

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064841.D
 Acq On : 25 Nov 2020 4:18
 Operator : JC/MD
 Sample : L4798-09MS 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MS

Manual Integrations
 APPROVED

MMDadoda
 11/25/2020 9:51:40 AM

Quant Time: Nov 25 06:44:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	188060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	298160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	277655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136137	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107563	49.20	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.40%
35) Dibromofluoromethane	7.55	113	92903	52.07	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.14%
50) Toluene-d8	10.06	98	361426	49.58	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.16%
62) 4-Bromofluorobenzene	12.37	95	127912	49.03	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.06%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	75871	46.550	ug/l 98
3) Chloromethane	2.04	50	94344	44.544	ug/l 100
4) Vinyl Chloride	2.17	62	106628	48.287	ug/l 99
5) Bromomethane	2.53	94	60457	41.730	ug/l 99
6) Chloroethane	2.67	64	66517	48.703	ug/l 98
7) Trichlorofluoromethane	2.99	101	145516	47.672	ug/l 97
8) Diethyl Ether	3.37	74	57710	47.898	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	85016	46.429	ug/l 98
10) Methyl Iodide	3.91	142	94061	39.603	ug/l 98
11) Tert butyl alcohol	4.74	59	71861	210.759	ug/l 99
12) 1,1-Dichloroethene	3.69	96	87995	48.253	ug/l 98
13) Acrolein	3.57	56	39649	190.377	ug/l 96
14) Allyl chloride	4.27	41	137104	45.583	ug/l 100
15) Acrylonitrile	4.93	53	227311	241.328	ug/l 99
16) Acetone	3.78	43	173966	242.055	ug/l 99
17) Carbon Disulfide	4.01	76	224654	47.712	ug/l 99
18) Methyl Acetate	4.28	43	100471	46.496	ug/l 98
19) Methyl tert-butyl Ether	5.00	73	285153	48.754	ug/l 98
20) Methylene Chloride	4.50	84	104326	46.324	ug/l 99
21) trans-1,2-Dichloroethene	4.99	96	95511	47.163	ug/l 98
22) Diisopropyl ether	5.90	45	301633	50.103	ug/l 98
23) Vinyl Acetate	5.85	43	1211137	251.572	ug/l 99
24) 1,1-Dichloroethane	5.79	63	177436	49.316	ug/l 98
25) 2-Butanone	6.79	43	276977	237.737	ug/l 97
26) 2,2-Dichloropropane	6.78	77	121802	39.033	ug/l 95
27) cis-1,2-Dichloroethene	6.78	96	148257	65.060	ug/l 95
28) Bromochloromethane	7.15	49	79532	48.320	ug/l 97
29) Tetrahydrofuran	7.17	42	188047	233.822	ug/l 99
30) Chloroform	7.33	83	182837	49.278	ug/l 96
31) Cyclohexane	7.61	56	141817	46.540	ug/l 98
32) 1,1,1-Trichloroethane	7.53	97	155478	48.790	ug/l 99
36) 1,1-Dichloropropene	7.75	75	131473	47.572	ug/l 99
37) Ethyl Acetate	6.89	43	120150	45.133	ug/l 100
38) Carbon Tetrachloride	7.73	117	141120	49.076	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	144517	48.576	ug/l	97
40) Benzene	8.00	78	406558	48.007	ug/l	99
41) Methacrylonitrile	7.13	41	59332	48.302	ug/l	89
42) 1,2-Dichloroethane	8.08	62	133634	46.776	ug/l	100
43) Isopropyl Acetate	8.13	43	192445	44.925	ug/l	99
44) Trichloroethene	8.80	130	345430	138.242	ug/l	100
45) 1,2-Dichloropropane	9.08	63	109973	50.144	ug/l	99
46) Dibromomethane	9.17	93	72457	49.453	ug/l	97
47) Bromodichloromethane	9.37	83	143150	48.557	ug/l	100
48) Methyl methacrylate	9.16	41	94989	46.406	ug/l	97
49) 1,4-Dioxane	9.17	88	34649	895.626	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	605476	235.438	ug/l	100
52) Toluene	10.12	92	260152	49.881	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	151307	46.080	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	166944	47.433	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	104025	48.505	ug/l	96
56) Ethyl methacrylate	10.40	69	144674	48.884	ug/l	99
57) 1,3-Dichloropropane	10.68	76	171162	48.382	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	404019	248.178	ug/l	100
59) 2-Hexanone	10.72	43	441386	238.482	ug/l	98
60) Dibromochloromethane	10.87	129	118685	49.785	ug/l	98
61) 1,2-Dibromoethane	10.98	107	107420	49.300	ug/l	99
64) Tetrachloroethene	10.60	164	115905	42.907	ug/l	99
65) Chlorobenzene	11.40	112	284141	47.654	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	107506	49.061	ug/l	99
67) Ethyl Benzene	11.48	91	489700	49.162	ug/l	100
68) m/p-Xylenes	11.59	106	379152	100.537	ug/l	99
69) o-Xylene	11.92	106	182808	51.082	ug/l	97
70) Styrene	11.94	104	308950	51.138	ug/l	99
71) Bromoform	12.10	173	81359	46.486	ug/l #	100
73) Isopropylbenzene	12.22	105	479767	50.666	ug/l	99
74) N-amyl acetate	12.04	43	170021	45.625	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	134584	48.490	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	140079m	47.779	ug/l	
77) Bromobenzene	12.50	156	122101	47.828	ug/l	98
78) n-propylbenzene	12.56	91	538267	49.898	ug/l	98
79) 2-Chlorotoluene	12.65	91	321308	48.185	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	409428	52.019	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	44903	41.977	ug/l	96
82) 4-Chlorotoluene	12.75	91	331246	47.392	ug/l	98
83) tert-Butylbenzene	12.96	119	339555	51.469	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	414076	52.033	ug/l	99
85) sec-Butylbenzene	13.14	105	445462	50.855	ug/l	100
86) p-Isopropyltoluene	13.26	119	412881	51.773	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	216778	47.794	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	215500	44.927	ug/l	99
89) n-Butylbenzene	13.59	91	333407	47.606	ug/l	99
90) Hexachloroethane	13.85	117	69590	50.231	ug/l	97
91) 1,2-Dichlorobenzene	13.62	146	213418	47.921	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	26645	42.666	ug/l	97

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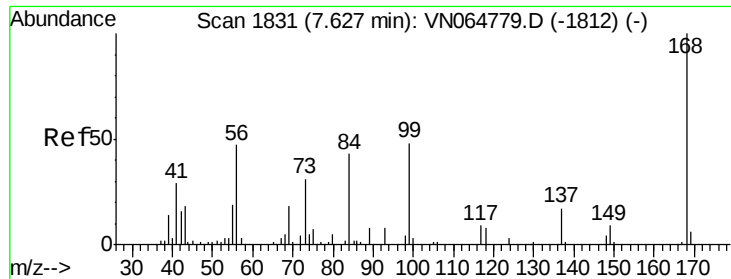
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	119101	43.231	ug/l	99
94) Hexachlorobutadiene	14.98	225	56434	45.523	ug/l	99
95) Naphthalene	15.10	128	364611	44.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	117583	45.053	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion:168 Resp: 188060

Ion Ratio Lower Upper

168 100

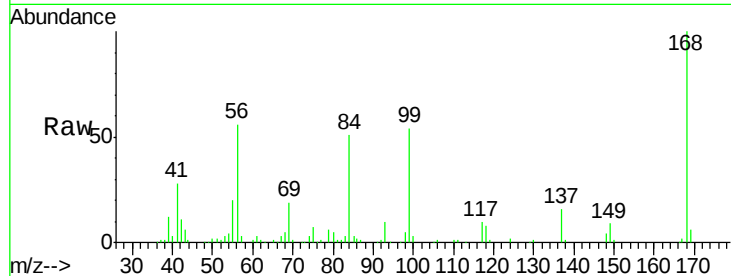
99 54.1 43.0 64.4

Manual Integrations

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11/25/2020 9:51:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

40000

20000

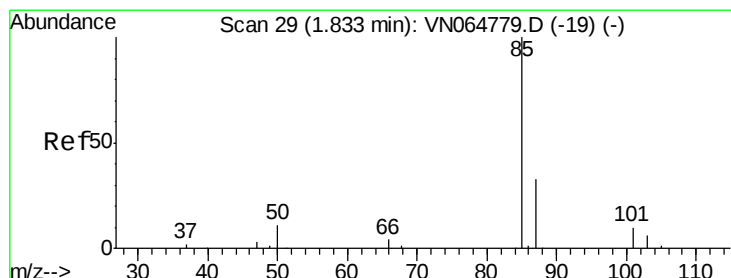
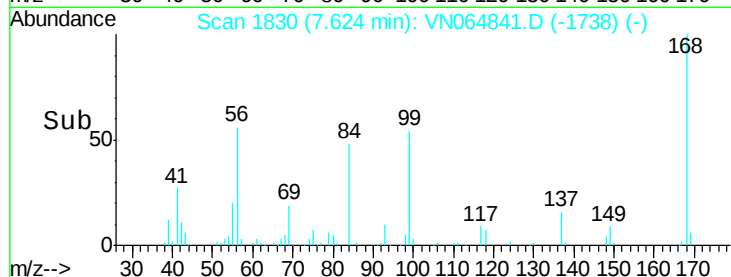
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.550 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064841.D

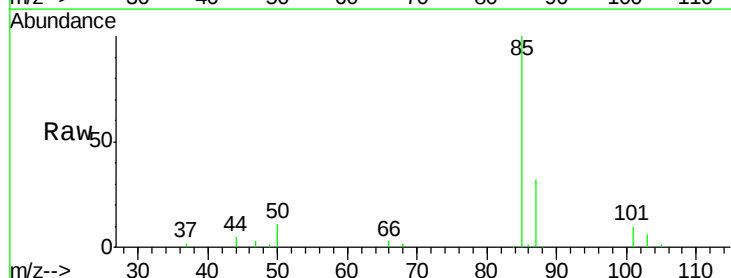
Acq: 25 Nov 2020 4:18

Tgt Ion: 85 Resp: 75871

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

40000

20000

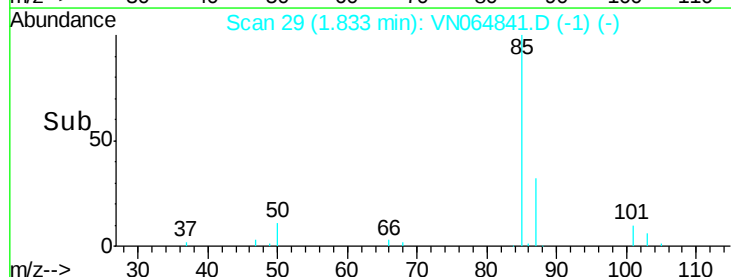
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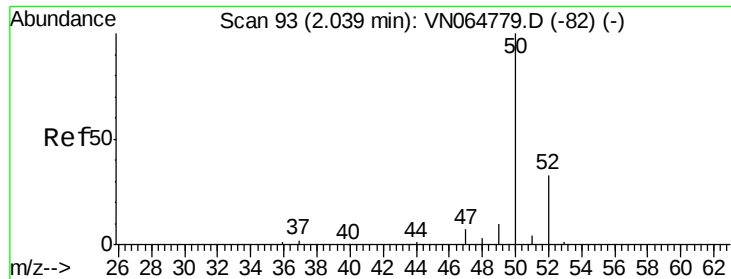
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 44.544 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion: 50 Resp: 94344

Ion Ratio Lower Upper

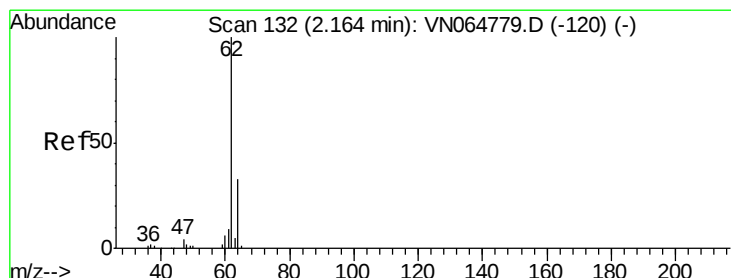
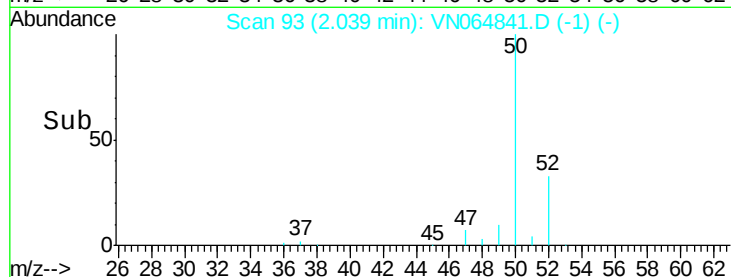
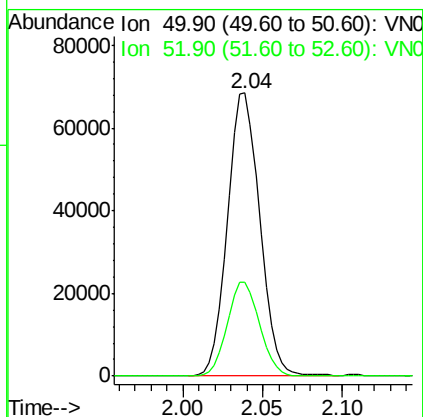
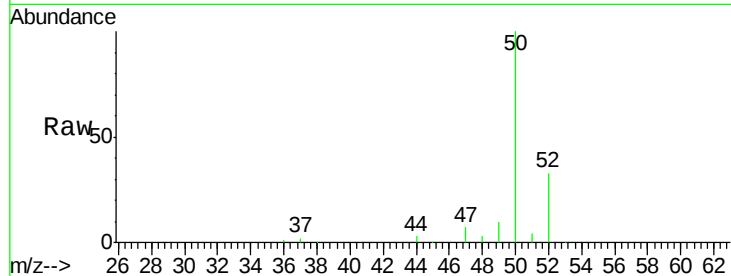
50 100

52 33.4 26.6 39.8

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#4

Vinyl Chloride

Concen: 48.287 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064841.D

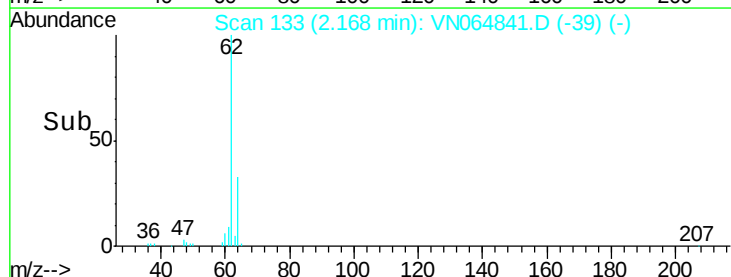
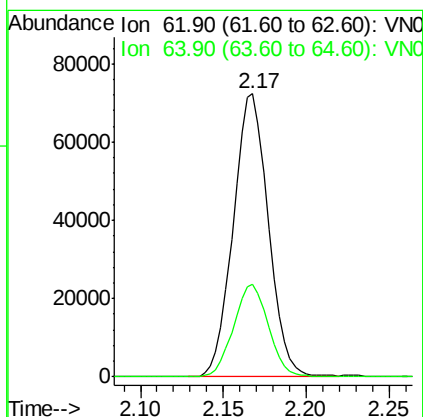
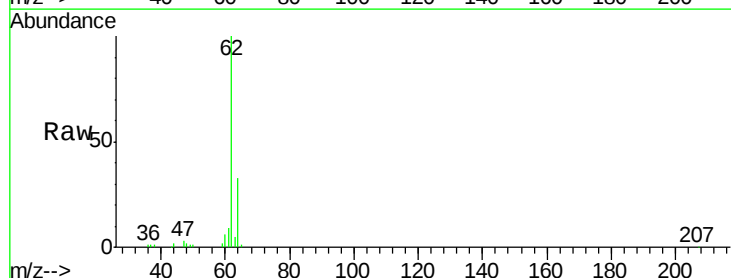
Acq: 25 Nov 2020 4:18

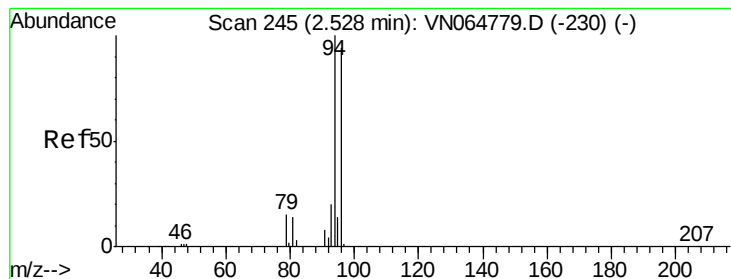
Tgt Ion: 62 Resp: 106628

Ion Ratio Lower Upper

62 100

64 32.8 26.5 39.7





#5

Bromomethane

Concen: 41.730 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

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Tot Ion: 94 Resp: 60457

Ion Ratio Lower Upper

94 100

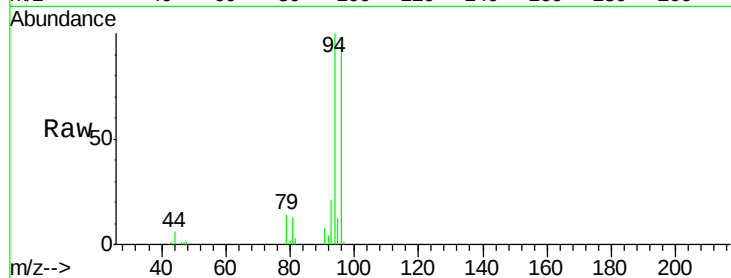
96 95.1 75.4 113.0

Manual Integrations

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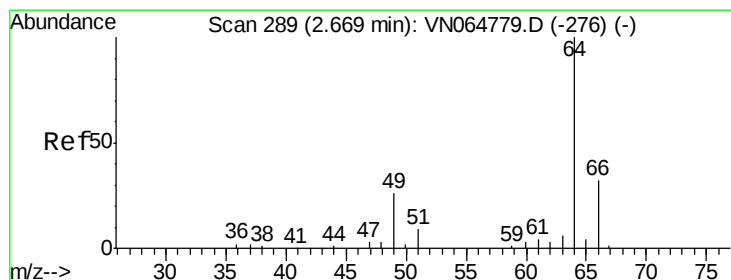
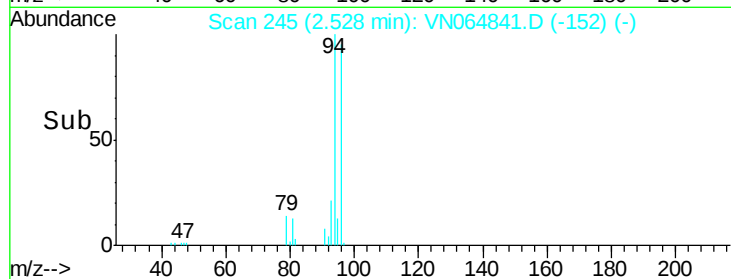
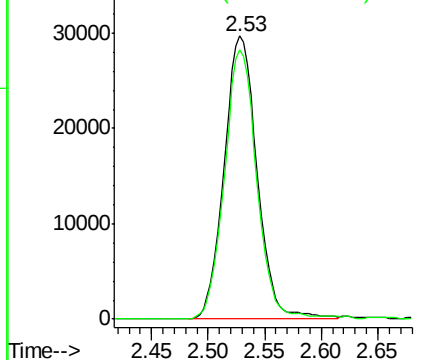
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.703 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064841.D

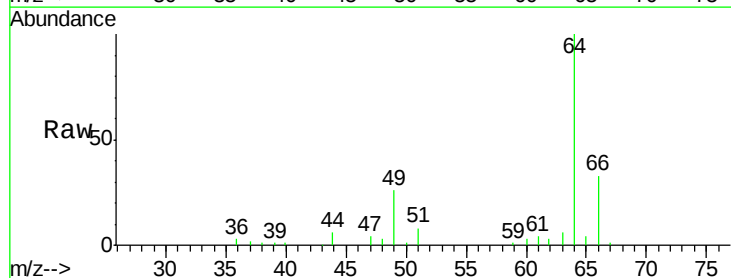
Acq: 25 Nov 2020 4:18

Tgt Ion: 64 Resp: 66517

Ion Ratio Lower Upper

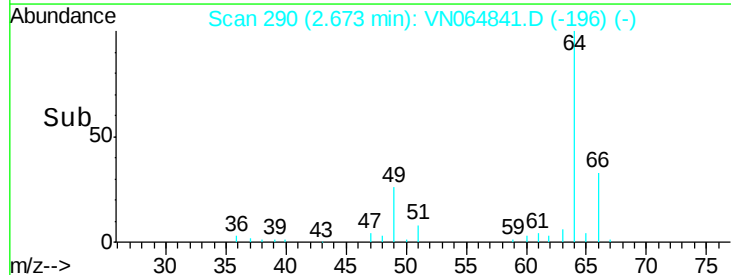
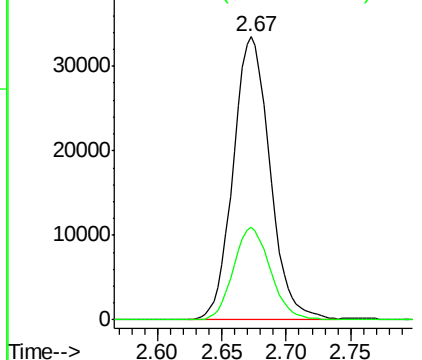
64 100

66 32.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

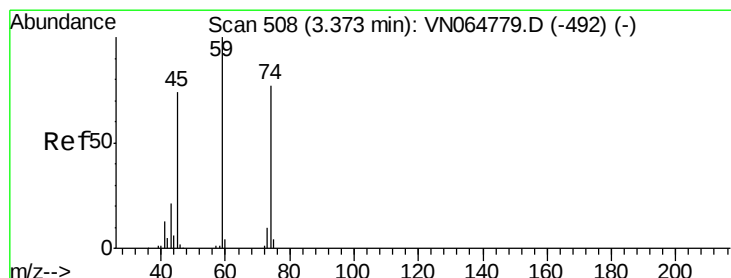
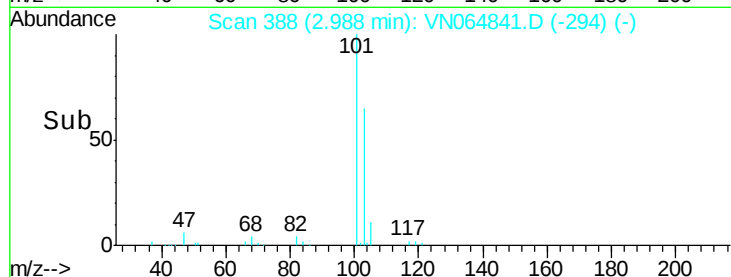
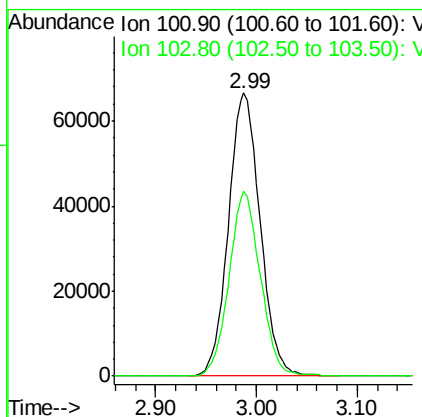
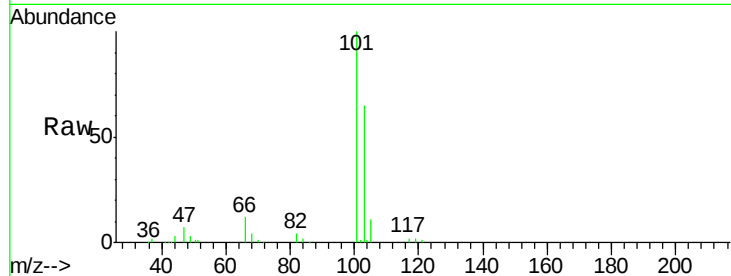
Trichlorofluoromethane
Concen: 47.672 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064841.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	145516		
103	65.1	50.5	75.7	

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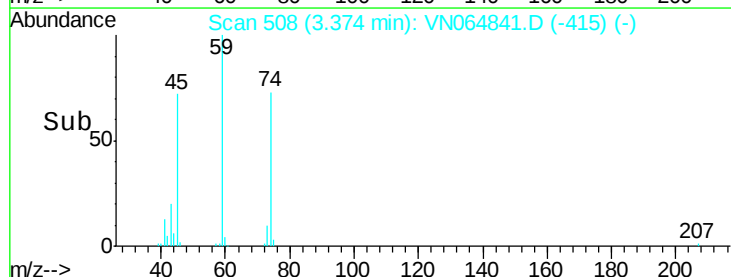
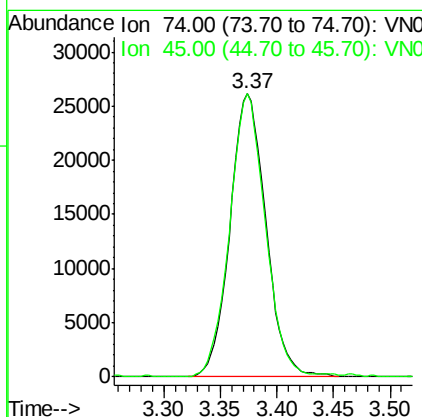
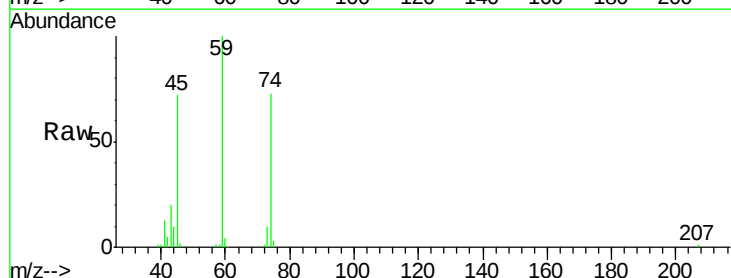
MMDadoda
11/25/2020 9:51:40 AM

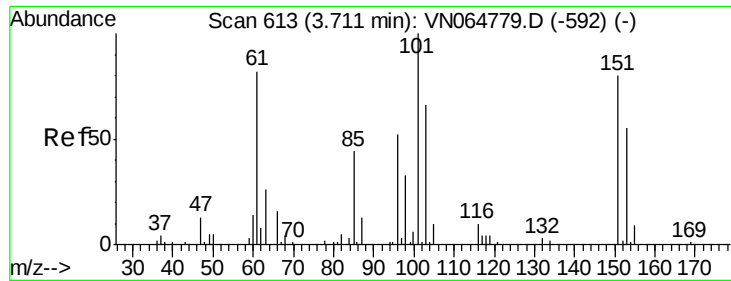


#8

Diethyl Ether
Concen: 47.898 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57710		
45	99.4	48.9	146.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.429 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064841.D

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MSVOA_N

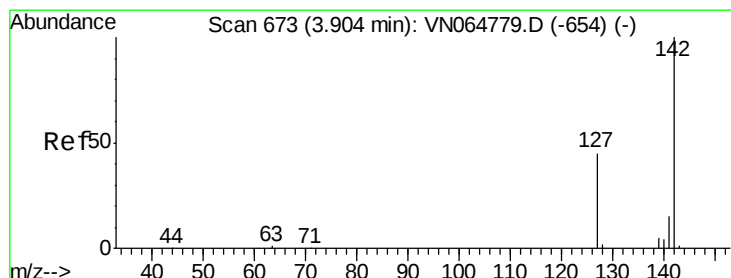
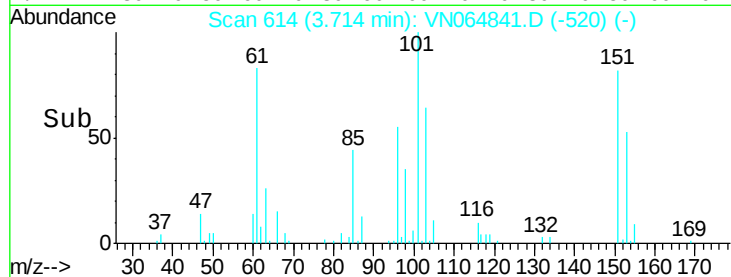
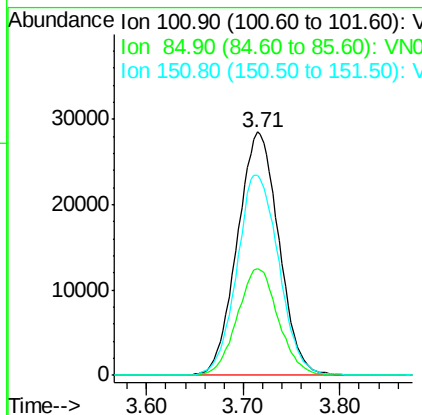
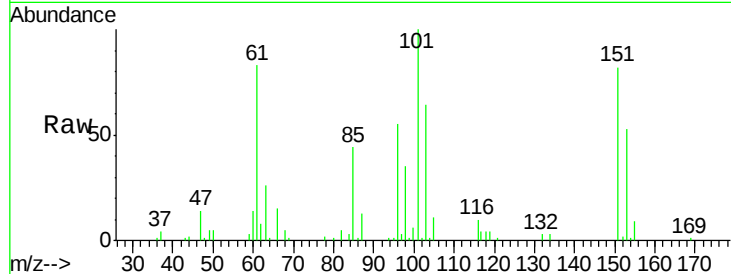
ClientSampleId :

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Tot Ion:	101	Resp:	85016
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.4	51.6
151	82.9	64.0	96.0

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MMDadoda
11/25/2020 9:51:40 AM



#10

Methyl Iodide

Concen: 39.603 ug/l

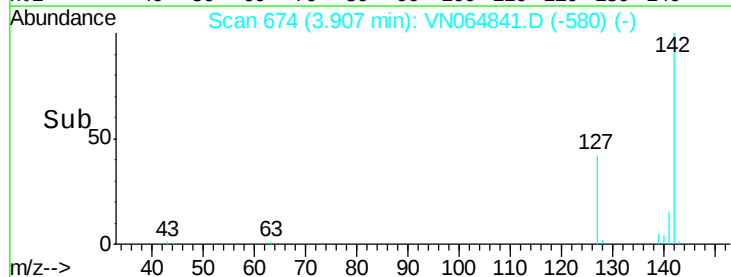
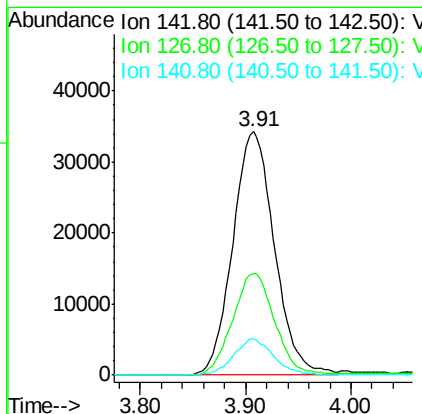
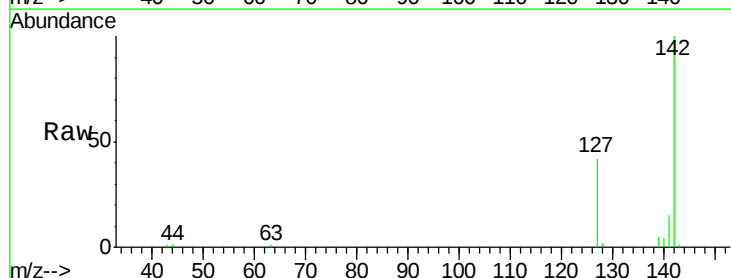
RT: 3.91 min Scan# 674

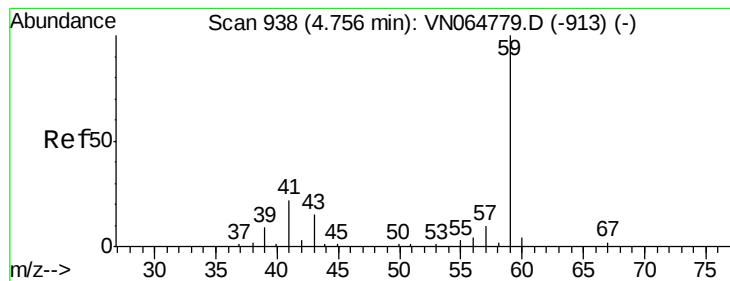
Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Tgt Ion:	142	Resp:	94061
Ion Ratio	Lower	Upper	
142	100		
127	42.2	35.0	52.6
141	14.2	11.8	17.6





#11

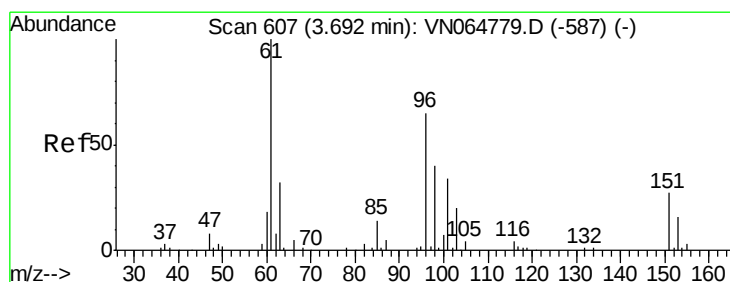
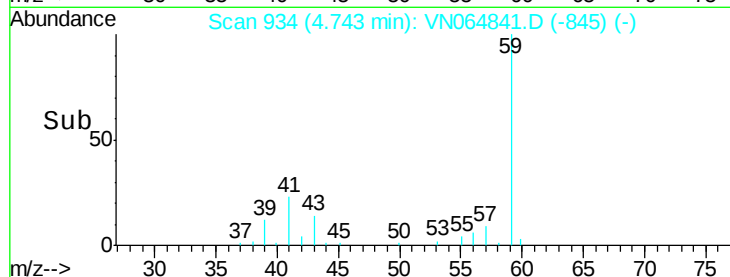
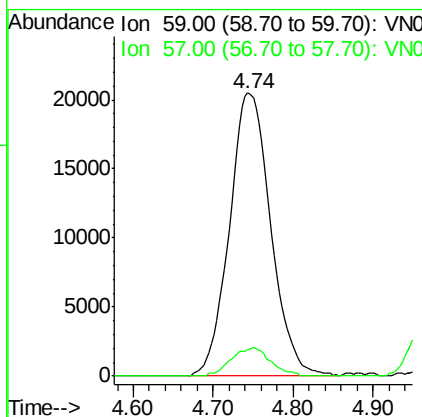
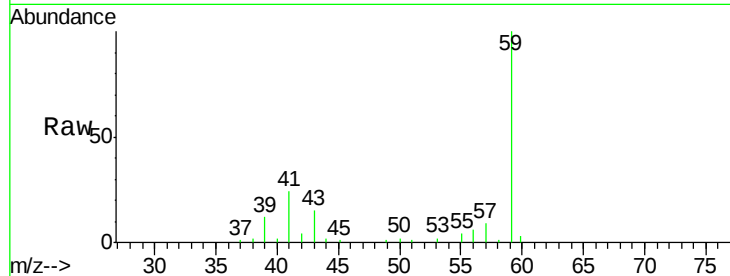
Tert butyl alcohol
 Concen: 210.759 ug/l
 RT: 4.74 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.9	11.9

Manual Integrations
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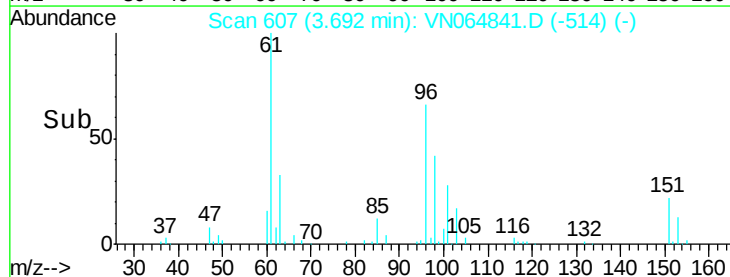
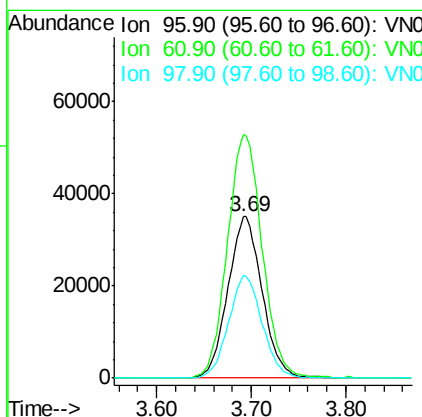
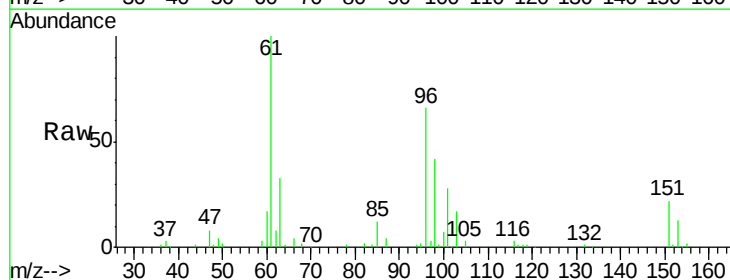
MMDadoda
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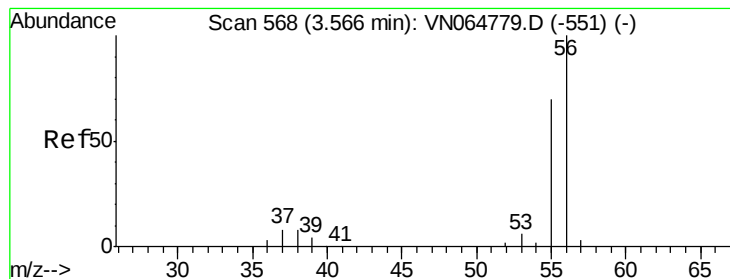


#12

1,1-Dichloroethene
 Concen: 48.253 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.7	123.4	185.2
98	63.4	49.8	74.8





#13

Acrolein

Concen: 190.377 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion: 56 Resp: 39649

Ion Ratio Lower Upper

56 100

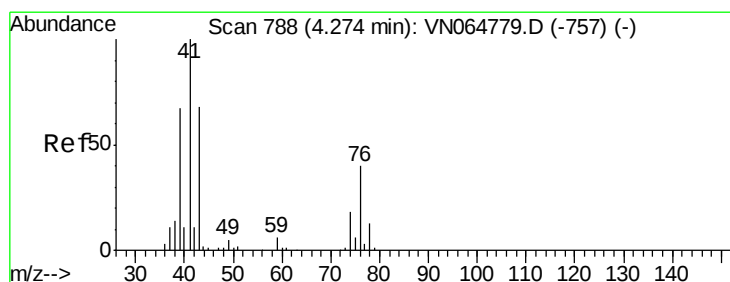
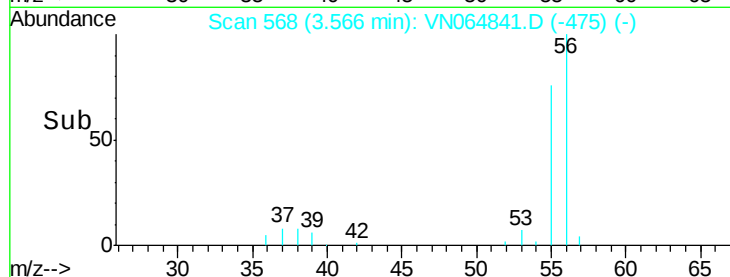
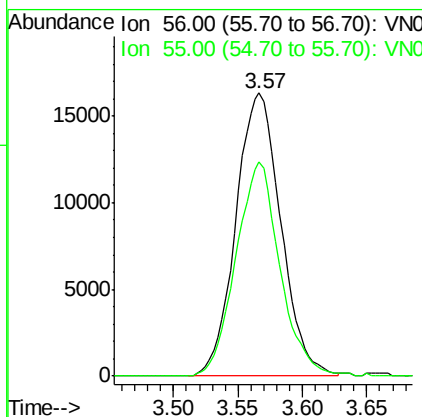
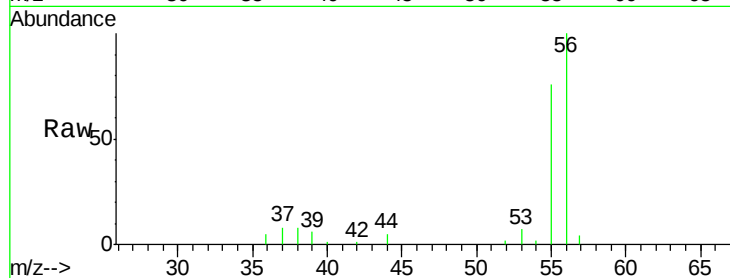
55 74.0 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 45.583 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

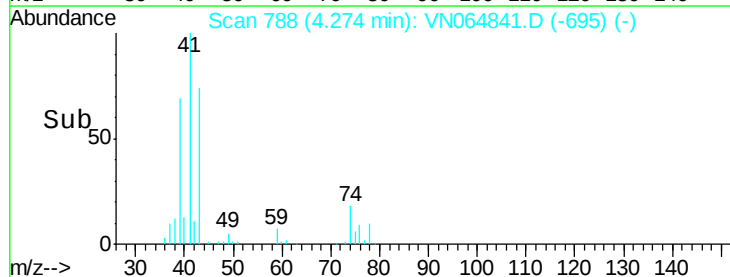
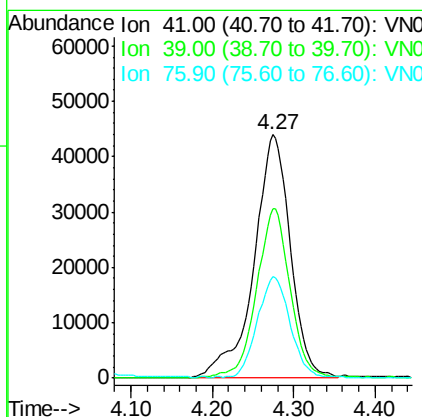
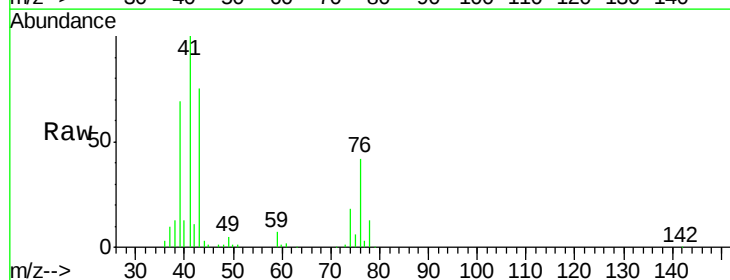
Tgt Ion: 41 Resp: 137104

Ion Ratio Lower Upper

41 100

39 63.8 50.9 76.3

76 36.3 29.0 43.4





#15

Acrylonitrile

Concen: 241.328 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

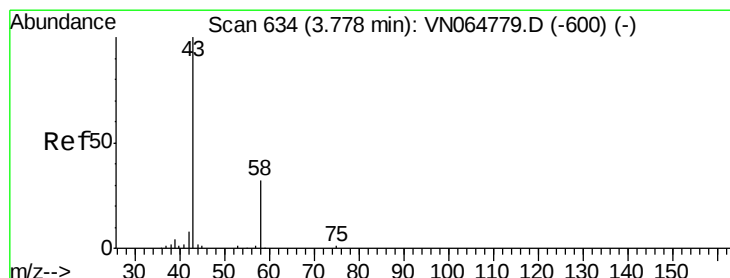
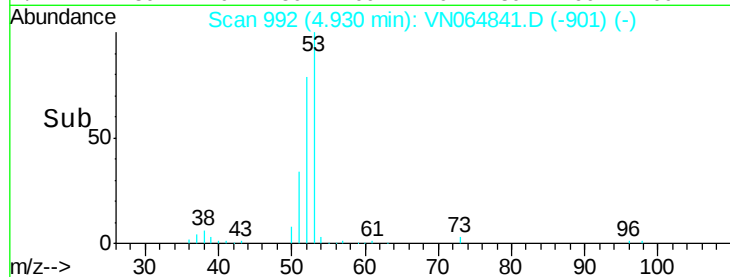
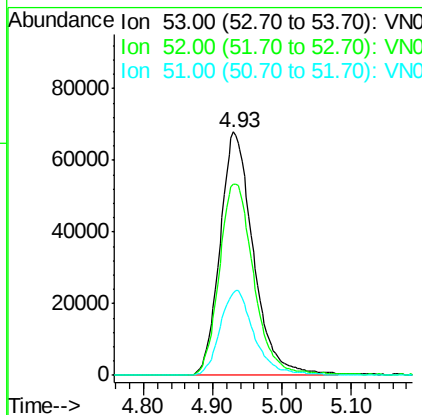
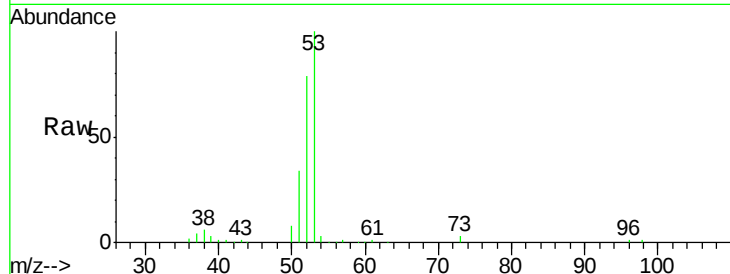
ClientSampleId :

56BR-20201118MS

Tot Ion:	53	Resp:	227311
Ion Ratio	Lower	Upper	
53	100		
52	81.1	65.5	98.3
51	35.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 242.055 ug/l

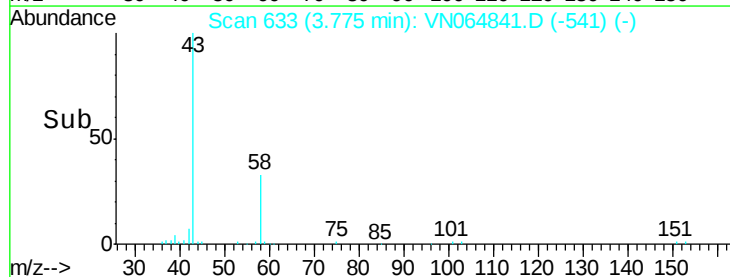
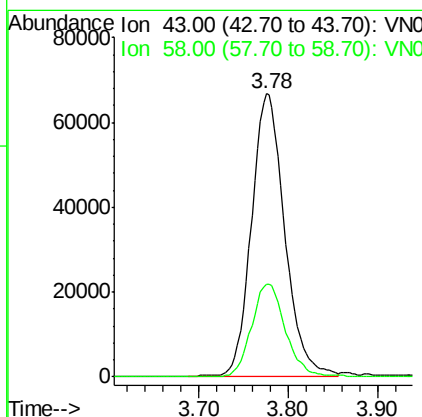
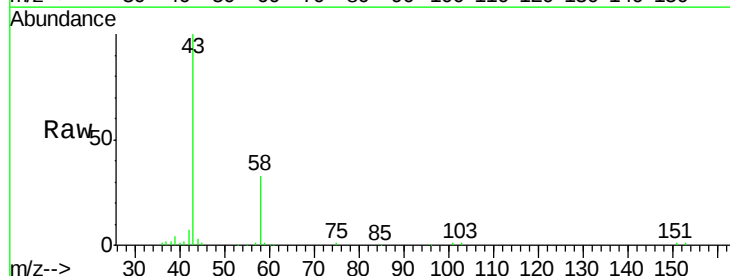
RT: 3.78 min Scan# 633

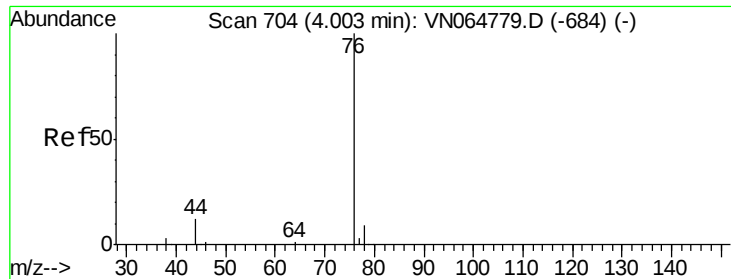
Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Tgt Ion:	43	Resp:	173966
Ion Ratio	Lower	Upper	
43	100		
58	32.9	25.7	38.5





#17

Carbon Disulfide

Concen: 47.712 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion: 76 Resp: 224654

Ion Ratio Lower Upper

76 100

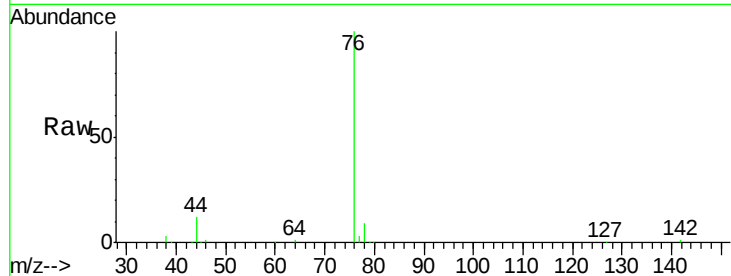
78 9.0 7.4 11.0

Manual Integrations

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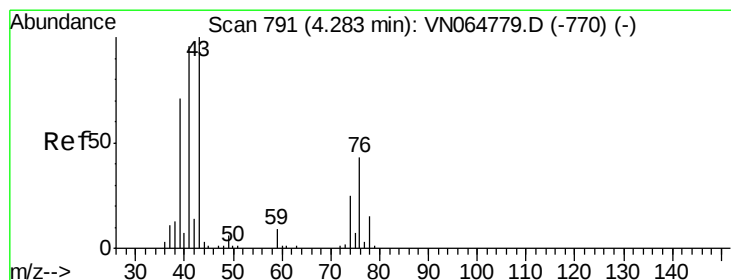
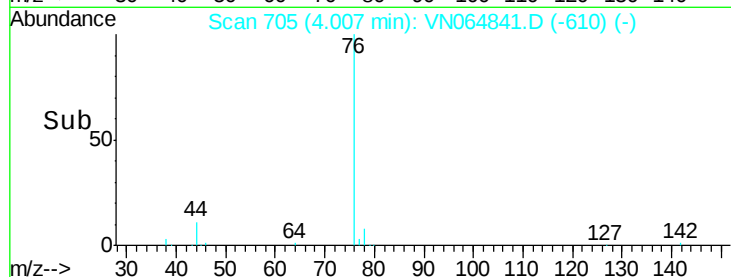
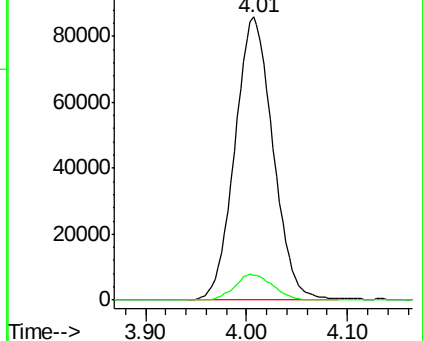
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Abundance Ion 75.90 (75.60 to 76.60): VN064841.D (-610) (-)

Ion 77.90 (77.60 to 78.60): VN064841.D (-610) (-)



#18

Methyl Acetate

Concen: 46.496 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064841.D

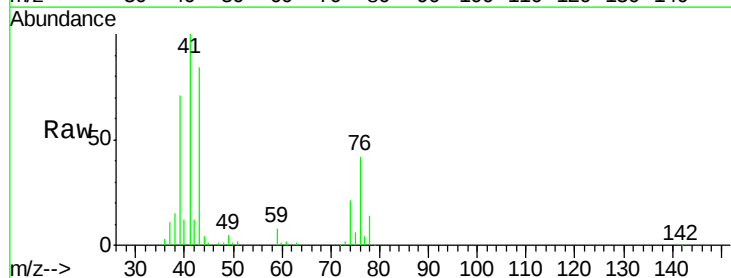
Acq: 25 Nov 2020 4:18

Tgt Ion: 43 Resp: 100471

Ion Ratio Lower Upper

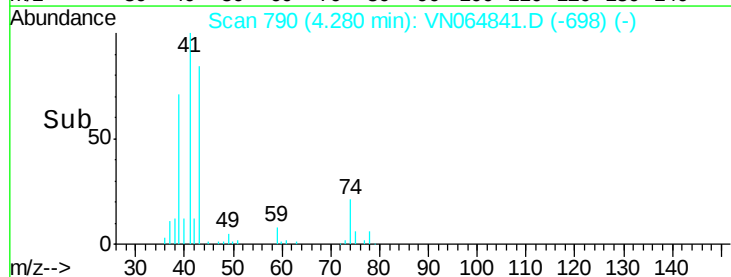
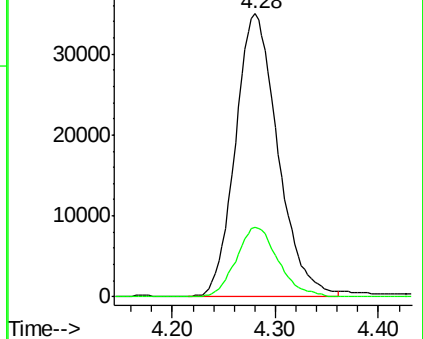
43 100

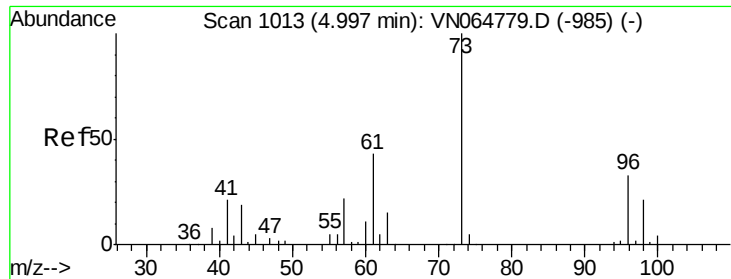
74 24.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN064841.D (-698) (-)

Ion 74.00 (73.70 to 74.70): VN064841.D (-698) (-)





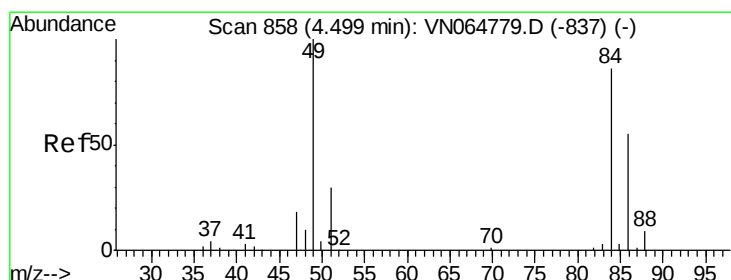
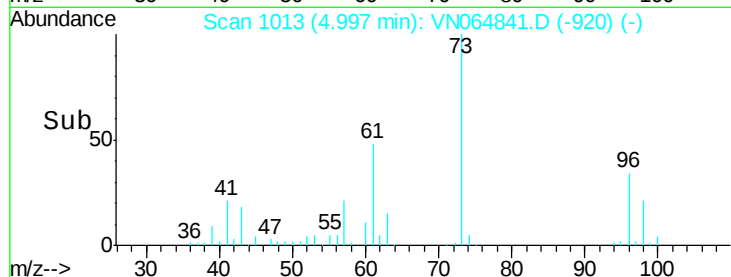
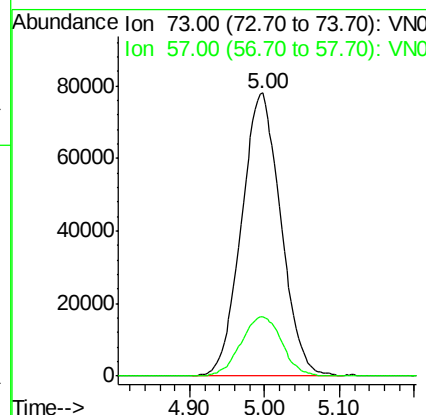
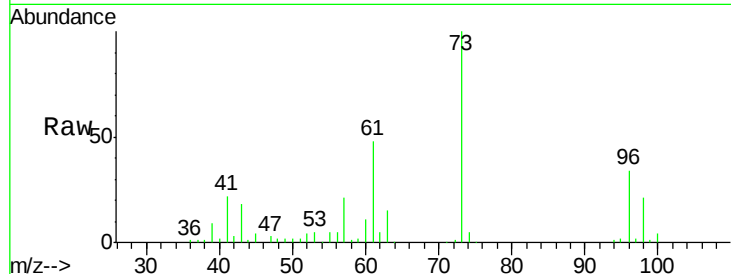
#19
Methvl tert-butvl Ether
Concen: 48.754 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion: 73 Resp: 285153
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.0

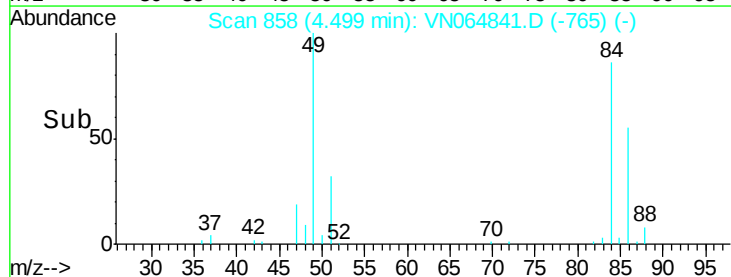
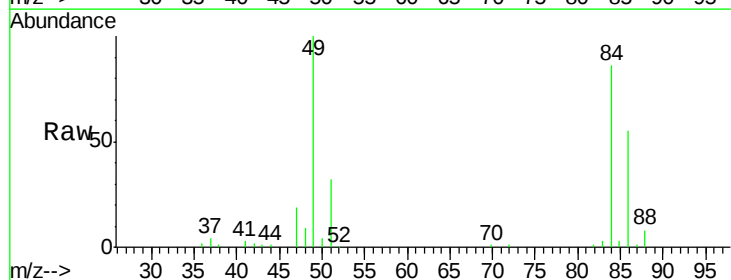
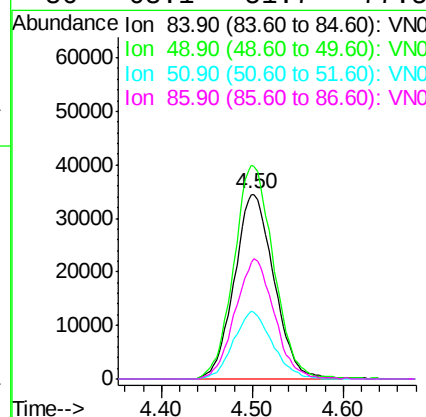
Manual Integrations
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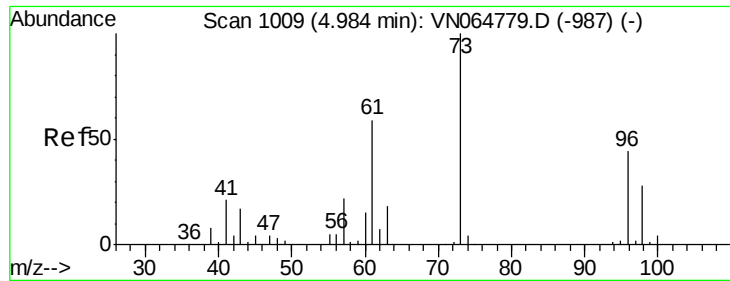
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#20
Methylene Chloride
Concen: 46.324 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion: 84 Resp: 104326
Ion Ratio Lower Upper
84 100
49 115.6 93.4 140.0
51 36.5 28.2 42.4
86 63.1 51.7 77.5





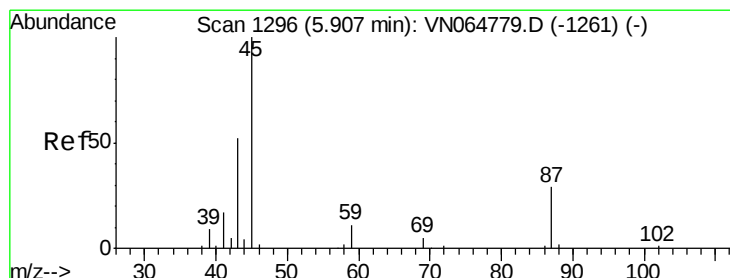
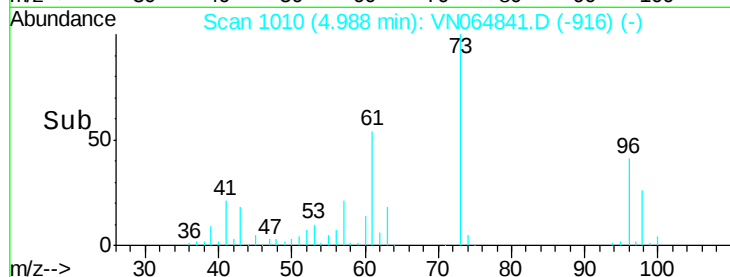
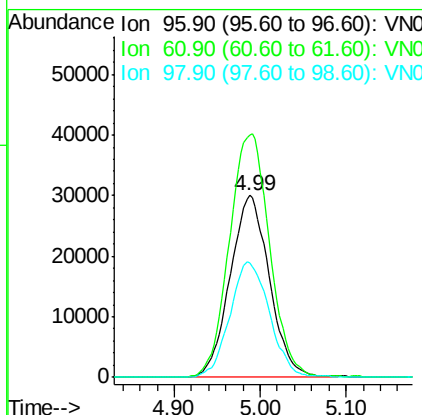
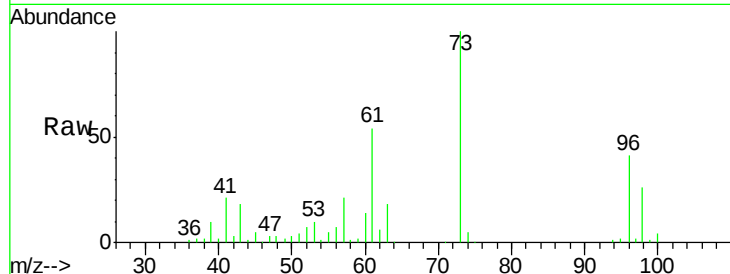
#21
trans-1,2-Dichloroethene
Concen: 47.163 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	108.4	162.6
98	62.9	51.3	76.9

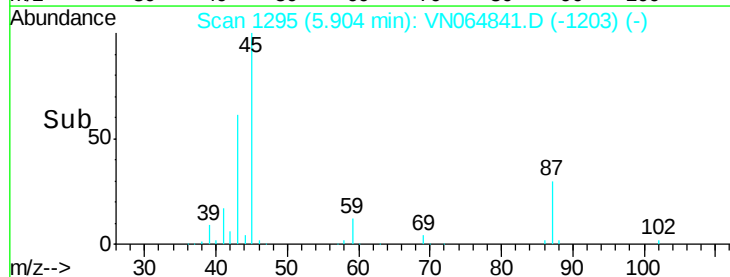
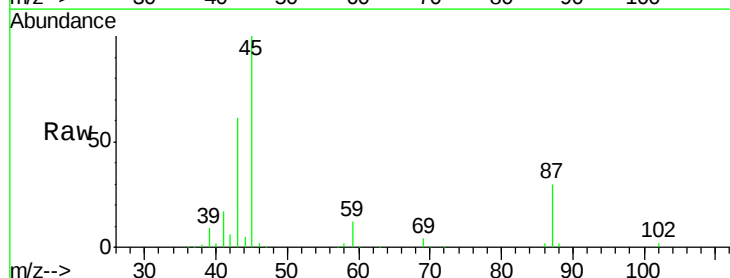
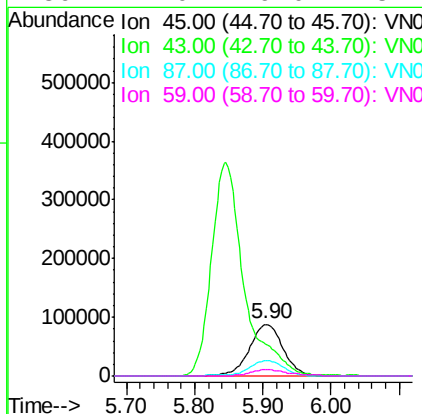
Manual Integrations
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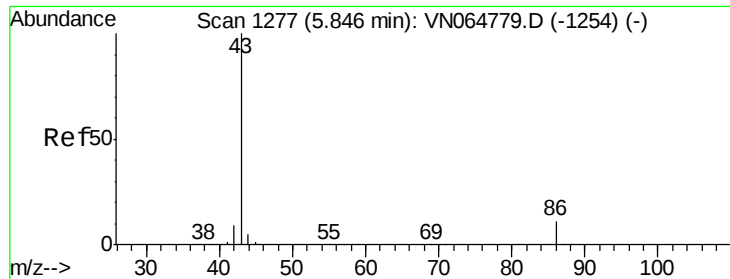
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#22
Diisopropyl ether
Concen: 50.103 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.8	46.2	69.2
87	30.1	24.1	36.1
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 251.572 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion: 43 Resp: 1211137

Ion Ratio Lower Upper

43 100

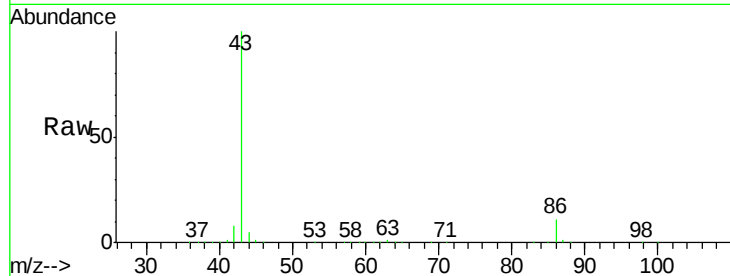
86 10.9 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

400000

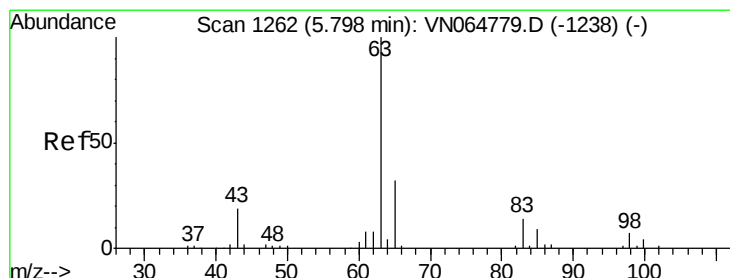
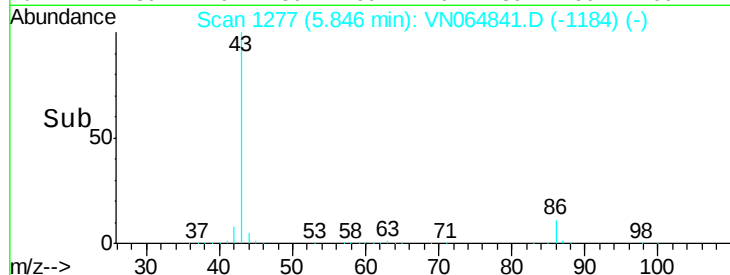
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.316 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

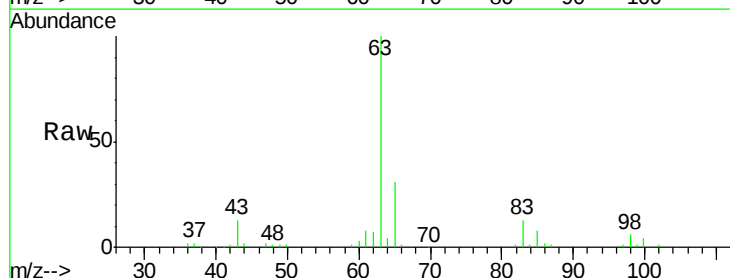
Tgt Ion: 63 Resp: 177436

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 4.0 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.79

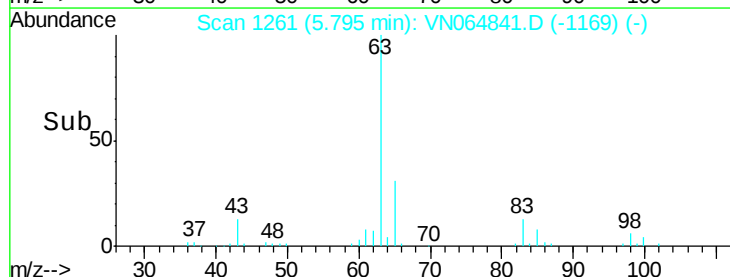
60000

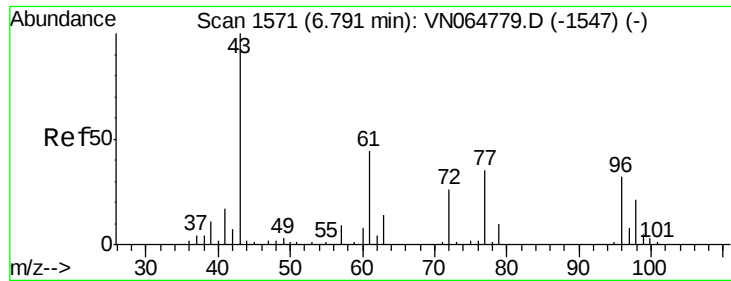
40000

20000

0

Time-->





#25

2-Butanone

Concen: 237.737 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion: 43 Resp: 276977

Ion Ratio Lower Upper

43 100

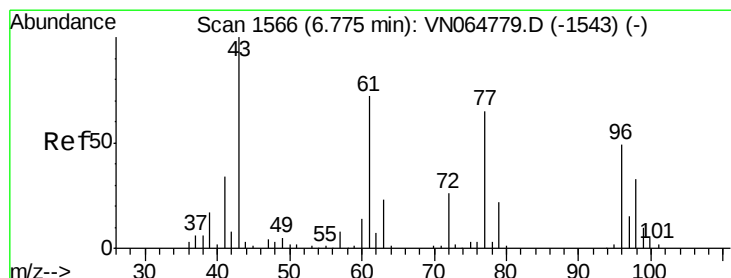
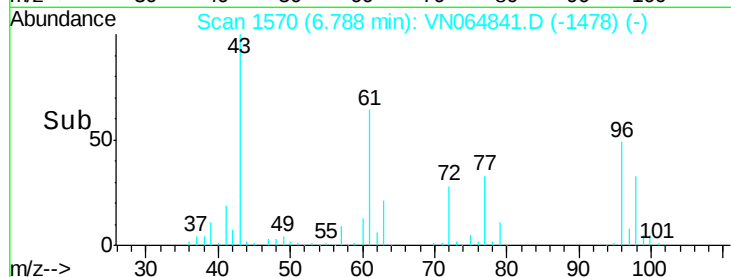
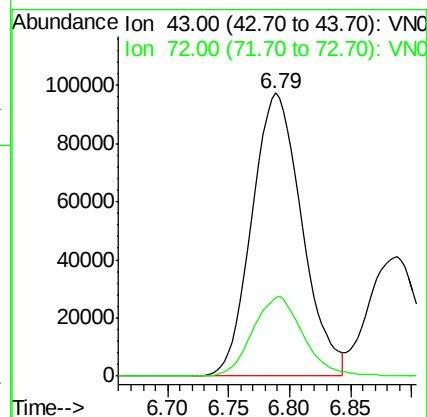
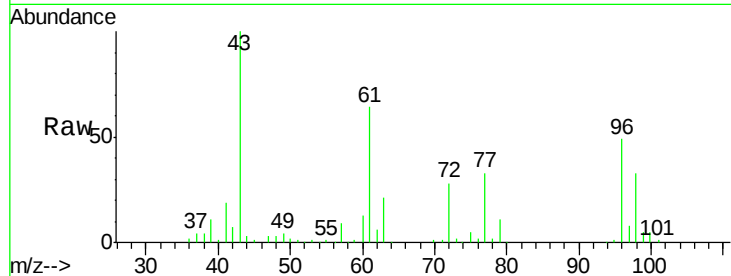
72 27.8 21.0 31.6

Manual Integrations

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MMDadoda

11/25/2020 9:51:40 AM



#26

2,2-Dichloropropane

Concen: 39.033 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064841.D

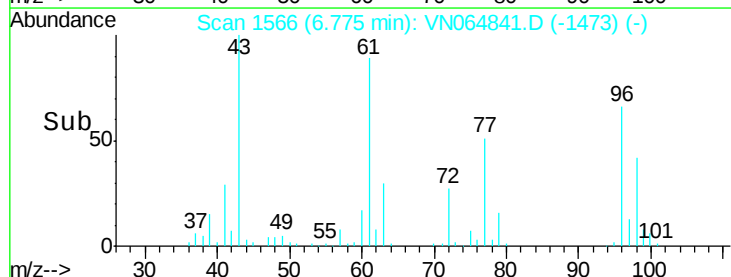
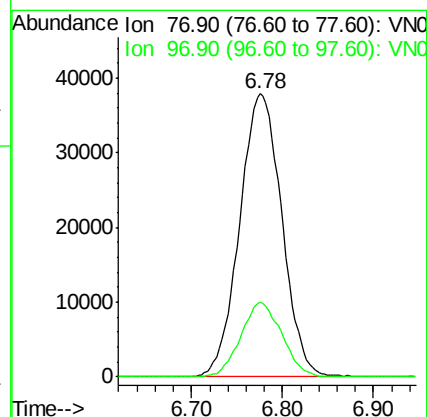
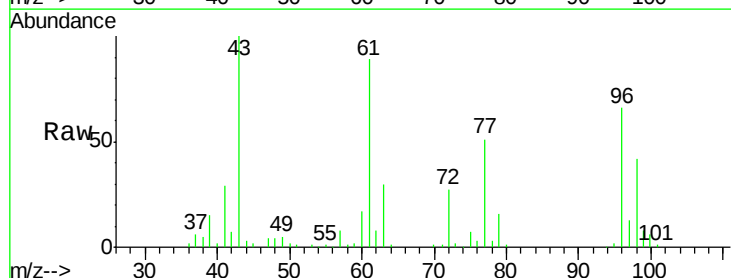
Acq: 25 Nov 2020 4:18

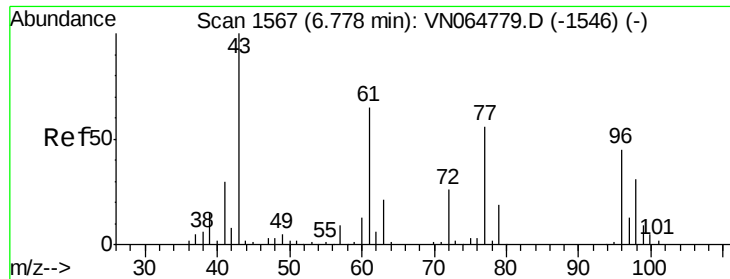
Tgt Ion: 77 Resp: 121802

Ion Ratio Lower Upper

77 100

97 25.5 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 65.060 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

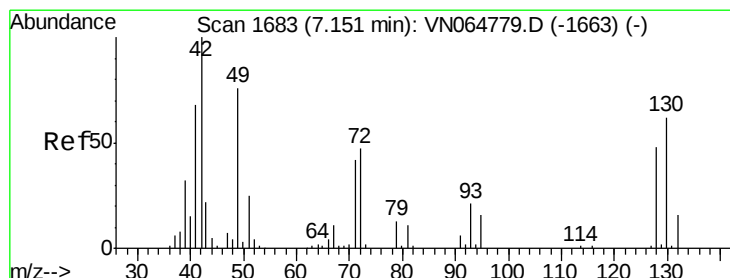
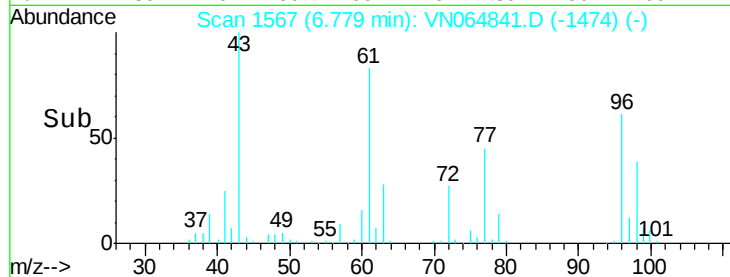
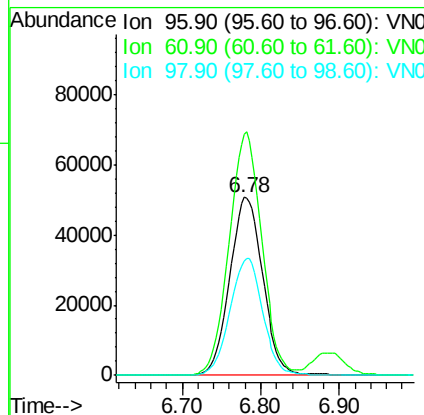
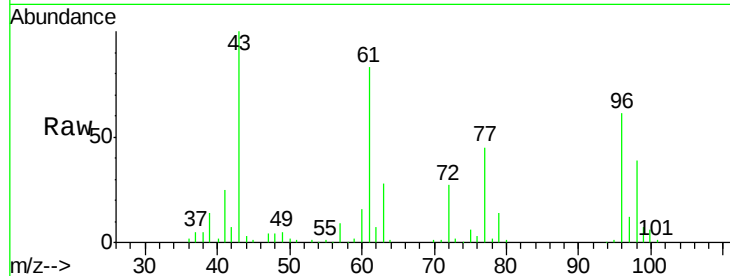
ClientSampleId :

56BR-20201118MS

Tot Ion:	96	Resp:	148257
Ion Ratio	Lower	Upper	
96	100		
61	134.4	0.0	285.8
98	65.1	0.0	130.6

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11/25/2020 9:51:40 AM



#28

Bromochloromethane

Concen: 48.320 ug/l

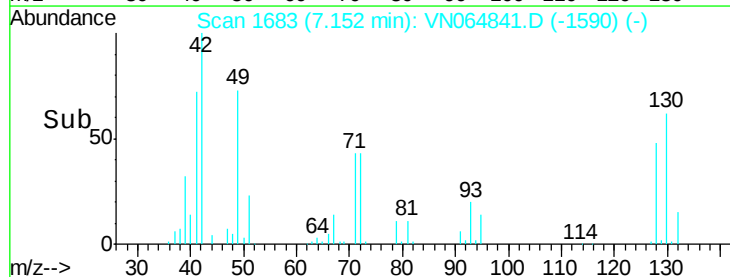
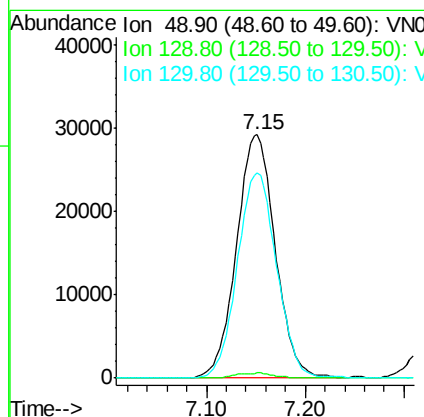
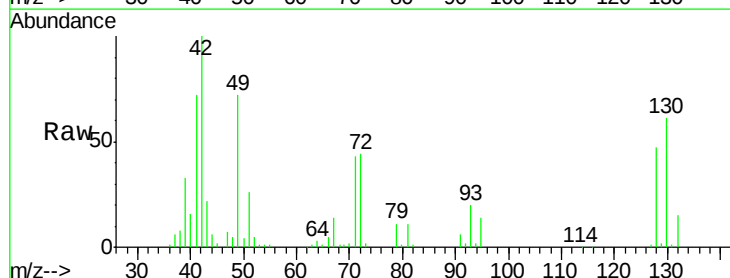
RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Tgt Ion:	49	Resp:	79532
Ion Ratio	Lower	Upper	
49	100		
129	1.0	0.0	3.8
130	85.5	66.2	99.2





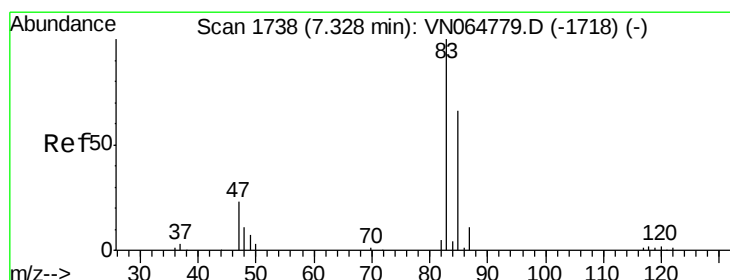
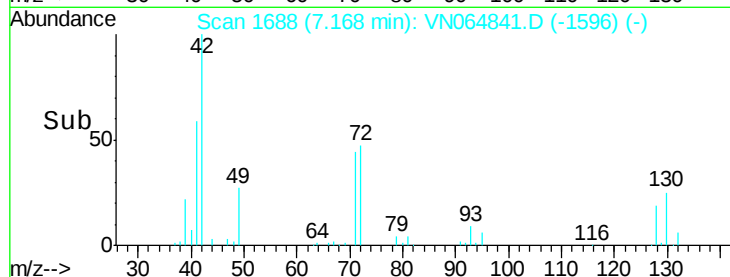
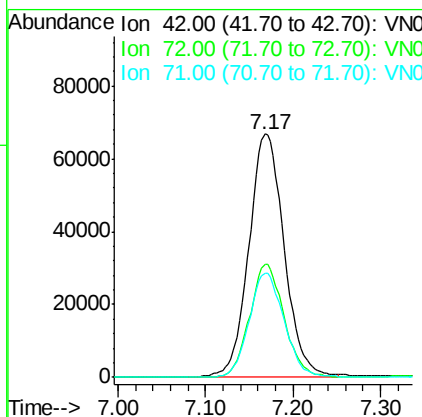
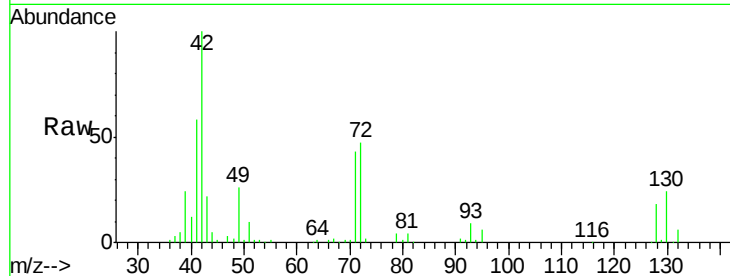
#29
Tetrahydrofuran
Concen: 233.822 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	36.6	54.8
71	42.5	33.6	50.4

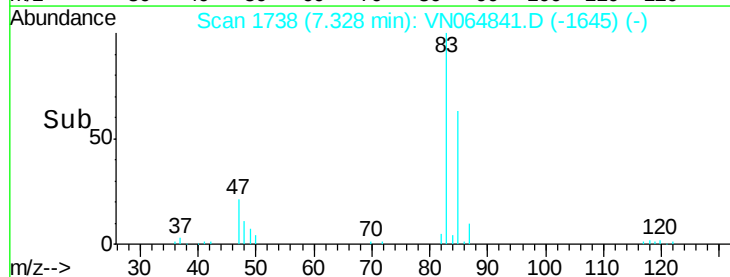
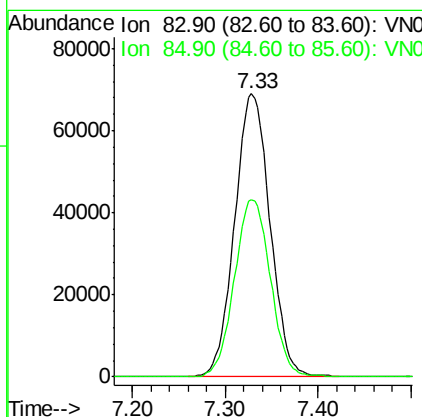
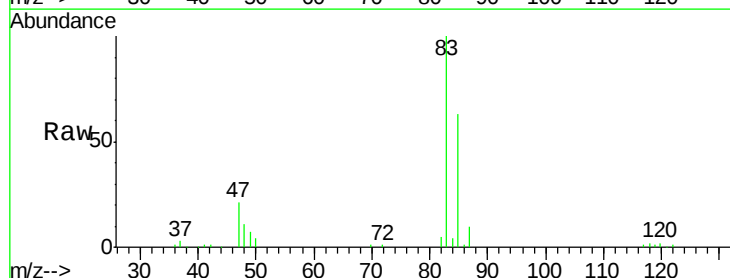
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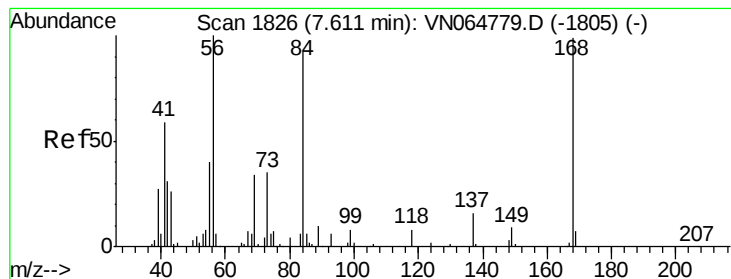
MMDadoda
11/25/2020 9:51:40 AM



#30
Chloroform
Concen: 49.278 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.6	78.8





#31

Cyclohexane

Concen: 46.540 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

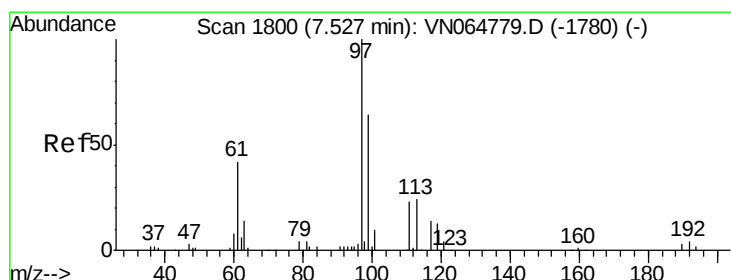
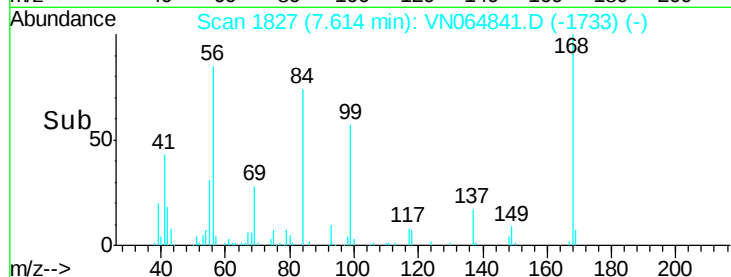
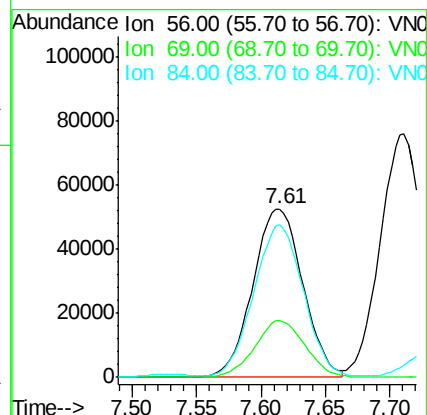
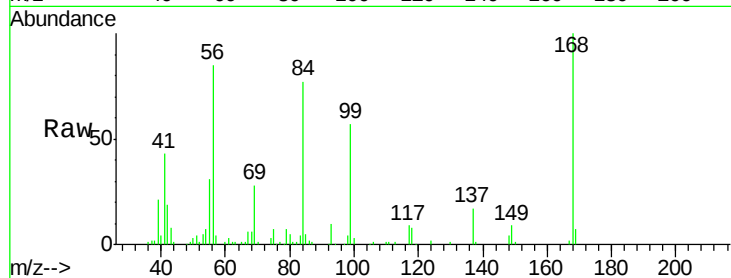
ClientSampleId :

56BR-20201118MS

Tot Ion:	56	Resp:	141817
Ion Ratio		Lower	Upper
56	100		
69	33.4	27.5	41.3
84	89.8	73.9	110.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.790 ug/l

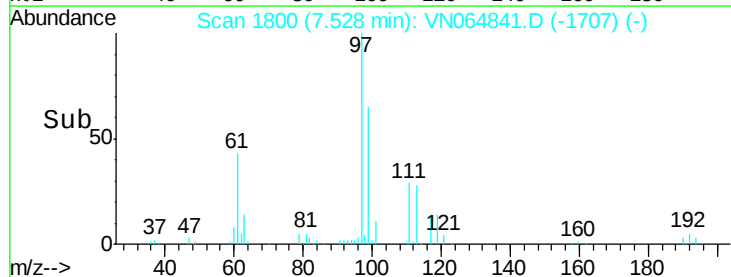
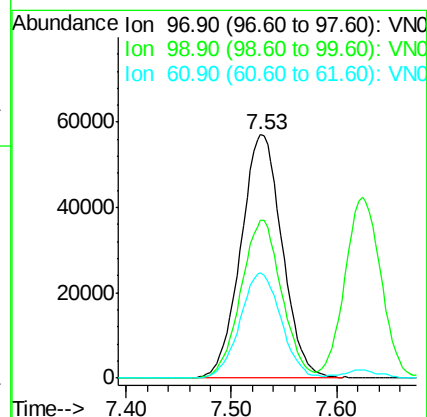
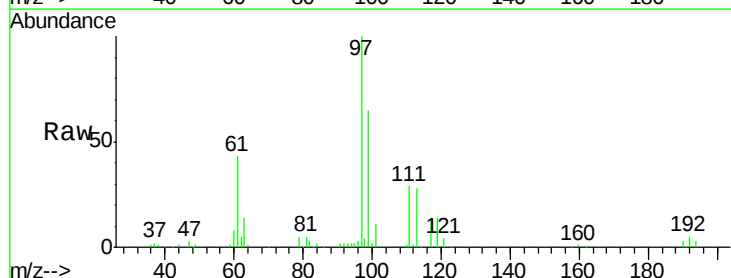
RT: 7.53 min Scan# 1800

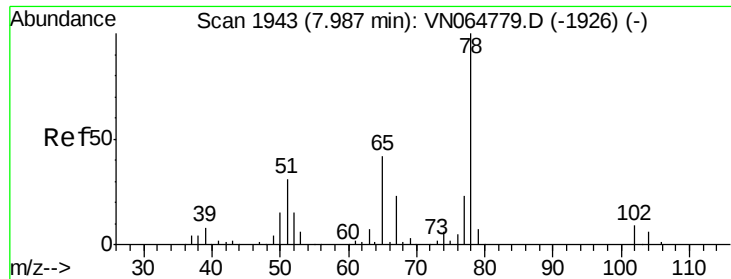
Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Tgt Ion:	97	Resp:	155478
Ion Ratio		Lower	Upper
97	100		
99	63.8	51.7	77.5
61	42.9	33.9	50.9





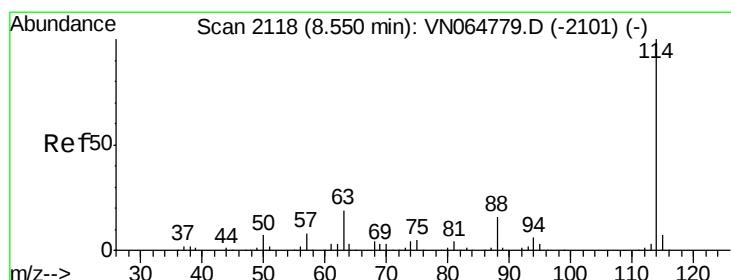
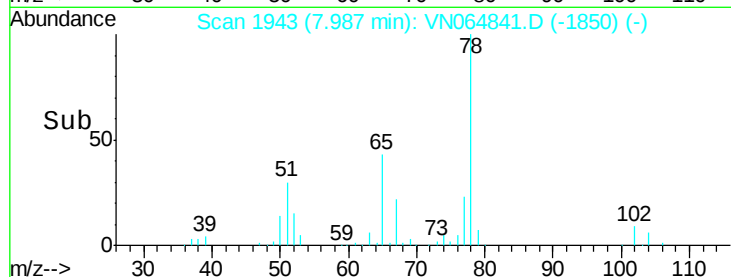
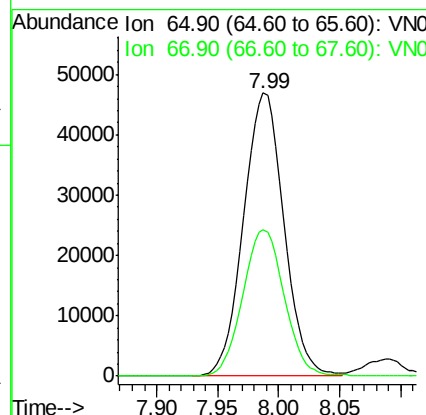
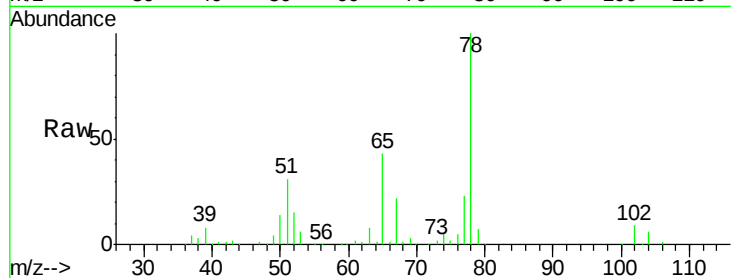
#33
 1,2-Dichloroethane-d4
 Concen: 49.198 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107563		
67	53.0	0.0	108.2	

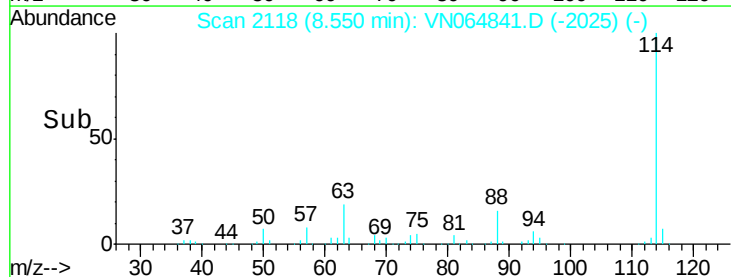
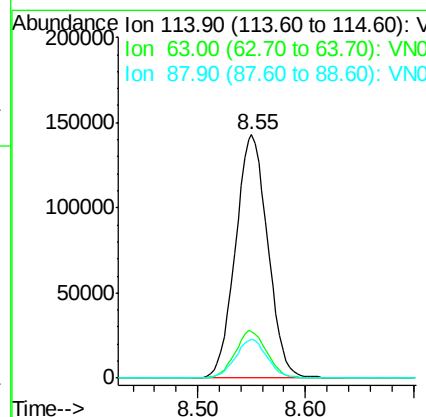
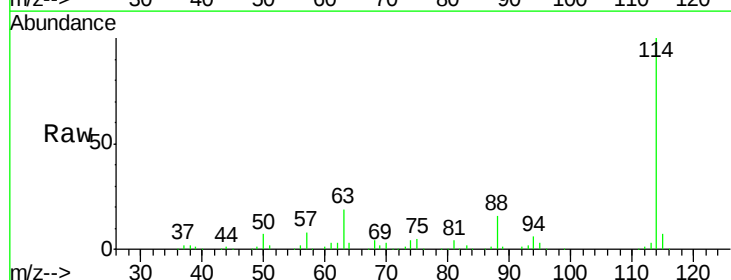
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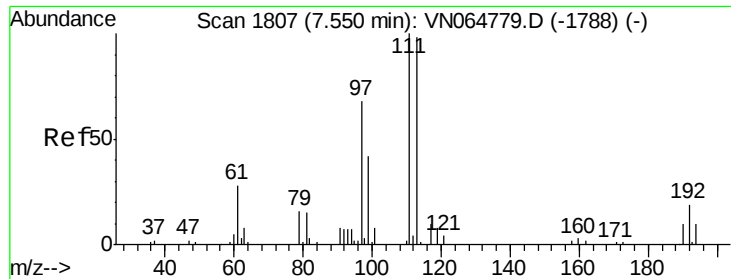
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	298160		
63	19.3	0.0	38.6	
88	15.8	0.0	32.6	





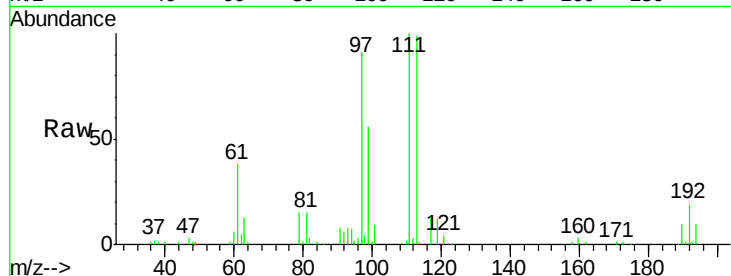
#35
Dibromofluoromethane
Concen: 52.073 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	92903		
111	101.8	81.6	122.4	
192	19.4	16.2	24.2	

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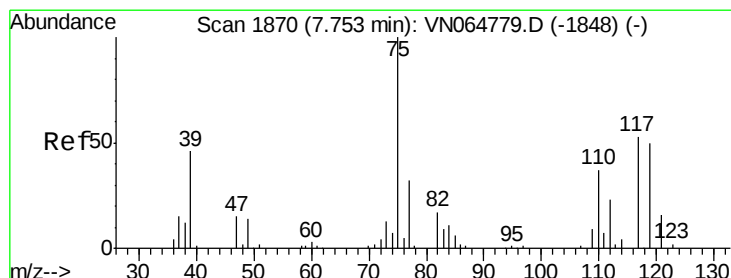
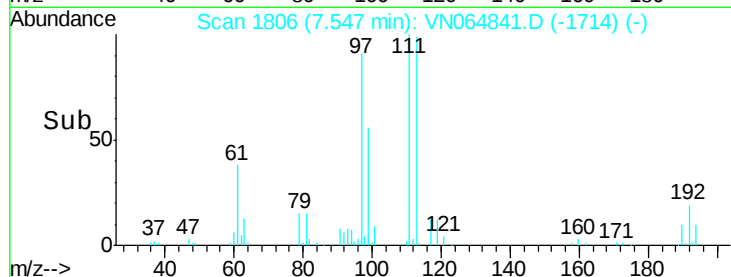
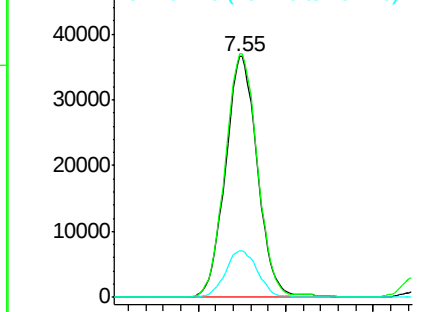


Abundance

Ion 112.80 (112.50 to 113.50): V

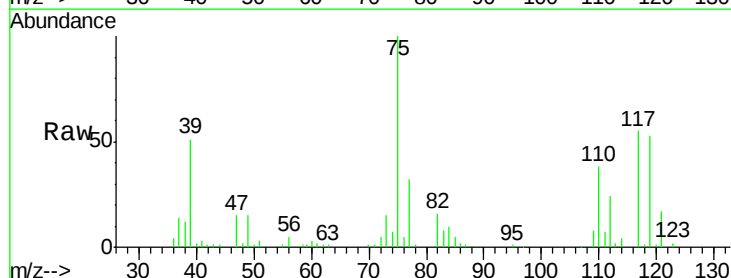
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 47.572 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131473		
110	36.3	17.8	53.3	
77	31.5	25.0	37.4	

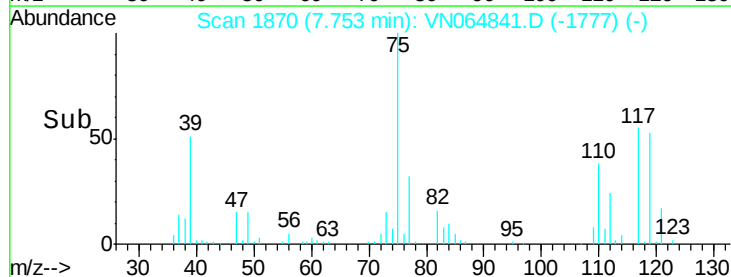
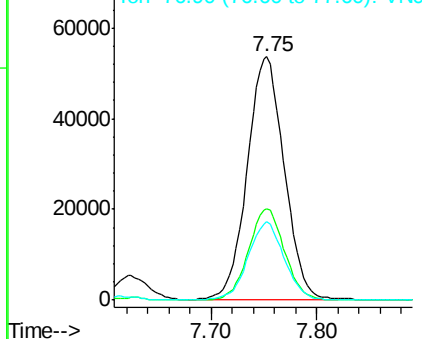


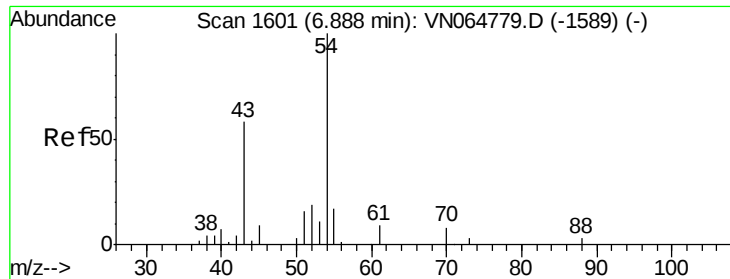
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





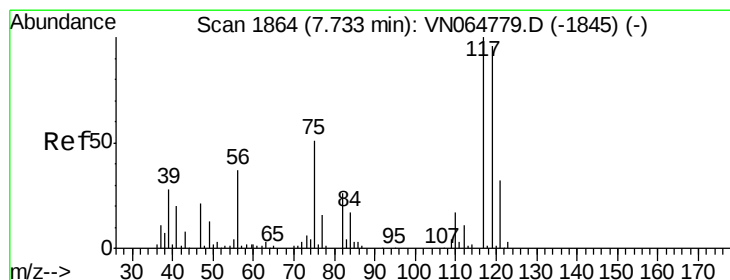
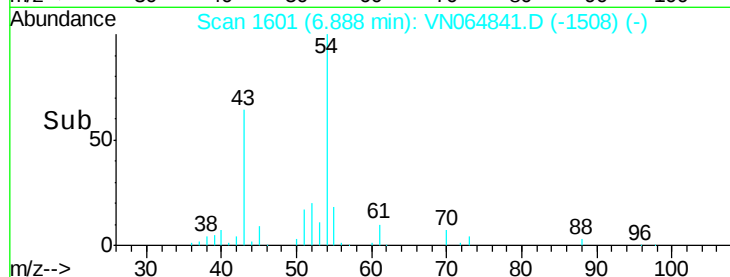
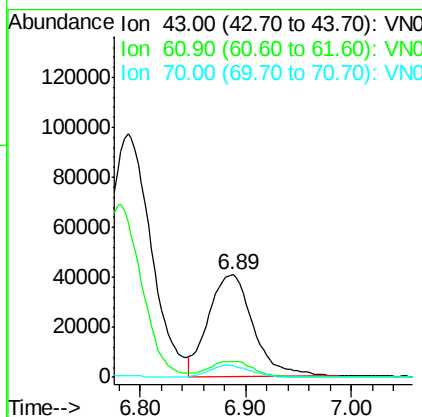
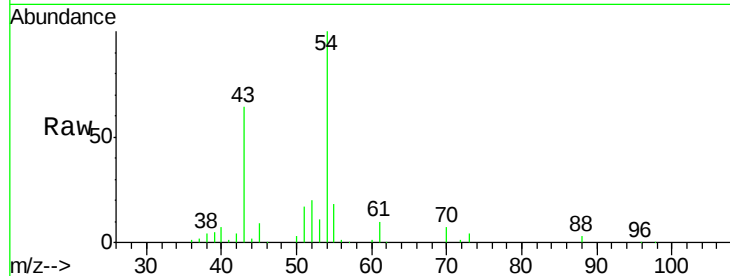
#37
Ethyl Acetate
Concen: 45.133 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.8	19.2
70	11.1	8.8	13.2

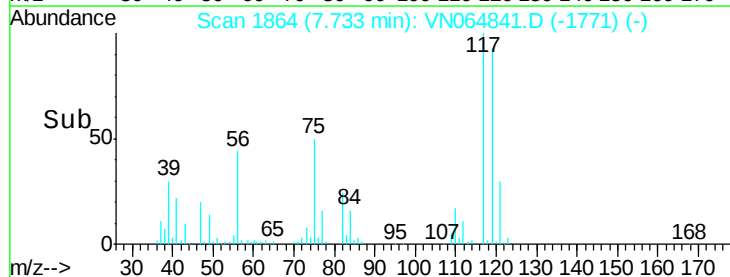
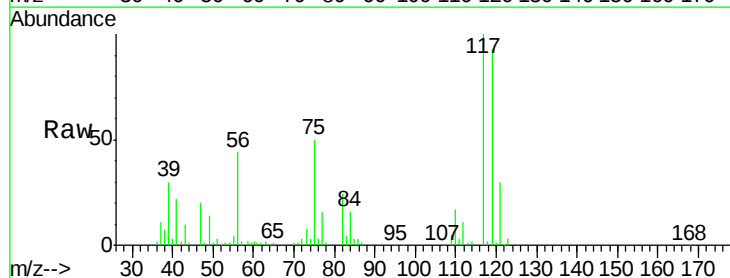
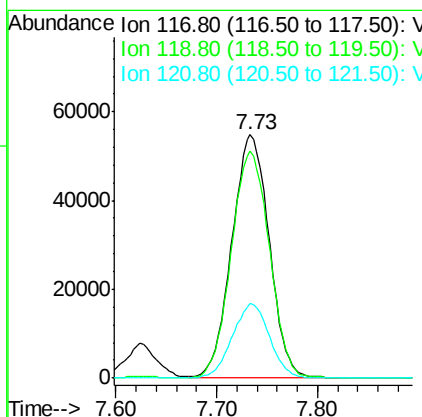
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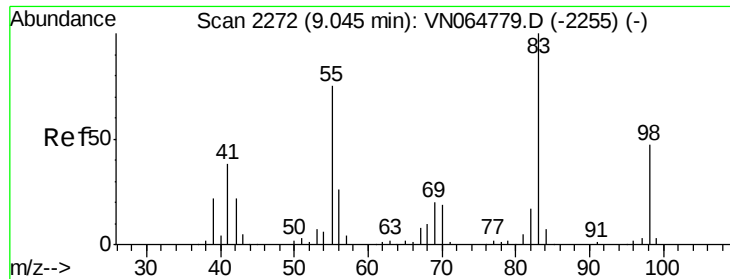
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#38
Carbon Tetrachloride
Concen: 49.076 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.7	115.1
121	30.5	25.4	38.2





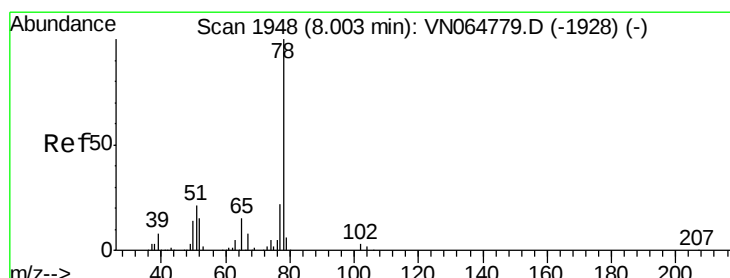
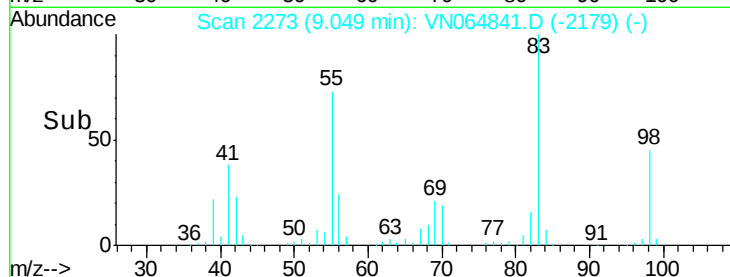
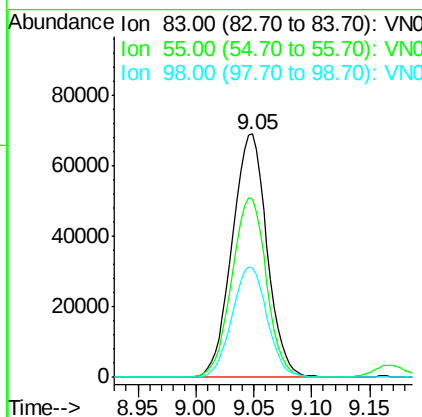
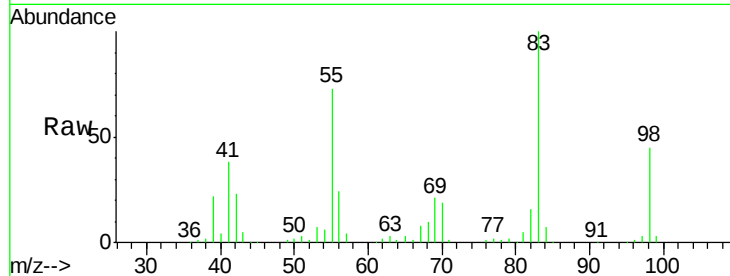
#39
Methvlcvclohexane
Concen: 48.576 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.1	60.2	90.2	
98	44.9	37.4	56.2	

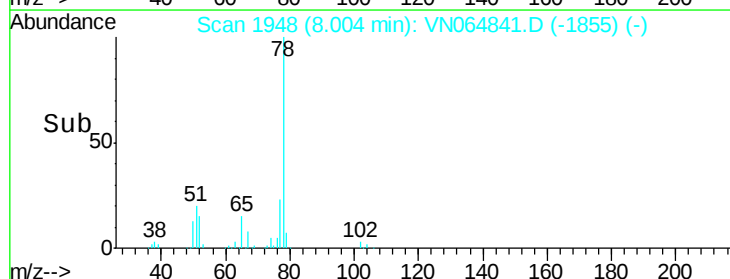
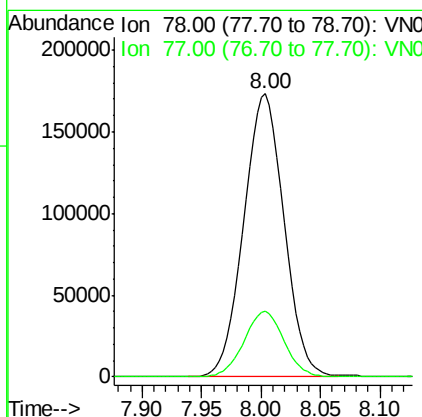
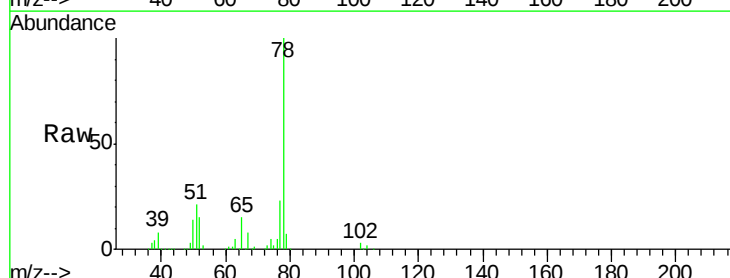
Manual Integrations
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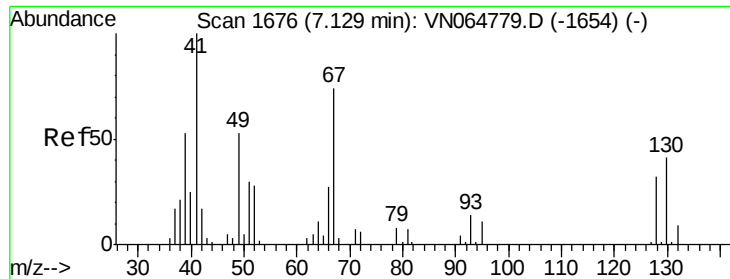
MMDadoda
11/25/2020 9:51:40 AM



#40
Benzene
Concen: 48.007 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	17.9	26.9	





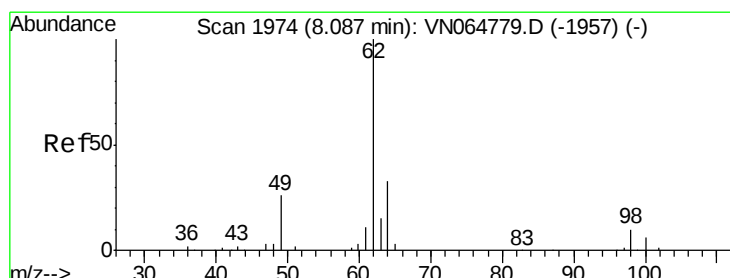
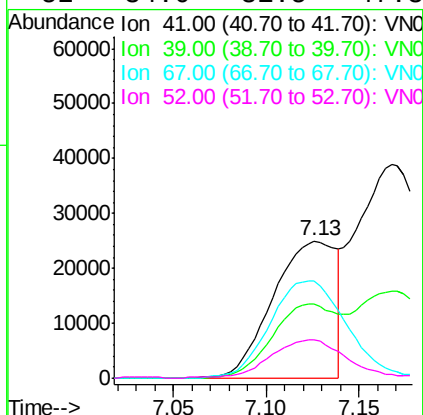
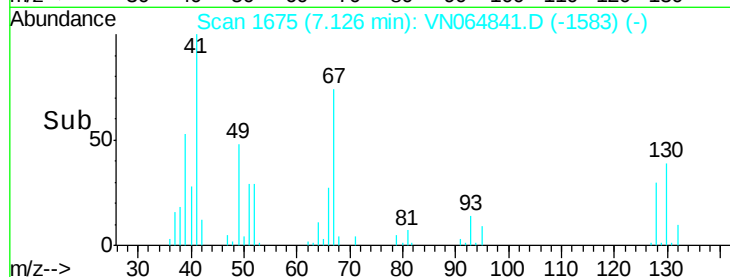
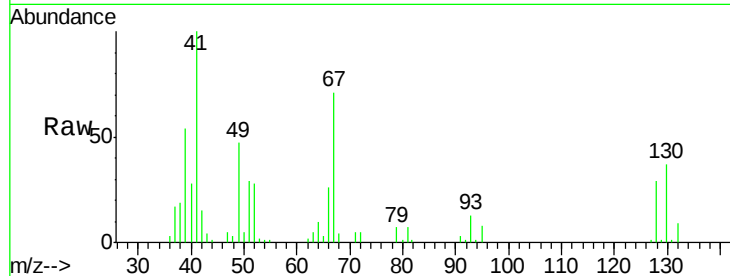
#41
Methacrylonitrile
Concen: 48.302 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		59332		
39	56.8	51.0	76.6		
67	86.1	79.8	119.8		
52	34.0	31.5	47.3		

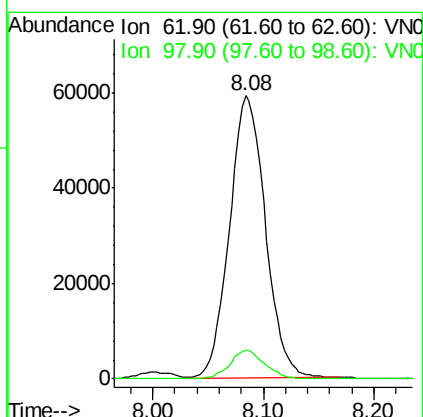
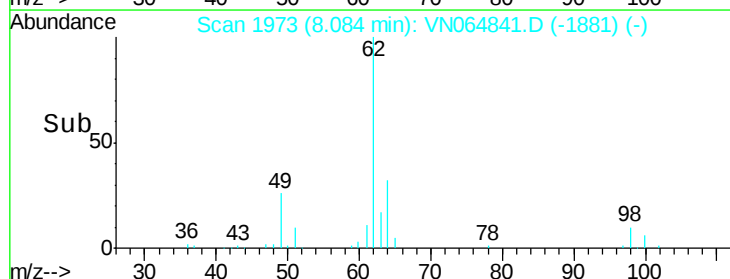
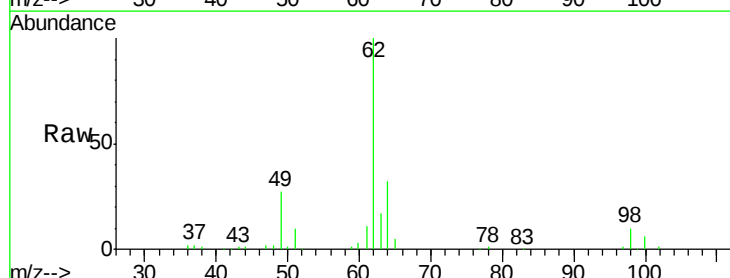
Manual Integrations
APPROVED

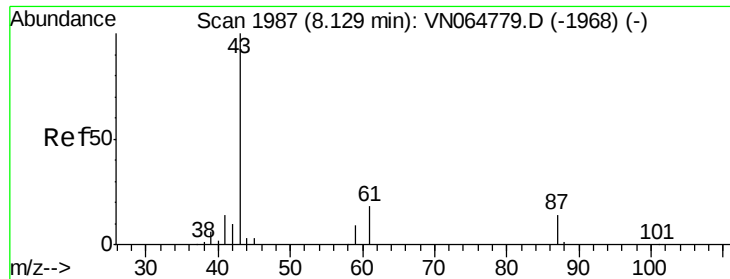
MMDadoda
11/25/2020 9:51:40 AM



#42
1,2-Dichloroethane
Concen: 46.776 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		133634		
98	9.9	0.0	19.6		





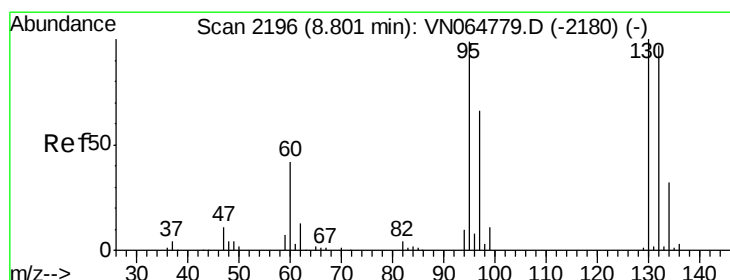
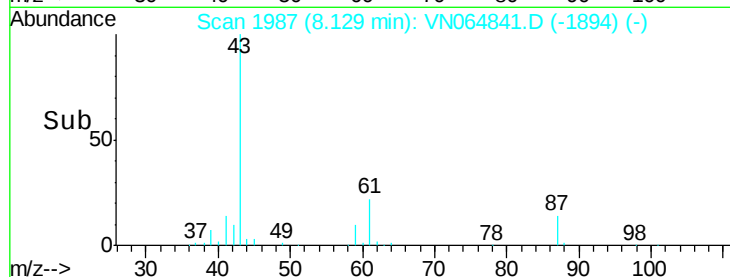
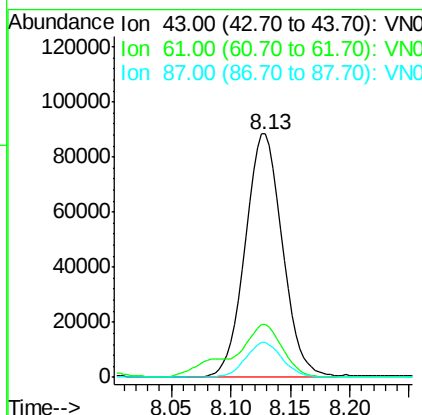
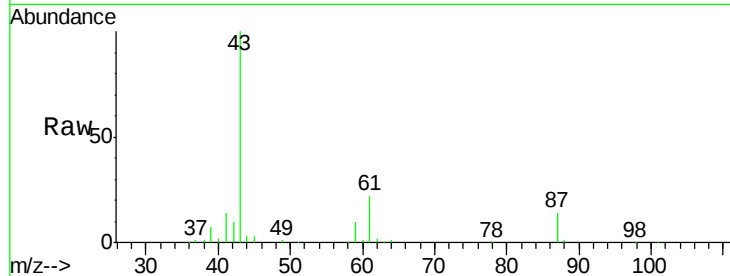
#43
Isopropyl Acetate
Concen: 44.925 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.2	25.8
87	14.0	11.4	17.0

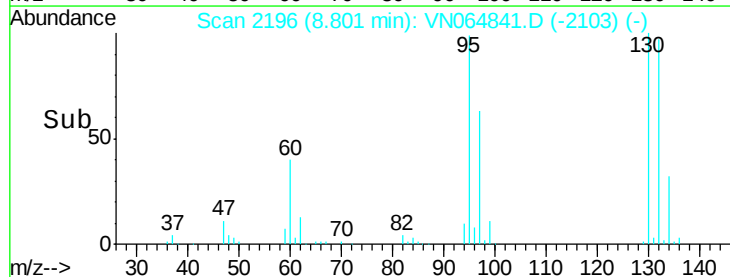
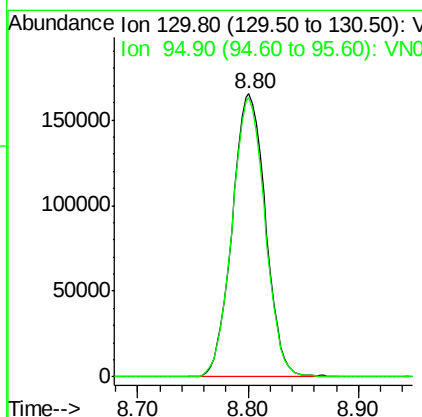
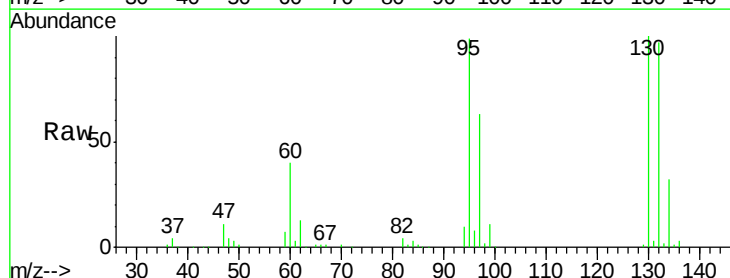
Manual Integrations
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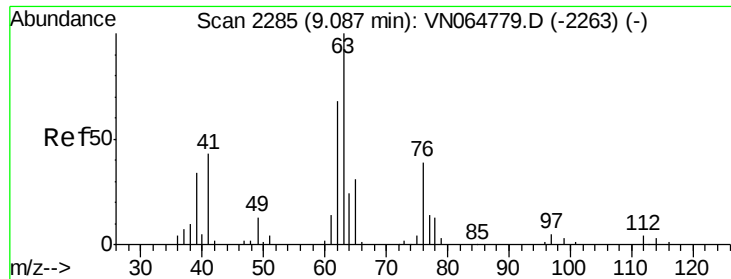
MMDadoda
11/25/2020 9:51:40 AM



#44
Trichloroethene
Concen: 138.242 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	197.8





#45

1,2-Dichloropropane

Concen: 50.144 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion: 63 Resp: 109973

Ion Ratio Lower Upper

63 100

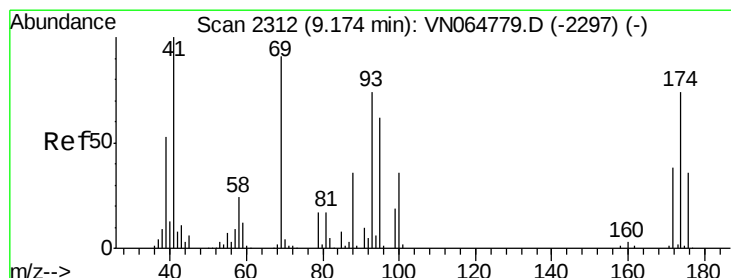
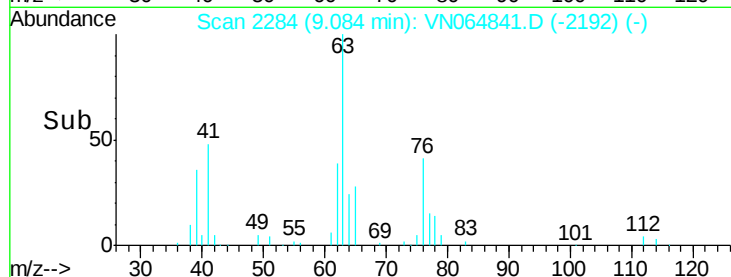
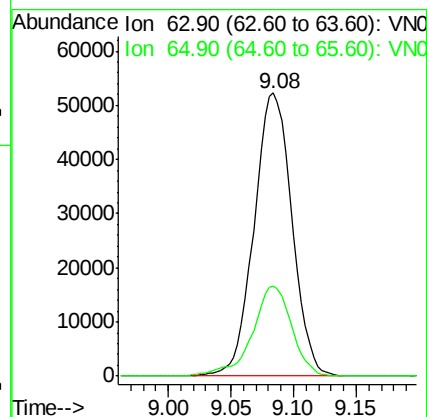
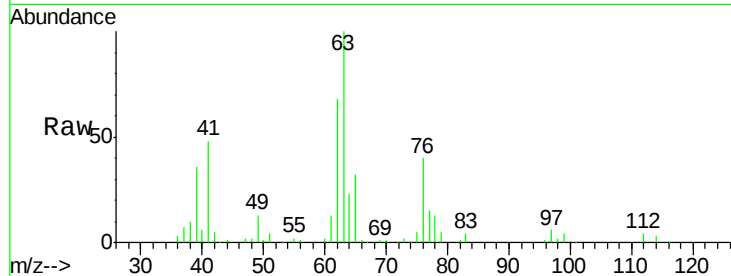
65 31.8 25.0 37.4

Manual Integrations

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11/25/2020 9:51:40 AM



#46

Dibromomethane

Concen: 49.453 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

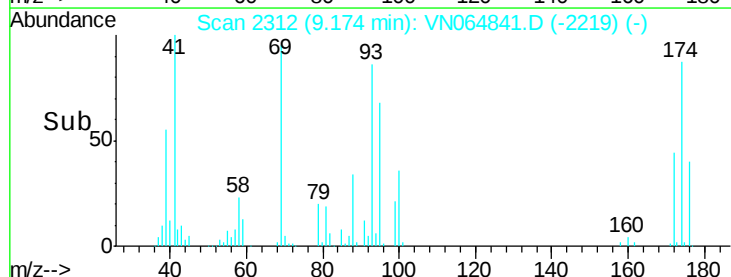
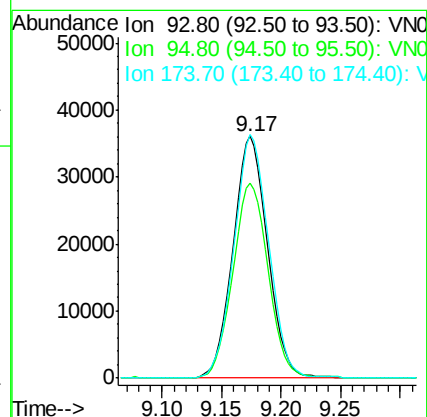
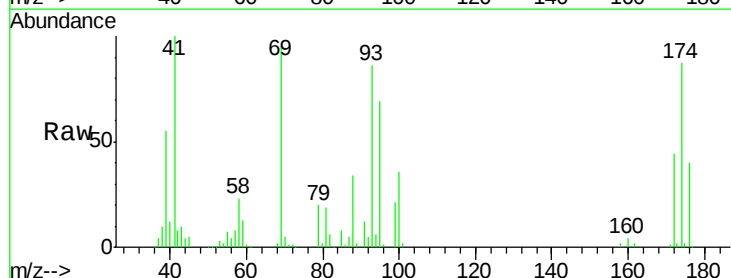
Tgt Ion: 93 Resp: 72457

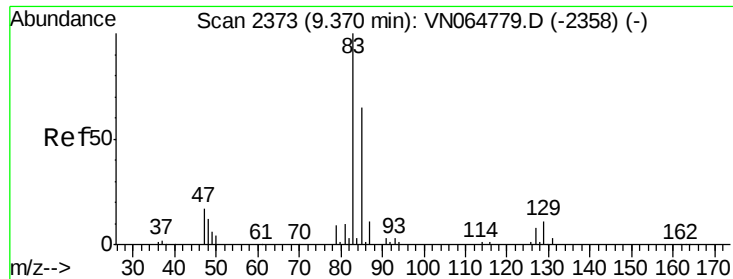
Ion Ratio Lower Upper

93 100

95 82.7 68.8 103.2

174 101.5 83.1 124.7





#47

Bromodichloromethane

Concen: 48.557 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

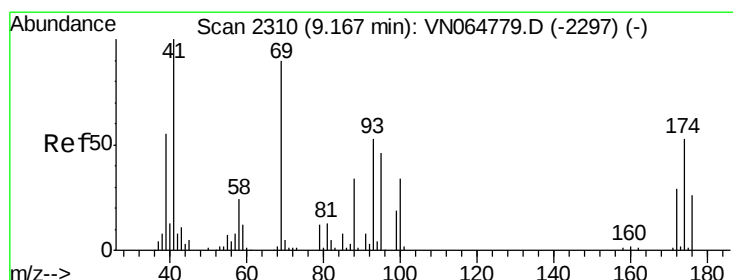
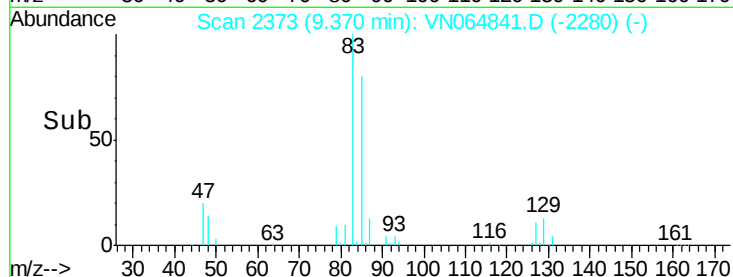
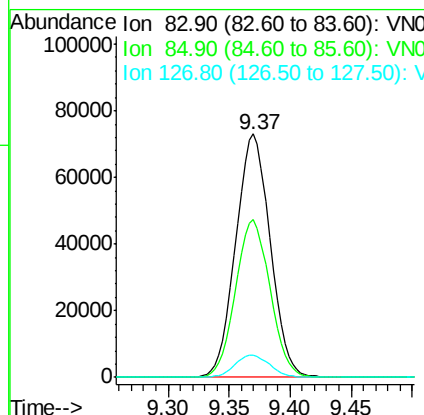
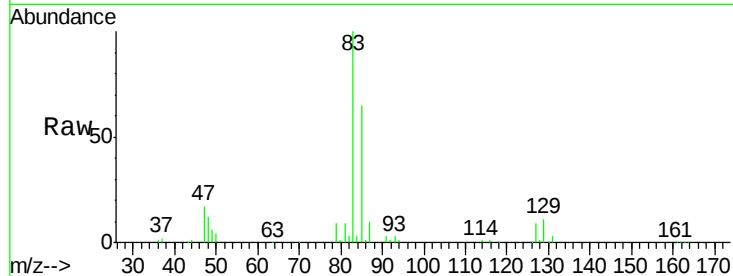
ClientSampleId :

56BR-20201118MS

Tot Ion:	83	Resp:	143150
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8
127	9.2	6.8	10.2

Manual Integrations
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11/25/2020 9:51:40 AM



#48

Methyl methacrylate

Concen: 46.406 ug/l

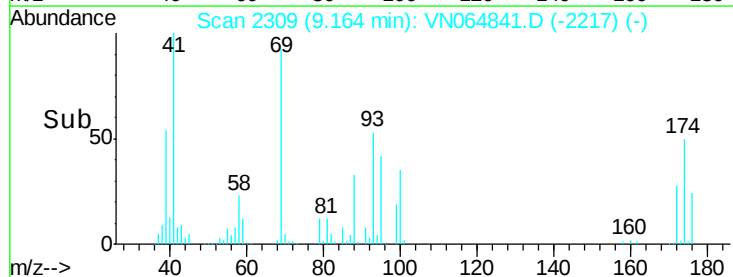
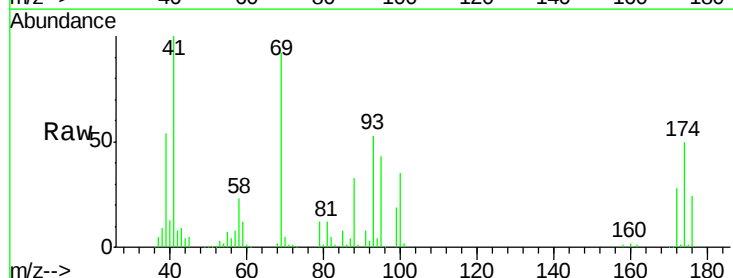
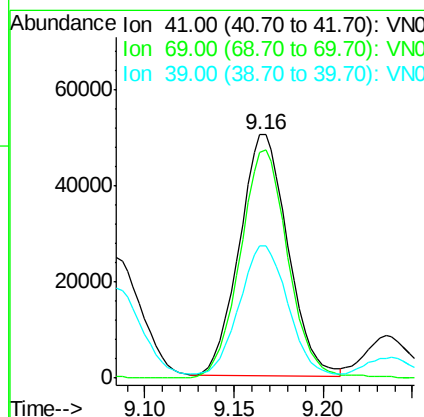
RT: 9.16 min Scan# 2309

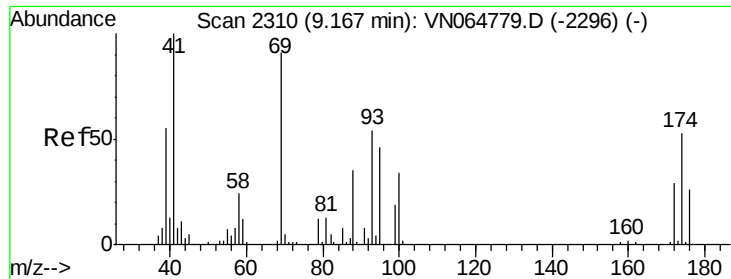
Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Tgt Ion:	41	Resp:	94989
Ion	Ratio	Lower	Upper
41	100		
69	93.9	71.8	107.8
39	56.6	44.1	66.1





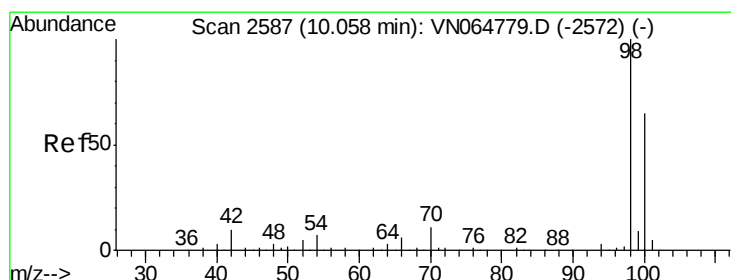
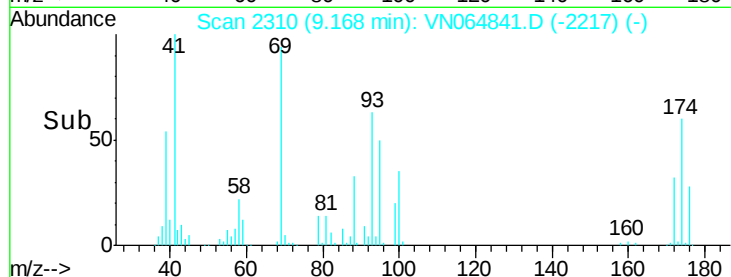
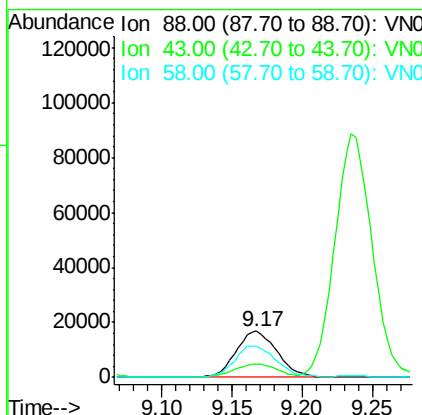
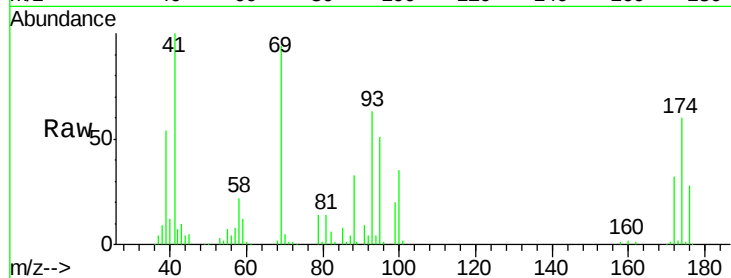
#49
1,4-Dioxane
Concen: 895.626 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	24.2	36.4
58	68.3	52.5	78.7

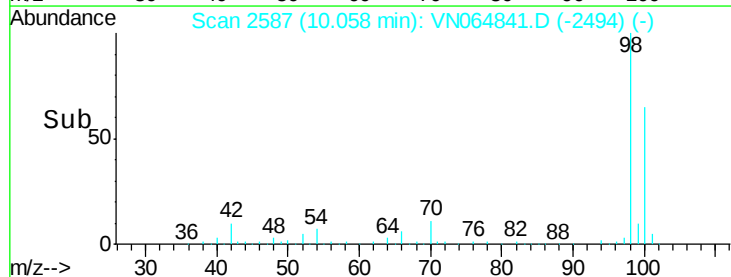
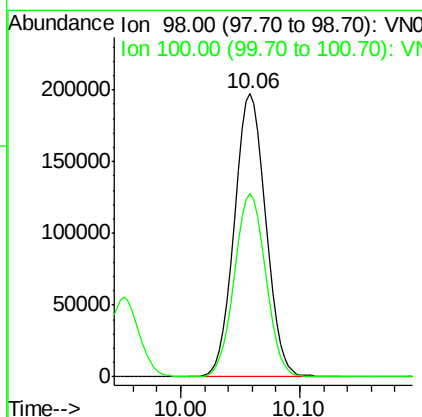
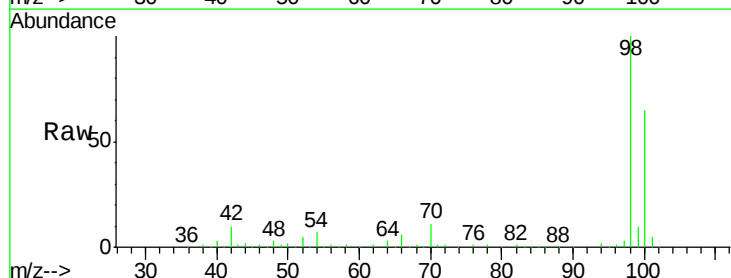
Manual Integrations
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#50
Toluene-d8
Concen: 49.581 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 235.438 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion: 43 Resp: 605476

Ion Ratio Lower Upper

43 100

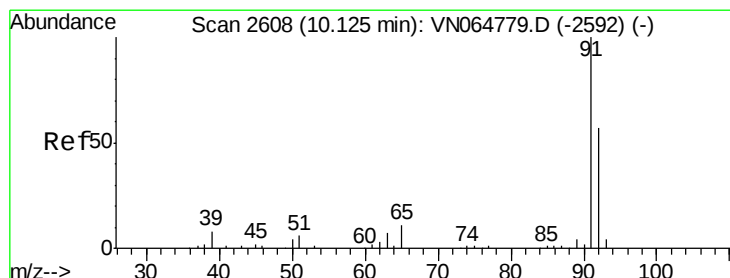
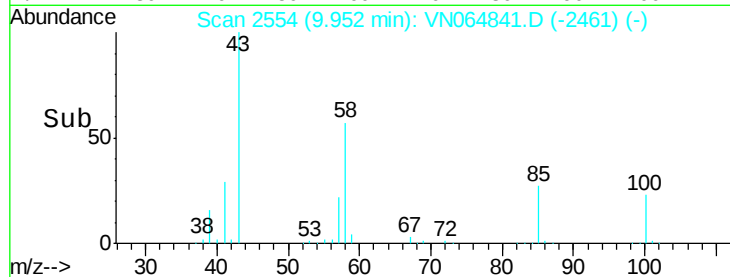
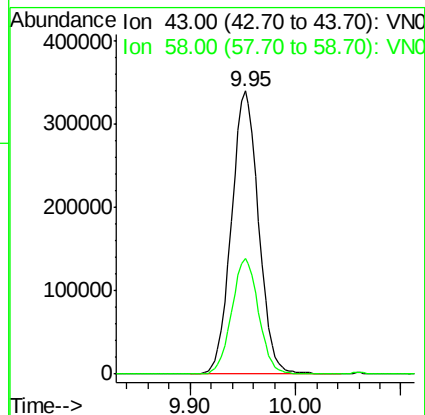
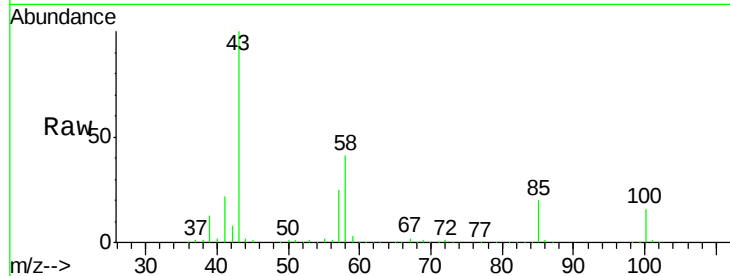
58 40.4 32.4 48.6

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 49.881 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064841.D

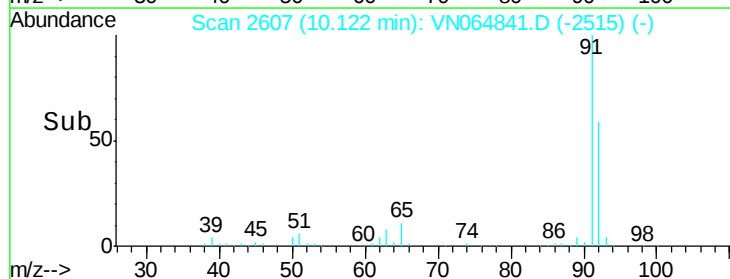
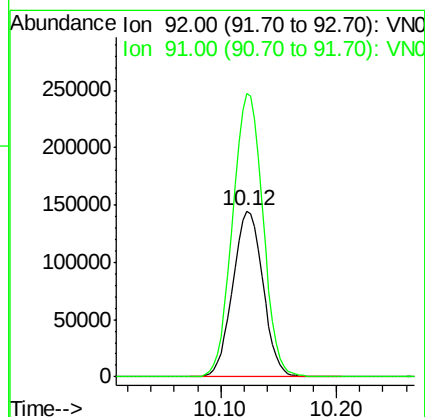
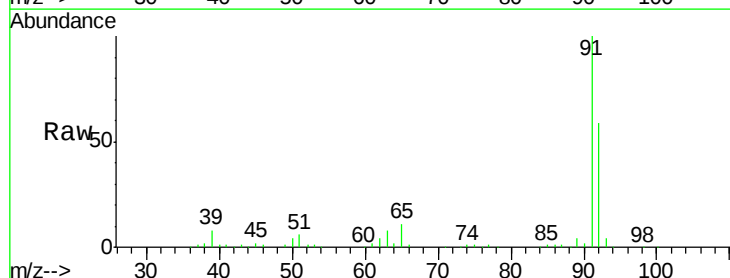
Acq: 25 Nov 2020 4:18

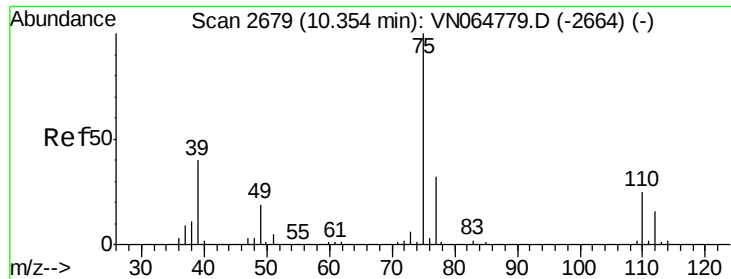
Tgt Ion: 92 Resp: 260152

Ion Ratio Lower Upper

92 100

91 172.0 139.1 208.7





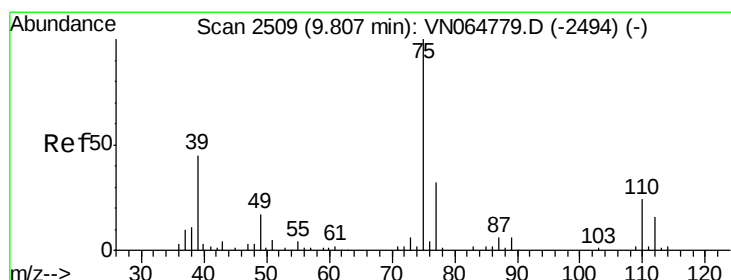
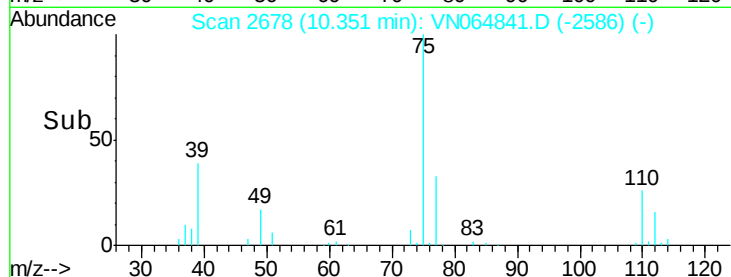
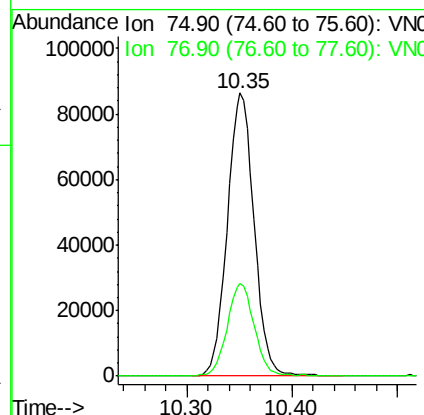
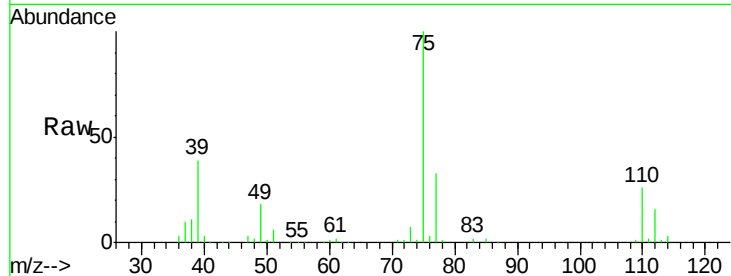
#53
 t-1,3-Dichloropropene
 Concen: 46.080 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MS

Tot Ion: 75 Resp: 151307
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.8 38.6

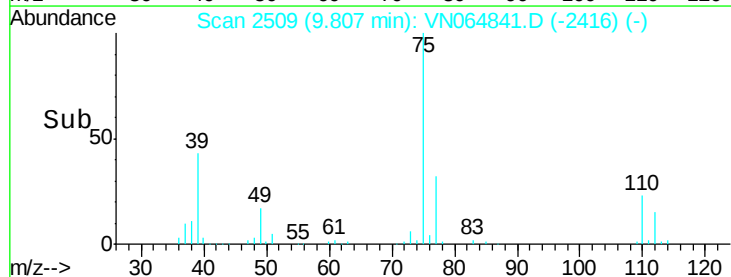
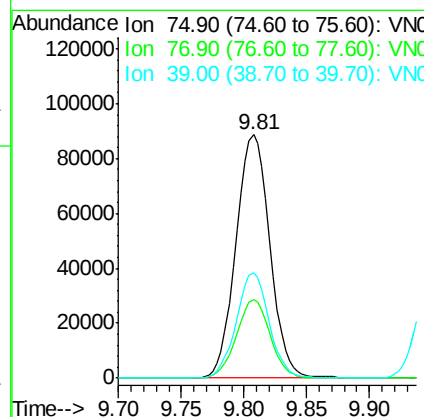
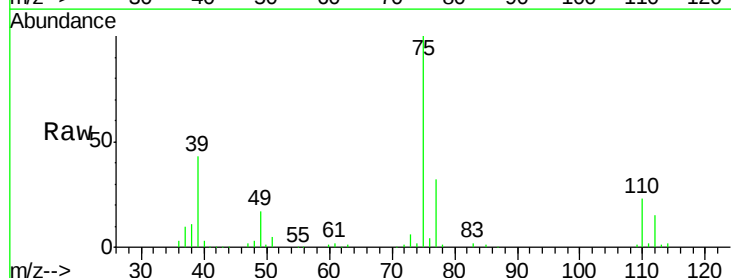
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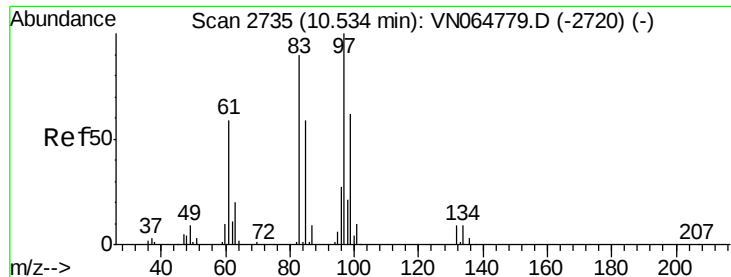
MMDadoda
 11/25/2020 9:51:40 AM



#54
 cis-1,3-Dichloropropene
 Concen: 47.433 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Tgt Ion: 75 Resp: 166944
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.5 38.3
 39 43.1 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 48.505 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

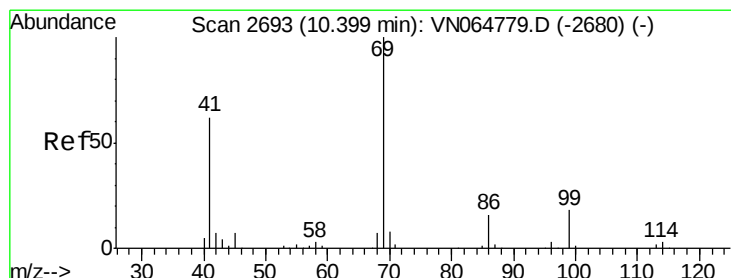
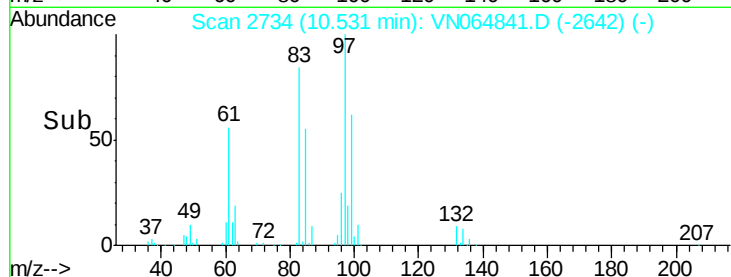
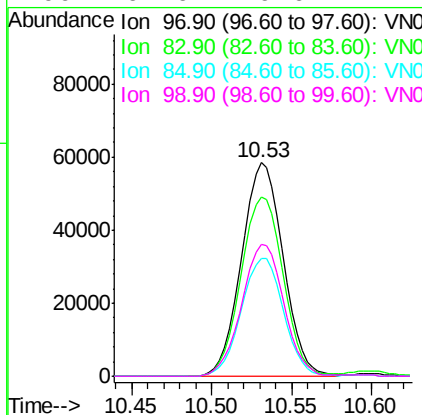
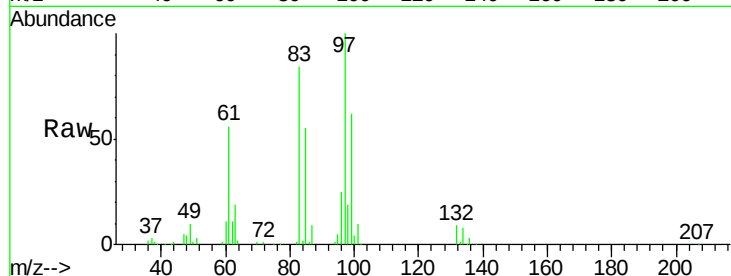
ClientSampleId :

56BR-20201118MS

Tot Ion:	97	Resp:	104025
Ion	Ratio	Lower	Upper
97	100		
83	83.8	72.1	108.1
85	55.4	46.8	70.2
99	61.6	49.6	74.4

Manual Integrations
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11/25/2020 9:51:40 AM



#56

Ethyl methacrylate

Concen: 48.884 ug/l

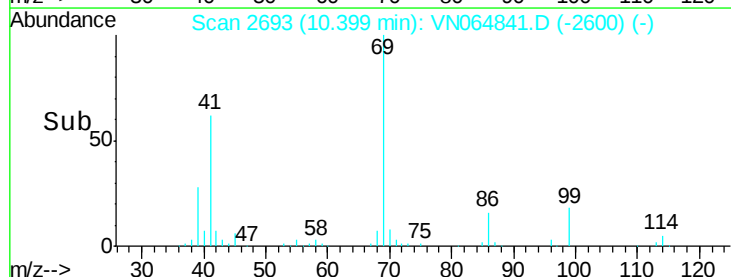
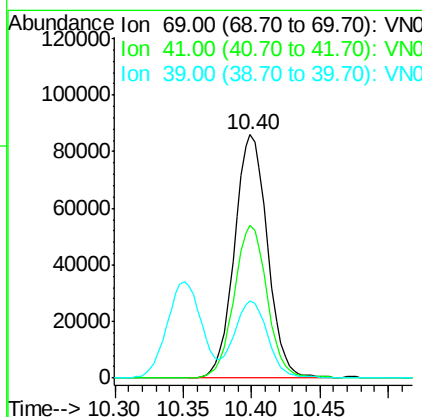
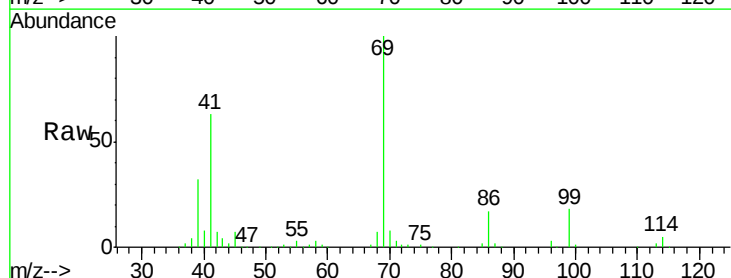
RT: 10.40 min Scan# 2693

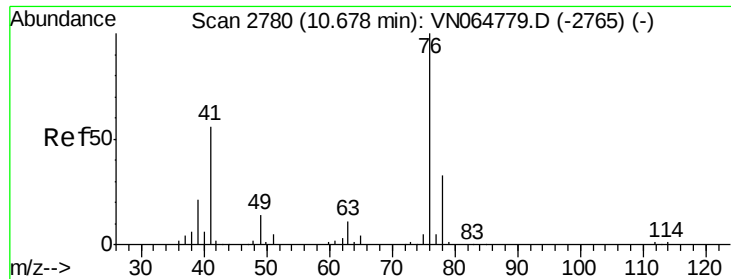
Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Tgt Ion:	69	Resp:	144674
Ion	Ratio	Lower	Upper
69	100		
41	62.2	49.4	74.0
39	31.5	25.9	38.9





#57

1,3-Dichloropropane

Concen: 48.382 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion: 76 Resp: 171162

Ion Ratio Lower Upper

76 100

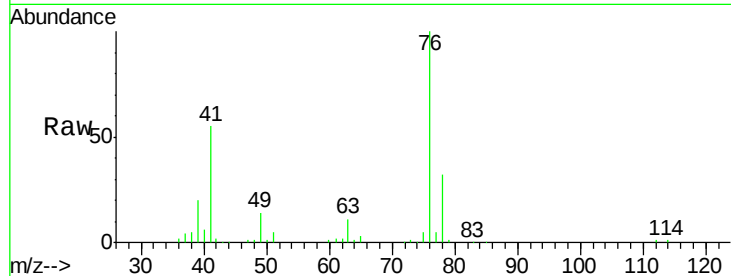
78 32.8 26.1 39.1

Manual Integrations

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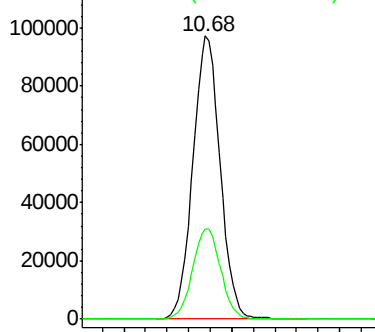
MMDadoda

11/25/2020 9:51:40 AM

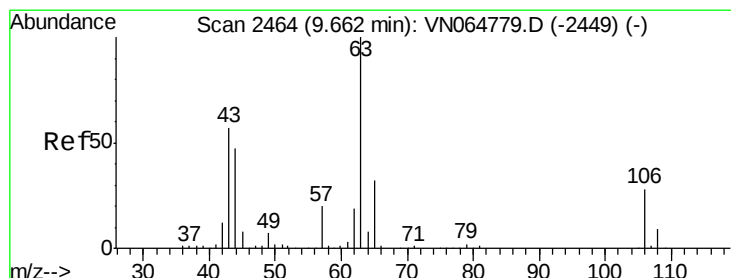
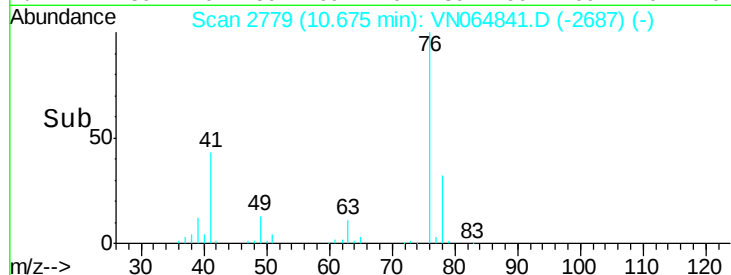


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 248.178 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064841.D

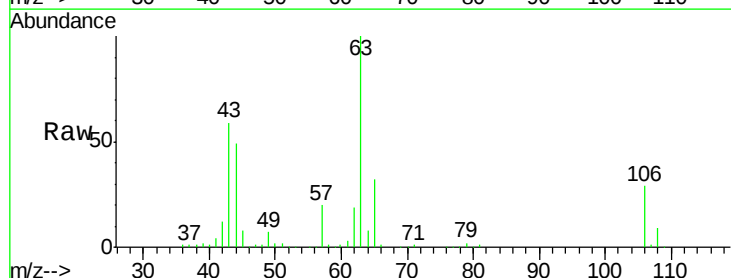
Acq: 25 Nov 2020 4:18

Tgt Ion: 63 Resp: 404019

Ion Ratio Lower Upper

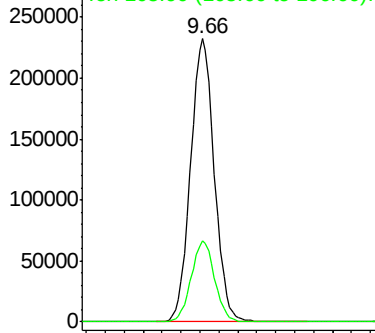
63 100

106 28.2 22.7 34.1

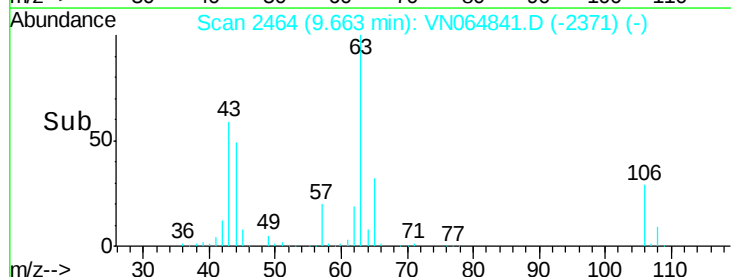


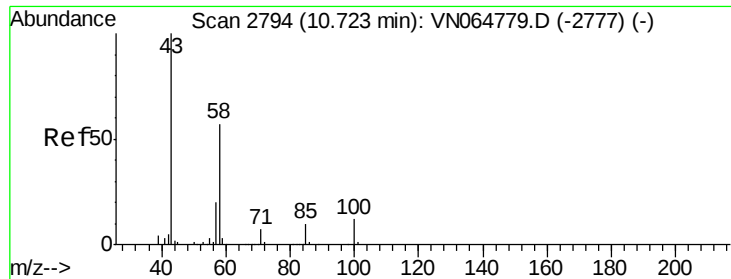
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->





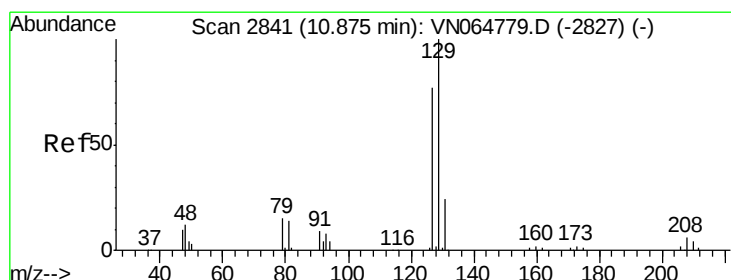
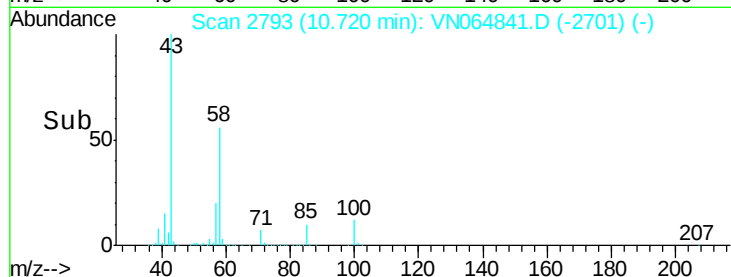
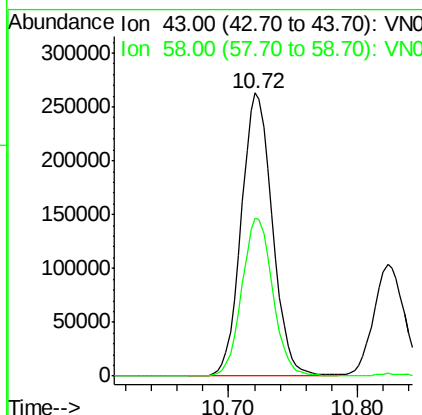
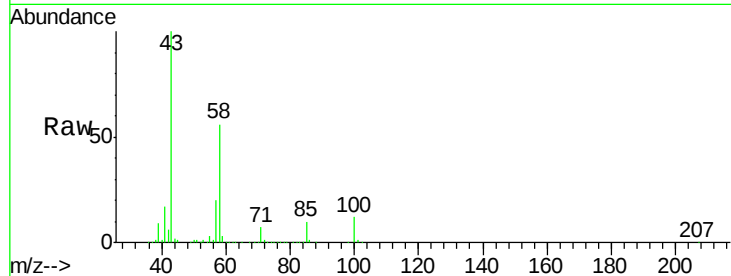
#59
2-Hexanone
Concen: 238.482 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion: 43 Resp: 441386
Ion Ratio Lower Upper
43 100
58 55.5 28.3 84.9

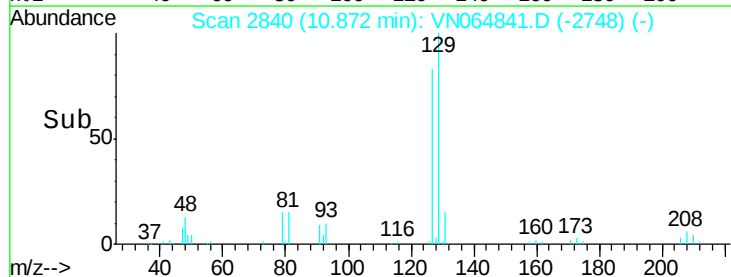
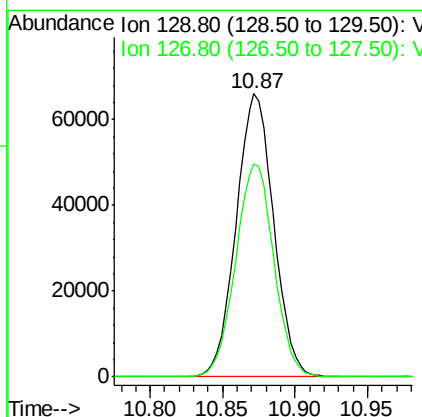
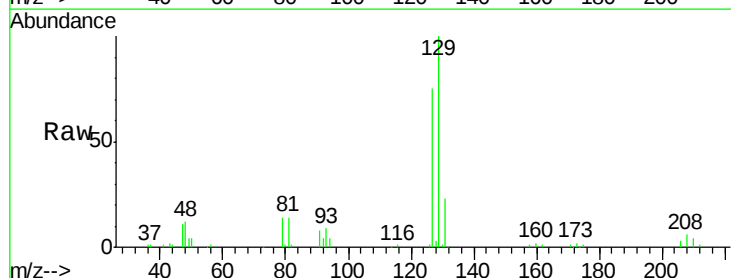
Manual Integrations
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11/25/2020 9:51:40 AM



#60
Dibromochloromethane
Concen: 49.785 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion: 129 Resp: 118685
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 49.300 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion: 107 Resp: 107420

Ion Ratio Lower Upper

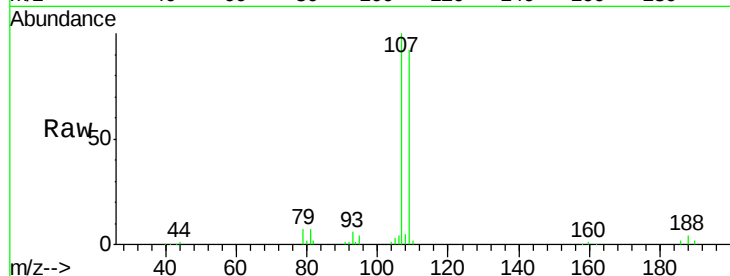
107 100

109 93.8 76.0 114.0

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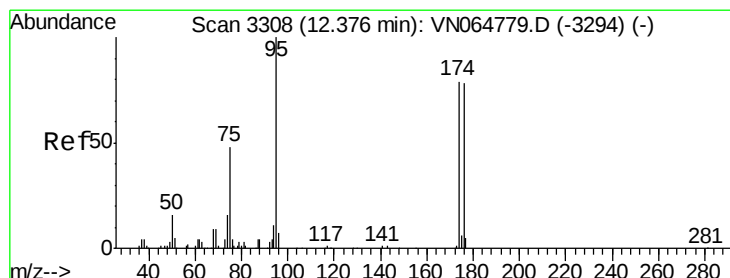
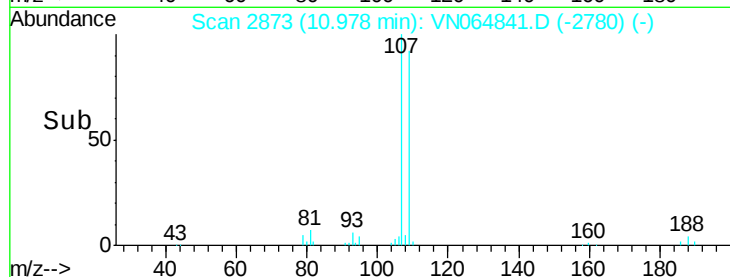
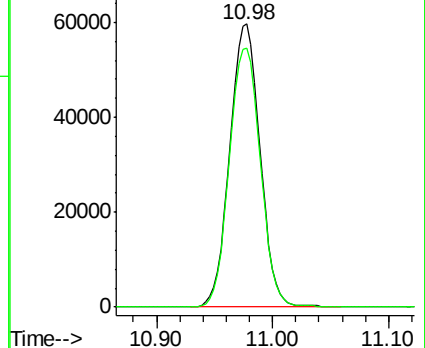
MMDadoda

11/25/2020 9:51:40 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.030 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

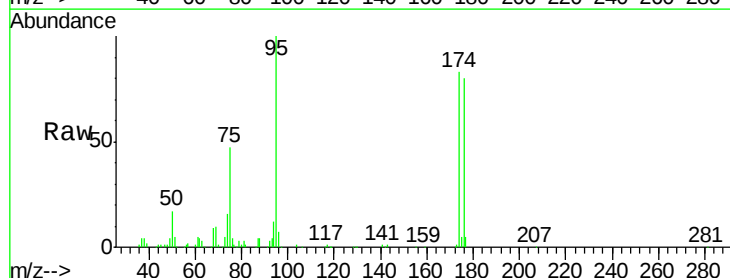
Tgt Ion: 95 Resp: 127912

Ion Ratio Lower Upper

95 100

174 81.5 0.0 160.4

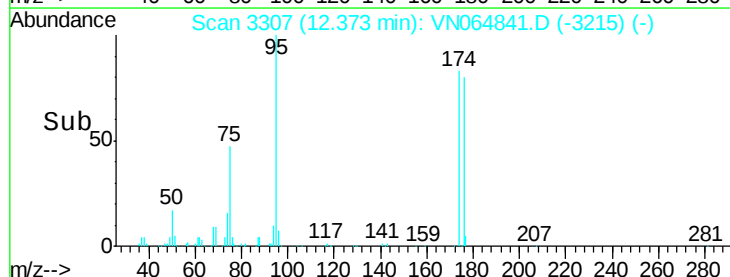
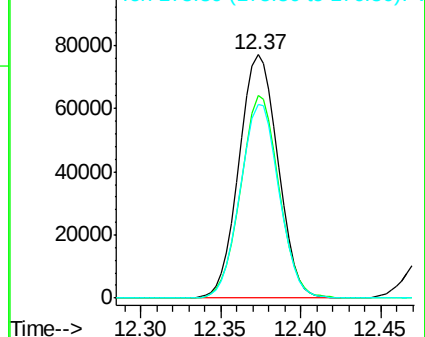
176 79.6 0.0 158.4

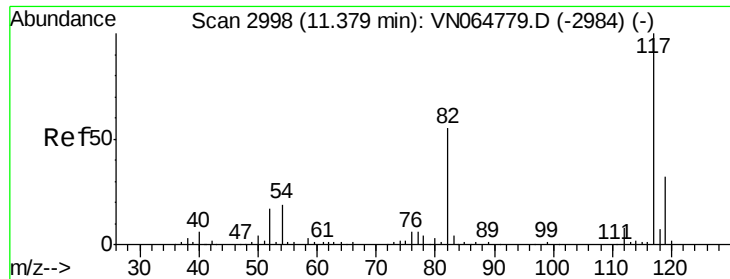


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





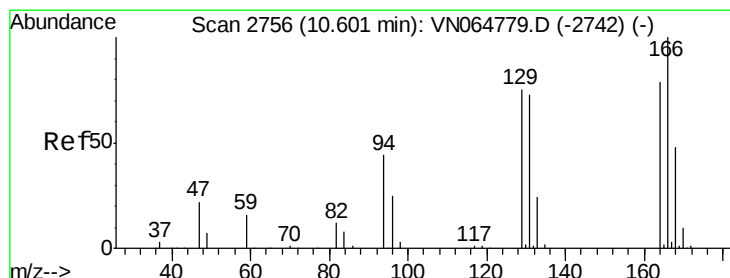
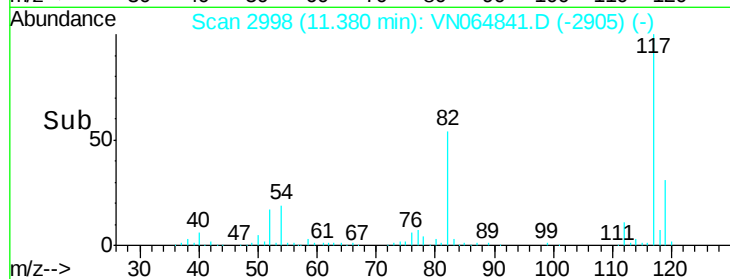
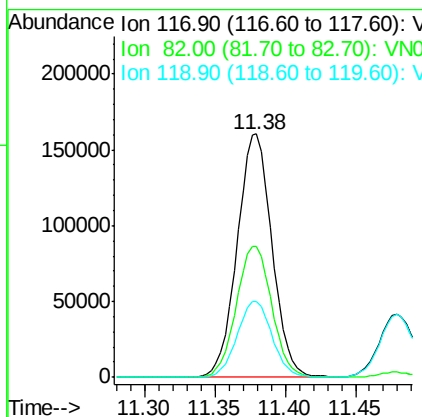
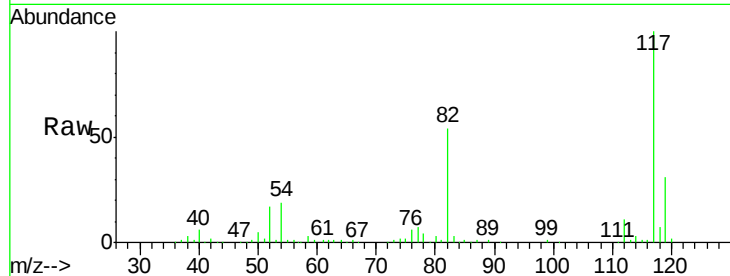
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.2	66.2
119	31.0	25.8	38.6

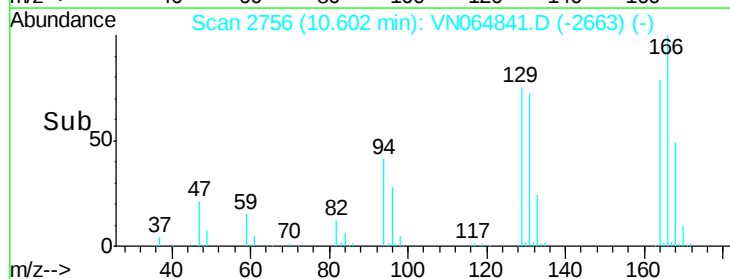
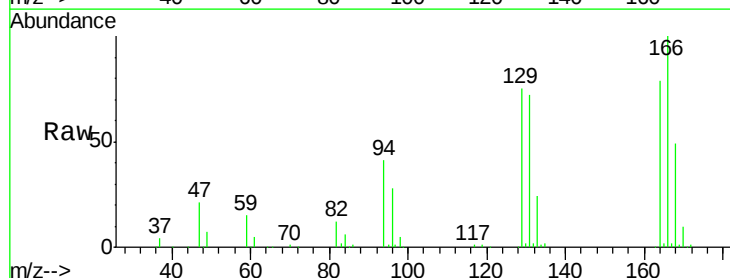
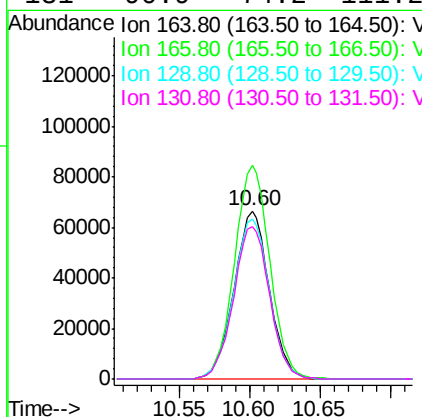
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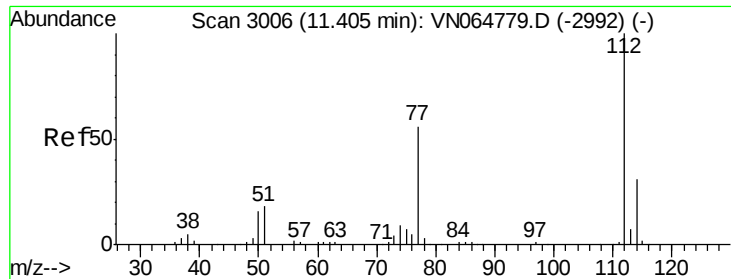
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#64
Tetrachloroethene
Concen: 42.907 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.4	152.0
129	95.0	76.1	114.1
131	90.9	74.2	111.2





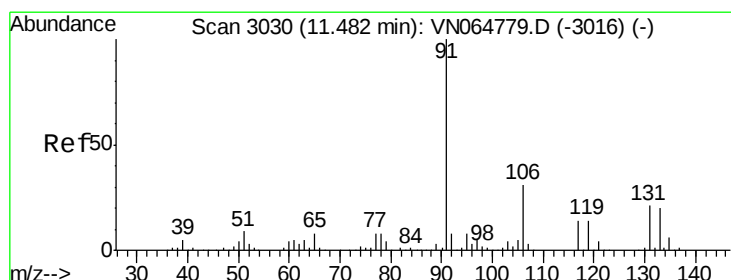
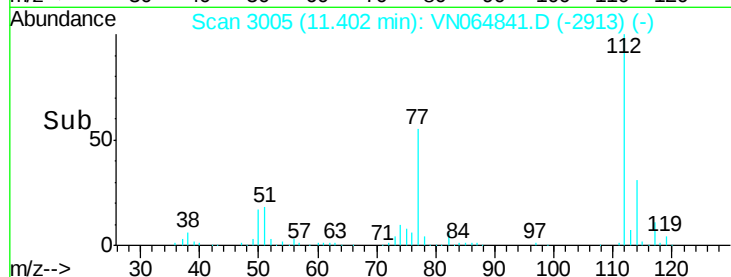
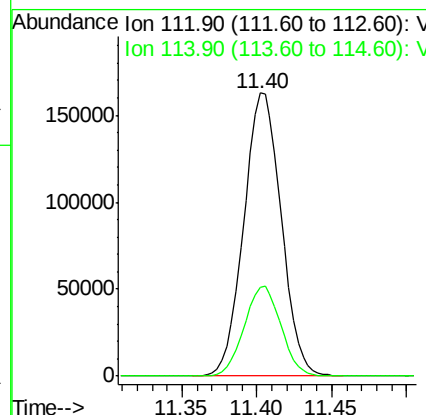
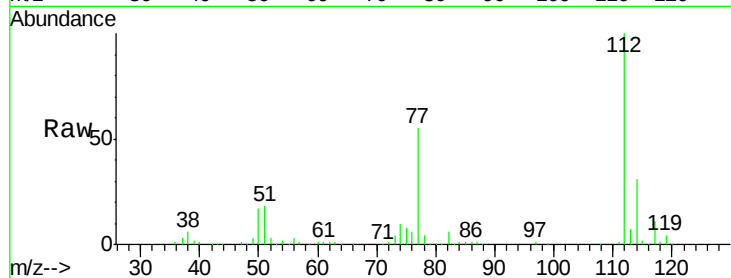
#65
Chlorobenzene
Concen: 47.654 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion:112 Resp: 284141
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7

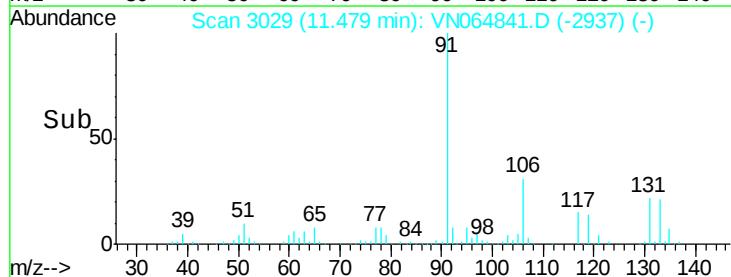
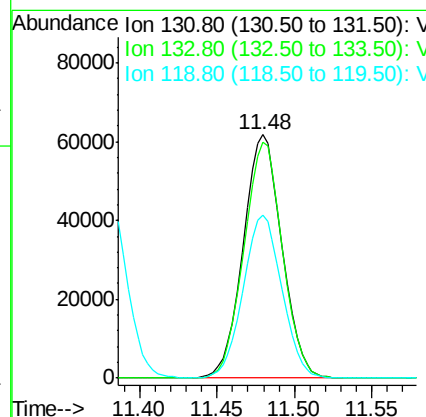
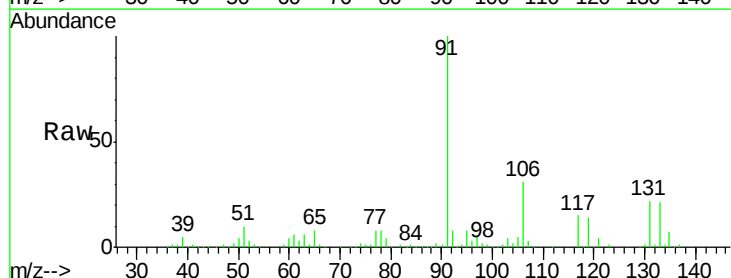
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.061 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion:131 Resp: 107506
Ion Ratio Lower Upper
131 100
133 96.6 47.5 142.5
119 67.0 33.3 99.8





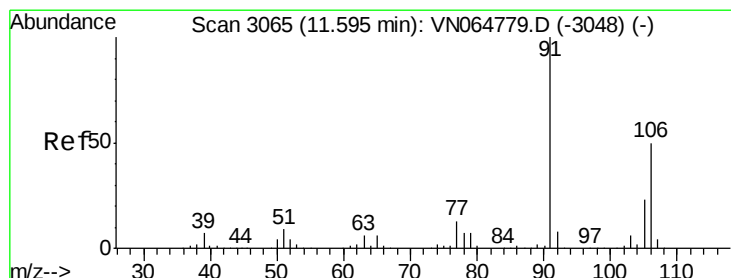
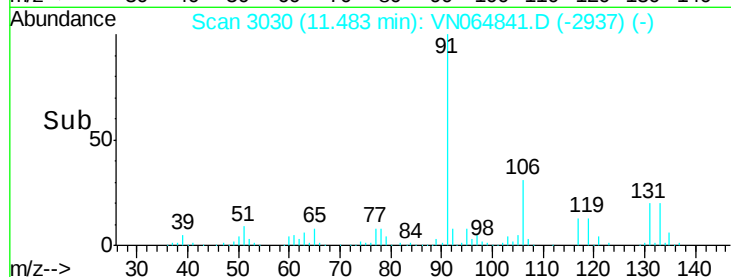
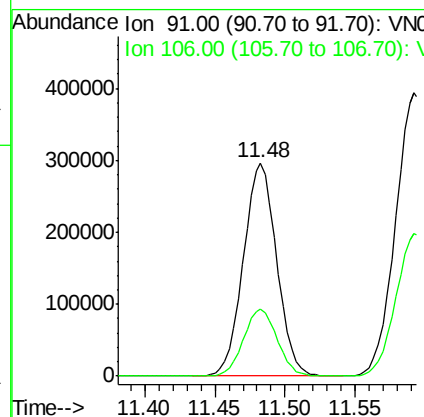
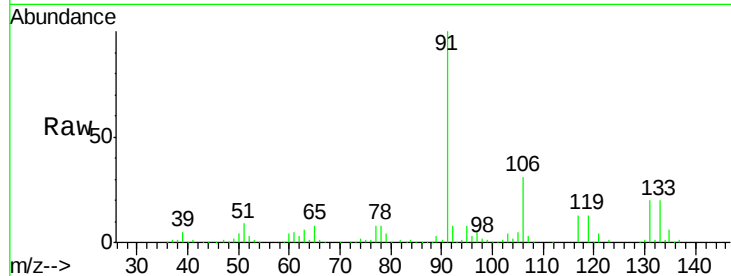
#67
Ethyl Benzene
Concen: 49.162 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion: 91 Resp: 489700
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8

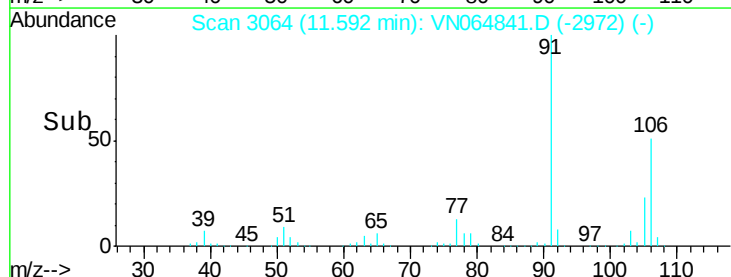
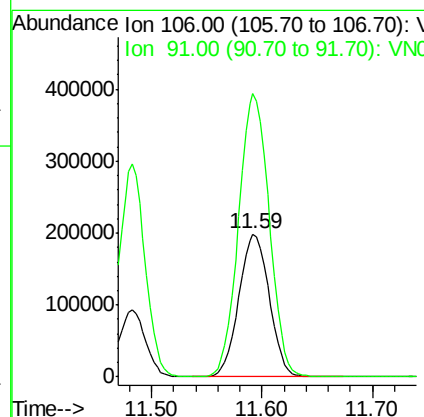
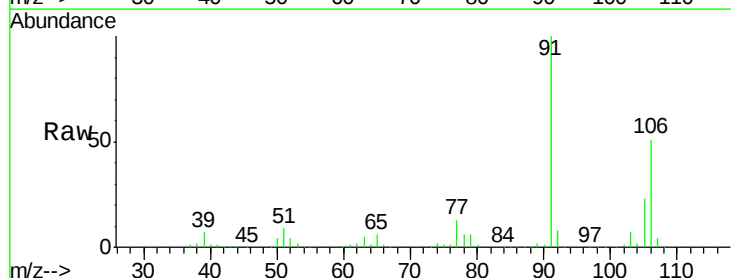
Manual Integrations
APPROVED

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11/25/2020 9:51:40 AM



#68
m/p-Xylenes
Concen: 100.537 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion: 106 Resp: 379152
Ion Ratio Lower Upper
106 100
91 199.1 161.0 241.4





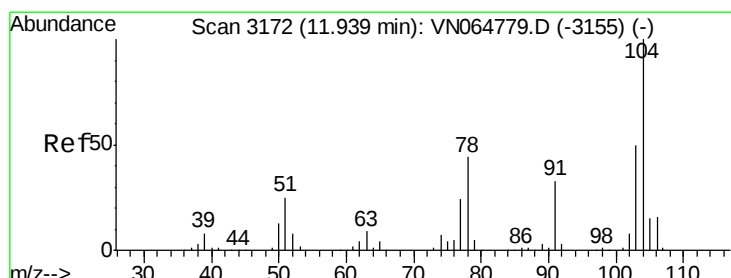
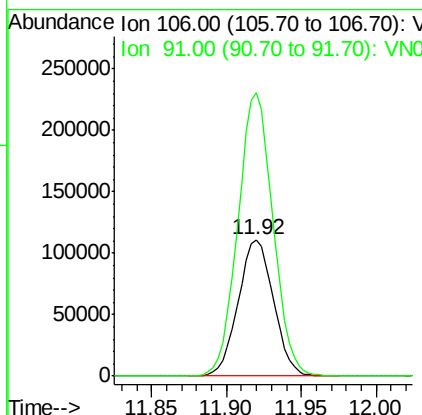
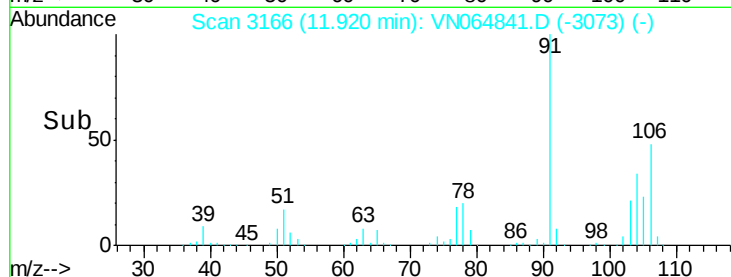
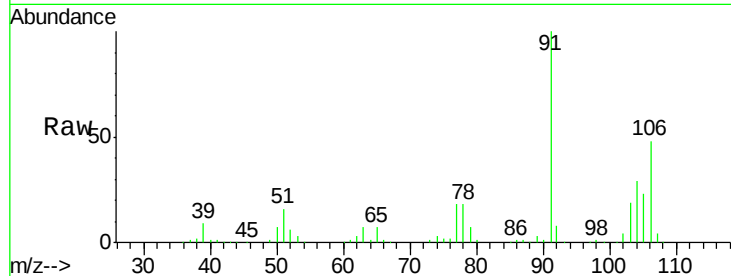
#69
o-Xylene
Concen: 51.082 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion:106 Resp: 182808
Ion Ratio Lower Upper
106 100
91 206.2 105.5 316.5

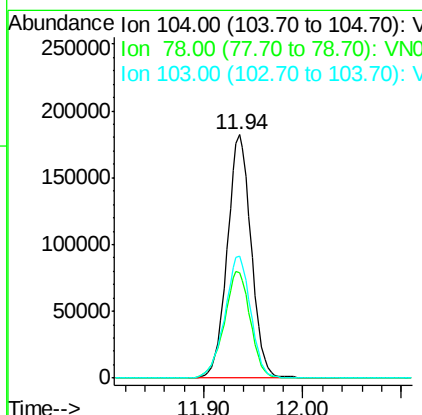
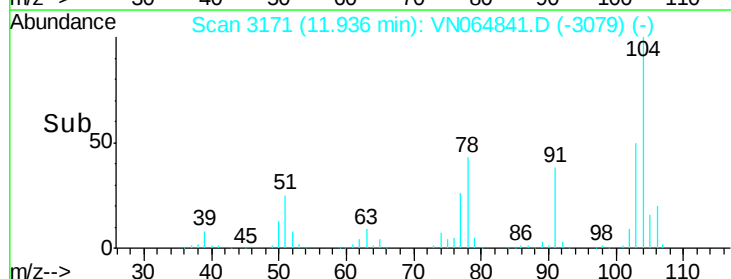
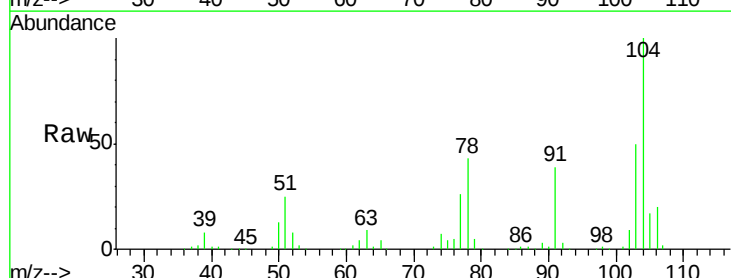
Manual Integrations
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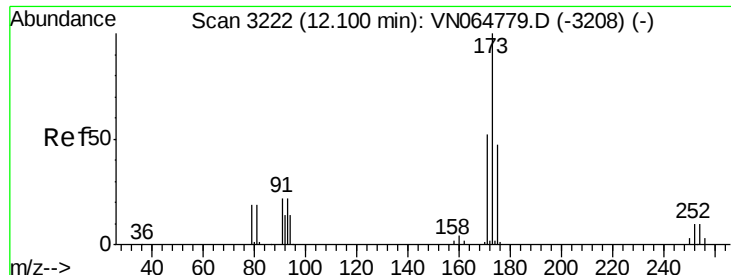
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#70
Styrene
Concen: 51.138 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion:104 Resp: 308950
Ion Ratio Lower Upper
104 100
78 48.2 39.0 58.6
103 54.2 44.3 66.5





#71

Bromoform

Concen: 46.486 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion:173 Resp: 81359

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

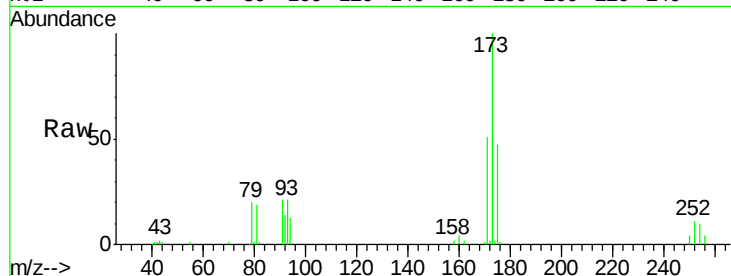
254 0.0 0.0 0.0

Manual Integrations

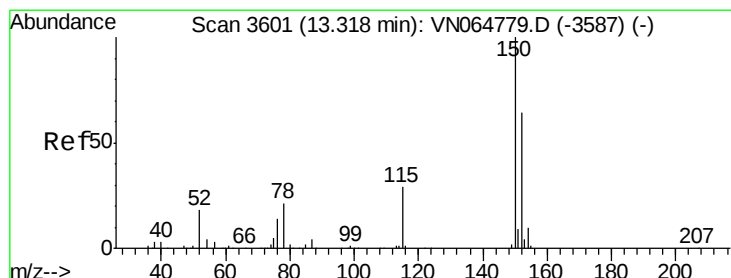
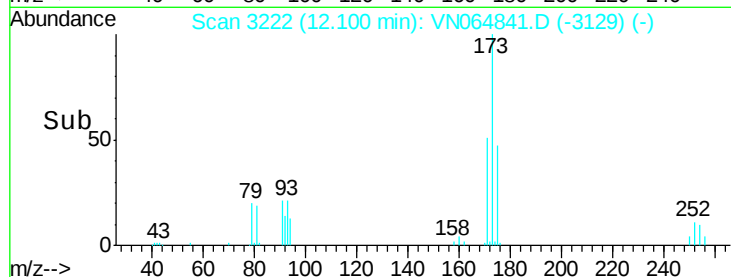
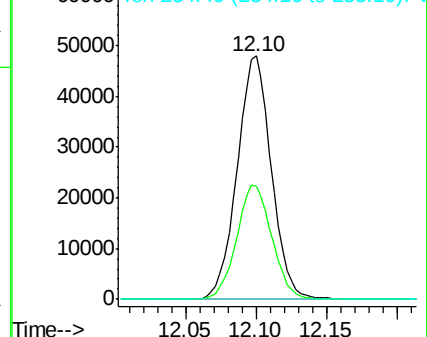
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

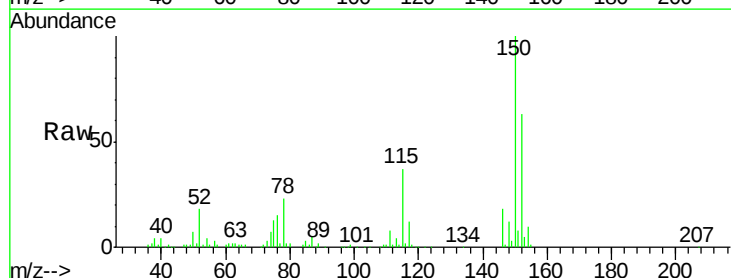
Tgt Ion:152 Resp: 136137

Ion Ratio Lower Upper

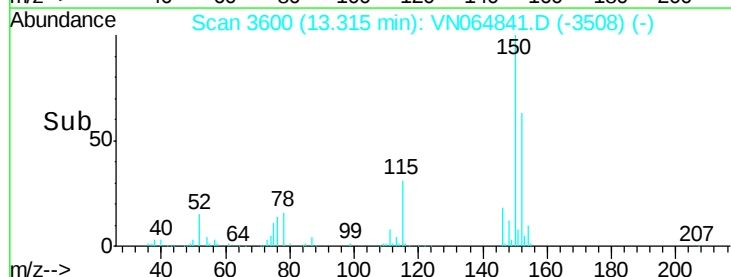
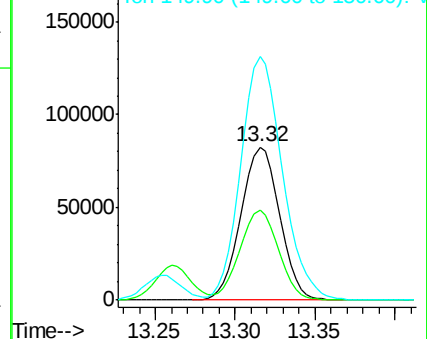
152 100

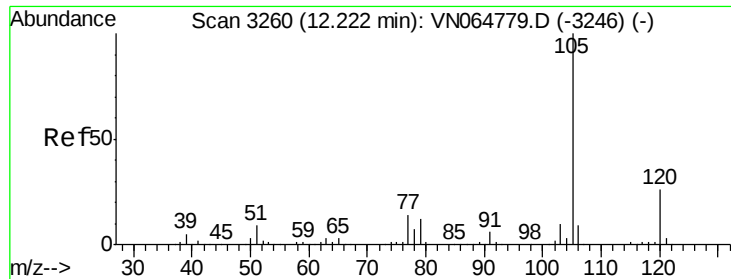
115 58.5 29.7 89.1

150 171.4 0.0 350.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.666 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion: 105 Resp: 479767

Ion Ratio Lower Upper

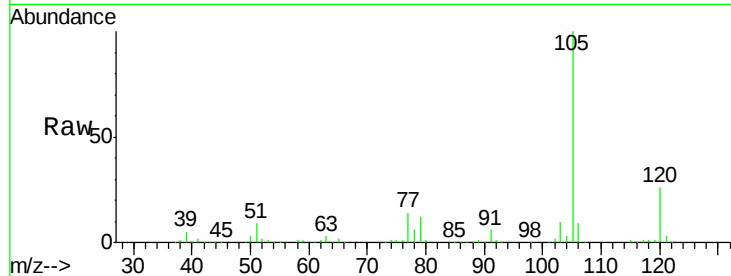
105 100

120 26.3 13.3 39.9

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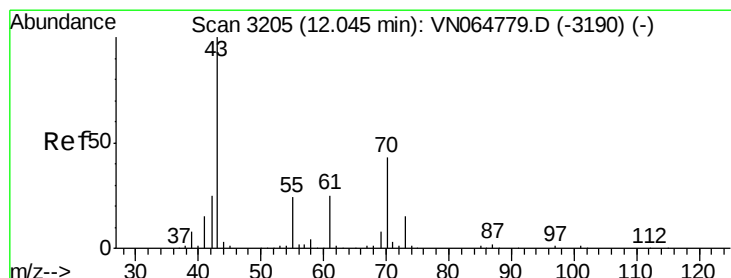
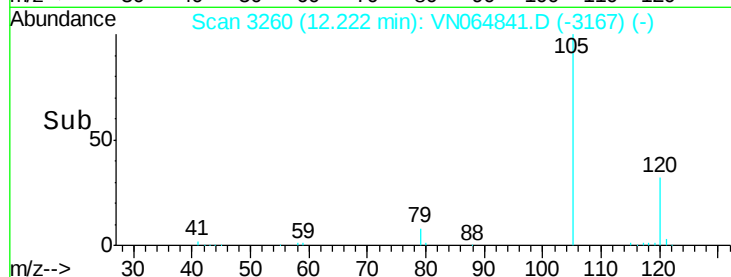
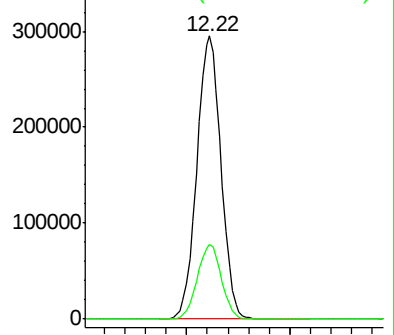
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.625 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Tgt Ion: 43 Resp: 170021

Ion Ratio Lower Upper

43 100

70 46.3 34.5 51.7

55 26.6 20.4 30.6

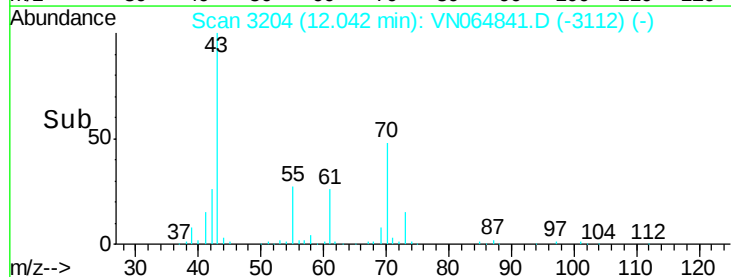
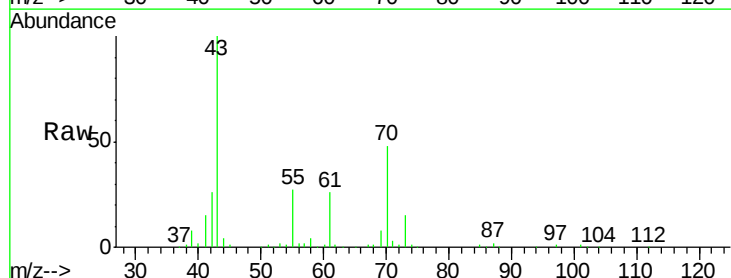
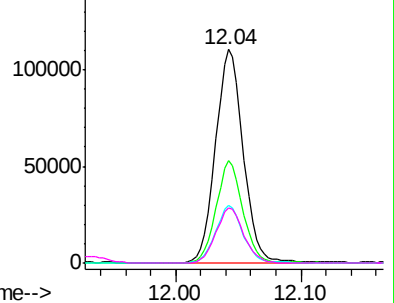
61 25.8 20.0 30.0

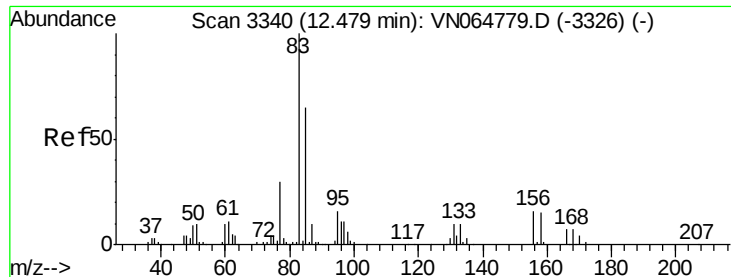
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.490 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

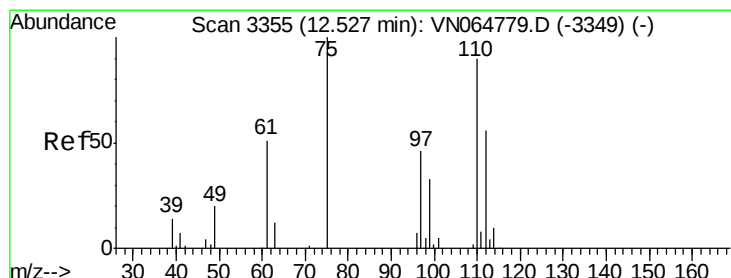
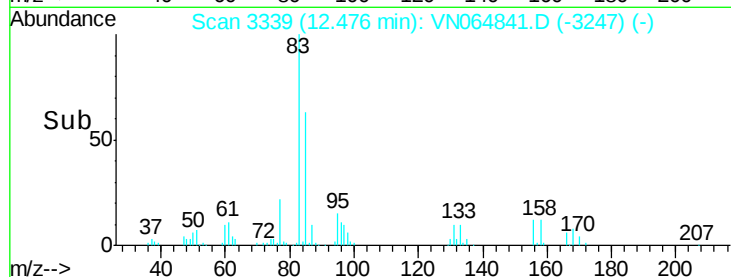
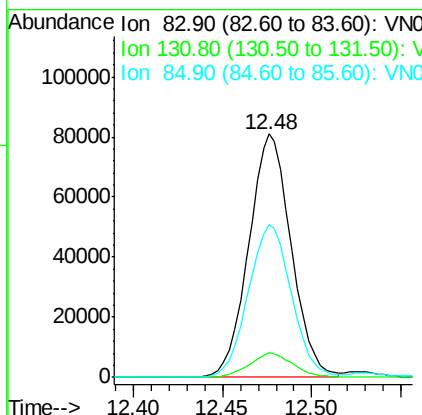
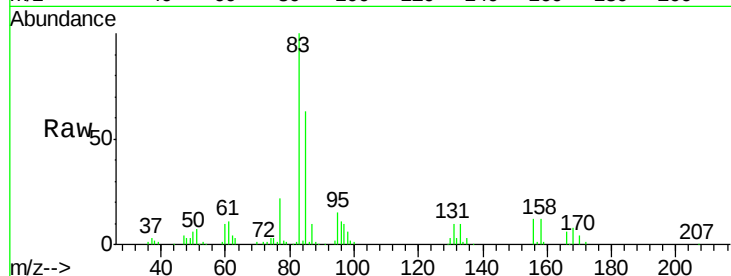
ClientSampleId :

56BR-20201118MS

Tot Ion:	83	Resp:	134584
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	63.8	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 47.779 ug/l m

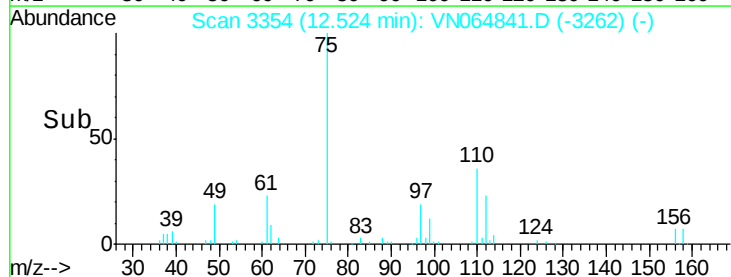
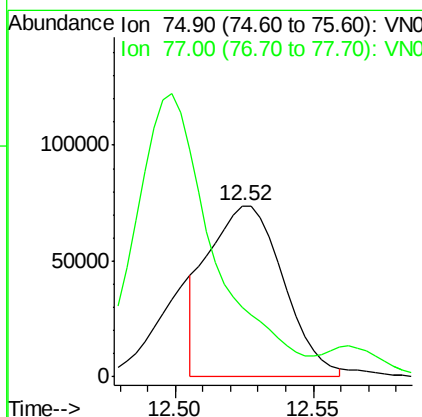
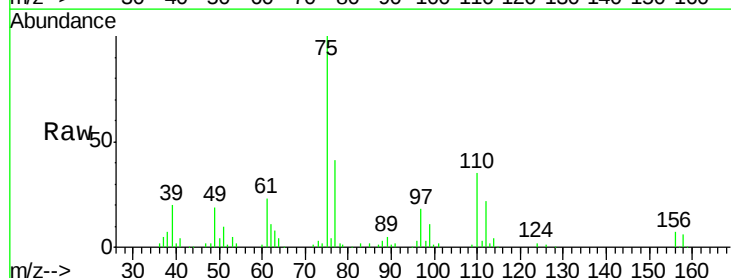
RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Tgt Ion:	75	Resp:	140079
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.828 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

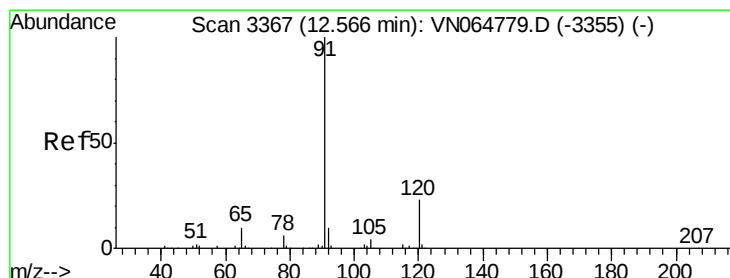
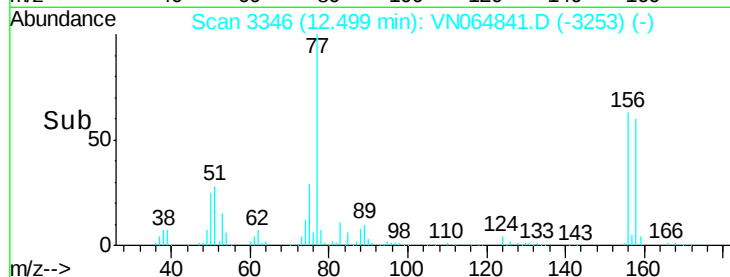
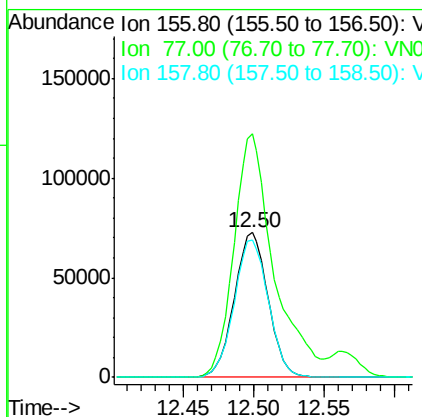
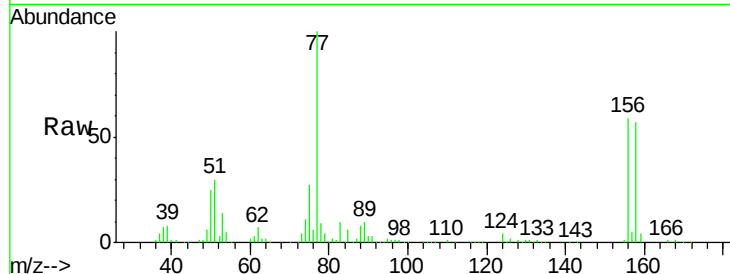
ClientSampleId :

56BR-20201118MS

Tot Ion:	156	Resp:	122101
Ion Ratio	Lower	Upper	
156	100		
77	198.9	101.3	303.7
158	96.3	48.2	144.6

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#78

n-propylbenzene

Concen: 49.898 ug/l

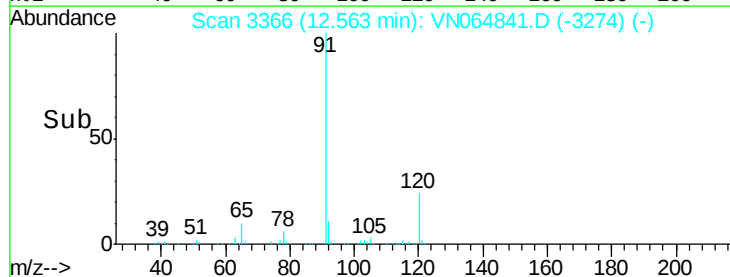
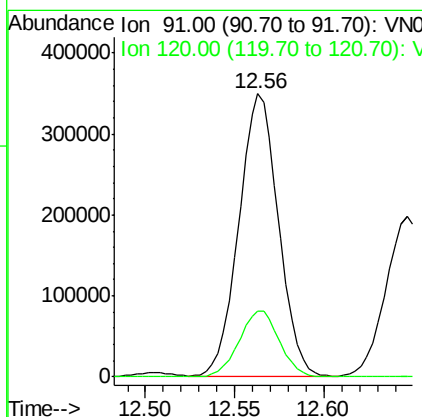
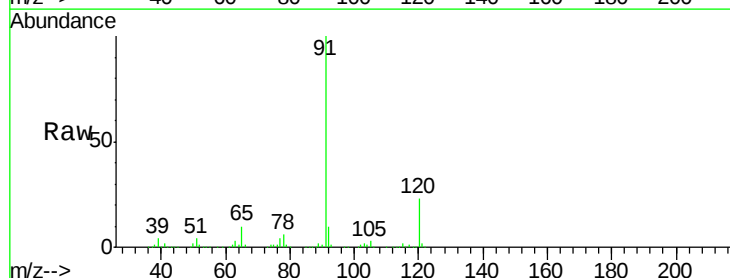
RT: 12.56 min Scan# 3366

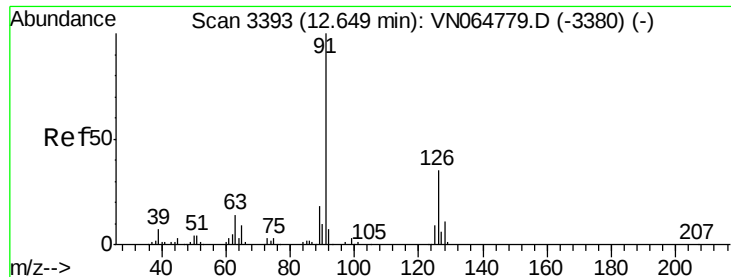
Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Tgt Ion:	91	Resp:	538267
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.6	34.7





#79

2-Chlorotoluene

Concen: 48.185 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064841.D

Acq: 25 Nov 2020 4:18

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118MS

Tot Ion: 91 Resp: 321308

Ion Ratio Lower Upper

91 100

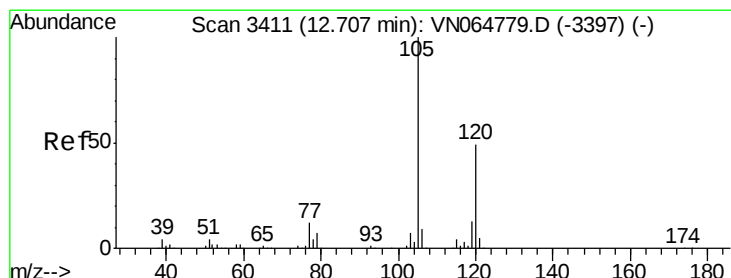
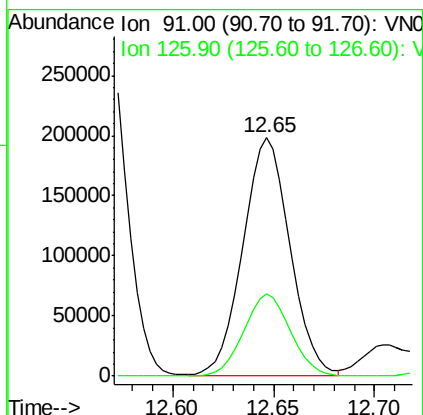
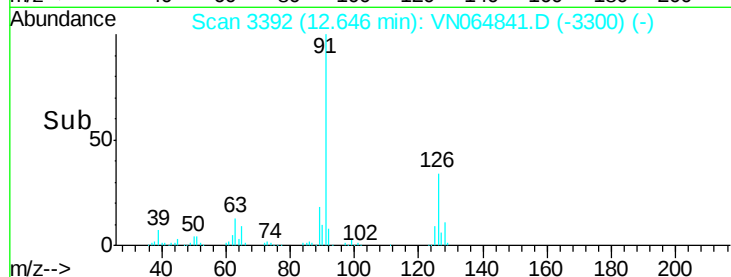
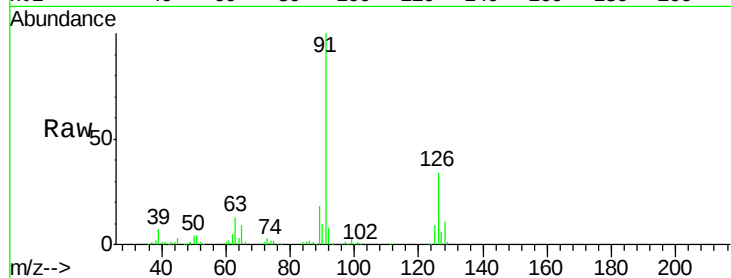
126 34.6 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 52.019 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064841.D

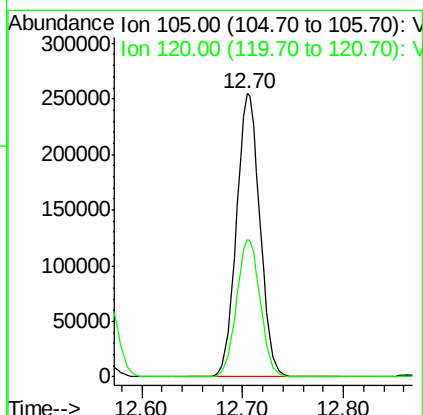
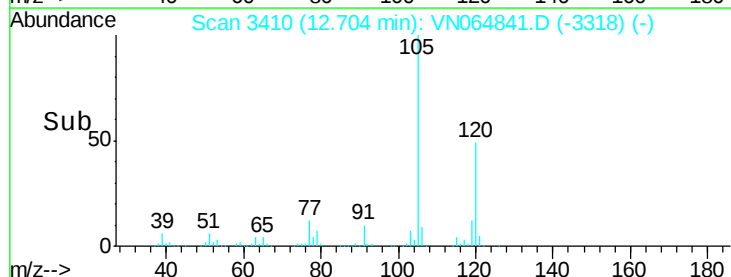
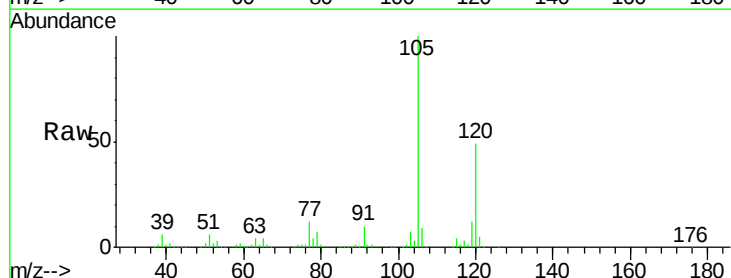
Acq: 25 Nov 2020 4:18

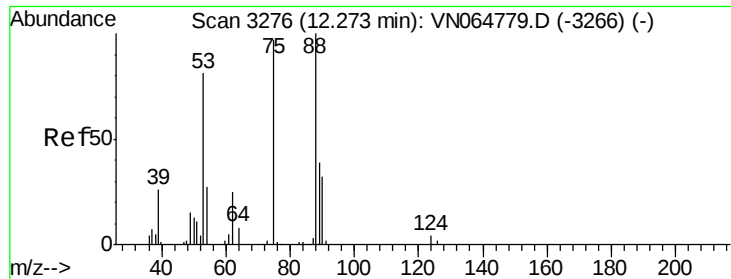
Tgt Ion: 105 Resp: 409428

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.6





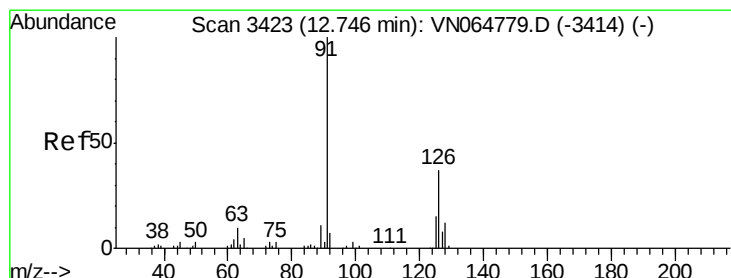
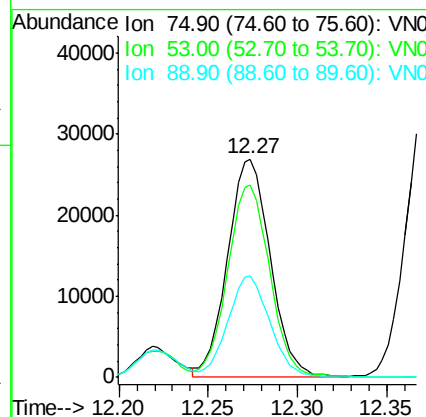
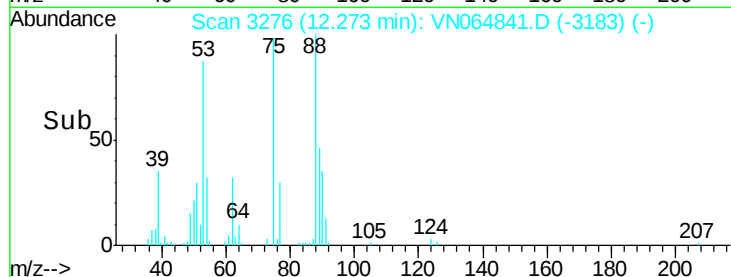
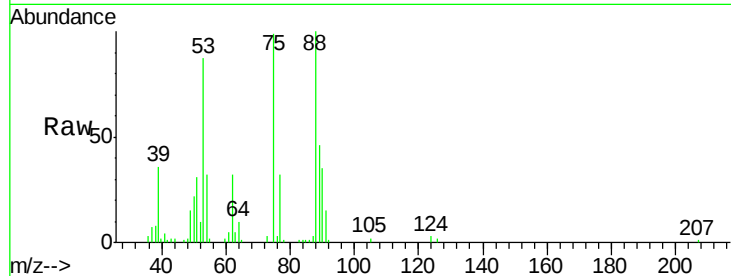
#81
trans-1,4-Dichloro-2-butene
Concen: 41.977 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.0	67.0	100.4
89	45.6	39.6	59.4

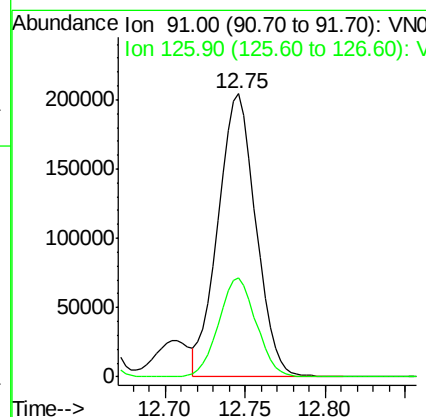
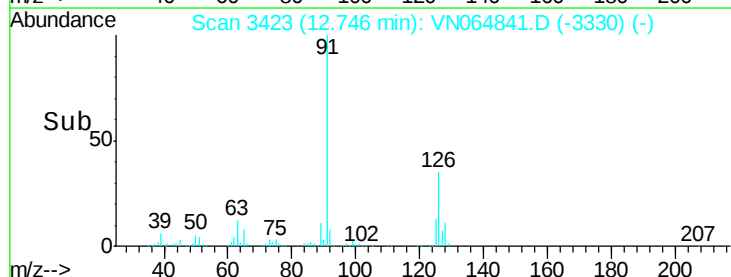
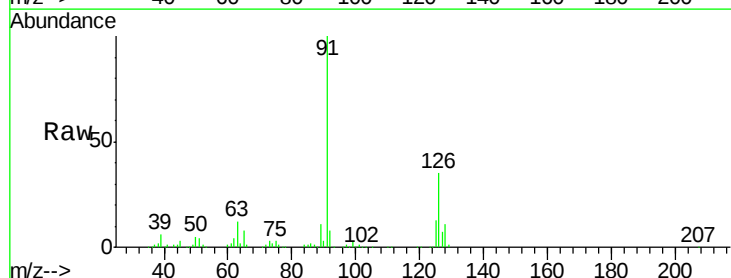
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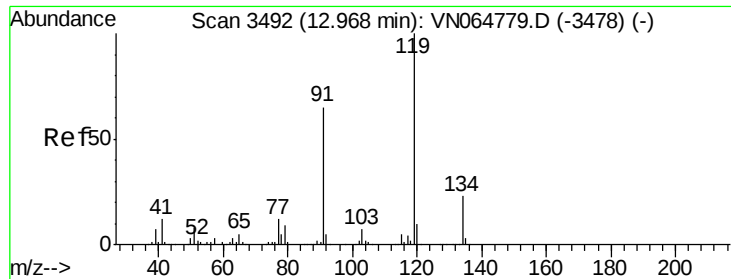
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#82
4-Chlorotoluene
Concen: 47.392 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	16.9	50.7





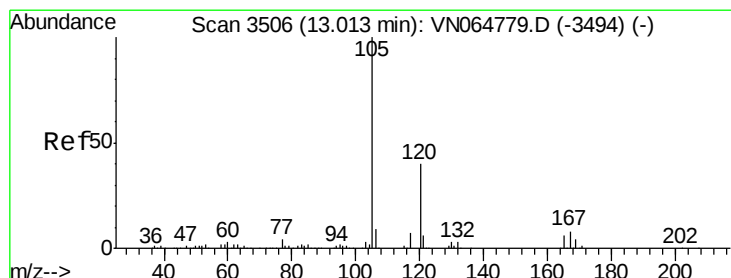
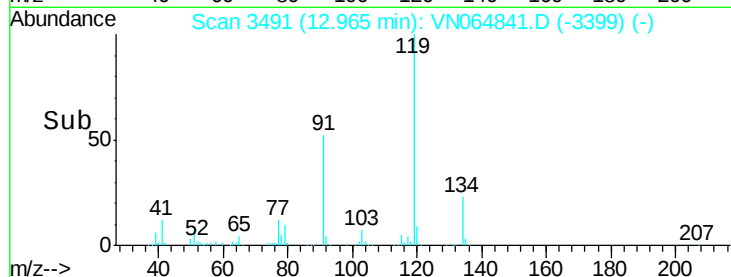
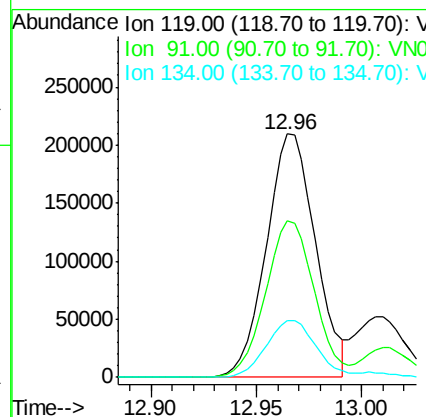
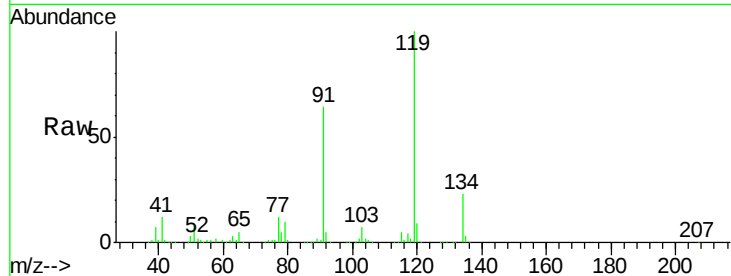
#83
 tert-Butylbenzene
 Concen: 51.469 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	339555		
91	63.9		32.3	96.8
134	24.0		12.6	37.6

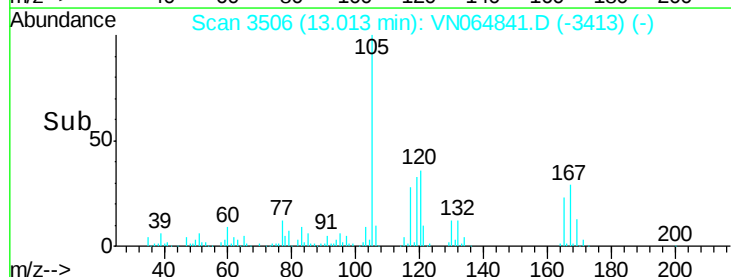
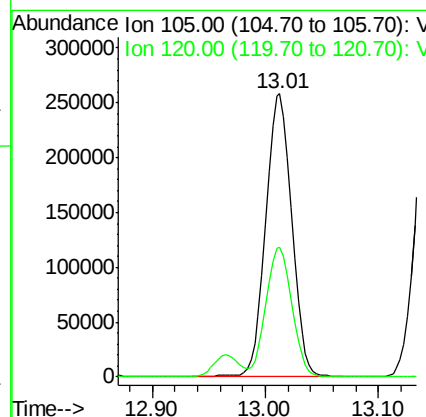
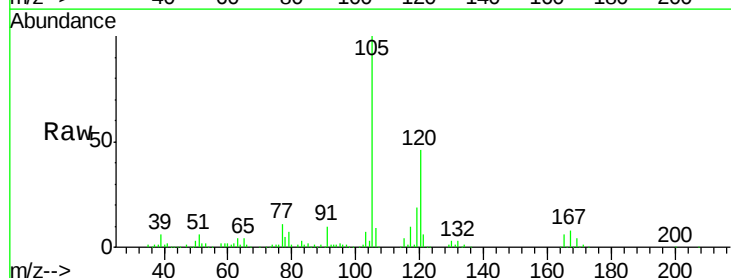
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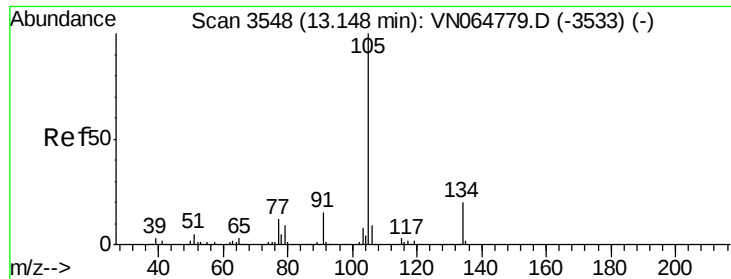
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.033 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	414076		
120	45.7		23.1	69.2





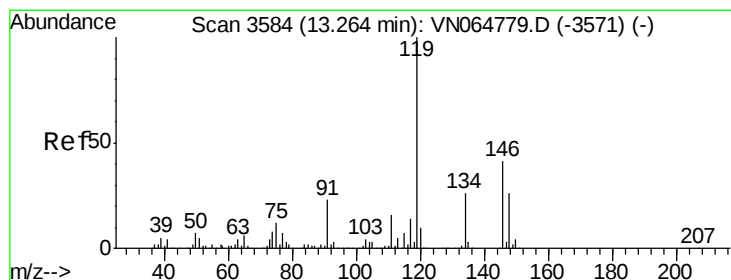
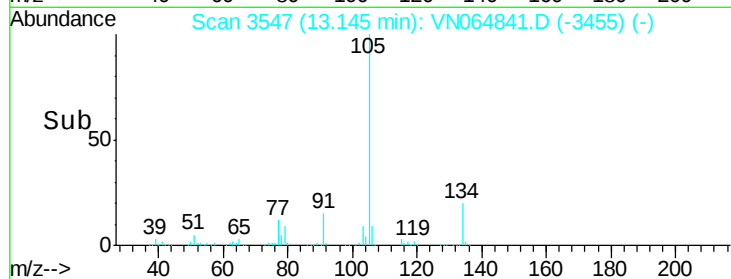
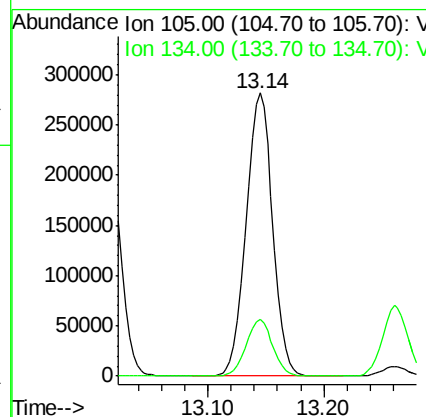
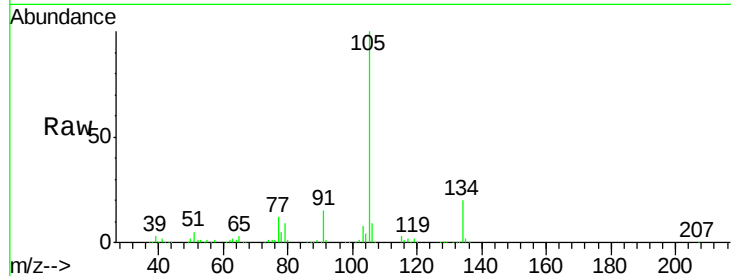
#85
 sec-Butylbenzene
 Concen: 50.855 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.1

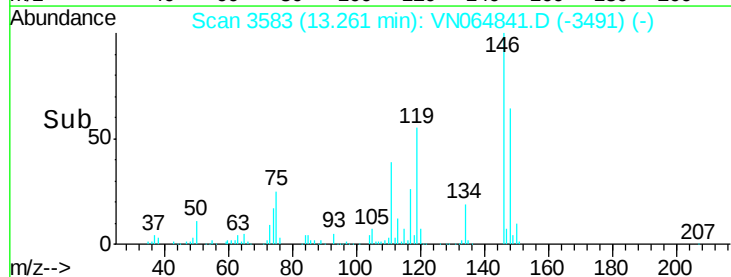
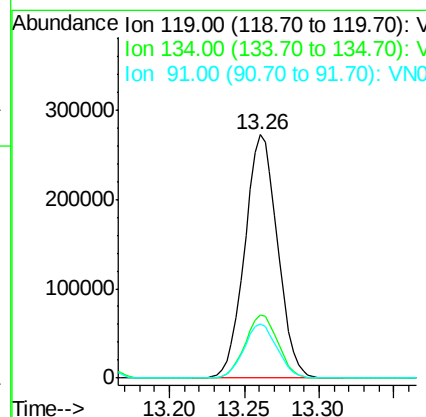
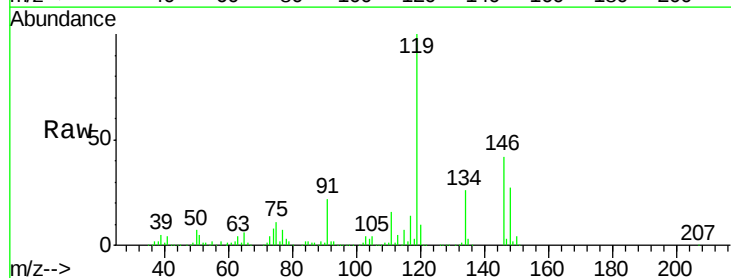
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#86
 p-Isopropyltoluene
 Concen: 51.773 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.1
91	22.8	11.5	34.5





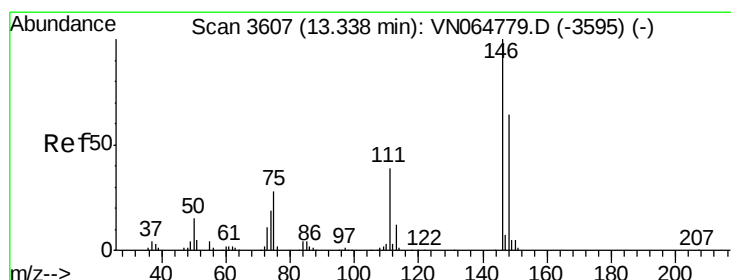
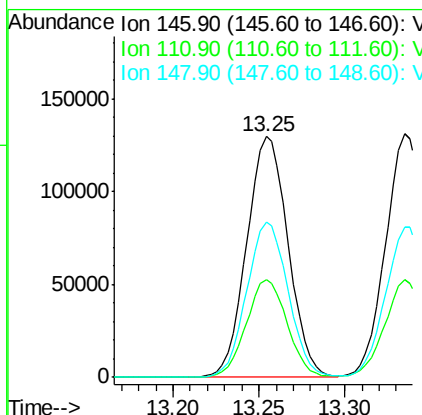
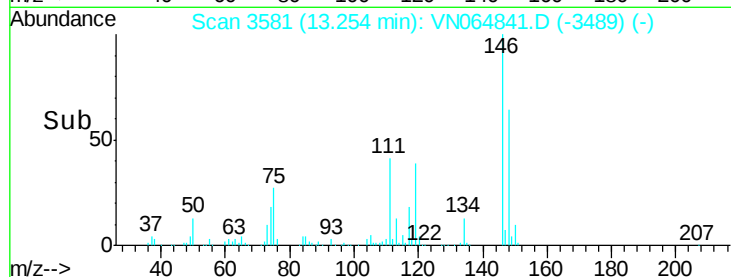
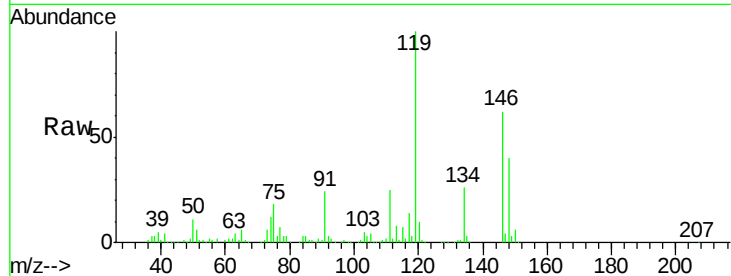
#87
 1,3-Dichlorobenzene
 Concen: 47.794 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.6	61.9
148	64.3	31.9	95.5

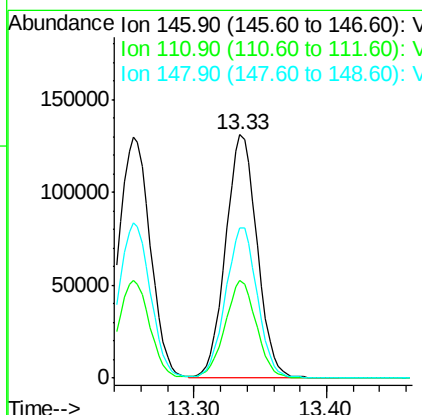
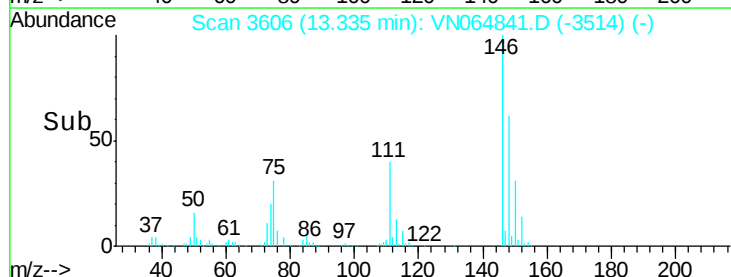
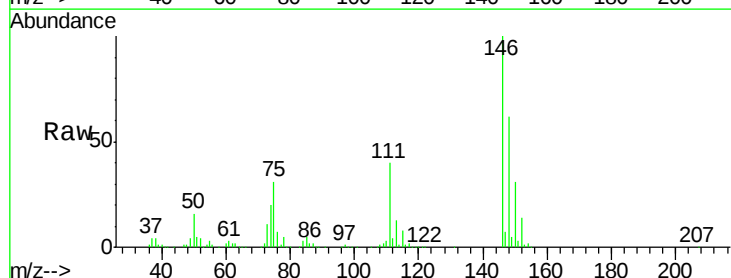
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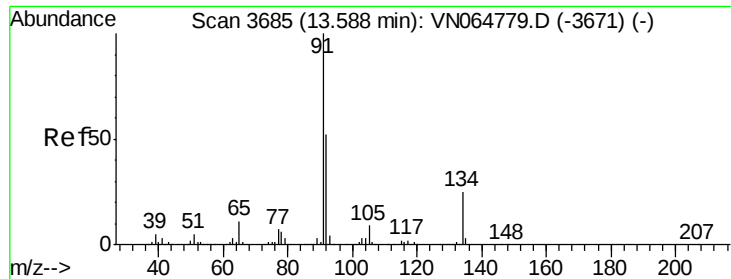
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#88
 1,4-Dichlorobenzene
 Concen: 44.927 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.3
148	62.3	31.9	95.5





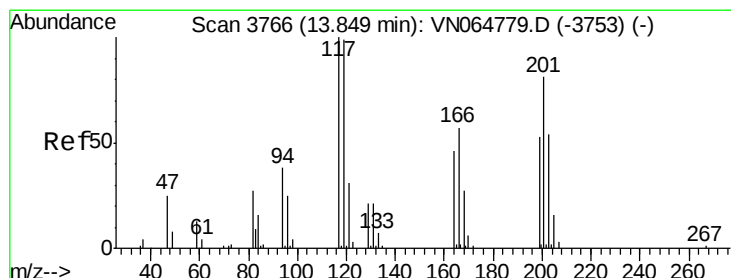
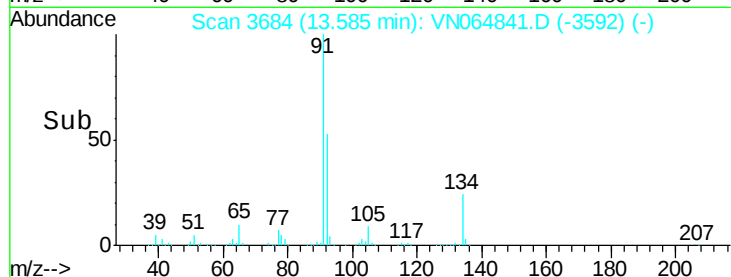
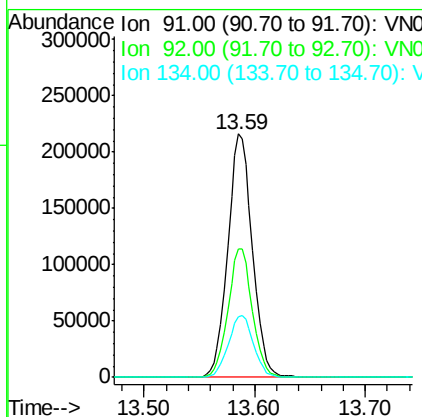
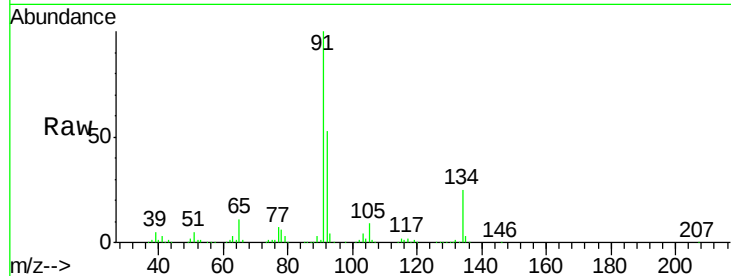
#89
n-Butylbenzene
Concen: 47.606 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	26.0	12.9	38.6

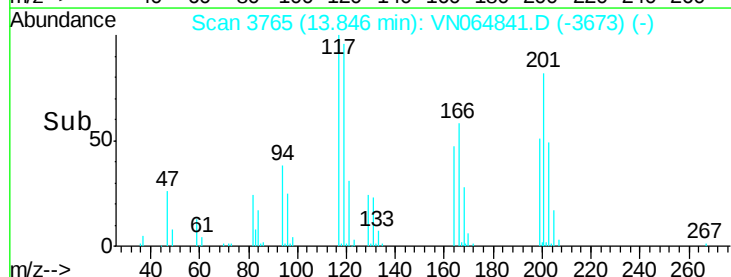
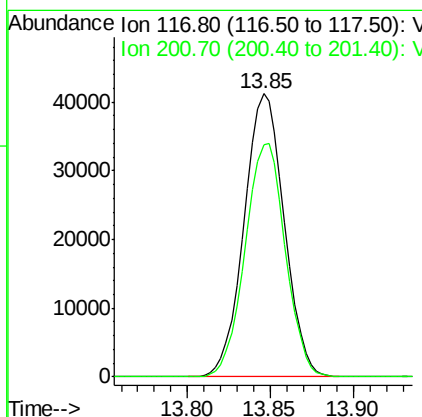
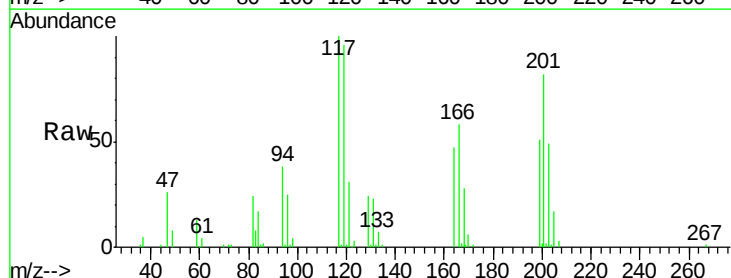
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#90
Hexachloroethane
Concen: 50.231 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	40.1	120.3





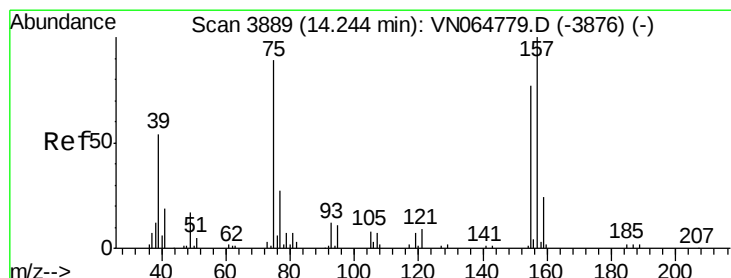
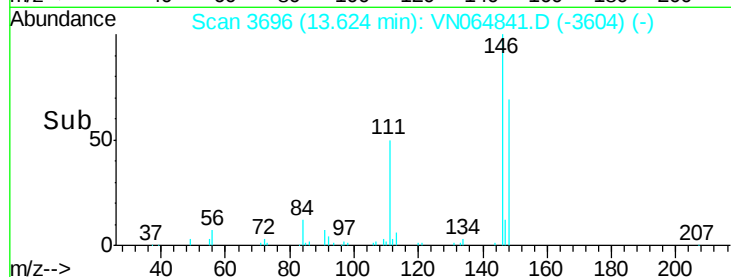
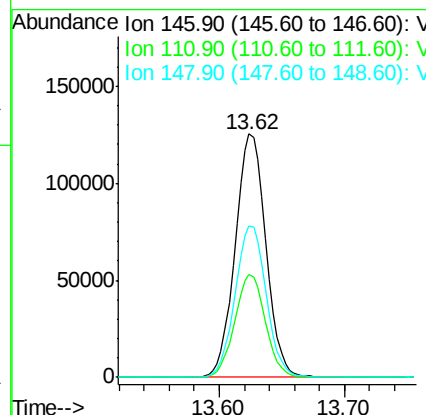
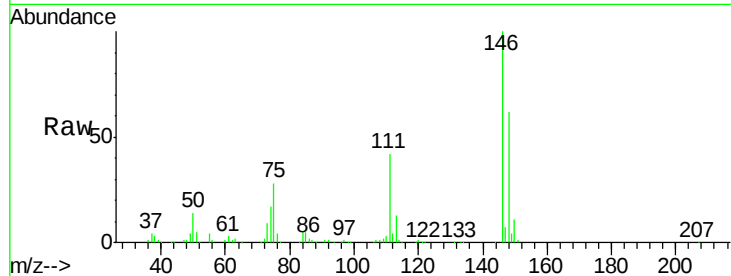
#91
 1,2-Dichlorobenzene
 Concen: 47.921 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.1
148	63.0	32.0	96.2

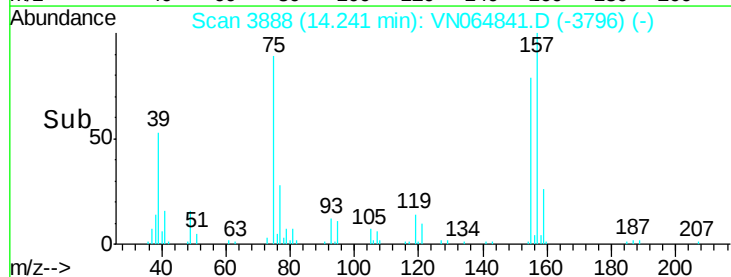
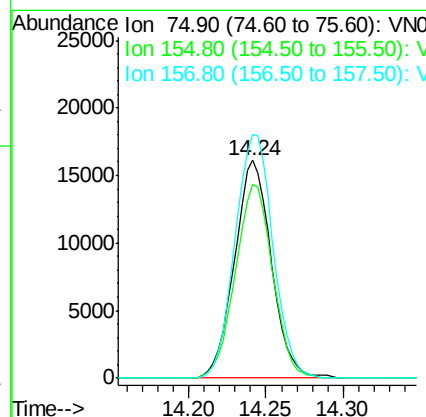
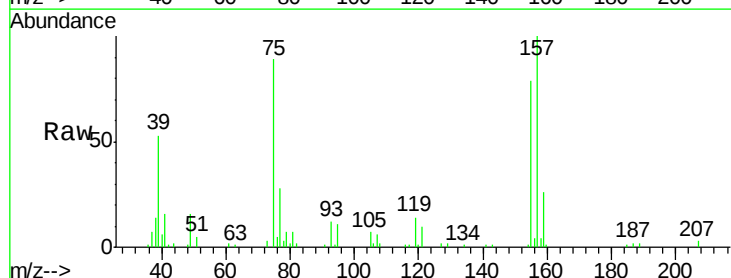
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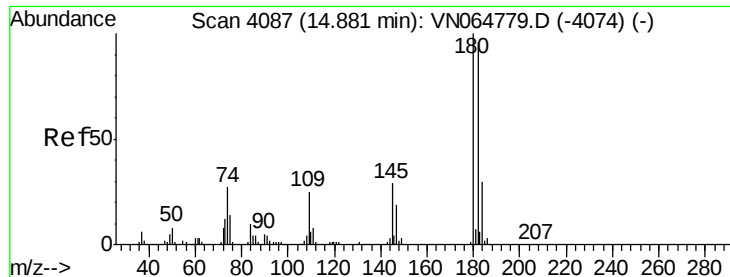
MMDadoda
 11/25/2020 9:51:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.666 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	42.8	128.3
157	115.5	56.4	169.1





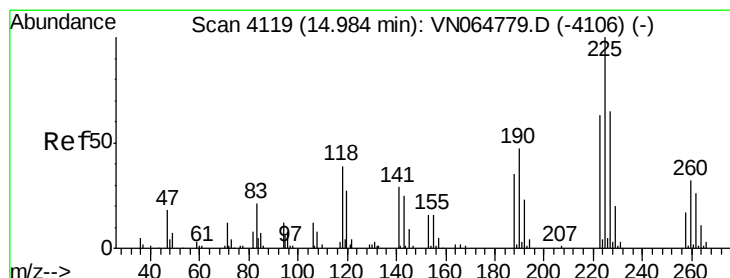
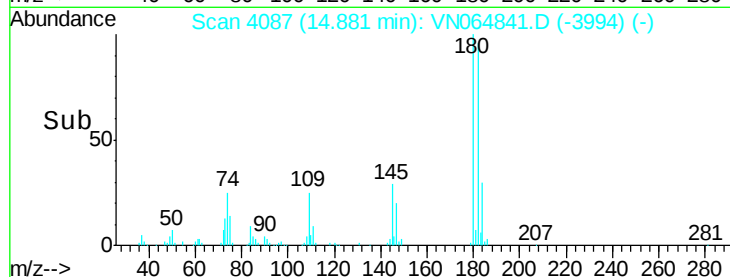
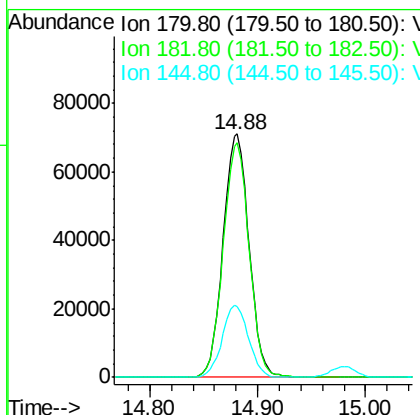
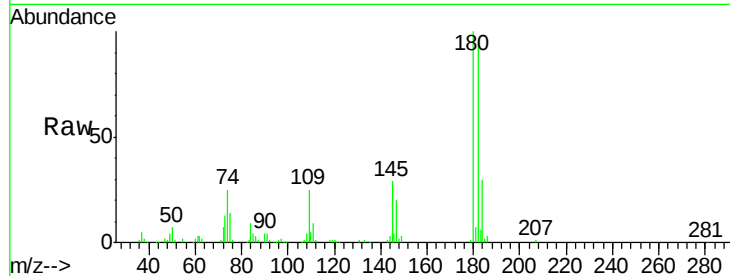
#93
 1,2,4-Trichlorobenzene
 Concen: 43.231 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119101		
182	96.1	47.6	142.9	
145	29.9	15.3	45.8	

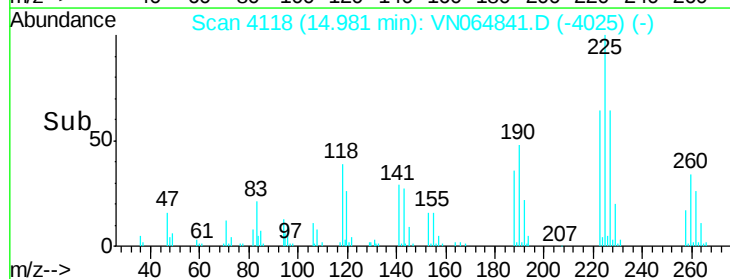
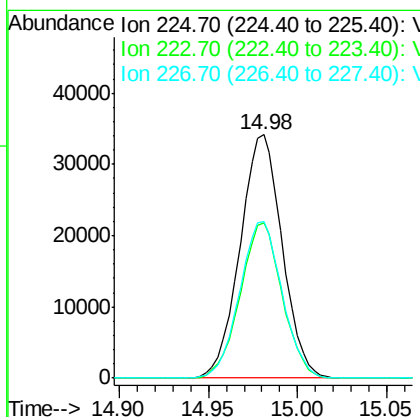
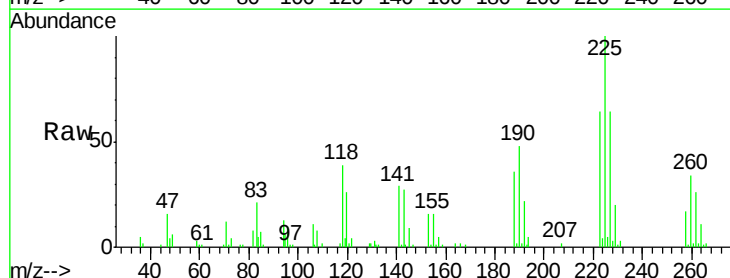
Manual Integrations
 APPROVED

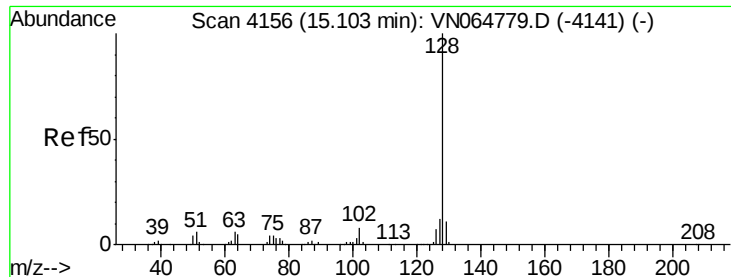
MMDadoda
 11/25/2020 9:51:40 AM



#94
 Hexachlorobutadiene
 Concen: 45.523 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064841.D
 Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56434		
223	63.1	31.0	93.0	
227	64.9	32.0	96.0	





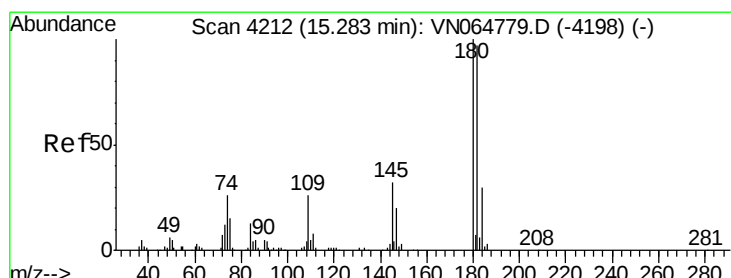
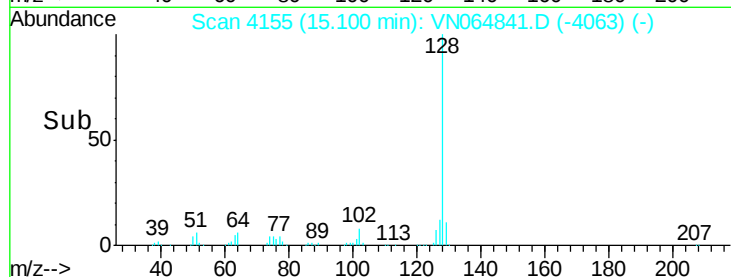
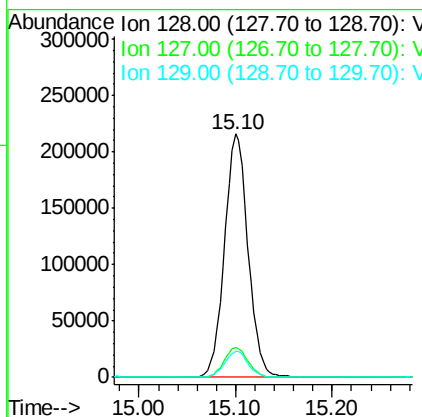
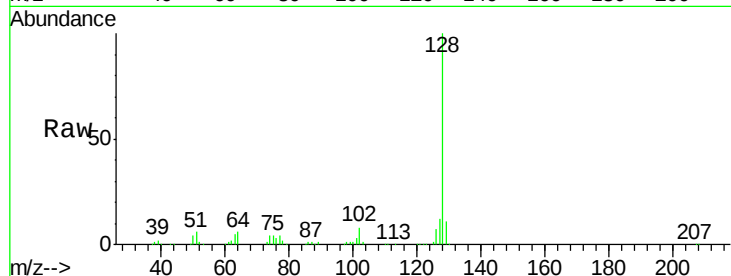
#95
Naphthalene
Concen: 44.176 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	364611		
127	12.5	10.3	15.5	
129	10.7	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
11/25/2020 9:51:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.053 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN064841.D
Acq: 25 Nov 2020 4:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	117583		
182	93.8	48.1	144.4	
145	32.0	16.4	49.1	

