

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066355.D
 Acq On : 21 Aug 2020 12:20
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Aug 21 12:55:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 12:48:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	250163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	351627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	319319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	166714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	122828	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
35) Dibromofluoromethane	7.91	113	112062	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.34	98	412684	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.63	95	145285	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	99512	44.992	ug/l 100
3) Chloromethane	2.20	50	69811	41.091	ug/l 100
4) Vinyl Chloride	2.35	62	76877	49.764	ug/l 100
5) Bromomethane	2.77	94	56890	54.816	ug/l 100
6) Chloroethane	2.92	64	49521	51.797	ug/l 100
7) Trichlorofluoromethane	3.27	101	211852	52.246	ug/l 100
8) Diethyl Ether	3.71	74	47914	43.663	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	103561	44.575	ug/l 100
10) Methyl Iodide	4.30	142	129481	68.263	ug/l 100
11) Tert butyl alcohol	5.21	59	34840	154.874	ug/l 100
12) 1,1-Dichloroethene	4.07	96	99967	45.468	ug/l 100
13) Acrolein	3.92	56	26577	157.488	ug/l 100
14) Allyl chloride	4.71	41	134849	41.299	ug/l 100
15) Acrylonitrile	5.42	53	97726	212.616	ug/l 100
16) Acetone	4.16	43	108745	256.021	ug/l 100
17) Carbon Disulfide	4.41	76	304003	43.750	ug/l 100
18) Methyl Acetate	4.71	43	40337	38.478	ug/l 100
19) Methyl tert-butyl Ether	5.47	73	247610	48.676	ug/l 100
20) Methylene Chloride	4.97	84	119220	41.513	ug/l 100
21) trans-1,2-Dichloroethene	5.47	96	113588	45.038	ug/l 100
22) Diisopropyl ether	6.36	45	268531	41.593	ug/l 100
23) Vinyl Acetate	6.30	43	847266	222.439	ug/l 100
24) 1,1-Dichloroethane	6.26	63	180593	44.519	ug/l 100
25) 2-Butanone	7.21	43	123533	203.538	ug/l 100
26) 2,2-Dichloropropane	7.21	77	197984	52.566	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	124885	47.039	ug/l 100
28) Bromochloromethane	7.54	49	65395	46.031	ug/l 100
29) Tetrahydrofuran	7.56	42	72052	194.530	ug/l 100
30) Chloroform	7.70	83	214726	49.433	ug/l 100
31) Cyclohexane	7.98	56	156949	40.832	ug/l 100
32) 1,1,1-Trichloroethane	7.90	97	218329	52.943	ug/l 100
36) 1,1-Dichloropropene	8.11	75	158906	48.240	ug/l 100
37) Ethyl Acetate	7.28	43	54879	42.635	ug/l 100
38) Carbon Tetrachloride	8.09	117	208723	55.008	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	197807	49.466	ug/l	100
40) Benzene	8.34	78	428253	46.959	ug/l	100
41) Methacrylonitrile	7.54	41	36695m	47.636	ug/l	
42) 1,2-Dichloroethane	8.42	62	150557	54.519	ug/l	100
43) Isopropyl Acetate	8.45	43	111790	44.028	ug/l	100
44) Trichloroethene	9.11	130	135999	49.075	ug/l	100
45) 1,2-Dichloropropane	9.38	63	97214	44.057	ug/l	100
46) Dibromomethane	9.47	93	60846	49.382	ug/l	100
47) Bromodichloromethane	9.66	83	166349	50.595	ug/l	100
48) Methyl methacrylate	9.46	41	55674	43.573	ug/l	100
49) 1,4-Dioxane	9.46	88	15126	959.430	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	277186	214.518	ug/l	100
52) Toluene	10.40	92	295968	49.150	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	159884	51.260	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	179581	49.474	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	80367	45.604	ug/l	100
56) Ethyl methacrylate	10.66	69	99300	47.171	ug/l	100
57) 1,3-Dichloropropane	10.94	76	135513	46.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	204959	219.433	ug/l	100
59) 2-Hexanone	10.98	43	202811	222.620	ug/l	100
60) Dibromochloromethane	11.14	129	121028	49.282	ug/l	100
61) 1,2-Dibromoethane	11.24	107	78588	46.478	ug/l	100
64) Tetrachloroethene	10.87	164	121758	49.334	ug/l	100
65) Chlorobenzene	11.67	112	325059	49.836	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	129969	50.767	ug/l	100
67) Ethyl Benzene	11.74	91	580887	51.195	ug/l	100
68) m/p-Xylenes	11.85	106	443807	101.446	ug/l	100
69) o-Xylene	12.18	106	199575	50.228	ug/l	100
70) Styrene	12.20	104	350444	50.378	ug/l	100
71) Bromoform	12.36	173	74377	49.287	ug/l #	100
73) Isopropylbenzene	12.48	105	570431	51.006	ug/l	100
74) N-amyl acetate	12.29	43	106456	44.554	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	79987	42.888	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	59288m	43.111	ug/l	
77) Bromobenzene	12.76	156	145205	50.413	ug/l	100
78) n-propylbenzene	12.82	91	648755	50.026	ug/l	100
79) 2-Chlorotoluene	12.91	91	367293	49.640	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	498981	53.015	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	28787	46.358	ug/l	100
82) 4-Chlorotoluene	13.01	91	394678	50.372	ug/l	100
83) tert-Butylbenzene	13.23	119	425503	51.743	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	482918	51.586	ug/l	100
85) sec-Butylbenzene	13.40	105	564001	50.866	ug/l	100
86) p-Isopropyltoluene	13.52	119	542900	51.931	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	266256	49.256	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	263472	49.005	ug/l	100
89) n-Butylbenzene	13.85	91	482608	51.689	ug/l	100
90) Hexachloroethane	14.11	117	103295	49.646	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	228506	48.058	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16092	48.891	ug/l	100

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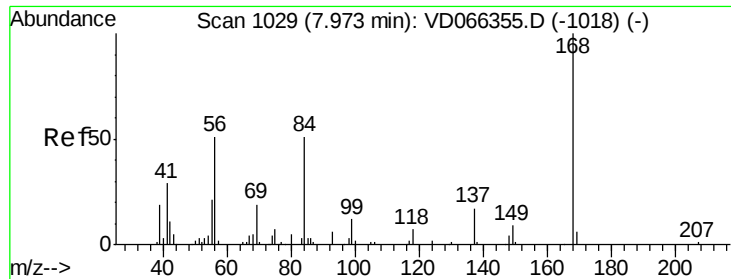
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	182633	51.645	ug/l	100
94) Hexachlorobutadiene	15.27	225	113166	53.666	ug/l	100
95) Naphthalene	15.41	128	293556	51.343	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	158755	51.016	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 250163

Ion Ratio Lower Upper

168 100

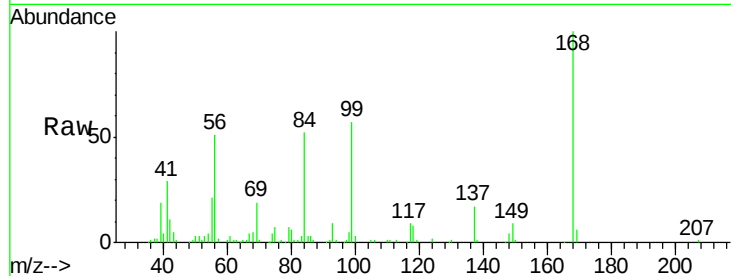
99 56.7 45.4 68.0

Manual Integrations

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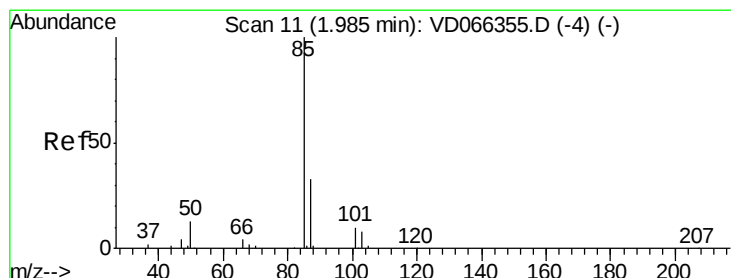
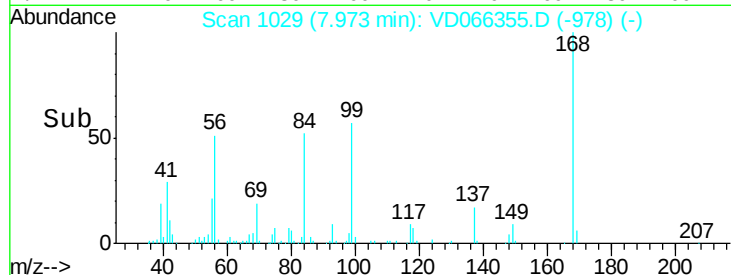
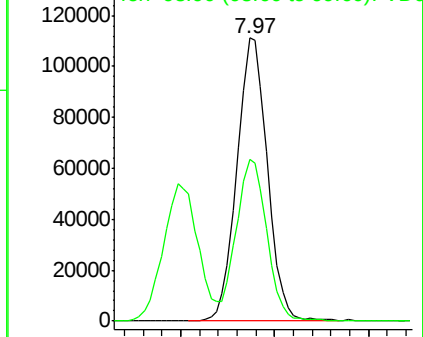
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.992 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066355.D

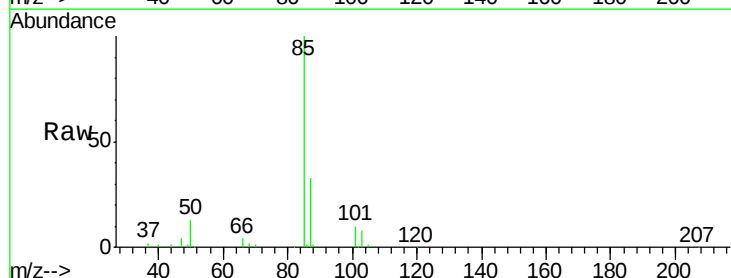
Acq: 21 Aug 2020 12:20

Tgt Ion: 85 Resp: 99512

Ion Ratio Lower Upper

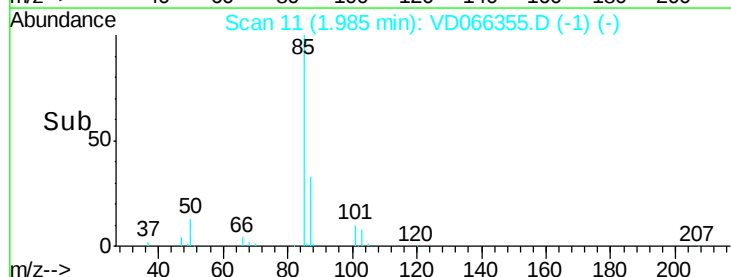
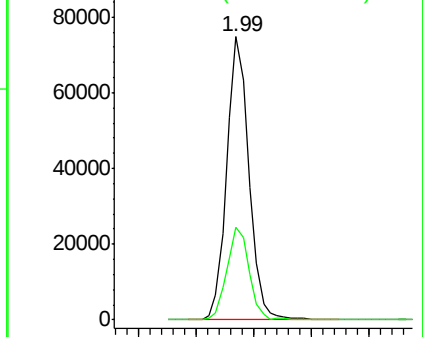
85 100

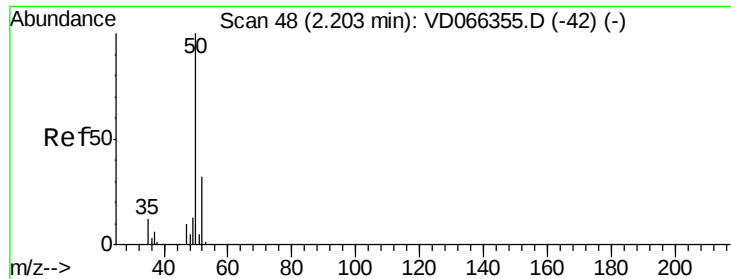
87 32.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.091 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 69811

Ion Ratio Lower Upper

50 100

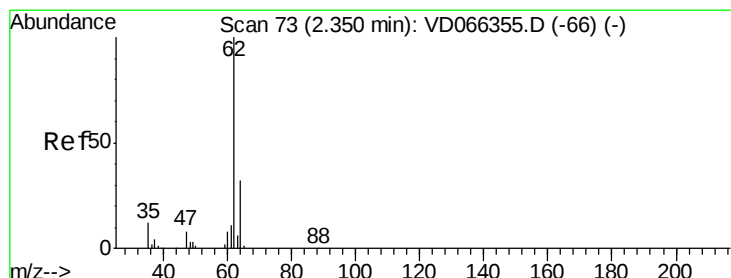
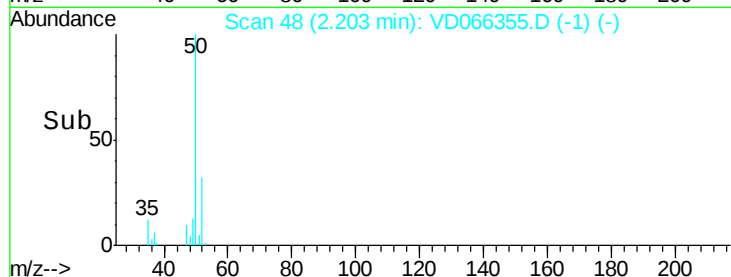
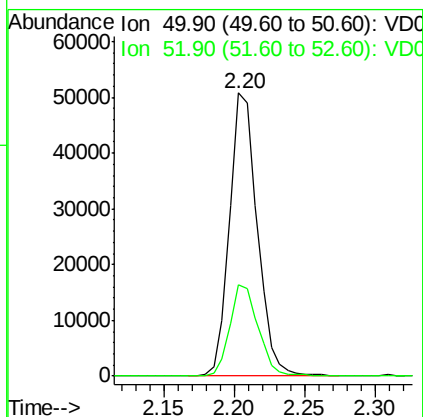
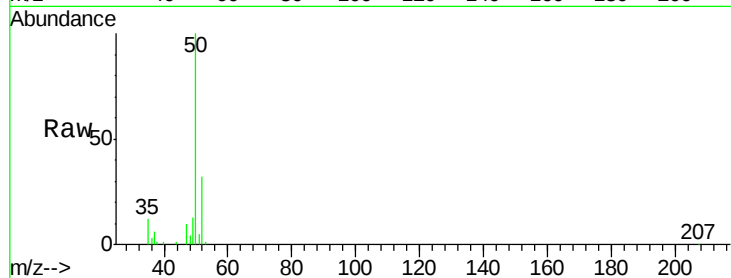
52 32.1 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.764 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066355.D

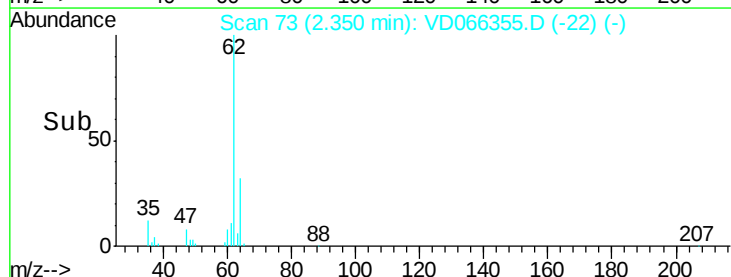
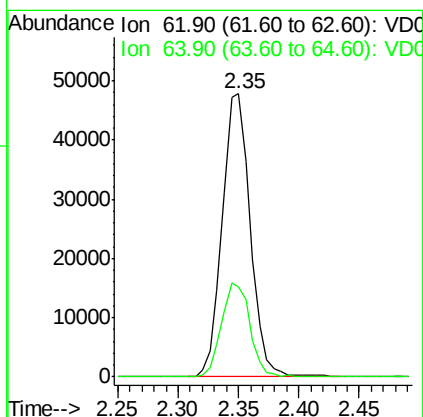
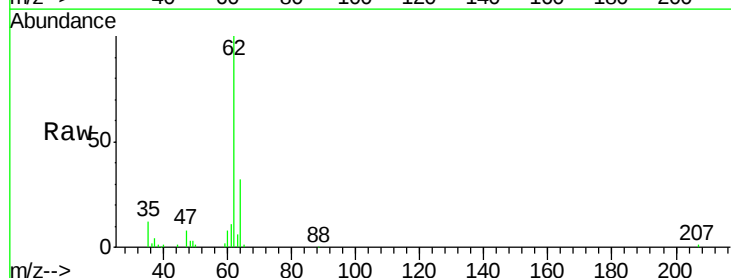
Acq: 21 Aug 2020 12:20

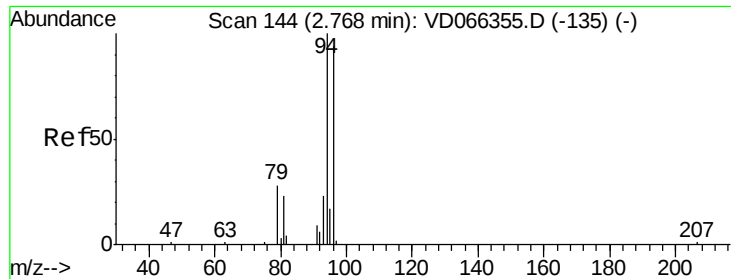
Tgt Ion: 62 Resp: 76877

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 54.816 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 56890

Ion Ratio Lower Upper

94 100

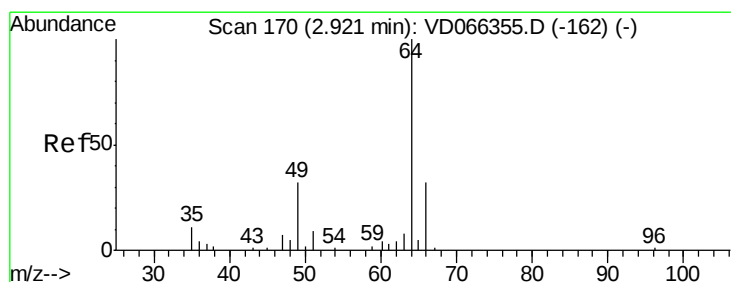
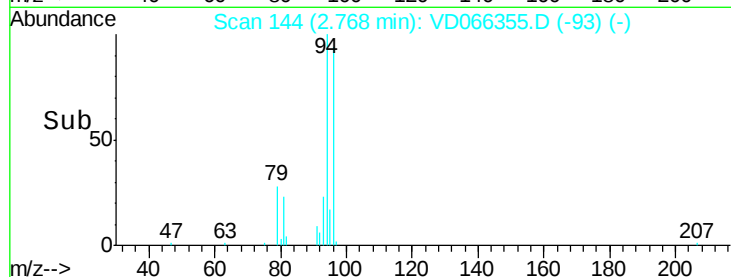
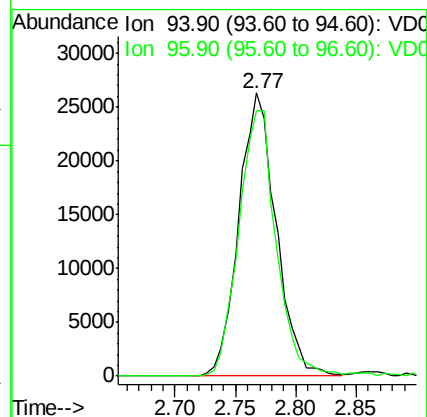
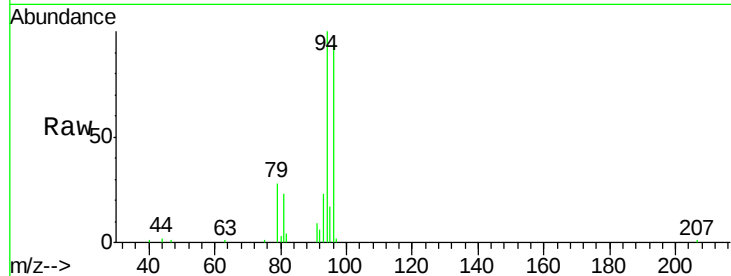
96 93.7 75.0 112.4

Manual Integrations

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8/24/2020 4:36:36 PM



#6

Chloroethane

Concen: 51.797 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066355.D

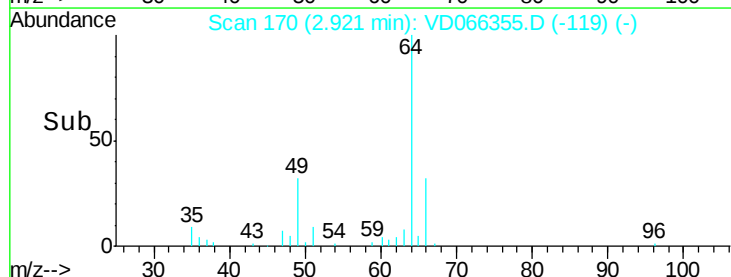
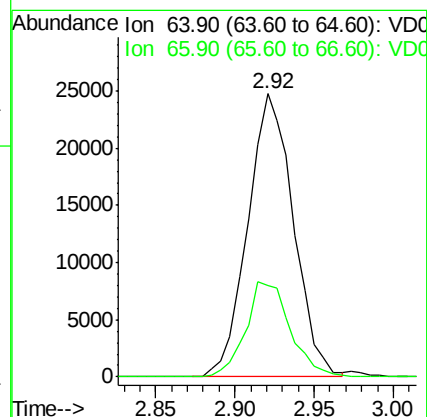
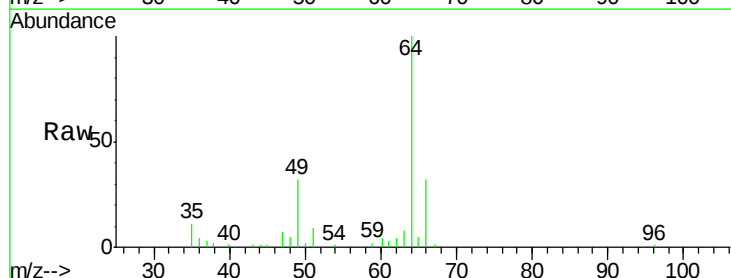
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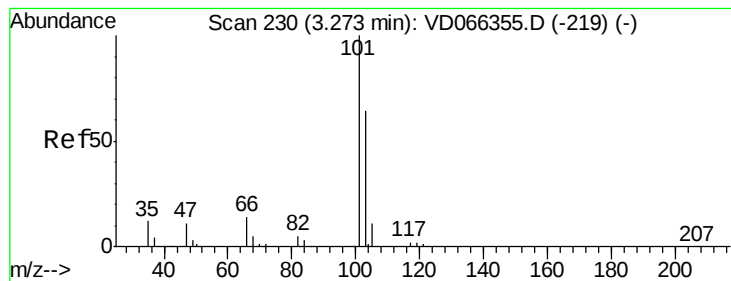
Tgt Ion: 64 Resp: 49521

Ion Ratio Lower Upper

64 100

66 32.4 25.9 38.9





#7

Trichlorofluoromethane

Concen: 52.246 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

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Tot Ion:101 Resp: 211852

Ion Ratio Lower Upper

101 100

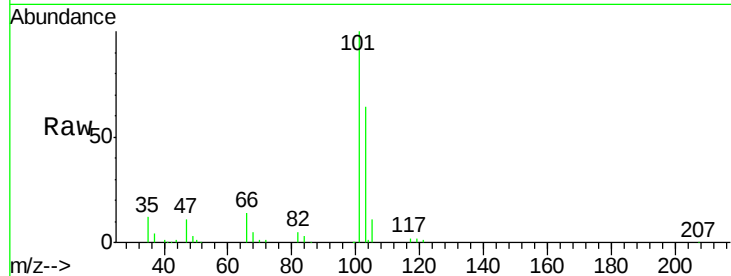
103 64.2 51.4 77.0

Manual Integrations

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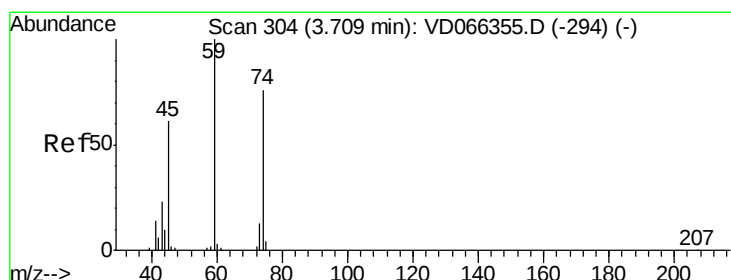
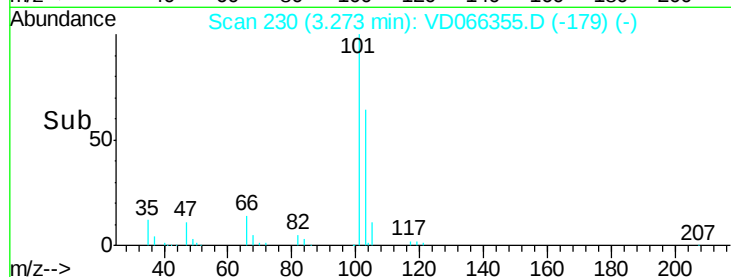
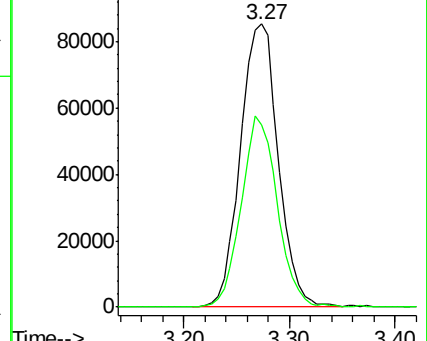
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 43.663 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD066355.D

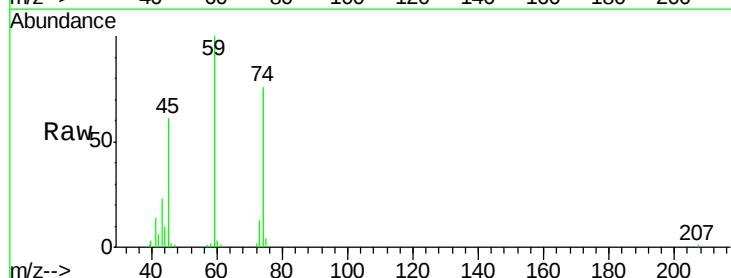
Acq: 21 Aug 2020 12:20

Tgt Ion: 74 Resp: 47914

Ion Ratio Lower Upper

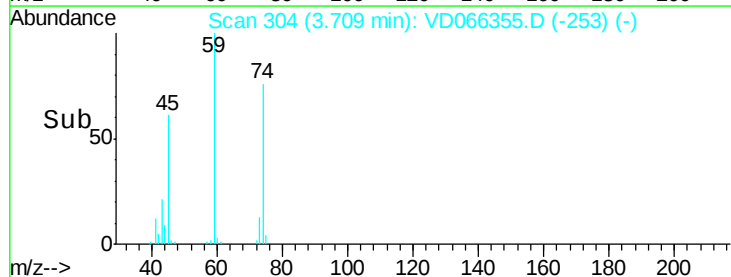
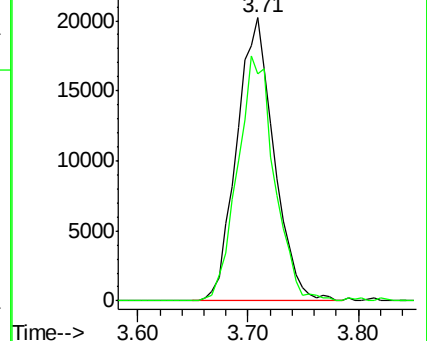
74 100

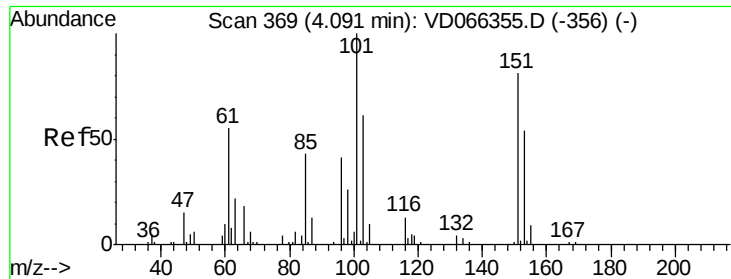
45 85.5 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.575 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

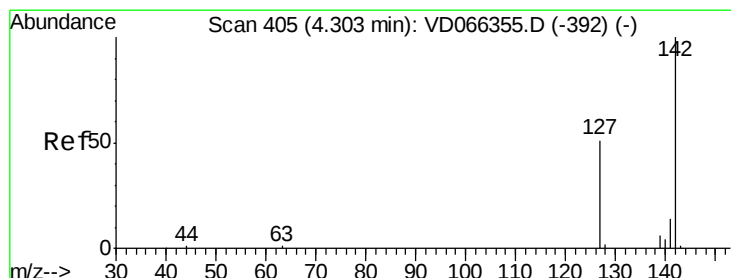
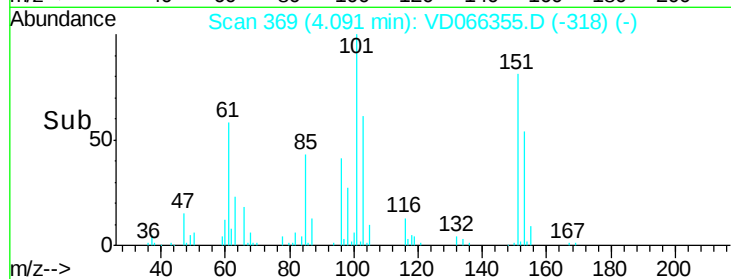
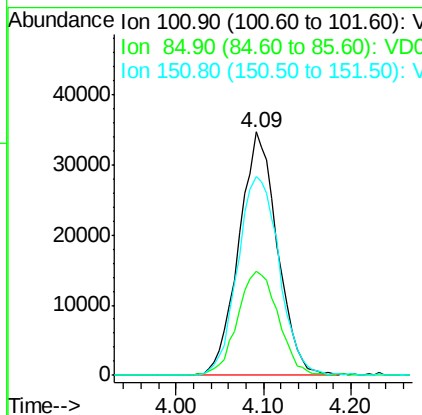
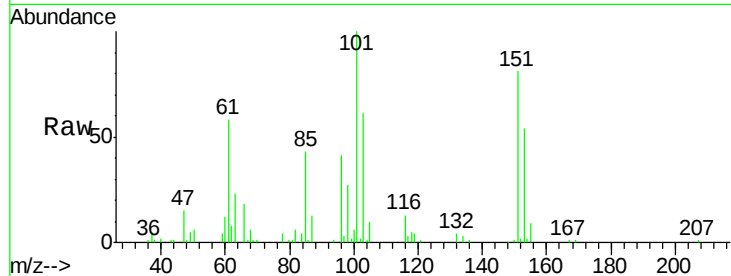
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	103561
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.4	54.6
151	88.1	70.5	105.7

Manual Integrations
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#10

Methyl Iodide

Concen: 68.263 ug/l

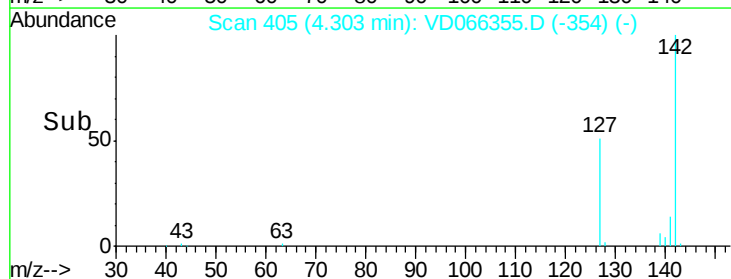
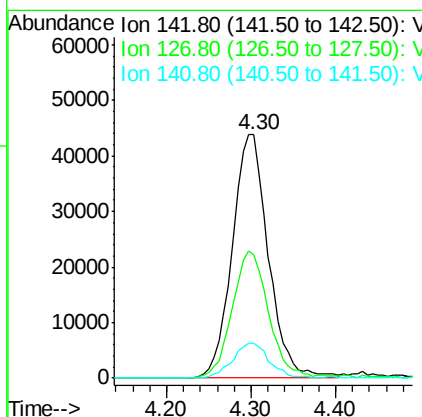
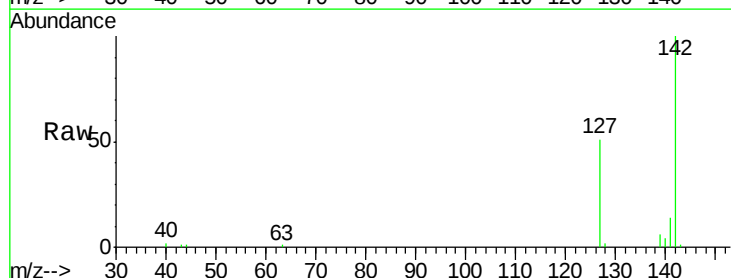
RT: 4.30 min Scan# 405

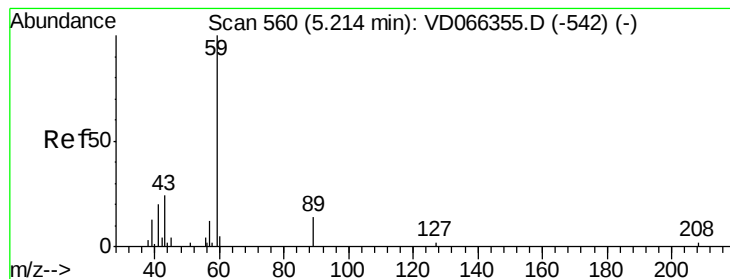
Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Tgt Ion:	142	Resp:	129481
Ion Ratio	Lower	Upper	
142	100		
127	52.3	41.8	62.8
141	14.7	11.8	17.6





#11

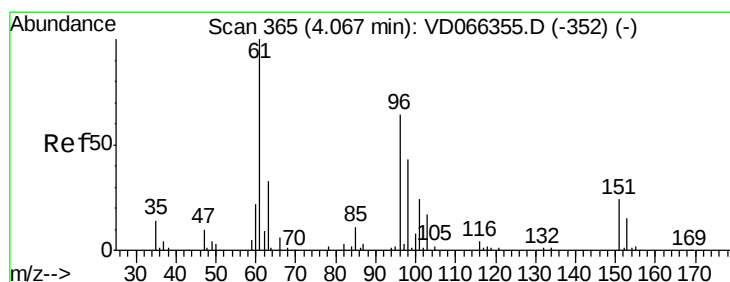
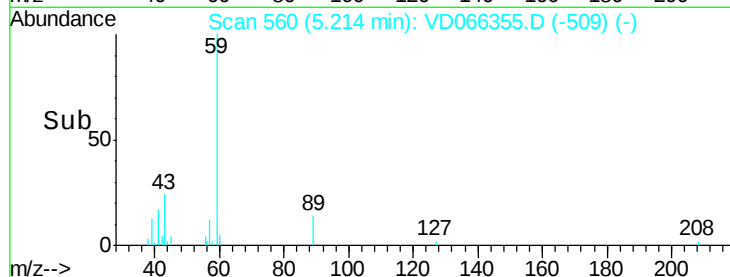
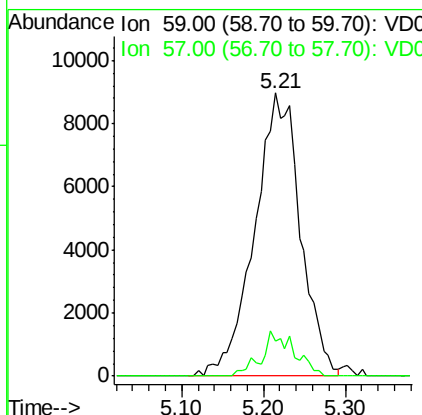
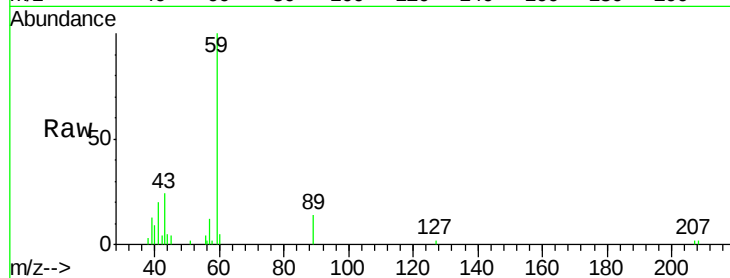
Tert butyl alcohol
Concen: 154.874 ug/l
RT: 5.21 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.0	13.4

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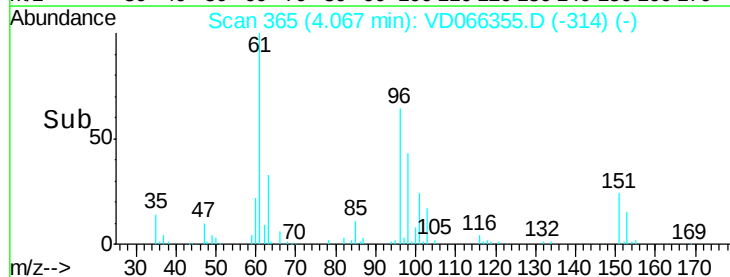
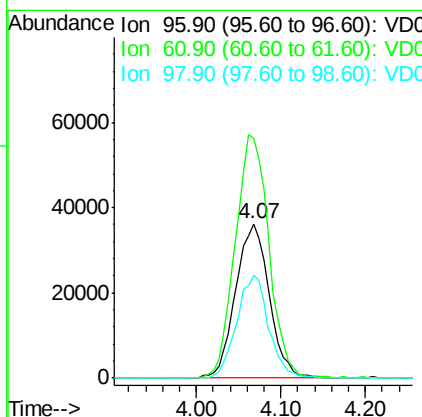
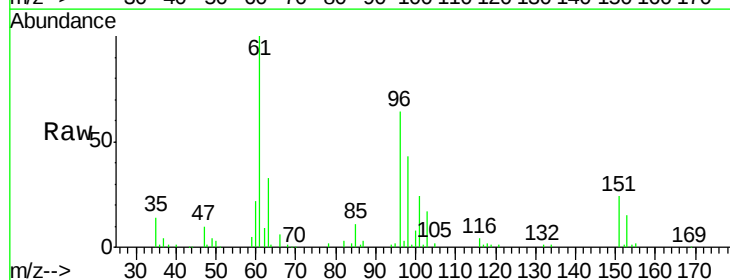
MMDadoda
8/24/2020 4:36:36 PM

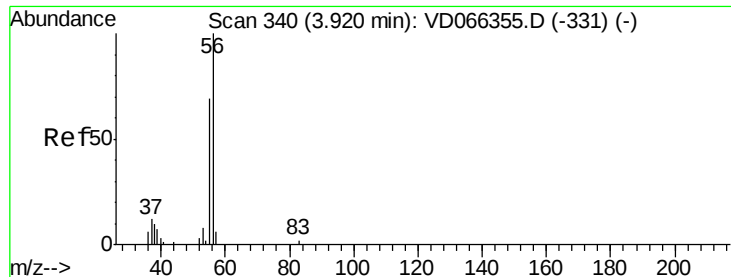


#12

1,1-Dichloroethene
Concen: 45.468 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	124.3	186.5
98	66.5	53.2	79.8





#13

Acrolein

Concen: 157.488 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 26577

Ion Ratio Lower Upper

56 100

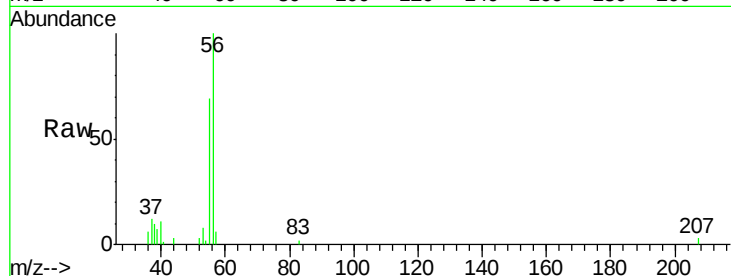
55 69.4 55.5 83.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

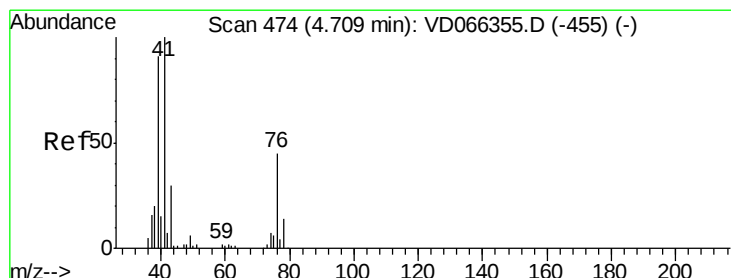
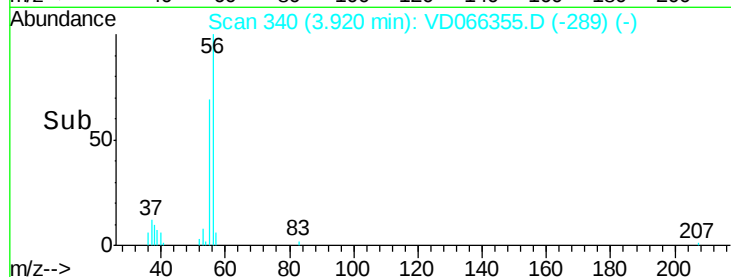
2000

0

Time--> 3.80

3.92

4.00



#14

Allyl chloride

Concen: 41.299 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

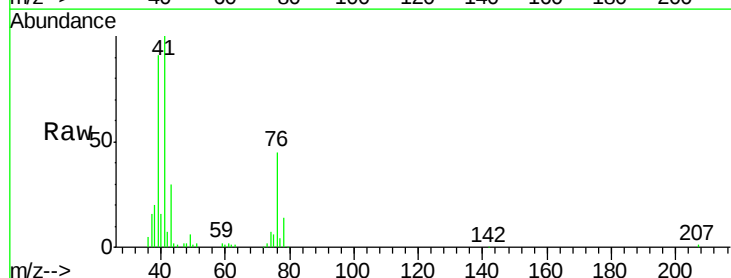
Tgt Ion: 41 Resp: 134849

Ion Ratio Lower Upper

41 100

39 91.0 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

60000

50000

40000

30000

20000

10000

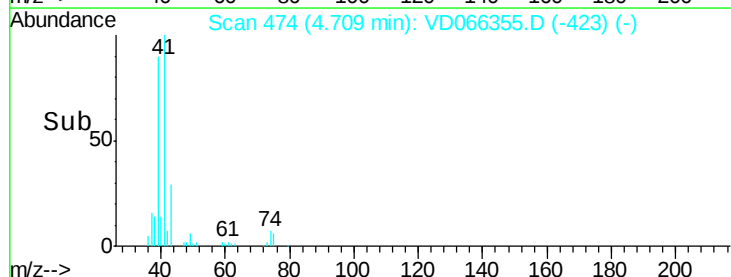
0

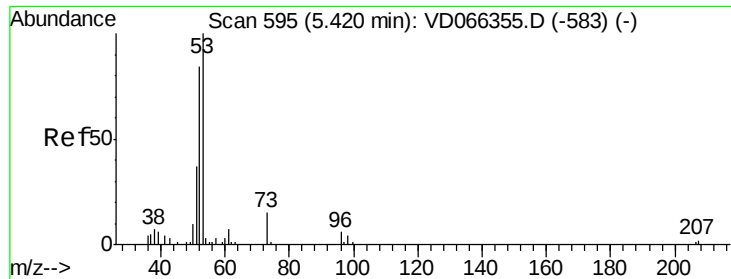
Time--> 4.50

4.60

4.70

4.80





#15

Acrylonitrile

Concen: 212.616 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

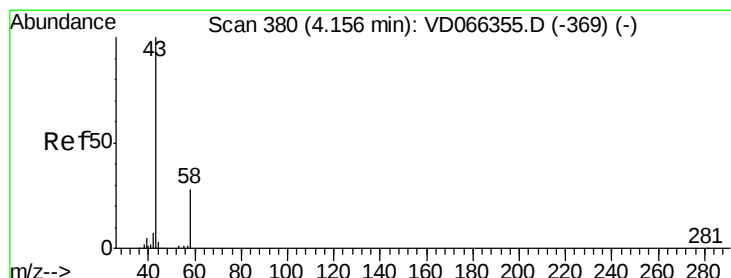
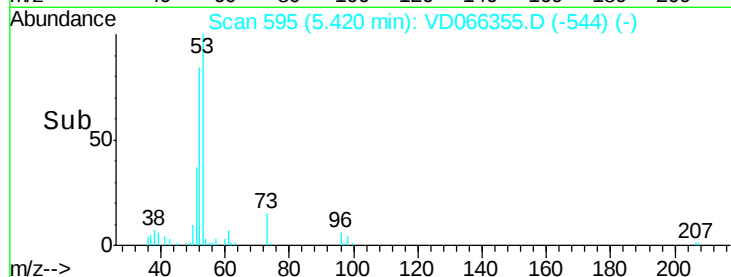
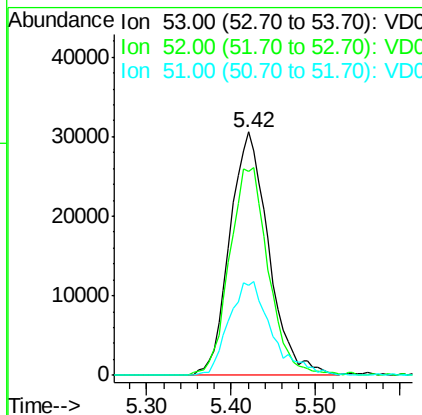
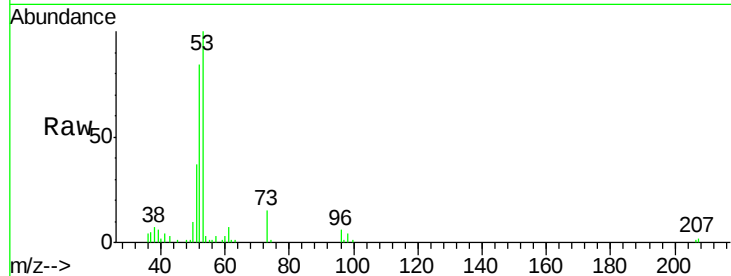
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	97726
Ion Ratio	Lower	Upper	
53	100		
52	85.1	68.1	102.1
51	42.2	33.8	50.6

Manual Integrations
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#16

Acetone

Concen: 256.021 ug/l

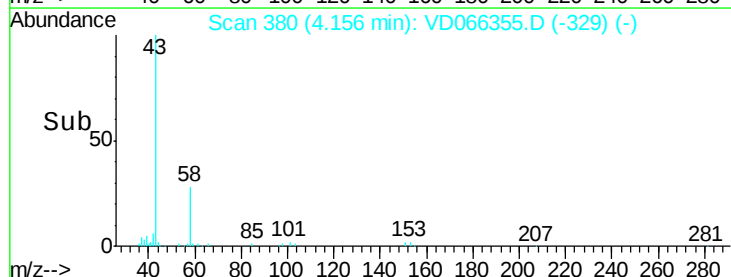
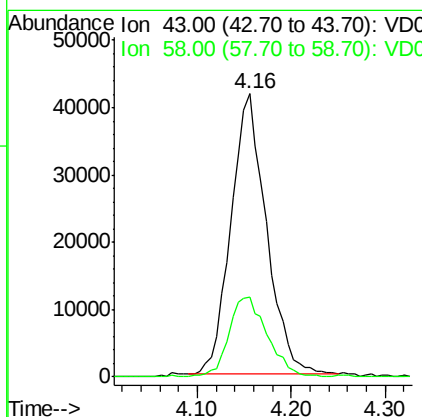
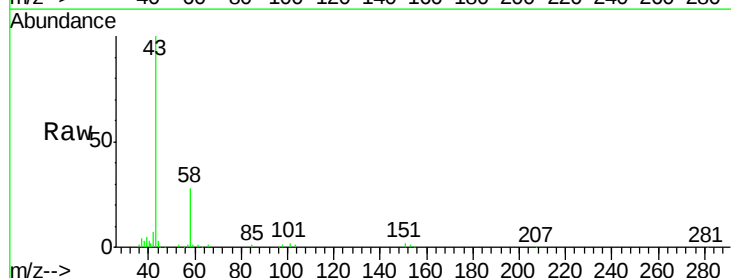
RT: 4.16 min Scan# 380

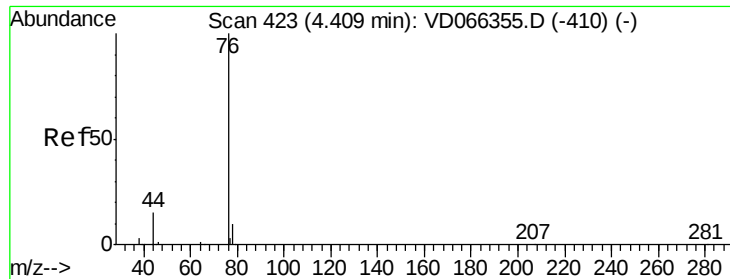
Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Tgt Ion:	43	Resp:	108745
Ion Ratio	Lower	Upper	
43	100		
58	28.4	22.7	34.1





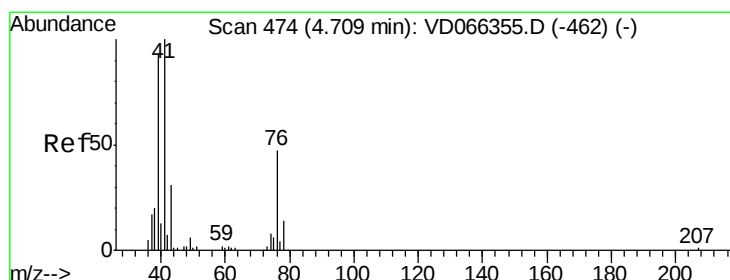
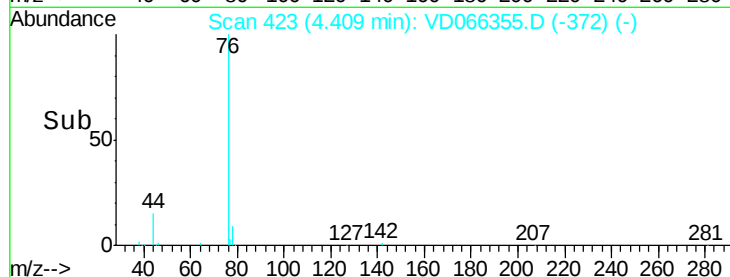
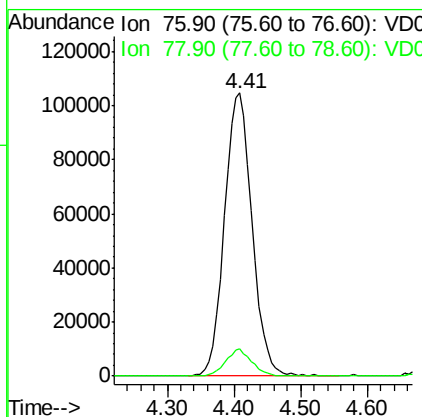
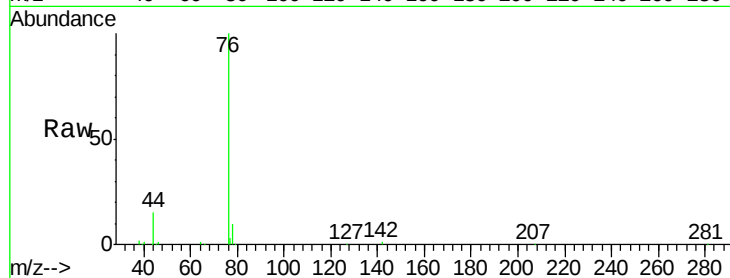
#17
Carbon Disulfide
Concen: 43.750 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.7	11.5

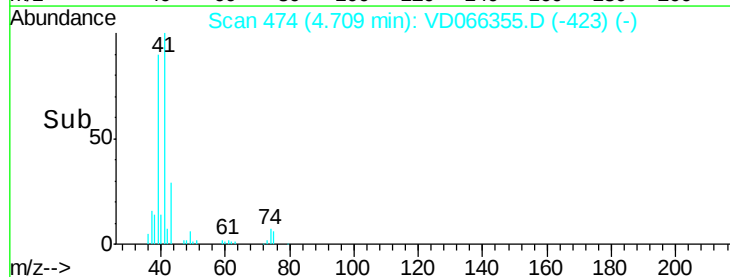
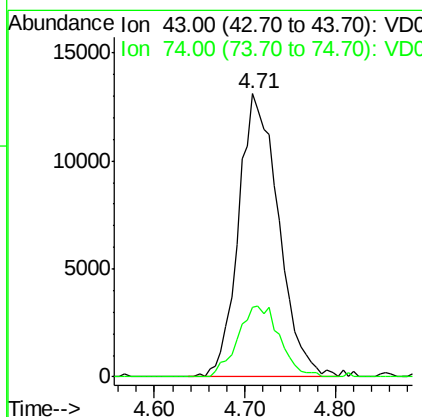
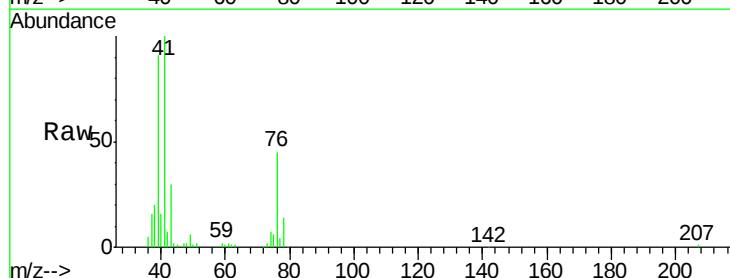
Manual Integrations
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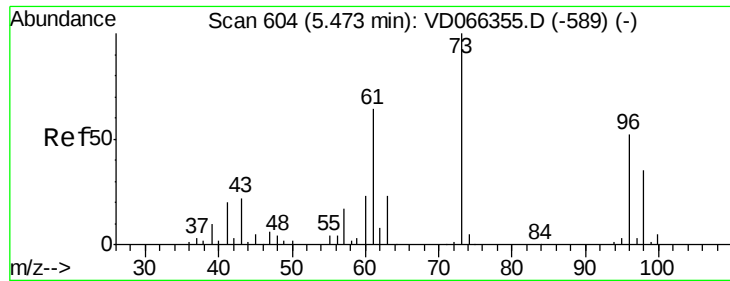
MMDadoda
8/24/2020 4:36:36 PM



#18
Methyl Acetate
Concen: 38.478 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	21.0	31.6





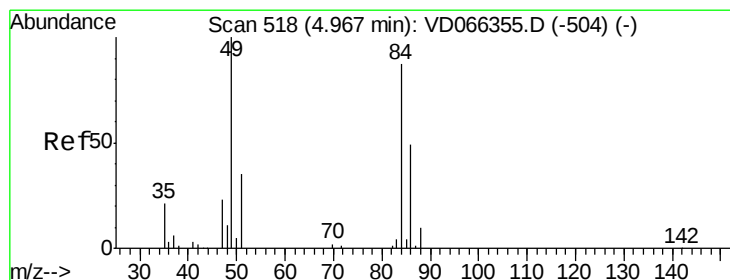
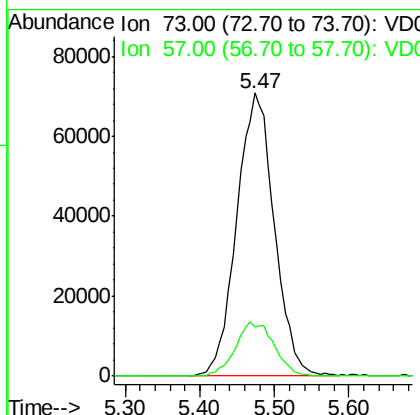
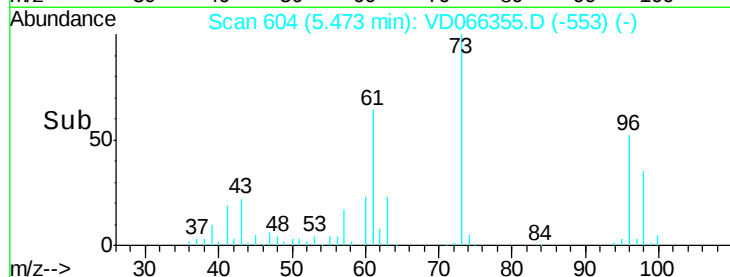
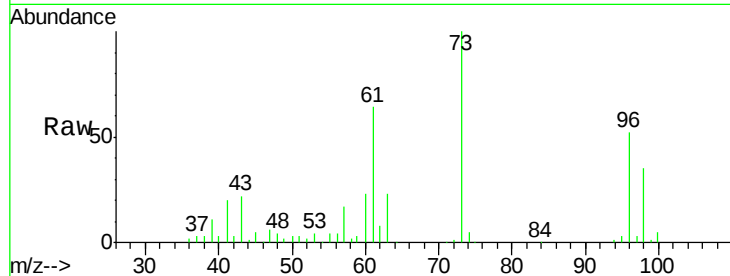
#19
Methvl tert-butvl Ether
Concen: 48.676 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 247610
Ion Ratio Lower Upper
73 100
57 17.2 13.8 20.6

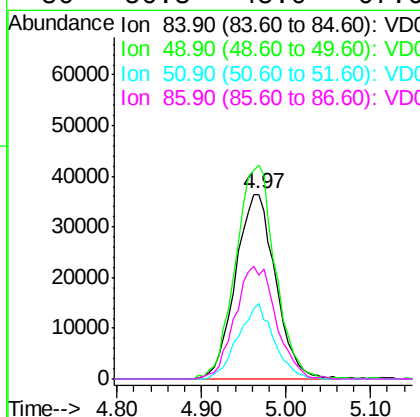
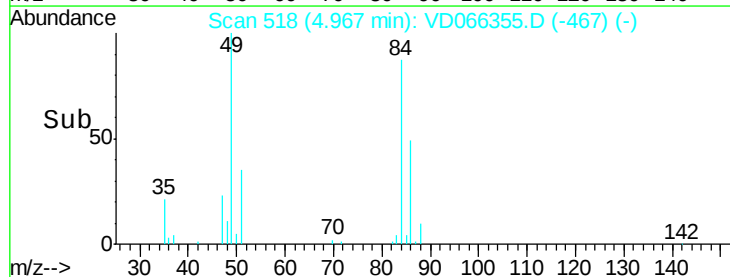
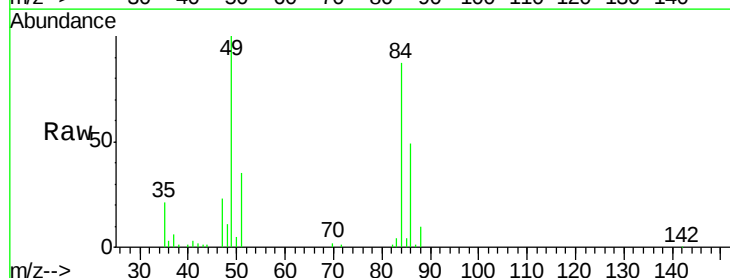
Manual Integrations
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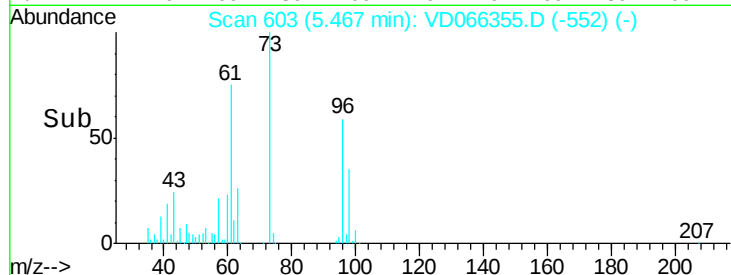
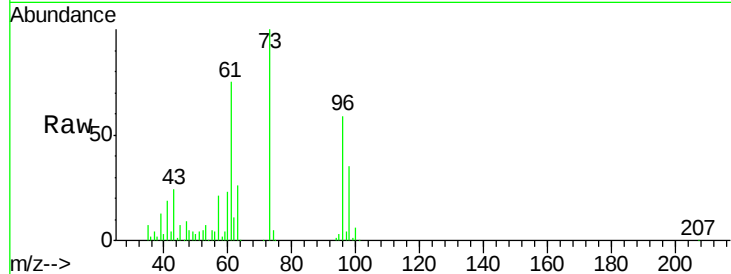
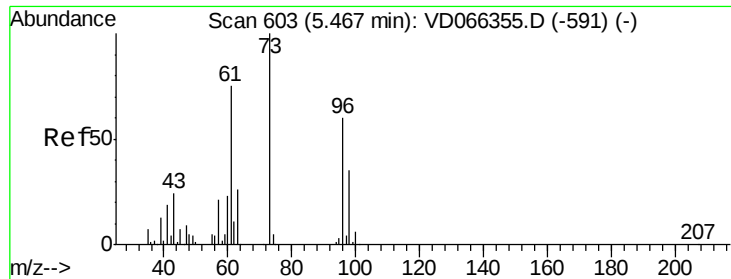
MMDadoda
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#20
Methylene Chloride
Concen: 41.513 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion: 84 Resp: 119220
Ion Ratio Lower Upper
84 100
49 115.6 92.5 138.7
51 40.6 32.5 48.7
86 56.3 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 45.038 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066355.D

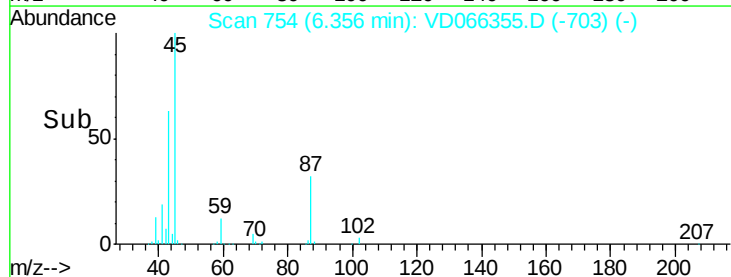
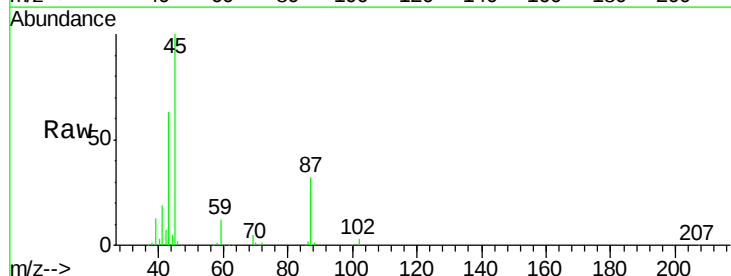
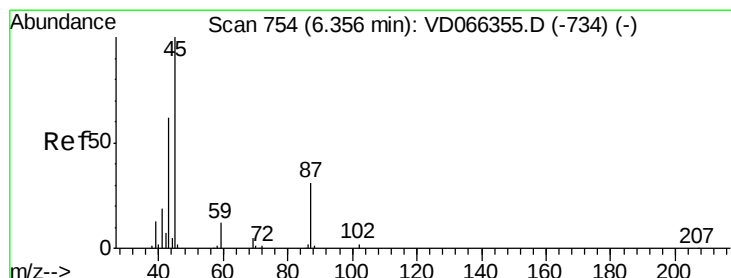
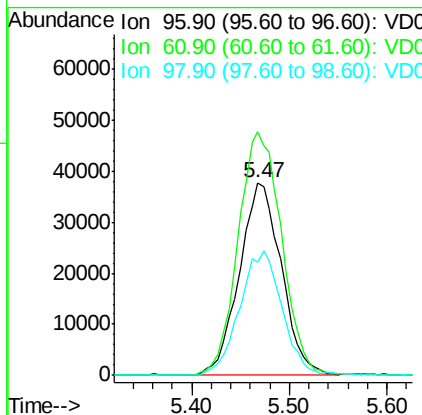
Acq: 21 Aug 2020 12:20

Tot Ion:	96	Resp:	113588
Ion	Ratio	Lower	Upper
96	100		
61	126.4	101.1	151.7
98	58.8	47.0	70.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 41.593 ug/l

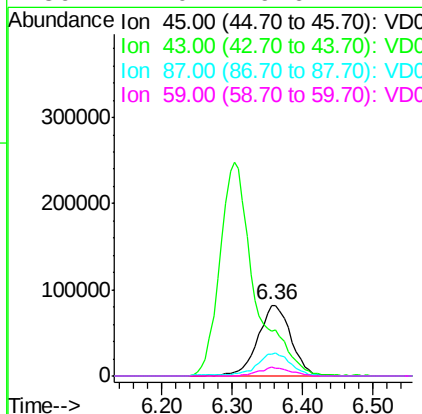
RT: 6.36 min Scan# 754

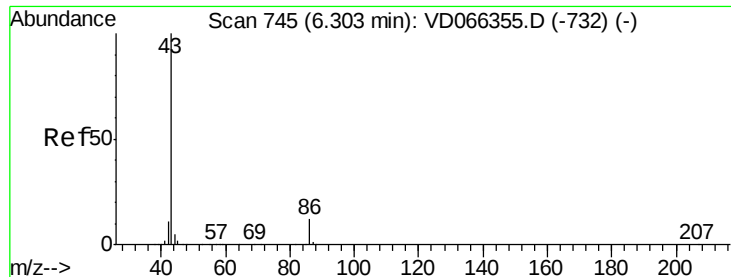
Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Tgt Ion:	45	Resp:	268531
Ion	Ratio	Lower	Upper
45	100		
43	62.3	49.8	74.8
87	31.3	25.0	37.6
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 222.439 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 847266

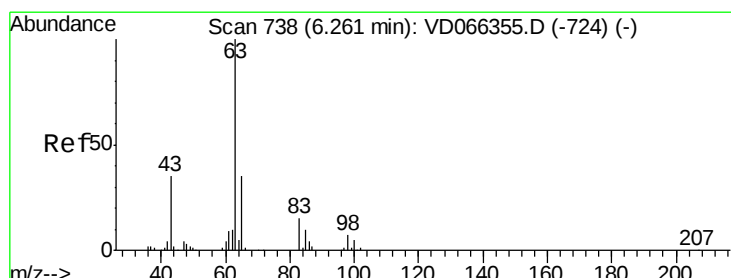
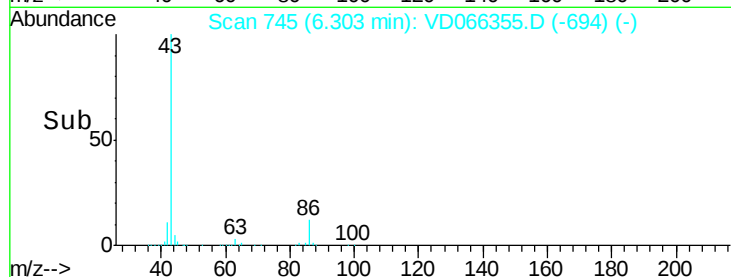
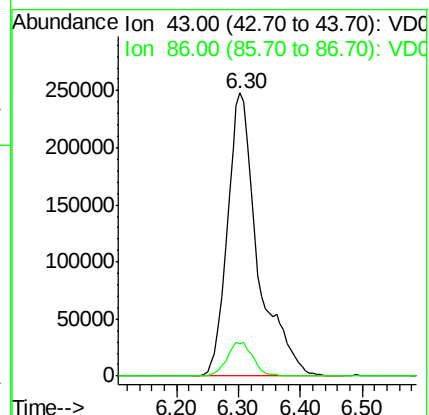
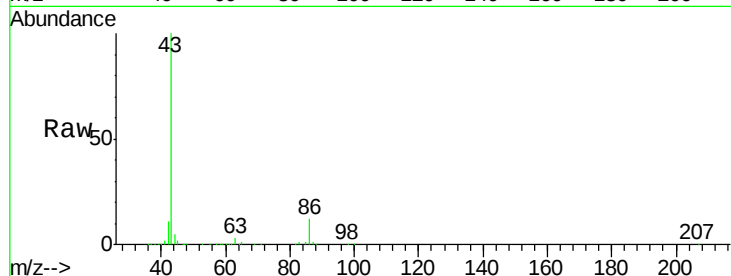
Ion Ratio Lower Upper

43 100

86 11.7 9.4 14.0

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



#24

1,1-Dichloroethane

Concen: 44.519 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

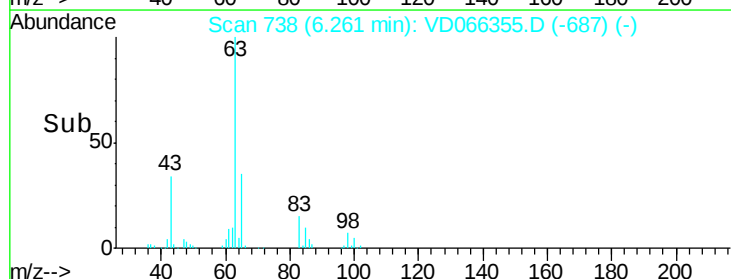
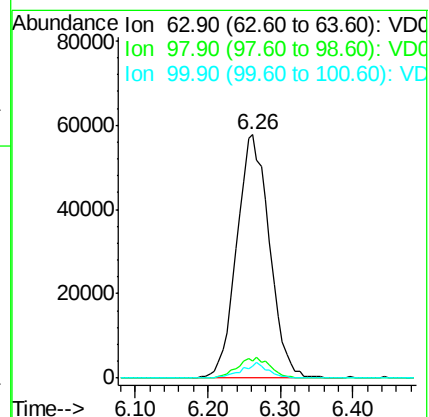
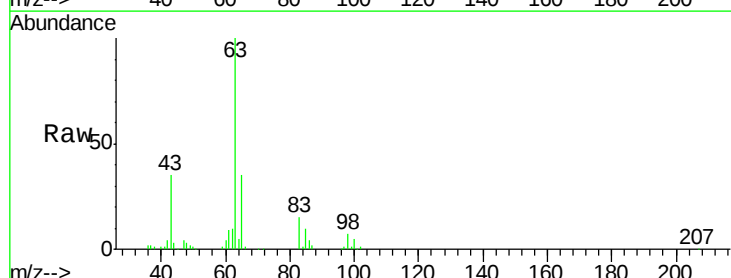
Tgt Ion: 63 Resp: 180593

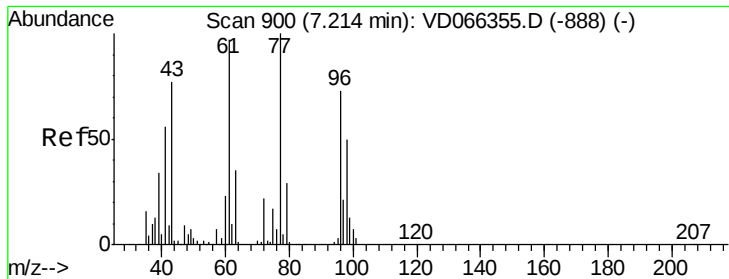
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 5.1 2.5 7.6





#25

2-Butanone

Concen: 203.538 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 123533

Ion Ratio Lower Upper

43 100

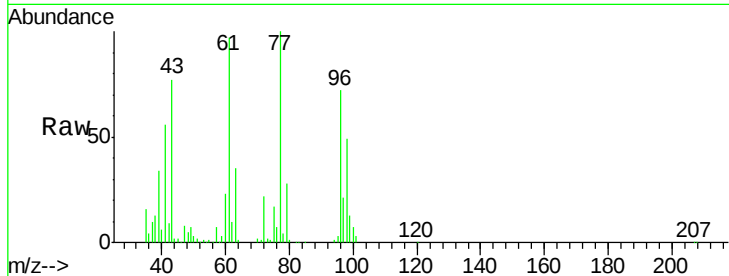
72 28.1 22.5 33.7

Manual Integrations

APPROVED

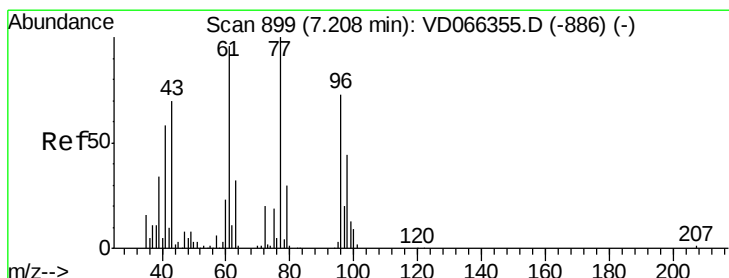
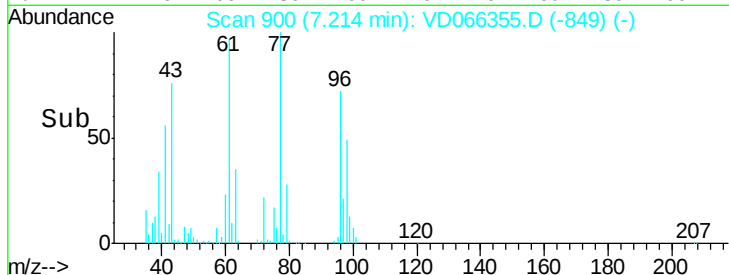
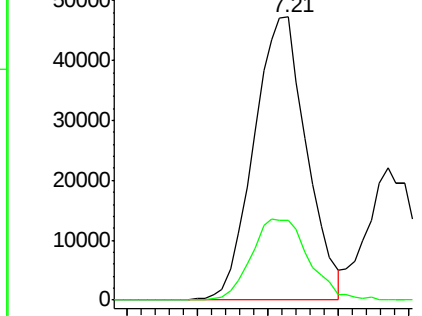
MMDadoda

8/24/2020 4:36:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.566 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066355.D

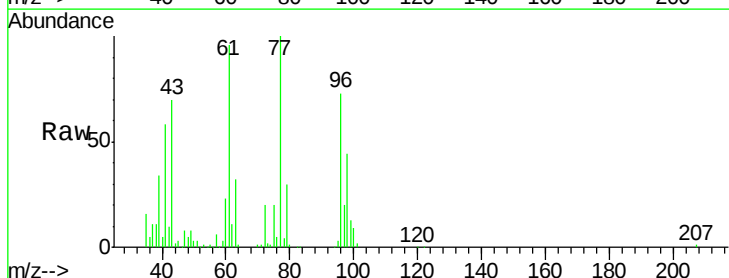
Acq: 21 Aug 2020 12:20

Tgt Ion: 77 Resp: 197984

Ion Ratio Lower Upper

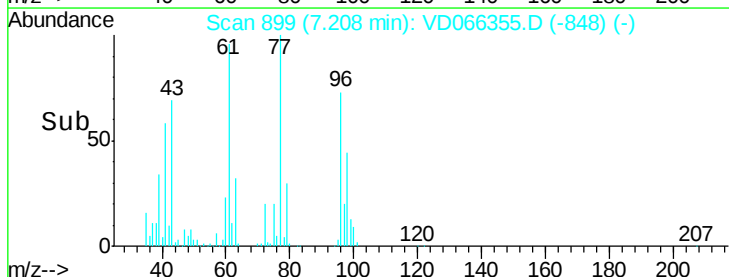
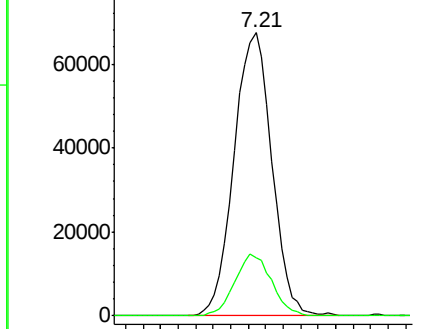
77 100

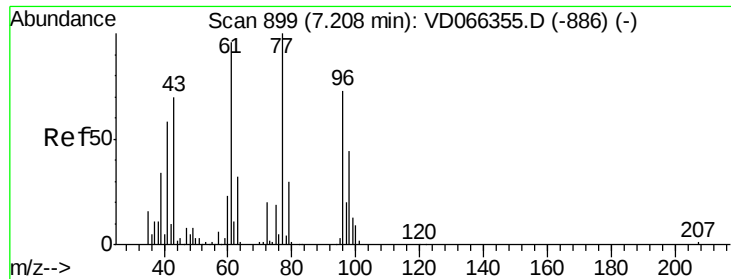
97 21.3 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





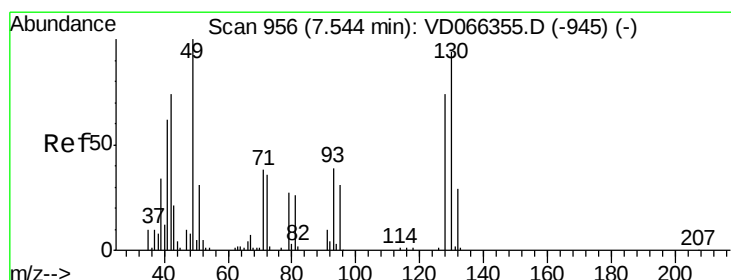
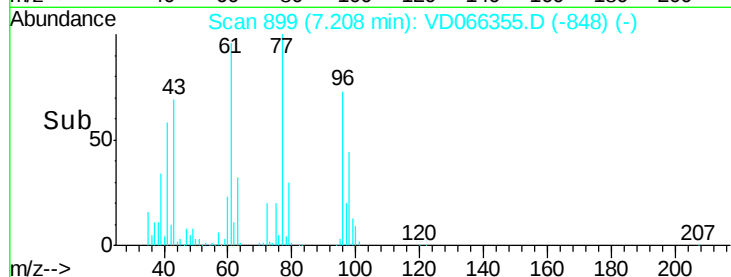
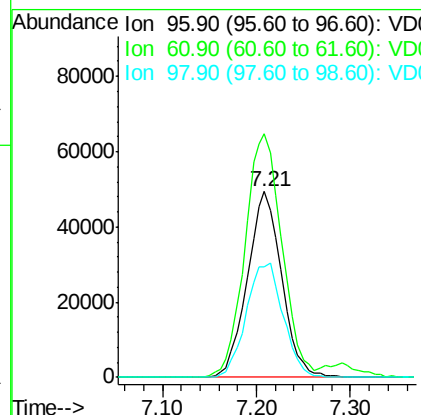
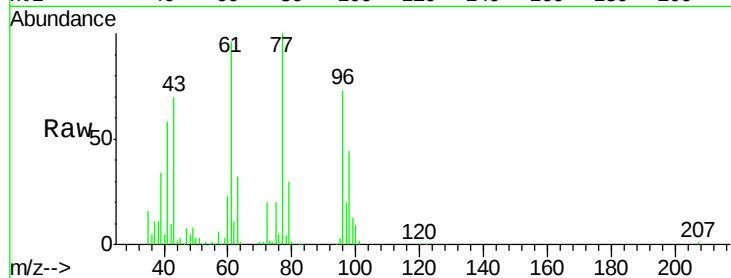
#27
 cis-1,2-Dichloroethene
 Concen: 47.039 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.7	0.0	281.4	
98	66.1	0.0	132.2	

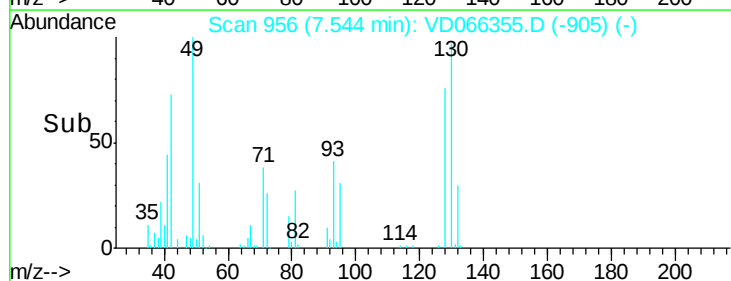
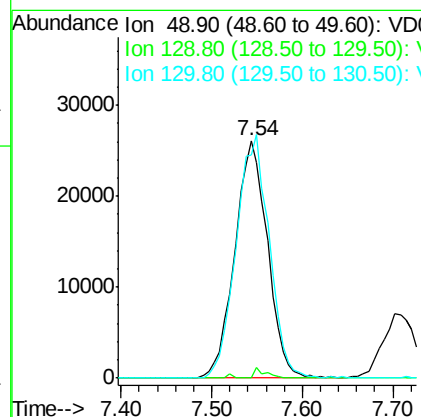
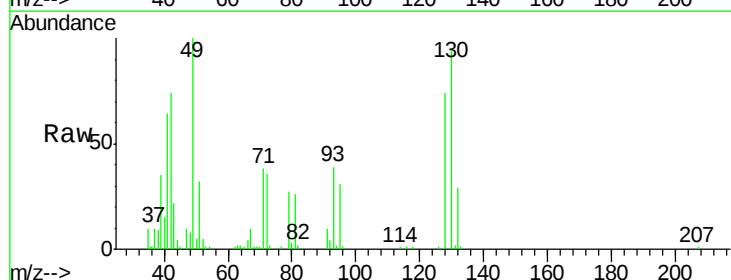
Manual Integrations
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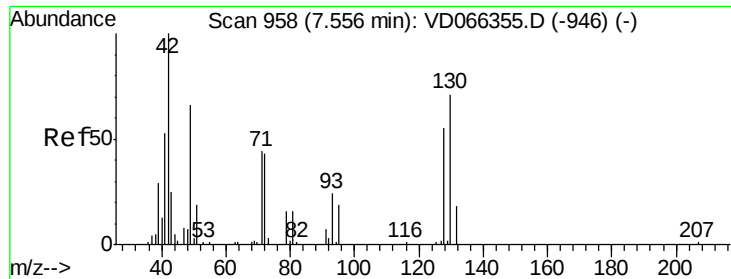
MMDadoda
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#28
 Bromochloromethane
 Concen: 46.031 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.0	
130	103.3	82.6	124.0	





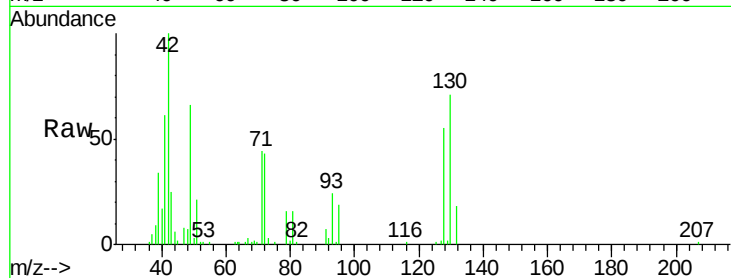
#29
Tetrahydrofuran
Concen: 194.530 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

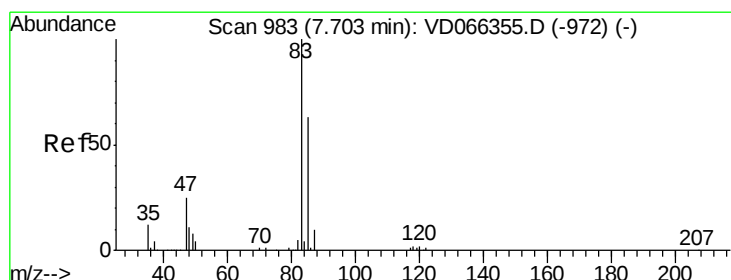
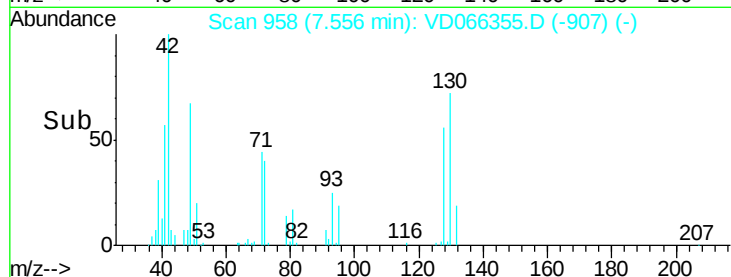
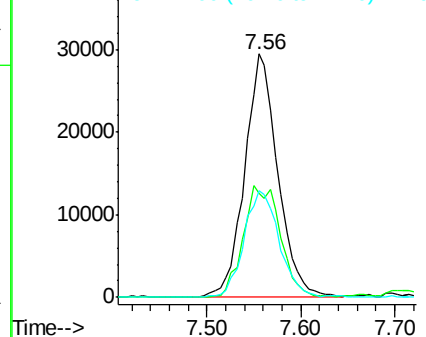
Tot Ion	Ratio	Lower	Upper
42	100		
72	51.2	41.0	61.4
71	46.5	37.2	55.8

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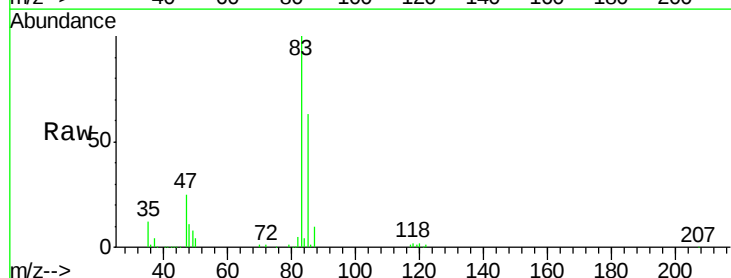


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

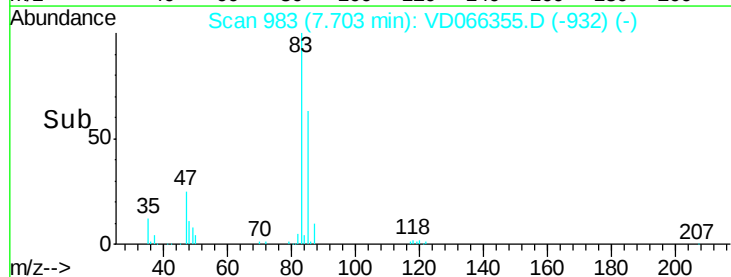
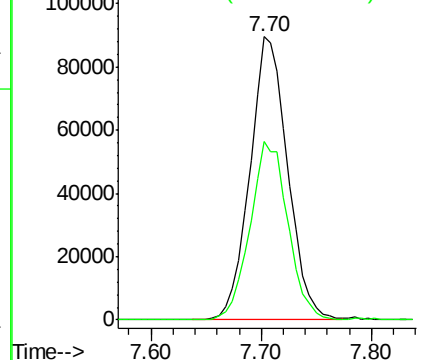


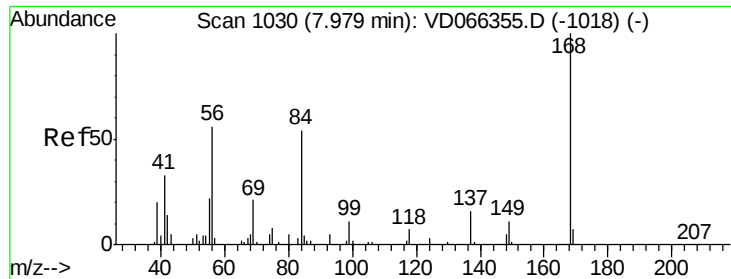
#30
Chloroform
Concen: 49.433 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.3	75.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





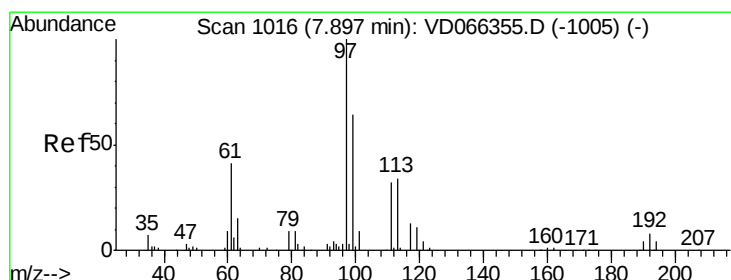
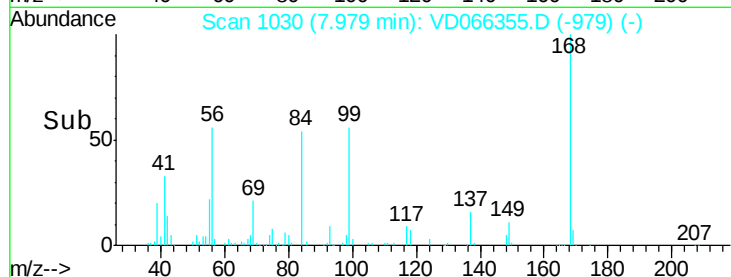
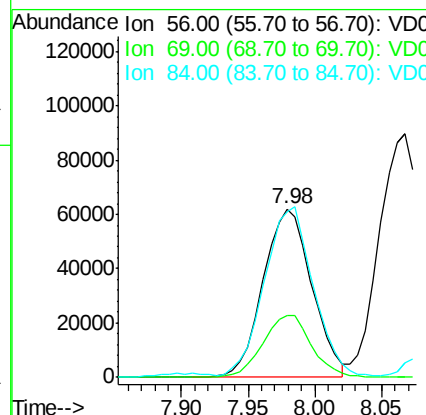
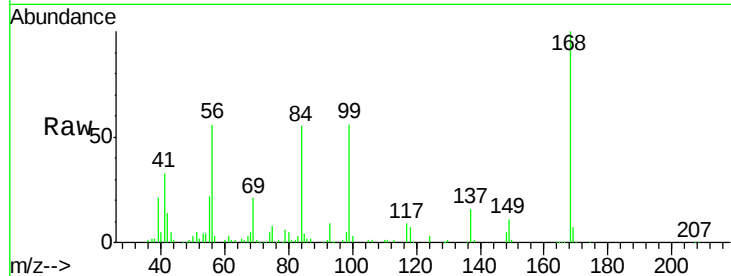
#31
Cyclohexane
Concen: 40.832 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	37.0	29.6	44.4	
84	95.8	76.6	115.0	

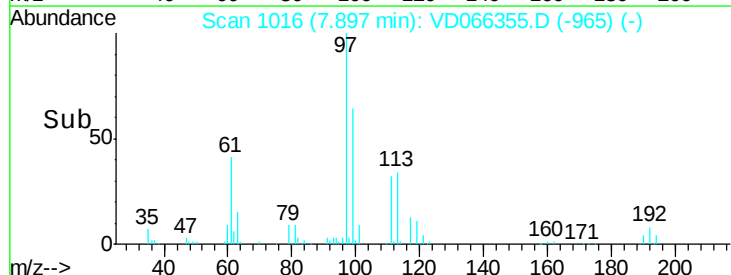
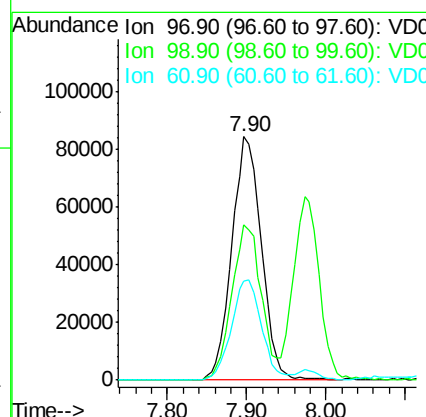
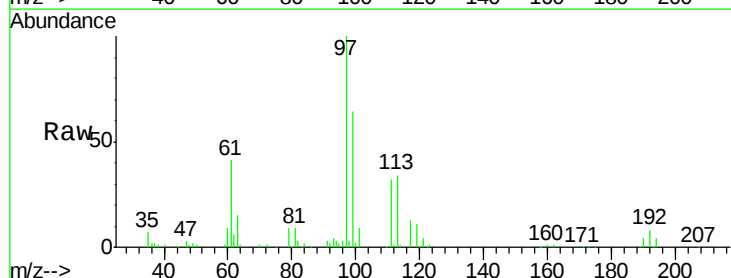
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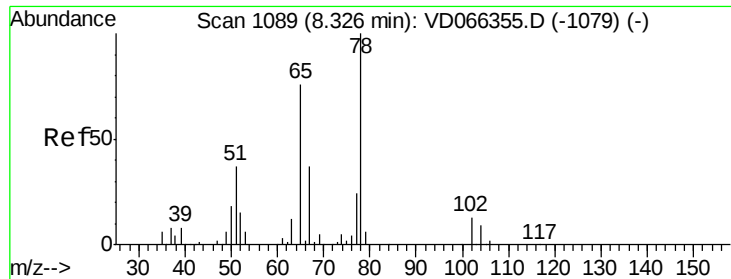
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.943 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.4	51.5	77.3	
61	41.6	33.3	49.9	





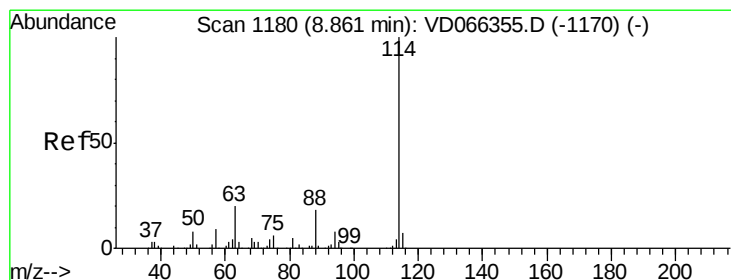
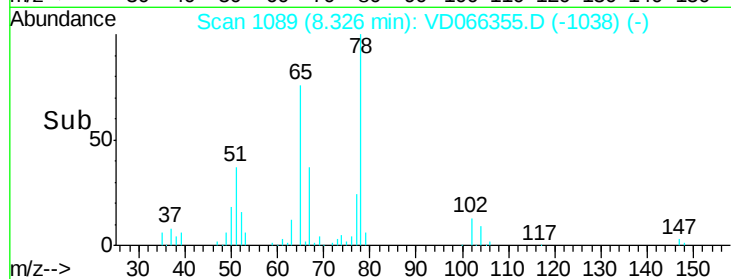
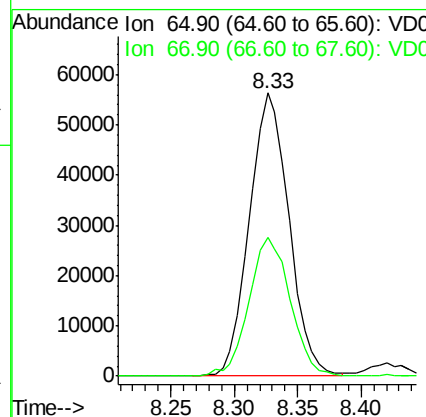
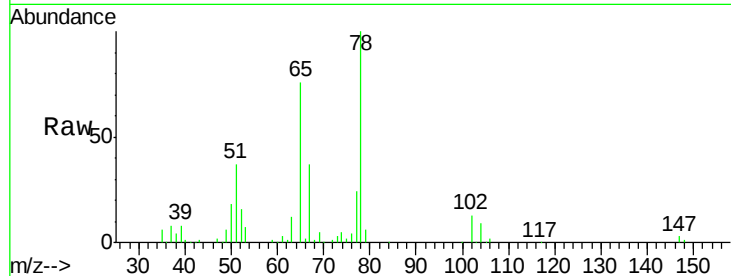
#33
 1,2-Dichloroethane-d4
 Concen: 54.168 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	122828		
67	50.8	0.0	101.6	

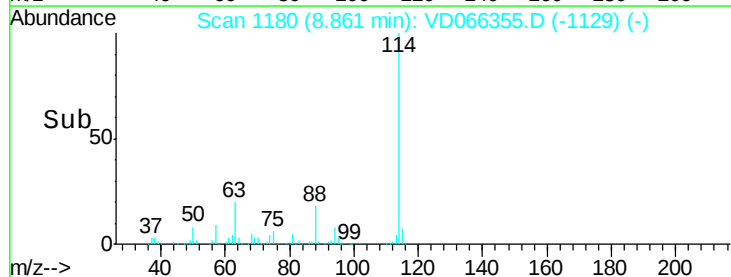
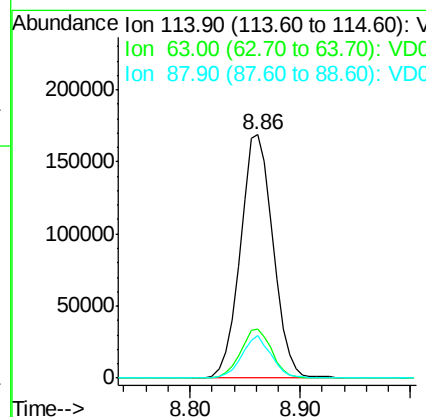
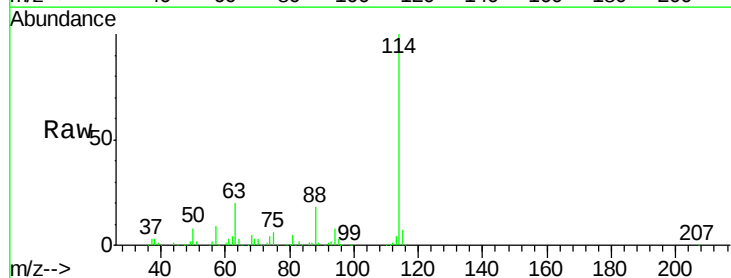
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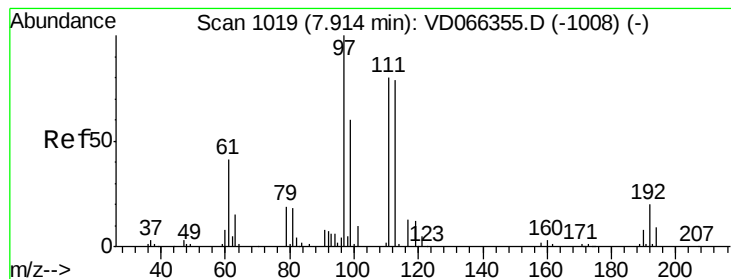
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	351627		
63	20.4	0.0	40.8	
88	17.7	0.0	35.4	





#35

Dibromofluoromethane

Concen: 50.507 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

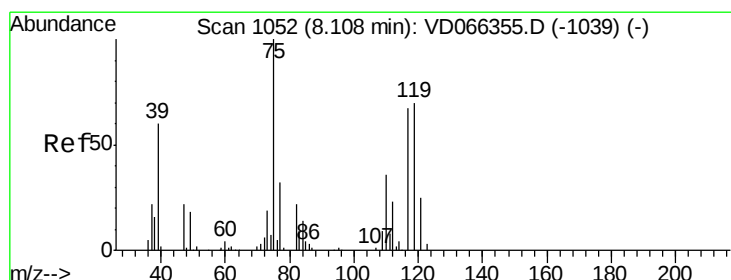
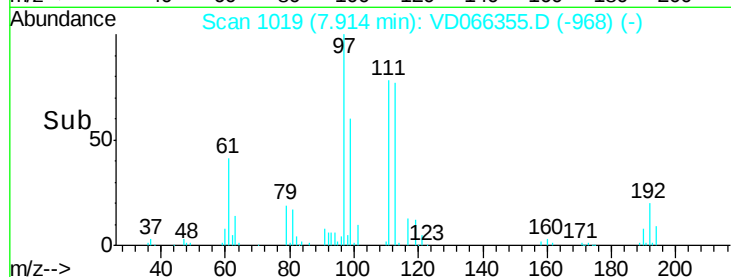
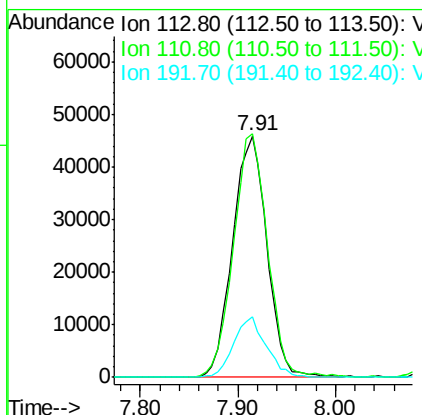
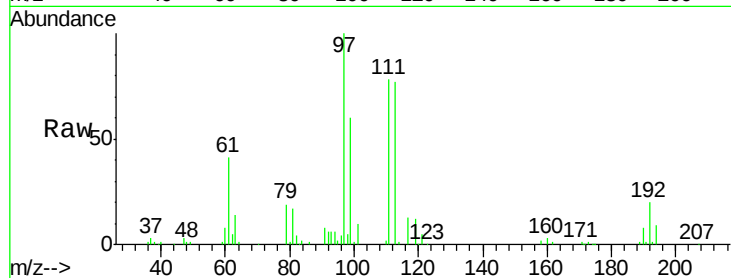
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	112062
Ion	Ratio	Lower	Upper
113	100		
111	100.4	80.3	120.5
192	23.8	19.0	28.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.240 ug/l

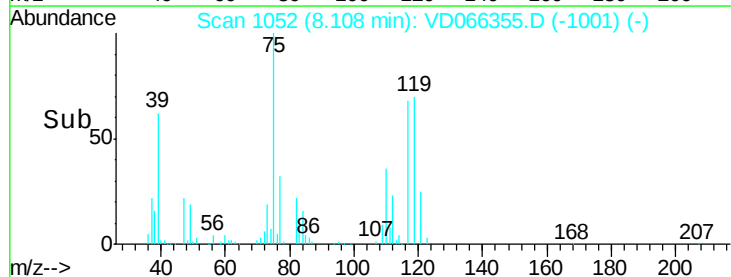
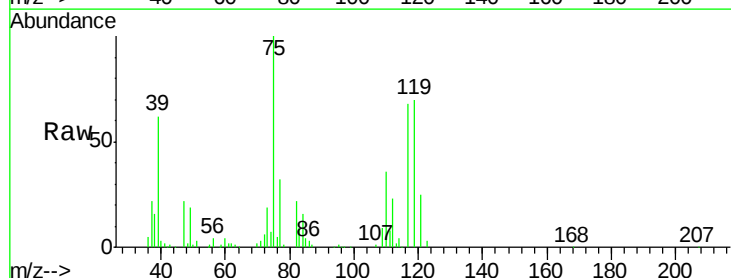
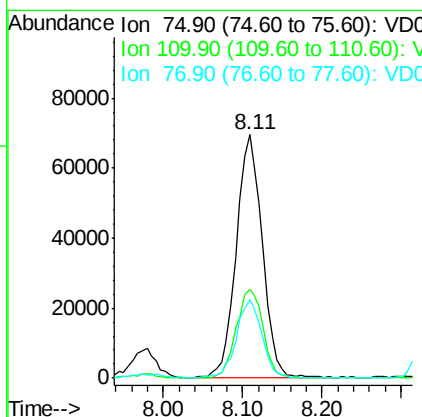
RT: 8.11 min Scan# 1052

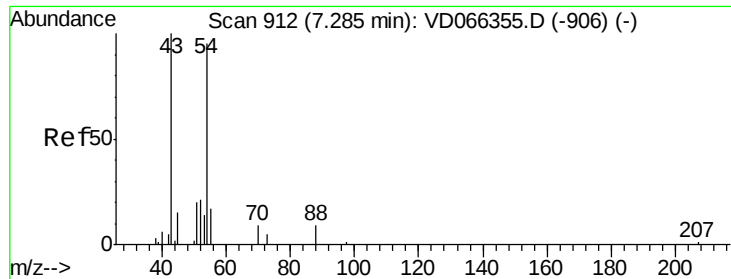
Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Tgt Ion:	75	Resp:	158906
Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.7	56.1
77	31.5	25.2	37.8





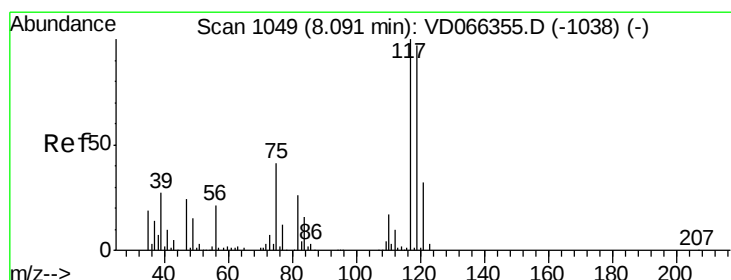
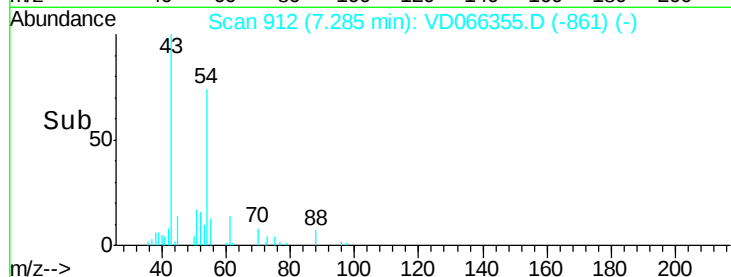
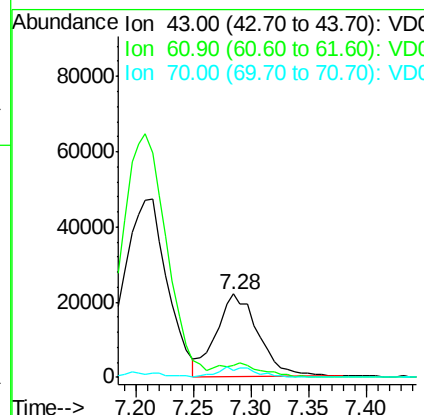
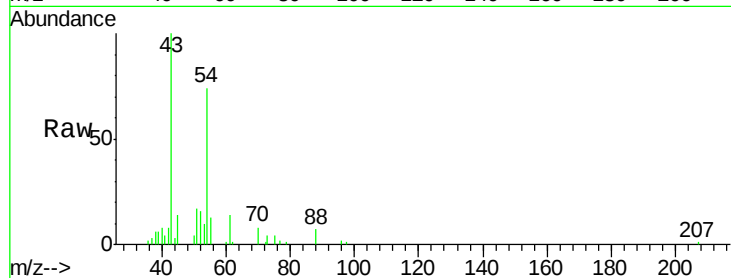
#37
Ethyl Acetate
Concen: 42.635 ug/l
RT: 7.28 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.6	13.3	19.9
70	4.4	3.5	5.3

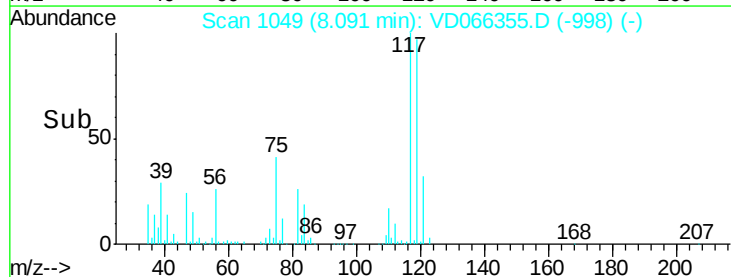
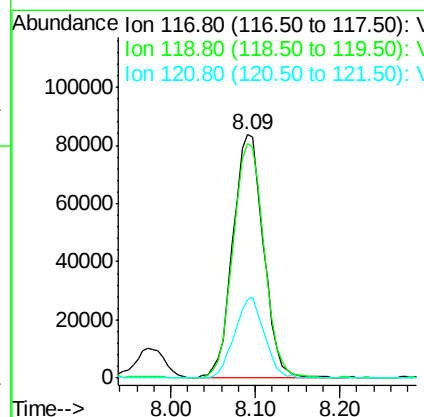
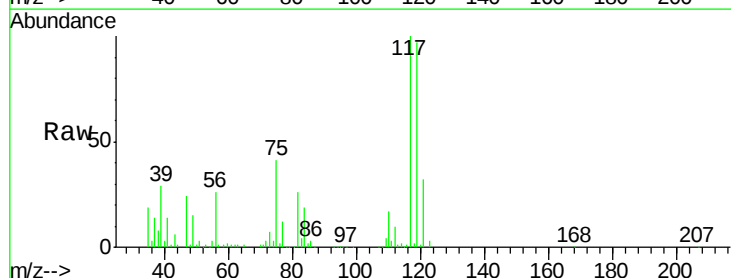
Manual Integrations
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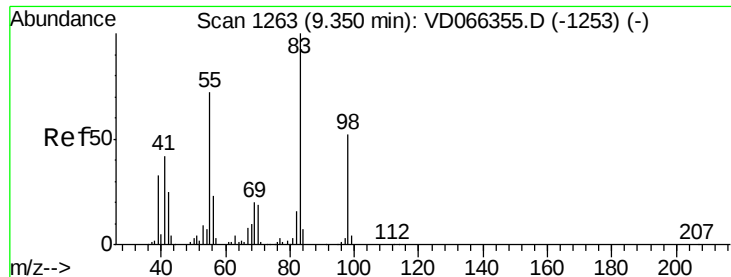
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#38
Carbon Tetrachloride
Concen: 55.008 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	32.3	25.8	38.8





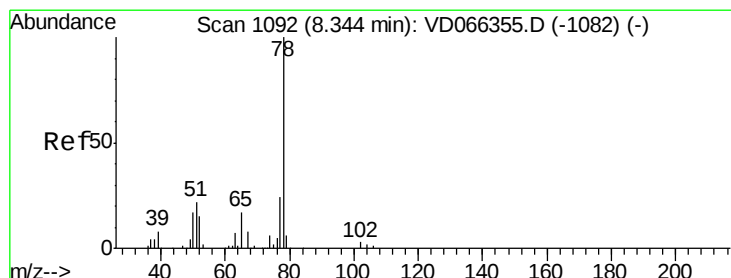
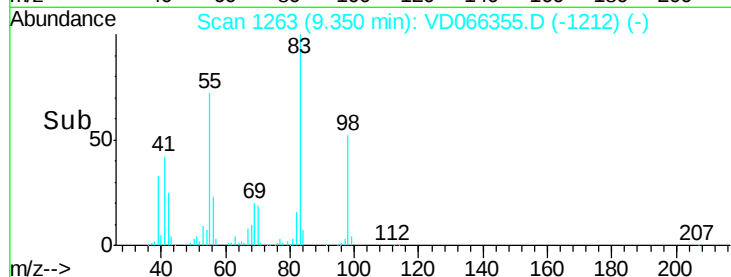
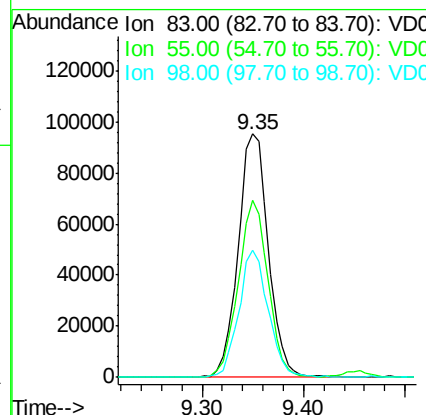
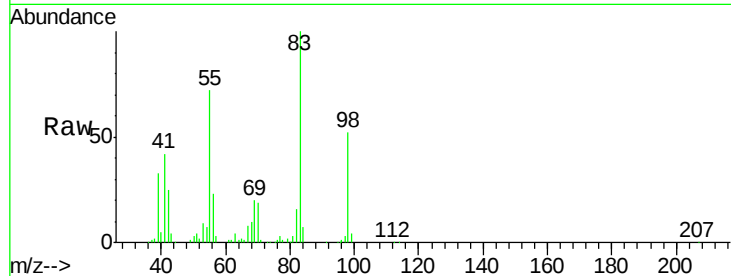
#39
Methvlcvclohexane
Concen: 49.466 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	58.0	87.0
98	52.4	41.9	62.9

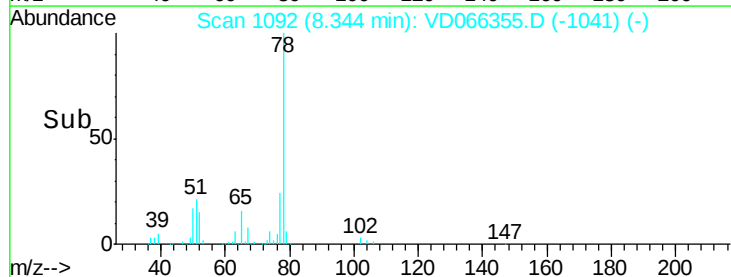
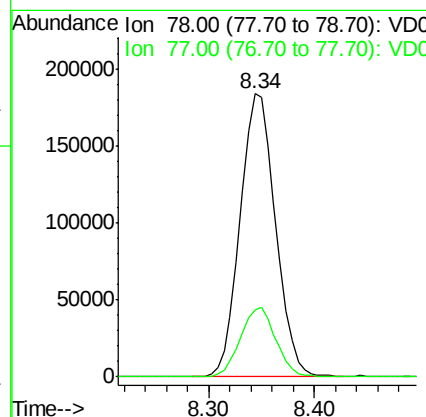
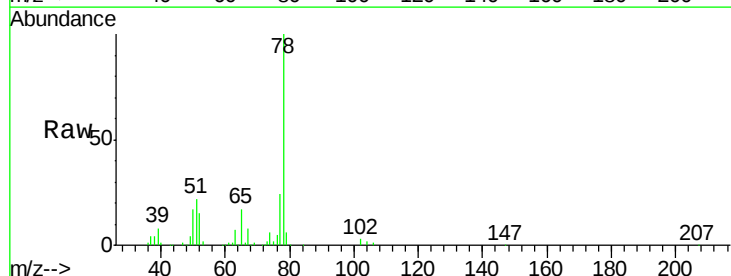
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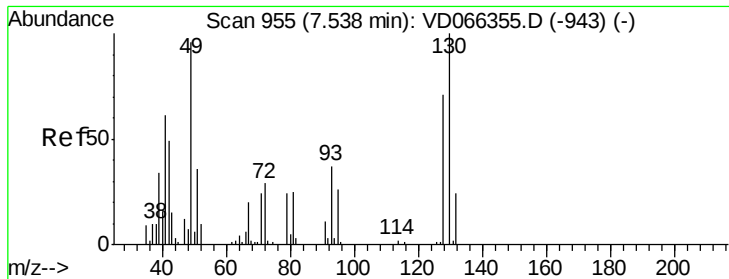
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#40
Benzene
Concen: 46.959 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 47.636 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 36695

Ion Ratio Lower Upper

41 100

39 64.8 51.8 77.8

67 0.0 0.0 0.0

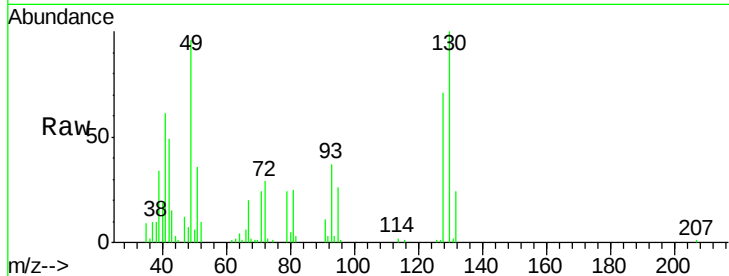
52 0.0 0.0 0.0

Manual Integrations

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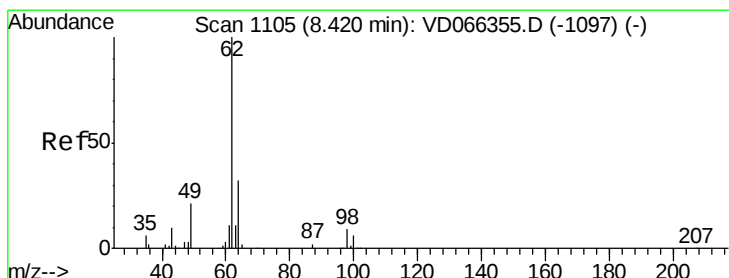
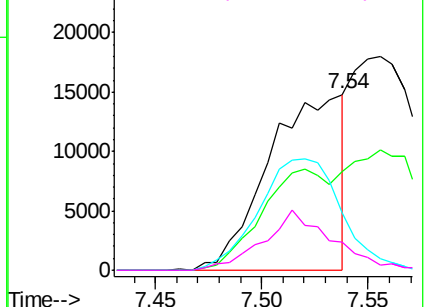
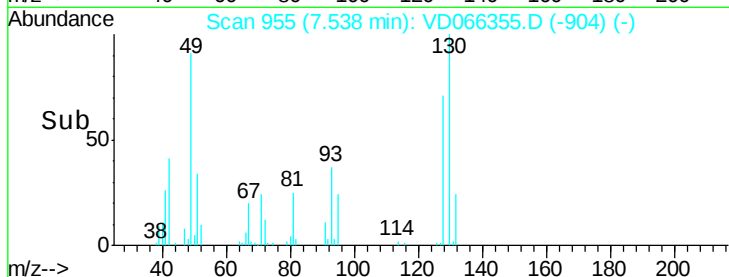


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.519 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066355.D

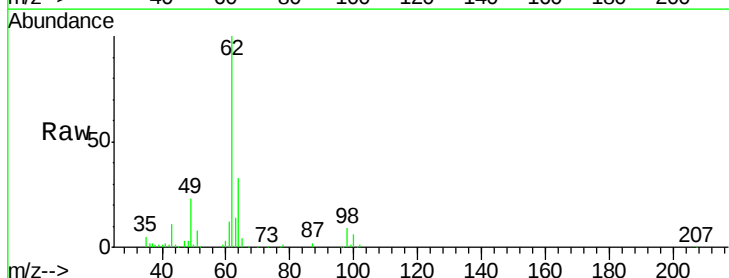
Acq: 21 Aug 2020 12:20

Tgt Ion: 62 Resp: 150557

Ion Ratio Lower Upper

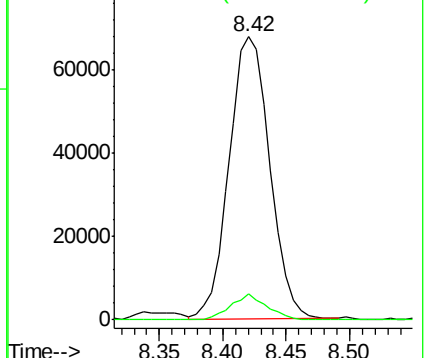
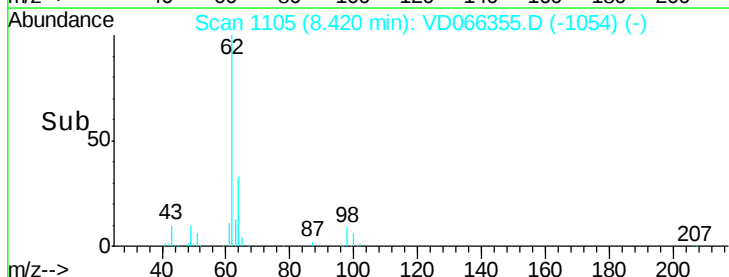
62 100

98 8.1 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 44.028 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

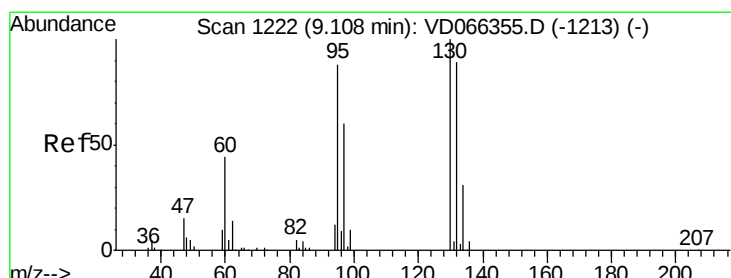
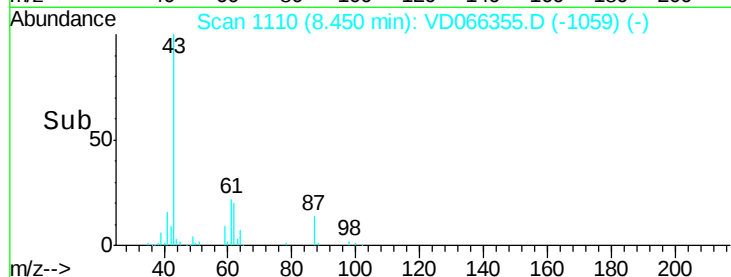
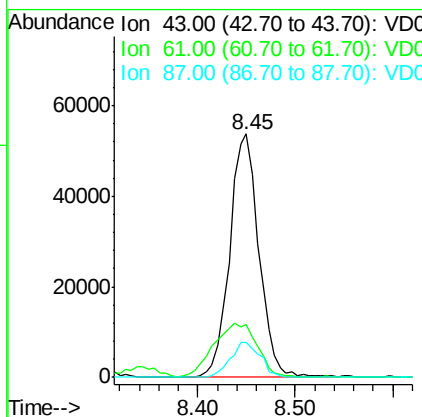
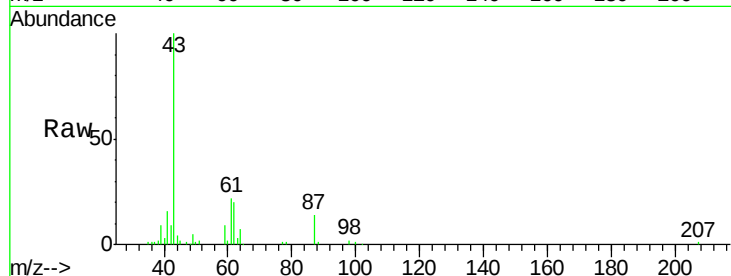
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	111790
Ion	Ratio	Lower	Upper
43	100		
61	33.1	26.5	39.7
87	14.9	11.9	17.9

Manual Integrations
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#44

Trichloroethene

Concen: 49.075 ug/l

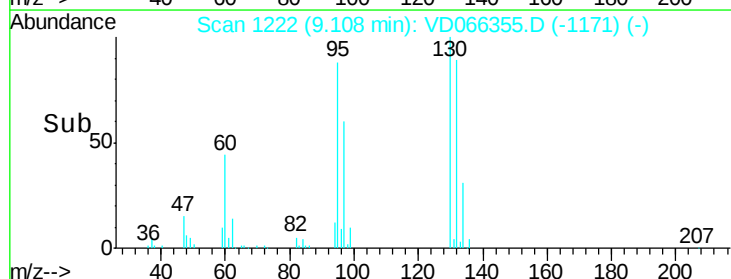
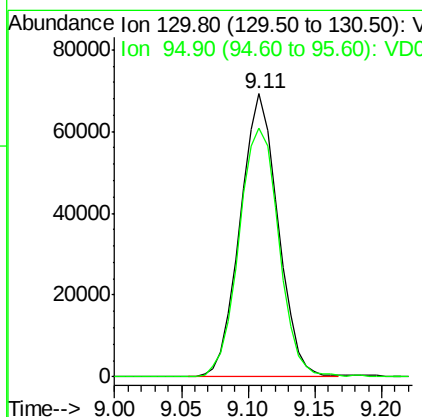
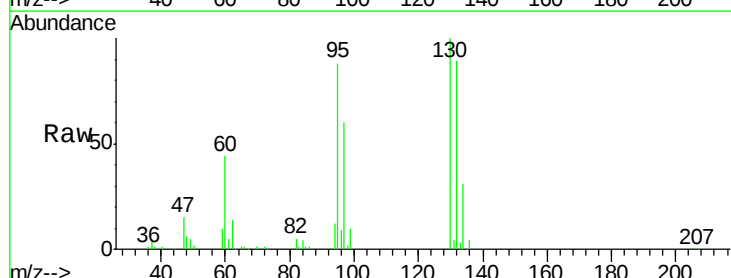
RT: 9.11 min Scan# 1222

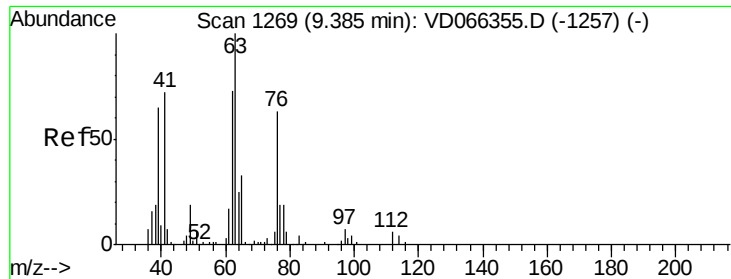
Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Tgt Ion:	130	Resp:	135999
Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	175.6





#45

1,2-Dichloropropane

Concen: 44.057 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 97214

Ion Ratio Lower Upper

63 100

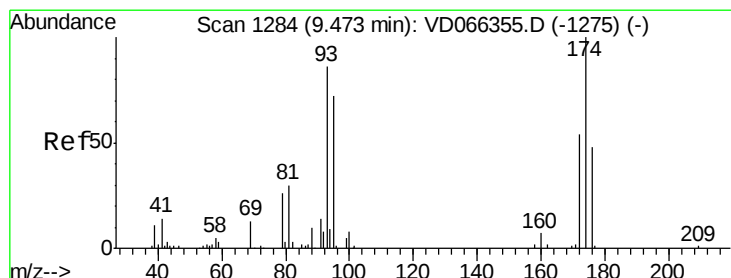
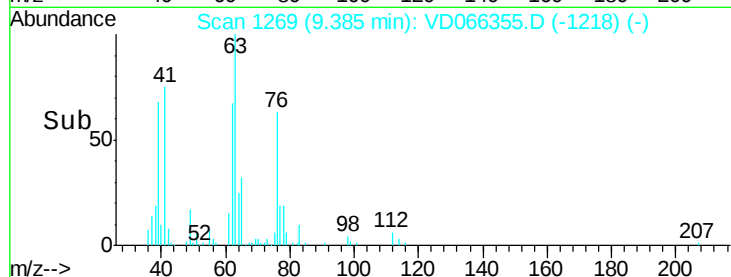
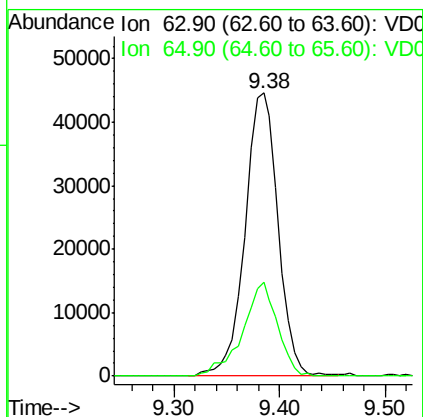
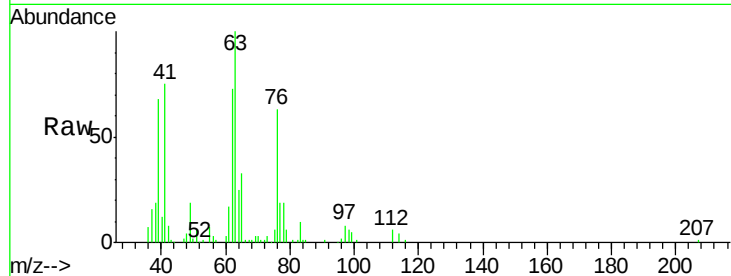
65 33.0 26.4 39.6

Manual Integrations

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#46

Dibromomethane

Concen: 49.382 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

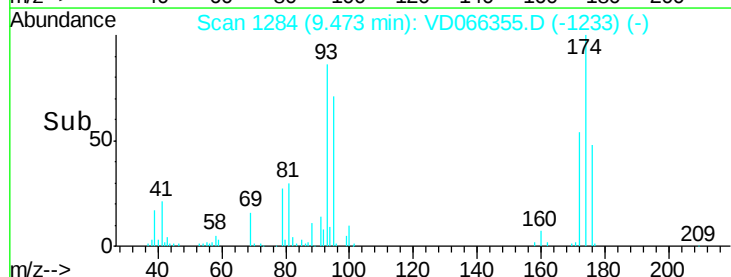
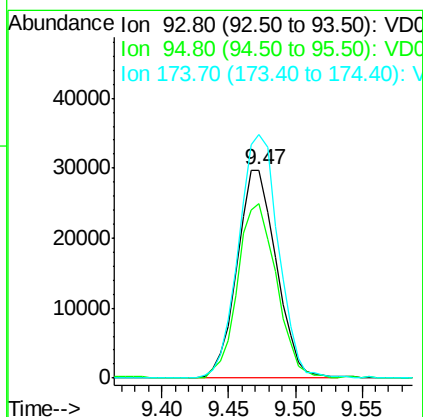
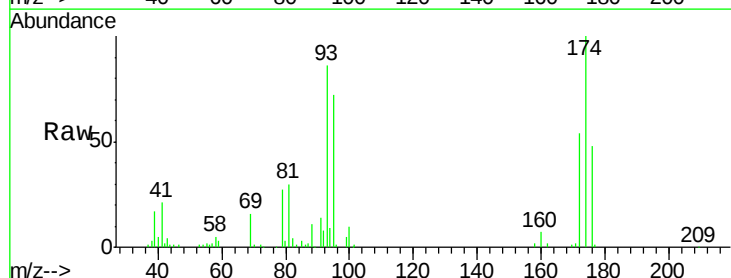
Tgt Ion: 93 Resp: 60846

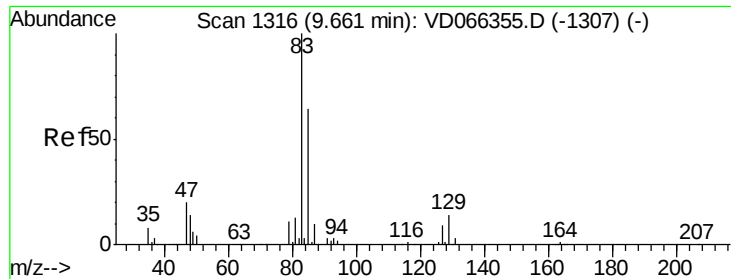
Ion Ratio Lower Upper

93 100

95 82.5 66.0 99.0

174 118.2 94.6 141.8





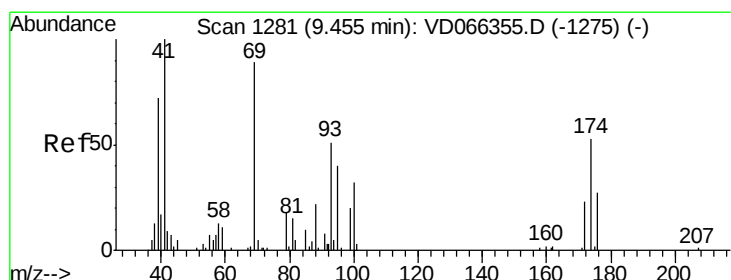
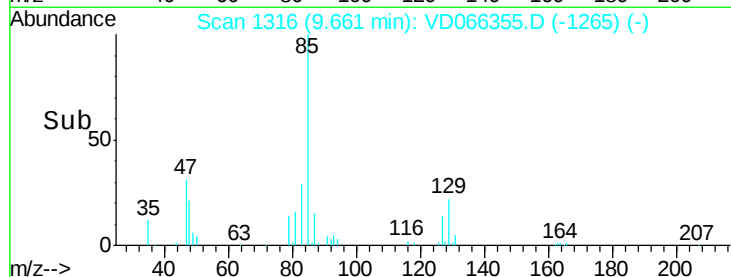
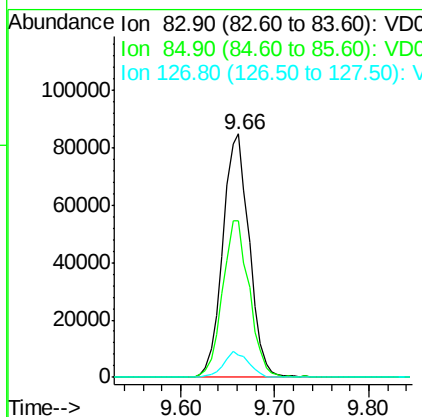
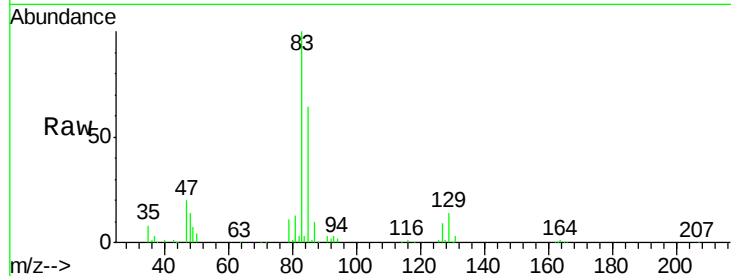
#47
Bromodichloromethane
Concen: 50.595 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	166349
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.4	77.0
127	9.2	7.4	11.0

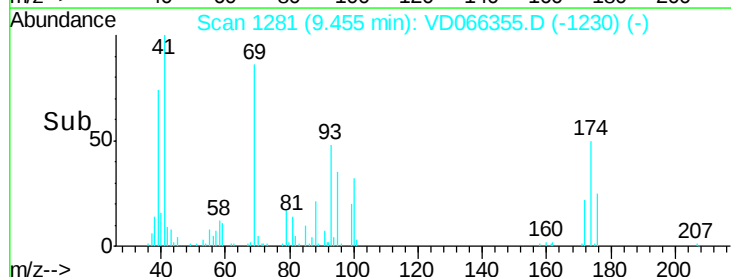
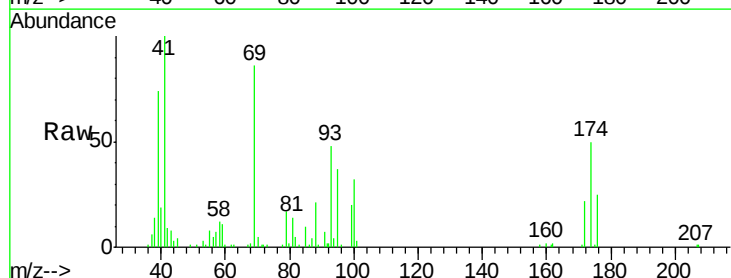
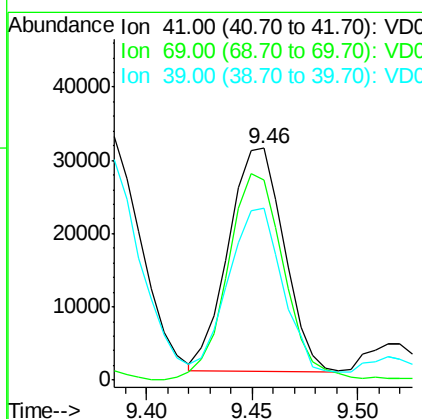
Manual Integrations
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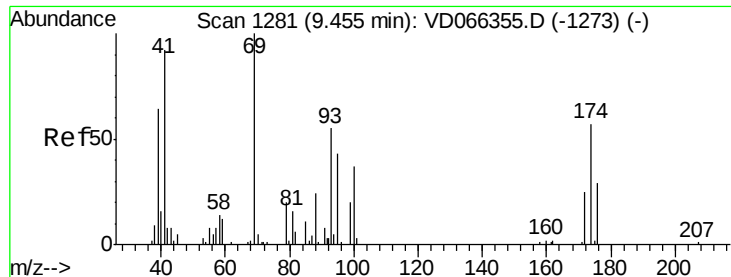
MMDadoda
8/24/2020 4:36:36 PM



#48
Methyl methacrylate
Concen: 43.573 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	41	Resp	55674
Ion Ratio	100	Lower	Upper
41	100		
69	94.4	75.5	113.3
39	71.2	57.0	85.4





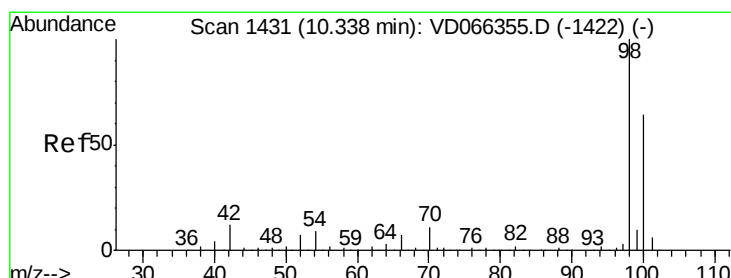
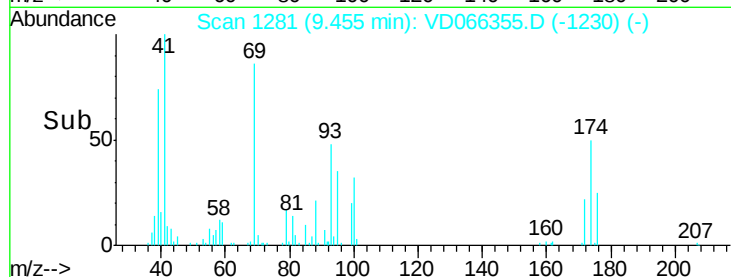
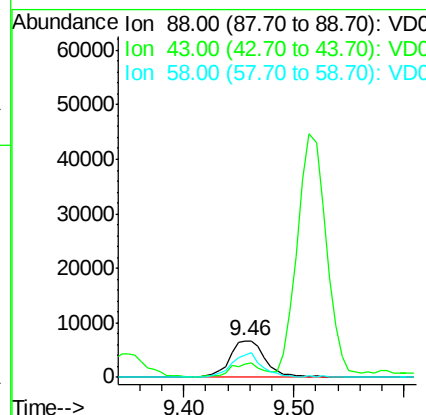
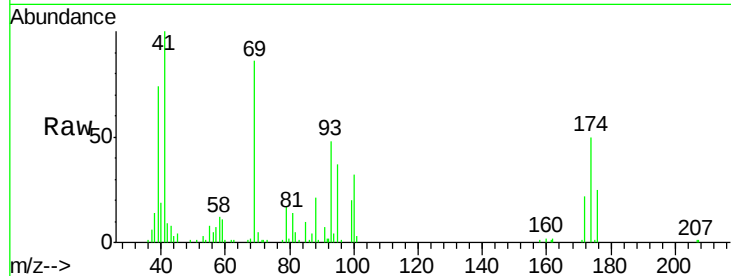
#49
1,4-Dioxane
Concen: 959.430 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	36.7	29.4	44.0	
58	56.8	45.4	68.2	

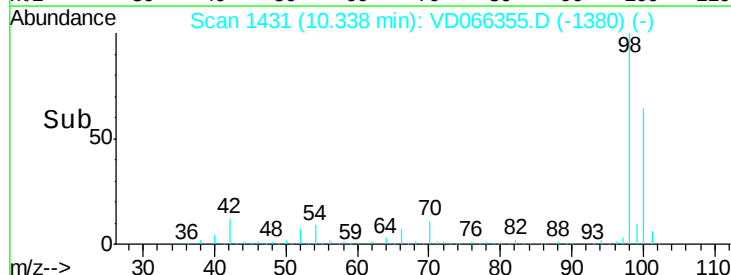
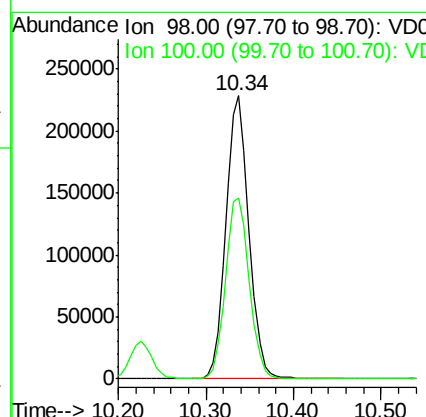
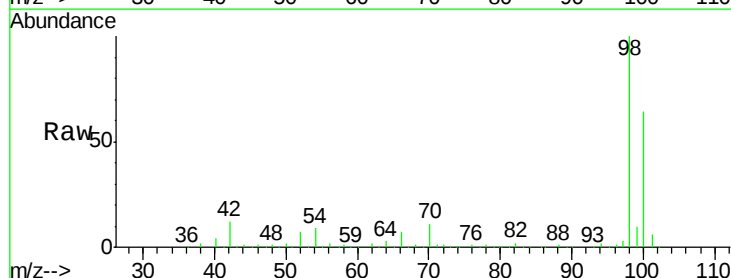
Manual Integrations
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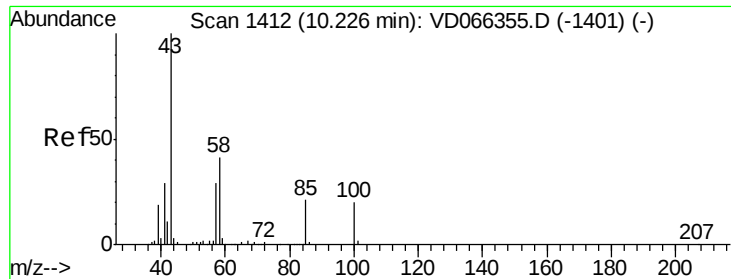
MMDadoda
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#50
Toluene-d8
Concen: 50.541 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.2	53.0	79.4	





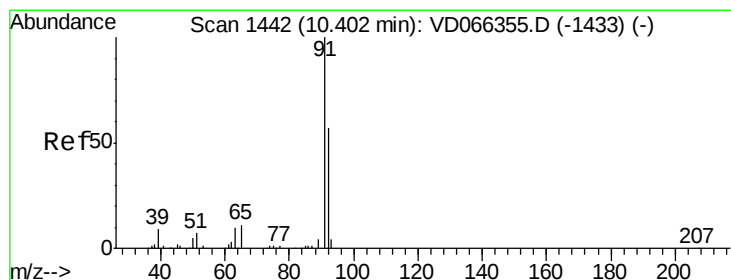
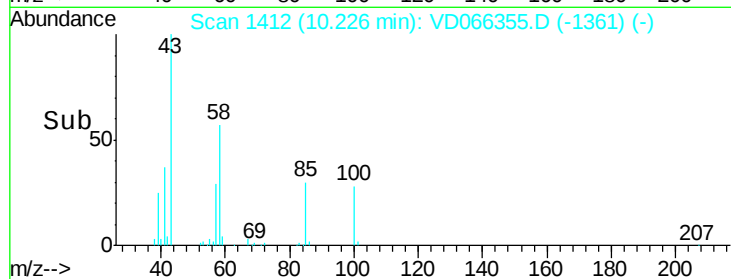
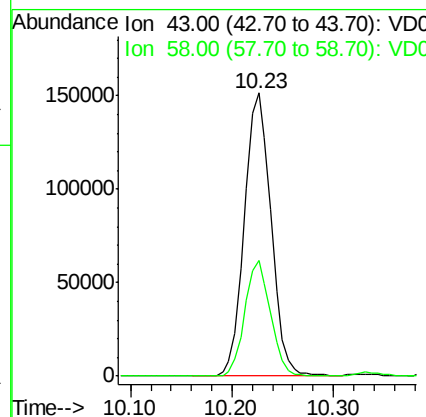
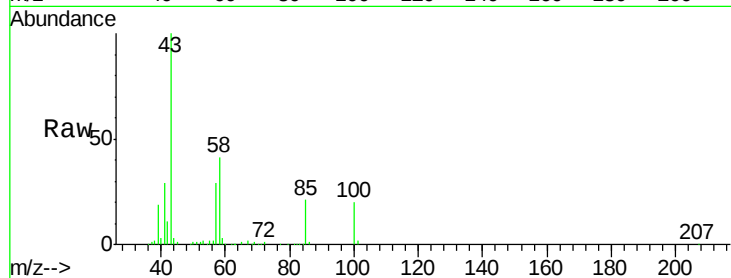
#51
 4-Methyl-2-Pentanone
 Concen: 214.518 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2

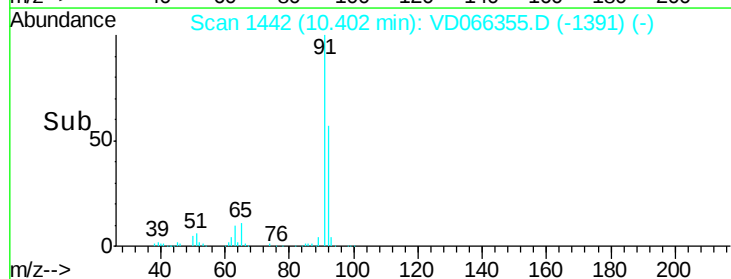
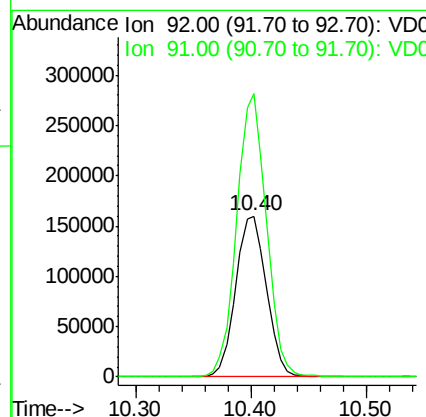
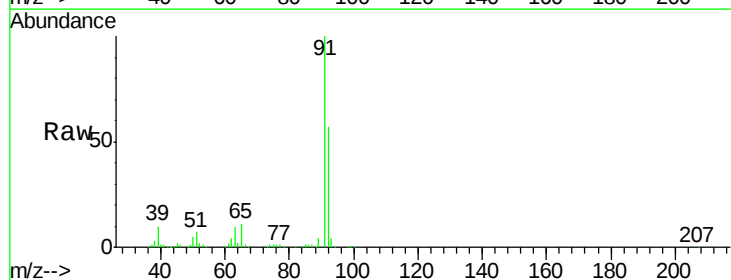
Manual Integrations
 APPROVED

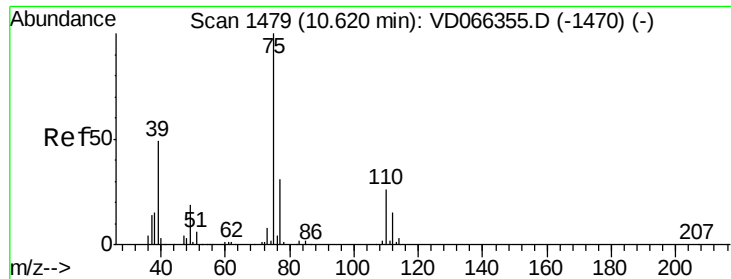
MMDadoda
 8/24/2020 4:36:36 PM



#52
 Toluene
 Concen: 49.150 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.7	135.8	203.6





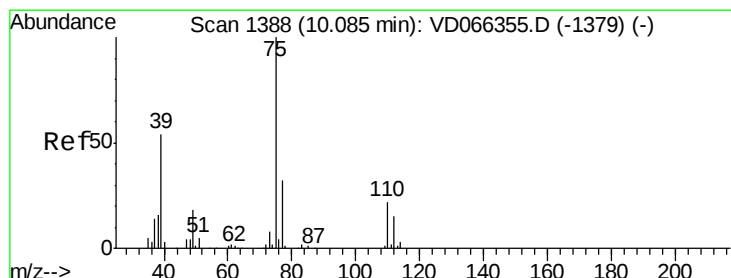
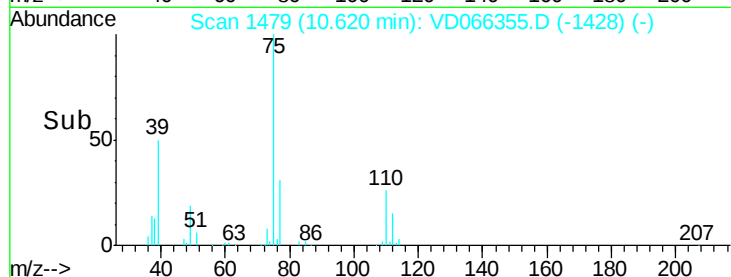
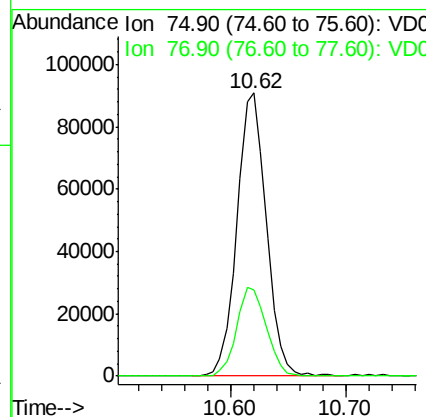
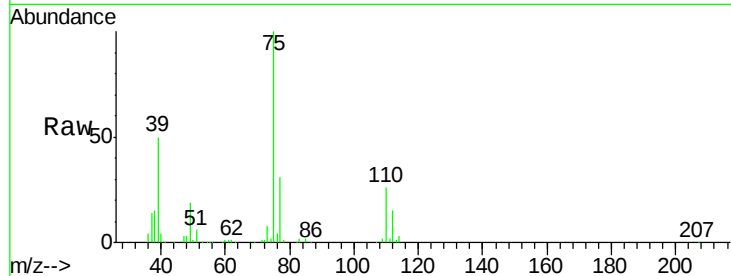
#53
 t-1,3-Dichloropropene
 Concen: 51.260 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 159884
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.5 36.7

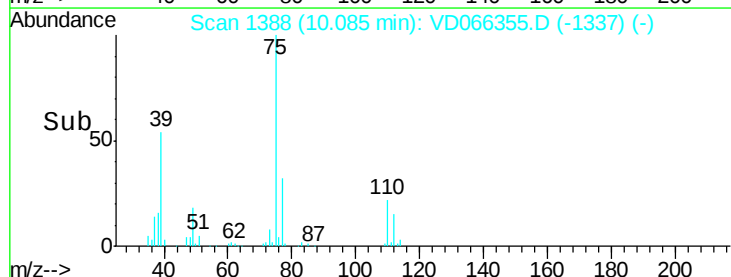
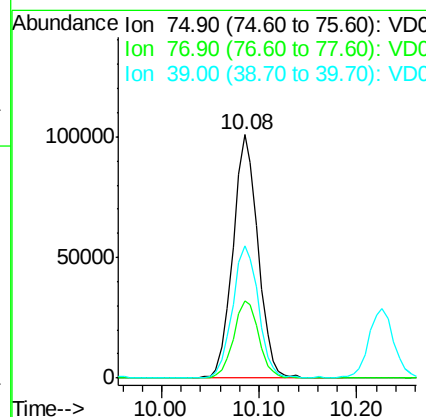
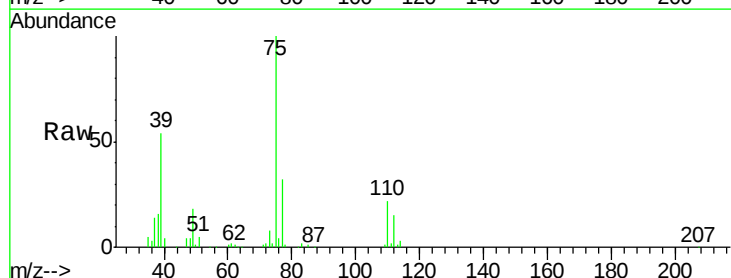
Manual Integrations
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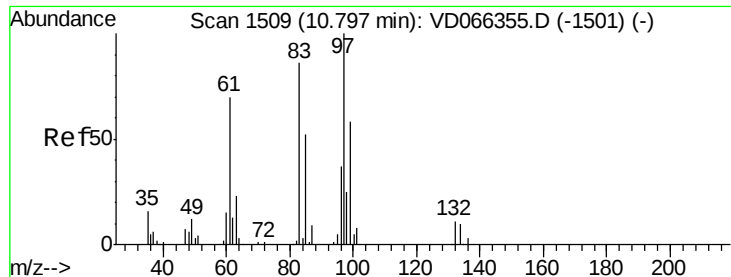
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#54
 cis-1,3-Dichloropropene
 Concen: 49.474 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Tgt Ion: 75 Resp: 179581
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4
 39 54.2 43.4 65.0





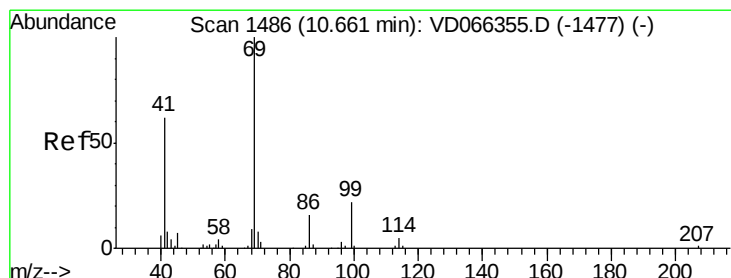
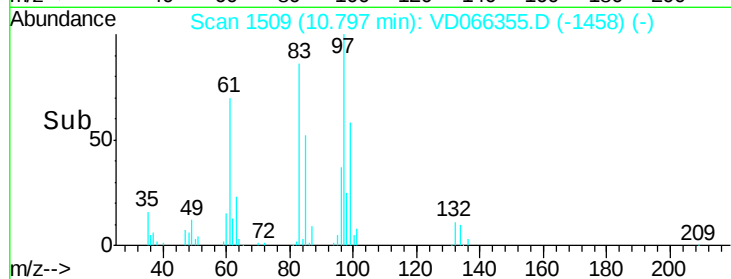
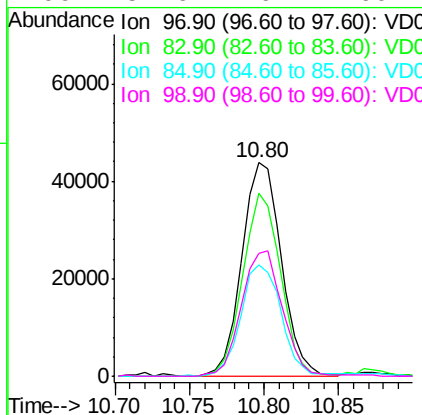
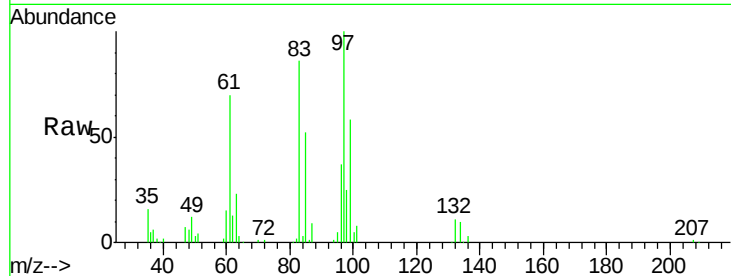
#55
 1,1,2-Trichloroethane
 Concen: 45.604 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	80367
Ion	Ratio	Lower	Upper
97	100		
83	85.5	68.4	102.6
85	51.6	41.3	61.9
99	57.6	46.1	69.1

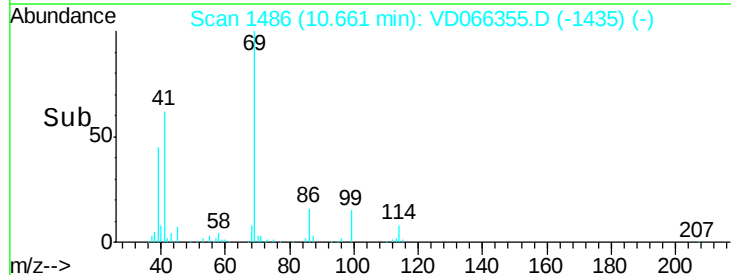
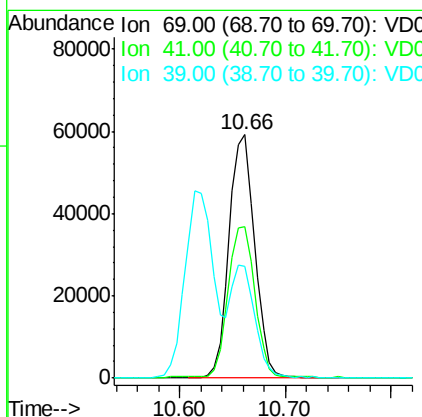
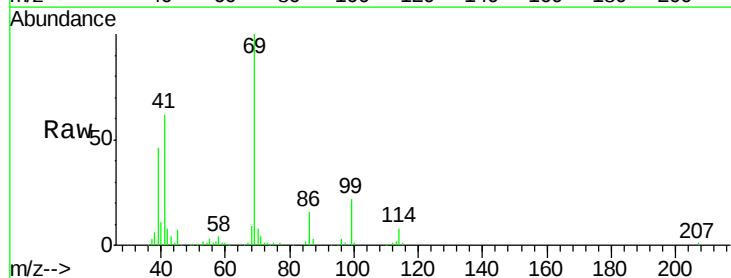
Manual Integrations
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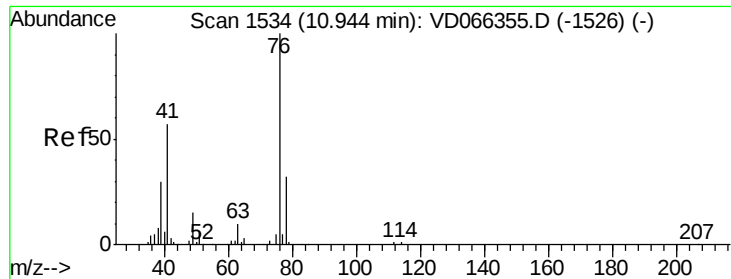
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#56
 Ethyl methacrylate
 Concen: 47.171 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Tgt Ion:	69	Resp:	99300
Ion	Ratio	Lower	Upper
69	100		
41	63.5	50.8	76.2
39	41.1	32.9	49.3





#57

1,3-Dichloropropane

Concen: 46.424 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 135513

Ion Ratio Lower Upper

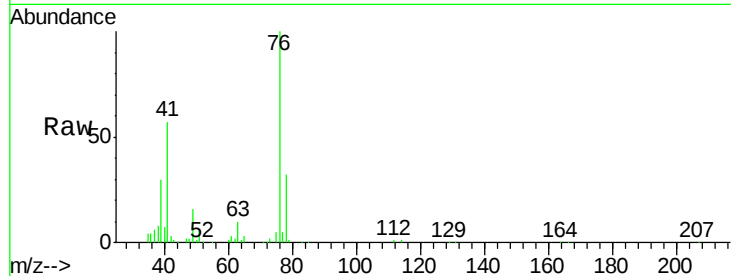
76 100

78 32.0 25.6 38.4

Manual Integrations
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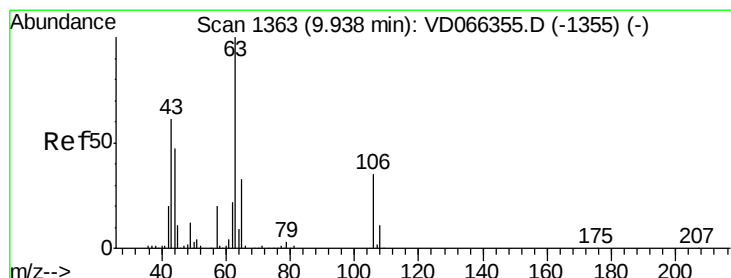
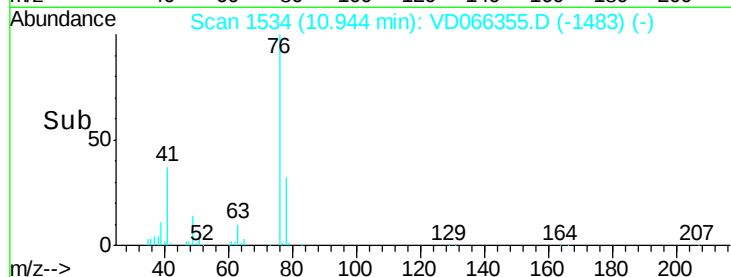
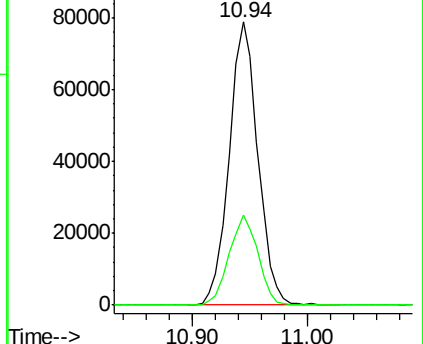
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 219.433 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066355.D

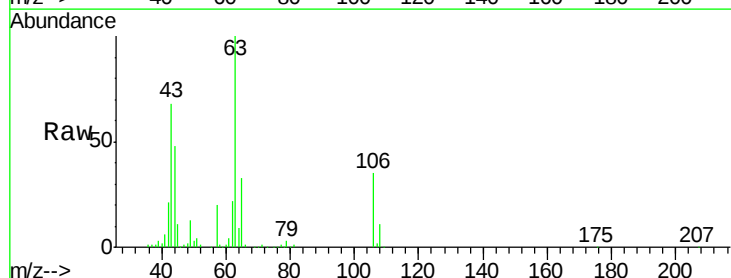
Acq: 21 Aug 2020 12:20

Tgt Ion: 63 Resp: 204959

Ion Ratio Lower Upper

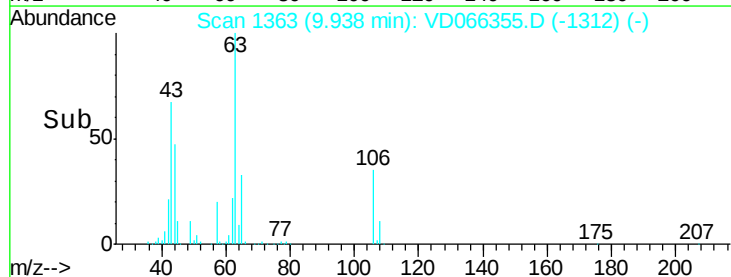
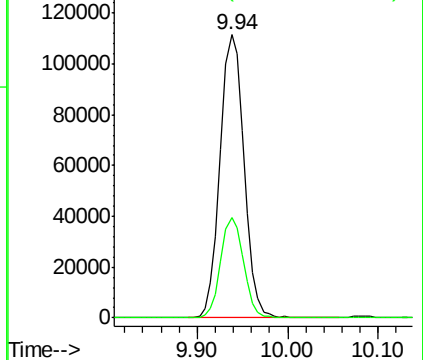
63 100

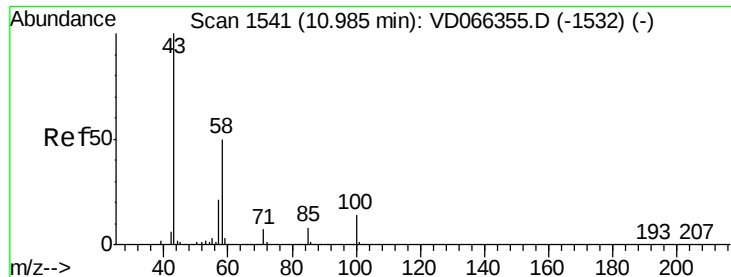
106 33.9 27.1 40.7



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





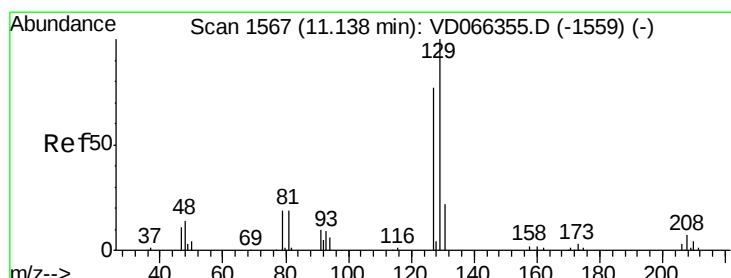
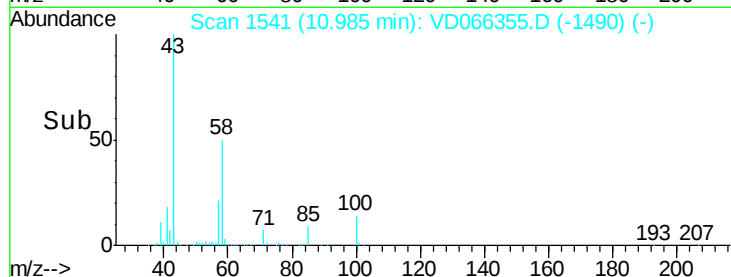
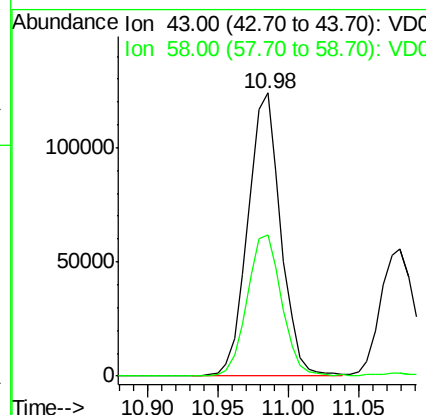
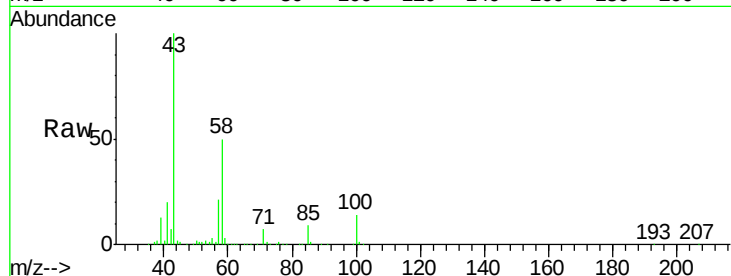
#59
2-Hexanone
Concen: 222.620 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	202811
Ion Ratio	100	Lower	Upper
43	100		
58	52.5	26.3	78.8

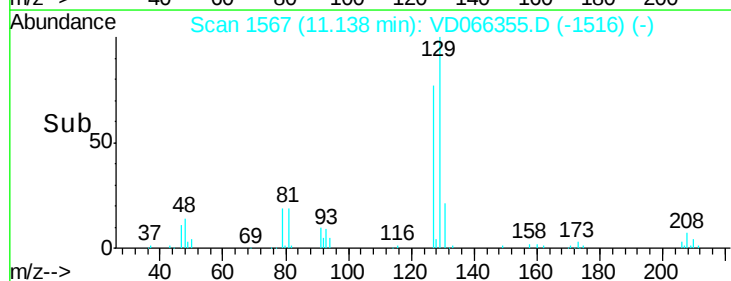
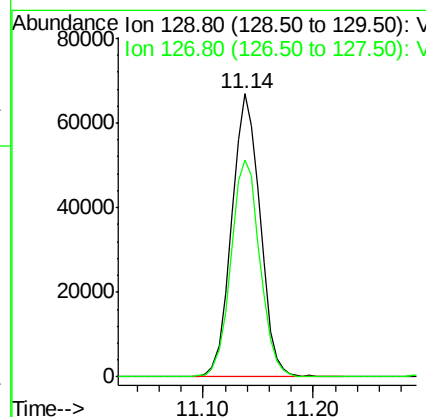
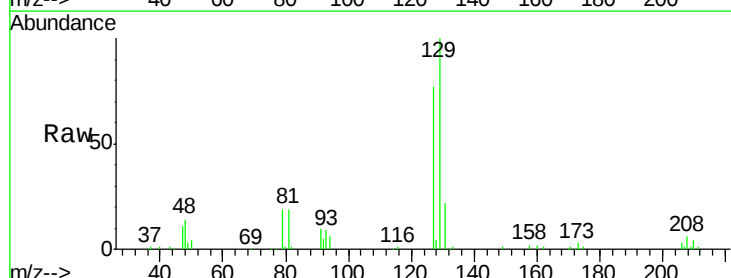
Manual Integrations
APPROVED

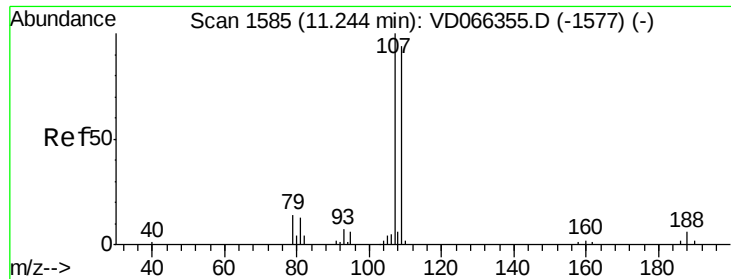
MMDadoda
8/24/2020 4:36:36 PM



#60
Dibromochloromethane
Concen: 49.282 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	129	Resp	121028
Ion Ratio	100	Lower	Upper
129	100		
127	78.0	39.0	117.0





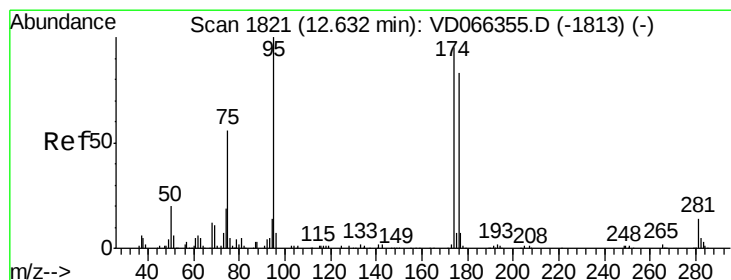
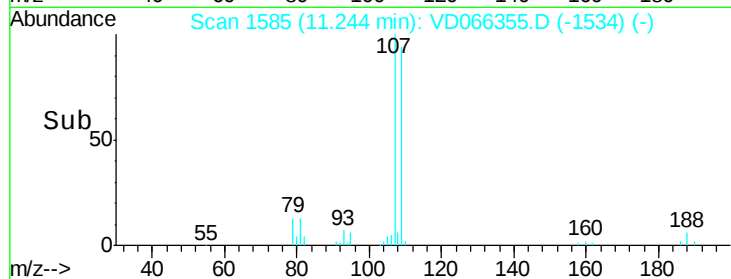
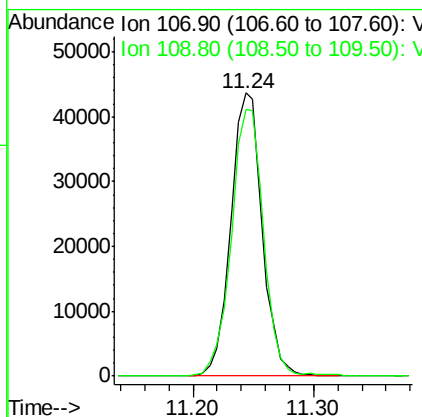
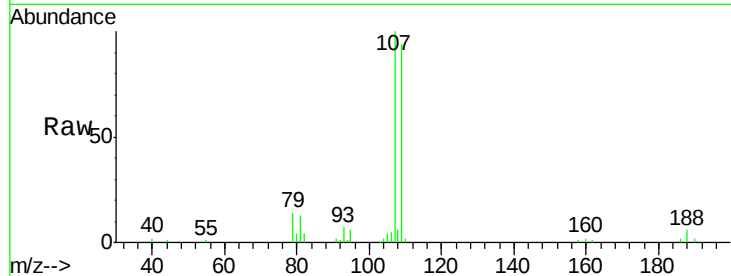
#61
 1,2-Dibromoethane
 Concen: 46.478 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.3	77.8	116.8

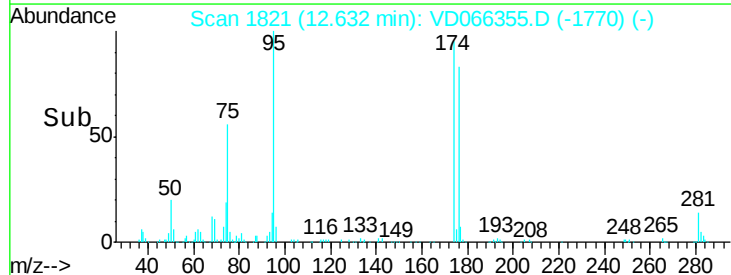
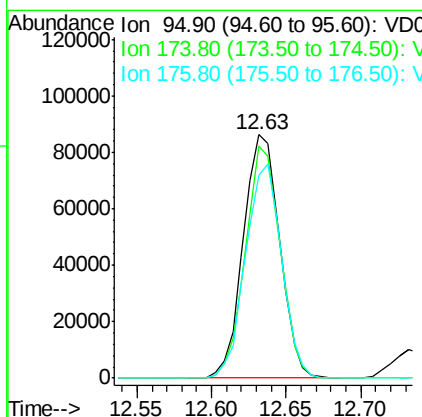
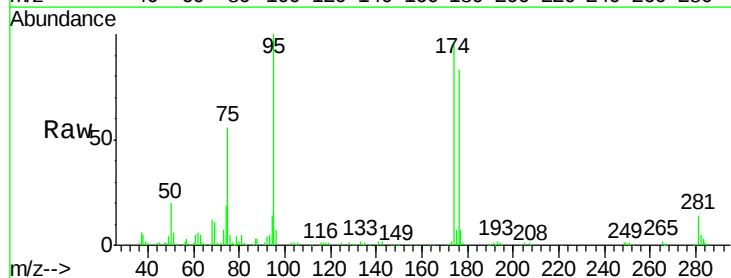
Manual Integrations
 APPROVED

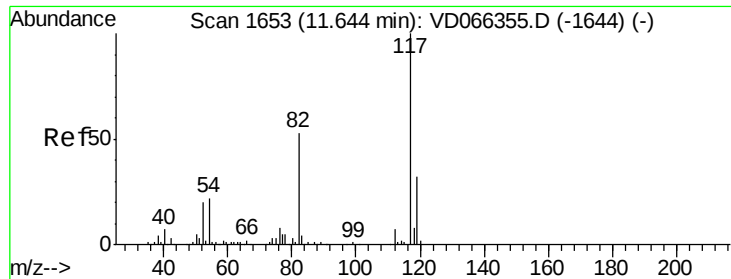
MMDadoda
 8/24/2020 4:36:36 PM



#62
 4-Bromofluorobenzene
 Concen: 49.323 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	183.4
176	86.9	0.0	173.8





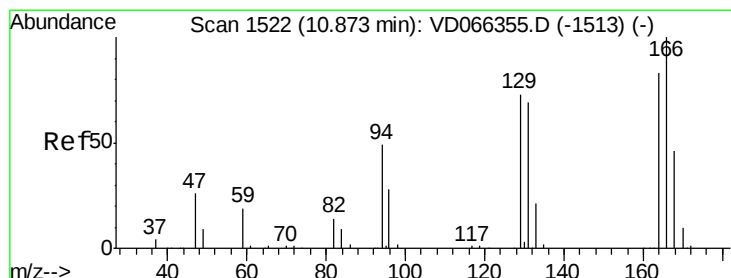
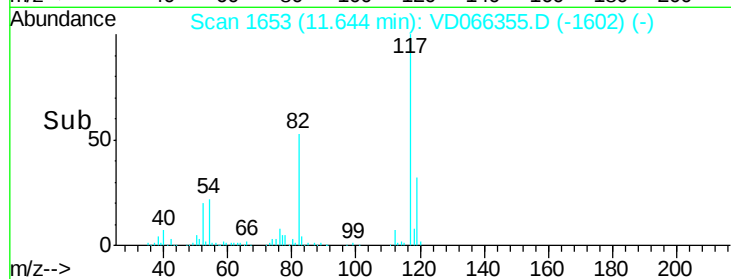
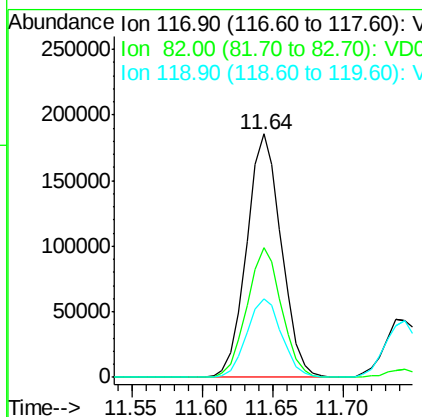
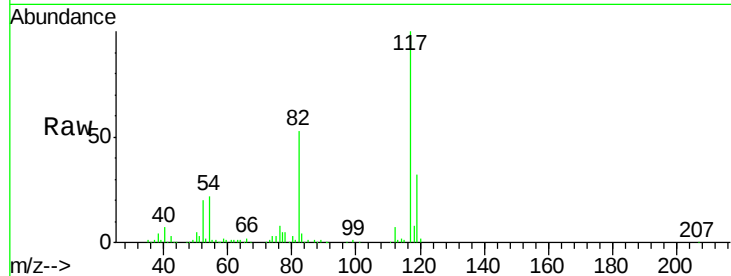
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	319319		
82	53.5		42.8	64.2
119	32.3		25.8	38.8

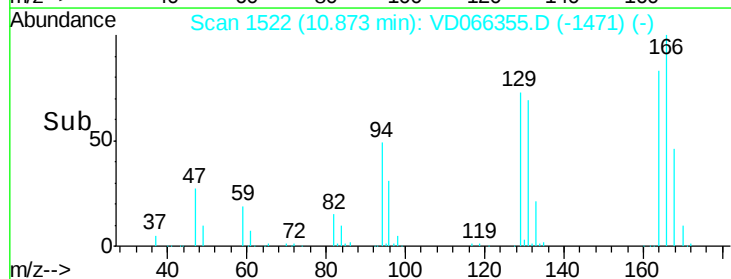
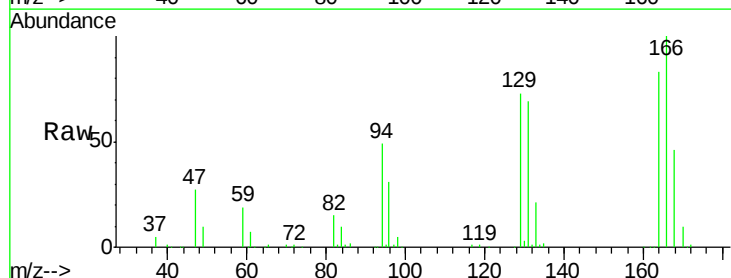
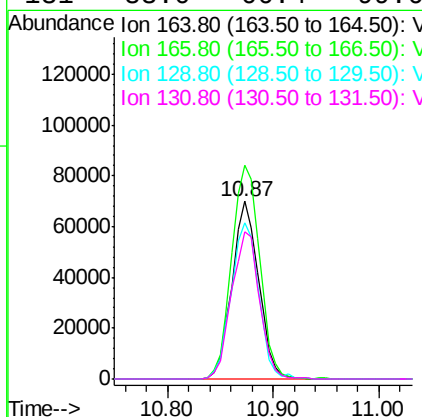
Manual Integrations
APPROVED

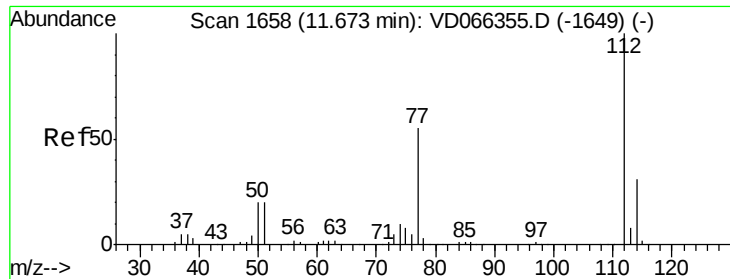
MMDadoda
8/24/2020 4:36:36 PM



#64
Tetrachloroethene
Concen: 49.334 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	121758		
166	120.3		96.2	144.4
129	87.9		70.3	105.5
131	83.0		66.4	99.6





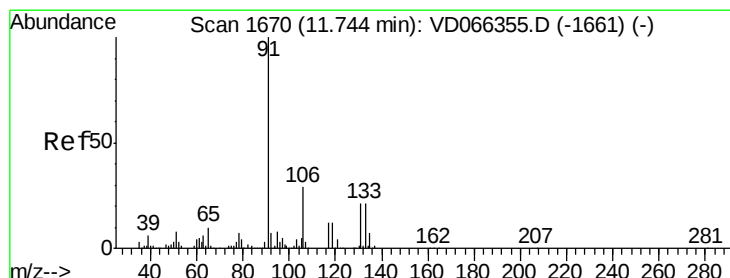
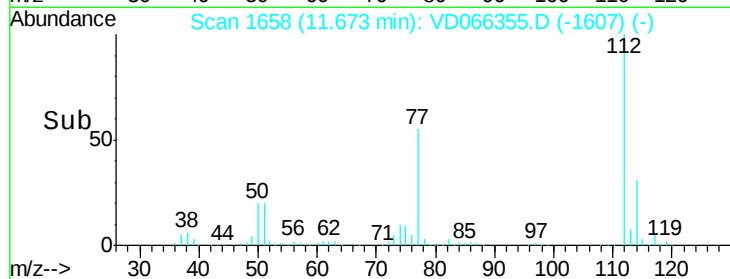
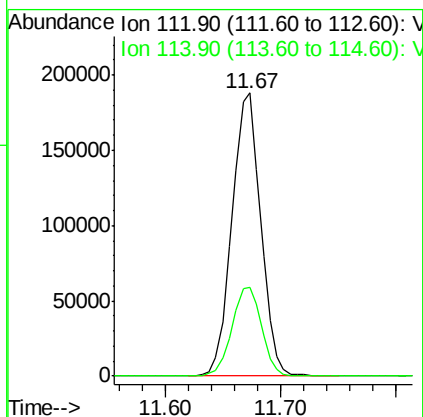
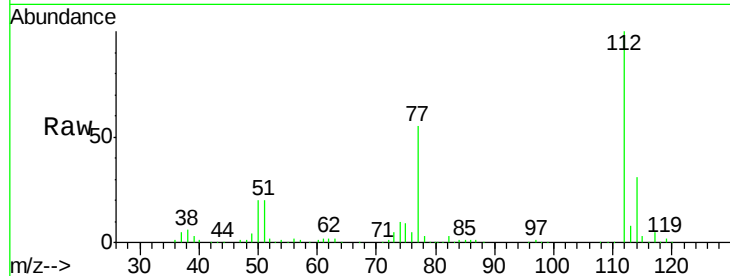
#65
Chlorobenzene
Concen: 49.836 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

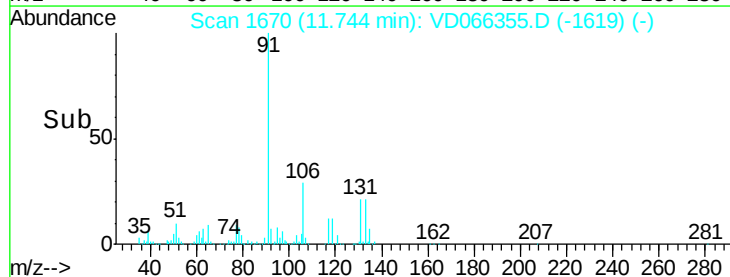
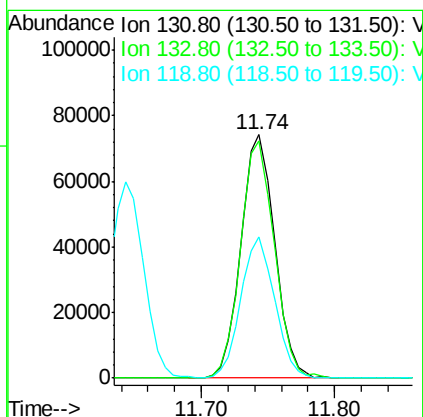
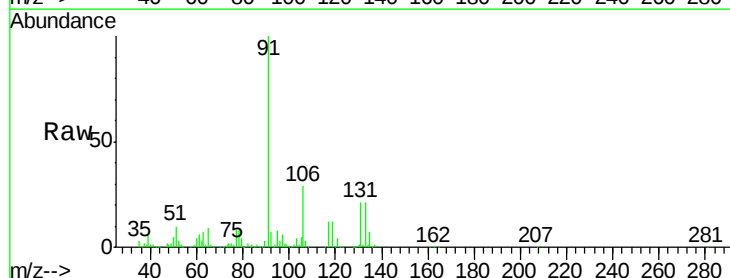
Manual Integrations
APPROVED

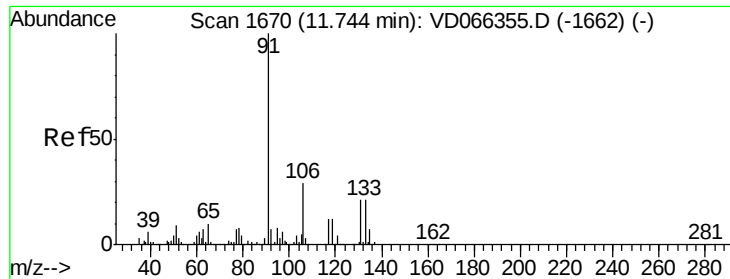
MMDadoda
8/24/2020 4:36:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.767 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.6	145.9
119	58.1	29.0	87.1





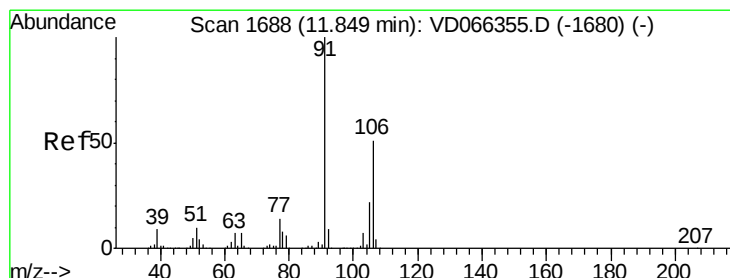
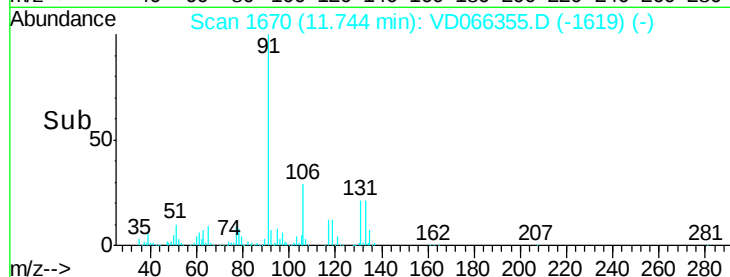
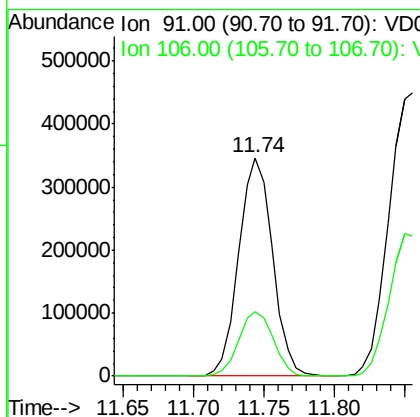
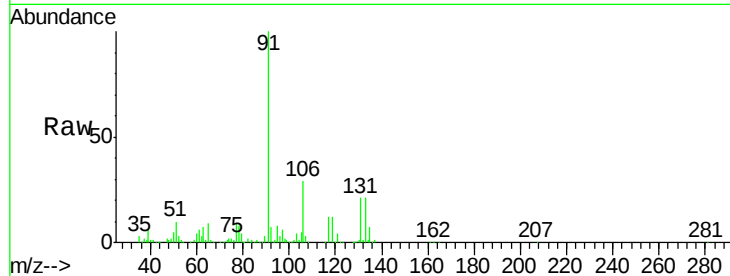
#67
Ethyl Benzene
Concen: 51.195 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2

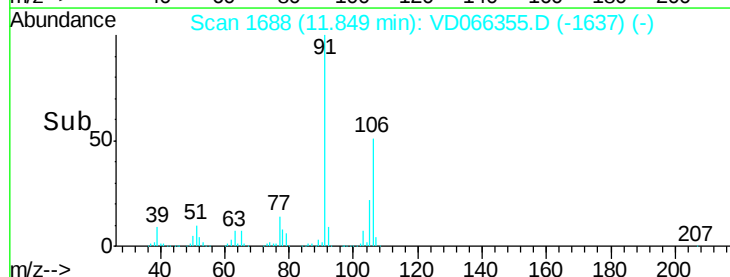
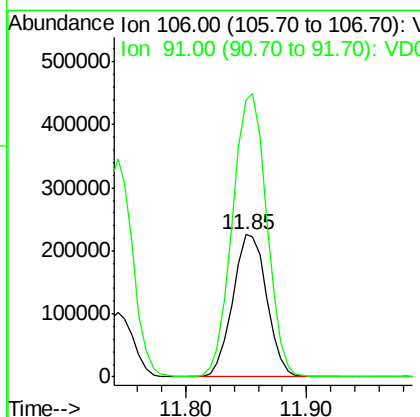
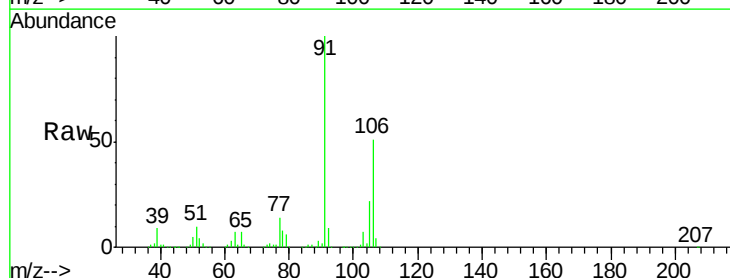
Manual Integrations
APPROVED

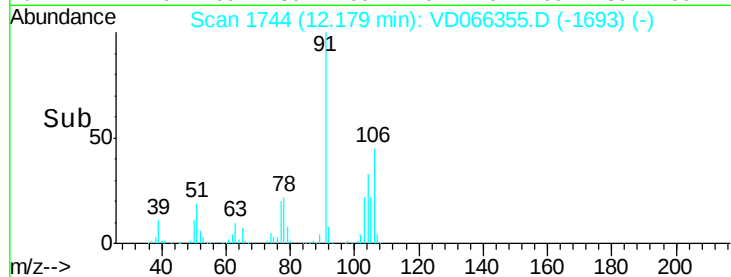
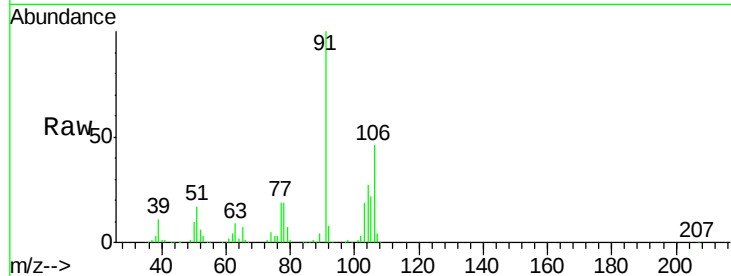
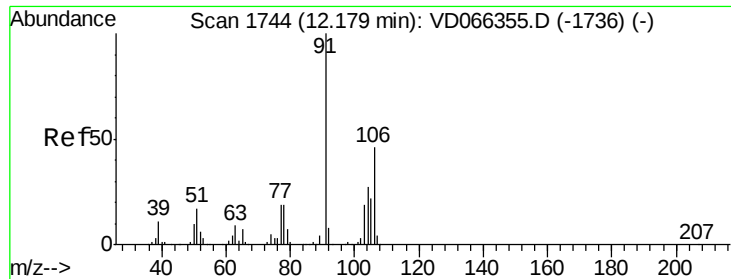
MMDadoda
8/24/2020 4:36:36 PM



#68
m/p-Xylenes
Concen: 101.446 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.9	160.7	241.1





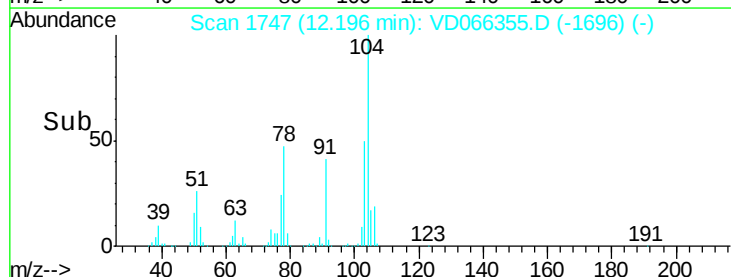
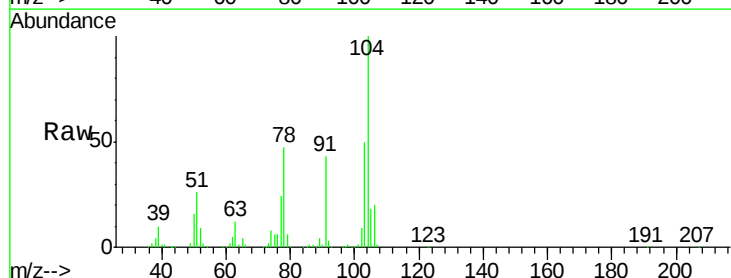
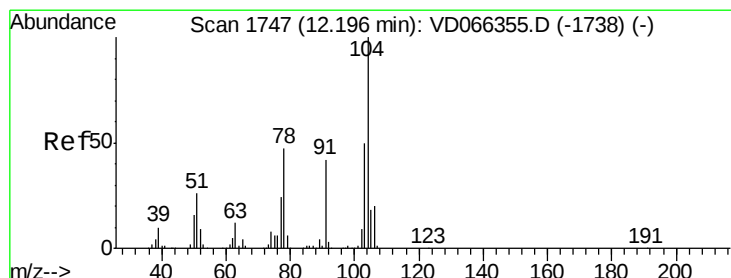
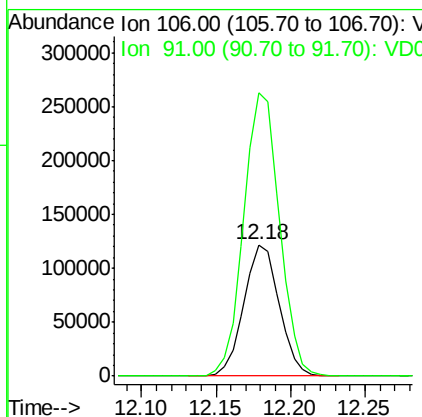
#69
o-Xylene
Concen: 50.228 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	199575		
91	91	218.2	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

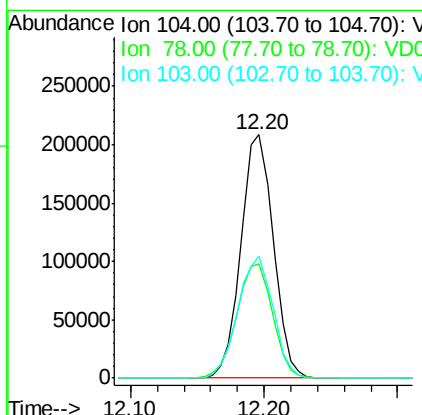
Manual Integrations
APPROVED

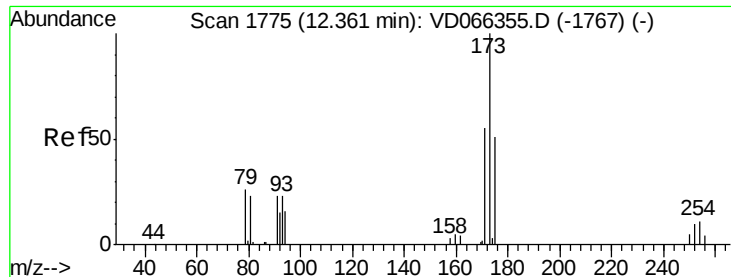
MMDadoda
8/24/2020 4:36:36 PM



#70
Styrene
Concen: 50.378 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	350444		
78	78	52.1	41.7	62.5	
103	103	54.4	43.5	65.3	





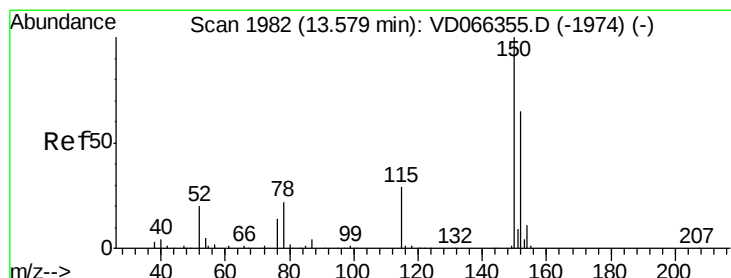
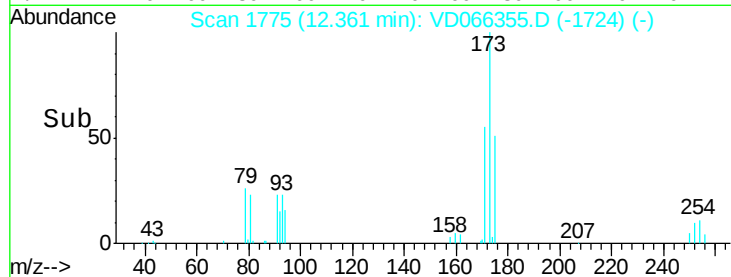
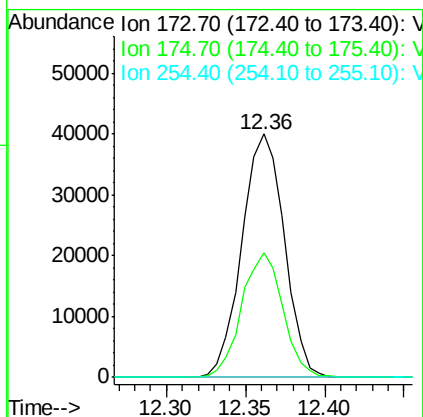
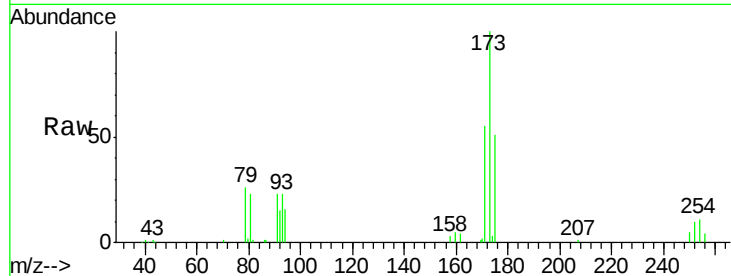
#71
Bromoform
Concen: 49.287 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.0	0.0	0.0

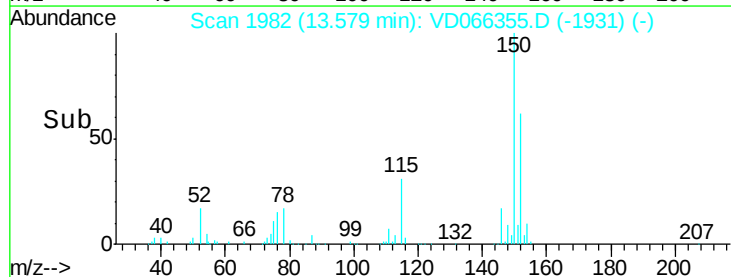
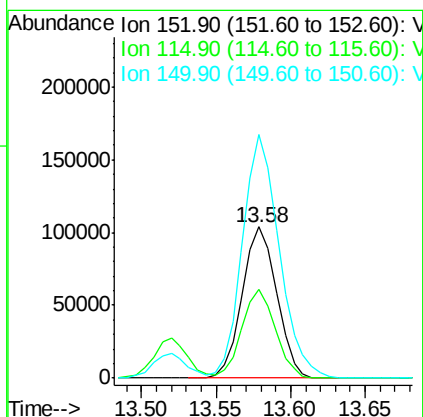
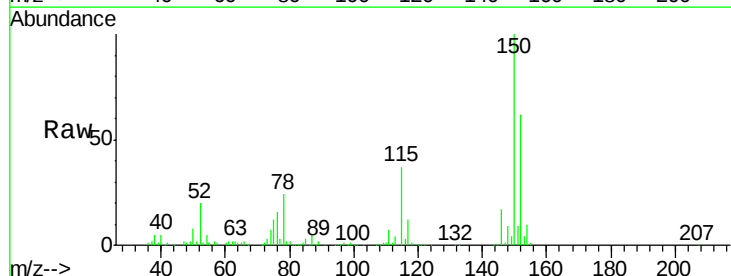
Manual Integrations
APPROVED

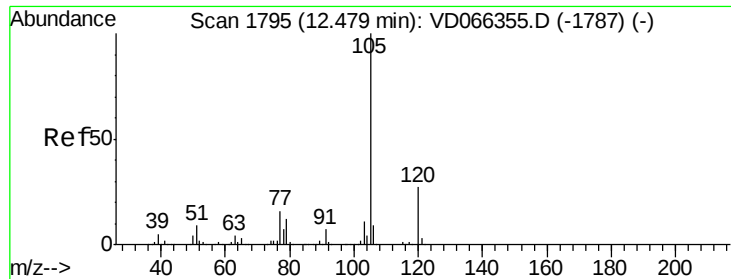
MMDadoda
8/24/2020 4:36:36 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.3	85.0
150	171.6	0.0	343.2





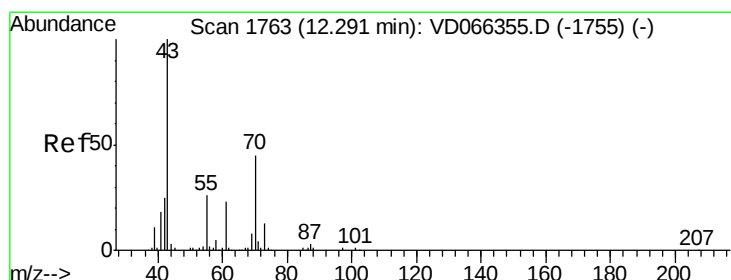
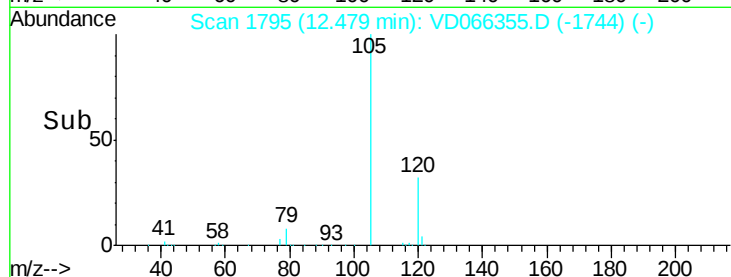
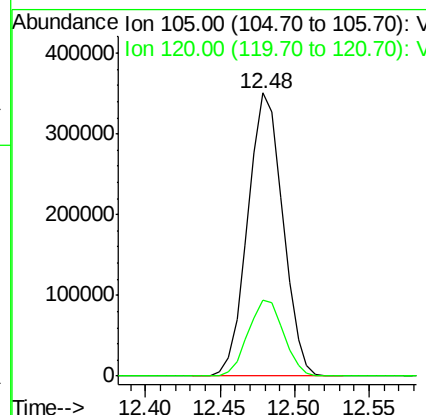
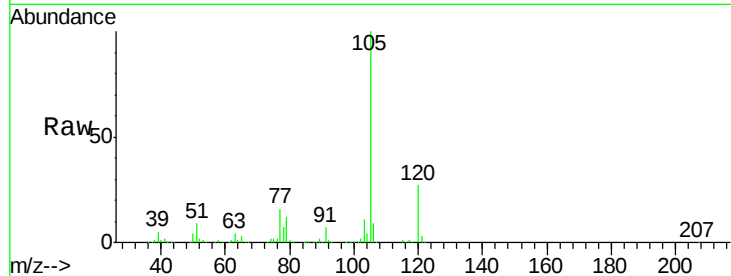
#73
Isopropylbenzene
Concen: 51.006 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.6	40.8

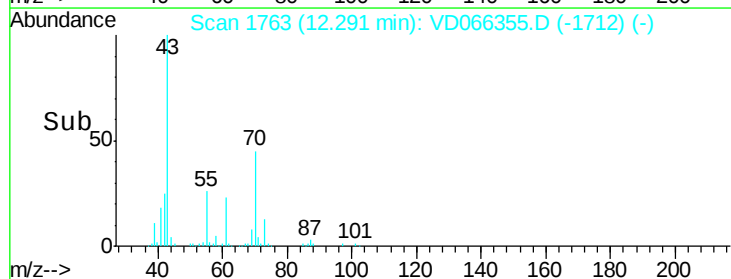
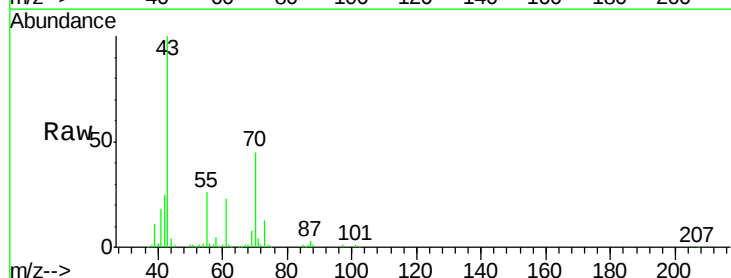
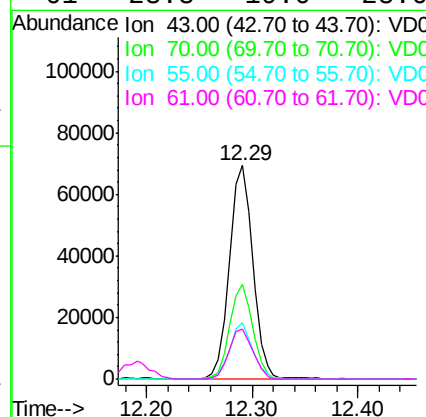
Manual Integrations
APPROVED

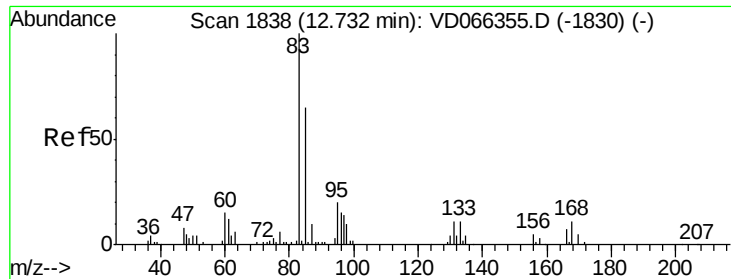
MMDadoda
8/24/2020 4:36:36 PM



#74
N-ethyl acetate
Concen: 44.554 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.8	52.2
55	25.4	20.3	30.5
61	23.8	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 42.888 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

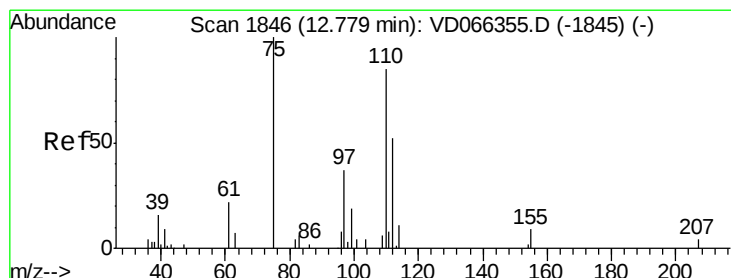
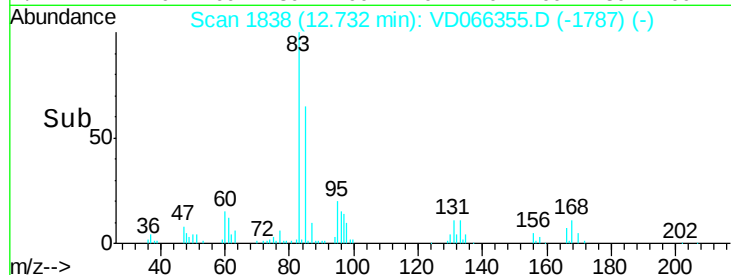
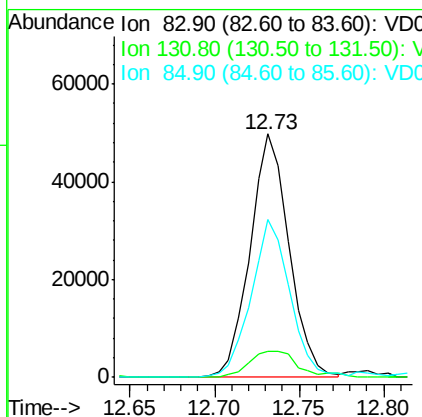
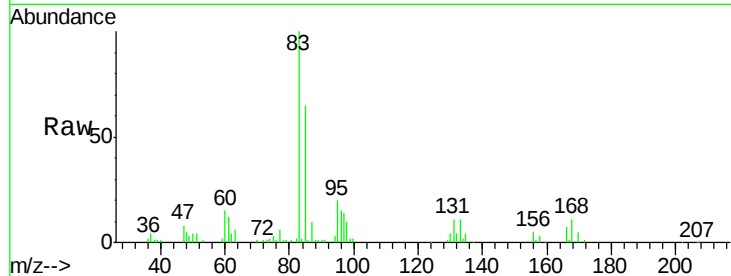
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	79987
Ion Ratio	Lower	Upper	
83	100		
131	13.9	7.0	20.9
85	64.7	32.4	97.0

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



#76

1,2,3-Trichloropropane

Concen: 43.111 ug/l m

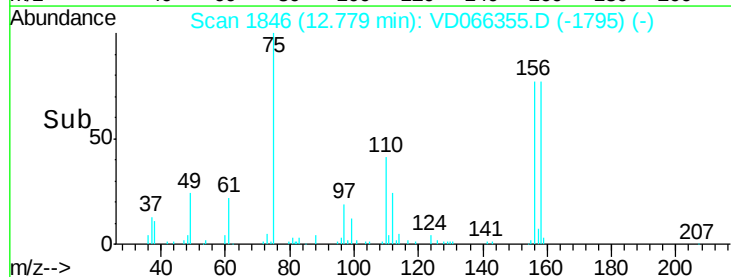
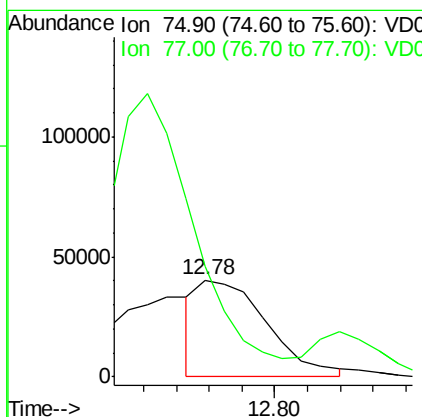
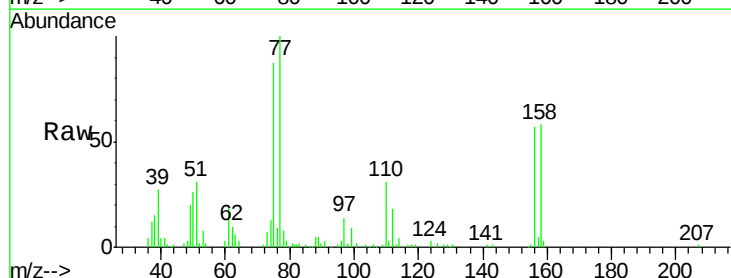
RT: 12.78 min Scan# 1846

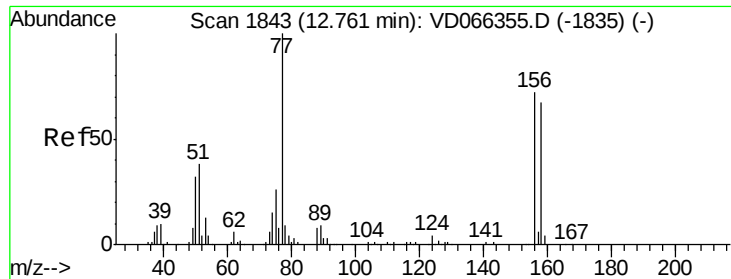
Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Tgt Ion:	75	Resp:	59288
Ion Ratio	Lower	Upper	
75	100		
77	372.7	182.9	548.9





#77

Bromobenzene

Concen: 50.413 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

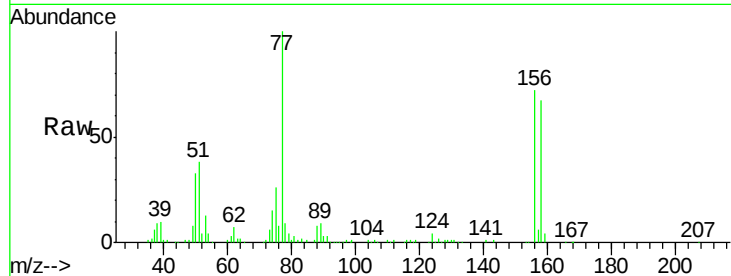
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.2	76.1	228.3
158	95.3	47.6	142.9

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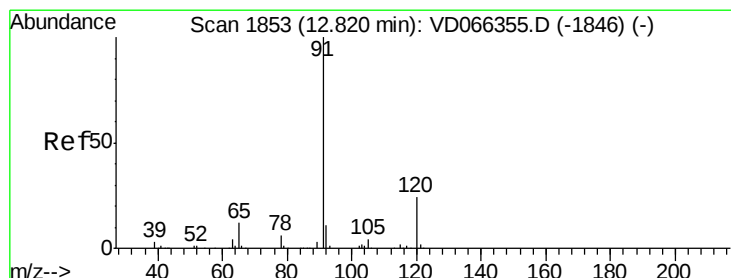
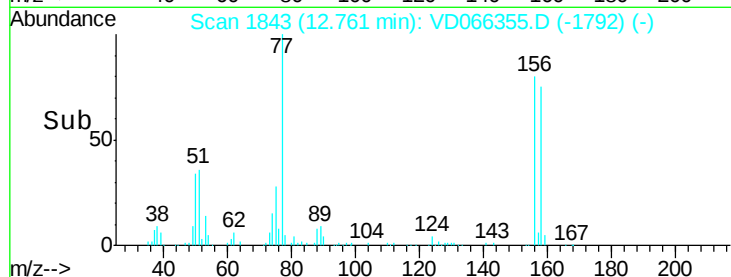
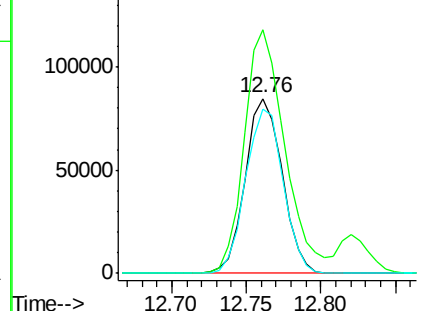
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.026 ug/l

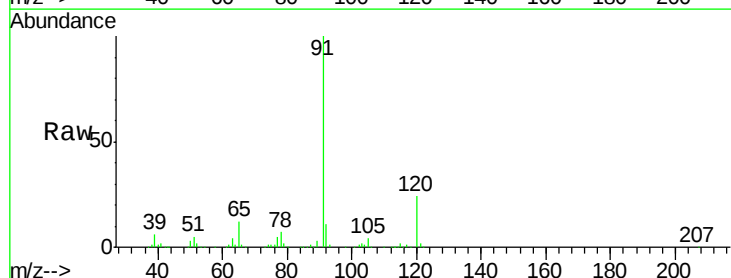
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066355.D

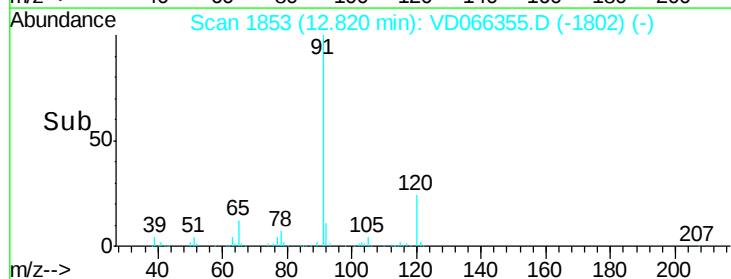
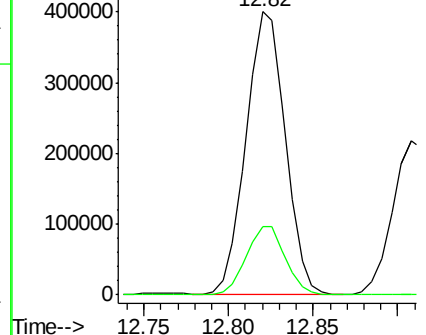
Acq: 21 Aug 2020 12:20

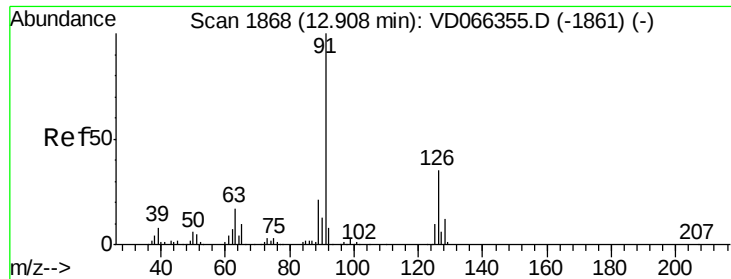
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





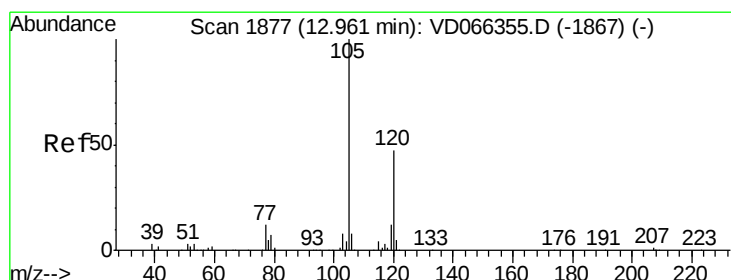
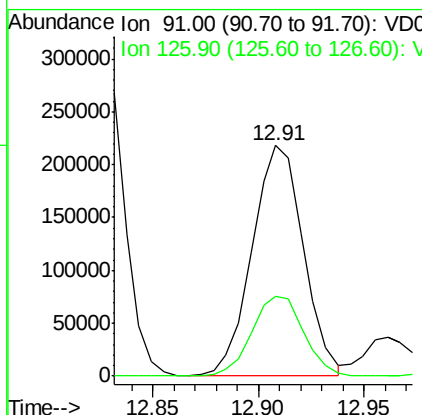
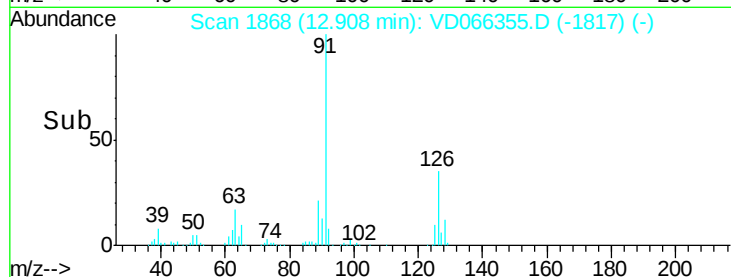
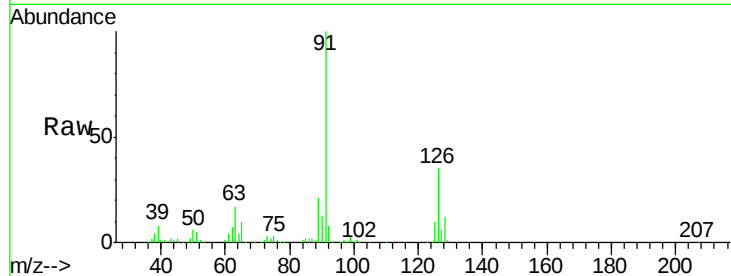
#79
 2-Chlorotoluene
 Concen: 49.640 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 367293
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.7 53.1

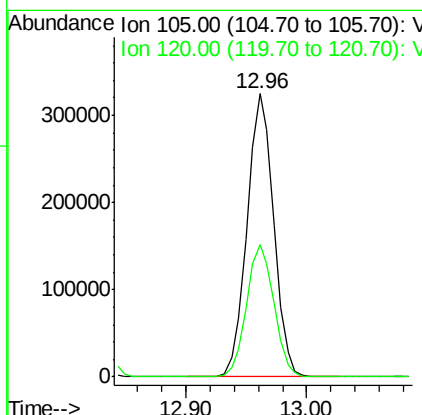
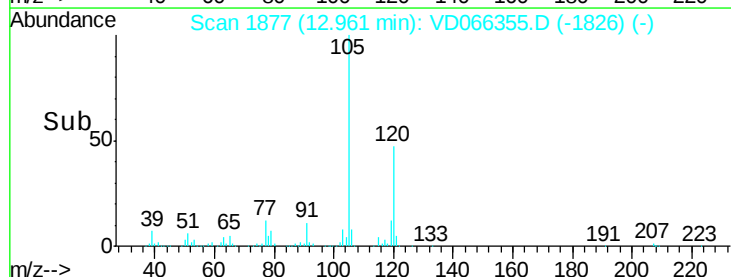
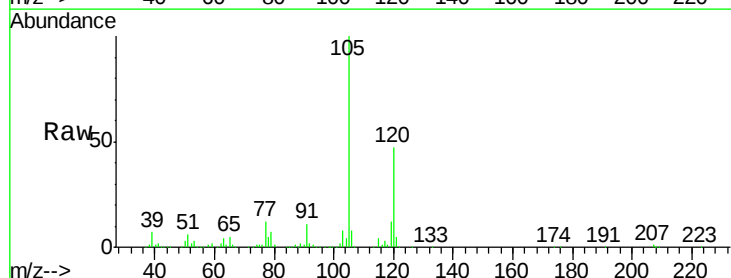
Manual Integrations
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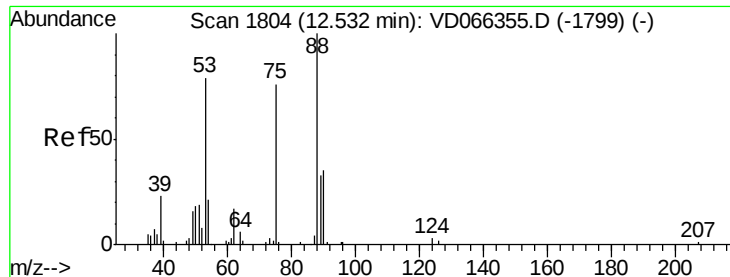
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.015 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Tgt Ion: 105 Resp: 498981
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.2





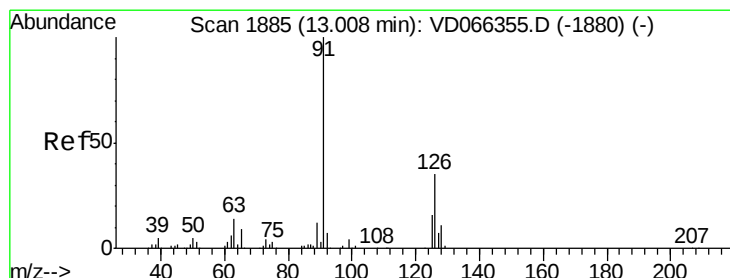
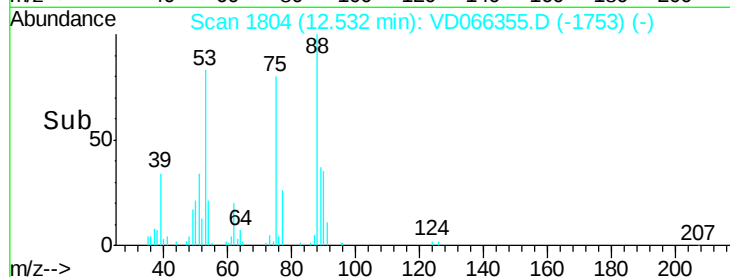
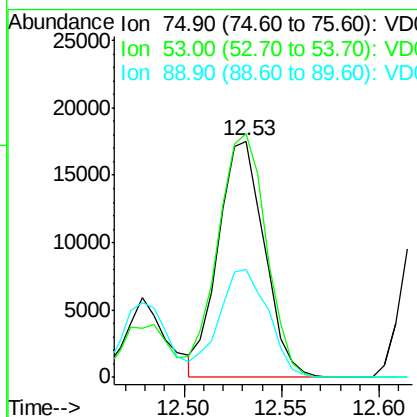
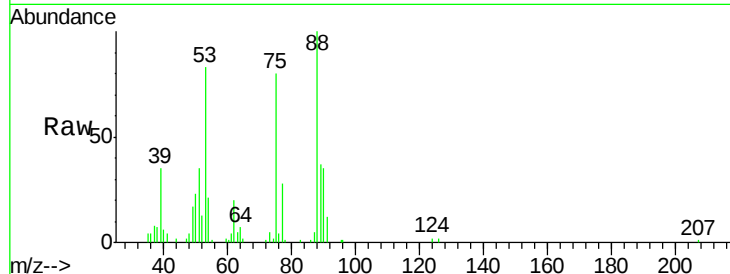
#81
trans-1,4-Dichloro-2-butene
Concen: 46.358 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.3	87.4	131.2
89	49.2	39.4	59.0

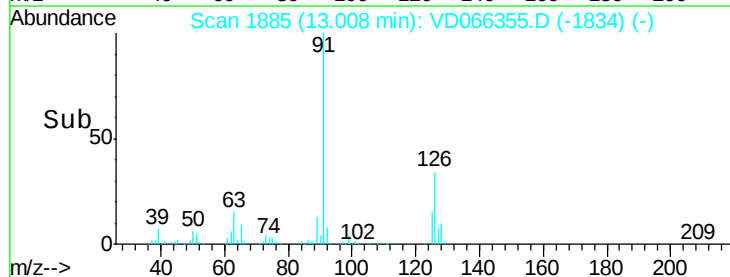
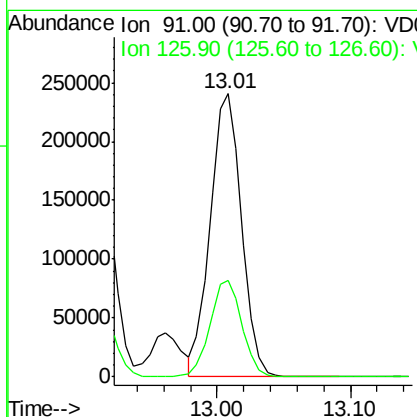
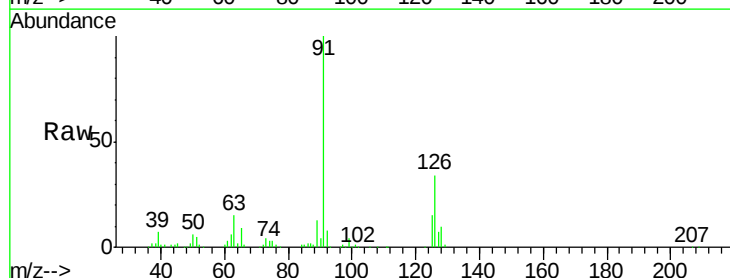
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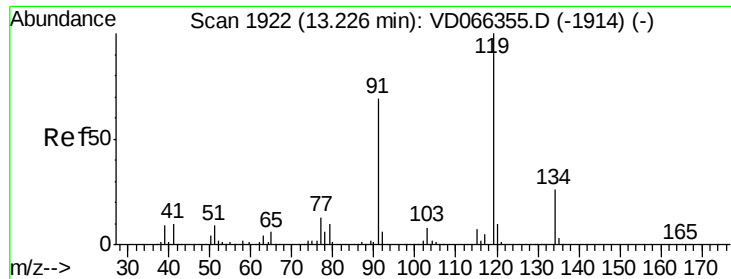
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#82
4-Chlorotoluene
Concen: 50.372 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.2





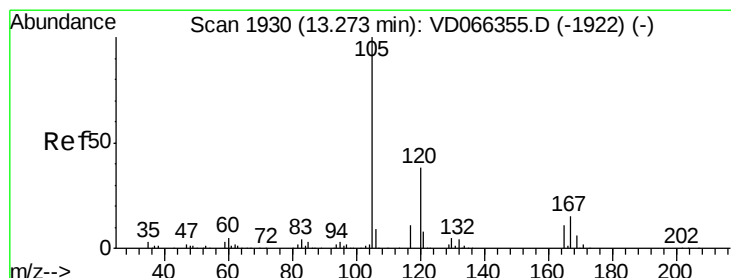
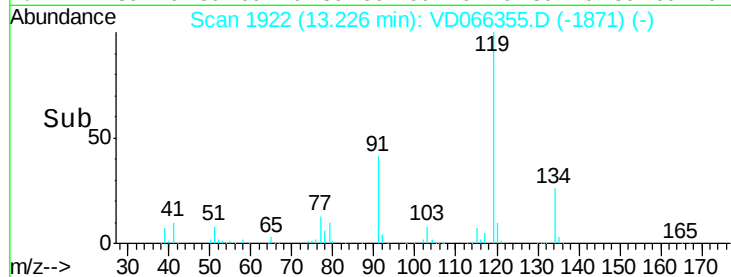
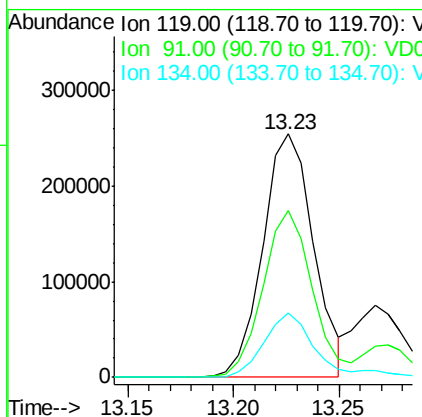
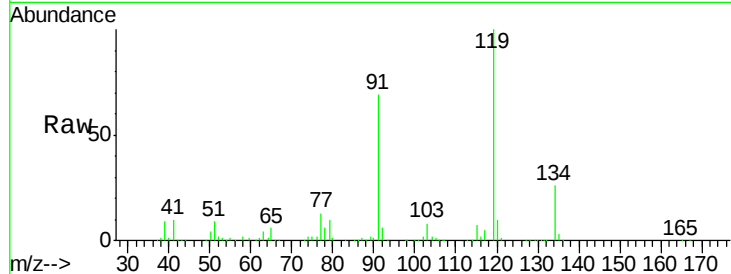
#83
tert-Butylbenzene
Concen: 51.743 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.5	100.5
134	26.9	13.5	40.4

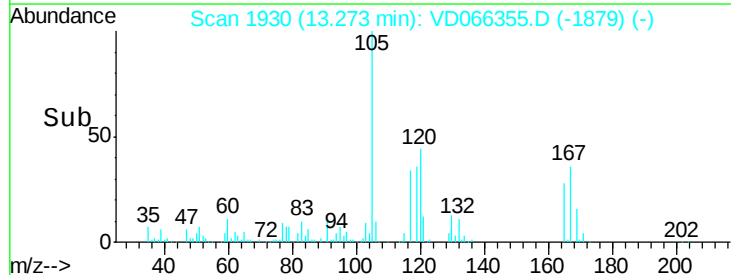
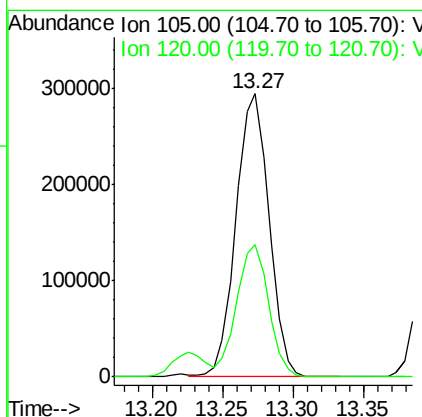
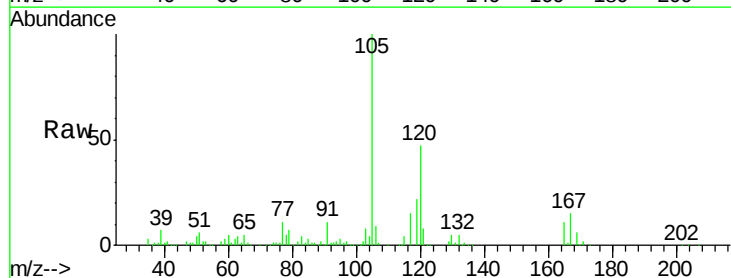
Manual Integrations
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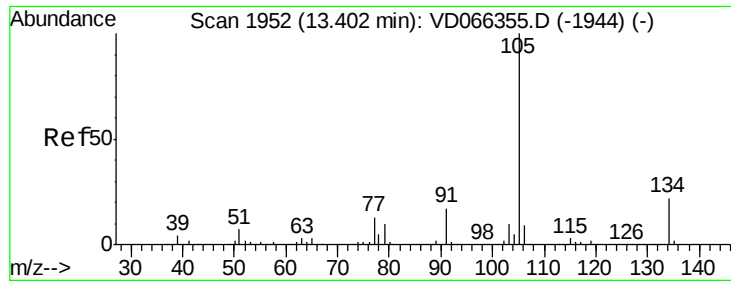
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#84
1,2,4-Trimethylbenzene
Concen: 51.586 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 50.866 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 564001

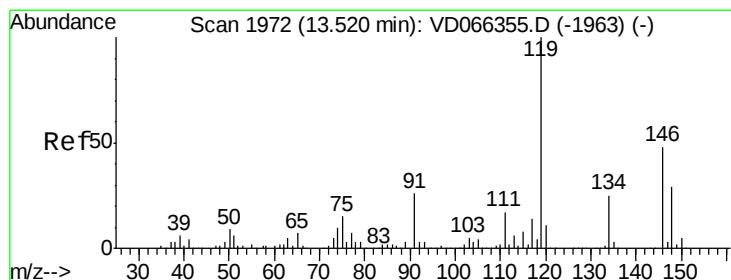
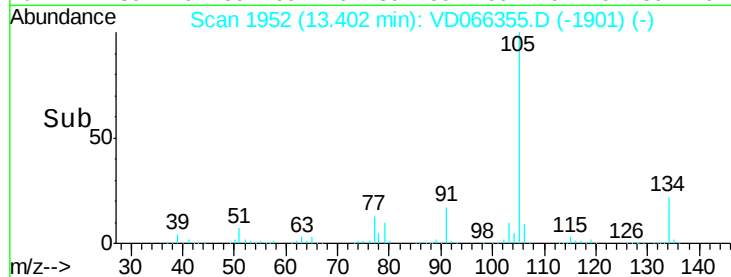
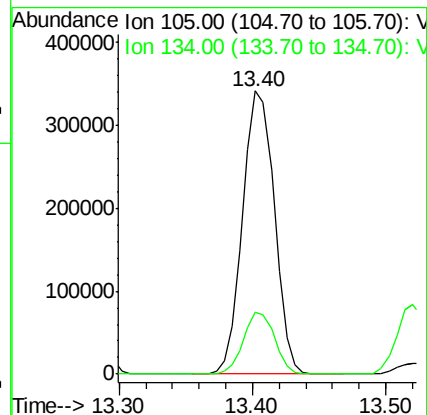
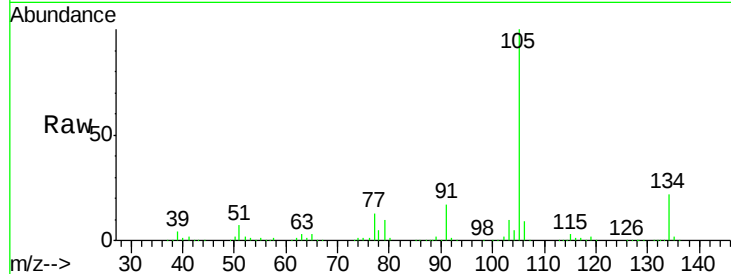
Ion Ratio Lower Upper

105 100

134 21.6 10.8 32.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.931 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066355.D

Acq: 21 Aug 2020 12:20

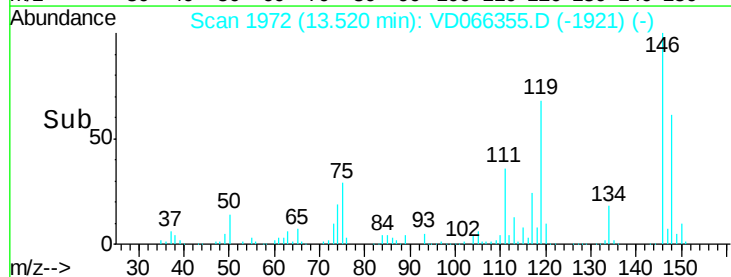
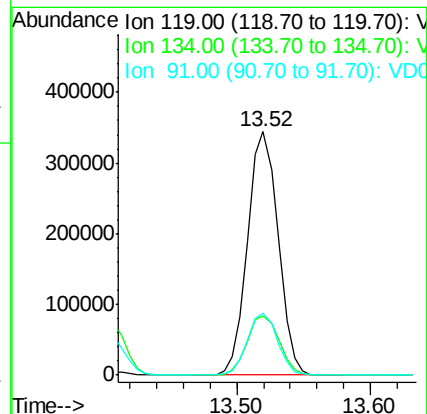
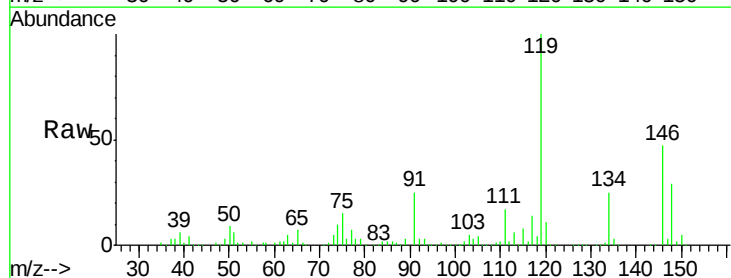
Tgt Ion:119 Resp: 542900

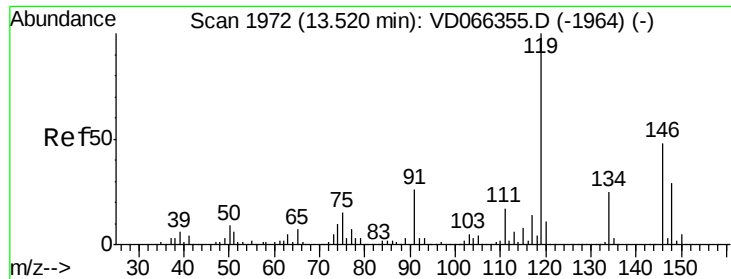
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 25.3 12.7 38.0





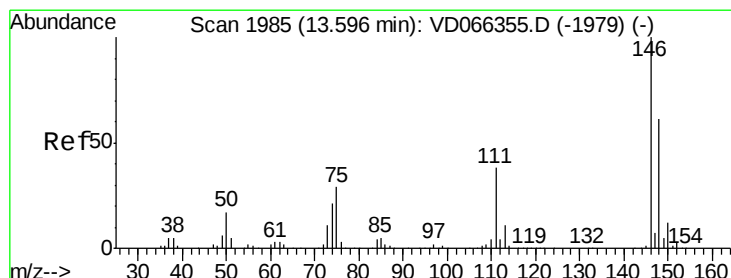
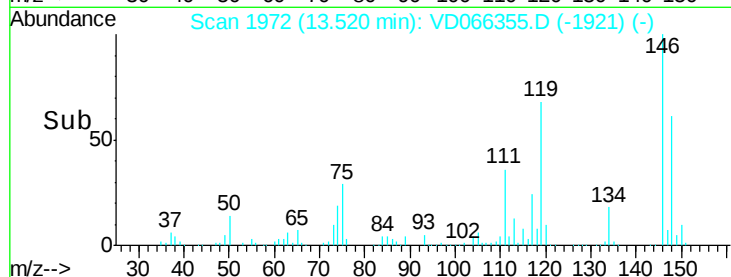
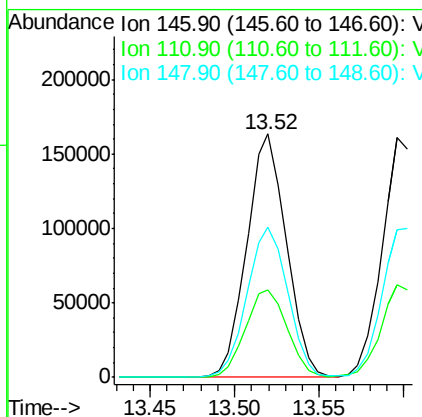
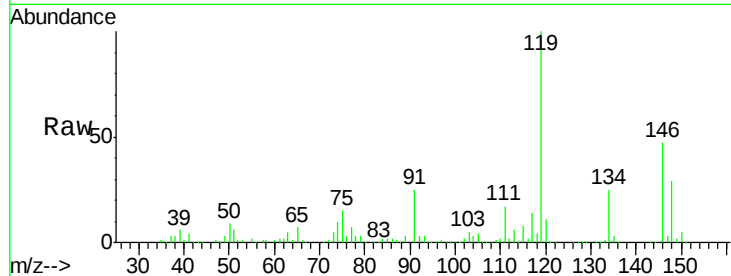
#87
 1,3-Dichlorobenzene
 Concen: 49.256 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.5	31.8	95.3

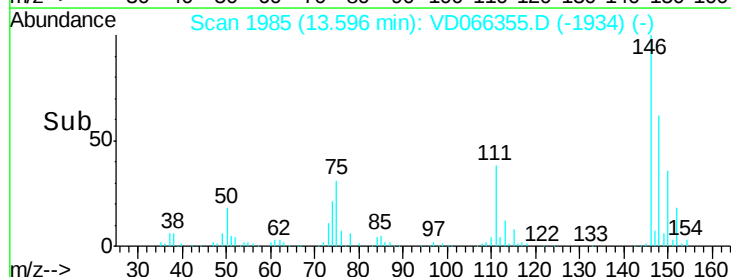
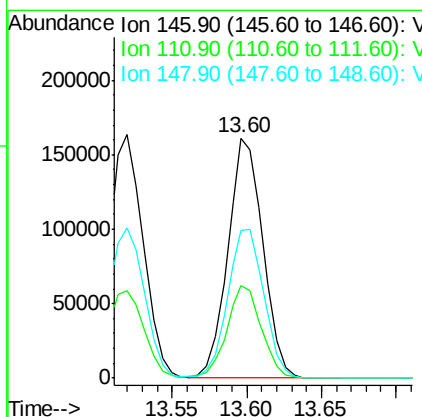
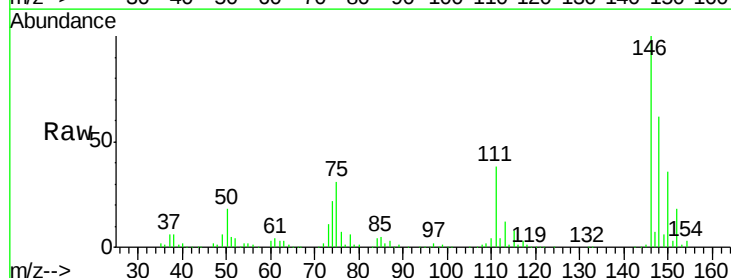
Manual Integrations
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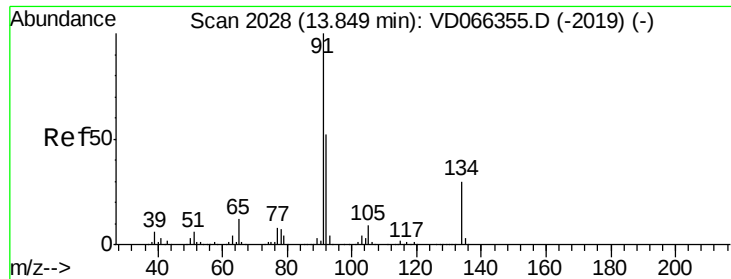
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#88
 1,4-Dichlorobenzene
 Concen: 49.005 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	64.2	32.1	96.3





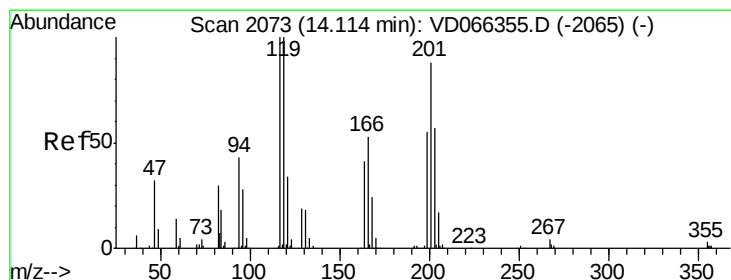
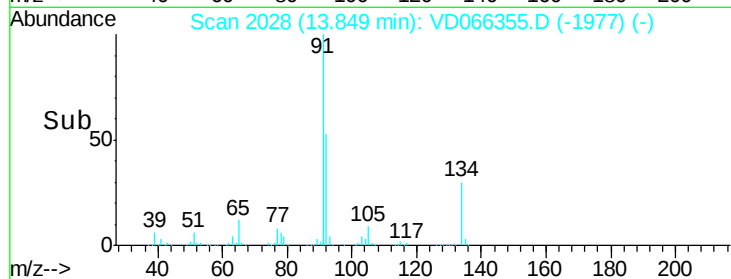
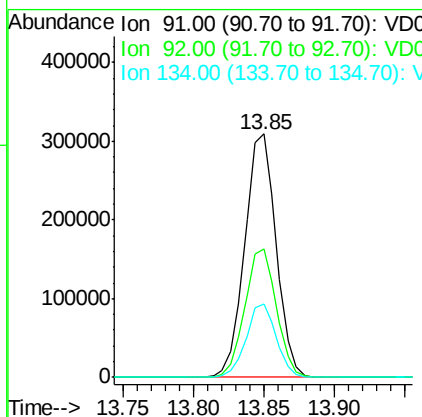
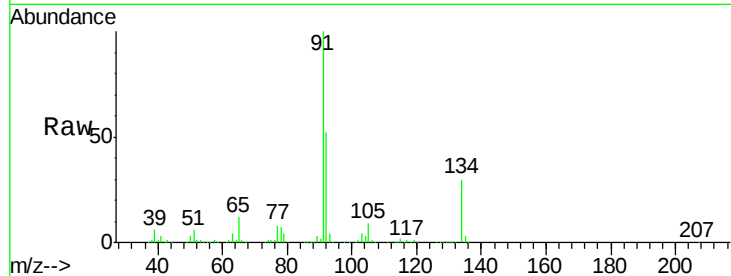
#89
n-Butylbenzene
Concen: 51.689 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	26.4	79.0	
134	28.9	14.4	43.4	

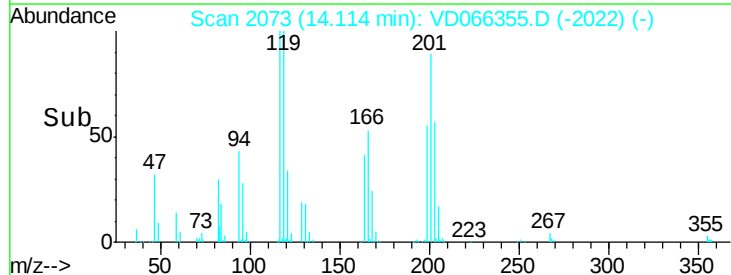
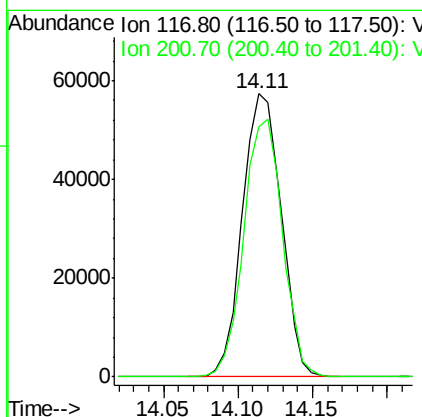
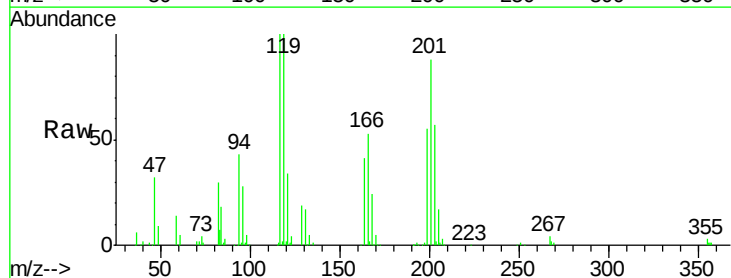
Manual Integrations
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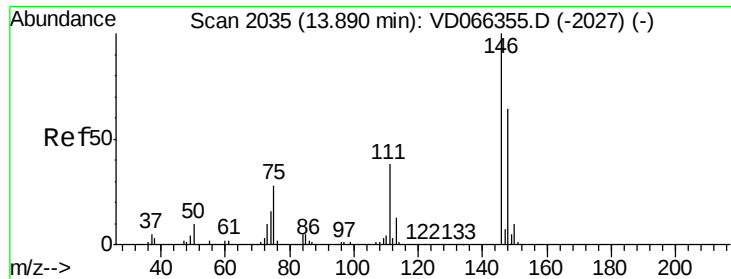
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#90
Hexachloroethane
Concen: 49.646 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.8	45.4	136.2	





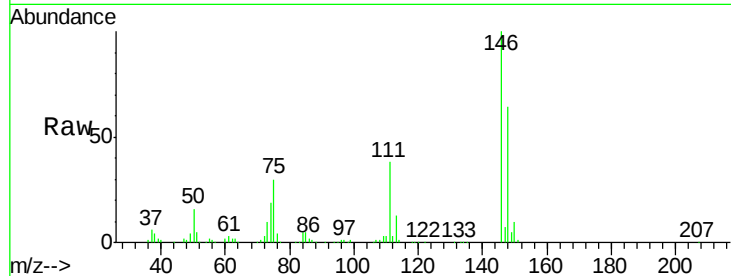
#91
 1,2-Dichlorobenzene
 Concen: 48.058 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

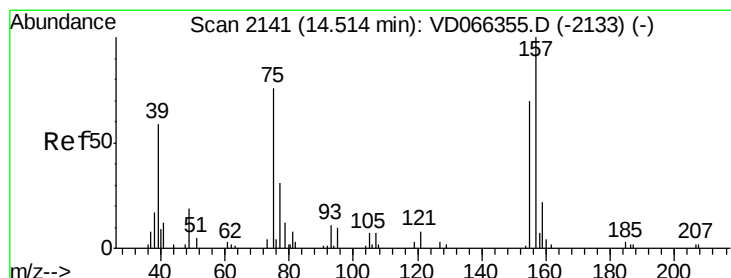
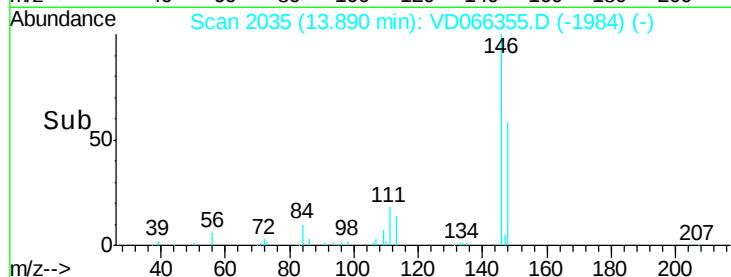
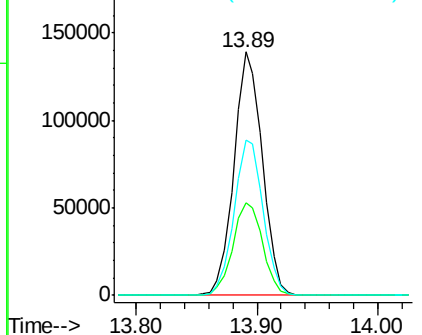
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	65.2	32.6	97.8

Manual Integrations
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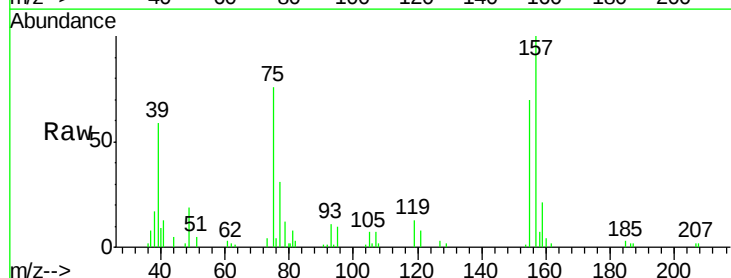


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

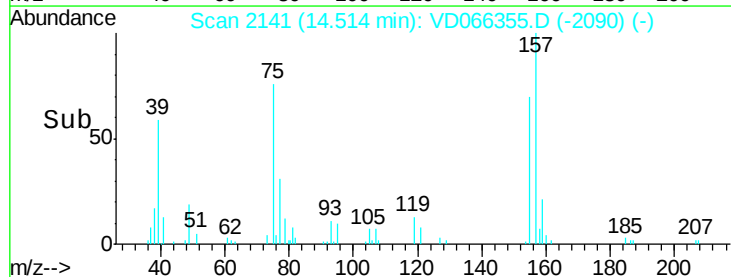
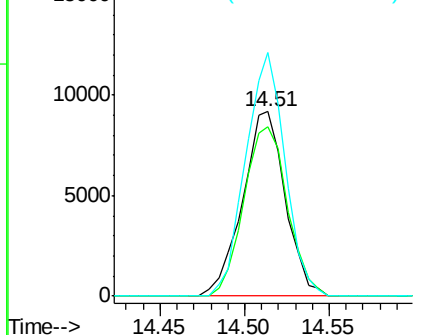


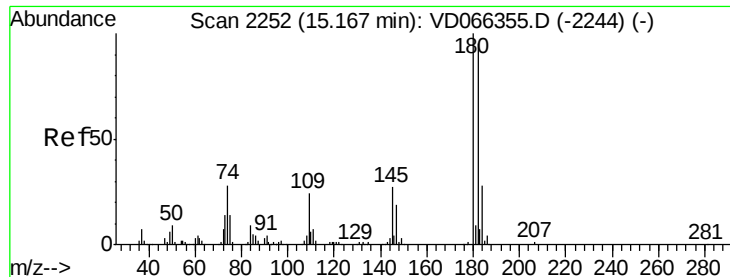
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.891 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	46.9	140.6
157	122.0	61.0	183.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





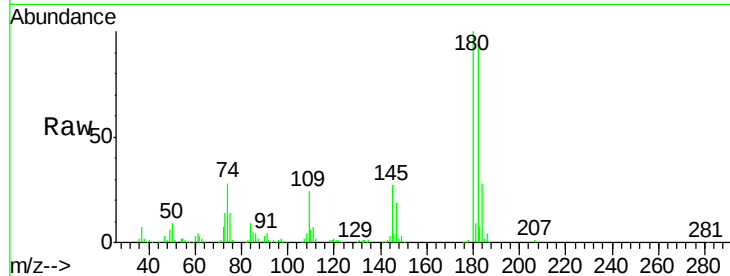
#93
 1,2,4-Trichlorobenzene
 Concen: 51.645 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

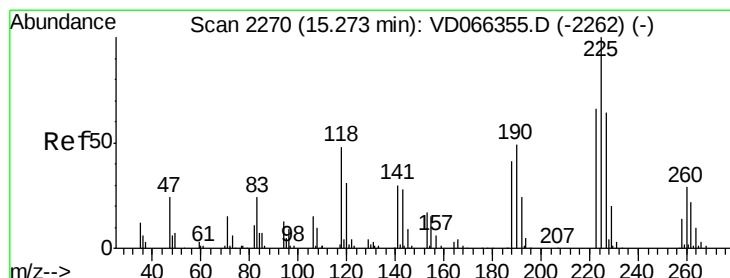
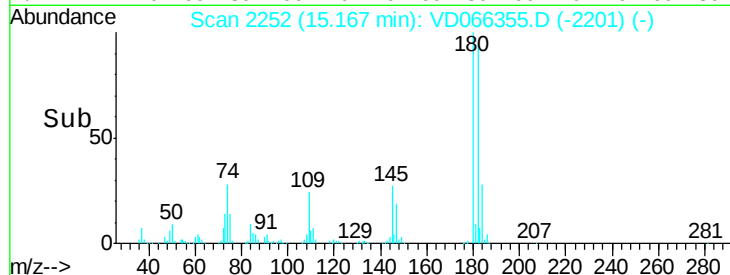
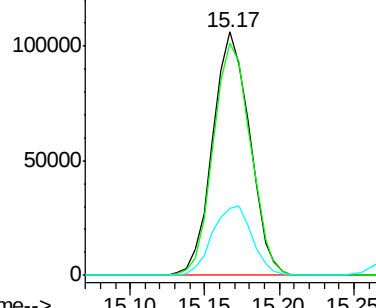
Tot Ion	Ratio	Resp	Lower	Upper
180	100	182633		
182	96.0	48.0	144.0	
145	30.4	15.2	45.6	

Manual Integrations
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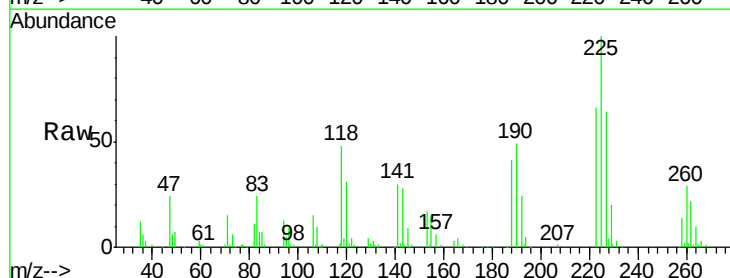


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

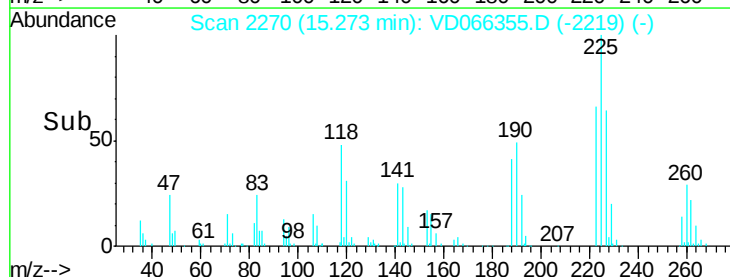
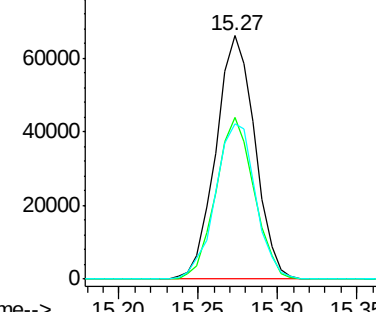


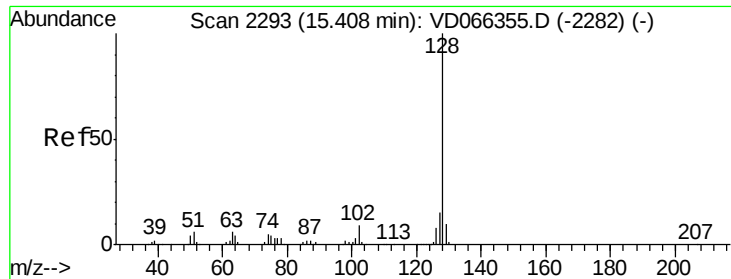
#94
 Hexachlorobutadiene
 Concen: 53.666 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066355.D
 Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113166		
223	64.9	32.5	97.4	
227	65.9	33.0	98.9	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





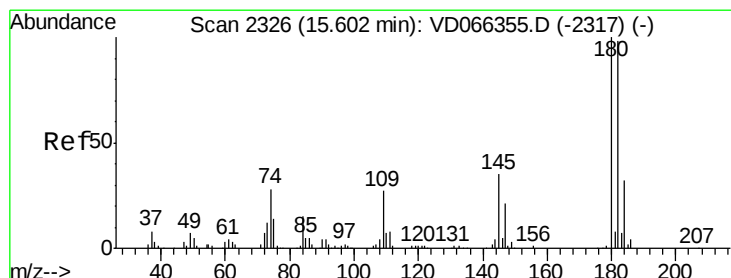
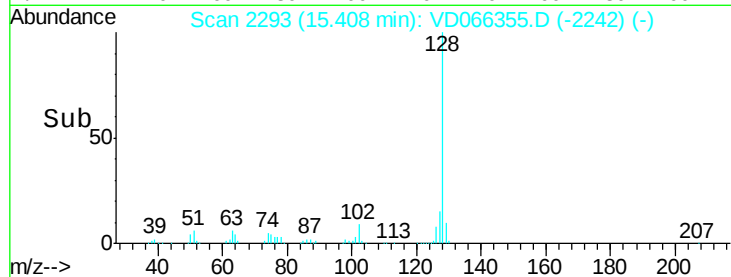
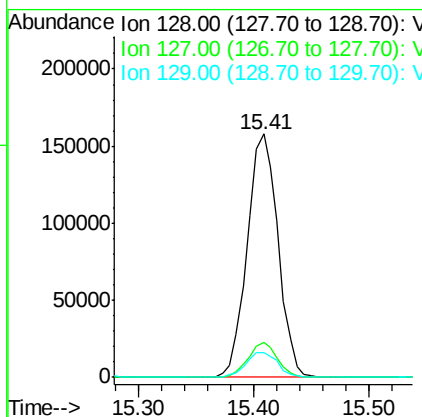
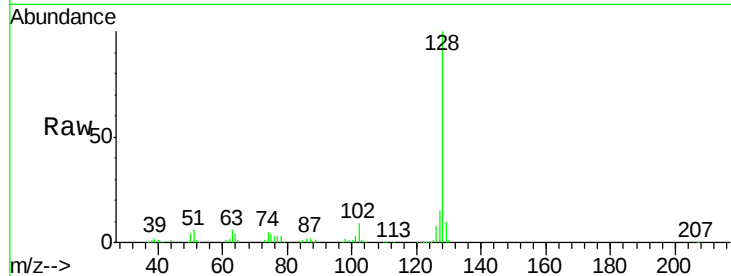
#95
Naphthalene
Concen: 51.343 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	293556		
127	13.4	10.7	16.1	
129	10.7	8.6	12.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.016 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066355.D
Acq: 21 Aug 2020 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	158755		
182	93.3	46.7	140.0	
145	32.0	16.0	48.0	

