

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064894.D
 Acq On : 3 Dec 2020 12:42
 Operator : JC/MD
 Sample : VN1203MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBS01

Manual Integrations
 APPROVED

SAM
 12/4/2020 5:43:35 PM

Quant Time: Dec 04 03:39:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	214716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	331682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	303387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	149380	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	98766	39.57	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	79.14%
35) Dibromofluoromethane	7.55	113	85241	42.95	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	85.90%
50) Toluene-d8	10.06	98	330628	40.77	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	81.54%
62) 4-Bromofluorobenzene	12.37	95	116840	40.26	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	80.52%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31914	17.150	ug/l	99
3) Chloromethane	2.04	50	41632	17.216	ug/l	99
4) Vinyl Chloride	2.17	62	44816	17.776	ug/l	96
5) Bromomethane	2.53	94	29206	17.657	ug/l	100
6) Chloroethane	2.67	64	28764	18.446	ug/l	97
7) Trichlorofluoromethane	2.99	101	66071	18.958	ug/l	96
8) Diethyl Ether	3.37	74	26527	19.283	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	41102	19.660	ug/l	97
10) Methyl Iodide	3.91	142	47091	17.366	ug/l	97
11) Tert butyl alcohol	4.74	59	33675	86.503	ug/l	98
12) 1,1-Dichloroethene	3.69	96	39487	18.965	ug/l	96
13) Acrolein	3.56	56	19077	80.228	ug/l	95
14) Allyl chloride	4.27	41	63153	18.390	ug/l	97
15) Acrylonitrile	4.93	53	102753	95.546	ug/l	99
16) Acetone	3.78	43	71951	87.684	ug/l	98
17) Carbon Disulfide	4.01	76	94953	17.666	ug/l	99
18) Methyl Acetate	4.28	43	47942	19.432	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	128536	19.248	ug/l	100
20) Methylene Chloride	4.50	84	48875	19.008	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	41897	18.120	ug/l	94
22) Diisopropyl ether	5.90	45	137233	19.965	ug/l	99
23) Vinyl Acetate	5.84	43	532146	96.813	ug/l	100
24) 1,1-Dichloroethane	5.80	63	81642	19.874	ug/l	100
25) 2-Butanone	6.78	43	126180	94.858	ug/l	100
26) 2,2-Dichloropropane	6.77	77	68703	19.283	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	49433	19.000	ug/l	99
28) Bromochloromethane	7.15	49	37687	20.054	ug/l	96
29) Tetrahydrofuran	7.17	42	83380	90.806	ug/l	99
30) Chloroform	7.33	83	84013	19.832	ug/l	99
31) Cyclohexane	7.61	56	63497	18.251	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	70334	19.331	ug/l	99
36) 1,1-Dichloropropene	7.75	75	59703	19.420	ug/l	98
37) Ethyl Acetate	6.88	43	55060	18.592	ug/l #	92
38) Carbon Tetrachloride	7.73	117	63512	19.855	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	63315	19.131	ug/l	99
40) Benzene	8.00	78	184416	19.575	ug/l	99
41) Methacrylonitrile	7.12	41	23041	16.862	ug/l	98
42) 1,2-Dichloroethane	8.08	62	61282	19.283	ug/l	100
43) Isopropyl Acetate	8.13	43	88054	18.478	ug/l	99
44) Trichloroethene	8.80	130	53442	19.226	ug/l	100
45) 1,2-Dichloropropane	9.08	63	48969	20.072	ug/l	96
46) Dibromomethane	9.17	93	32574	19.985	ug/l	97
47) Bromodichloromethane	9.37	83	64416	19.642	ug/l	95
48) Methyl methacrylate	9.16	41	42192	18.529	ug/l	96
49) 1,4-Dioxane	9.16	88	15585	362.135	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	274719	96.027	ug/l	99
52) Toluene	10.12	92	115488	19.906	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	69584	19.050	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	77762	19.861	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	47451	19.889	ug/l	97
56) Ethyl methacrylate	10.40	69	62088	18.859	ug/l	98
57) 1,3-Dichloropropane	10.68	76	80053	20.341	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	163161	90.096	ug/l	99
59) 2-Hexanone	10.72	43	199040	96.673	ug/l	98
60) Dibromochloromethane	10.87	129	51606	19.460	ug/l	98
61) 1,2-Dibromoethane	10.97	107	48743	20.110	ug/l	96
64) Tetrachloroethene	10.60	164	58819	19.927	ug/l	96
65) Chlorobenzene	11.40	112	129218	19.833	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	49517	20.681	ug/l	99
67) Ethyl Benzene	11.48	91	213016	19.571	ug/l	100
68) m/p-Xylenes	11.59	106	168192	40.816	ug/l	96
69) o-Xylene	11.92	106	77635	19.853	ug/l	99
70) Styrene	11.94	104	134977	20.447	ug/l	98
71) Bromoform	12.10	173	36894	19.292	ug/l #	97
73) Isopropylbenzene	12.22	105	212237	20.426	ug/l	100
74) N-amyl acetate	12.04	43	73969	18.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	59809	19.639	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	60503m	18.807	ug/l	
77) Bromobenzene	12.50	156	54607	19.494	ug/l	98
78) n-propylbenzene	12.56	91	237800	20.090	ug/l	97
79) 2-Chlorotoluene	12.65	91	143060	19.552	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	179575	20.793	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	22181	18.897	ug/l	98
82) 4-Chlorotoluene	12.74	91	150954	19.683	ug/l	99
83) tert-Butylbenzene	12.96	119	149997	20.721	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	182166	20.862	ug/l	99
85) sec-Butylbenzene	13.14	105	198211	20.622	ug/l	99
86) p-Isopropyltoluene	13.26	119	181201	20.707	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	96714	19.433	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	97908	18.602	ug/l	97
89) n-Butylbenzene	13.59	91	148890	19.375	ug/l	99
90) Hexachloroethane	13.85	117	31368	20.635	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	97710	19.995	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	11930	17.410	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	54037	17.875	ug/l	99
94) Hexachlorobutadiene	14.98	225	28011	20.796	ug/l	98
95) Naphthalene	15.10	128	151274	16.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	52373	19.115	ug/l	97

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

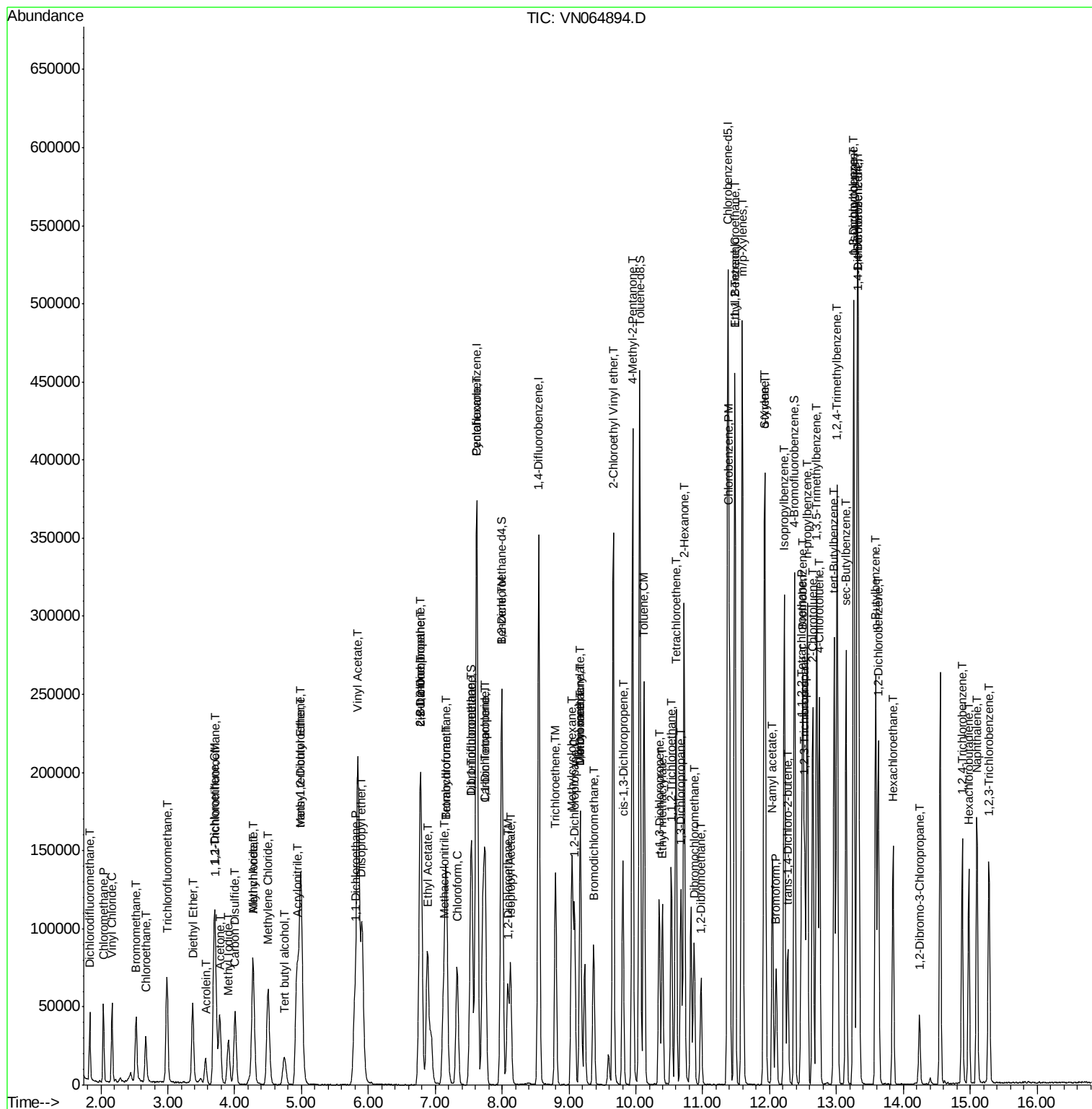
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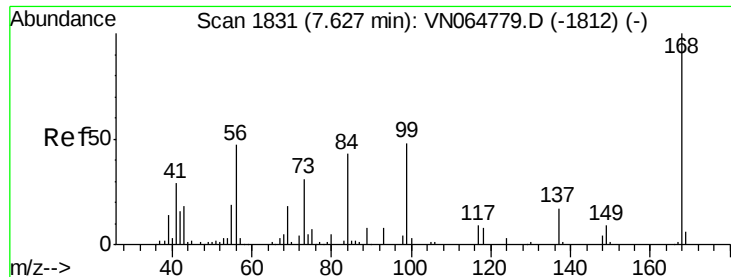
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MSVOA_N
Client Sample ID :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203MBS01

Tot Ion:168 Resp: 214716

Ion Ratio Lower Upper

168 100

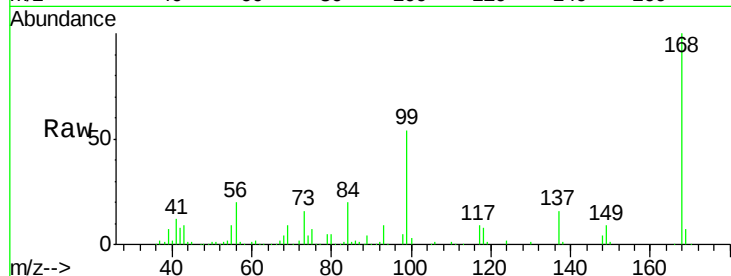
99 53.5 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

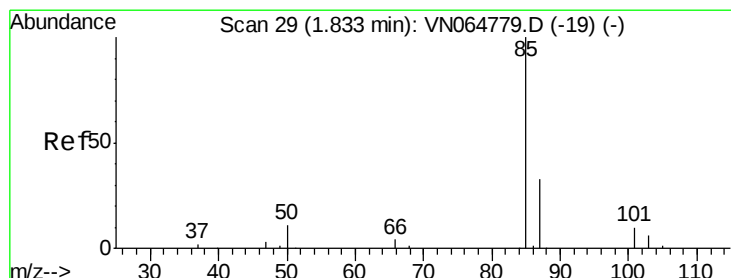
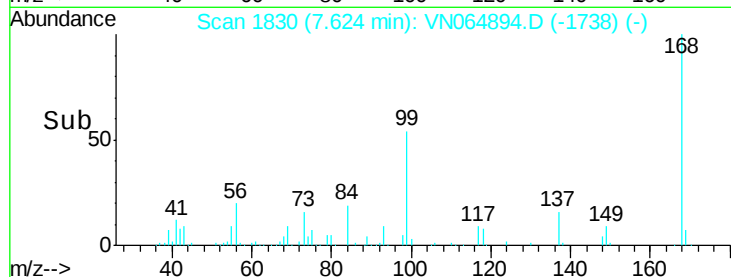
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 17.150 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064894.D

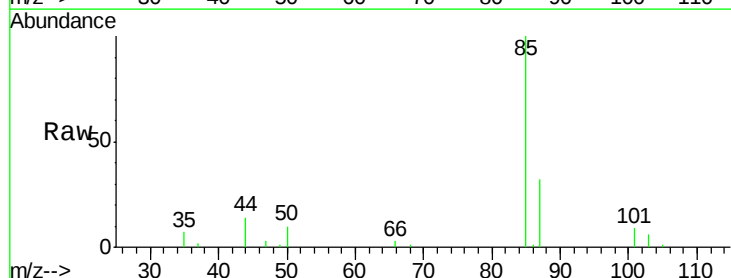
Acq: 3 Dec 2020 12:42

Tgt Ion: 85 Resp: 31914

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

25000

20000

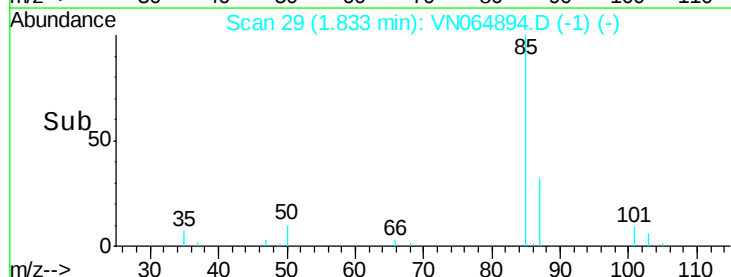
15000

10000

5000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.216 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203MBS01

Tot Ion: 50 Resp: 41632

Ion Ratio Lower Upper

50 100

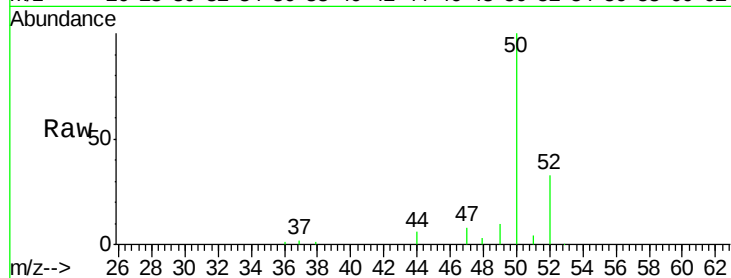
52 32.6 26.6 39.8

Manual Integrations

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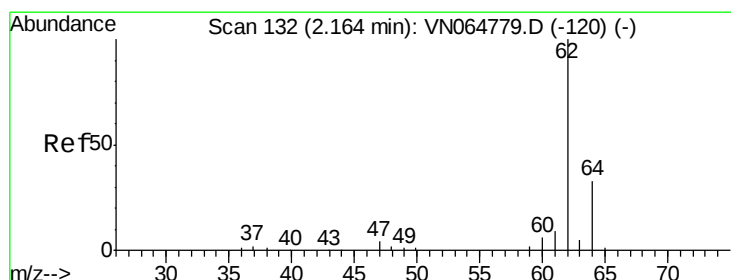
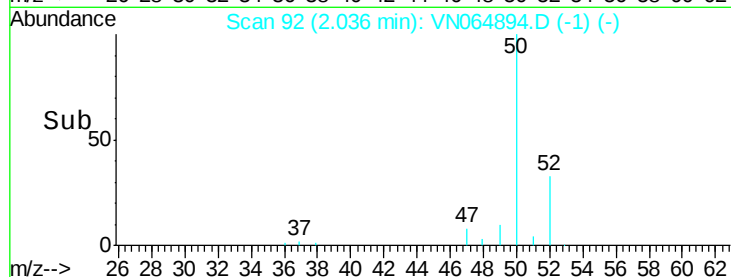
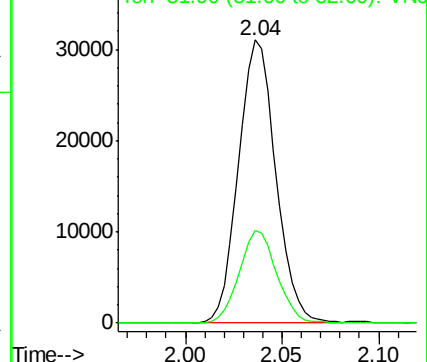
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.776 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064894.D

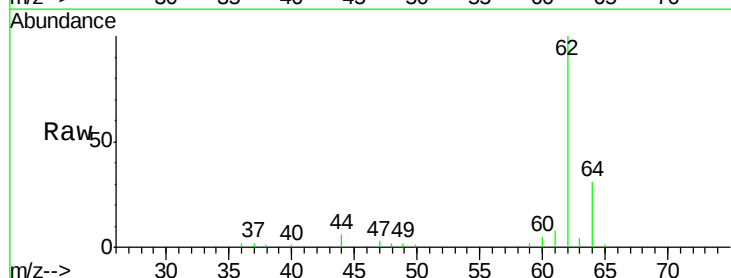
Acq: 3 Dec 2020 12:42

Tgt Ion: 62 Resp: 44816

Ion Ratio Lower Upper

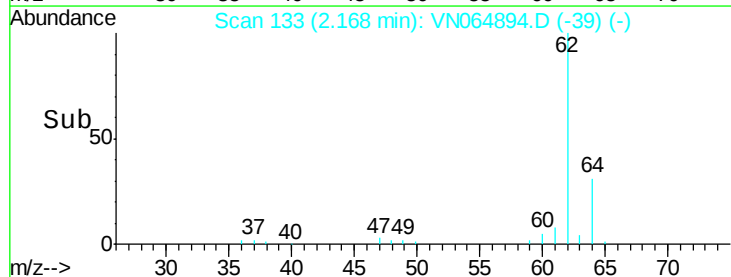
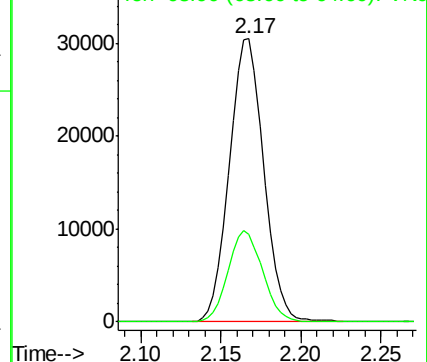
62 100

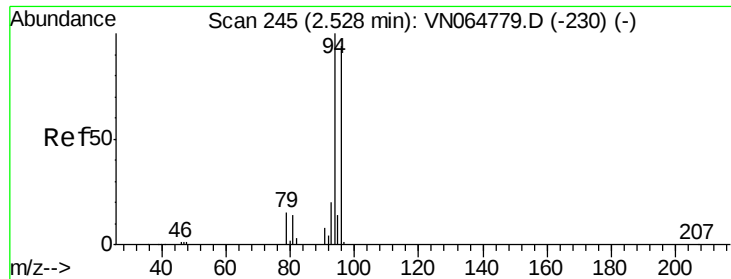
64 30.8 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.657 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203MBS01

Tot Ion: 94 Resp: 29206

Ion Ratio Lower Upper

94 100

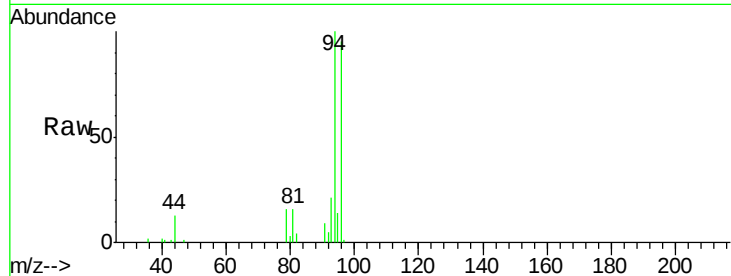
96 94.1 75.4 113.0

Manual Integrations

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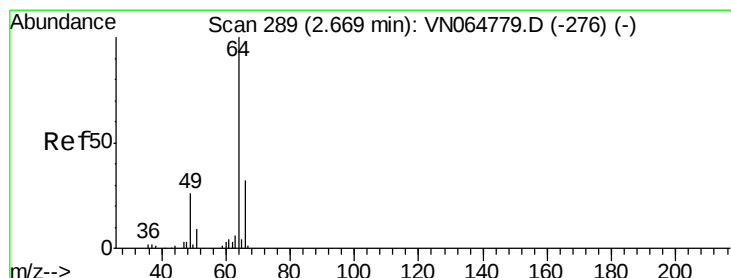
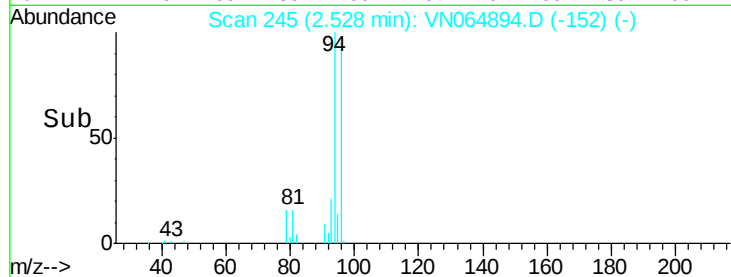
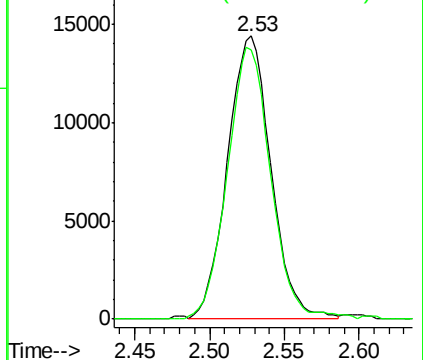
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.446 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064894.D

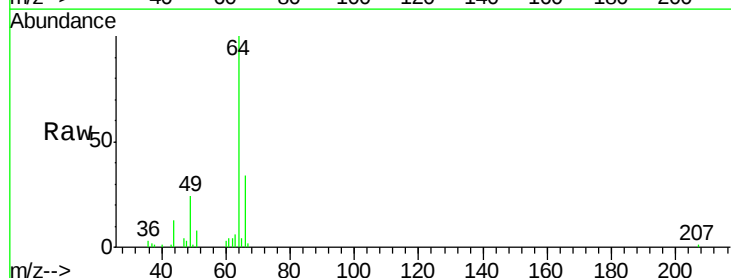
Acq: 3 Dec 2020 12:42

Tgt Ion: 64 Resp: 28764

Ion Ratio Lower Upper

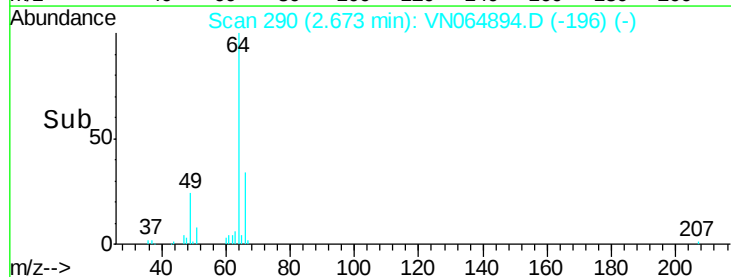
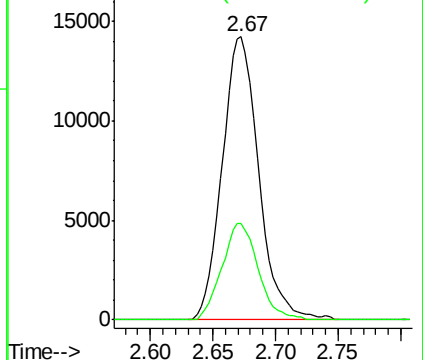
64 100

66 33.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

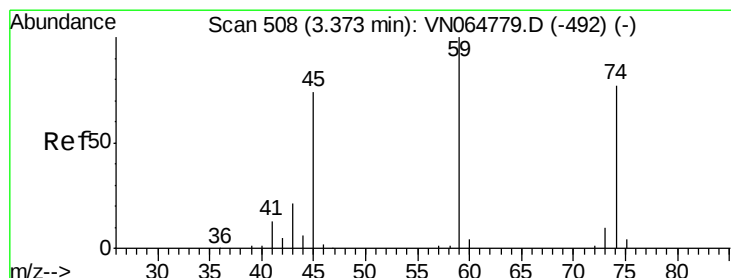
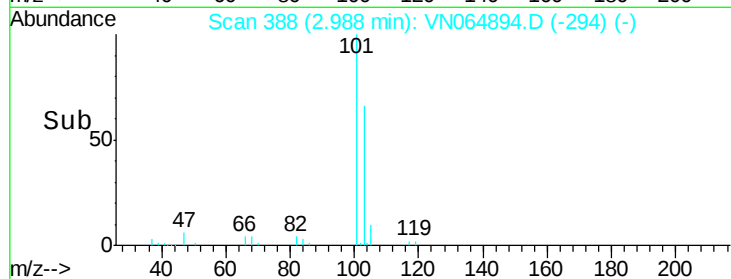
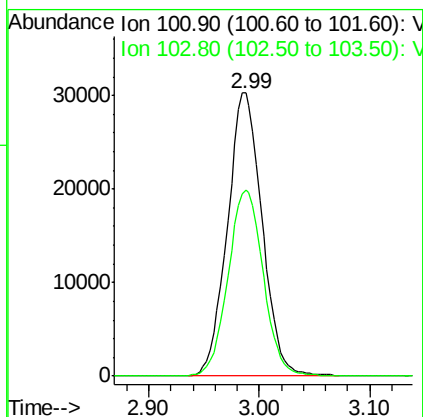
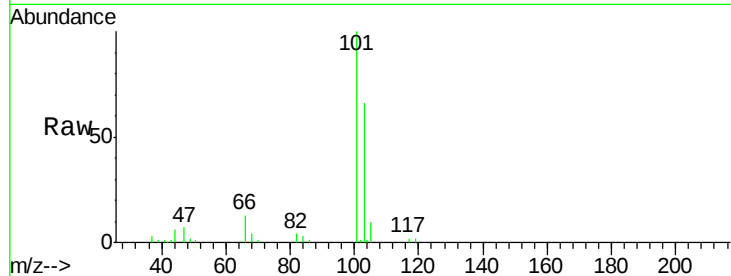
Trichlorofluoromethane
Concen: 18.958 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
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ClientSampleId :
VN1203MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	50.5	75.7

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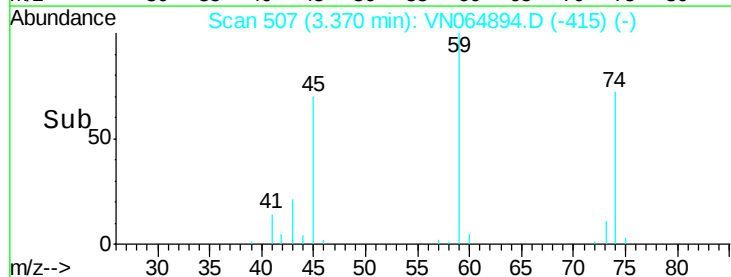
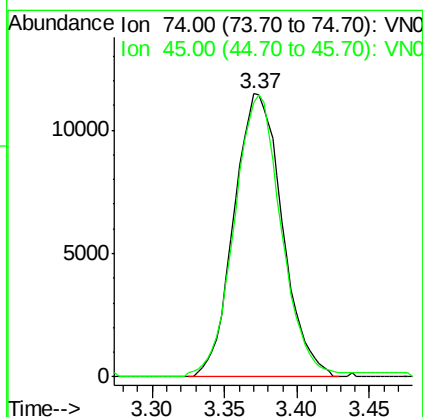
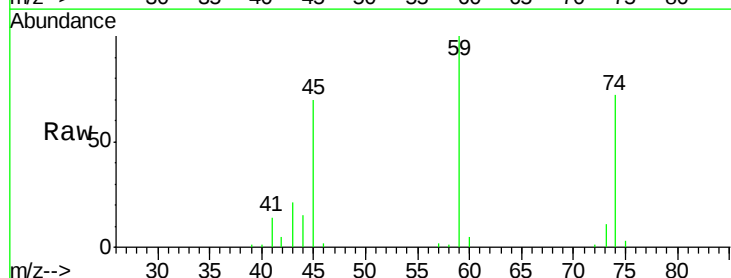
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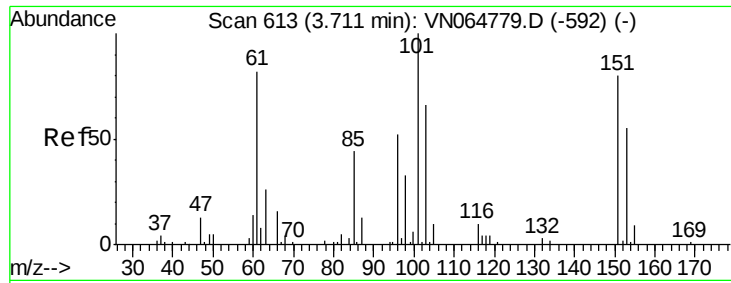


#8

Diethyl Ether
Concen: 19.283 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.660 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampleId :

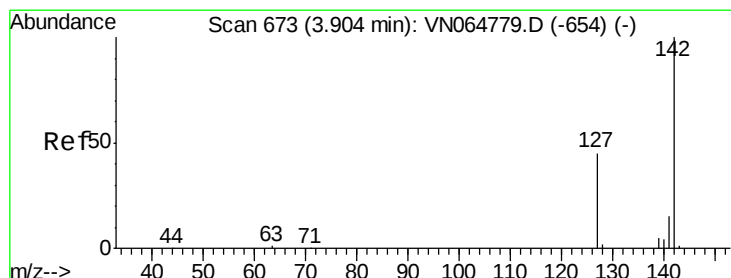
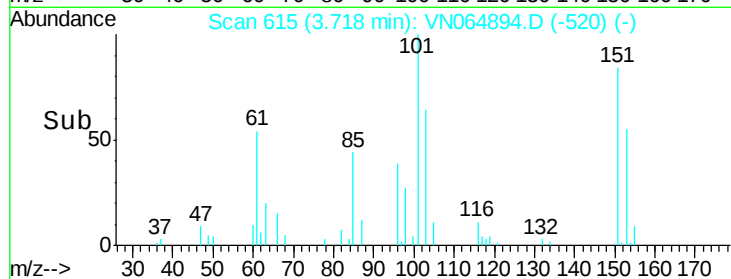
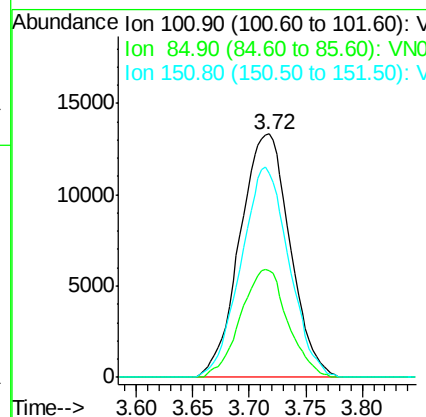
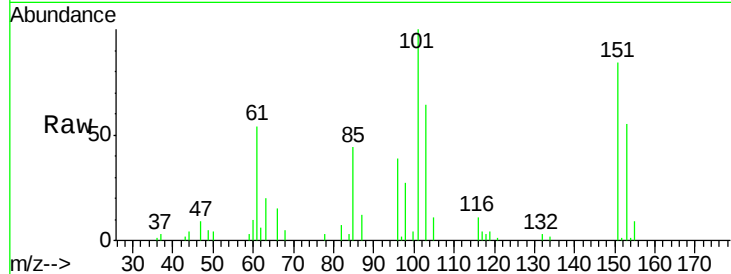
VN1203MBS01

Tot Ion:	101	Resp:	41102
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.4	51.6
151	82.7	64.0	96.0

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#10

Methyl Iodide

Concen: 17.366 ug/l

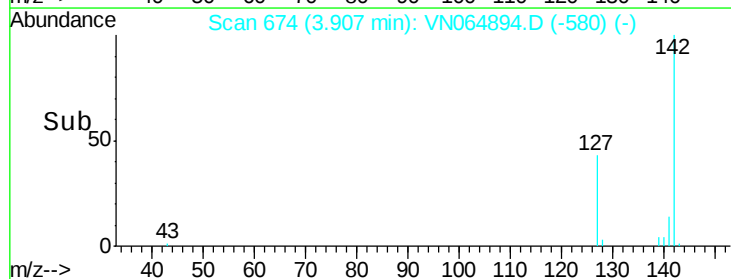
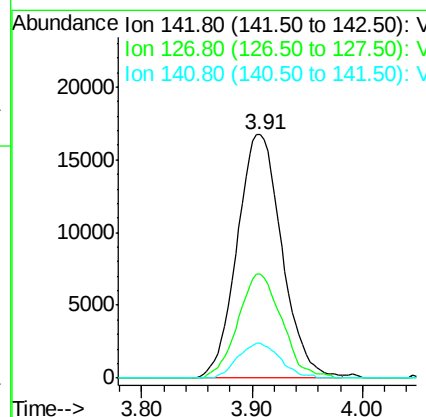
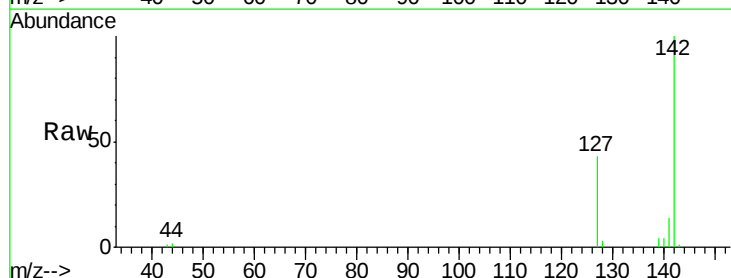
RT: 3.91 min Scan# 674

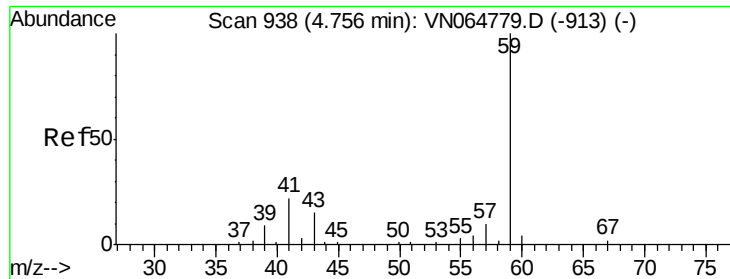
Delta R.T. 0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Tgt Ion:	142	Resp:	47091
Ion Ratio	Lower	Upper	
142	100		
127	41.8	35.0	52.6
141	13.6	11.8	17.6





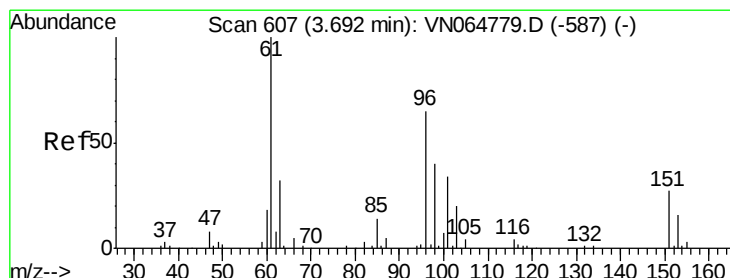
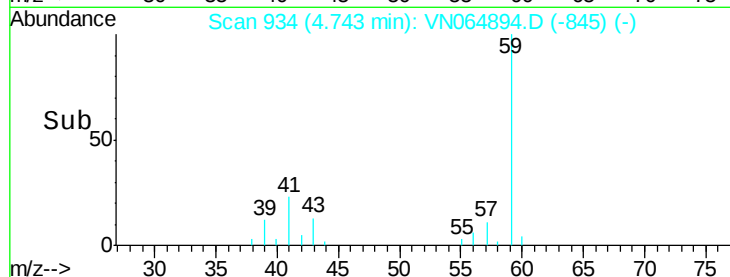
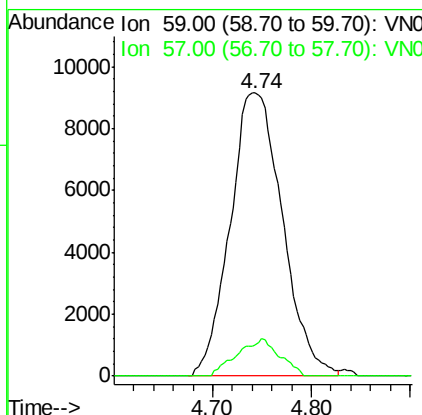
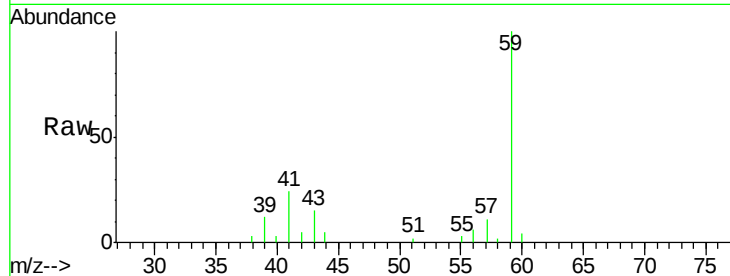
#11
Tert butyl alcohol
Concen: 86.503 ug/l
RT: 4.74 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion: 59 Resp: 33675
Ion Ratio Lower Upper
59 100
57 10.7 7.9 11.9

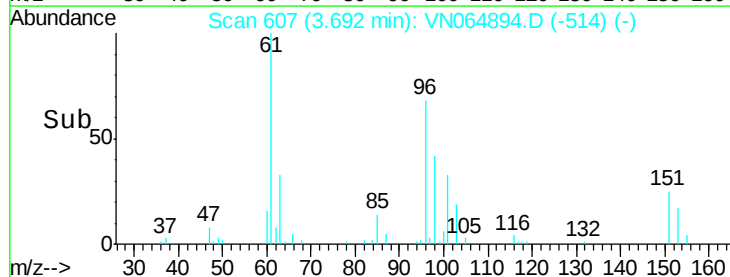
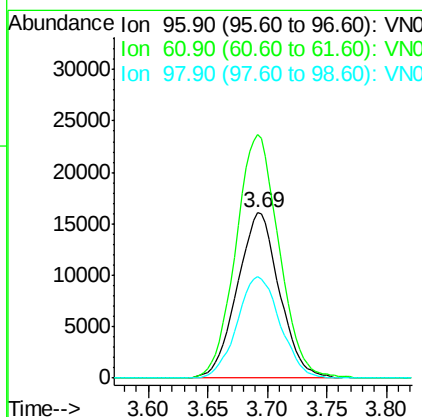
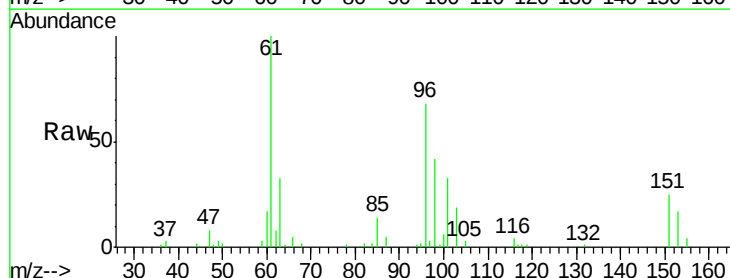
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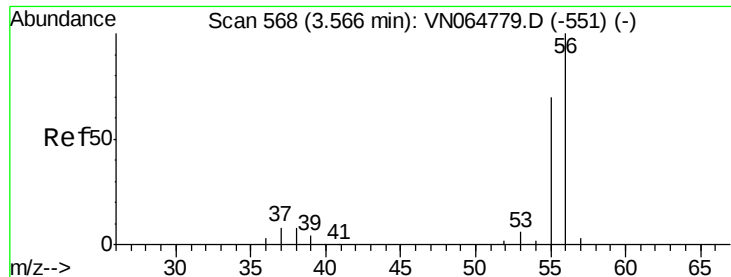
SAM
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#12
1,1-Dichloroethene
Concen: 18.965 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion: 96 Resp: 39487
Ion Ratio Lower Upper
96 100
61 147.5 123.4 185.2
98 61.2 49.8 74.8





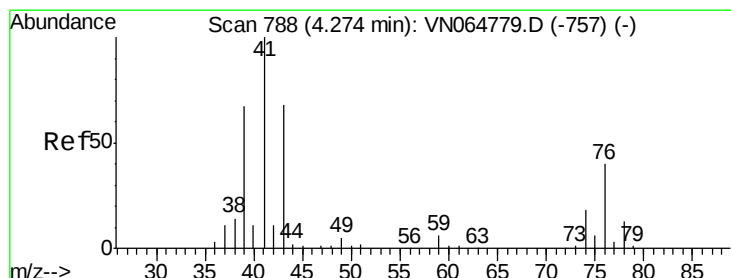
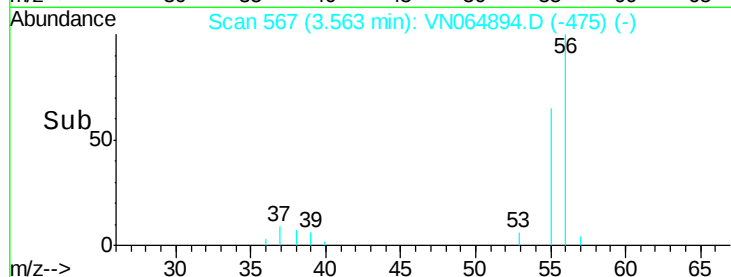
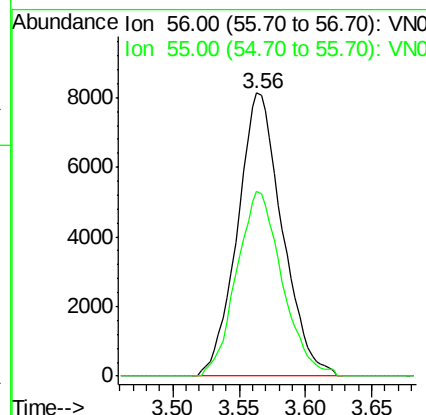
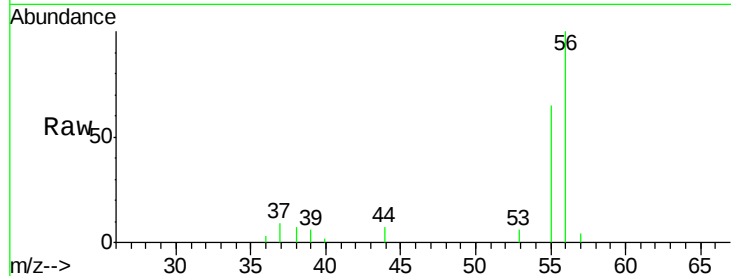
#13
Acrolein
Concen: 80.228 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion	56	Resp	19077
Ion Ratio	100	Lower	Upper
55	66.3	56.5	84.7

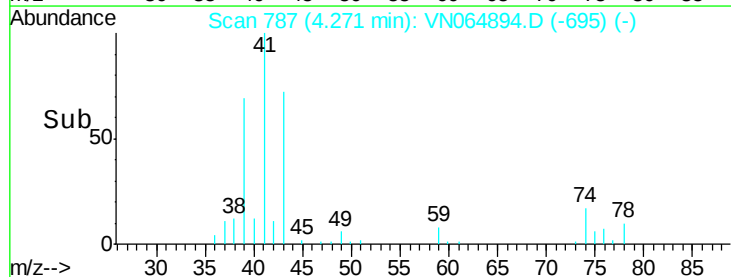
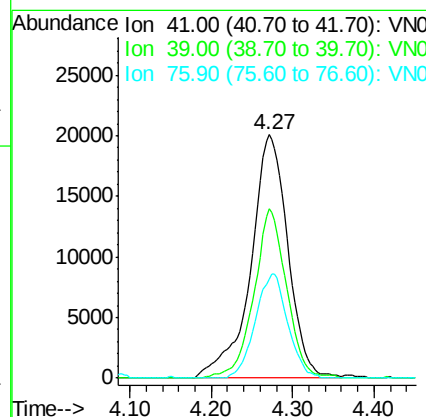
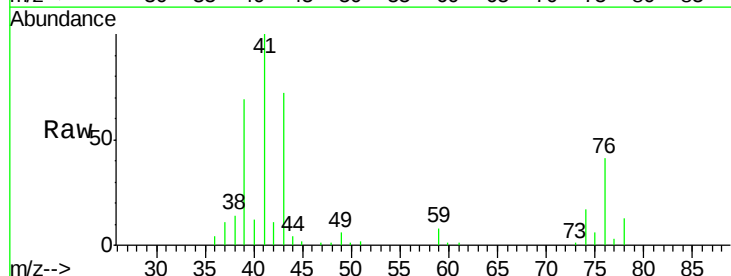
Manual Integrations
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#14
Allyl chloride
Concen: 18.390 ug/l
RT: 4.27 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	41	Resp	63153
Ion Ratio	100	Lower	Upper
39	60.9	50.9	76.3
76	37.1	29.0	43.4





#15

Acrylonitrile

Concen: 95.546 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

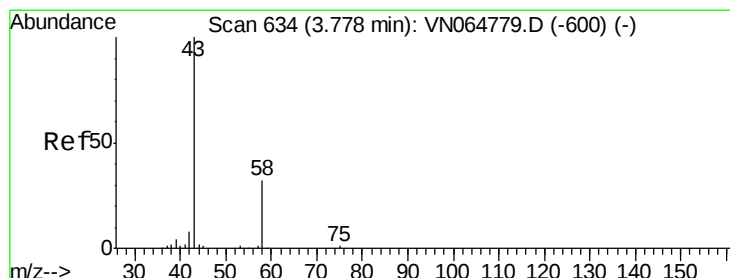
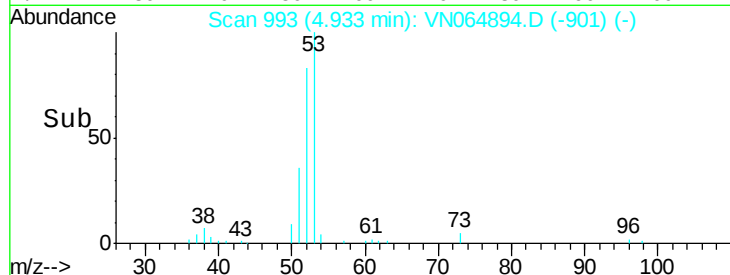
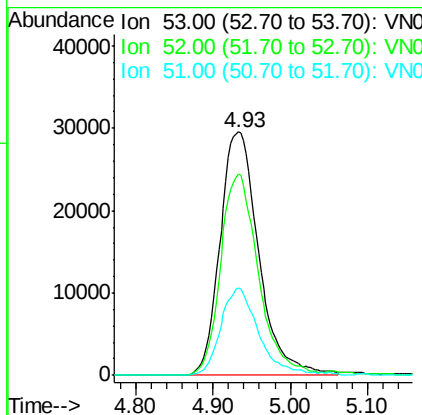
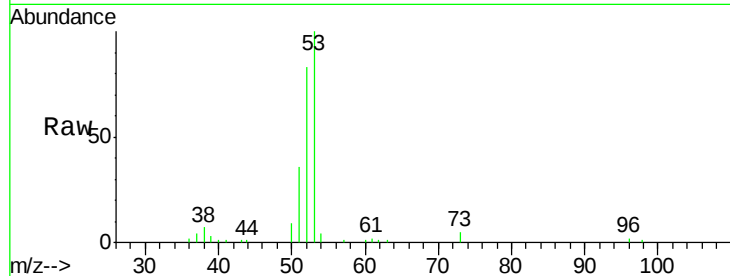
ClientSampleId :

VN1203MBS01

Tot Ion:	53	Resp:	102753
Ion Ratio	Lower	Upper	
53	100		
52	80.7	65.5	98.3
51	35.1	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 87.684 ug/l

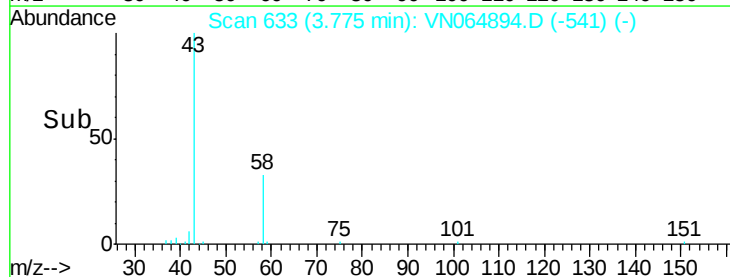
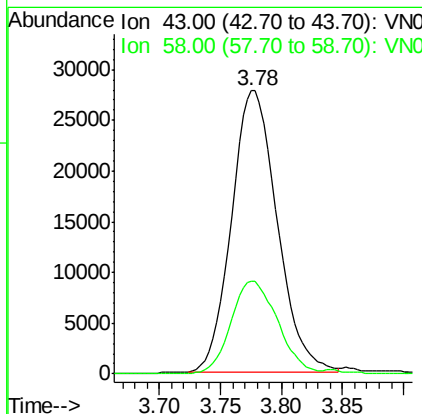
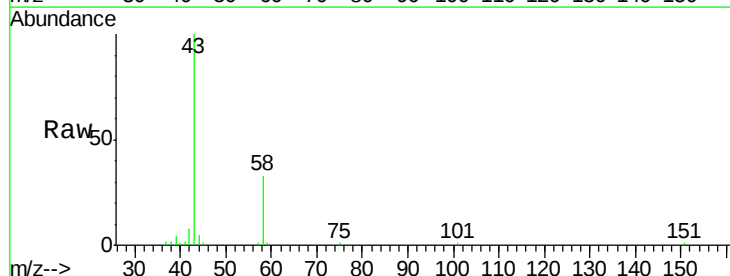
RT: 3.78 min Scan# 633

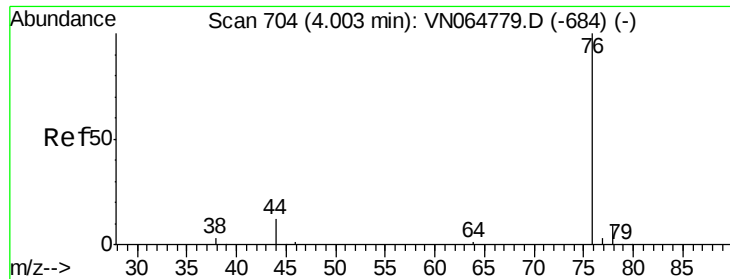
Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Tgt Ion:	43	Resp:	71951
Ion Ratio	Lower	Upper	
43	100		
58	33.1	25.7	38.5





#17

Carbon Disulfide

Concen: 17.666 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Tot Ion: 76 Resp: 94953

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

Instrument :

MSVOA_N

ClientSampled :

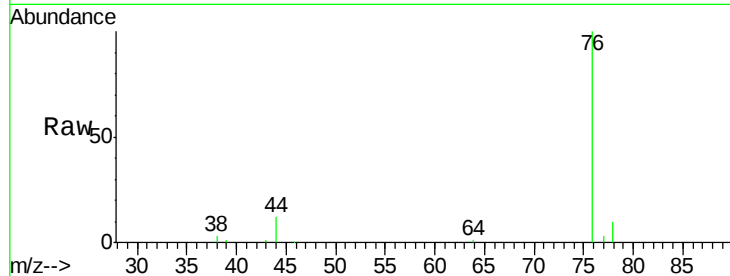
VN1203MBS01

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

4.01

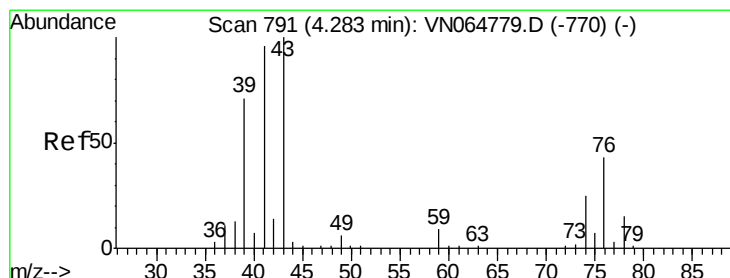
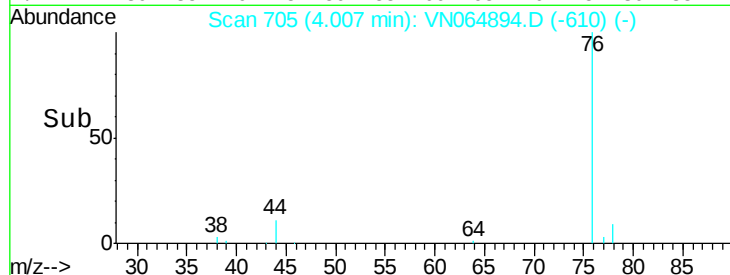
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 19.432 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064894.D

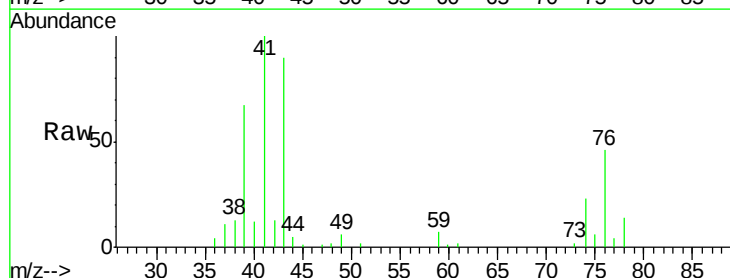
Acq: 3 Dec 2020 12:42

Tgt Ion: 43 Resp: 47942

Ion Ratio Lower Upper

43 100

74 23.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

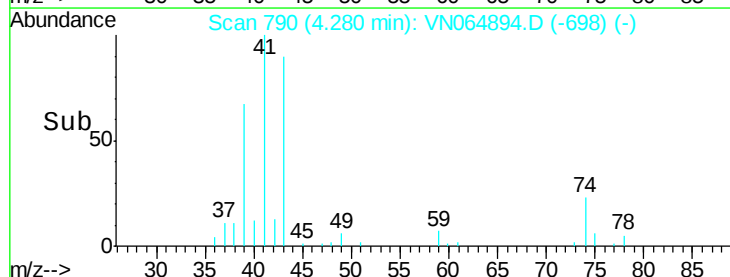
15000

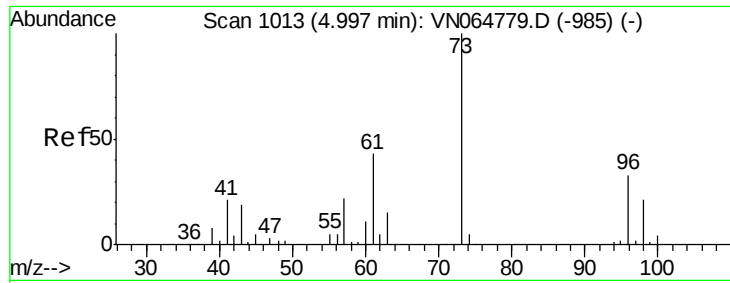
10000

5000

0

Time-->





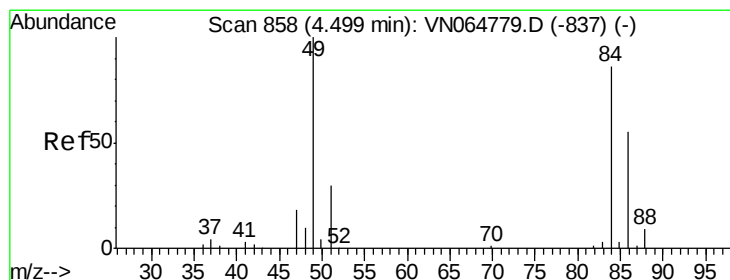
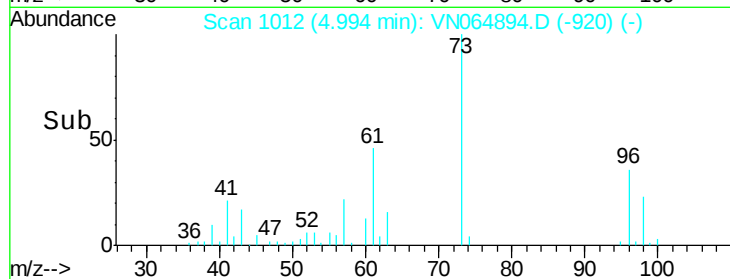
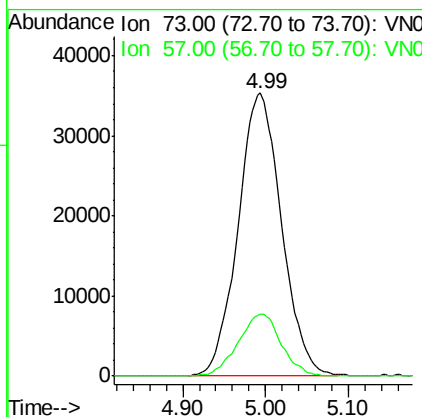
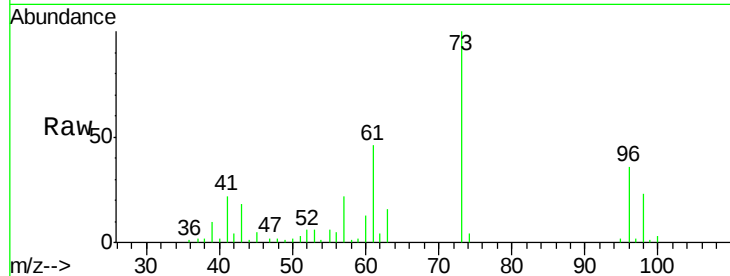
#19
Methvl tert-butvl Ether
Concen: 19.248 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion: 73 Resp: 128536
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.0

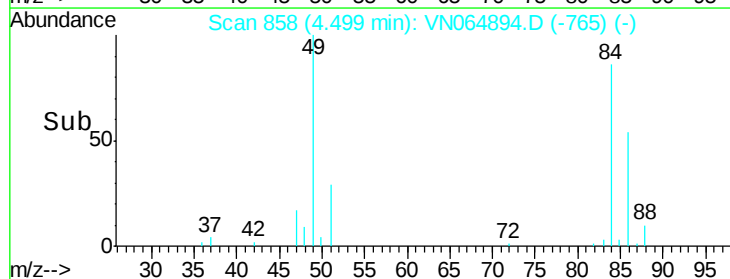
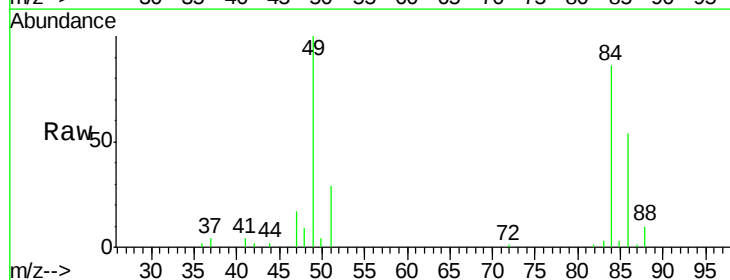
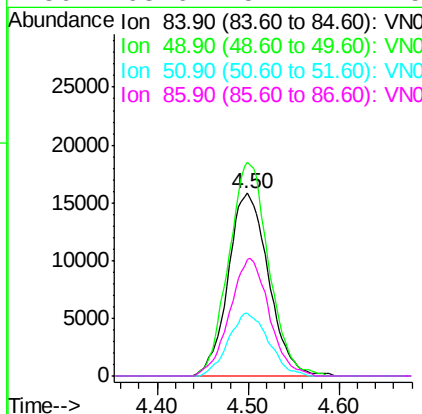
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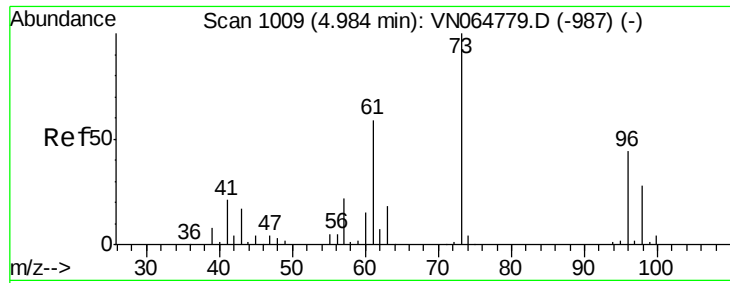
SAM
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#20
Methylene Chloride
Concen: 19.008 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion: 84 Resp: 48875
Ion Ratio Lower Upper
84 100
49 116.9 93.4 140.0
51 34.1 28.2 42.4
86 63.6 51.7 77.5





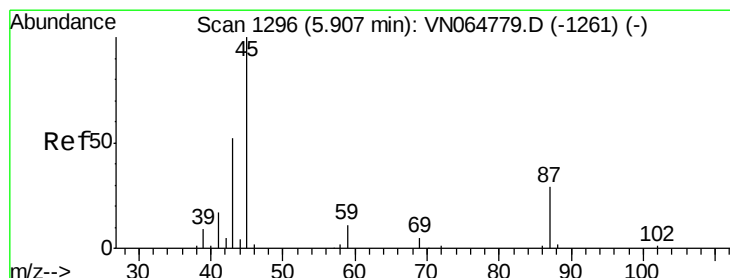
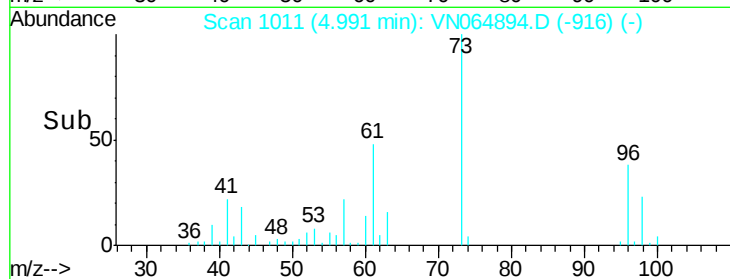
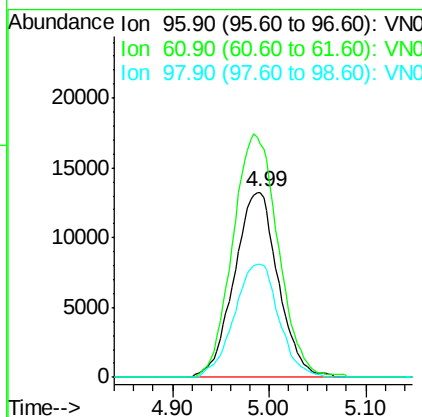
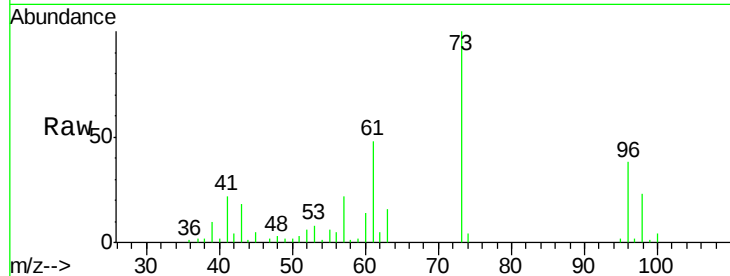
#21
trans-1,2-Dichloroethene
Concen: 18.120 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.6	108.4	162.6
98	61.2	51.3	76.9

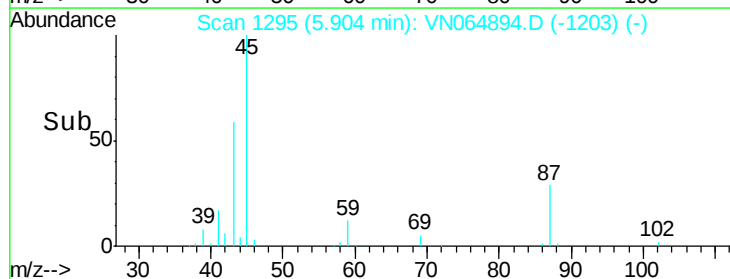
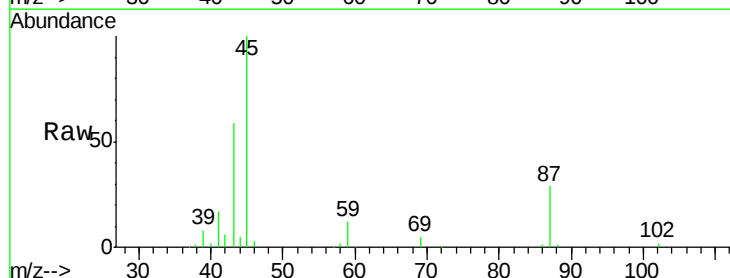
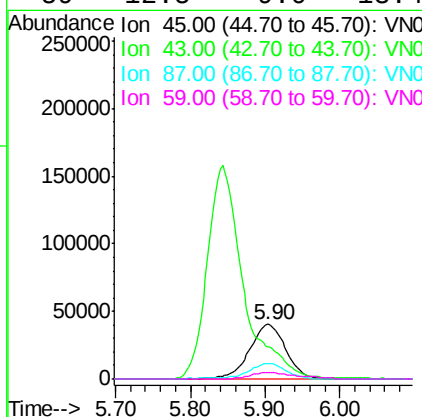
Manual Integrations
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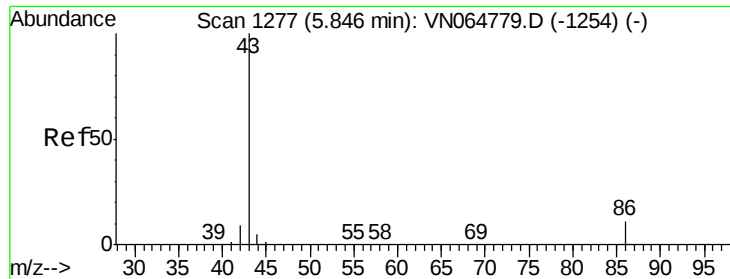
SAM
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#22
Diisopropyl ether
Concen: 19.965 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	46.2	69.2
87	29.3	24.1	36.1
59	12.5	9.0	13.4





#23

Vinyl Acetate

Concen: 96.813 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203MBS01

Tot Ion: 43 Resp: 532146

Ion Ratio Lower Upper

43 100

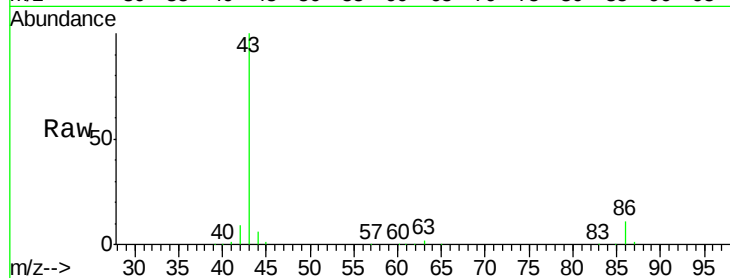
86 11.1 8.9 13.3

Manual Integrations

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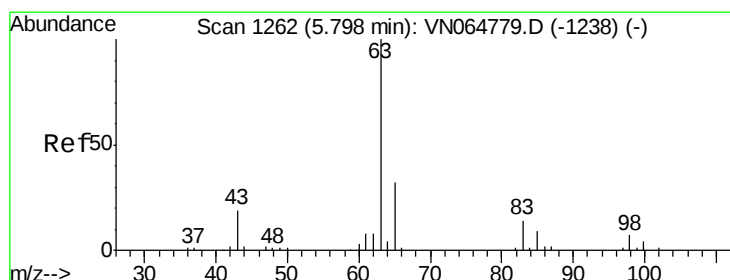
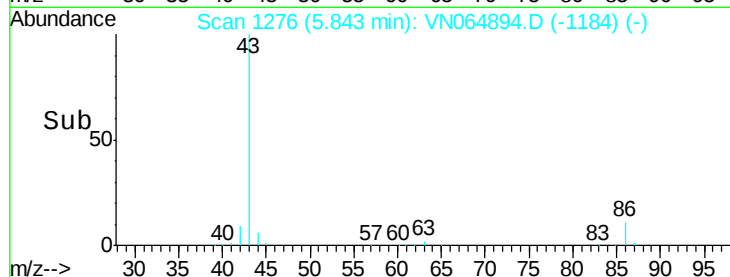
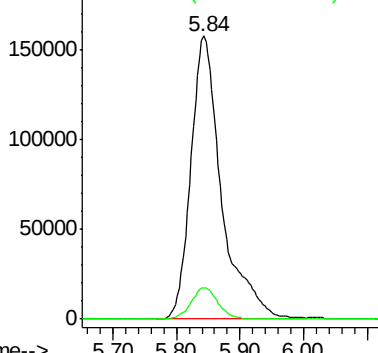
SAM

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.874 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

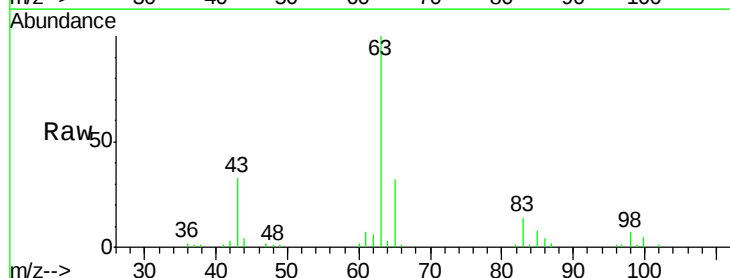
Tgt Ion: 63 Resp: 81642

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

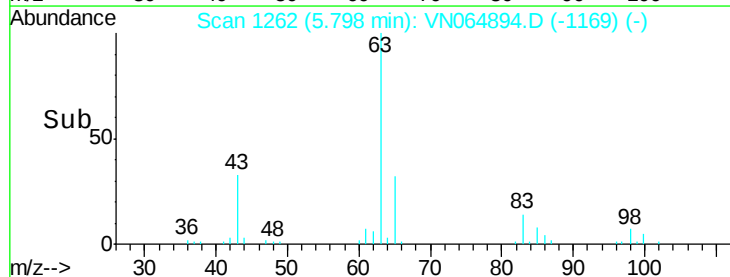
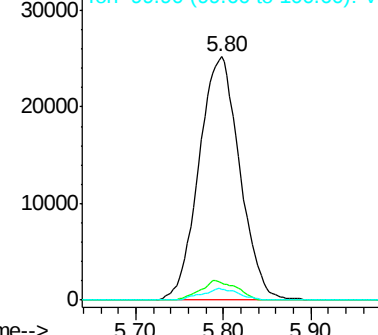
100 4.6 2.3 6.8

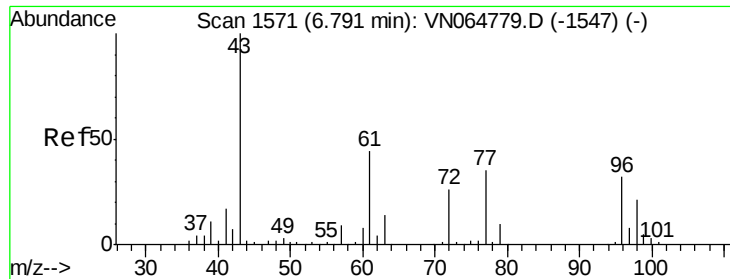


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 94.858 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203MBS01

Tot Ion: 43 Resp: 126180

Ion Ratio Lower Upper

43 100

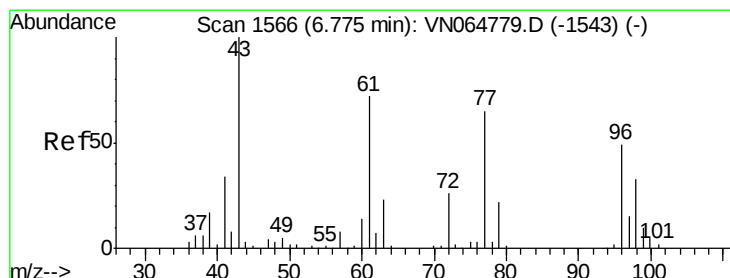
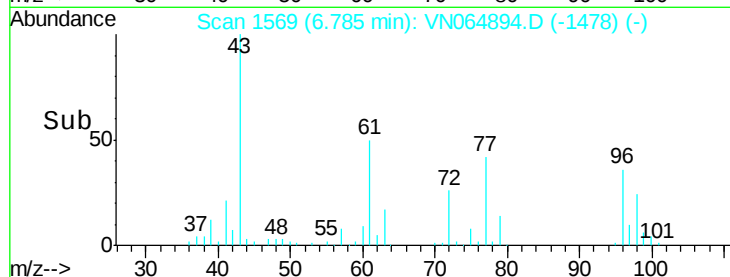
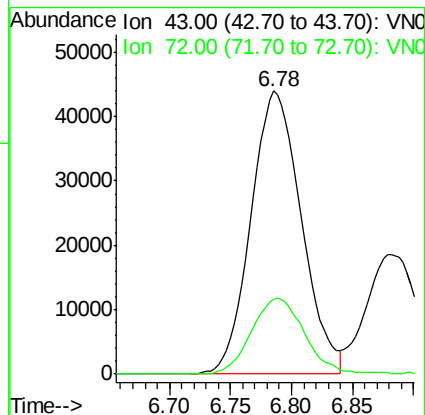
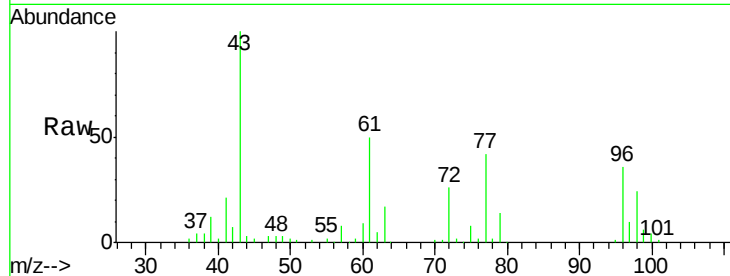
72 26.4 21.0 31.6

Manual Integrations

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SAM

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#26

2,2-Dichloropropane

Concen: 19.283 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064894.D

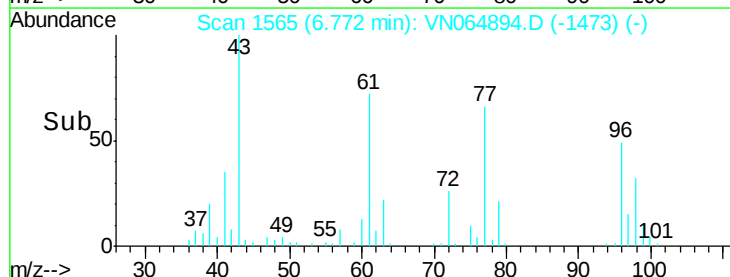
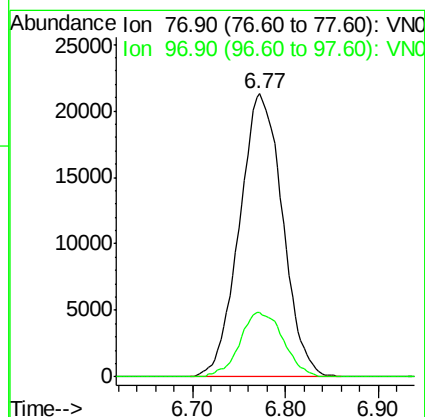
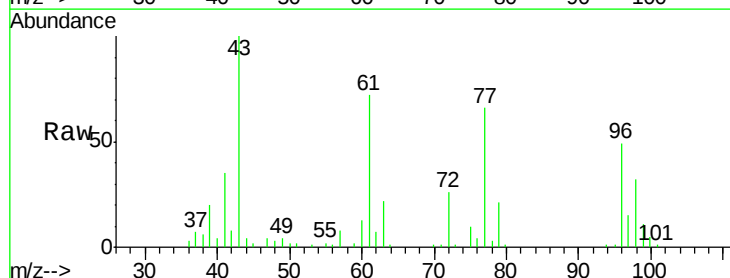
Acq: 3 Dec 2020 12:42

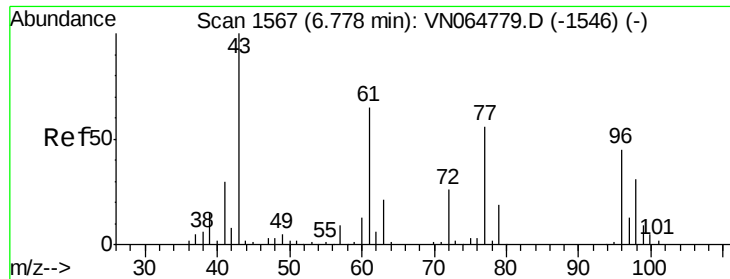
Tgt Ion: 77 Resp: 68703

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.0





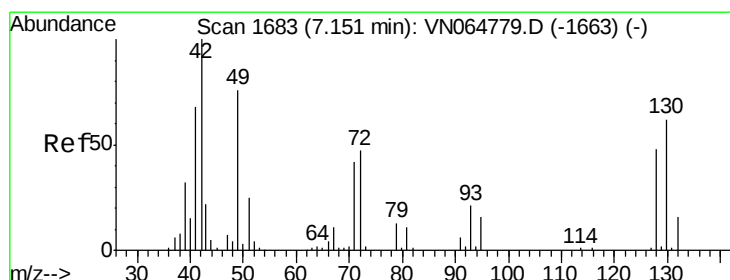
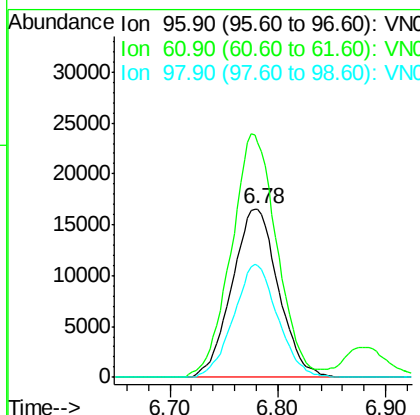
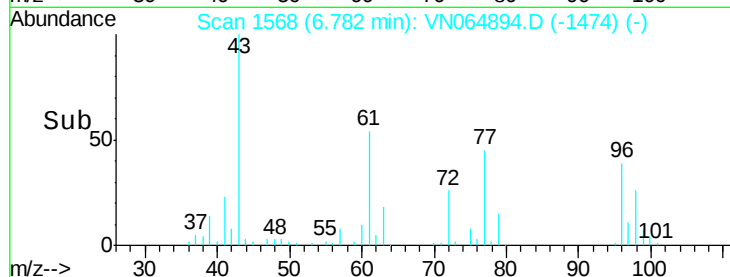
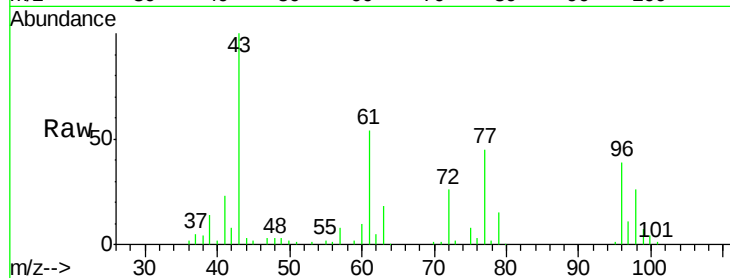
#27
 cis-1,2-Dichloroethene
 Concen: 19.000 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	285.8
98	63.7	0.0	130.6

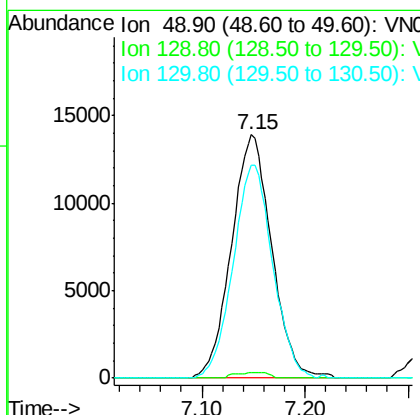
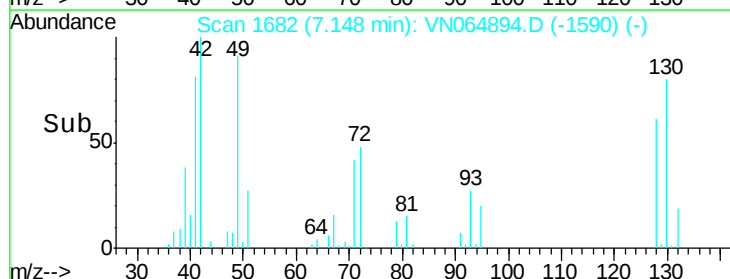
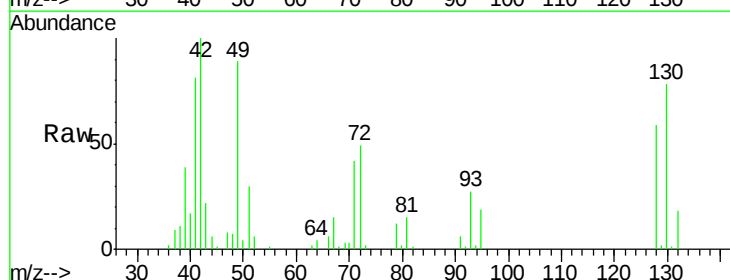
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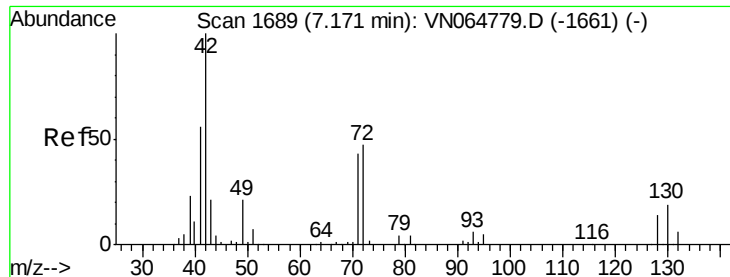
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#28
 Bromochloromethane
 Concen: 20.054 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	86.0	66.2	99.2





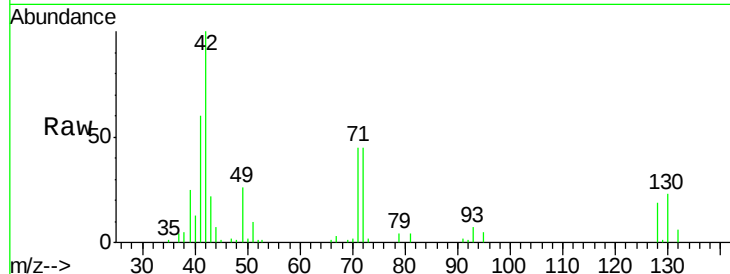
#29
Tetrahydrofuran
Concen: 90.806 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

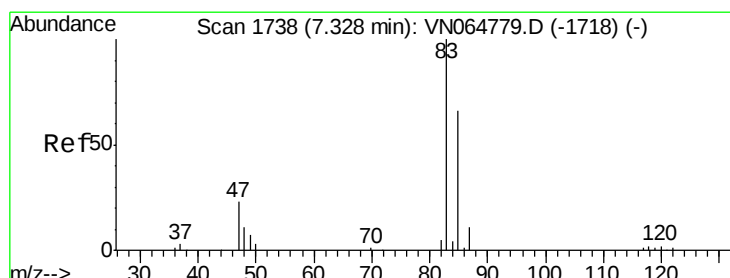
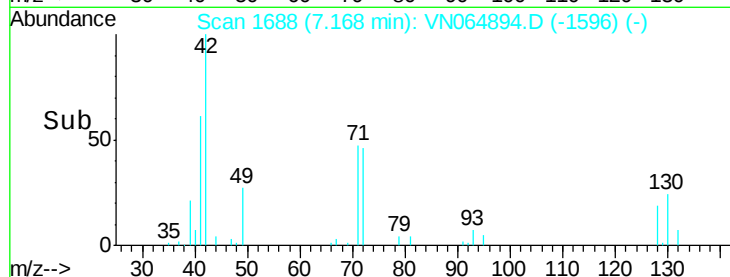
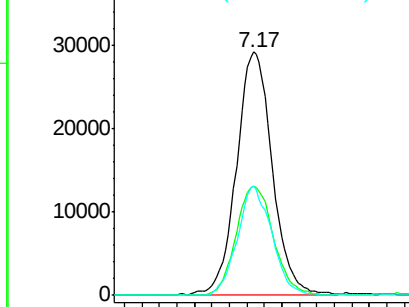
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	36.6	54.8
71	42.9	33.6	50.4

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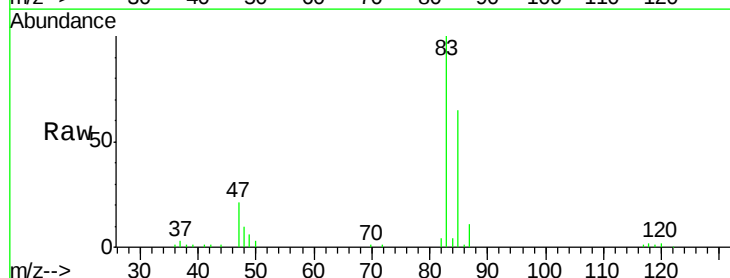


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

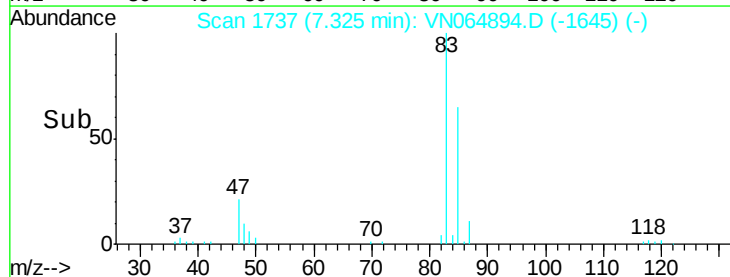
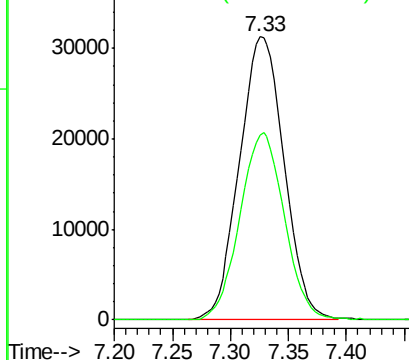


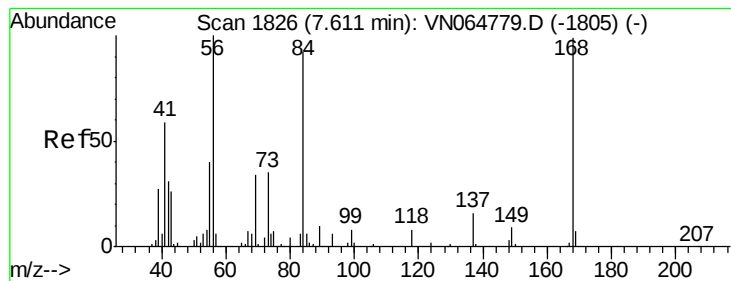
#30
Chloroform
Concen: 19.832 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.251 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampled :

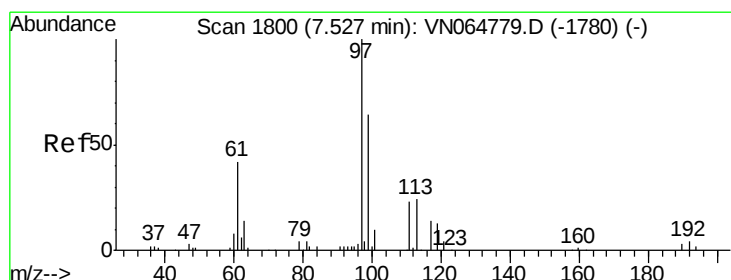
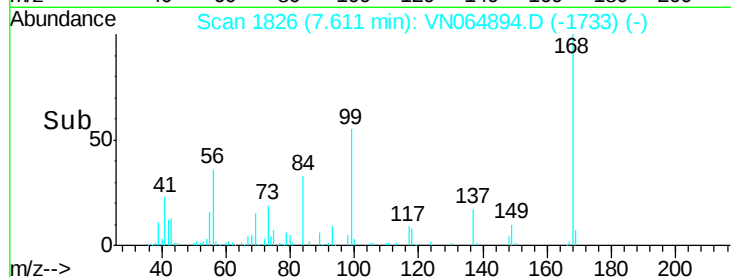
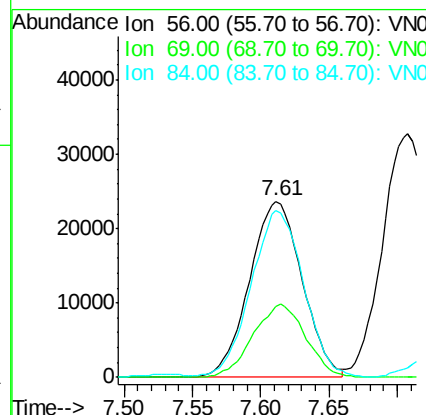
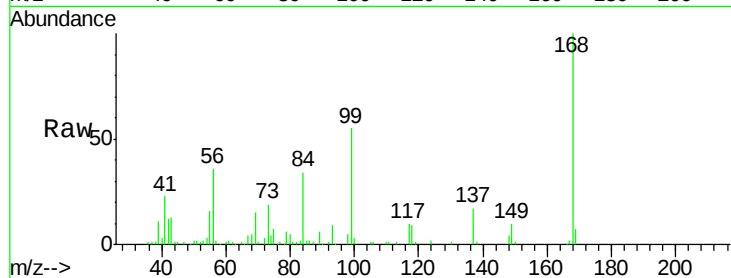
VN1203MBS01

Tot Ion:	56	Resp:	63497
Ion Ratio	Lower	Upper	
56	100		
69	40.5	27.5	41.3
84	93.7	73.9	110.9

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#32

1,1,1-Trichloroethane

Concen: 19.331 ug/l

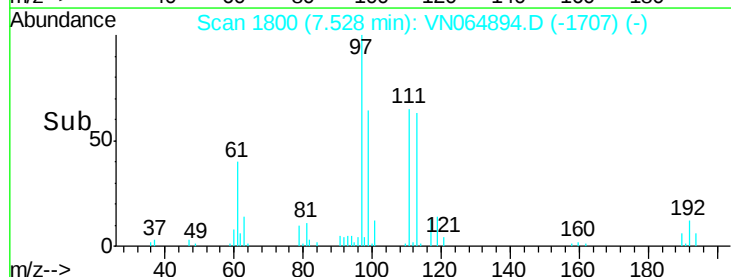
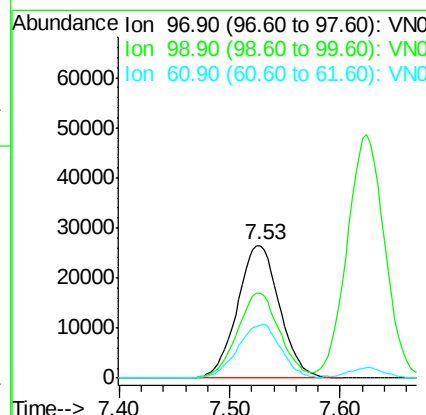
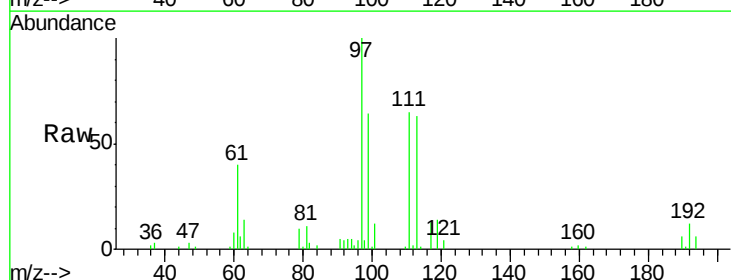
RT: 7.53 min Scan# 1800

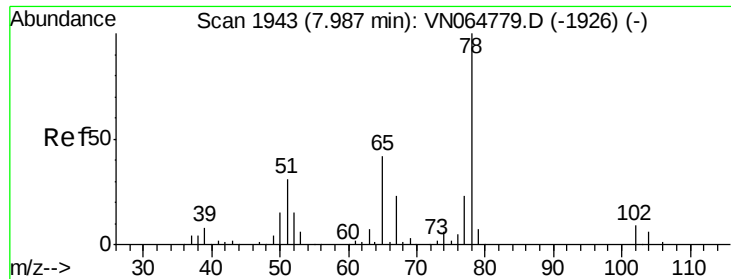
Delta R.T. 0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Tgt Ion:	97	Resp:	70334
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.7	77.5
61	41.7	33.9	50.9





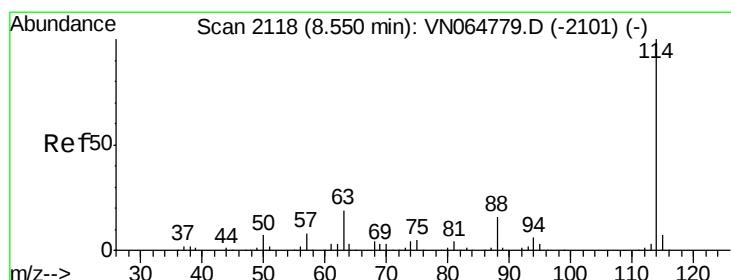
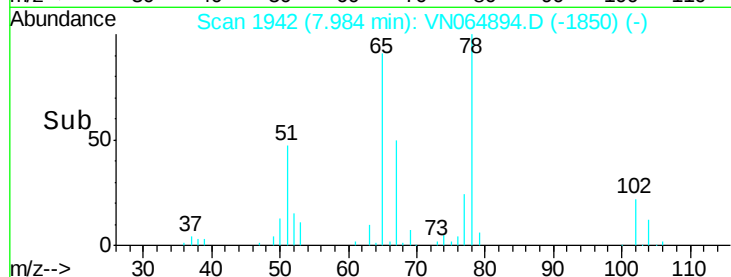
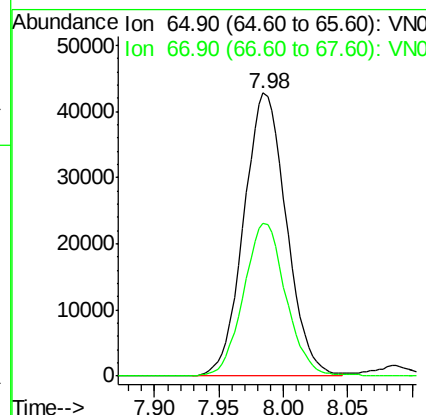
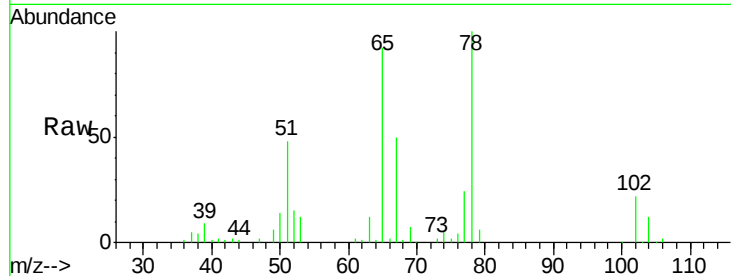
#33
 1,2-Dichloroethane-d4
 Concen: 39.566 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	108.2	

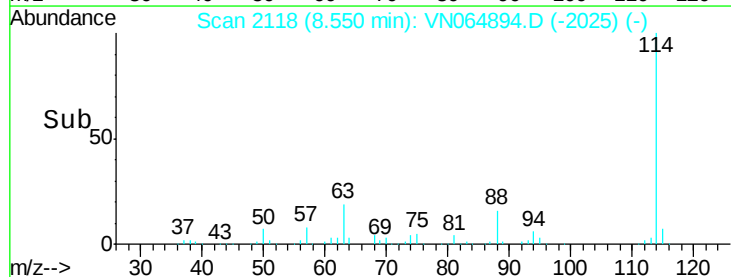
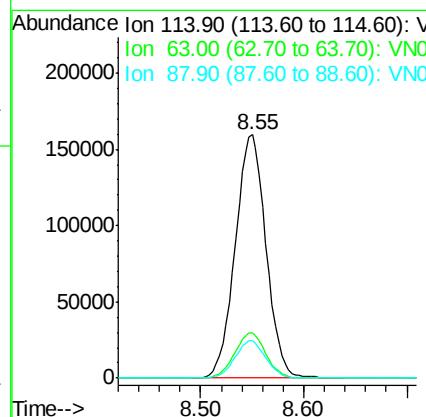
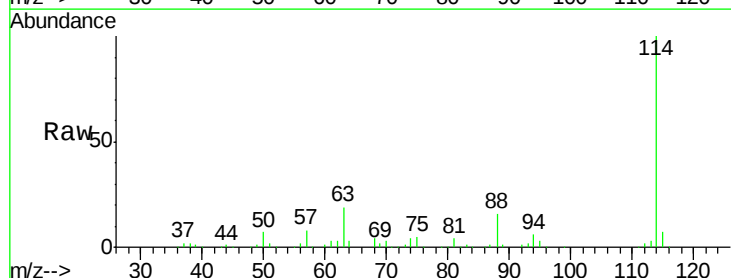
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	38.6	
88	15.6	0.0	32.6	





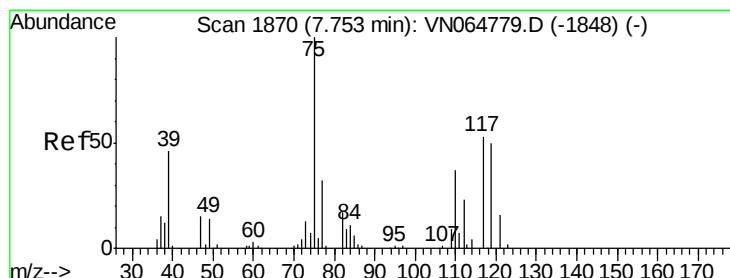
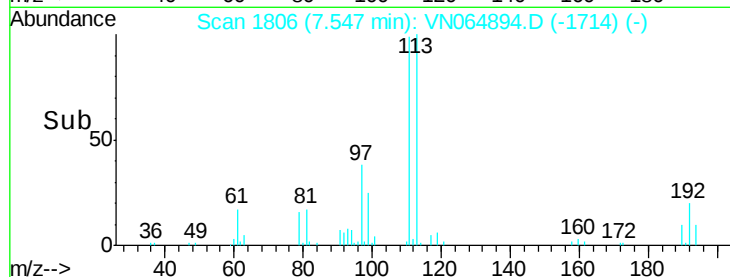
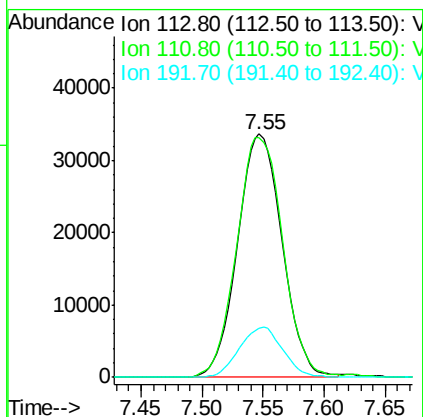
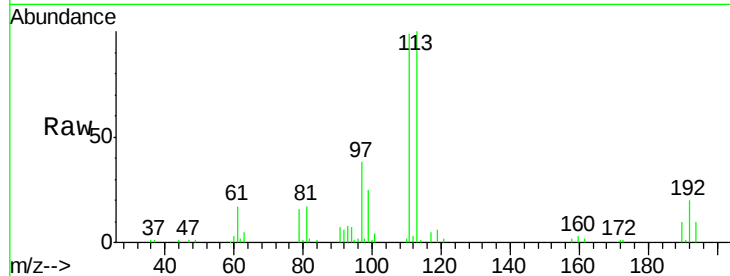
#35
 Dibromofluoromethane
 Concen: 42.950 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	20.0	16.2	24.2

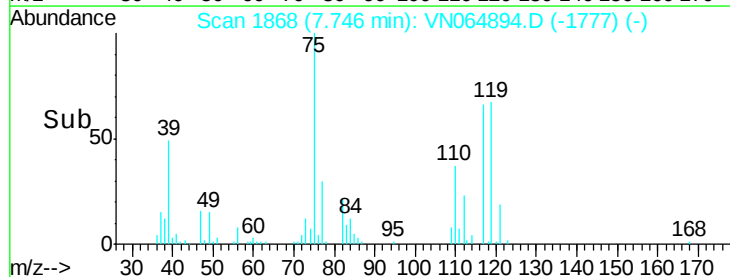
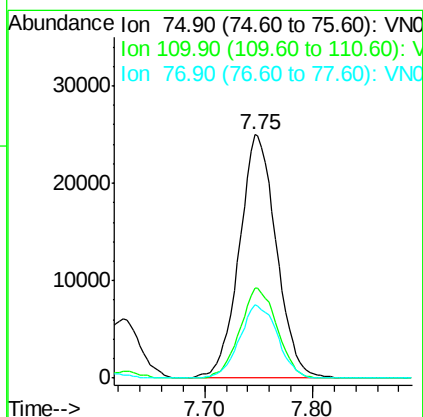
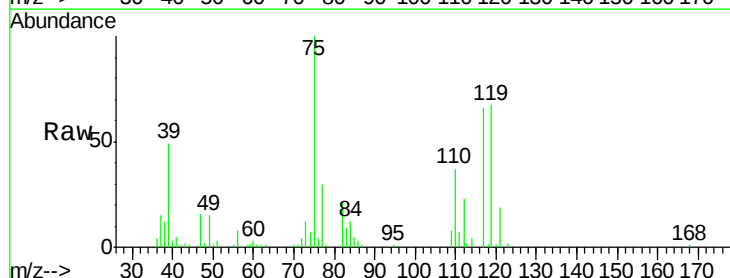
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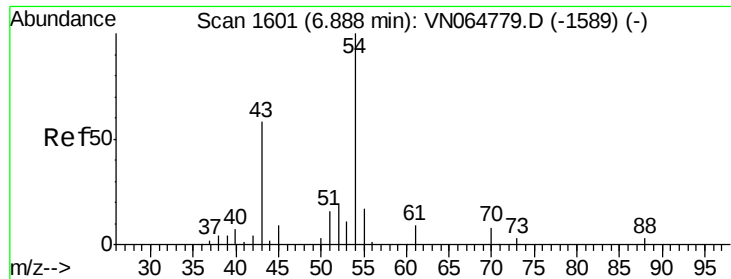
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#36
 1,1-Dichloropropene
 Concen: 19.420 ug/l
 RT: 7.75 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.8	53.3
77	30.7	25.0	37.4





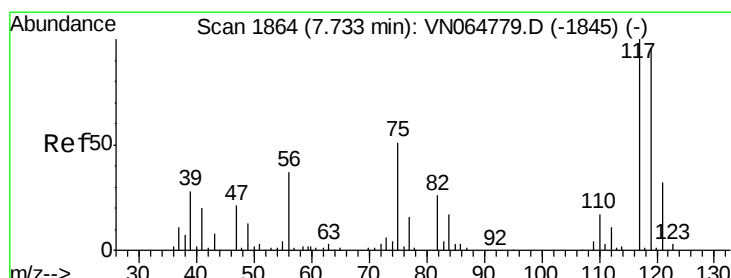
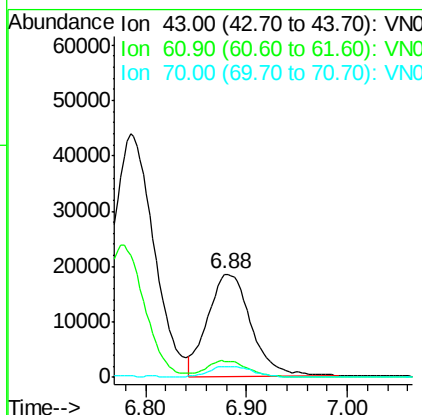
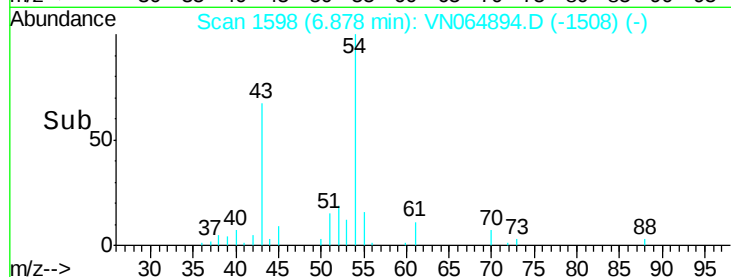
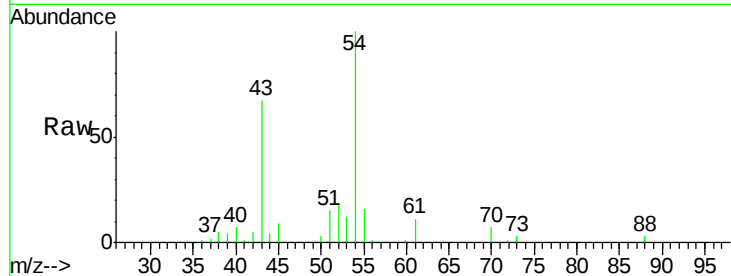
#37
Ethyl Acetate
Concen: 18.592 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.8	19.2
70	4.3	8.8	13.2

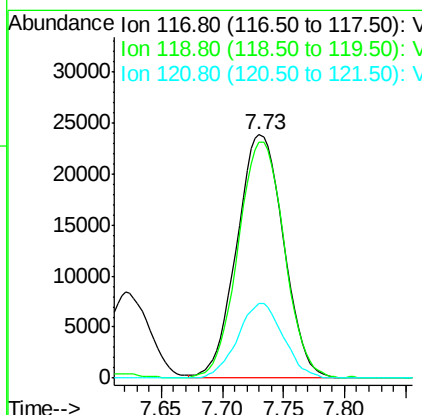
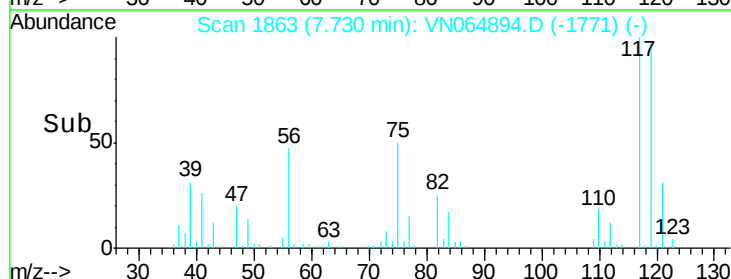
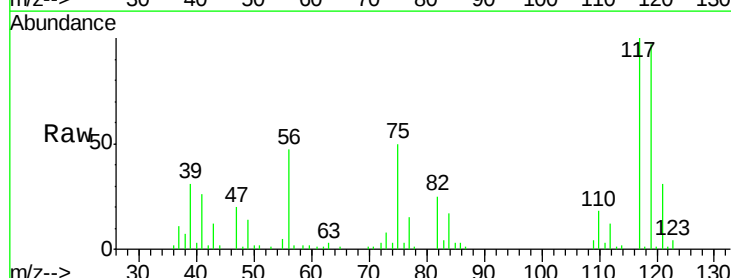
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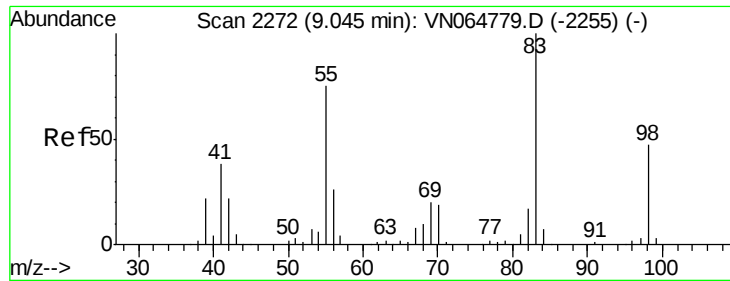
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#38
Carbon Tetrachloride
Concen: 19.855 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.7	115.1
121	30.5	25.4	38.2





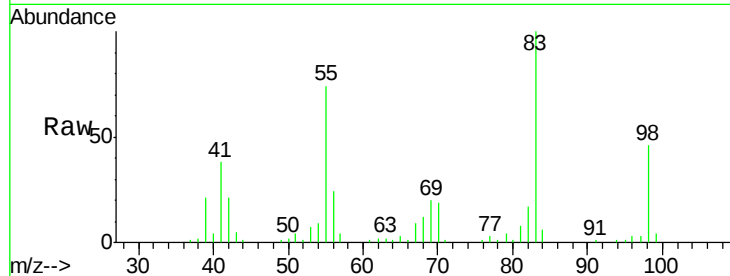
#39
Methvlcvclohexane
Concen: 19.131 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

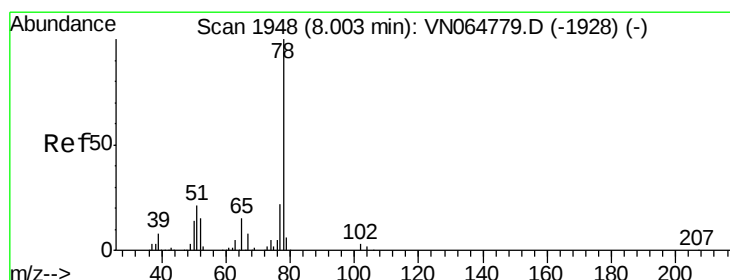
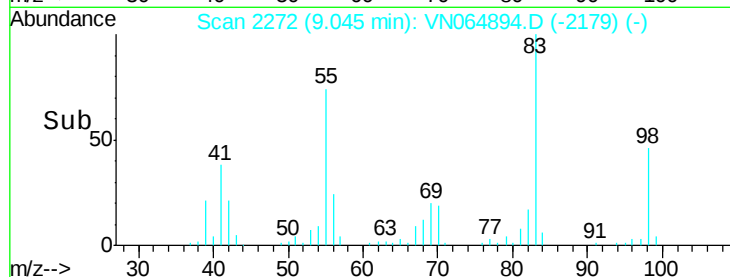
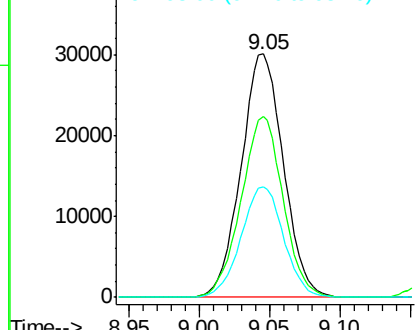
Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.2	90.2
98	45.6	37.4	56.2

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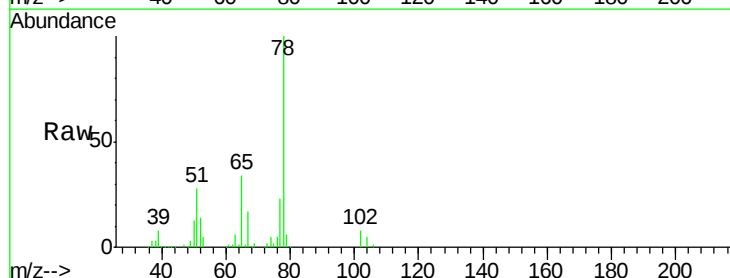


Abundance Ion 83.00 (82.70 to 83.70): VN064894.D (-2179) (-)

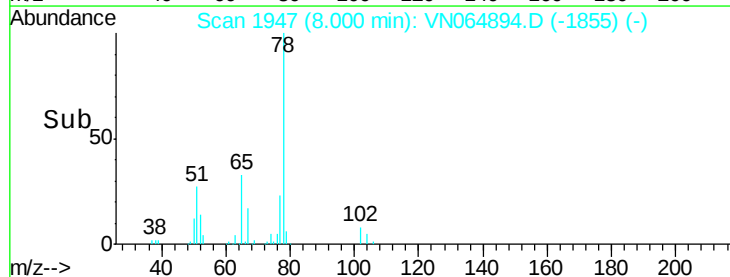
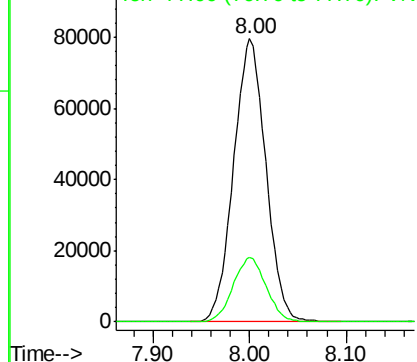


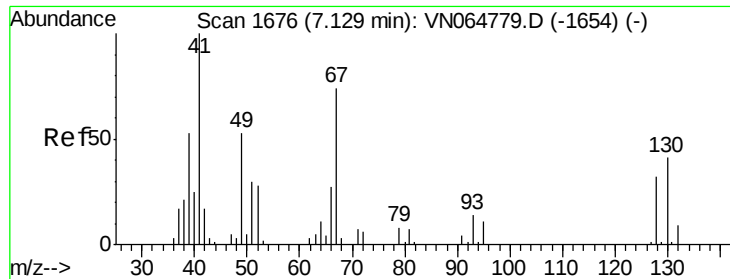
#40
Benzene
Concen: 19.575 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	17.9	26.9



Abundance Ion 78.00 (77.70 to 78.70): VN064894.D (-1855) (-)





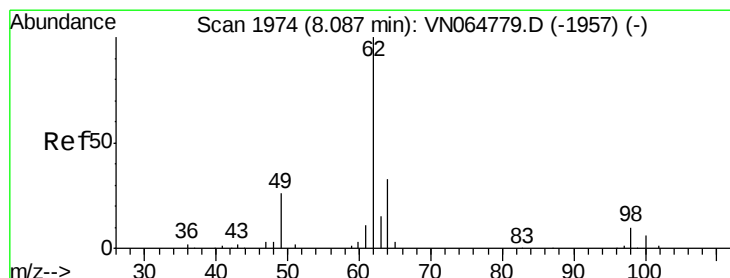
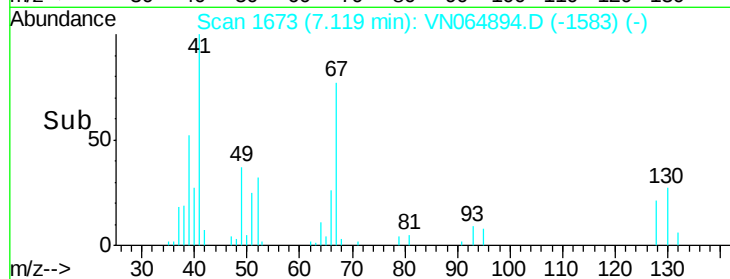
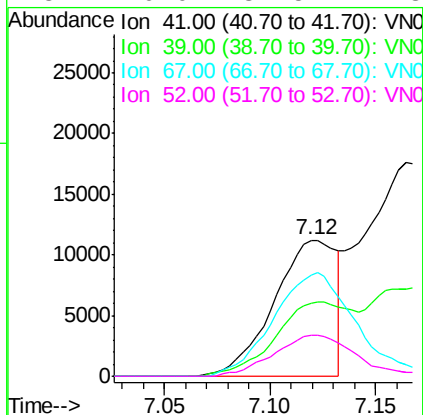
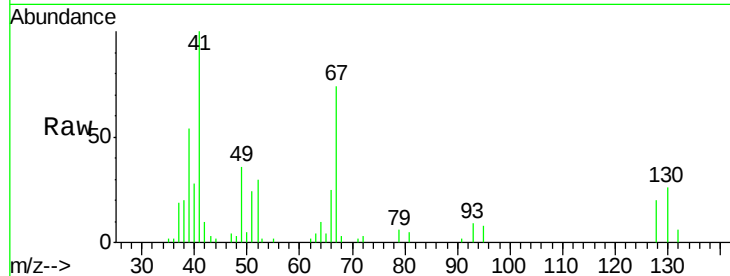
#41
Methacrylonitrile
Concen: 16.862 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampled :
VN1203MBS01

Tot Ion:	41	Resp:	23041
Ion	Ratio	Lower	Upper
41	100		
39	67.5	51.0	76.6
67	99.9	79.8	119.8
52	40.0	31.5	47.3

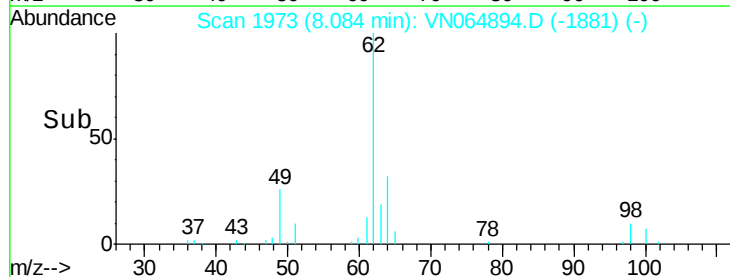
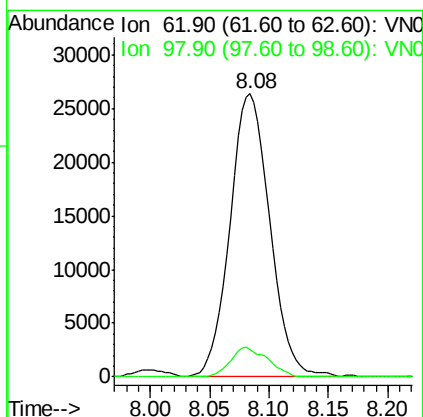
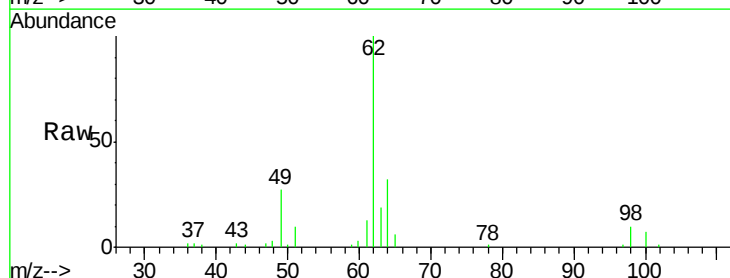
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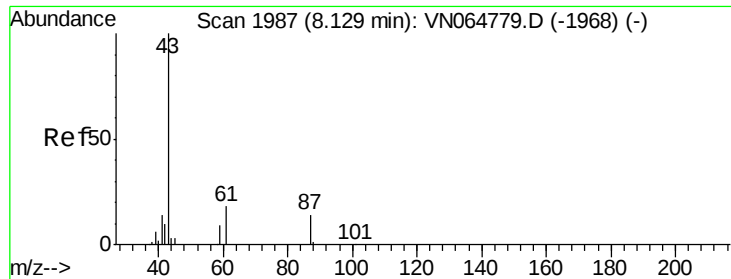
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#42
1,2-Dichloroethane
Concen: 19.283 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion:	62	Resp:	61282
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6





#43

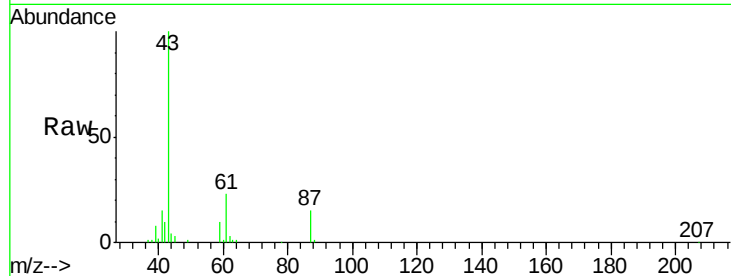
Isopropyl Acetate
 Concen: 18.478 ug/l
 RT: 8.13 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBS01

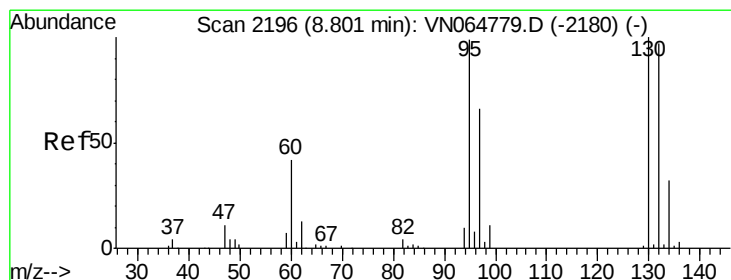
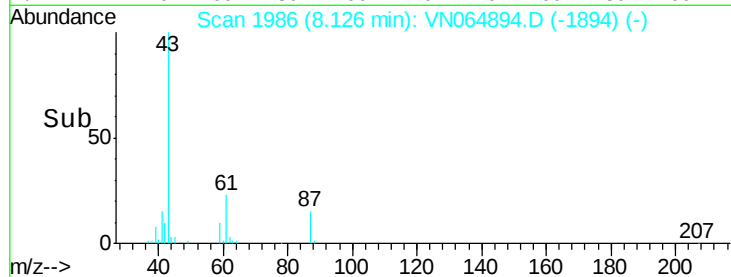
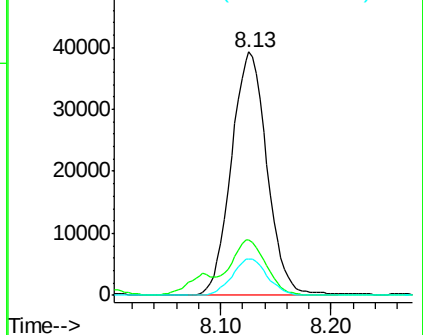
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	17.2	25.8
87	14.5	11.4	17.0

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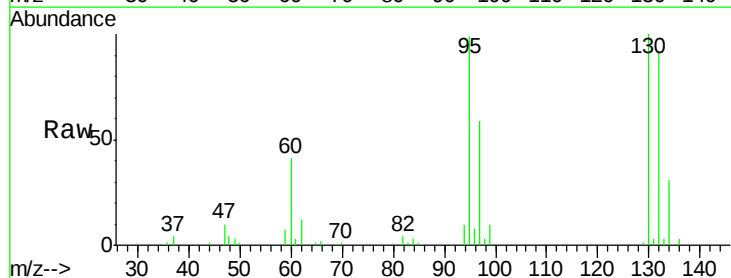
Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1968) (-)
 Ion 61.00 (60.70 to 61.70): VN064779.D (-1968) (-)
 Ion 87.00 (86.70 to 87.70): VN064779.D (-1968) (-)



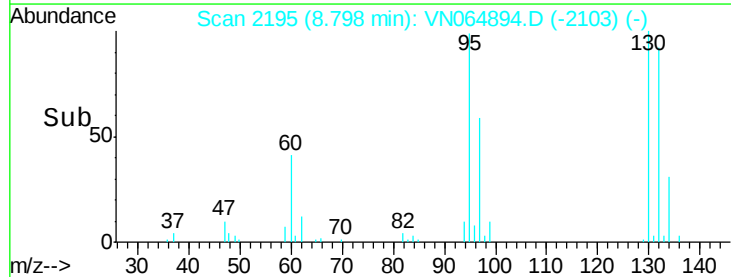
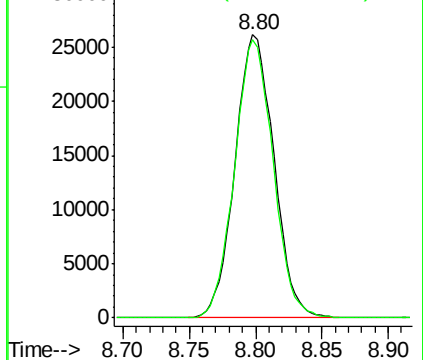
#44

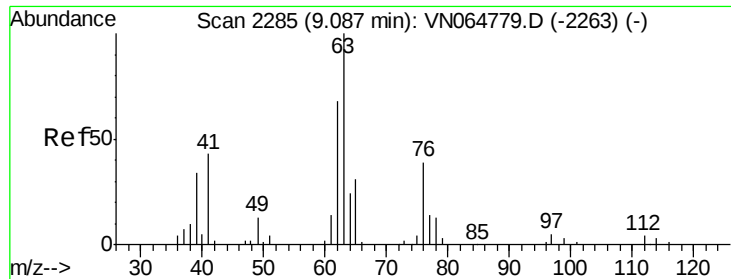
Trichloroethene
 Concen: 19.226 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064779.D (-2180) (-)
 Ion 94.90 (94.60 to 95.60): VN064779.D (-2180) (-)





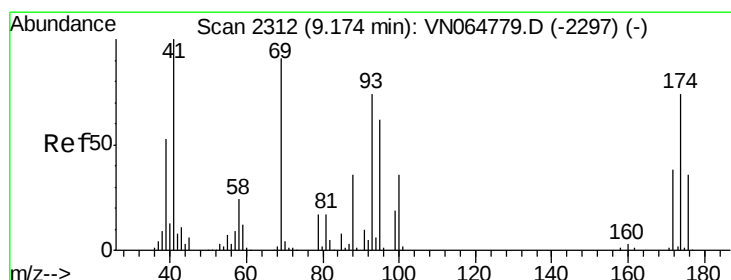
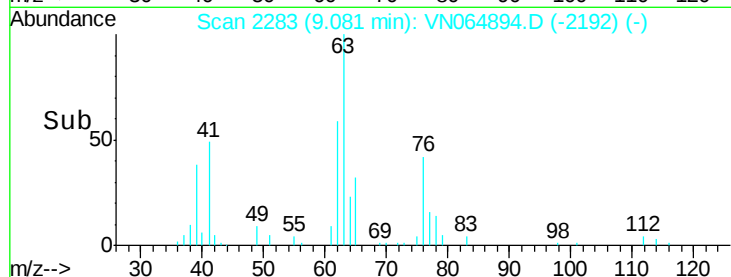
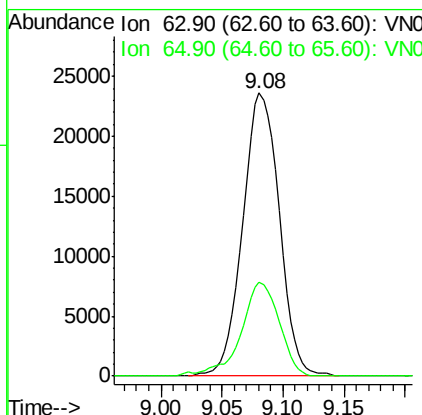
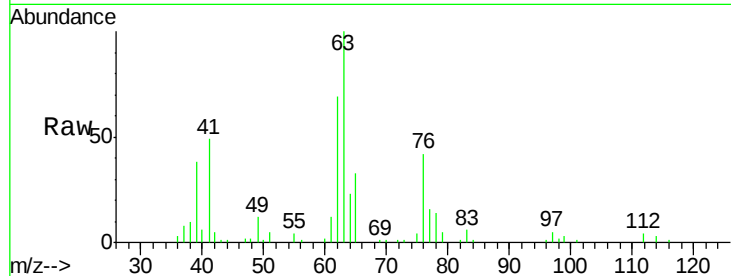
#45
 1,2-Dichloropropane
 Concen: 20.072 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBS01

Tot Ion: 63 Resp: 48969
 Ion Ratio Lower Upper
 63 100
 65 33.2 25.0 37.4

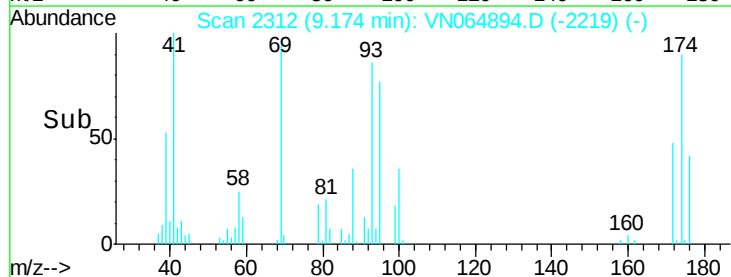
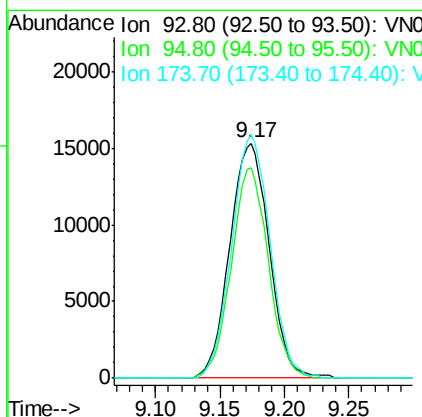
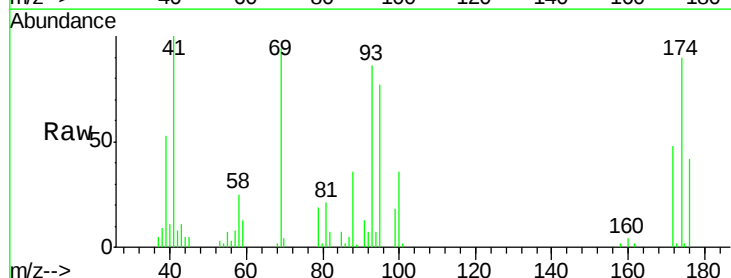
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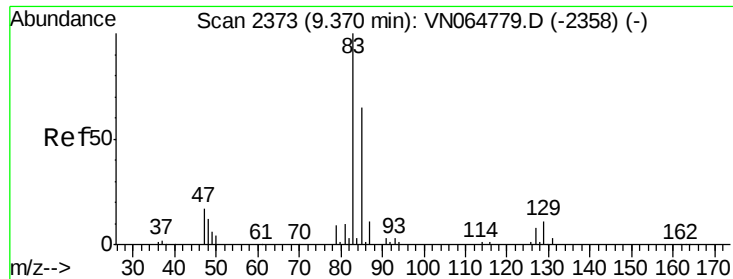
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#46
 Dibromomethane
 Concen: 19.985 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Tgt Ion: 93 Resp: 32574
 Ion Ratio Lower Upper
 93 100
 95 83.9 68.8 103.2
 174 100.9 83.1 124.7





#47

Bromodichloromethane

Concen: 19.642 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampleId :

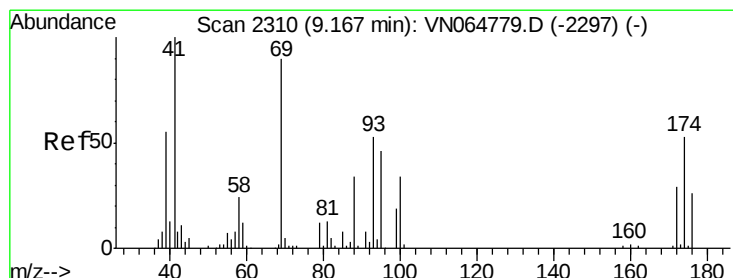
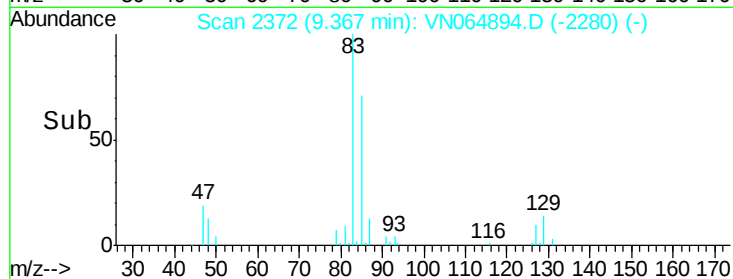
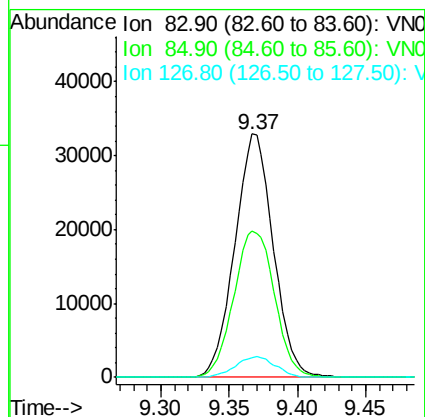
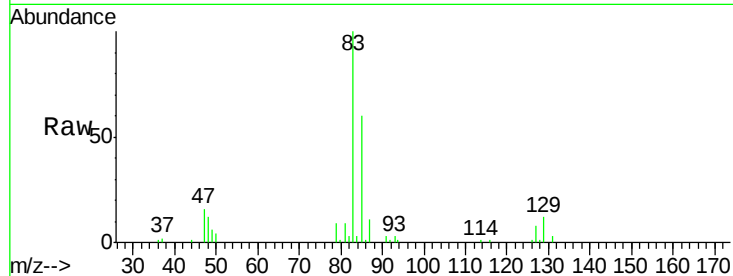
VN1203MBS01

Tot Ion:	83	Resp:	64416
Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.8	77.8
127	8.2	6.8	10.2

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#48

Methyl methacrylate

Concen: 18.529 ug/l

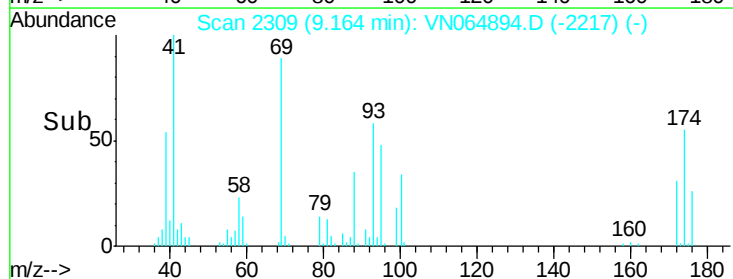
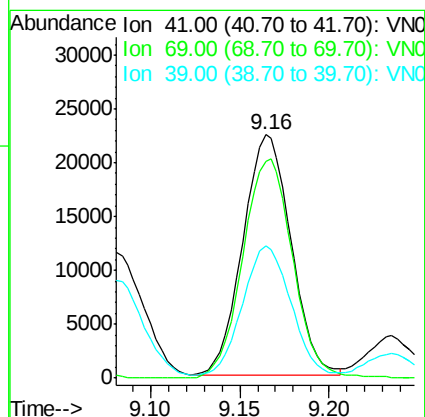
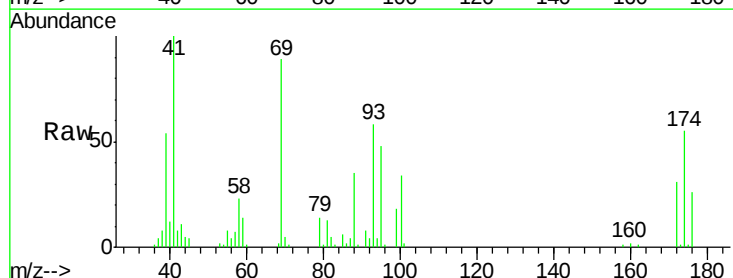
RT: 9.16 min Scan# 2309

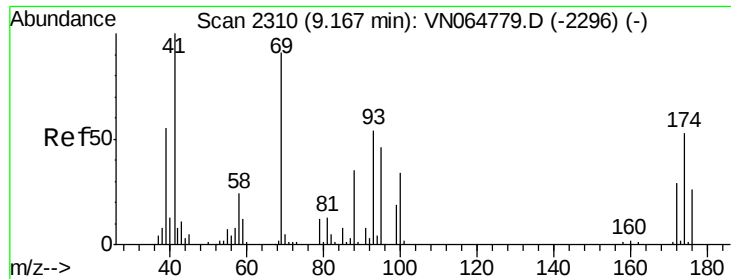
Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Tgt Ion:	41	Resp:	42192
Ion	Ratio	Lower	Upper
41	100		
69	94.7	71.8	107.8
39	56.3	44.1	66.1





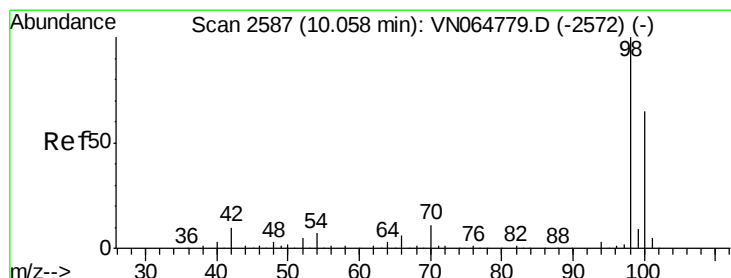
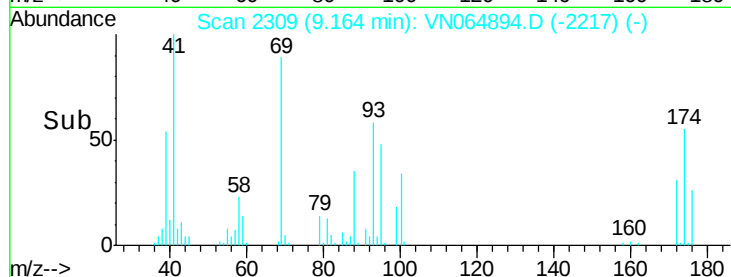
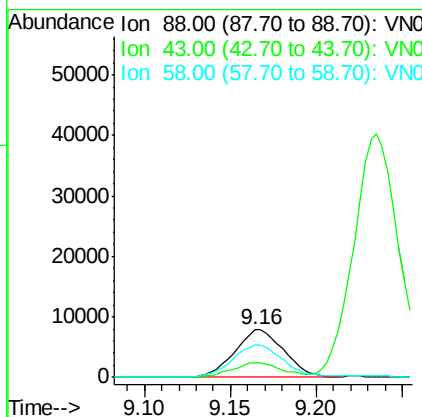
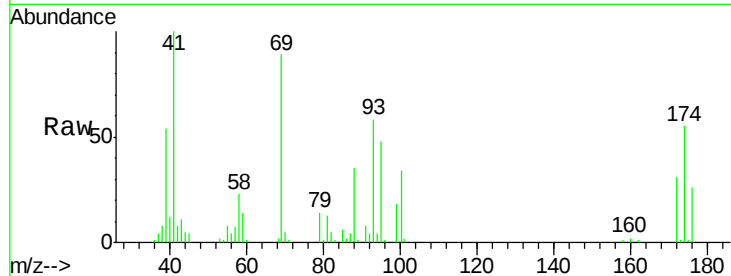
#49
1,4-Dioxane
Concen: 362.135 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampled :
VN1203MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	24.2	36.4
58	70.5	52.5	78.7

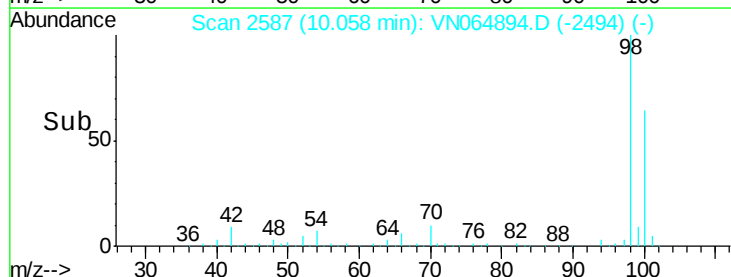
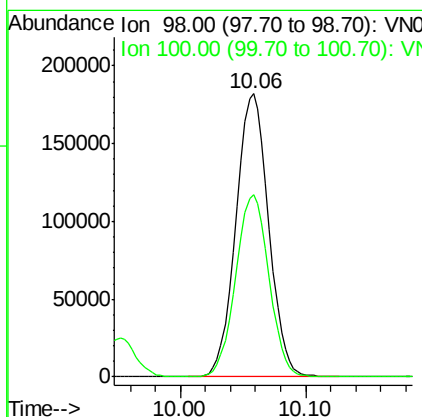
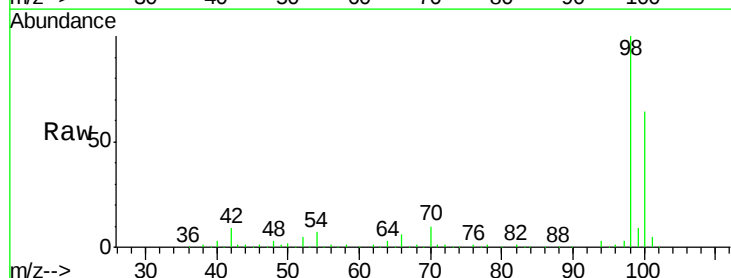
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#50
Toluene-d8
Concen: 40.772 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 96.027 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203MBS01

Tot Ion: 43 Resp: 274719

Ion Ratio Lower Upper

43 100

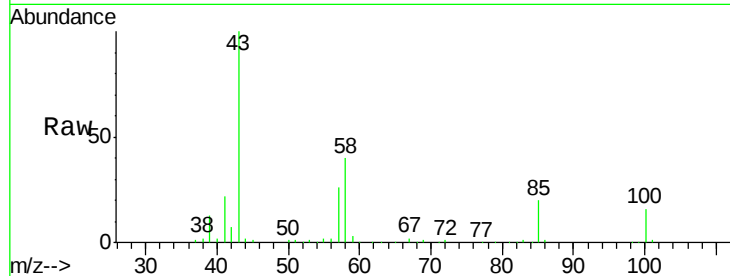
58 40.1 32.4 48.6

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Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

9.95

150000

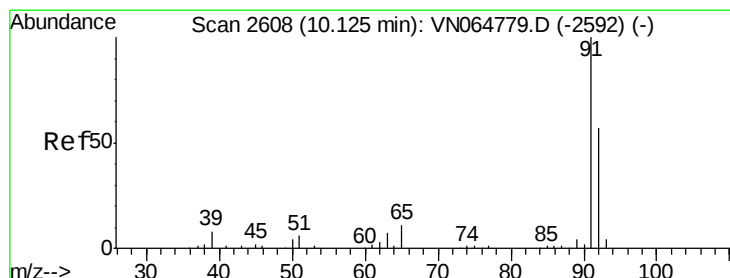
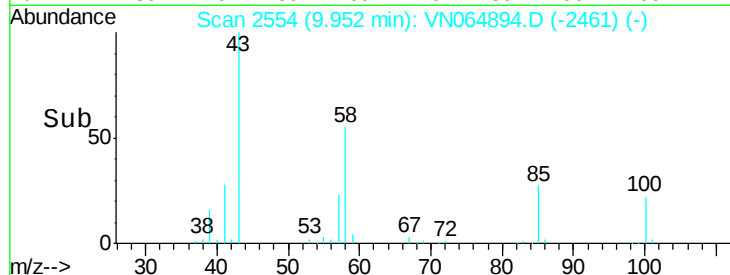
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 19.906 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064894.D

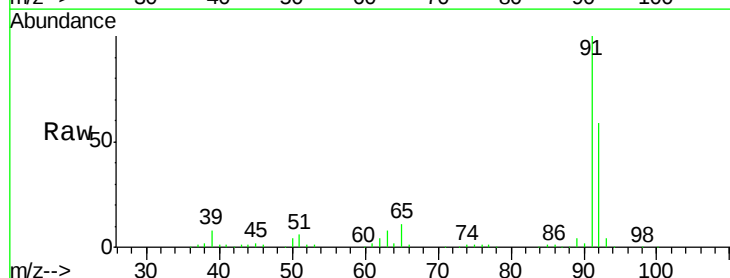
Acq: 3 Dec 2020 12:42

Tgt Ion: 92 Resp: 115488

Ion Ratio Lower Upper

92 100

91 170.9 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064779.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-2592) (-)

10.12

120000

100000

80000

60000

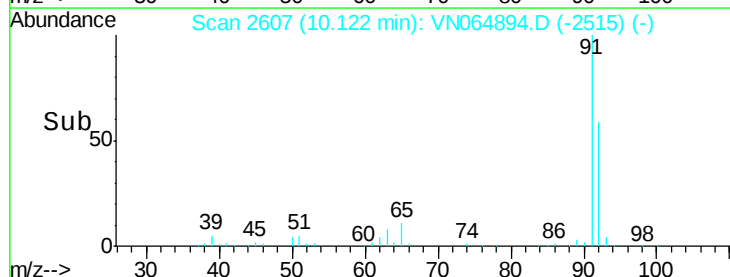
40000

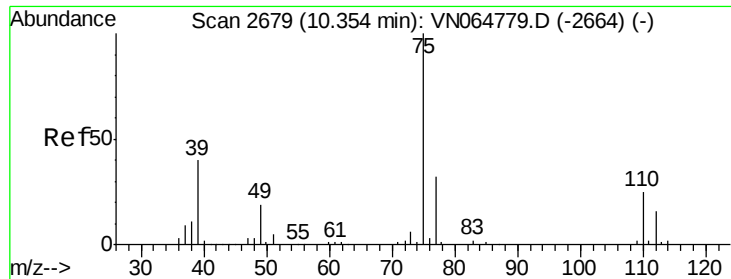
20000

0

10.05 10.10 10.15 10.20

Time-->





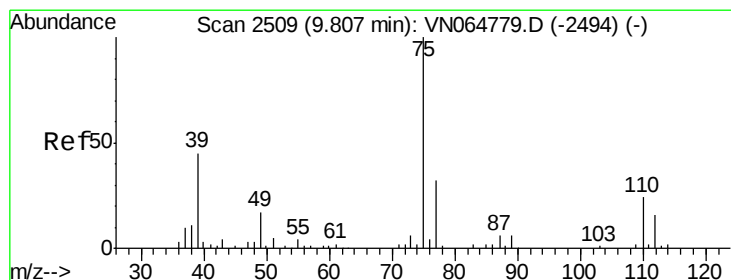
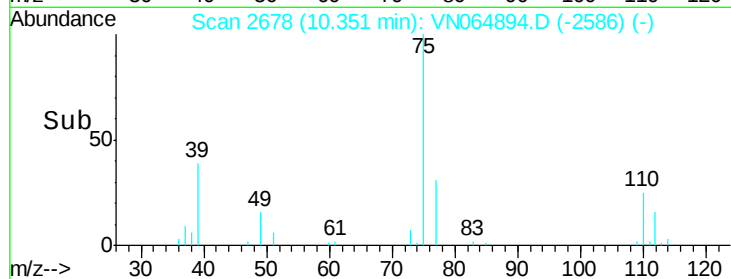
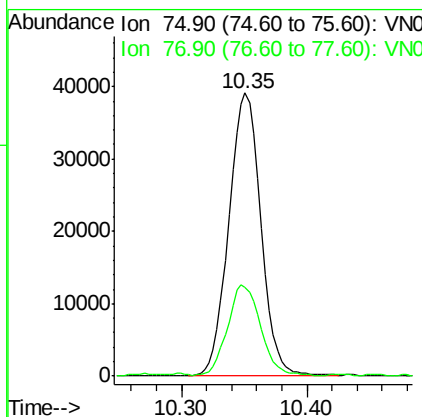
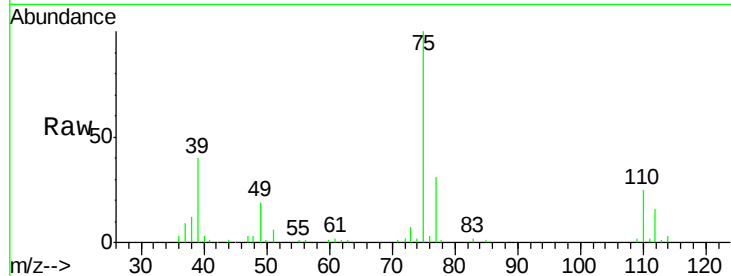
#53
t-1,3-Dichloropropene
Concen: 19.050 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampled :
VN1203MBS01

Tot Ion: 75 Resp: 69584
Ion Ratio Lower Upper
75 100
77 30.8 25.8 38.6

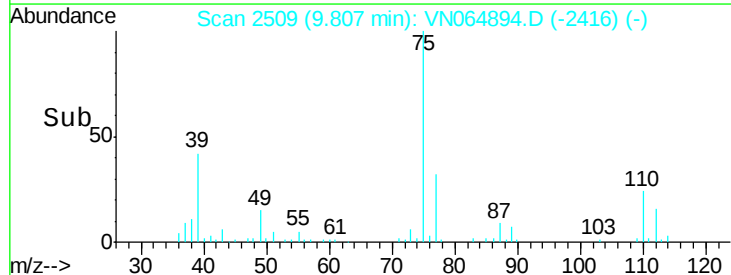
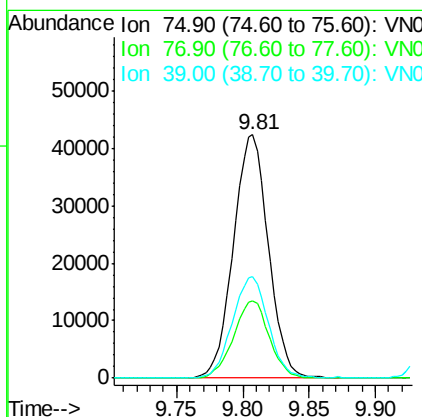
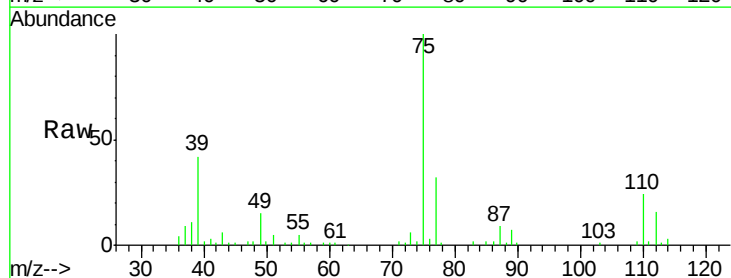
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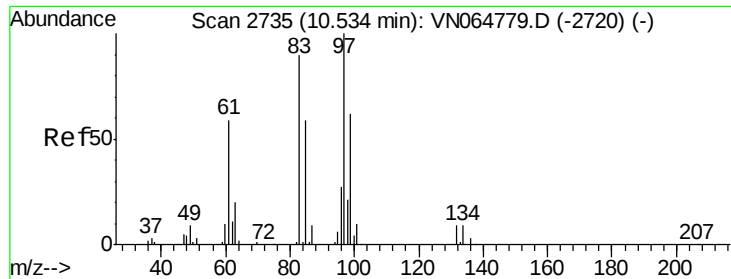
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#54
cis-1,3-Dichloropropene
Concen: 19.861 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion: 75 Resp: 77762
Ion Ratio Lower Upper
75 100
77 31.7 25.5 38.3
39 41.6 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 19.889 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampleId :

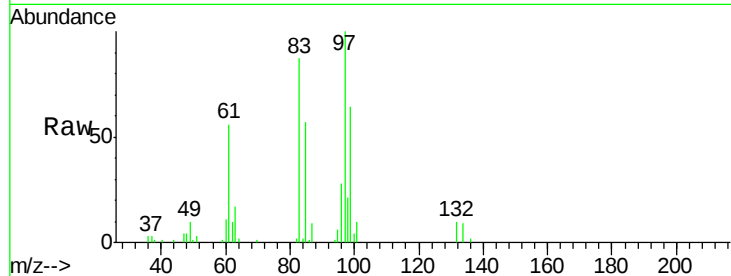
VN1203MBS01

Tot Ion:	97	Resp:	47451
Ion	Ratio	Lower	Upper
97	100		
83	86.6	72.1	108.1
85	56.6	46.8	70.2
99	64.4	49.6	74.4

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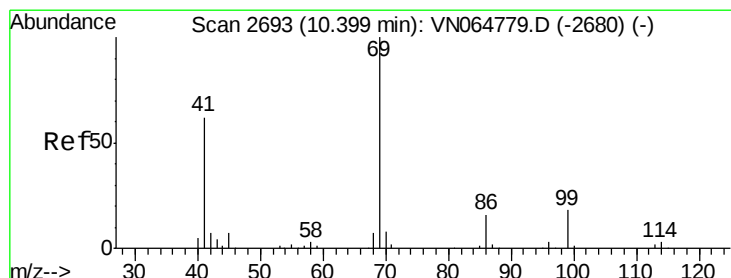
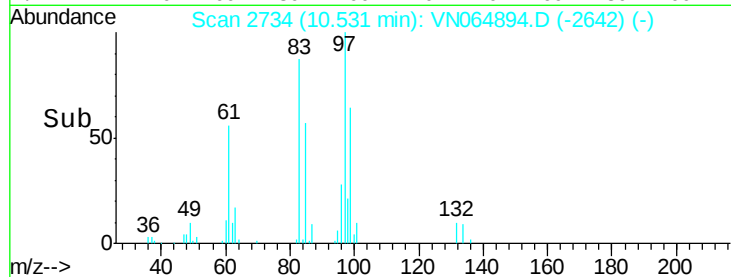
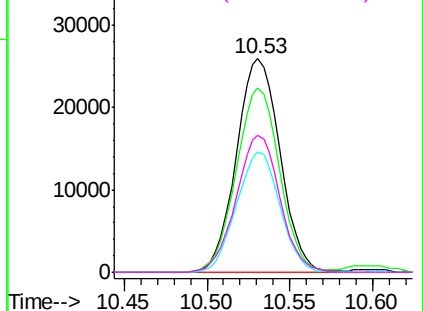


Abundance Ion 96.90 (96.60 to 97.60): VN064894.D (-2642) (-)

Ion 82.90 (82.60 to 83.60): VN064894.D (-2642) (-)

Ion 84.90 (84.60 to 85.60): VN064894.D (-2642) (-)

Ion 98.90 (98.60 to 99.60): VN064894.D (-2642) (-)



#56

Ethyl methacrylate

Concen: 18.859 ug/l

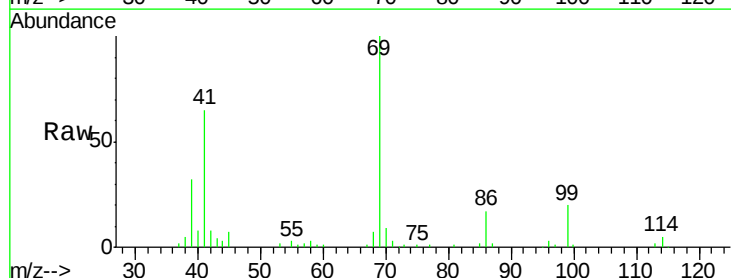
RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

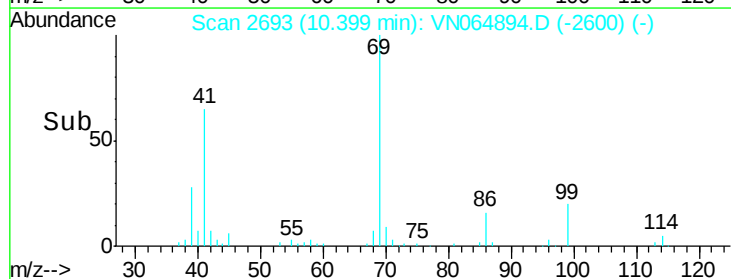
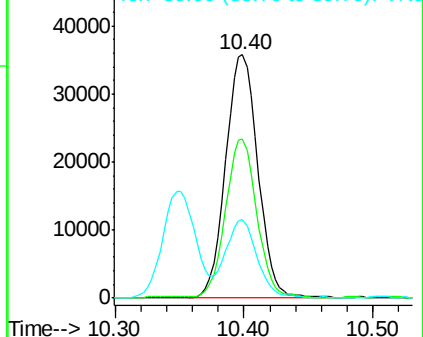
Tgt Ion:	69	Resp:	62088
Ion	Ratio	Lower	Upper
69	100		
41	63.7	49.4	74.0
39	31.4	25.9	38.9

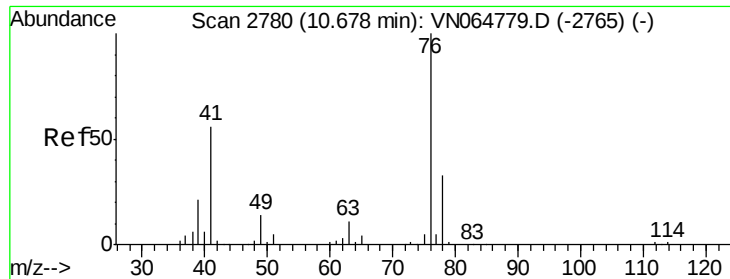


Abundance Ion 69.00 (68.70 to 69.70): VN064894.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN064894.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN064894.D (-2600) (-)





#57

1,3-Dichloropropane

Concen: 20.341 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203MBS01

Tot Ion: 76 Resp: 80053

Ion Ratio Lower Upper

76 100

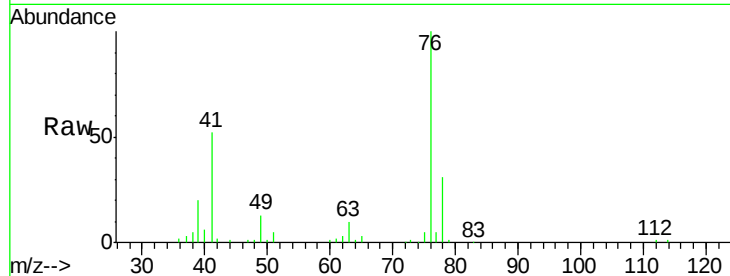
78 32.5 26.1 39.1

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

10.68

50000

40000

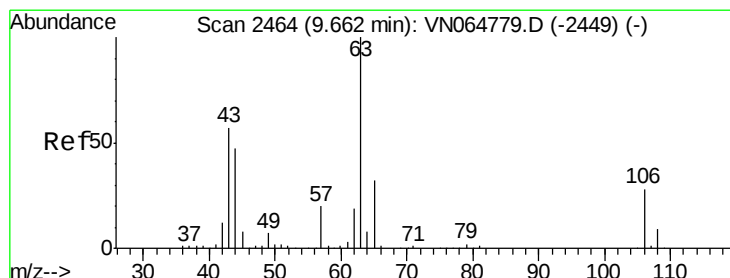
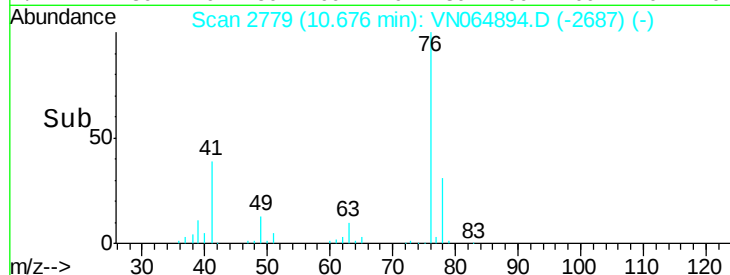
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 90.096 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064894.D

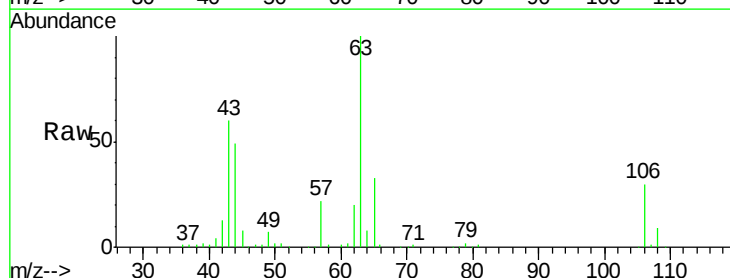
Acq: 3 Dec 2020 12:42

Tgt Ion: 63 Resp: 163161

Ion Ratio Lower Upper

63 100

106 29.0 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

100000

80000

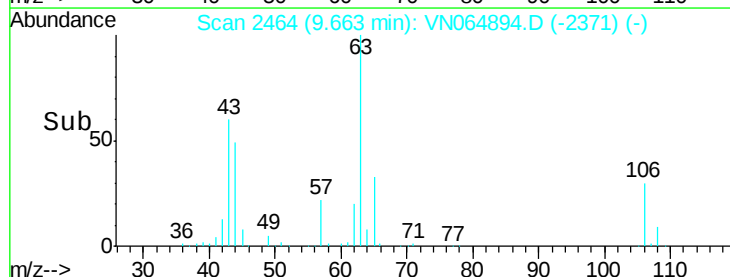
60000

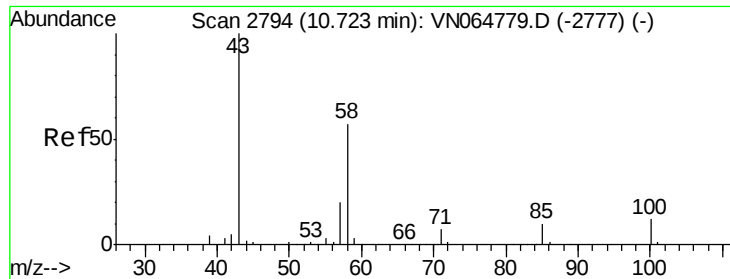
40000

20000

0

Time-->





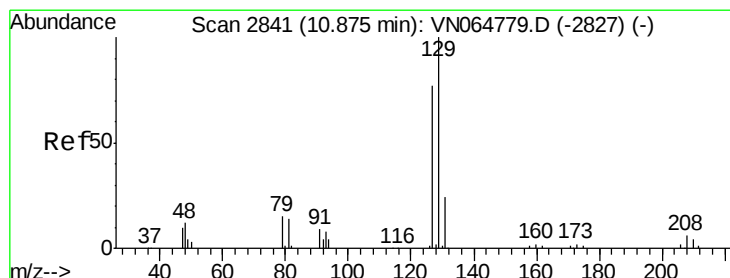
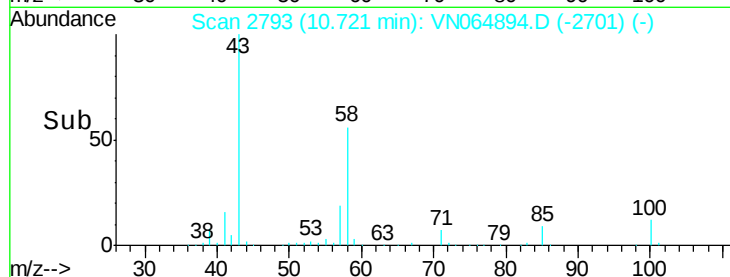
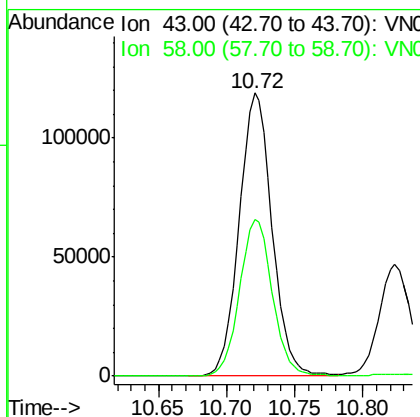
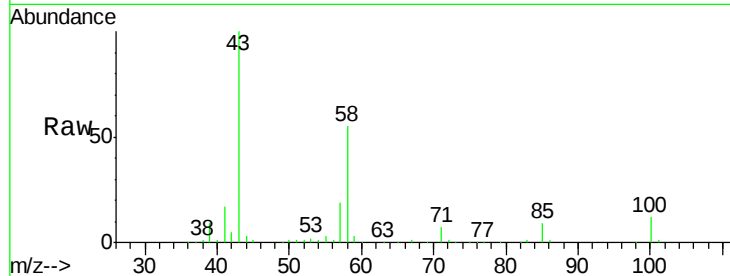
#59
2-Hexanone
Concen: 96.673 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion: 43 Resp: 199040
Ion Ratio Lower Upper
43 100
58 55.4 28.3 84.9

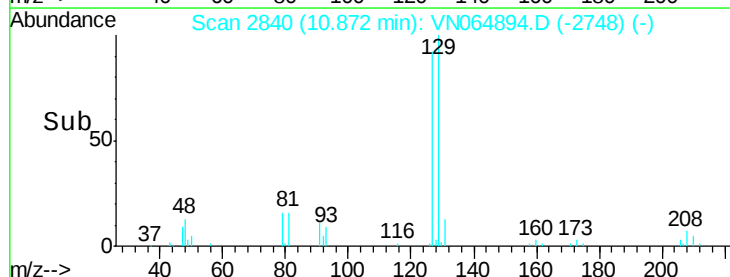
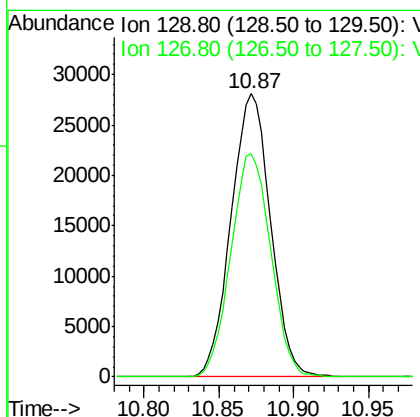
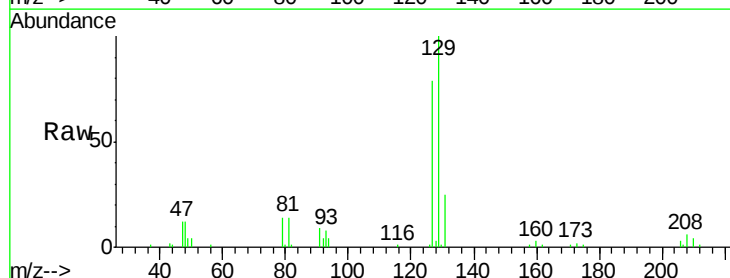
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#60
Dibromochloromethane
Concen: 19.460 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion: 129 Resp: 51606
Ion Ratio Lower Upper
129 100
127 79.5 39.1 117.2





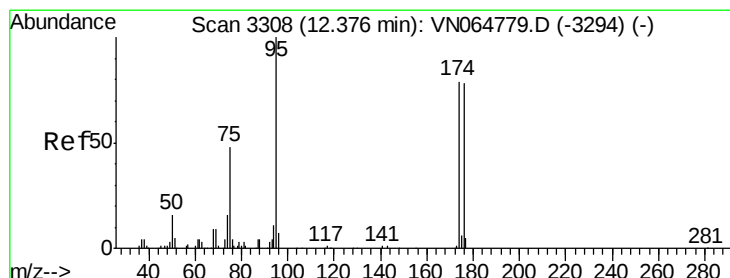
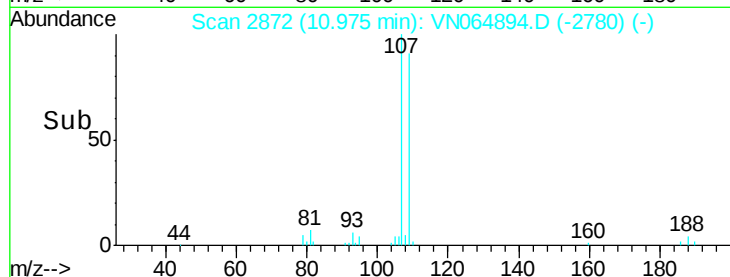
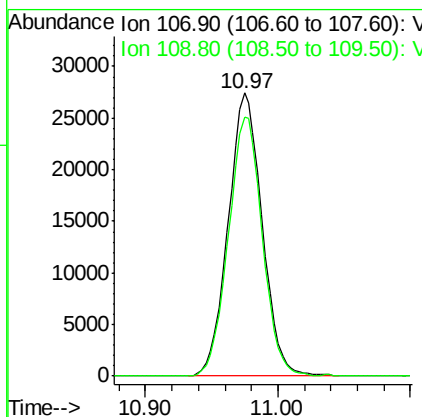
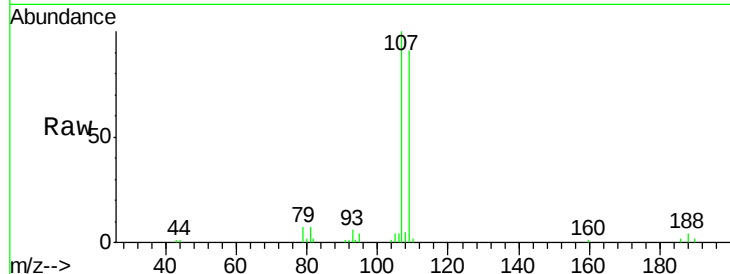
#61
 1,2-Dibromoethane
 Concen: 20.110 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBS01

Tot Ion: 107 Resp: 48743
 Ion Ratio Lower Upper
 107 100
 109 91.2 76.0 114.0

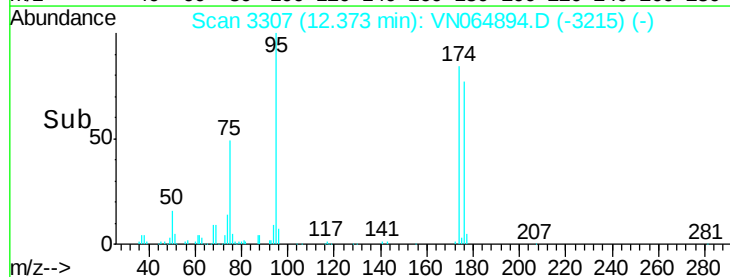
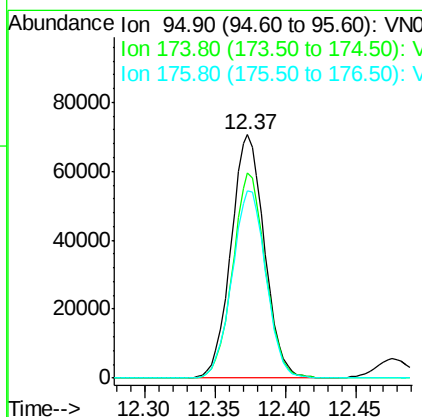
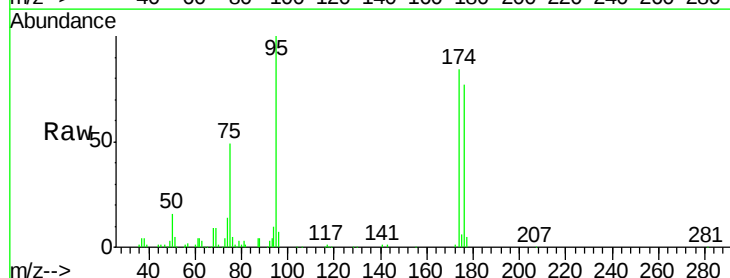
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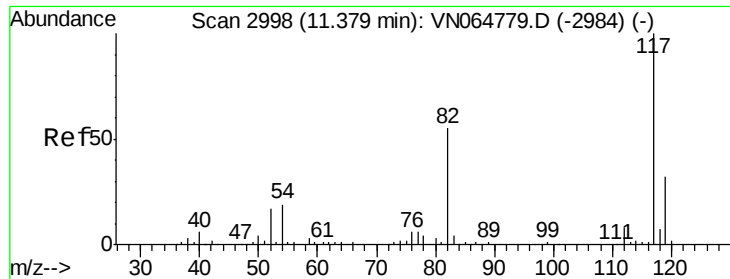
SAM
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#62
 4-Bromofluorobenzene
 Concen: 40.260 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Tgt Ion: 95 Resp: 116840
 Ion Ratio Lower Upper
 95 100
 174 82.7 0.0 160.4
 176 78.2 0.0 158.4





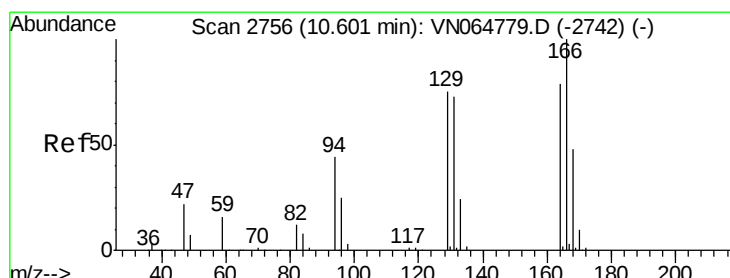
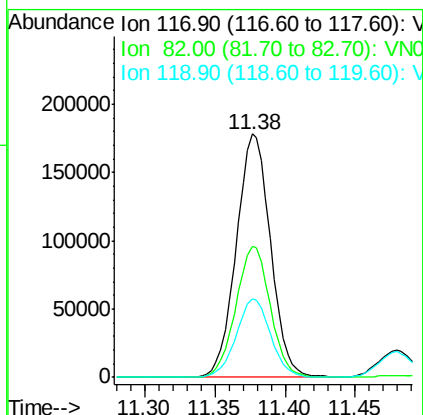
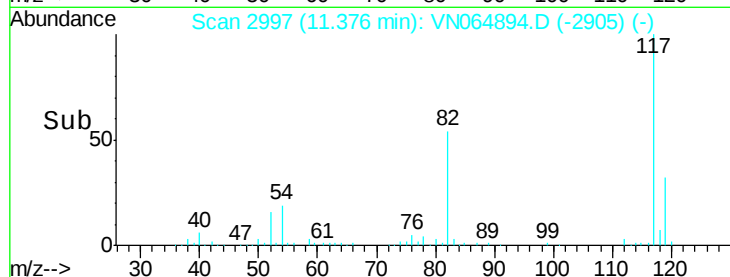
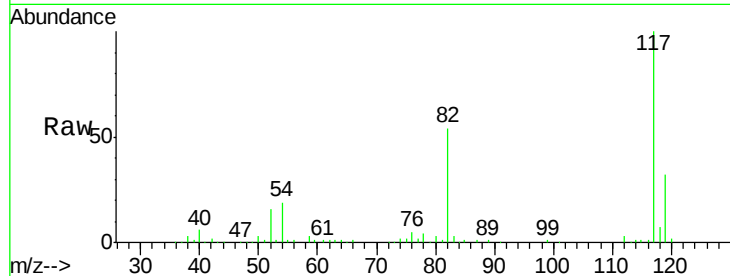
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.2	66.2
119	32.2	25.8	38.6

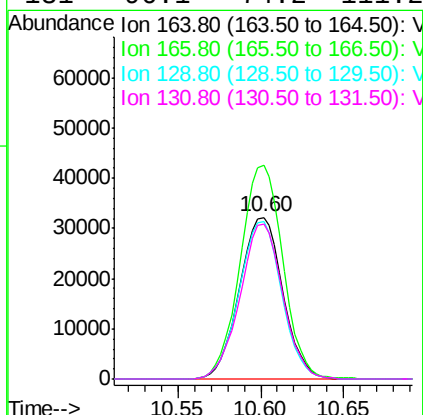
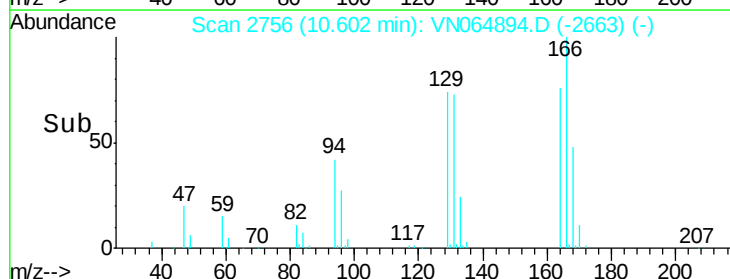
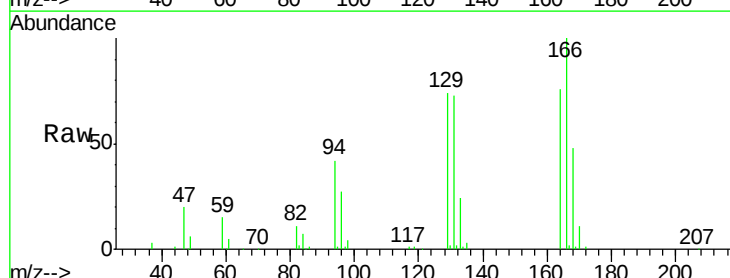
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#64
Tetrachloroethene
Concen: 19.927 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	101.4	152.0
129	97.1	76.1	114.1
131	96.1	74.2	111.2





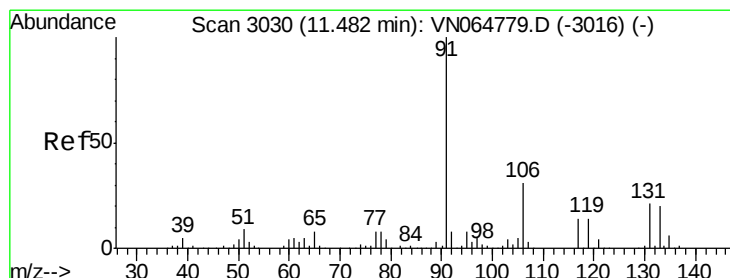
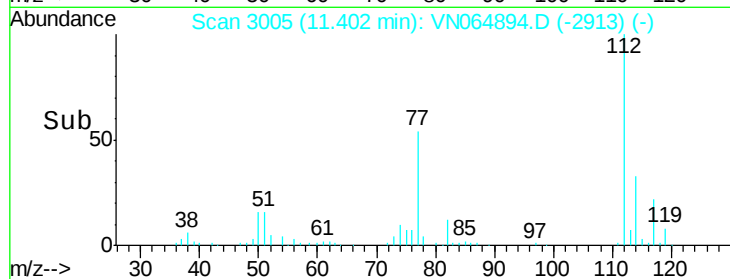
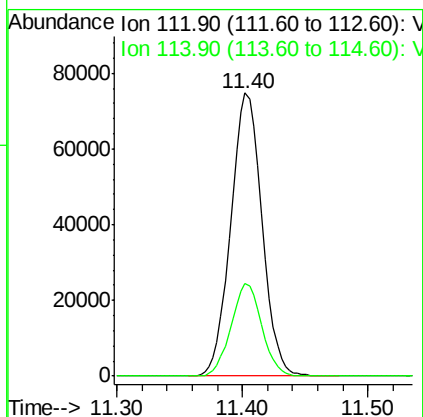
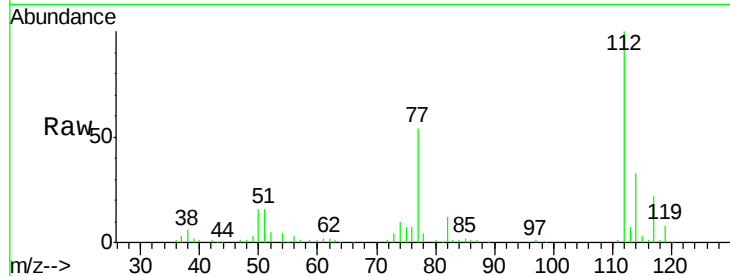
#65
Chlorobenzene
Concen: 19.833 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion:112 Resp: 129218
Ion Ratio Lower Upper
112 100
114 32.6 25.1 37.7

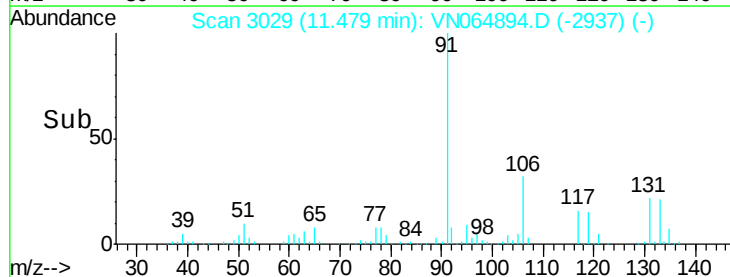
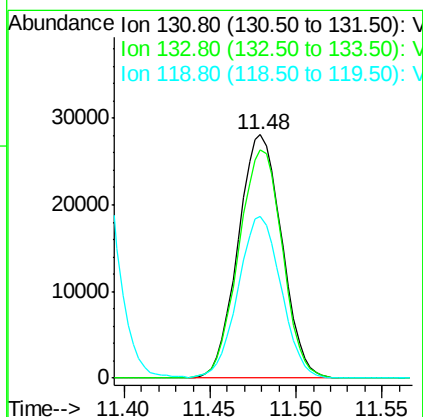
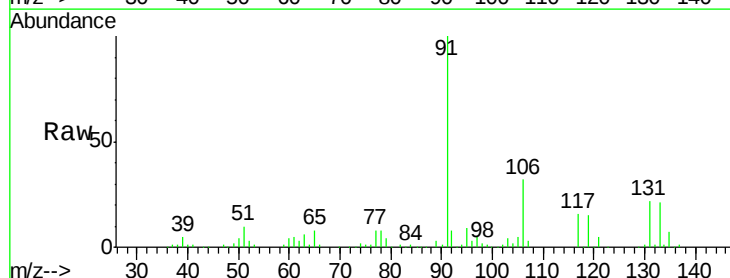
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.681 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion:131 Resp: 49517
Ion Ratio Lower Upper
131 100
133 93.7 47.5 142.5
119 65.5 33.3 99.8





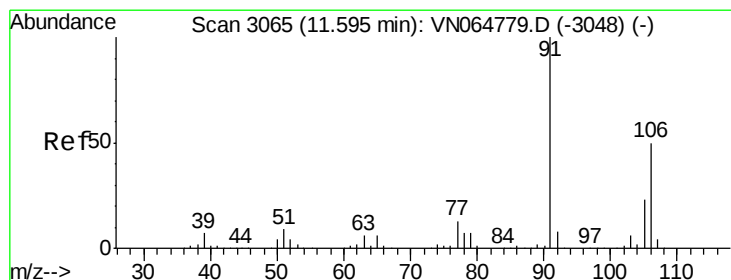
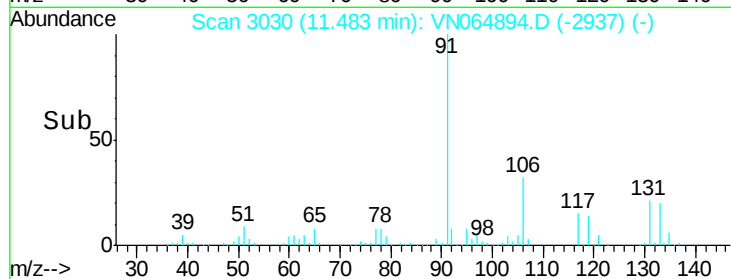
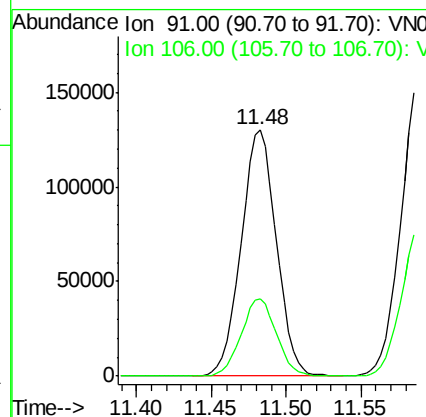
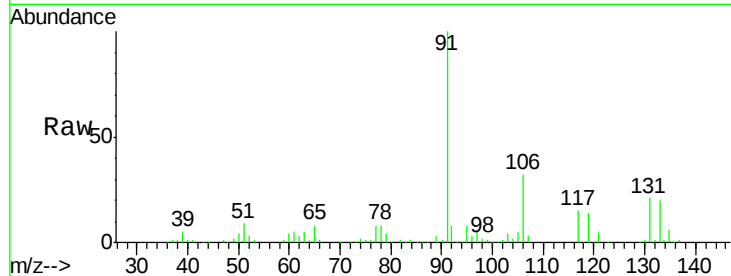
#67
Ethyl Benzene
Concen: 19.571 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion: 91 Resp: 213016
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

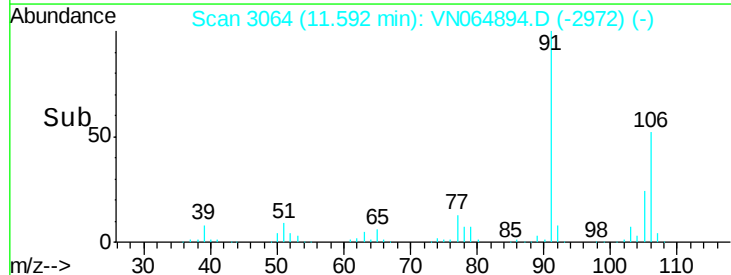
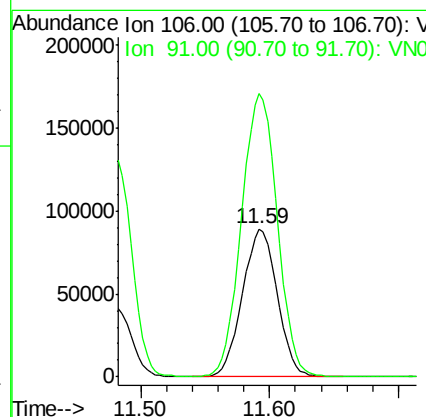
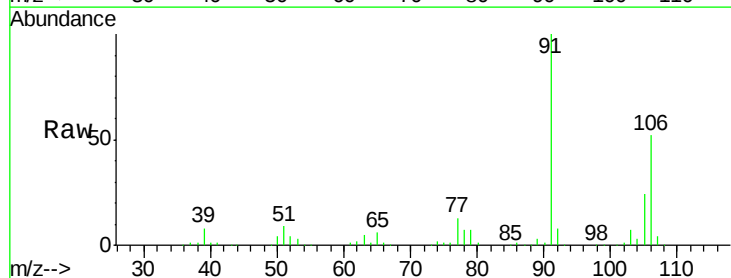
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#68
m/p-Xylenes
Concen: 40.816 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion: 106 Resp: 168192
Ion Ratio Lower Upper
106 100
91 195.2 161.0 241.4





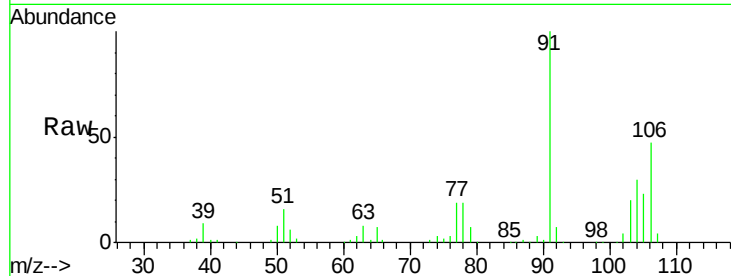
#69
o-Xylene
Concen: 19.853 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampled :
VN1203MBS01

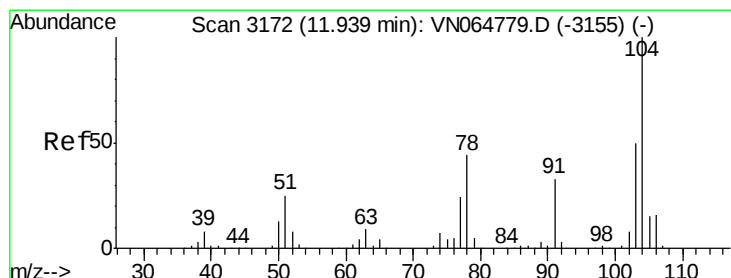
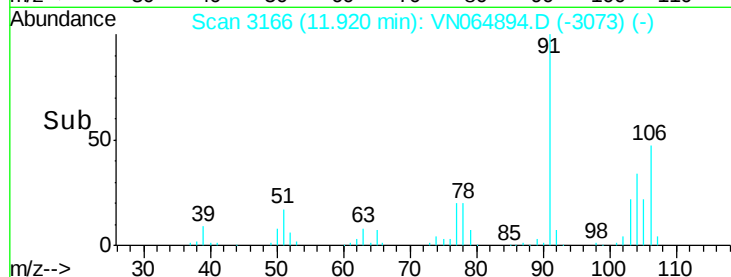
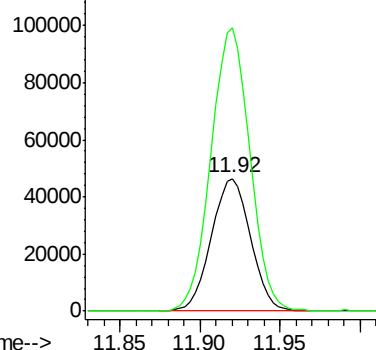
Tot Ion:106 Resp: 77635
Ion Ratio Lower Upper
106 100
91 212.1 105.5 316.5

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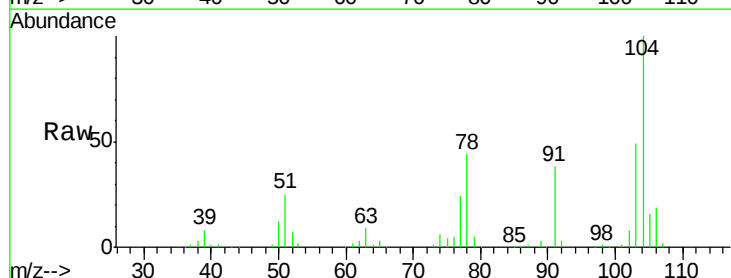


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

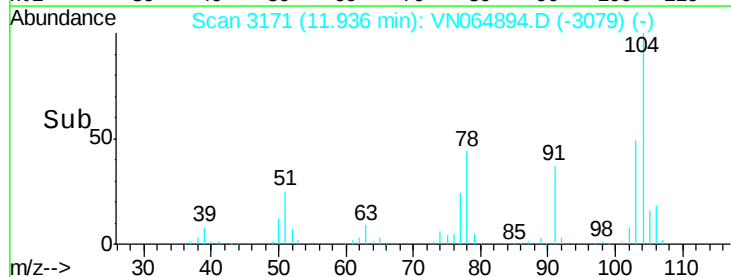
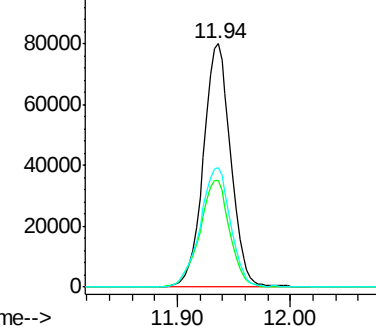


#70
Styrene
Concen: 20.447 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion:104 Resp: 134977
Ion Ratio Lower Upper
104 100
78 47.9 39.0 58.6
103 54.2 44.3 66.5



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





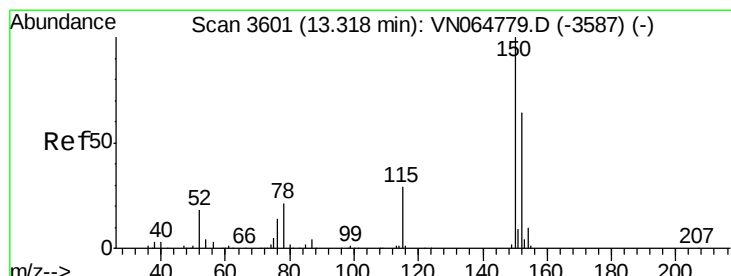
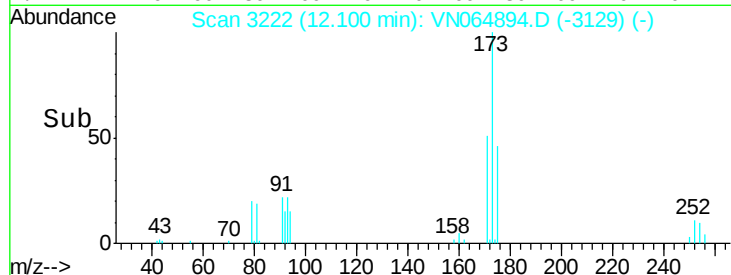
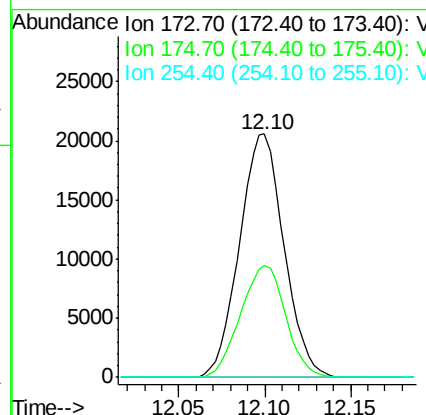
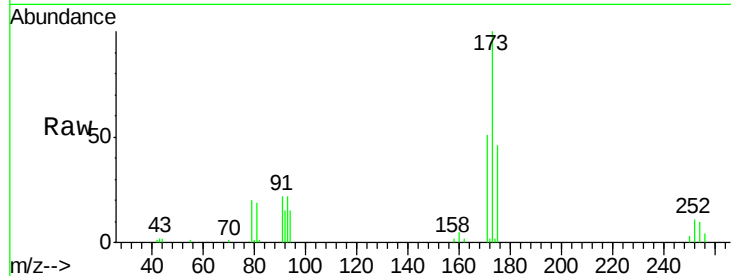
#71
Bromoform
Concen: 19.292 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.3	72.8
254	0.0	0.0	0.0

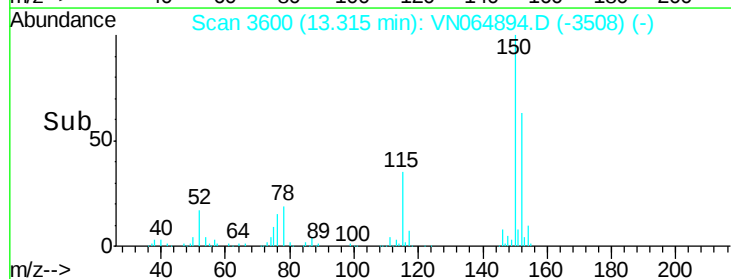
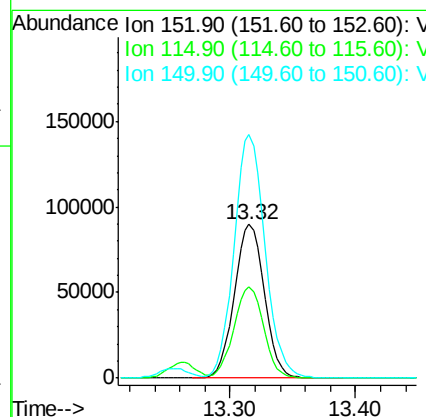
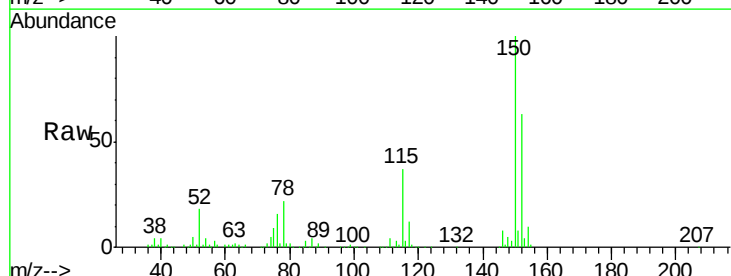
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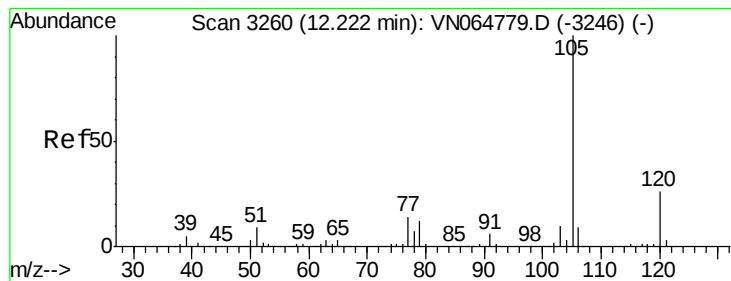
SAM
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.7	89.1
150	162.5	0.0	350.6





#73

Isopropylbenzene

Concen: 20.426 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203MBS01

Tot Ion: 105 Resp: 212237

Ion Ratio Lower Upper

105 100

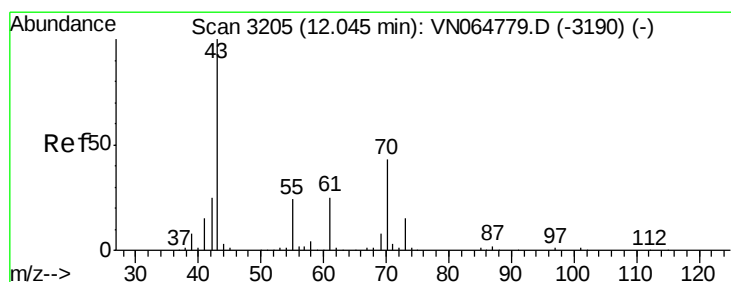
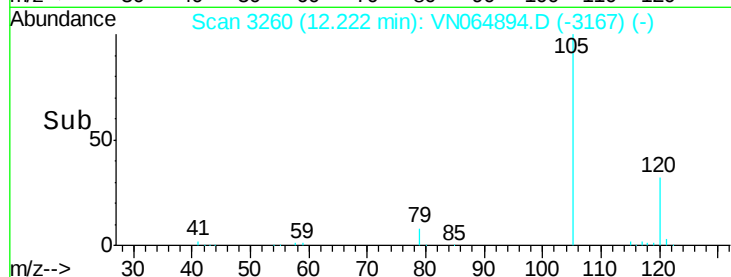
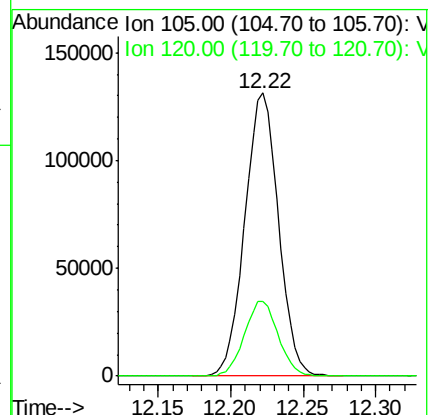
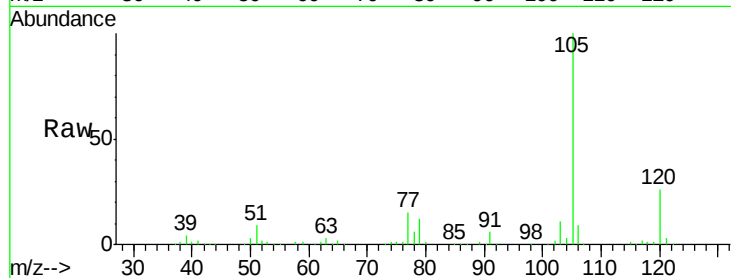
120 26.5 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.090 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Tgt Ion: 43 Resp: 73969

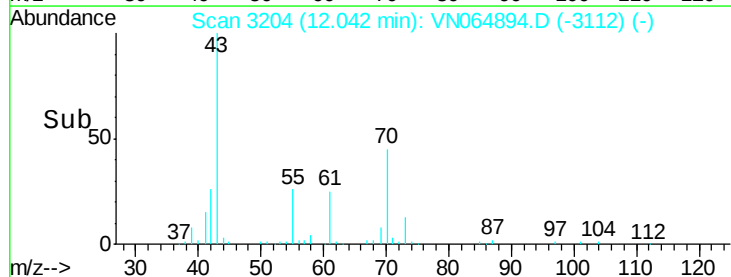
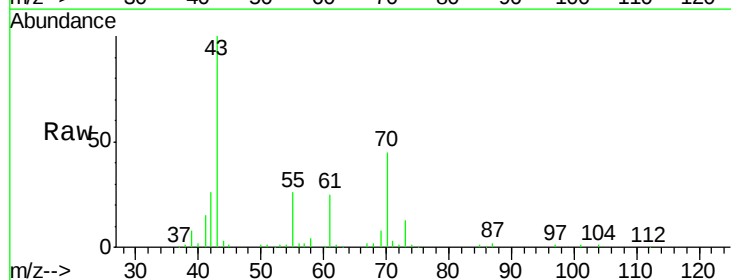
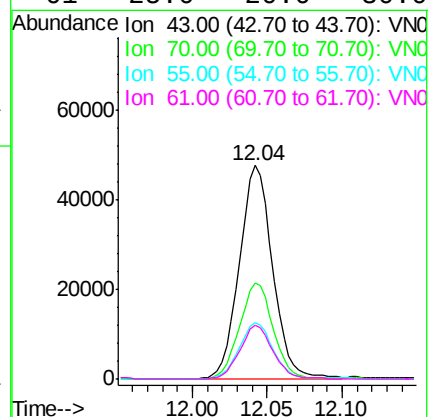
Ion Ratio Lower Upper

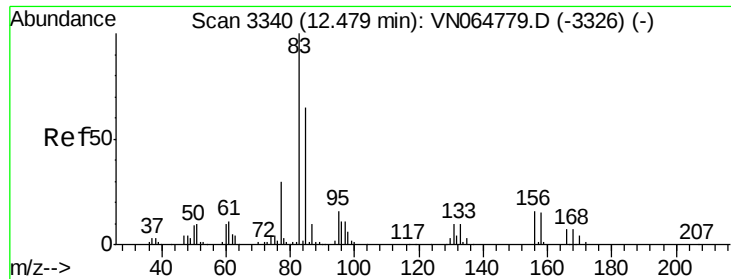
43 100

70 45.8 34.5 51.7

55 26.6 20.4 30.6

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.639 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampleId :

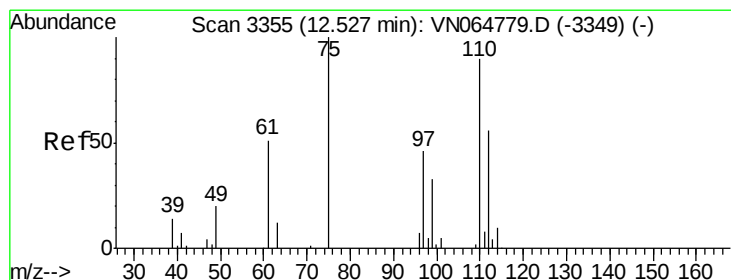
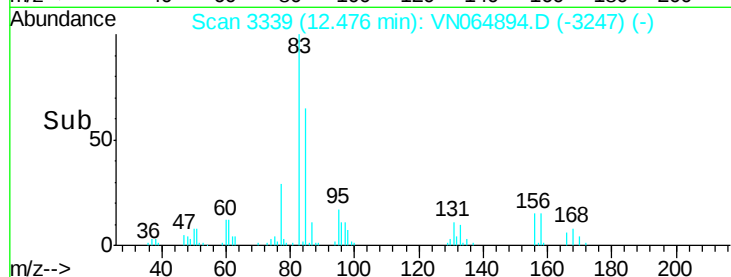
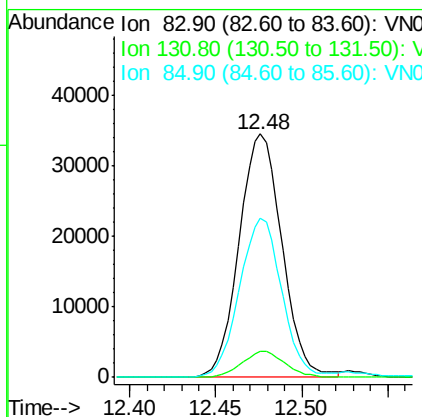
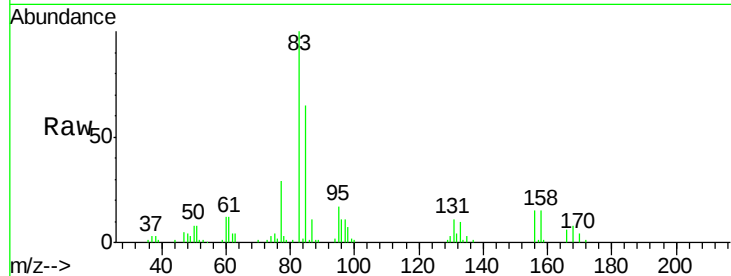
VN1203MBS01

Tot Ion:	83	Resp:	59809
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	64.2	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 18.807 ug/l m

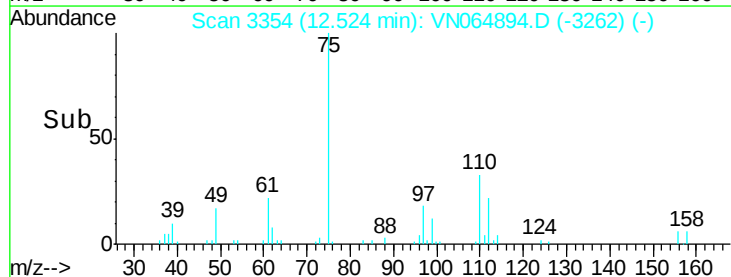
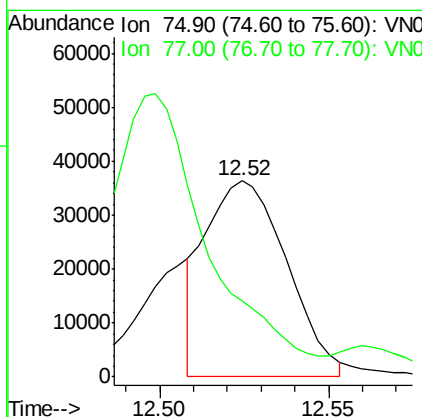
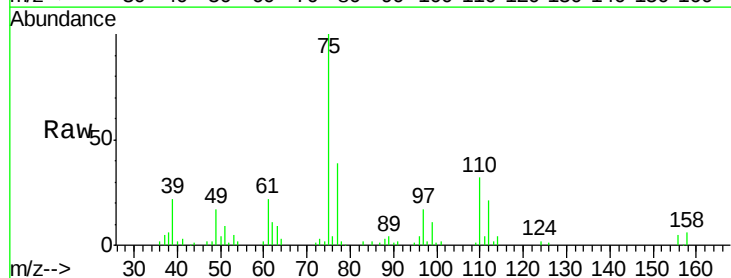
RT: 12.52 min Scan# 3354

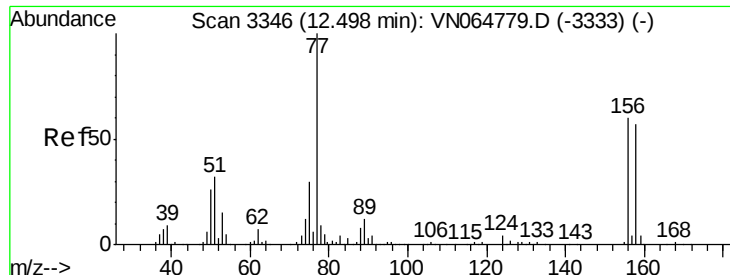
Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Tgt Ion:	75	Resp:	60503
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





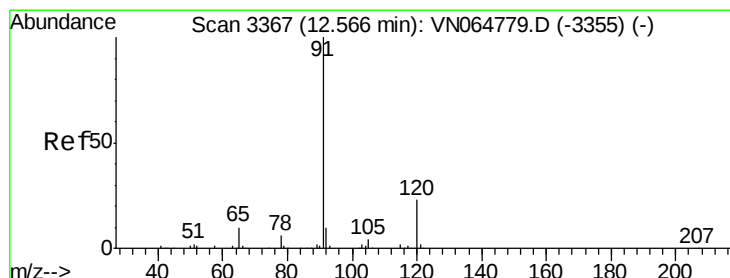
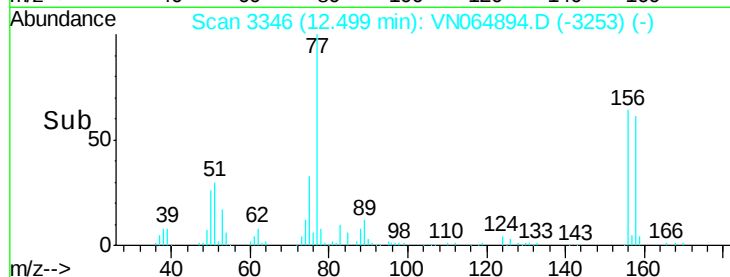
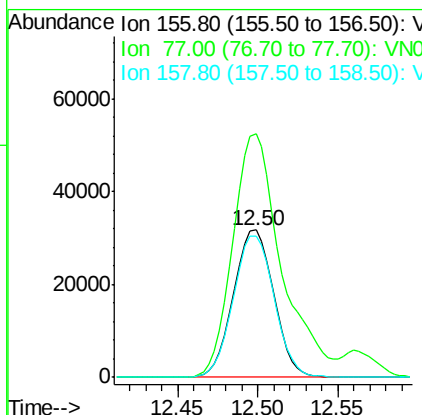
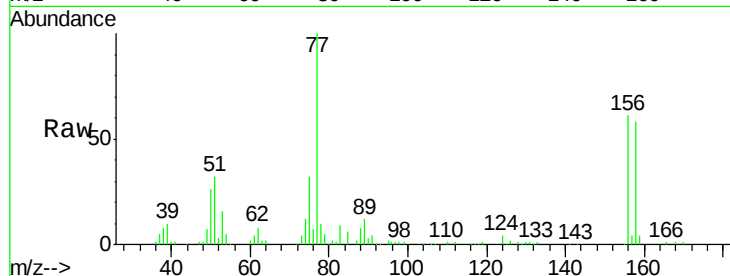
#77
Bromobenzene
Concen: 19.494 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.7	101.3	303.7
158	97.6	48.2	144.6

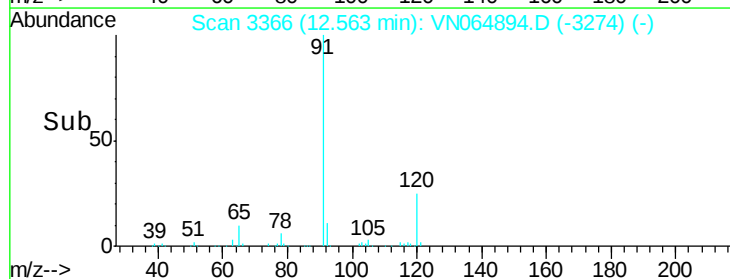
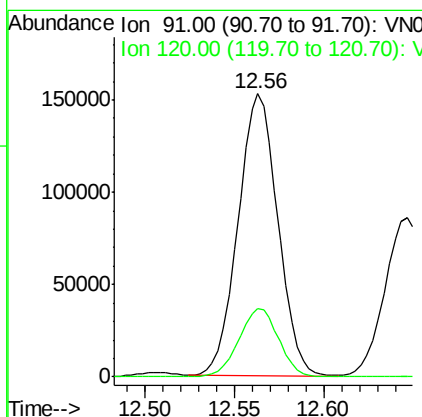
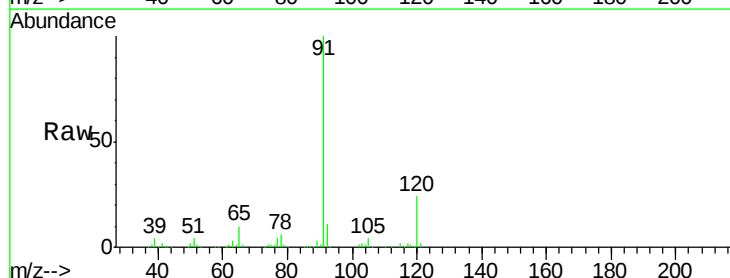
Manual Integrations
APPROVED

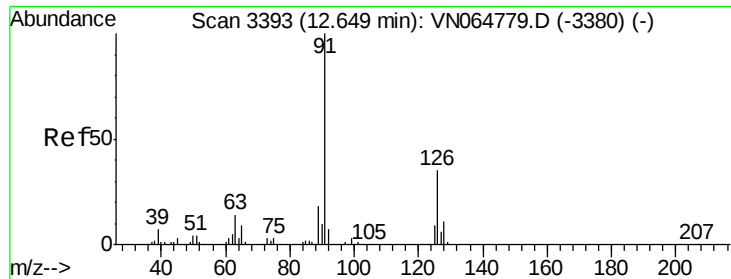
SAM
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#78
n-propylbenzene
Concen: 20.090 ug/l
RT: 12.56 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.6	34.7





#79

2-Chlorotoluene

Concen: 19.552 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064894.D

Acq: 3 Dec 2020 12:42

Instrument :

MSVOA_N

ClientSampled :

VN1203MBS01

Tot Ion: 91 Resp: 143060

Ion Ratio Lower Upper

91 100

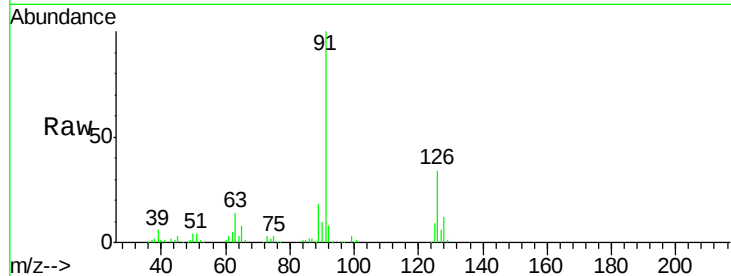
126 34.2 17.2 51.6

Manual Integrations

APPROVED

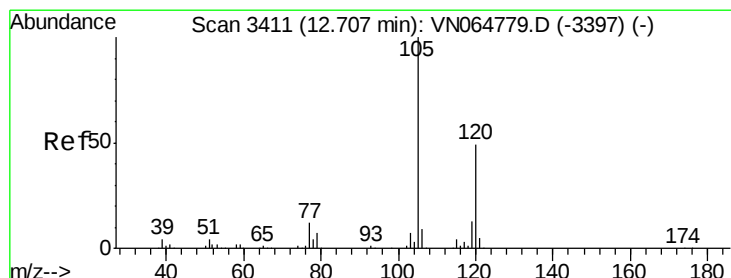
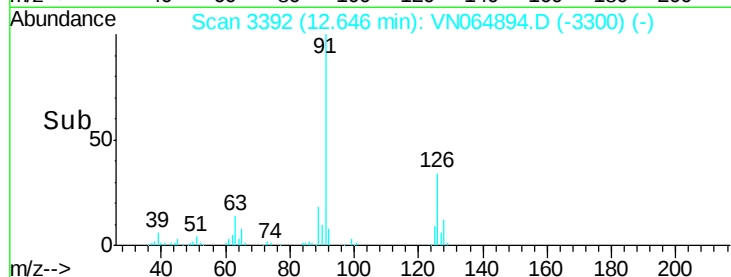
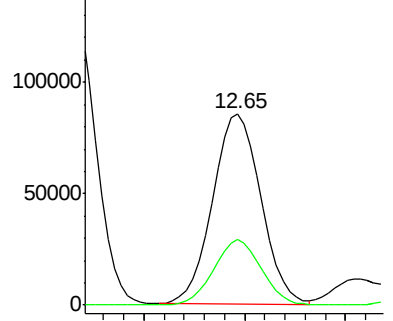
SAM

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Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.793 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064894.D

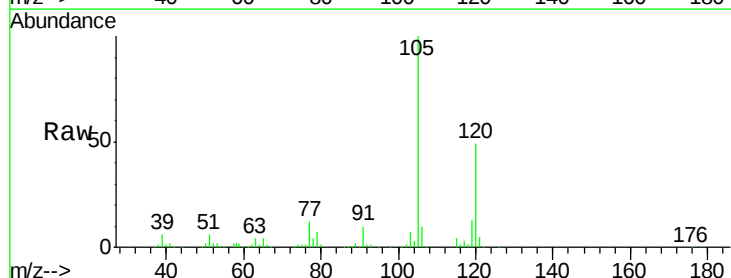
Acq: 3 Dec 2020 12:42

Tgt Ion: 105 Resp: 179575

Ion Ratio Lower Upper

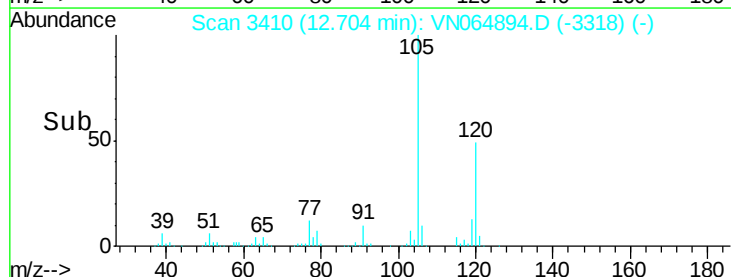
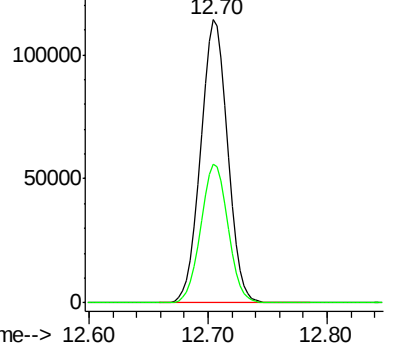
105 100

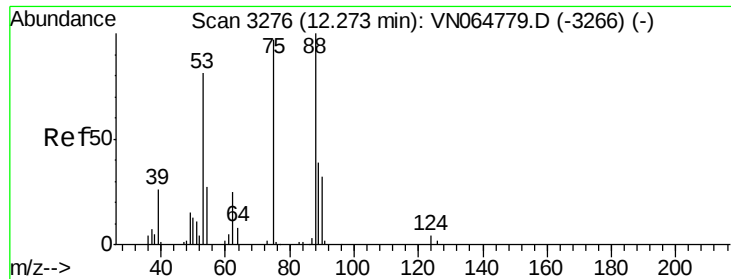
120 49.5 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3397) (-)





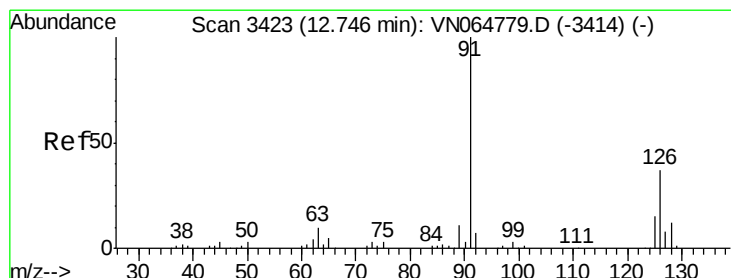
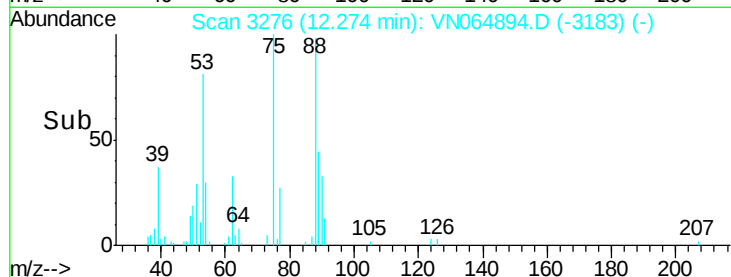
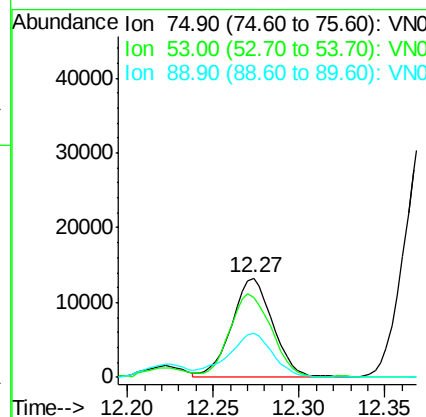
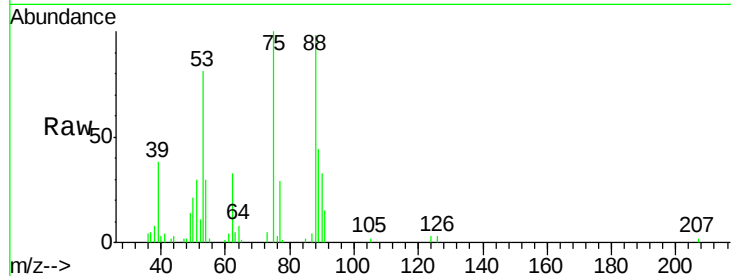
#81
trans-1,4-Dichloro-2-butene
Concen: 18.897 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.3	67.0	100.4
89	48.5	39.6	59.4

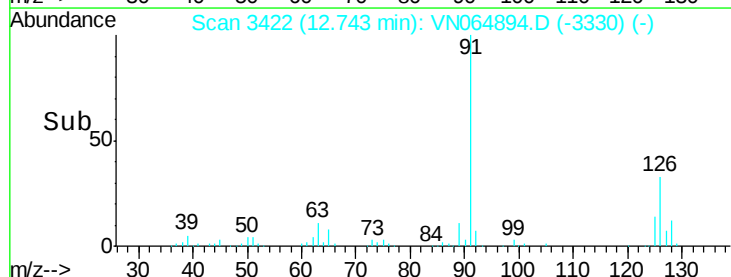
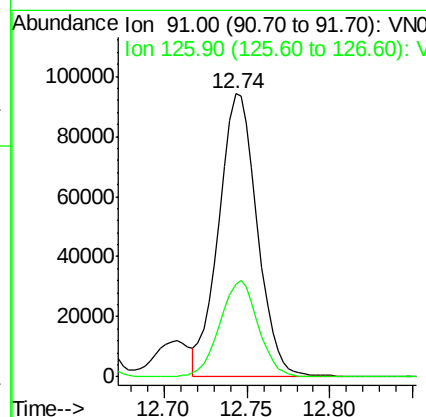
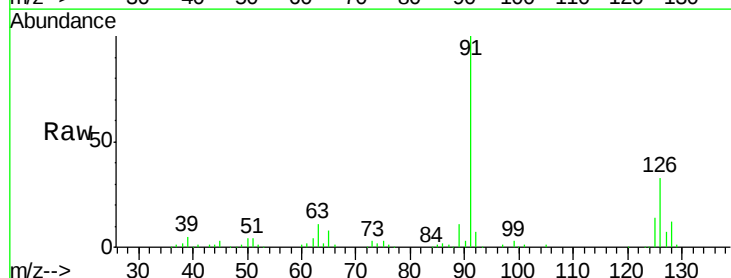
Manual Integrations
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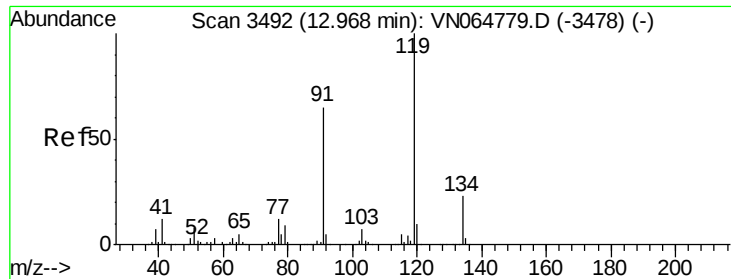
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#82
4-Chlorotoluene
Concen: 19.683 ug/l
RT: 12.74 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.9	50.7





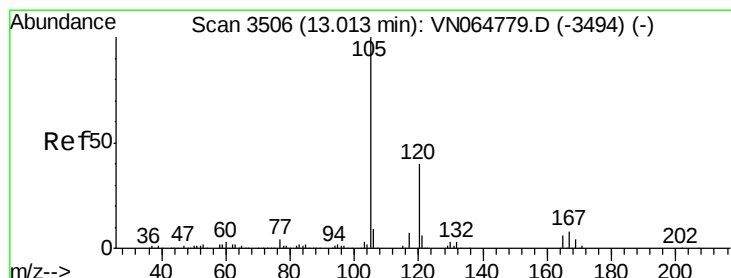
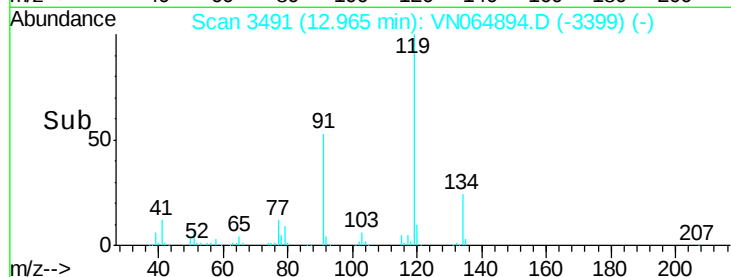
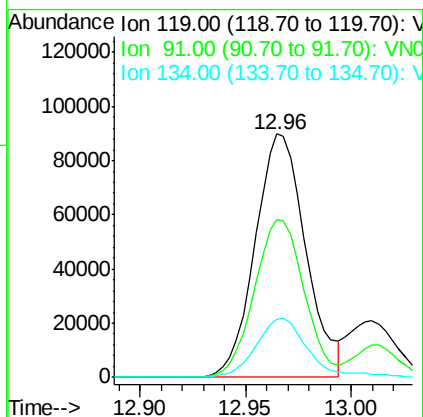
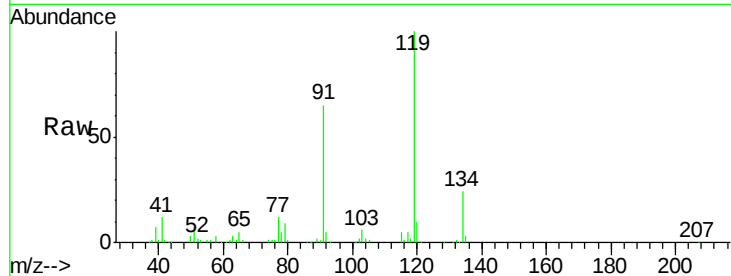
#83
 tert-Butylbenzene
 Concen: 20.721 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	149997		
91	63.9		32.3	96.8
134	24.9		12.6	37.6

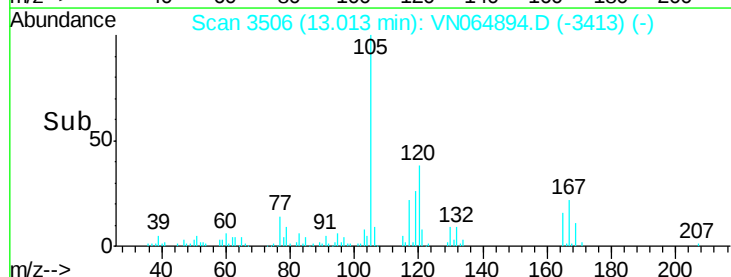
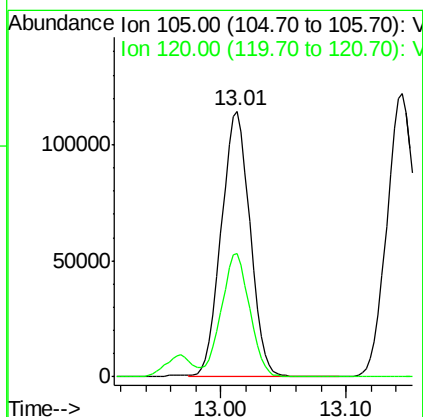
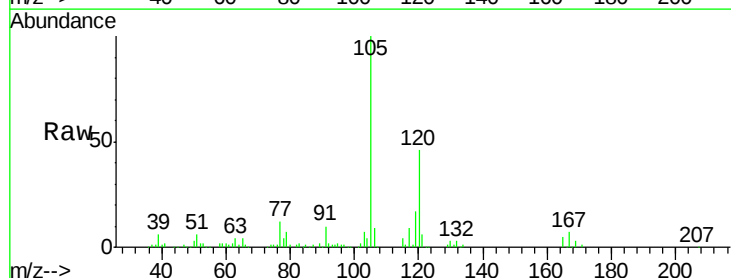
Manual Integrations
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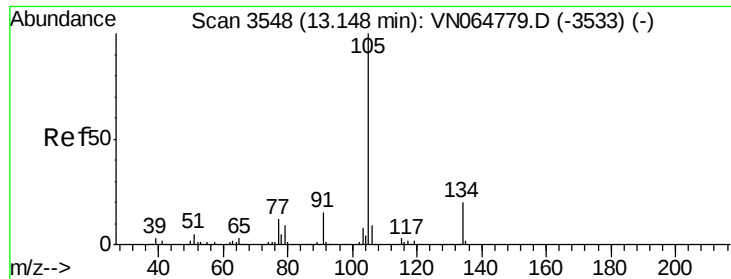
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.862 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182166		
120	45.6		23.1	69.2





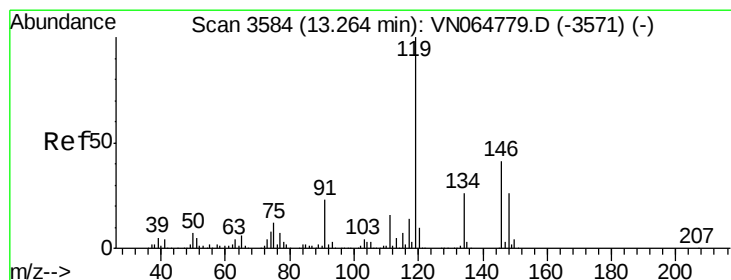
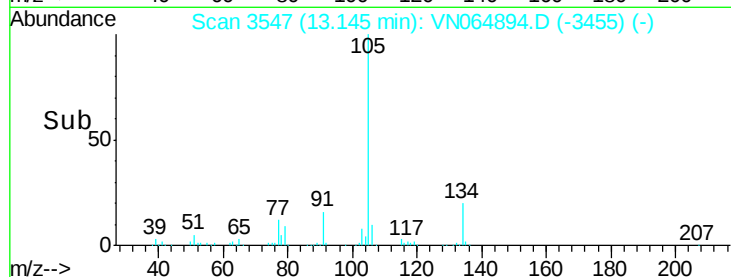
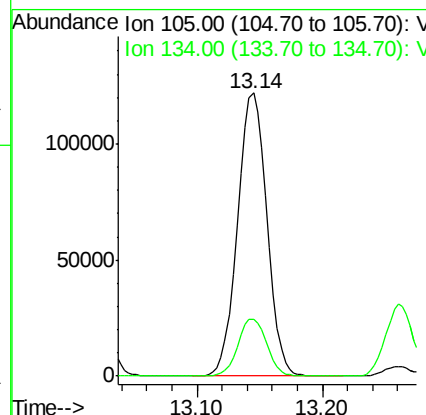
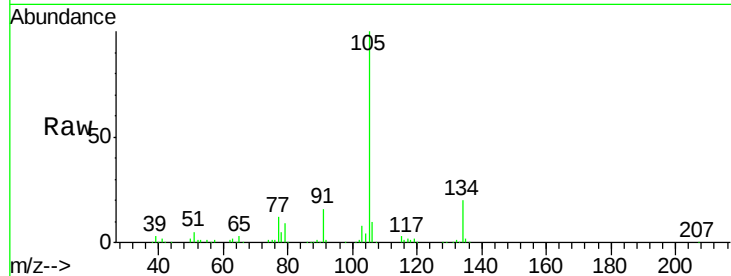
#85
 sec-Butylbenzene
 Concen: 20.622 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN1203MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.1	30.1

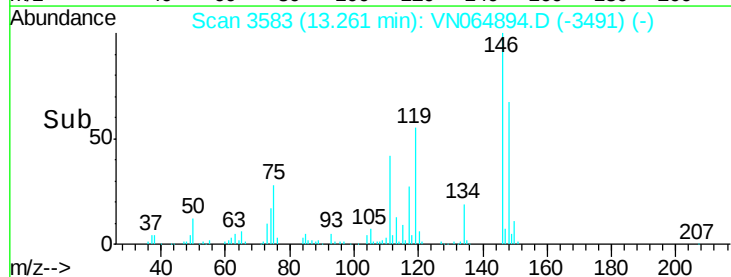
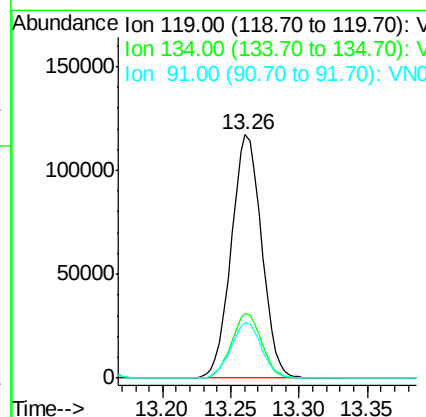
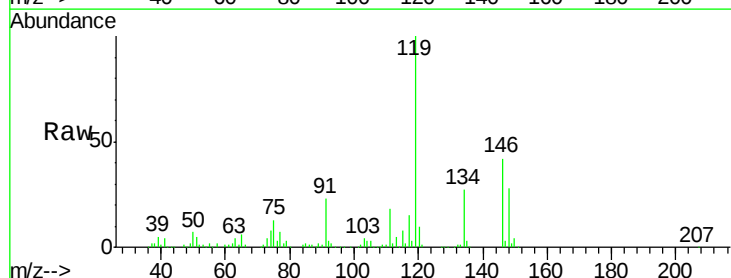
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 20.707 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.1
91	23.0	11.5	34.5





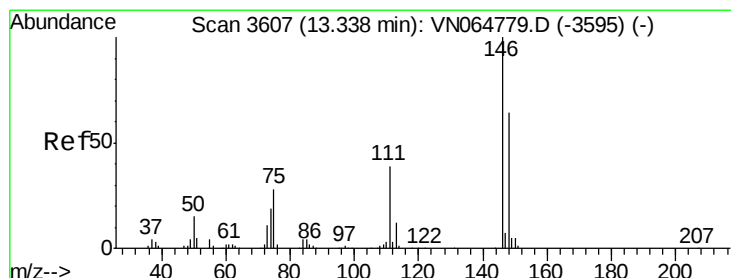
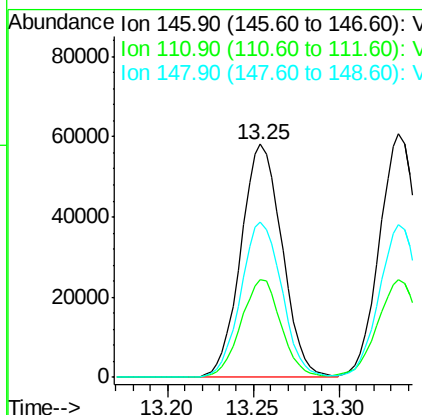
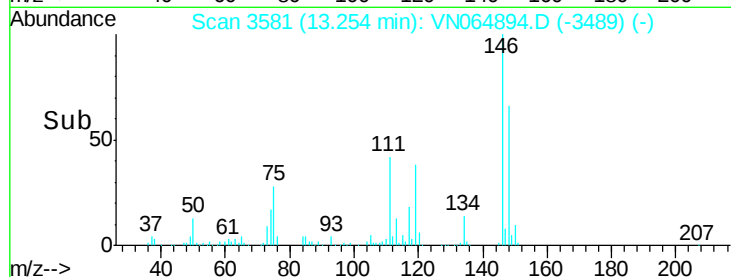
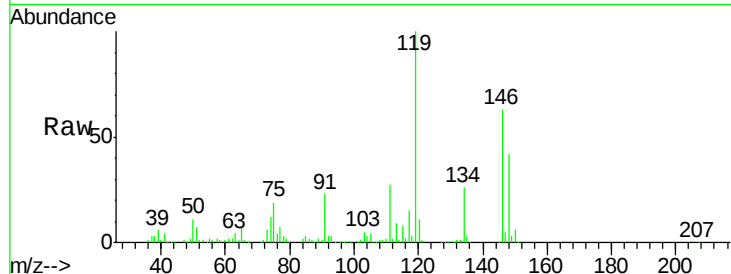
#87
 1,3-Dichlorobenzene
 Concen: 19.433 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	66.0	31.9	95.5

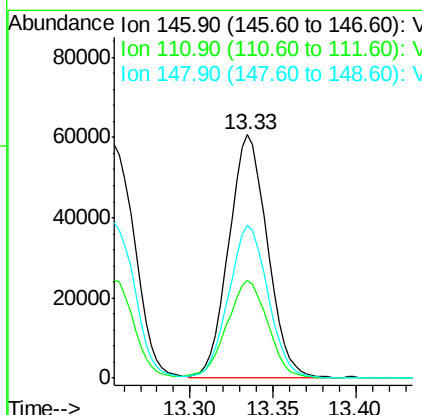
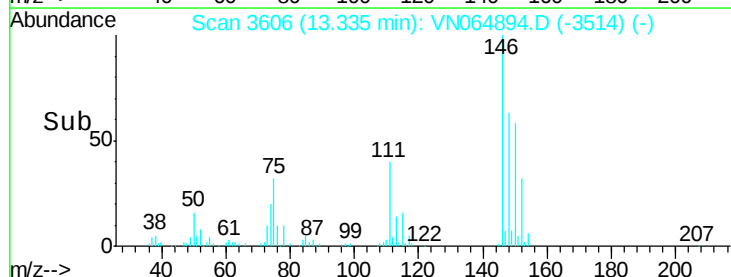
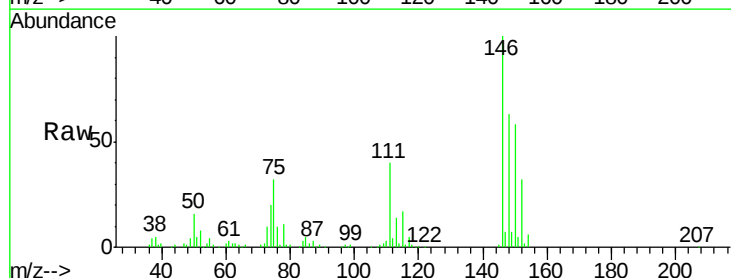
Manual Integrations
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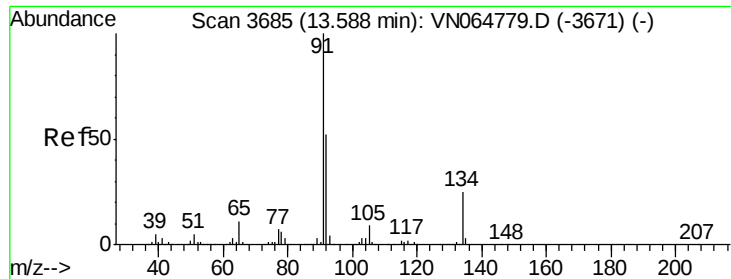
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#88
 1,4-Dichlorobenzene
 Concen: 18.602 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.8	59.3
148	64.5	31.9	95.5





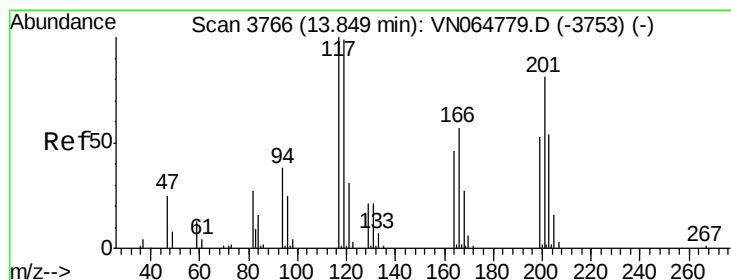
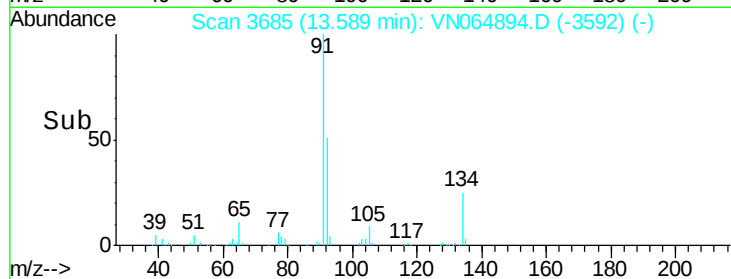
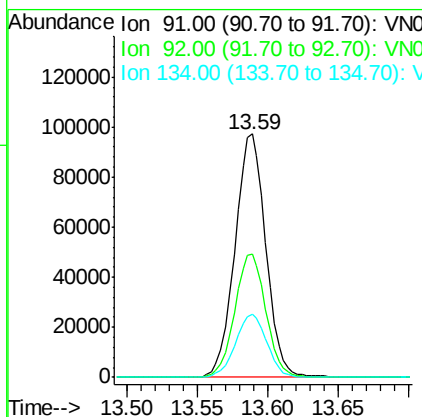
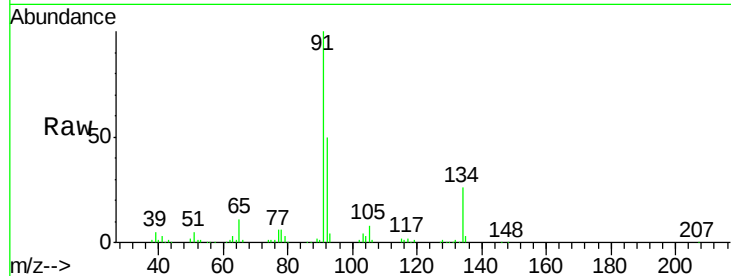
#89
n-Butylbenzene
Concen: 19.375 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.0	78.0
134	26.2	12.9	38.6

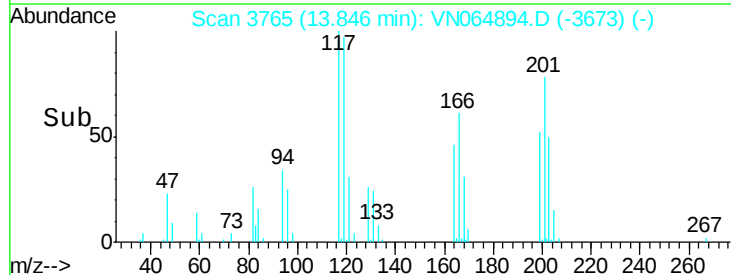
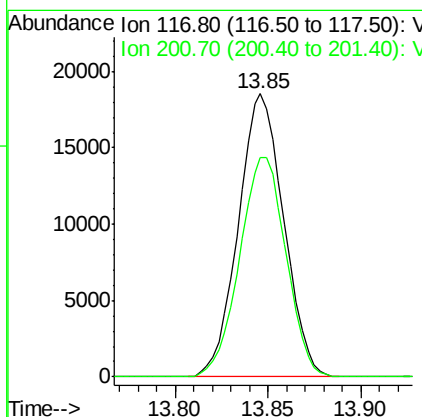
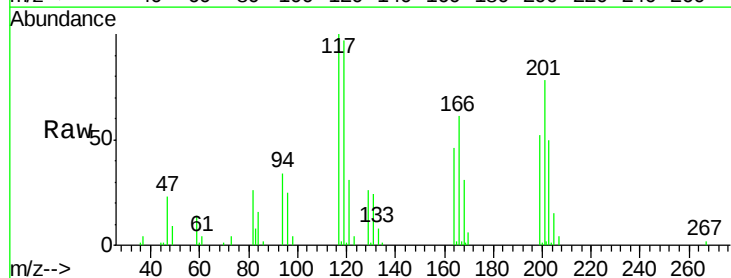
Manual Integrations
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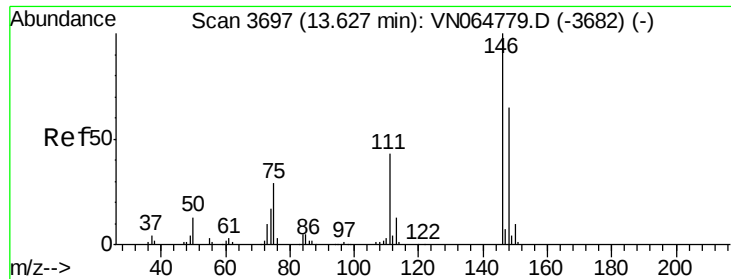
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#90
Hexachloroethane
Concen: 20.635 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.5	40.1	120.3





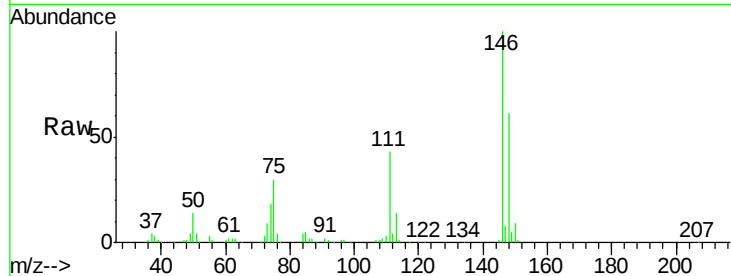
#91
 1,2-Dichlorobenzene
 Concen: 19.995 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.1
148	62.8	32.0	96.2

Manual Integrations
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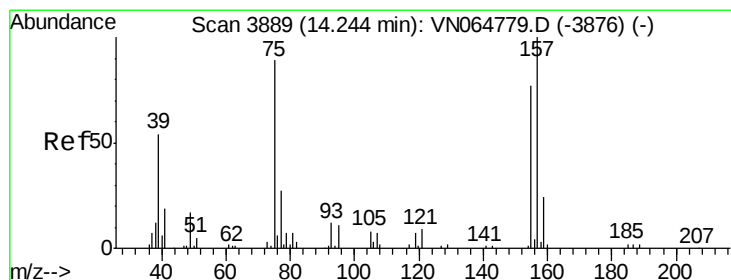
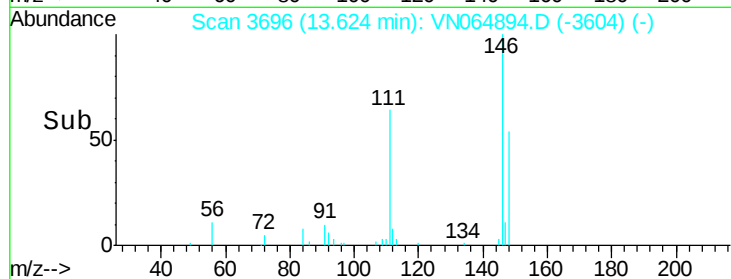
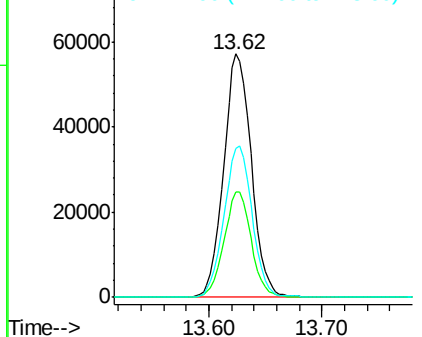


Abundance

Ion 145.90 (145.60 to 146.60): V

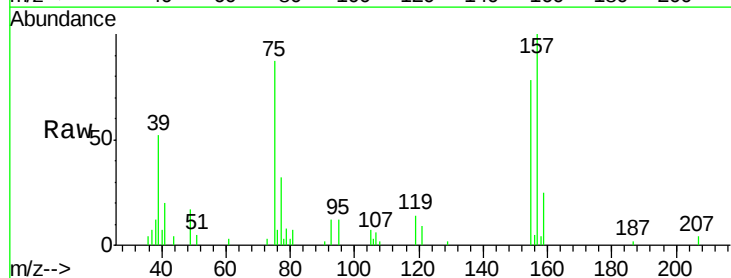
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.410 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	42.8	128.3
157	116.1	56.4	169.1

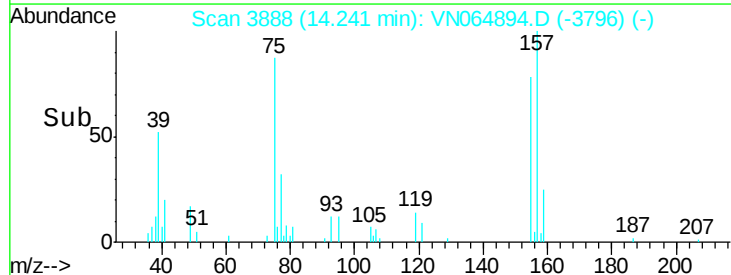
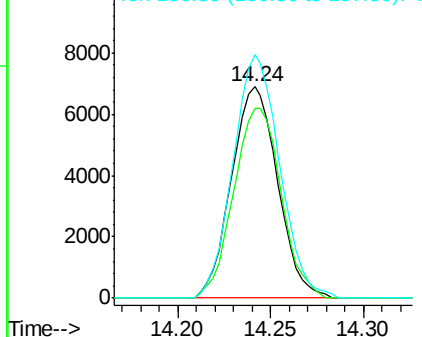


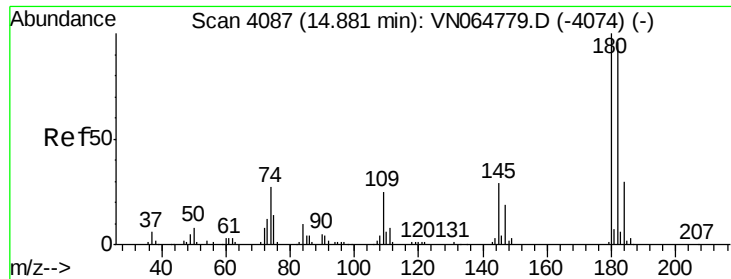
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





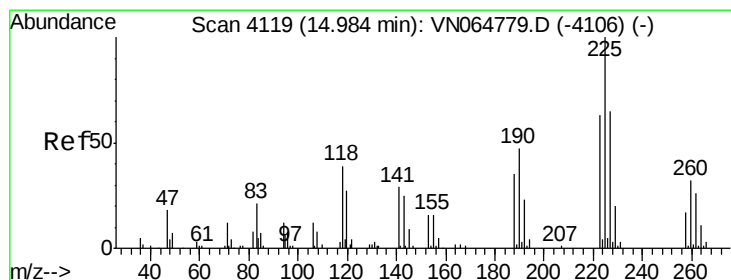
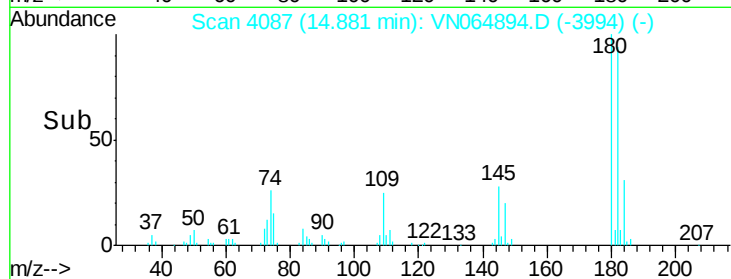
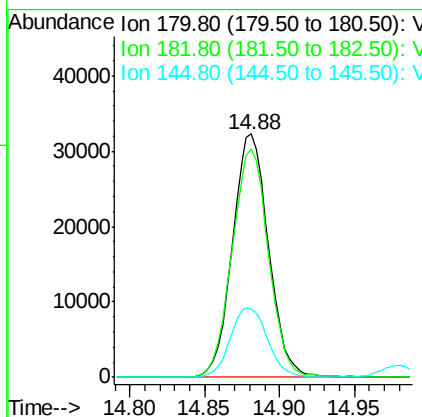
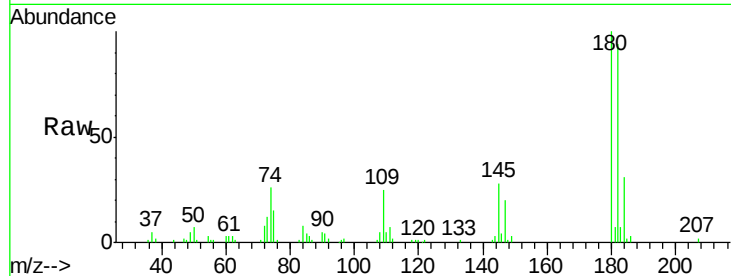
#93
 1,2,4-Trichlorobenzene
 Concen: 17.875 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.9
145	29.5	15.3	45.8

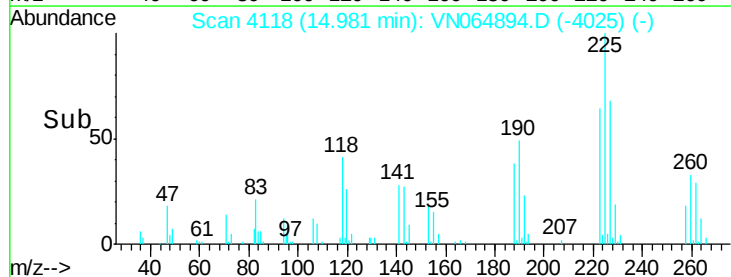
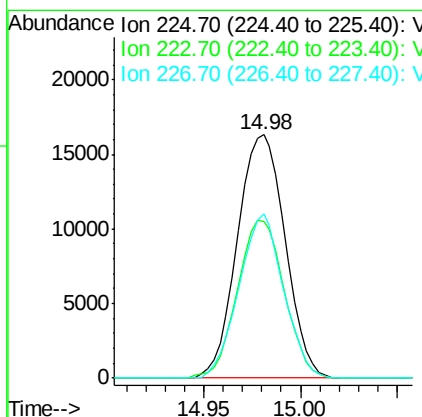
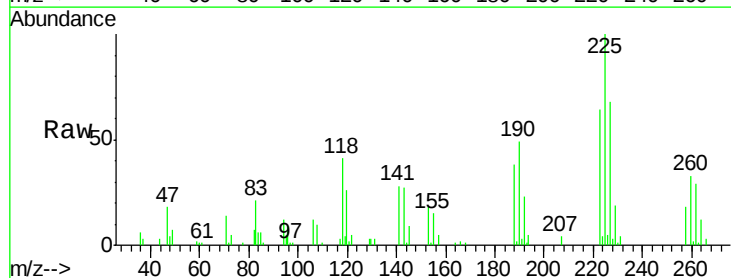
Manual Integrations
 APPROVED

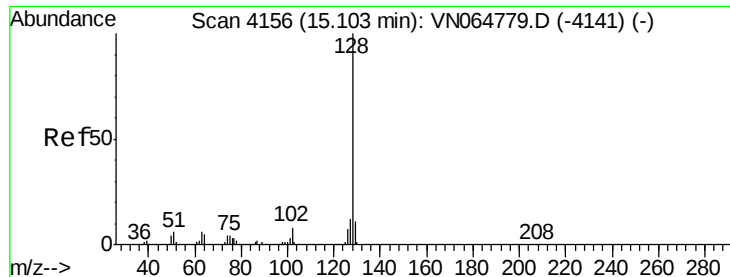
SAM
 12/4/2020 5:43:35 PM



#94
 Hexachlorobutadiene
 Concen: 20.796 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064894.D
 Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.0	93.0
227	63.1	32.0	96.0





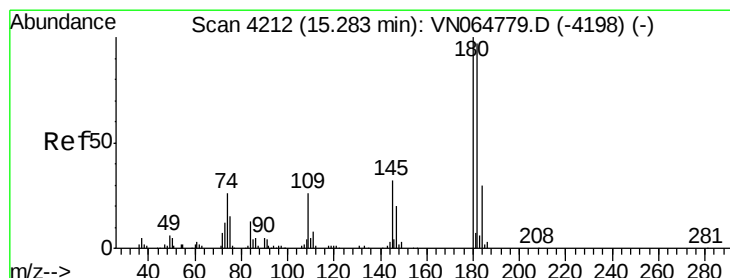
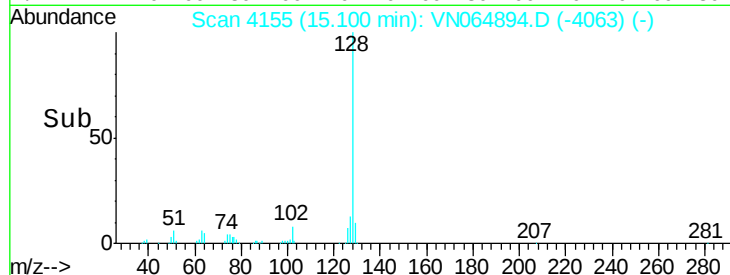
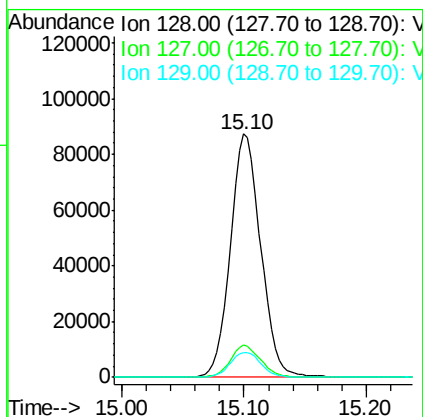
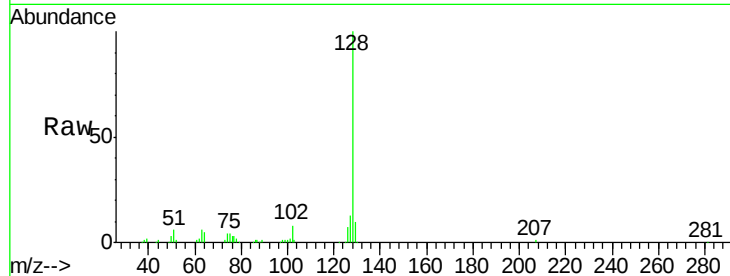
#95
Naphthalene
Concen: 16.703 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.5	8.7	13.1

Manual Integrations
APPROVED

SAM
12/4/2020 5:43:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.115 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN064894.D
Acq: 3 Dec 2020 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.1	144.4
145	31.9	16.4	49.1

