

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066353.D
 Acq On : 21 Aug 2020 11:25
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 8/24/2020 4:36:31 PM

Quant Time: Aug 21 13:37:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 12:48:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	248909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	348474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	324236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168459	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	22331	9.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.80%	
35) Dibromofluoromethane	7.91	113	20750	9.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.88%	
50) Toluene-d8	10.34	98	75054	9.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.54%	
62) 4-Bromofluorobenzene	12.63	95	26378	9.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.08%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.99	85	23623	10.734	ug/l	93
3) Chloromethane	2.21	50	15910	9.412	ug/l	94
4) Vinyl Chloride	2.35	62	16753	10.899	ug/l #	88
5) Bromomethane	2.77	94	12659	12.259	ug/l	97
6) Chloroethane	2.93	64	11327	11.907	ug/l	95
7) Trichlorofluoromethane	3.27	101	44258	10.970	ug/l	95
8) Diethyl Ether	3.70	74	9636	8.825	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	22423	9.700	ug/l	99
10) Methyl Iodide	4.30	142	22112	11.716	ug/l	99
11) Tert butyl alcohol	5.23	59	9539m	42.617	ug/l	
12) 1,1-Dichloroethene	4.07	96	20341	9.298	ug/l	95
13) Acrolein	3.91	56	5798m	34.530	ug/l	
14) Allyl chloride	4.71	41	26683	8.213	ug/l	96
15) Acrylonitrile	5.42	53	18817	41.145	ug/l	97
16) Acetone	4.16	43	20569	48.670	ug/l	100
17) Carbon Disulfide	4.41	76	62745	9.075	ug/l	95
18) Methyl Acetate	4.72	43	8173	7.836	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	45719	9.033	ug/l	95
20) Methylene Chloride	4.97	84	35325	12.362	ug/l #	88
21) trans-1,2-Dichloroethene	5.48	96	22947	9.144	ug/l	94
22) Diisopropyl ether	6.36	45	50304	7.831	ug/l	94
23) Vinyl Acetate	6.30	43	153561	40.519	ug/l	99
24) 1,1-Dichloroethane	6.27	63	37171	9.209	ug/l	99
25) 2-Butanone	7.21	43	23117	38.280	ug/l #	89
26) 2,2-Dichloropropane	7.20	77	39768	10.612	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	25647	9.709	ug/l	98
28) Bromochloromethane	7.54	49	12901	9.127	ug/l	88
29) Tetrahydrofuran	7.56	42	13574	36.832	ug/l	98
30) Chloroform	7.71	83	43556	10.078	ug/l	98
31) Cyclohexane	7.98	56	36638	9.580	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	43740	10.660	ug/l	97
36) 1,1-Dichloropropene	8.11	75	33314	10.205	ug/l	98
37) Ethyl Acetate	7.29	43	10792	8.460	ug/l #	92
38) Carbon Tetrachloride	8.09	117	43017	11.439	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	35905	9.060	ug/l	94
40) Benzene	8.35	78	85785	9.492	ug/l	99
41) Methacrylonitrile	7.52	41	6560m	8.593	ug/l	
42) 1,2-Dichloroethane	8.42	62	29904	10.927	ug/l	98
43) Isopropyl Acetate	8.44	43	20556	8.169	ug/l	95
44) Trichloroethene	9.11	130	28311	10.308	ug/l	97
45) 1,2-Dichloropropane	9.38	63	18502	8.461	ug/l	100
46) Dibromomethane	9.47	93	11609	9.507	ug/l	98
47) Bromodichloromethane	9.66	83	32347	9.927	ug/l	97
48) Methyl methacrylate	9.45	41	10868	8.583	ug/l	94
49) 1,4-Dioxane	9.45	88	3047	195.017	ug/l #	75
51) 4-Methyl-2-Pentanone	10.23	43	50567	39.489	ug/l	99
52) Toluene	10.40	92	59057	9.896	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	29894	9.671	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	35047	9.743	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	16113	9.226	ug/l	94
56) Ethyl methacrylate	10.66	69	17550	8.412	ug/l	95
57) 1,3-Dichloropropane	10.95	76	26304	9.093	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	38183	41.249	ug/l	99
59) 2-Hexanone	10.98	43	35785	39.636	ug/l	96
60) Dibromochloromethane	11.14	129	25586	10.513	ug/l	95
61) 1,2-Dibromoethane	11.24	107	15762	9.406	ug/l	96
64) Tetrachloroethene	10.87	164	24273	9.686	ug/l #	81
65) Chlorobenzene	11.67	112	64297	9.708	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	26441	10.171	ug/l	99
67) Ethyl Benzene	11.74	91	113212	9.826	ug/l	96
68) m/p-Xylenes	11.86	106	85152	19.169	ug/l	93
69) o-Xylene	12.18	106	42144	10.446	ug/l	91
70) Styrene	12.20	104	68322	9.673	ug/l	98
71) Bromoform	12.36	173	14587	9.520	ug/l #	99
73) Isopropylbenzene	12.48	105	111363	9.855	ug/l	99
74) N-amyl acetate	12.28	43	19008	7.873	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	15630	8.294	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	11527m	8.295	ug/l	
77) Bromobenzene	12.76	156	27271	9.370	ug/l	95
78) n-propylbenzene	12.82	91	130922	9.991	ug/l	97
79) 2-Chlorotoluene	12.91	91	73263	9.799	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	98062	10.311	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	5169	8.238	ug/l	92
82) 4-Chlorotoluene	13.01	91	78319	9.892	ug/l	99
83) tert-Butylbenzene	13.23	119	83562	10.056	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	96568	10.209	ug/l	100
85) sec-Butylbenzene	13.41	105	112281	10.021	ug/l	100
86) p-Isopropyltoluene	13.52	119	106380	10.070	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	52975	9.698	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	55841	10.279	ug/l	99
89) n-Butylbenzene	13.84	91	92480	9.802	ug/l	100
90) Hexachloroethane	14.12	117	22249	10.583	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	46727	9.726	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3540	10.644	ug/l	86

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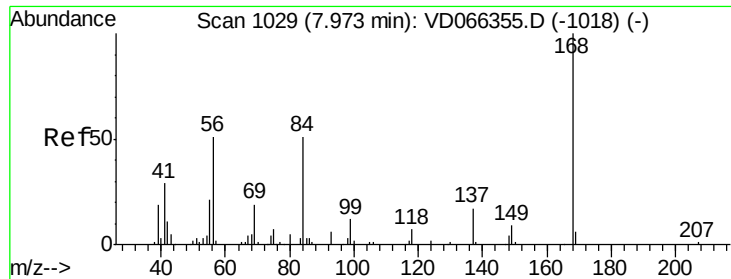
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	34016	9.519	ug/l	97
94) Hexachlorobutadiene	15.28	225	21555	10.116	ug/l	97
95) Naphthalene	15.41	128	51055	8.837	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	30190	9.601	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 248909

Ion Ratio Lower Upper

168 100

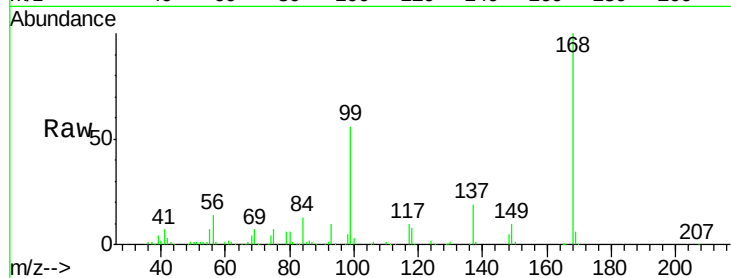
99 55.6 45.4 68.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

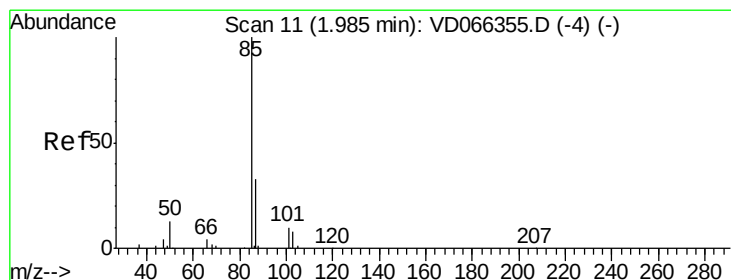
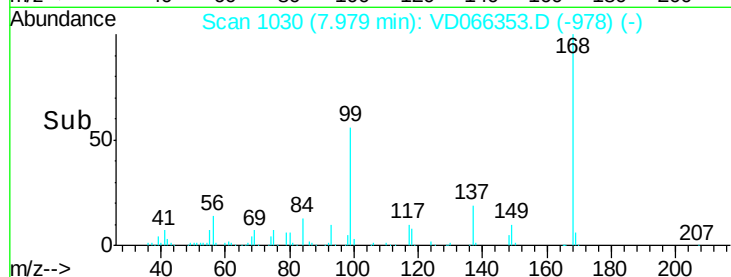
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 10.734 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066353.D

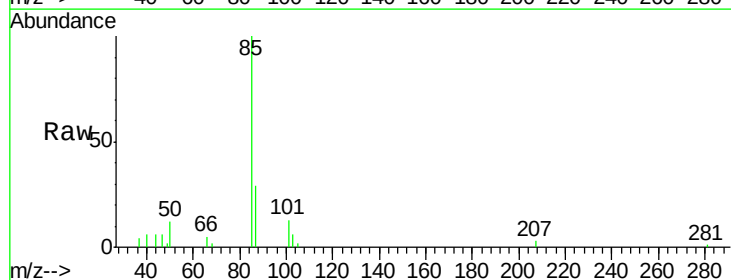
Acq: 21 Aug 2020 11:25

Tgt Ion: 85 Resp: 23623

Ion Ratio Lower Upper

85 100

87 29.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

15000

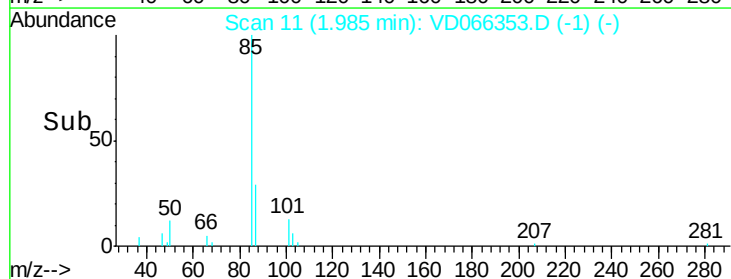
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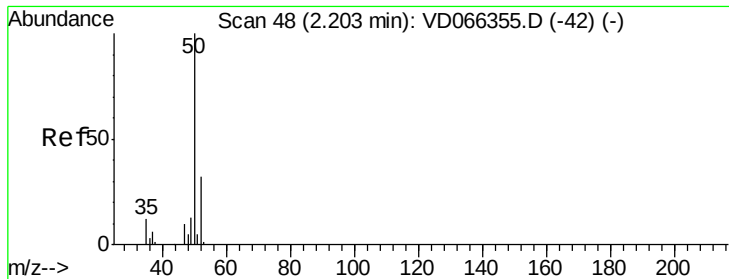
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 9.412 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 15910

Ion Ratio Lower Upper

50 100

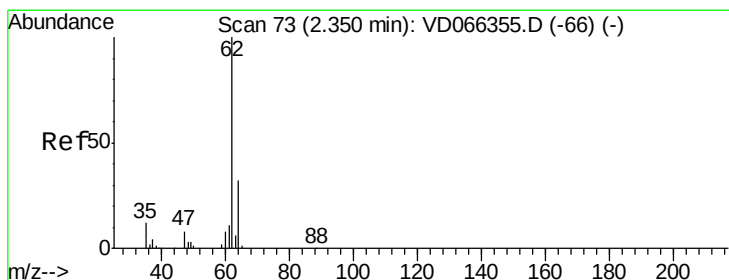
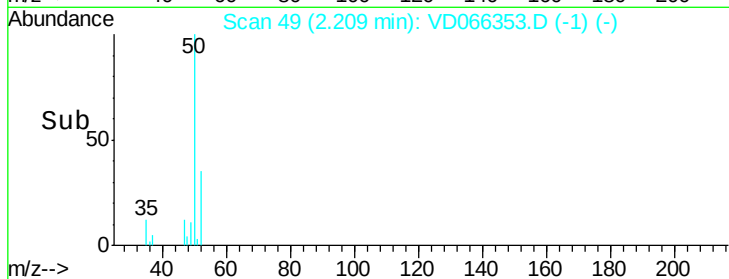
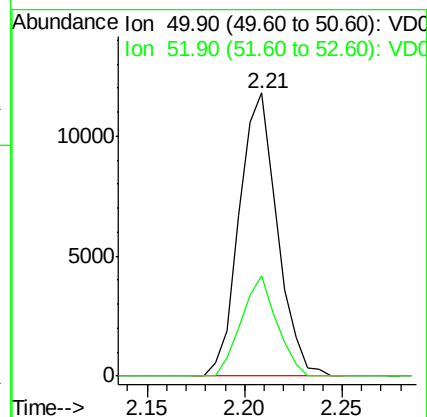
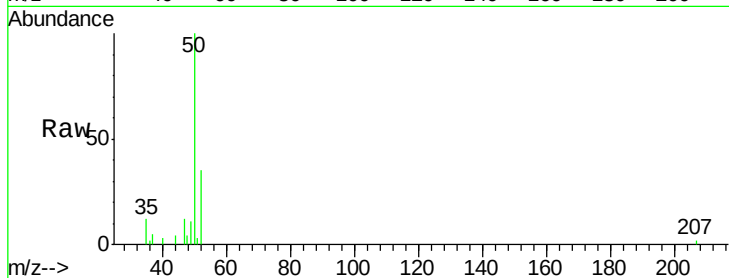
52 35.2 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.899 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066353.D

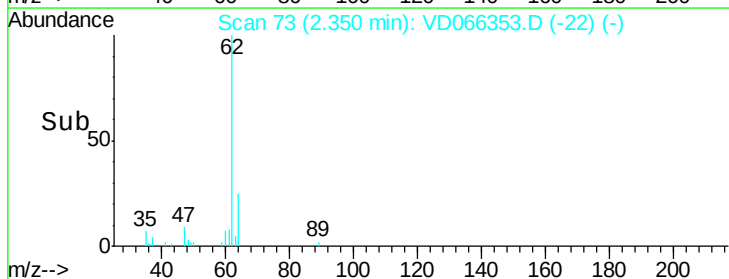
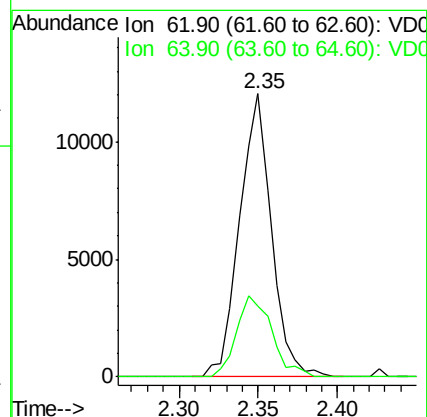
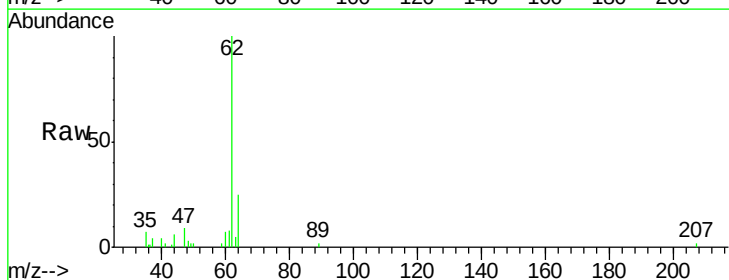
Acq: 21 Aug 2020 11:25

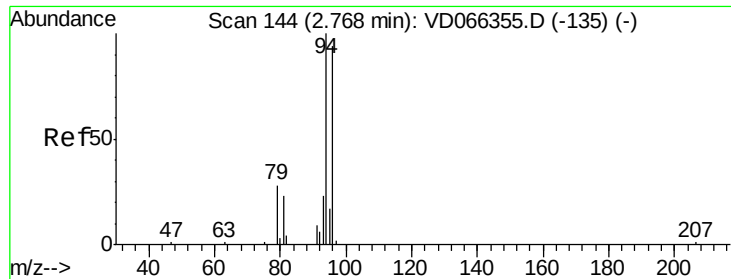
Tgt Ion: 62 Resp: 16753

Ion Ratio Lower Upper

62 100

64 24.9 25.4 38.2#





#5

Bromomethane

Concen: 12.259 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 12659

Ion Ratio Lower Upper

94 100

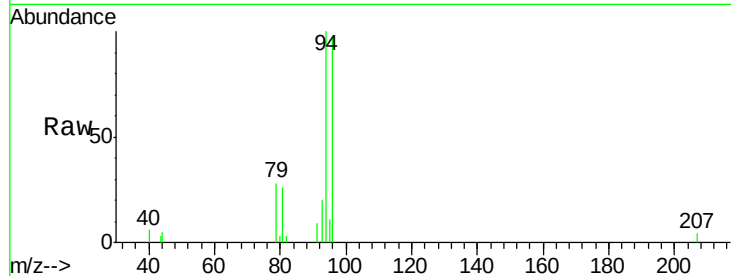
96 96.8 75.0 112.4

Manual Integrations

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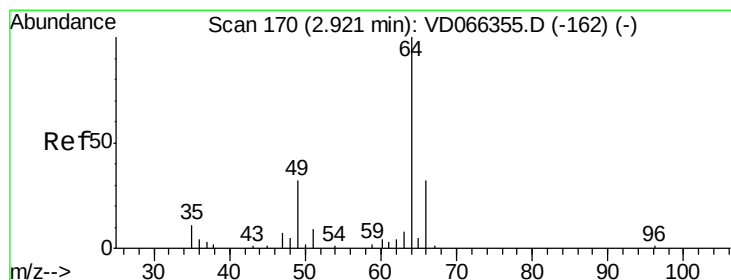
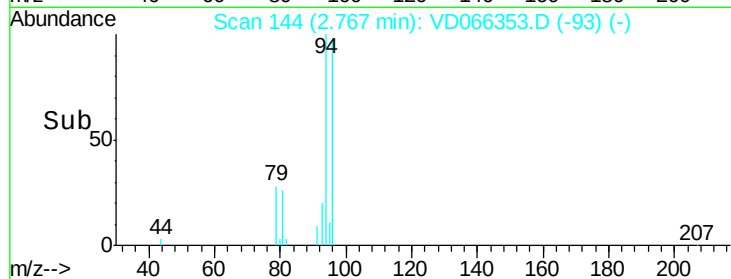
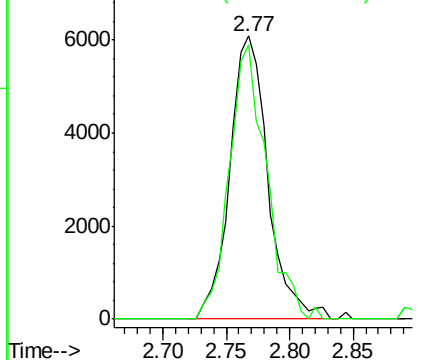
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.907 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066353.D

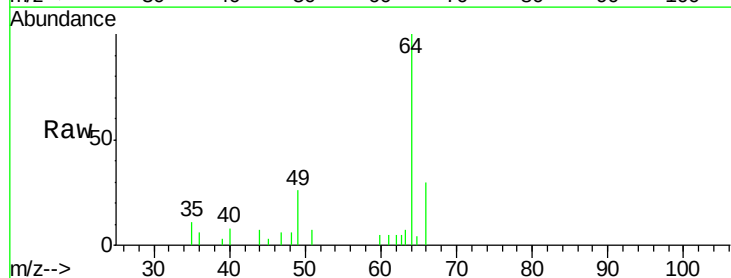
Acq: 21 Aug 2020 11:25

Tgt Ion: 64 Resp: 11327

Ion Ratio Lower Upper

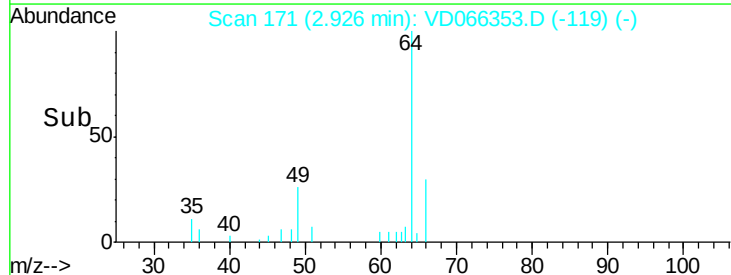
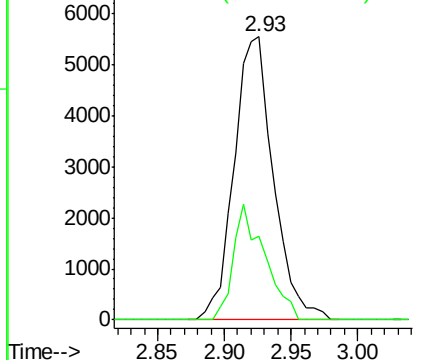
64 100

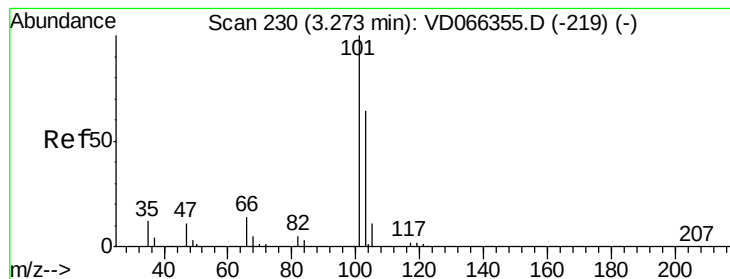
66 29.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

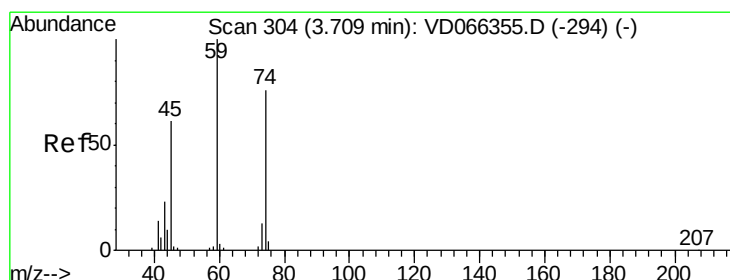
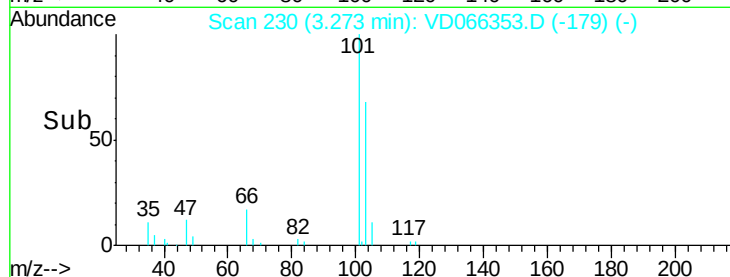
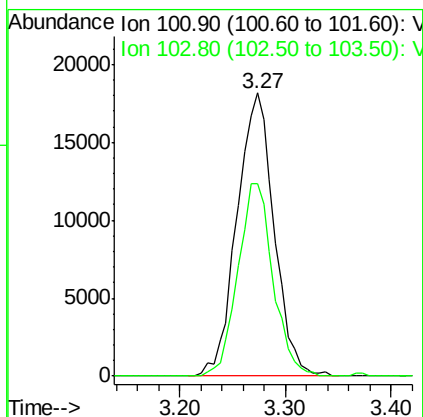
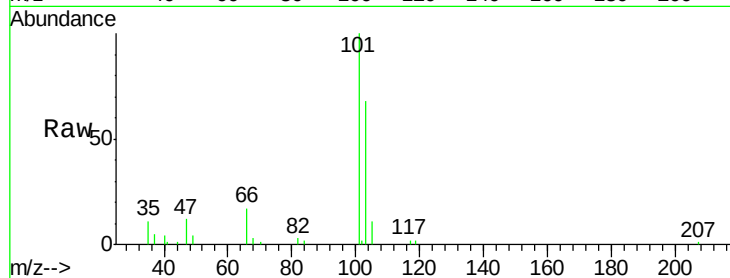
Trichlorofluoromethane
Concen: 10.970 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066353.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.0	51.4	77.0

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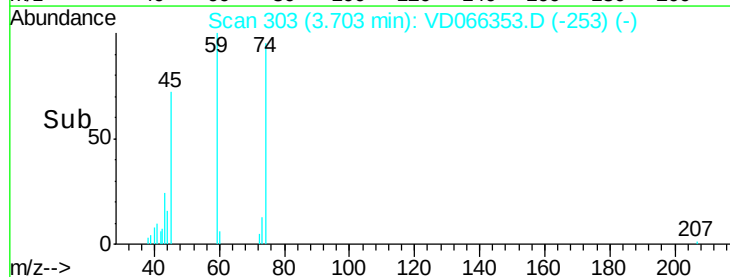
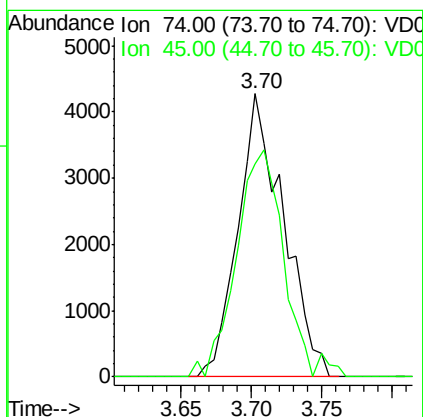
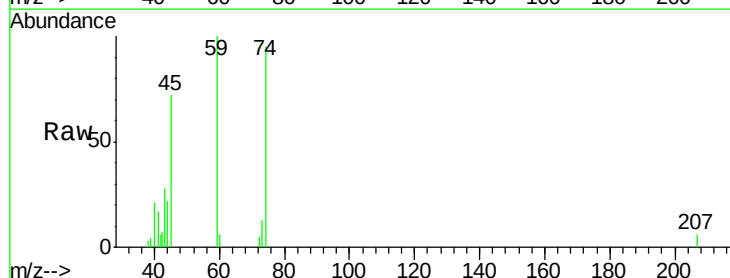
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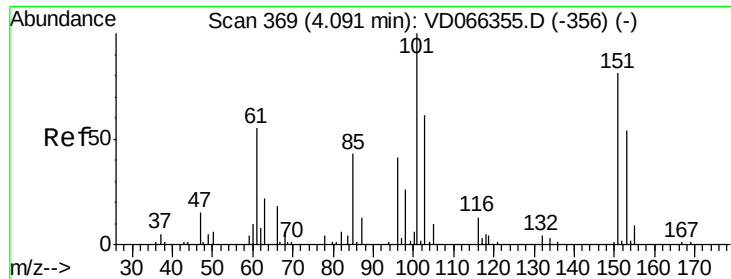


#8

Diethyl Ether
Concen: 8.825 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.5	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.700 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

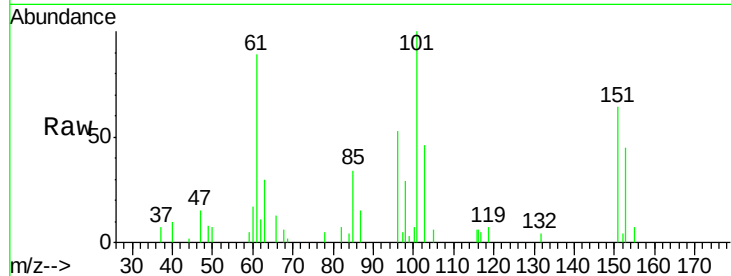
ClientSampleId :

VSTDIC010

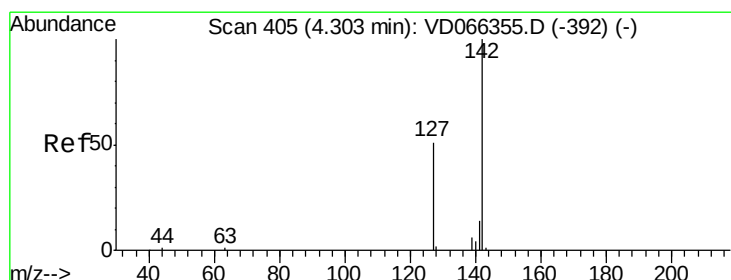
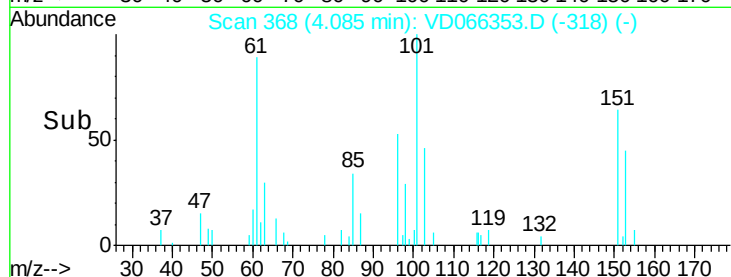
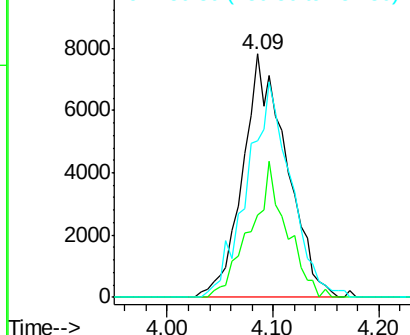
Tot Ion:	101	Resp:	22423
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.4	54.6
151	88.5	70.5	105.7

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



#10

Methyl Iodide

Concen: 11.716 ug/l

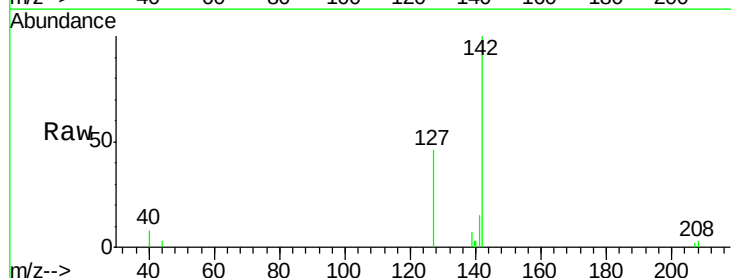
RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

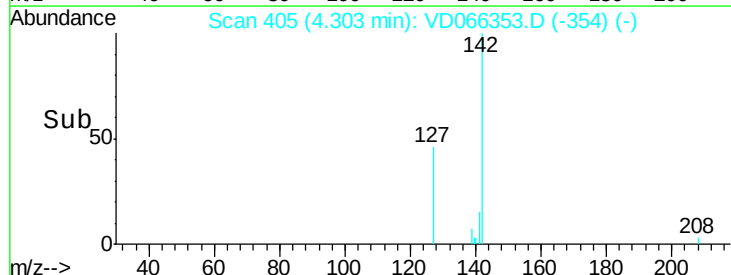
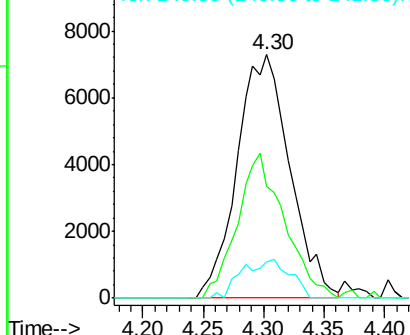
Lab File: VD066353.D

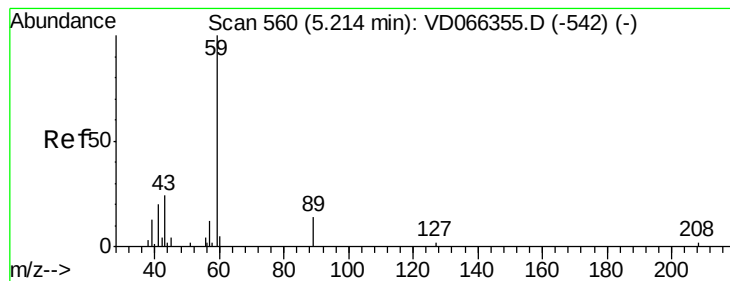
Acq: 21 Aug 2020 11:25

Tgt Ion:	142	Resp:	22112
Ion Ratio	Lower	Upper	
142	100		
127	53.0	41.8	62.8
141	14.5	11.8	17.6



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





#11

Tert butyl alcohol

Concen: 42.617 ug/l m

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 59 Resp: 9539

Ion Ratio Lower Upper

59 100

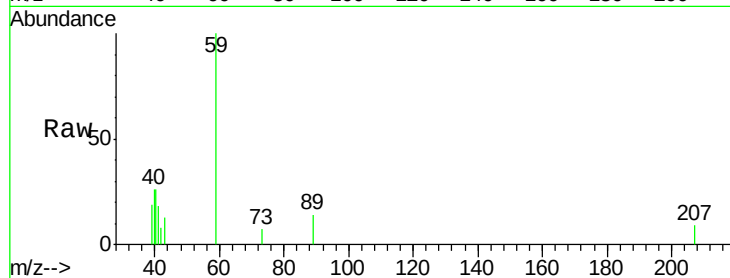
57 0.0 9.0 13.4#

Manual Integrations

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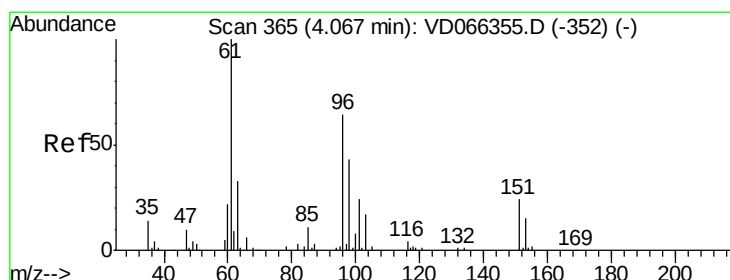
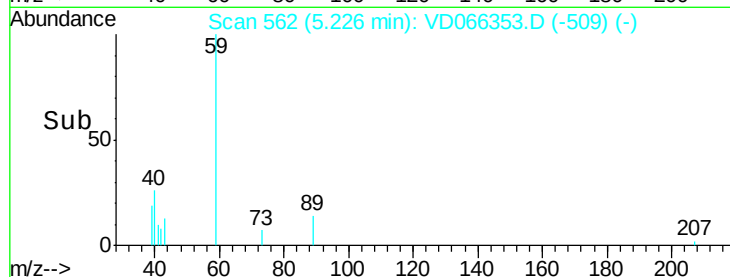
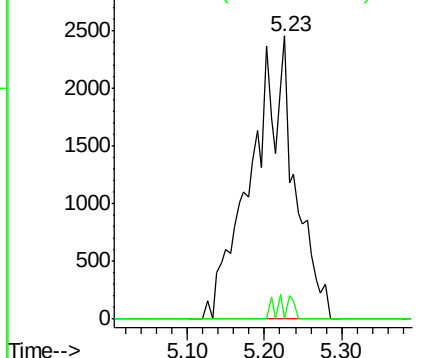
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 9.298 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

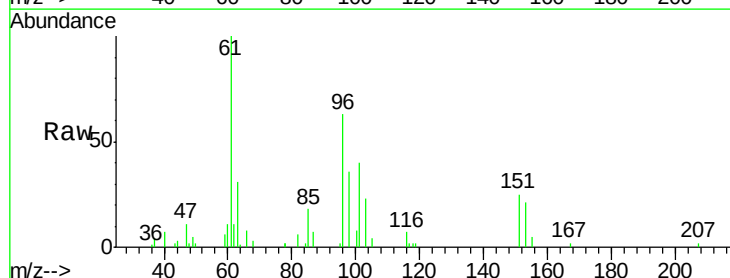
Tgt Ion: 96 Resp: 20341

Ion Ratio Lower Upper

96 100

61 157.7 124.3 186.5

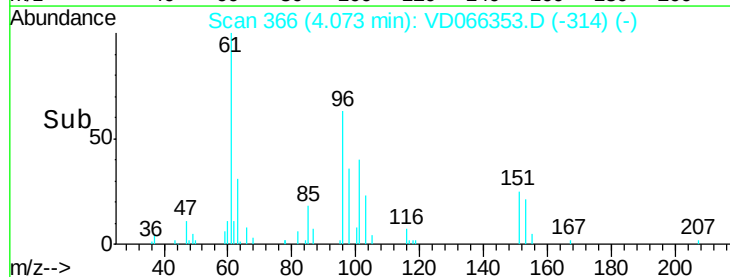
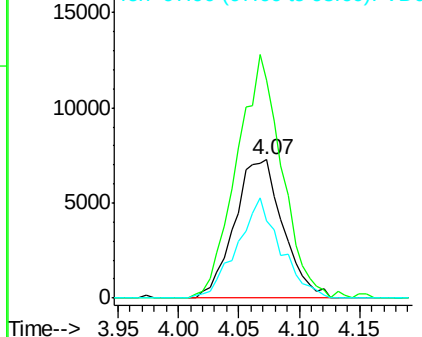
98 56.0 53.2 79.8

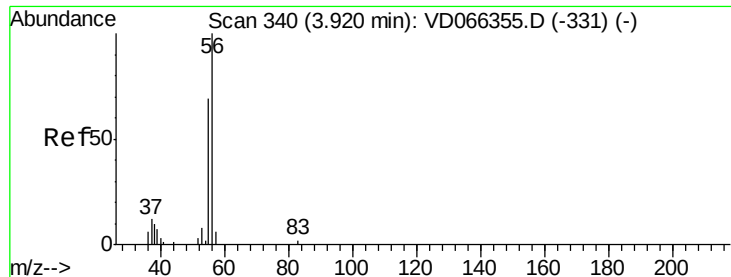


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 34.530 ug/l m

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 5798

Ion Ratio Lower Upper

56 100

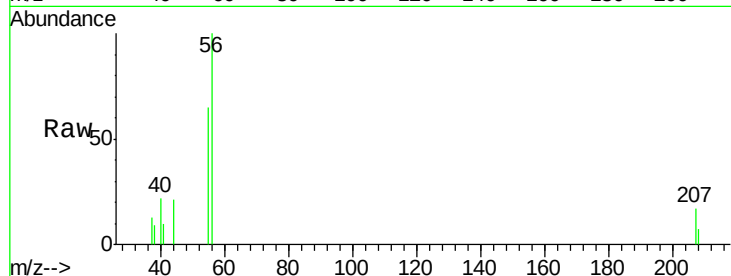
55 57.2 55.5 83.3

Manual Integrations

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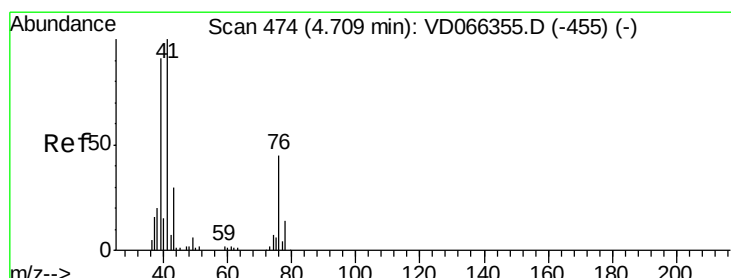
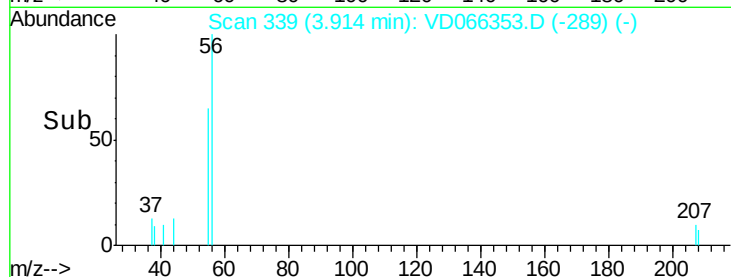
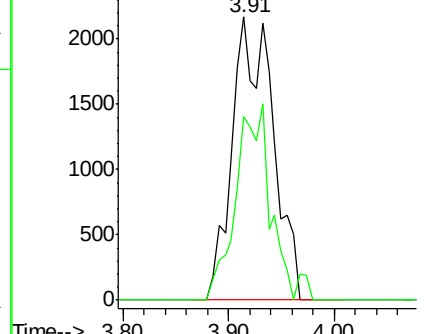
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 8.213 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

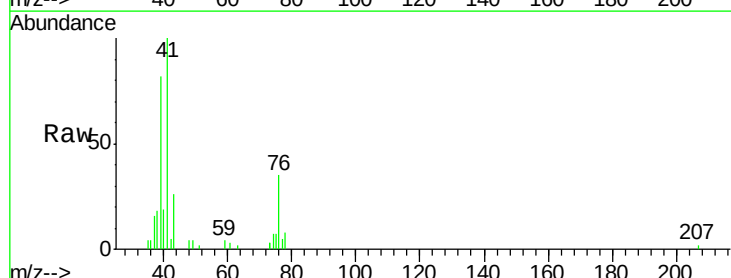
Tgt Ion: 41 Resp: 26683

Ion Ratio Lower Upper

41 100

39 87.1 72.8 109.2

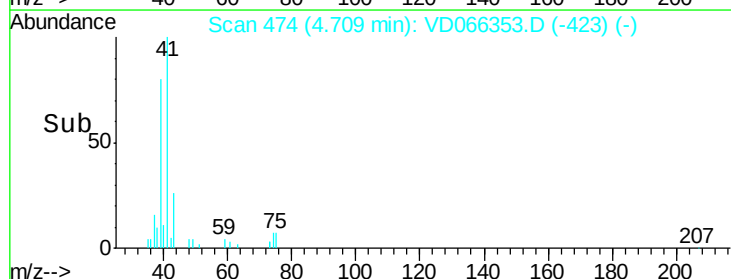
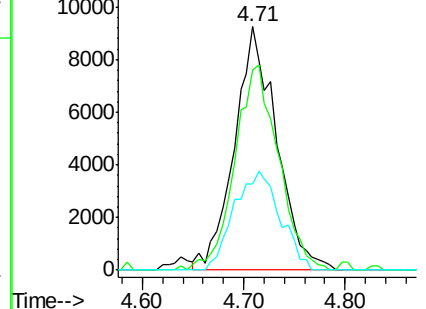
76 44.2 34.0 51.0

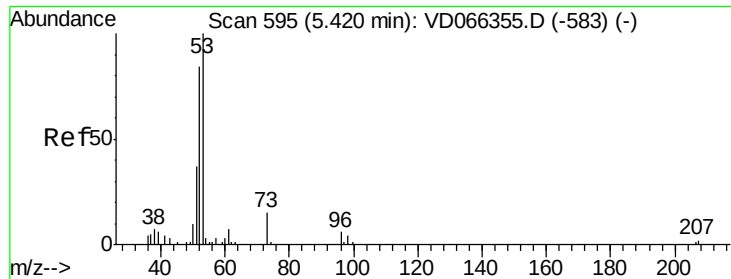


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 41.145 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

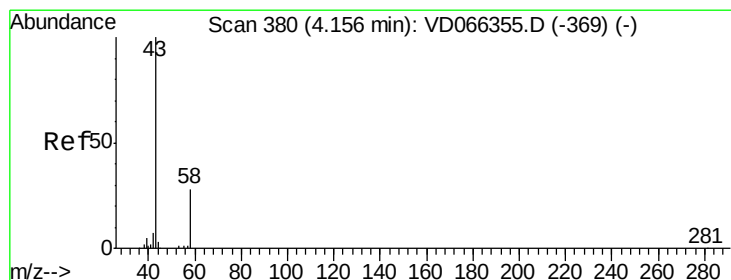
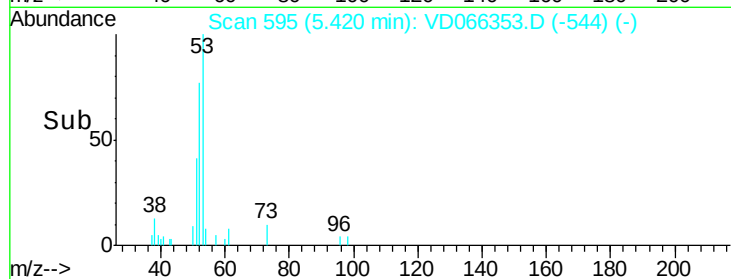
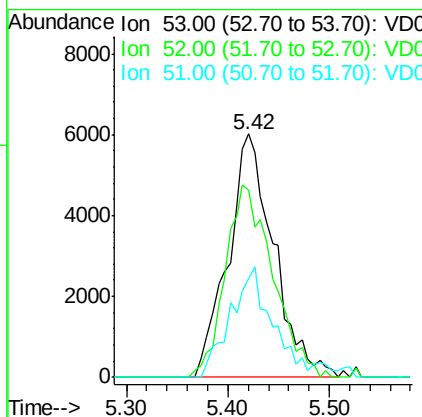
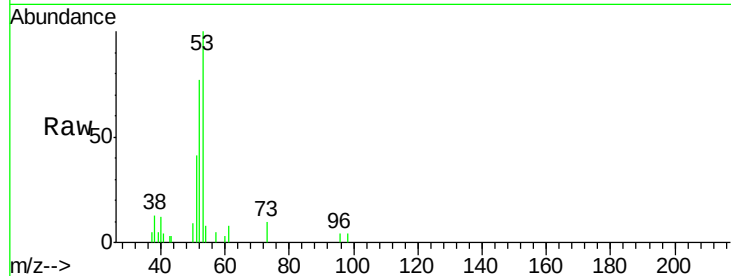
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	18817
Ion Ratio	Lower	Upper	
53	100		
52	82.0	68.1	102.1
51	41.2	33.8	50.6

Manual Integrations
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#16

Acetone

Concen: 48.670 ug/l

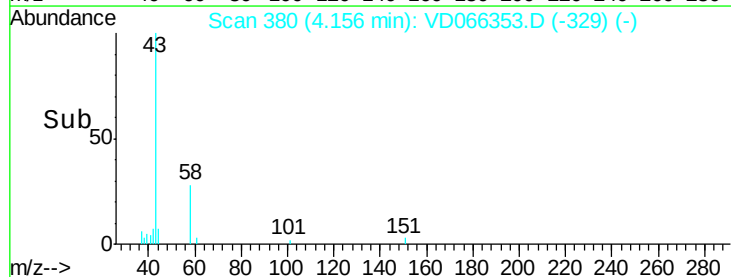
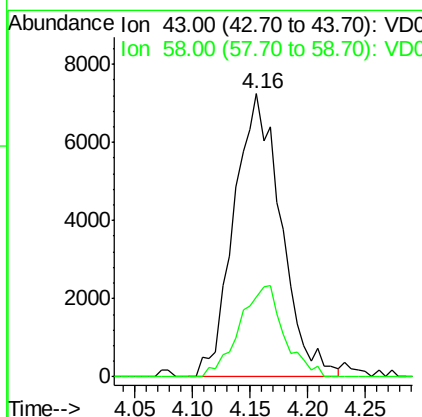
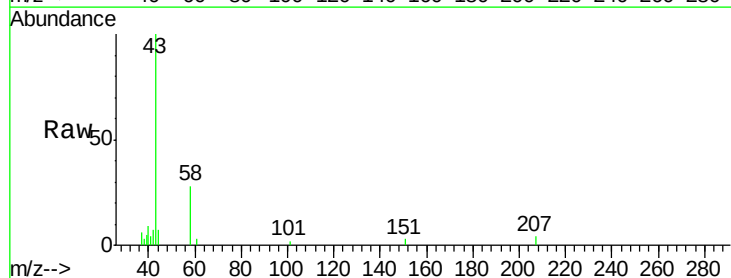
RT: 4.16 min Scan# 380

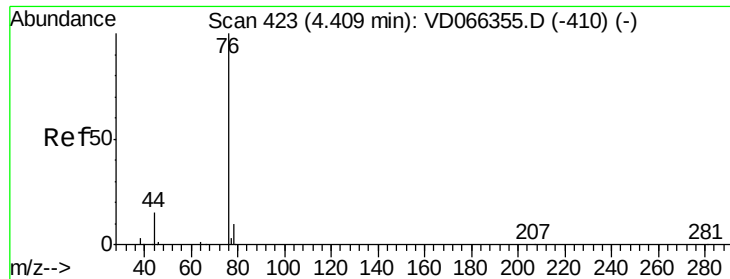
Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Tgt Ion:	43	Resp:	20569
Ion Ratio	Lower	Upper	
43	100		
58	28.4	22.7	34.1





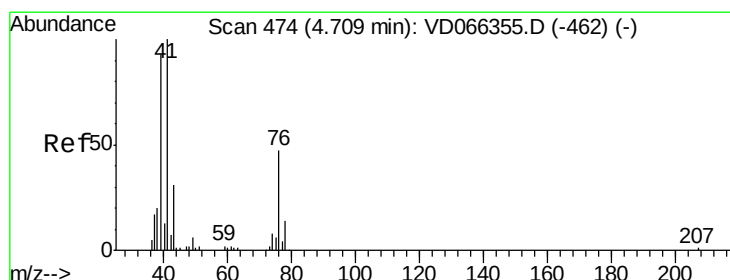
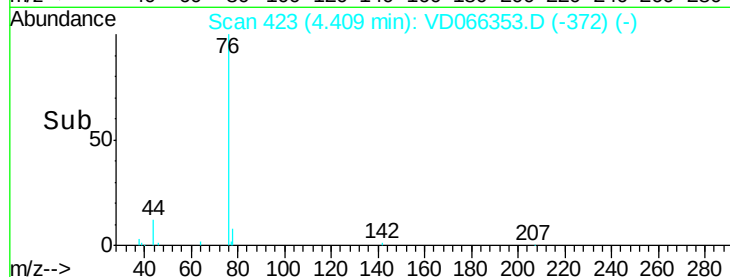
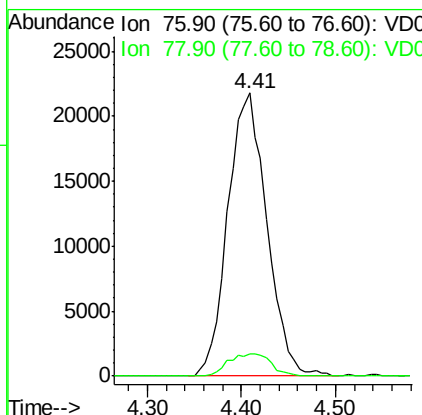
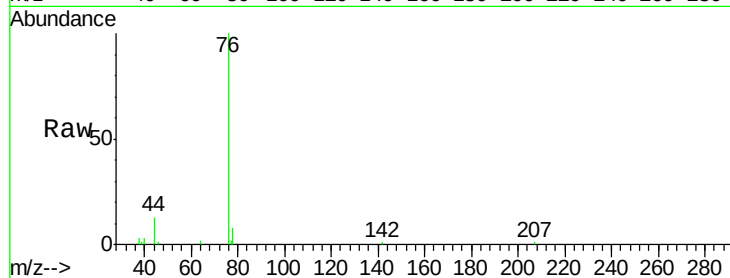
#17
Carbon Disulfide
Concen: 9.075 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.7	11.5

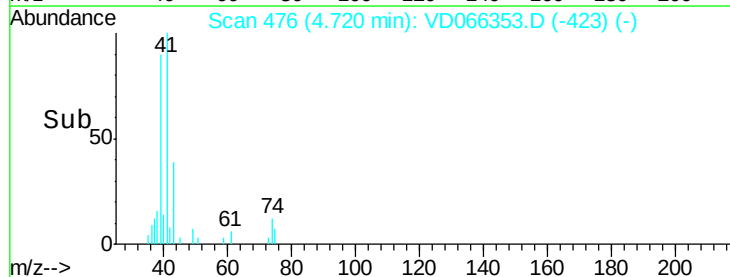
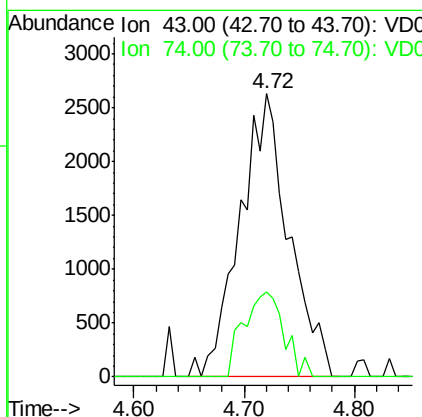
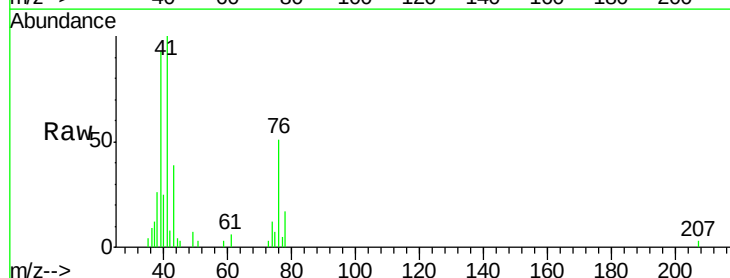
Manual Integrations
APPROVED

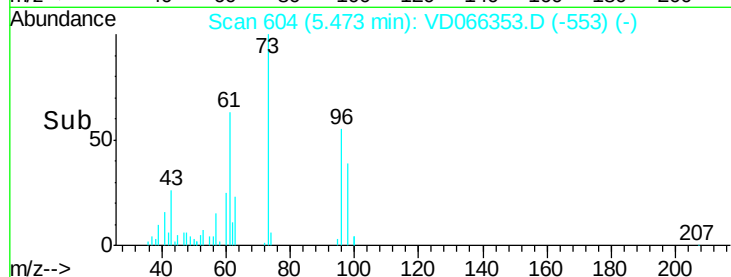
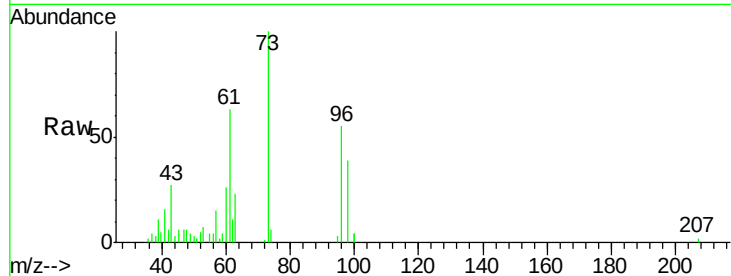
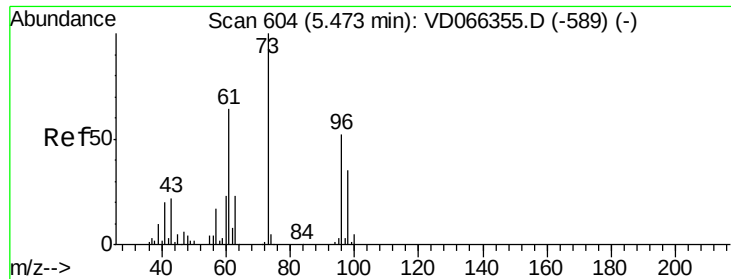
MMDadoda
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#18
Methyl Acetate
Concen: 7.836 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	21.0	31.6





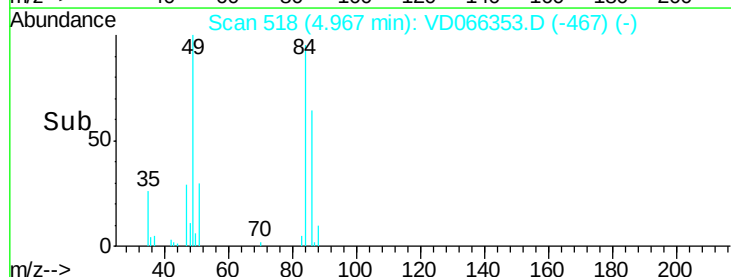
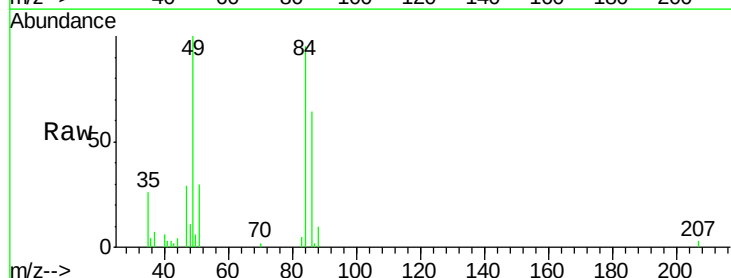
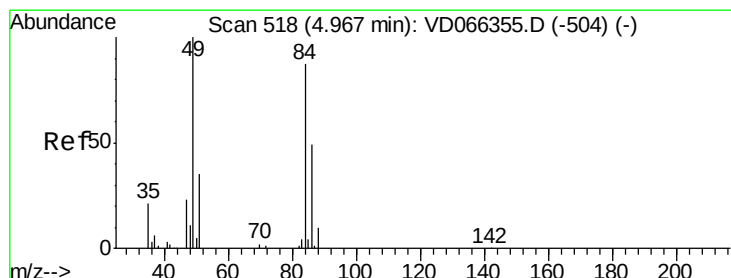
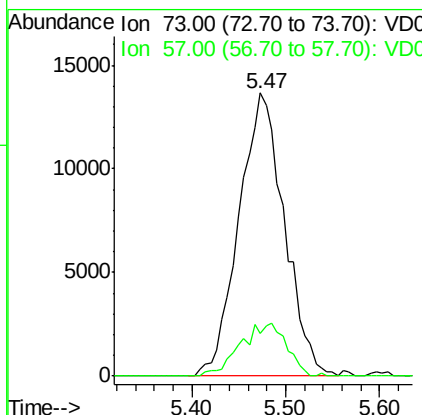
#19
Methyl tert-butyl Ether
Concen: 9.033 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tot Ion: 73 Resp: 45719
Ion Ratio Lower Upper
73 100
57 15.0 13.8 20.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

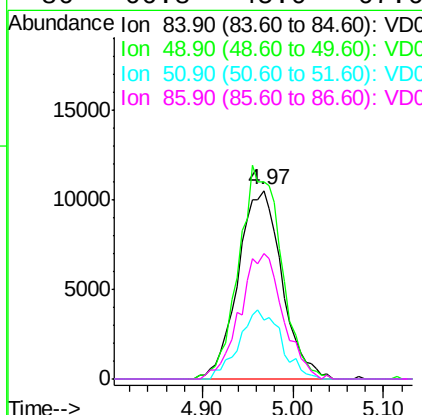
Manual Integrations
APPROVED

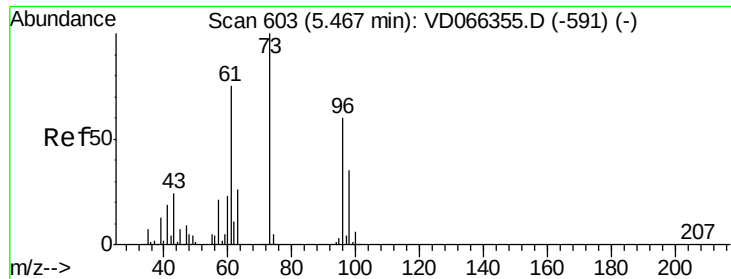
MMDadoda
8/24/2020 4:36:31 PM



#20
Methylene Chloride
Concen: 12.362 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion: 84 Resp: 35325
Ion Ratio Lower Upper
84 100
49 104.9 92.5 138.7
51 31.4 32.5 48.7#
86 66.8 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 9.144 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

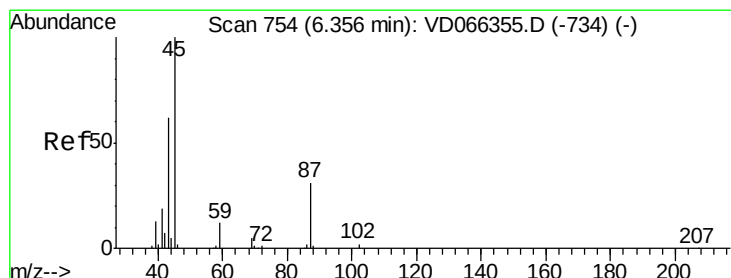
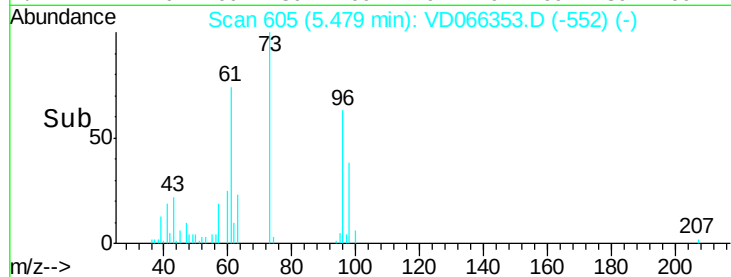
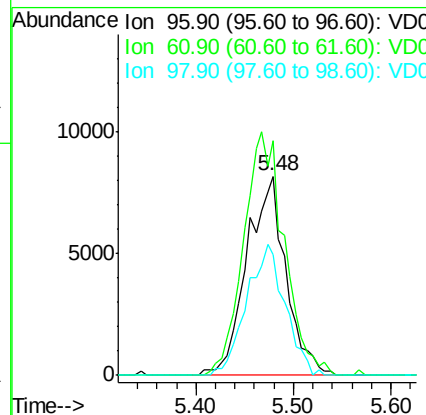
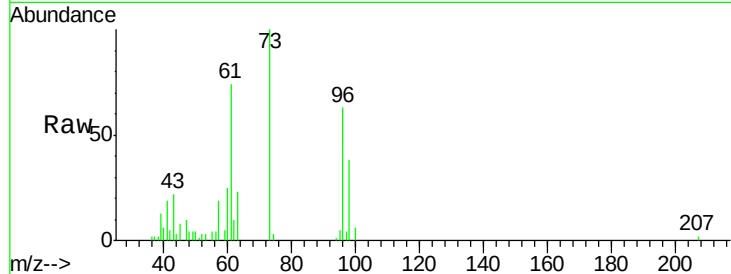
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	22947
Ion	Ratio	Lower	Upper
96	100		
61	118.3	101.1	151.7
98	60.8	47.0	70.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 7.831 ug/l

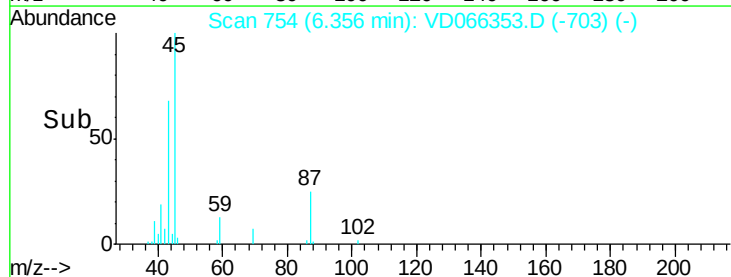
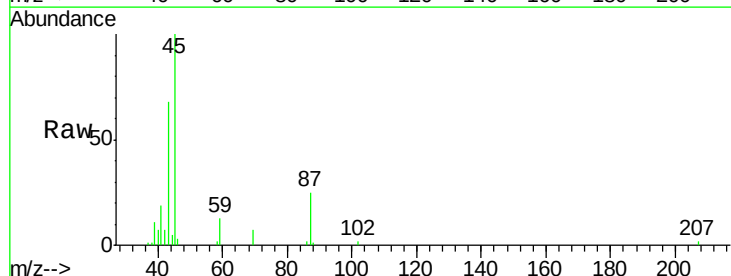
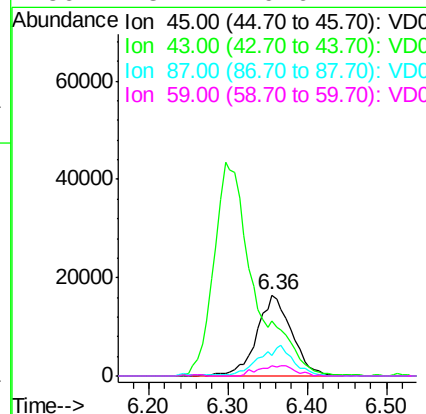
RT: 6.36 min Scan# 754

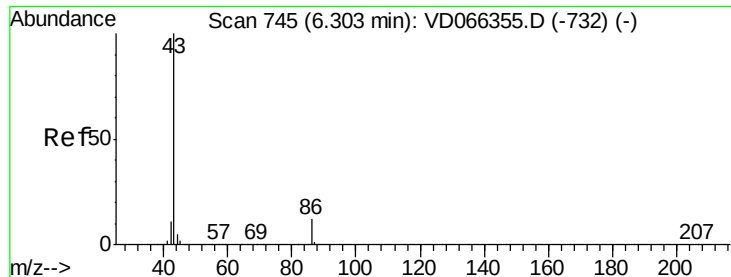
Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Tgt Ion:	45	Resp:	50304
Ion	Ratio	Lower	Upper
45	100		
43	65.8	49.8	74.8
87	25.4	25.0	37.6
59	13.4	9.6	14.4





#23

Vinyl Acetate

Concen: 40.519 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 153561

Ion Ratio Lower Upper

43 100

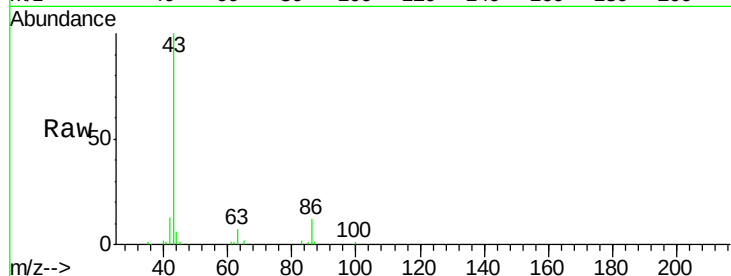
86 12.0 9.4 14.0

Manual Integrations

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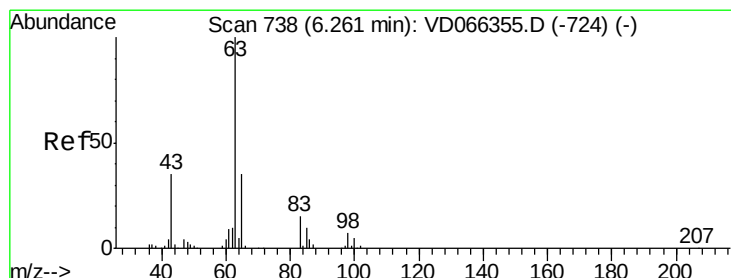
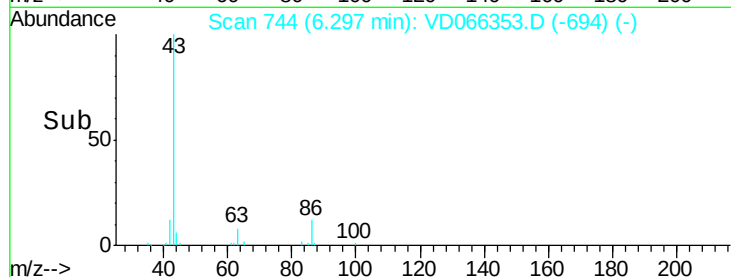
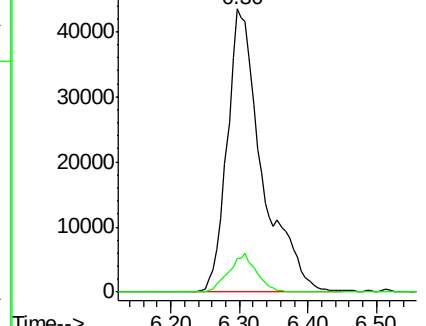
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 9.209 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

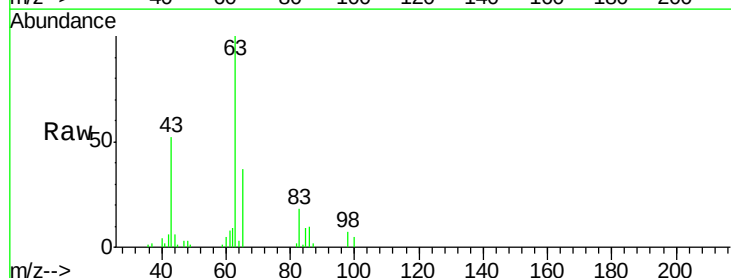
Tgt Ion: 63 Resp: 37171

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.6

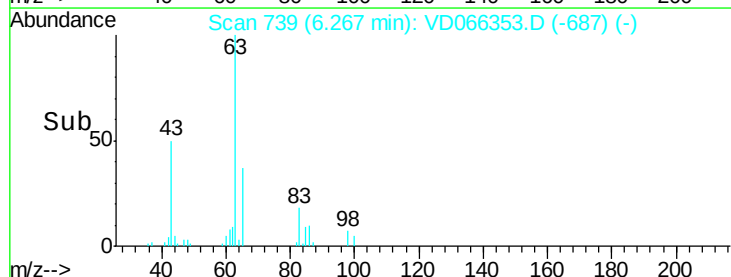
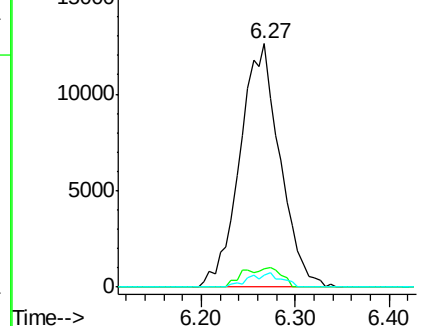
100 4.9 2.5 7.6

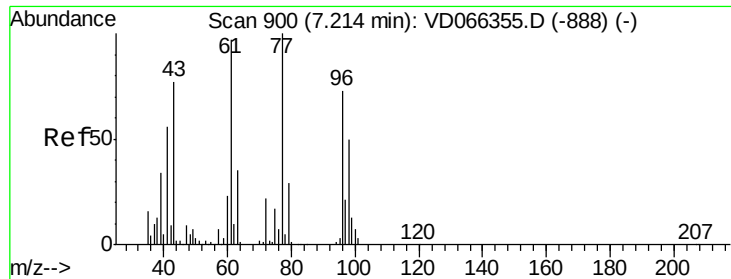


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





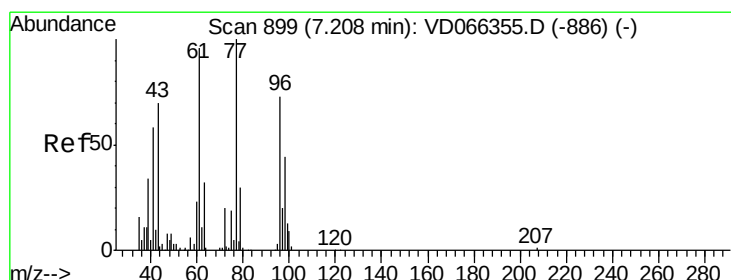
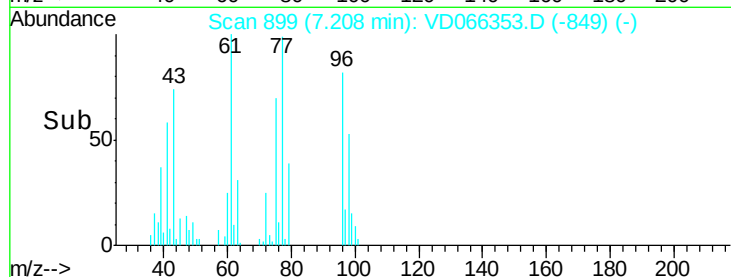
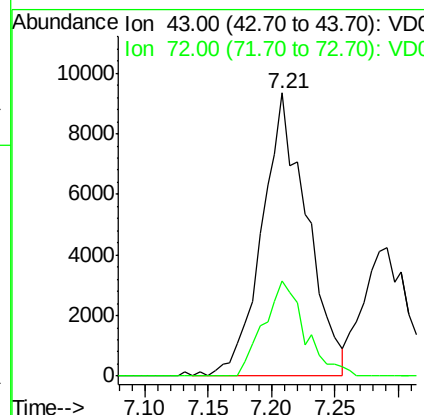
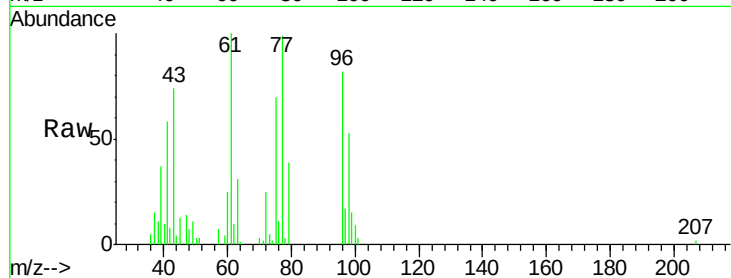
#25
2-Butanone
Concen: 38.280 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 23117
Ion Ratio Lower Upper
43 100
72 33.9 22.5 33.7#

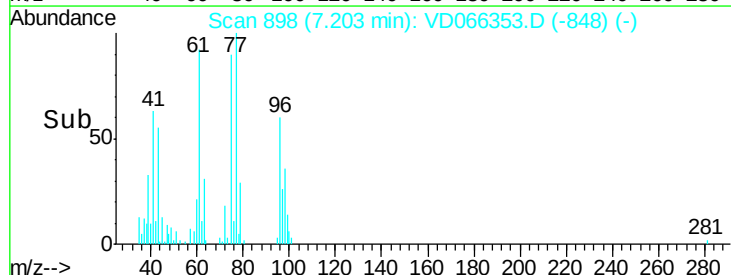
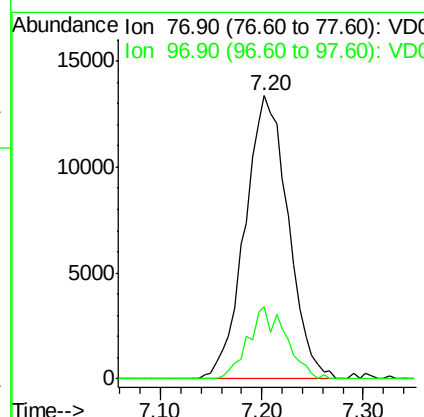
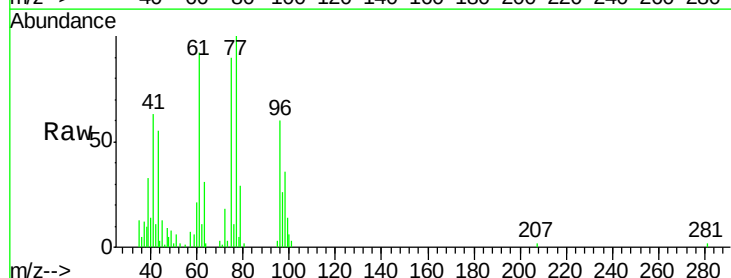
Manual Integrations
APPROVED

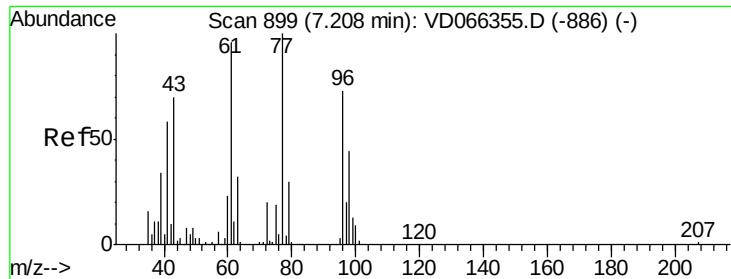
MMDadoda
8/24/2020 4:36:31 PM



#26
2,2-Dichloropropane
Concen: 10.612 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion: 77 Resp: 39768
Ion Ratio Lower Upper
77 100
97 22.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 9.709 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066353.D

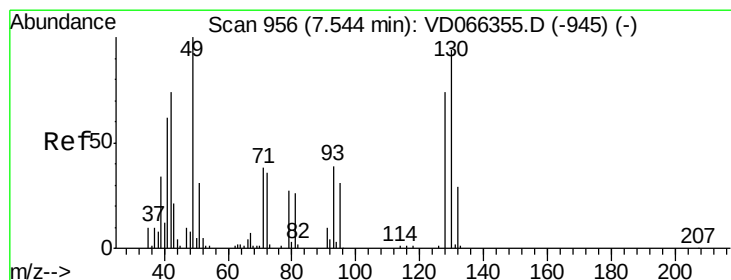
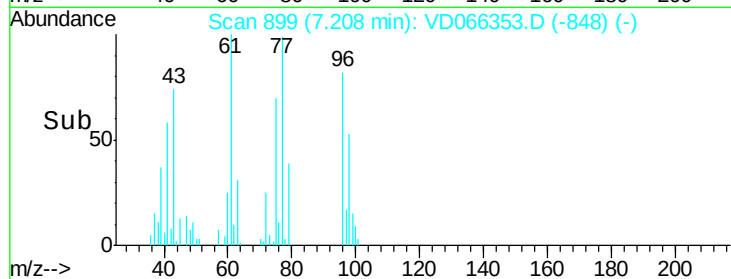
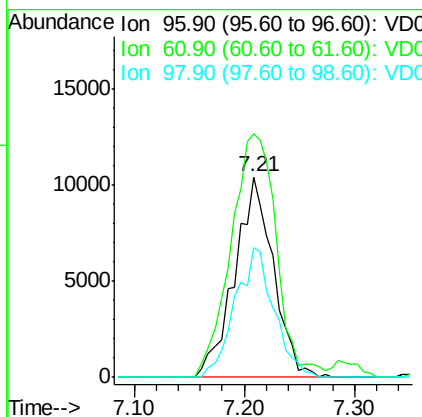
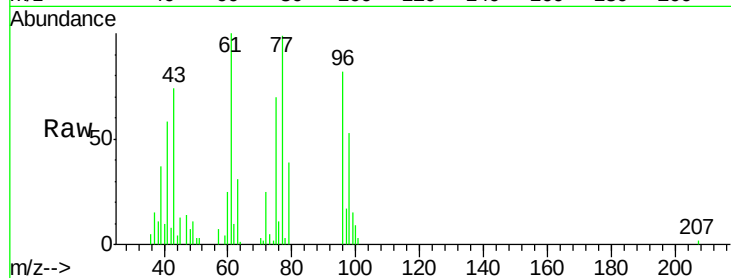
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	25647		
61	142.7		0.0	281.4
98	64.9		0.0	132.2

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8/24/2020 4:36:31 PM



#28

Bromochloromethane

Concen: 9.127 ug/l

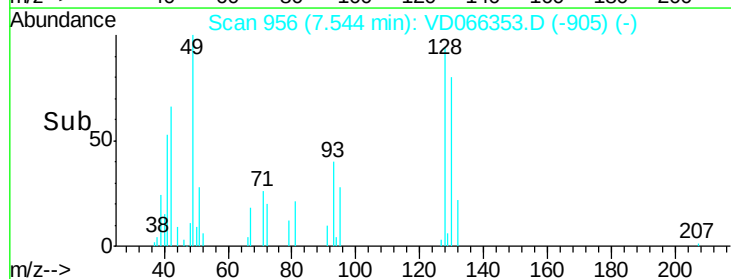
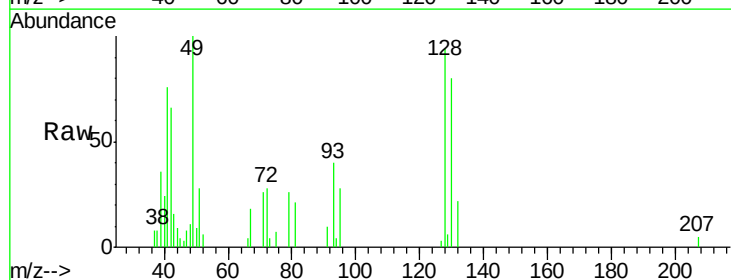
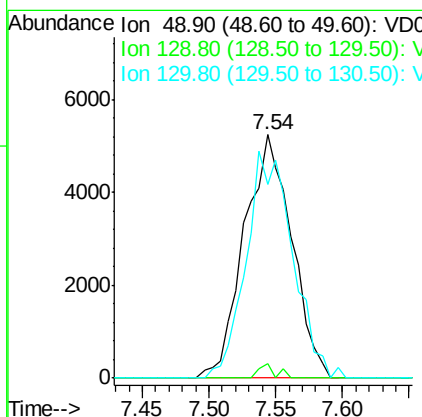
RT: 7.54 min Scan# 956

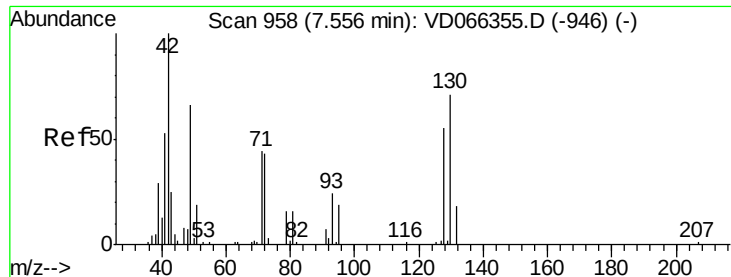
Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	12901		
129	2.0		0.0	3.0
130	91.2		82.6	124.0





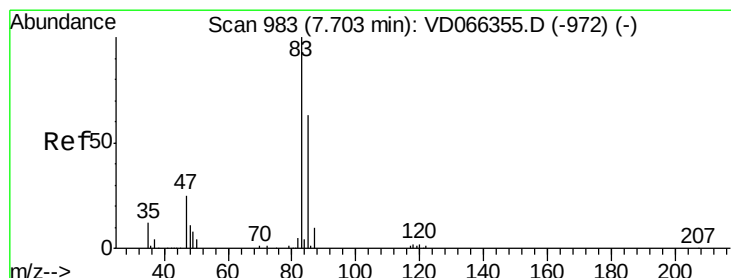
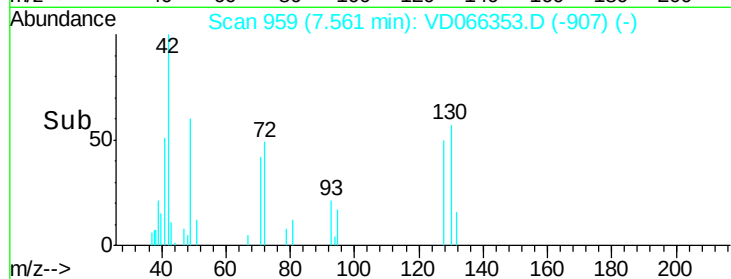
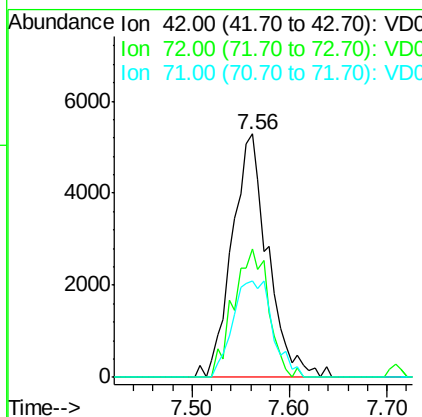
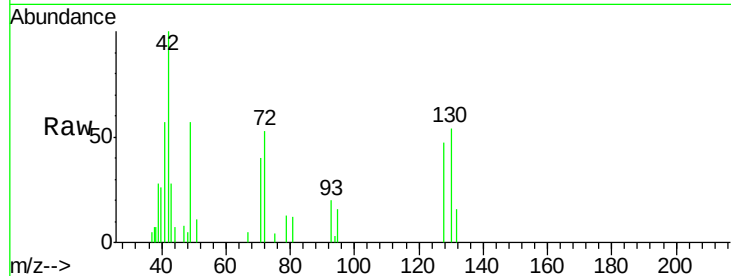
#29
Tetrahydrofuran
Concen: 36.832 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.2	41.0	61.4
71	44.0	37.2	55.8

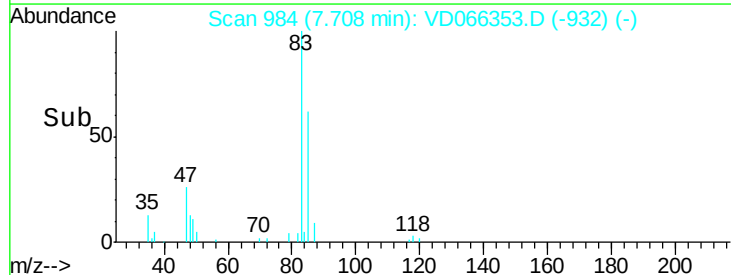
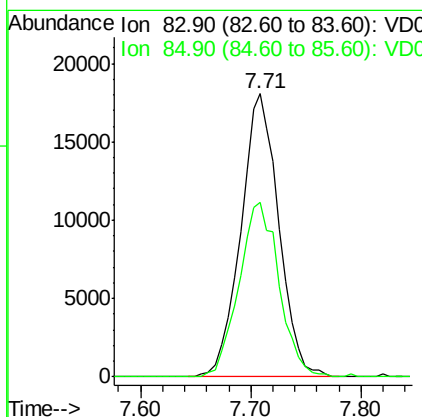
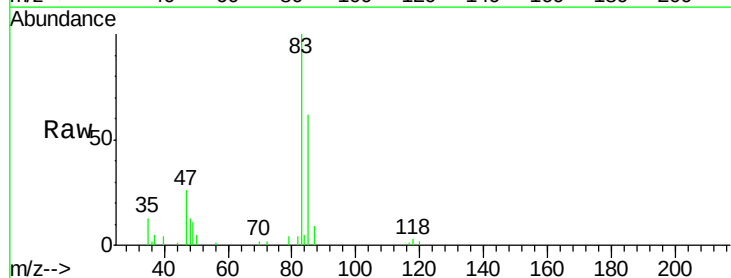
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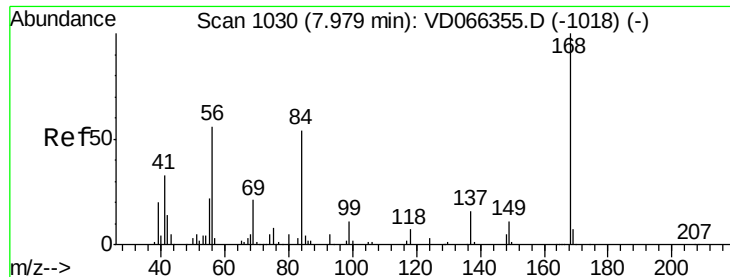
MMDadoda
8/24/2020 4:36:31 PM



#30
Chloroform
Concen: 10.078 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.3	75.5





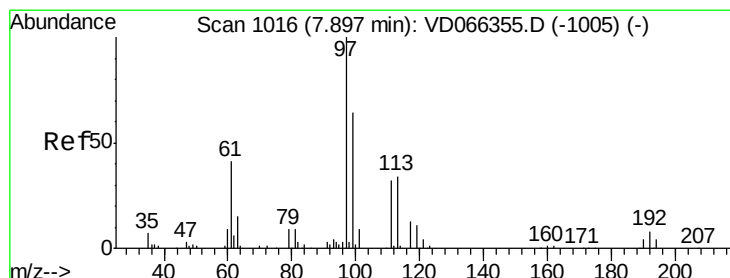
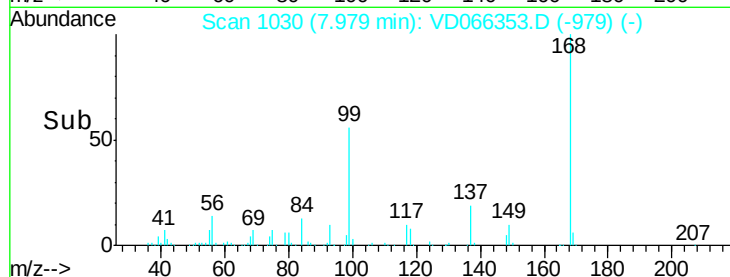
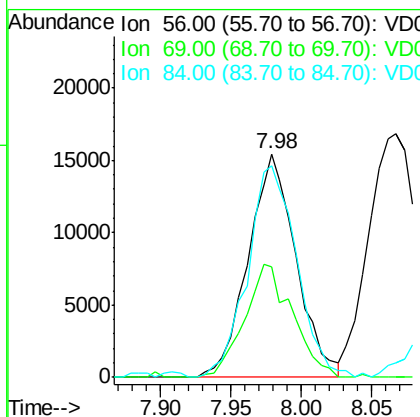
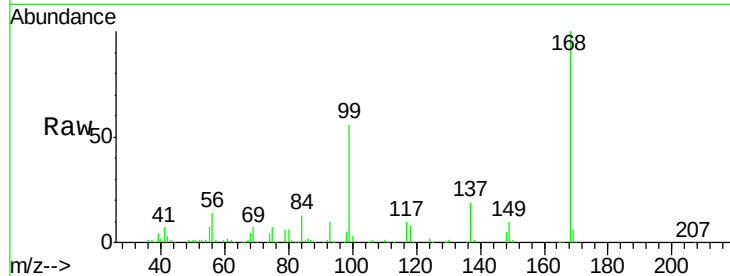
#31
Cyclohexane
Concen: 9.580 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	49.5	29.6	44.4#
84	94.9	76.6	115.0

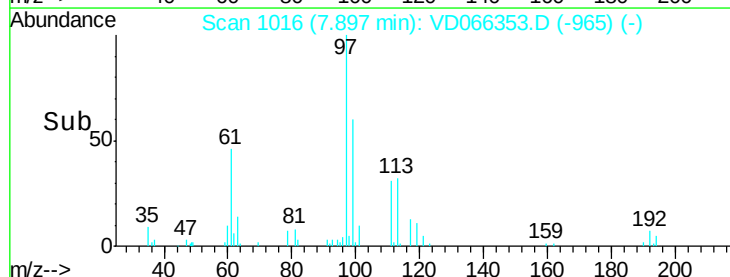
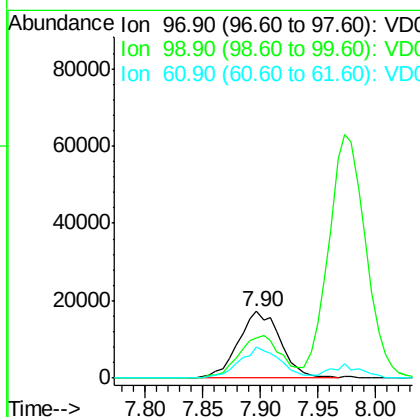
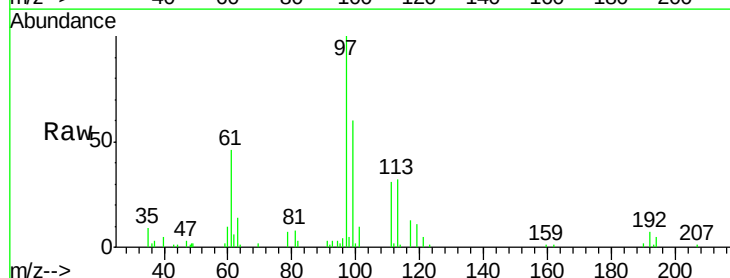
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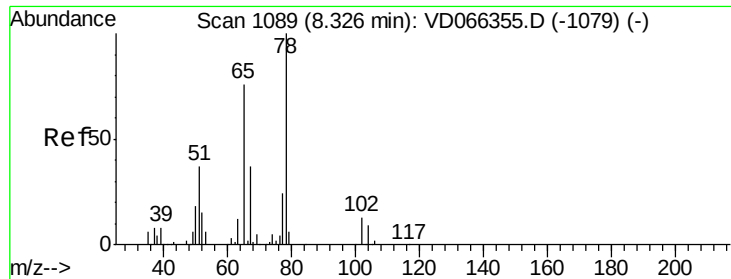
MMDadoda
8/24/2020 4:36:31 PM



#32
1,1,1-Trichloroethane
Concen: 10.660 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.5	77.3
61	44.5	33.3	49.9





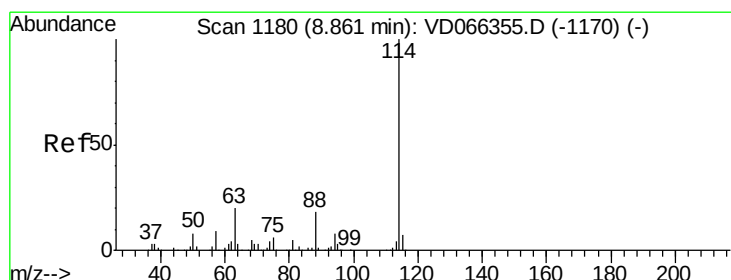
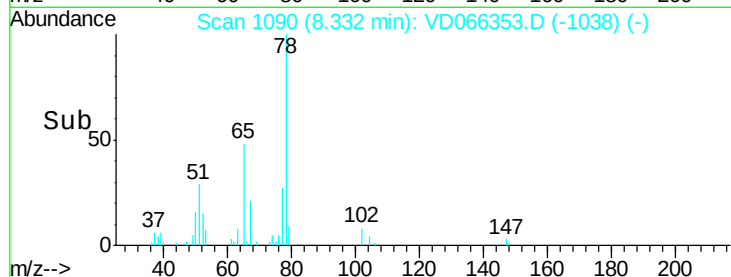
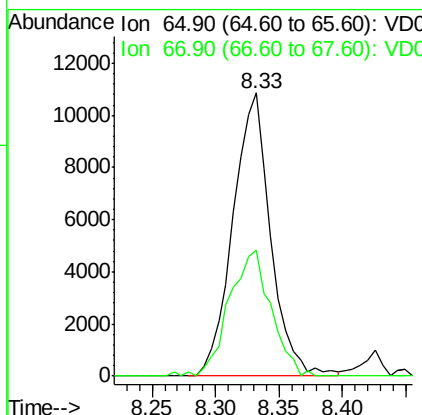
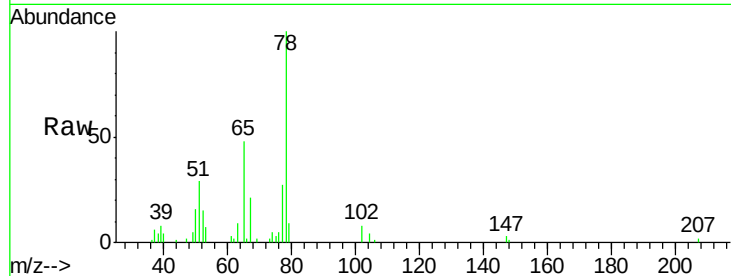
#33
 1,2-Dichloroethane-d4
 Concen: 9.898 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	22331		
67	49.2	0.0	101.6	

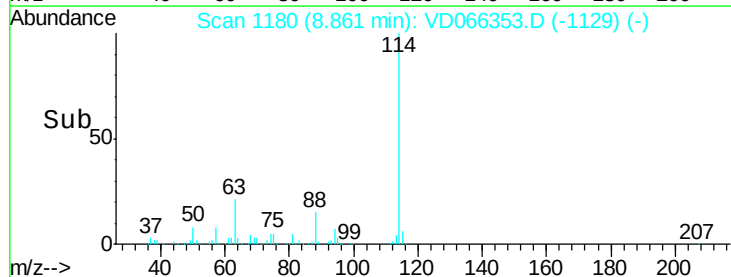
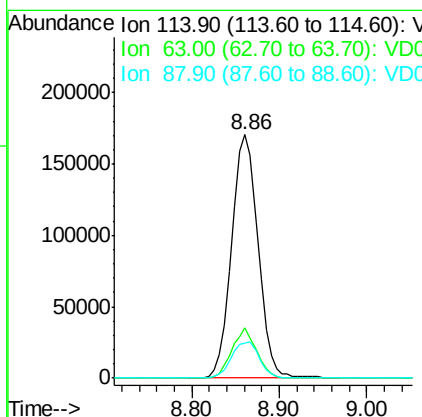
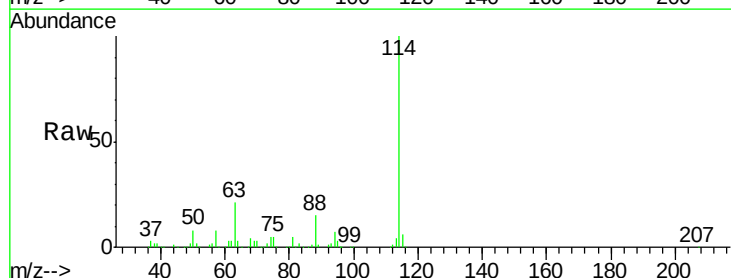
Manual Integrations
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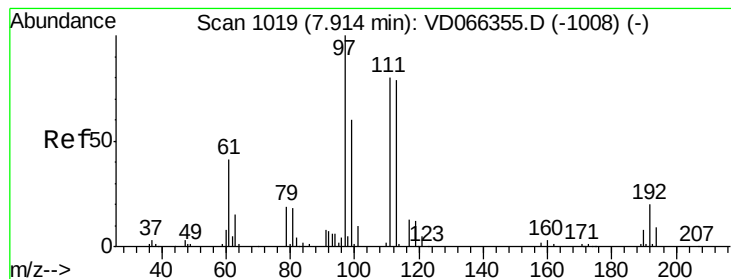
MMDadoda
 8/24/2020 4:36:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	348474		
63	20.9	0.0	40.8	
88	14.6	0.0	35.4	





#35

Dibromofluoromethane

Concen: 9.437 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

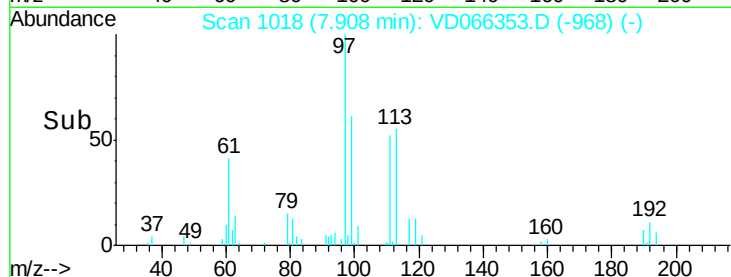
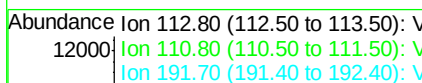
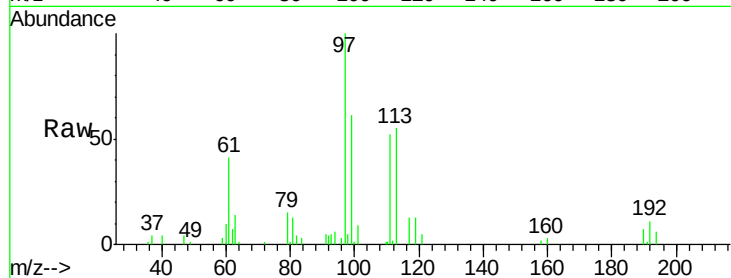
ClientSampleId :

VSTDIC010

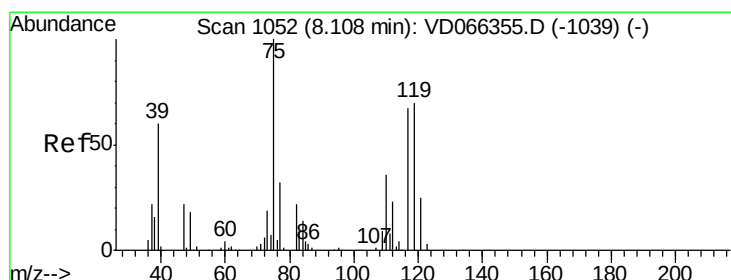
Tot Ion:	113	Resp:	20750
Ion Ratio	Lower	Upper	
113	100		
111	102.1	80.3	120.5
192	24.3	19.0	28.6

Manual Integrations
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Time-->



#36

1,1-Dichloropropene

Concen: 10.205 ug/l

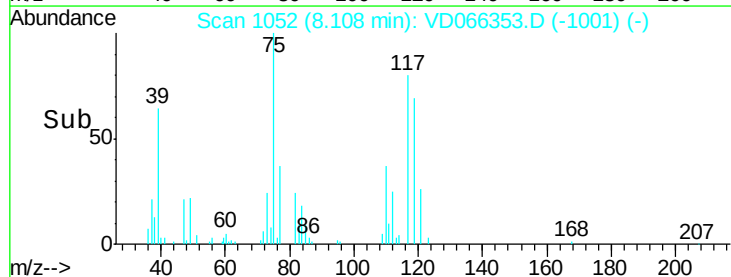
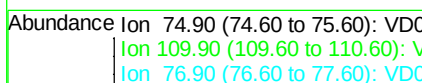
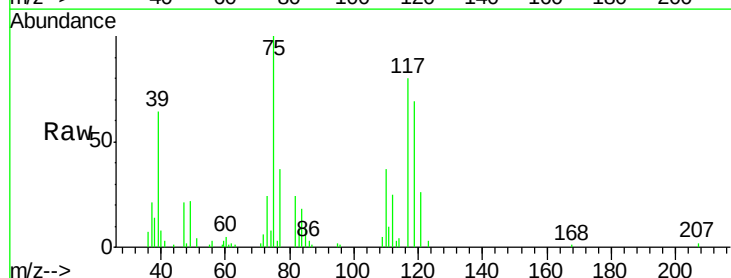
RT: 8.11 min Scan# 1052

Delta R.T. -0.00 min

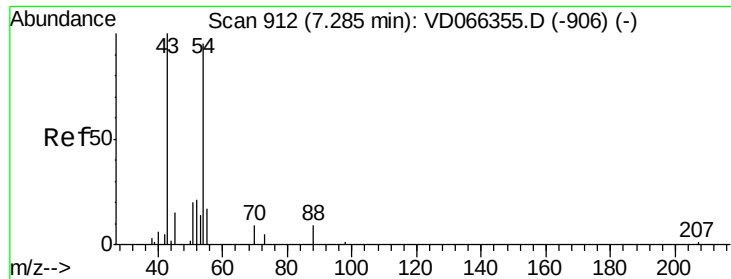
Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Tgt Ion:	75	Resp:	33314
Ion Ratio	Lower	Upper	
75	100		
110	37.9	18.7	56.1
77	29.6	25.2	37.8



Time-->



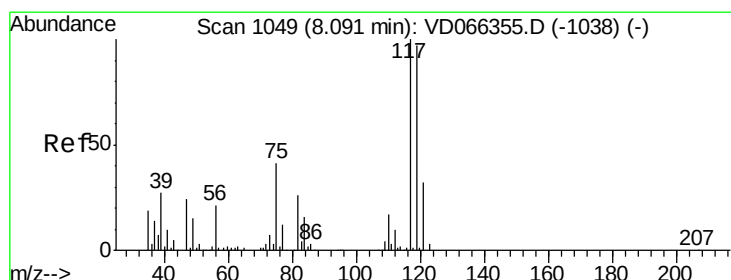
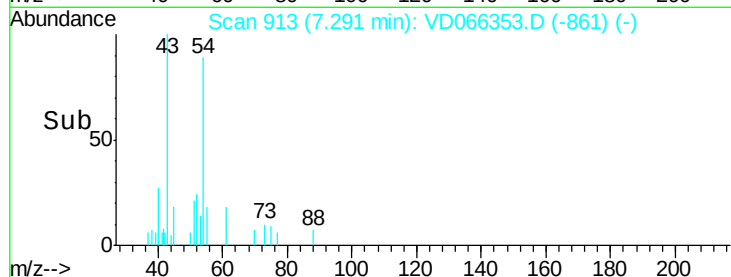
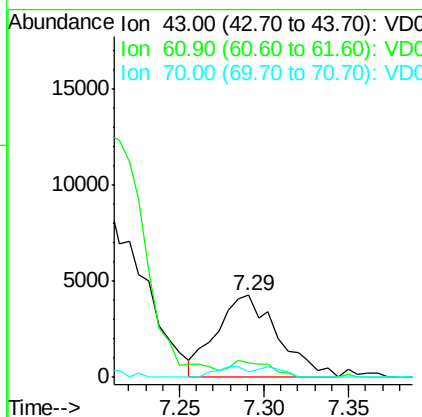
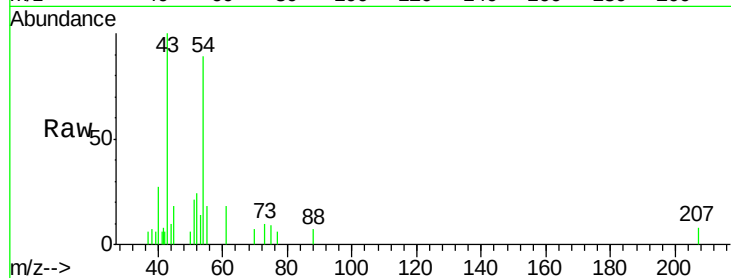
#37
Ethyl Acetate
Concen: 8.460 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	13.3	19.9#
70	6.7	3.5	5.3#

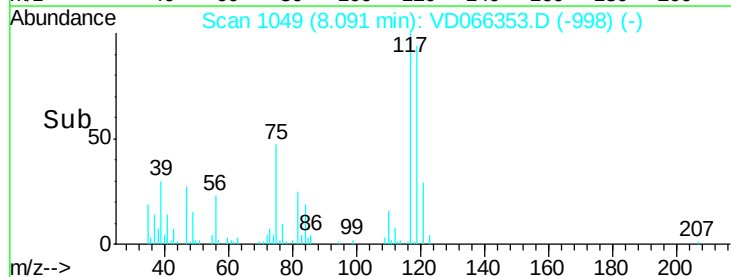
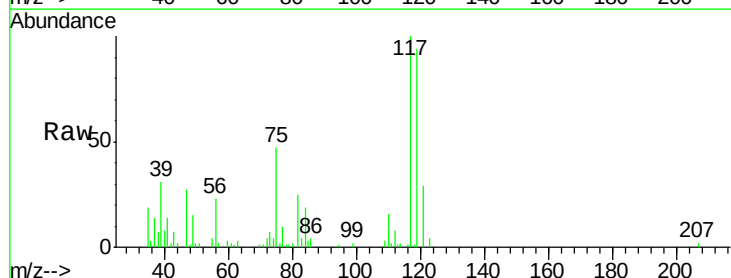
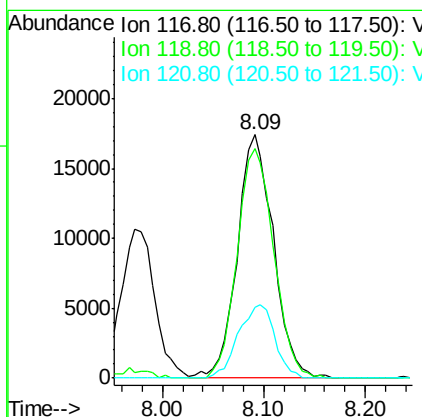
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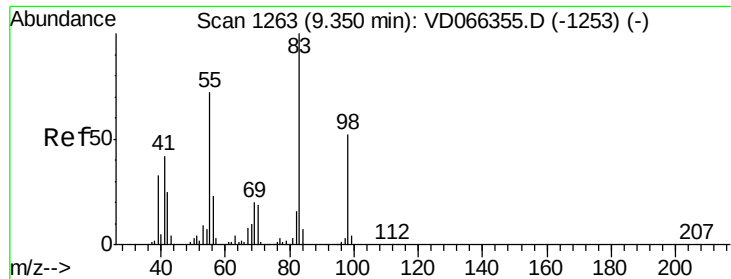
MMDadoda
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#38
Carbon Tetrachloride
Concen: 11.439 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.2	115.8
121	28.9	25.8	38.8





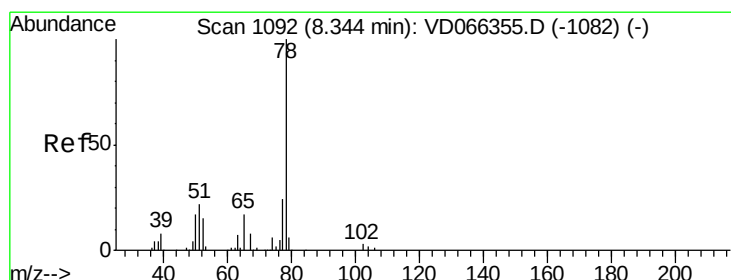
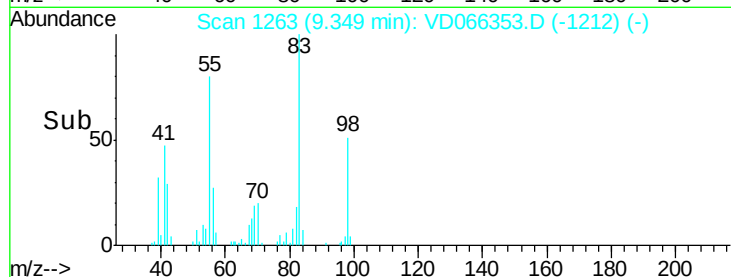
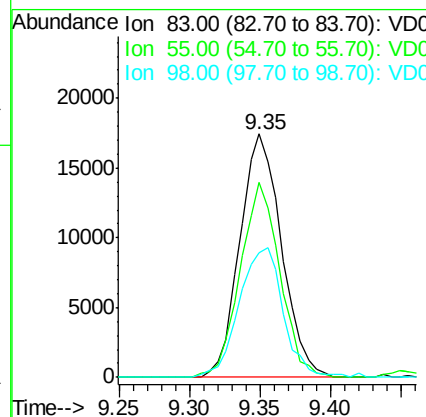
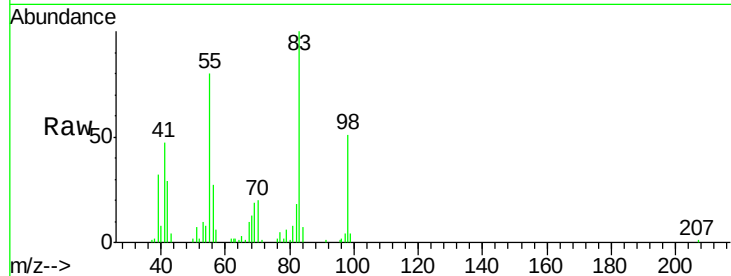
#39
Methylvlcyclohexane
Concen: 9.060 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	58.0	87.0
98	51.3	41.9	62.9

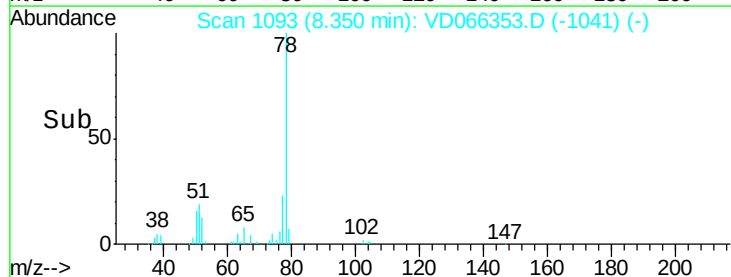
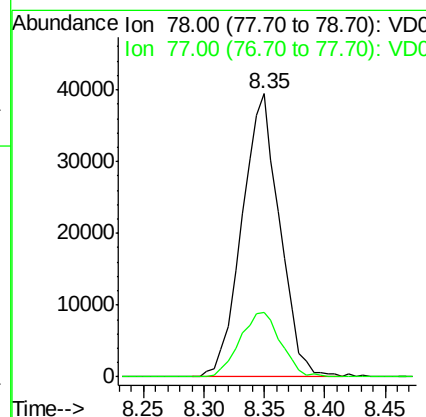
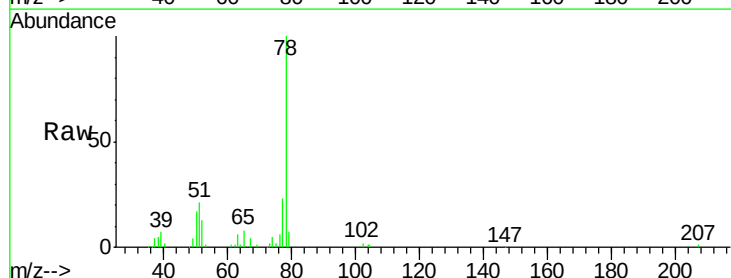
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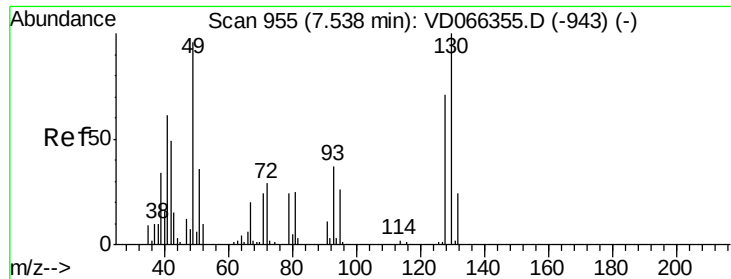
MMDadoda
8/24/2020 4:36:31 PM



#40
Benzene
Concen: 9.492 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





#41

Methacrylonitrile

Concen: 8.593 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 6560

Ion Ratio Lower Upper

41 100

39 54.4 51.8 77.8

67 78.6 0.0 0.0#

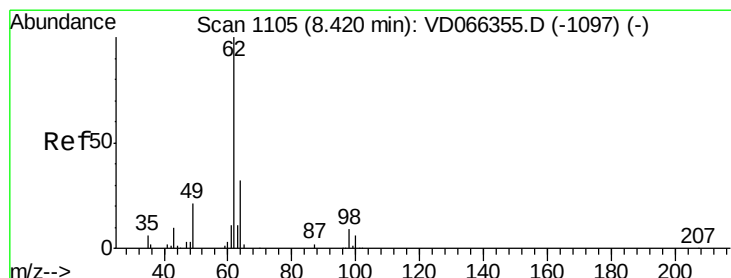
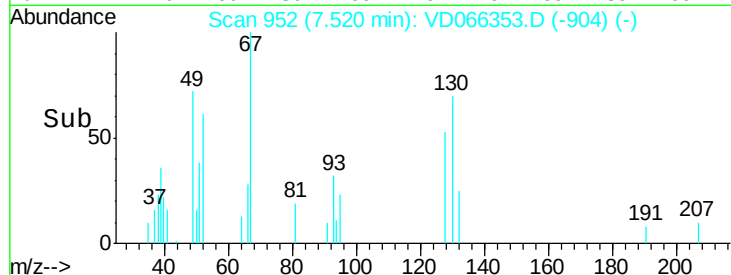
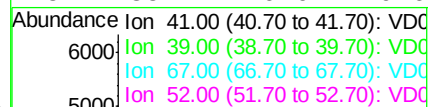
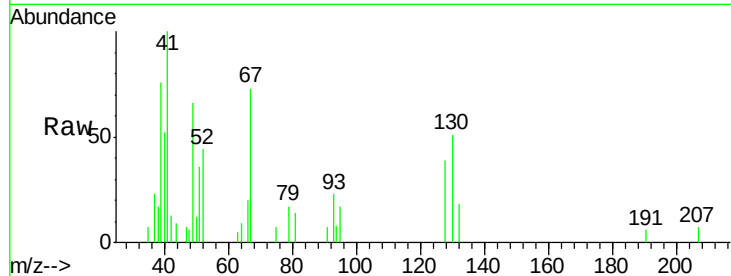
52 35.7 0.0 0.0#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 10.927 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066353.D

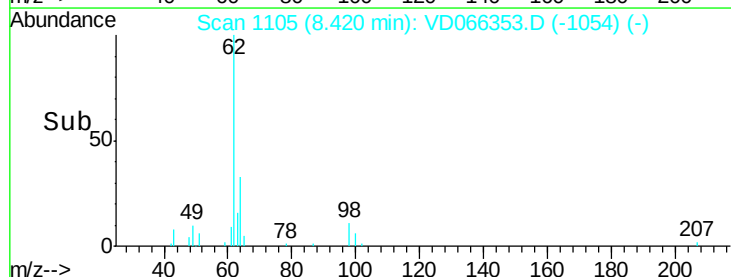
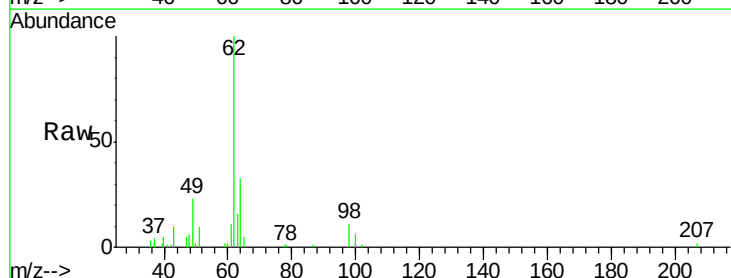
Acq: 21 Aug 2020 11:25

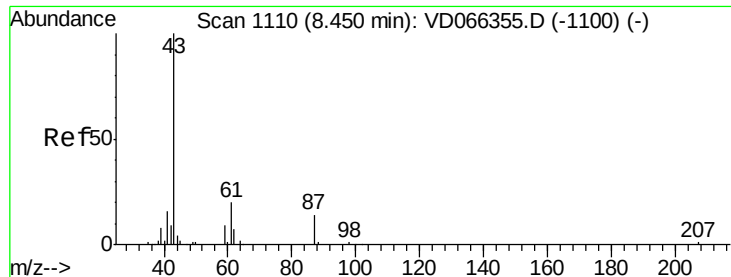
Tgt Ion: 62 Resp: 29904

Ion Ratio Lower Upper

62 100

98 8.7 0.0 16.2





#43

Isopropyl Acetate

Concen: 8.169 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

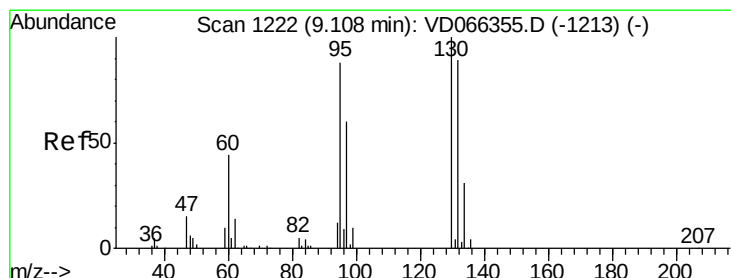
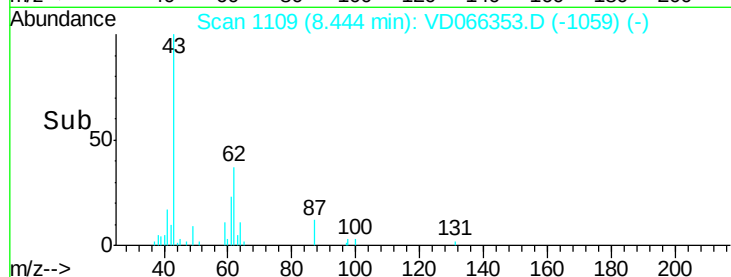
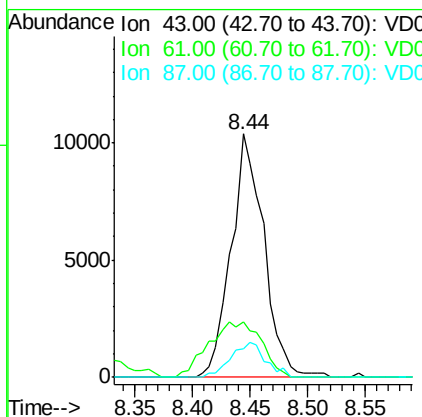
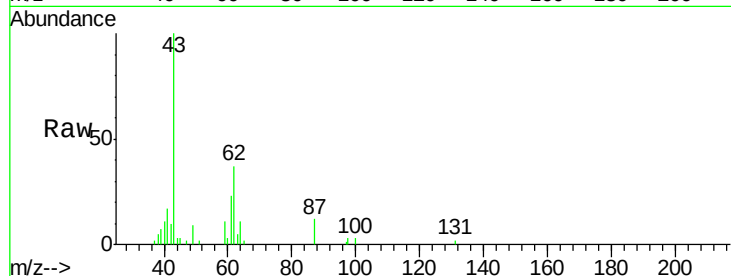
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	20556
Ion	Ratio	Lower	Upper
43	100		
61	36.6	26.5	39.7
87	15.2	11.9	17.9

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#44

Trichloroethene

Concen: 10.308 ug/l

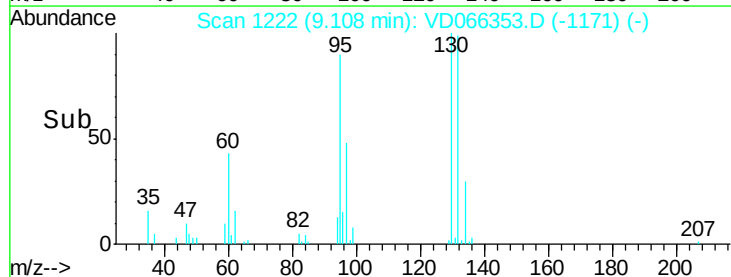
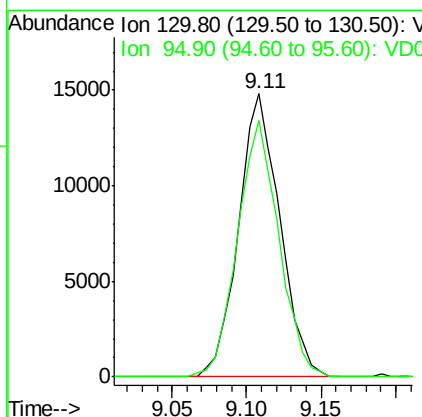
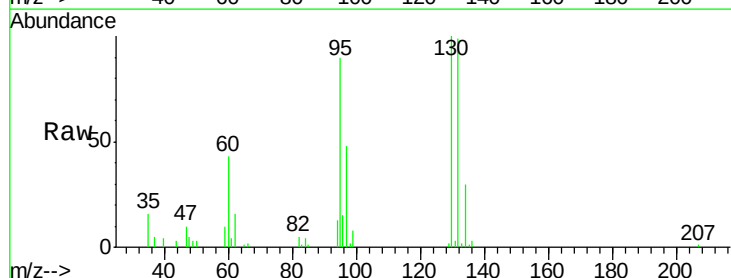
RT: 9.11 min Scan# 1222

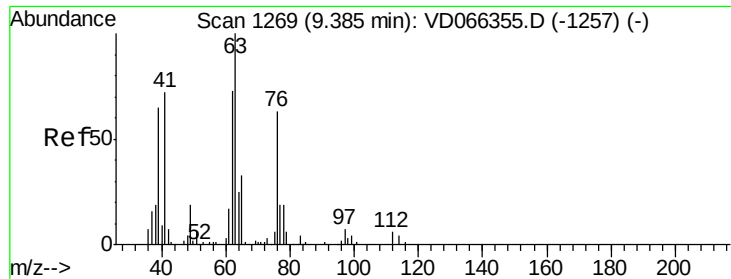
Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Tgt Ion:	130	Resp:	28311
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	175.6





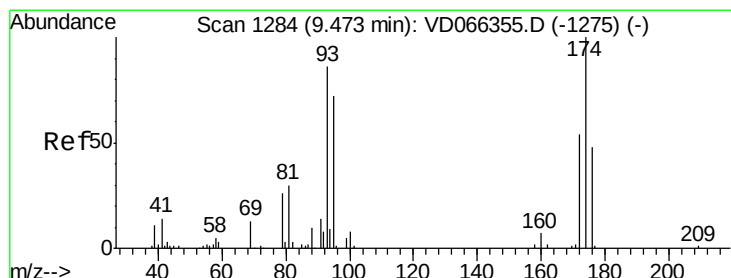
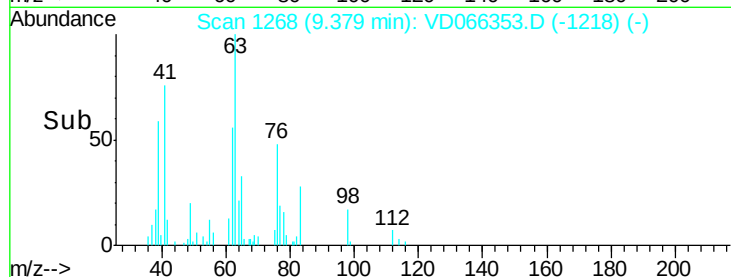
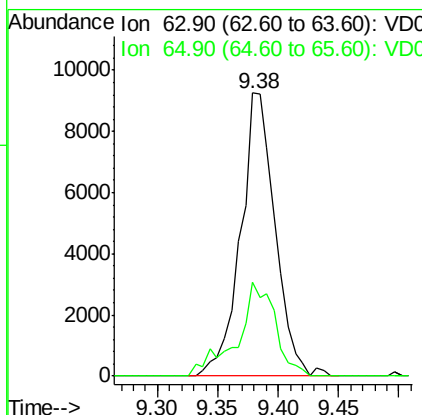
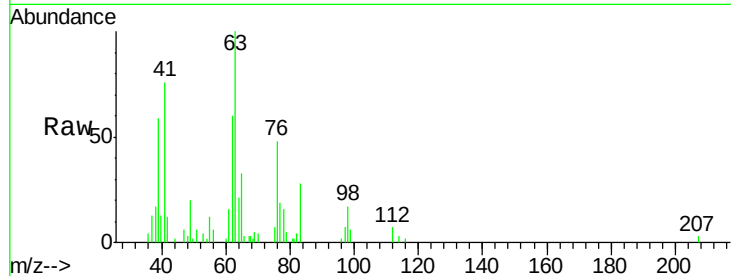
#45
 1,2-Dichloropropane
 Concen: 8.461 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 18502
 Ion Ratio Lower Upper
 63 100
 65 33.2 26.4 39.6

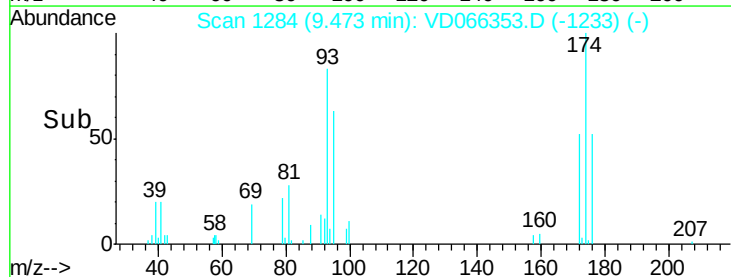
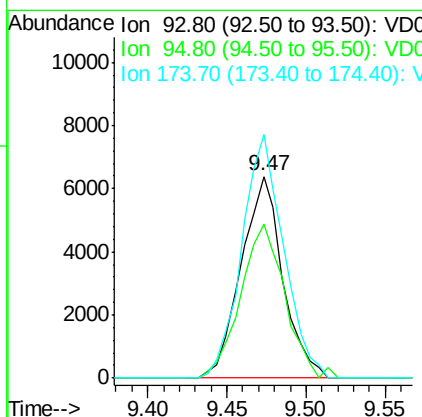
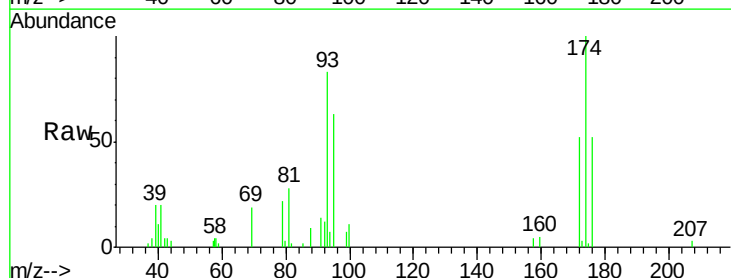
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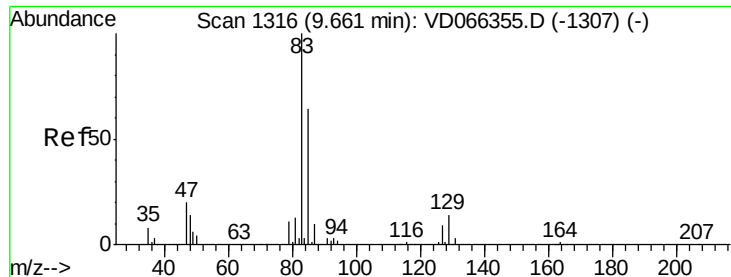
MMDadoda
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#46
 Dibromomethane
 Concen: 9.507 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Tgt Ion: 93 Resp: 11609
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.0 99.0
 174 121.6 94.6 141.8





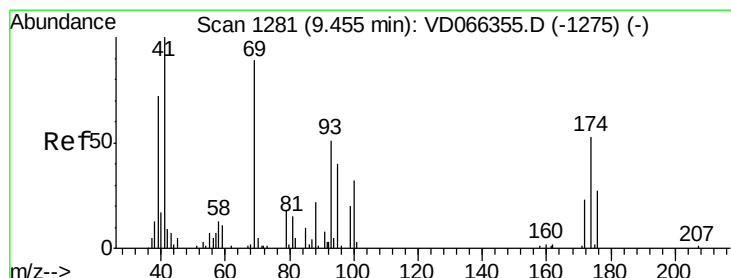
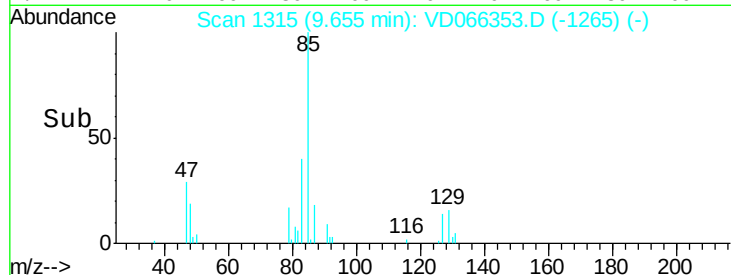
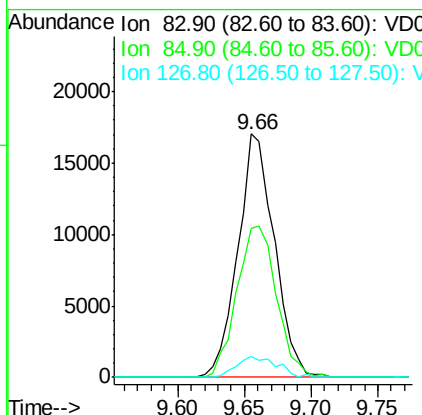
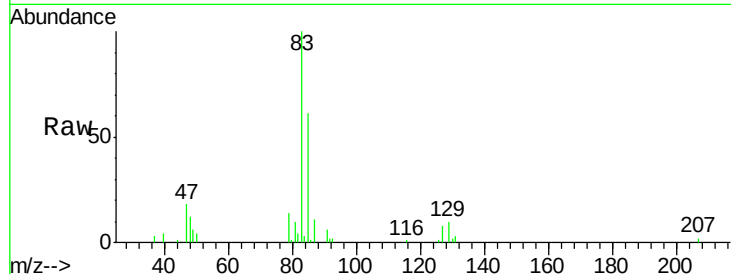
#47
Bromodichloromethane
Concen: 9.927 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	32347
Ion Ratio	100	Lower	Upper
83	100		
85	61.4	51.4	77.0
127	8.4	7.4	11.0

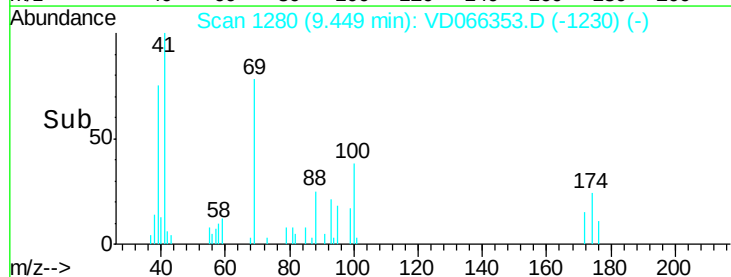
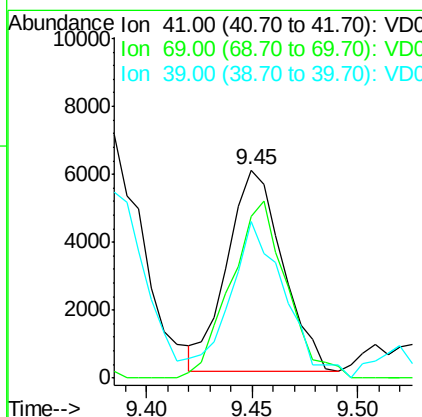
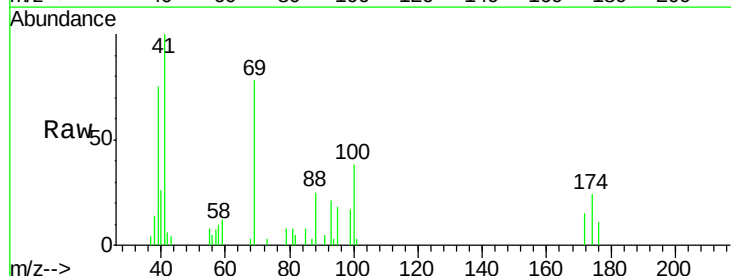
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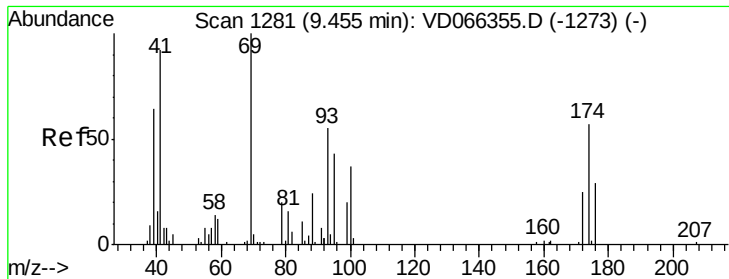
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#48
Methyl methacrylate
Concen: 8.583 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	41	Resp	10868
Ion Ratio	100	Lower	Upper
41	100		
69	88.2	75.5	113.3
39	76.0	57.0	85.4





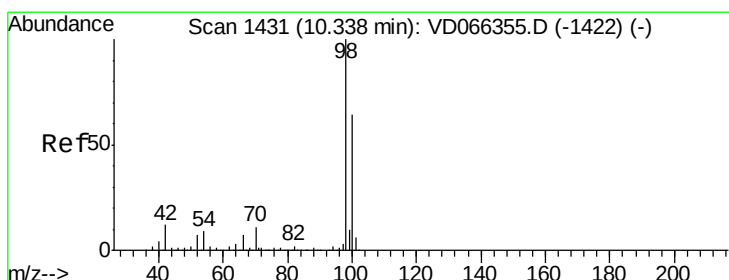
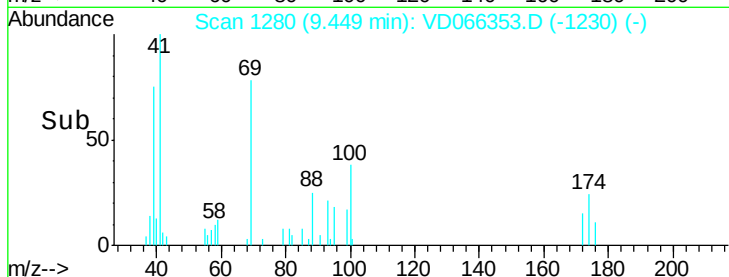
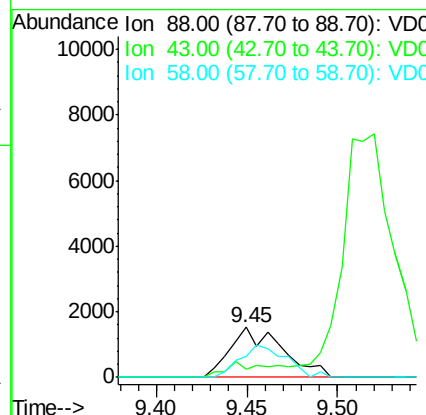
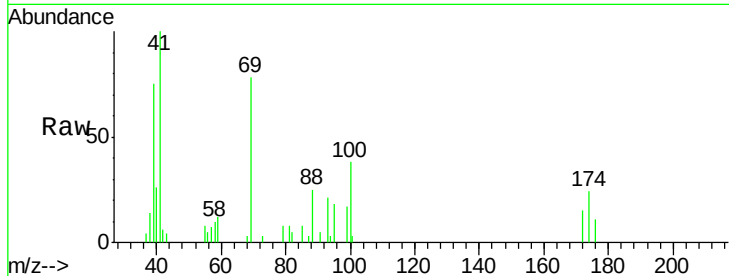
#49
1,4-Dioxane
Concen: 195.017 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.4	44.0#
58	57.1	45.4	68.2

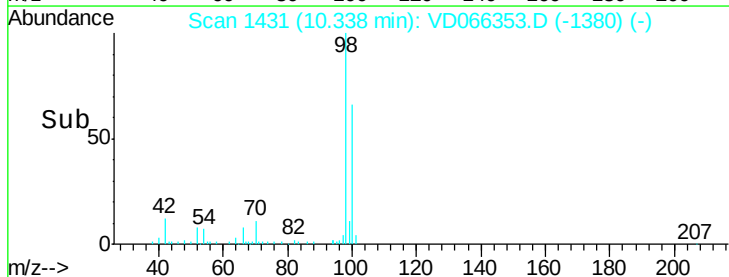
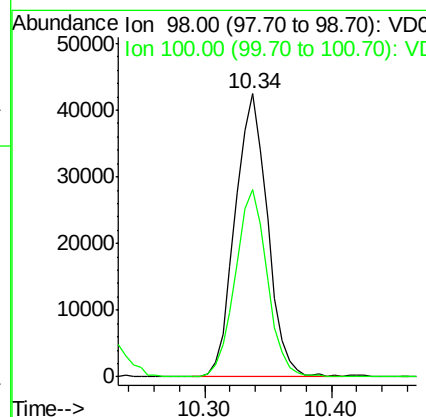
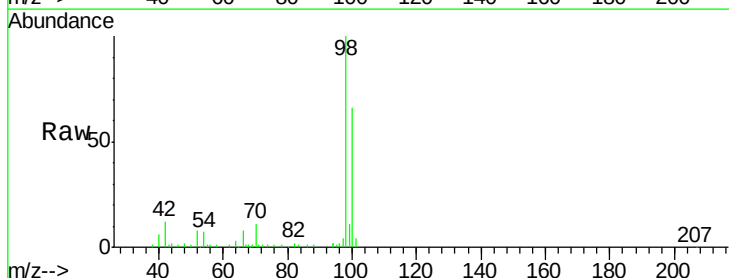
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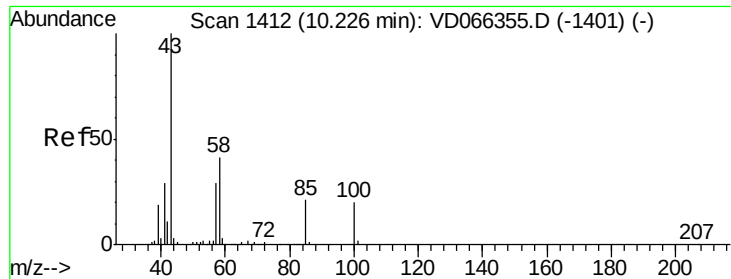
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#50
Toluene-d8
Concen: 9.275 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4





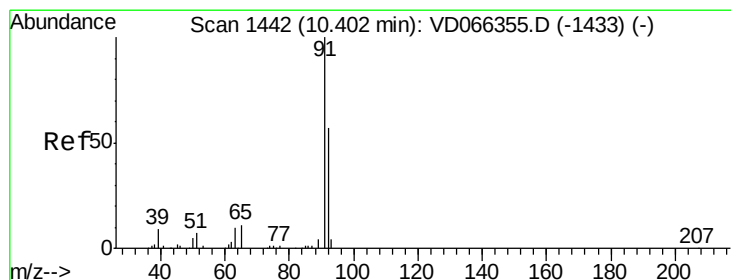
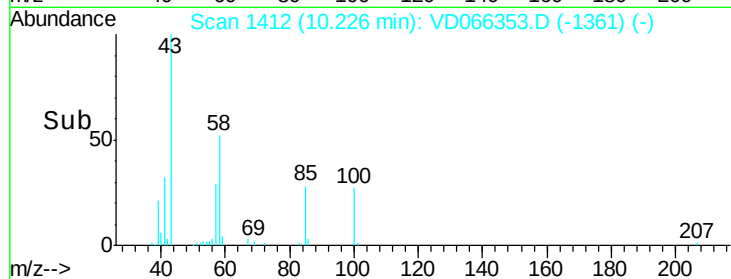
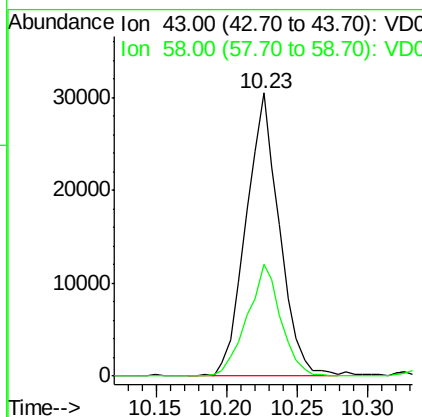
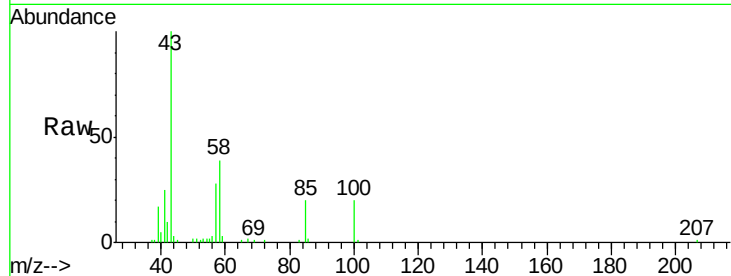
#51
4-Methyl-2-Pentanone
Concen: 39.489 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	50567
Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.4	47.2

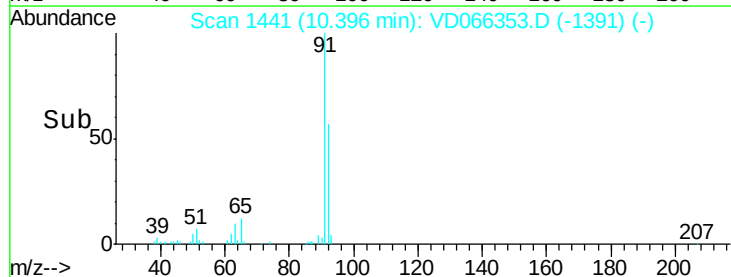
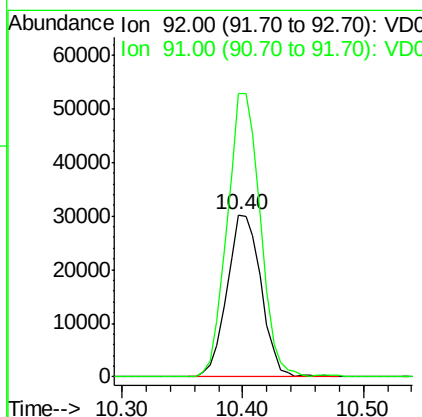
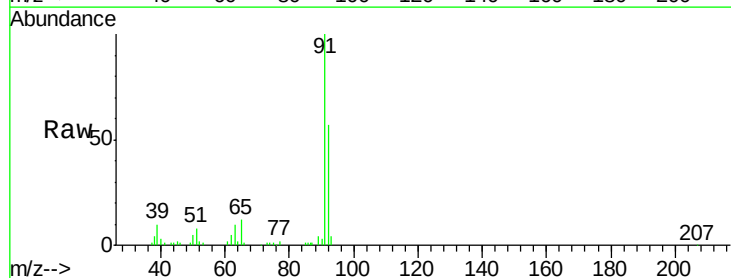
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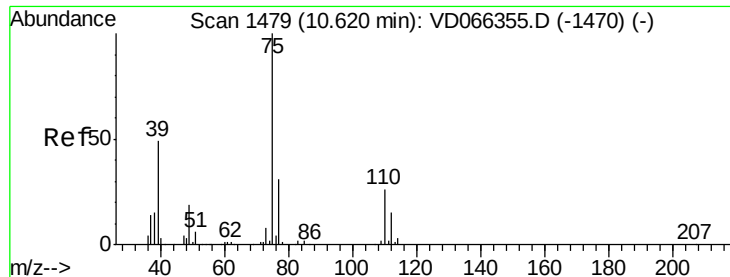
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#52
Toluene
Concen: 9.896 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	92	Resp	59057
Ion	Ratio	Lower	Upper
92	100		
91	170.4	135.8	203.6





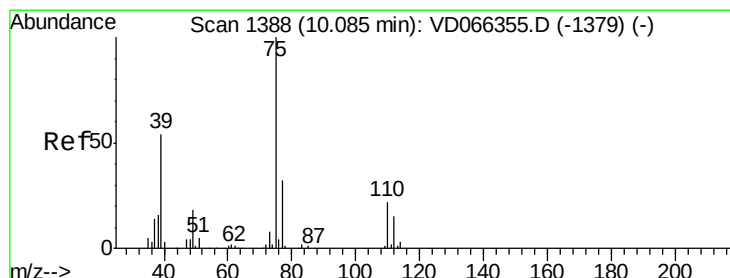
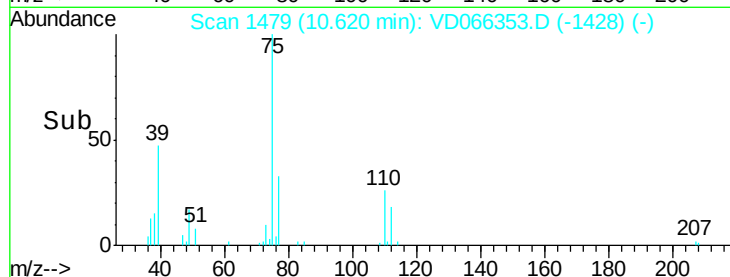
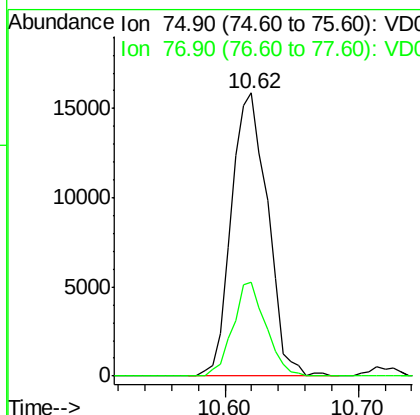
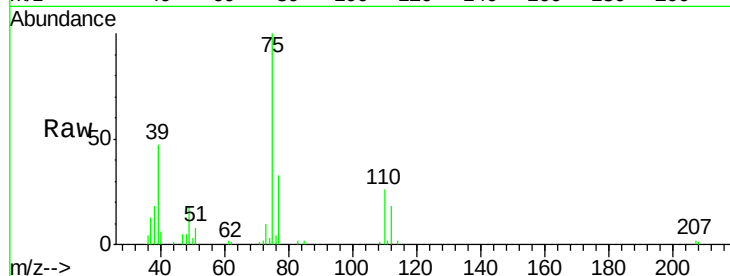
#53
t-1,3-Dichloropropene
Concen: 9.671 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.5	36.7

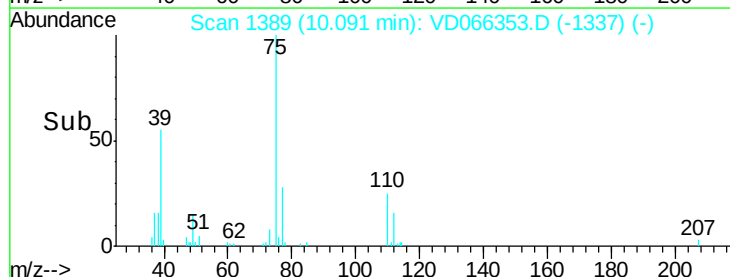
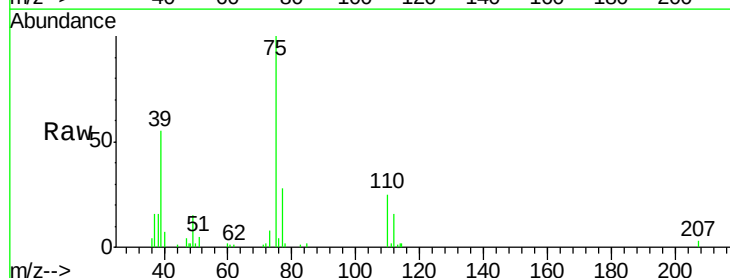
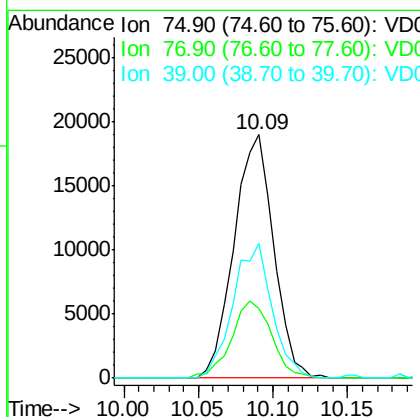
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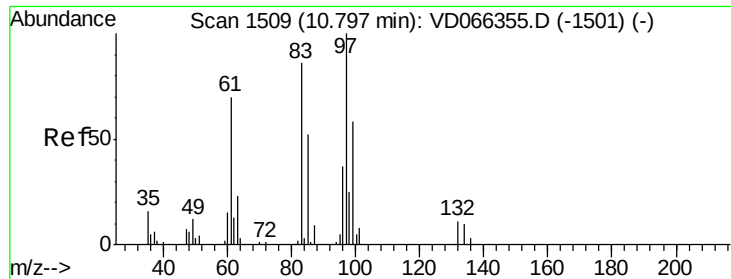
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#54
cis-1,3-Dichloropropene
Concen: 9.743 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.4	25.6	38.4
39	55.4	43.4	65.0





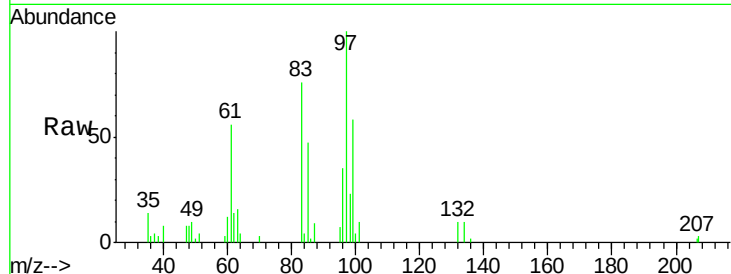
#55
 1,1,2-Trichloroethane
 Concen: 9.226 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

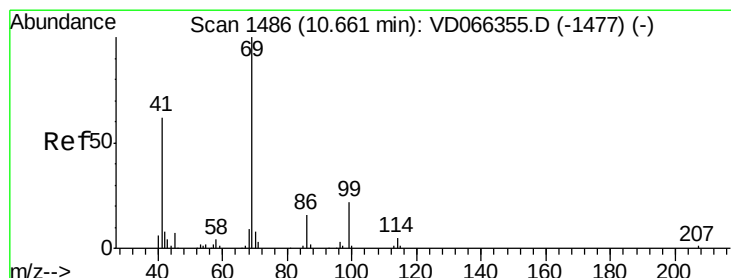
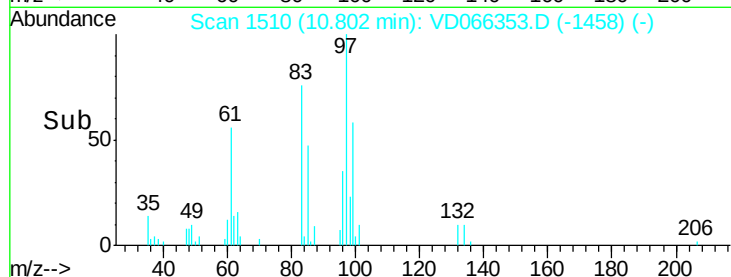
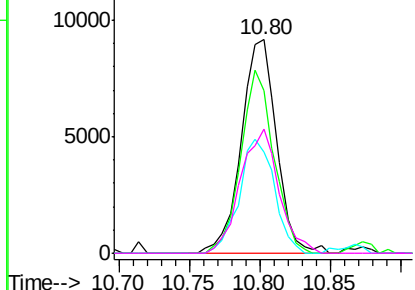
Tot Ion:	97	Resp:	16113
Ion	Ratio	Lower	Upper
97	100		
83	76.2	68.4	102.6
85	47.2	41.3	61.9
99	58.1	46.1	69.1

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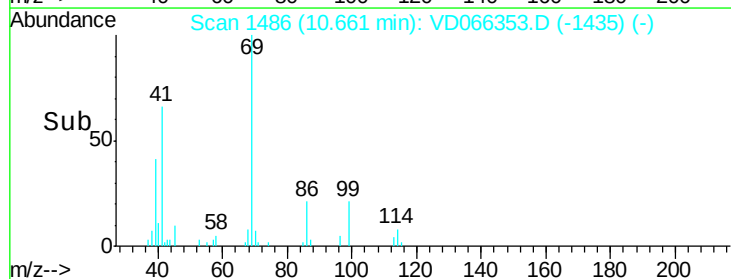
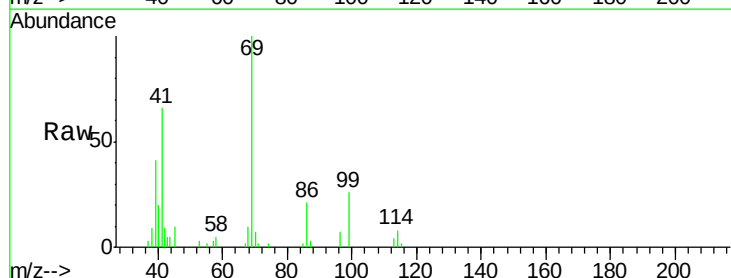
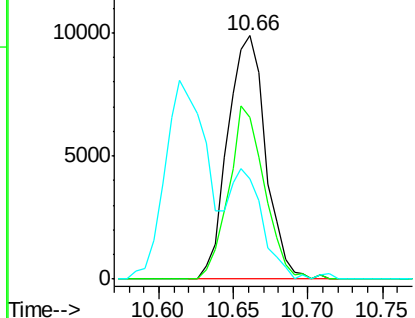
Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

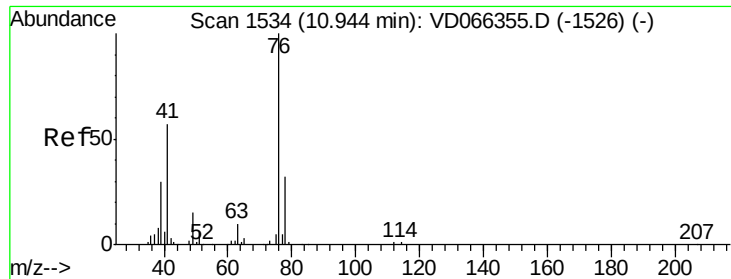


#56
 Ethyl methacrylate
 Concen: 8.412 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Tgt Ion:	69	Resp:	17550
Ion	Ratio	Lower	Upper
69	100		
41	67.0	50.8	76.2
39	37.2	32.9	49.3

Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





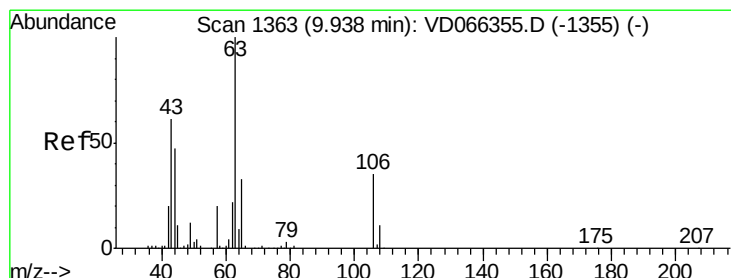
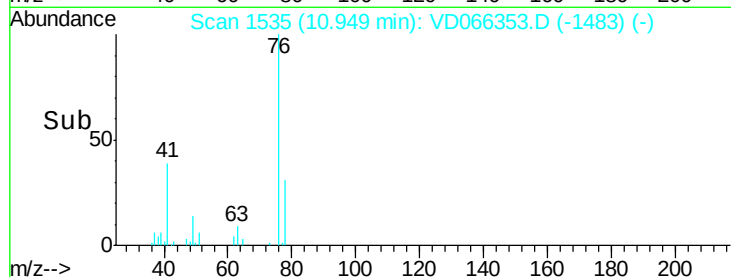
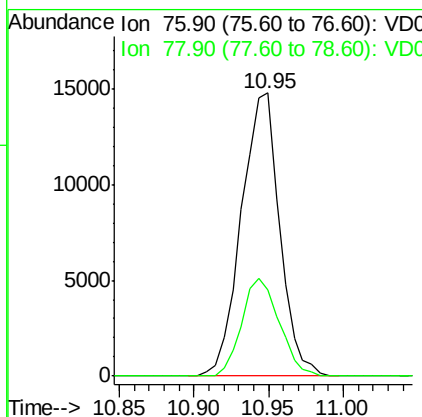
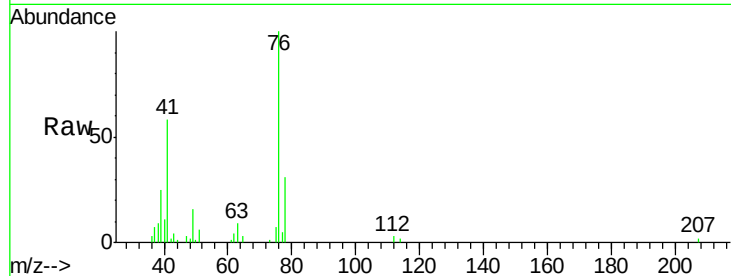
#57
 1,3-Dichloropropane
 Concen: 9.093 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 26304
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.6 38.4

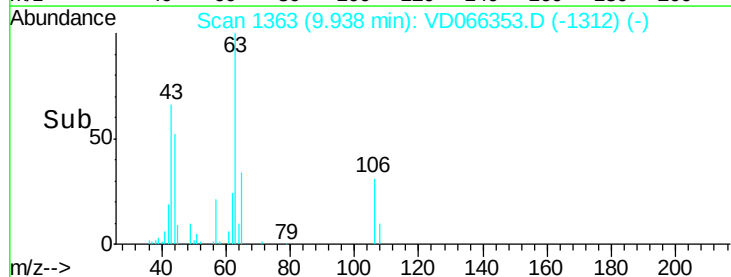
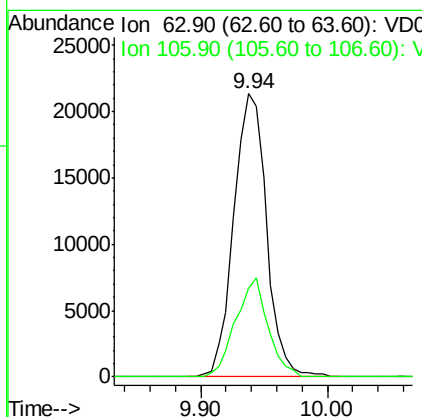
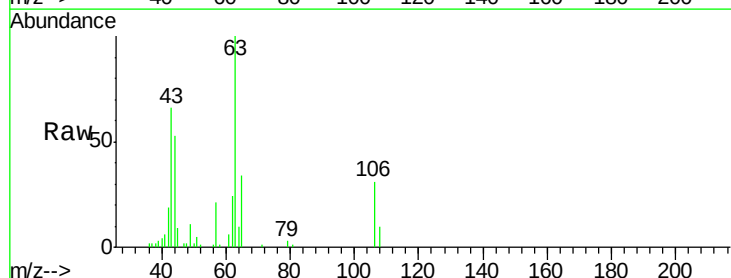
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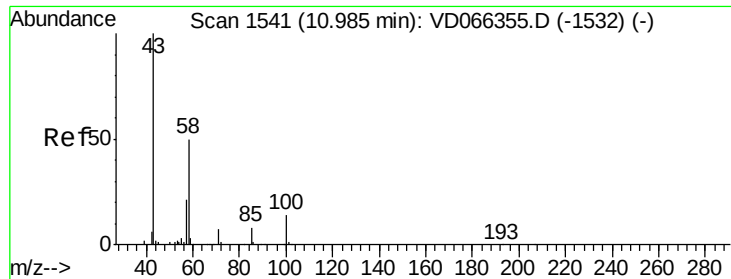
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#58
 2-Chloroethyl Vinyl ether
 Concen: 41.249 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Tgt Ion: 63 Resp: 38183
 Ion Ratio Lower Upper
 63 100
 106 34.5 27.1 40.7





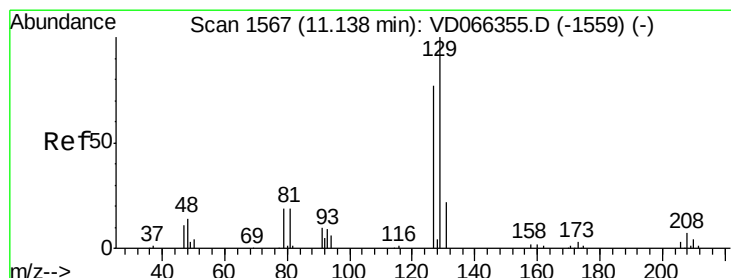
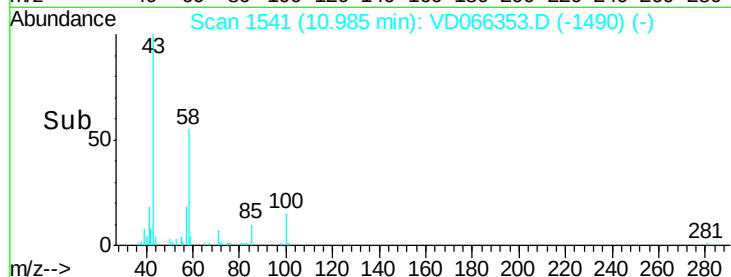
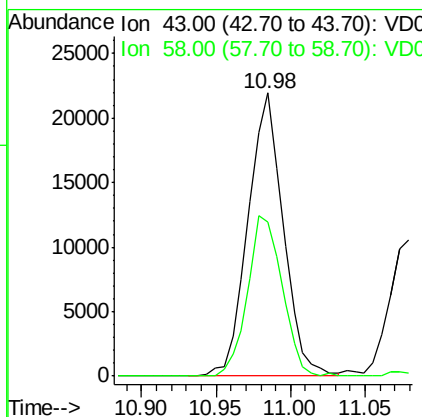
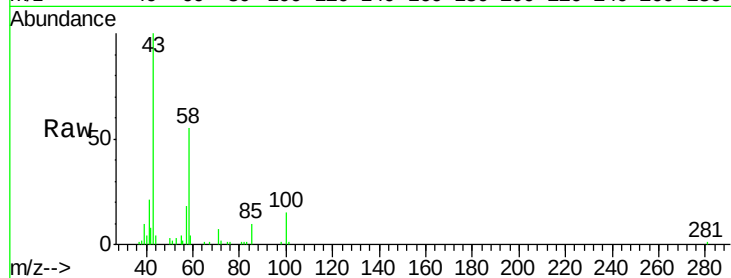
#59
2-Hexanone
Concen: 39.636 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 35785
Ion Ratio Lower Upper
43 100
58 55.4 26.3 78.8

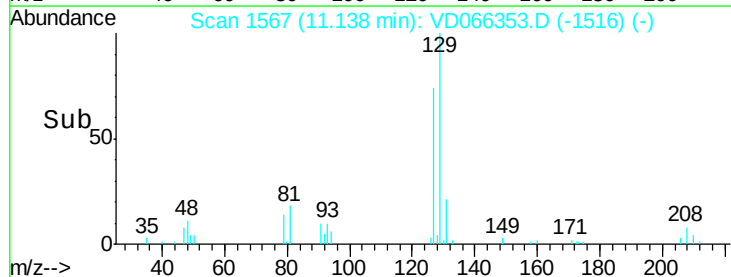
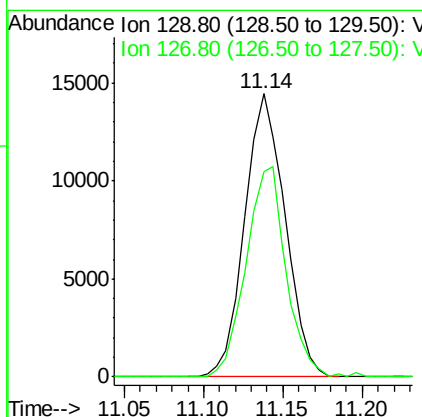
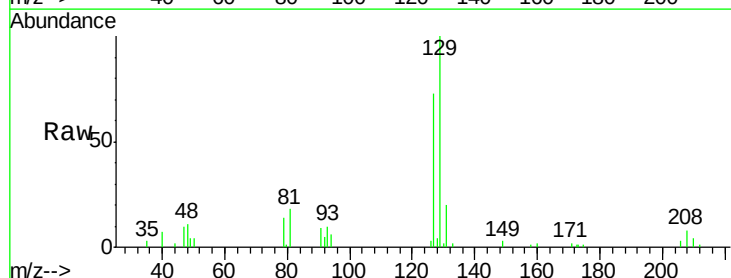
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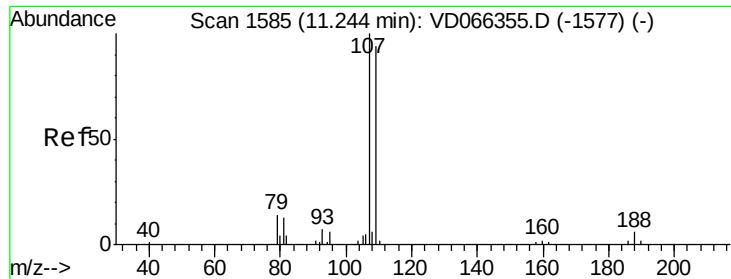
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#60
Dibromochloromethane
Concen: 10.513 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion: 129 Resp: 25586
Ion Ratio Lower Upper
129 100
127 73.7 39.0 117.0





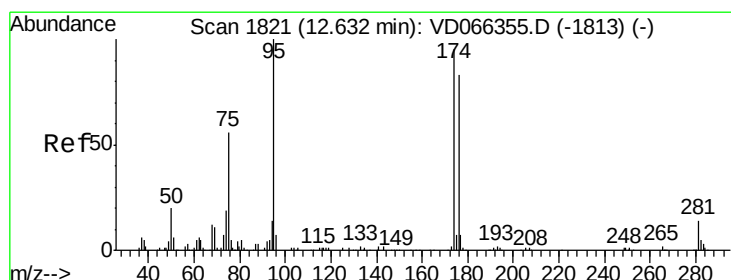
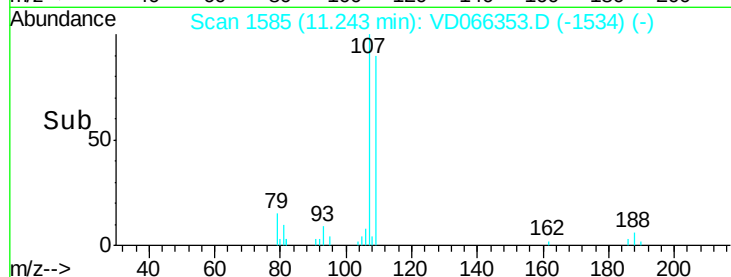
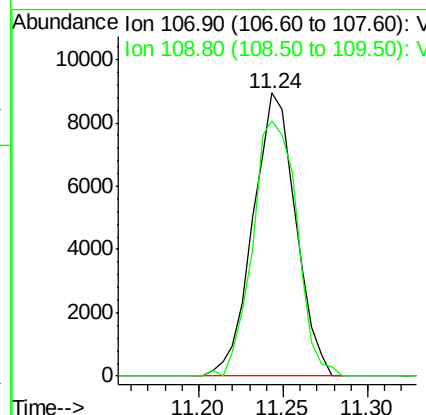
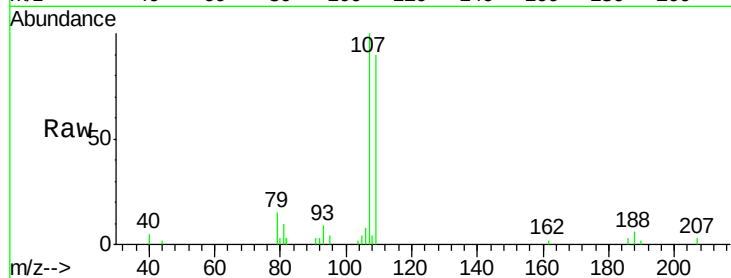
#61
 1,2-Dibromoethane
 Concen: 9.406 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	77.8	116.8

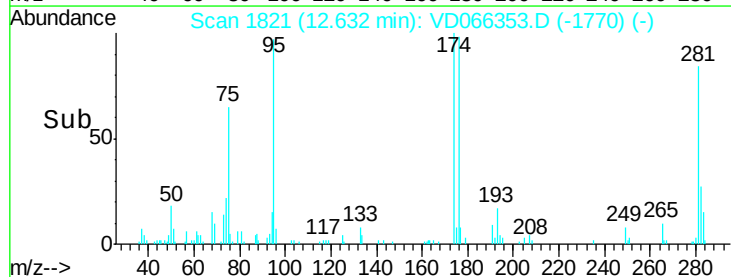
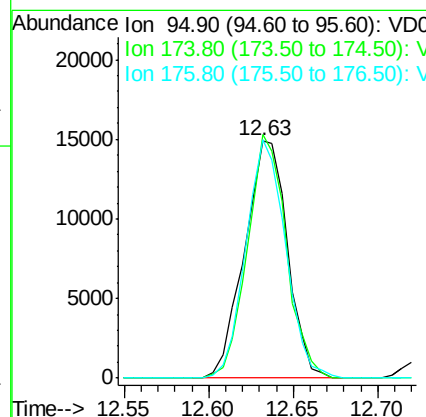
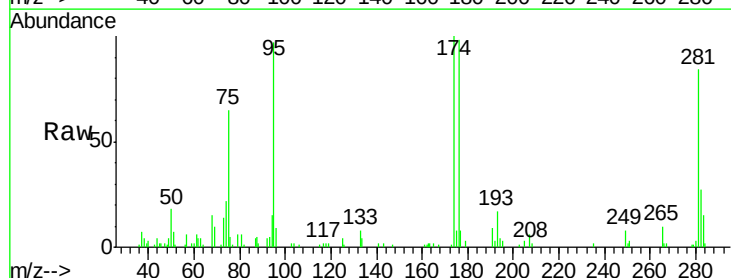
Manual Integrations
 APPROVED

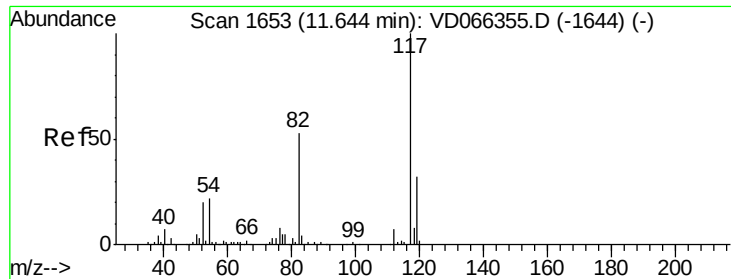
MMDadoda
 8/24/2020 4:36:31 PM



#62
 4-Bromofluorobenzene
 Concen: 9.036 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	183.4
176	93.1	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: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

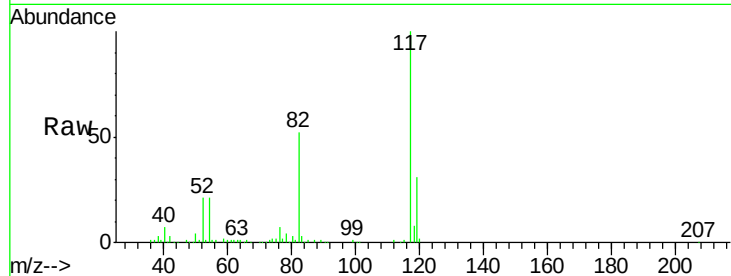
ClientSampleId :

VSTDIC010

Tot Ion:	117	Resp:	324236
Ion Ratio	Lower	Upper	
117	100		
82	51.8	42.8	64.2
119	31.4	25.8	38.8

Manual Integrations
APPROVED

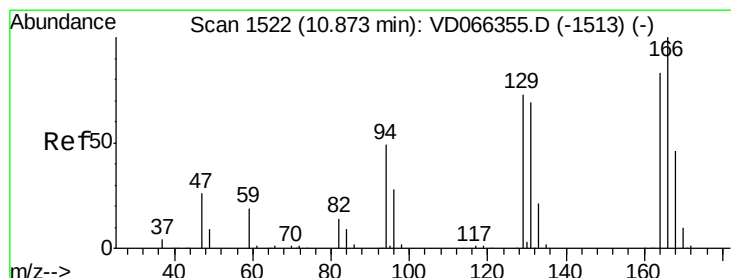
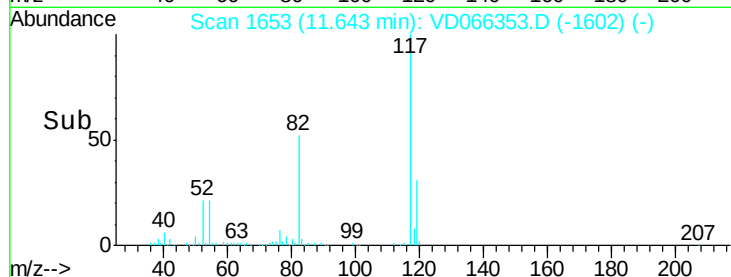
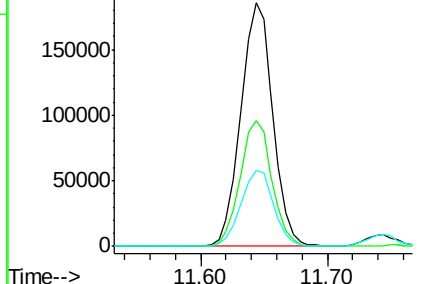
MMDadoda
8/24/2020 4:36:31 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 9.686 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

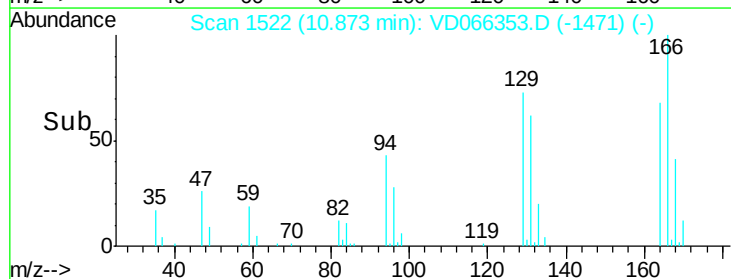
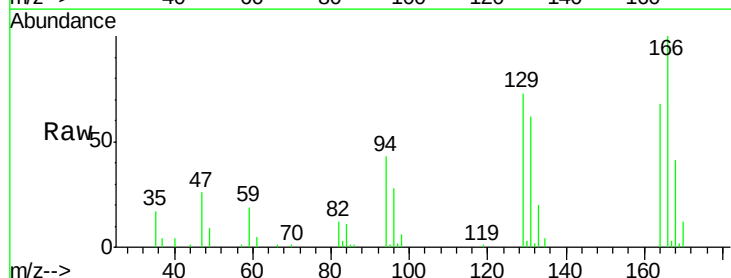
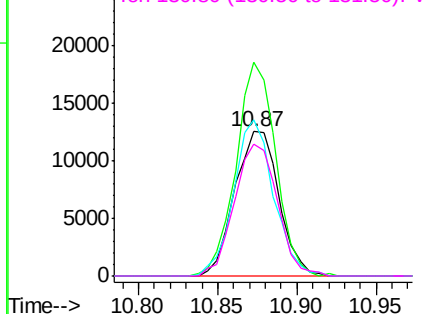
Tgt Ion:	164	Resp:	24273
Ion Ratio	Lower	Upper	
164	100		
166	147.8	96.2	144.4#
129	108.2	70.3	105.5#
131	91.0	66.4	99.6

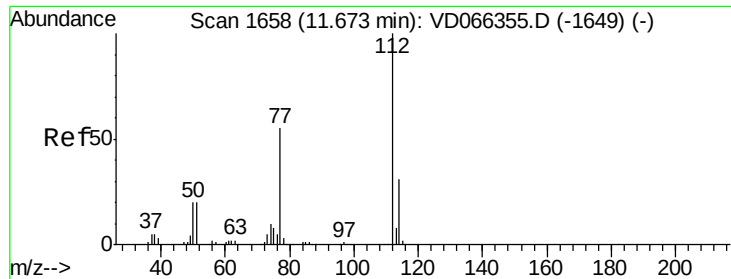
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 9.708 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 64297

Ion Ratio Lower Upper

112 100

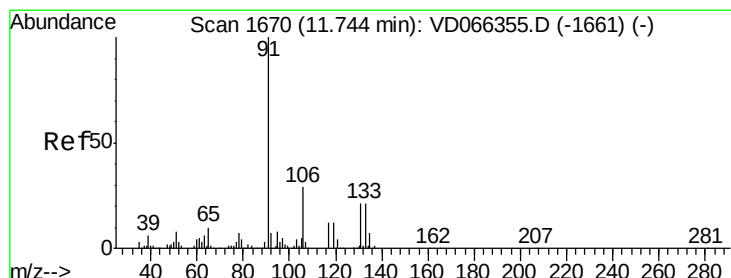
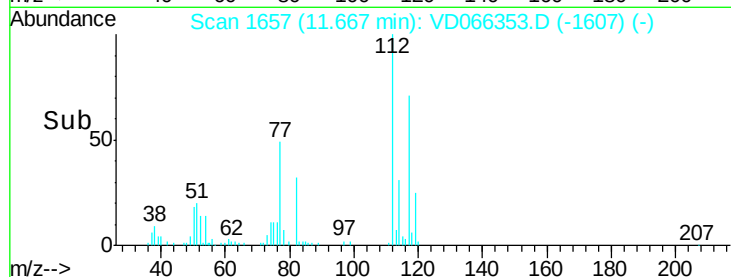
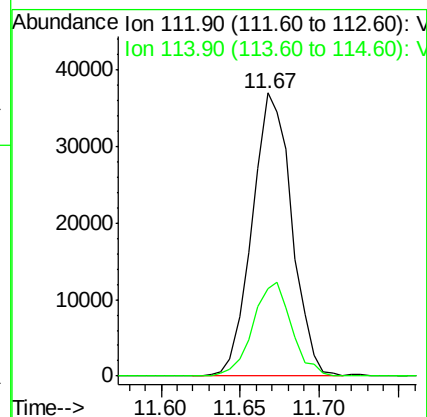
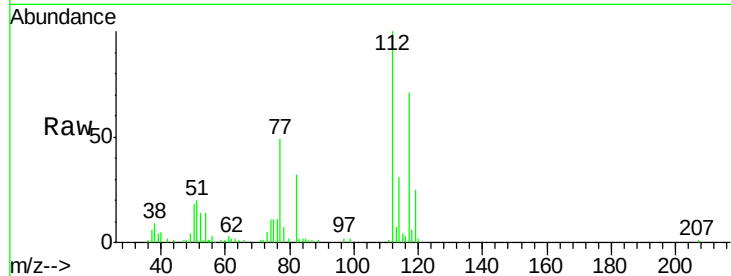
114 31.2 25.1 37.7

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 10.171 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

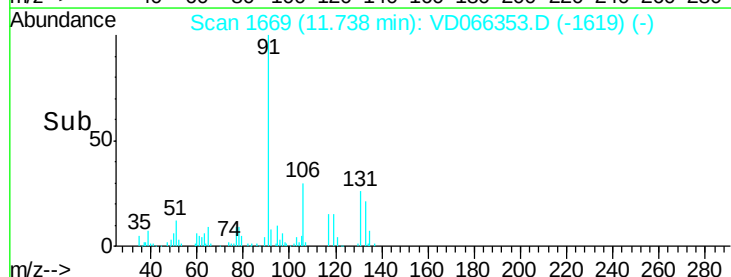
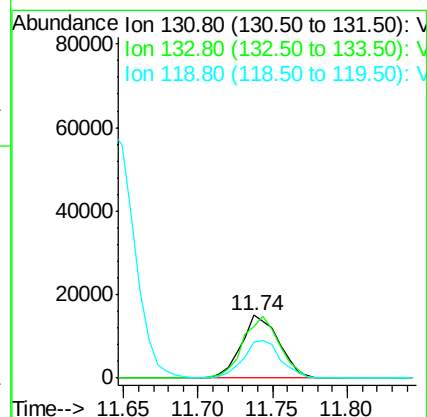
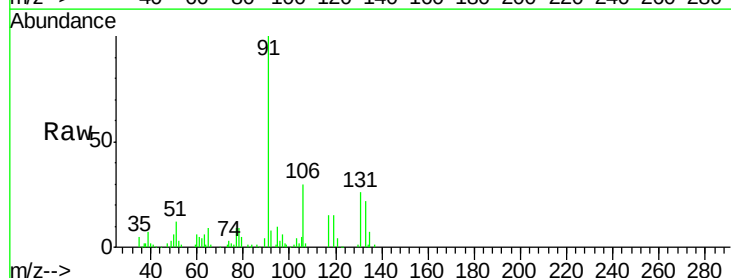
Tgt Ion:131 Resp: 26441

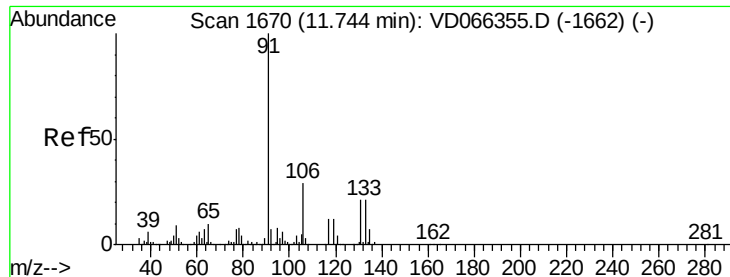
Ion Ratio Lower Upper

131 100

133 95.6 48.6 145.9

119 58.5 29.0 87.1





#67

Ethyl Benzene

Concen: 9.826 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 113212

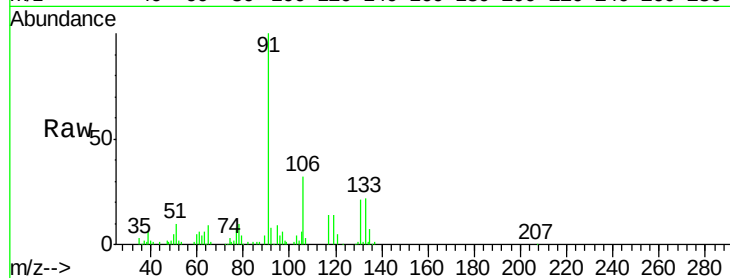
Ion Ratio Lower Upper

91 100

106 31.6 23.4 35.2

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD066353.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD066353.D (-1662) (-)

100000

80000

60000

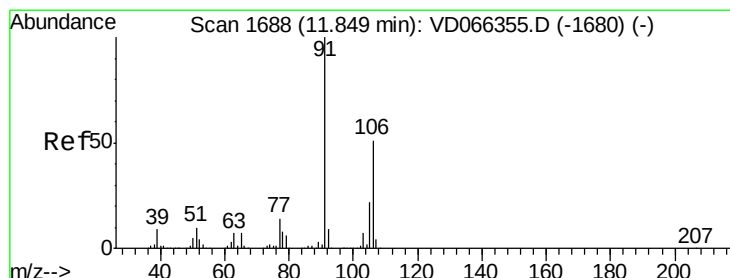
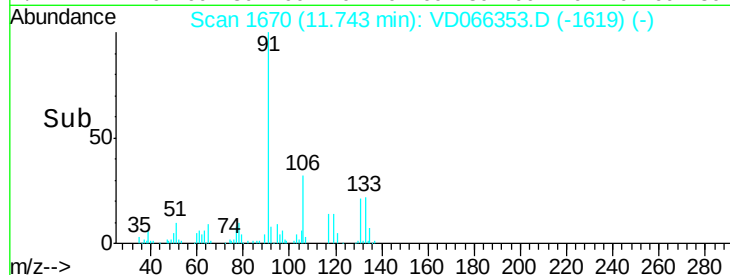
40000

20000

0

11.74

Time--> 11.65 11.70 11.75 11.80



#68

m/p-Xylenes

Concen: 19.169 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066353.D

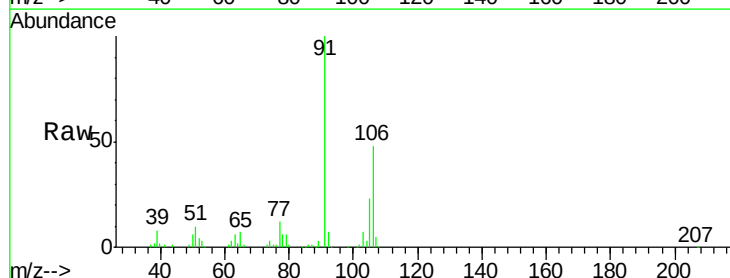
Acq: 21 Aug 2020 11:25

Tgt Ion: 106 Resp: 85152

Ion Ratio Lower Upper

106 100

91 212.0 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): VD066353.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD066353.D (-1680) (-)

100000

80000

60000

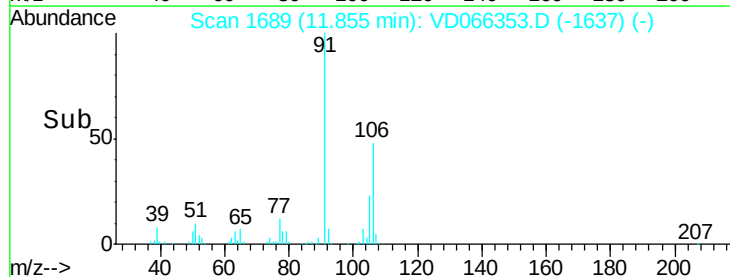
40000

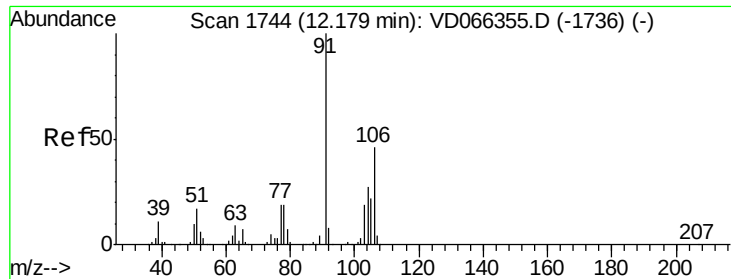
20000

0

11.86

Time--> 11.75 11.80 11.85 11.90





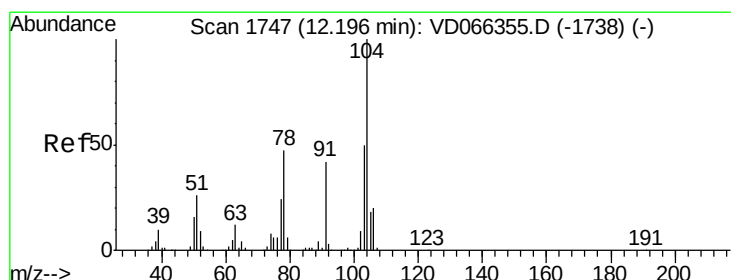
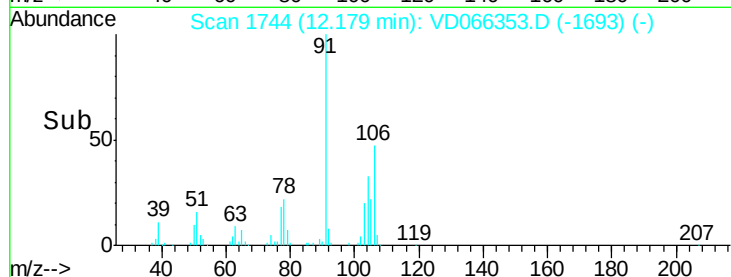
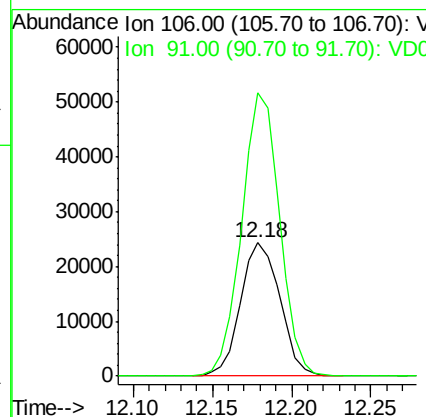
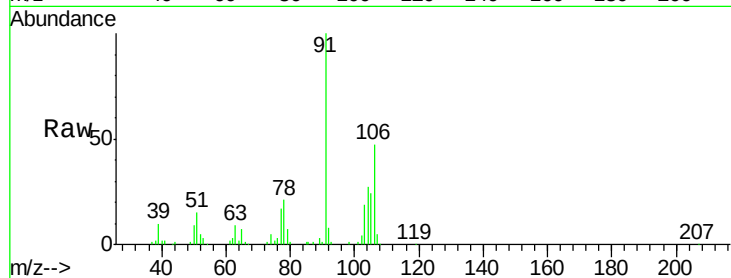
#69
o-Xylene
Concen: 10.446 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	203.9	109.1	327.3	

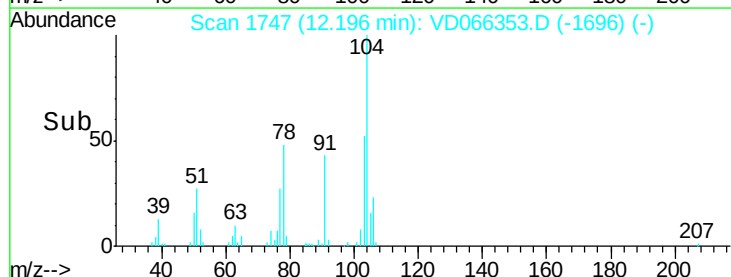
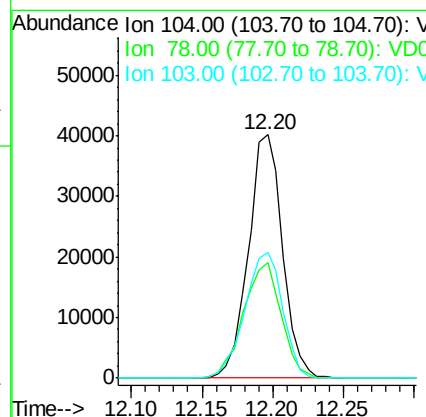
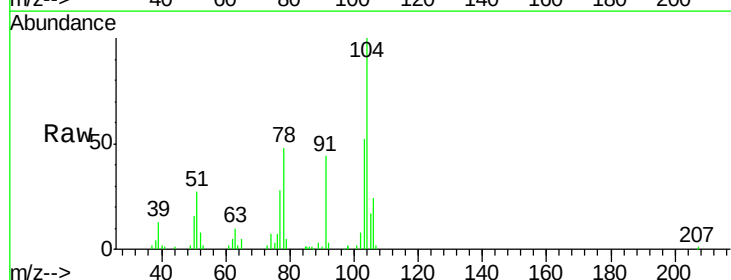
Manual Integrations
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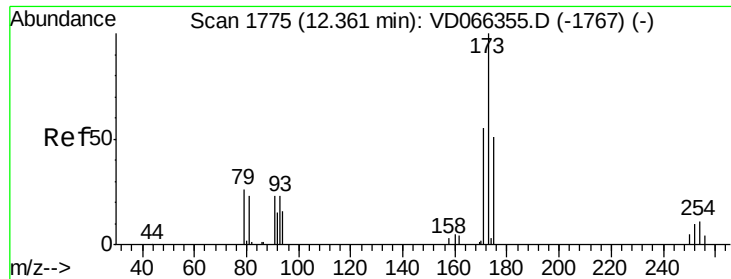
MMDadoda
8/24/2020 4:36:31 PM



#70
Styrene
Concen: 9.673 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.1	41.7	62.5	
103	57.1	43.5	65.3	





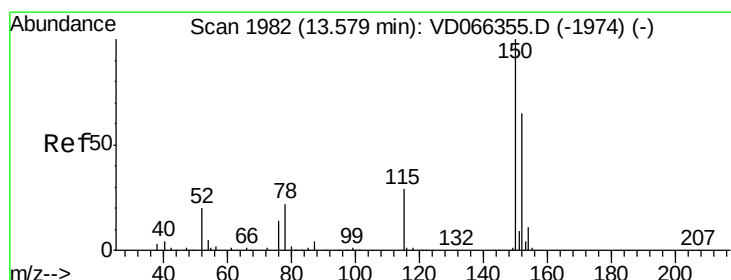
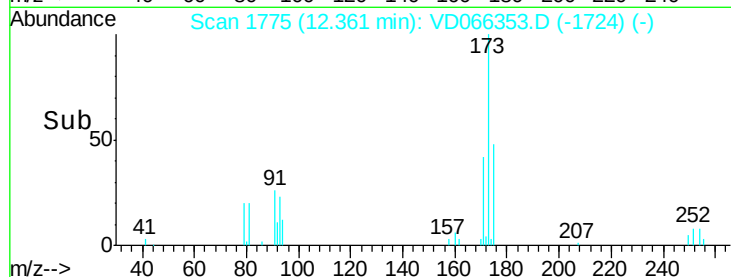
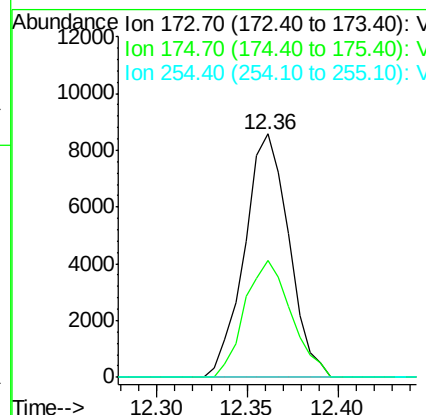
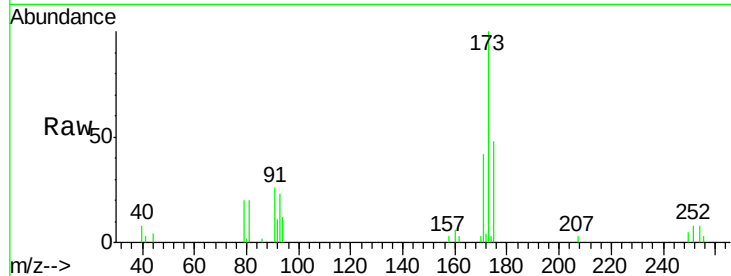
#71
Bromoform
Concen: 9.520 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.8	74.3
254	0.0	0.0	0.0

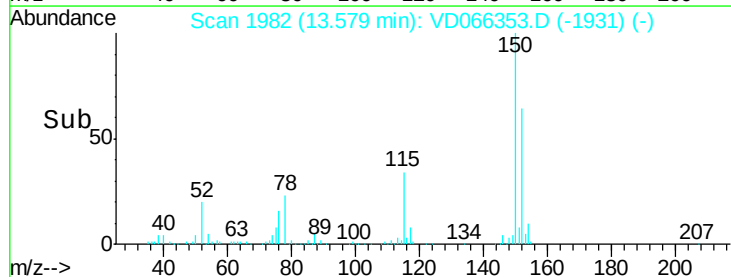
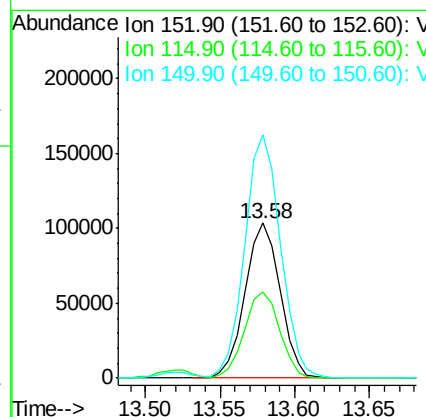
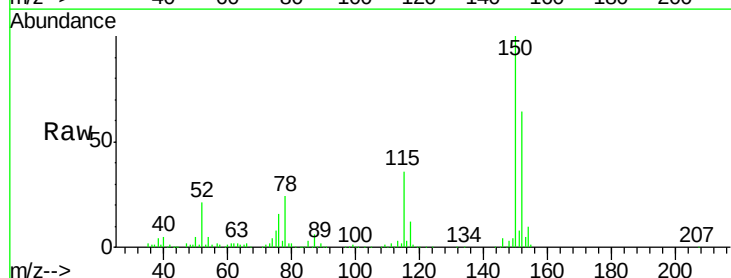
Manual Integrations
APPROVED

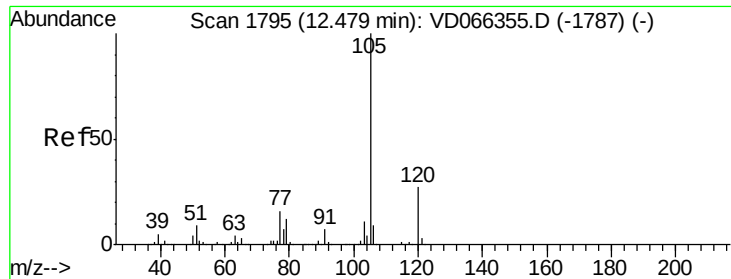
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.3	85.0
150	160.1	0.0	343.2





#73

Isopropylbenzene

Concen: 9.855 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 111363

Ion Ratio Lower Upper

105 100

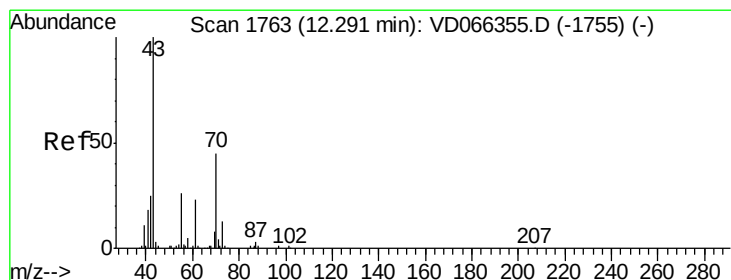
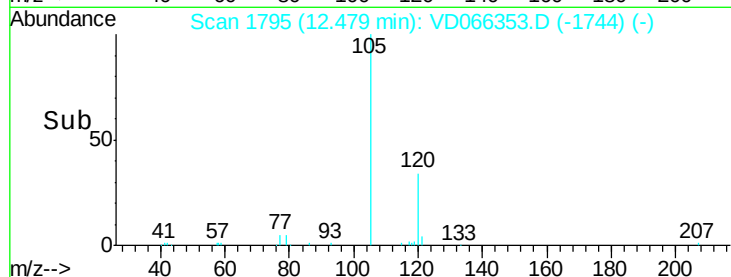
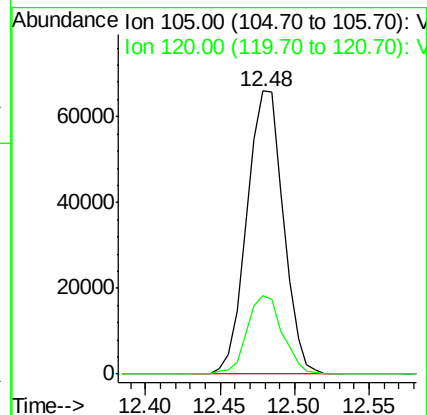
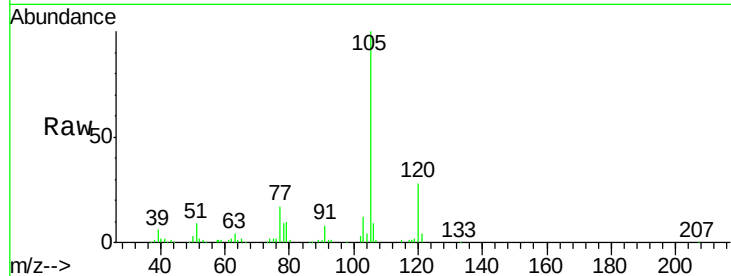
120 26.8 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 7.873 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Tgt Ion: 43 Resp: 19008

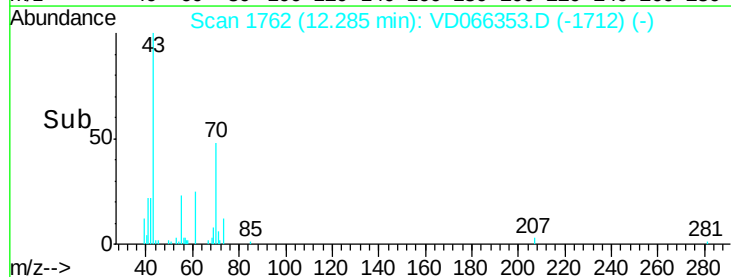
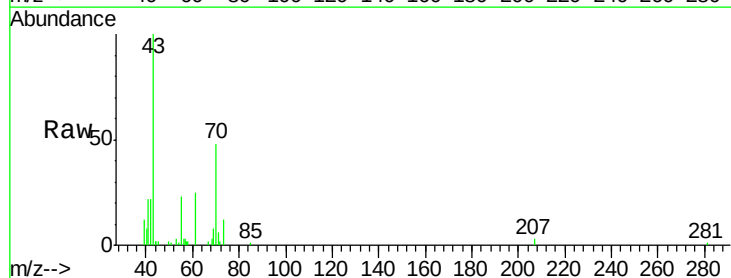
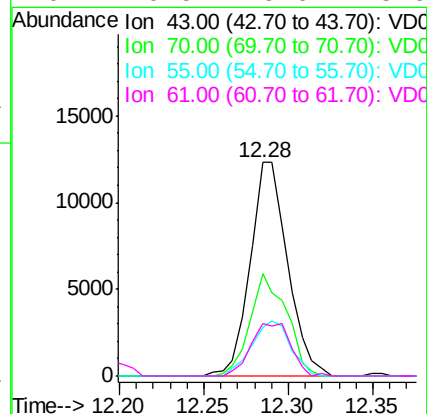
Ion Ratio Lower Upper

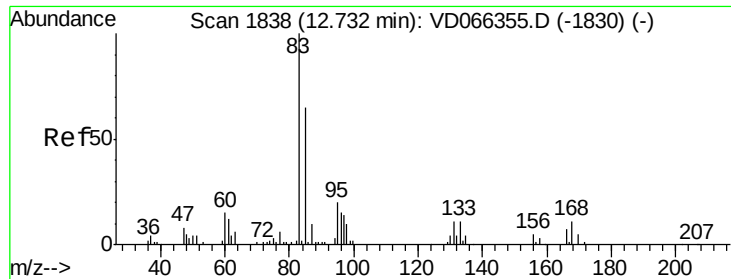
43 100

70 46.8 34.8 52.2

55 26.7 20.3 30.5

61 26.5 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 8.294 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 15630

Ion Ratio Lower Upper

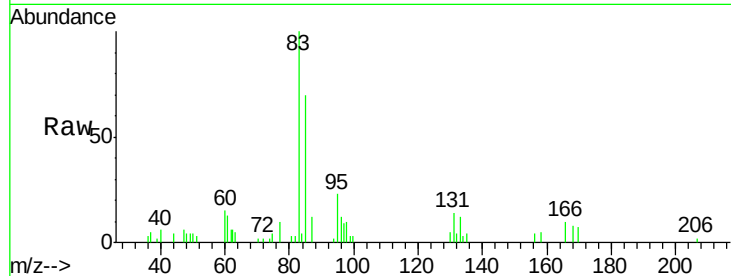
83 100

131 14.5 7.0 20.9

85 69.3 32.4 97.0

Manual Integrations
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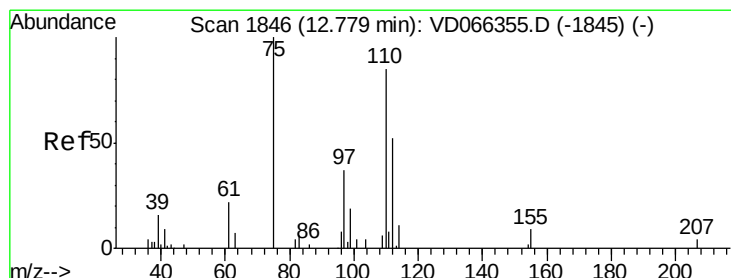
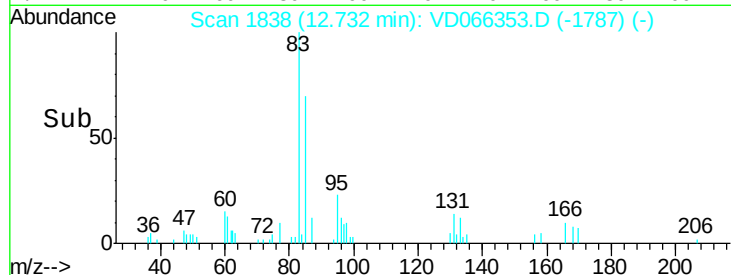
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.73

Time-->



#76

1,2,3-Trichloropropane

Concen: 8.295 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066353.D

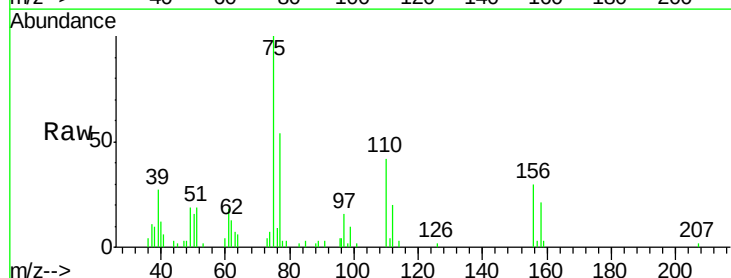
Acq: 21 Aug 2020 11:25

Tgt Ion: 75 Resp: 11527

Ion Ratio Lower Upper

75 100

77 0.0 182.9 548.9#

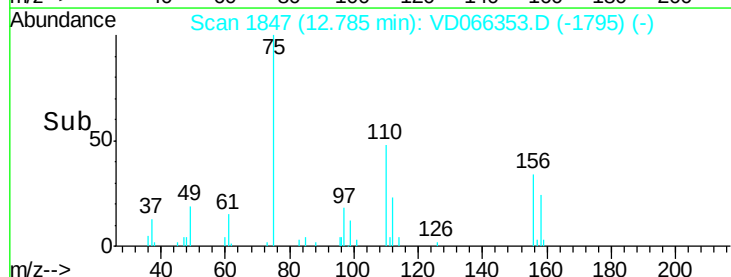


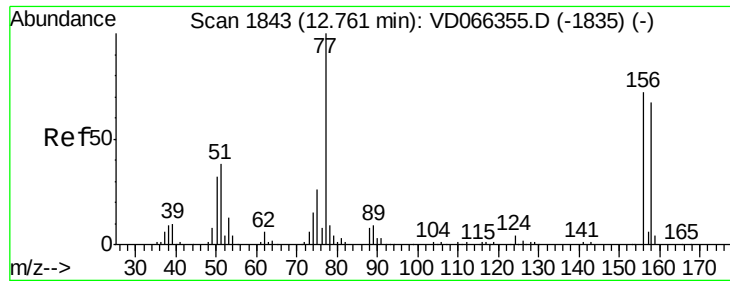
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.78

Time-->





#77

Bromobenzene

Concen: 9.370 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

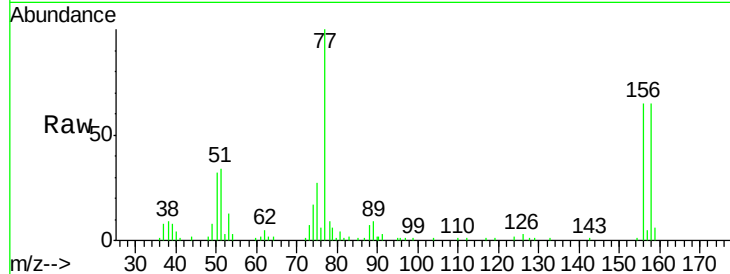
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	161.8	76.1	228.3	
158	97.2	47.6	142.9	

Manual Integrations
APPROVED

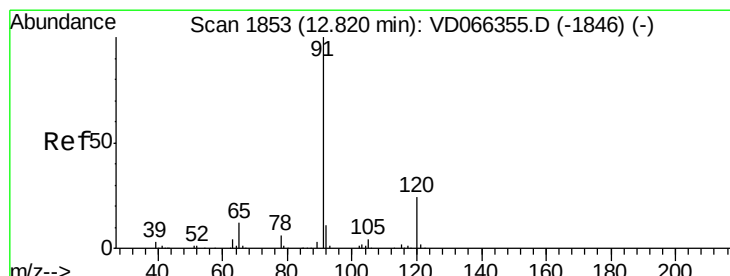
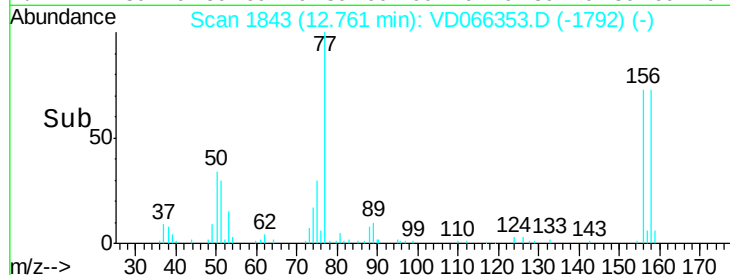
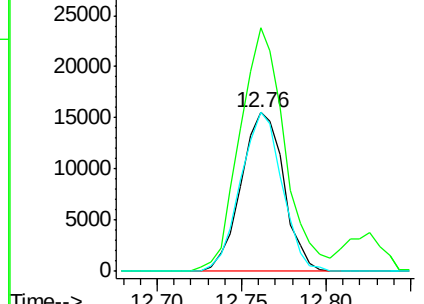
MMDadoda
8/24/2020 4:36:31 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.991 ug/l

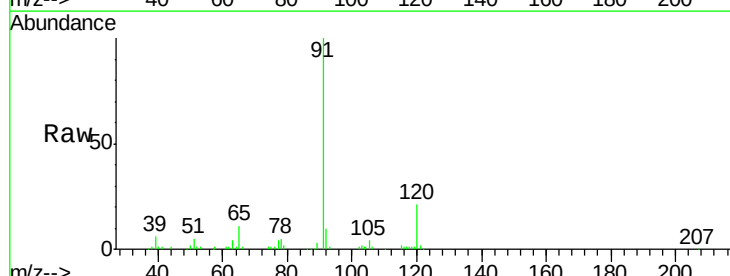
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066353.D

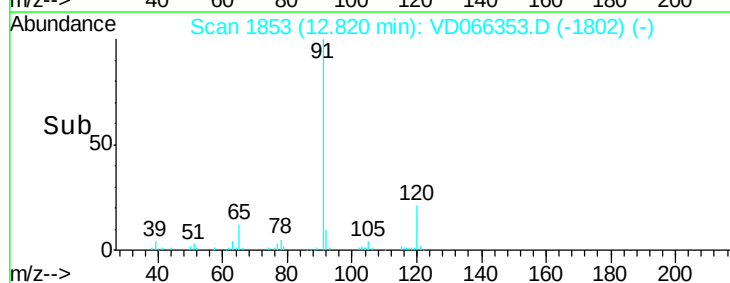
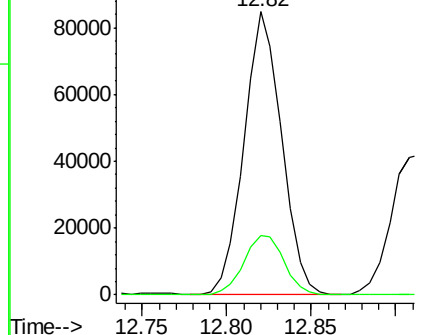
Acq: 21 Aug 2020 11:25

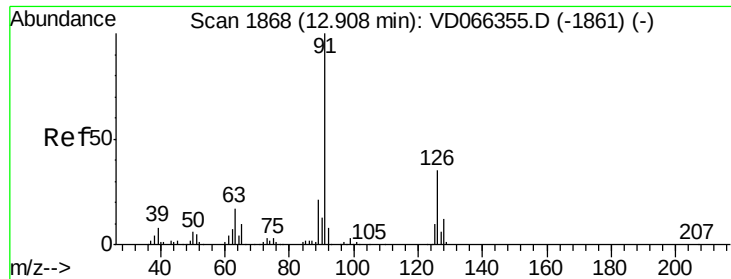
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.7	12.0	36.0	



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.799 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 73263

Ion Ratio Lower Upper

91 100

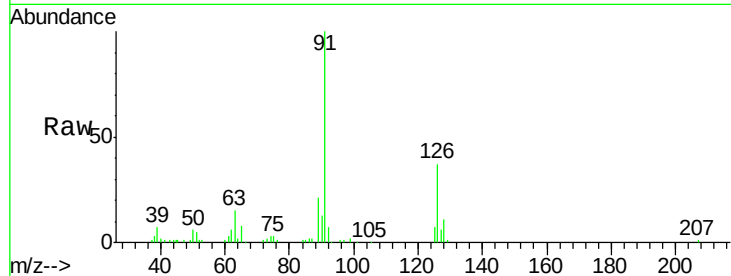
126 37.9 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VD066353.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066353.D (-1861) (-)

80000

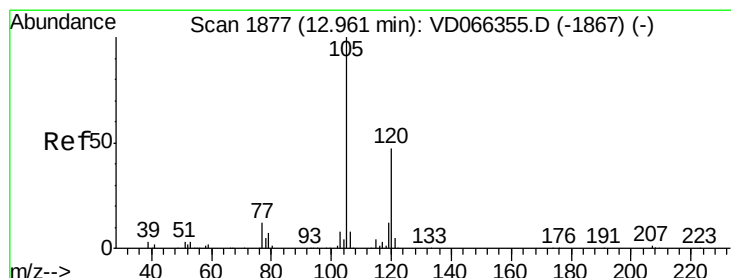
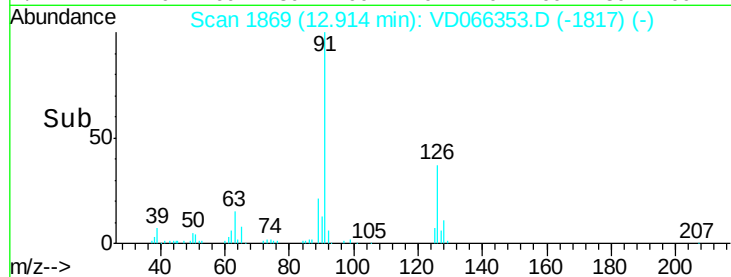
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 10.311 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066353.D

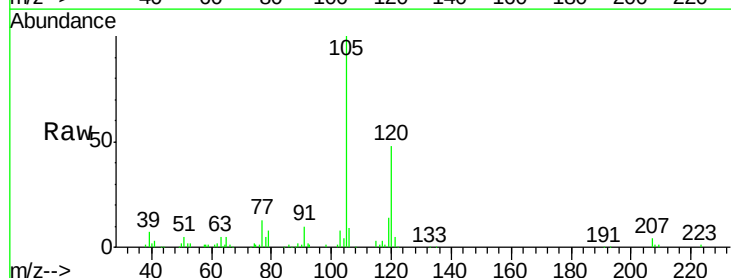
Acq: 21 Aug 2020 11:25

Tgt Ion:105 Resp: 98062

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VD066353.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066353.D (-1826) (-)

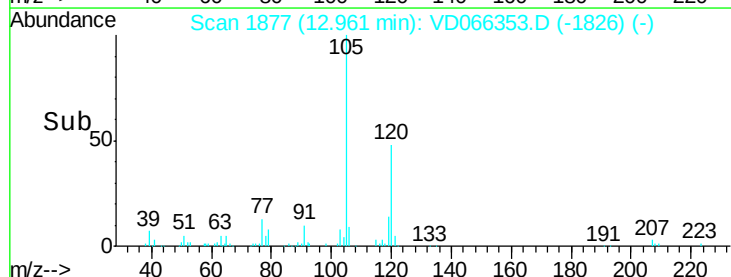
60000

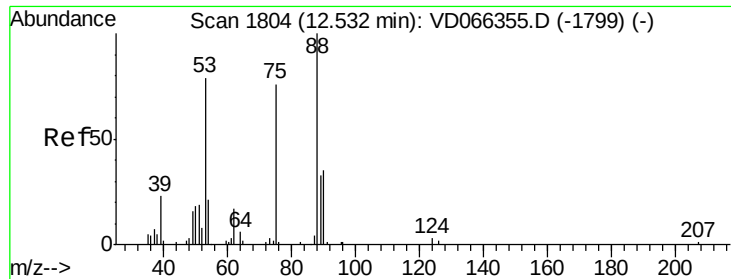
40000

20000

0

Time-->





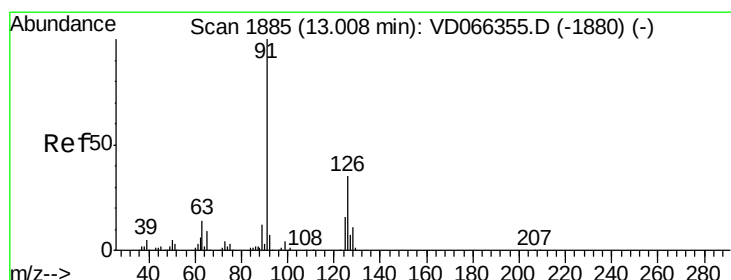
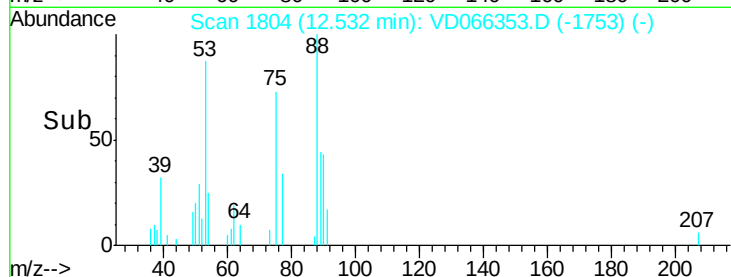
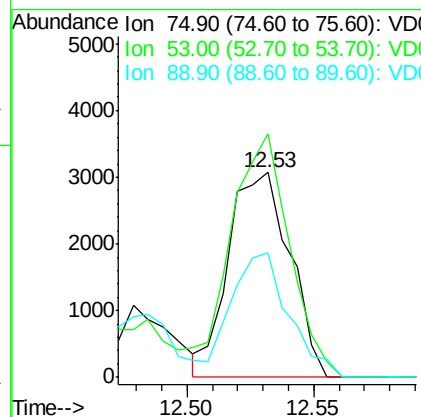
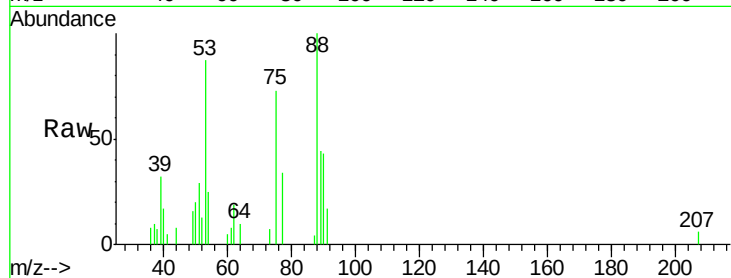
#81
trans-1,4-Dichloro-2-butene
Concen: 8.238 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.9	87.4	131.2
89	56.5	39.4	59.0

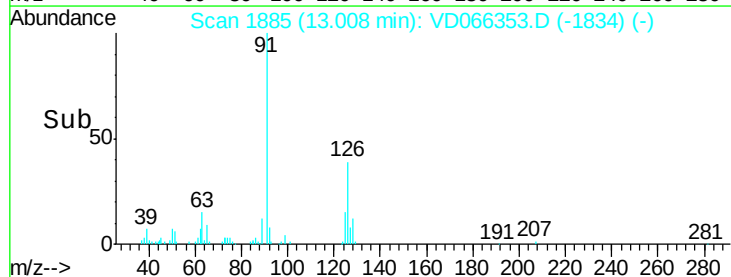
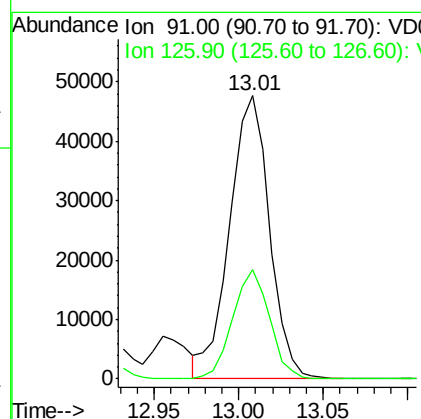
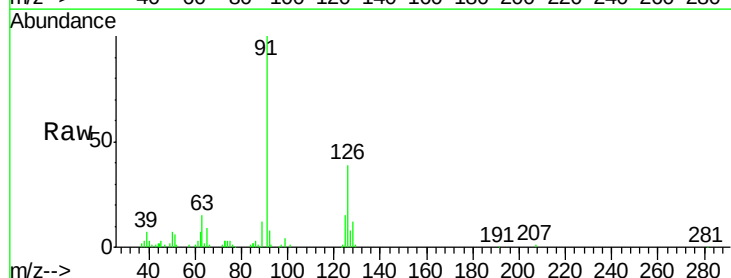
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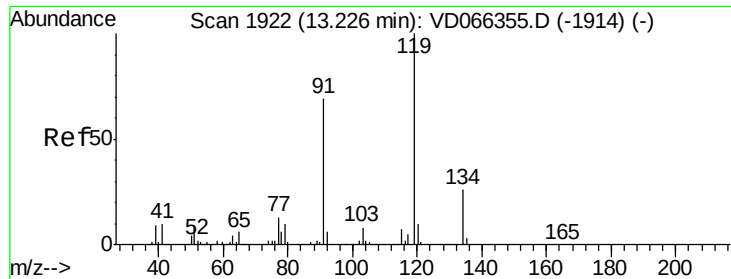
MMDadoda
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#82
4-Chlorotoluene
Concen: 9.892 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.4	52.2





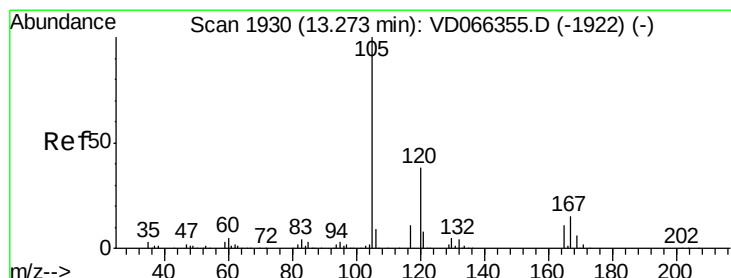
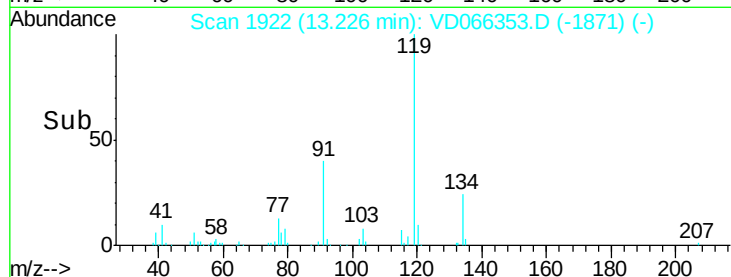
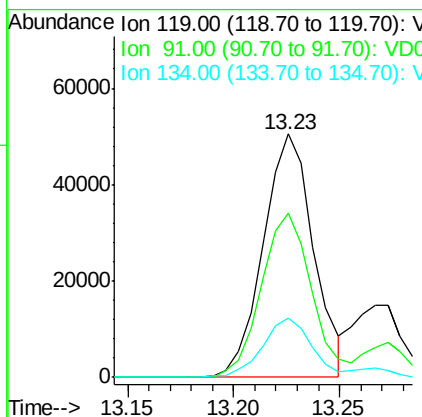
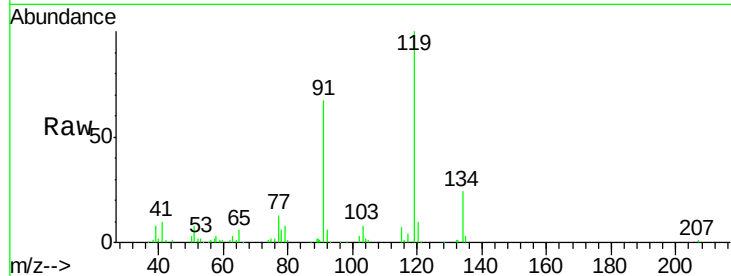
#83
 tert-Butylbenzene
 Concen: 10.056 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.5	100.5
134	24.2	13.5	40.4

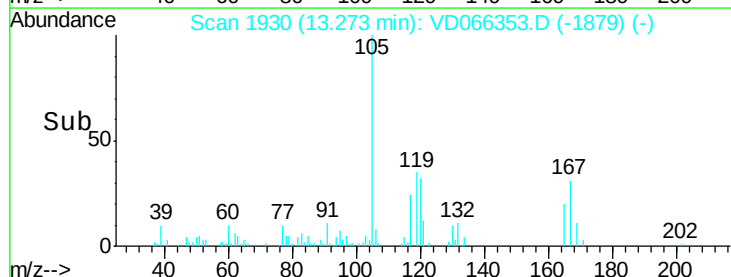
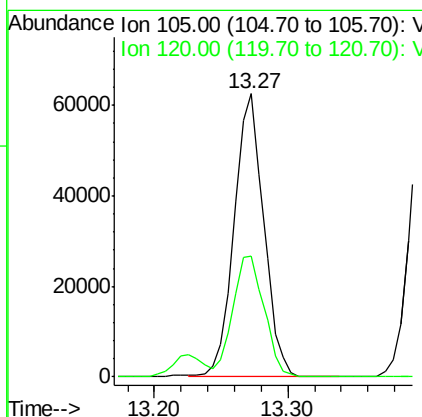
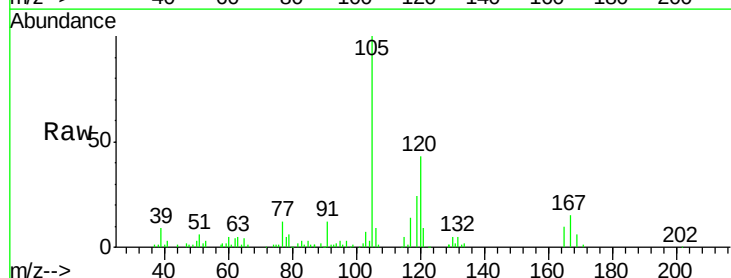
Manual Integrations
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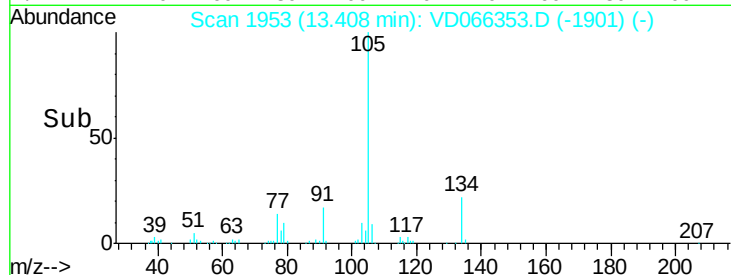
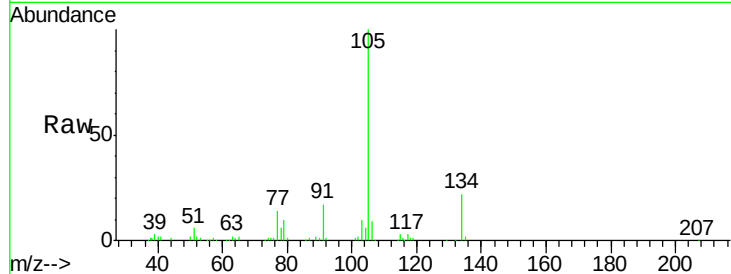
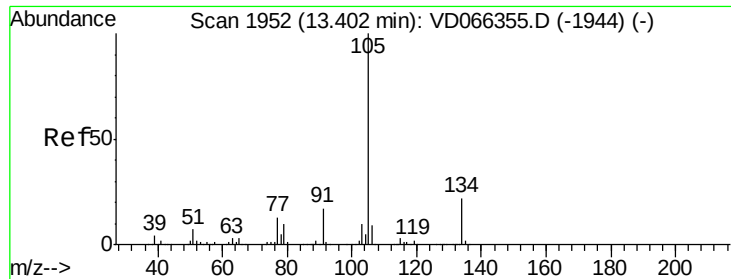
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.209 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.7





#85

sec-Butylbenzene

Concen: 10.021 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Tot Ion:105 Resp: 112281

Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.4

Instrument :

MSVOA_D

ClientSampleId :

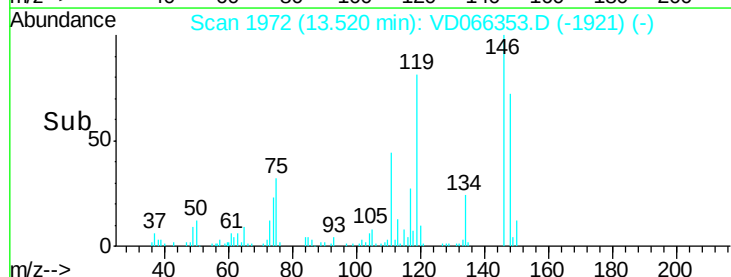
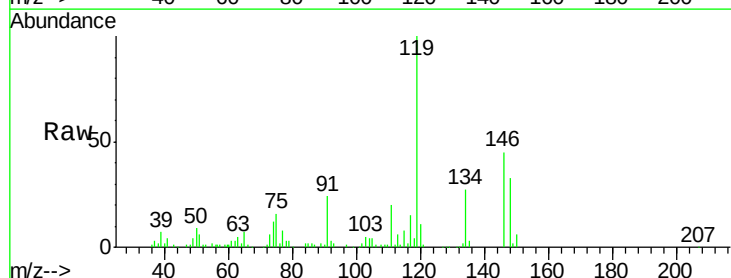
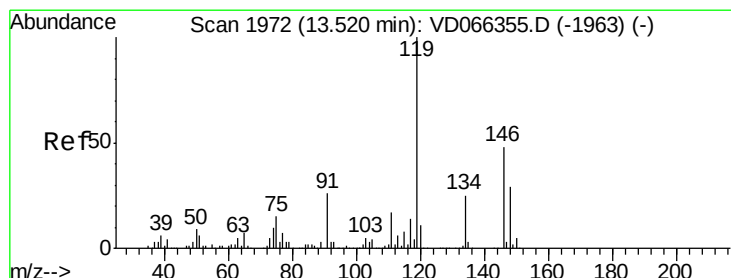
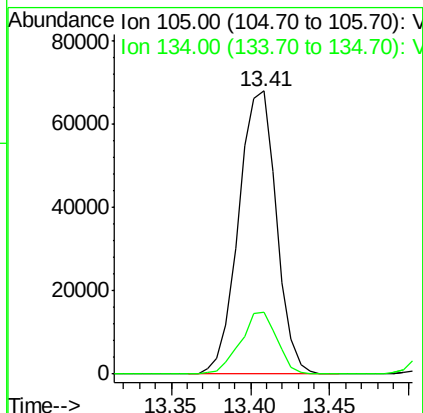
VSTDIC010

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#86

p-Isopropyltoluene

Concen: 10.070 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

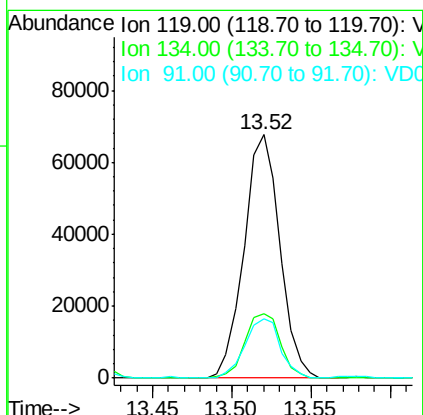
Tgt Ion:119 Resp: 106380

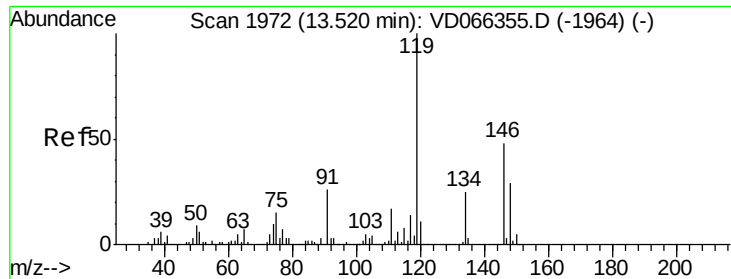
Ion Ratio Lower Upper

119 100

134 26.4 12.8 38.3

91 24.1 12.7 38.0





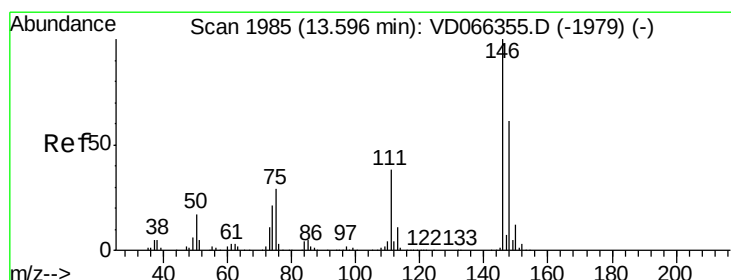
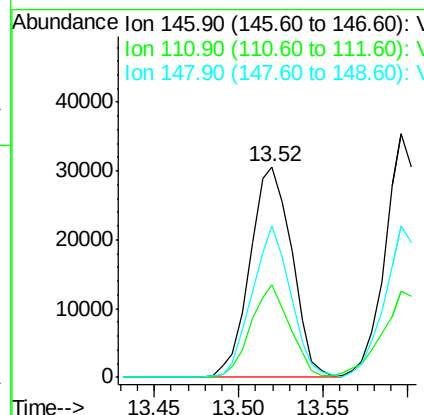
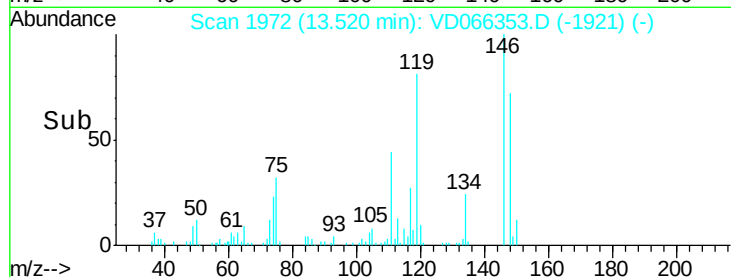
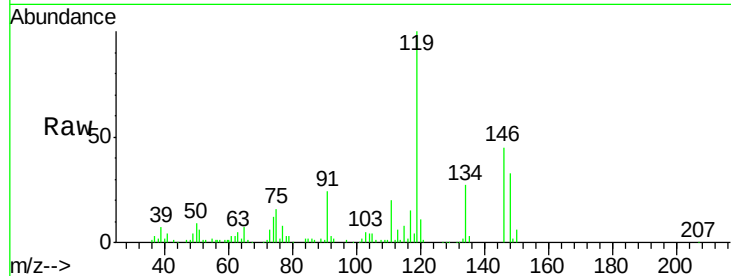
#87
 1,3-Dichlorobenzene
 Concen: 9.698 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	18.9	56.9
148	66.5	31.8	95.3

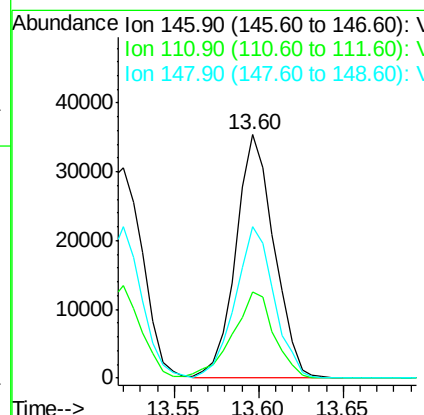
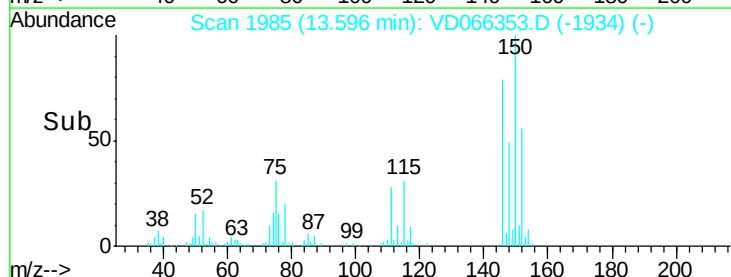
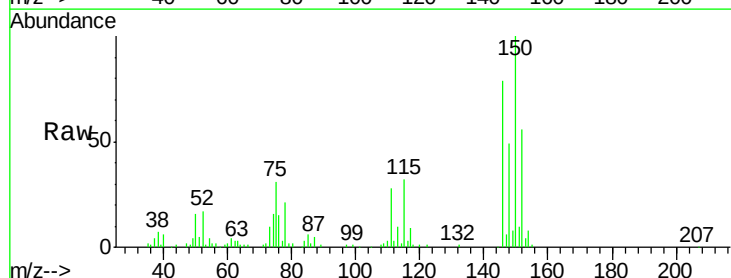
Manual Integrations
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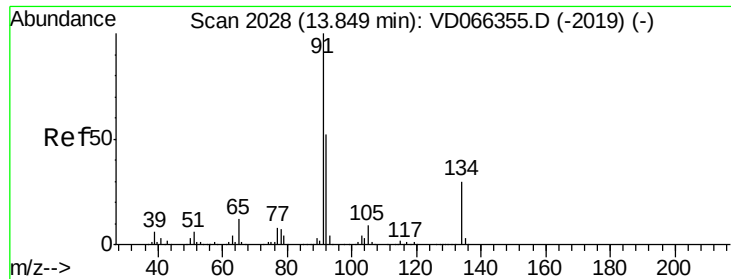
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#88
 1,4-Dichlorobenzene
 Concen: 10.279 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	63.1	32.1	96.3





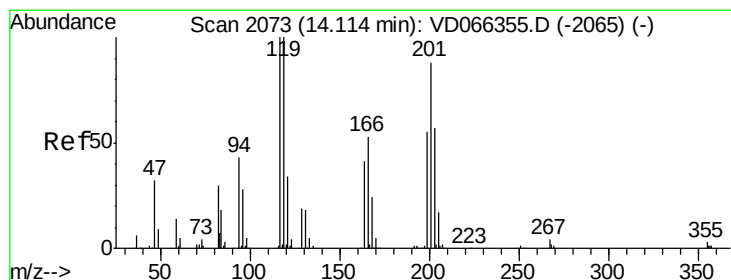
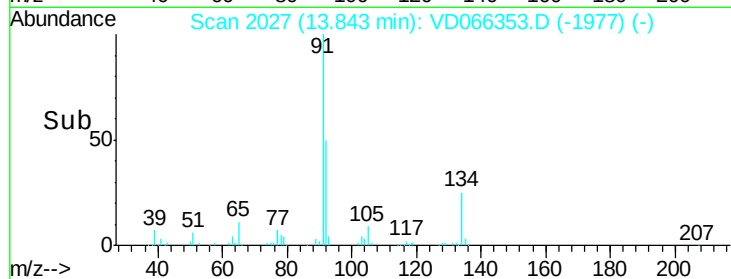
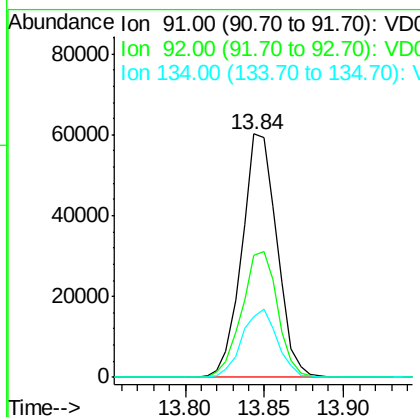
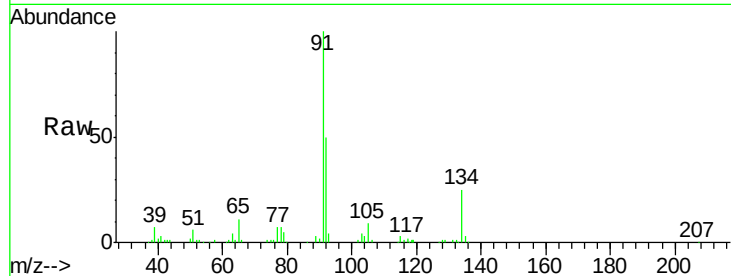
#89
n-Butylbenzene
Concen: 9.802 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	26.4	79.0	
134	28.2	14.4	43.4	

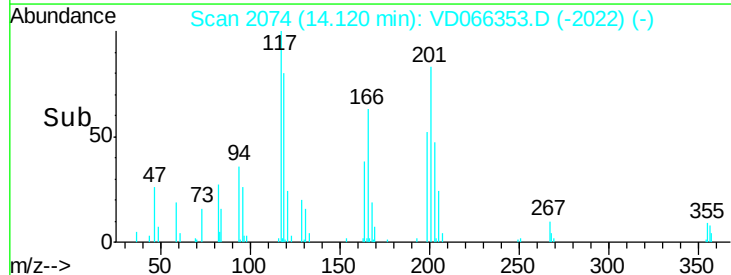
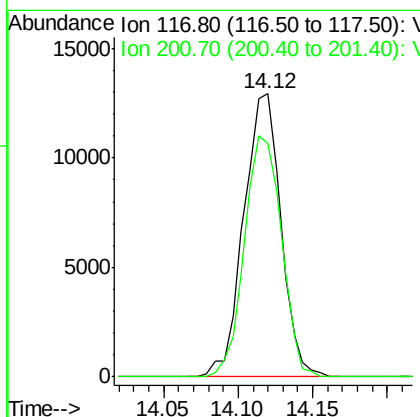
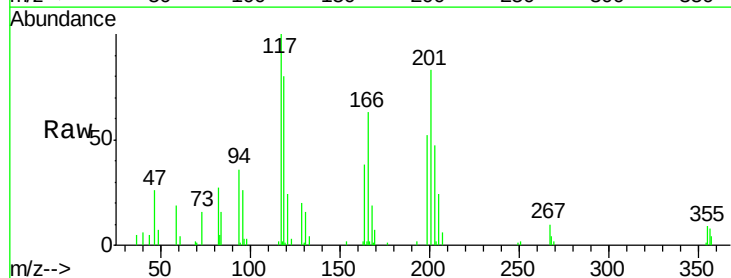
Manual Integrations
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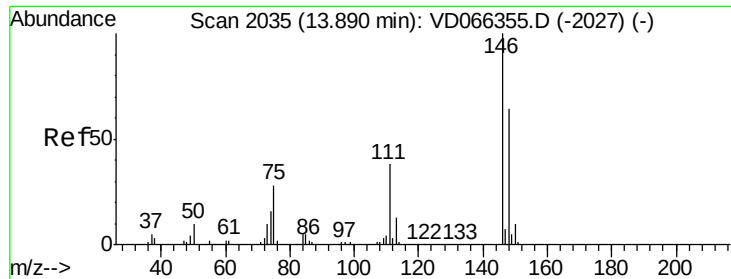
MMDadoda
8/24/2020 4:36:31 PM



#90
Hexachloroethane
Concen: 10.583 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066353.D
Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.9	45.4	136.2	





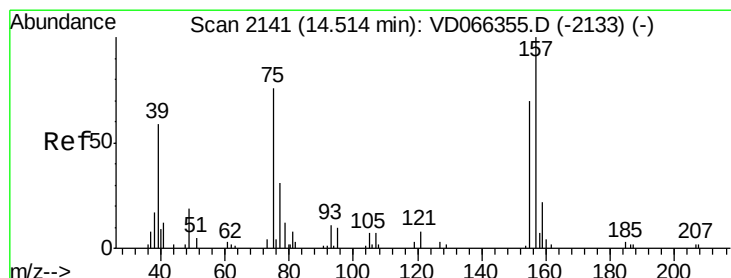
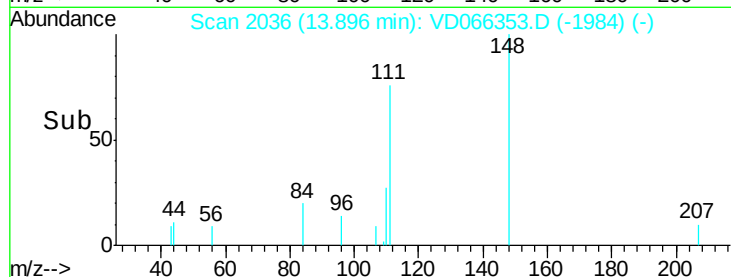
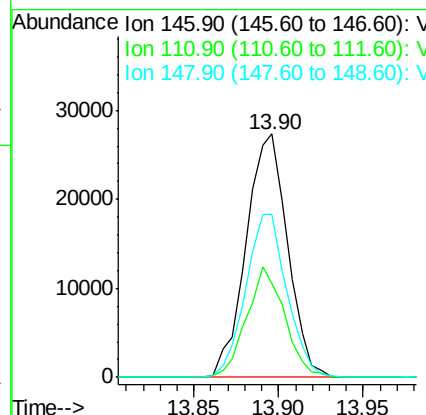
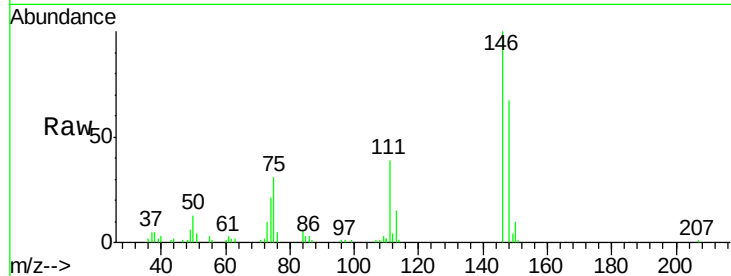
#91
 1,2-Dichlorobenzene
 Concen: 9.726 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.9	59.7
148	66.8	32.6	97.8

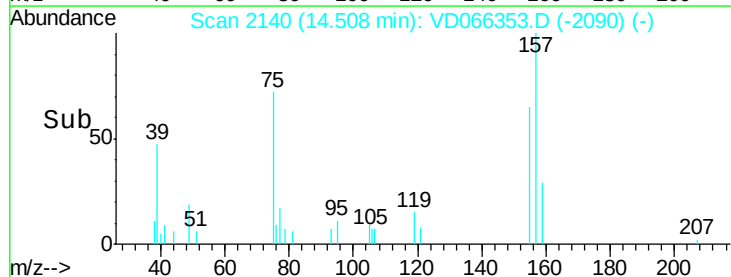
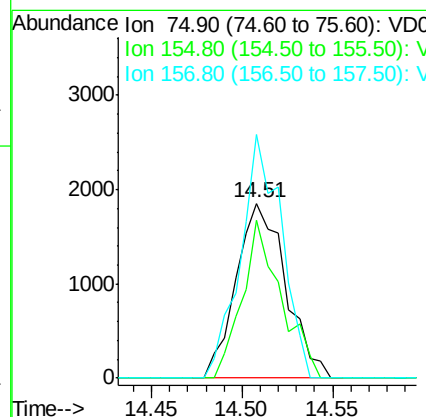
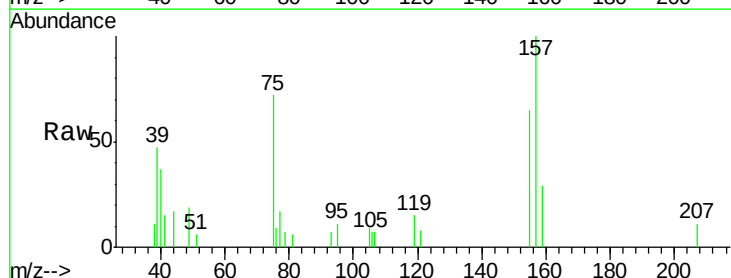
Manual Integrations
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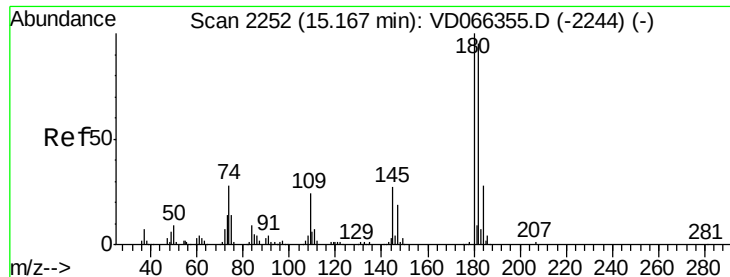
MMDadoda
 8/24/2020 4:36:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.644 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.2	46.9	140.6
157	114.5	61.0	183.0





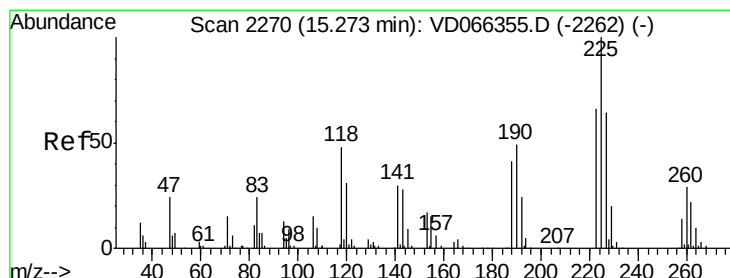
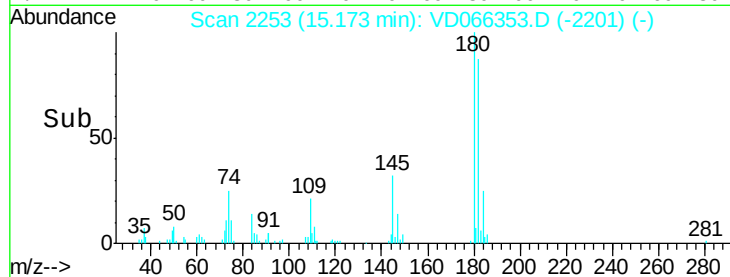
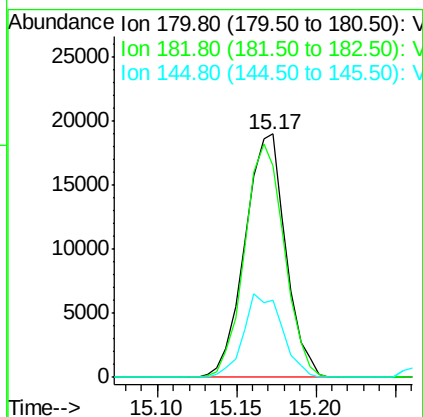
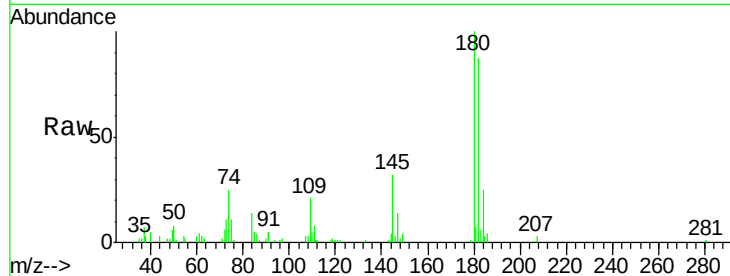
#93
 1,2,4-Trichlorobenzene
 Concen: 9.519 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.1	48.0	144.0	
145	32.6	15.2	45.6	

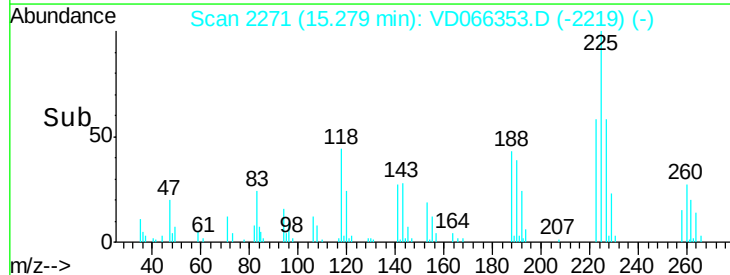
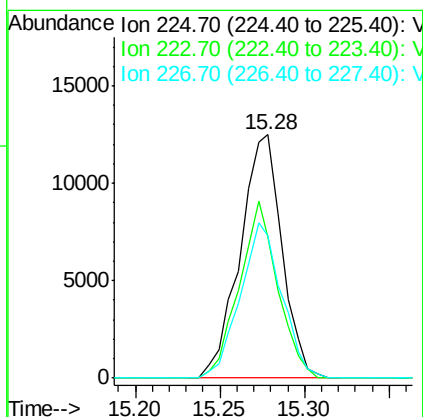
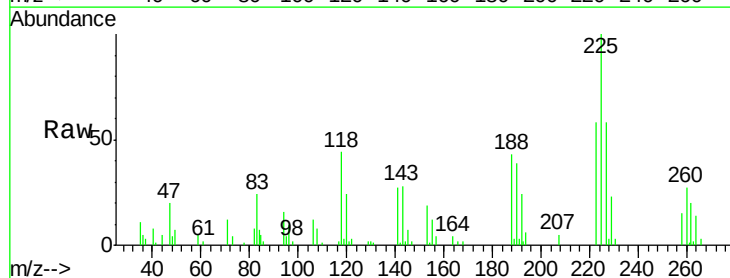
Manual Integrations
 APPROVED

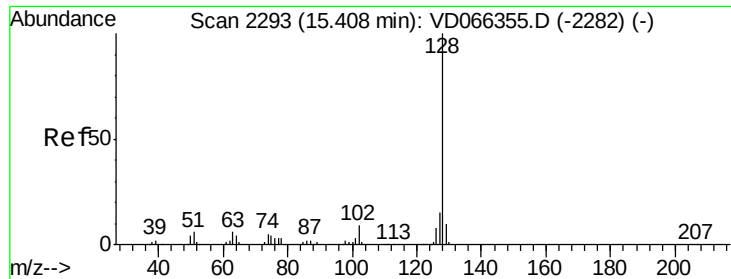
MMDadoda
 8/24/2020 4:36:31 PM



#94
 Hexachlorobutadiene
 Concen: 10.116 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066353.D
 Acq: 21 Aug 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.4	32.5	97.4	
227	63.1	33.0	98.9	





#95

Naphthalene

Concen: 8.837 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Instrument :

MSVOA_D

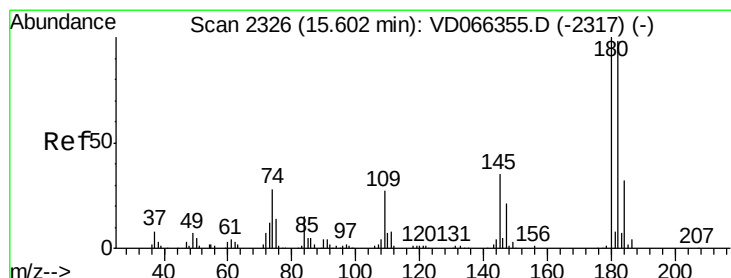
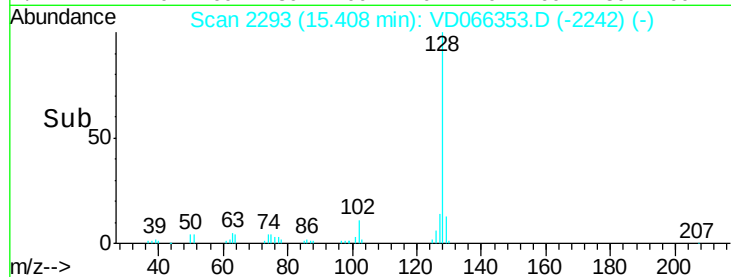
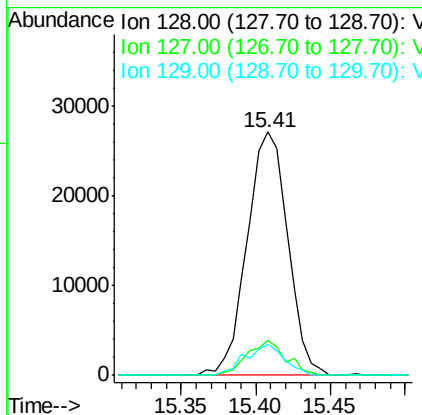
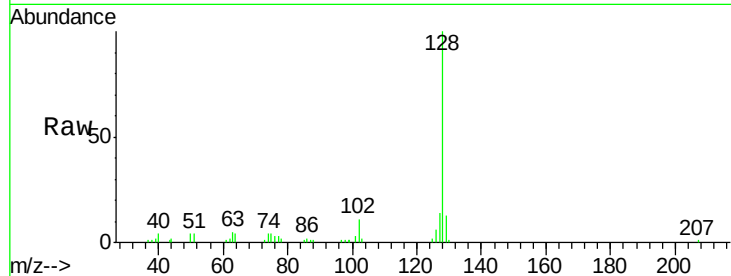
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	51055
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.7	16.1
129	12.2	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 9.601 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066353.D

Acq: 21 Aug 2020 11:25

Tgt Ion:	180	Resp:	30190
Ion Ratio	Lower	Upper	
180	100		
182	94.9	46.7	140.0
145	32.3	16.0	48.0

