

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066356.D
 Acq On : 21 Aug 2020 12:47
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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 8/24/2020 4:36:48 PM

Quant Time: Aug 21 13:08:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:03:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	242298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	350587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	319099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	163621	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	243686	105.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	210.52%	
35) Dibromofluoromethane	7.91	113	217902	99.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	198.24%	
50) Toluene-d8	10.34	98	808860	101.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	202.98%	
62) 4-Bromofluorobenzene	12.63	95	281458	97.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	194.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	184861	85.491	ug/l	100
3) Chloromethane	2.21	50	136133	89.961	ug/l	98
4) Vinyl Chloride	2.35	62	149285	93.053	ug/l	99
5) Bromomethane	2.76	94	110297	91.491	ug/l	98
6) Chloroethane	2.91	64	96062	92.892	ug/l	97
7) Trichlorofluoromethane	3.27	101	401263	91.840	ug/l	97
8) Diethyl Ether	3.71	74	95478	103.605	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	199987	91.144	ug/l	99
10) Methyl Iodide	4.30	142	263082	114.478	ug/l	100
11) Tert butyl alcohol	5.22	59	61803	281.586	ug/l	100
12) 1,1-Dichloroethene	4.07	96	191392	94.350	ug/l	97
13) Acrolein	3.92	56	50258	456.612	ug/l	100
14) Allyl chloride	4.71	41	267617	102.012	ug/l	100
15) Acrylonitrile	5.42	53	195208	508.424	ug/l	98
16) Acetone	4.16	43	218974	505.789	ug/l	97
17) Carbon Disulfide	4.41	76	583374	96.247	ug/l	98
18) Methyl Acetate	4.71	43	81921	101.091	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	481426	102.608	ug/l	97
20) Methylene Chloride	4.96	84	212514	64.637	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	221459	96.631	ug/l	89
22) Diisopropyl ether	6.36	45	508053	99.220	ug/l	97
23) Vinyl Acetate	6.30	43	1604958	508.076	ug/l	97
24) 1,1-Dichloroethane	6.26	63	350922	96.867	ug/l	97
25) 2-Butanone	7.21	43	243900	488.365	ug/l	94
26) 2,2-Dichloropropane	7.21	77	367867	92.646	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	239675	97.782	ug/l	99
28) Bromochloromethane	7.54	49	128586	103.836	ug/l #	99
29) Tetrahydrofuran	7.56	42	138098	497.606	ug/l	97
30) Chloroform	7.71	83	409117	96.938	ug/l	95
31) Cyclohexane	7.98	56	291829	83.712	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	419399	99.014	ug/l	99
36) 1,1-Dichloropropene	8.11	75	304227	91.547	ug/l	99
37) Ethyl Acetate	7.29	43	106228	92.698	ug/l #	91
38) Carbon Tetrachloride	8.09	117	398806	91.980	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	362963	93.849	ug/l	99
40) Benzene	8.35	78	807085	92.695	ug/l	99
41) Methacrylonitrile	7.52	41	61780m	94.756	ug/l	
42) 1,2-Dichloroethane	8.42	62	285918	95.346	ug/l	98
43) Isopropyl Acetate	8.45	43	219883	101.223	ug/l	99
44) Trichloroethene	9.11	130	258952	90.968	ug/l	96
45) 1,2-Dichloropropane	9.38	63	186793	96.354	ug/l	98
46) Dibromomethane	9.47	93	115512	95.549	ug/l	98
47) Bromodichloromethane	9.66	83	319446	95.562	ug/l	99
48) Methyl methacrylate	9.46	41	110983	96.631	ug/l	97
49) 1,4-Dioxane	9.46	88	26356	1872.534	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	528891	489.207	ug/l	99
52) Toluene	10.40	92	554180	94.617	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	311588	100.130	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	348345	98.727	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	154239	94.745	ug/l	92
56) Ethyl methacrylate	10.66	69	191737	102.090	ug/l	97
57) 1,3-Dichloropropane	10.94	76	260625	96.909	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	378546	472.332	ug/l	99
59) 2-Hexanone	10.98	43	379680	494.726	ug/l	99
60) Dibromochloromethane	11.14	129	231845	93.348	ug/l	100
61) 1,2-Dibromoethane	11.24	107	154282	95.360	ug/l	96
64) Tetrachloroethene	10.87	164	225411	91.139	ug/l	92
65) Chlorobenzene	11.67	112	611825	95.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	245108	92.689	ug/l	99
67) Ethyl Benzene	11.74	91	1084989	94.650	ug/l	99
68) m/p-Xylenes	11.86	106	817776	186.788	ug/l	96
69) o-Xylene	12.18	106	380468	94.749	ug/l	98
70) Styrene	12.20	104	653704	94.255	ug/l	98
71) Bromoform	12.36	173	138793	93.180	ug/l #	97
73) Isopropylbenzene	12.48	105	1077141	97.834	ug/l	98
74) N-amyl acetate	12.29	43	203625	103.102	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	152482	95.729	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	109370m	97.314	ug/l	
77) Bromobenzene	12.76	156	271262	94.888	ug/l	99
78) n-propylbenzene	12.82	91	1202547	93.602	ug/l	100
79) 2-Chlorotoluene	12.91	91	697569	96.188	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	922714	95.946	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	54561	98.448	ug/l	96
82) 4-Chlorotoluene	13.01	91	734705	95.163	ug/l	100
83) tert-Butylbenzene	13.23	119	816342	99.817	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	901629	95.908	ug/l	100
85) sec-Butylbenzene	13.40	105	1043171	94.460	ug/l	100
86) p-Isopropyltoluene	13.52	119	1015392	96.247	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	486063	91.861	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	492500	91.584	ug/l	99
89) n-Butylbenzene	13.85	91	893649	97.312	ug/l	100
90) Hexachloroethane	14.11	117	193895	92.201	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	439252	95.445	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	31794	93.532	ug/l	93

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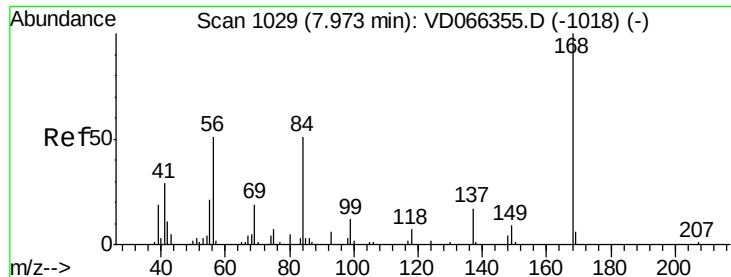
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	345309	98.483	ug/l	99
94) Hexachlorobutadiene	15.27	225	210585	94.990	ug/l	98
95) Naphthalene	15.41	128	568516	106.313	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	296597	99.500	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

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Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 242298

Ion Ratio Lower Upper

168 100

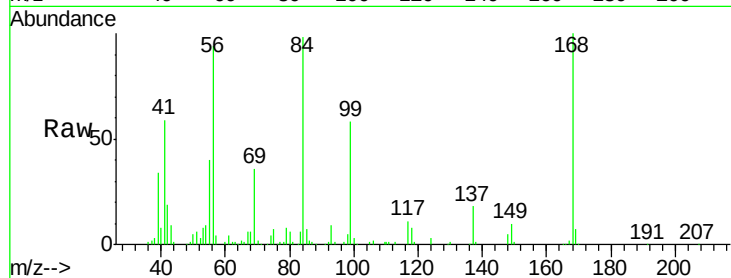
99 57.5 45.4 68.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

120000

100000

80000

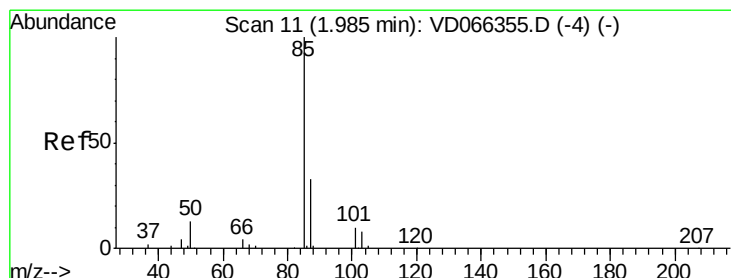
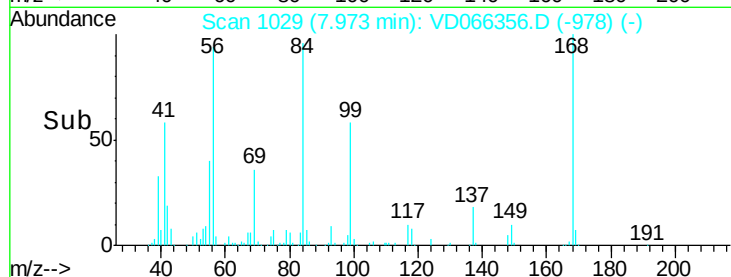
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 85.491 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066356.D

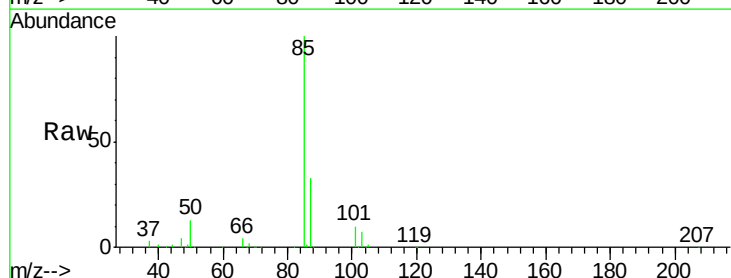
Acq: 21 Aug 2020 12:47

Tgt Ion: 85 Resp: 184861

Ion Ratio Lower Upper

85 100

87 32.7 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

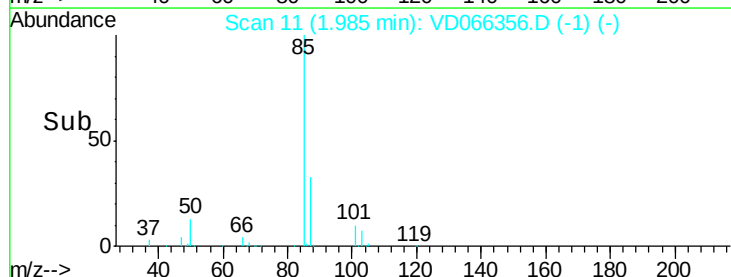
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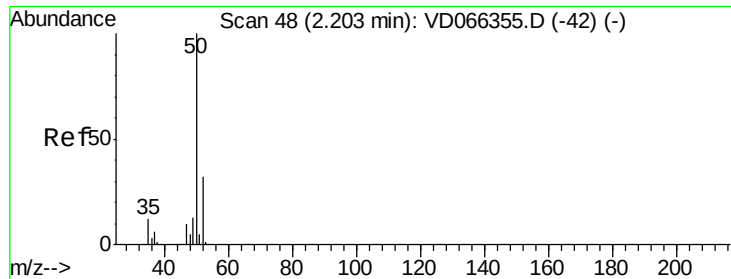
100000

50000

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Time-->





#3

Chloromethane

Concen: 89.961 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 136133

Ion Ratio Lower Upper

50 100

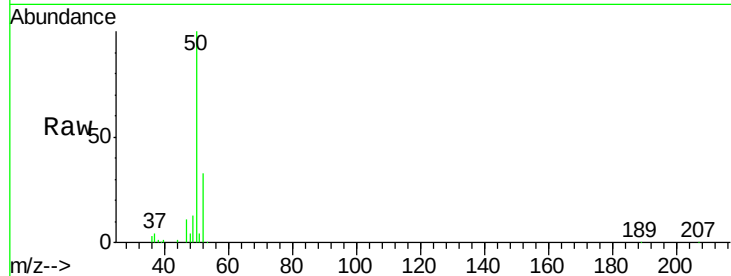
52 33.1 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

100000

80000

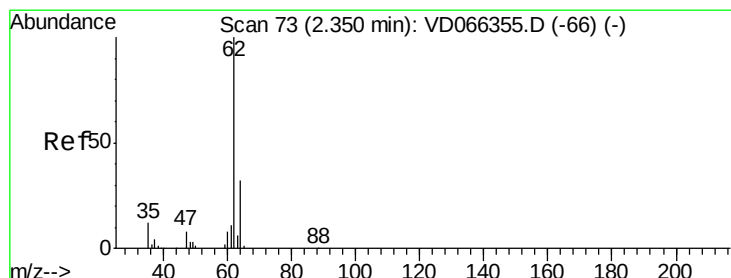
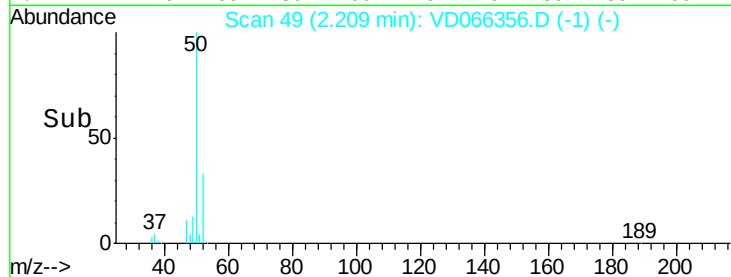
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 93.053 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066356.D

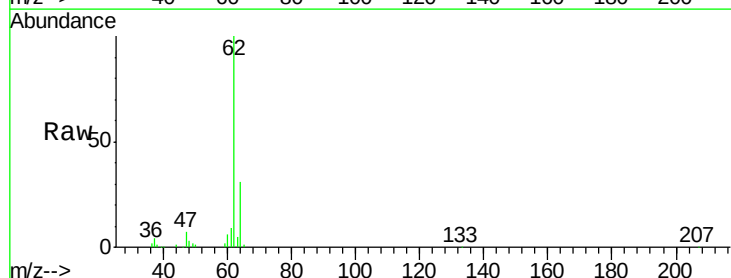
Acq: 21 Aug 2020 12:47

Tgt Ion: 62 Resp: 149285

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

100000

80000

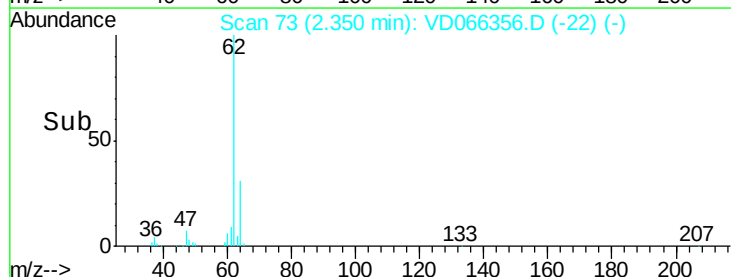
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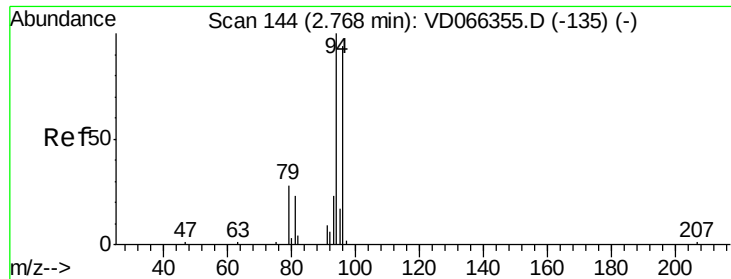
40000

20000

0

Time-->





#5

Bromomethane

Concen: 91.491 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 110297

Ion Ratio Lower Upper

94 100

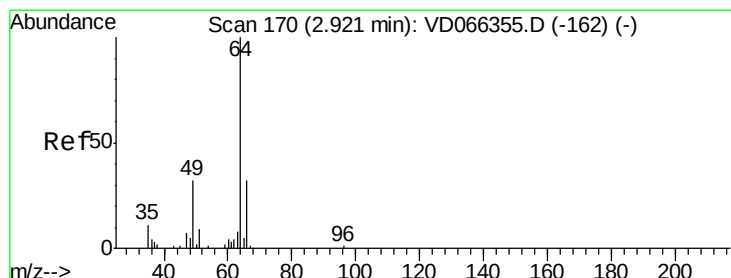
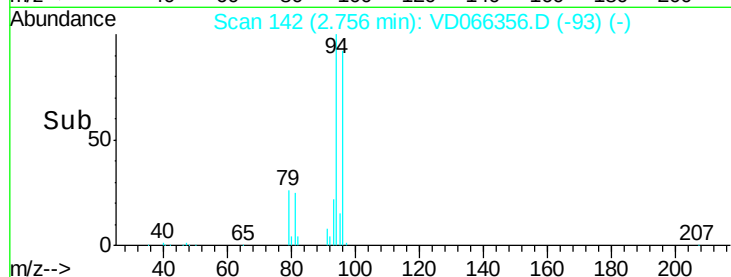
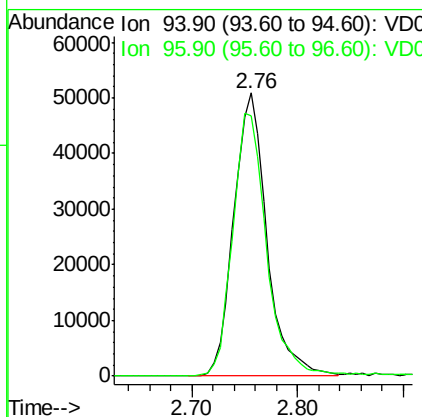
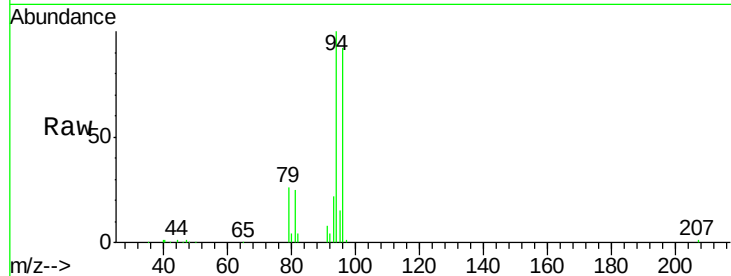
96 91.8 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 92.892 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066356.D

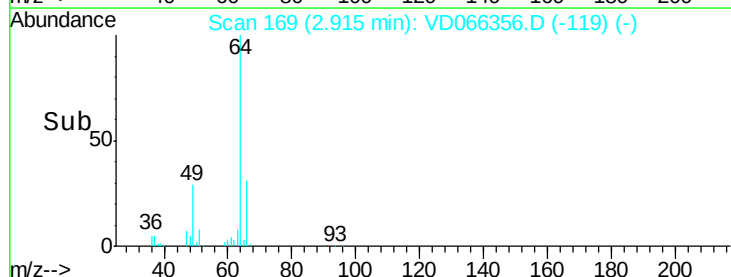
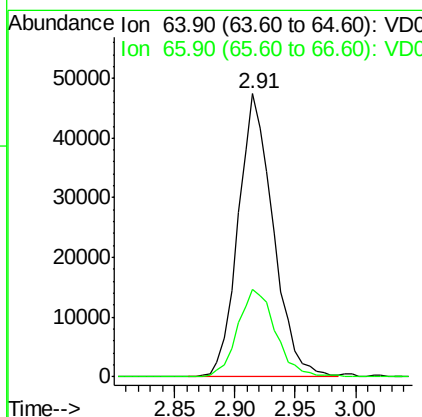
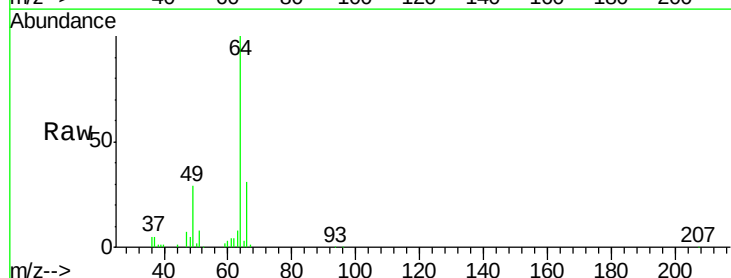
Acq: 21 Aug 2020 12:47

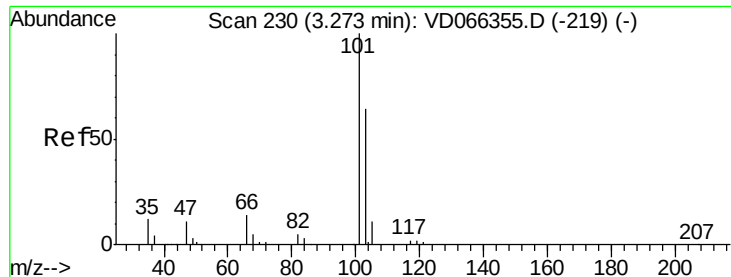
Tgt Ion: 64 Resp: 96062

Ion Ratio Lower Upper

64 100

66 30.8 25.9 38.9





#7

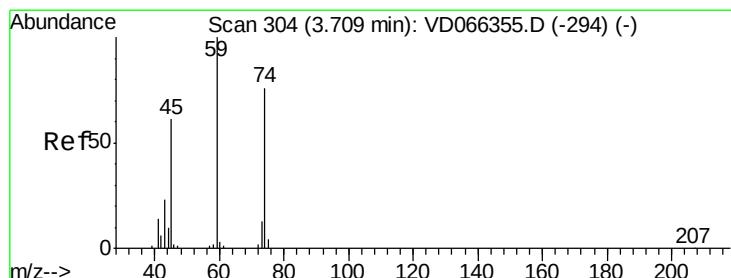
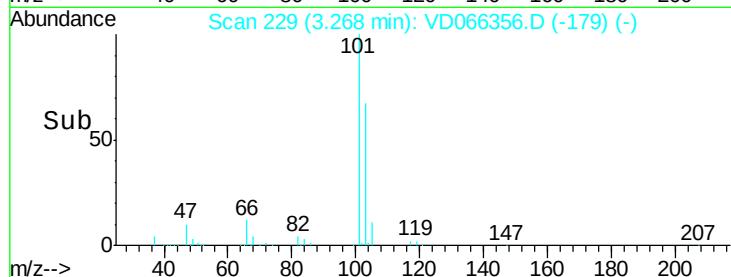
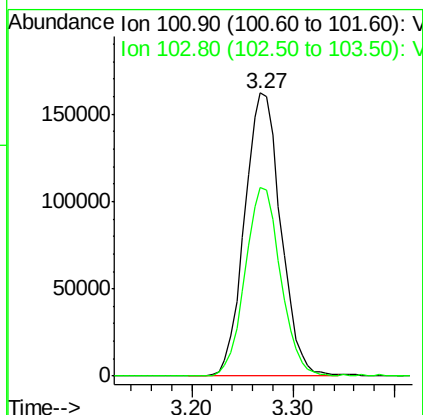
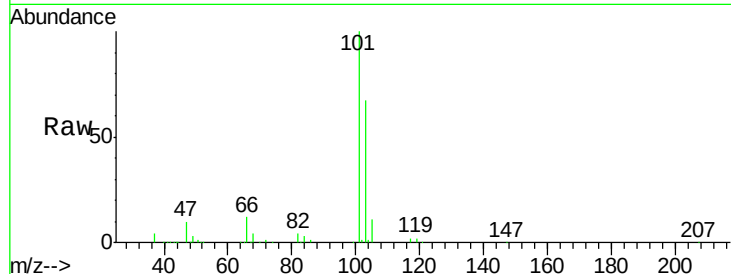
Trichlorofluoromethane
Concen: 91.840 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066356.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	401263		
103	66.6	51.4	77.0	

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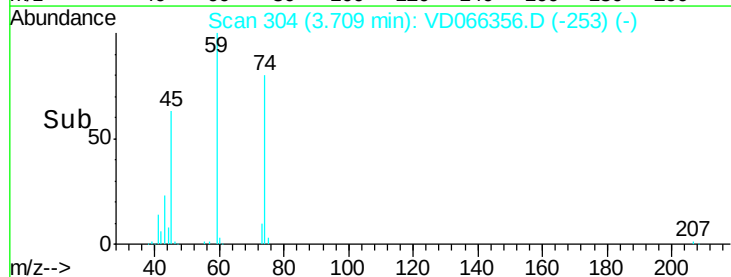
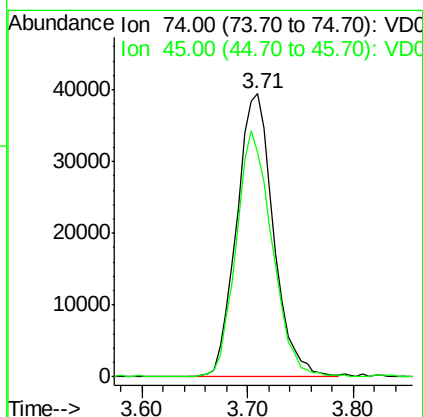
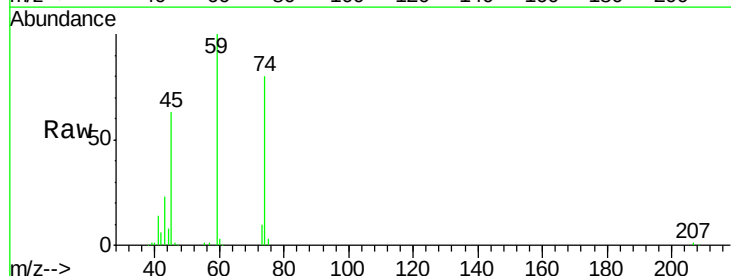
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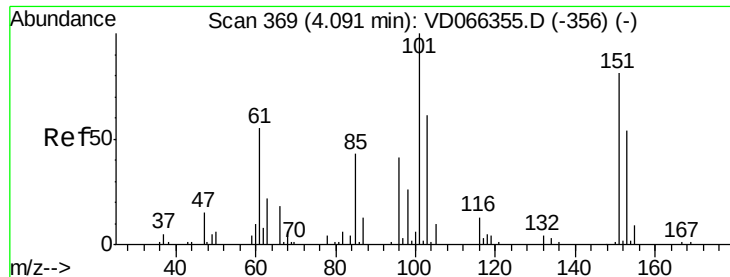


#8

Diethyl Ether
Concen: 103.605 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD066356.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	95478		
45	84.9	42.8	128.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.144 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

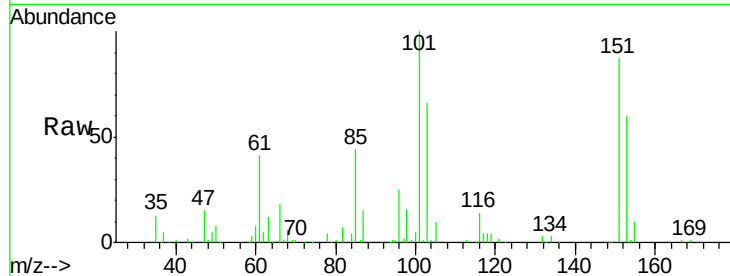
ClientSampleId :

VSTDIC100

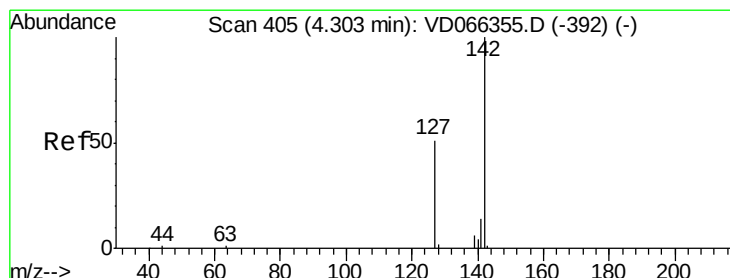
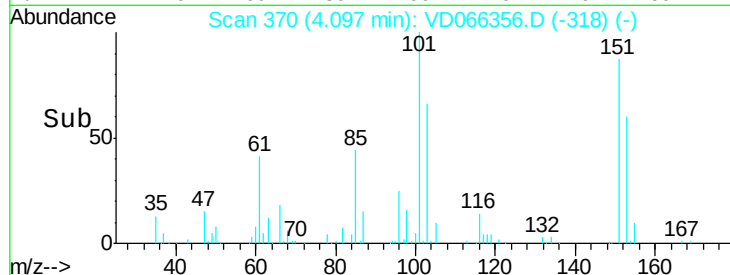
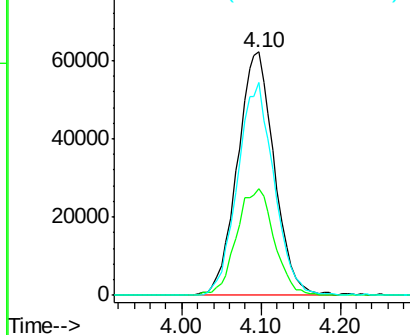
Tot Ion:	101	Resp:	199987
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.4	54.6
151	86.7	70.5	105.7

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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: 114.478 ug/l

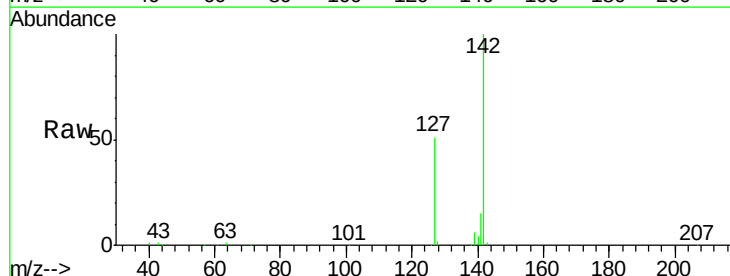
RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

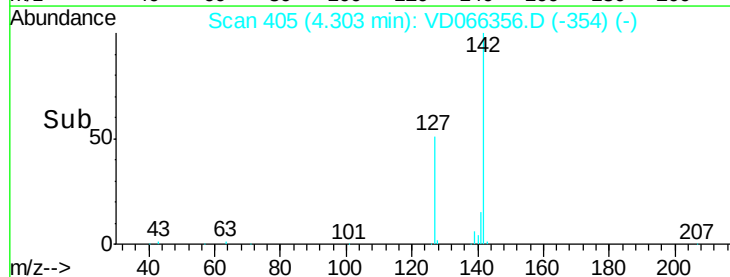
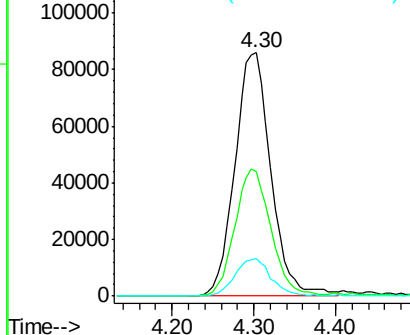
Lab File: VD066356.D

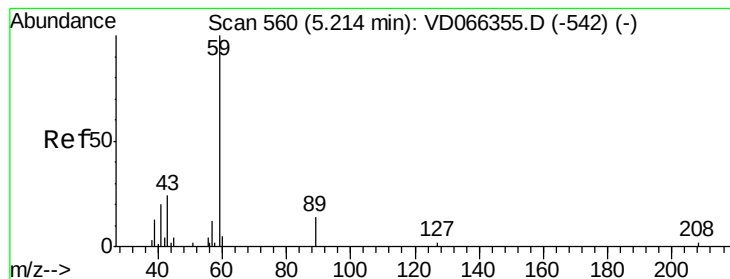
Acq: 21 Aug 2020 12:47

Tgt Ion:	142	Resp:	263082
Ion Ratio	Lower	Upper	
142	100		
127	52.2	41.8	62.8
141	15.3	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

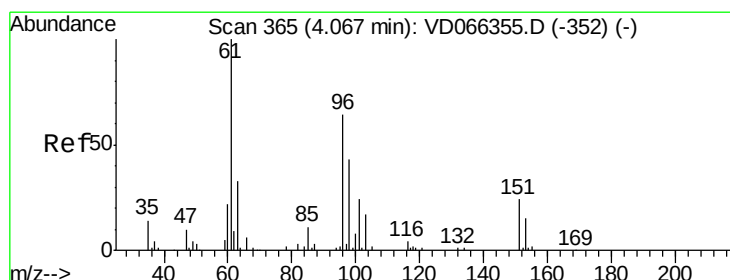
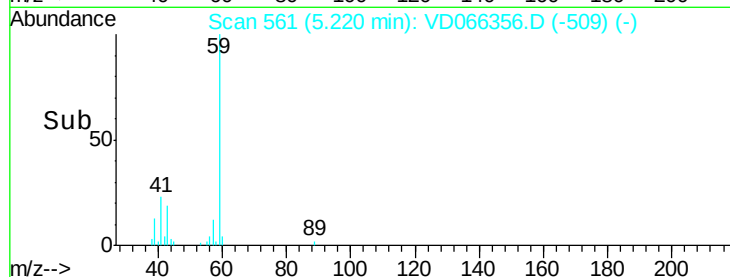
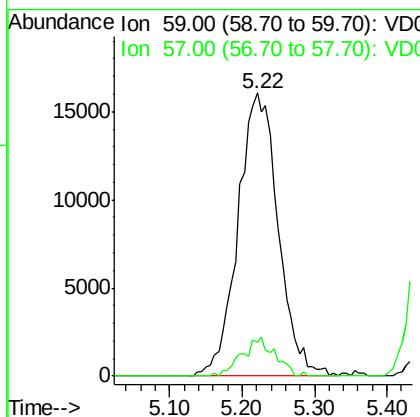
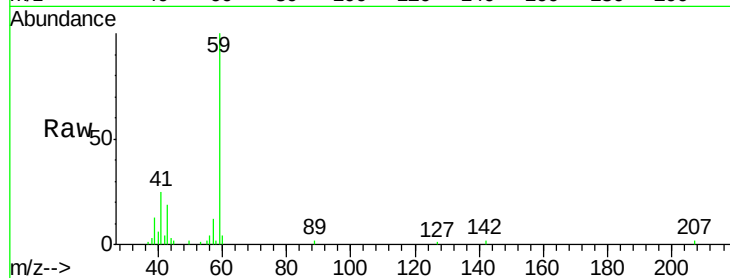
Tert butyl alcohol
 Concen: 281.586 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	59	Resp	61803
Ion Ratio	100	Lower	Upper
57	11.2	9.0	13.4

Manual Integrations
 APPROVED

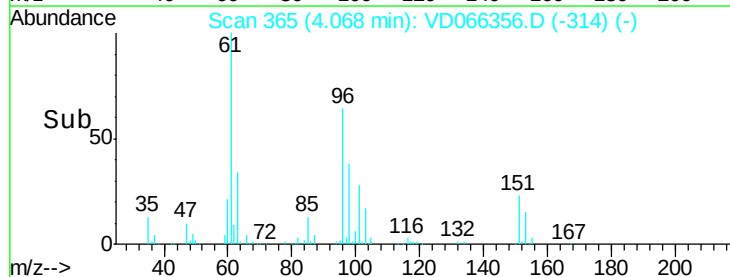
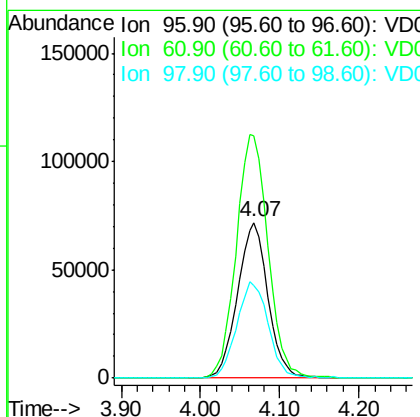
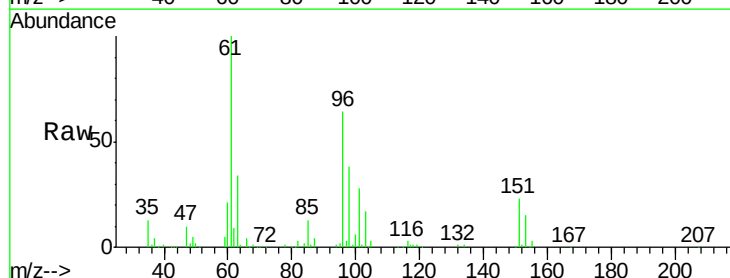
MMDadoda
 8/24/2020 4:36:48 PM

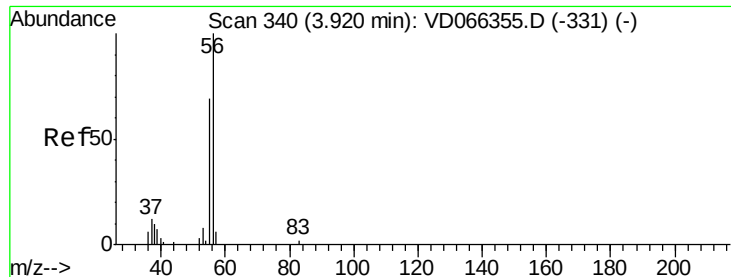


#12

1,1-Dichloroethene
 Concen: 94.350 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Tgt Ion	96	Resp	191392
Ion Ratio	100	Lower	Upper
61	155.8	124.3	186.5
98	59.1	53.2	79.8





#13

Acrolein

Concen: 456.612 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 50258

Ion Ratio Lower Upper

56 100

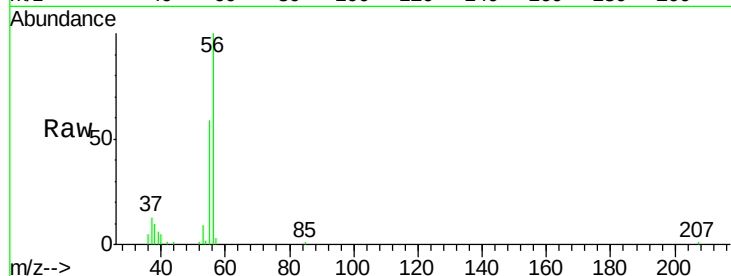
55 69.8 55.5 83.3

Manual Integrations

APPROVED

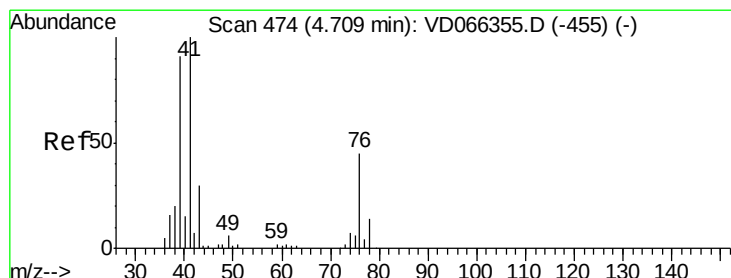
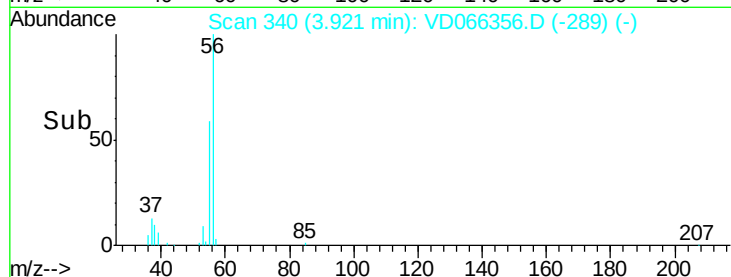
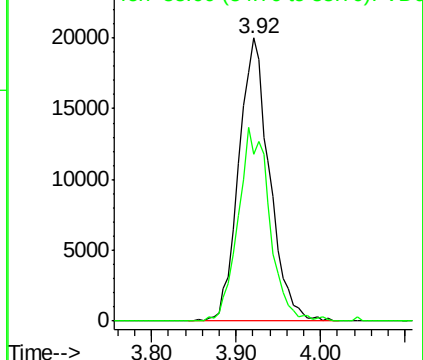
MMDadoda

8/24/2020 4:36:48 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 102.012 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

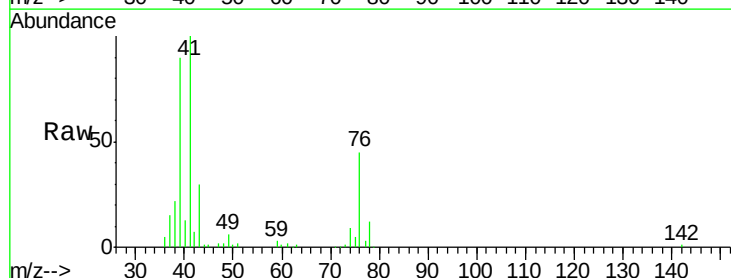
Tgt Ion: 41 Resp: 267617

Ion Ratio Lower Upper

41 100

39 91.2 72.8 109.2

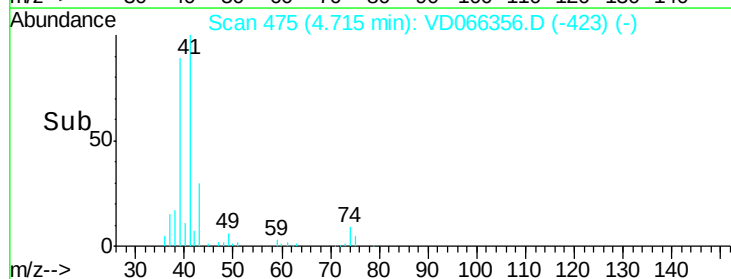
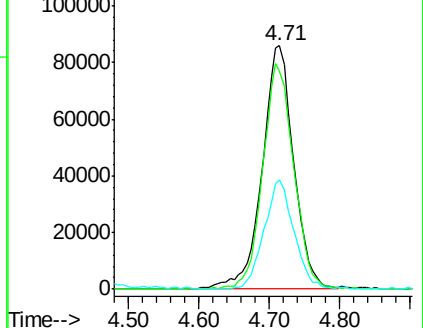
76 42.5 34.0 51.0

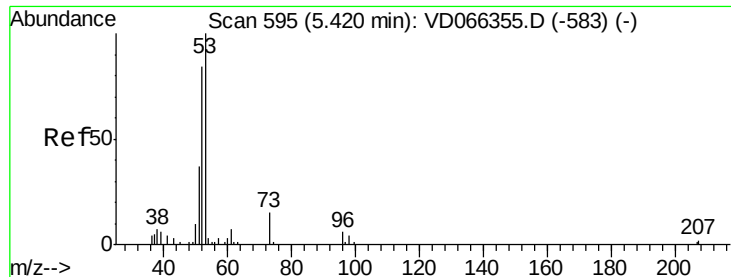


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 508.424 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

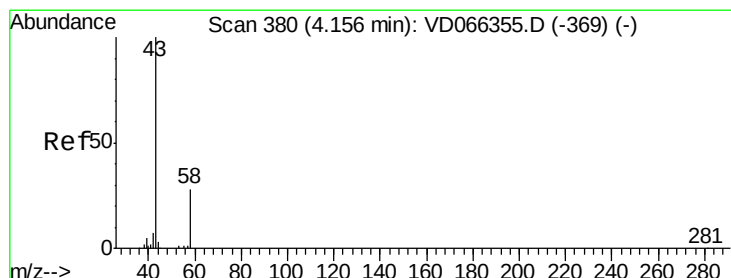
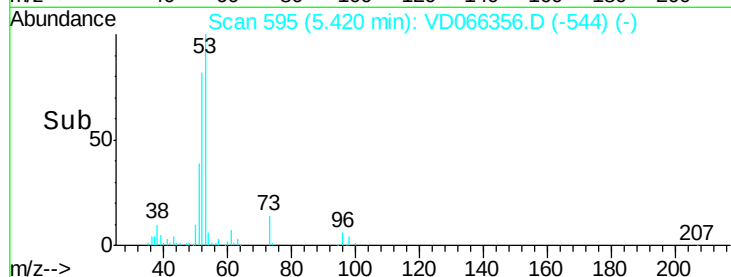
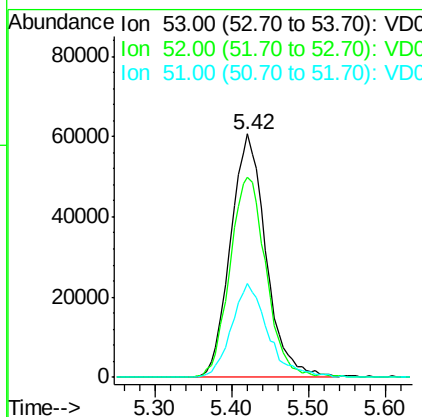
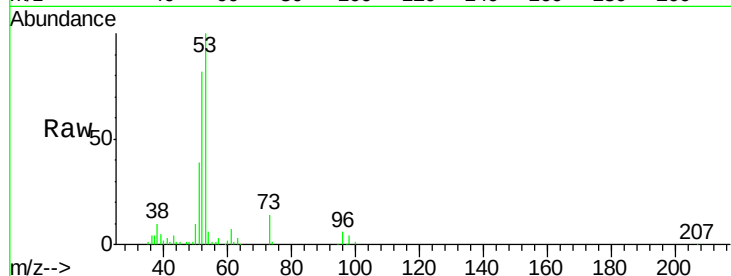
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	195208
Ion Ratio	Lower	Upper	
53	100		
52	83.6	68.1	102.1
51	39.6	33.8	50.6

Manual Integrations
APPROVED

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8/24/2020 4:36:48 PM



#16

Acetone

Concen: 505.789 ug/l

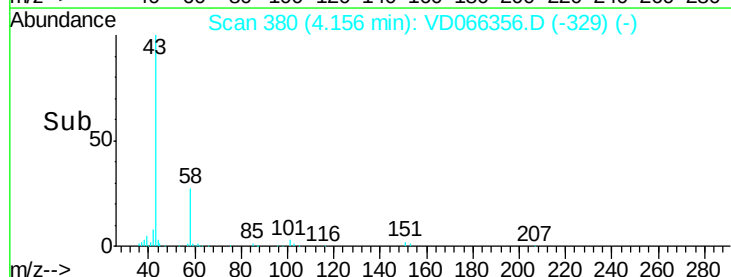
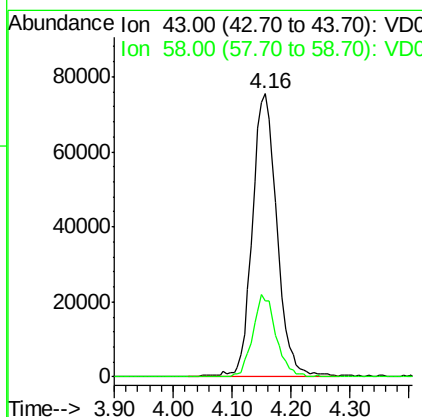
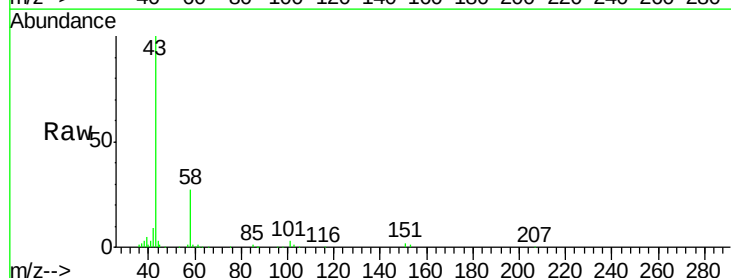
RT: 4.16 min Scan# 380

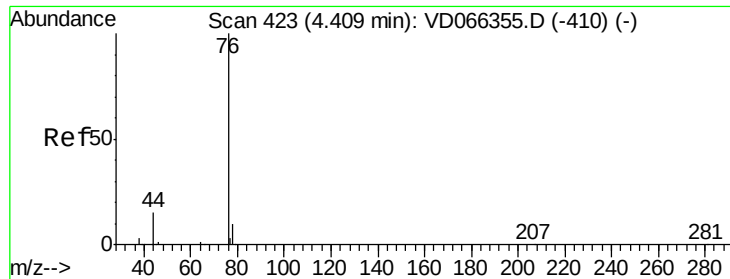
Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Tgt Ion:	43	Resp:	218974
Ion Ratio	Lower	Upper	
43	100		
58	26.9	22.7	34.1





#17

Carbon Disulfide

Concen: 96.247 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 583374

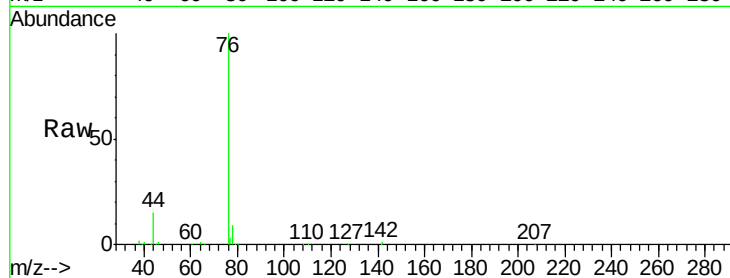
Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:36:48 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

200000

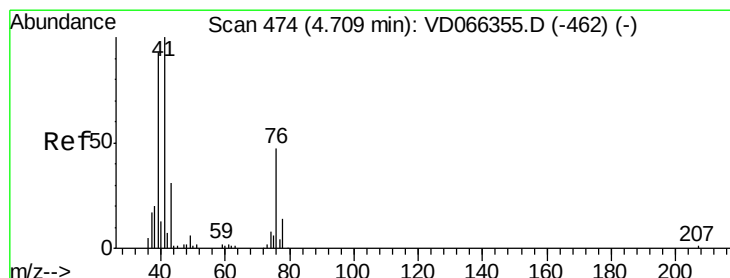
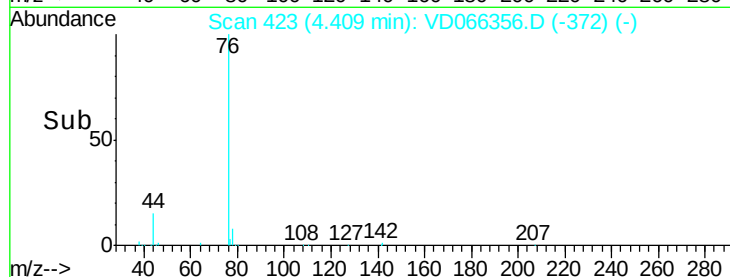
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 101.091 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066356.D

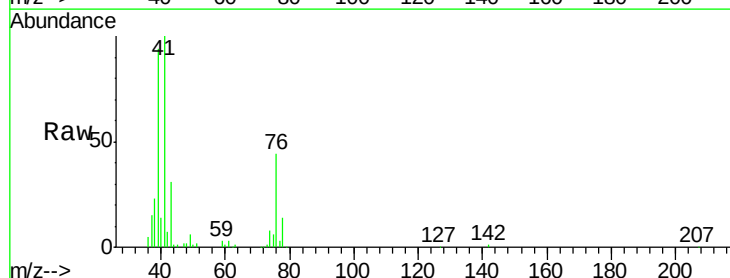
Acq: 21 Aug 2020 12:47

Tgt Ion: 43 Resp: 81921

Ion Ratio Lower Upper

43 100

74 27.9 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

30000

25000

20000

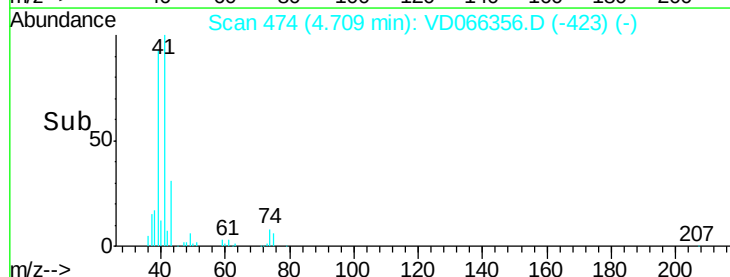
15000

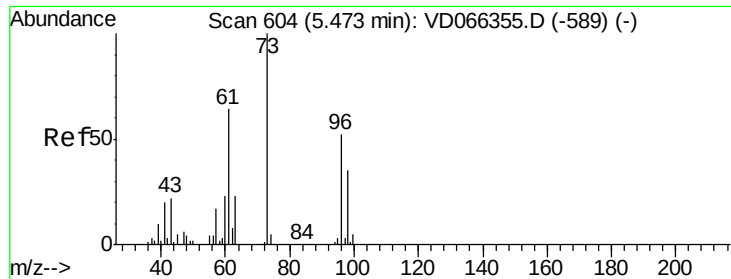
10000

5000

0

Time-->





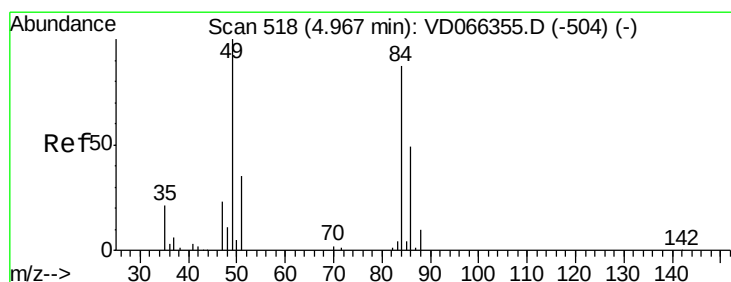
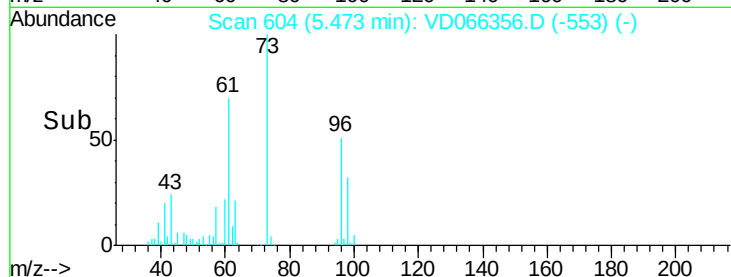
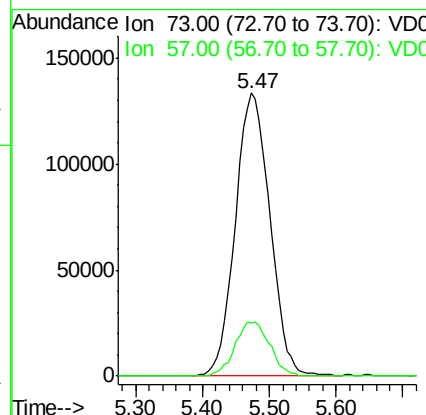
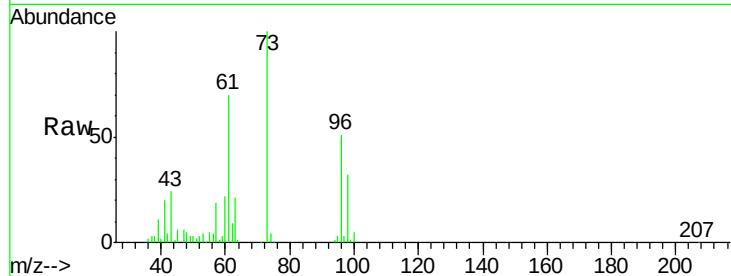
#19
Methyl tert-butyl Ether
Concen: 102.608 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	13.8	20.6

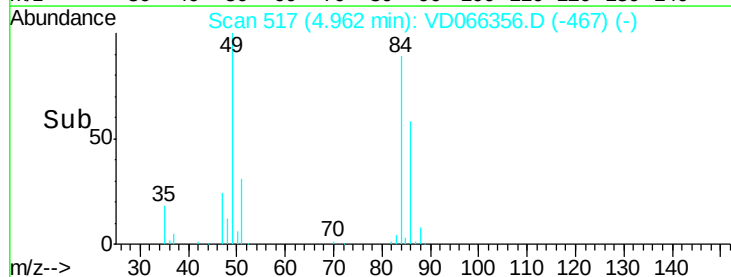
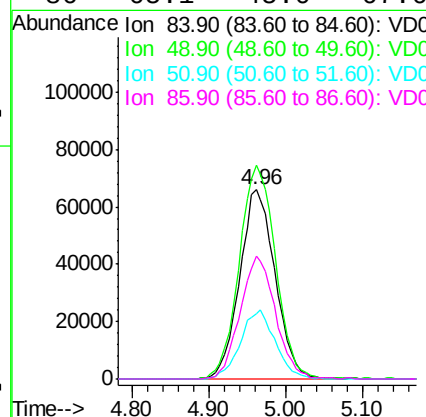
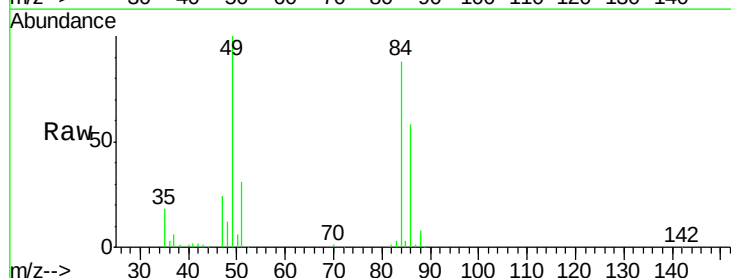
Manual Integrations
APPROVED

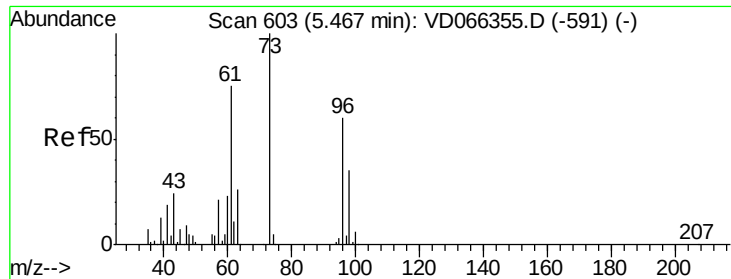
MMDadoda
8/24/2020 4:36:48 PM



#20
Methylene Chloride
Concen: 64.637 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.1	92.5	138.7
51	34.6	32.5	48.7
86	65.1	45.0	67.6





#21

trans-1,2-Dichloroethene

Concen: 96.631 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

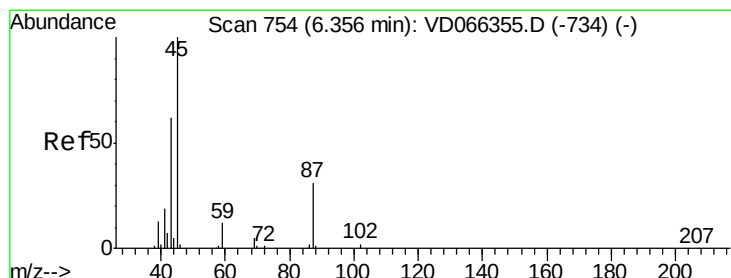
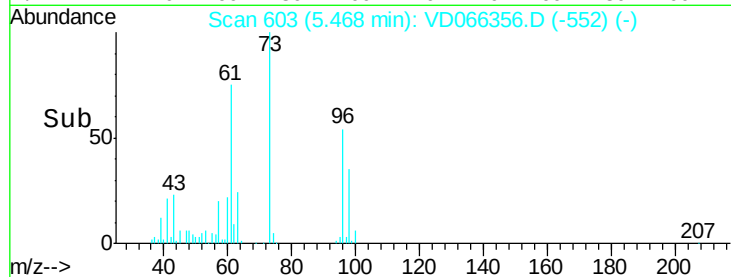
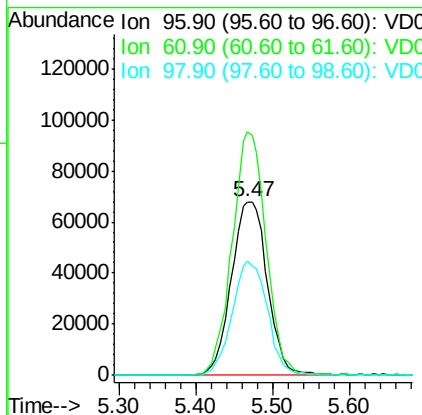
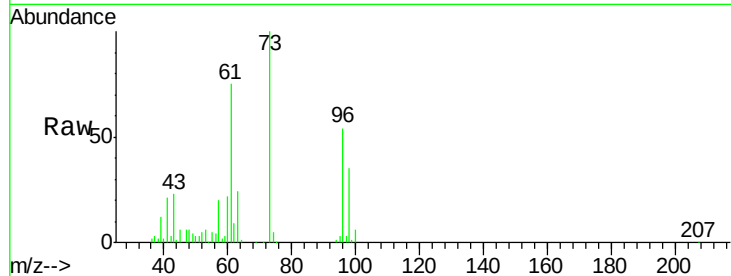
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	221459
Ion	Ratio	Lower	Upper
96	100		
61	140.3	101.1	151.7
98	65.6	47.0	70.6

Manual Integrations
APPROVED

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8/24/2020 4:36:48 PM



#22

Diisopropyl ether

Concen: 99.220 ug/l

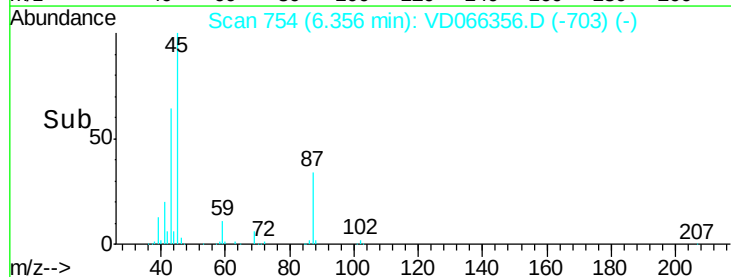
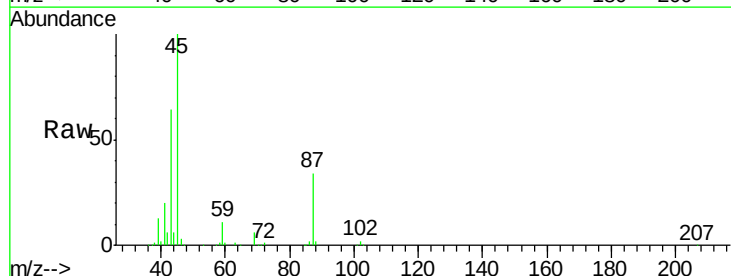
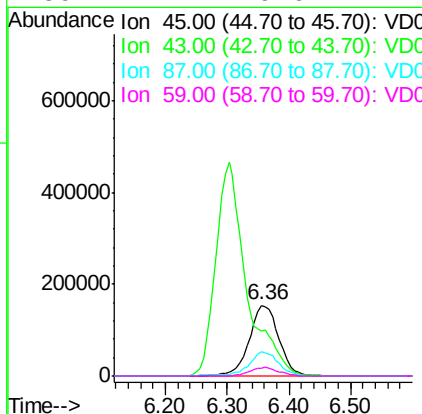
RT: 6.36 min Scan# 754

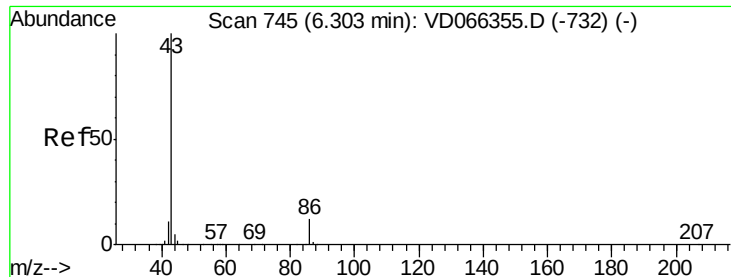
Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Tgt Ion:	45	Resp:	508053
Ion	Ratio	Lower	Upper
45	100		
43	63.6	49.8	74.8
87	34.3	25.0	37.6
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 508.076 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1604958

Ion Ratio Lower Upper

43 100

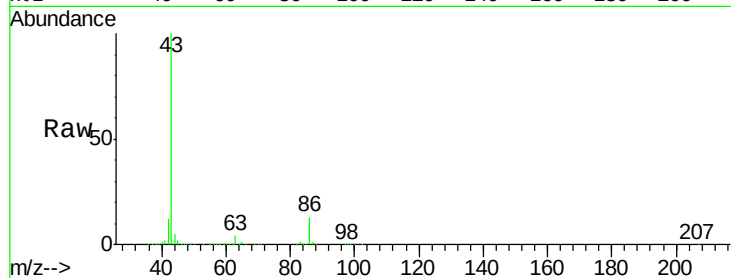
86 12.8 9.4 14.0

Manual Integrations

APPROVED

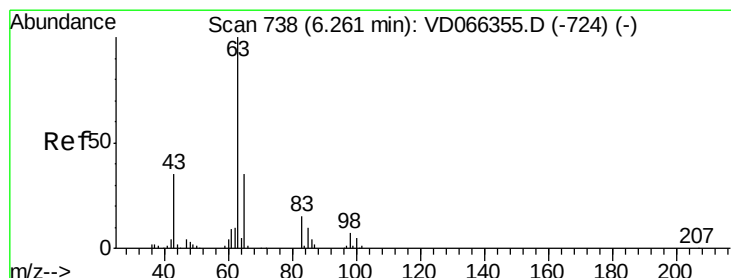
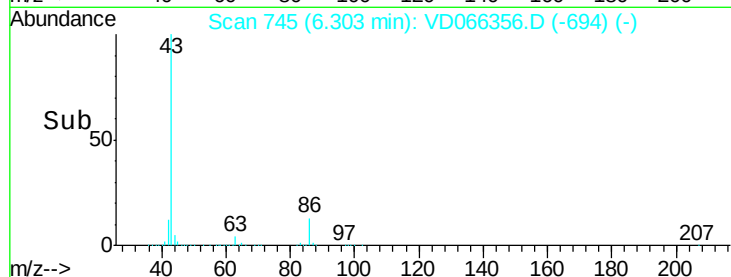
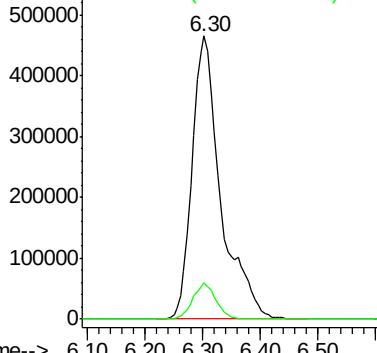
MMDadoda

8/24/2020 4:36:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 96.867 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

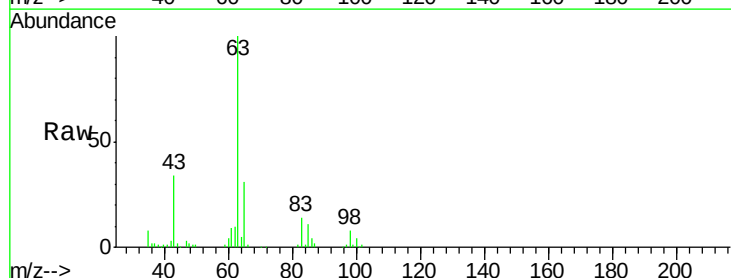
Tgt Ion: 63 Resp: 350922

Ion Ratio Lower Upper

63 100

98 8.2 3.5 10.6

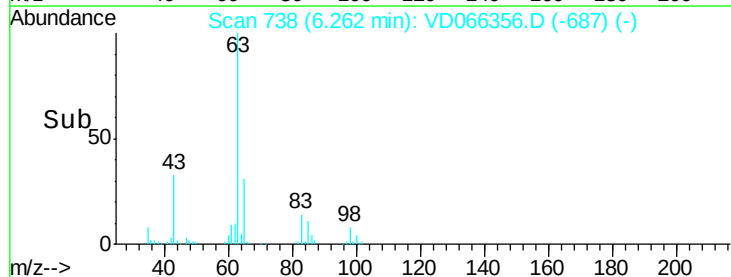
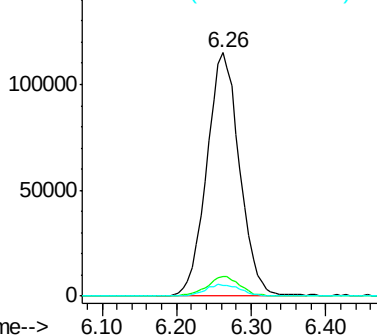
100 4.2 2.5 7.6

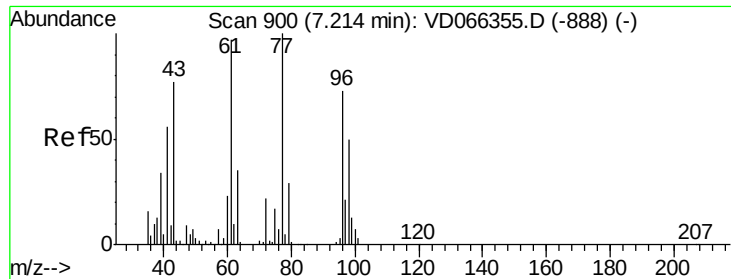


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 488.365 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 243900

Ion Ratio Lower Upper

43 100

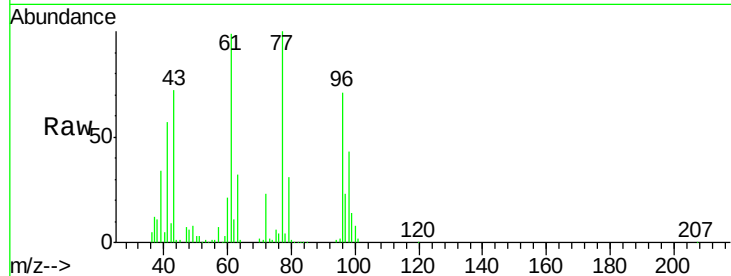
72 31.3 22.5 33.7

Manual Integrations

APPROVED

MMDadoda

8/24/2020 4:36:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

100000

80000

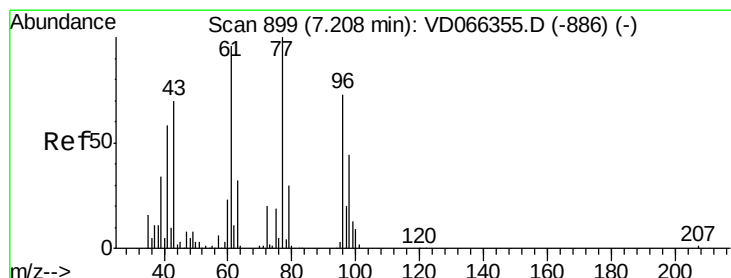
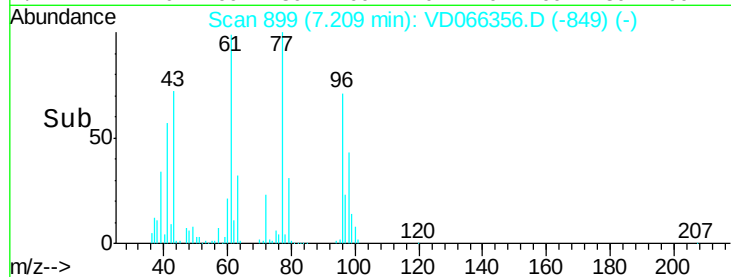
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 92.646 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066356.D

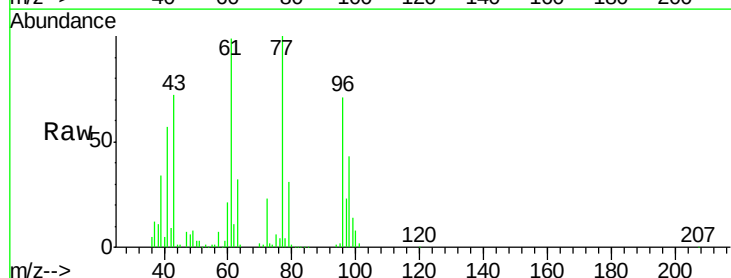
Acq: 21 Aug 2020 12:47

Tgt Ion: 77 Resp: 367867

Ion Ratio Lower Upper

77 100

97 21.4 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

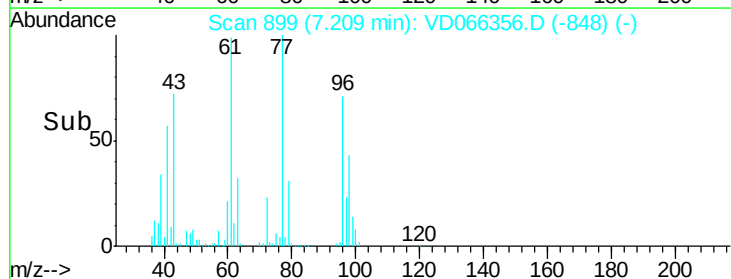
150000

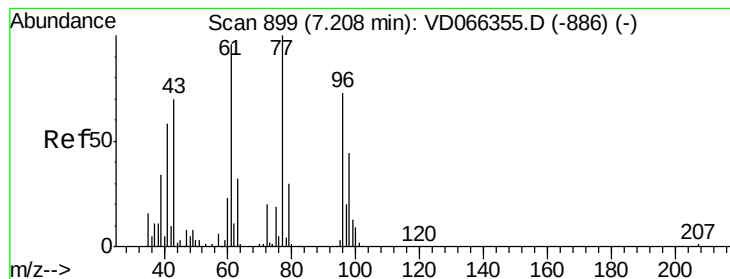
100000

50000

0

Time-->





#27

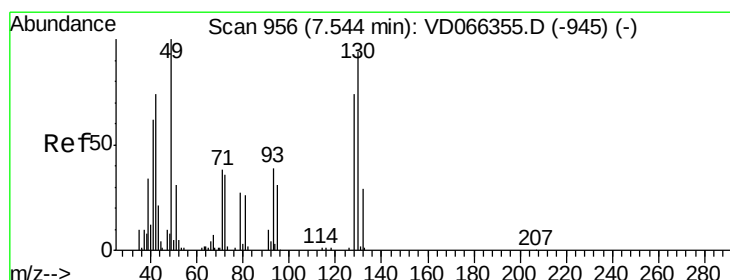
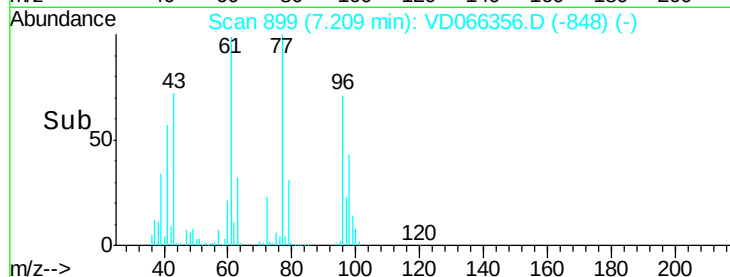
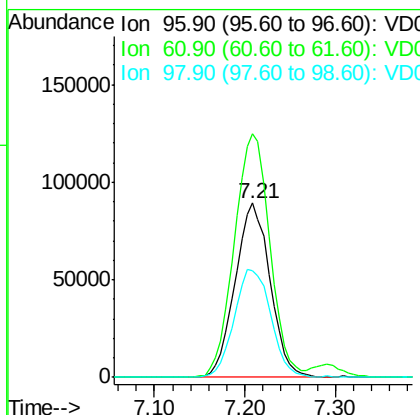
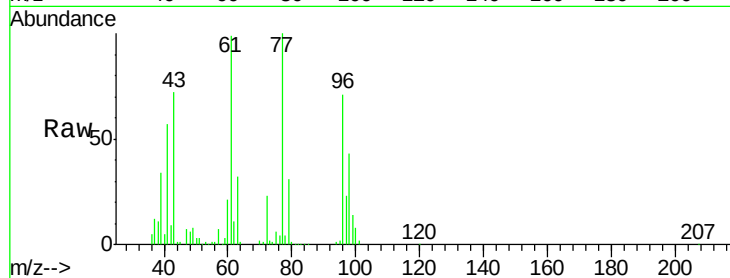
cis-1,2-Dichloroethene
Concen: 97.782 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	239675		
61	141.9		0.0	281.4
98	64.8		0.0	132.2

Manual Integrations
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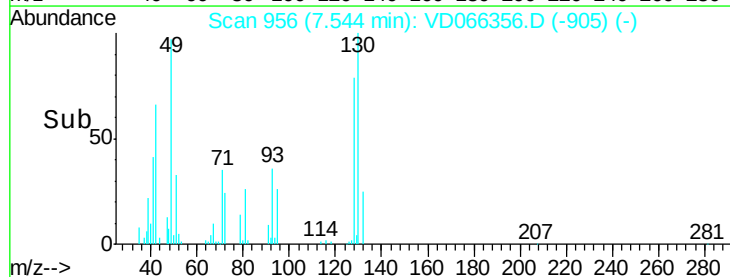
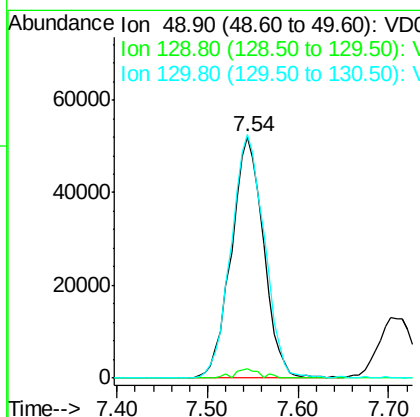
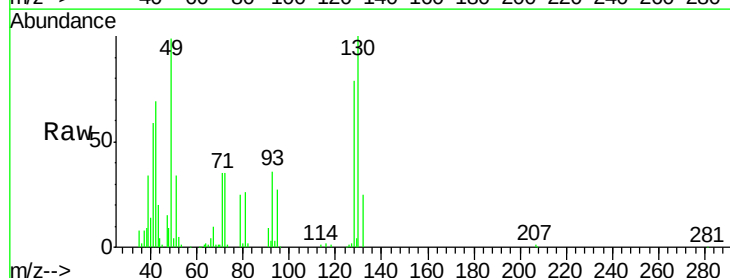
MMDadoda
8/24/2020 4:36:48 PM

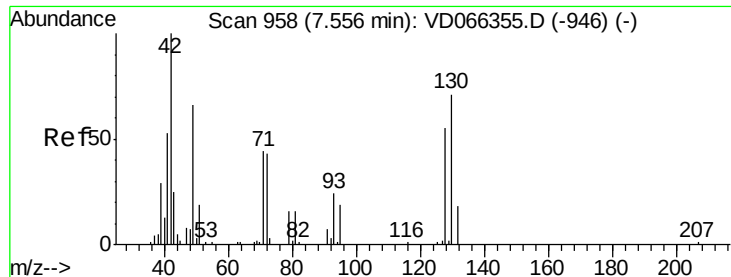


#28

Bromochloromethane
Concen: 103.836 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	128586		
129	3.1		0.0	3.0#
130	104.5		82.6	124.0





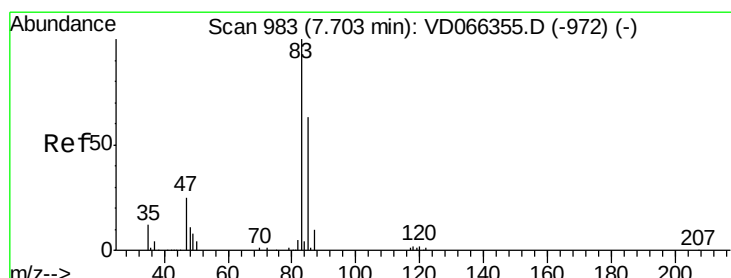
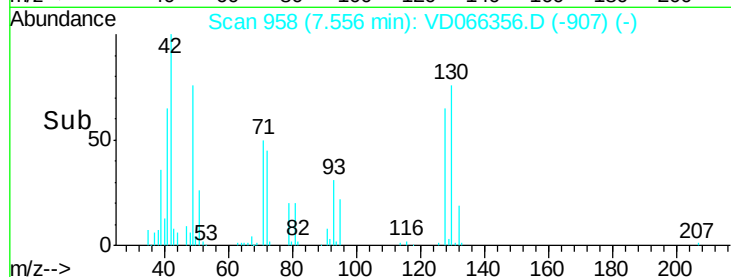
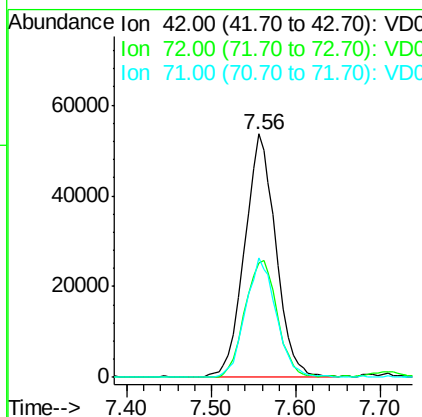
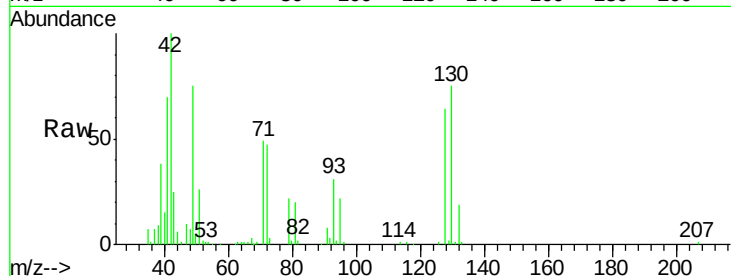
#29
Tetrahydrofuran
Concen: 497.606 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	41.0	61.4
71	48.6	37.2	55.8

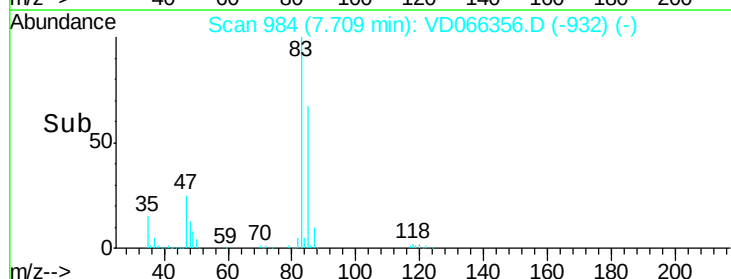
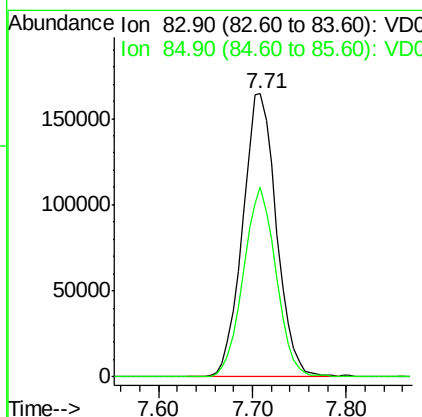
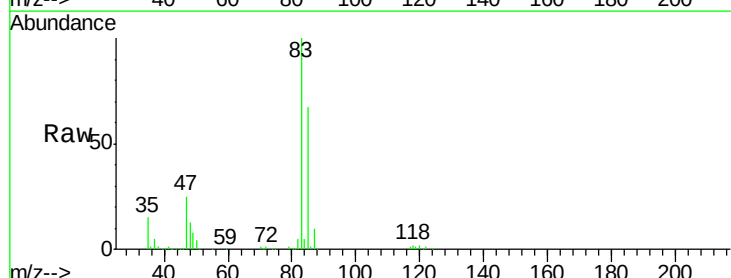
Manual Integrations
APPROVED

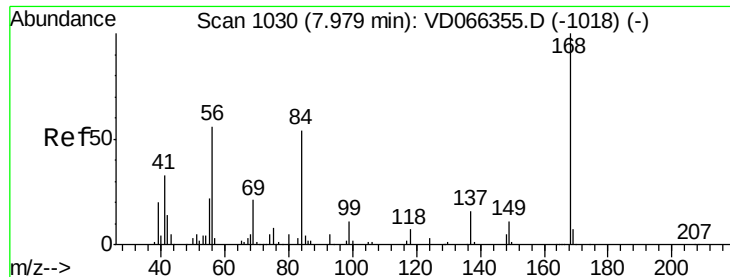
MMDadoda
8/24/2020 4:36:48 PM



#30
Chloroform
Concen: 96.938 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	50.3	75.5





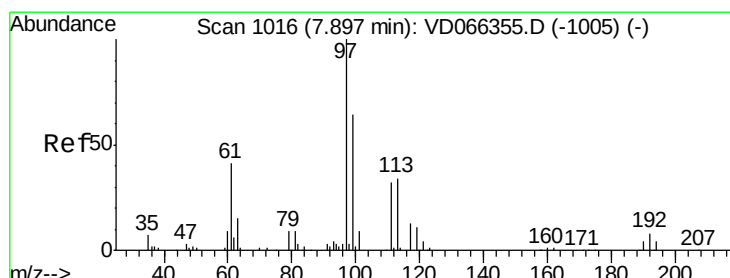
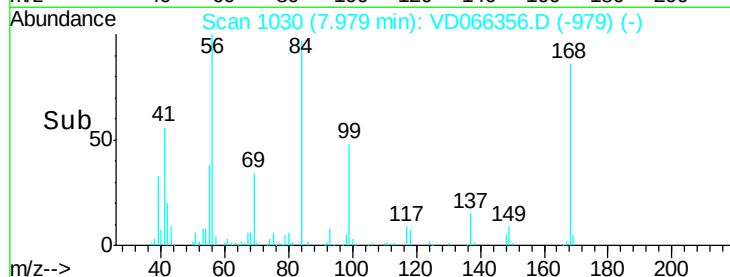
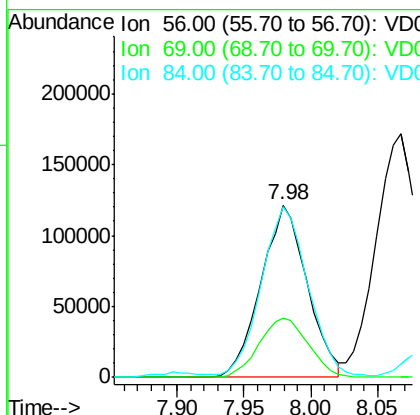
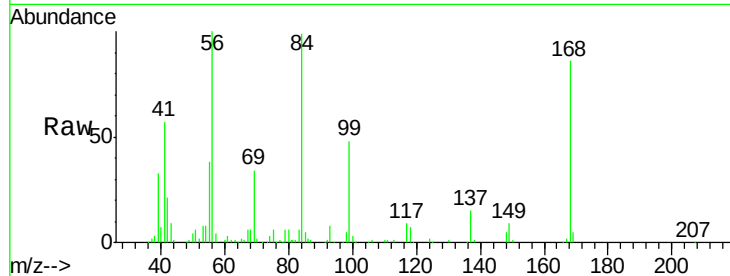
#31
Cyclohexane
Concen: 83.712 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	29.6	44.4
84	95.9	76.6	115.0

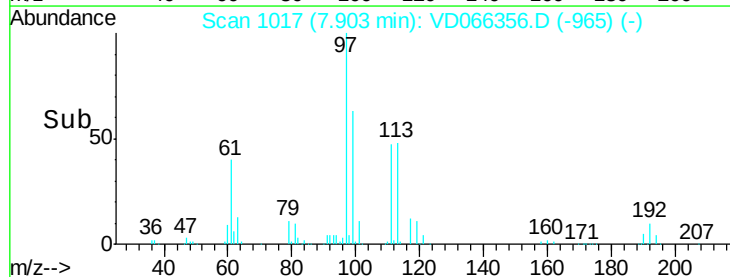
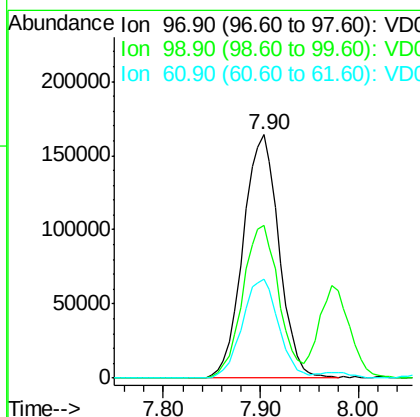
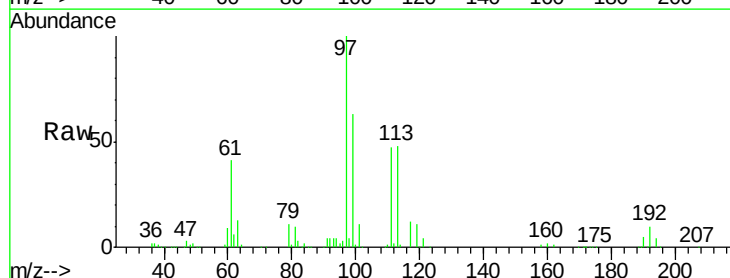
Manual Integrations
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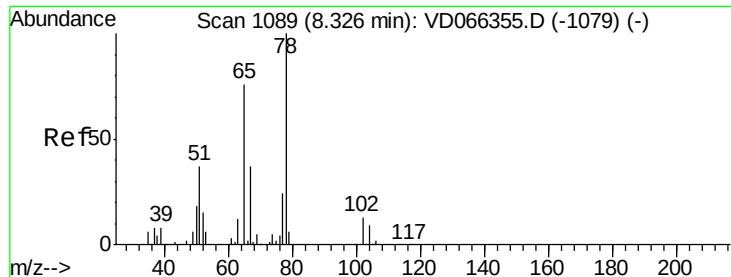
MMDadoda
8/24/2020 4:36:48 PM



#32
1,1,1-Trichloroethane
Concen: 99.014 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.5	77.3
61	41.3	33.3	49.9





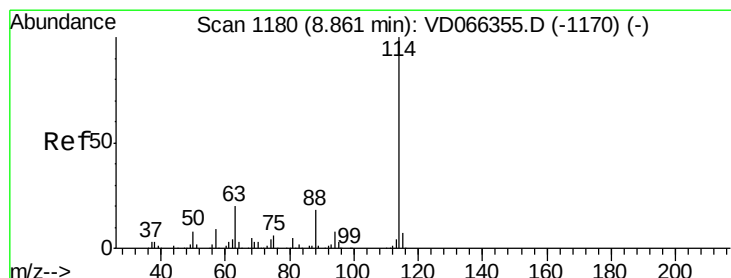
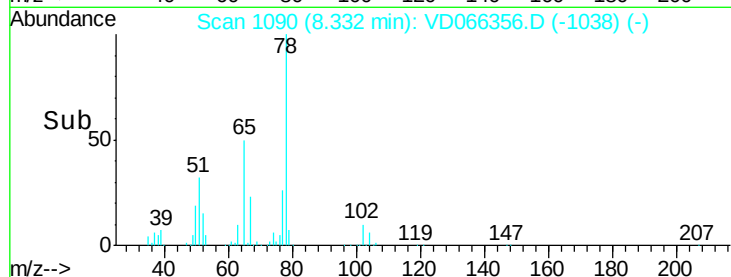
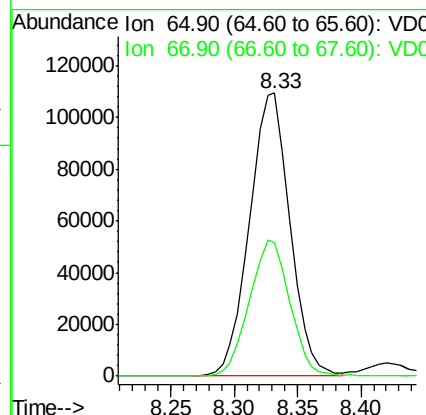
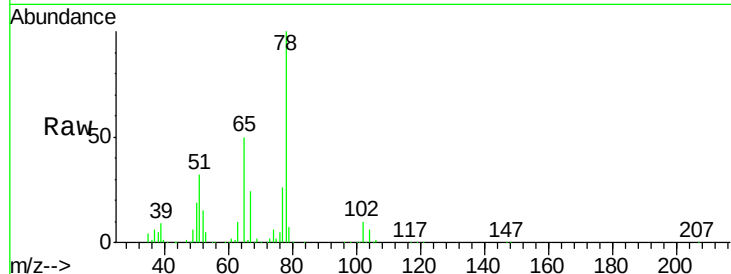
#33
 1,2-Dichloroethane-d4
 Concen: 105.261 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	243686		
67	48.1	0.0	101.6	

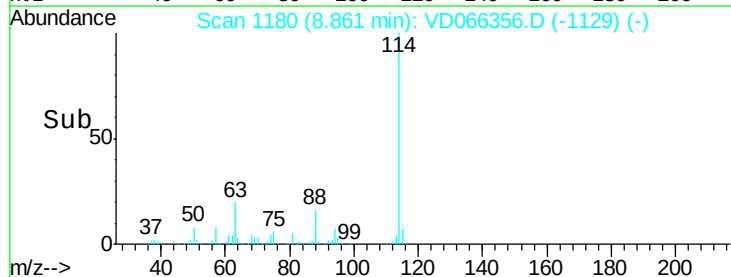
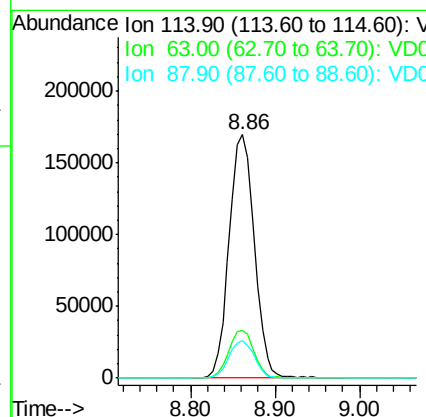
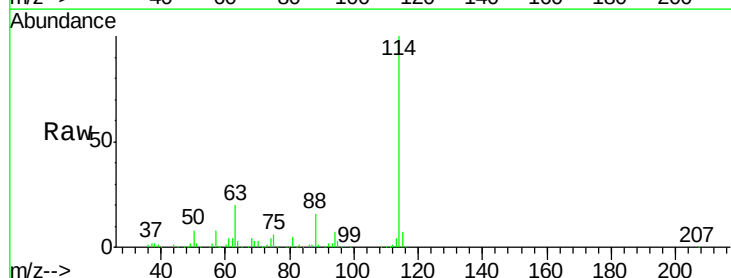
Manual Integrations
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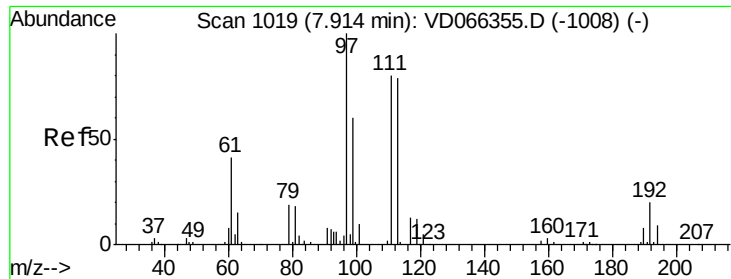
MMDadoda
 8/24/2020 4:36:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	350587		
63	19.7	0.0	40.8	
88	15.5	0.0	35.4	





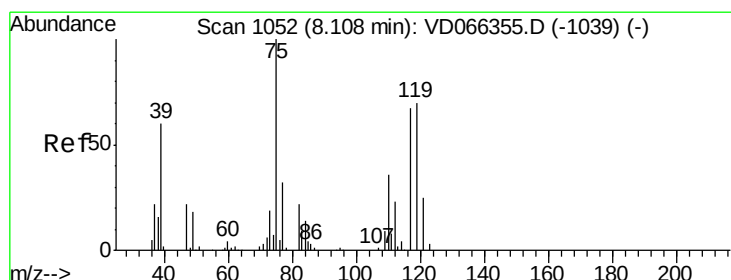
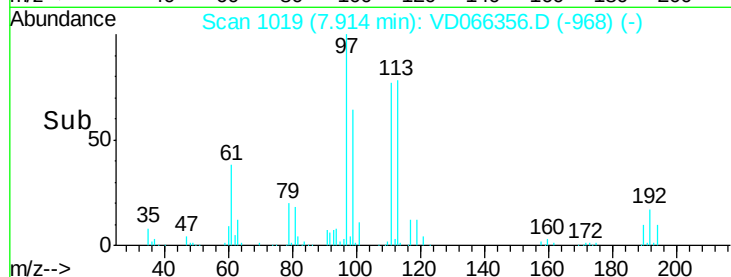
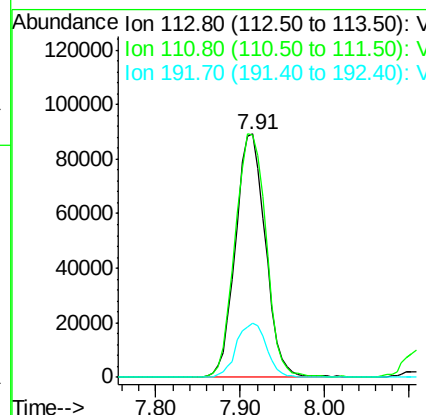
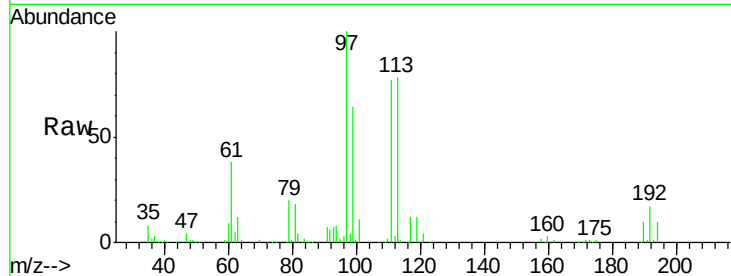
#35
Dibromofluoromethane
Concen: 99.125 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	217902		
111	104.0		80.3	120.5
192	22.5		19.0	28.6

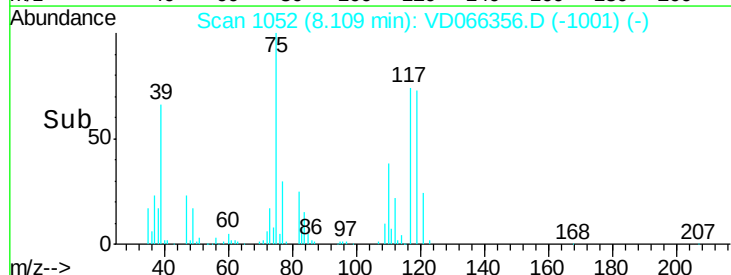
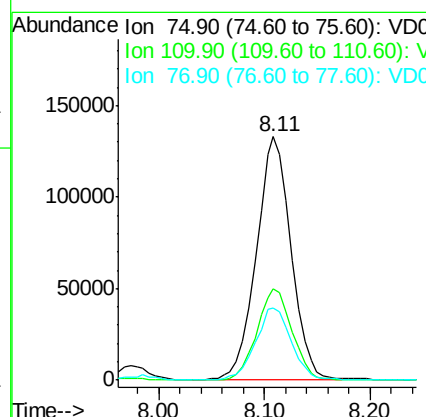
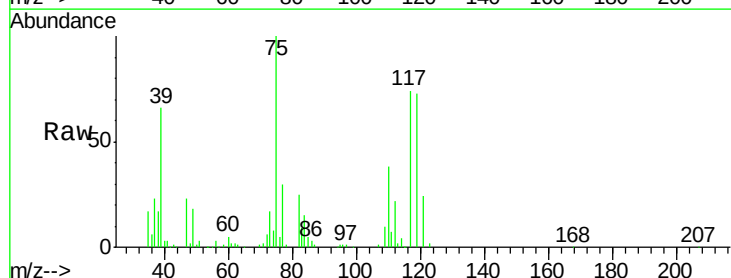
Manual Integrations
APPROVED

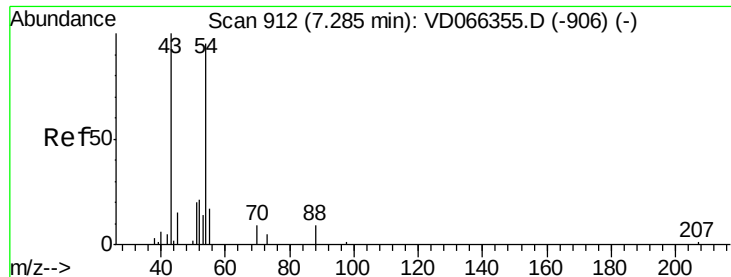
MMDadoda
8/24/2020 4:36:48 PM



#36
1,1-Dichloropropene
Concen: 91.547 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	304227		
110	38.1		18.7	56.1
77	30.7		25.2	37.8





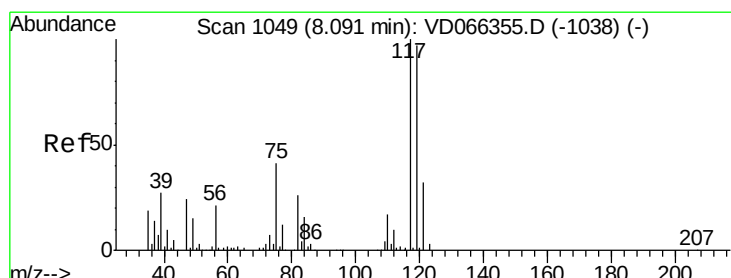
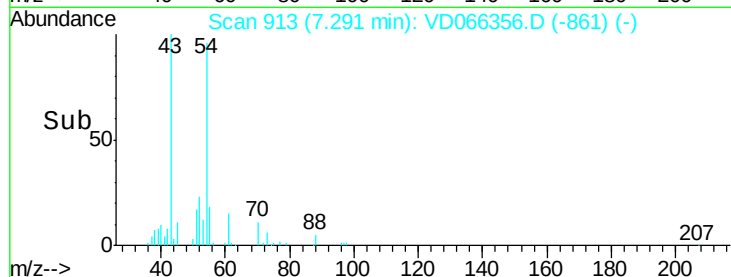
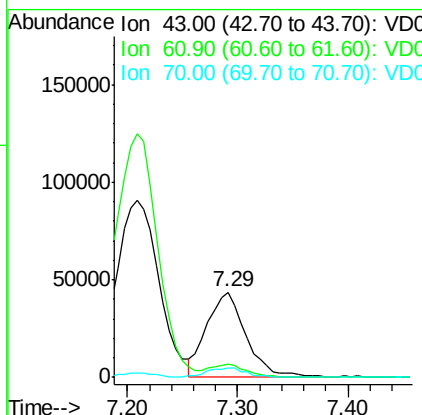
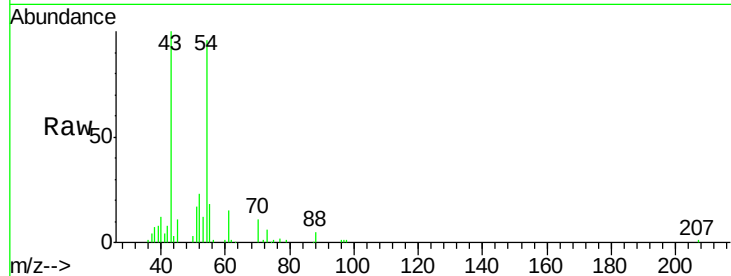
#37
Ethyl Acetate
Concen: 92.698 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	13.3	19.9
70	11.5	3.5	5.3

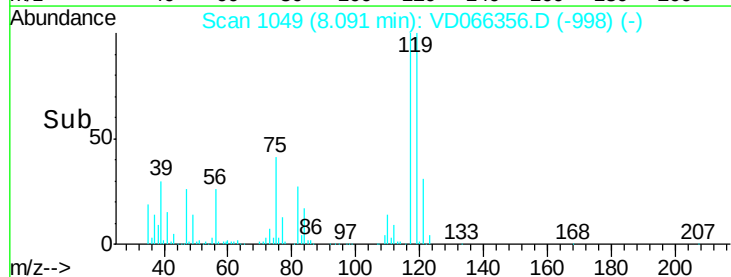
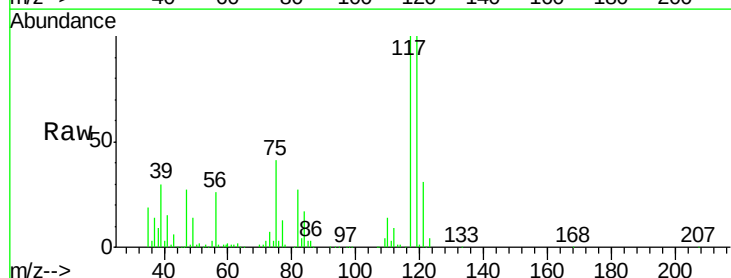
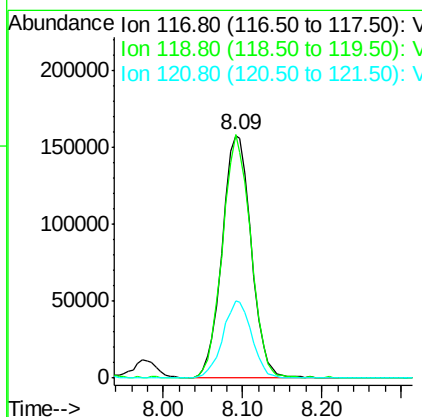
Manual Integrations
APPROVED

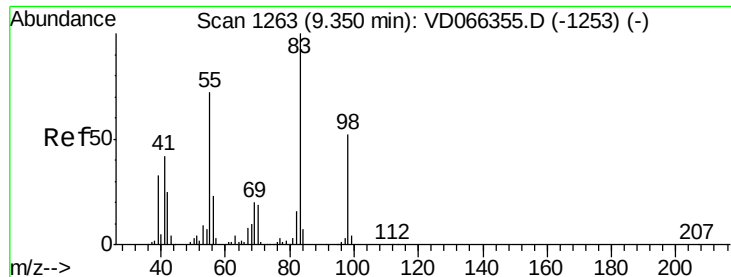
MMDadoda
8/24/2020 4:36:48 PM



#38
Carbon Tetrachloride
Concen: 91.980 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	77.2	115.8
121	31.5	25.8	38.8





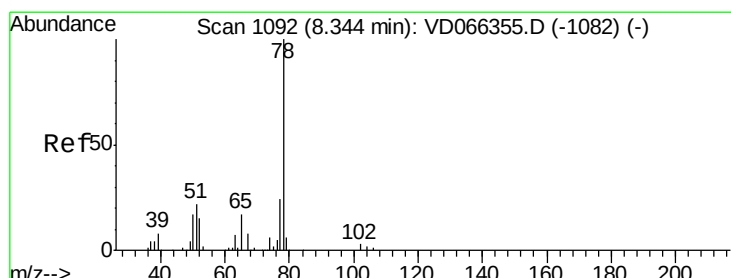
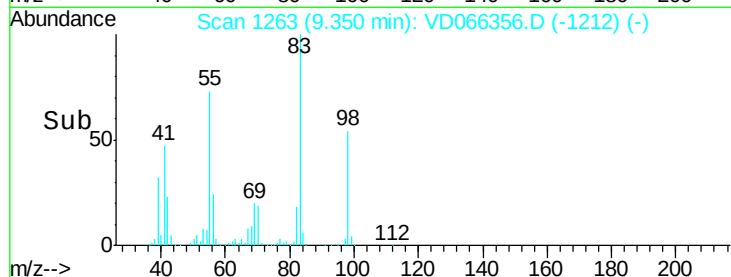
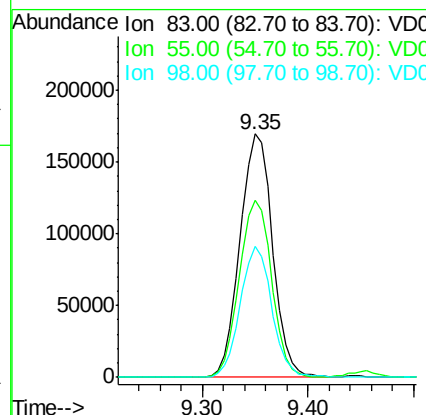
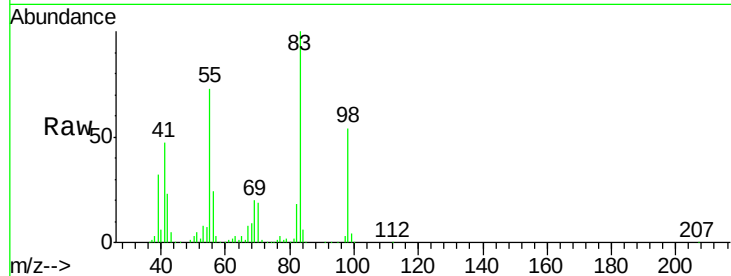
#39
Methylvlcyclohexane
Concen: 93.849 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	362963		
55	72.9		58.0	87.0
98	54.0		41.9	62.9

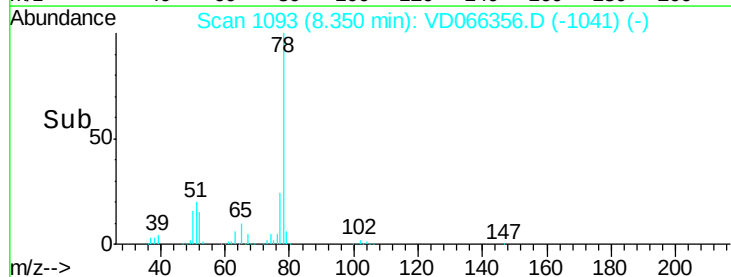
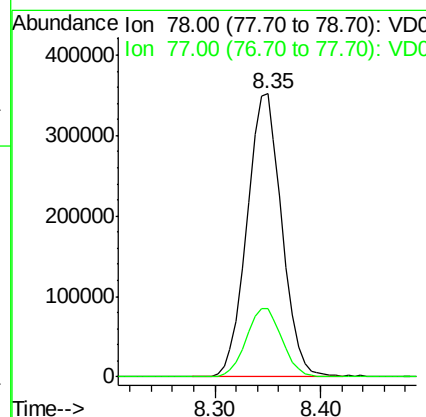
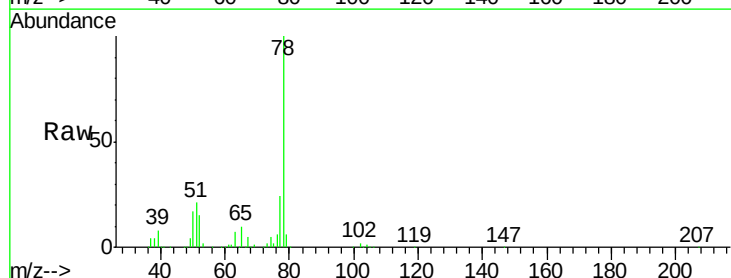
Manual Integrations
APPROVED

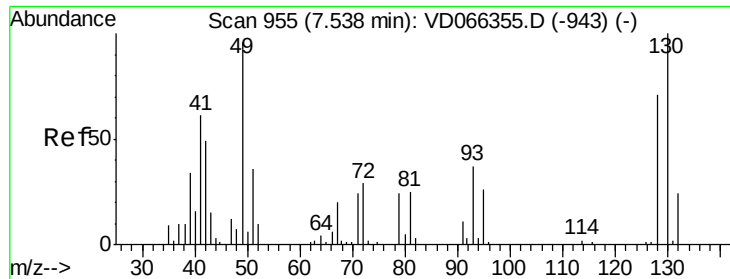
MMDadoda
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#40
Benzene
Concen: 92.695 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	807085		
77	24.2		18.8	28.2





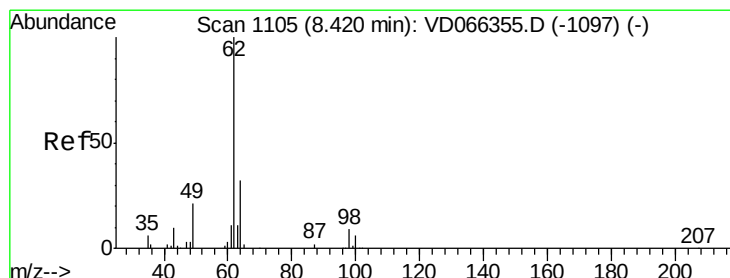
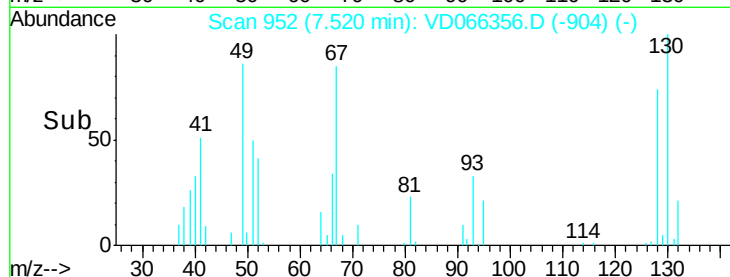
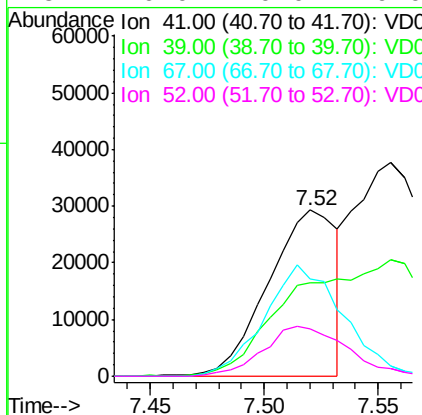
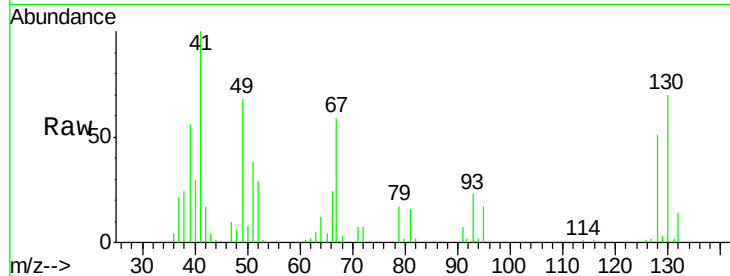
#41
Methacrylonitrile
Concen: 94.756 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.02 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
41	100	61780		
39	143.7		51.8	77.8#
67	0.0		0.0	0.0
52	0.0		0.0	0.0

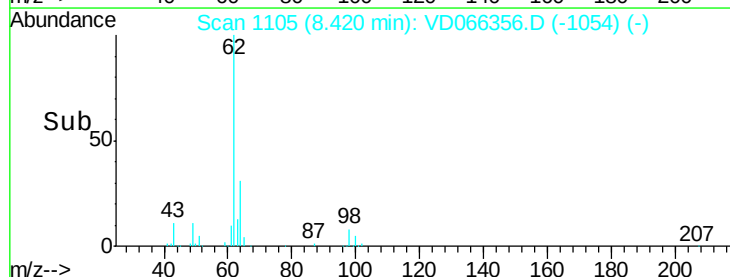
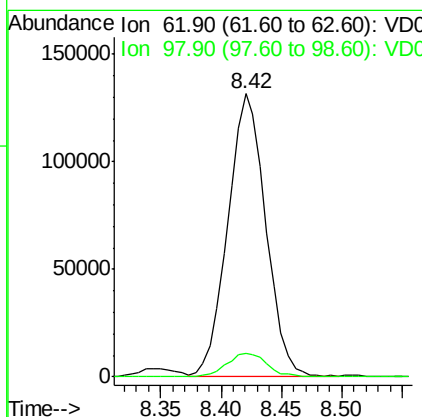
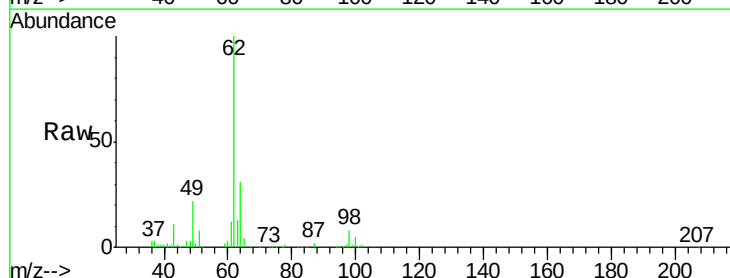
Manual Integrations
APPROVED

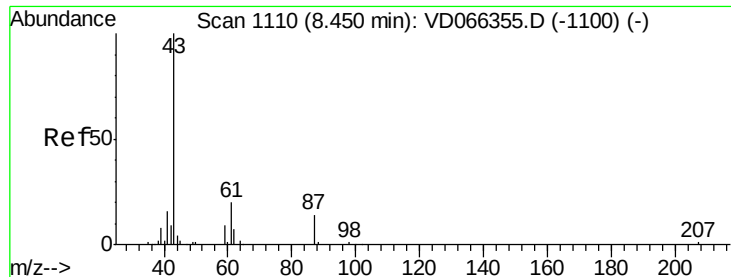
MMDadoda
8/24/2020 4:36:48 PM



#42
1,2-Dichloroethane
Concen: 95.346 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	285918		
98	8.8		0.0	16.2





#43

Isopropyl Acetate

Concen: 101.223 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

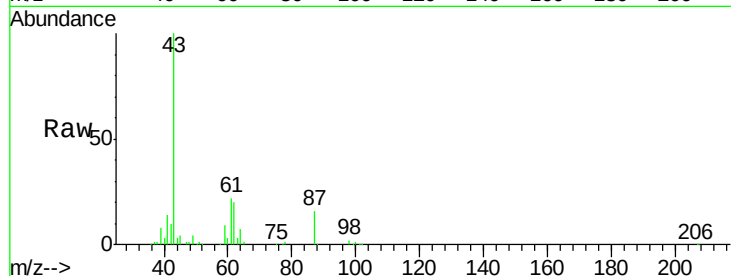
ClientSampleId :

VSTDIC100

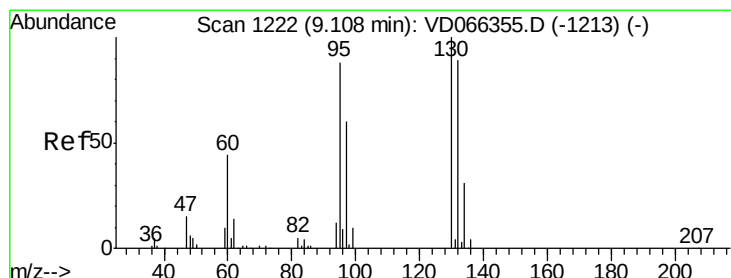
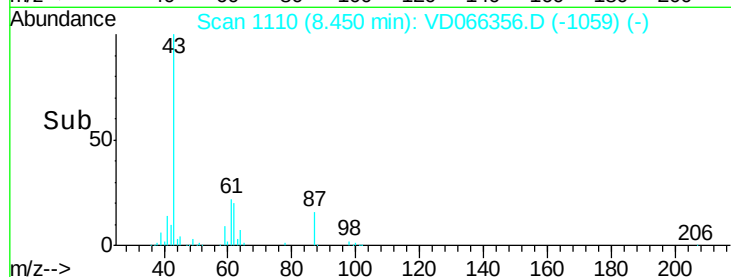
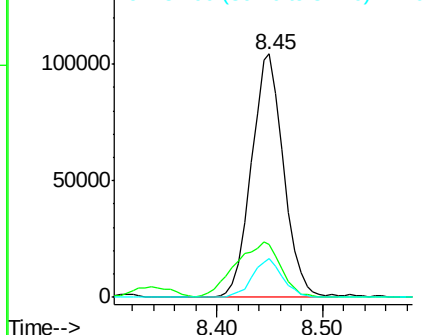
Tot Ion:	43	Resp:	219883
Ion	Ratio	Lower	Upper
43	100		
61	32.1	26.5	39.7
87	15.2	11.9	17.9

Manual Integrations
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8/24/2020 4:36:48 PM



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



#44

Trichloroethene

Concen: 90.968 ug/l

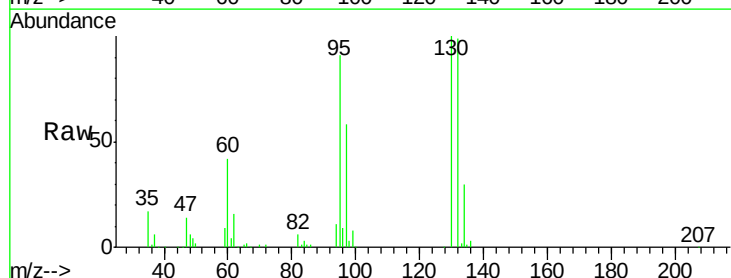
RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

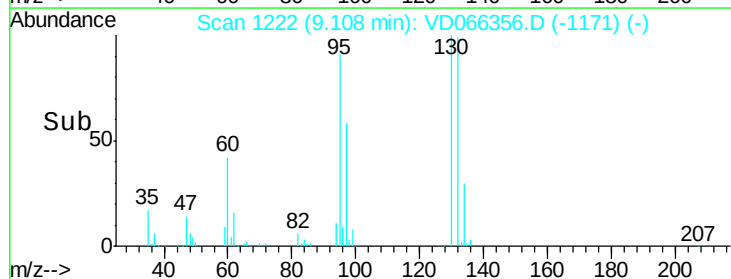
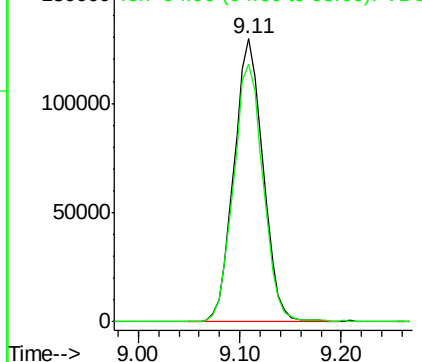
Lab File: VD066356.D

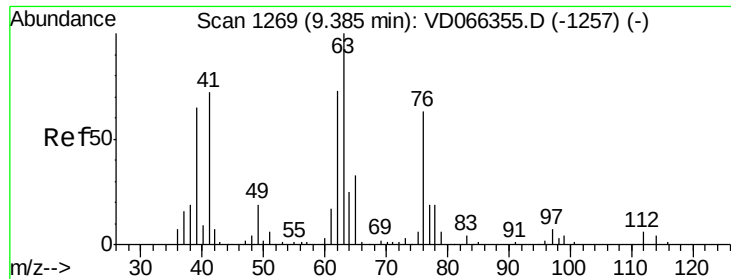
Acq: 21 Aug 2020 12:47

Tgt Ion:	130	Resp:	258952
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	175.6



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





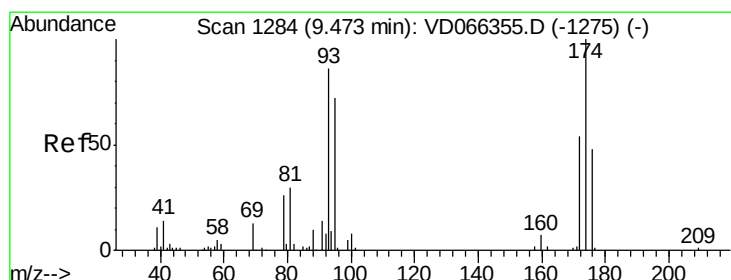
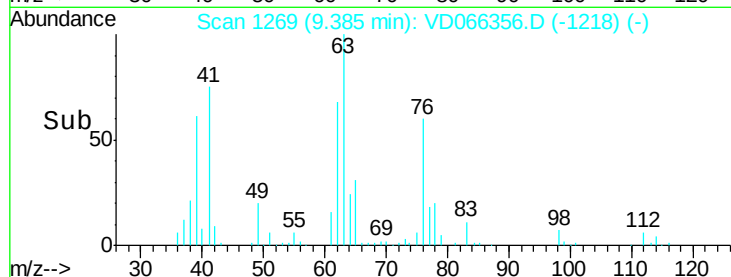
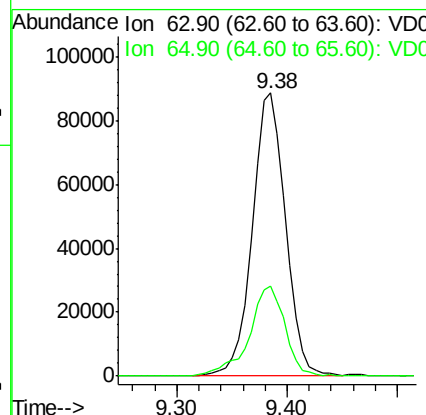
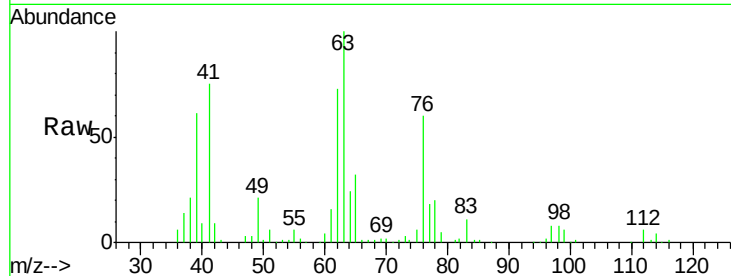
#45
 1,2-Dichloropropane
 Concen: 96.354 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 186793
 Ion Ratio Lower Upper
 63 100
 65 31.7 26.4 39.6

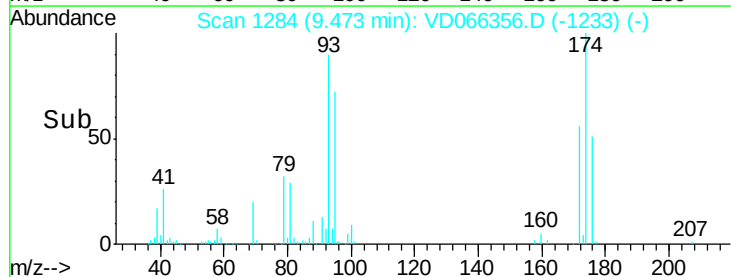
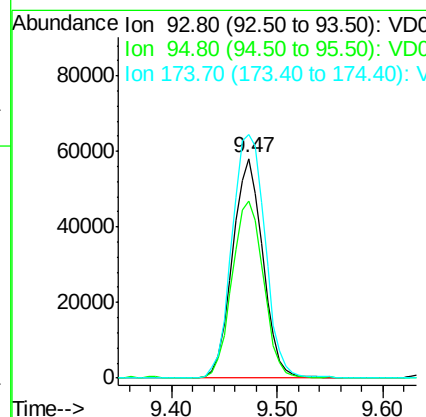
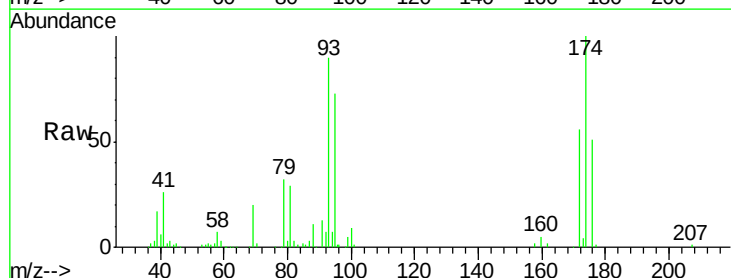
Manual Integrations
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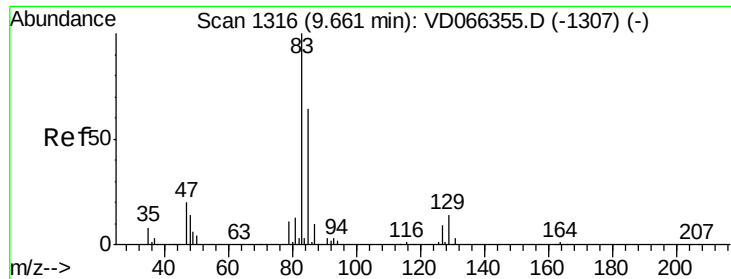
MMDadoda
 8/24/2020 4:36:48 PM



#46
 Dibromomethane
 Concen: 95.549 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Tgt Ion: 93 Resp: 115512
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.0 99.0
 174 121.5 94.6 141.8





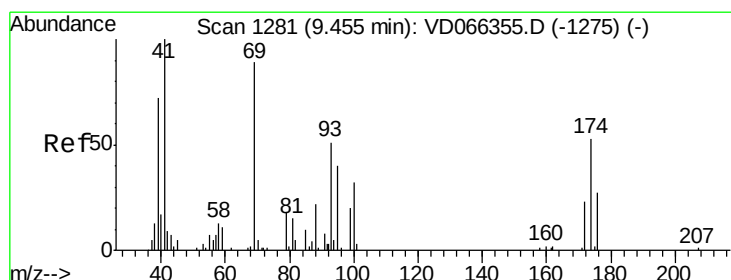
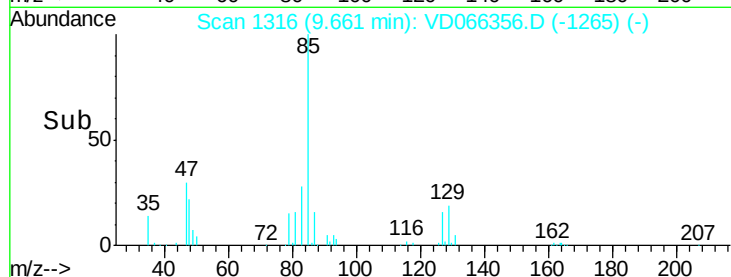
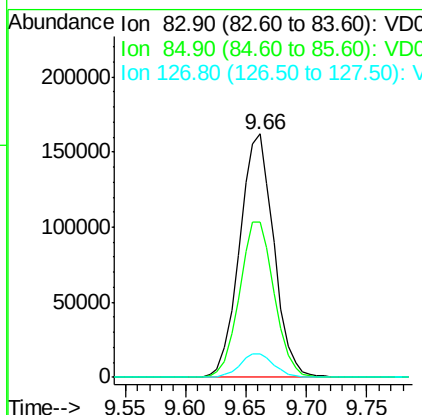
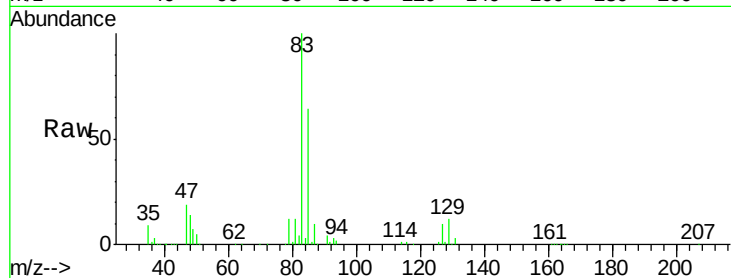
#47
Bromodichloromethane
Concen: 95.562 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	319446		
85	63.8		51.4	77.0
127	9.9		7.4	11.0

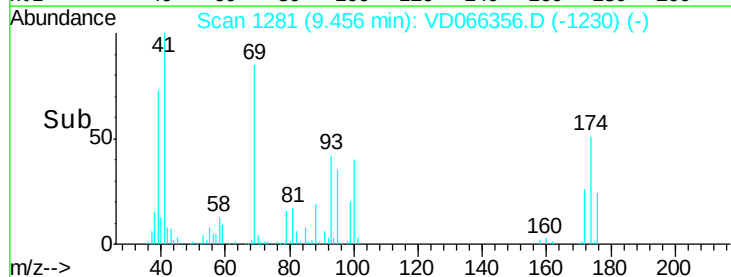
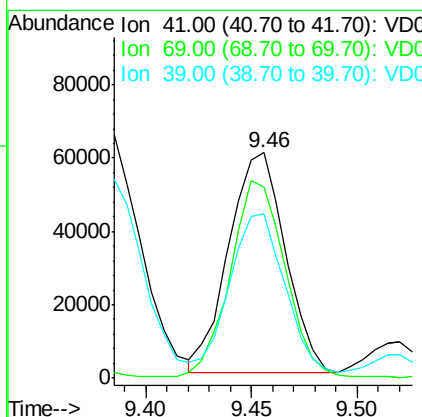
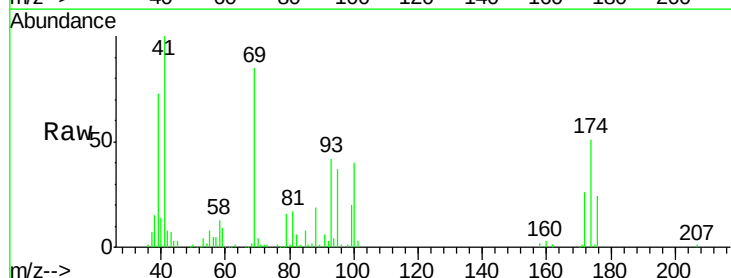
Manual Integrations
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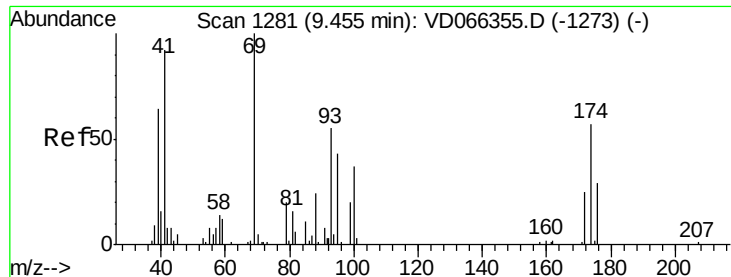
MMDadoda
8/24/2020 4:36:48 PM



#48
Methyl methacrylate
Concen: 96.631 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	110983		
69	88.9		75.5	113.3
39	70.7		57.0	85.4





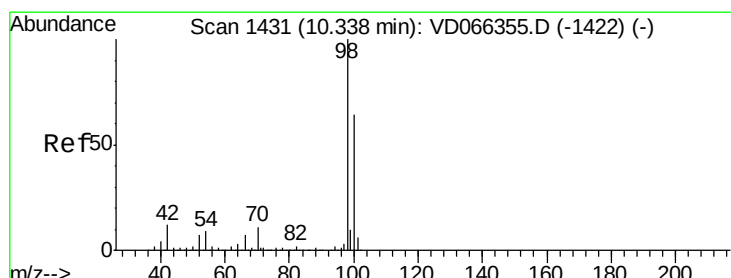
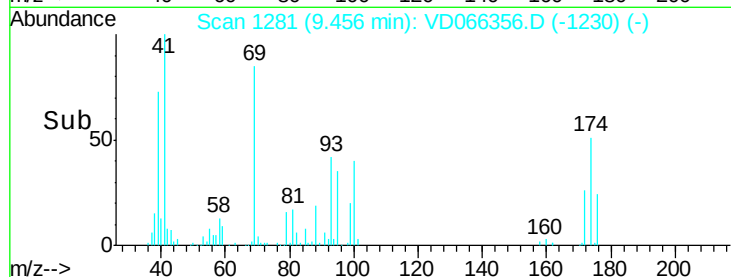
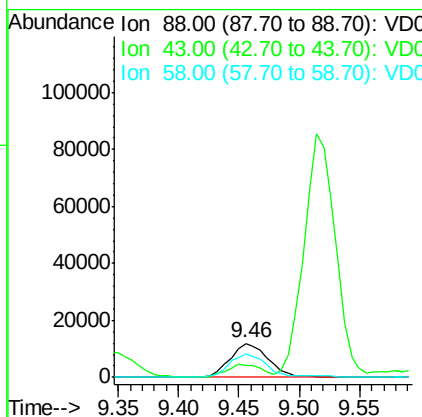
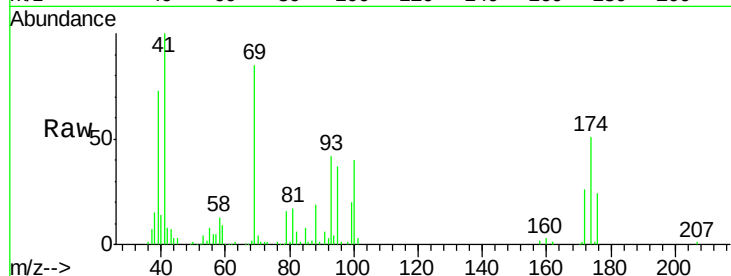
#49
1,4-Dioxane
Concen: 1872.534 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	29.4	44.0
58	65.6	45.4	68.2

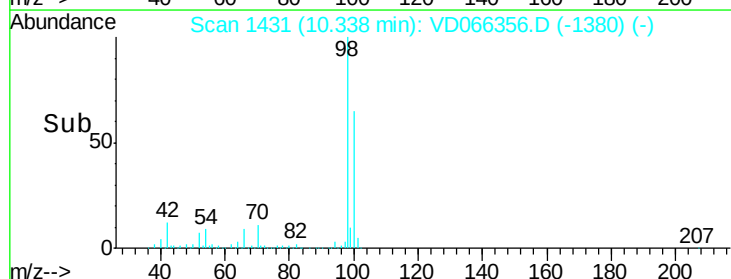
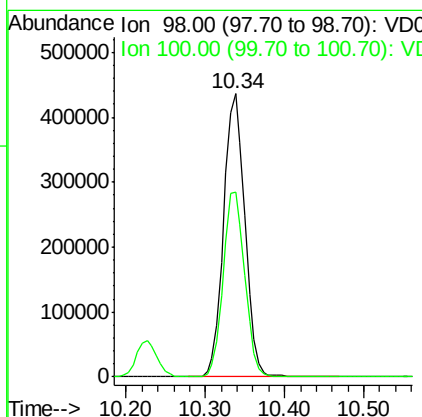
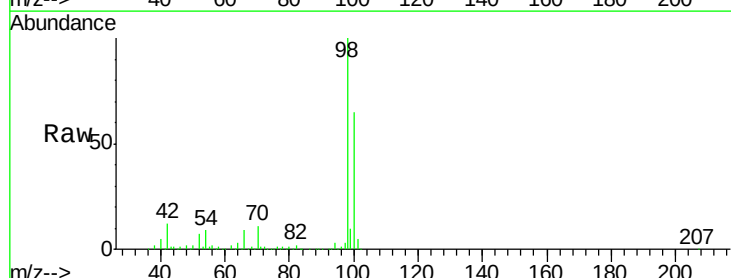
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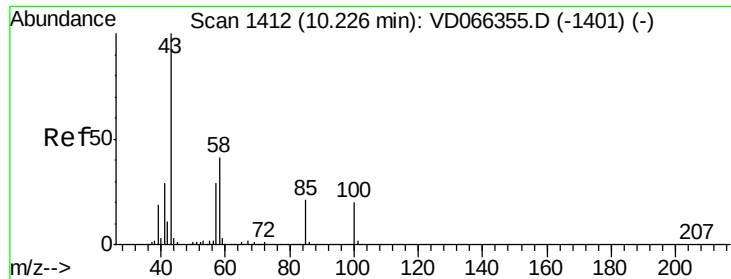
MMDadoda
8/24/2020 4:36:48 PM



#50
Toluene-d8
Concen: 101.489 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 489.207 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 528891

Ion Ratio Lower Upper

43 100

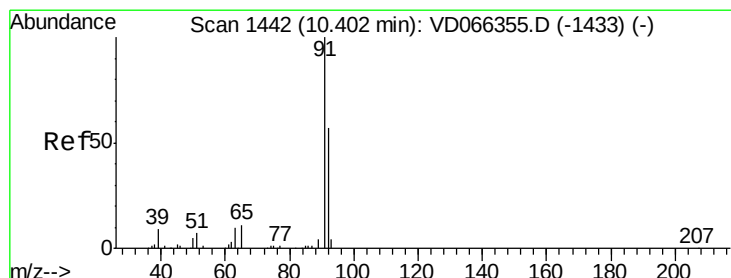
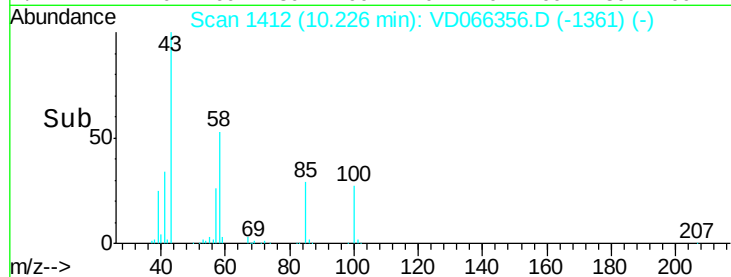
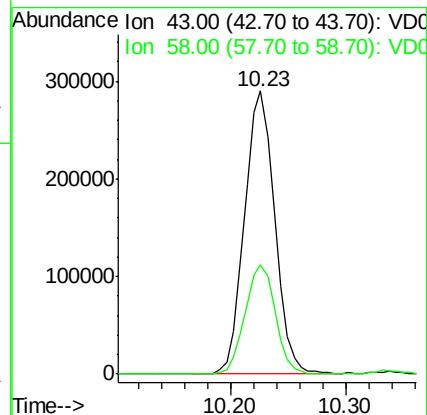
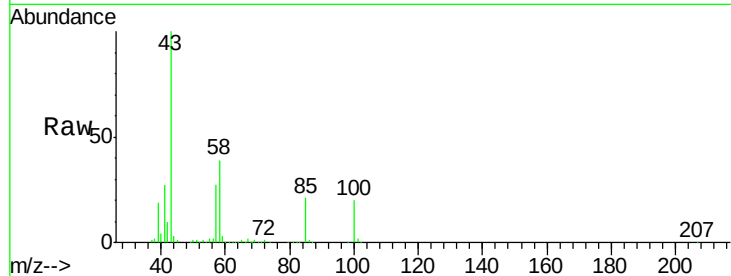
58 38.9 31.4 47.2

Manual Integrations

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MMDadoda

8/24/2020 4:36:48 PM



#52

Toluene

Concen: 94.617 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066356.D

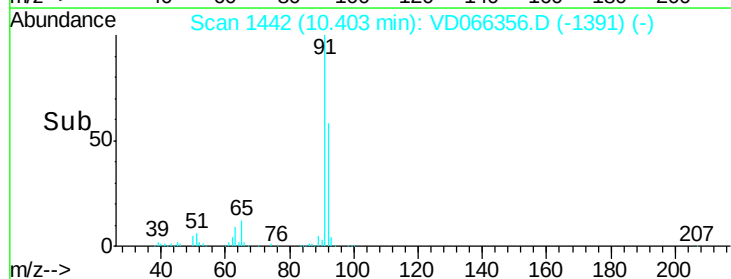
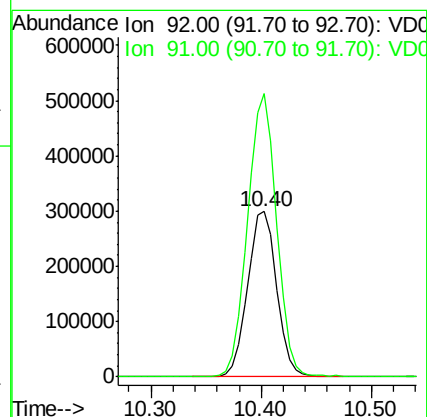
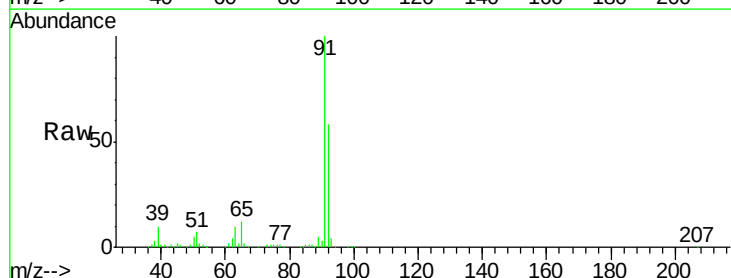
Acq: 21 Aug 2020 12:47

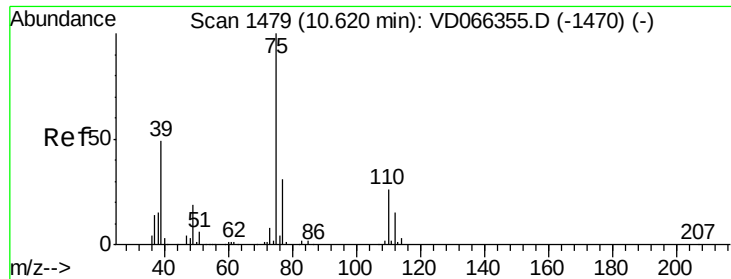
Tgt Ion: 92 Resp: 554180

Ion Ratio Lower Upper

92 100

91 171.3 135.8 203.6





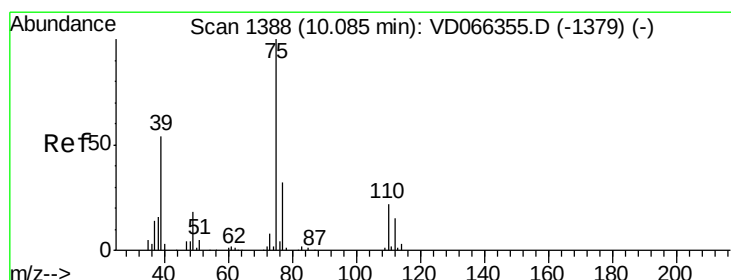
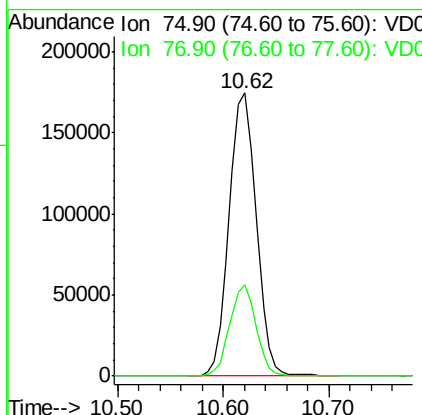
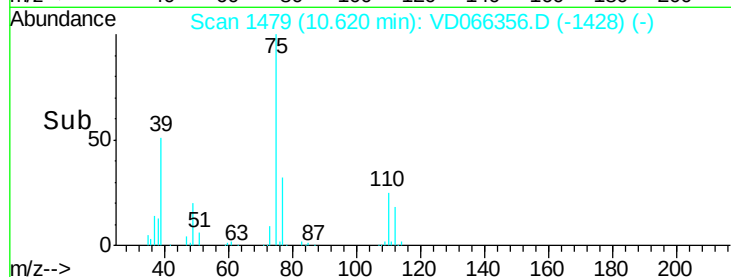
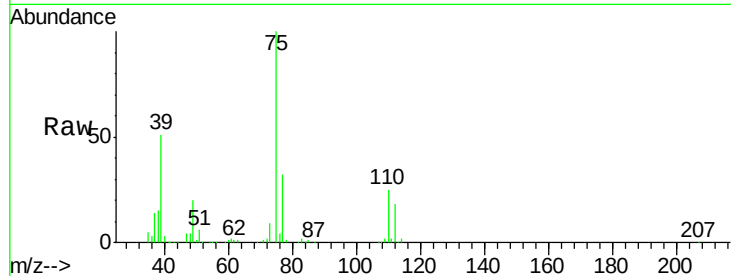
#53
t-1,3-Dichloropropene
Concen: 100.130 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 311588
Ion Ratio Lower Upper
75 100
77 32.2 24.5 36.7

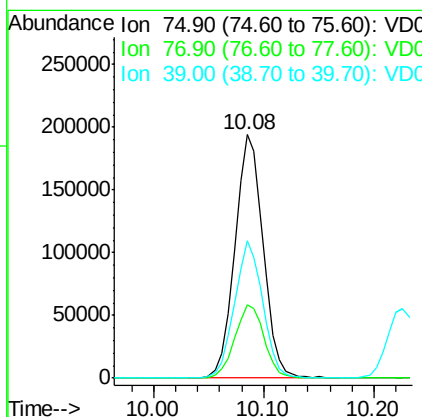
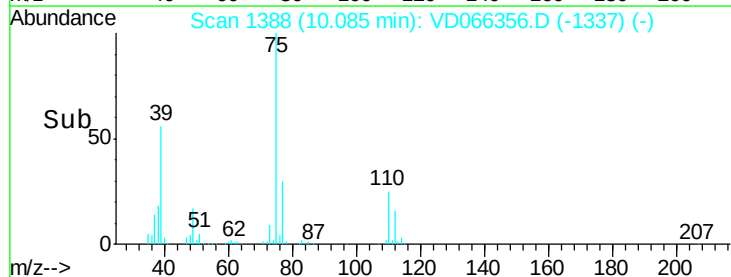
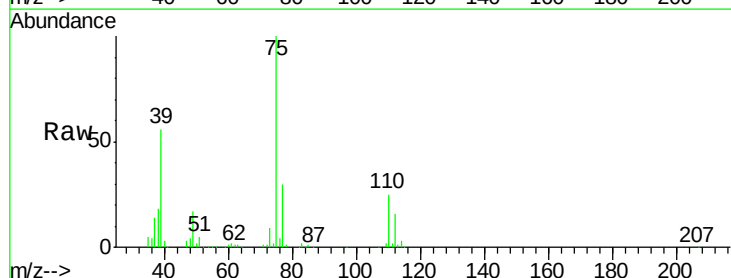
Manual Integrations
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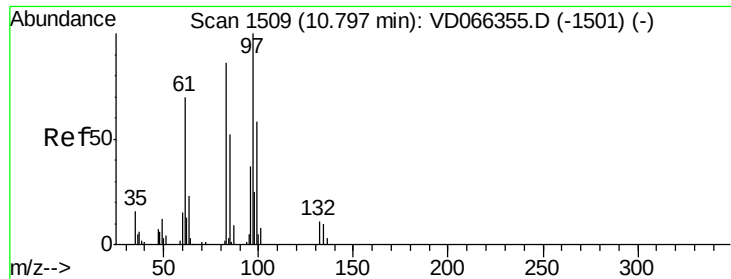
MMDadoda
8/24/2020 4:36:48 PM



#54
cis-1,3-Dichloropropene
Concen: 98.727 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion: 75 Resp: 348345
Ion Ratio Lower Upper
75 100
77 29.9 25.6 38.4
39 56.3 43.4 65.0





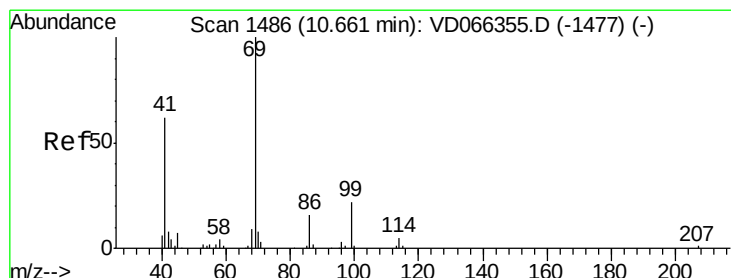
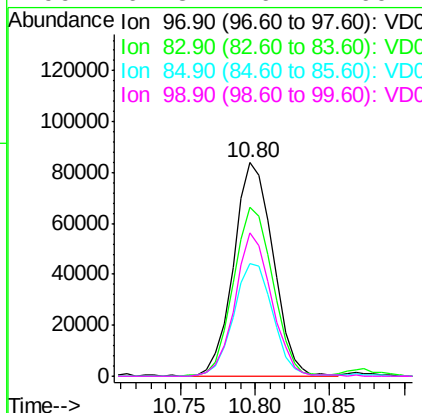
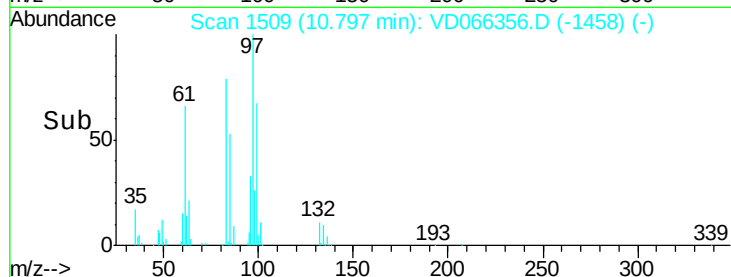
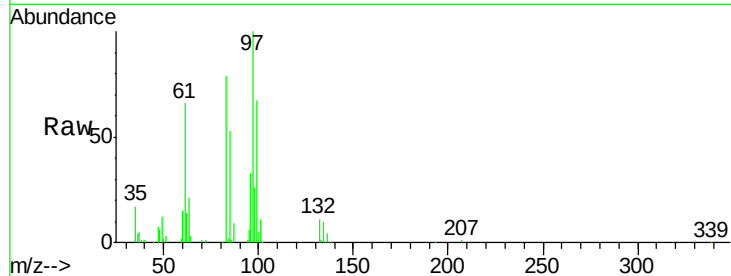
#55
 1,1,2-Trichloroethane
 Concen: 94.745 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	154239
Ion	Ratio	Lower	Upper
97	100		
83	78.6	68.4	102.6
85	53.0	41.3	61.9
99	67.3	46.1	69.1

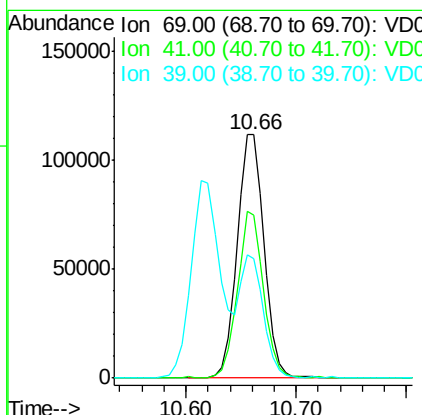
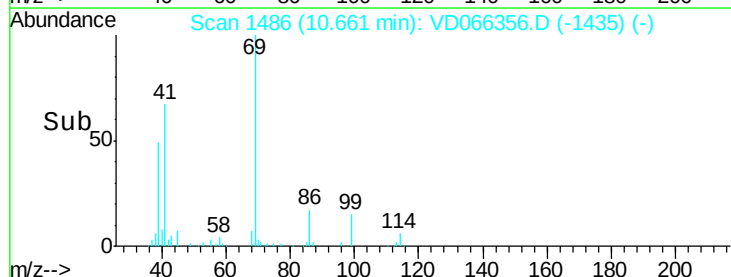
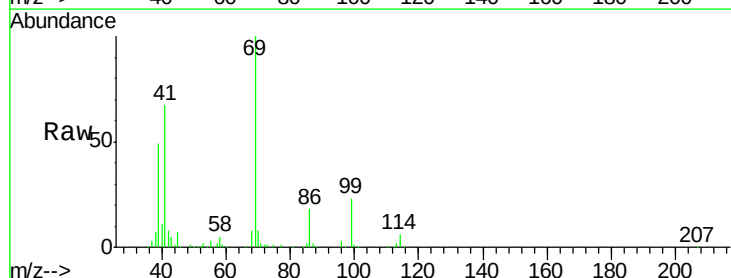
Manual Integrations
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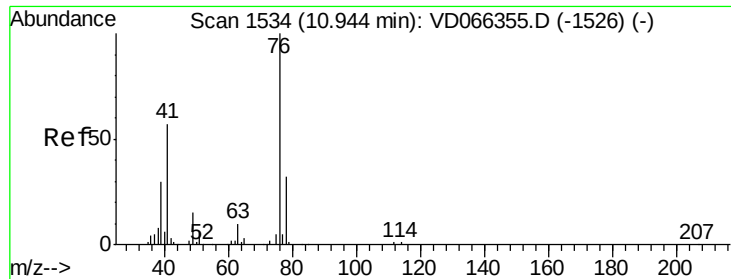
MMDadoda
 8/24/2020 4:36:48 PM



#56
 Ethyl methacrylate
 Concen: 102.090 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Tgt Ion:	69	Resp:	191737
Ion	Ratio	Lower	Upper
69	100		
41	66.2	50.8	76.2
39	42.4	32.9	49.3





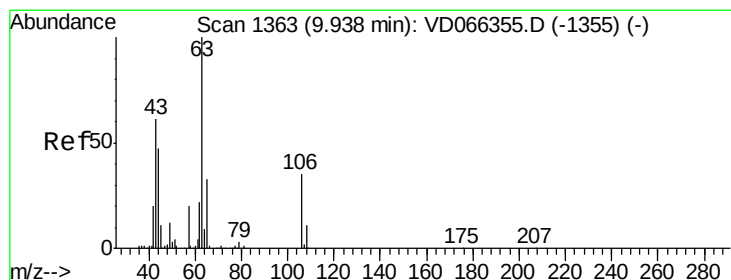
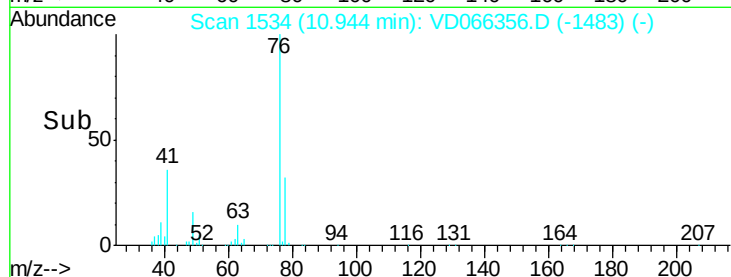
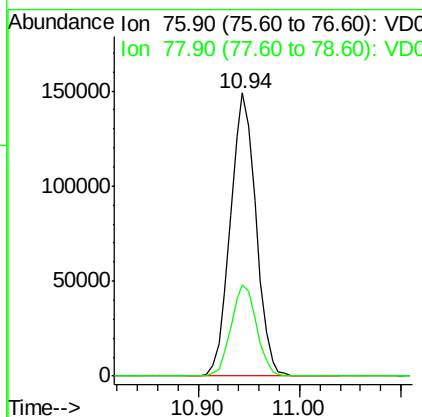
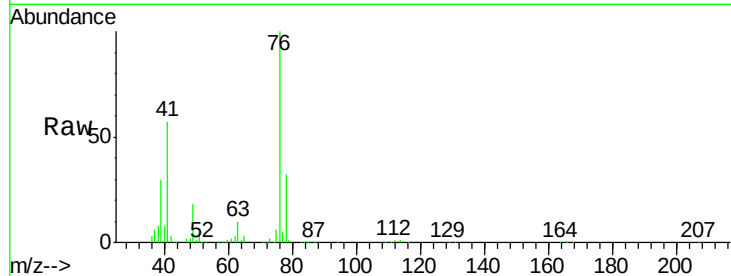
#57
 1,3-Dichloropropane
 Concen: 96.909 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.6	38.4

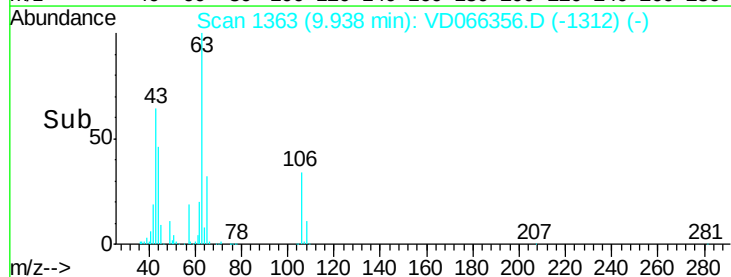
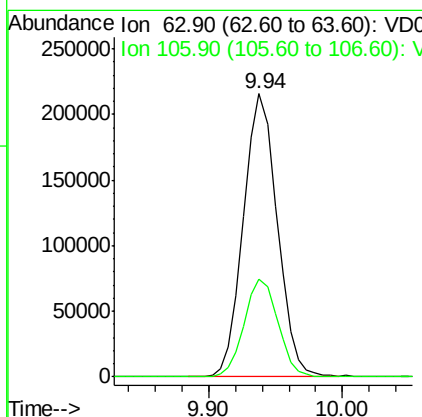
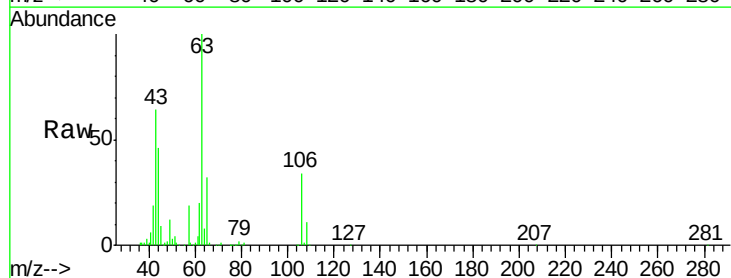
Manual Integrations
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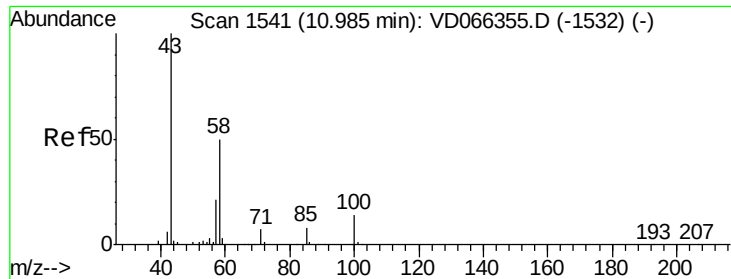
MMDadoda
 8/24/2020 4:36:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 472.332 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.4	27.1	40.7





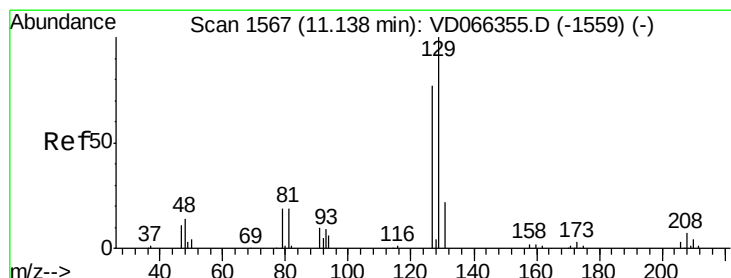
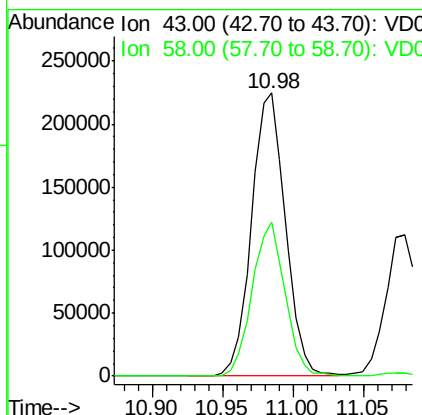
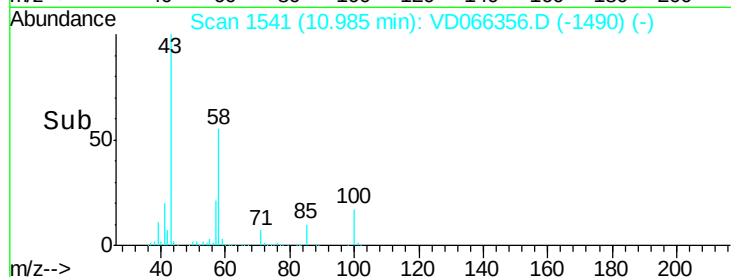
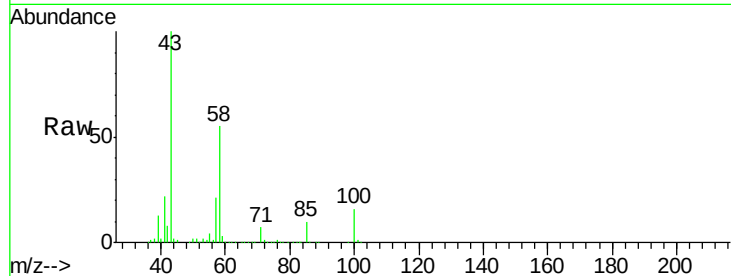
#59
2-Hexanone
Concen: 494.726 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 379680
Ion Ratio Lower Upper
43 100
58 52.9 26.3 78.8

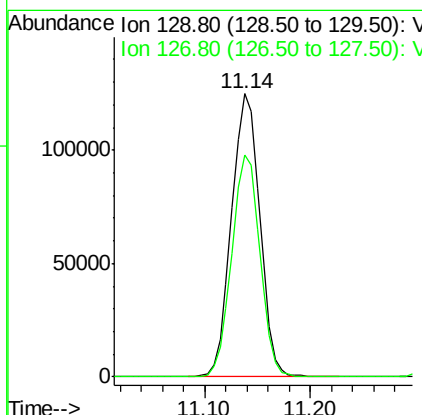
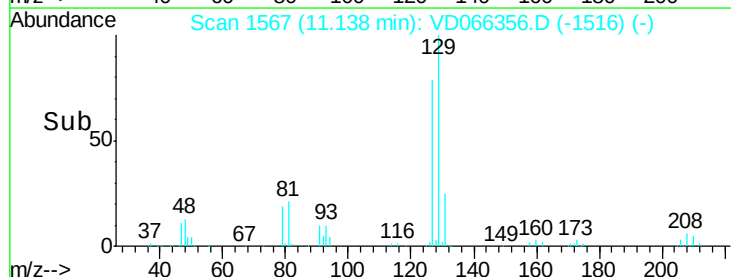
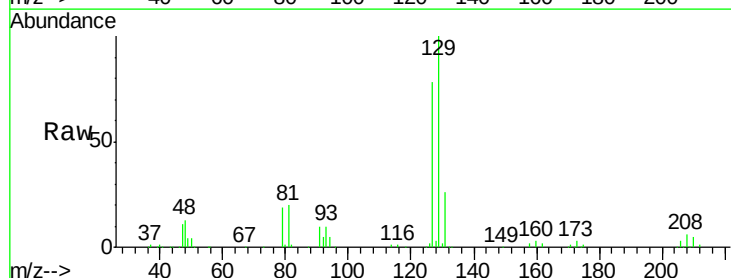
Manual Integrations
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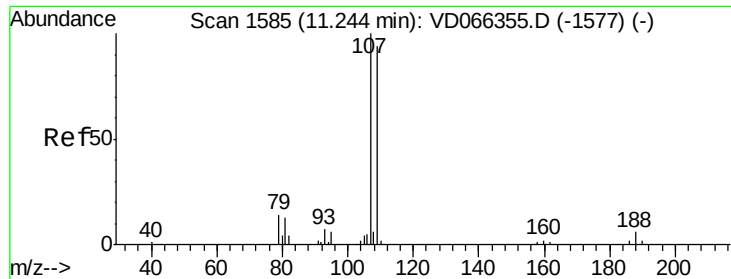
MMDadoda
8/24/2020 4:36:48 PM



#60
Dibromochloromethane
Concen: 93.348 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion: 129 Resp: 231845
Ion Ratio Lower Upper
129 100
127 77.8 39.0 117.0





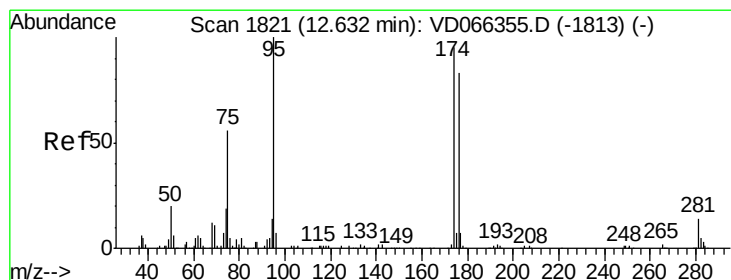
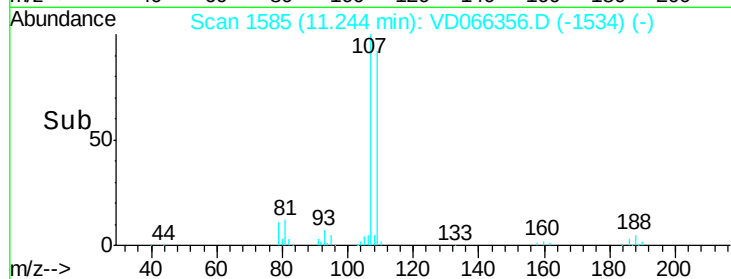
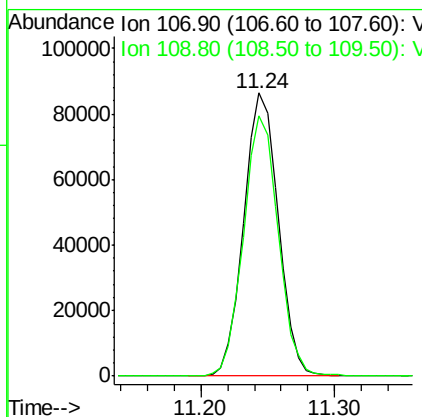
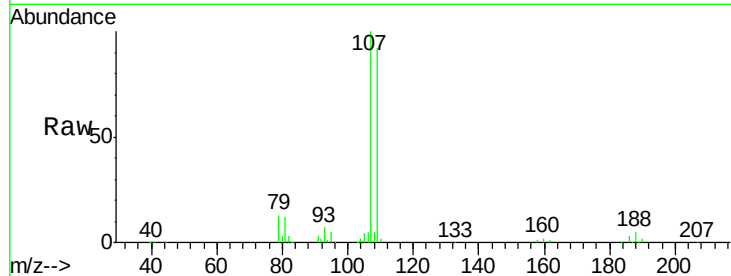
#61
 1,2-Dibromoethane
 Concen: 95.360 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	77.8	116.8

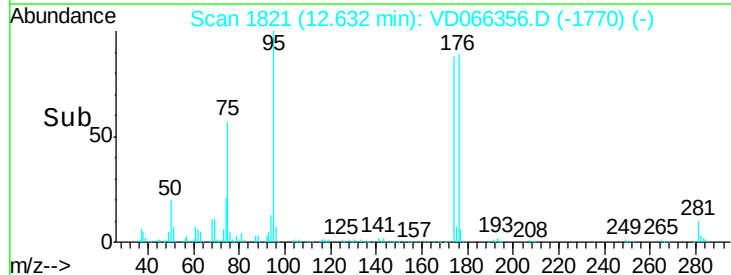
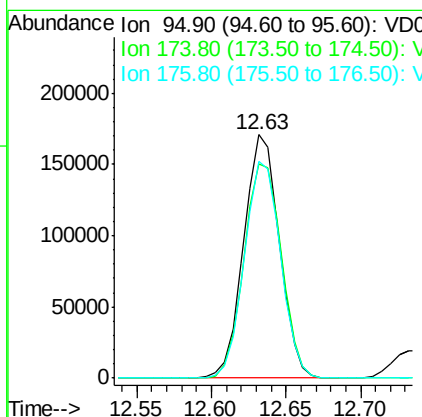
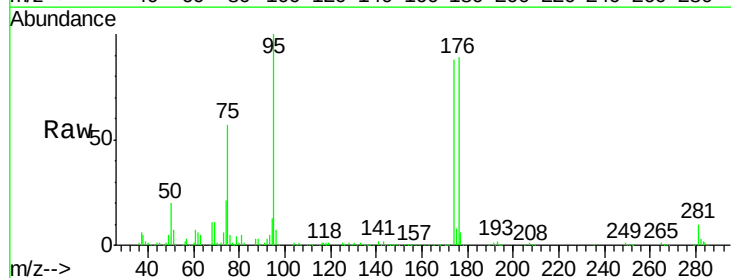
Manual Integrations
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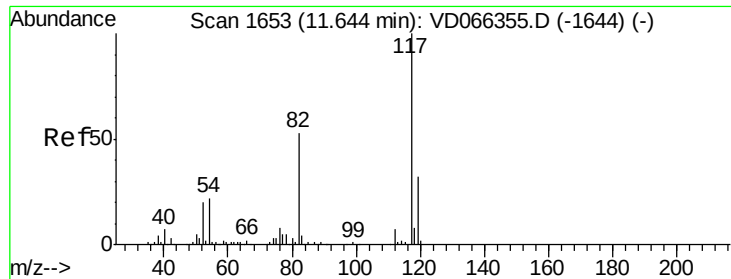
MMDadoda
 8/24/2020 4:36:48 PM



#62
 4-Bromofluorobenzene
 Concen: 97.192 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	183.4
176	90.8	0.0	173.8





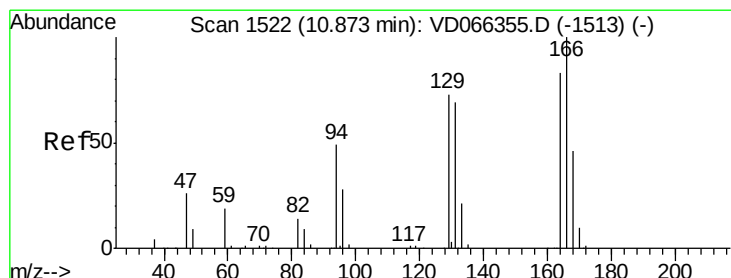
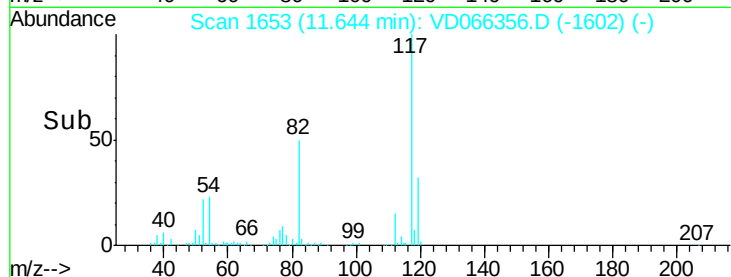
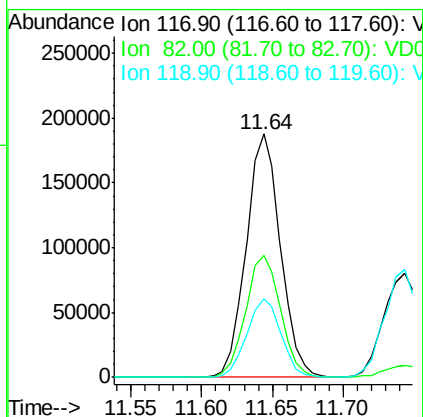
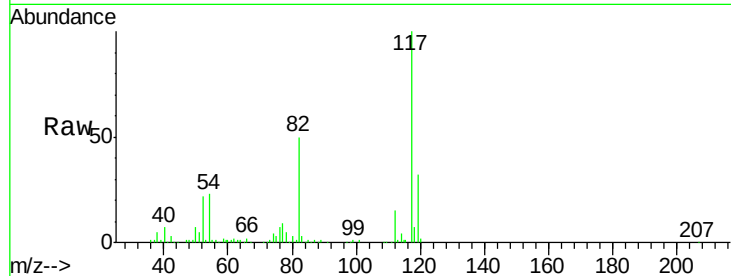
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	319099		
82	50.3		42.8	64.2
119	32.1		25.8	38.8

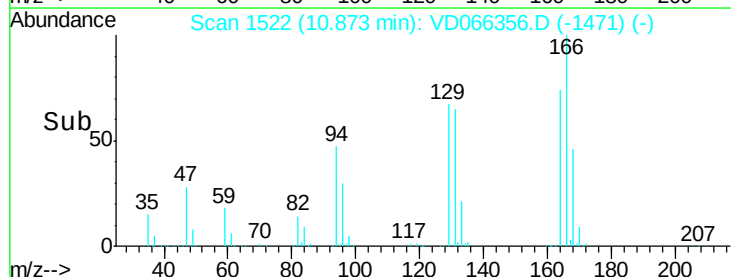
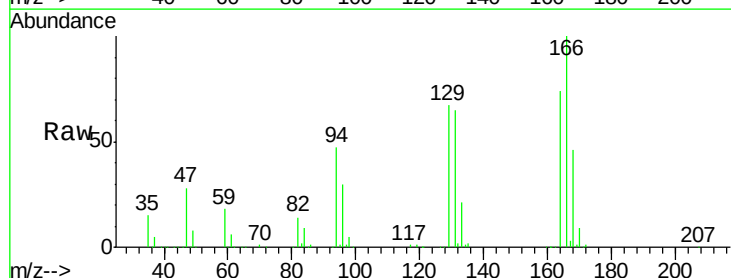
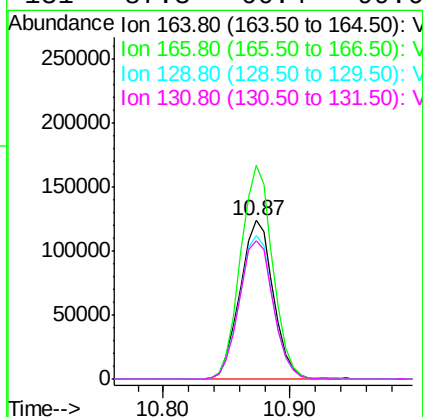
Manual Integrations
APPROVED

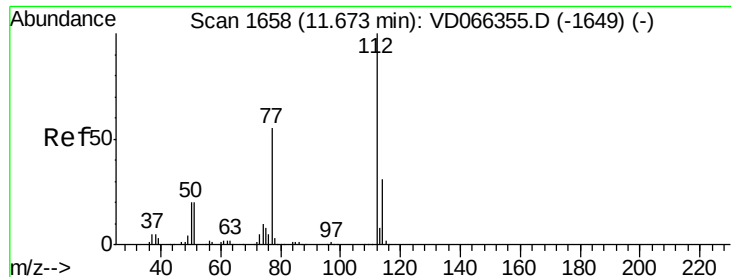
MMDadoda
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#64
Tetrachloroethene
Concen: 91.139 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	225411		
166	135.1		96.2	144.4
129	90.7		70.3	105.5
131	87.3		66.4	99.6





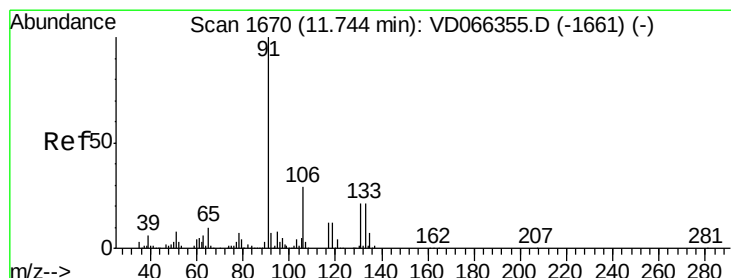
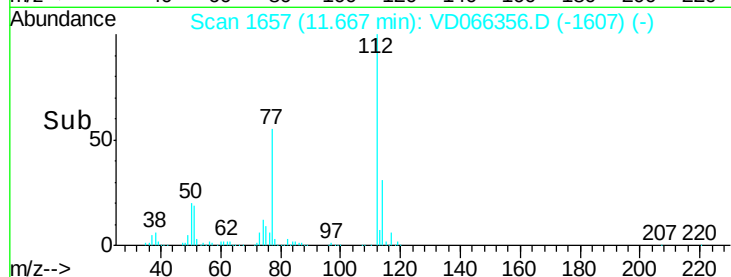
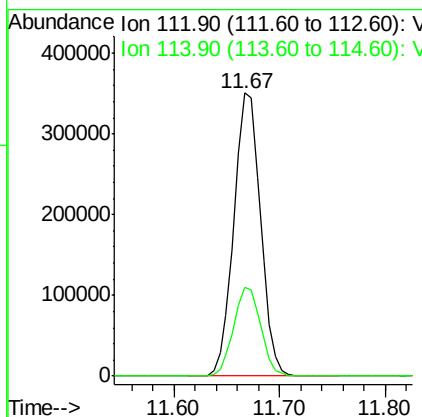
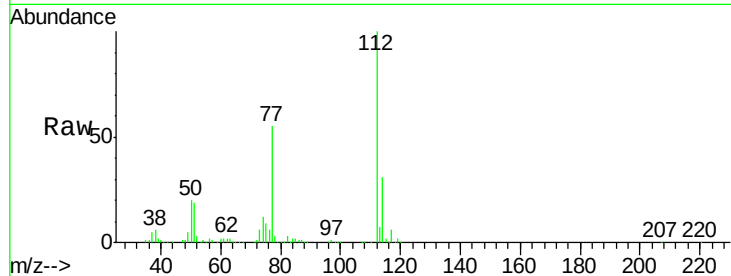
#65
Chlorobenzene
Concen: 95.000 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.1	37.7

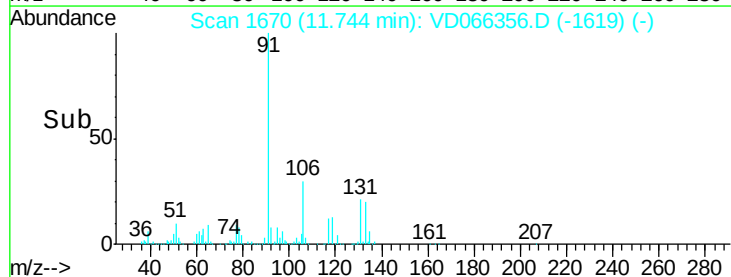
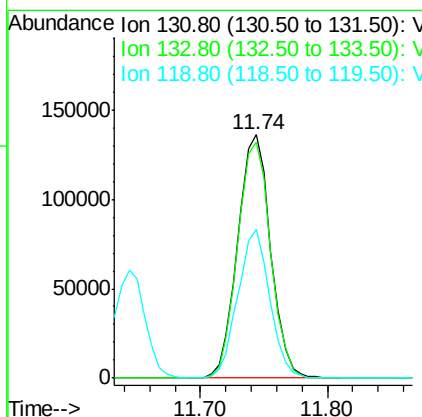
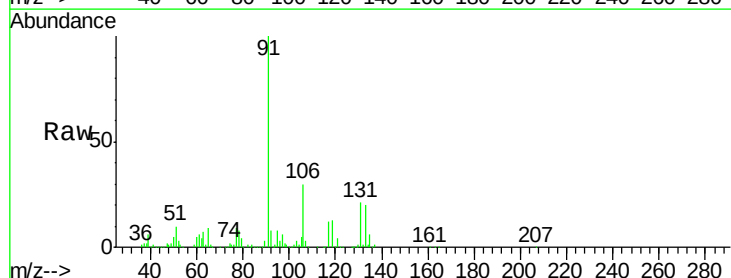
Manual Integrations
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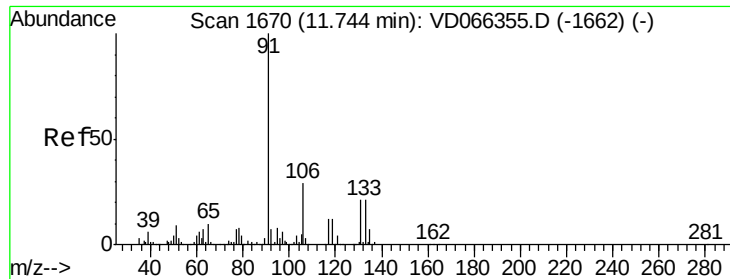
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 92.689 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	48.6	145.9
119	59.3	29.0	87.1





#67

Ethyl Benzene

Concen: 94.650 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1084989

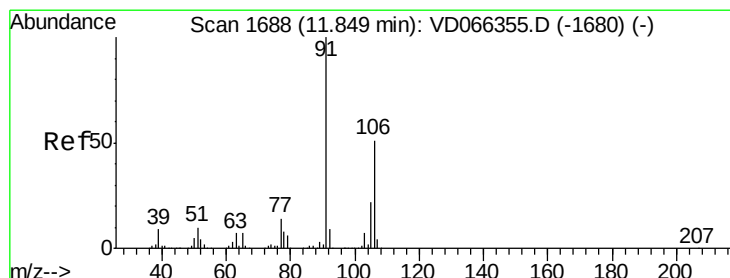
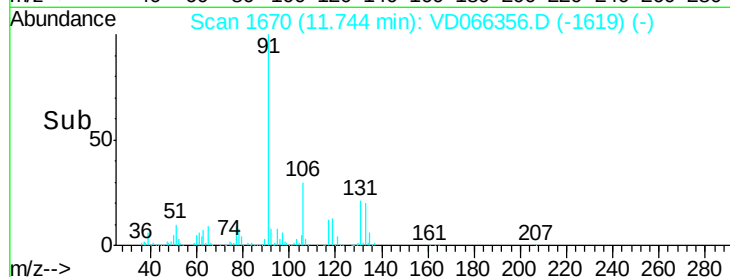
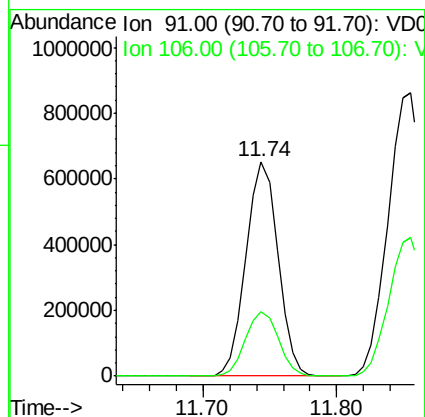
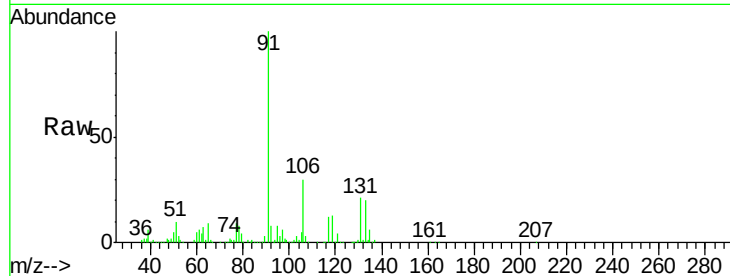
Ion Ratio Lower Upper

91 100

106 30.0 23.4 35.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 186.788 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066356.D

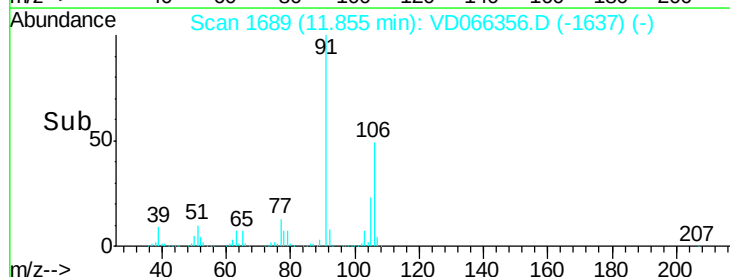
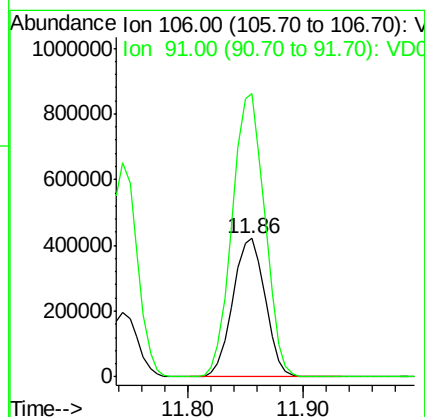
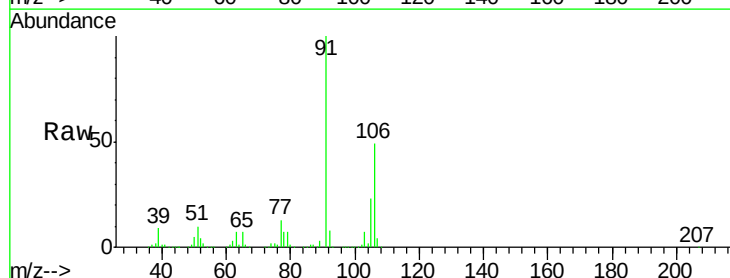
Acq: 21 Aug 2020 12:47

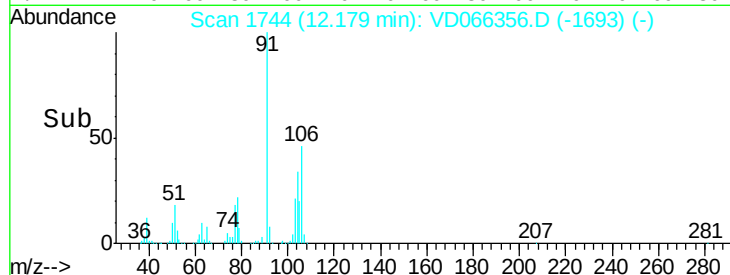
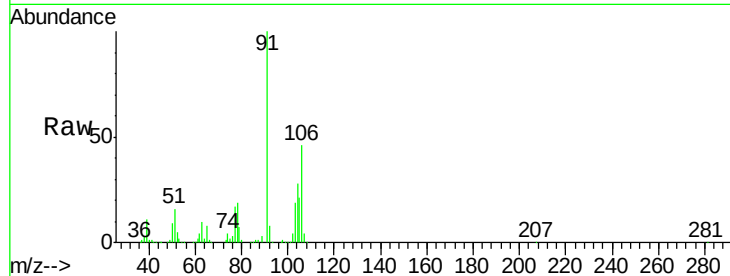
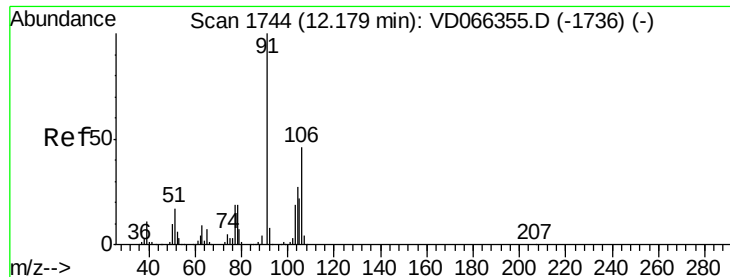
Tgt Ion: 106 Resp: 817776

Ion Ratio Lower Upper

106 100

91 206.4 160.7 241.1





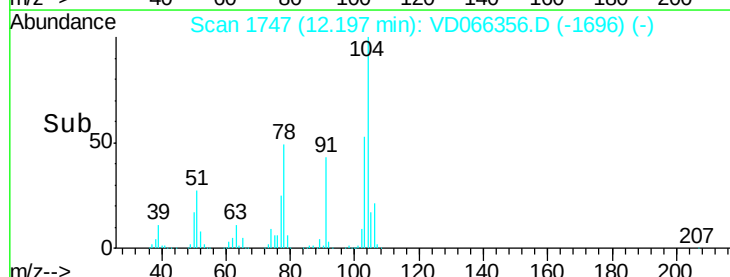
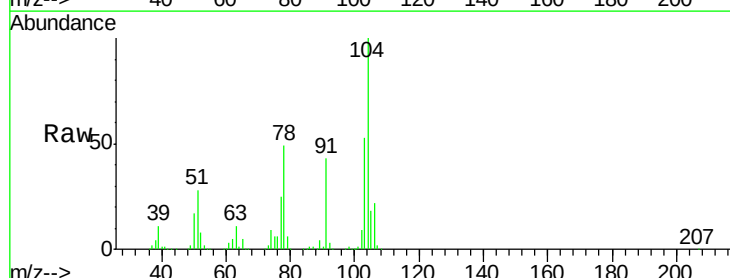
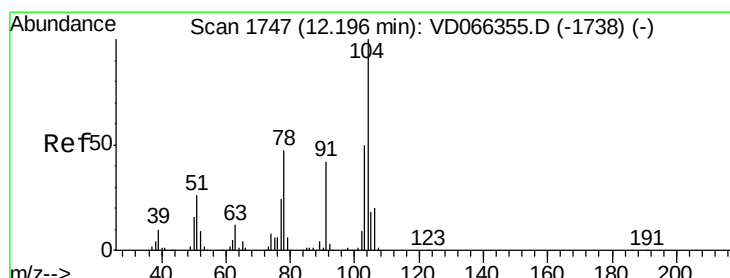
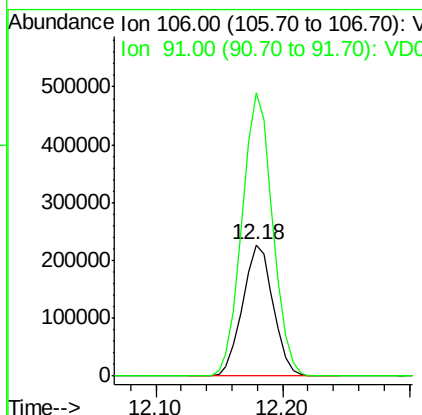
#69
o-Xylene
Concen: 94.749 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tot Ion:106 Resp: 380468
Ion Ratio Lower Upper
106 100
91 215.5 109.1 327.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

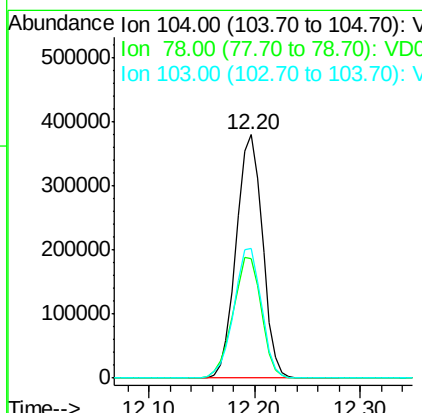
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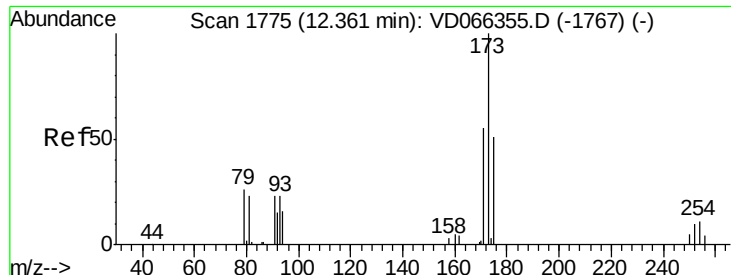
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#70
Styrene
Concen: 94.255 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion:104 Resp: 653704
Ion Ratio Lower Upper
104 100
78 53.5 41.7 62.5
103 56.1 43.5 65.3





#71

Bromoform

Concen: 93.180 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion:173 Resp: 138793

Ion Ratio Lower Upper

173 100

175 51.4 24.8 74.3

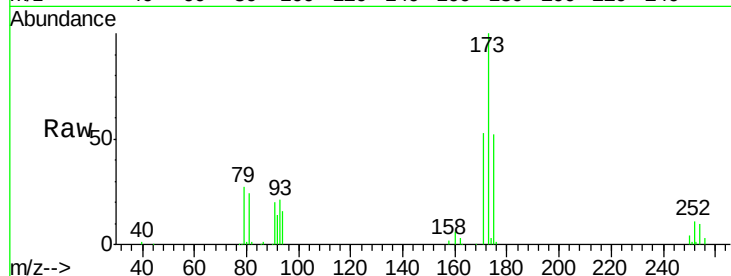
254 0.0 0.0 0.0

Manual Integrations

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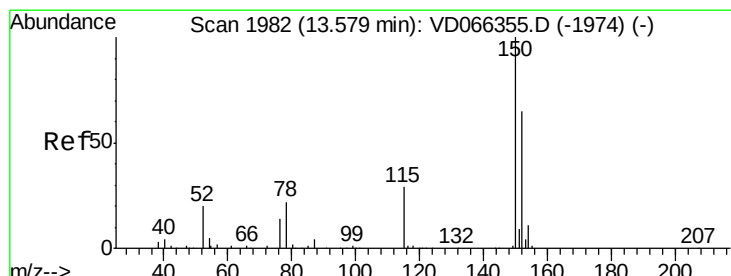
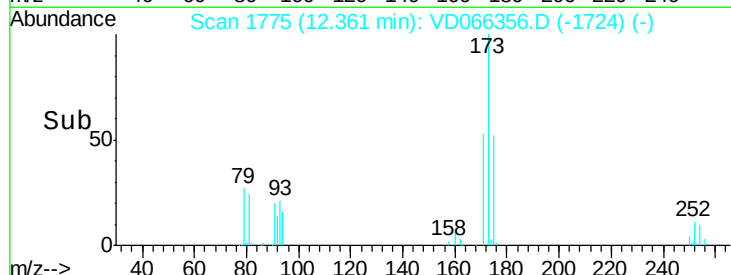
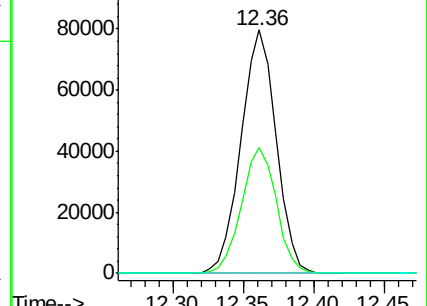
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

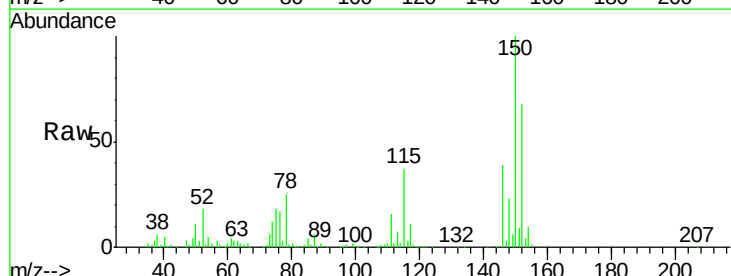
Tgt Ion:152 Resp: 163621

Ion Ratio Lower Upper

152 100

115 56.0 28.3 85.0

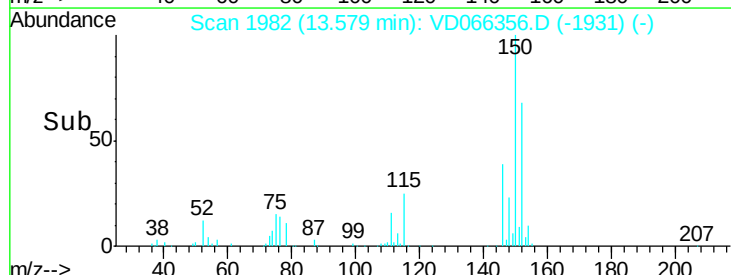
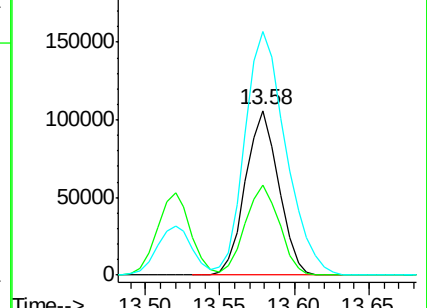
150 182.4 0.0 343.2

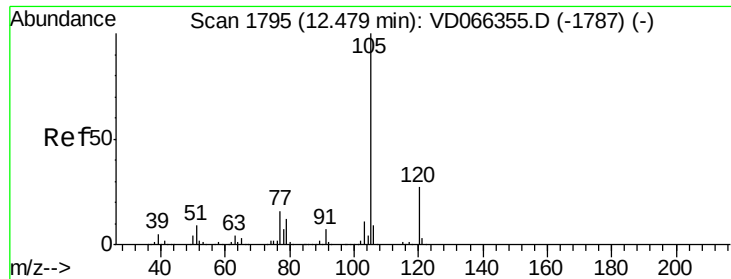


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 97.834 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1077141

Ion Ratio Lower Upper

105 100

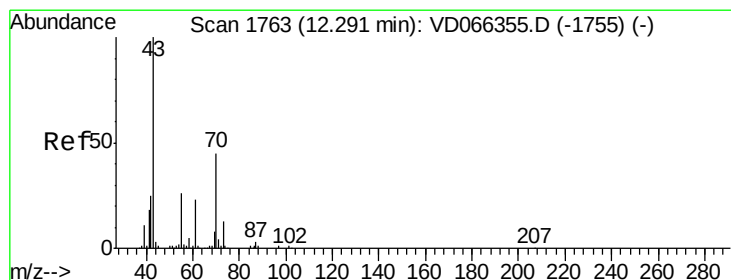
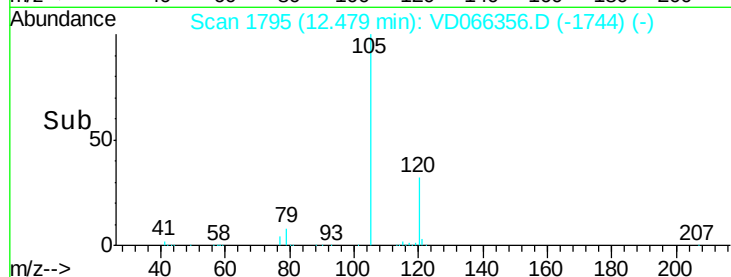
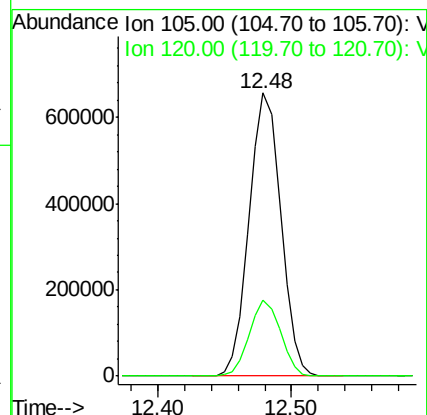
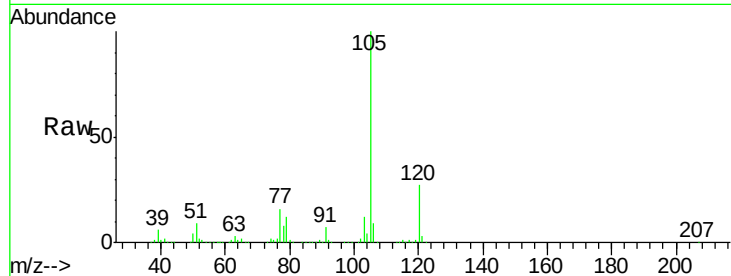
120 26.4 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 103.102 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Tgt Ion: 43 Resp: 203625

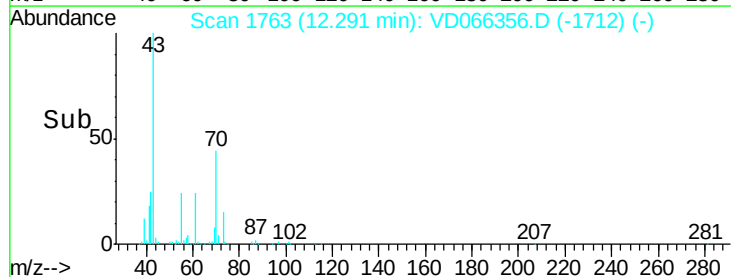
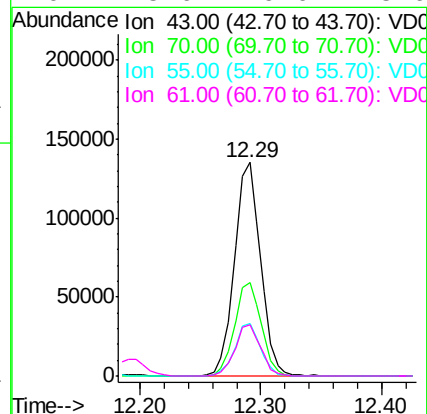
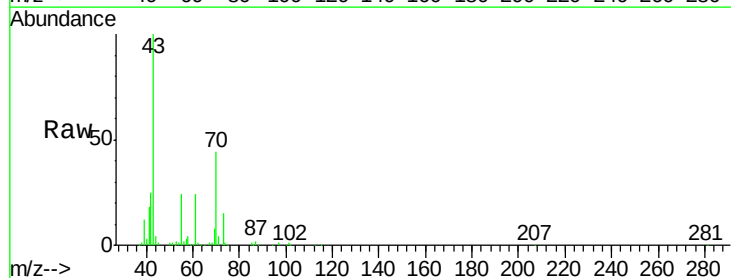
Ion Ratio Lower Upper

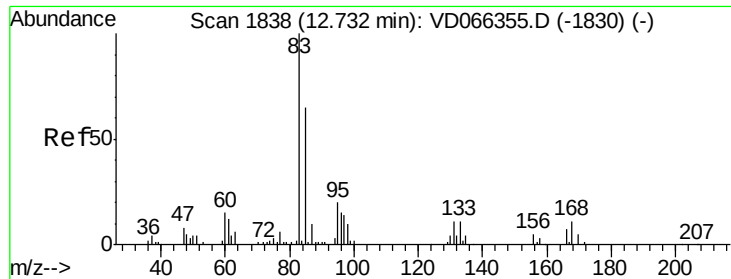
43 100

70 44.5 34.8 52.2

55 24.3 20.3 30.5

61 23.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 95.729 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 152482

Ion Ratio Lower Upper

83 100

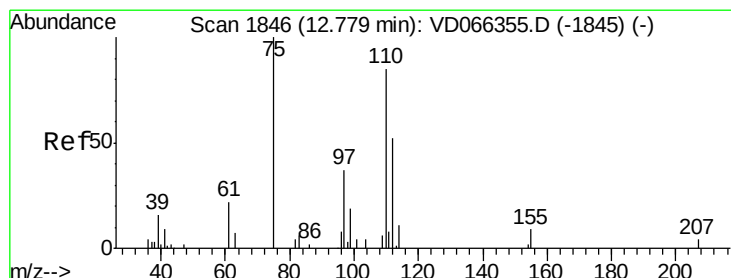
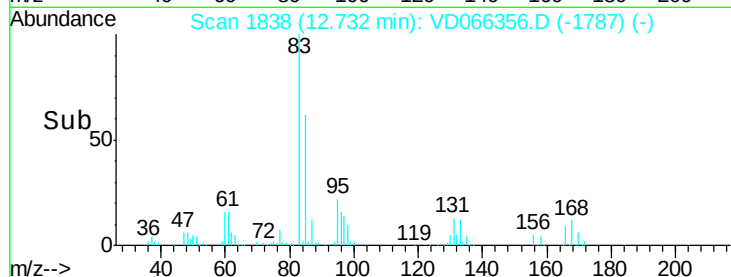
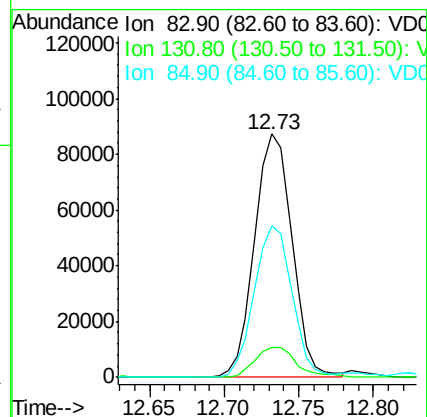
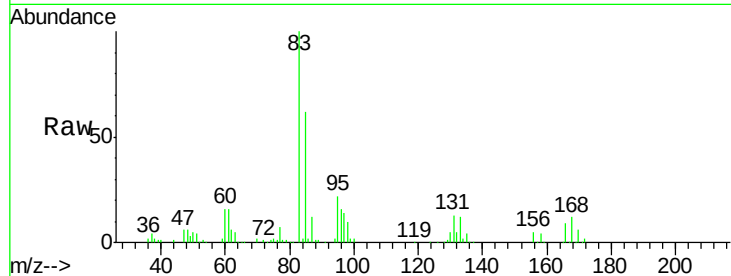
131 13.7 7.0 20.9

85 62.3 32.4 97.0

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#76

1,2,3-Trichloropropane

Concen: 97.314 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066356.D

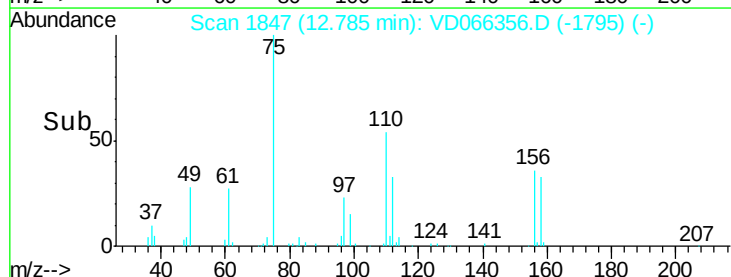
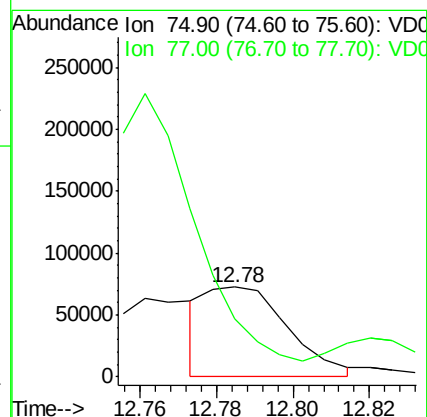
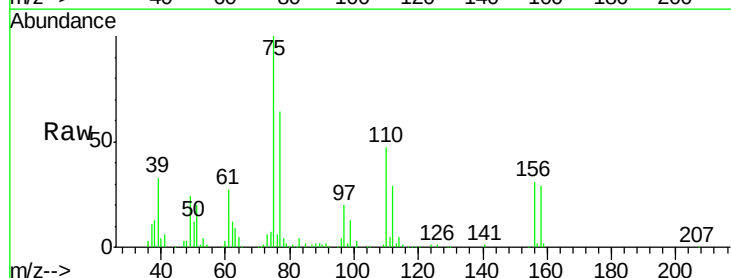
Acq: 21 Aug 2020 12:47

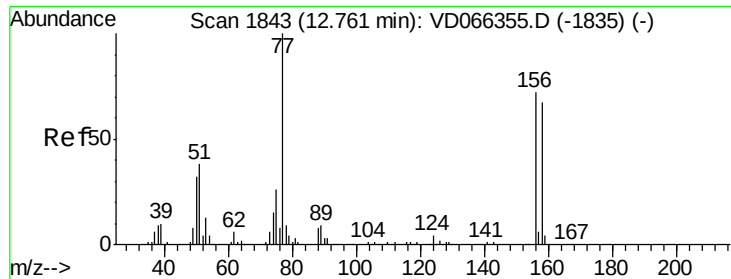
Tgt Ion: 75 Resp: 109370

Ion Ratio Lower Upper

75 100

77 0.0 182.9 548.9#





#77

Bromobenzene

Concen: 94.888 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 271262

Ion Ratio Lower Upper

156 100

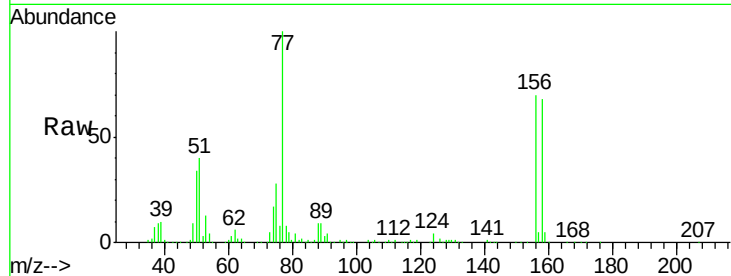
77 152.7 76.1 228.3

158 96.1 47.6 142.9

Manual Integrations
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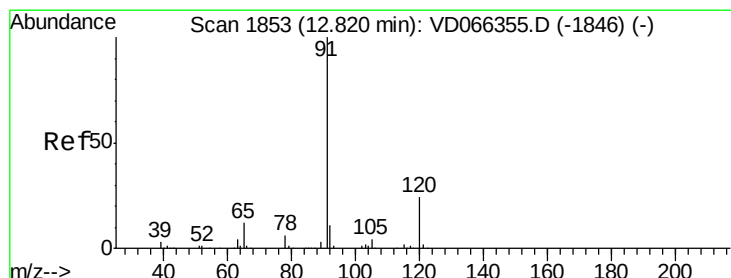
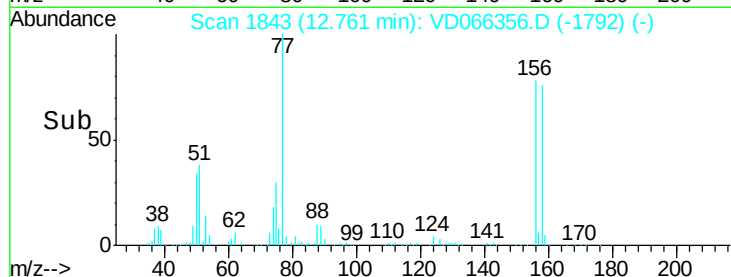
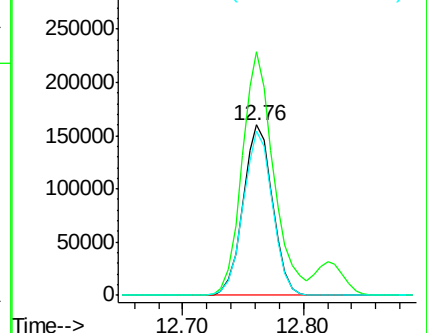
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 93.602 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066356.D

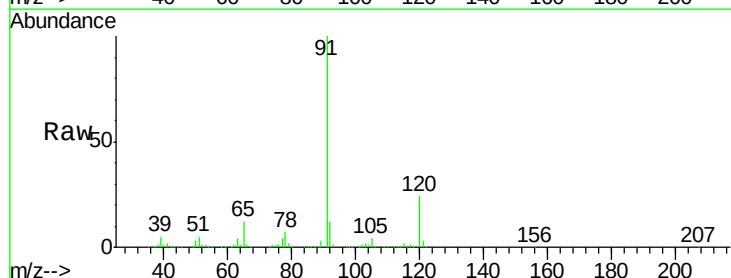
Acq: 21 Aug 2020 12:47

Tgt Ion: 91 Resp: 1202547

Ion Ratio Lower Upper

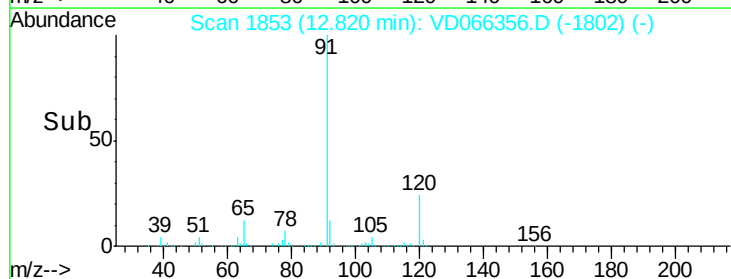
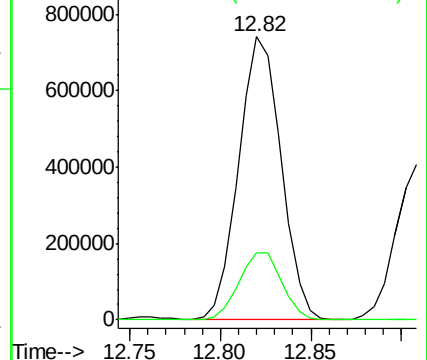
91 100

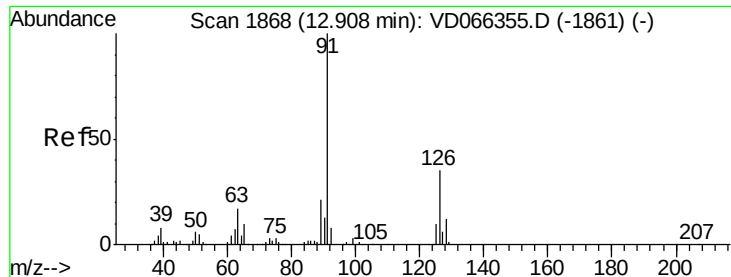
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





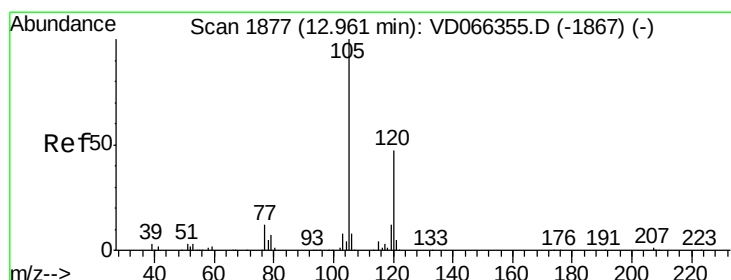
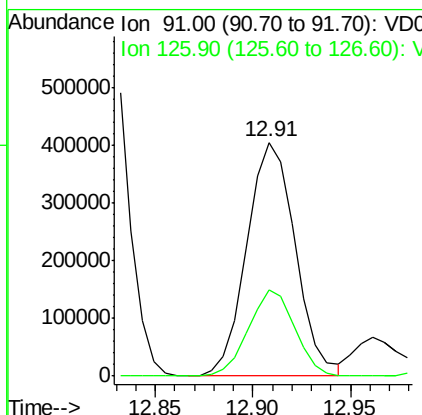
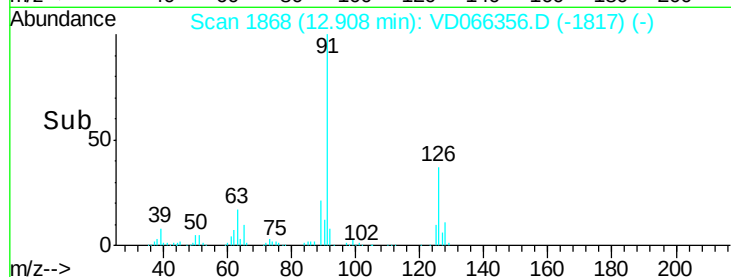
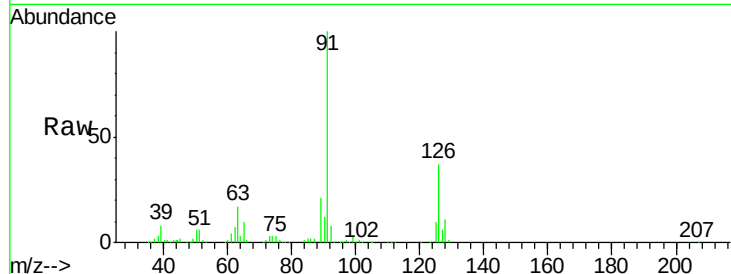
#79
2-Chlorotoluene
Concen: 96.188 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 697569
Ion Ratio Lower Upper
91 100
126 35.2 17.7 53.1

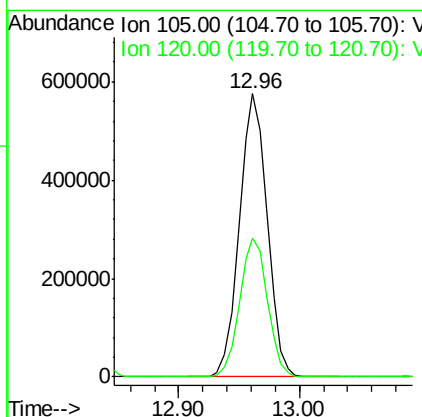
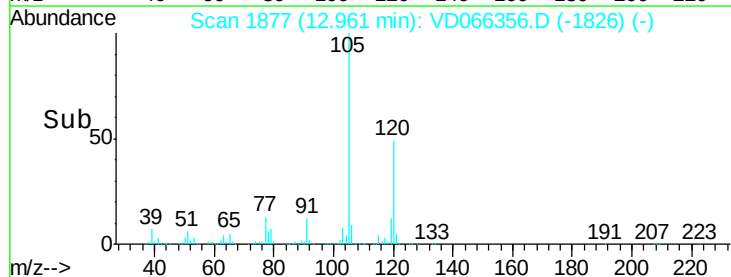
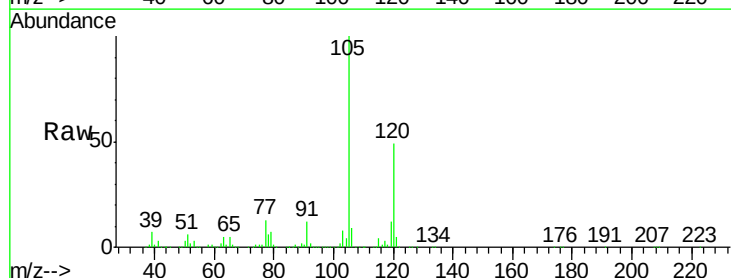
Manual Integrations
APPROVED

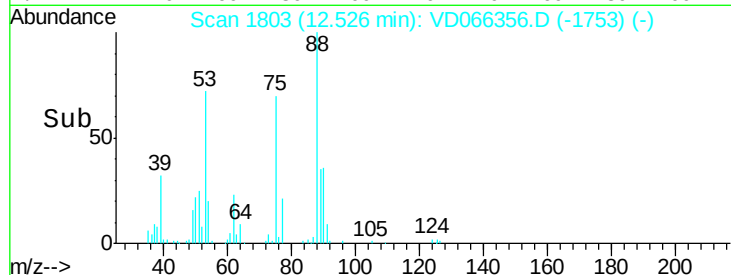
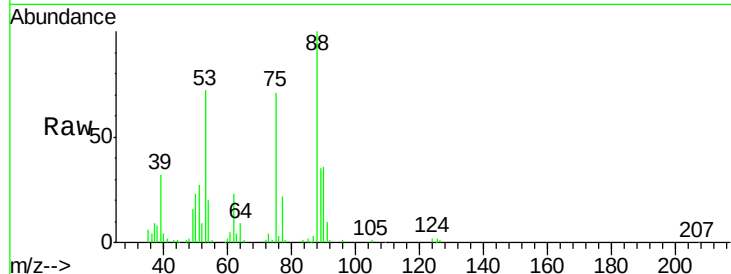
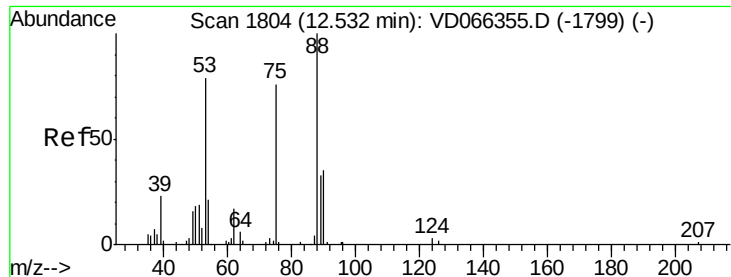
MMDadoda
8/24/2020 4:36:48 PM



#80
1,3,5-Trimethylbenzene
Concen: 95.946 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion: 105 Resp: 922714
Ion Ratio Lower Upper
105 100
120 48.9 24.1 72.2





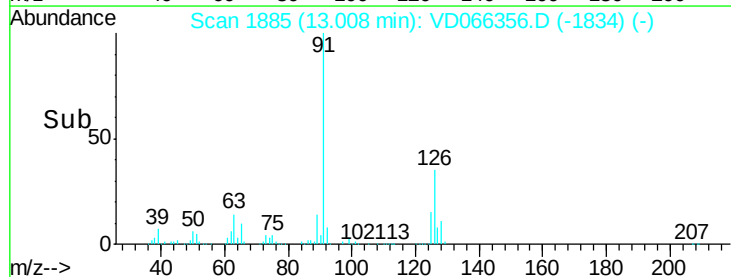
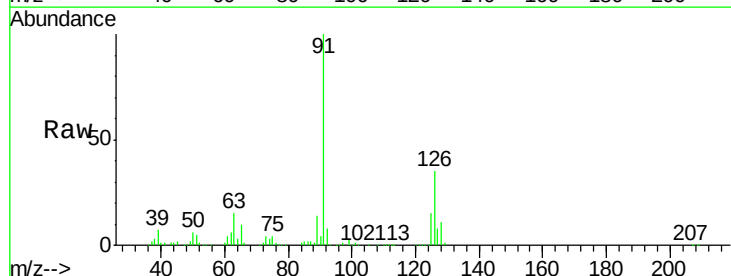
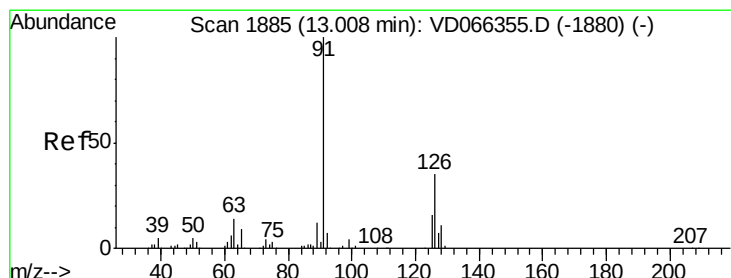
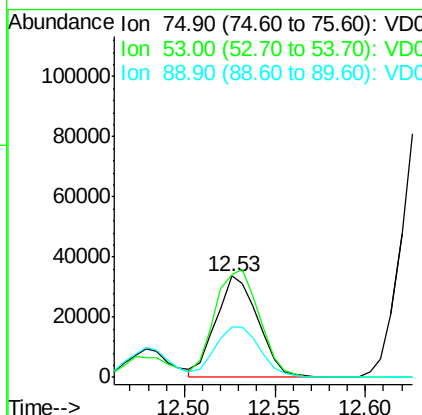
#81
trans-1,4-Dichloro-2-butene
Concen: 98.448 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.2	87.4	131.2
89	53.1	39.4	59.0

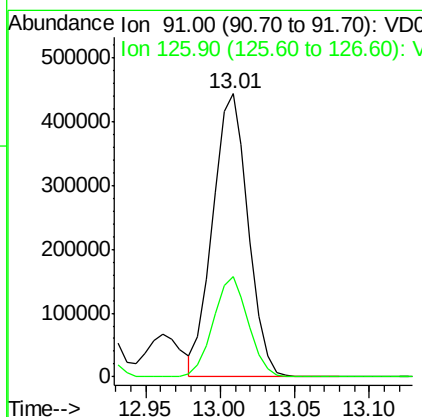
Manual Integrations
APPROVED

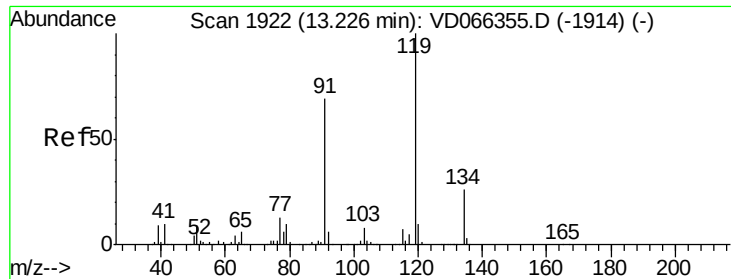
MMDadoda
8/24/2020 4:36:48 PM



#82
4-Chlorotoluene
Concen: 95.163 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.4	52.2





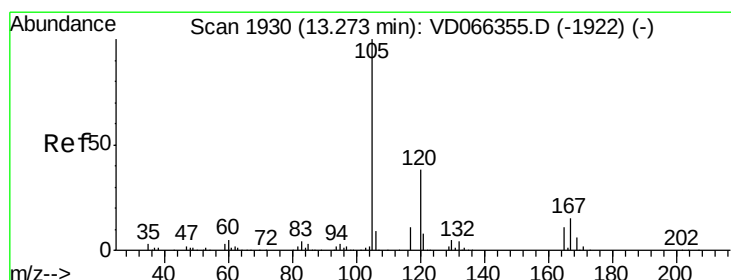
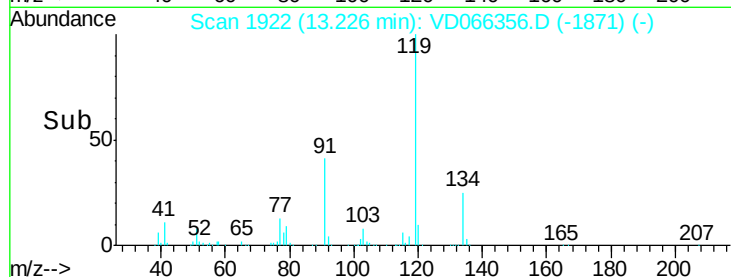
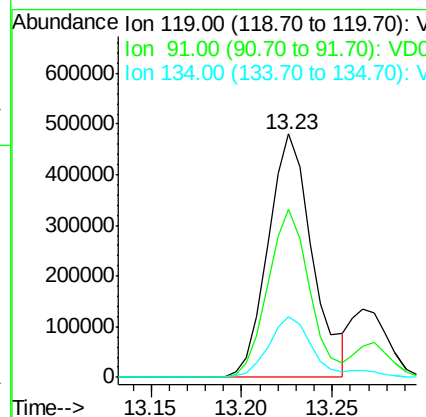
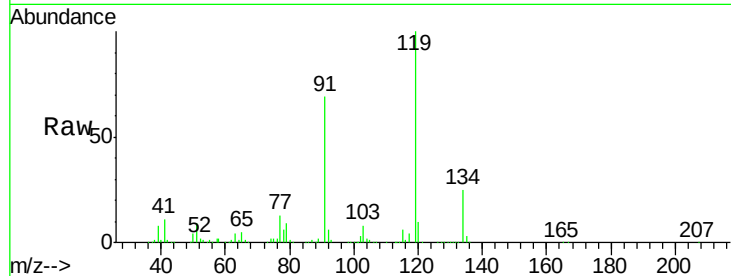
#83
tert-Butylbenzene
Concen: 99.817 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	33.5	100.5
134	25.9	13.5	40.4

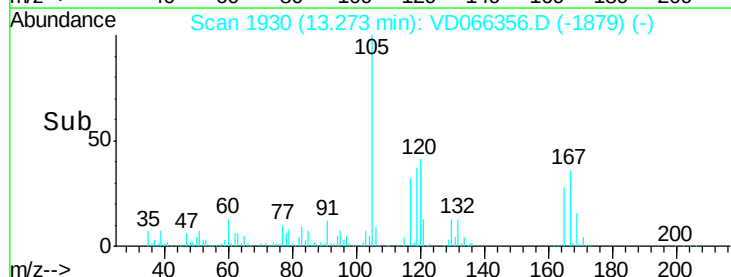
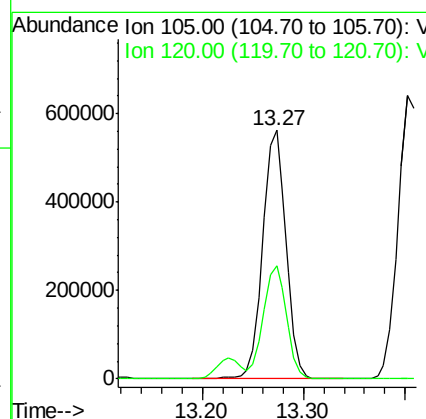
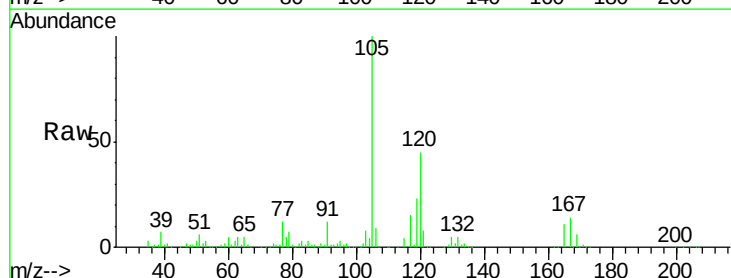
Manual Integrations
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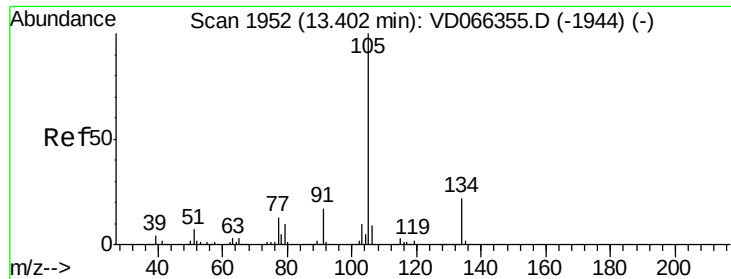
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#84
1,2,4-Trimethylbenzene
Concen: 95.908 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.7





#85

sec-Butylbenzene

Concen: 94.460 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1043171

Ion Ratio Lower Upper

105 100

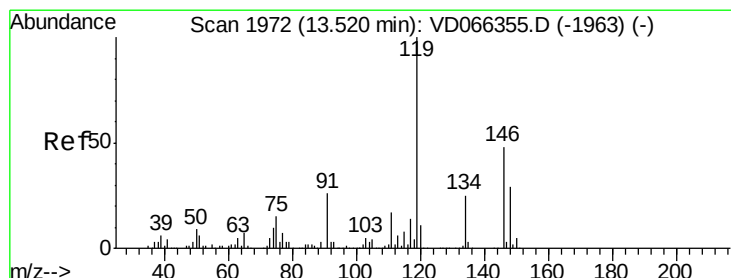
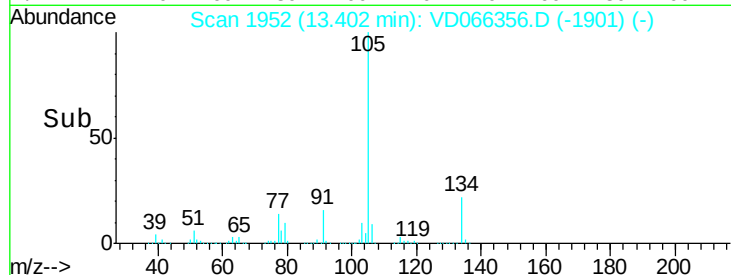
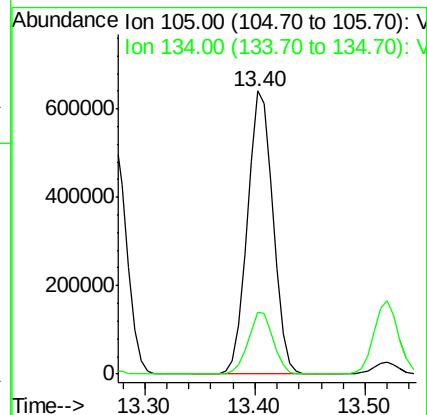
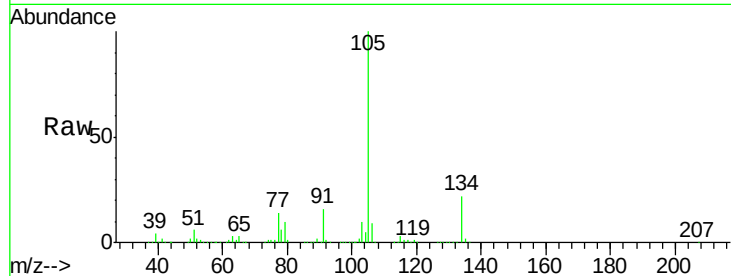
134 21.4 10.8 32.4

Manual Integrations

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MMDadoda

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#86

p-Isopropyltoluene

Concen: 96.247 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066356.D

Acq: 21 Aug 2020 12:47

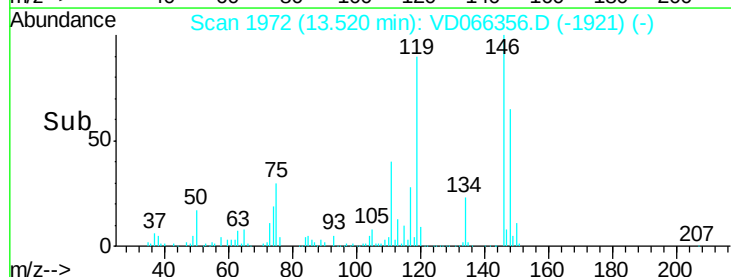
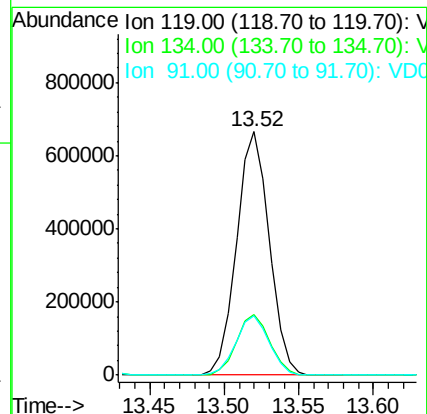
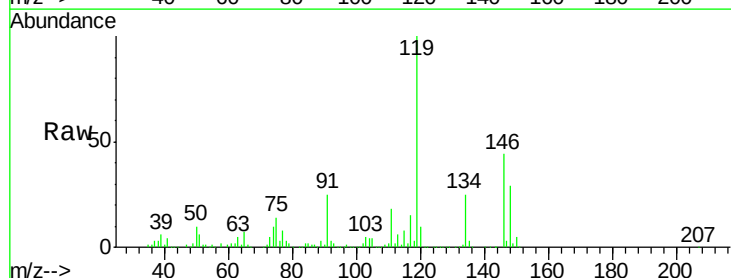
Tgt Ion:119 Resp: 1015392

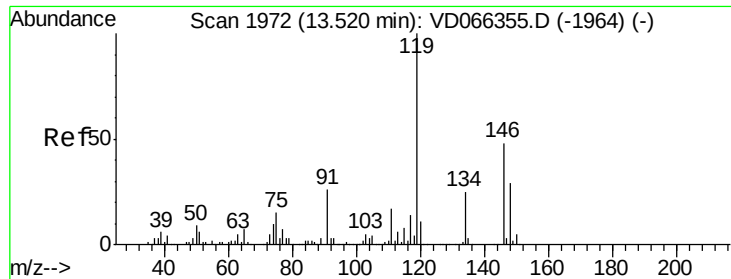
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 25.0 12.7 38.0





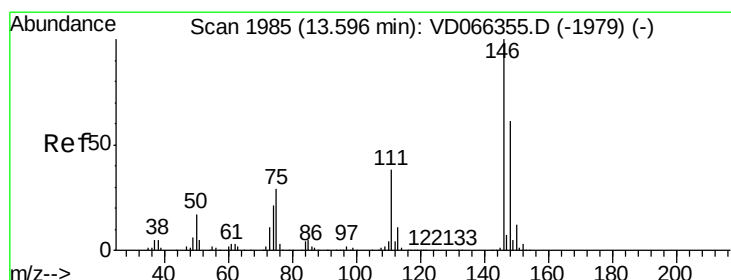
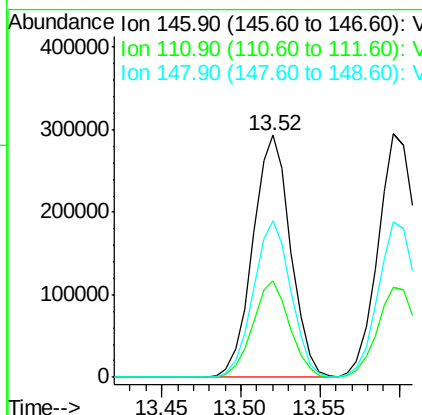
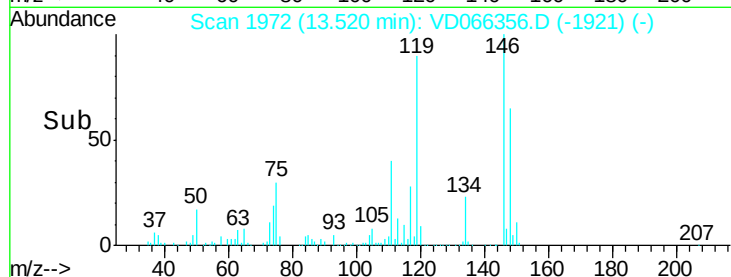
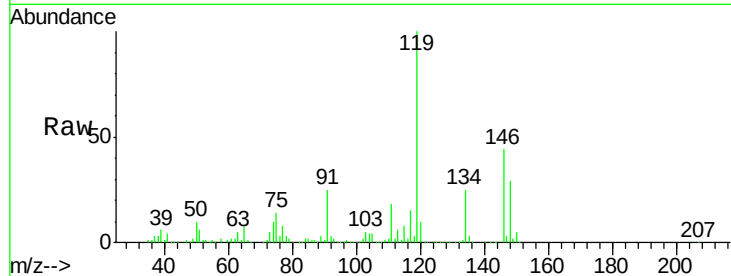
#87
 1,3-Dichlorobenzene
 Concen: 91.861 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	486063		
111	39.0	18.9	56.9	
148	64.4	31.8	95.3	

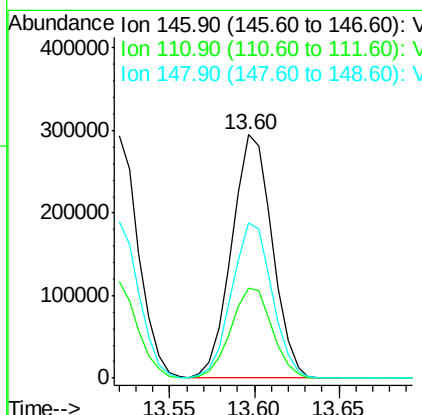
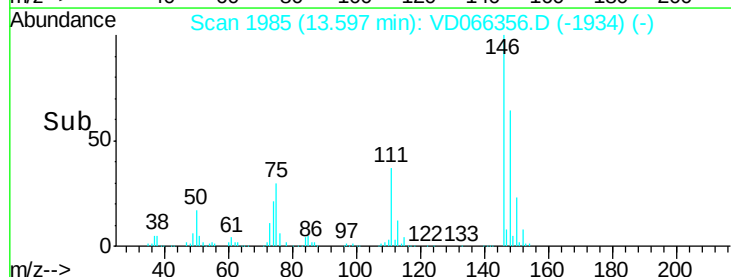
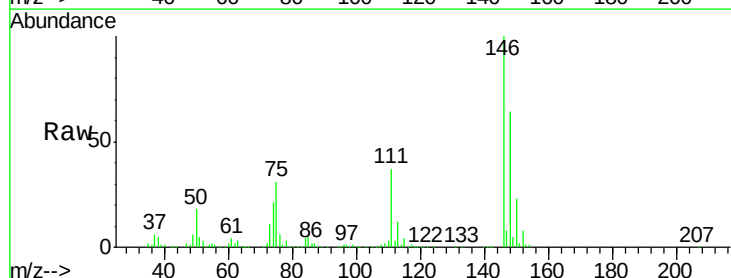
Manual Integrations
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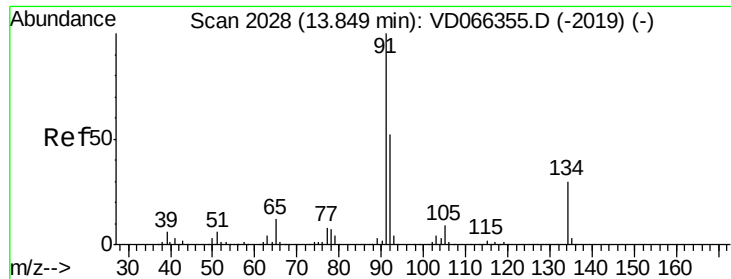
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 8/24/2020 4:36:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 91.584 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	492500		
111	37.7	19.1	57.5	
148	63.3	32.1	96.3	





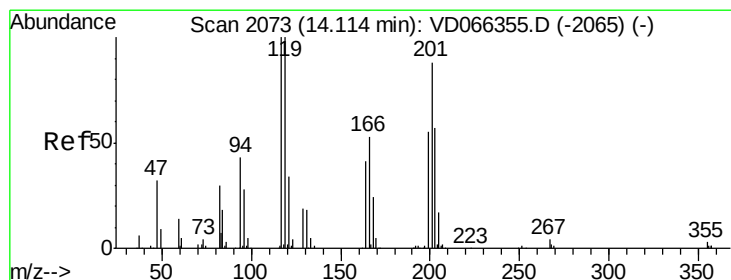
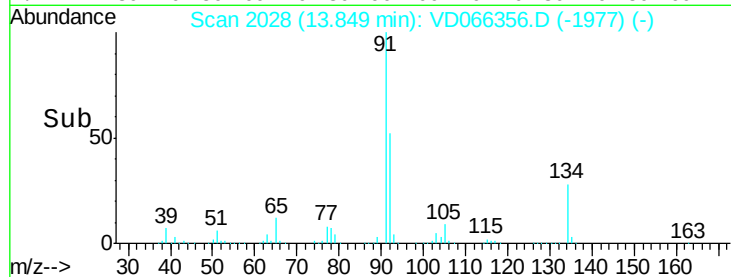
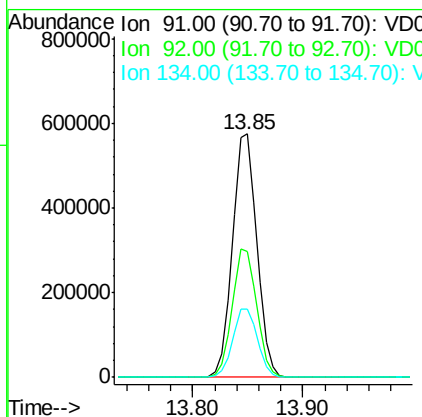
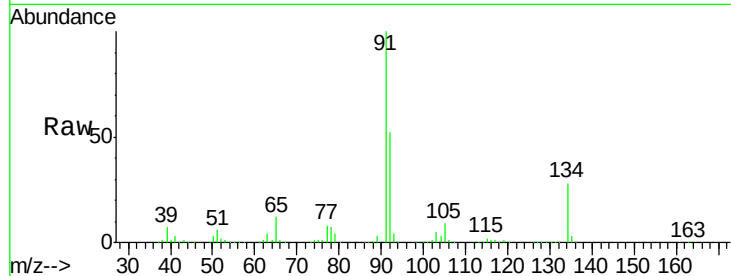
#89
n-Butylbenzene
Concen: 97.312 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
91	100	893649		
92	52.9	26.4	79.0	
134	28.6	14.4	43.4	

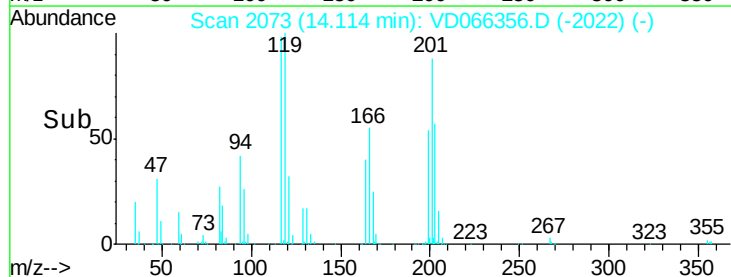
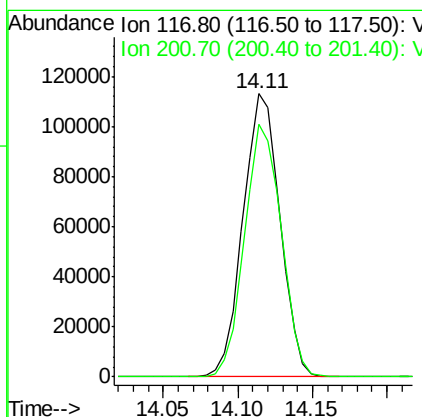
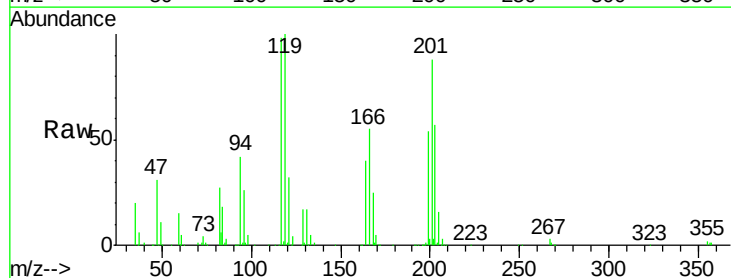
Manual Integrations
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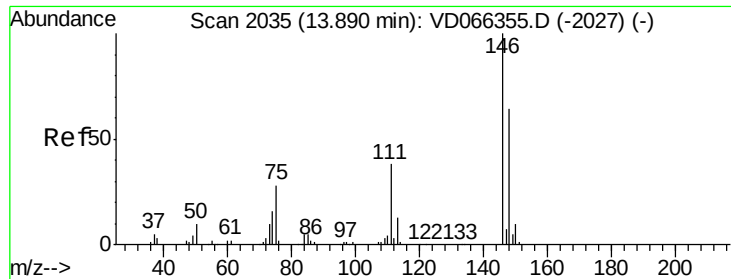
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#90
Hexachloroethane
Concen: 92.201 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	193895		
201	88.8	45.4	136.2	





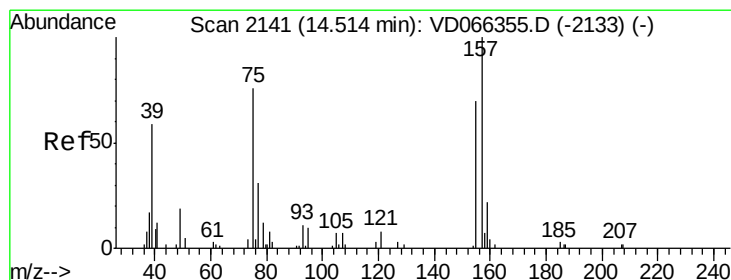
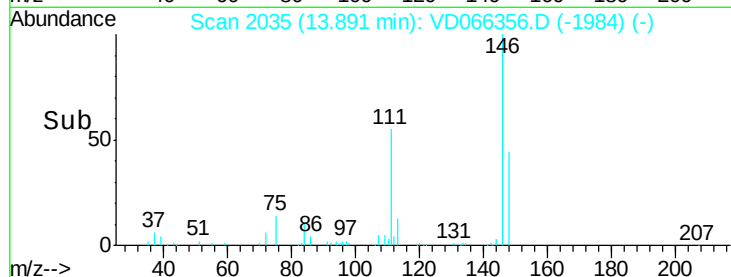
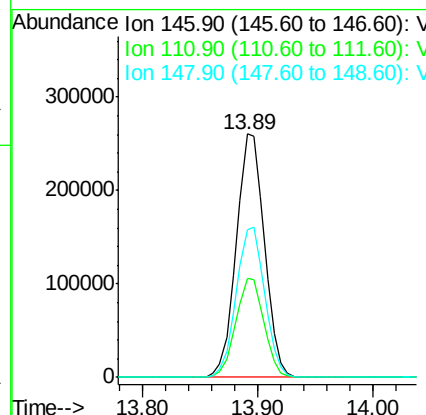
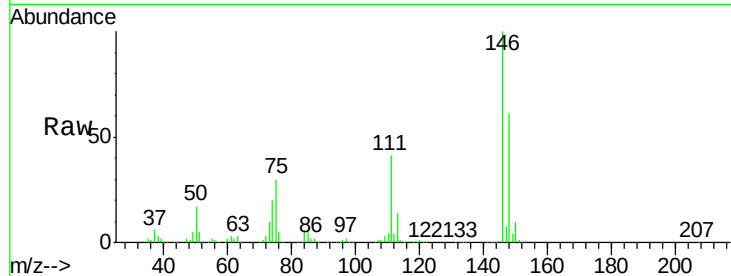
#91
 1,2-Dichlorobenzene
 Concen: 95.445 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.9	59.7
148	62.6	32.6	97.8

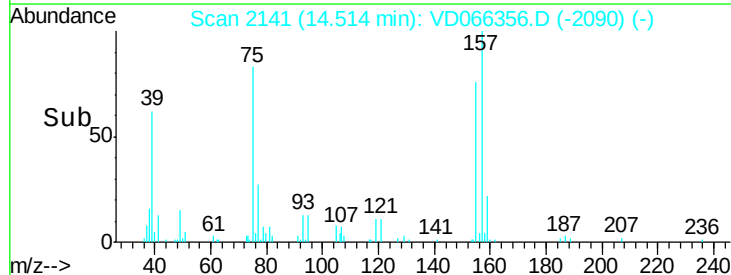
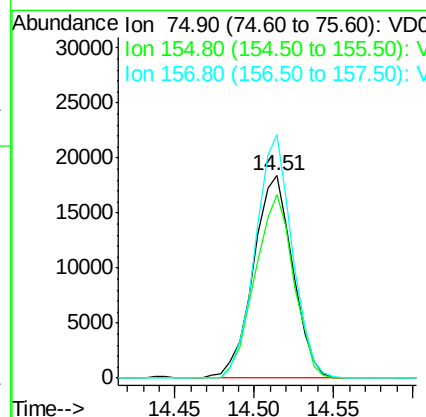
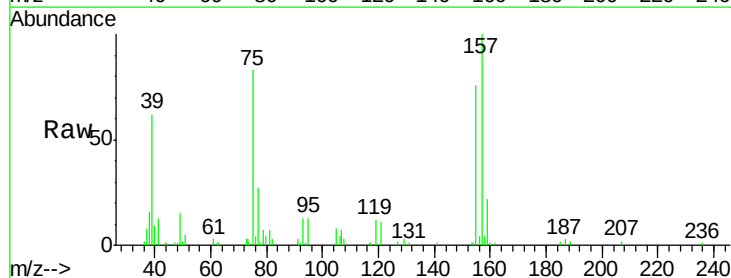
Manual Integrations
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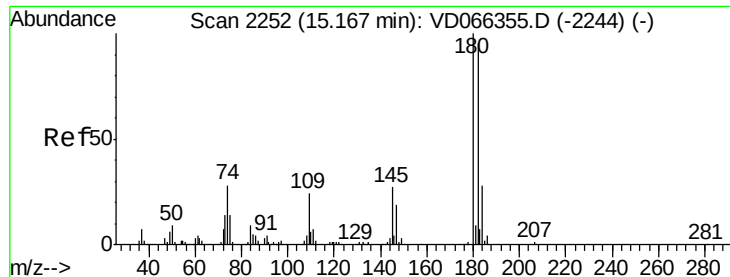
MMDadoda
 8/24/2020 4:36:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.532 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	46.9	140.6
157	111.6	61.0	183.0





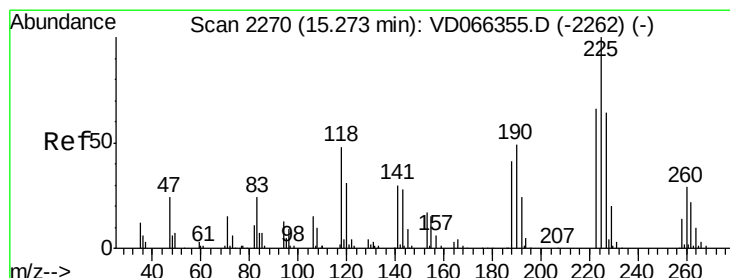
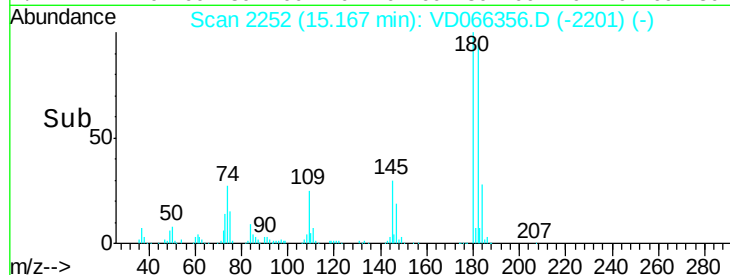
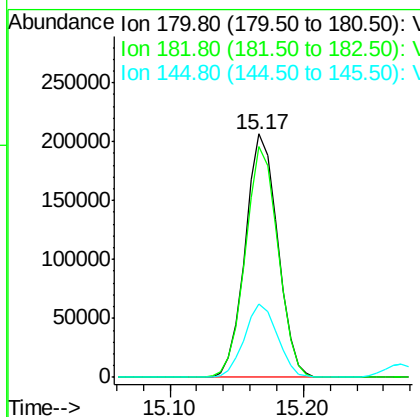
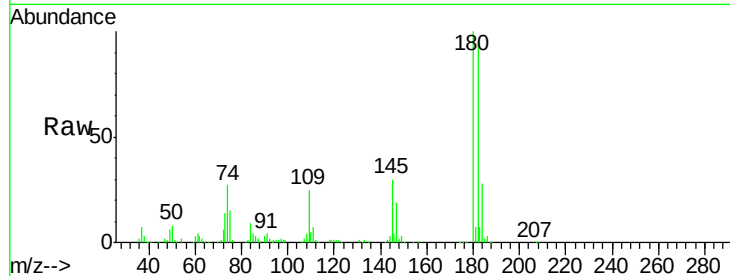
#93
 1,2,4-Trichlorobenzene
 Concen: 98.483 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	345309		
182	95.3	48.0	144.0	
145	30.8	15.2	45.6	

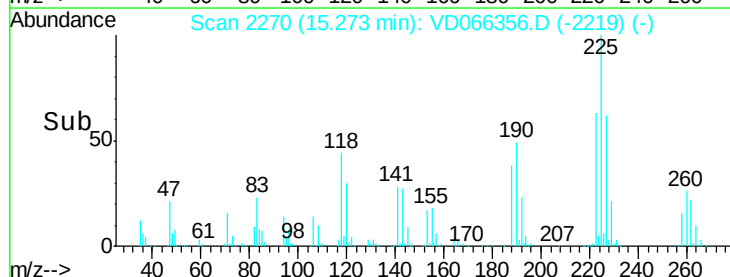
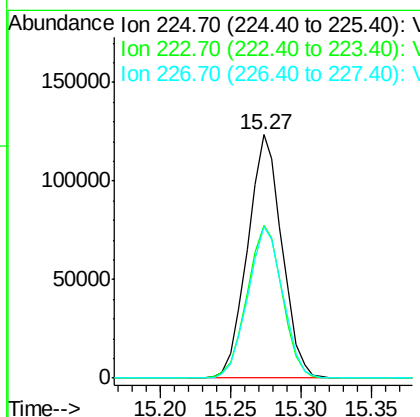
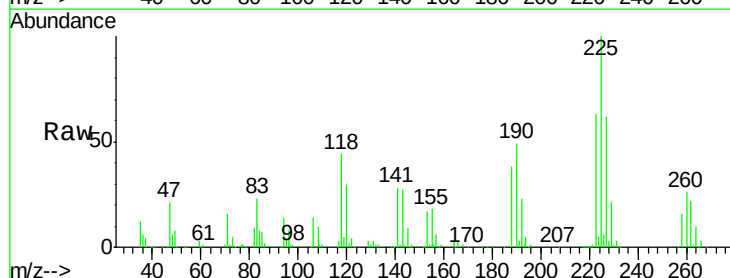
Manual Integrations
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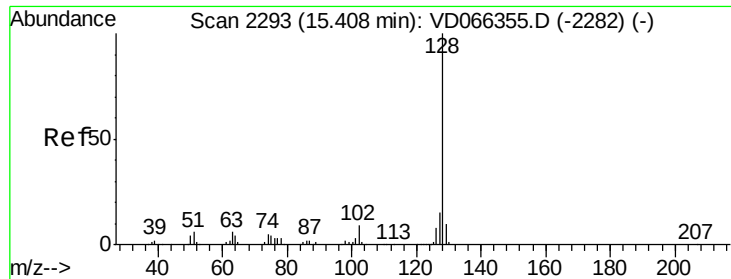
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 8/24/2020 4:36:48 PM



#94
 Hexachlorobutadiene
 Concen: 94.990 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066356.D
 Acq: 21 Aug 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	210585		
223	63.8	32.5	97.4	
227	63.2	33.0	98.9	





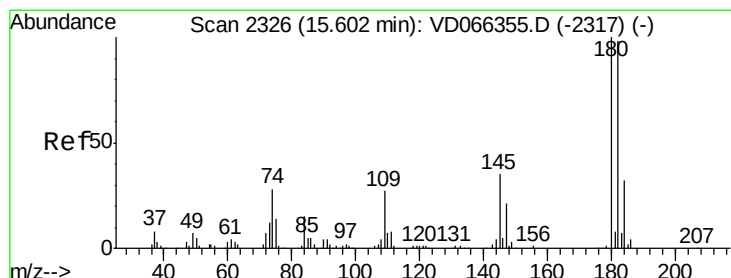
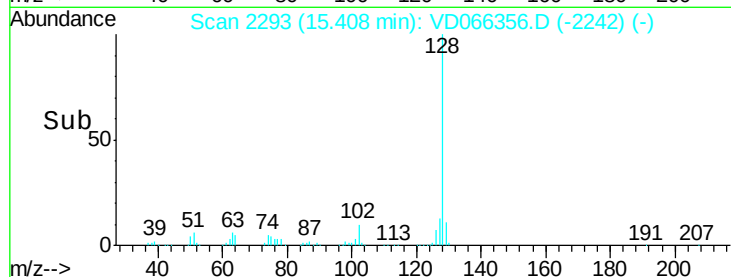
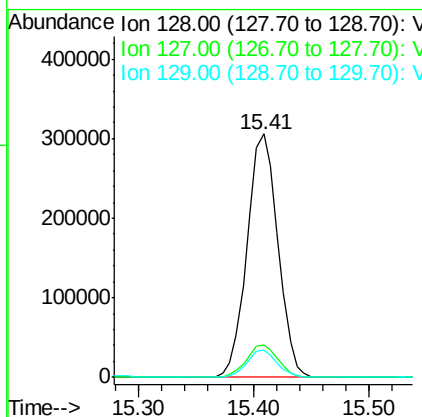
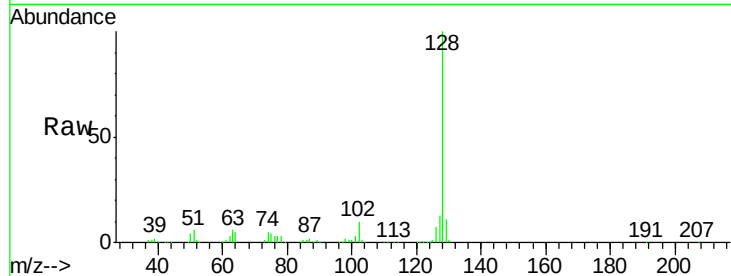
#95
Naphthalene
Concen: 106.313 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion:	128	Resp:	568516
Ion Ratio		Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:36:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 99.500 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066356.D
Acq: 21 Aug 2020 12:47

Tgt Ion:	180	Resp:	296597
Ion Ratio		Lower	Upper
180	100		
182	95.3	46.7	140.0
145	32.5	16.0	48.0

