

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\
 Data File : VN063078.D
 Acq On : 21 Aug 2020 14:15
 Operator : JC/MD
 Sample : VN0821WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Manual Integrations
 APPROVED

sam
 8/24/2020 5:52:25 PM

Quant Time: Aug 22 01:34:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	162425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	240172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	228108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	107664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	97002	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	7.55	113	80283	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
50) Toluene-d8	10.06	98	302142	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.38	95	104366	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	41738	19.836	ug/l	94
3) Chloromethane	2.03	50	45132	20.265	ug/l	96
4) Vinyl Chloride	2.16	62	44147	20.498	ug/l	99
5) Bromomethane	2.53	94	26807	20.970	ug/l	98
6) Chloroethane	2.67	64	26332	20.708	ug/l	96
7) Trichlorofluoromethane	2.98	101	52968	19.721	ug/l	99
8) Diethyl Ether	3.37	74	18084	19.032	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	28005	19.350	ug/l	98
10) Methyl Iodide	3.91	142	33381	18.196	ug/l	98
11) Tert butyl alcohol	4.74	59	23729	87.024	ug/l	98
12) 1,1-Dichloroethene	3.70	96	24009	17.414	ug/l	94
13) Acrolein	3.57	56	4532	53.054	ug/l	97
14) Allyl chloride	4.27	41	46048	18.942	ug/l	99
15) Acrylonitrile	4.93	53	80138	99.993	ug/l	99
16) Acetone	3.78	43	63457	103.409	ug/l	99
17) Carbon Disulfide	4.01	76	63257	17.519	ug/l	99
18) Methyl Acetate	4.28	43	39271	20.528	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	94976	19.753	ug/l	95
20) Methylene Chloride	4.50	84	34855	19.728	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	26203	18.161	ug/l	94
22) Diisopropyl ether	5.90	45	114313	20.722	ug/l	97
23) Vinyl Acetate	5.85	43	352823	94.780	ug/l	100
24) 1,1-Dichloroethane	5.80	63	60236	19.540	ug/l	98
25) 2-Butanone	6.79	43	96477	94.399	ug/l	100
26) 2,2-Dichloropropane	6.77	77	47857	19.741	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	34004	18.803	ug/l	98
28) Bromochloromethane	7.15	49	31079	19.269	ug/l	98
29) Tetrahydrofuran	7.17	42	64397	97.630	ug/l	99
30) Chloroform	7.33	83	61018	19.654	ug/l	99
31) Cyclohexane	7.62	56	51774	18.248	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	49159	19.395	ug/l	98
36) 1,1-Dichloropropene	7.75	75	39945	18.873	ug/l	100
37) Ethyl Acetate	6.88	43	37248	18.782	ug/l	100
38) Carbon Tetrachloride	7.73	117	41198	19.280	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	47230	17.574	ug/l	96
40) Benzene	8.00	78	131326	19.563	ug/l	100
41) Methacrylonitrile	7.13	41	16668	17.640	ug/l #	72
42) 1,2-Dichloroethane	8.08	62	46479	20.621	ug/l	100
43) Isopropyl Acetate	8.13	43	63961	19.467	ug/l	99
44) Trichloroethene	8.80	130	31653	18.956	ug/l	94
45) 1,2-Dichloropropane	9.08	63	38688	19.938	ug/l	99
46) Dibromomethane	9.18	93	22756	20.300	ug/l	99
47) Bromodichloromethane	9.37	83	49595	20.200	ug/l	100
48) Methyl methacrylate	9.17	41	29880	19.221	ug/l	98
49) 1,4-Dioxane	9.17	88	11641	350.381	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	211175	101.685	ug/l	97
52) Toluene	10.12	92	80521	19.884	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	51038	20.102	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	55571	19.952	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	35169	20.311	ug/l	98
56) Ethyl methacrylate	10.40	69	46313	18.456	ug/l	97
57) 1,3-Dichloropropane	10.68	76	57373	19.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	46309	79.952	ug/l	99
59) 2-Hexanone	10.72	43	144679	99.875	ug/l	97
60) Dibromochloromethane	10.87	129	38405	20.042	ug/l	98
61) 1,2-Dibromoethane	10.98	107	34002	20.437	ug/l	97
64) Tetrachloroethene	10.60	164	29312	19.548	ug/l	96
65) Chlorobenzene	11.41	112	88331	19.281	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	35287	19.803	ug/l	99
67) Ethyl Benzene	11.48	91	149436	19.305	ug/l	100
68) m/p-Xylenes	11.60	106	114009	39.627	ug/l	99
69) o-Xylene	11.92	106	53527	19.374	ug/l	99
70) Styrene	11.94	104	94575	18.510	ug/l	99
71) Bromoform	12.10	173	27462	19.362	ug/l #	98
73) Isopropylbenzene	12.22	105	144790	19.638	ug/l	100
74) N-amyl acetate	12.05	43	53744	20.353	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	51474	20.647	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	42145m	20.139	ug/l	
77) Bromobenzene	12.50	156	40369	19.908	ug/l	99
78) n-propylbenzene	12.57	91	170068	20.237	ug/l	100
79) 2-Chlorotoluene	12.65	91	103506	19.582	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	123612	20.282	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	15294	20.071	ug/l	98
82) 4-Chlorotoluene	12.75	91	107292	19.934	ug/l	98
83) tert-Butylbenzene	12.97	119	104584	19.881	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	119986	20.208	ug/l	99
85) sec-Butylbenzene	13.15	105	141558	19.911	ug/l	100
86) p-Isopropyltoluene	13.26	119	120360	19.430	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	68983	19.795	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	67825	19.176	ug/l	98
89) n-Butylbenzene	13.59	91	93528	17.818	ug/l	99
90) Hexachloroethane	13.85	117	25049	19.025	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	68031	20.210	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7884	21.233	ug/l	94

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	28180	18.275	ug/l	99
94) Hexachlorobutadiene	14.98	225	22380	17.992	ug/l	99
95) Naphthalene	15.11	128	59009	17.829	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	28381	18.251	ug/l	97

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

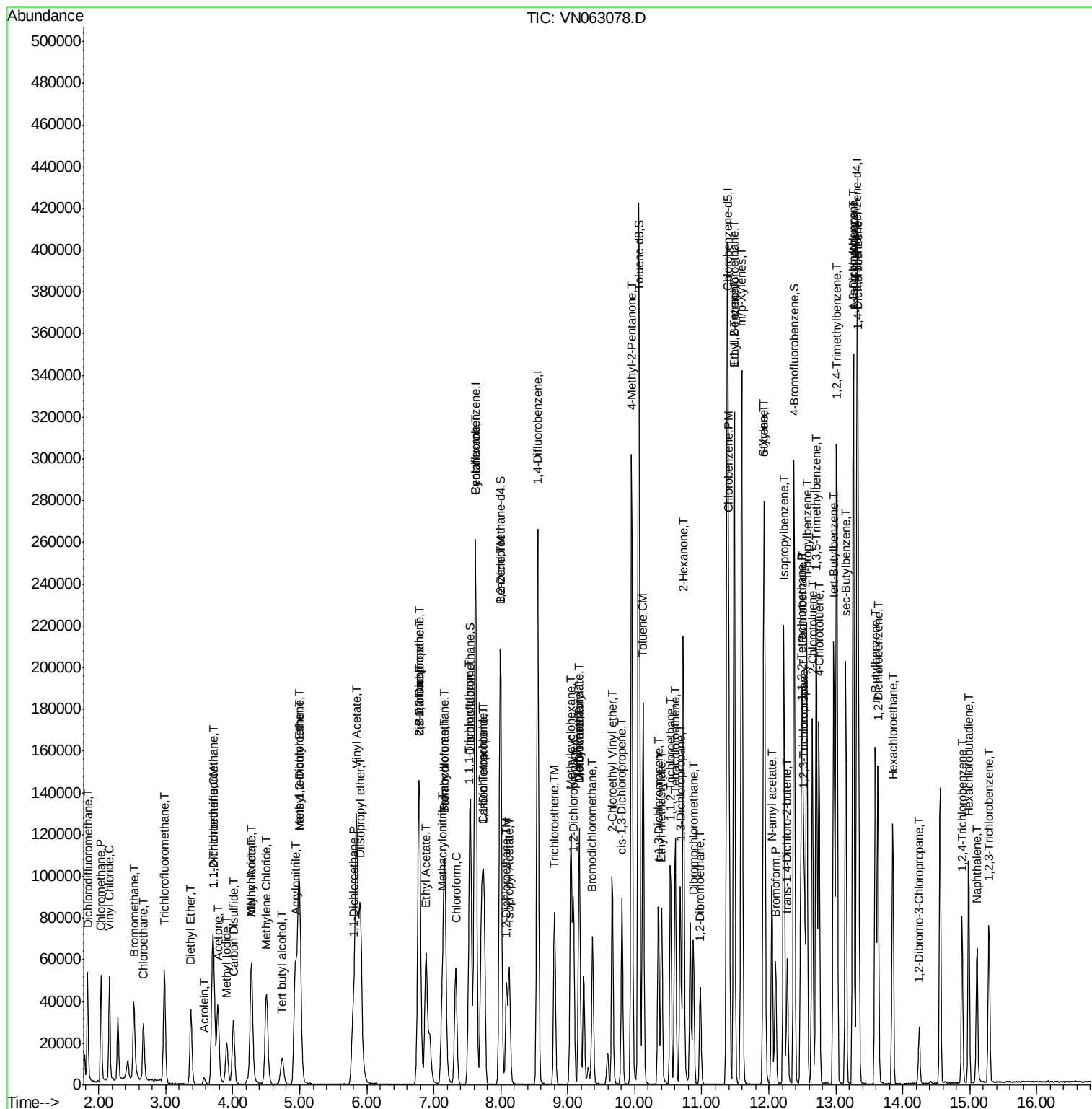
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Data File : VN063078.D
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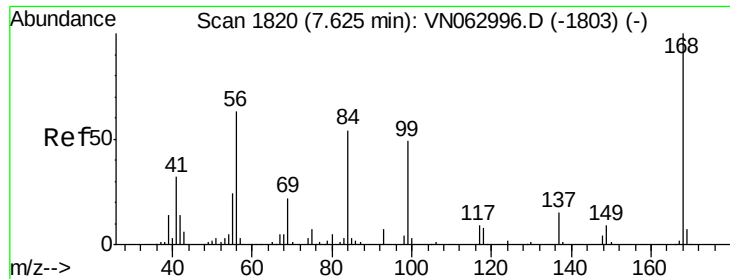
Instrument :
MSVOA_N
Client Sample Id :
VN0821WBSD02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion:168 Resp: 162425

Ion Ratio Lower Upper

168 100

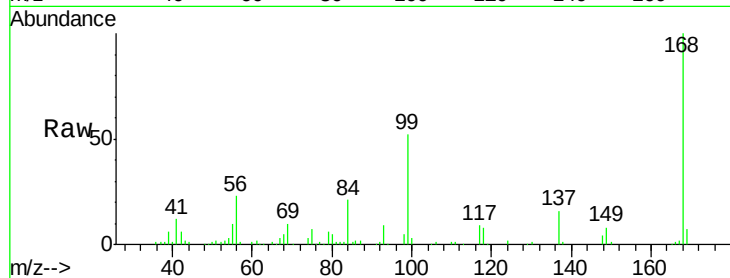
99 51.6 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

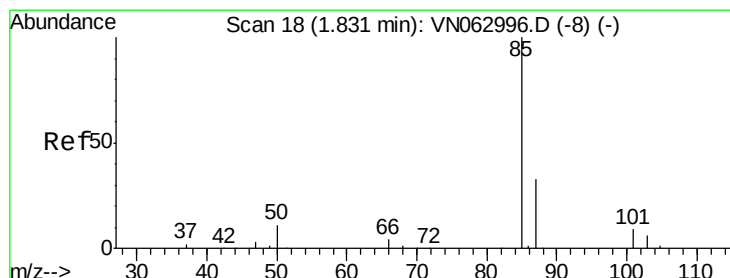
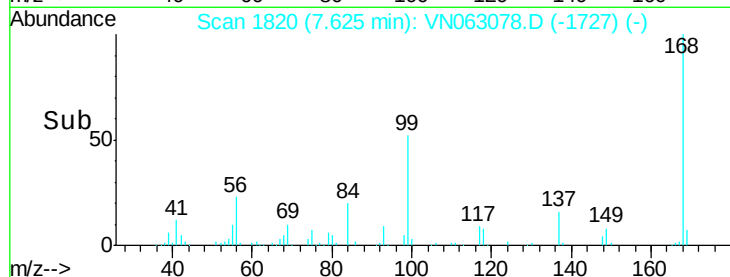
40000

20000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.836 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN063078.D

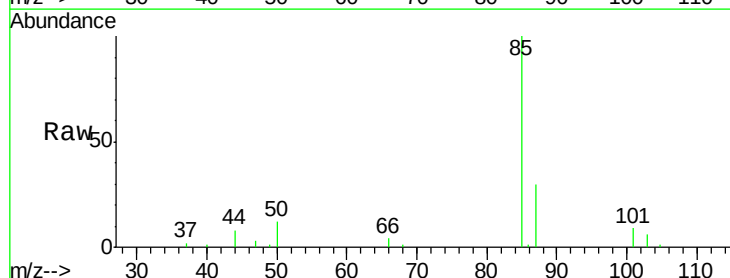
Acq: 21 Aug 2020 14:15

Tgt Ion: 85 Resp: 41738

Ion Ratio Lower Upper

85 100

87 29.8 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

30000

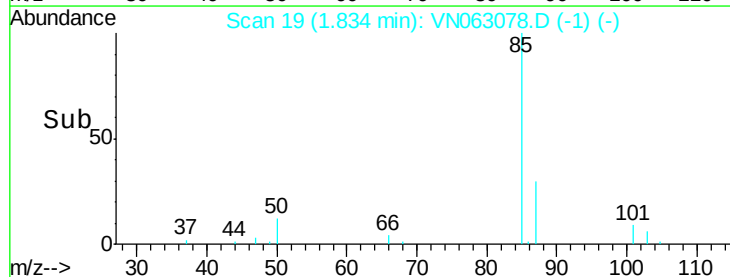
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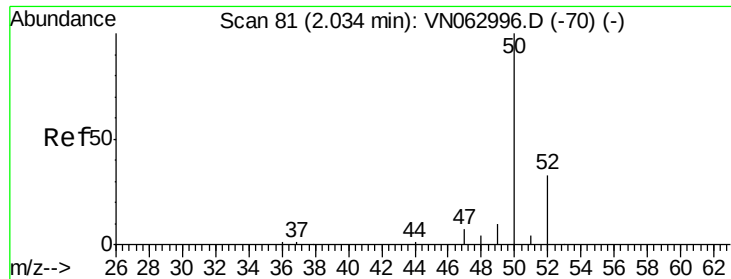
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.265 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion: 50 Resp: 45132

Ion Ratio Lower Upper

50 100

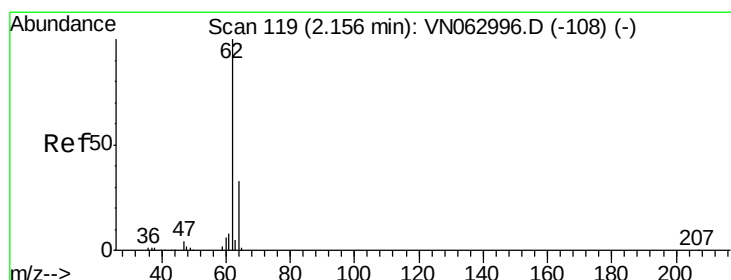
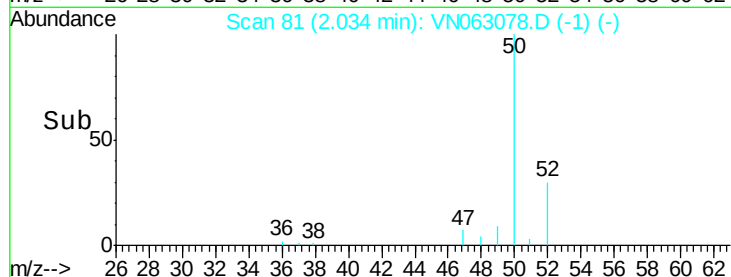
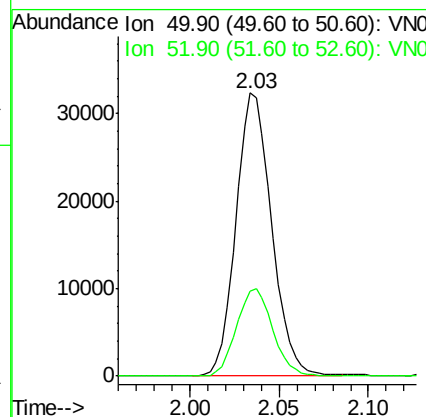
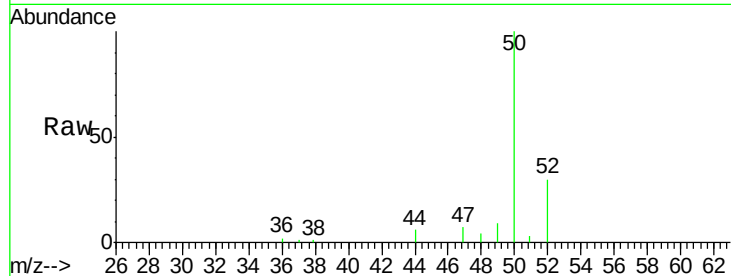
52 30.1 26.0 39.0

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#4

Vinyl Chloride

Concen: 20.498 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063078.D

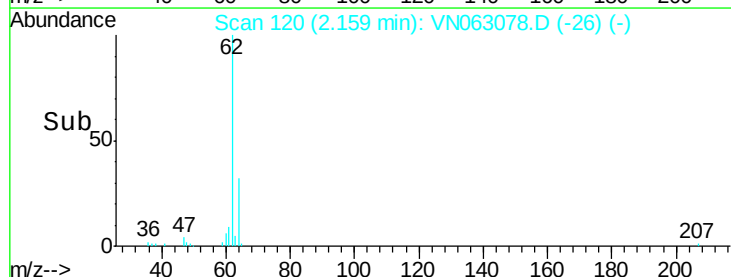
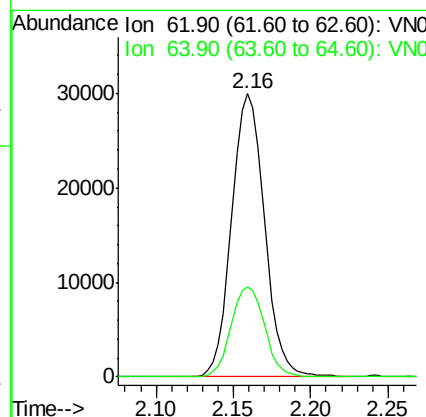
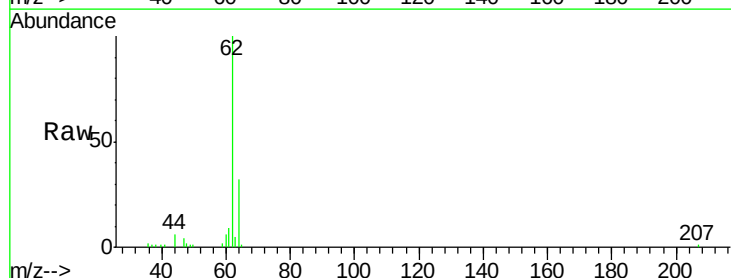
Acq: 21 Aug 2020 14:15

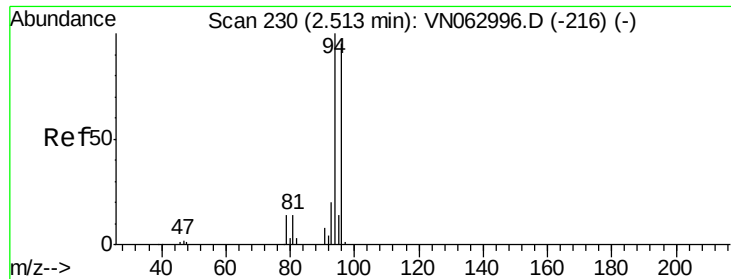
Tgt Ion: 62 Resp: 44147

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.2





#5

Bromomethane

Concen: 20.970 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.01 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

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Tot Ion: 94 Resp: 26807

Ion Ratio Lower Upper

94 100

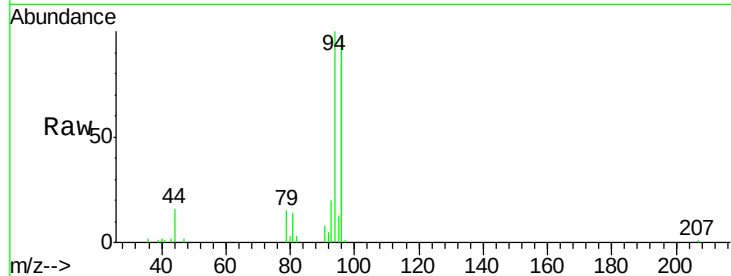
96 96.7 75.8 113.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

15000

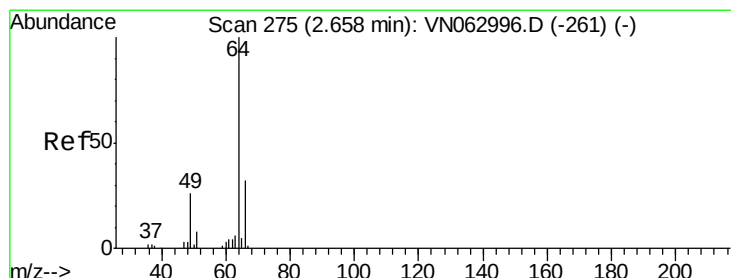
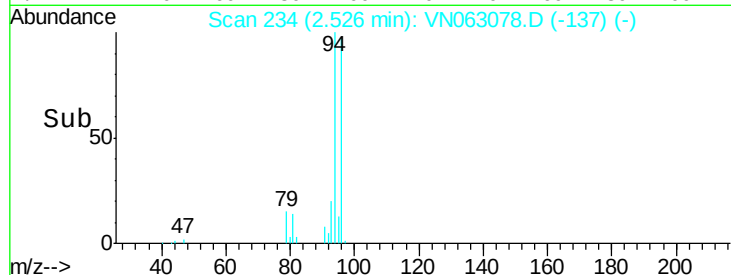
2.53

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.708 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.01 min

Lab File: VN063078.D

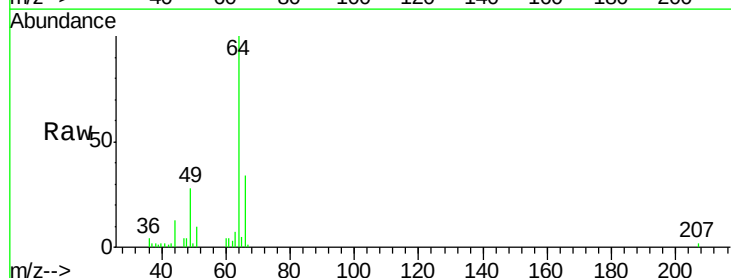
Acq: 21 Aug 2020 14:15

Tgt Ion: 64 Resp: 26332

Ion Ratio Lower Upper

64 100

66 33.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

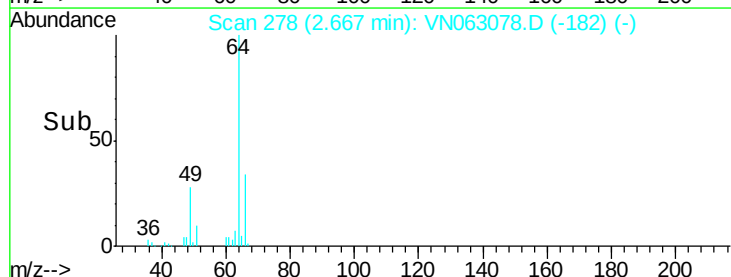
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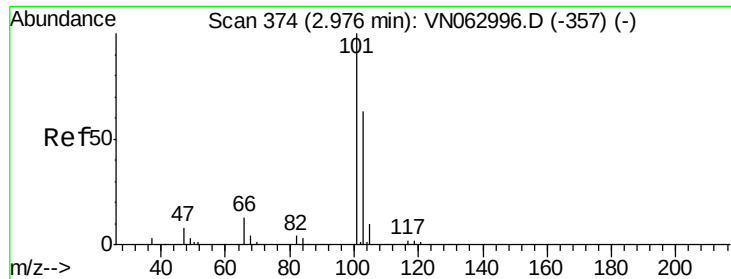
2.67

5000

0

Time-->





#7

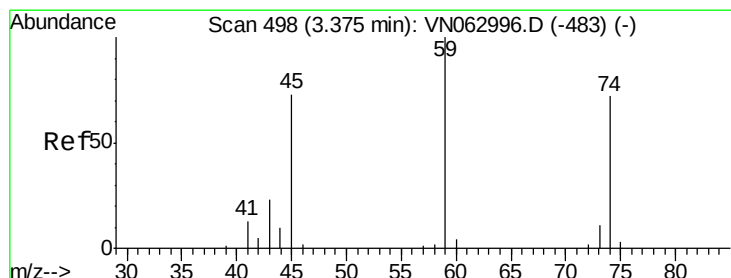
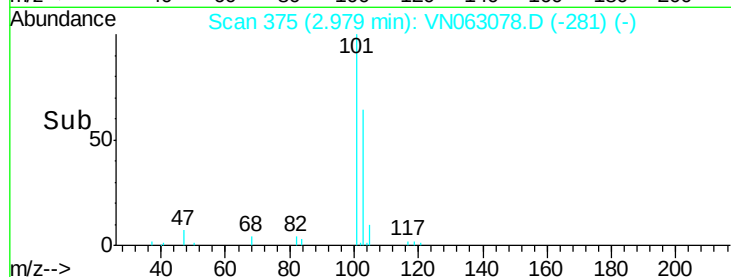
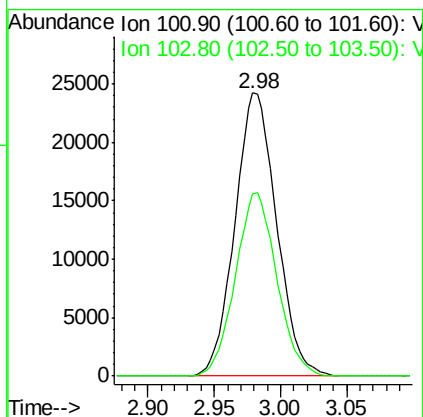
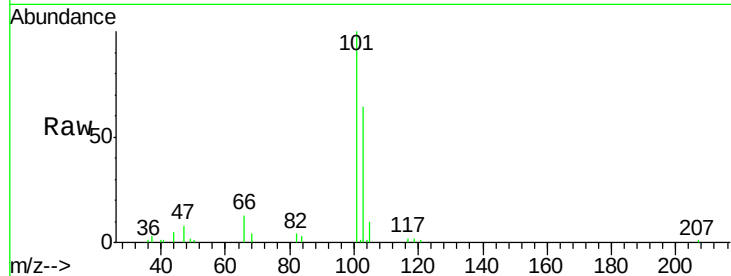
Trichlorofluoromethane
 Concen: 19.721 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
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 ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		52968		
103	64.2	50.5	75.7		

Manual Integrations
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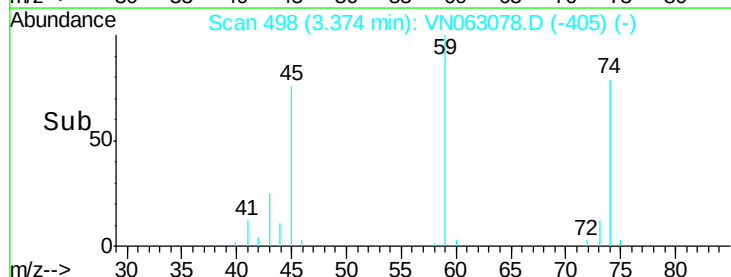
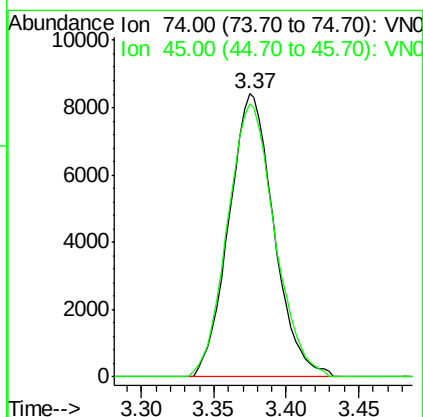
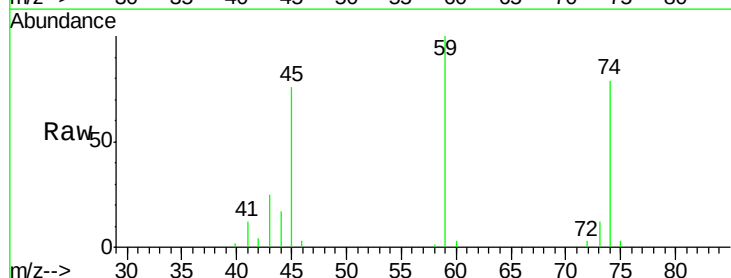
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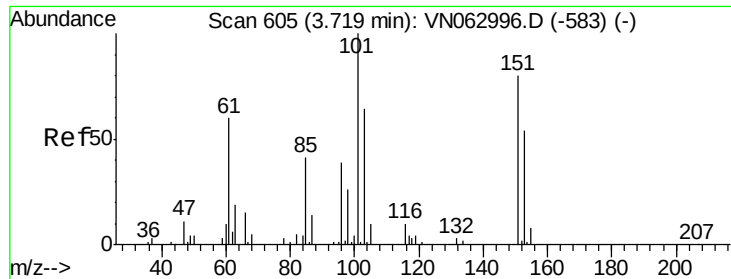


#8

Diethyl Ether
 Concen: 19.032 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		18084		
45	101.4	49.9	149.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.350 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

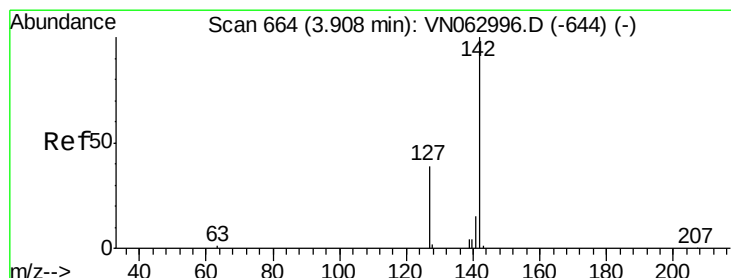
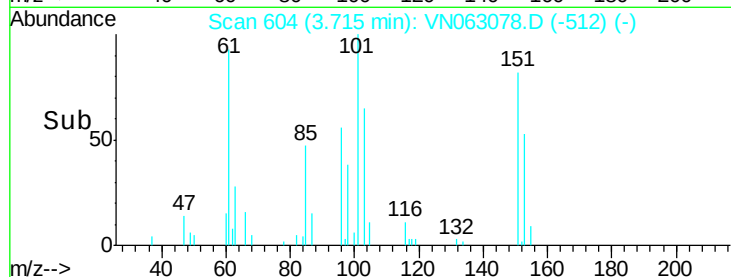
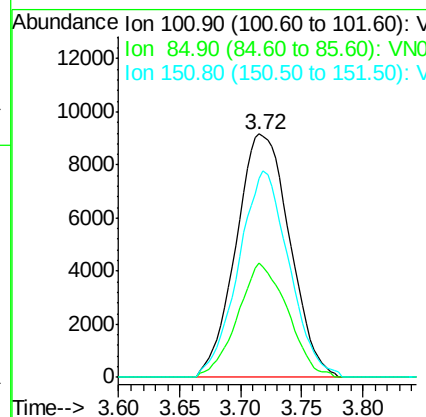
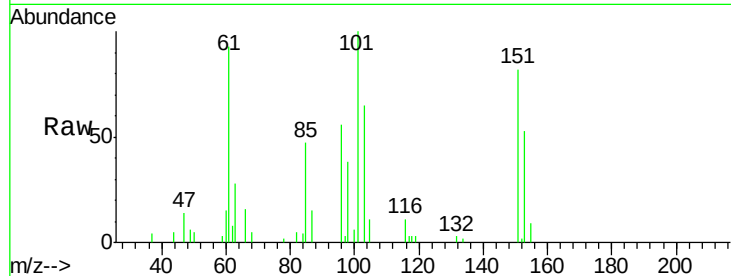
ClientSampleId :

VN0821WBSD02

Tot Ion:	101	Resp:	28005
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.0	51.0
151	79.8	65.8	98.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.196 ug/l

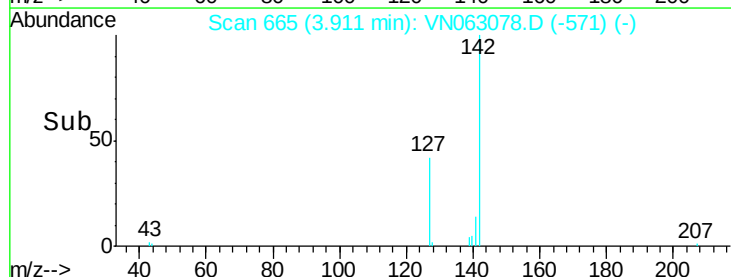
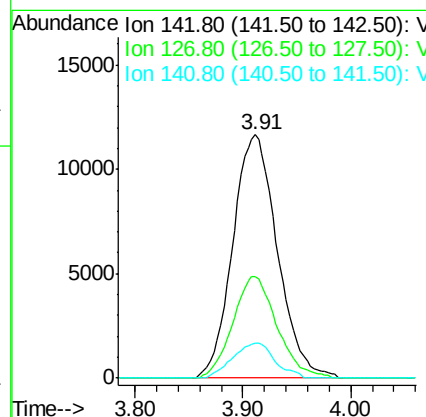
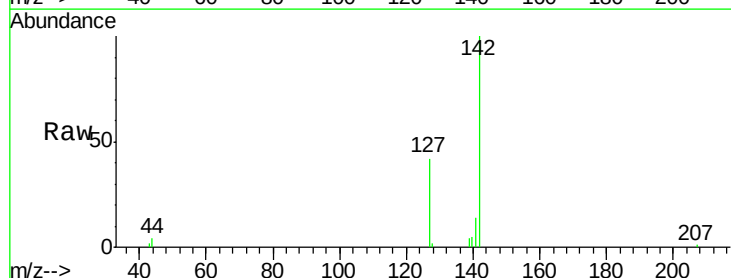
RT: 3.91 min Scan# 665

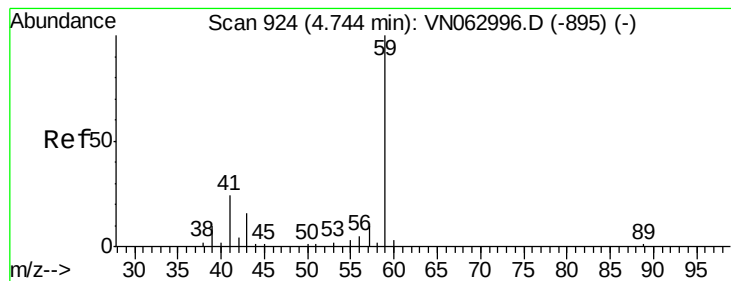
Delta R.T. 0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Tgt Ion:	142	Resp:	33381
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.2	48.4
141	13.7	11.3	16.9





#11

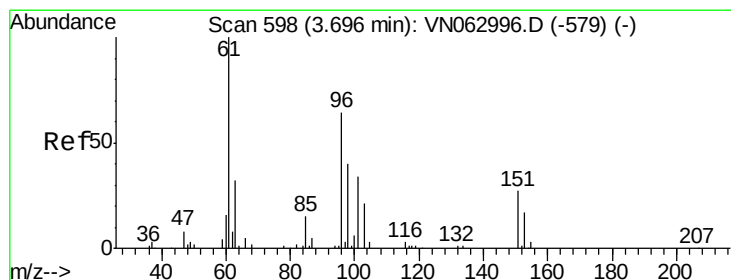
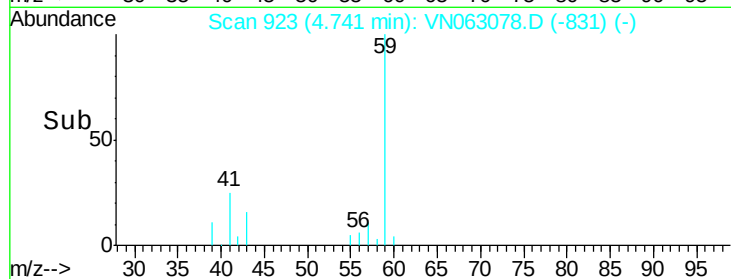
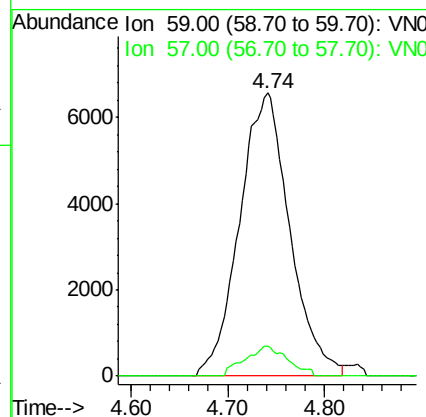
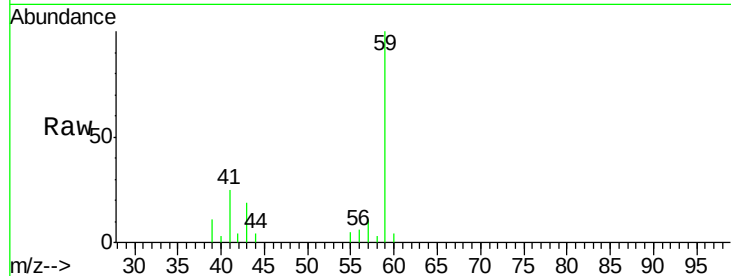
Tert butyl alcohol
 Concen: 87.024 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.8	11.6

Manual Integrations
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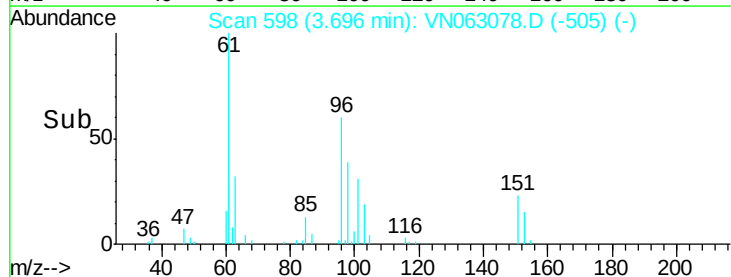
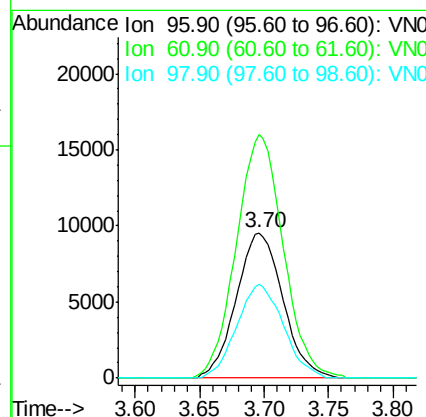
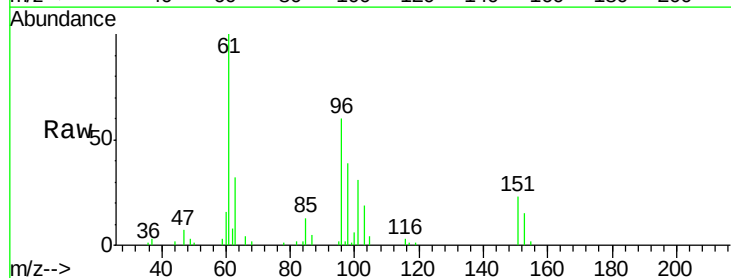
sam
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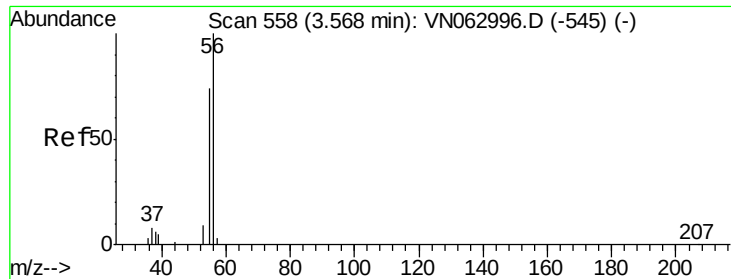


#12

1,1-Dichloroethene
 Concen: 17.414 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	125.5	188.3
98	64.7	50.4	75.6





#13

Acrolein

Concen: 53.054 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion: 56 Resp: 4532

Ion Ratio Lower Upper

56 100

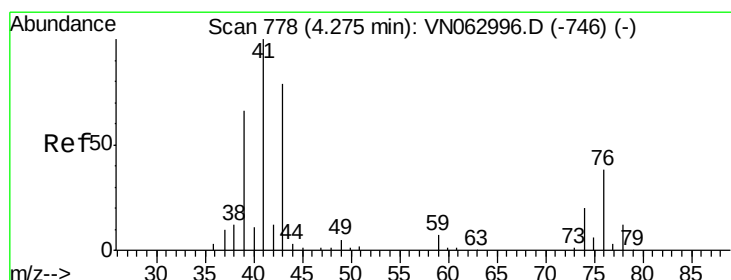
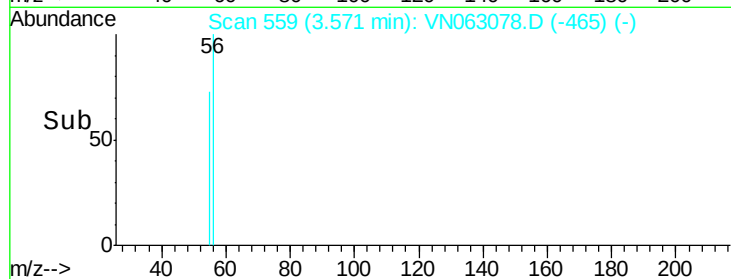
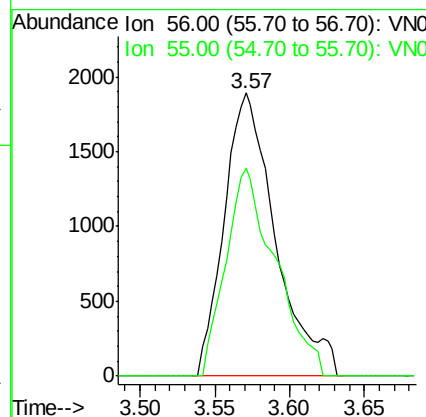
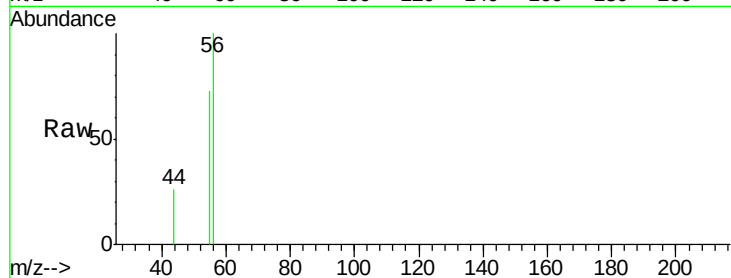
55 70.7 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 18.942 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

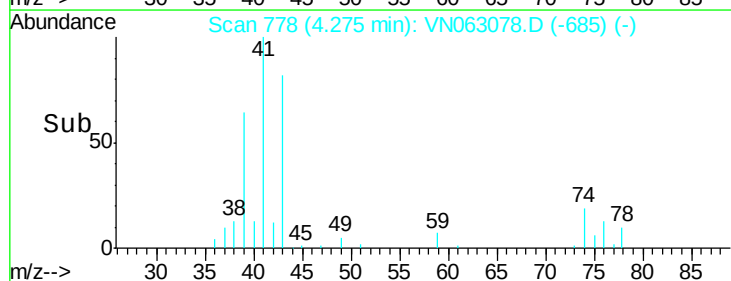
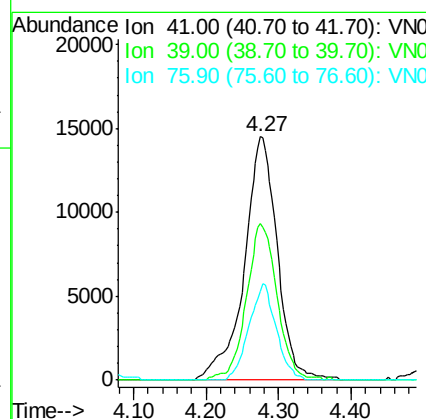
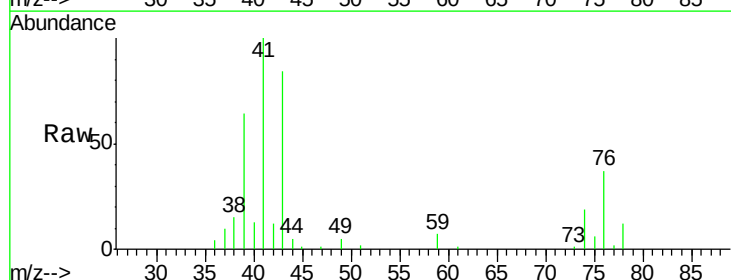
Tgt Ion: 41 Resp: 46048

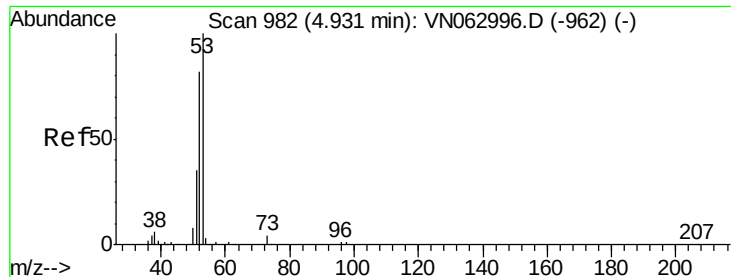
Ion Ratio Lower Upper

41 100

39 59.6 47.9 71.9

76 32.4 27.0 40.6





#15

Acrylonitrile

Concen: 99.993 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

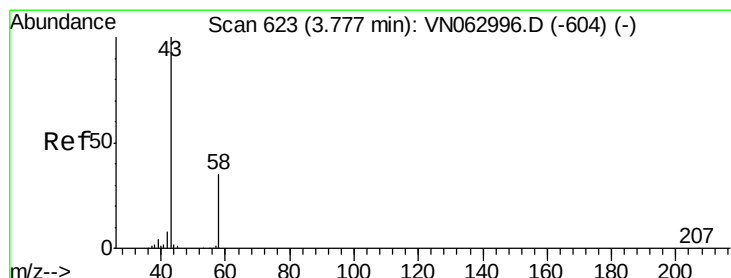
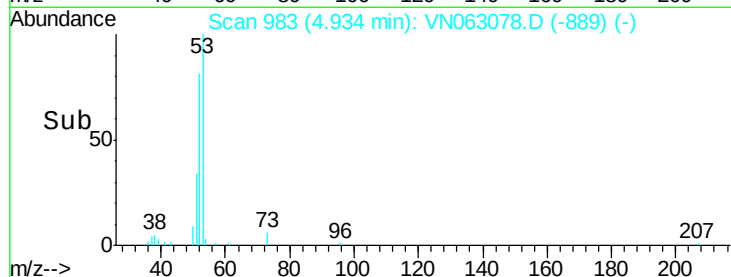
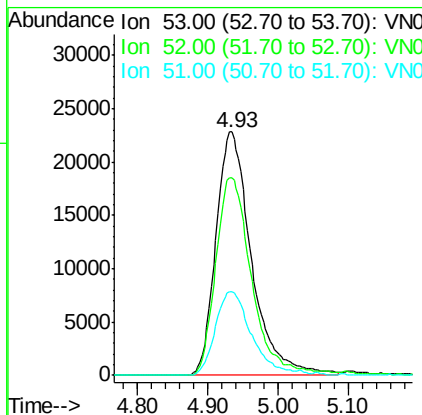
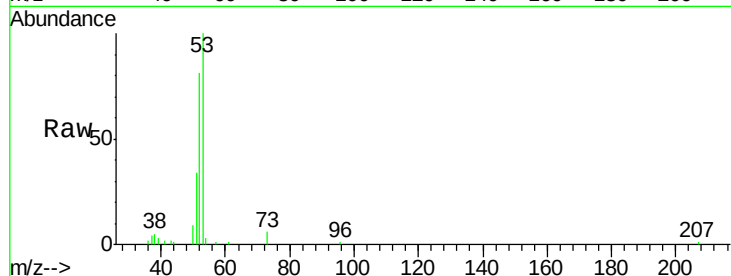
ClientSampleId :

VN0821WBSD02

Tot Ion:	53	Resp:	80138
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.6	98.4
51	34.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 103.409 ug/l

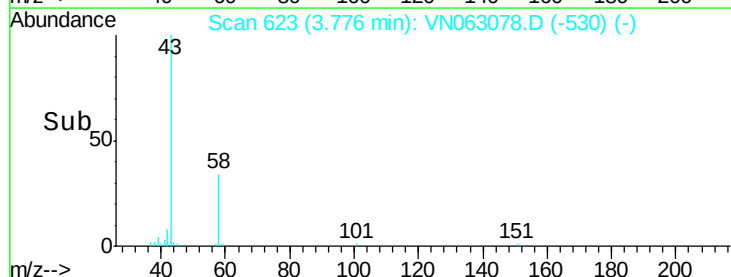
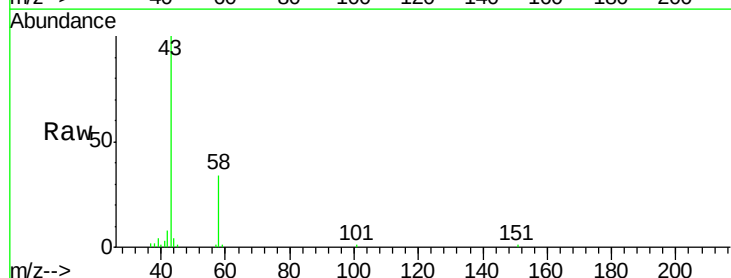
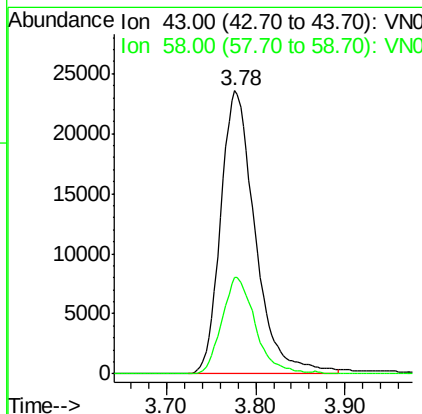
RT: 3.78 min Scan# 623

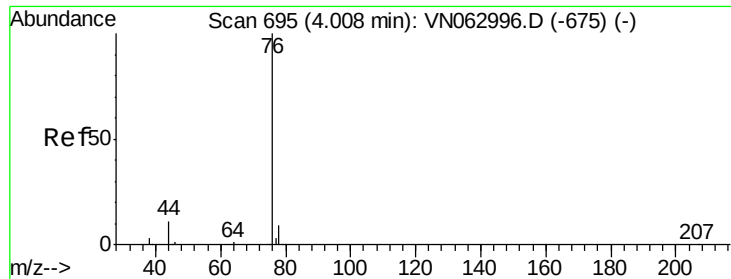
Delta R.T. 0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Tgt Ion:	43	Resp:	63457
Ion Ratio	Lower	Upper	
43	100		
58	34.0	27.8	41.6





#17

Carbon Disulfide

Concen: 17.519 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion: 76 Resp: 63257

Ion Ratio Lower Upper

76 100

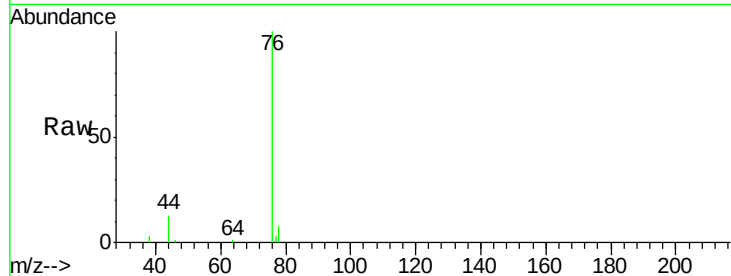
78 8.4 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

25000

20000

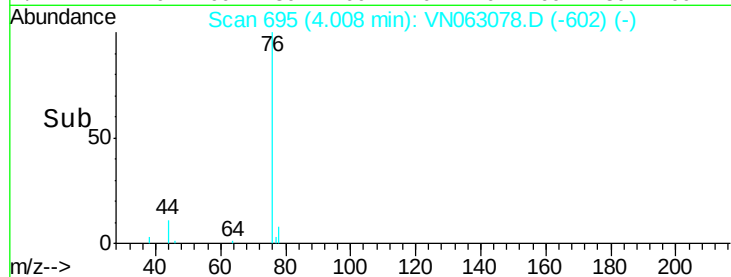
15000

10000

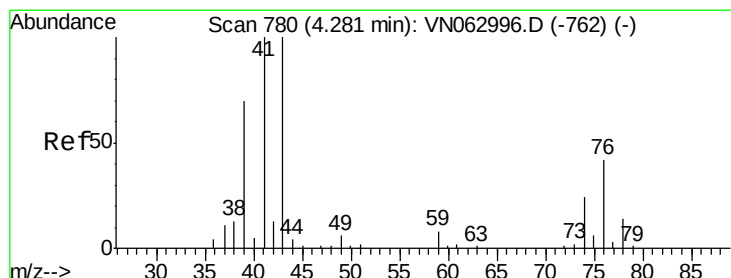
5000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 20.528 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN063078.D

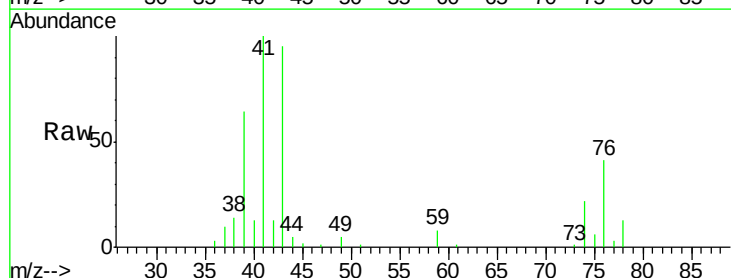
Acq: 21 Aug 2020 14:15

Tgt Ion: 43 Resp: 39271

Ion Ratio Lower Upper

43 100

74 21.0 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

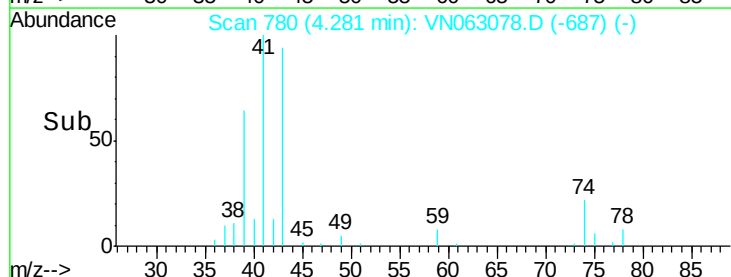
15000

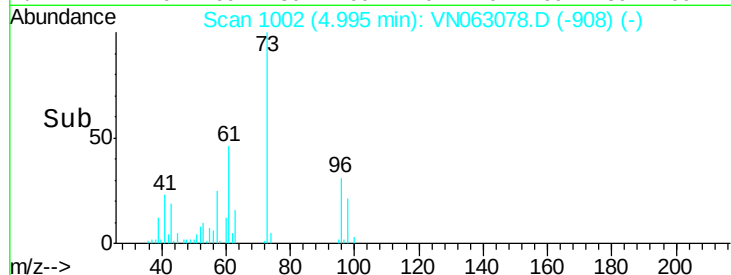
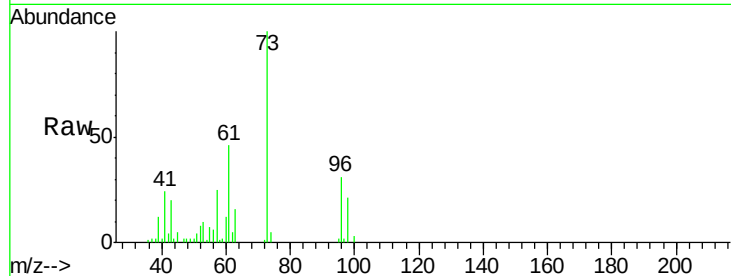
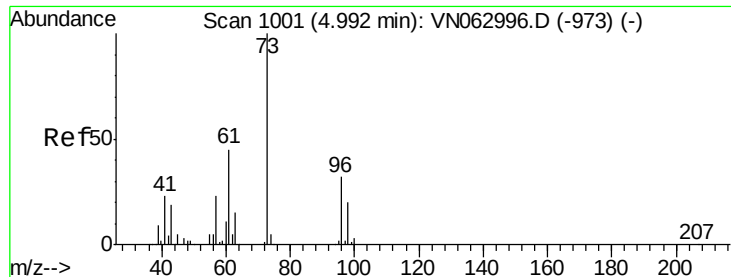
10000

5000

0

Time-->





#19

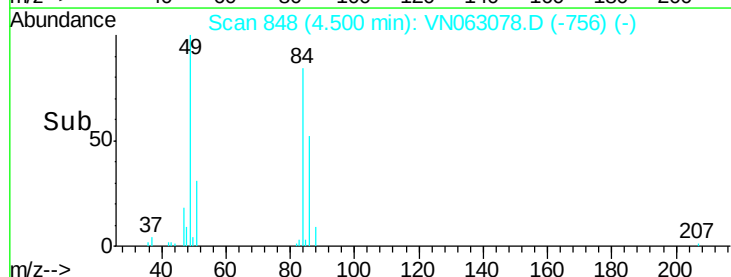
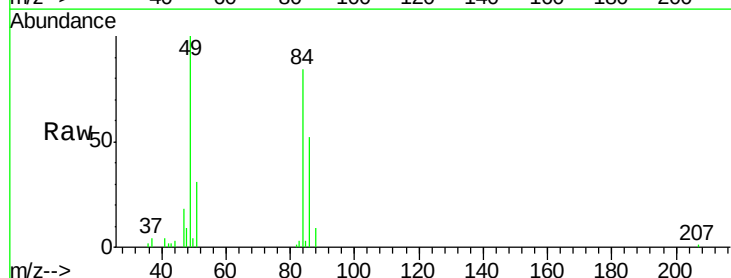
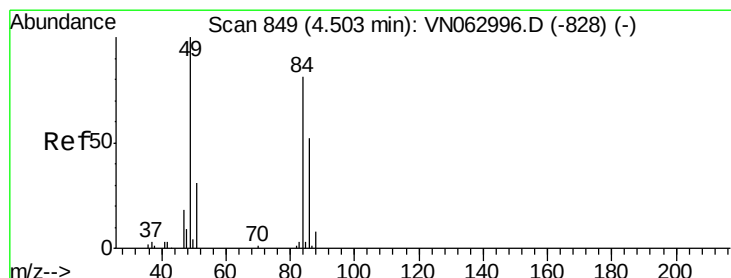
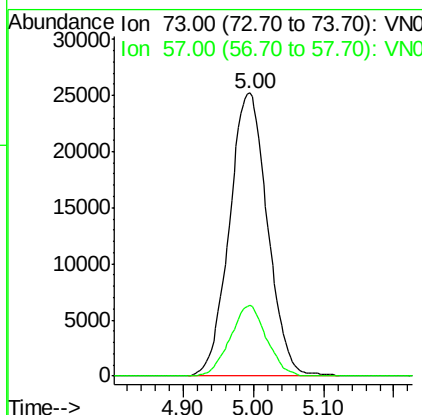
Methyl tert-butyl Ether
Concen: 19.753 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tot Ion	73	Resp	94976
Ion Ratio	100	Lower	Upper
57	24.9	18.1	27.1

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Manual Integrations
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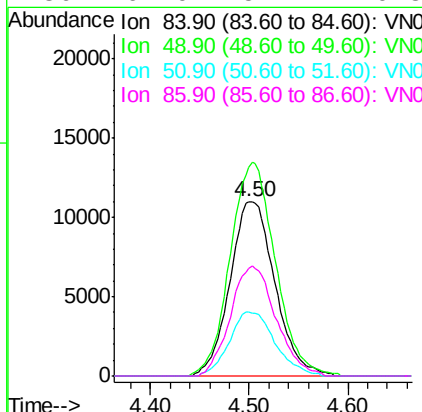
sam
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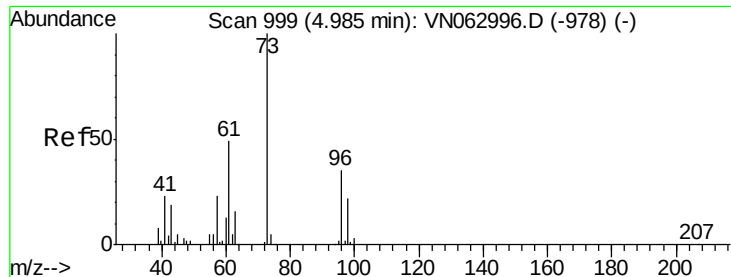


#20

Methylene Chloride
Concen: 19.728 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion	84	Resp	34855
Ion Ratio	100	Lower	Upper
49	119.4	98.7	148.1
51	36.5	30.8	46.2
86	62.0	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 18.161 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

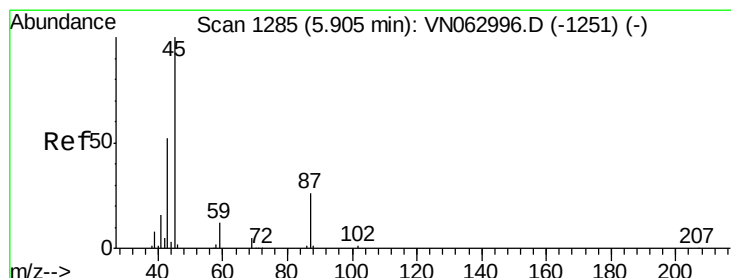
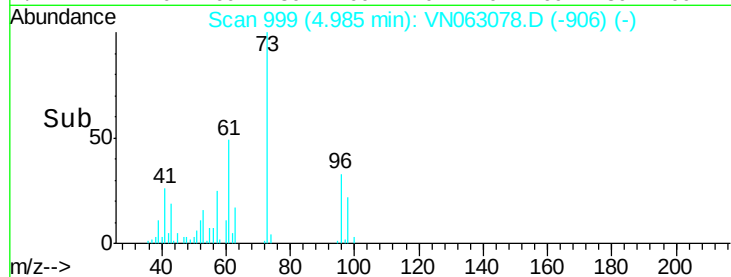
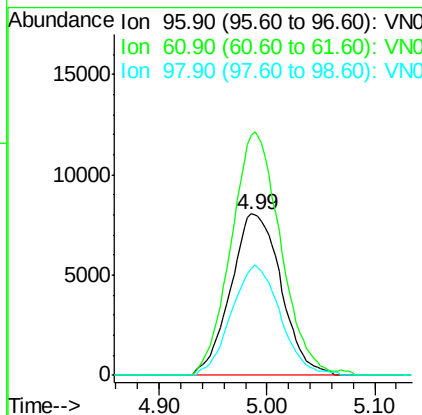
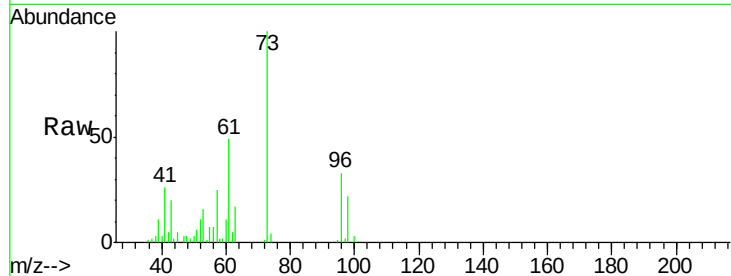
ClientSampleId :

VN0821WBSD02

Tot Ion:	96	Resp:	26203
Ion	Ratio	Lower	Upper
96	100		
61	148.7	112.5	168.7
98	66.1	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.722 ug/l

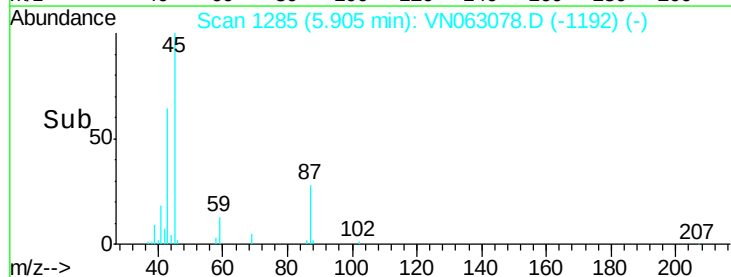
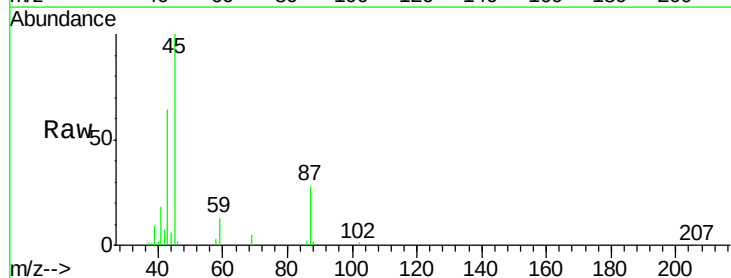
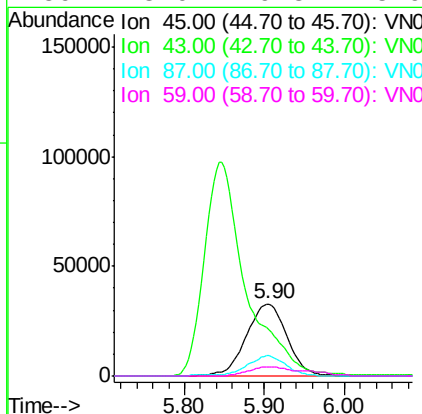
RT: 5.90 min Scan# 1285

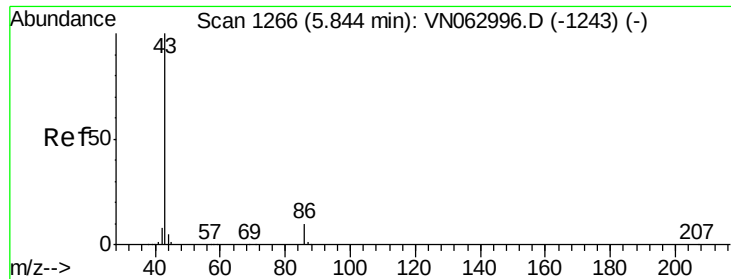
Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Tgt Ion:	45	Resp:	114313
Ion	Ratio	Lower	Upper
45	100		
43	60.3	45.7	68.5
87	27.9	21.8	32.6
59	13.0	9.3	13.9





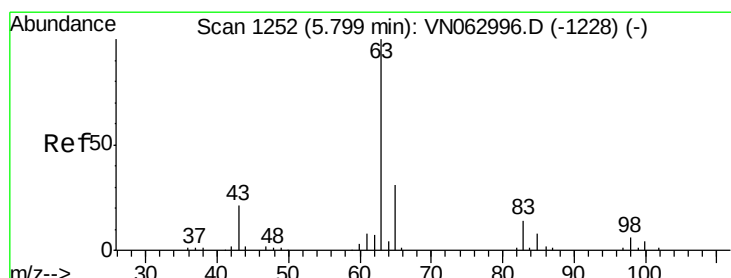
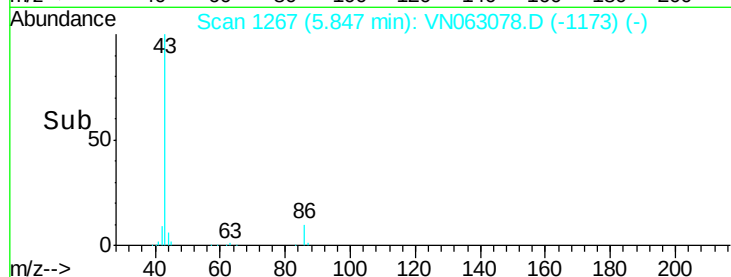
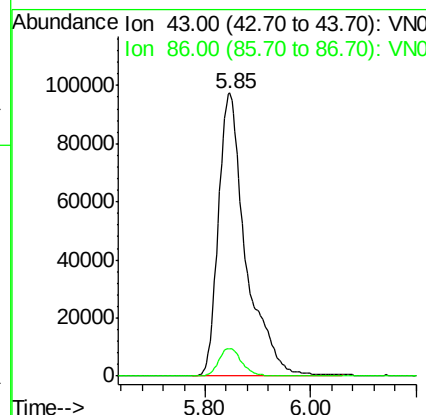
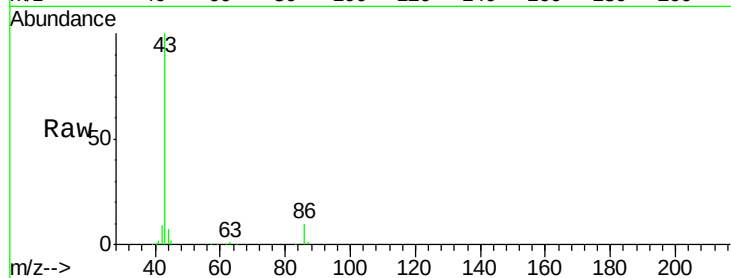
#23
 Vinyl Acetate
 Concen: 94.780 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.0	12.0

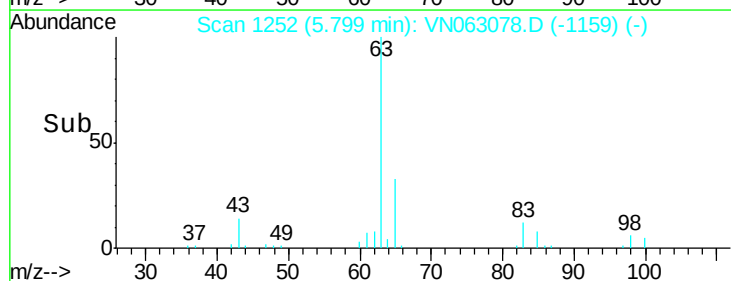
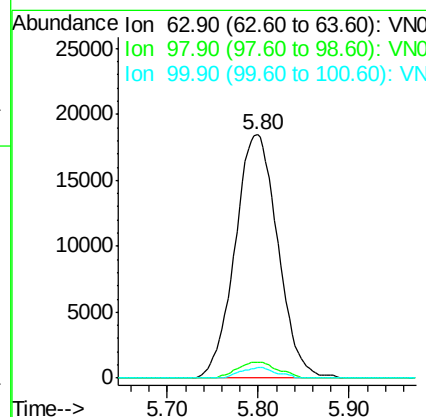
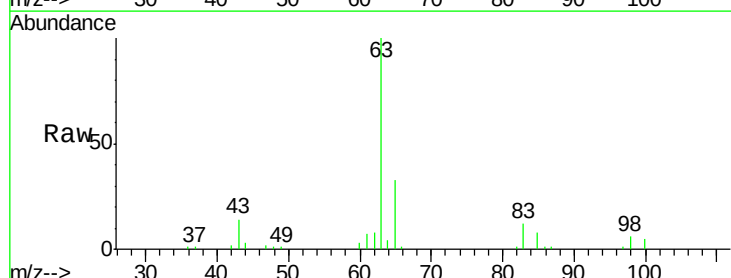
Manual Integrations
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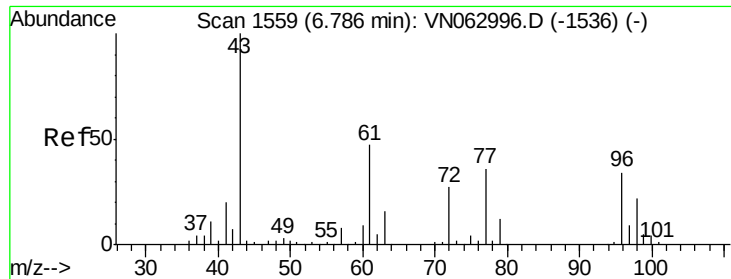
sam
 8/24/2020 5:52:25 PM



#24
 1,1-Dichloroethane
 Concen: 19.540 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.9	8.7
100	4.5	2.0	5.8





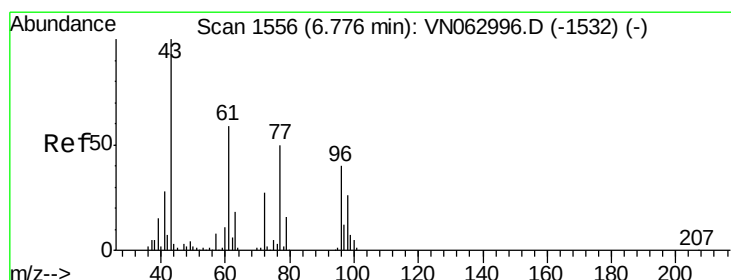
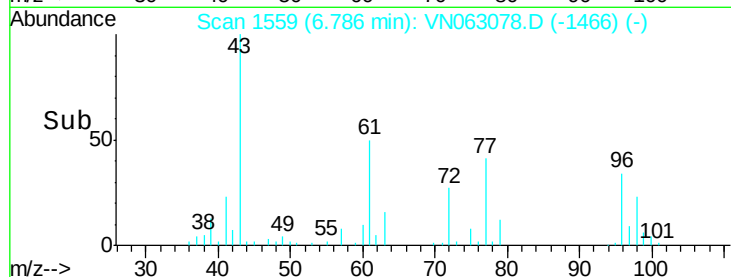
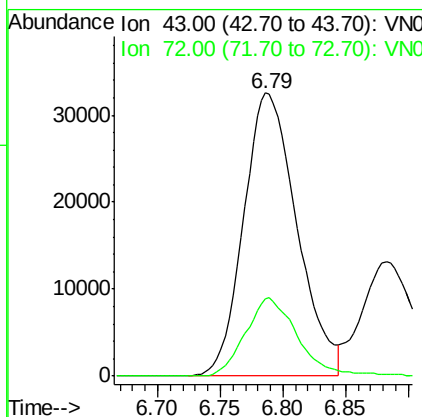
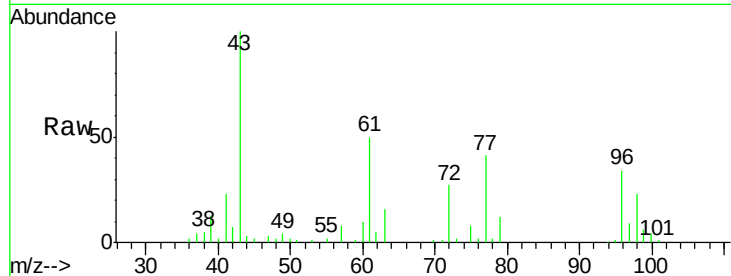
#25
2-Butanone
Concen: 94.399 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion: 43 Resp: 96477
Ion Ratio Lower Upper
43 100
72 27.4 21.8 32.6

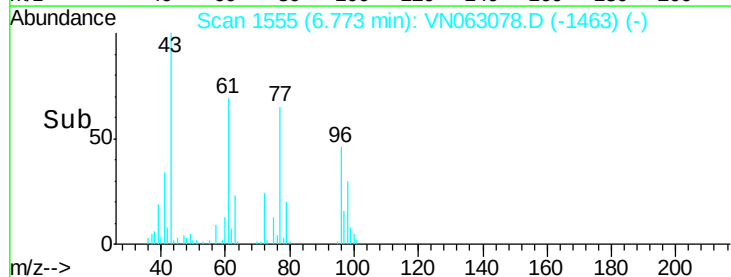
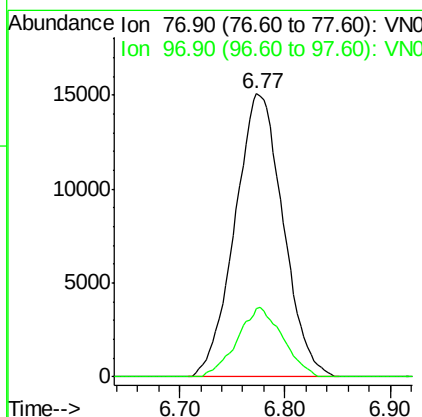
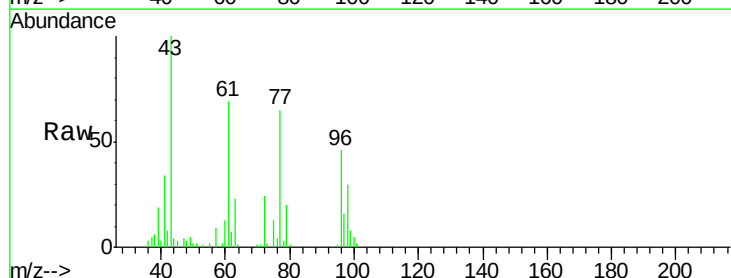
Manual Integrations
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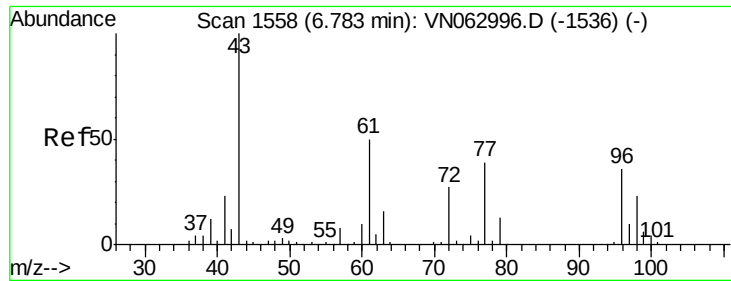
sam
8/24/2020 5:52:25 PM



#26
2,2-Dichloropropane
Concen: 19.741 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion: 77 Resp: 47857
Ion Ratio Lower Upper
77 100
97 23.1 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 18.803 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

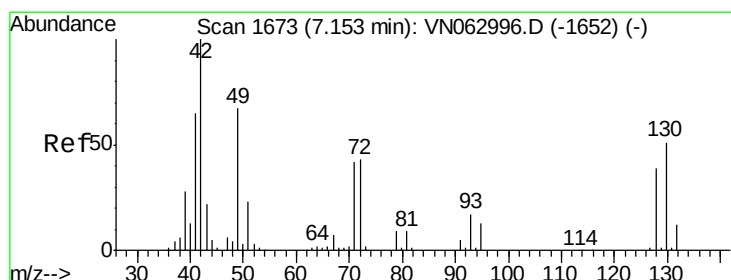
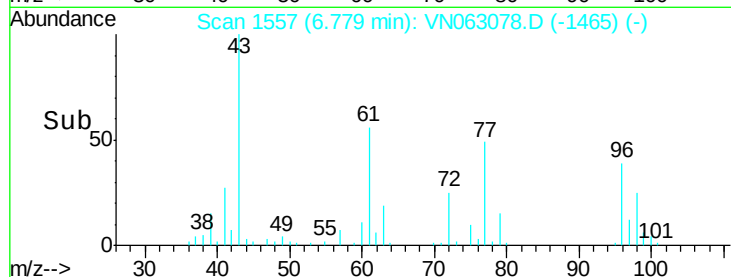
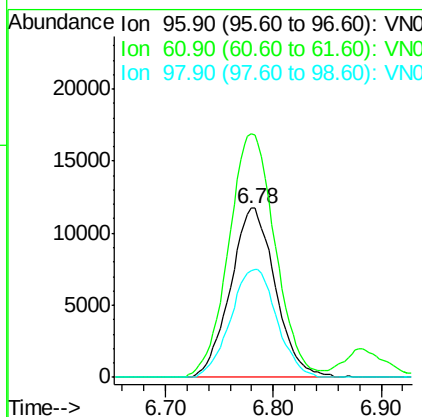
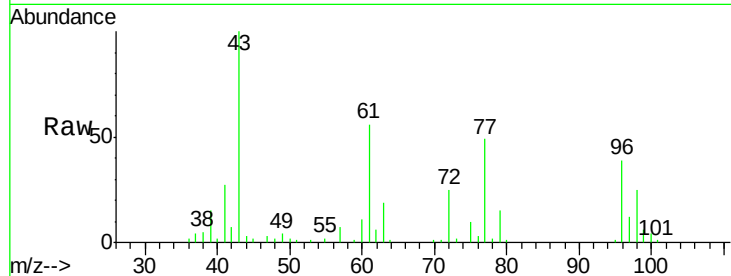
ClientSampleId :

VN0821WBSD02

Tot Ion:	96	Resp:	34004
Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	292.8
98	65.3	0.0	130.6

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#28

Bromochloromethane

Concen: 19.269 ug/l

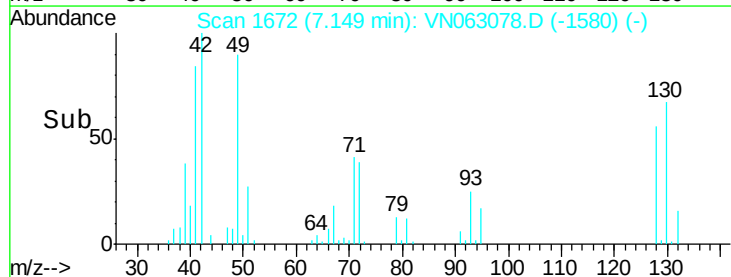
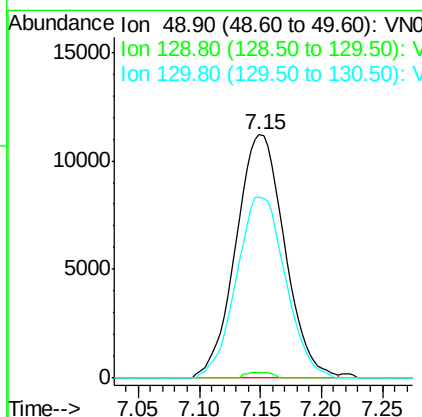
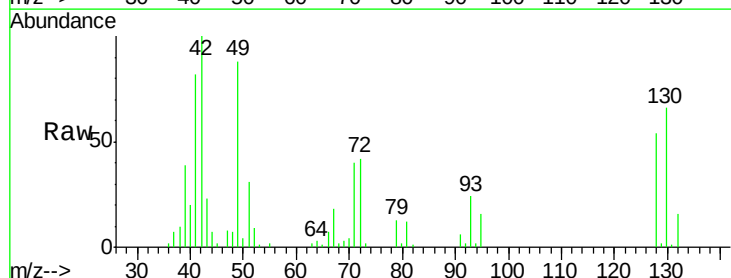
RT: 7.15 min Scan# 1672

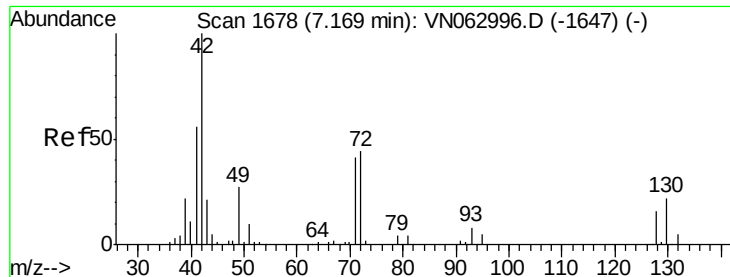
Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Tgt Ion:	49	Resp:	31079
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.6
130	74.6	61.1	91.7





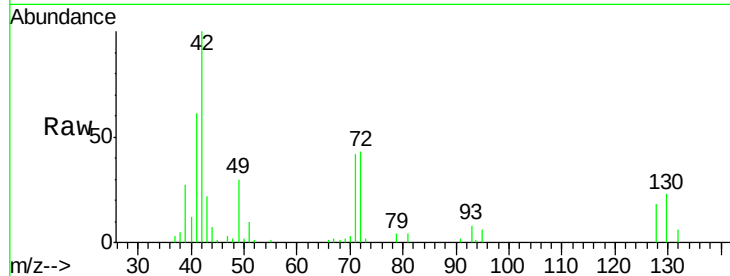
#29
Tetrahydrofuran
Concen: 97.630 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.6	52.0
71	40.1	32.3	48.5

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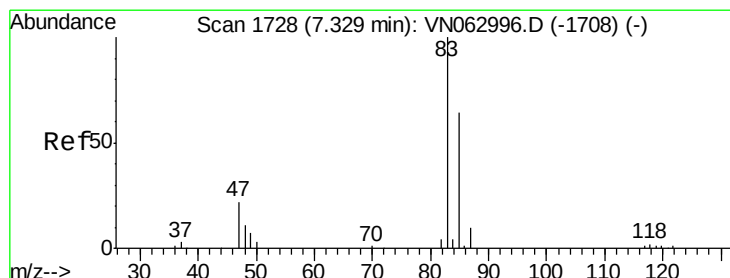
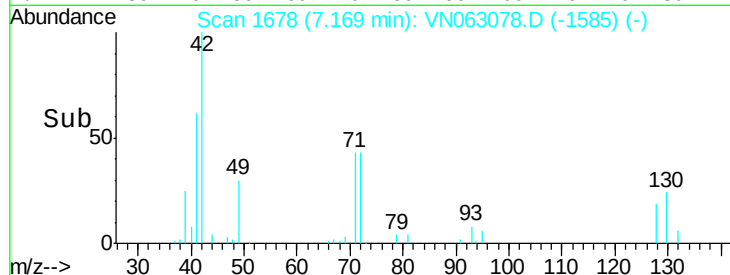
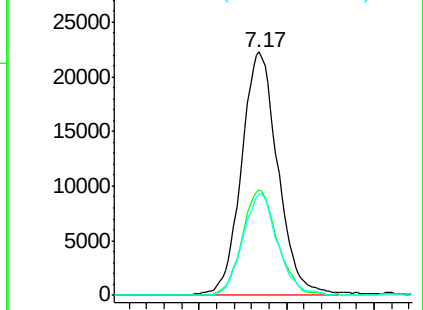


Abundance

Ion 42.00 (41.70 to 42.70): VN0

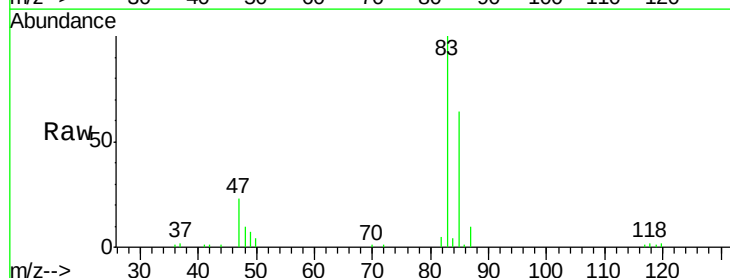
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30
Chloroform
Concen: 19.654 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

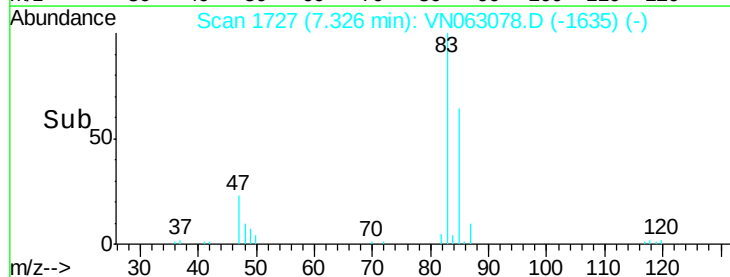
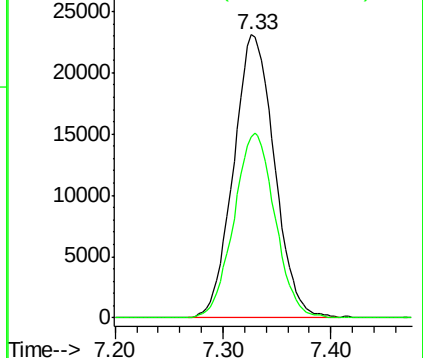
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3

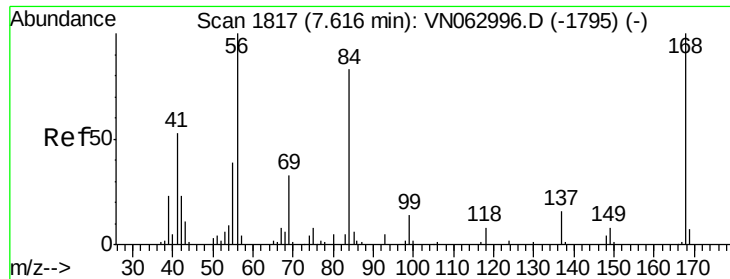


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





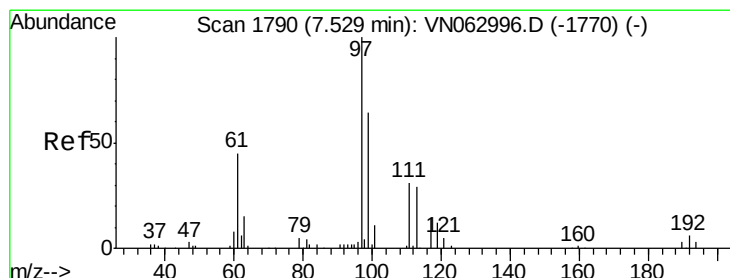
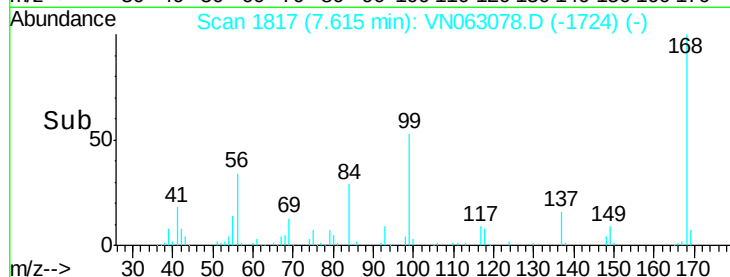
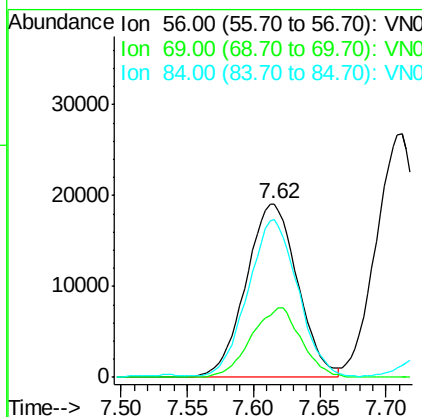
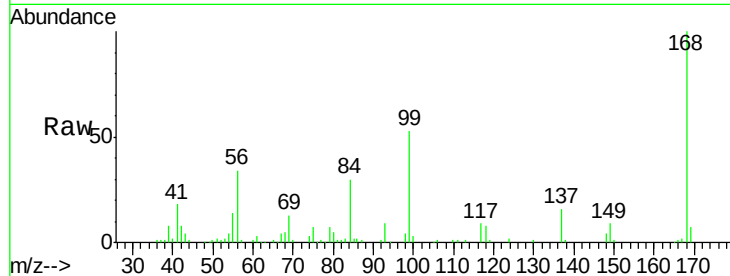
#31
Cyclohexane
Concen: 18.248 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	26.6	40.0
84	89.4	66.4	99.6

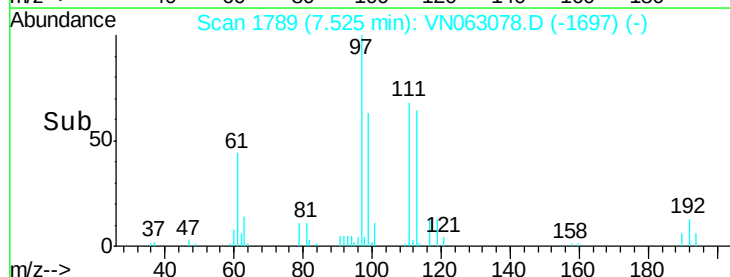
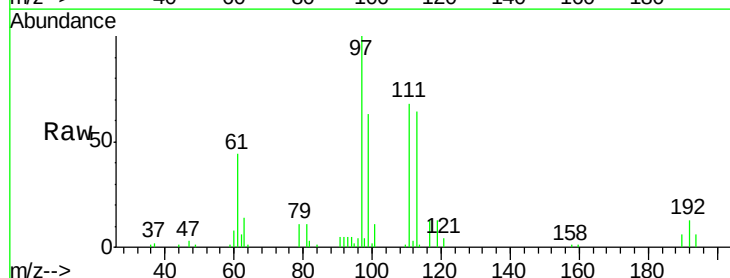
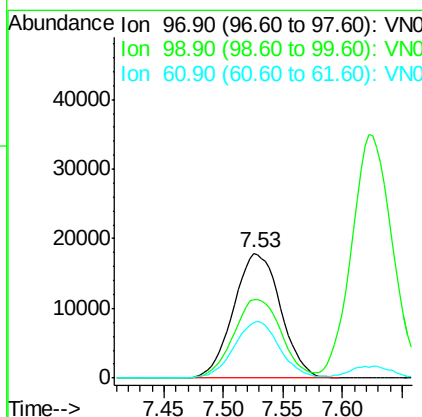
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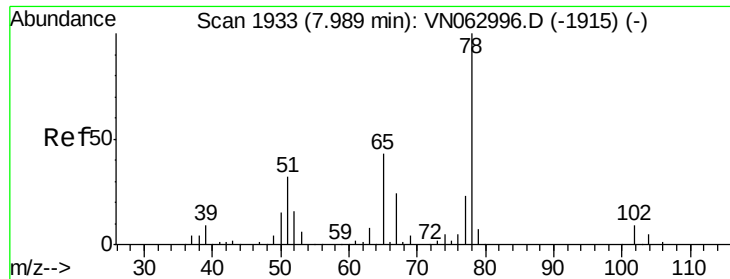
sam
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#32
1,1,1-Trichloroethane
Concen: 19.395 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	43.9	36.2	54.4





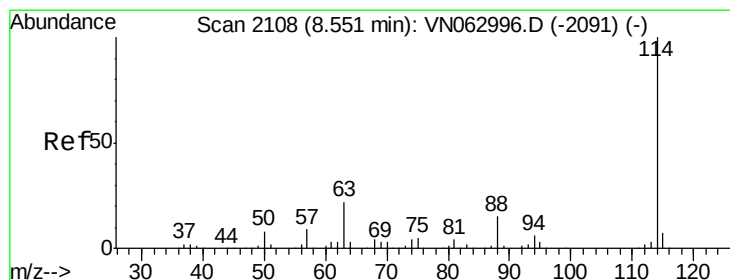
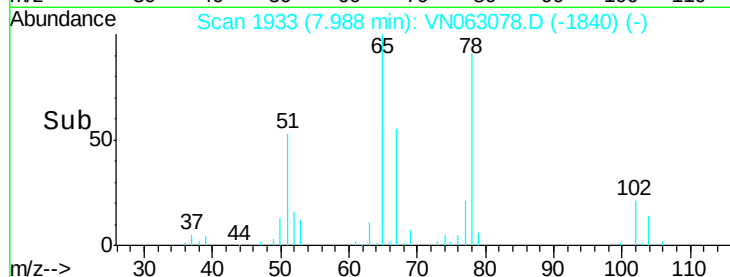
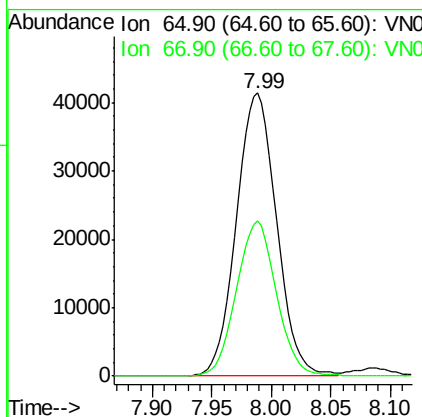
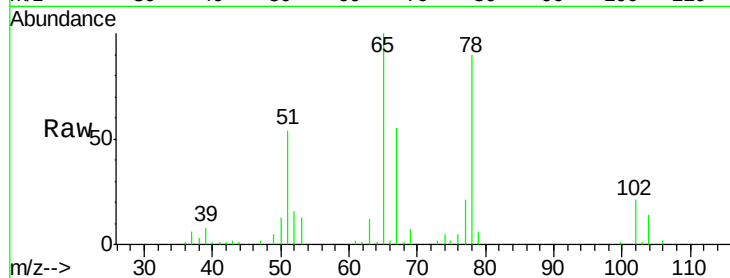
#33
 1,2-Dichloroethane-d4
 Concen: 50.390 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	112.0	

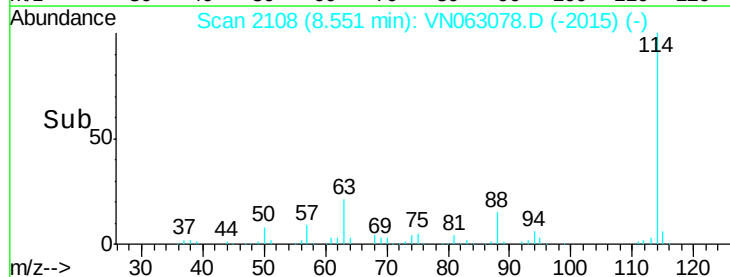
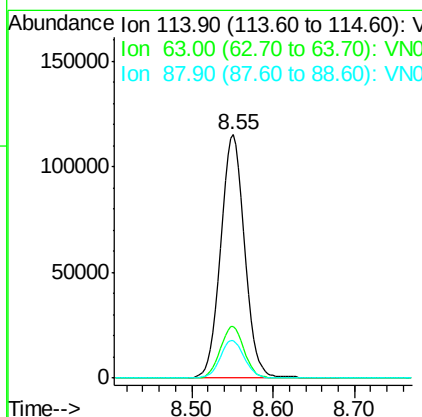
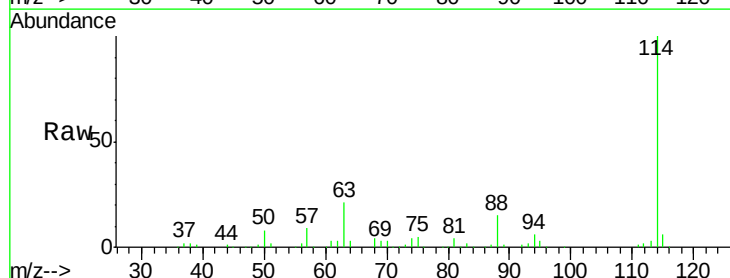
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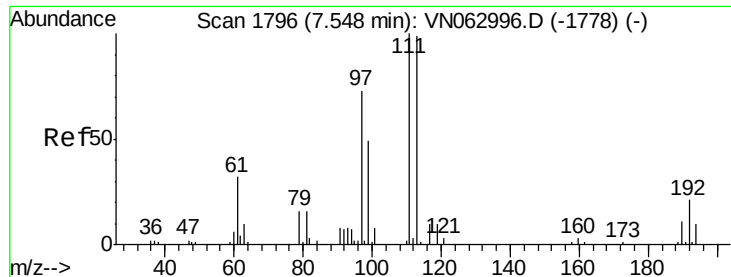
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.4	0.0	43.2	
88	15.4	0.0	30.6	





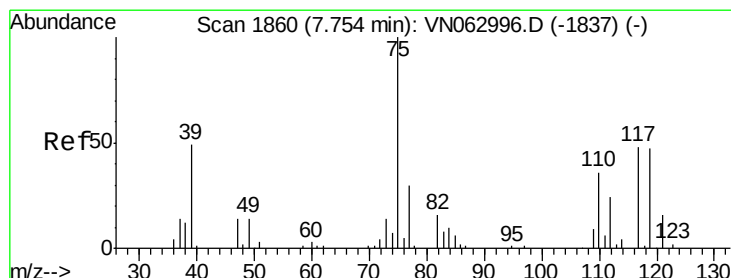
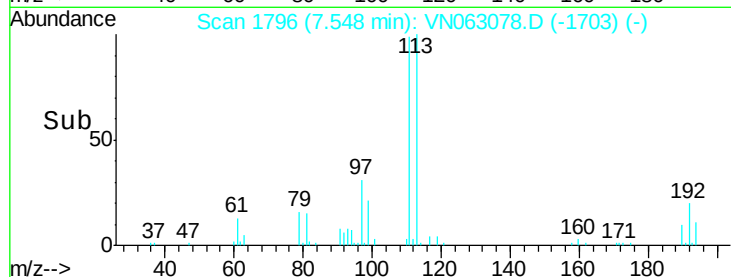
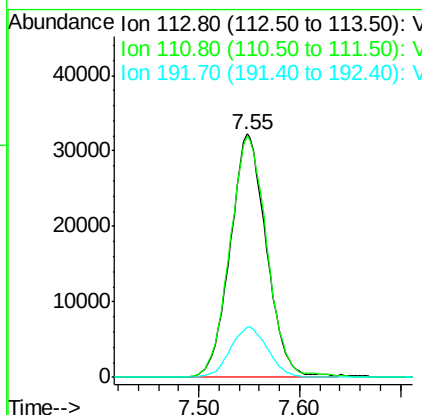
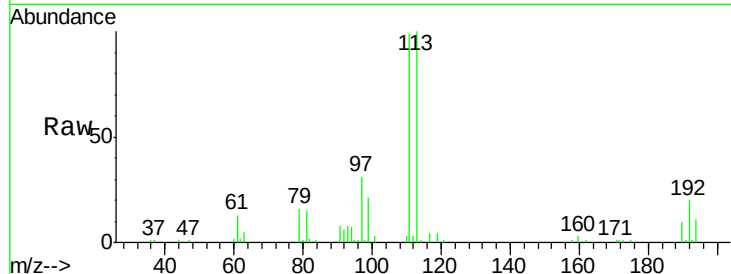
#35
 Dibromofluoromethane
 Concen: 51.301 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	80283		
111	101.7		81.7	122.5
192	21.3		17.5	26.3

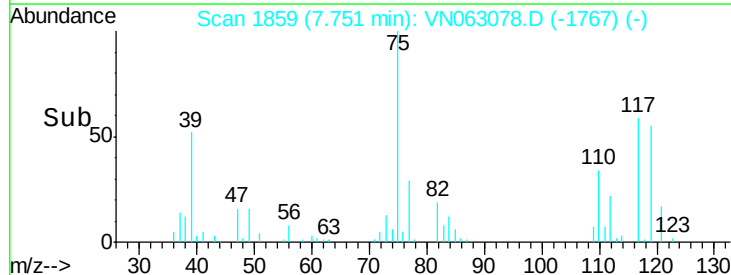
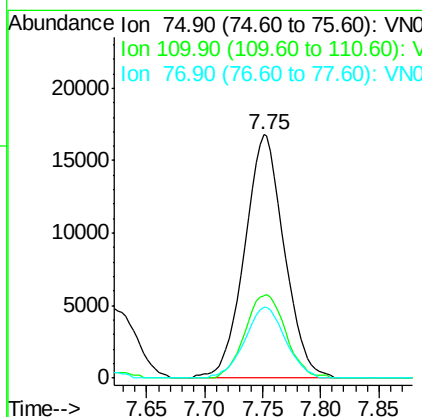
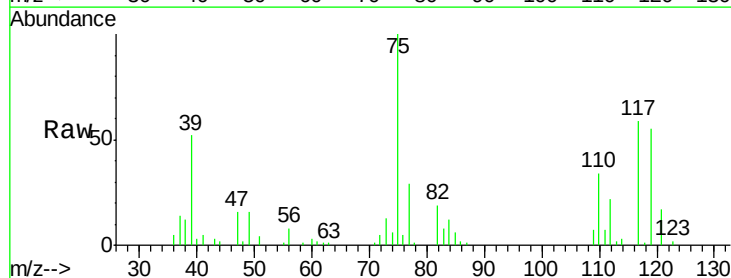
Manual Integrations
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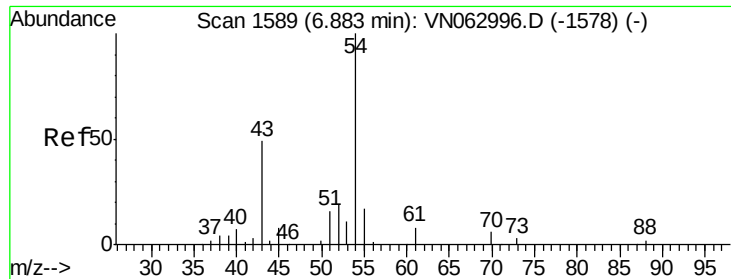
sam
 8/24/2020 5:52:25 PM



#36
 1,1-Dichloropropene
 Concen: 18.873 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	39945		
110	35.2		17.5	52.6
77	30.0		24.2	36.4





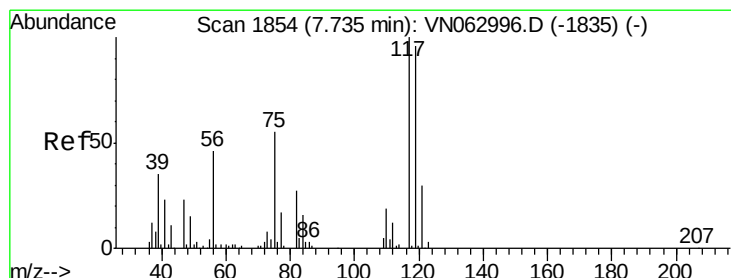
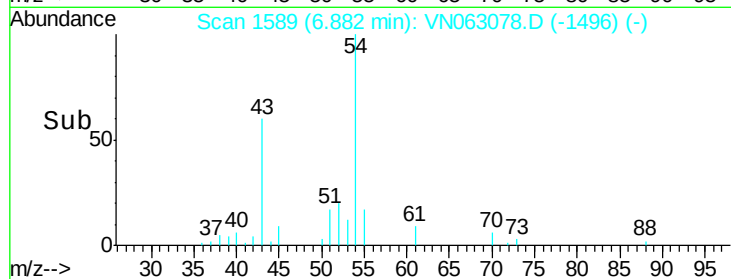
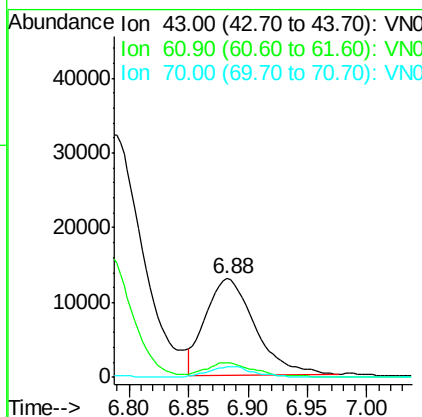
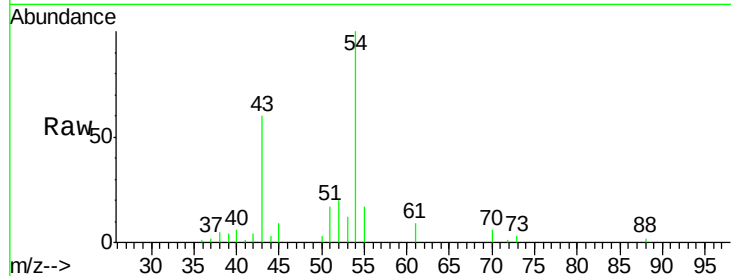
#37
Ethyl Acetate
Concen: 18.782 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion:	43	Resp:	37248
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.8
70	10.0	8.2	12.2

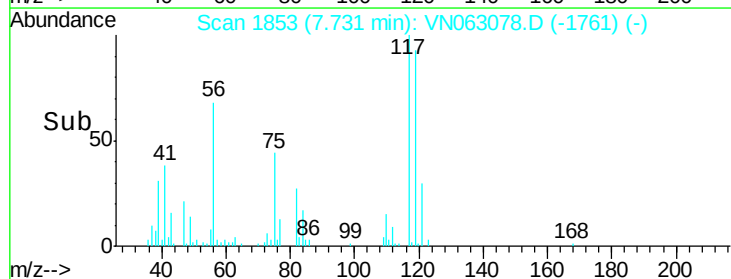
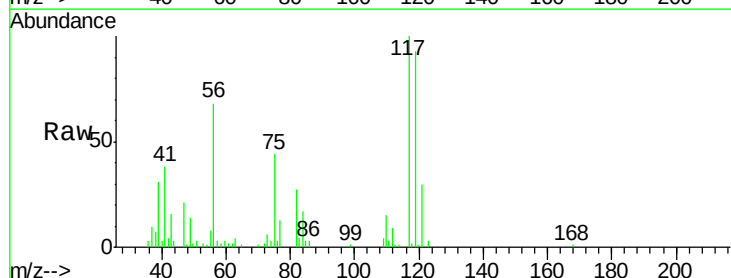
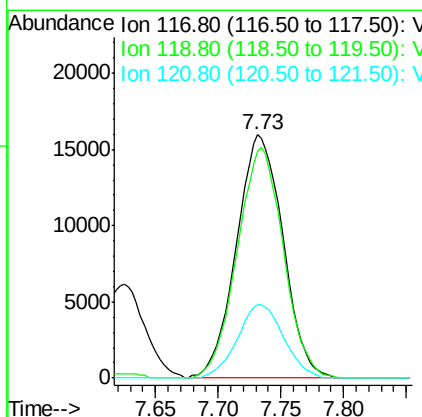
Manual Integrations
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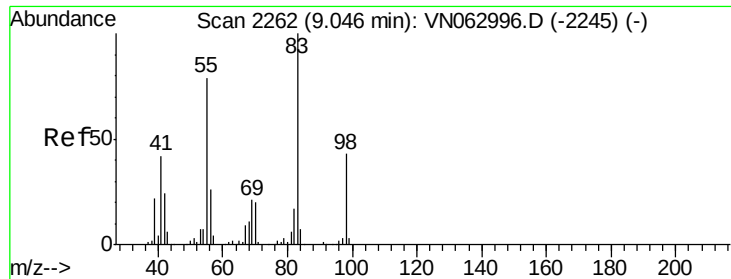
sam
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#38
Carbon Tetrachloride
Concen: 19.280 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion:	117	Resp:	41198
Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.2	114.4
121	30.3	24.2	36.2





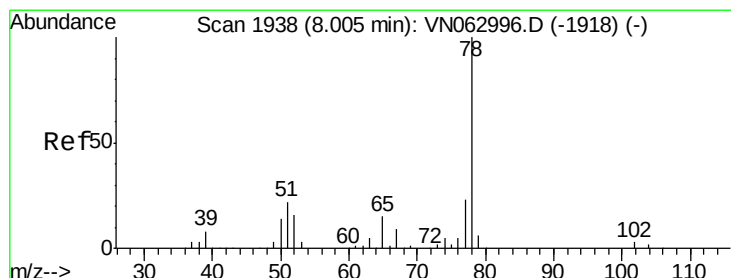
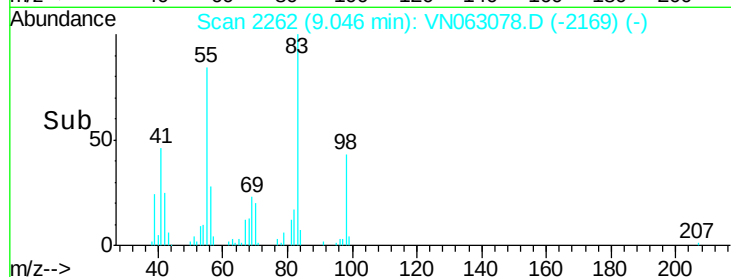
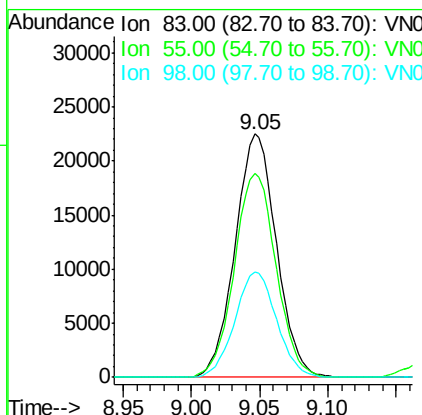
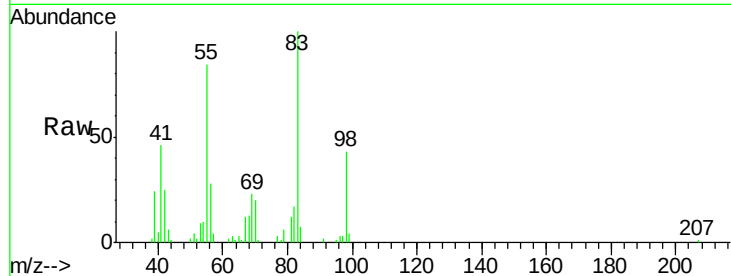
#39
Methylvlcyclohexane
Concen: 17.574 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	83	Resp	47230
Ion Ratio	Lower	Upper	
83	100		
55	83.7	63.3	94.9
98	43.3	34.2	51.4

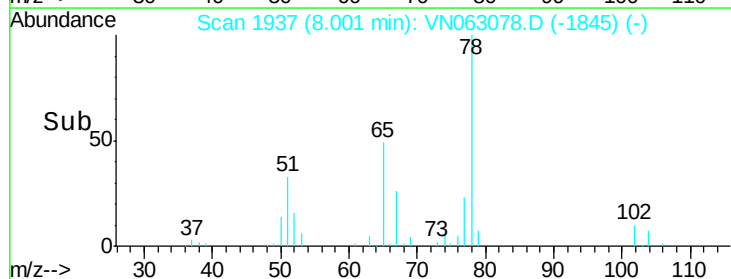
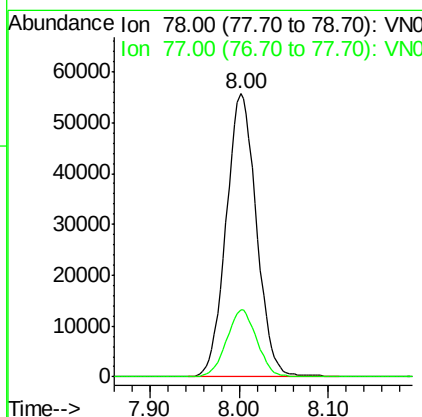
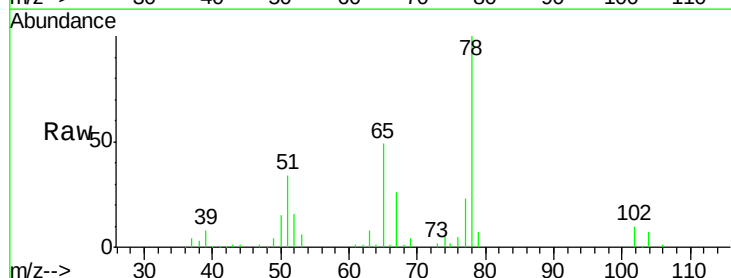
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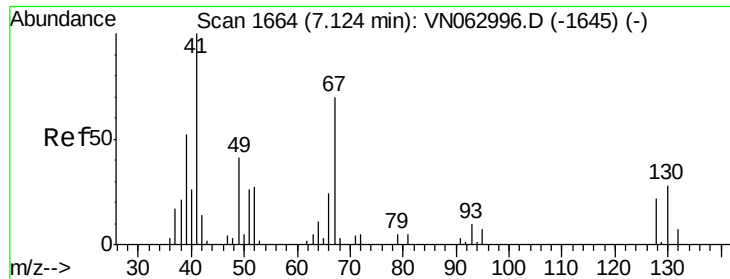
sam
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#40
Benzene
Concen: 19.563 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion	78	Resp	131326
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.8	28.2





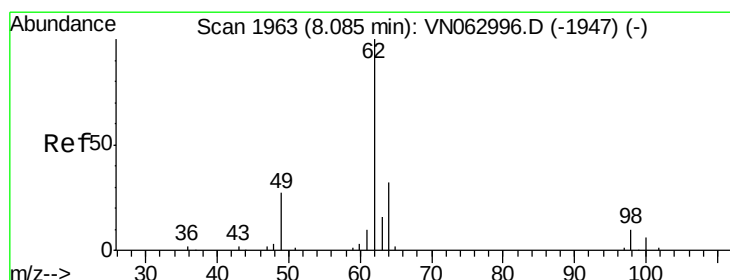
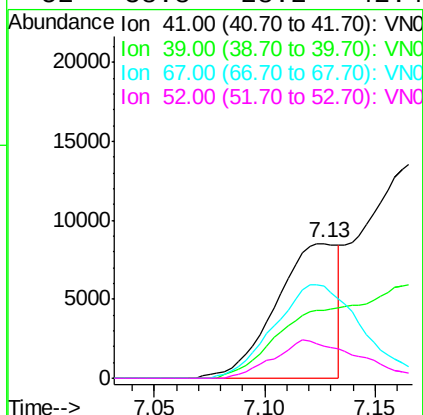
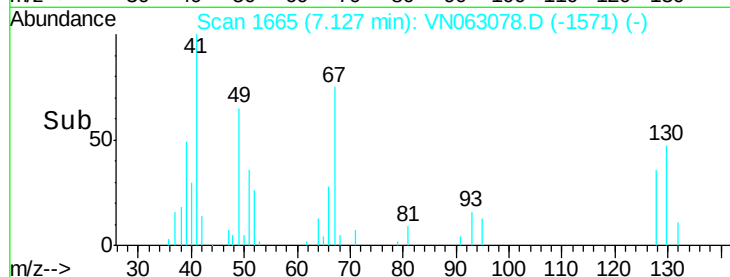
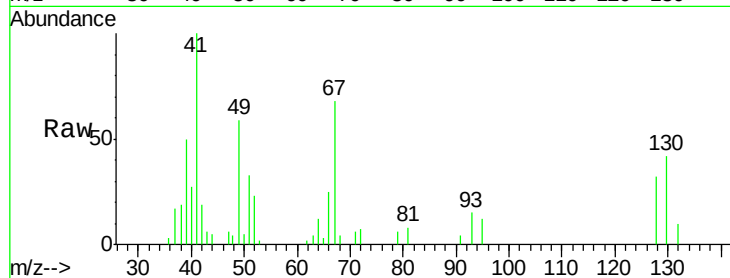
#41
Methacrylonitrile
Concen: 17.640 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		16668		
39	0.0		41.6	62.4#	
67	99.6		71.8	107.8	
52	38.8		28.2	42.4	

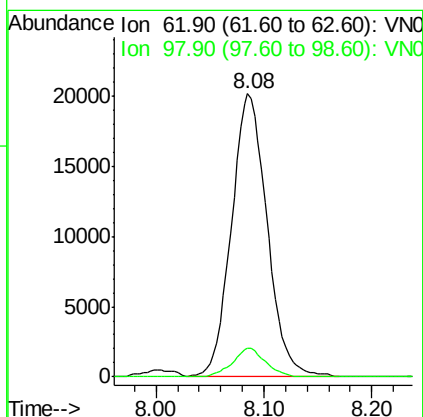
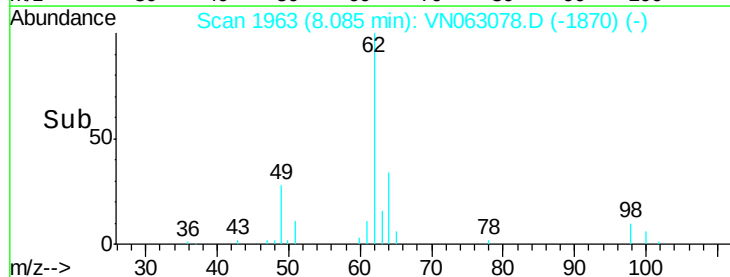
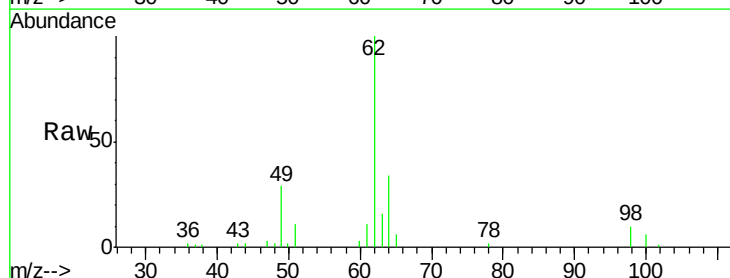
Manual Integrations
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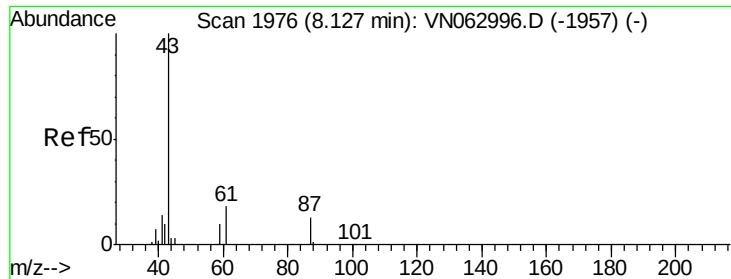
sam
8/24/2020 5:52:25 PM



#42
1,2-Dichloroethane
Concen: 20.621 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		46479		
98	9.3		0.0	18.4	





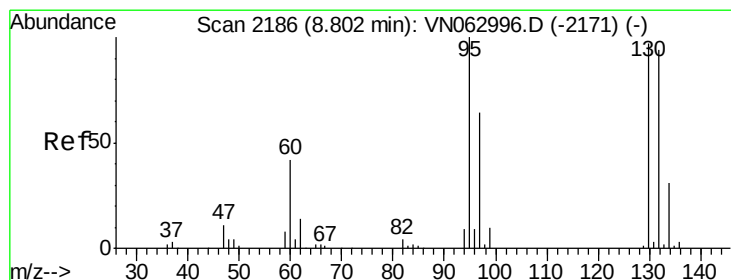
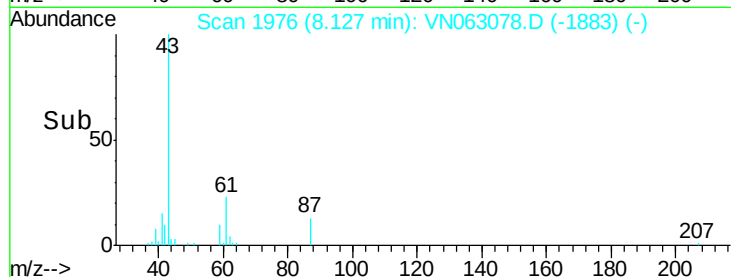
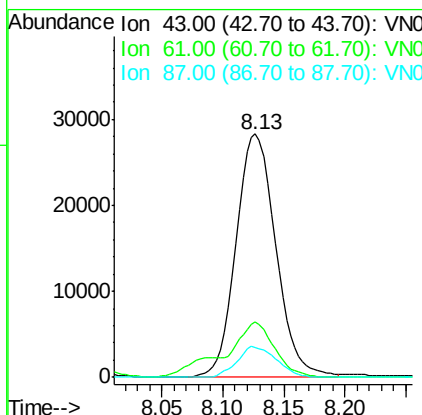
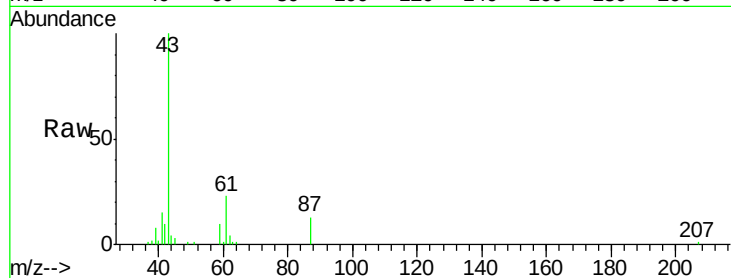
#43
Isopropyl Acetate
Concen: 19.467 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	43	Resp	63961
Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.6	33.8
87	12.4	10.5	15.7

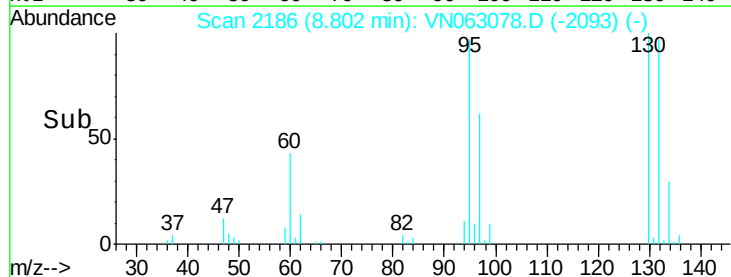
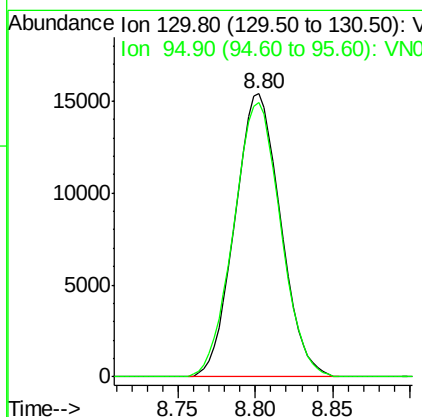
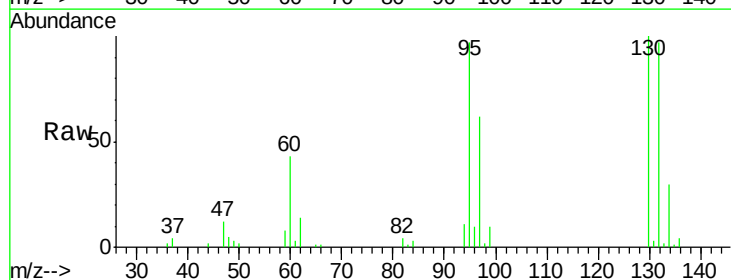
Manual Integrations
APPROVED

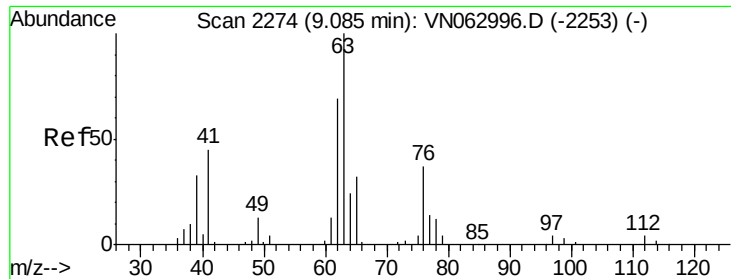
sam
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#44
Trichloroethene
Concen: 18.956 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion	130	Resp	31653
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	205.6





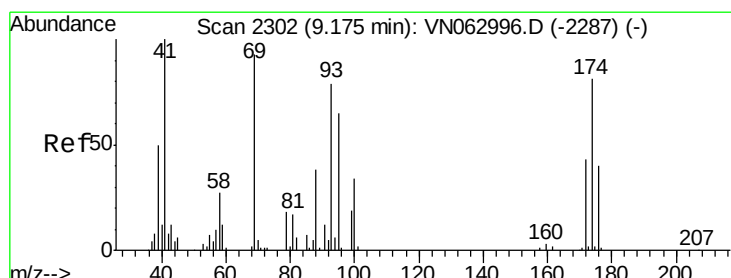
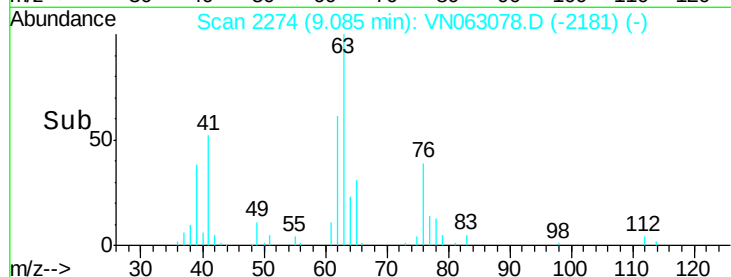
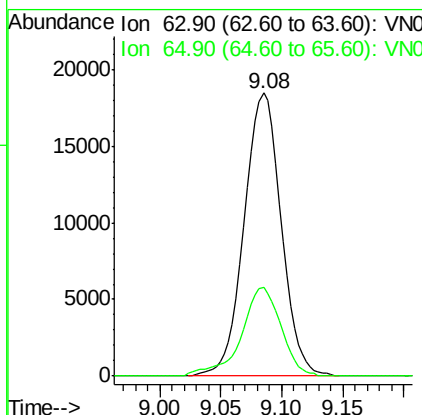
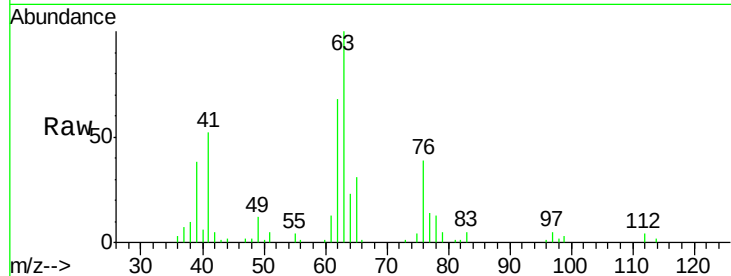
#45
 1,2-Dichloropropane
 Concen: 19.938 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion: 63 Resp: 38688
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.6 38.4

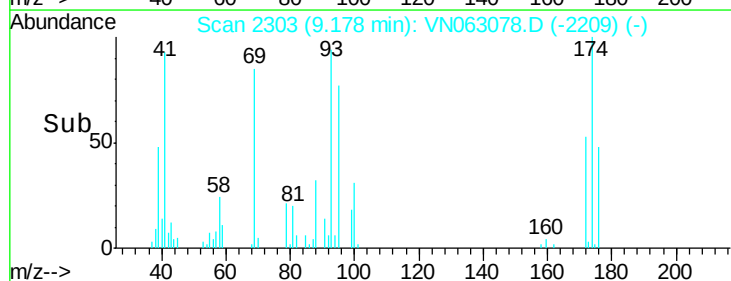
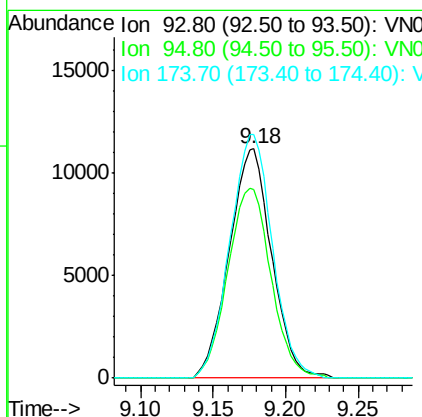
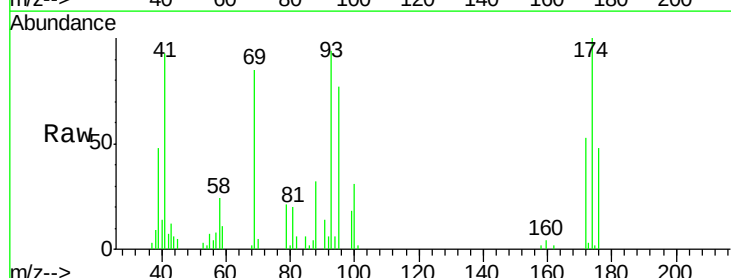
Manual Integrations
 APPROVED

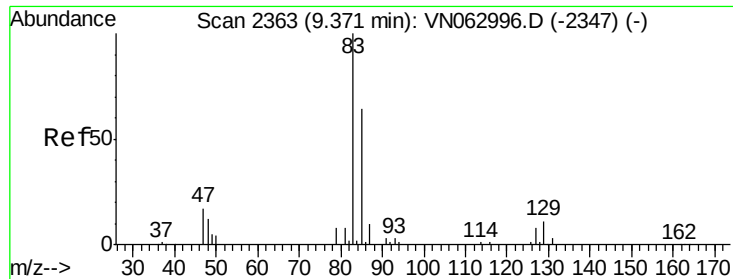
sam
 8/24/2020 5:52:25 PM



#46
 Dibromomethane
 Concen: 20.300 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion: 93 Resp: 22756
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.2 99.4
 174 106.2 84.6 127.0





#47

Bromodichloromethane

Concen: 20.200 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

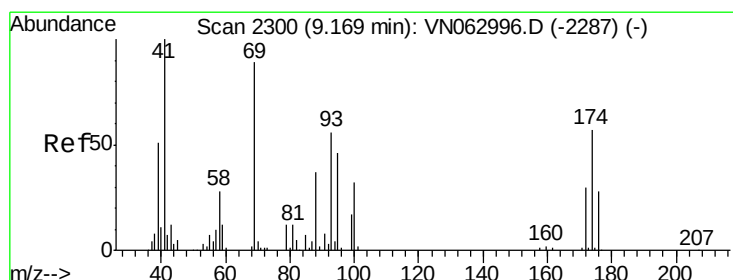
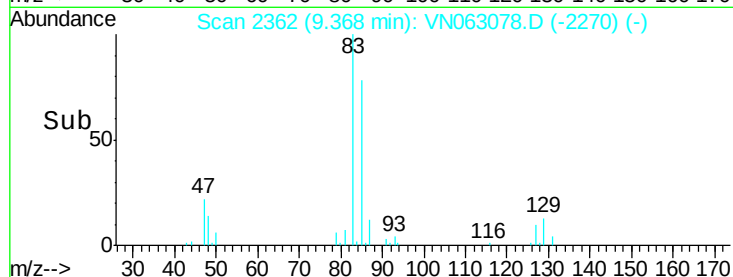
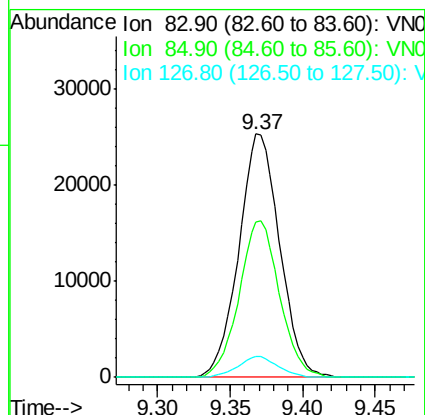
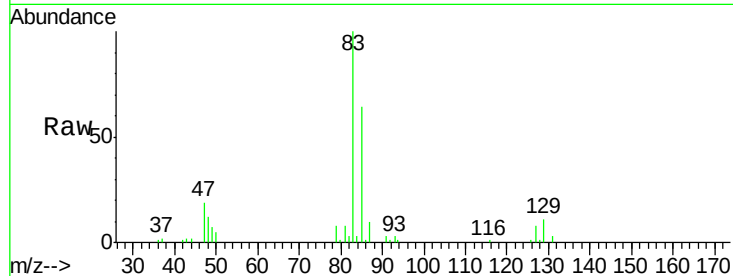
ClientSampleId :

VN0821WBSD02

Tot Ion:	83	Resp:	49595
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.1	76.7
127	8.4	6.6	9.8

Manual Integrations
APPROVED

sam
8/24/2020 5:52:25 PM



#48

Methyl methacrylate

Concen: 19.221 ug/l

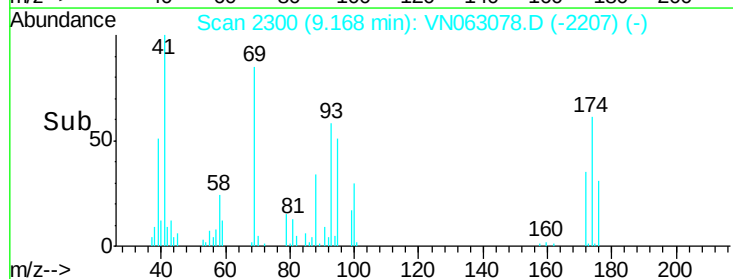
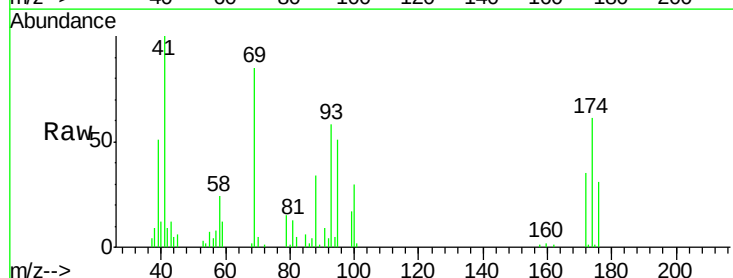
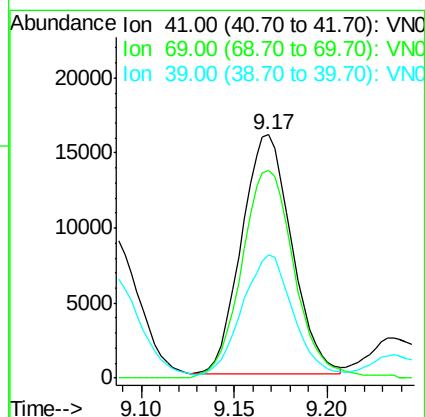
RT: 9.17 min Scan# 2300

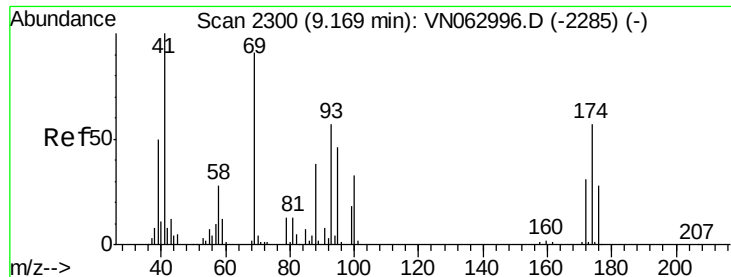
Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Tgt Ion:	41	Resp:	29880
Ion	Ratio	Lower	Upper
41	100		
69	91.2	74.2	111.4
39	51.1	42.5	63.7





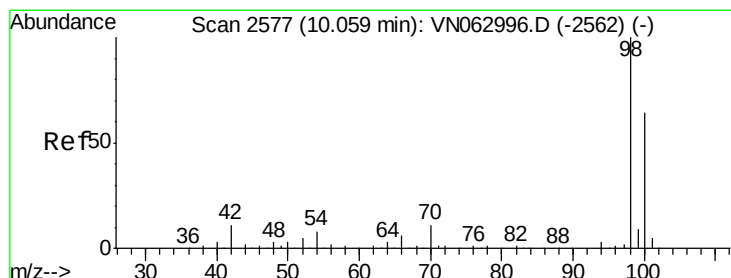
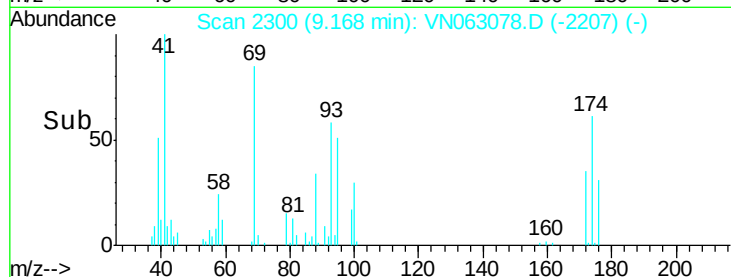
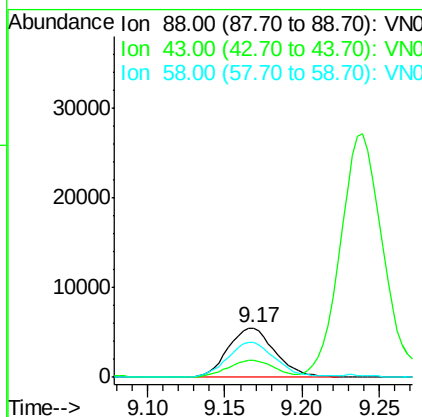
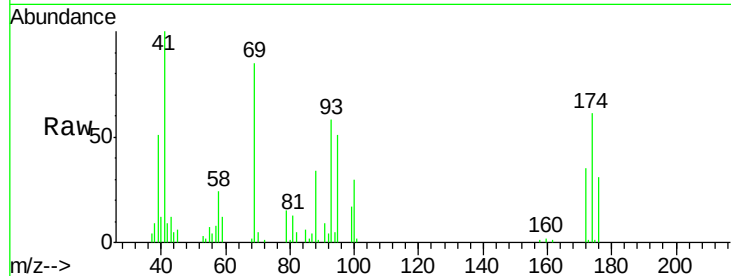
#49
1,4-Dioxane
Concen: 350.381 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	88	Resp	11641
Ion Ratio	Lower	Upper	
88	100		
43	34.6	25.2	37.8
58	72.5	56.7	85.1

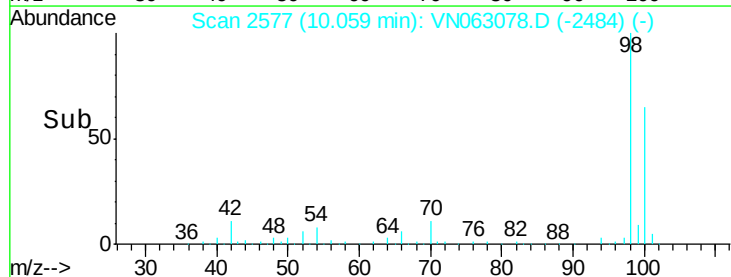
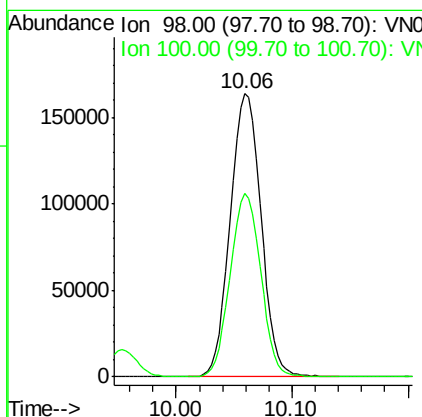
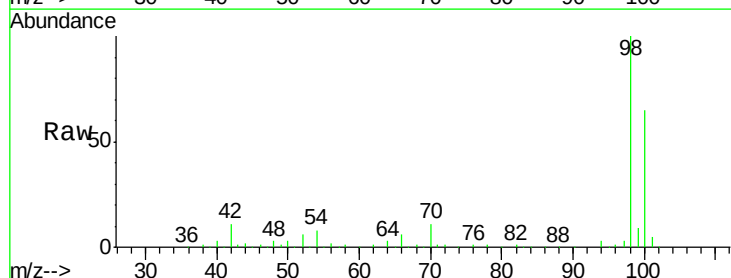
Manual Integrations
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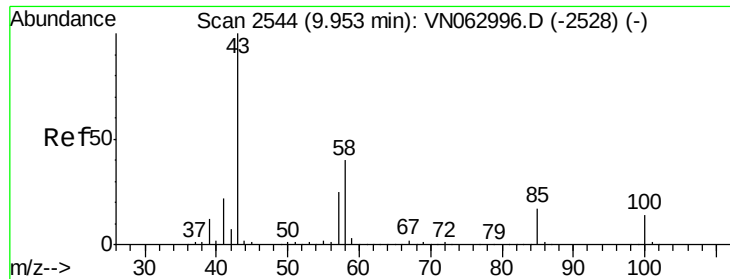
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#50
Toluene-d8
Concen: 50.264 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion	98	Resp	302142
Ion Ratio	Lower	Upper	
98	100		
100	64.1	51.2	76.8





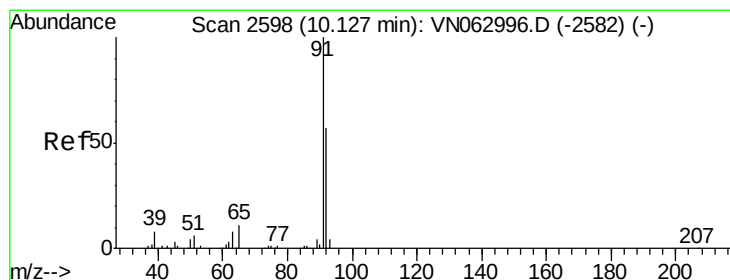
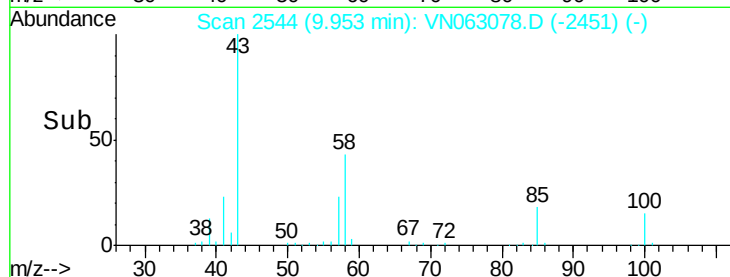
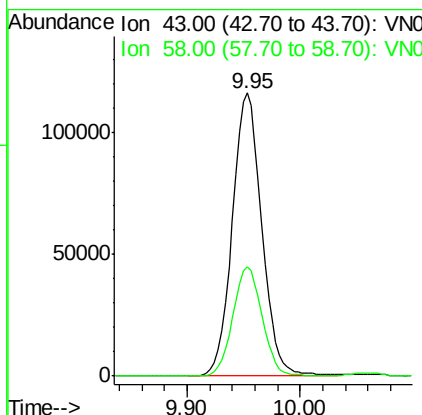
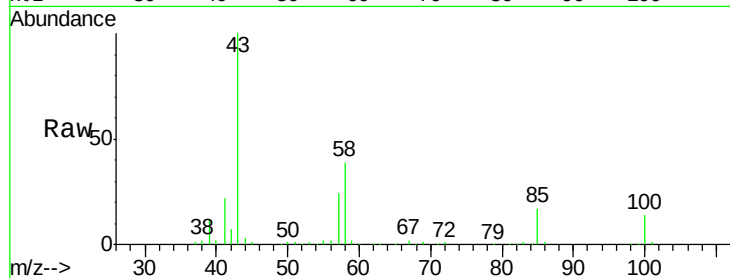
#51
 4-Methyl-2-Pentanone
 Concen: 101.685 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	43	58	Ratio	Lower	Upper	Resp
211175	100	38.4		32.2	48.2	

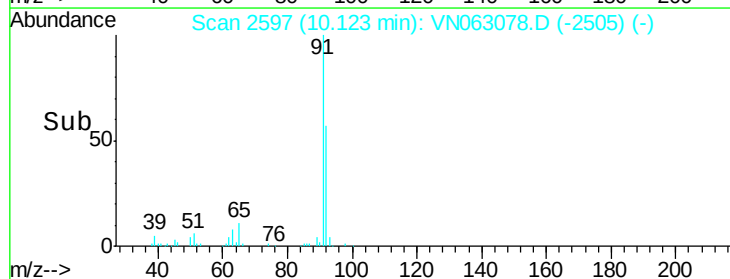
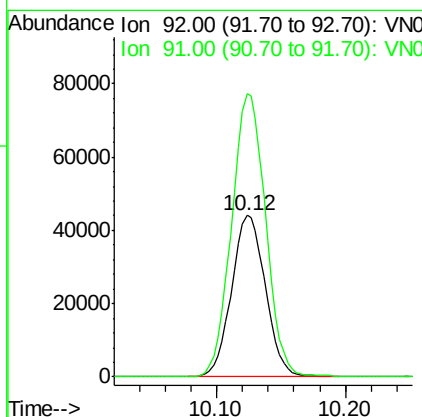
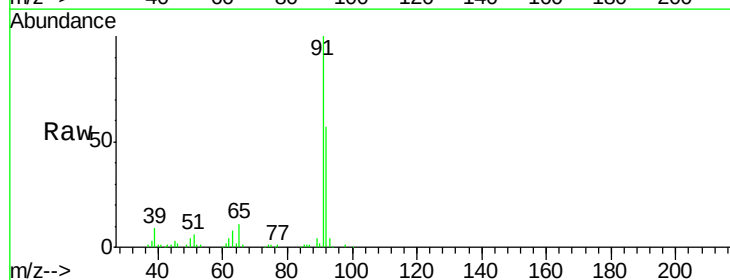
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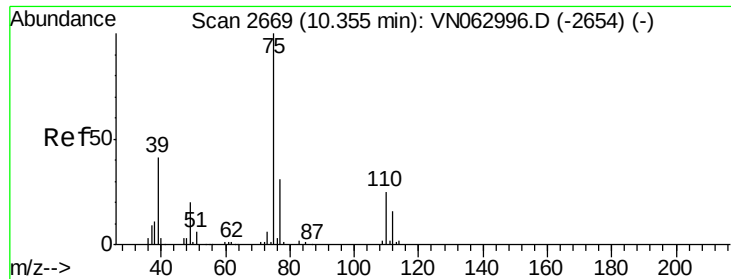
sam
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#52
 Toluene
 Concen: 19.884 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion	92	91	Ratio	Lower	Upper	Resp
80521	100	176.1		139.2	208.8	





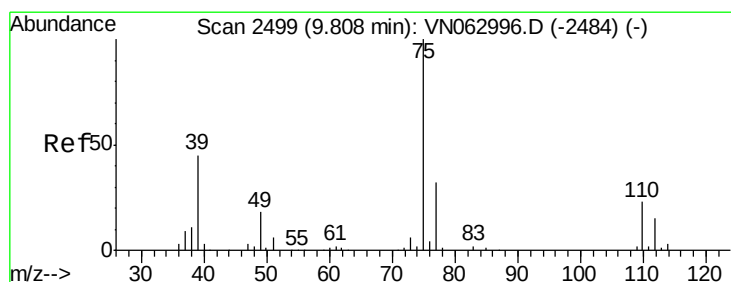
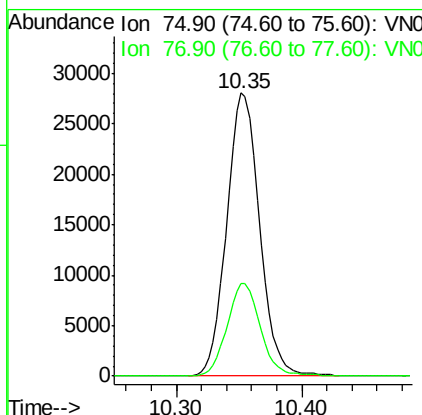
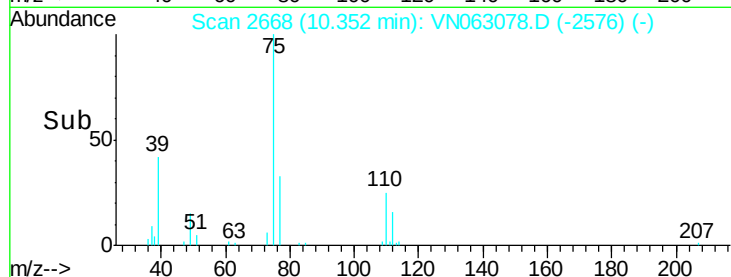
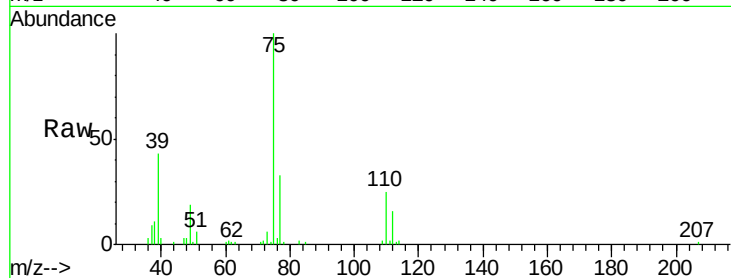
#53
t-1,3-Dichloropropene
Concen: 20.102 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion: 75 Resp: 51038
Ion Ratio Lower Upper
75 100
77 32.7 24.6 37.0

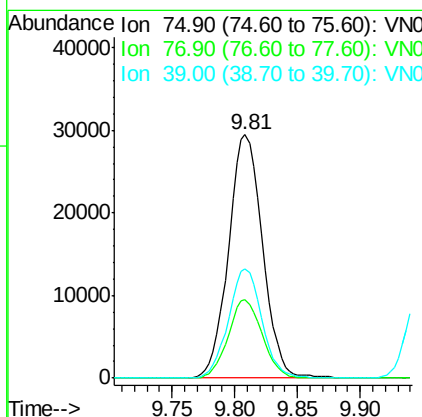
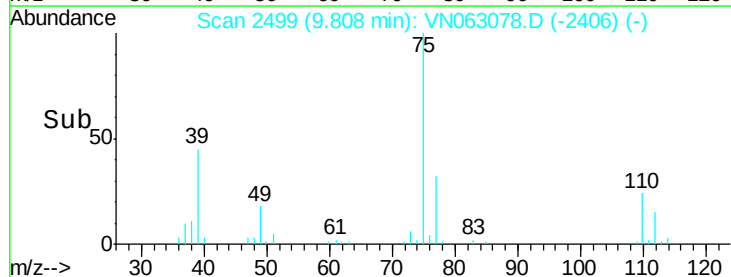
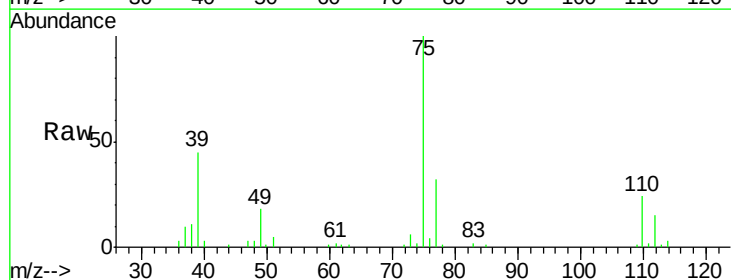
Manual Integrations
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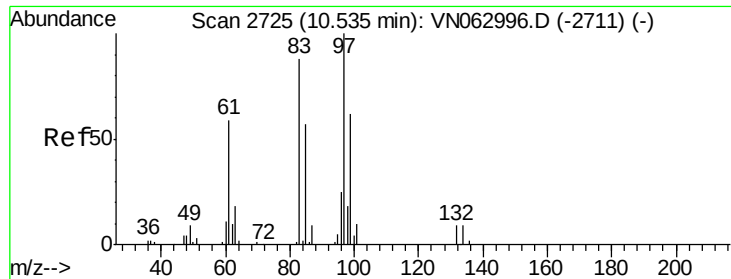
sam
8/24/2020 5:52:25 PM



#54
cis-1,3-Dichloropropene
Concen: 19.952 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion: 75 Resp: 55571
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2
39 44.9 35.7 53.5





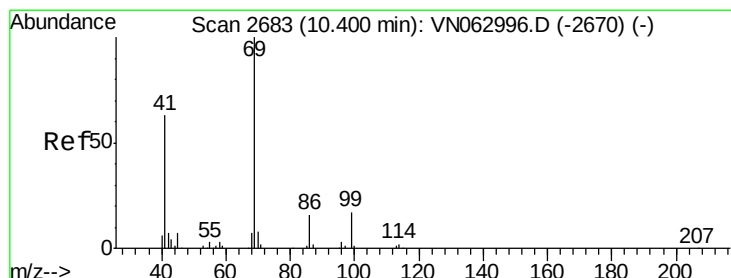
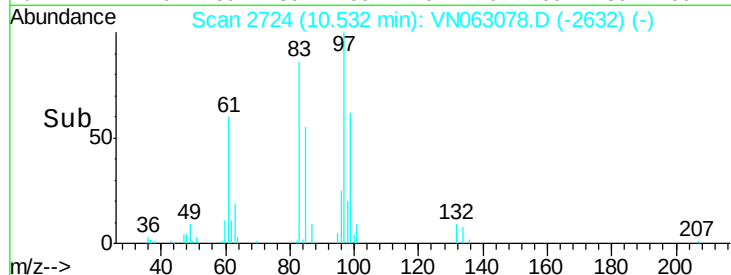
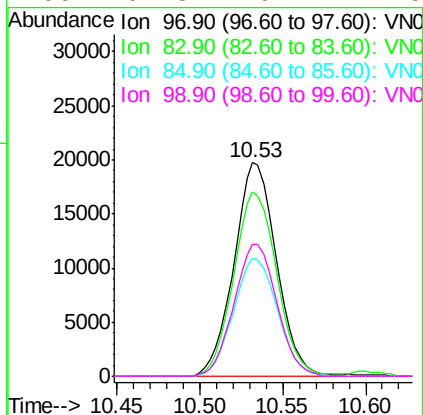
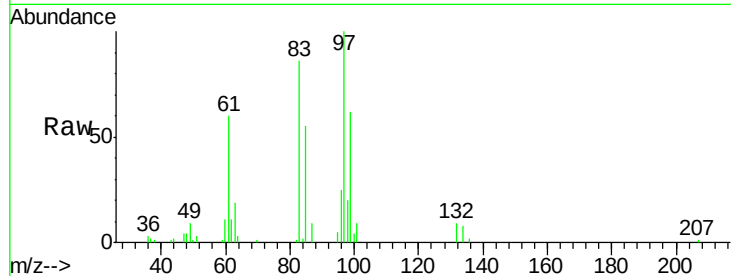
#55
 1,1,2-Trichloroethane
 Concen: 20.311 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion:	97	Resp:	35169
Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.5	105.7
85	54.9	45.8	68.6
99	61.8	49.7	74.5

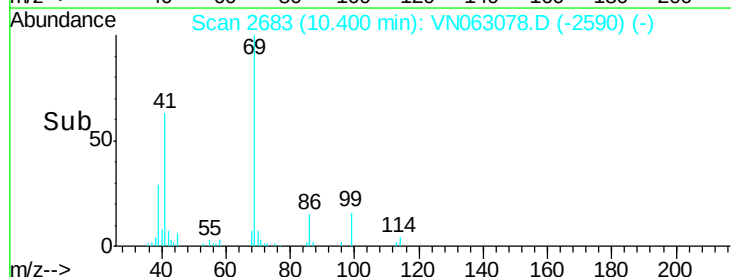
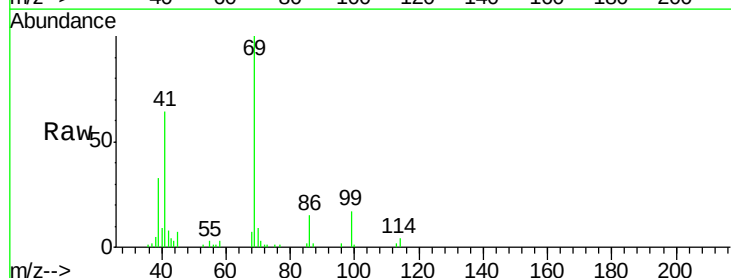
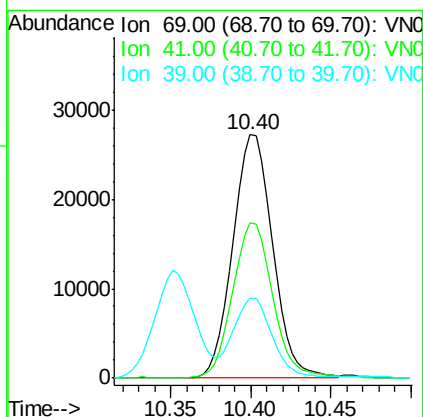
Manual Integrations
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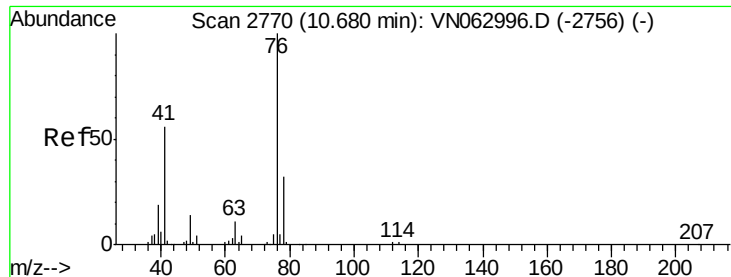
sam
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#56
 Ethyl methacrylate
 Concen: 18.456 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion:	69	Resp:	46313
Ion	Ratio	Lower	Upper
69	100		
41	64.6	50.2	75.2
39	31.8	24.2	36.4





#57

1,3-Dichloropropane

Concen: 19.954 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion: 76 Resp: 57373

Ion Ratio Lower Upper

76 100

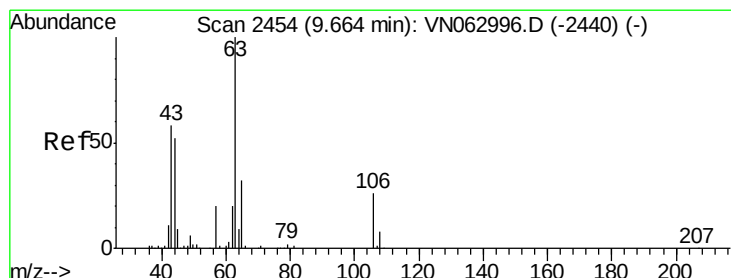
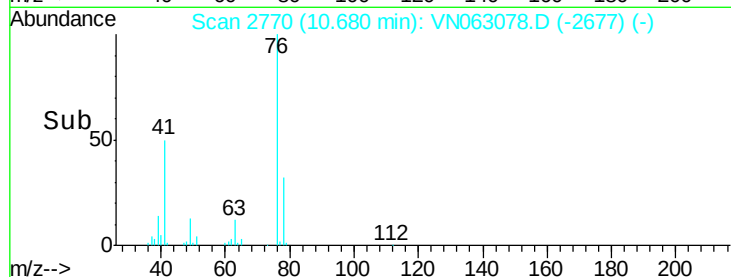
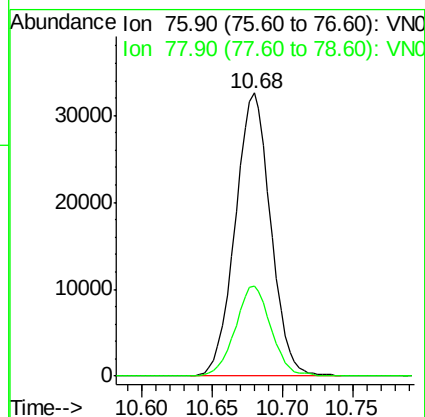
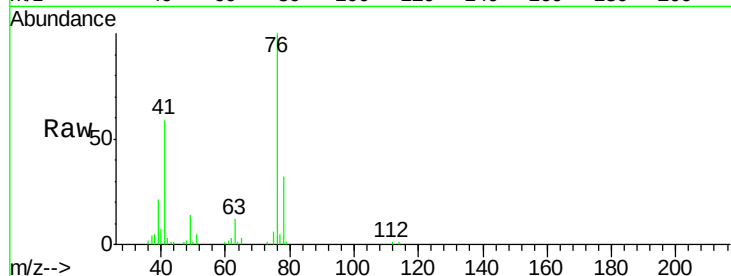
78 32.0 26.1 39.1

Manual Integrations

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sam

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#58

2-Chloroethyl Vinyl ether

Concen: 79.952 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063078.D

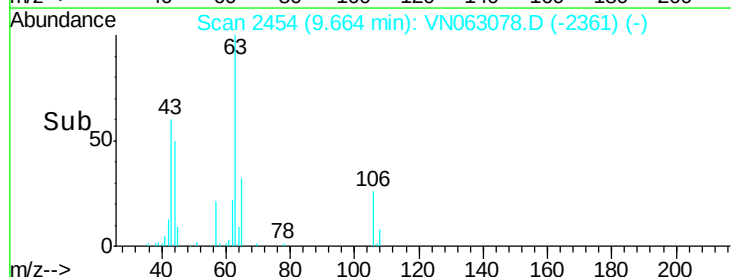
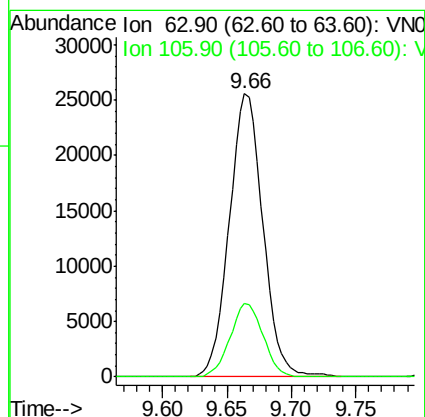
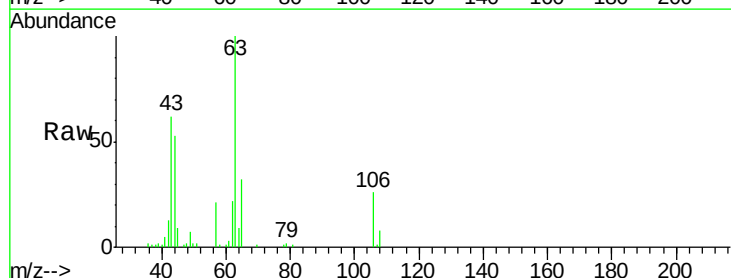
Acq: 21 Aug 2020 14:15

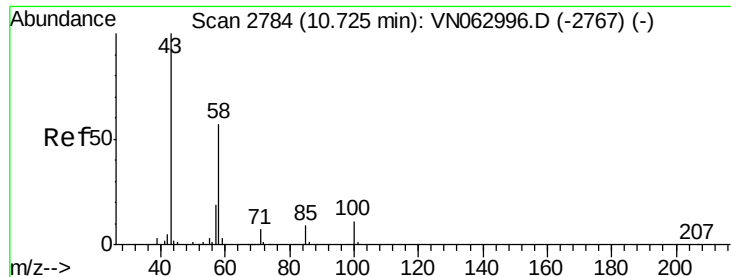
Tgt Ion: 63 Resp: 46309

Ion Ratio Lower Upper

63 100

106 25.2 20.7 31.1





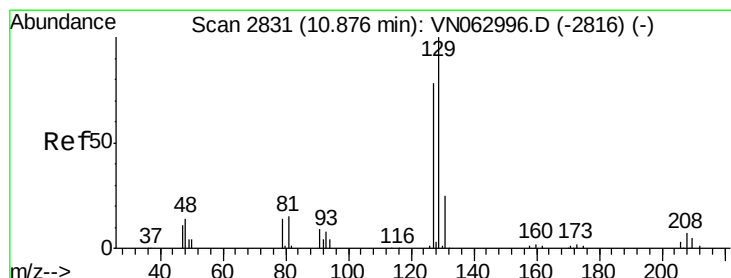
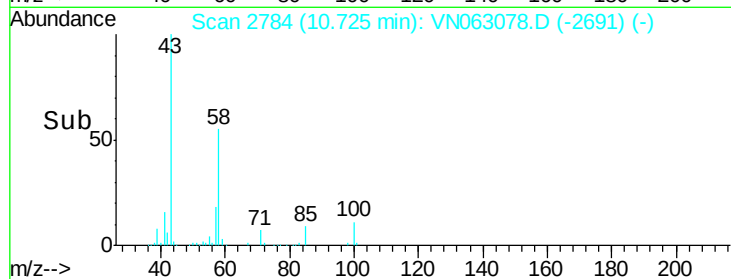
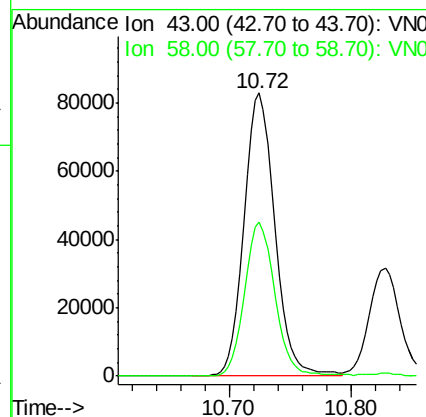
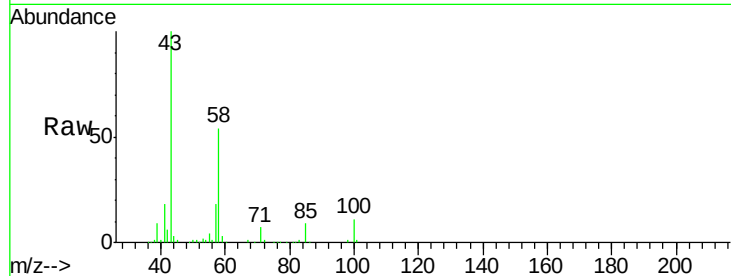
#59
2-Hexanone
Concen: 99.875 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	43	Resp	144679
Ion Ratio	43	100	
Lower	58	53.6	28.1
Upper			84.3

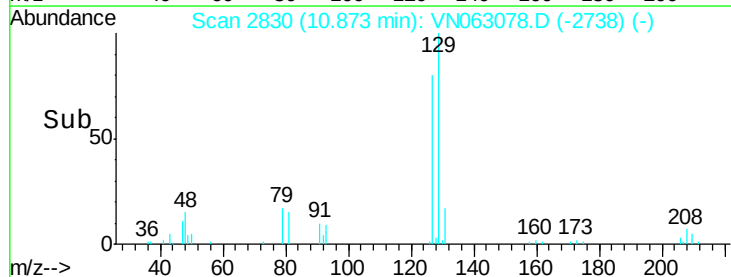
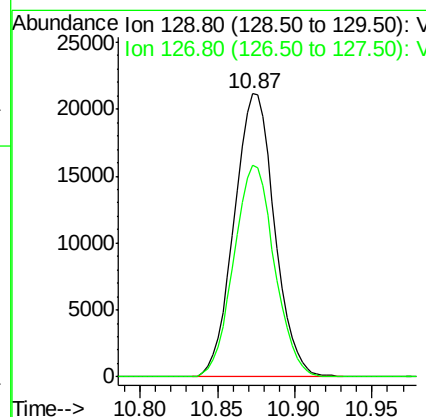
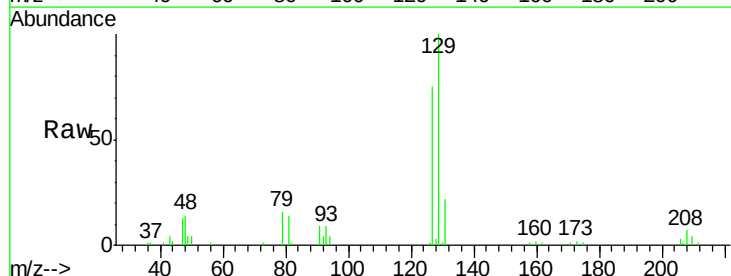
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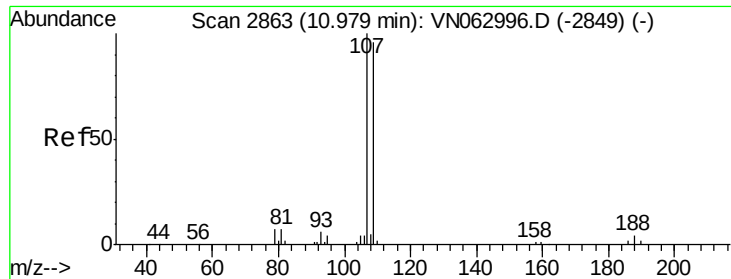
sam
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#60
Dibromochloromethane
Concen: 20.042 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion	129	Resp	38405
Ion Ratio	129	100	
Lower	127	75.1	38.4
Upper			115.2





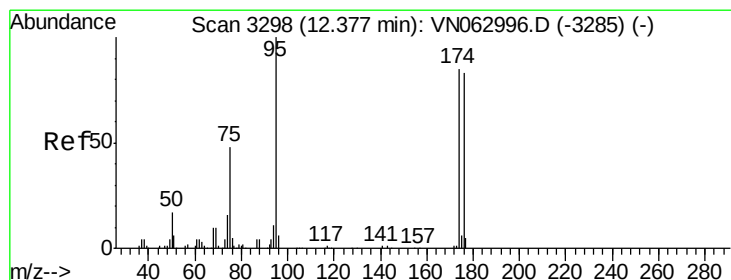
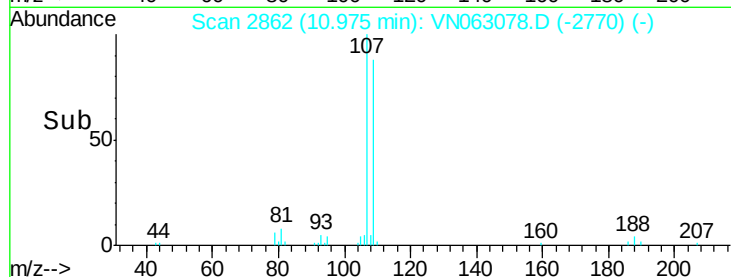
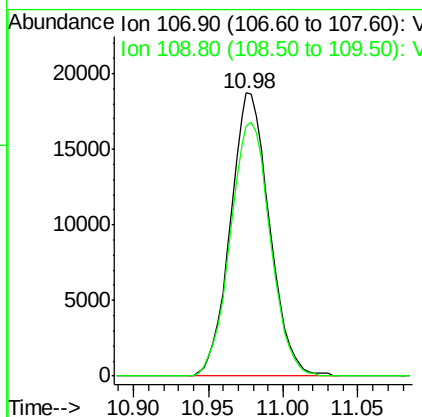
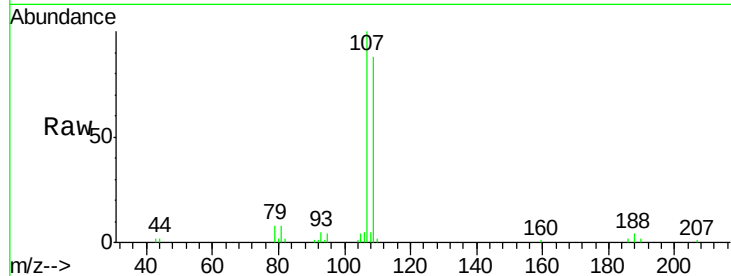
#61
 1,2-Dibromoethane
 Concen: 20.437 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	75.7	113.5

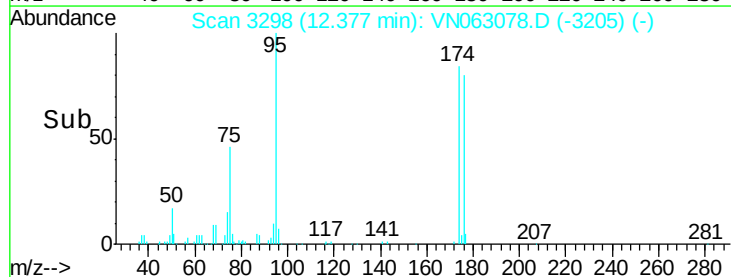
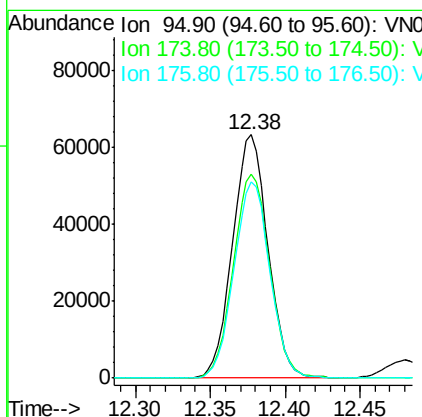
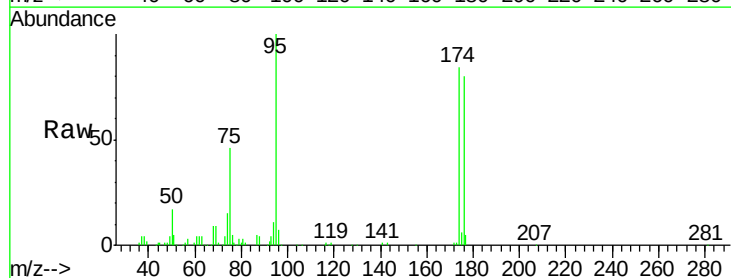
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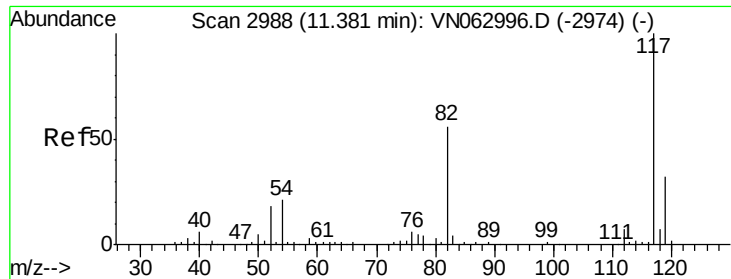
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#62
 4-Bromofluorobenzene
 Concen: 49.201 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	170.8
176	81.9	0.0	164.8





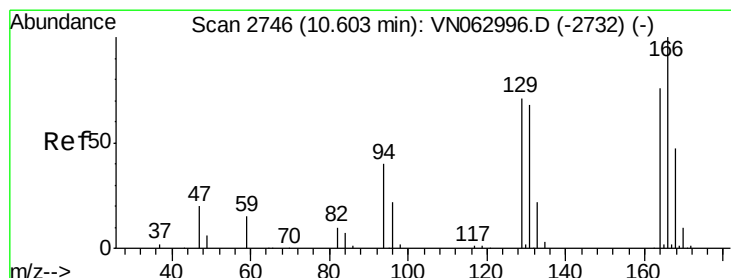
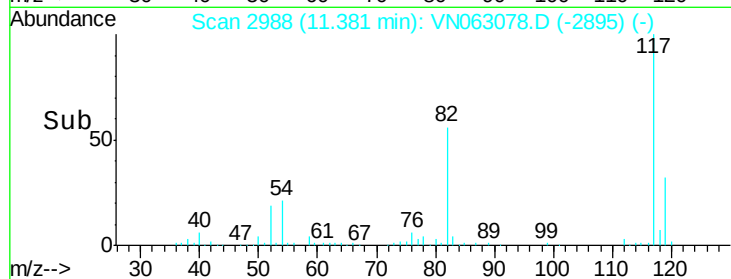
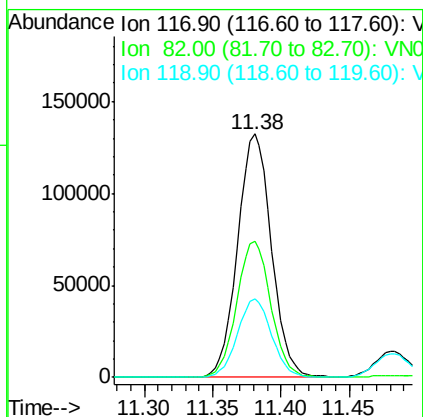
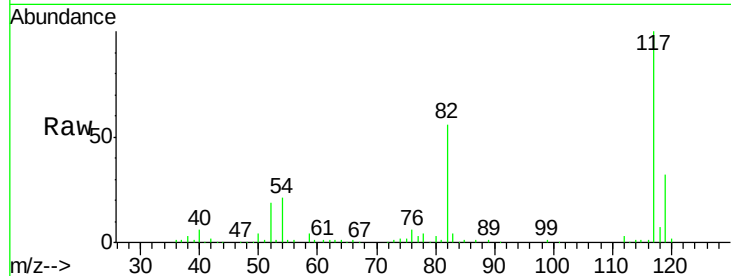
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.5	66.7
119	32.4	25.5	38.3

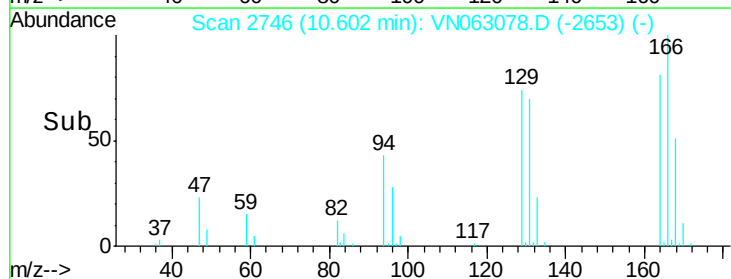
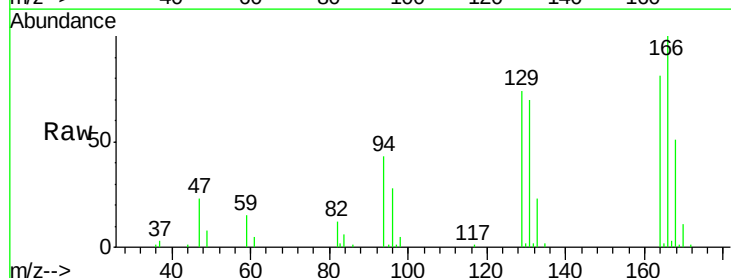
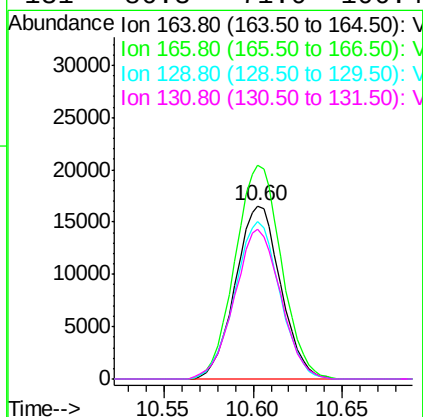
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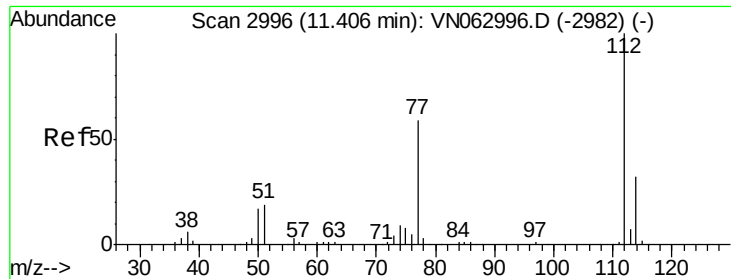
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#64
Tetrachloroethene
Concen: 19.548 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	105.0	157.6
129	90.7	74.7	112.1
131	86.3	71.0	106.4





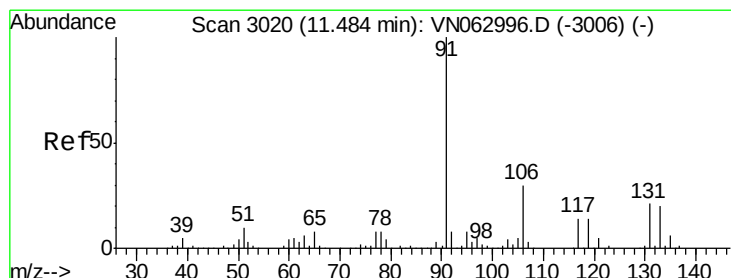
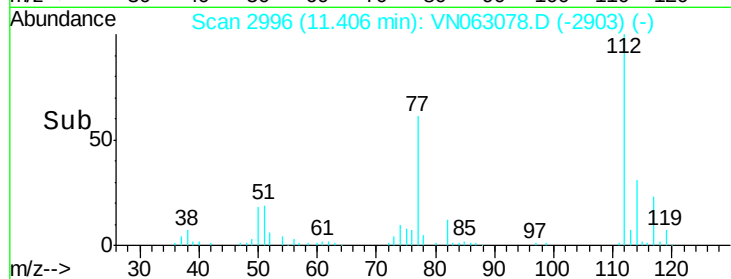
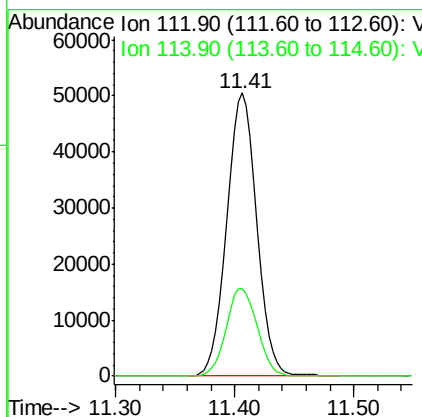
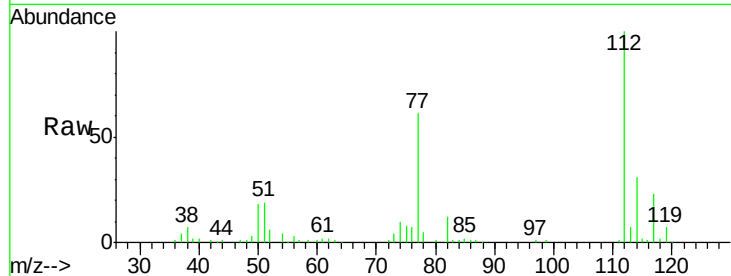
#65
Chlorobenzene
Concen: 19.281 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion:112 Resp: 88331
Ion Ratio Lower Upper
112 100
114 31.0 25.3 37.9

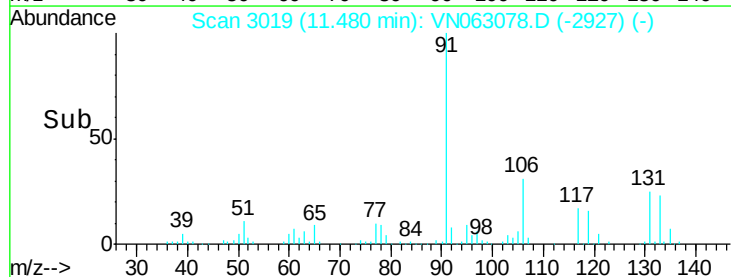
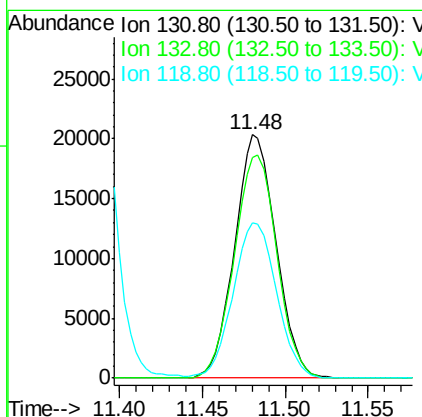
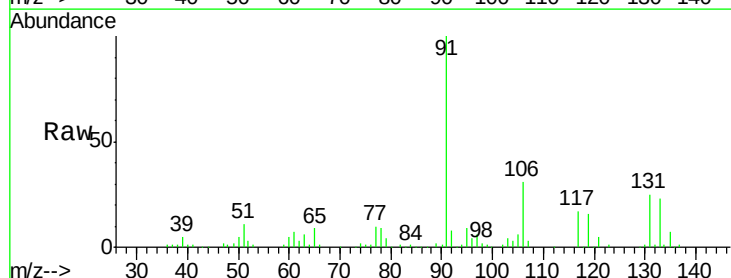
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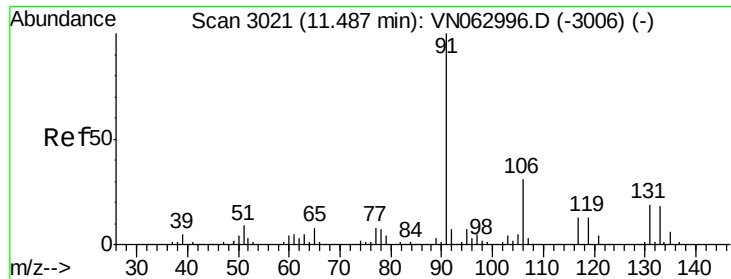
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.803 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion:131 Resp: 35287
Ion Ratio Lower Upper
131 100
133 94.3 47.5 142.6
119 67.1 33.1 99.3





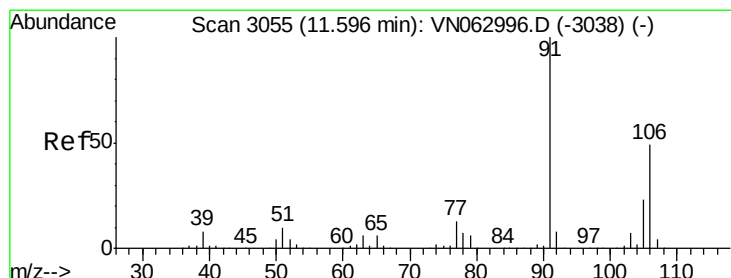
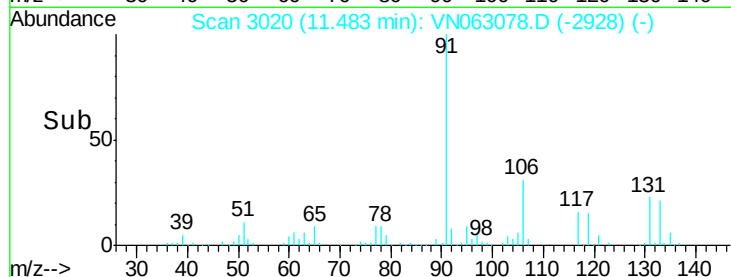
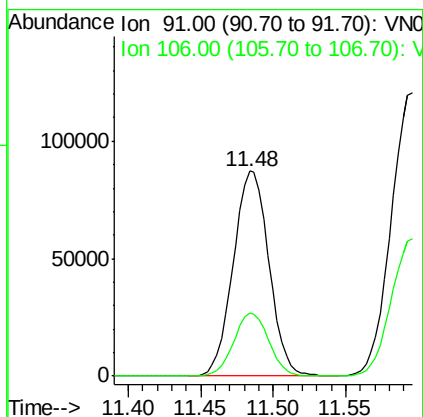
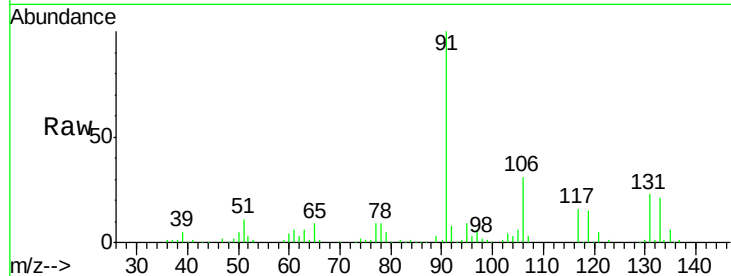
#67
Ethyl Benzene
Concen: 19.305 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion: 91 Resp: 149436
Ion Ratio Lower Upper
91 100
106 30.9 24.6 37.0

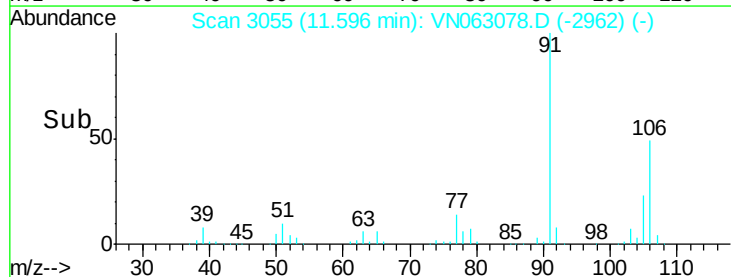
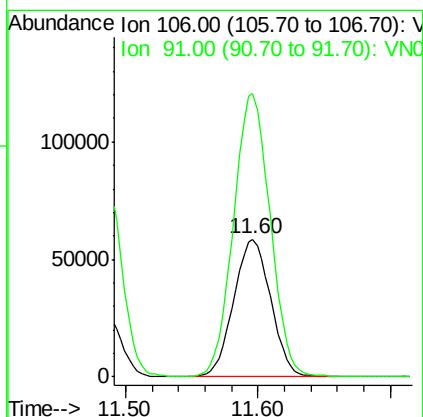
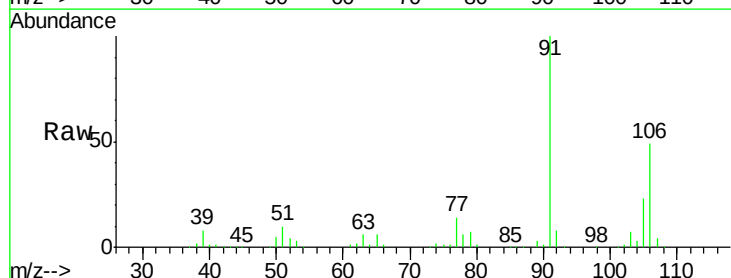
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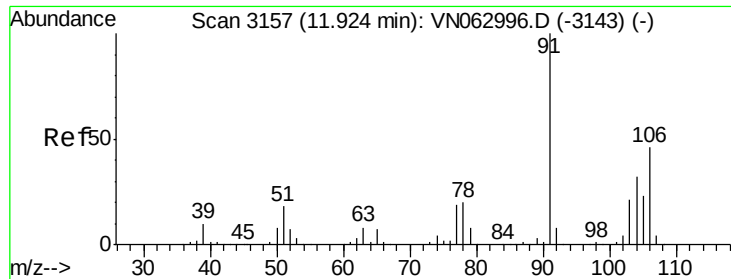
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#68
m/p-Xylenes
Concen: 39.627 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion: 106 Resp: 114009
Ion Ratio Lower Upper
106 100
91 202.9 163.0 244.4





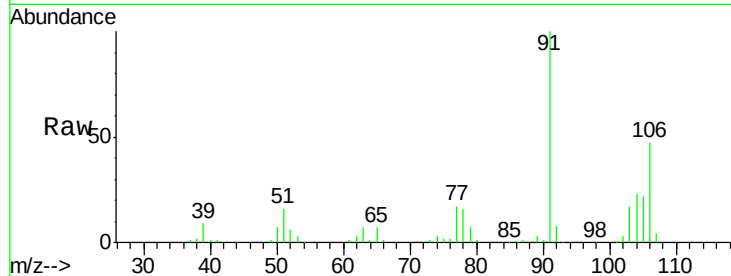
#69
o-Xylene
Concen: 19.374 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

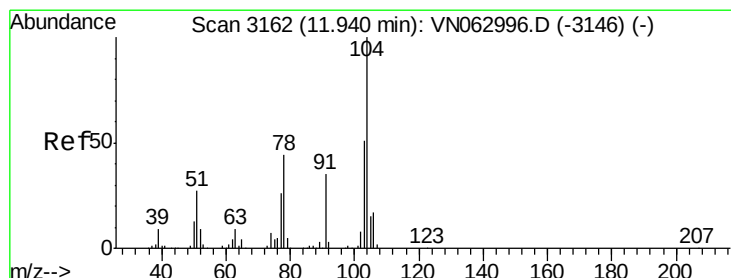
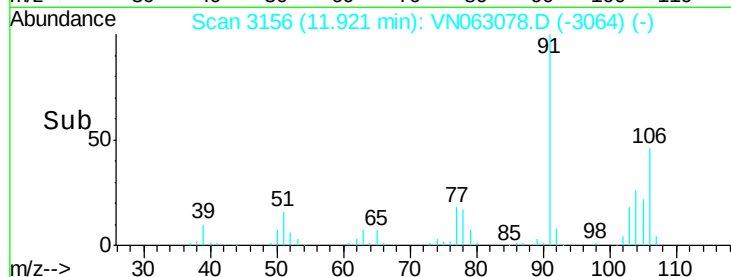
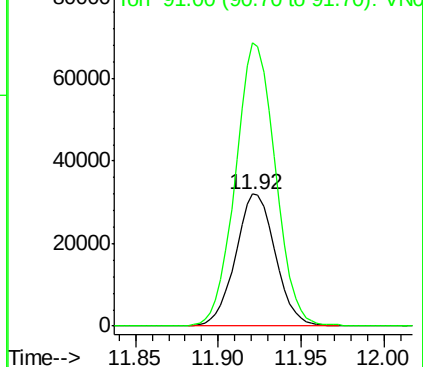
Tot Ion:106 Resp: 53527
Ion Ratio Lower Upper
106 100
91 215.5 107.3 321.9

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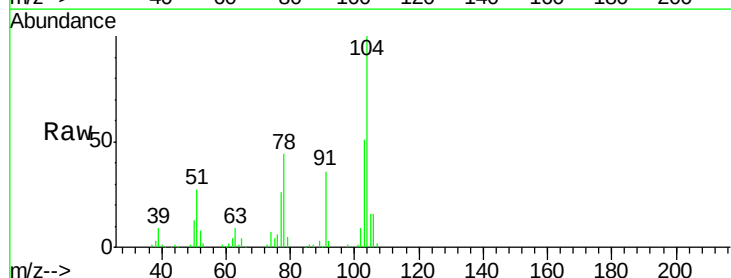


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

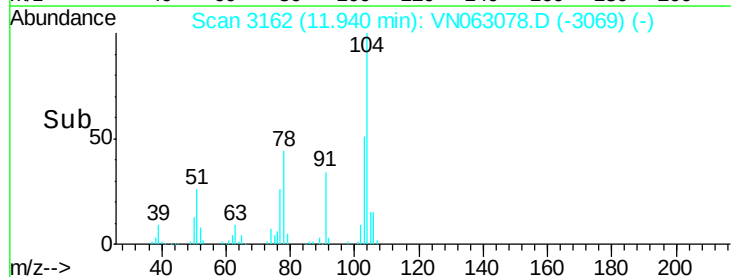
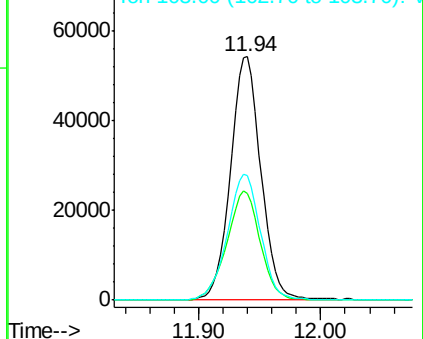


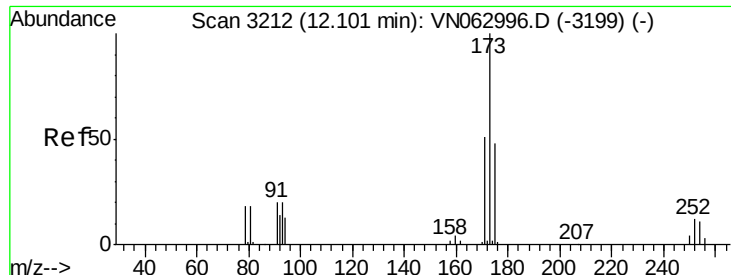
#70
Styrene
Concen: 18.510 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion:104 Resp: 94575
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.6
103 56.1 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





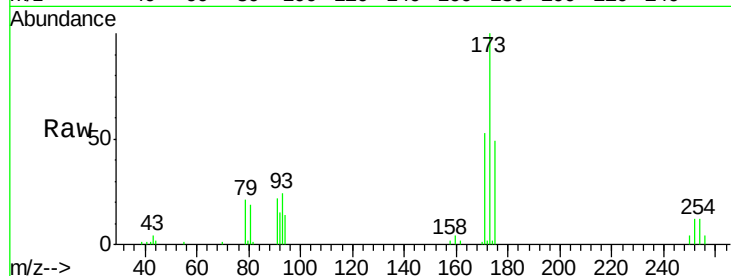
#71
Bromoform
Concen: 19.362 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

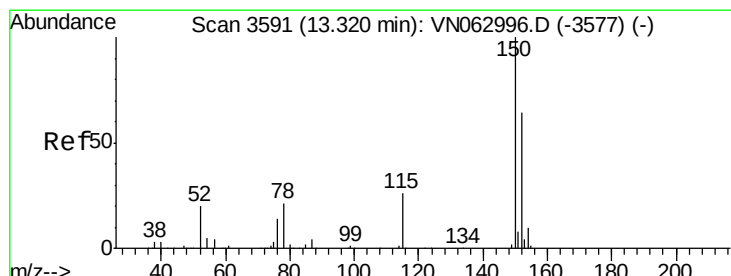
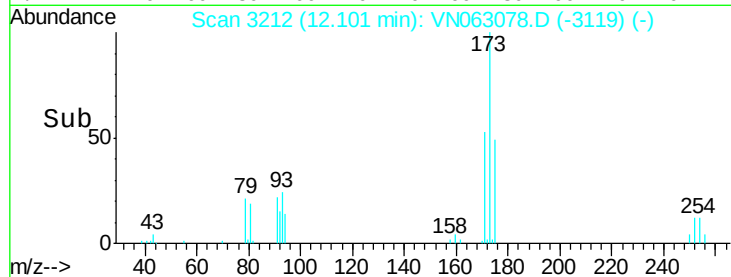
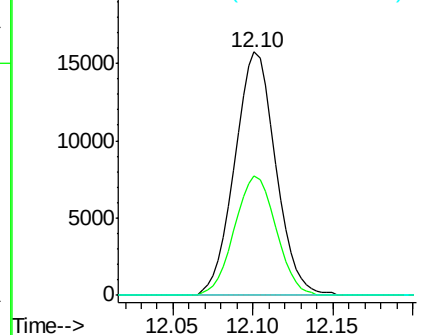
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	72.8
254	0.0	0.0	0.0

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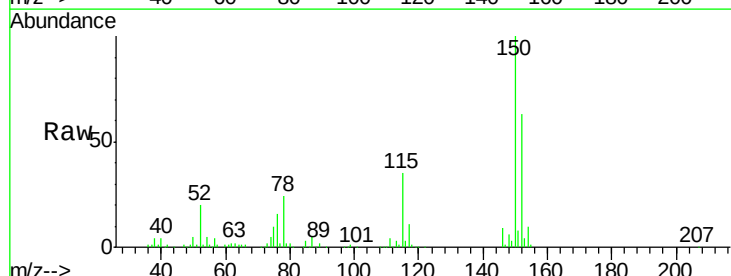


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

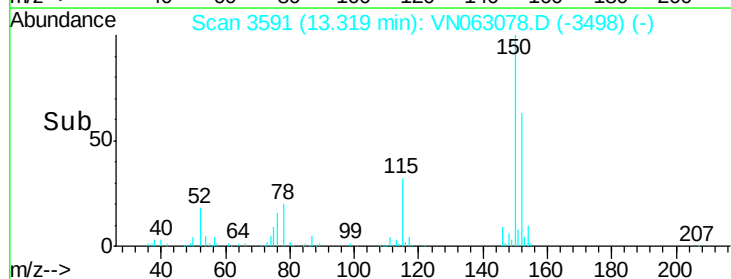
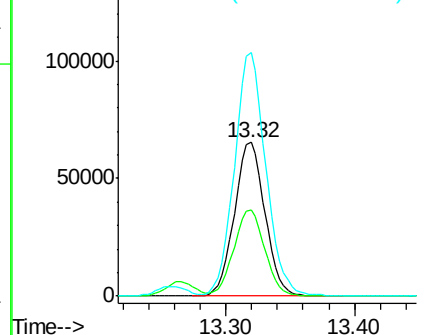


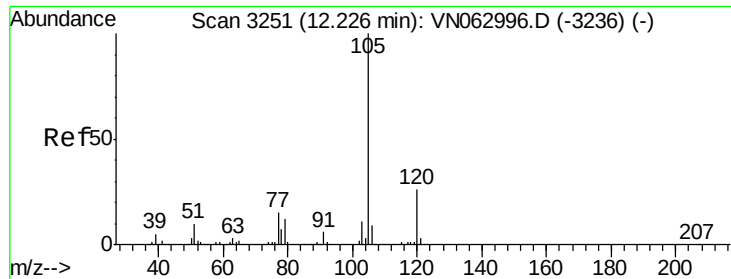
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.7	86.3
150	161.9	0.0	348.8



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





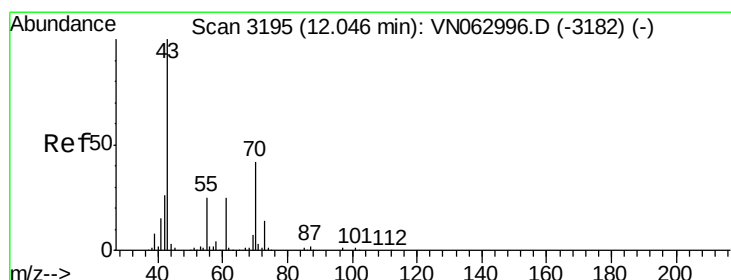
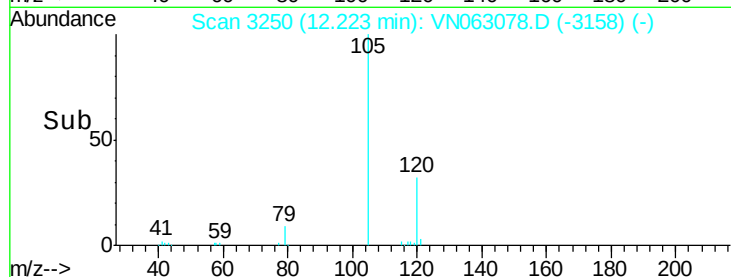
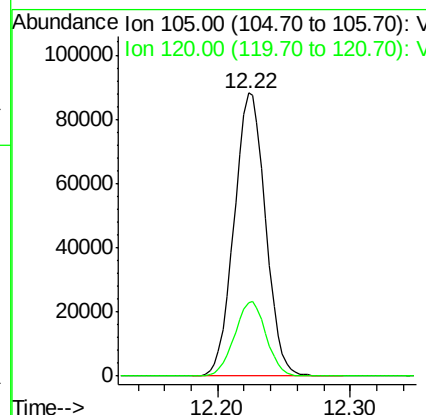
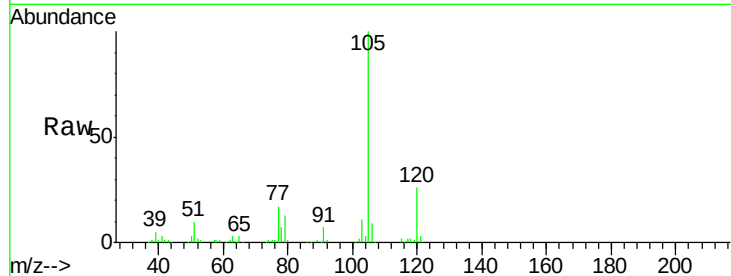
#73
Isopropylbenzene
Concen: 19.638 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

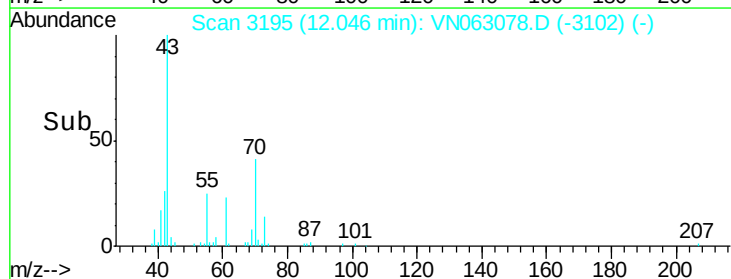
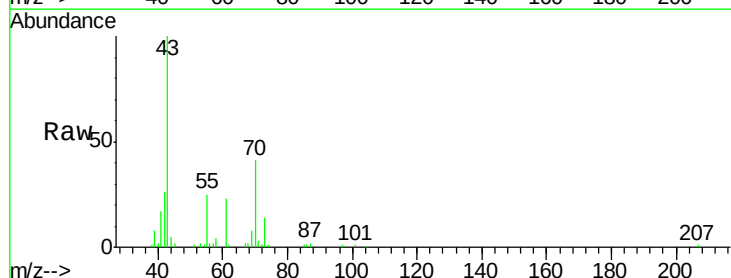
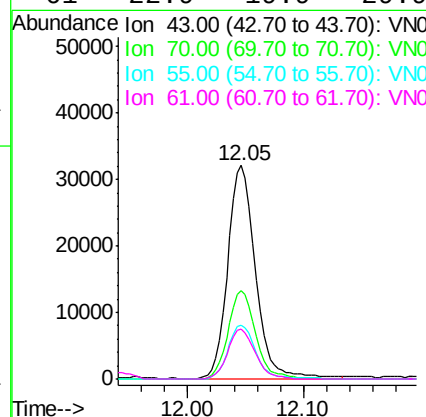
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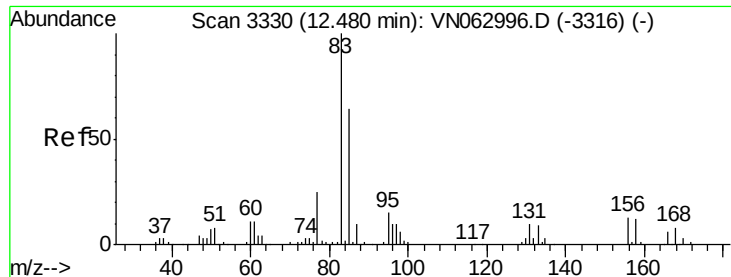
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#74
N-ethyl acetate
Concen: 20.353 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.9	33.4	50.0
55	25.3	20.2	30.2
61	22.9	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.647 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

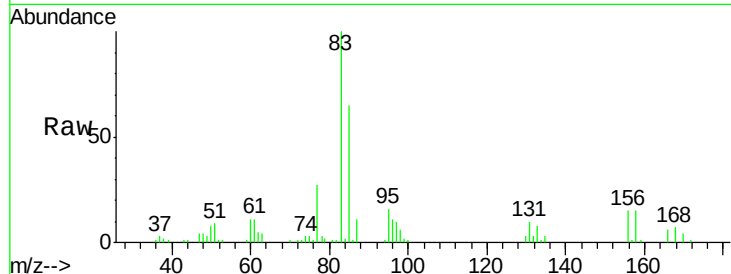
ClientSampleId :

VN0821WBSD02

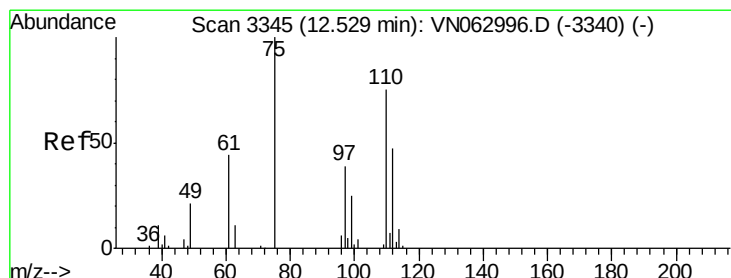
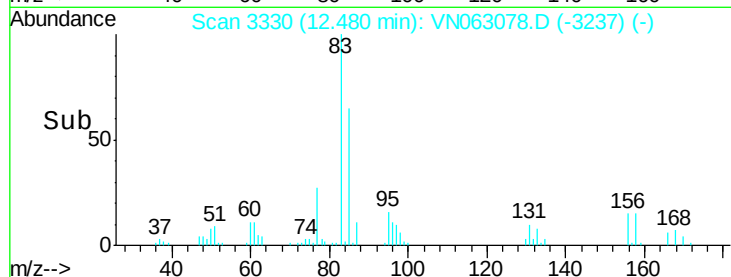
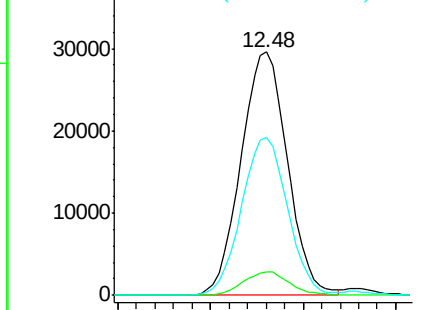
Tot Ion:	83	Resp:	51474
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	64.1	31.9	95.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN063078.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 20.139 ug/l m

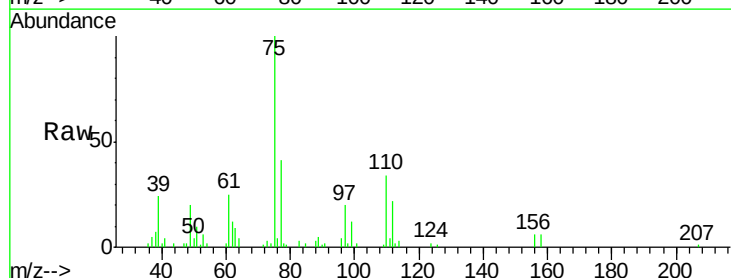
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

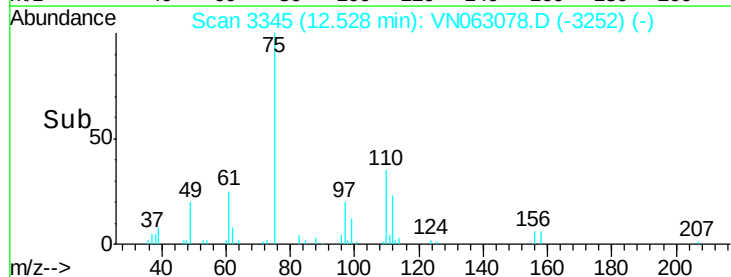
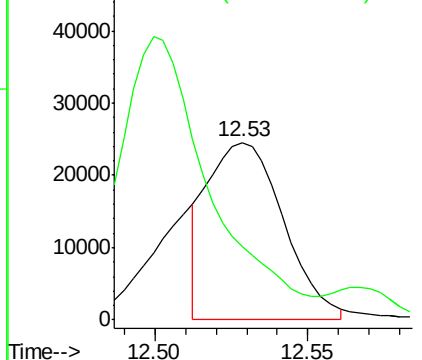
Lab File: VN063078.D

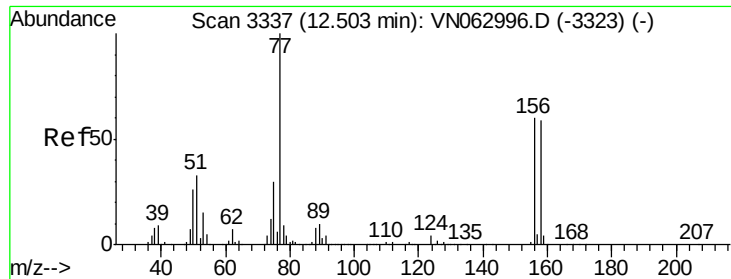
Acq: 21 Aug 2020 14:15

Tgt Ion:	75	Resp:	42145
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063078.D (-3252) (-)





#77

Bromobenzene

Concen: 19.908 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

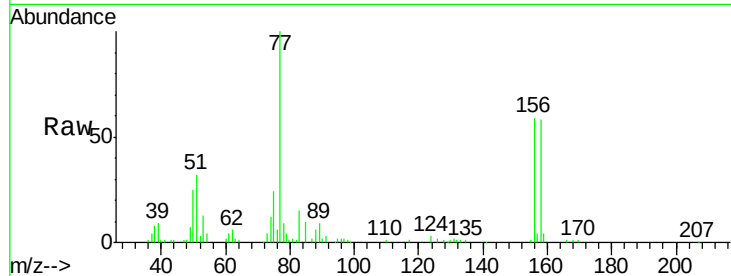
ClientSampleId :

VN0821WBSD02

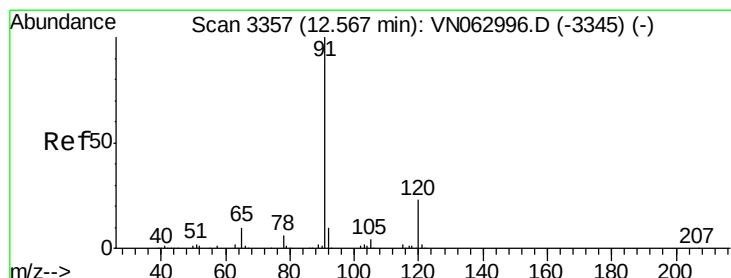
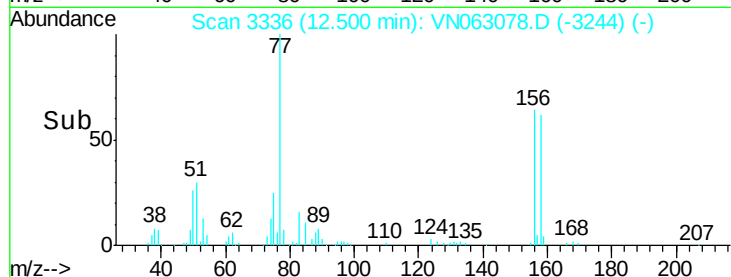
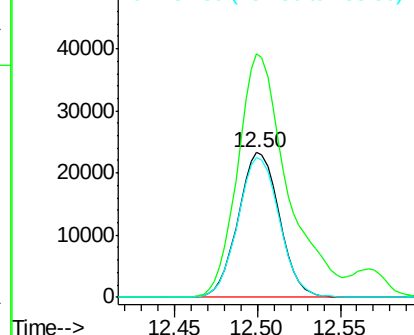
Tot Ion:	156	Resp:	40369
Ion Ratio	Lower	Upper	
156	100		
77	202.4	101.0	302.9
158	97.4	49.4	148.0

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.237 ug/l

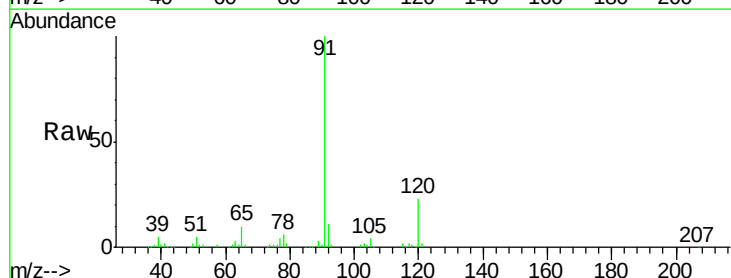
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

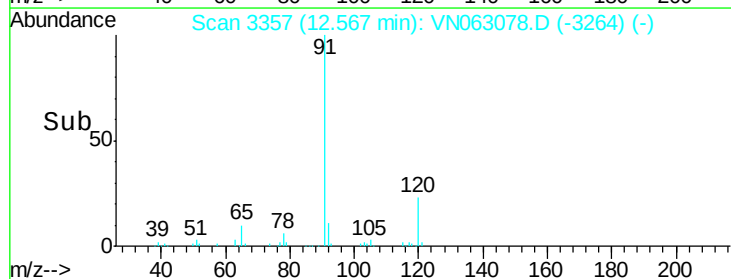
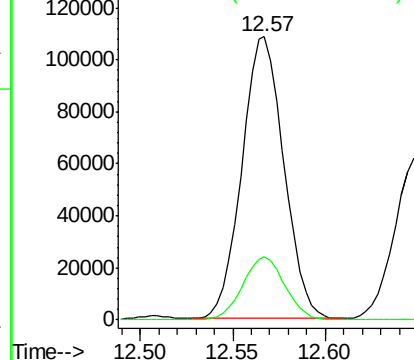
Lab File: VN063078.D

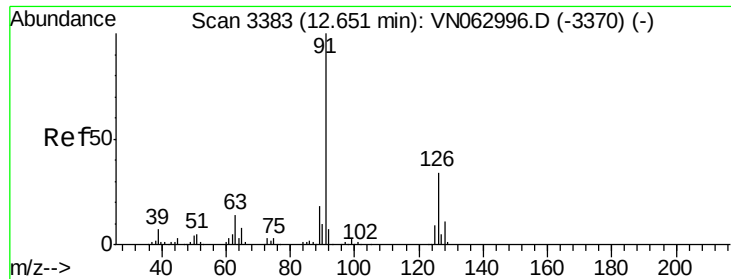
Acq: 21 Aug 2020 14:15

Tgt Ion:	91	Resp:	170068
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.582 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBSD02

Tot Ion: 91 Resp: 103506

Ion Ratio Lower Upper

91 100

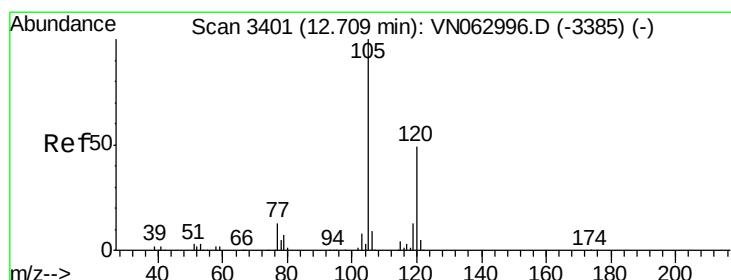
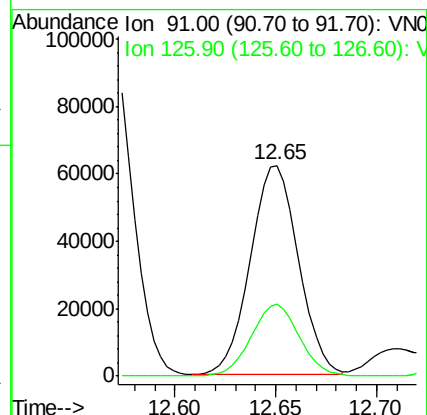
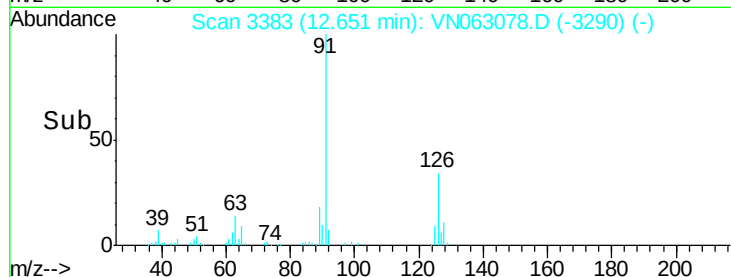
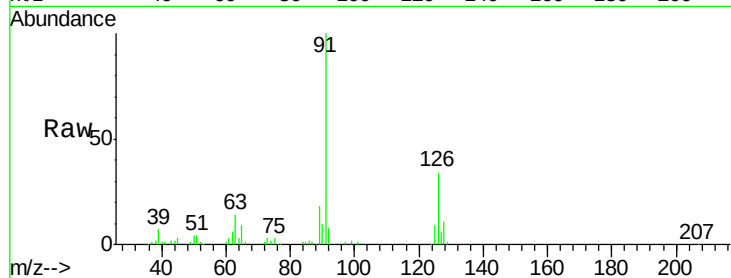
126 34.4 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.282 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063078.D

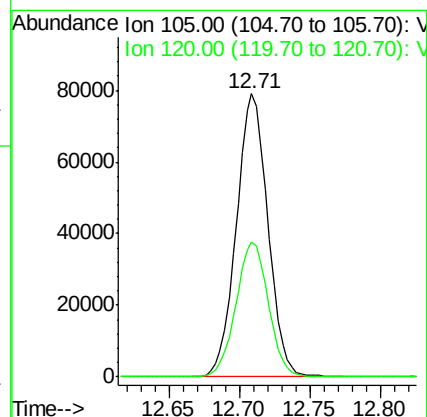
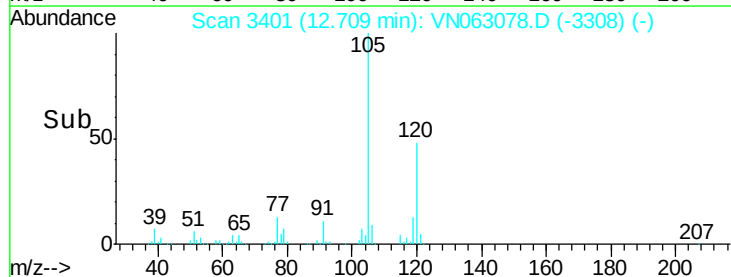
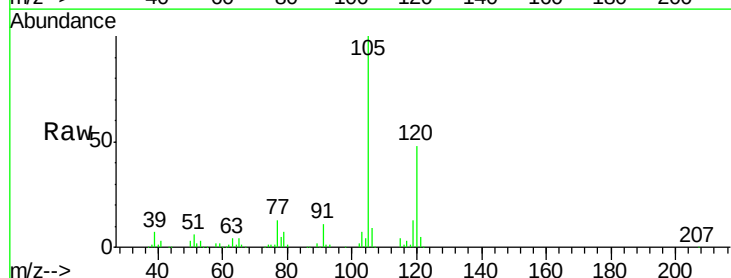
Acq: 21 Aug 2020 14:15

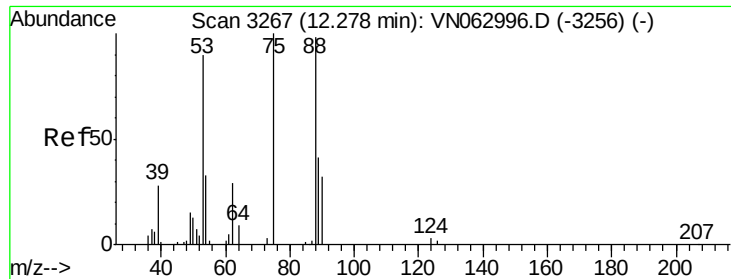
Tgt Ion: 105 Resp: 123612

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.071 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

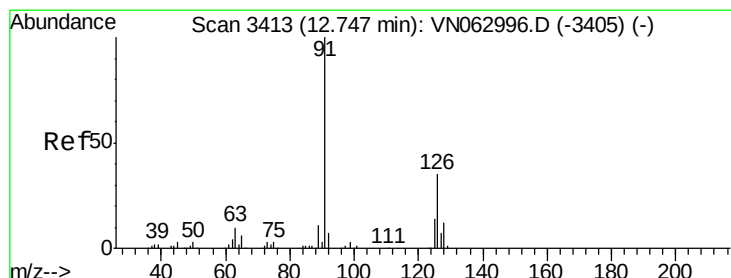
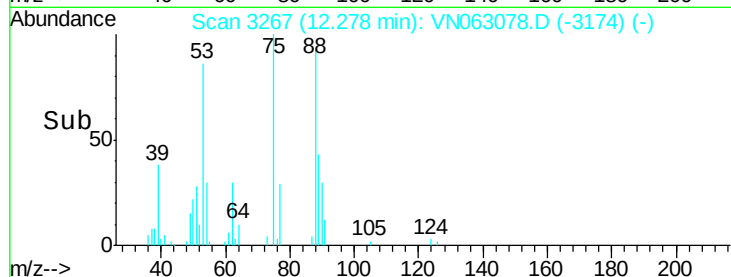
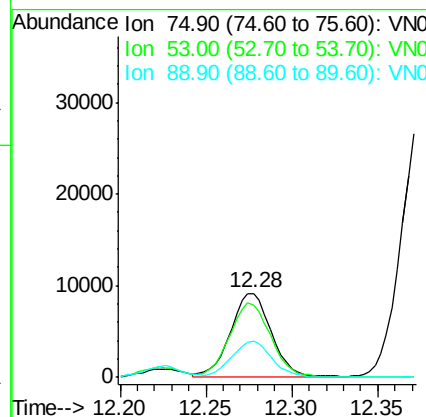
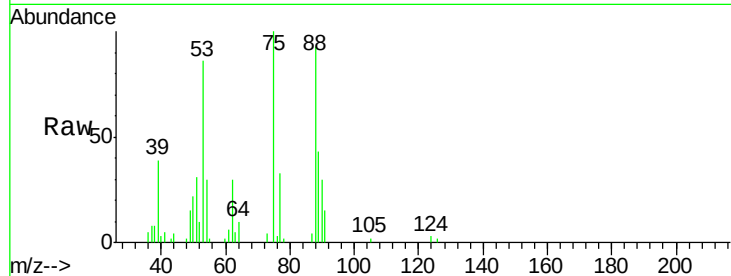
ClientSampled :

VN0821WBSD02

Tot Ion:	75	Resp:	15294
Ion Ratio	Lower	Upper	
75	100		
53	89.0	69.2	103.8
89	41.9	34.2	51.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.934 ug/l

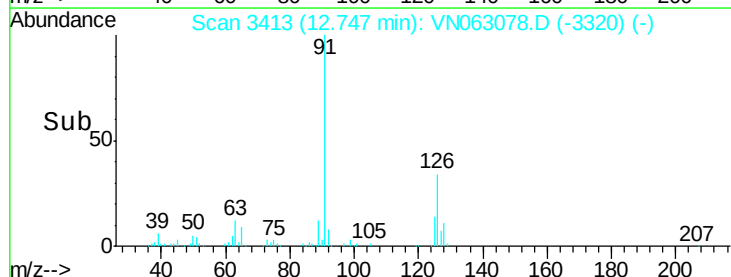
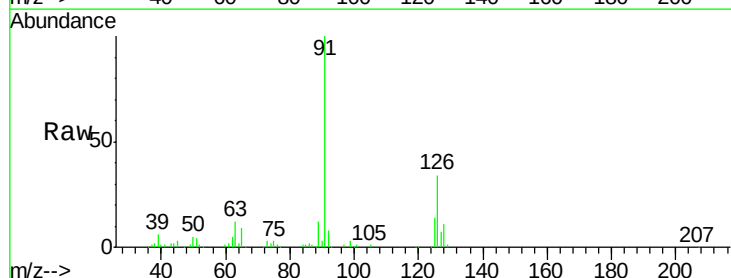
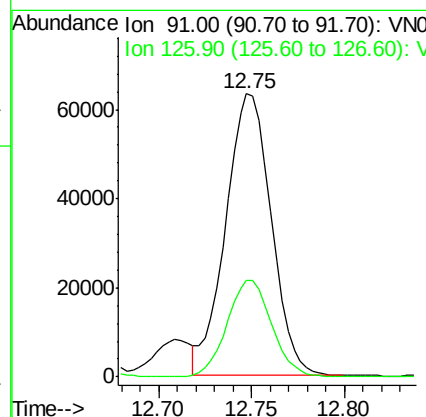
RT: 12.75 min Scan# 3413

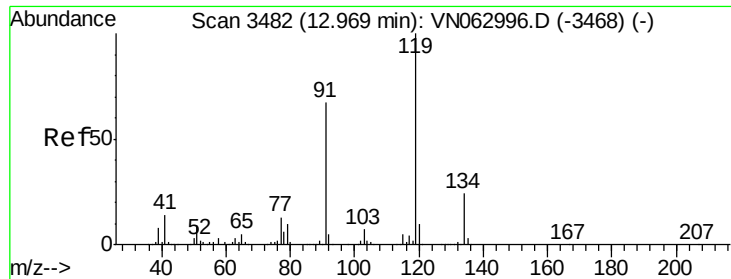
Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Tgt Ion:	91	Resp:	107292
Ion Ratio	Lower	Upper	
91	100		
126	33.9	16.5	49.5





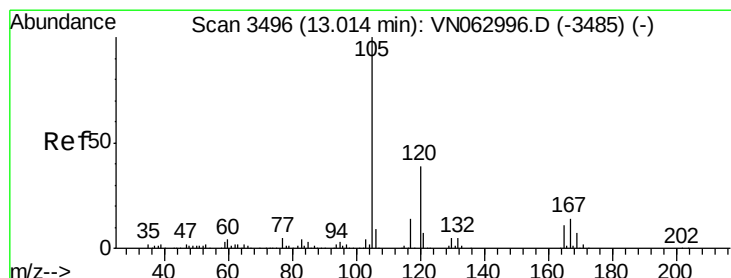
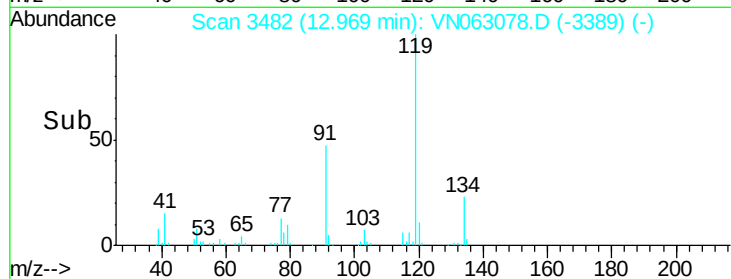
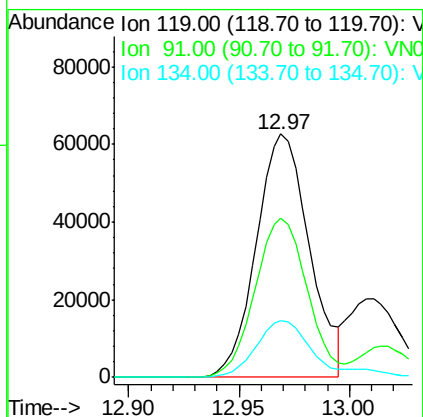
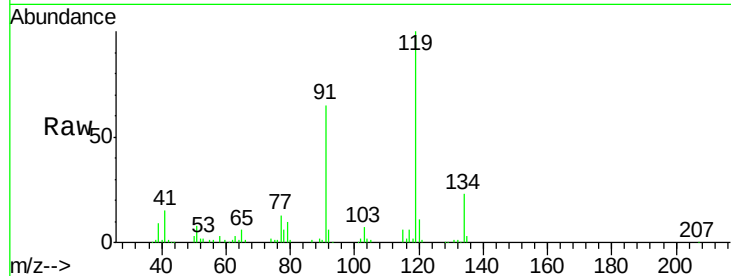
#83
 tert-Butylbenzene
 Concen: 19.881 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.5	97.4
134	25.6	13.1	39.3

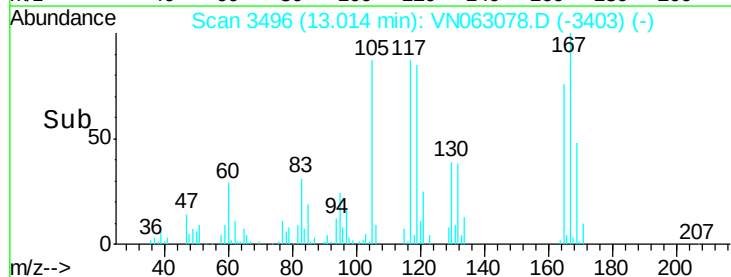
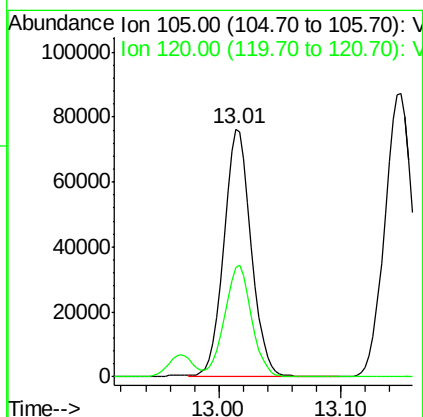
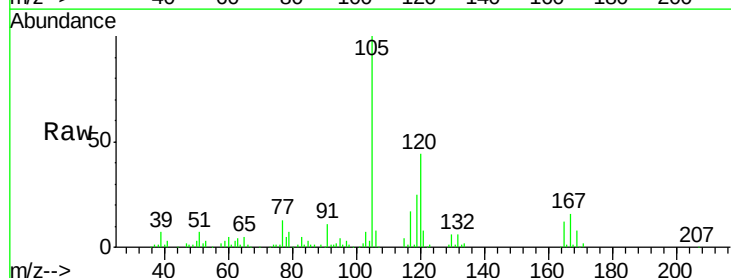
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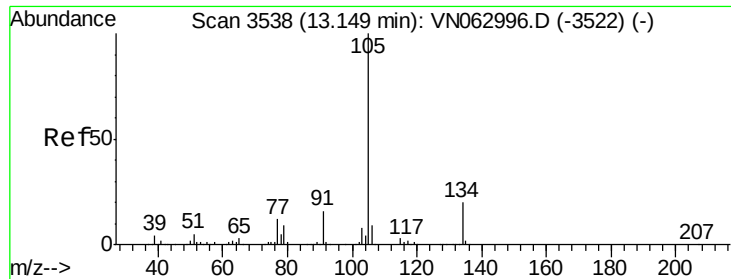
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.208 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.5	67.5





#85

sec-Butylbenzene

Concen: 19.911 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleID :

VN0821WBSD02

Tot Ion:105 Resp: 141558

Ion Ratio Lower Upper

105 100

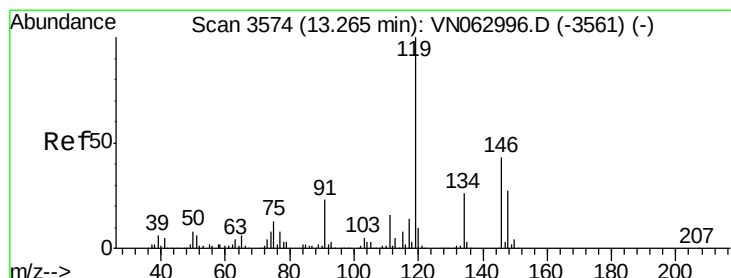
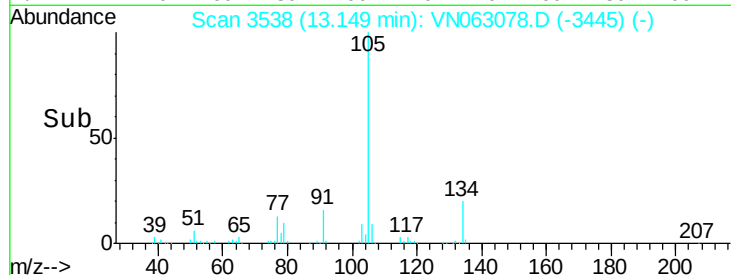
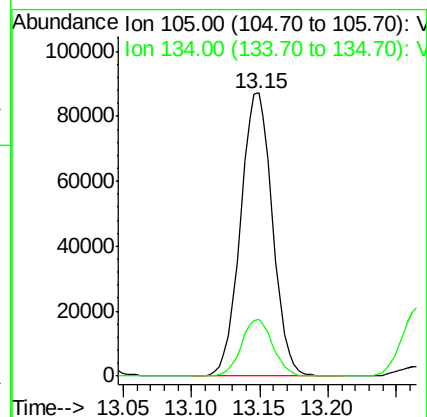
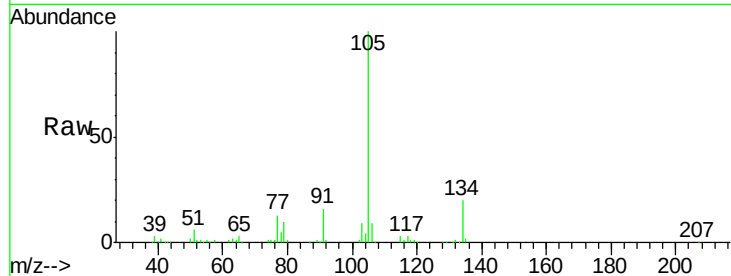
134 19.6 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.430 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

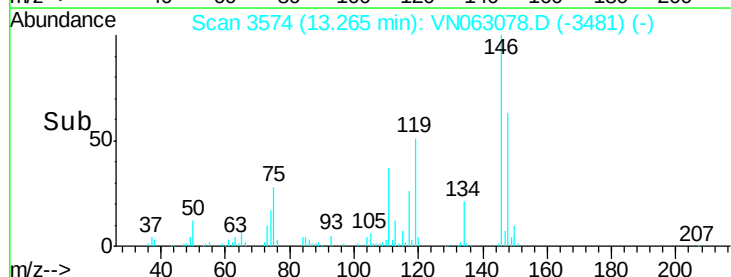
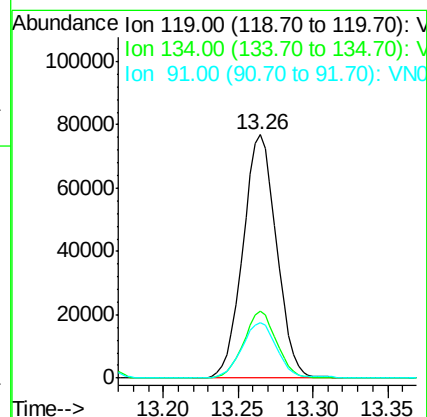
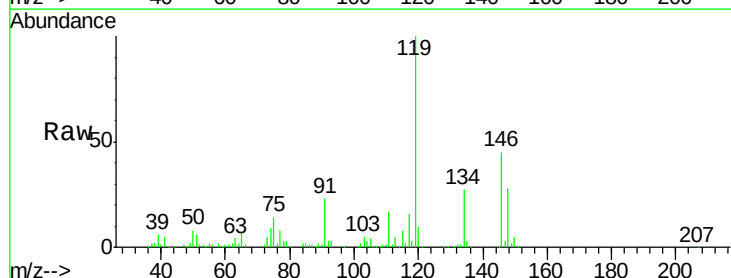
Tgt Ion:119 Resp: 120360

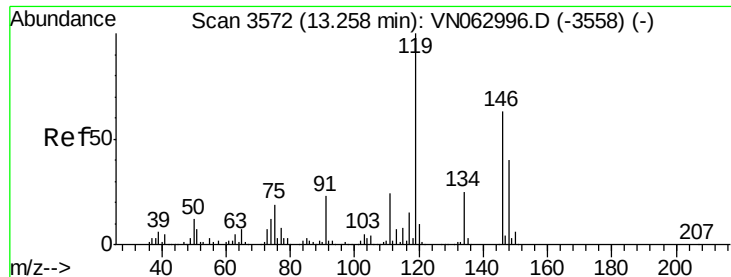
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 23.9 11.5 34.4





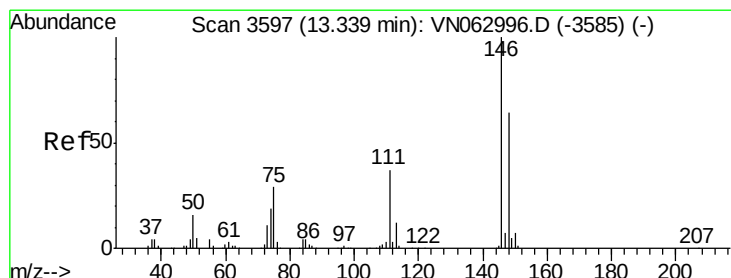
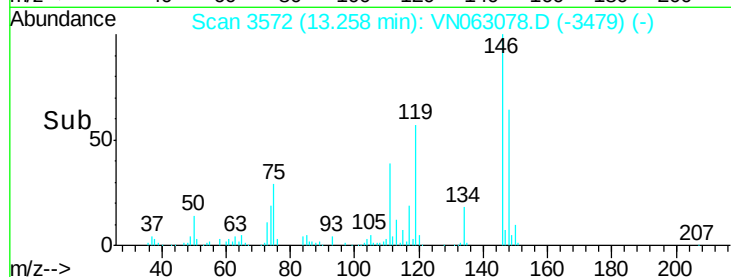
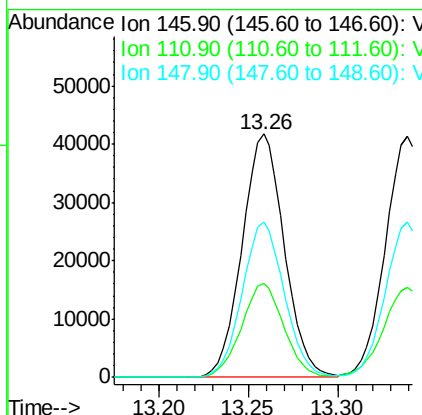
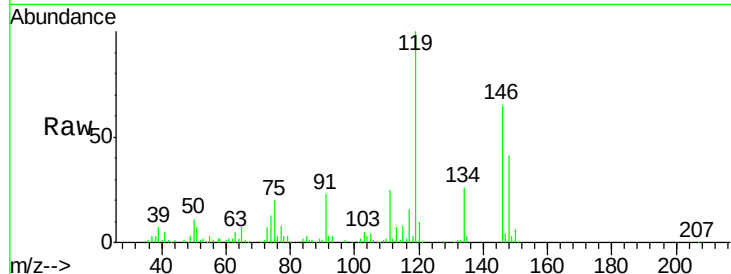
#87
 1,3-Dichlorobenzene
 Concen: 19.795 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	63.8	32.0	96.0

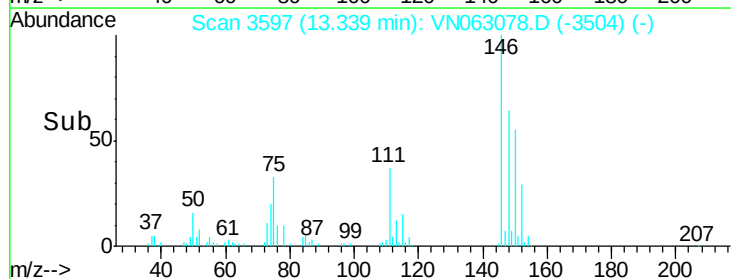
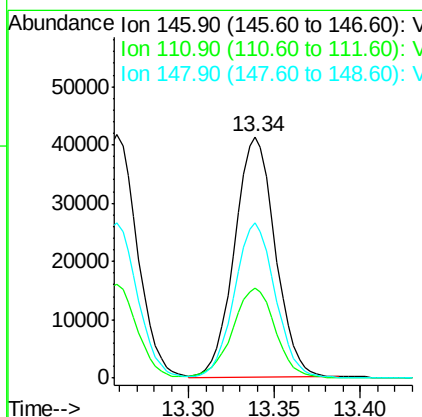
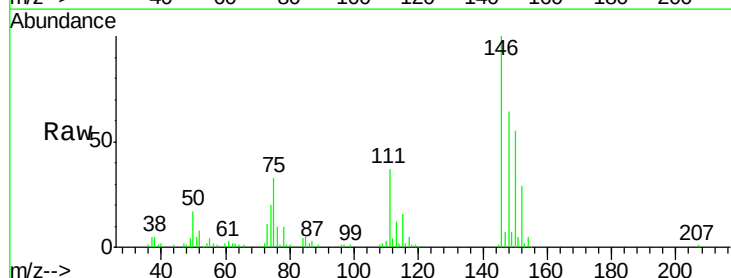
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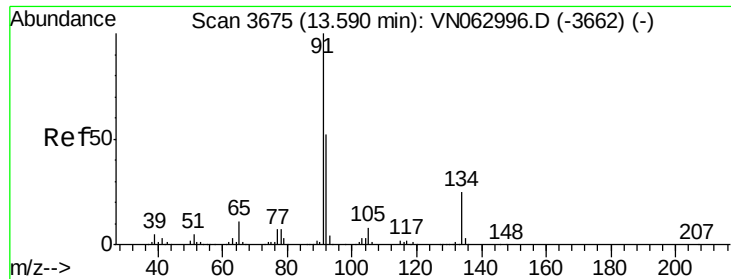
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#88
 1,4-Dichlorobenzene
 Concen: 19.176 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.8	56.4
148	65.3	32.4	97.0





#89

n-Butylbenzene

Concen: 17.818 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

Instrument :

MSVOA_N

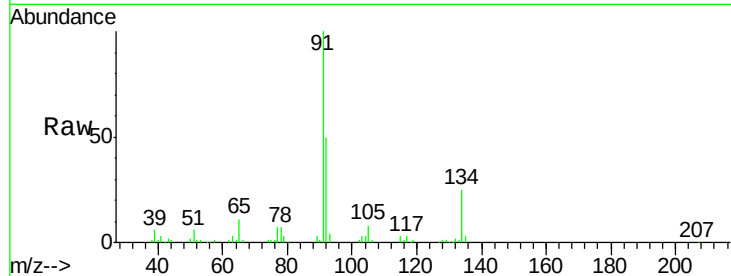
ClientSampleId :

VN0821WBSD02

Tot Ion:	91	Resp:	93528
Ion Ratio	Lower	Upper	
91	100		
92	50.6	25.9	77.6
134	24.0	12.4	37.0

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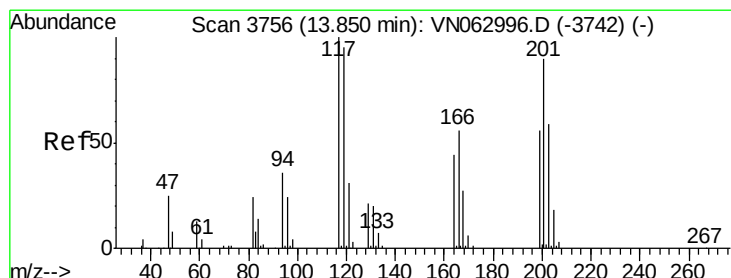
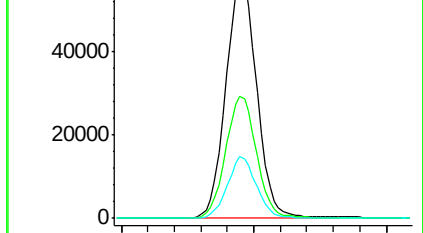
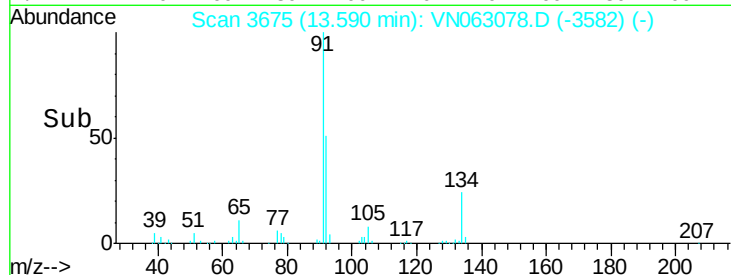


Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3662) (-)

Ion 92.00 (91.70 to 92.70): VN062996.D (-3662) (-)

Ion 134.00 (133.70 to 134.70): VN062996.D (-3662) (-)

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 19.025 ug/l

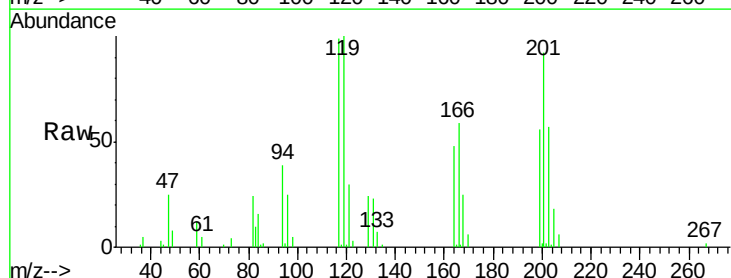
RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN063078.D

Acq: 21 Aug 2020 14:15

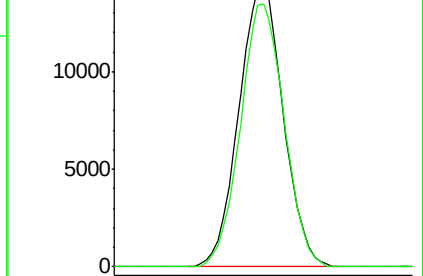
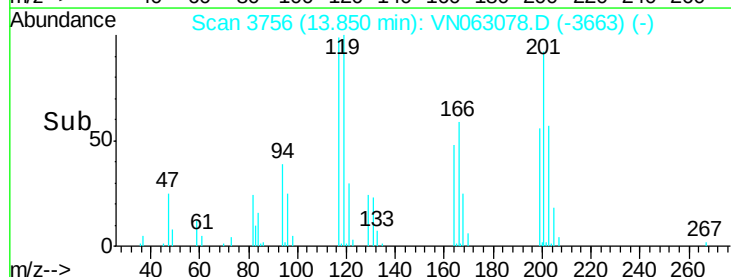
Tgt Ion:	117	Resp:	25049
Ion Ratio	Lower	Upper	
117	100		
201	92.1	44.1	132.4

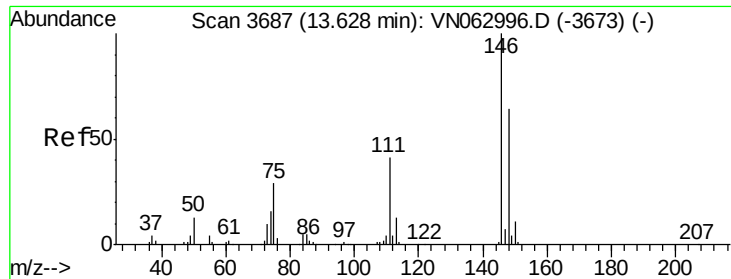


Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062996.D (-3742) (-)

Time--> 13.80 13.85 13.90





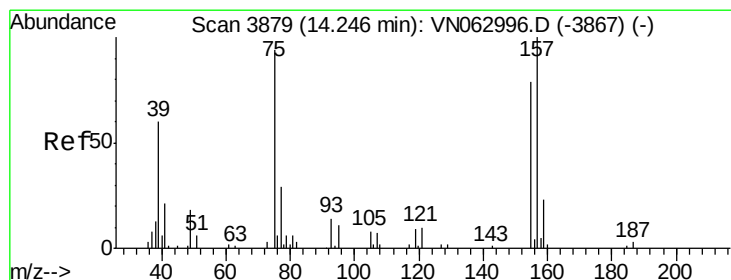
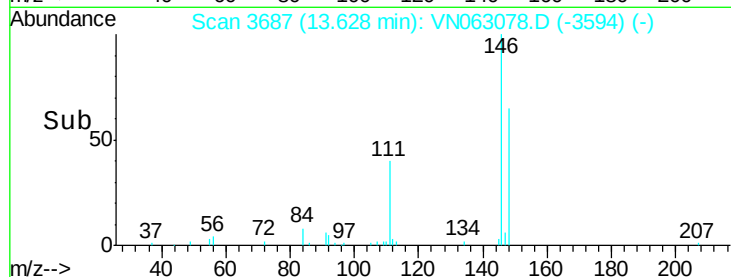
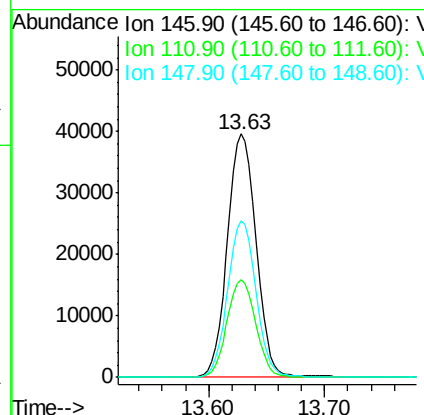
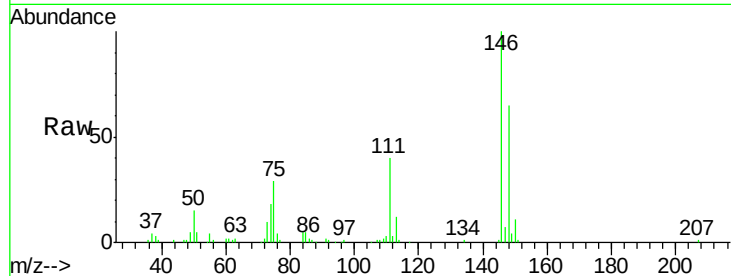
#91
 1,2-Dichlorobenzene
 Concen: 20.210 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.5
148	63.2	31.9	95.5

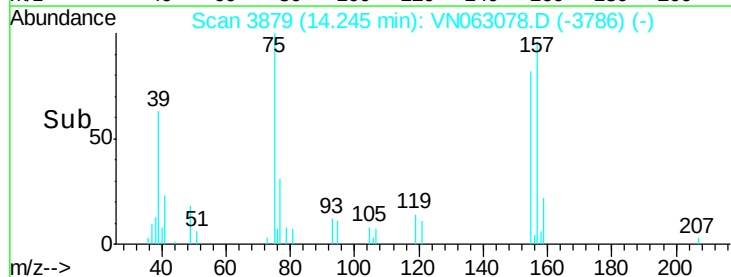
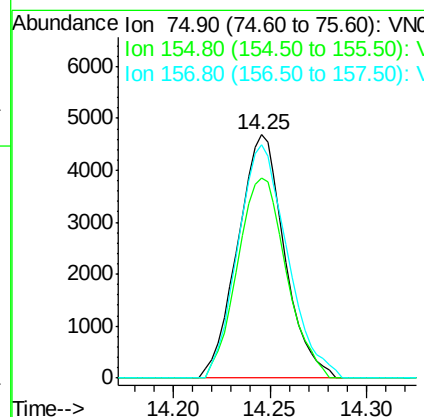
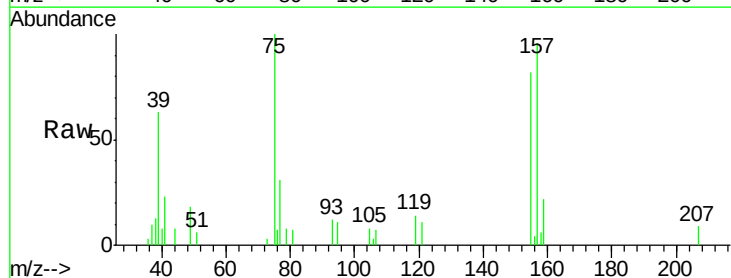
Manual Integrations
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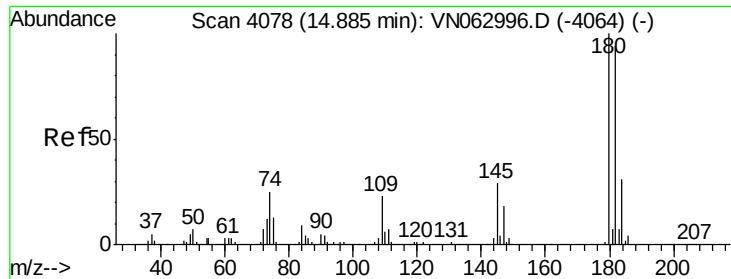
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.233 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	42.4	127.1
157	101.1	55.2	165.6





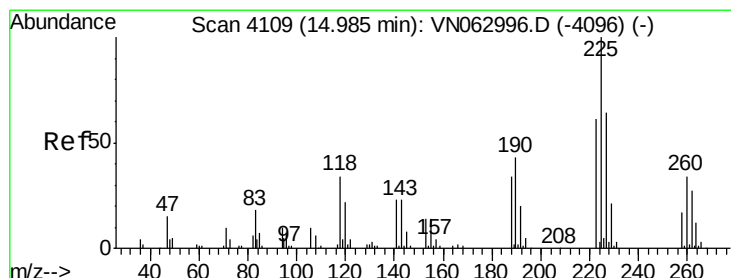
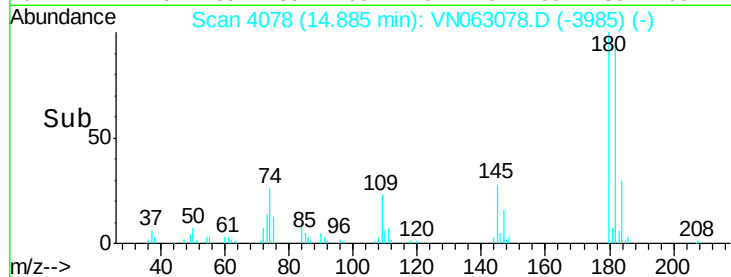
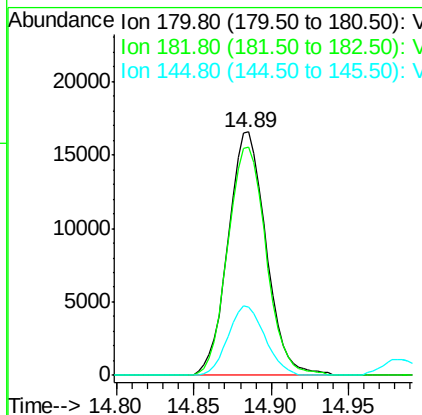
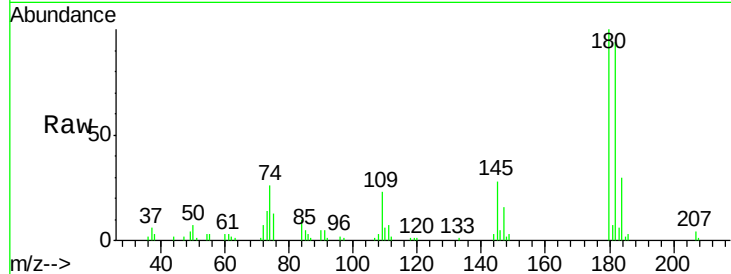
#93
 1,2,4-Trichlorobenzene
 Concen: 18.275 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	28180		
182	95.1	47.0	141.2	
145	27.7	14.1	42.4	

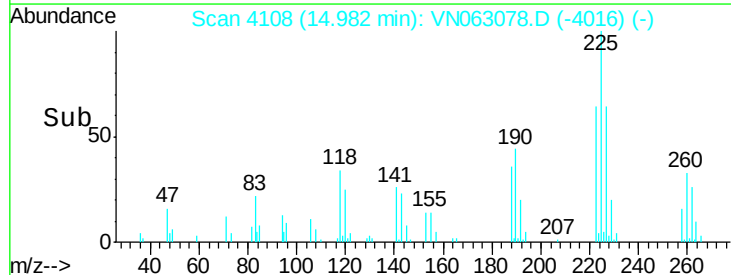
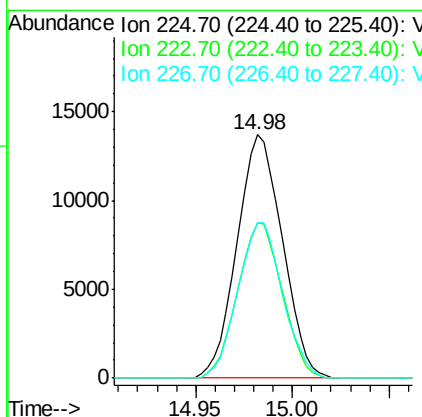
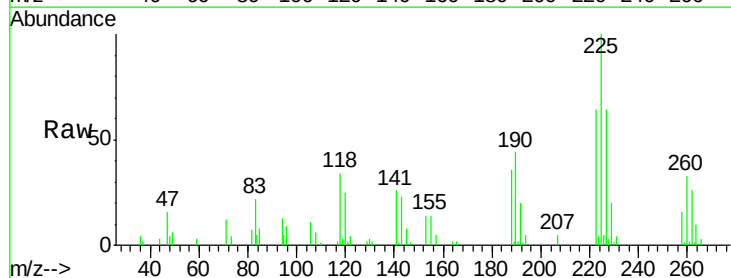
Manual Integrations
 APPROVED

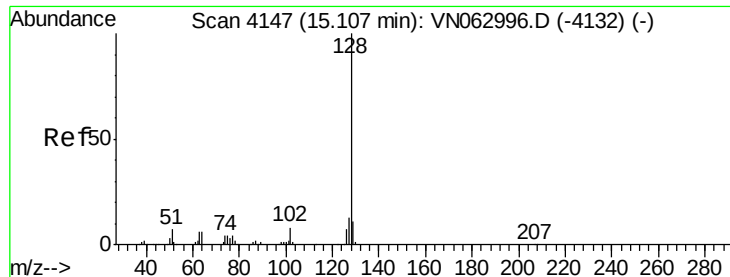
sam
 8/24/2020 5:52:25 PM



#94
 Hexachlorobutadiene
 Concen: 17.992 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063078.D
 Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22380		
223	62.7	30.9	92.5	
227	62.8	31.9	95.9	





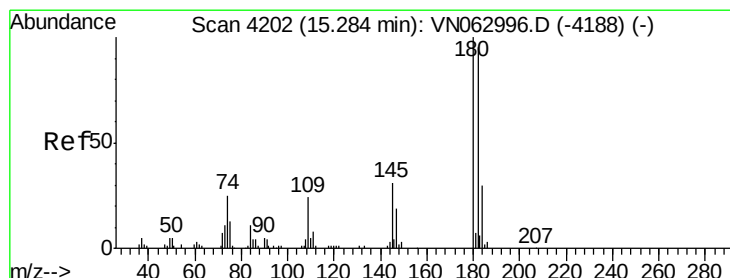
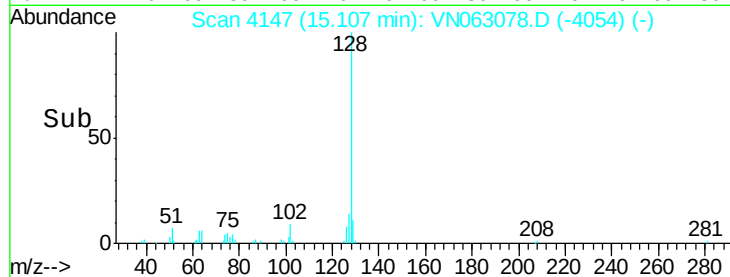
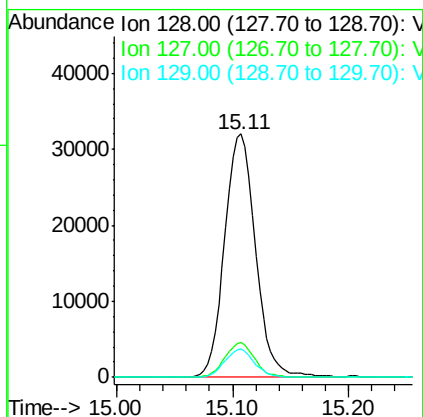
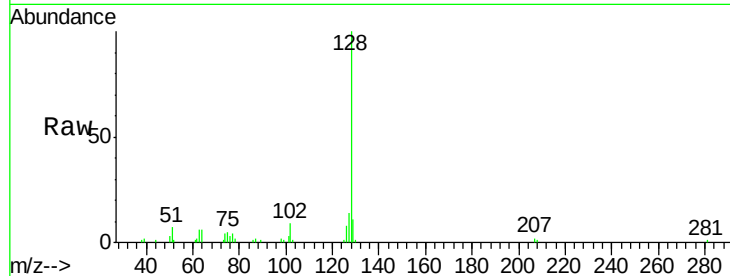
#95
Naphthalene
Concen: 17.829 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	10.9	8.9	13.3

Manual Integrations
APPROVED

sam
8/24/2020 5:52:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.251 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN063078.D
Acq: 21 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.3	141.9
145	33.1	15.6	46.7

