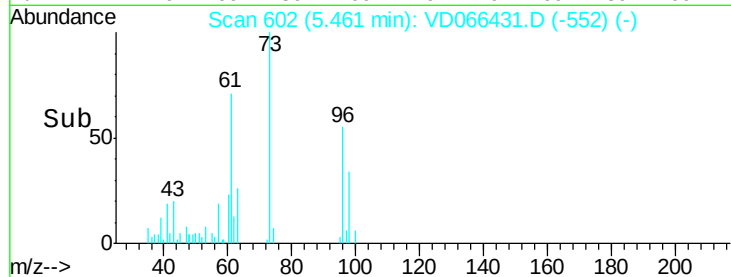
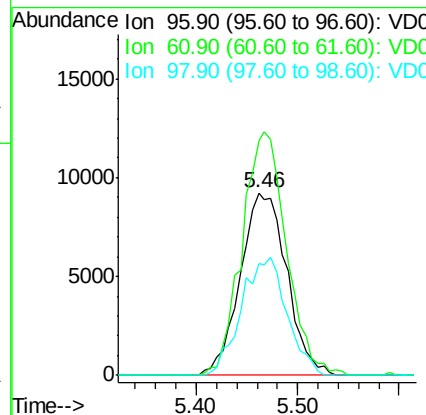
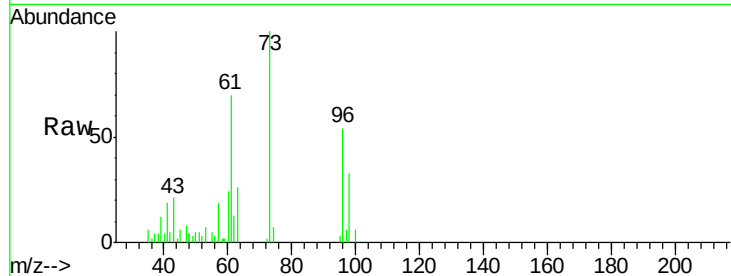
98 61.3 47.0 70.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 16.732 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Tgt Ion: 45 Resp: 63983

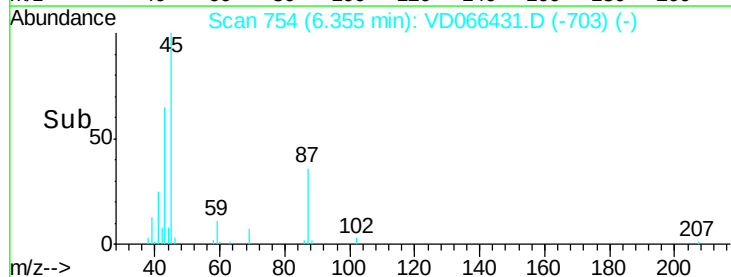
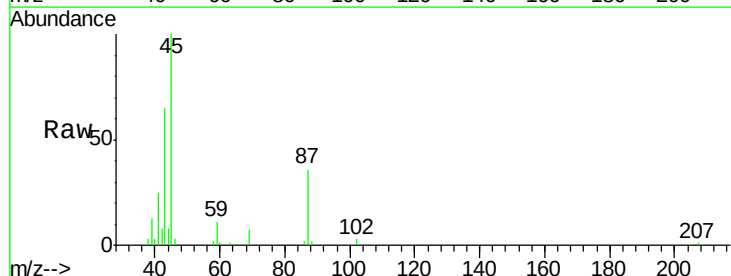
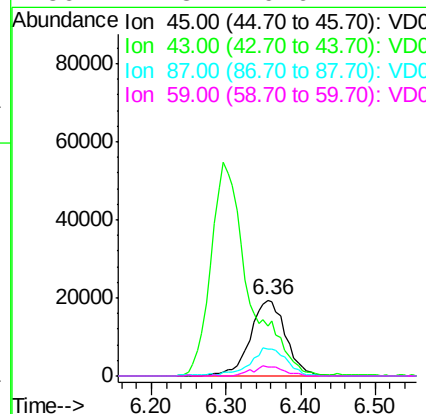
Ion Ratio Lower Upper

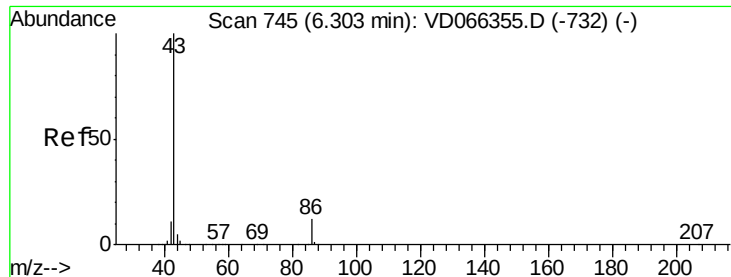
45 100

43 64.1 49.8 74.8

87 36.0 25.0 37.6

59 11.3 9.6 14.4





#23

Vinyl Acetate

Concen: 81.087 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 43 Resp: 191953

Ion Ratio Lower Upper

43 100

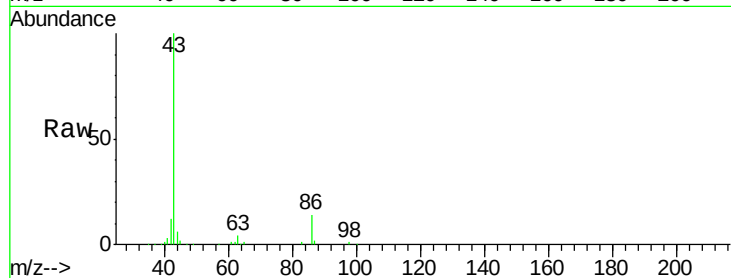
86 14.4 9.4 14.0#

Manual Integrations

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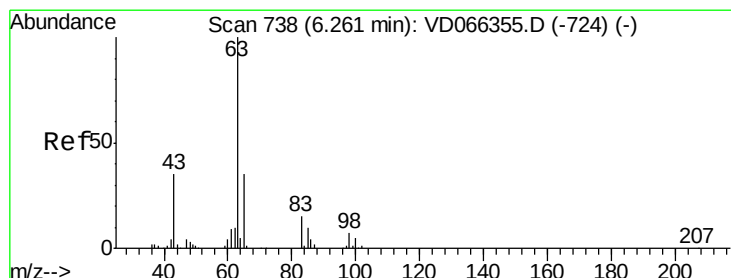
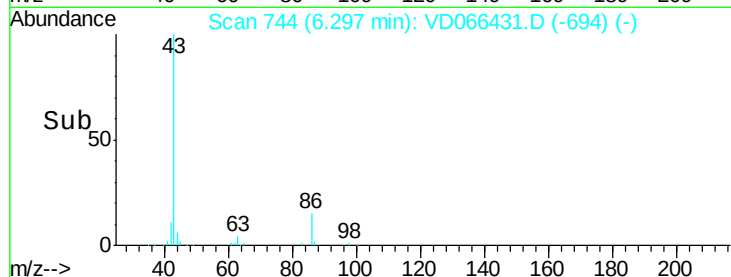
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 17.093 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

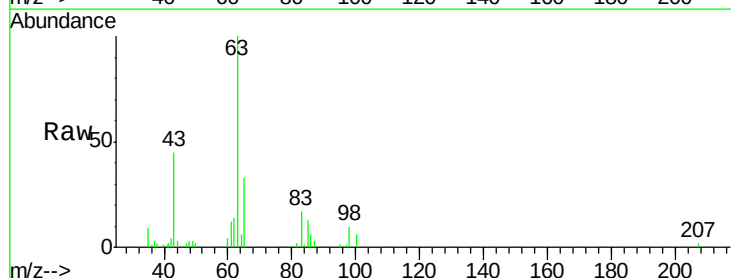
Tgt Ion: 63 Resp: 46191

Ion Ratio Lower Upper

63 100

98 9.9 3.5 10.6

100 6.0 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

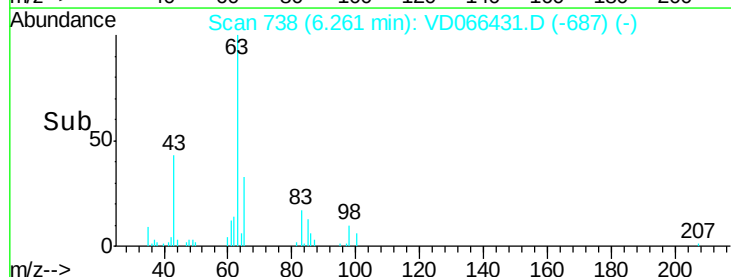
Ion 97.90 (97.60 to 98.60): VDC

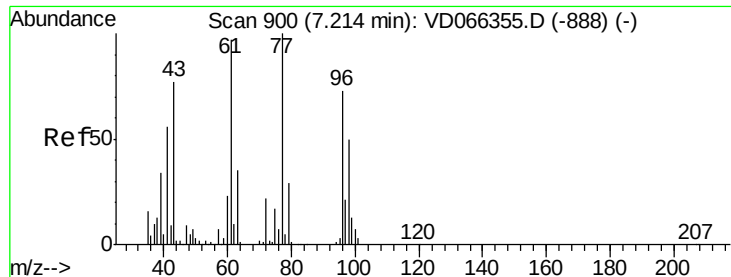
Ion 99.90 (99.60 to 100.60): VDC

6.26

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 81.890 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 43 Resp: 29832

Ion Ratio Lower Upper

43 100

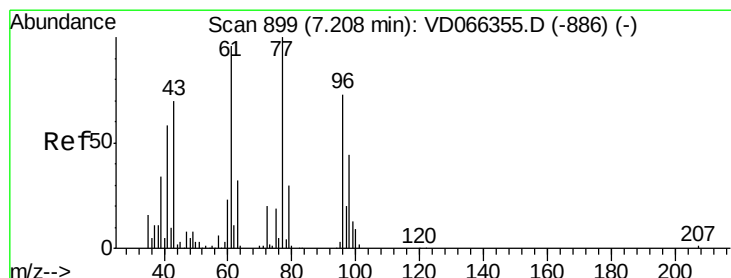
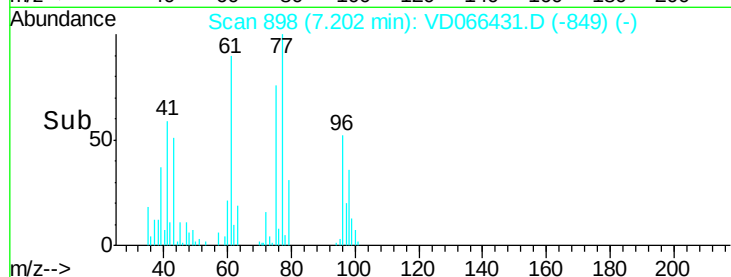
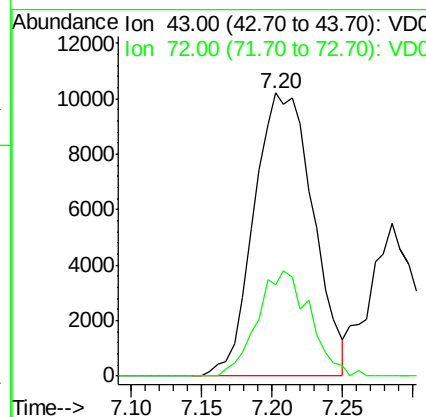
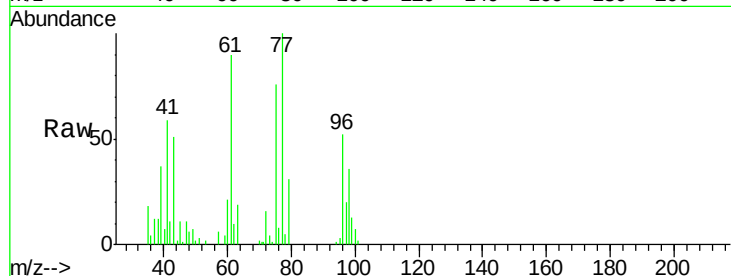
72 32.1 22.5 33.7

Manual Integrations

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MMDadoda

8/28/2020 3:19:00 PM



#26

2,2-Dichloropropane

Concen: 20.096 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066431.D

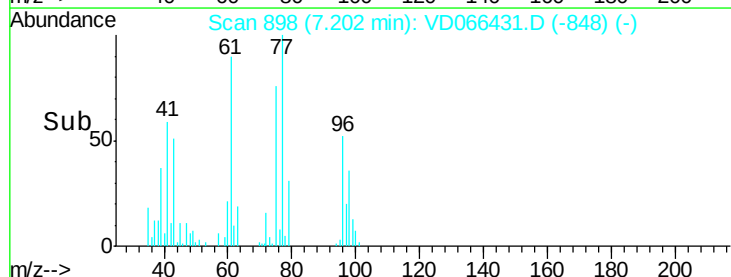
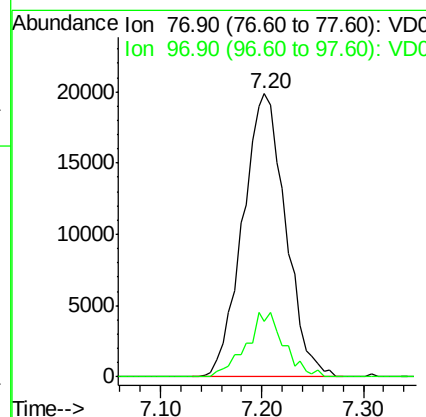
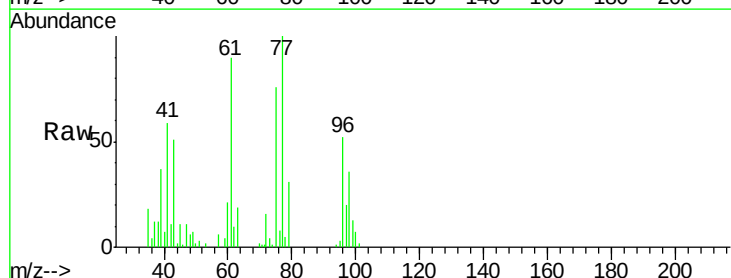
Acq: 27 Aug 2020 12:39

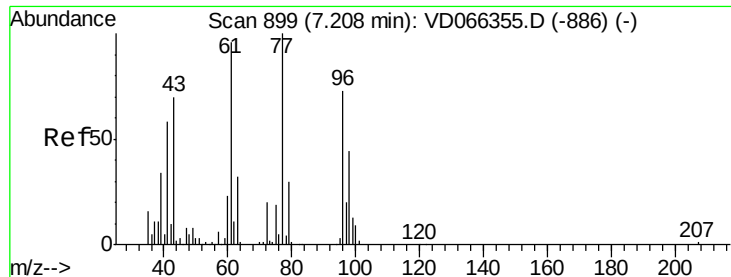
Tgt Ion: 77 Resp: 58205

Ion Ratio Lower Upper

77 100

97 20.2 10.7 31.9





#27

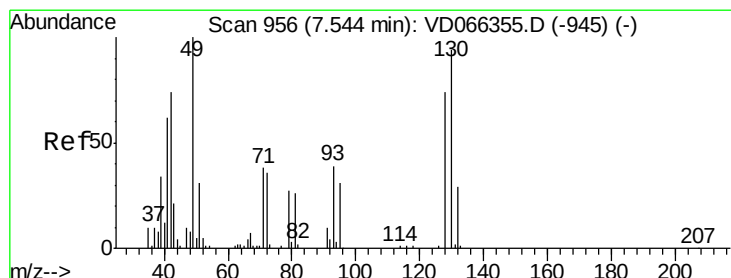
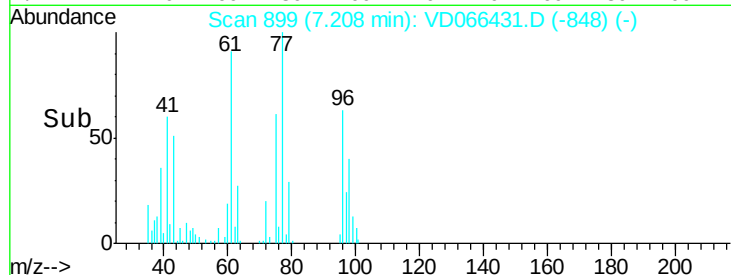
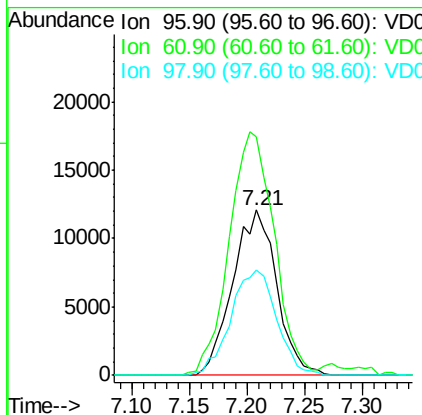
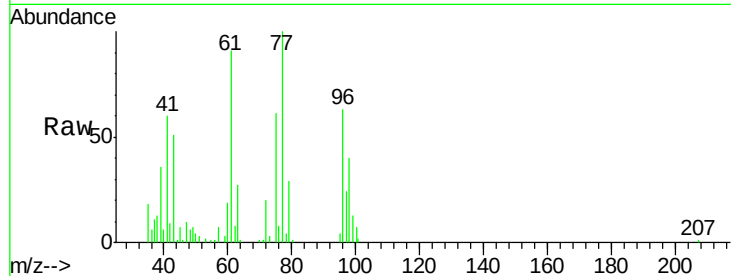
cis-1,2-Dichloroethene
Concen: 17.373 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	32064		
61	150.4		0.0	281.4
98	65.8		0.0	132.2

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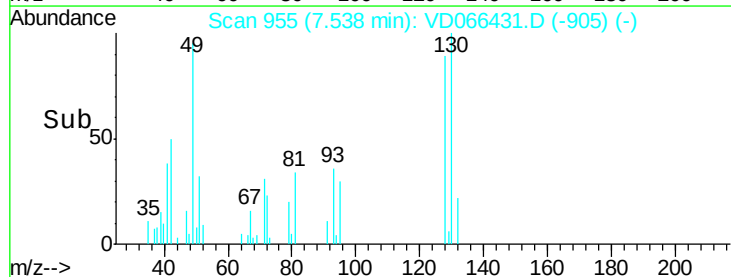
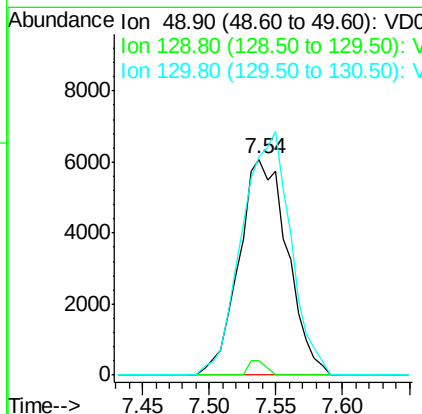
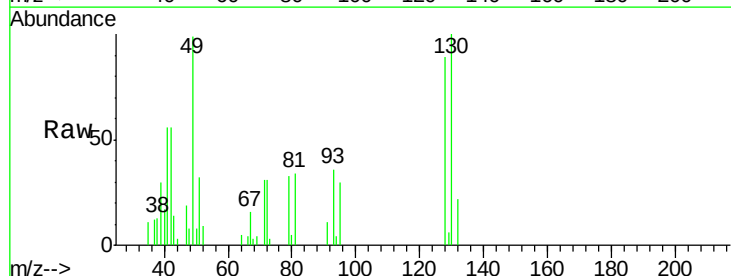
MMDadoda
8/28/2020 3:19:00 PM

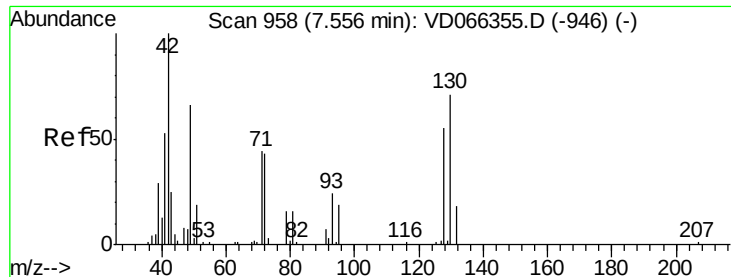


#28

Bromochloromethane
Concen: 16.395 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	15261		
129	2.2		0.0	3.0
130	113.3		82.6	124.0





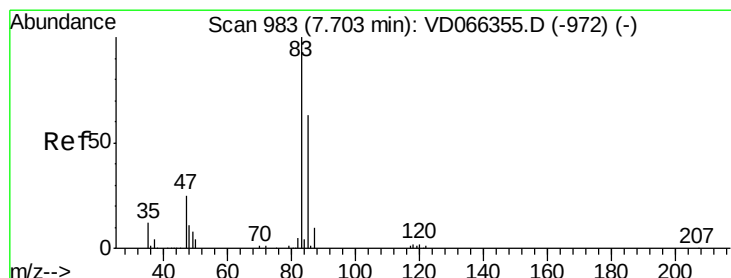
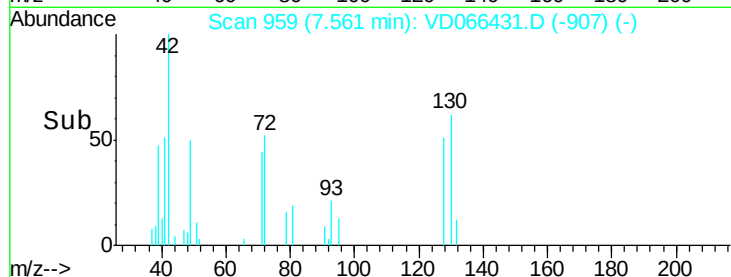
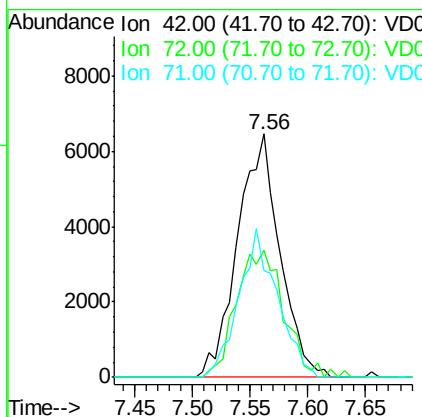
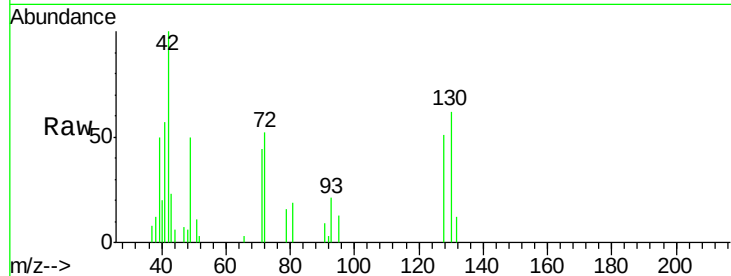
#29
Tetrahydrofuran
Concen: 79.695 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.3	41.0	61.4
71	55.2	37.2	55.8

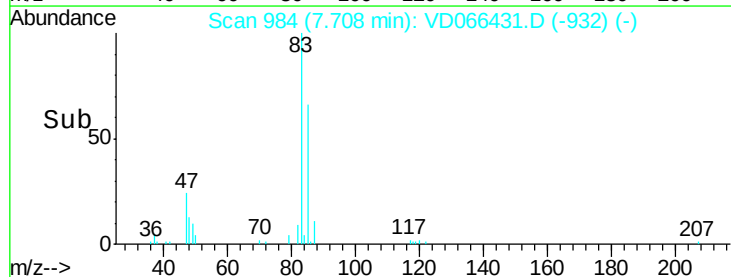
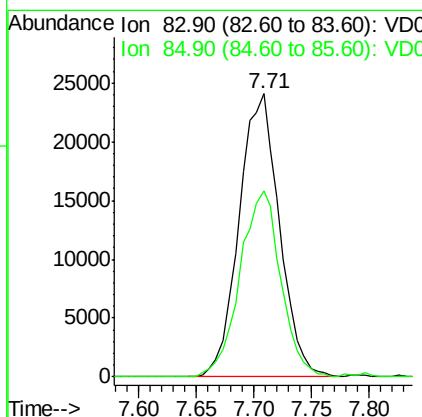
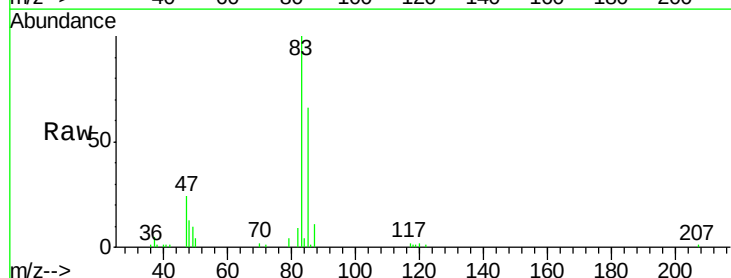
Manual Integrations
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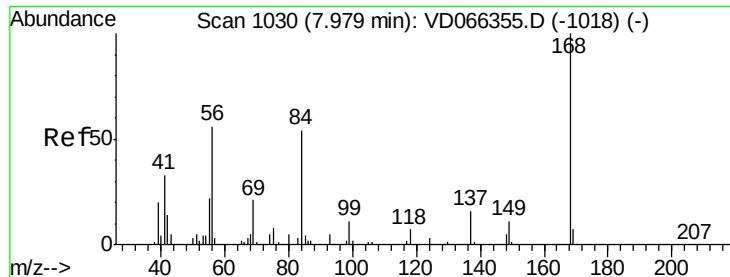
MMDadoda
8/28/2020 3:19:00 PM



#30
Chloroform
Concen: 18.680 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.3	75.5





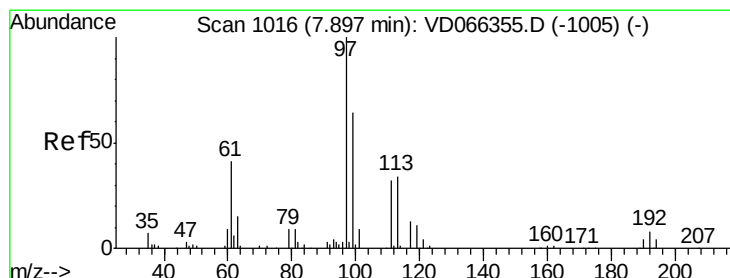
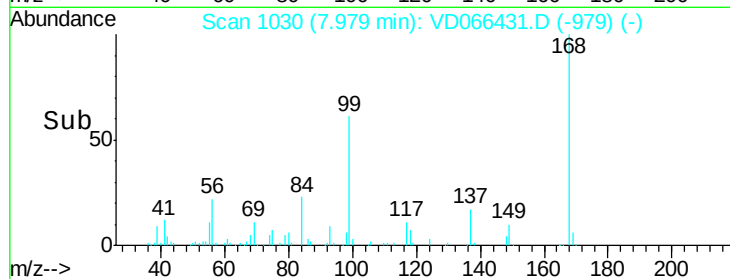
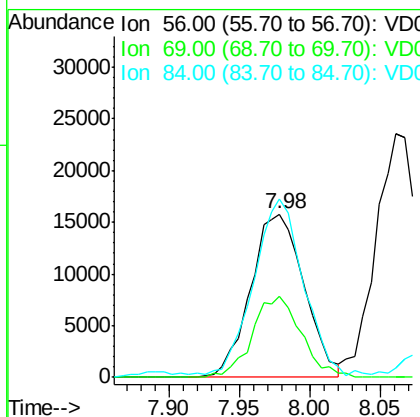
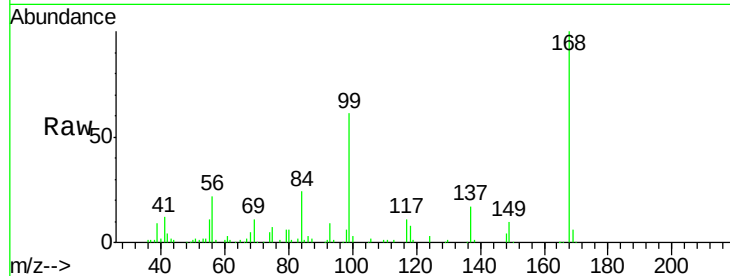
#31
Cyclohexane
Concen: 16.933 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	56	Resp	41848
Ion	Ratio	Lower	Upper
56	100		
69	49.9	29.6	44.4#
84	108.2	76.6	115.0

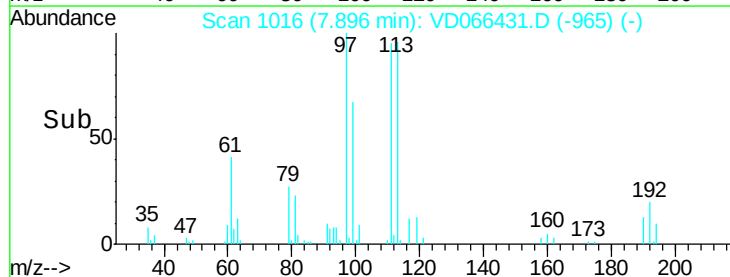
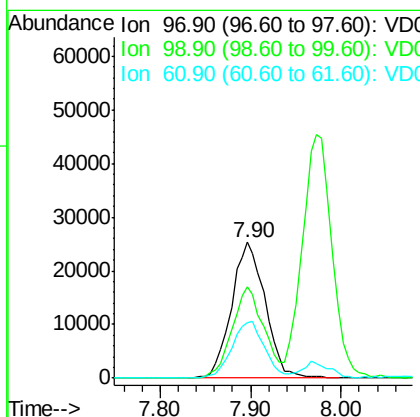
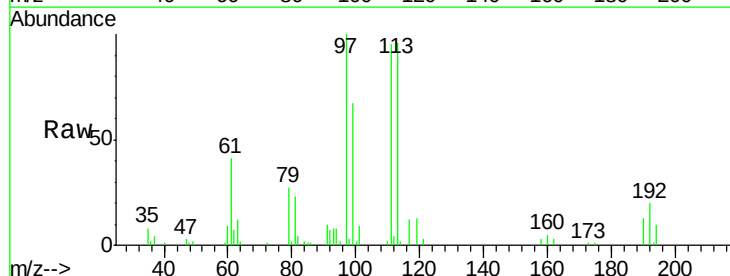
Manual Integrations
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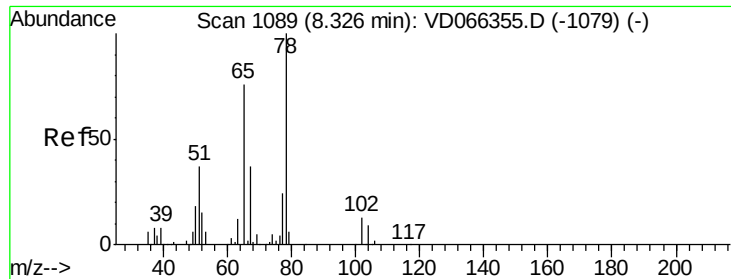
MMDadoda
8/28/2020 3:19:00 PM



#32
1,1,1-Trichloroethane
Concen: 20.402 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion	97	Resp	65284
Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.5	77.3
61	40.4	33.3	49.9





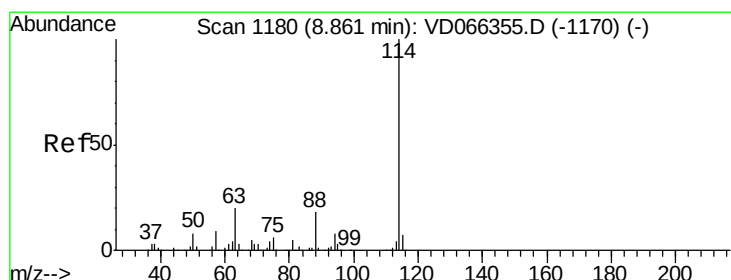
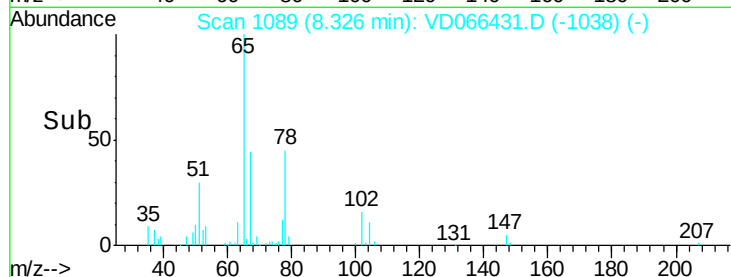
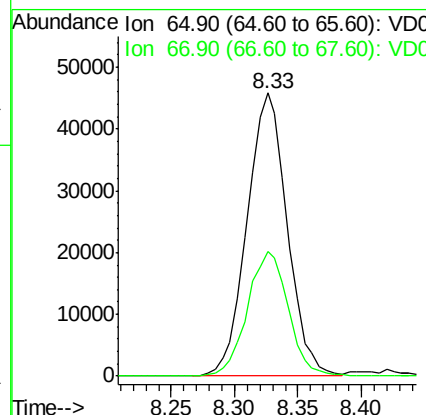
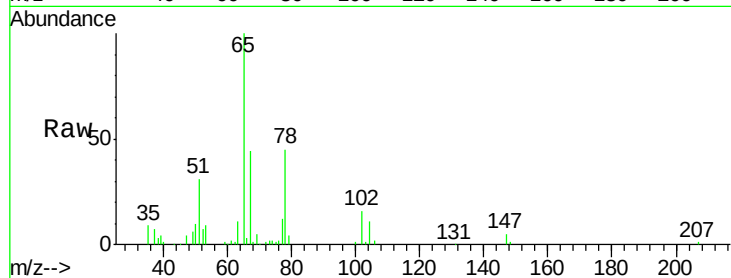
#33
 1,2-Dichloroethane-d4
 Concen: 56.707 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	100934		
67	44.6	0.0	101.6	

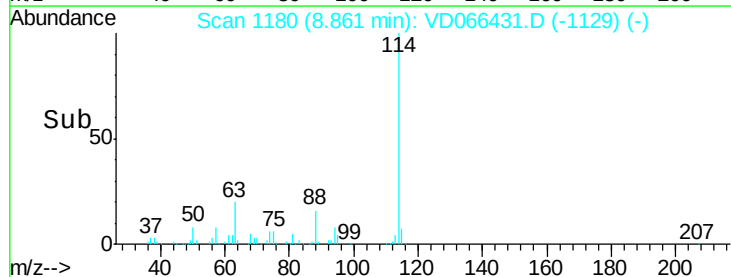
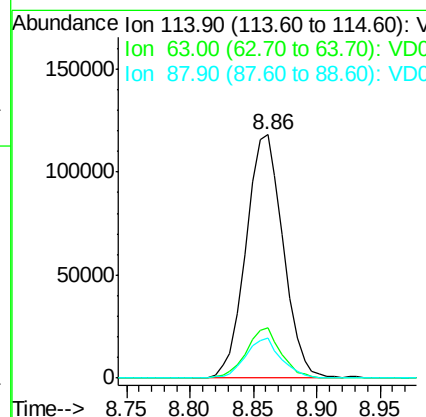
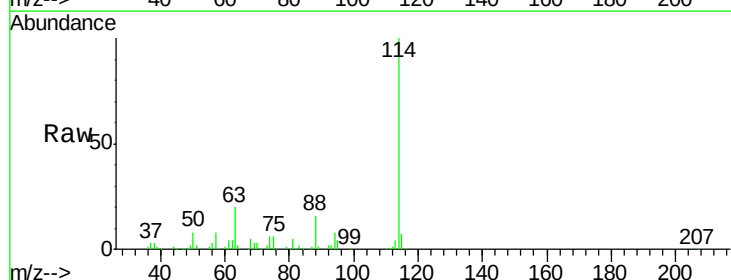
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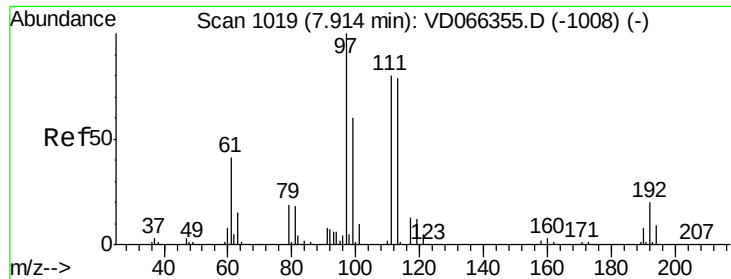
MMDadoda
 8/28/2020 3:19:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	241269		
63	20.4	0.0	40.8	
88	16.5	0.0	35.4	





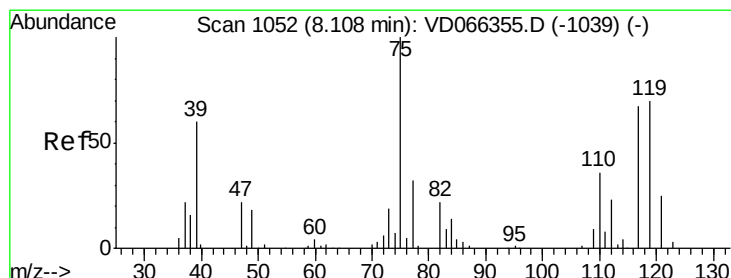
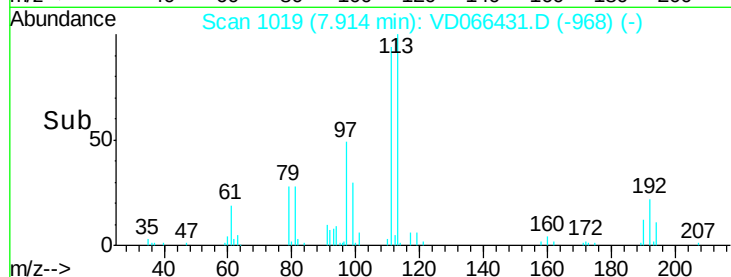
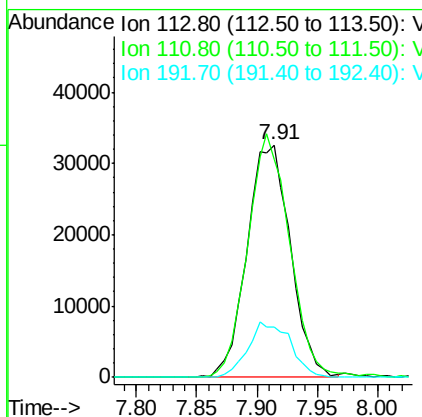
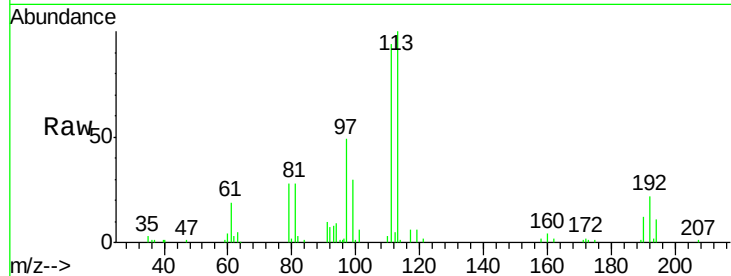
#35
 Dibromofluoromethane
 Concen: 54.017 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.3	120.5
192	23.2	19.0	28.6

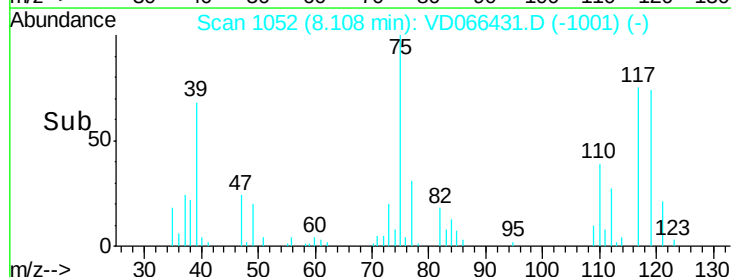
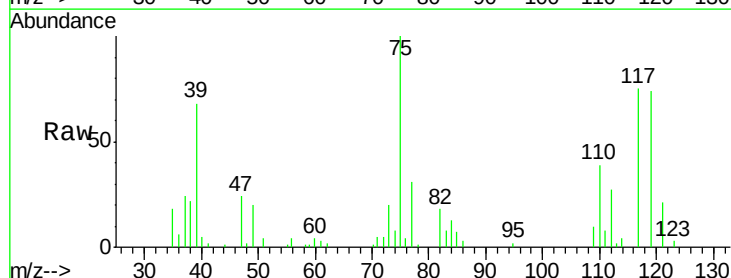
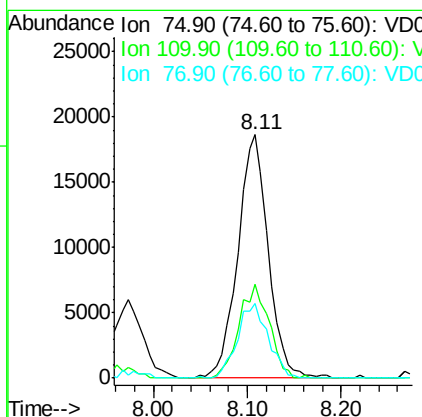
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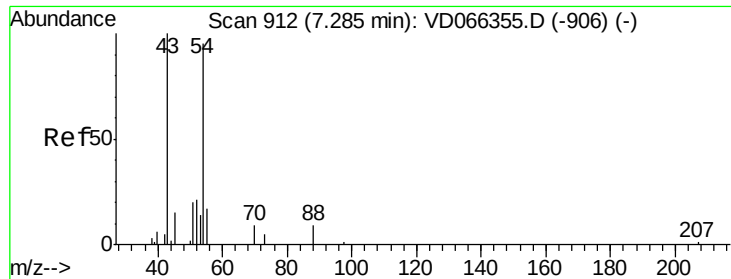
MMDadoda
 8/28/2020 3:19:00 PM



#36
 1,1-Dichloropropene
 Concen: 18.983 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	18.7	56.1
77	30.9	25.2	37.8





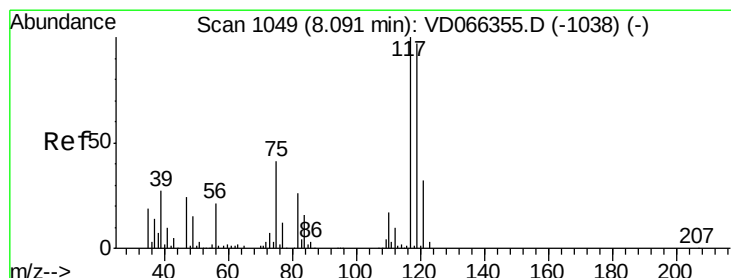
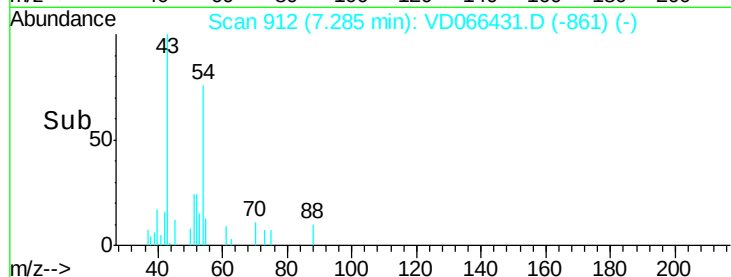
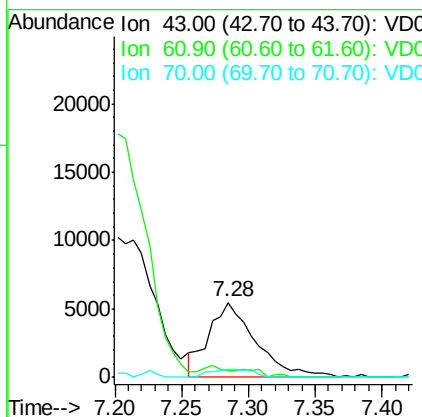
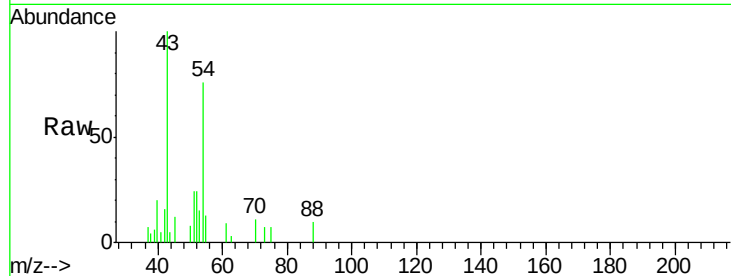
#37
Ethyl Acetate
Concen: 17.873 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.3	19.9#
70	9.9	3.5	5.3#

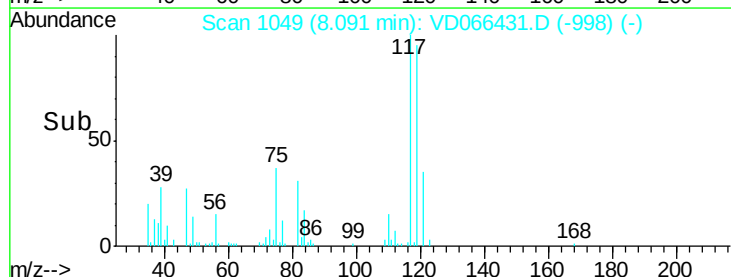
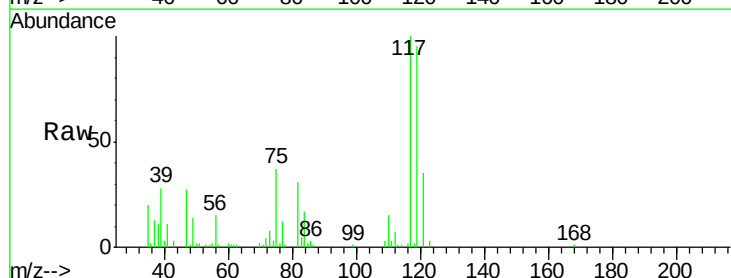
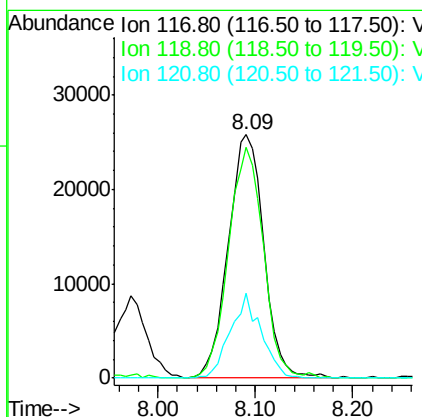
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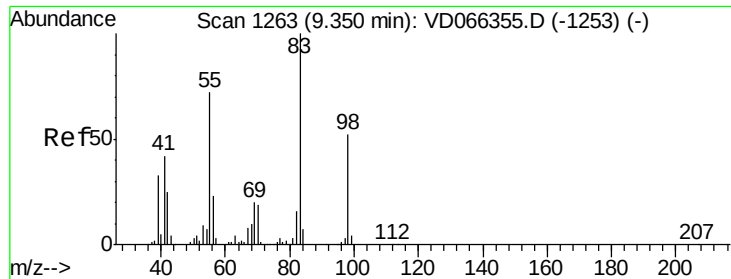
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.808 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.2	115.8
121	35.0	25.8	38.8





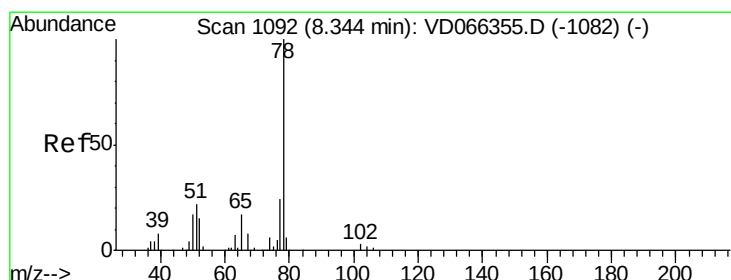
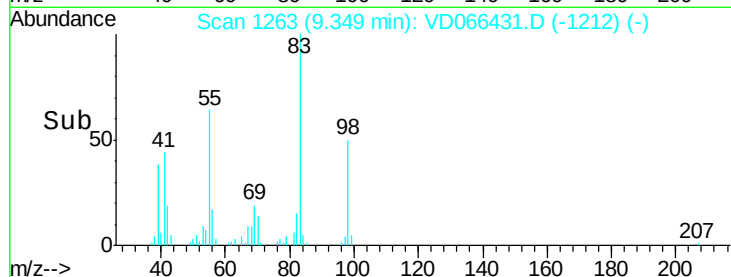
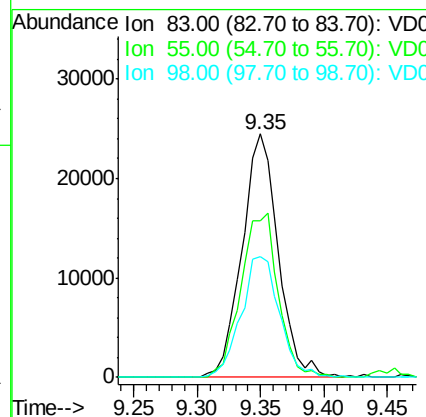
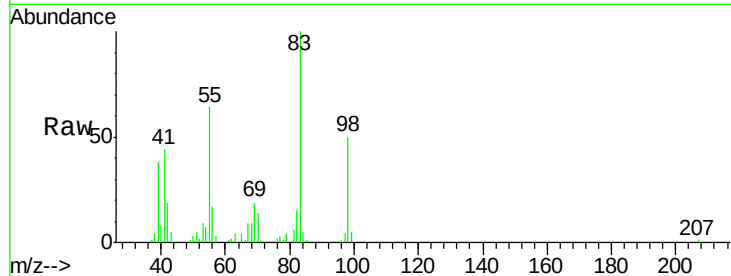
#39
Methylvlcyclohexane
Concen: 18.753 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	83	Resp	48632
Ion Ratio	Lower	Upper	
83	100		
55	64.4	58.0	87.0
98	49.5	41.9	62.9

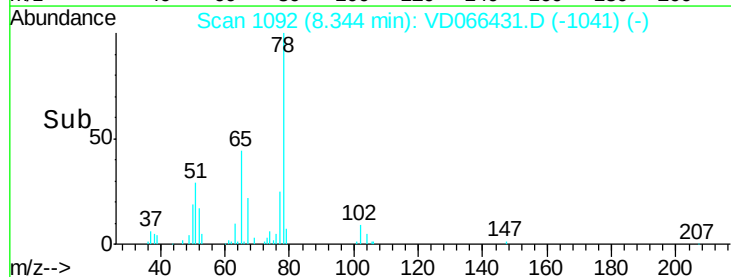
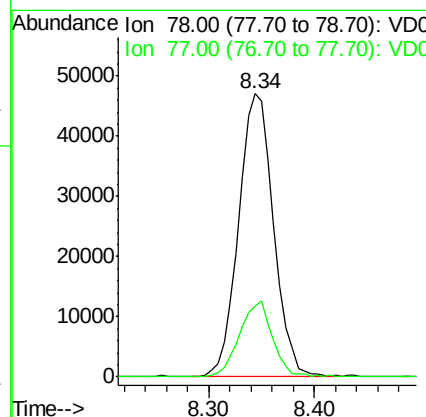
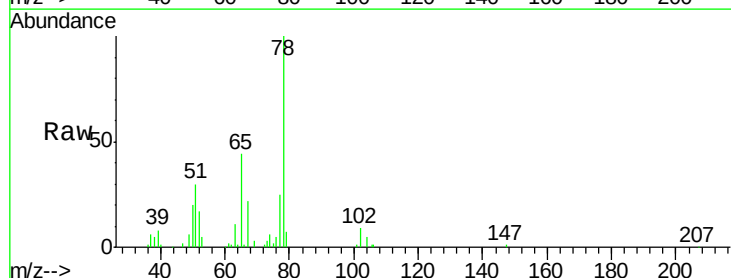
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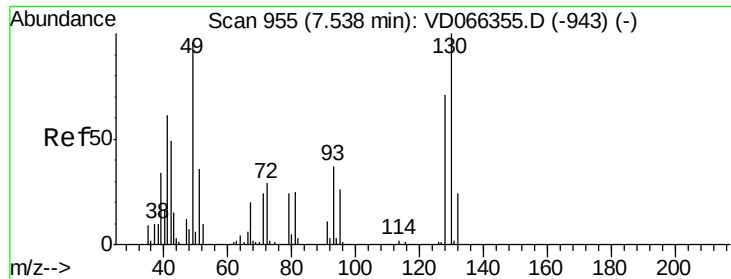
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#40
Benzene
Concen: 18.632 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion	78	Resp	107904
Ion Ratio	Lower	Upper	
78	100		
77	25.2	18.8	28.2





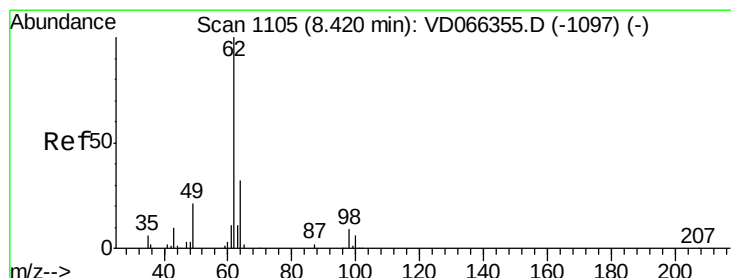
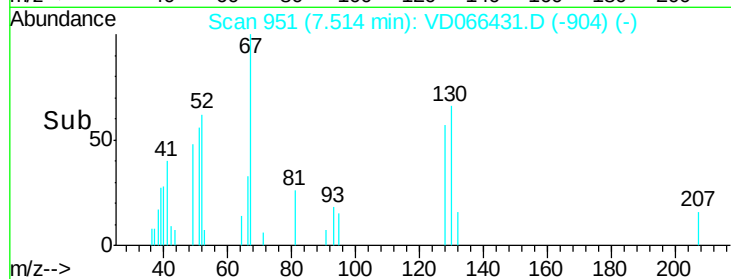
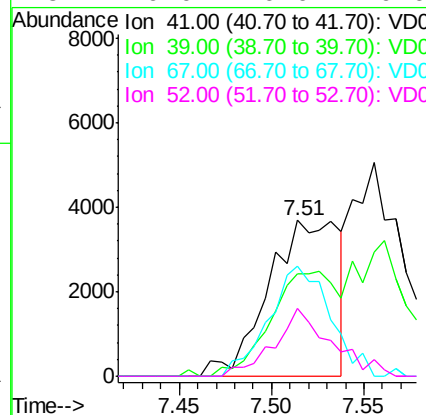
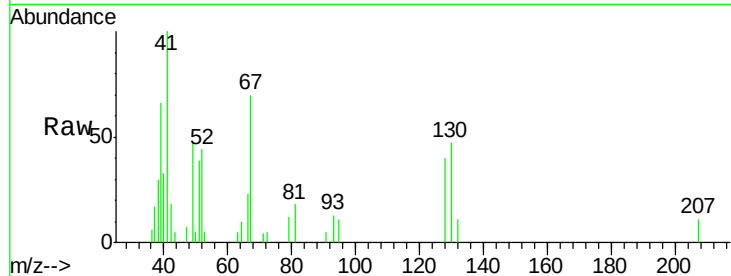
#41
Methacrylonitrile
Concen: 21.458 ug/l m
RT: 7.51 min Scan# 951
Delta R.T. -0.02 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion:	41	Resp:	9908
Ion	Ratio	Lower	Upper
41	100		
39	65.5	51.8	77.8
67	0.0	0.0	0.0
52	0.0	0.0	0.0

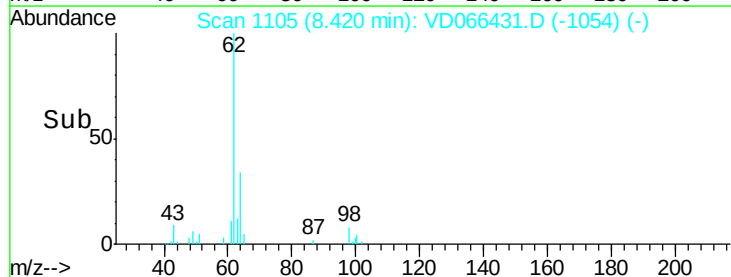
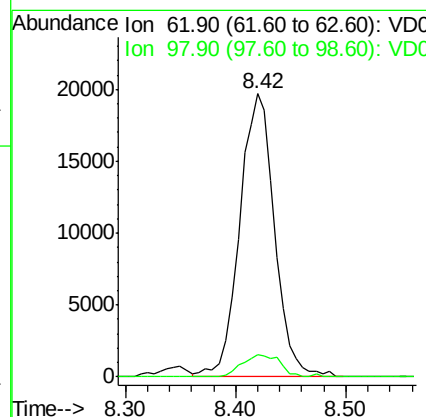
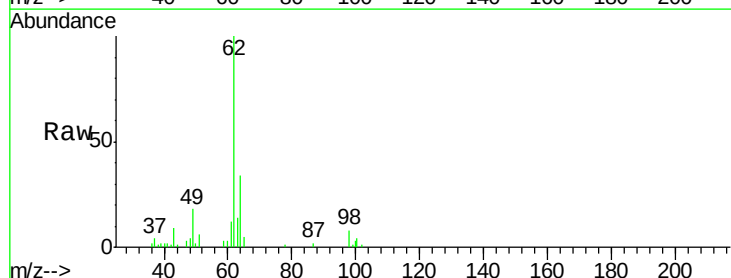
Manual Integrations
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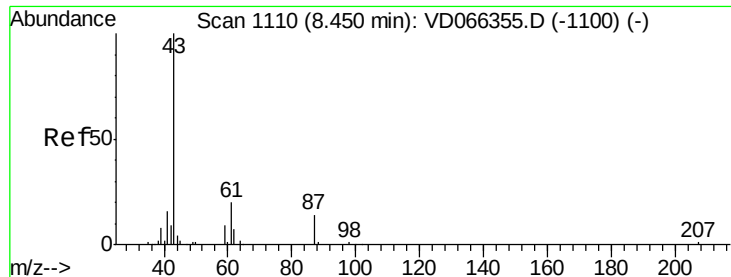
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#42
1,2-Dichloroethane
Concen: 21.390 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion:	62	Resp:	43630
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.2





#43

Isopropyl Acetate

Concen: 17.388 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

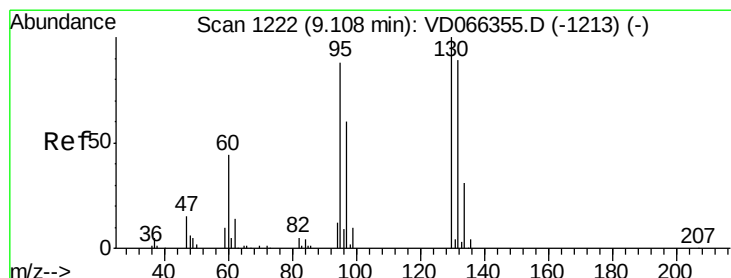
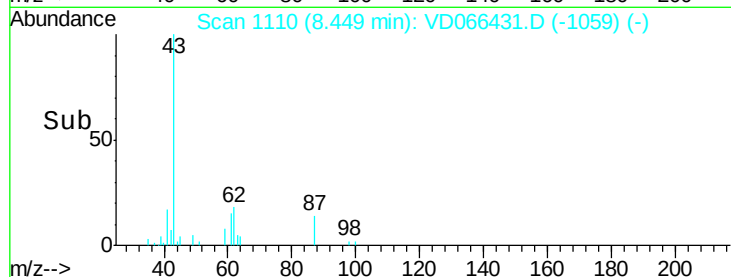
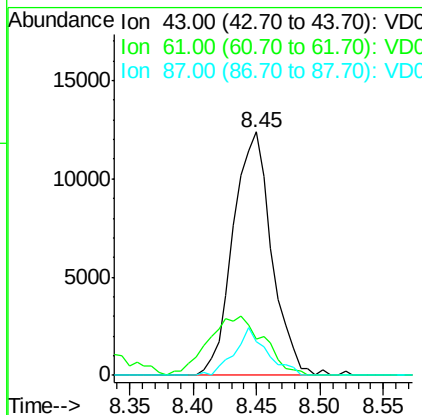
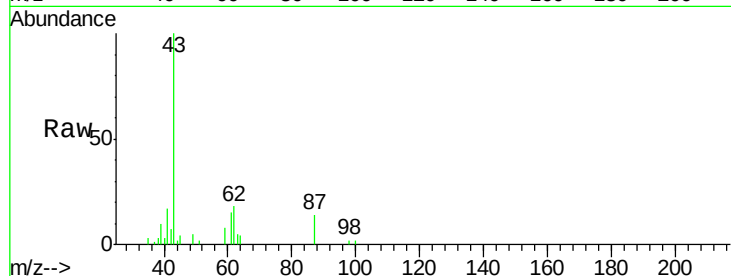
ClientSampleId :

VD0827SBS01

Tot Ion:	43	Resp:	26131
Ion	Ratio	Lower	Upper
43	100		
61	35.5	26.5	39.7
87	16.2	11.9	17.9

Manual Integrations
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#44

Trichloroethene

Concen: 19.540 ug/l

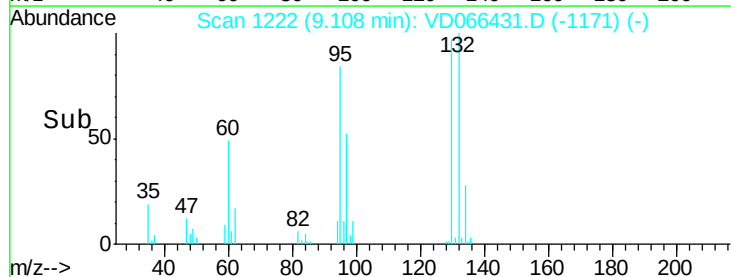
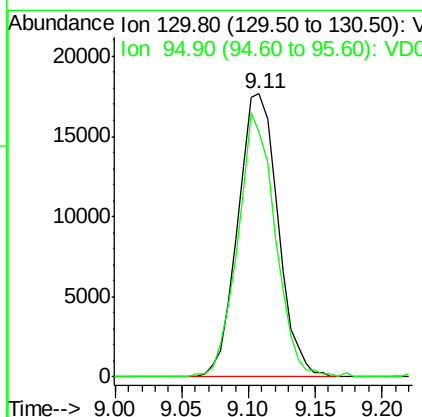
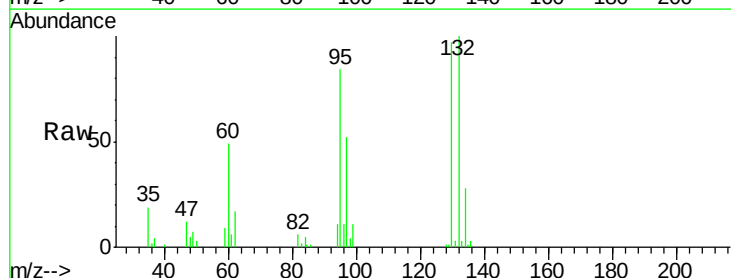
RT: 9.11 min Scan# 1222

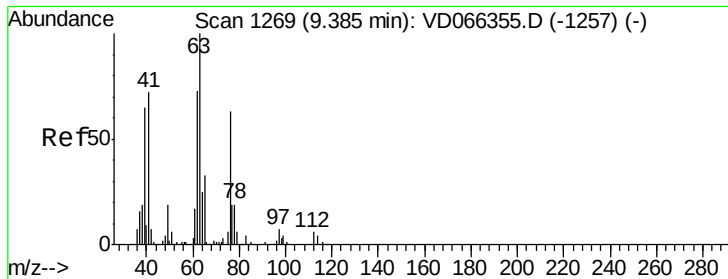
Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Tgt Ion:	130	Resp:	36770
Ion	Ratio	Lower	Upper
130	100		
95	86.5	0.0	175.6





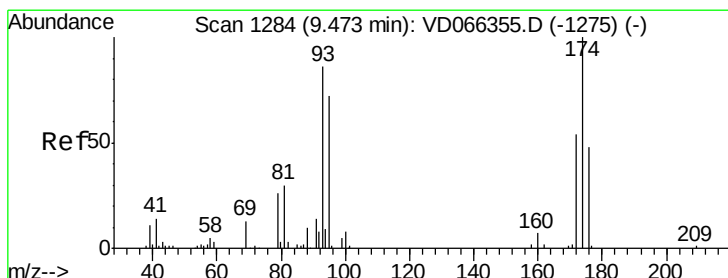
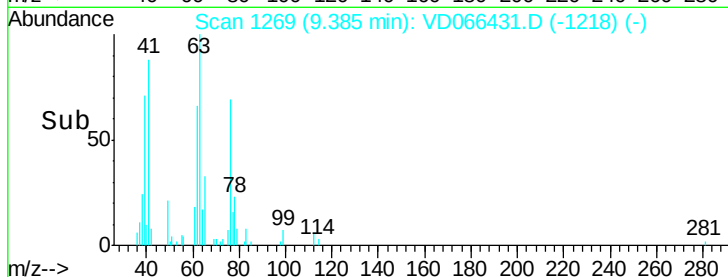
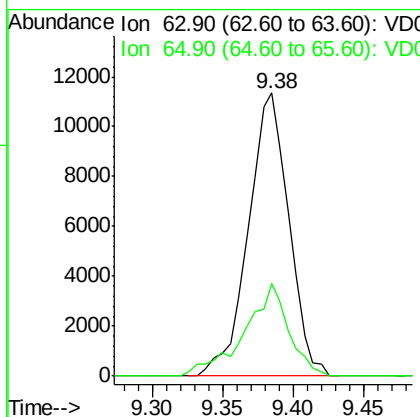
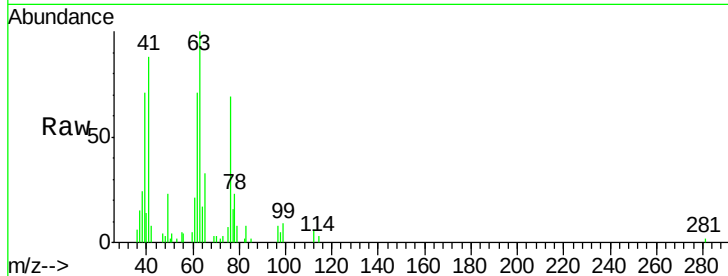
#45
 1,2-Dichloropropane
 Concen: 17.409 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	26.4	39.6

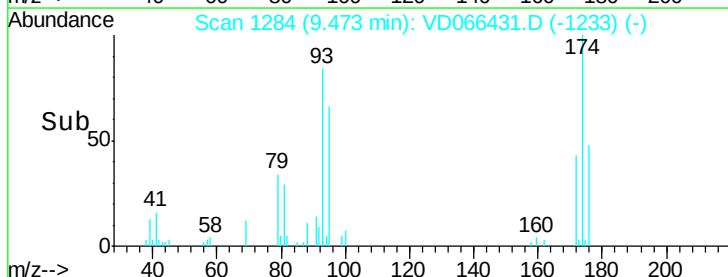
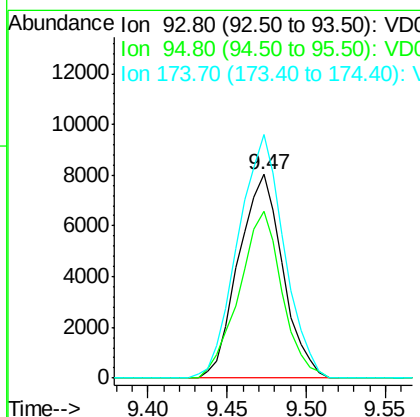
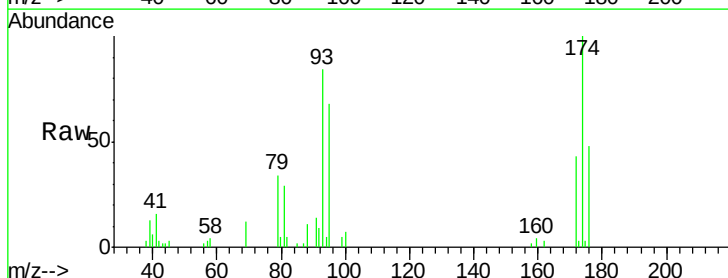
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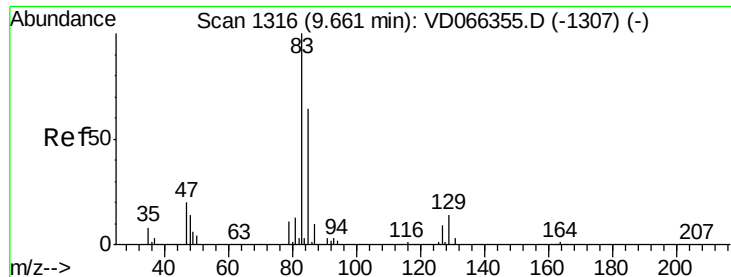
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#46
 Dibromomethane
 Concen: 19.063 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.4	66.0	99.0
174	124.1	94.6	141.8





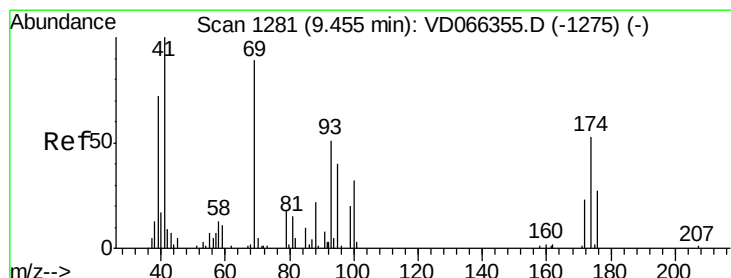
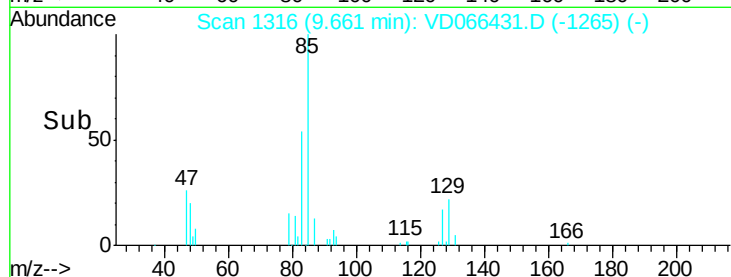
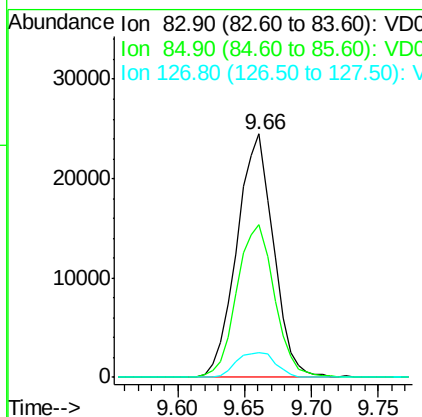
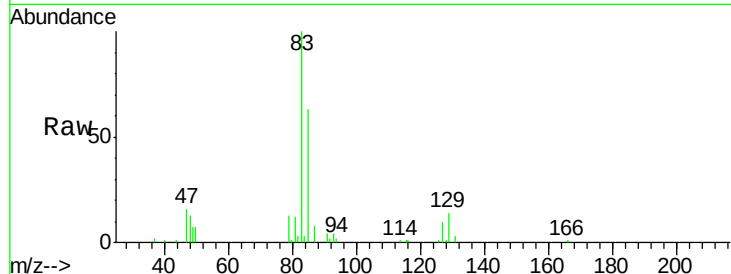
#47
Bromodichloromethane
Concen: 20.650 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	46421		
85	62.7		51.4	77.0
127	10.3		7.4	11.0

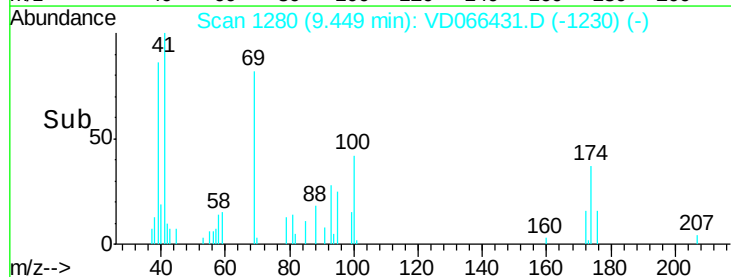
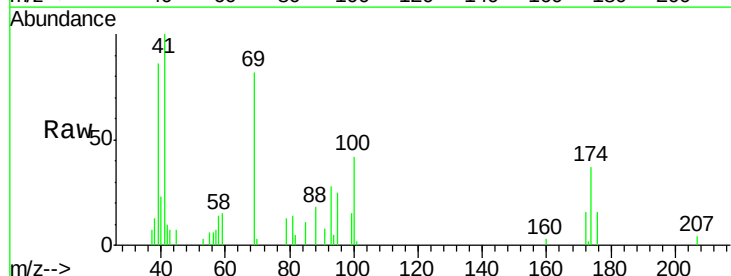
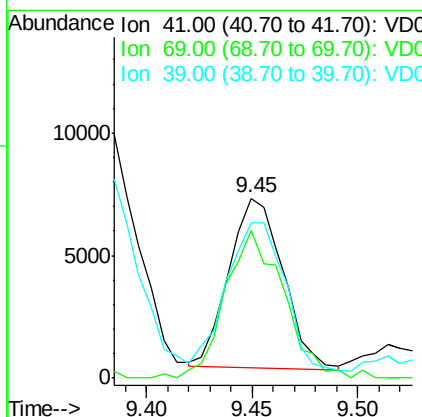
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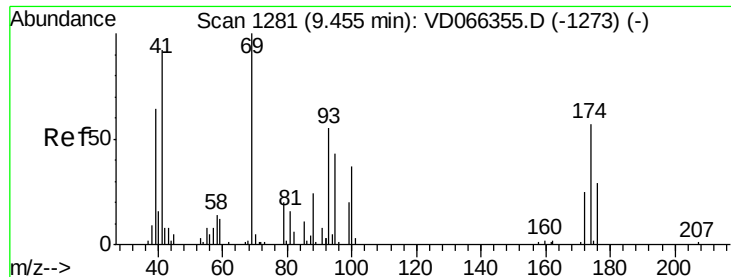
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#48
Methyl methacrylate
Concen: 15.859 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	12290		
69	94.5		75.5	113.3
39	95.0		57.0	85.4#





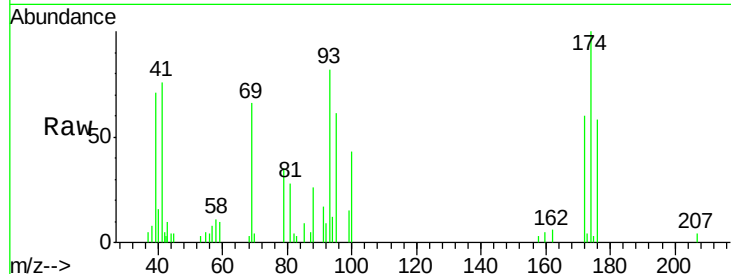
#49
1,4-Dioxane
Concen: 384.436 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

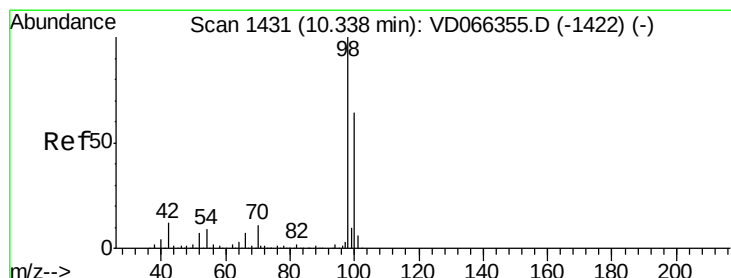
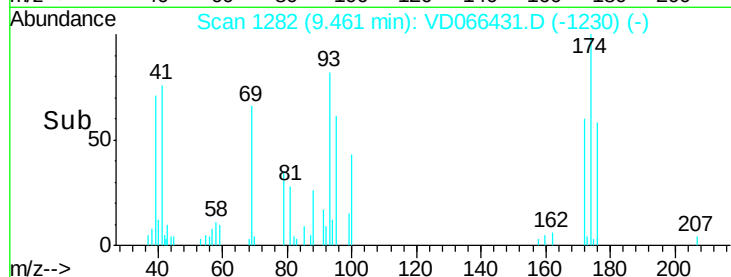
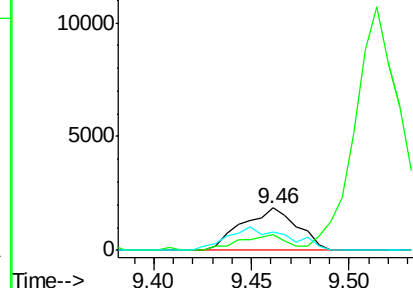
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	29.4	44.0
58	59.8	45.4	68.2

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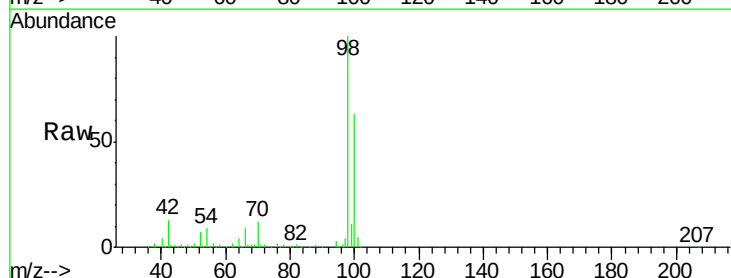


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

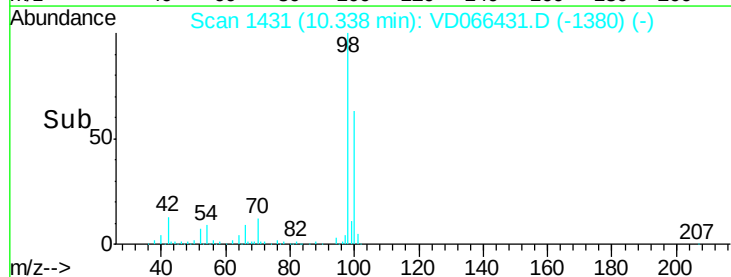
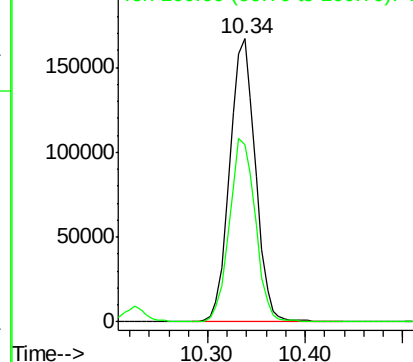


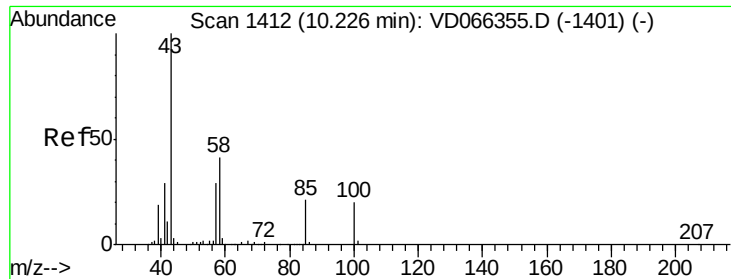
#50
Toluene-d8
Concen: 55.083 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4



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





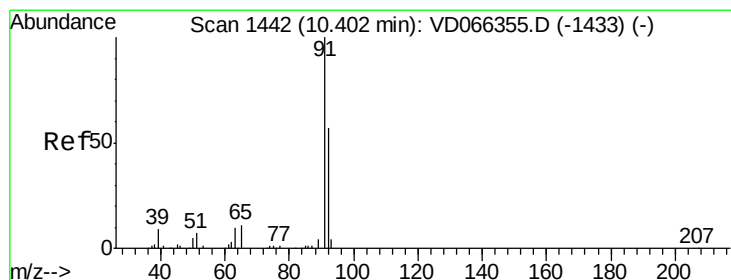
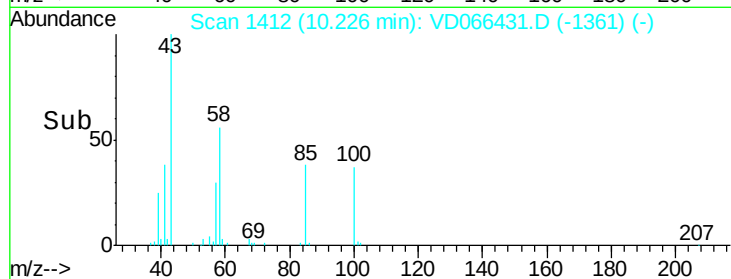
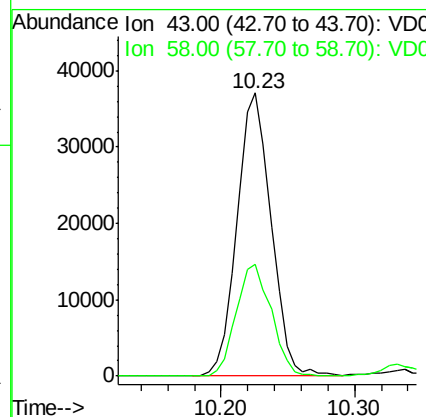
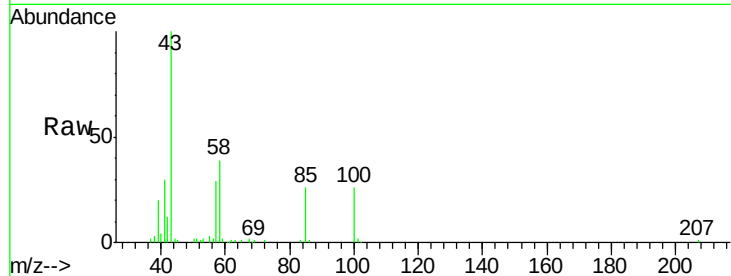
#51
 4-Methyl-2-Pentanone
 Concen: 90.456 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	43	Resp	65762
Ion Ratio	100	Lower	Upper
43	100		
58	40.5	31.4	47.2

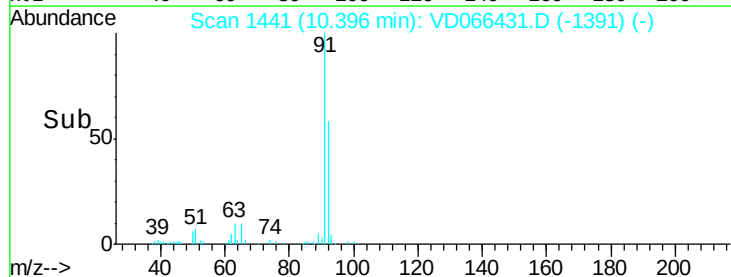
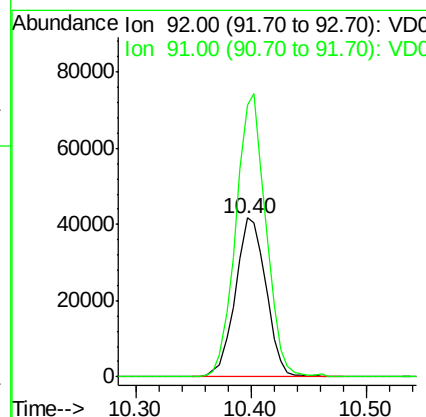
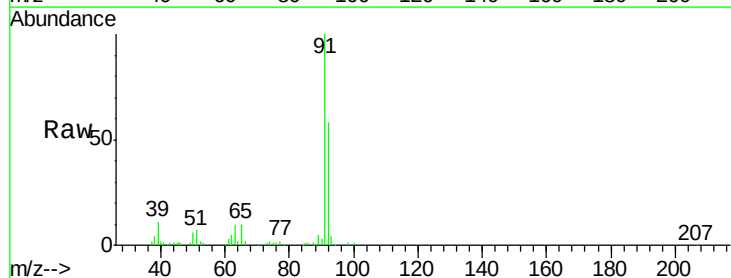
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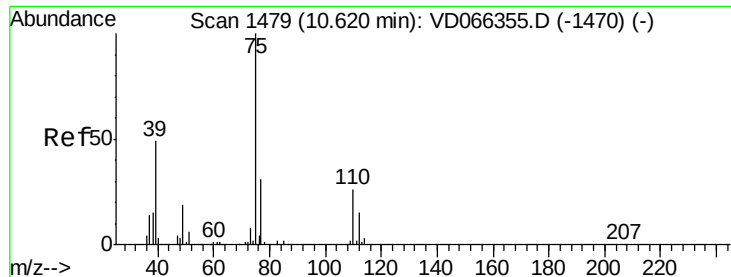
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#52
 Toluene
 Concen: 19.628 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion	92	Resp	77012
Ion Ratio	100	Lower	Upper
92	100		
91	172.9	135.8	203.6





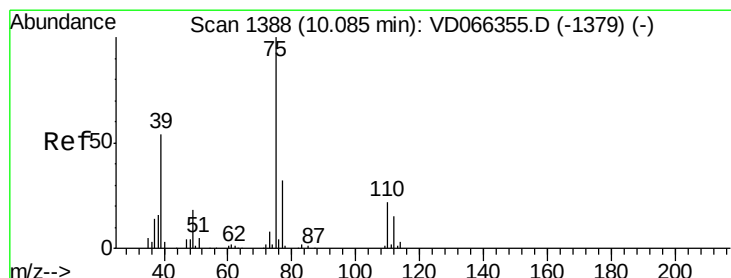
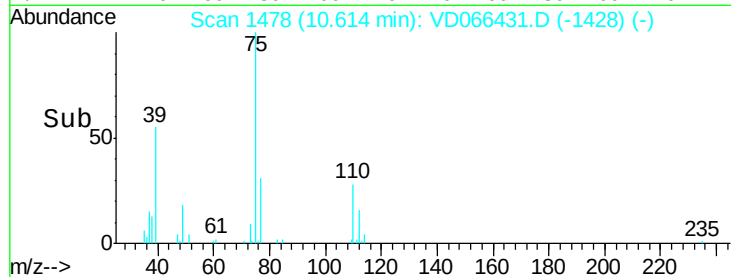
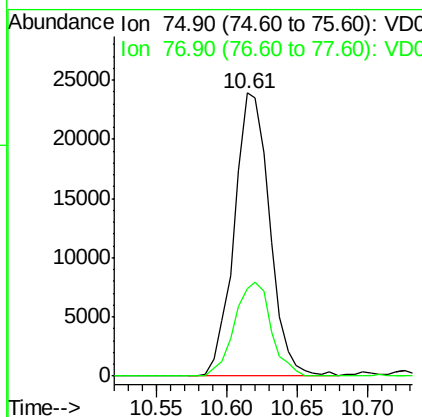
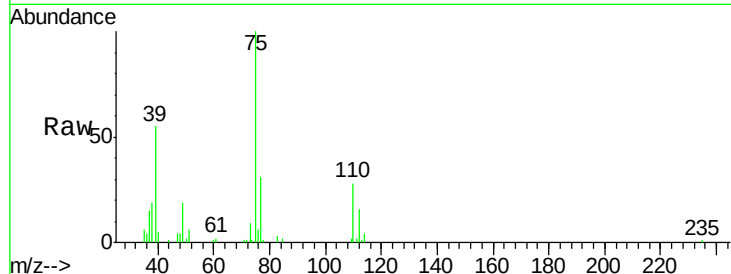
#53
t-1,3-Dichloropropene
Concen: 19.688 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion: 75 Resp: 41996
Ion Ratio Lower Upper
75 100
77 31.0 24.5 36.7

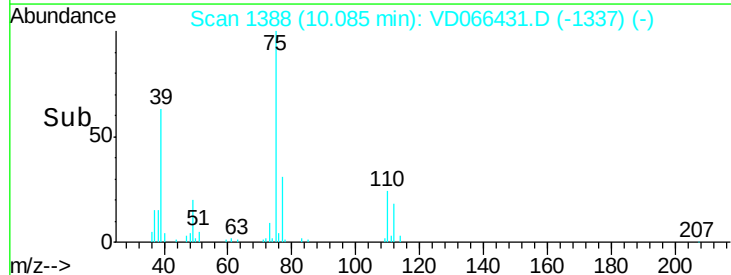
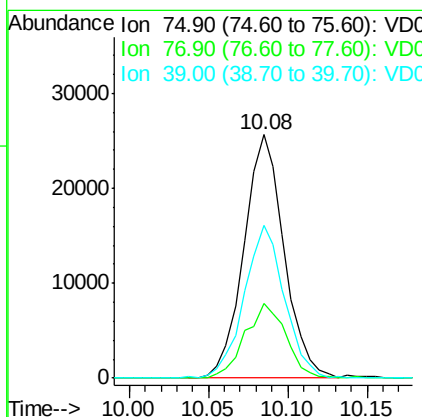
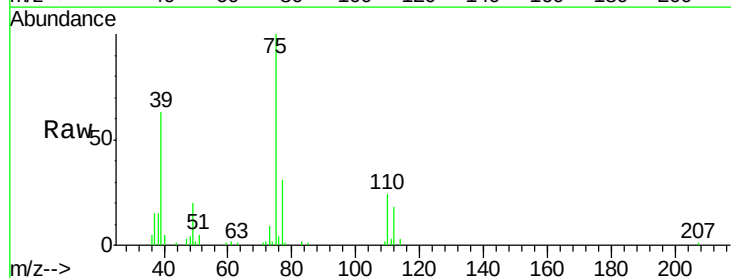
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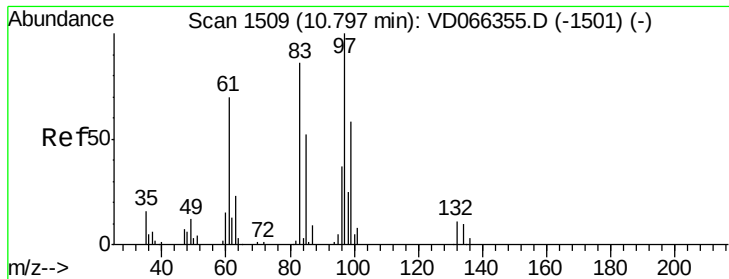
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#54
cis-1,3-Dichloropropene
Concen: 18.794 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion: 75 Resp: 44998
Ion Ratio Lower Upper
75 100
77 30.7 25.6 38.4
39 62.1 43.4 65.0





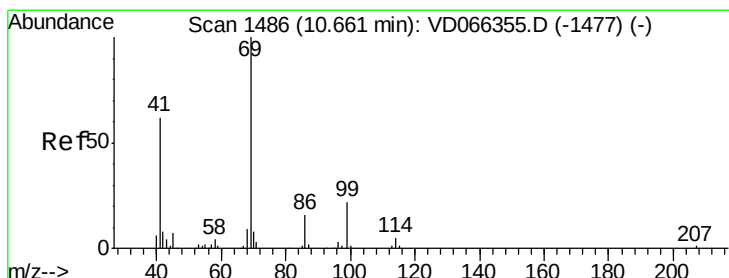
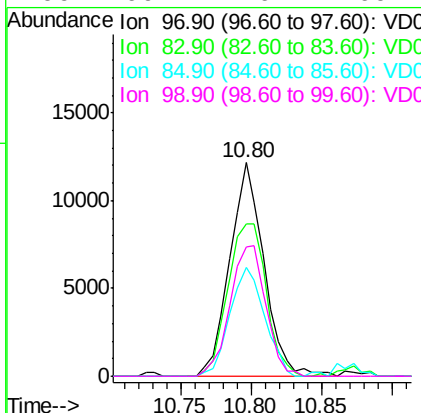
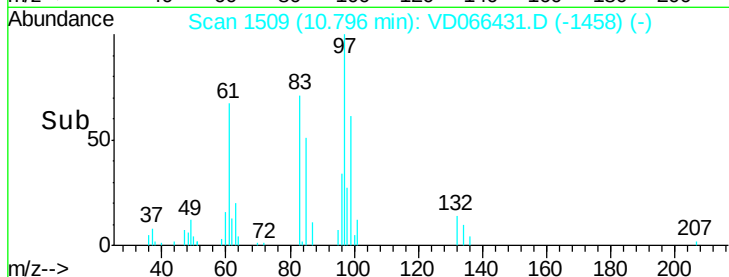
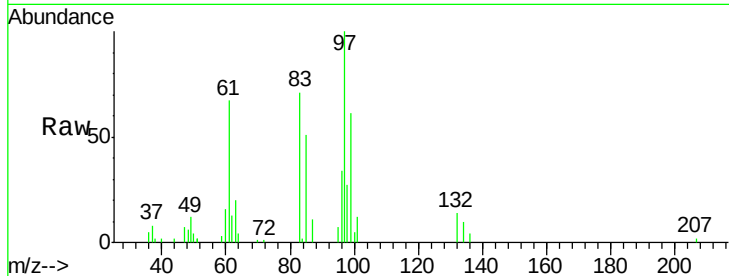
#55
 1,1,2-Trichloroethane
 Concen: 18.543 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion:	97	Resp:	20520
Ion	Ratio	Lower	Upper
97	100		
83	71.4	68.4	102.6
85	51.0	41.3	61.9
99	60.7	46.1	69.1

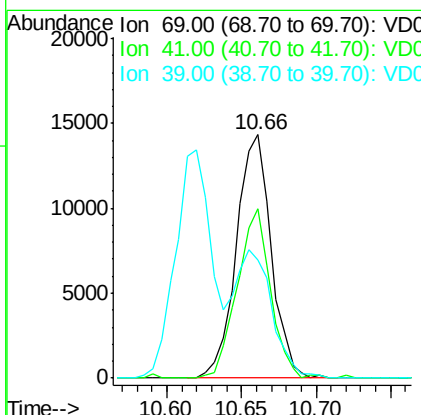
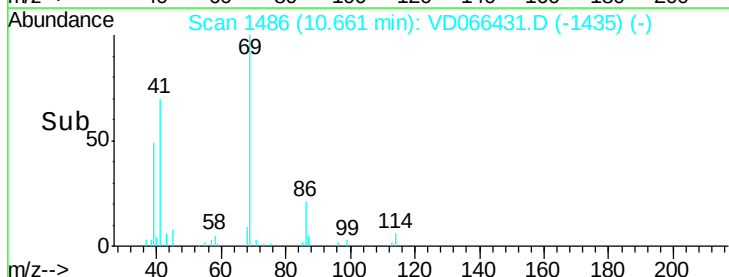
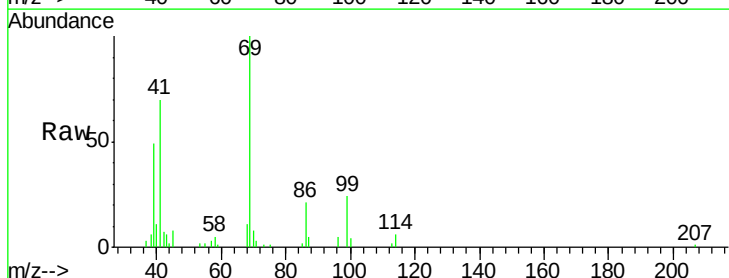
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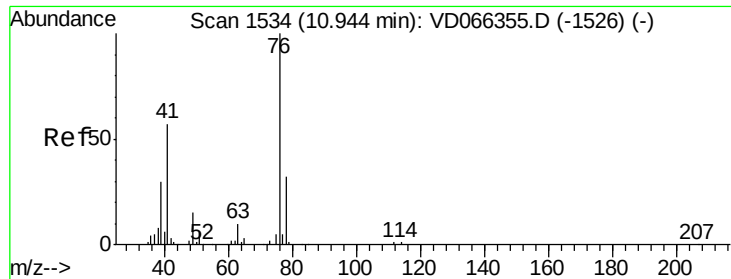
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#56
 Ethyl methacrylate
 Concen: 18.073 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion:	69	Resp:	23152
Ion	Ratio	Lower	Upper
69	100		
41	66.6	50.8	76.2
39	57.1	32.9	49.3#





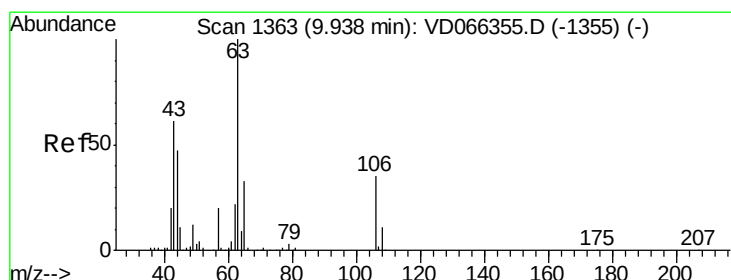
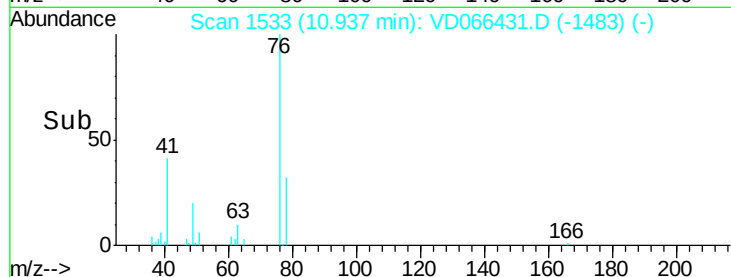
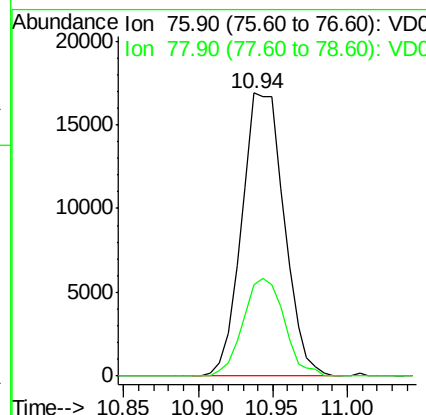
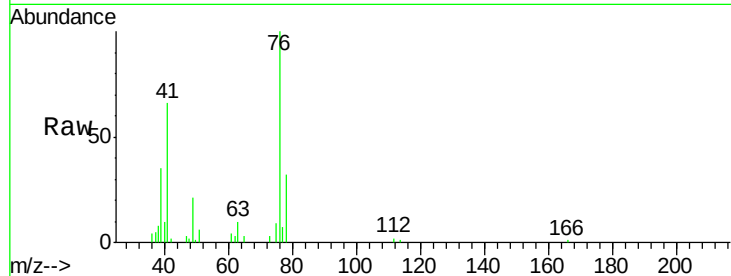
#57
 1,3-Dichloropropane
 Concen: 18.123 ug/l
 RT: 10.94 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion: 76 Resp: 33173
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.6 38.4

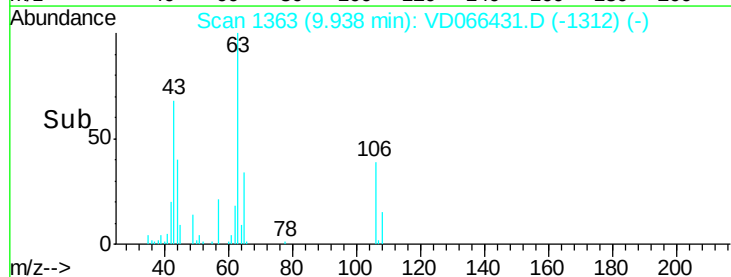
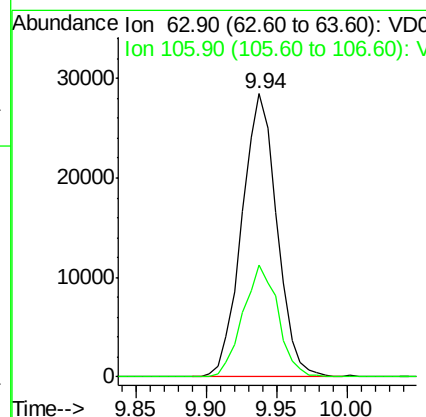
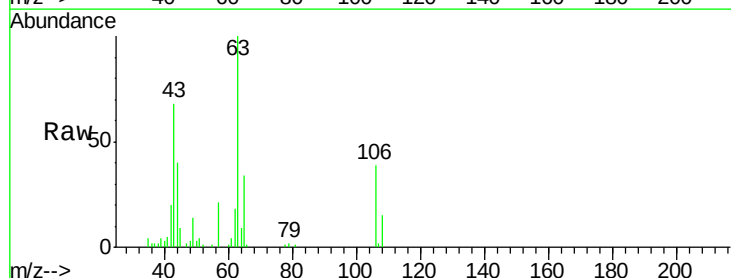
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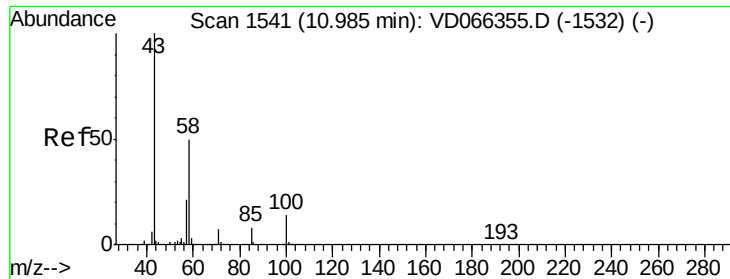
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#58
 2-Chloroethyl Vinyl ether
 Concen: 93.322 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion: 63 Resp: 49653
 Ion Ratio Lower Upper
 63 100
 106 39.5 27.1 40.7





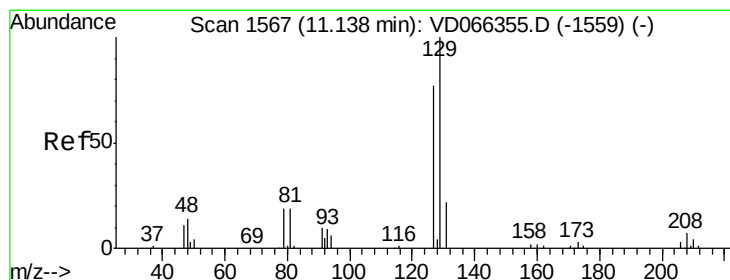
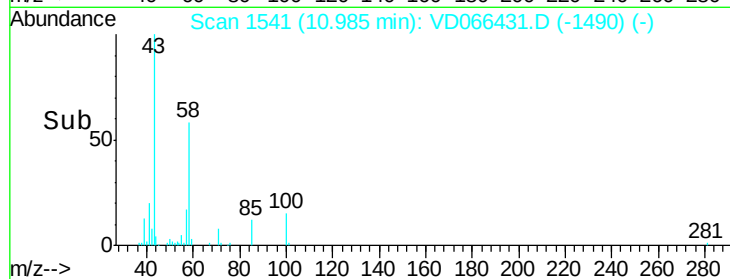
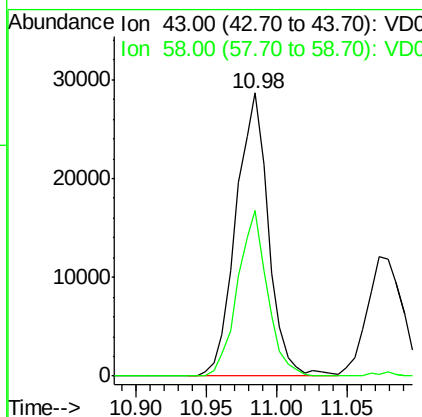
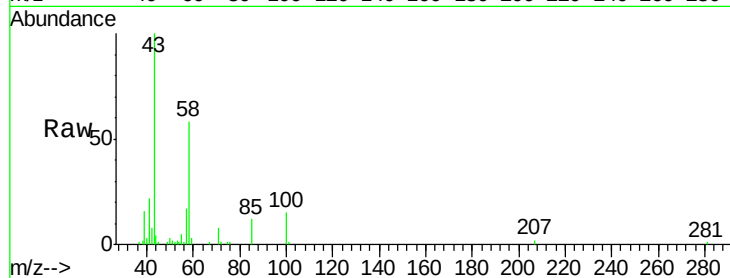
#59
2-Hexanone
Concen: 90.034 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion: 43 Resp: 46170
Ion Ratio Lower Upper
43 100
58 53.3 26.3 78.8

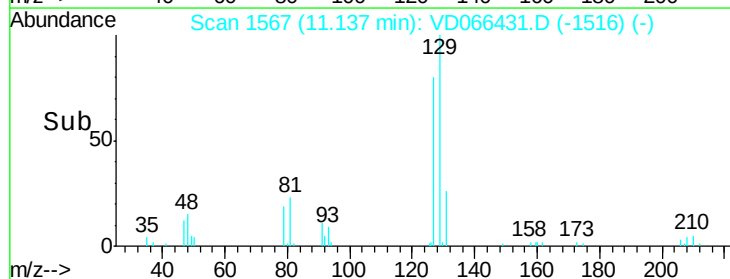
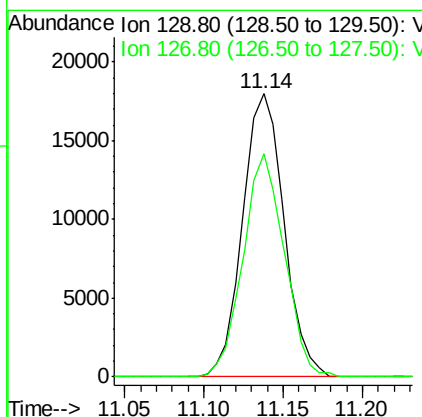
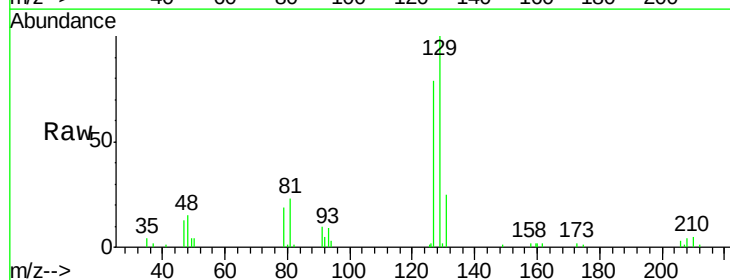
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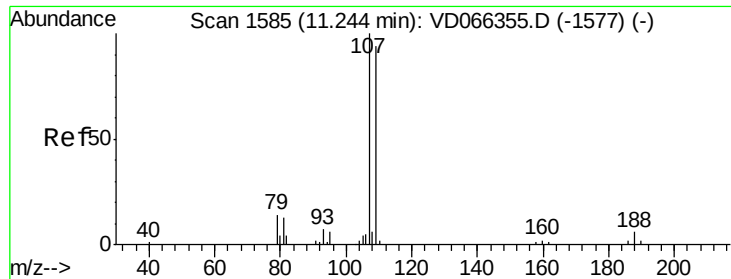
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8/28/2020 3:19:00 PM



#60
Dibromochloromethane
Concen: 19.600 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion: 129 Resp: 32694
Ion Ratio Lower Upper
129 100
127 78.5 39.0 117.0





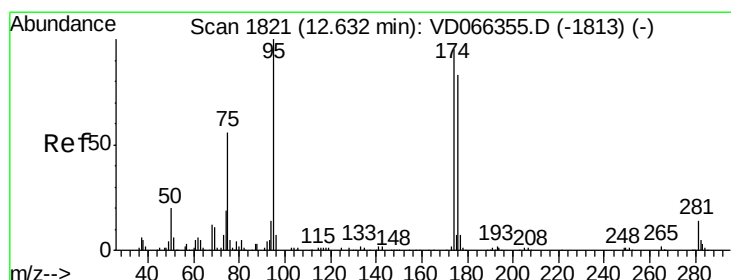
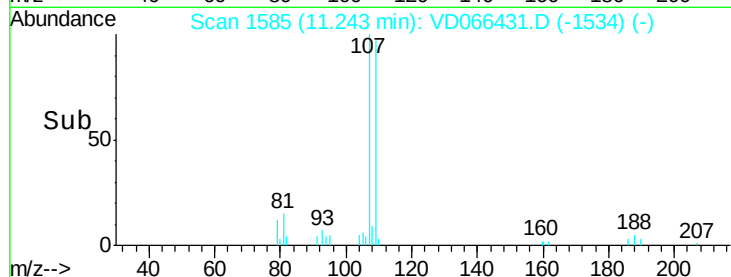
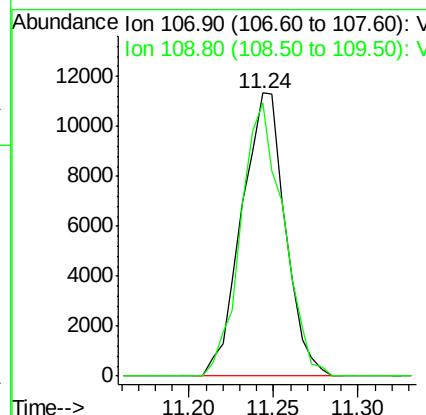
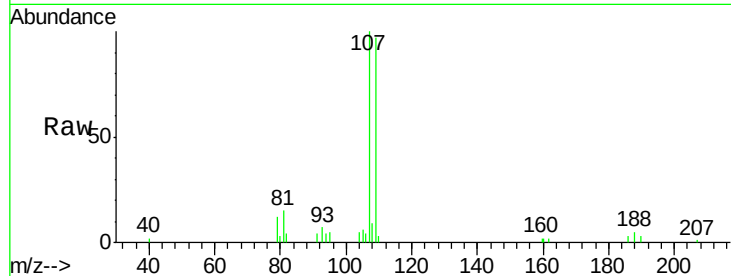
#61
 1,2-Dibromoethane
 Concen: 18.752 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	77.8	116.8

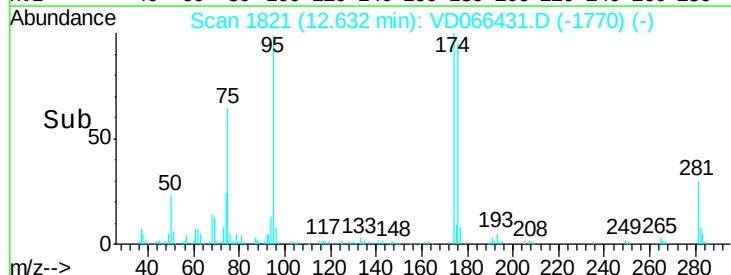
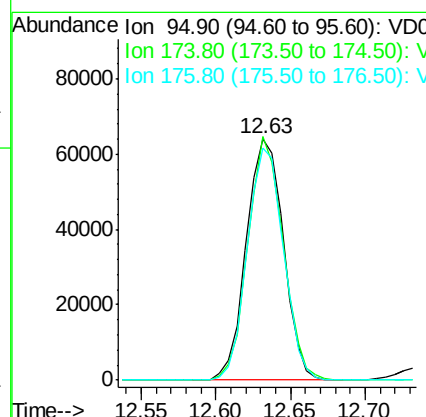
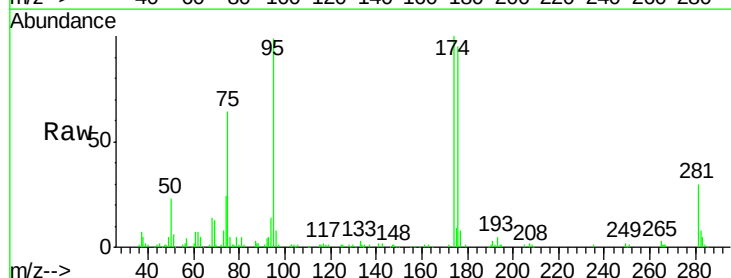
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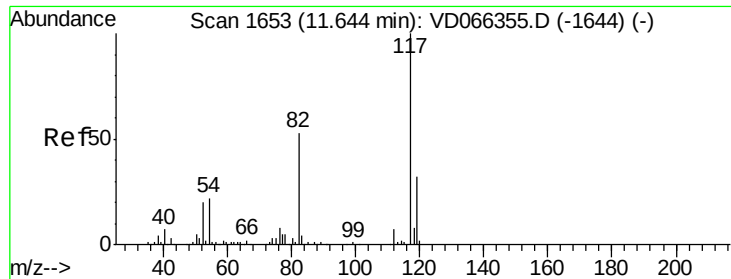
MMDadoda
 8/28/2020 3:19:00 PM



#62
 4-Bromofluorobenzene
 Concen: 56.194 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.6	0.0	183.4
176	93.6	0.0	173.8





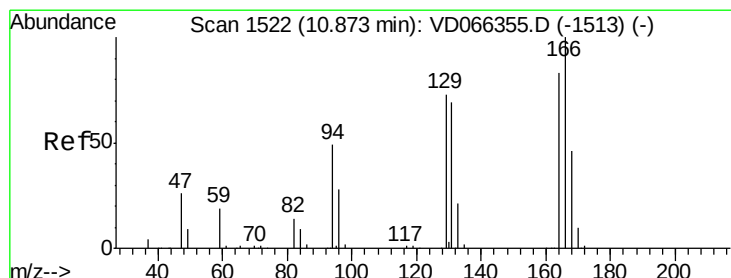
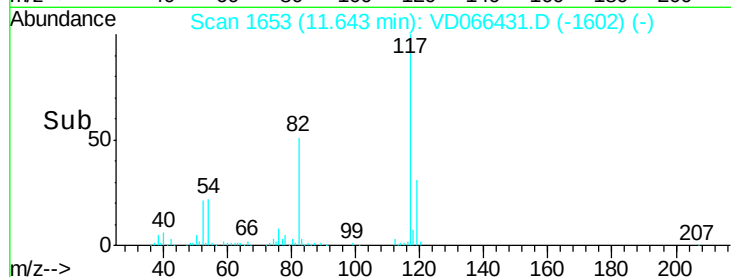
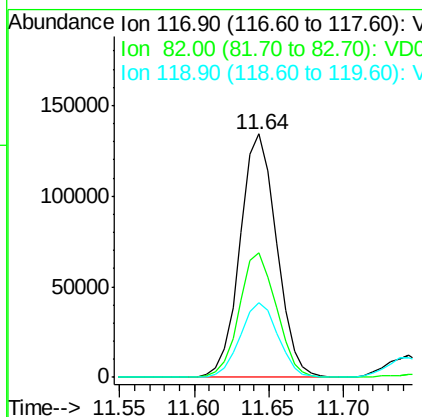
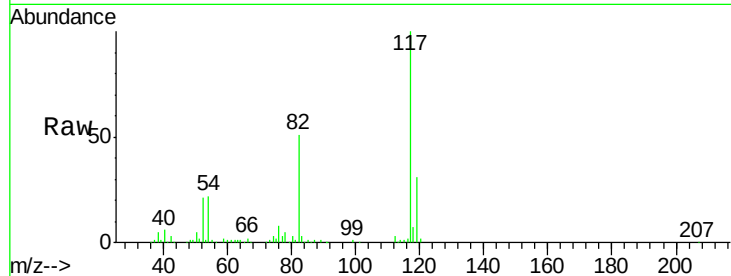
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	228668		
82	51.1		42.8	64.2
119	30.8		25.8	38.8

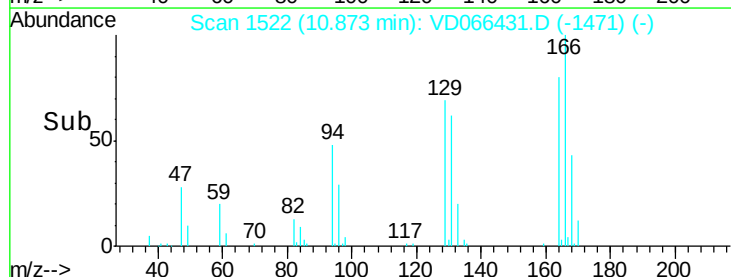
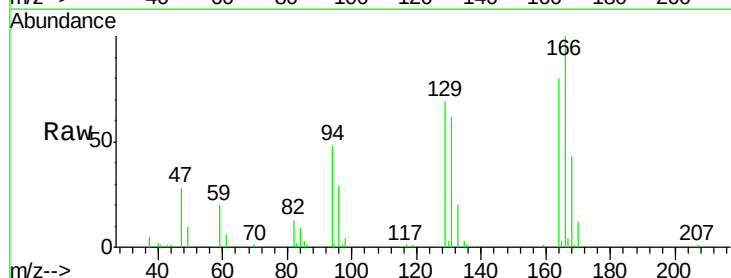
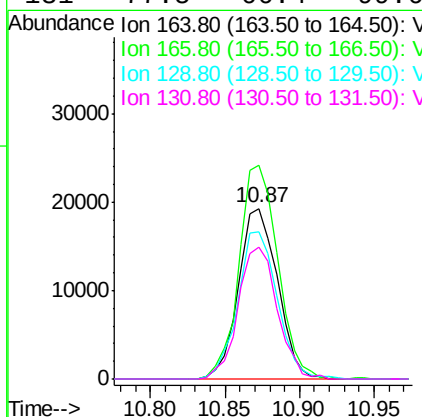
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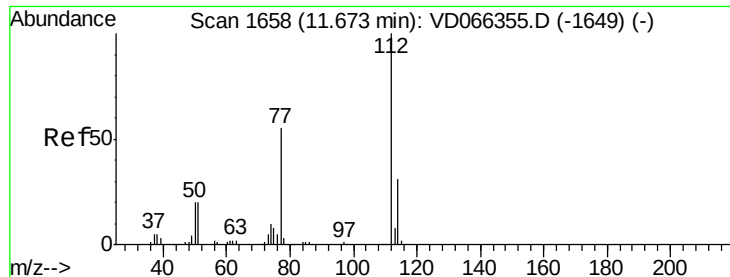
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#64
Tetrachloroethene
Concen: 20.090 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34849		
166	125.4		96.2	144.4
129	86.1		70.3	105.5
131	77.5		66.4	99.6





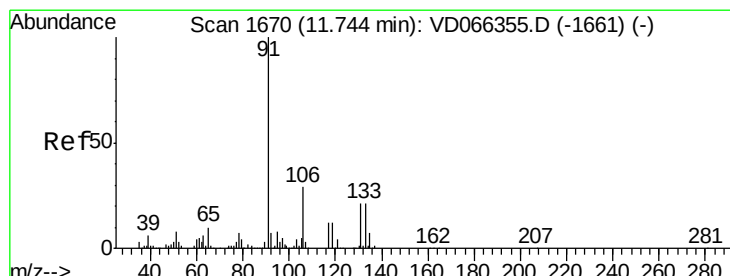
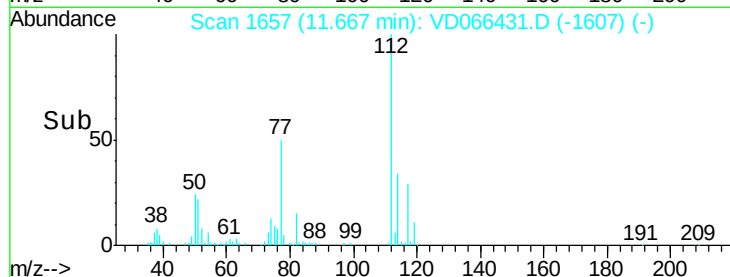
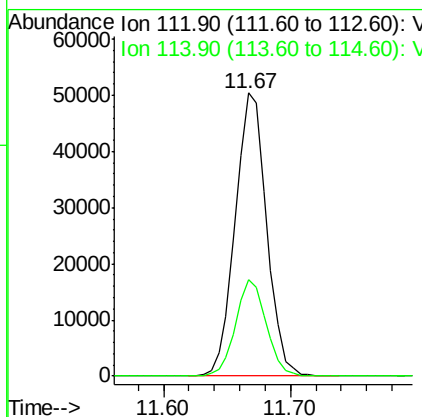
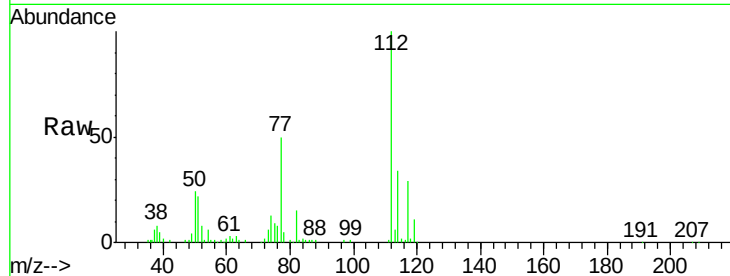
#65
Chlorobenzene
Concen: 18.979 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion:112 Resp: 86343
Ion Ratio Lower Upper
112 100
114 34.2 25.1 37.7

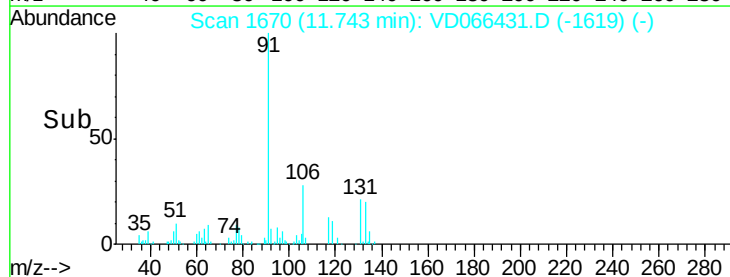
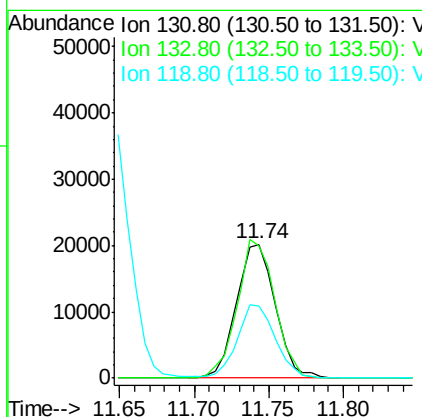
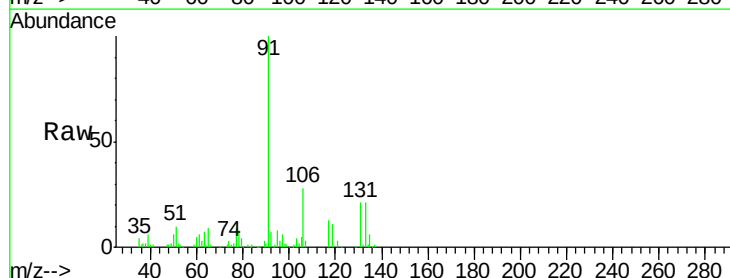
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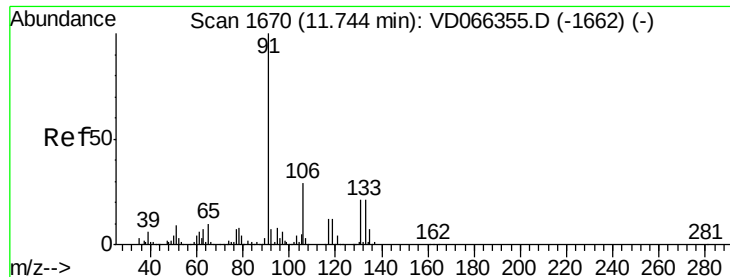
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.584 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion:131 Resp: 36410
Ion Ratio Lower Upper
131 100
133 100.2 48.6 145.9
119 54.1 29.0 87.1





#67

Ethyl Benzene

Concen: 19.125 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 91 Resp: 153151

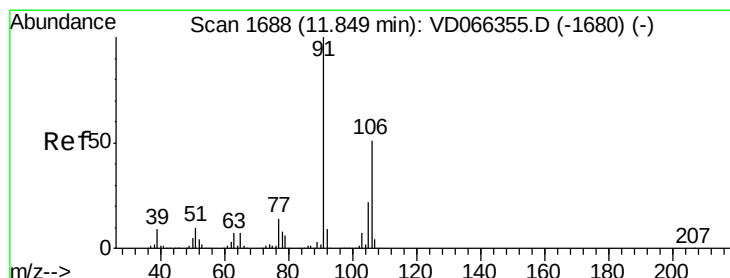
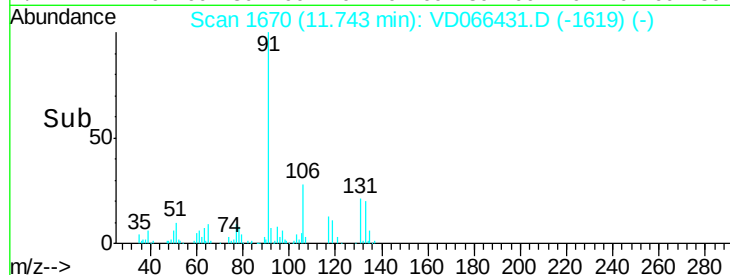
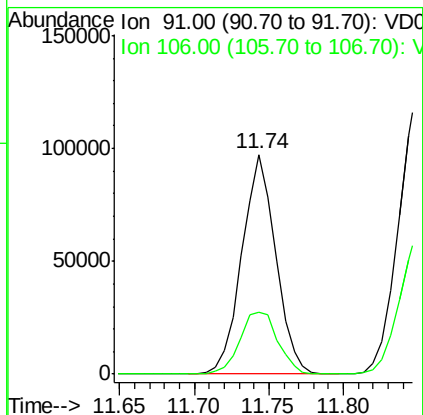
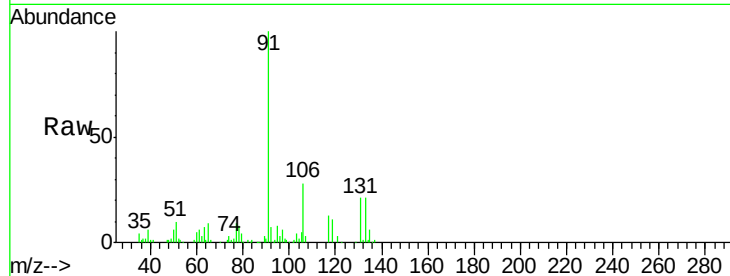
Ion Ratio Lower Upper

91 100

106 28.2 23.4 35.2

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#68

m/p-Xylenes

Concen: 39.652 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066431.D

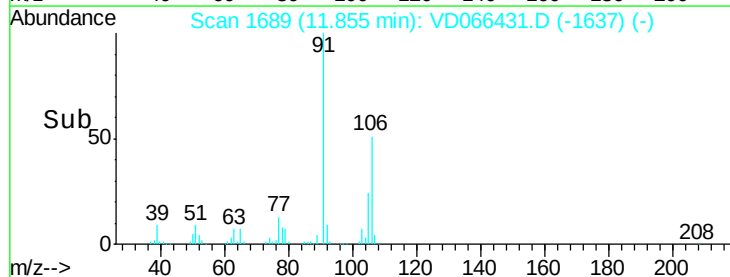
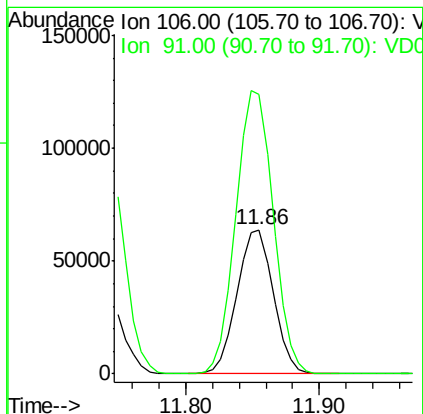
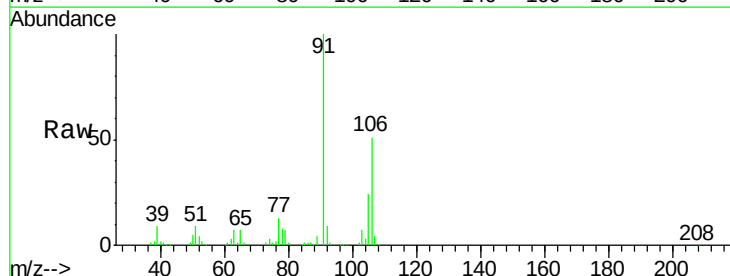
Acq: 27 Aug 2020 12:39

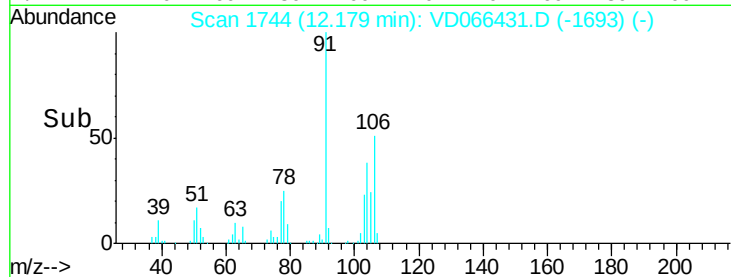
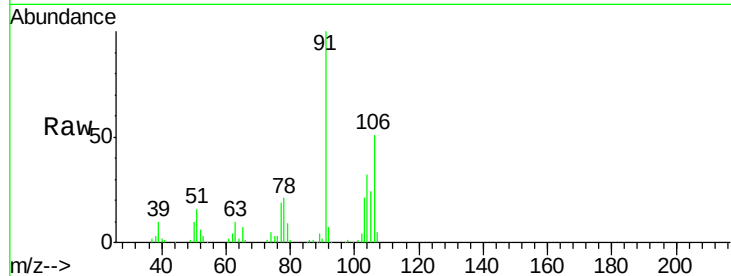
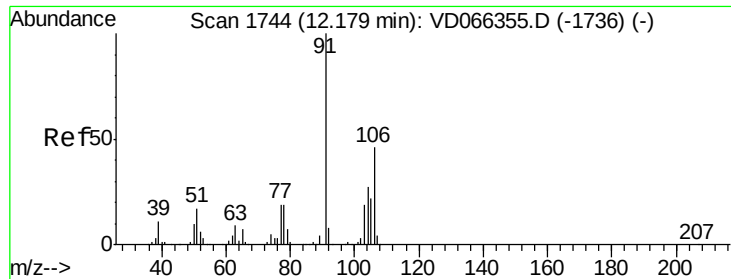
Tgt Ion: 106 Resp: 121029

Ion Ratio Lower Upper

106 100

91 201.7 160.7 241.1





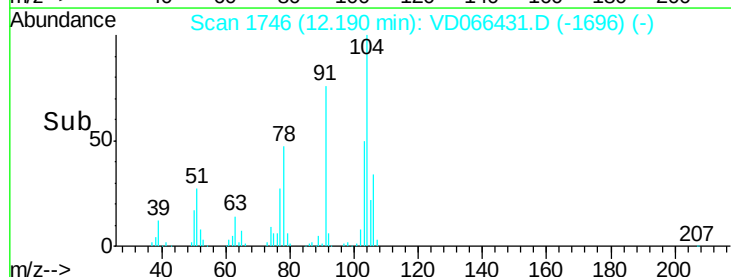
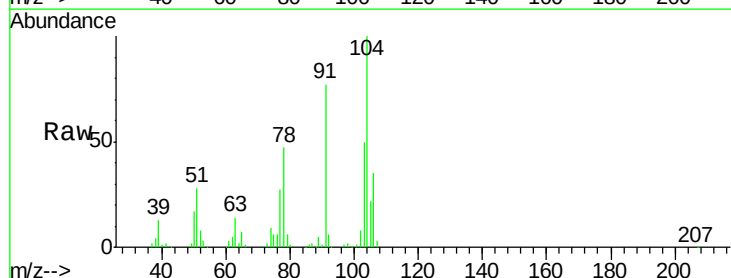
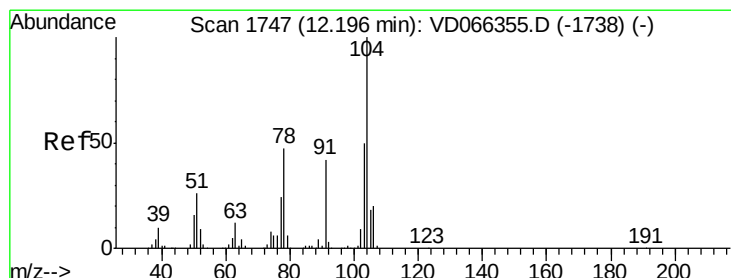
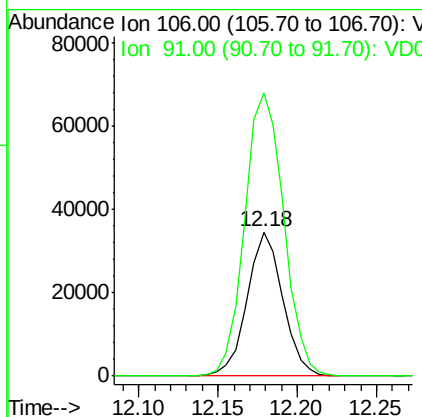
#69
o-Xylene
Concen: 19.019 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tot Ion:106 Resp: 54004
Ion Ratio Lower Upper
106 100
91 215.2 109.1 327.3

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

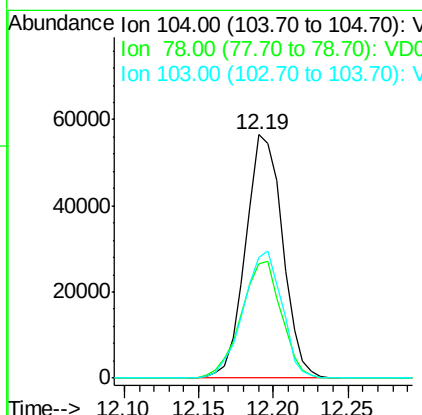
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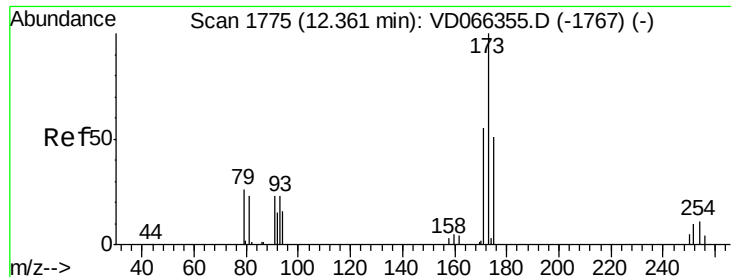
MMDadoda
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#70
Styrene
Concen: 19.832 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion:104 Resp: 96692
Ion Ratio Lower Upper
104 100
78 52.1 41.7 62.5
103 54.6 43.5 65.3





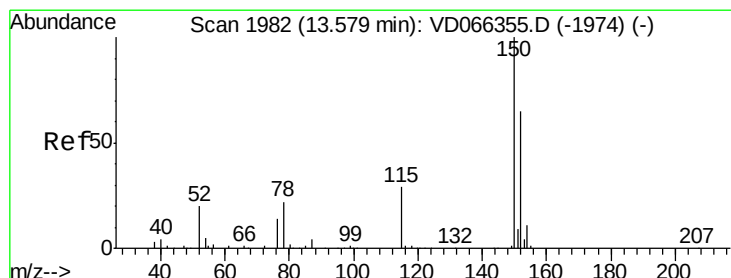
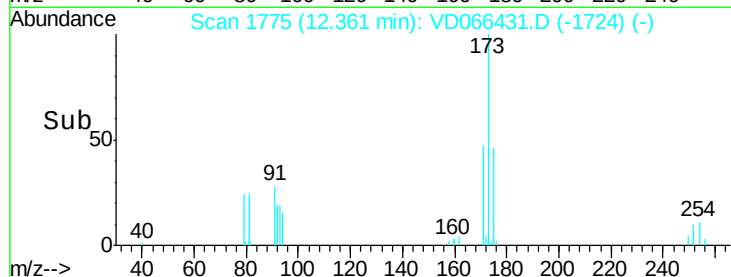
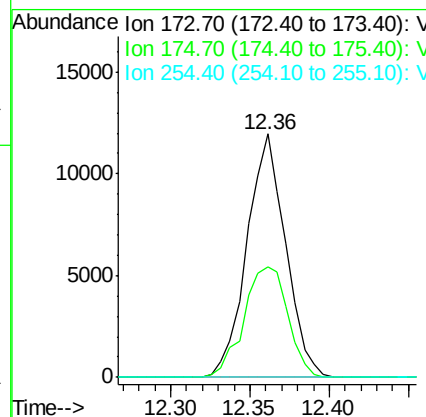
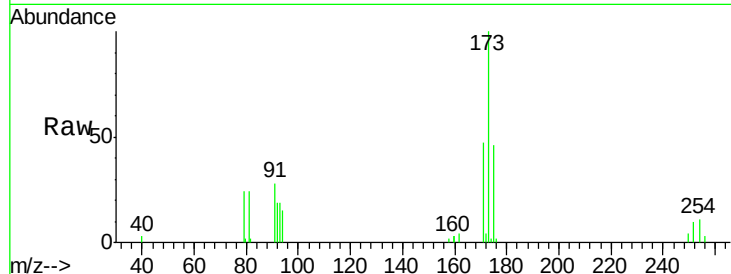
#71
Bromoform
Concen: 19.187 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.8	24.8	74.3
254	0.0	0.0	0.0

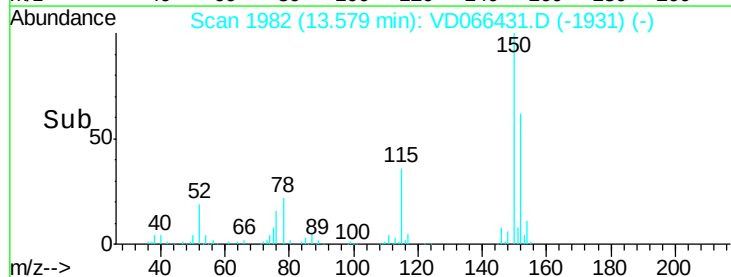
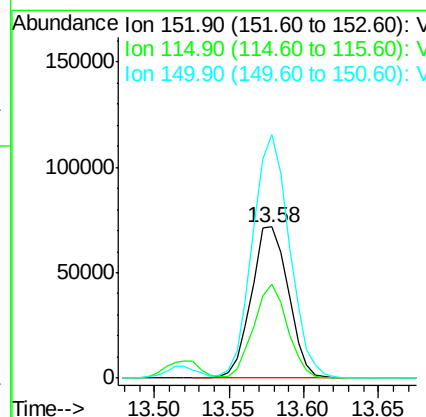
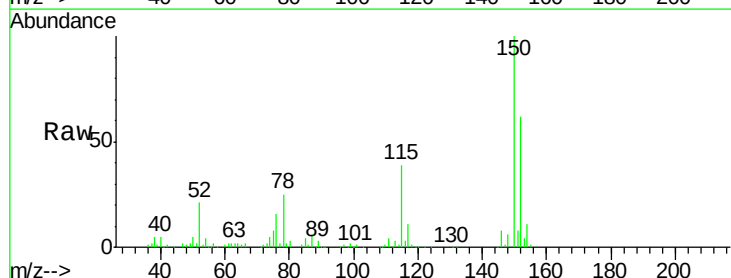
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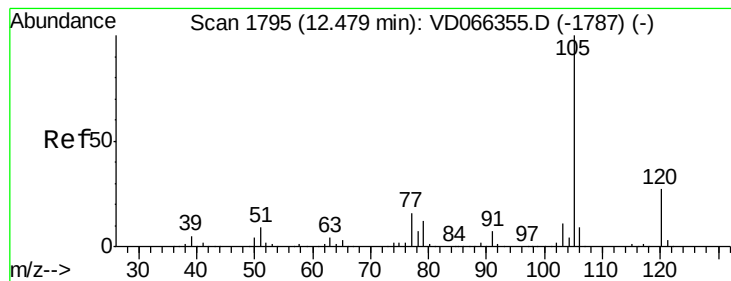
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.3	85.0
150	161.4	0.0	343.2





#73

Isopropylbenzene

Concen: 18.992 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 105 Resp: 156318

Ion Ratio Lower Upper

105 100

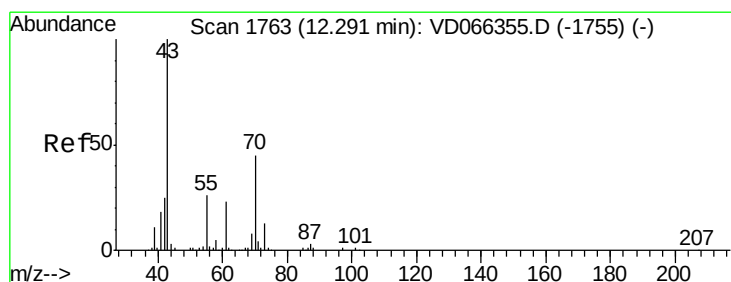
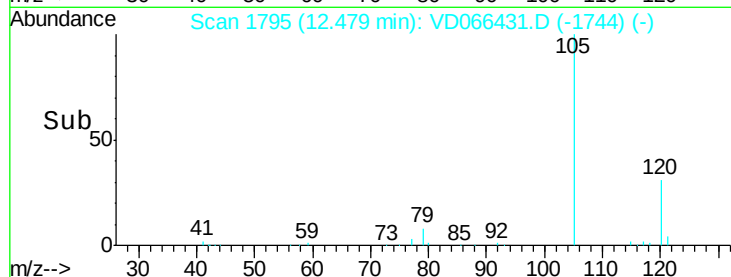
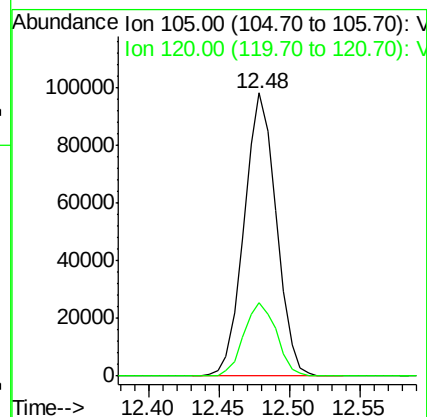
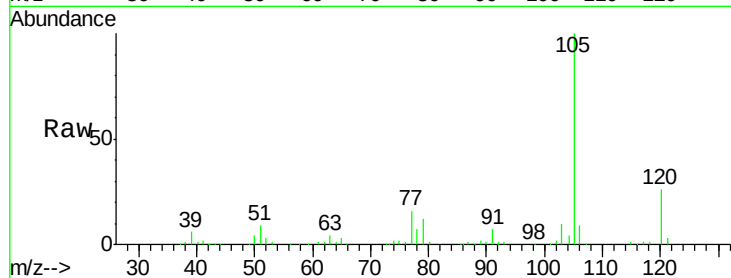
120 26.5 13.6 40.8

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#74

N-ethyl acetate

Concen: 15.601 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Tgt Ion: 43 Resp: 23192

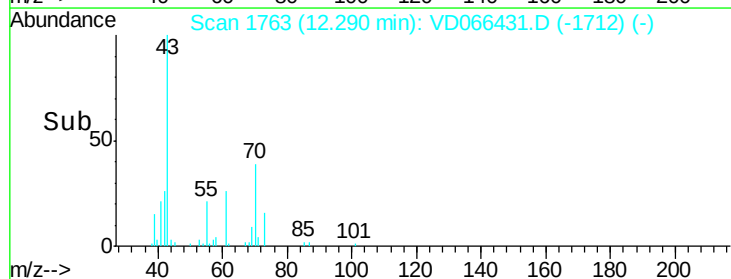
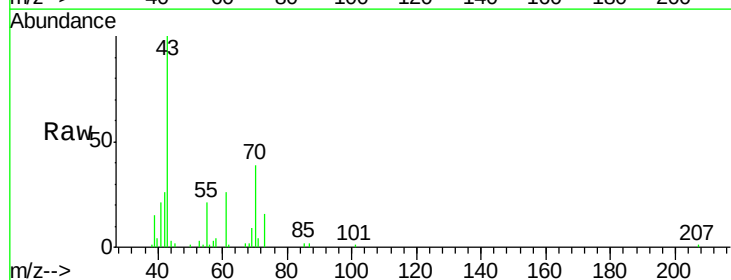
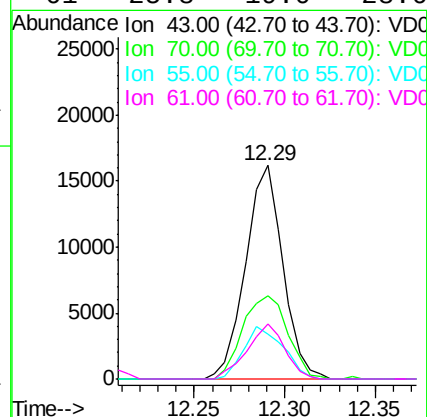
Ion Ratio Lower Upper

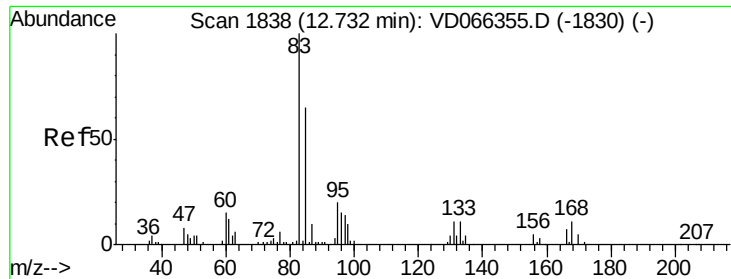
43 100

70 47.1 34.8 52.2

55 26.0 20.3 30.5

61 25.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 16.700 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

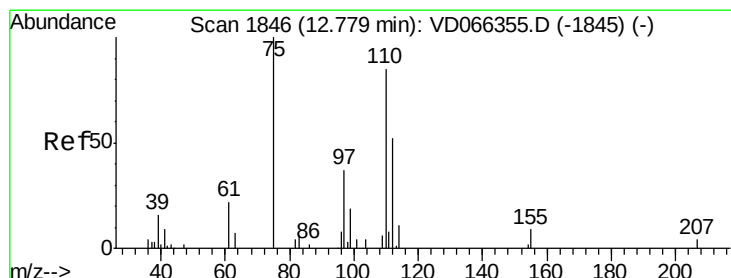
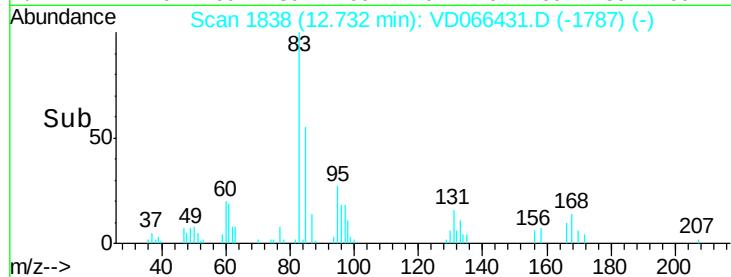
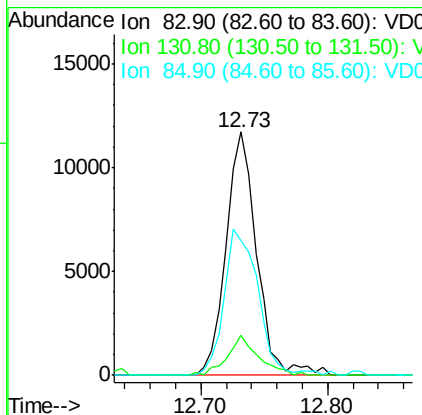
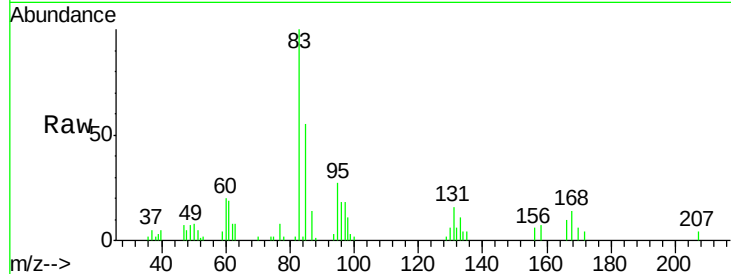
ClientSampleId :

VD0827SBS01

Tot Ion	83	Resp	19635
Ion Ratio	100	Lower	Upper
83	100		
131	16.6	7.0	20.9
85	65.2	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 17.199 ug/l m

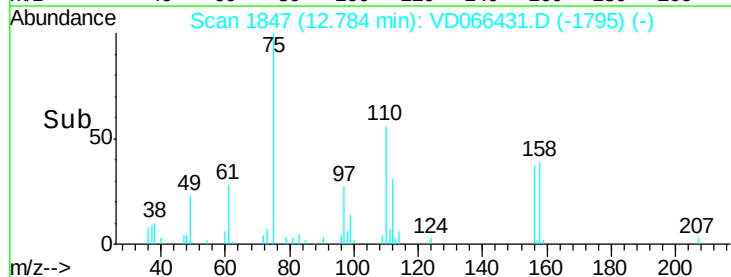
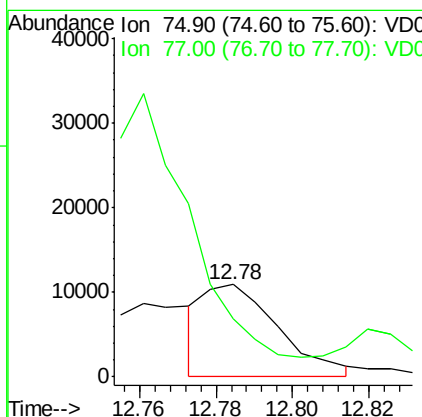
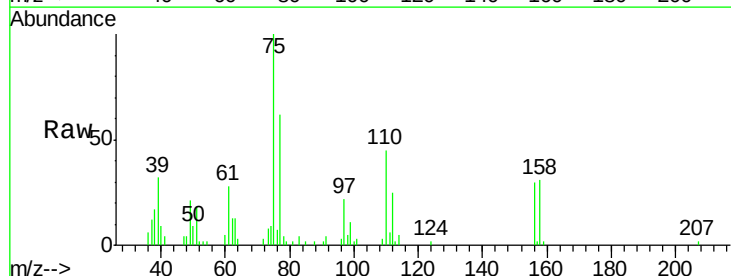
RT: 12.78 min Scan# 1847

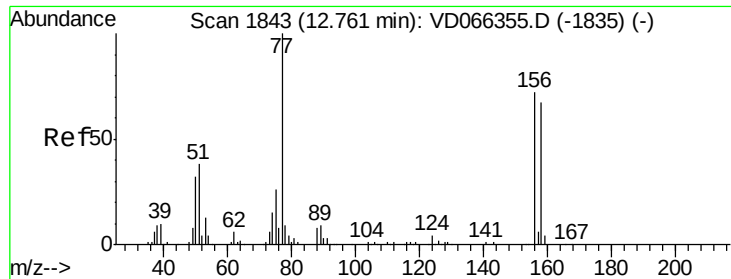
Delta R.T. 0.01 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Tgt Ion	75	Resp	14866
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	182.9	548.9#





#77

Bromobenzene

Concen: 18.600 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

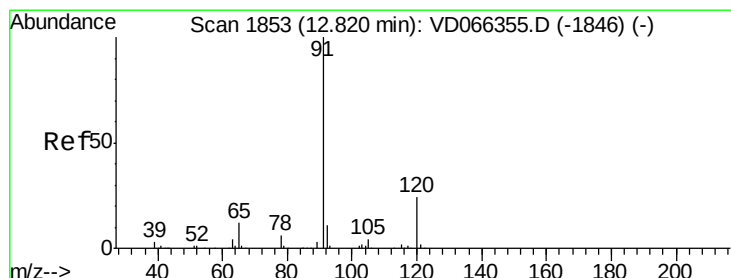
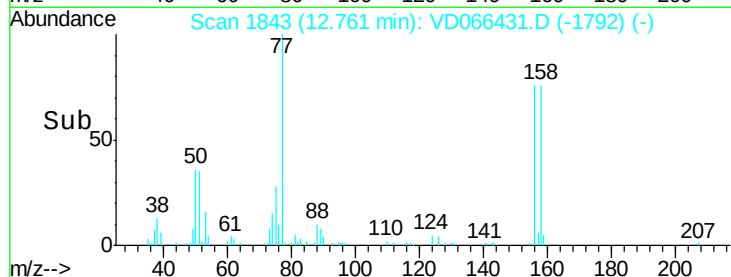
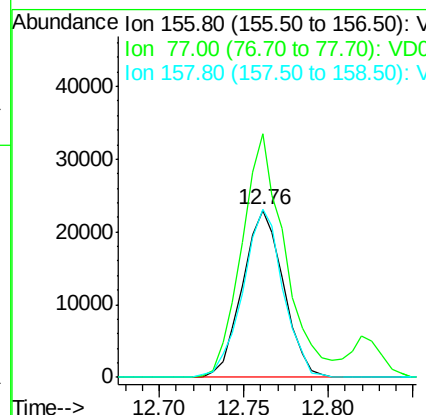
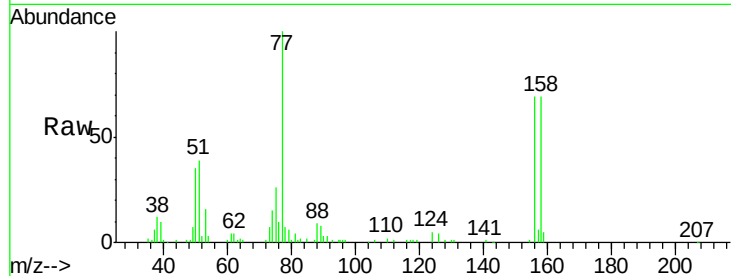
ClientSampleId :

VD0827SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		38856		
77	153.5	76.1	228.3		
158	99.0	47.6	142.9		

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#78

n-propylbenzene

Concen: 18.957 ug/l

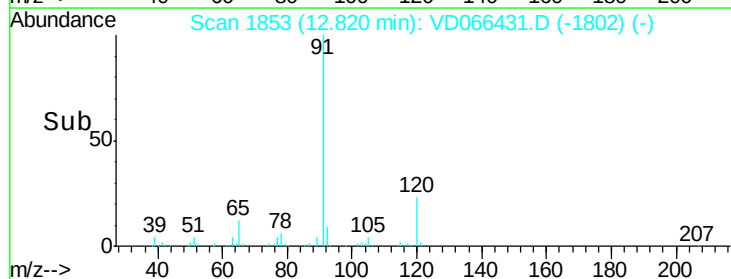
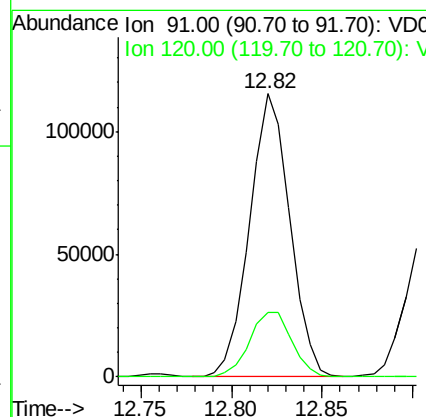
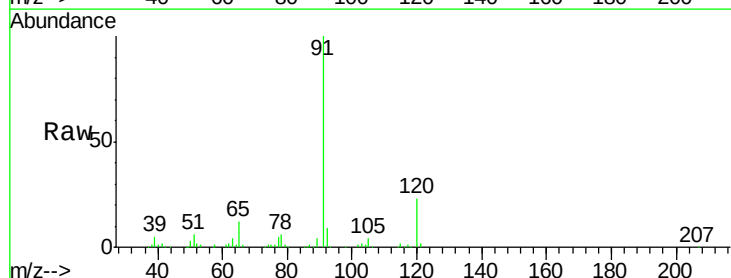
RT: 12.82 min Scan# 1853

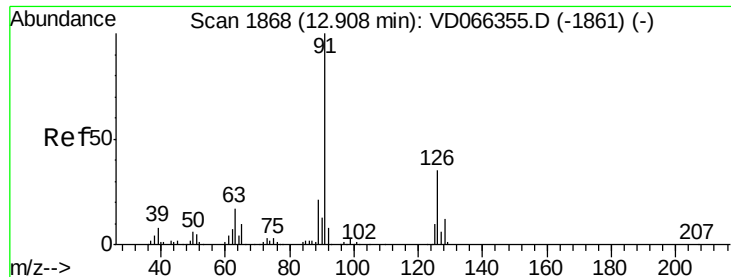
Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		178904		
120	24.1	12.0	36.0		





#79

2-Chlorotoluene

Concen: 18.901 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 91 Resp: 101876

Ion Ratio Lower Upper

91 100

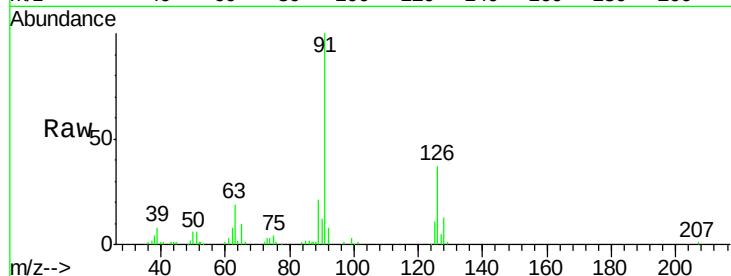
126 35.4 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD066431.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066431.D (-1817) (-)

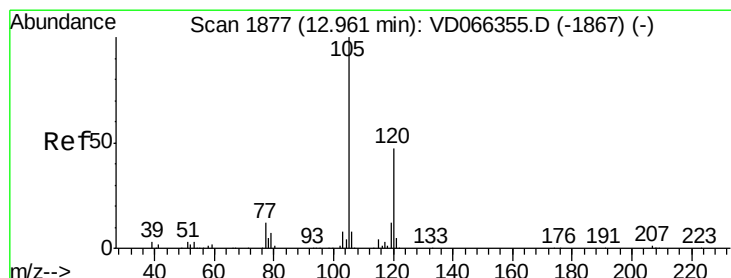
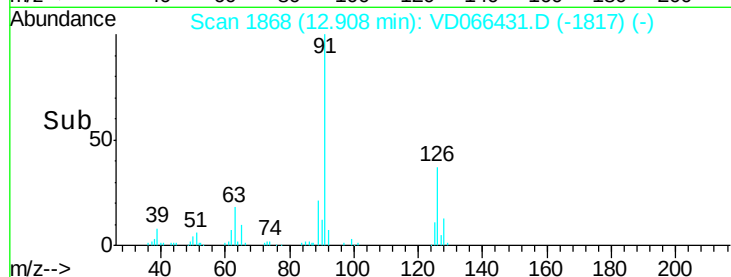
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.352 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066431.D

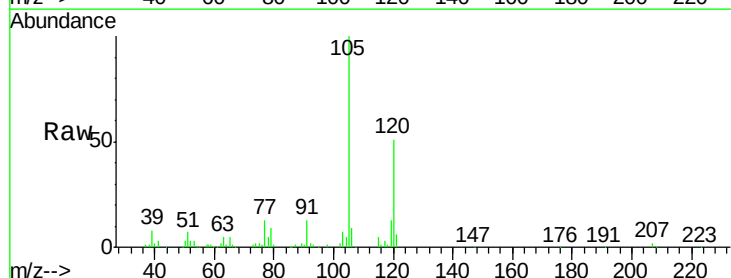
Acq: 27 Aug 2020 12:39

Tgt Ion:105 Resp: 137527

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VD066431.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066431.D (-1826) (-)

80000

60000

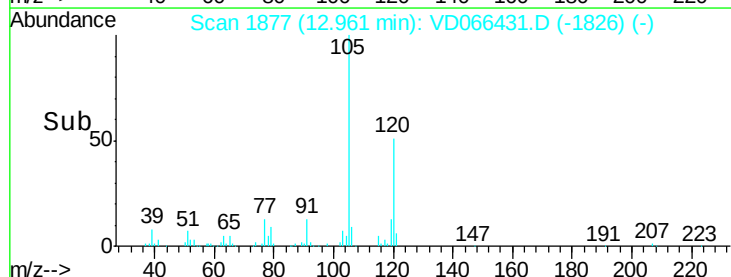
40000

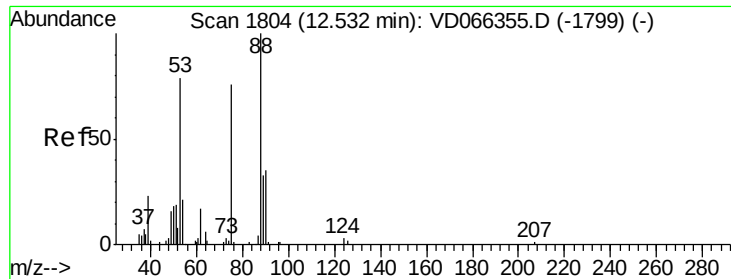
20000

0

12.90 12.95 13.00

Time-->





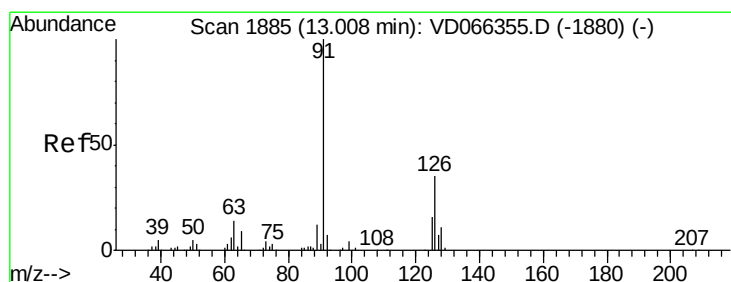
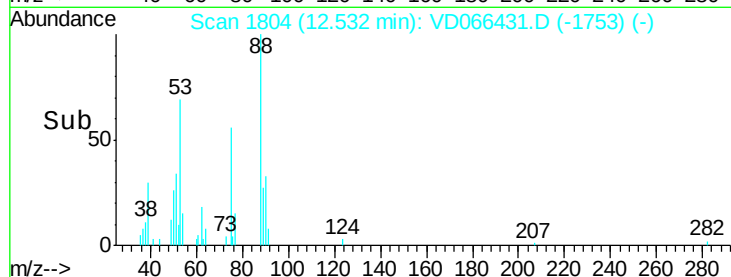
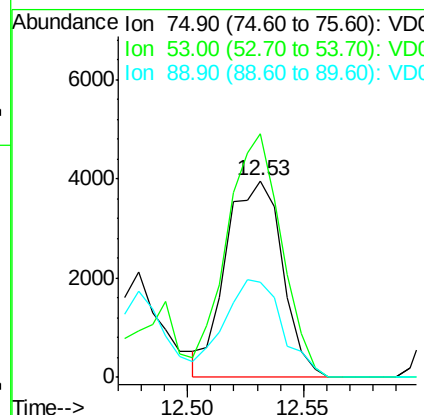
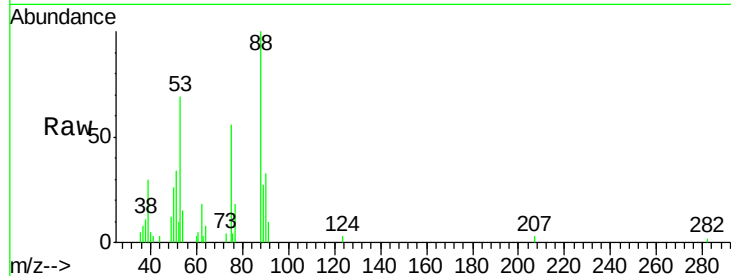
#81
trans-1,4-Dichloro-2-butene
Concen: 16.488 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion: 75 Resp: 6714
Ion Ratio Lower Upper
75 100
53 119.8 87.4 131.2
89 51.7 39.4 59.0

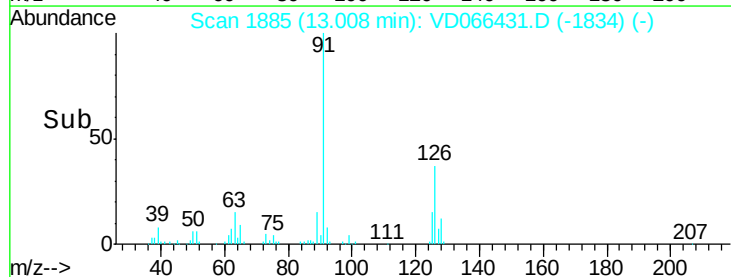
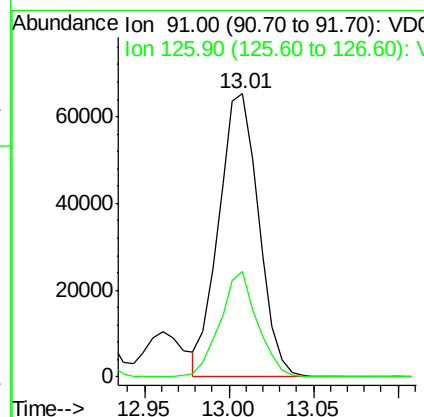
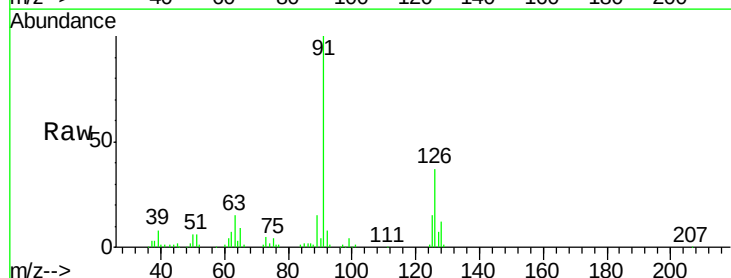
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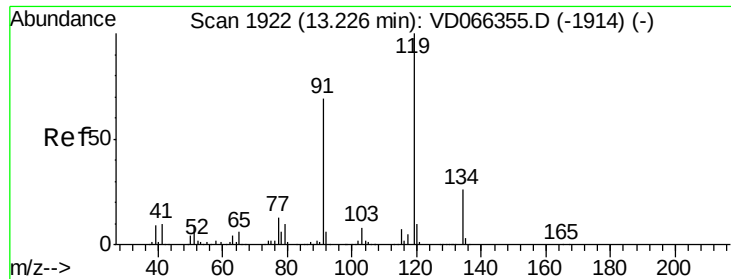
MMDadoda
8/28/2020 3:19:00 PM



#82
4-Chlorotoluene
Concen: 18.825 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion: 91 Resp: 107500
Ion Ratio Lower Upper
91 100
126 34.9 17.4 52.2





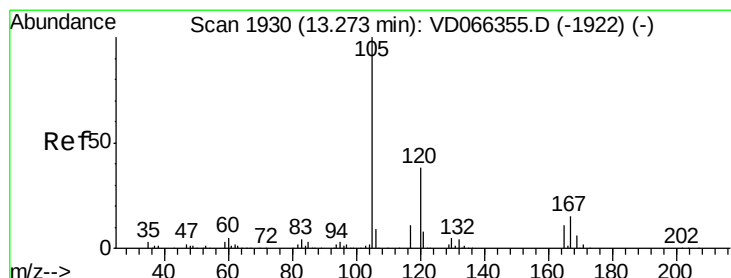
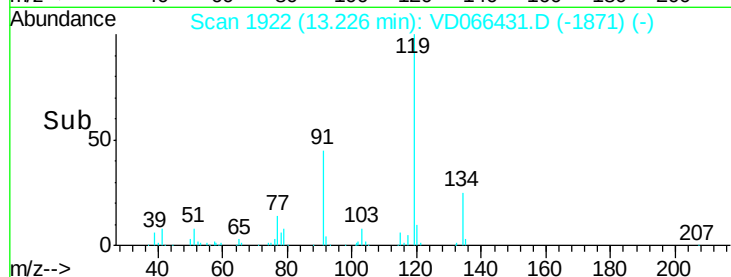
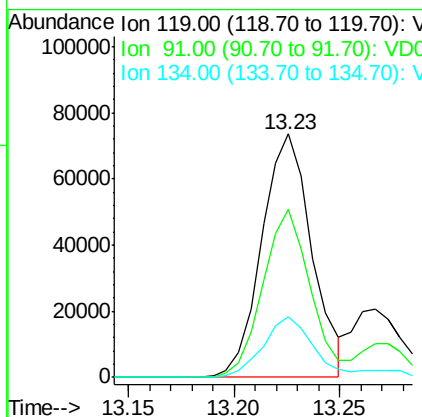
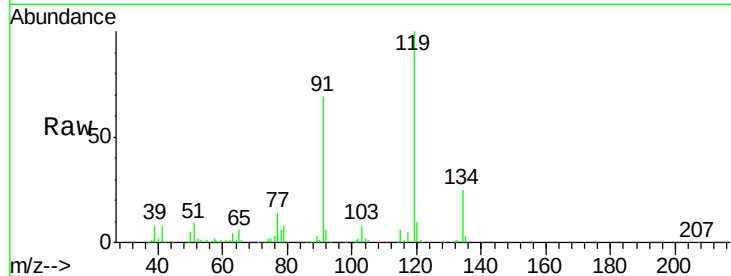
#83
 tert-Butylbenzene
 Concen: 19.638 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	121218		
91	66.3	33.5	100.5	
134	25.9	13.5	40.4	

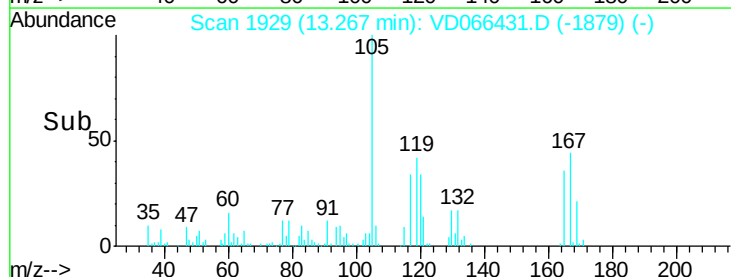
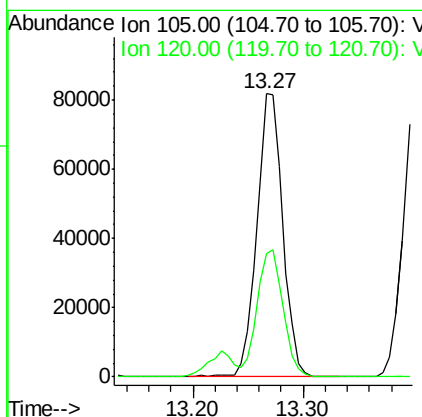
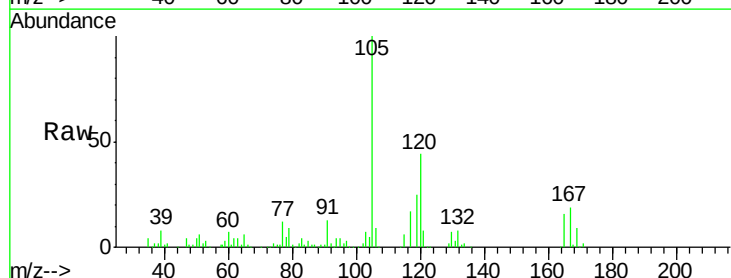
Manual Integrations
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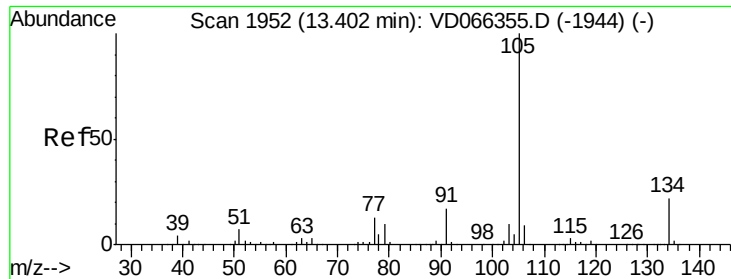
MMDadoda
 8/28/2020 3:19:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.335 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	134957		
120	44.7	22.6	67.7	





#85

sec-Butylbenzene

Concen: 18.529 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion:105 Resp: 149853

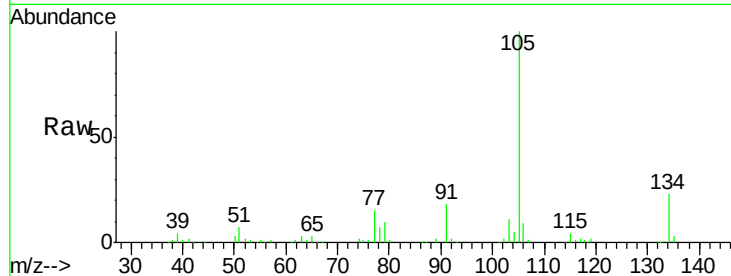
Ion Ratio Lower Upper

105 100

134 23.4 10.8 32.4

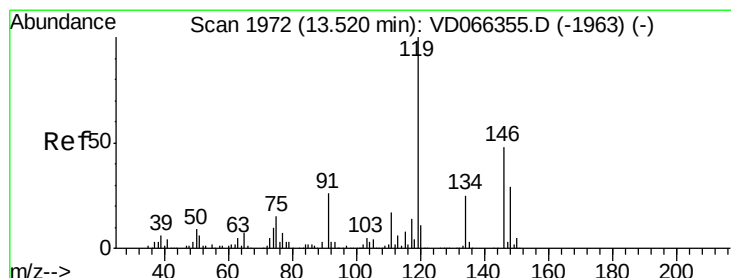
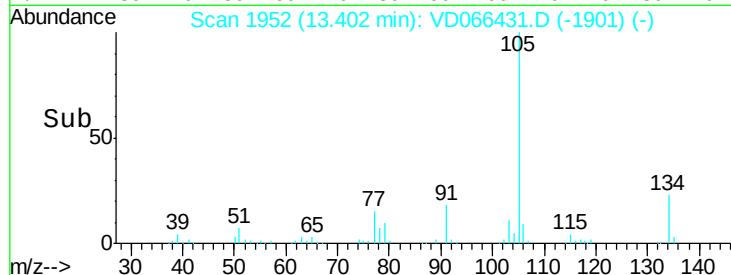
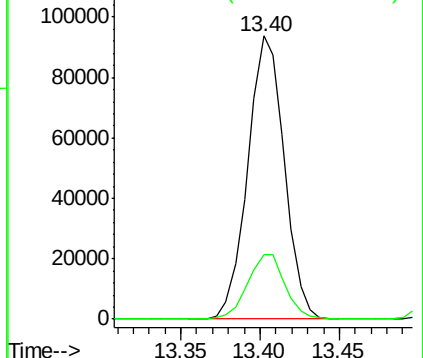
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.546 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066431.D

Acq: 27 Aug 2020 12:39

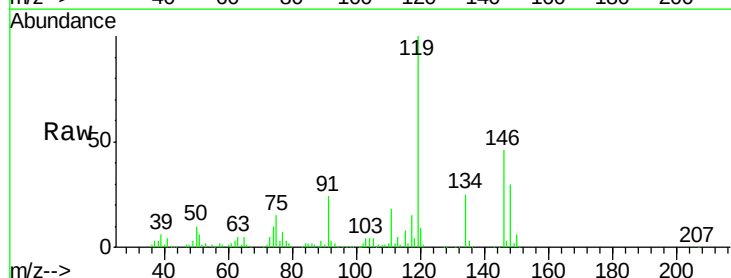
Tgt Ion:119 Resp: 152422

Ion Ratio Lower Upper

119 100

134 26.5 12.8 38.3

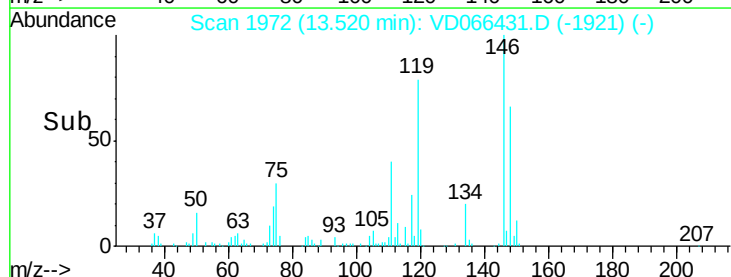
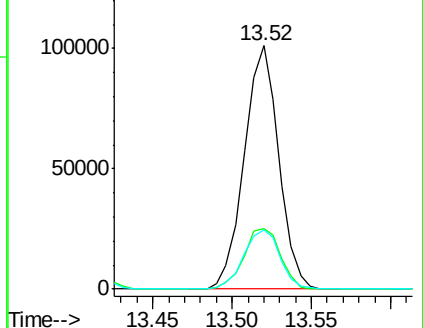
91 25.5 12.7 38.0

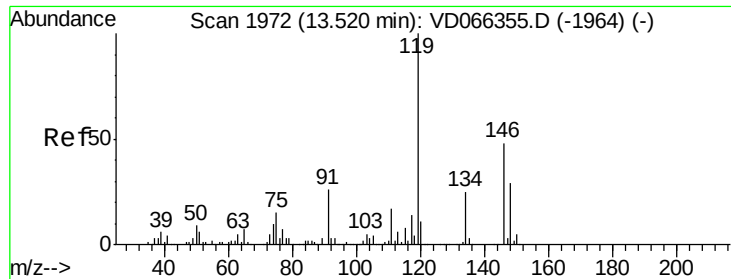


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





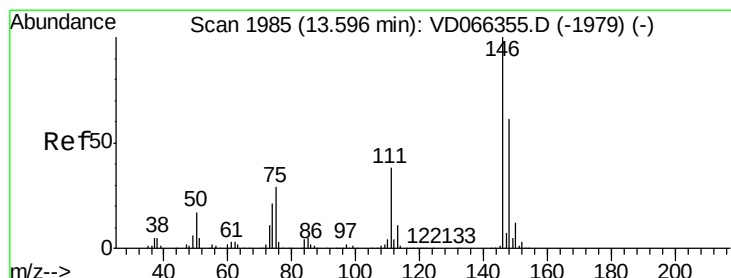
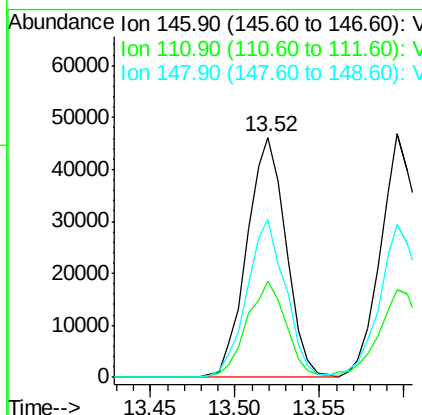
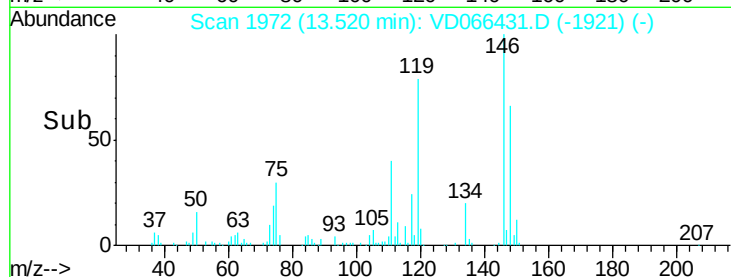
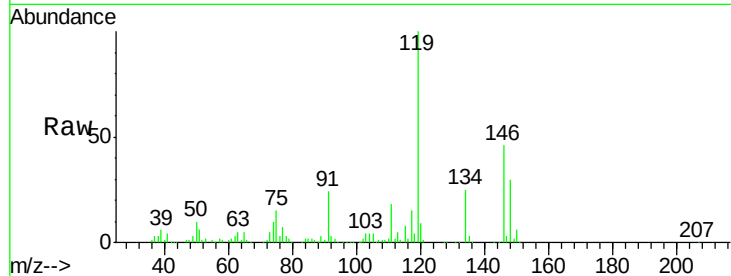
#87
 1,3-Dichlorobenzene
 Concen: 19.049 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	18.9	56.9
148	65.3	31.8	95.3

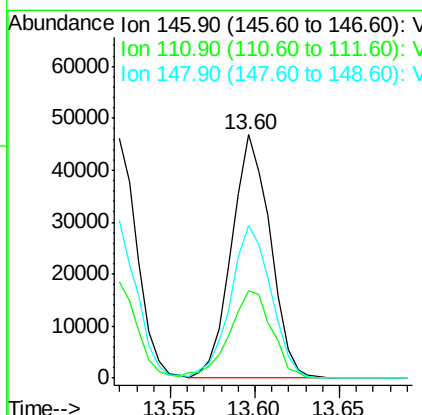
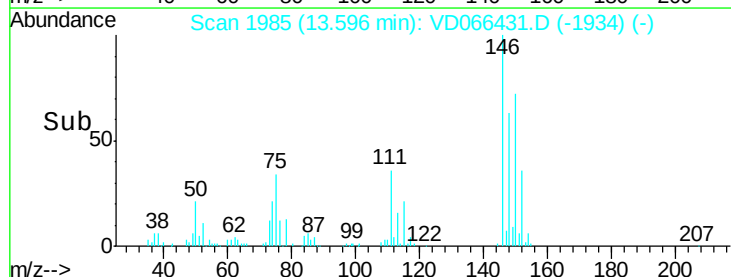
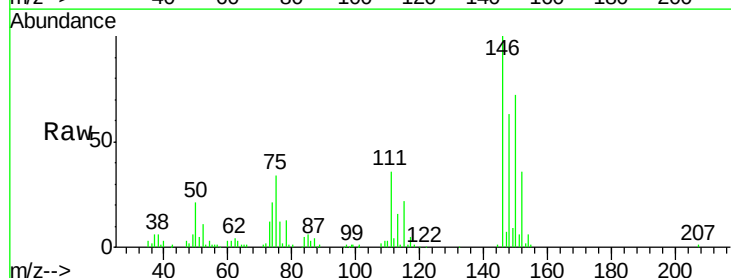
Manual Integrations
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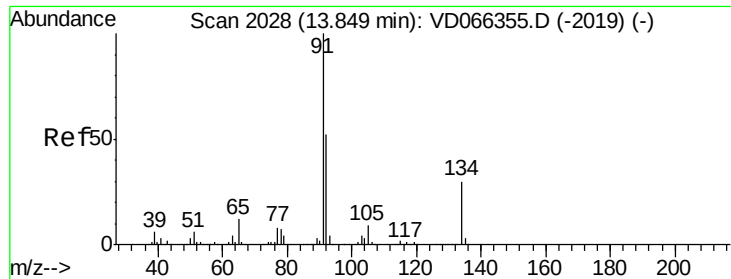
MMDadoda
 8/28/2020 3:19:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.169 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	65.6	32.1	96.3





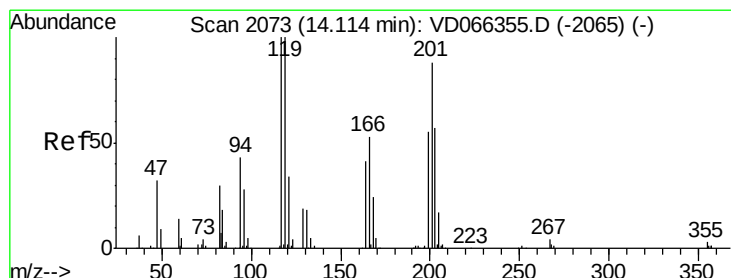
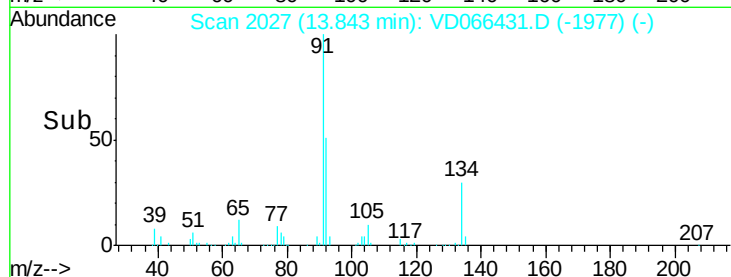
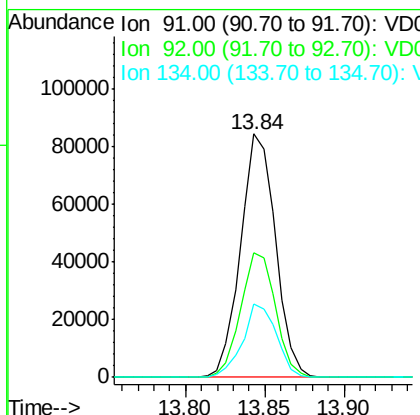
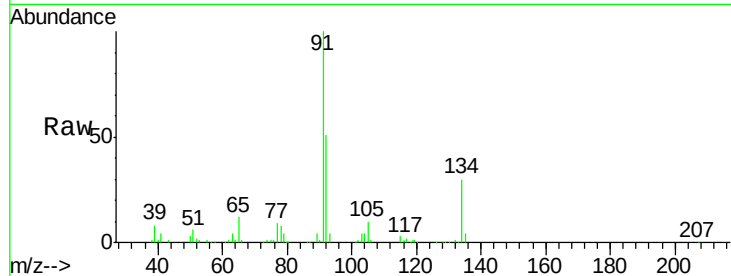
#89
n-Butylbenzene
Concen: 18.763 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	129116		
92	51.0	26.4	79.0	
134	29.0	14.4	43.4	

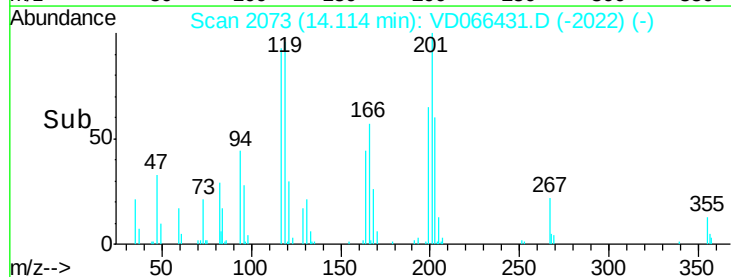
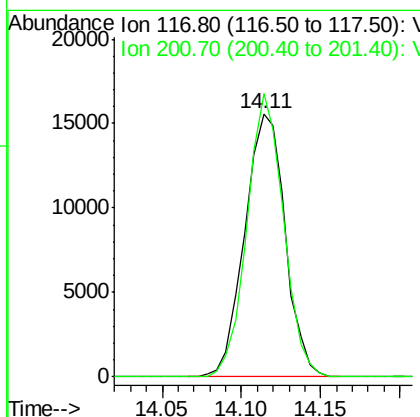
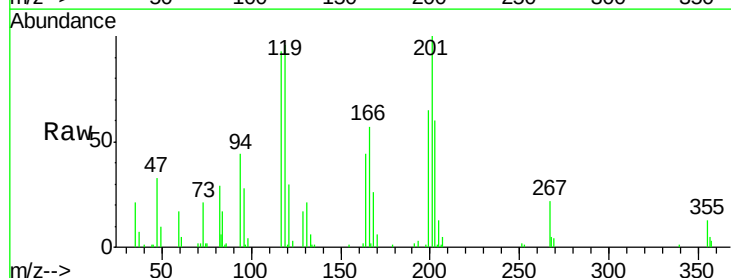
Manual Integrations
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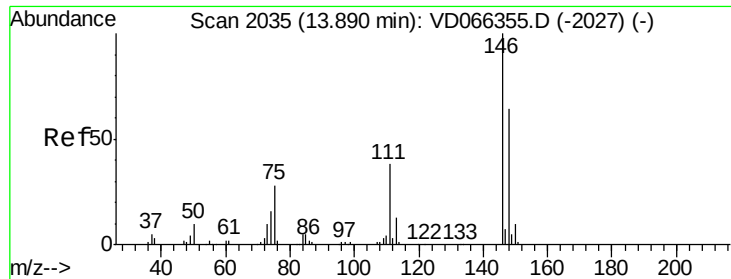
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#90
Hexachloroethane
Concen: 17.927 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27616		
201	97.2	45.4	136.2	





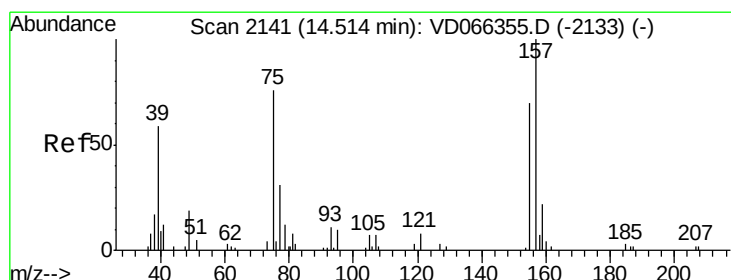
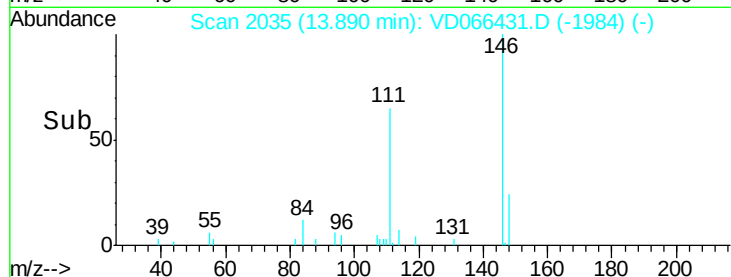
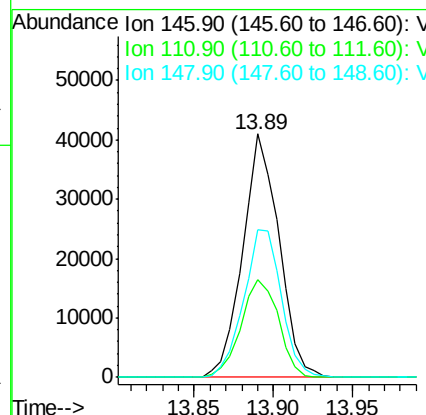
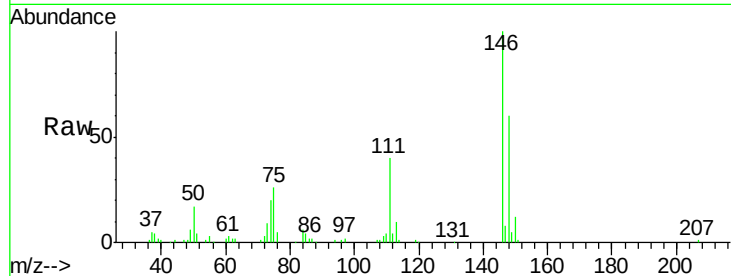
#91
 1,2-Dichlorobenzene
 Concen: 19.348 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.9	59.7
148	63.3	32.6	97.8

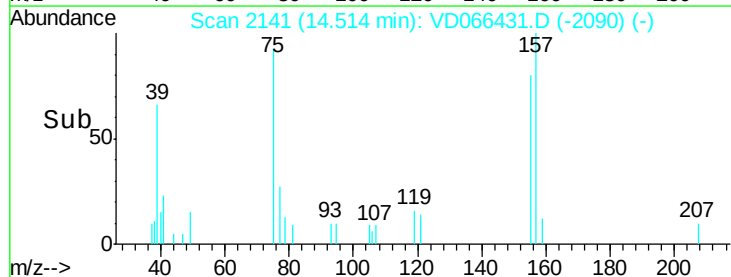
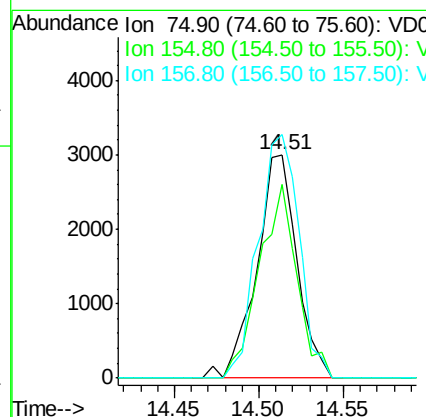
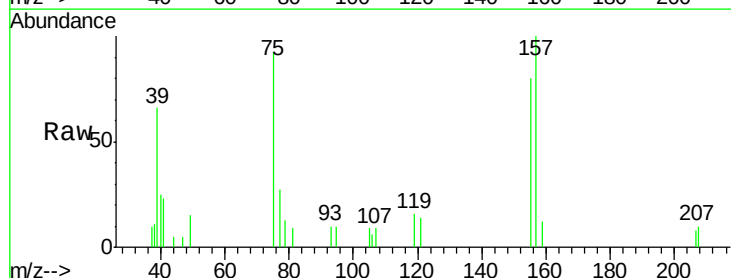
Manual Integrations
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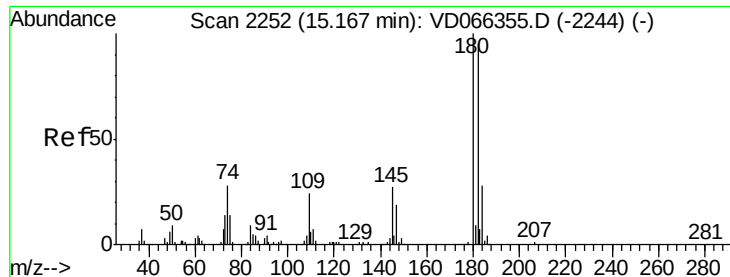
MMDadoda
 8/28/2020 3:19:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.134 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	46.9	140.6
157	110.5	61.0	183.0





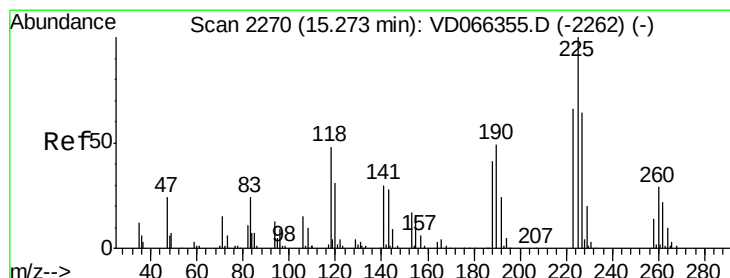
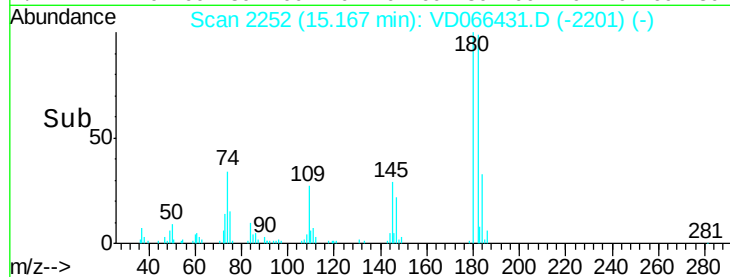
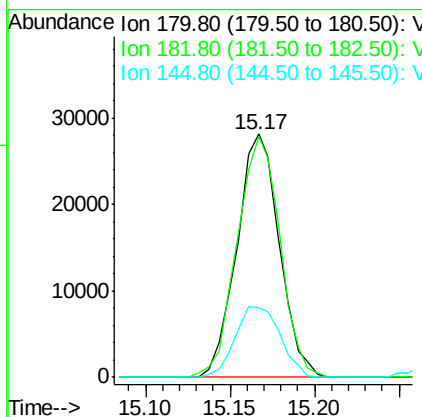
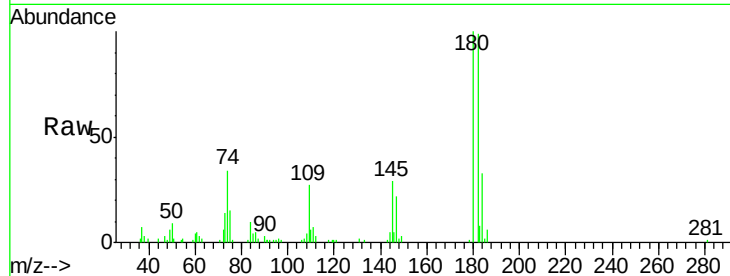
#93
 1,2,4-Trichlorobenzene
 Concen: 18.796 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49259		
182	100.1	48.0	144.0	
145	31.0	15.2	45.6	

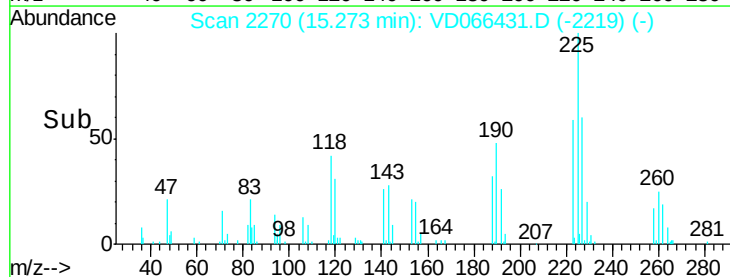
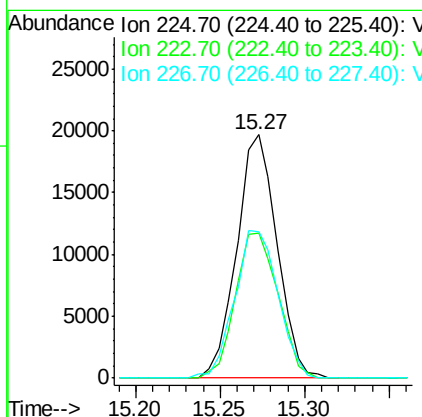
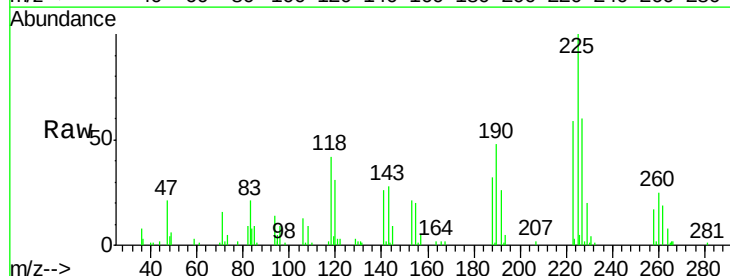
Manual Integrations
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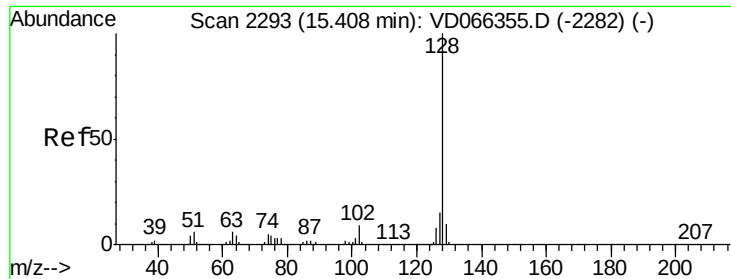
MMDadoda
 8/28/2020 3:19:00 PM



#94
 Hexachlorobutadiene
 Concen: 20.081 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066431.D
 Acq: 27 Aug 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32705		
223	63.0	32.5	97.4	
227	65.3	33.0	98.9	





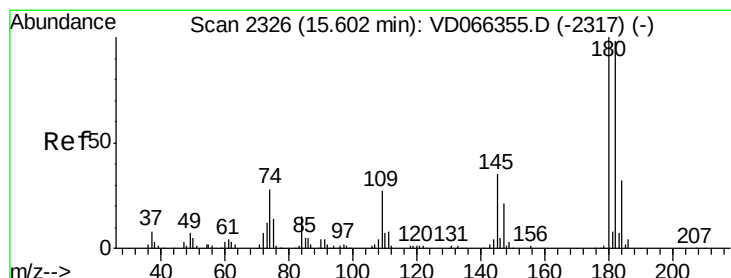
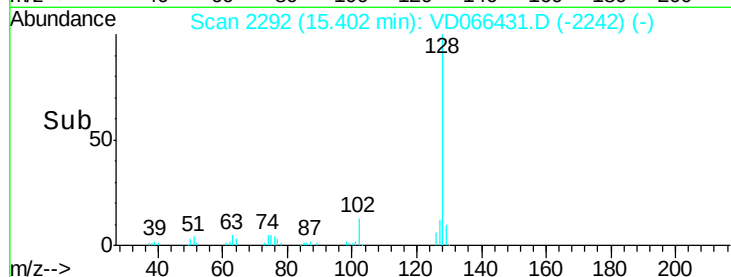
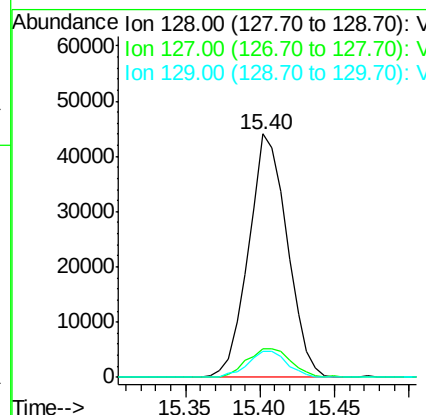
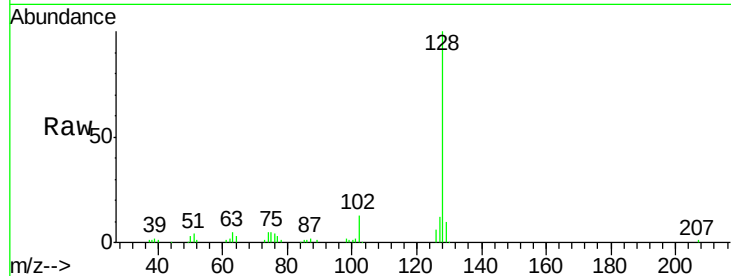
#95
Naphthalene
Concen: 19.124 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		78720		
127	13.5		10.7	16.1	
129	10.6		8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.555 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066431.D
Acq: 27 Aug 2020 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		43903		
182	91.0		46.7	140.0	
145	32.4		16.0	48.0	

