

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064909.D
 Acq On : 4 Dec 2020 10:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:45:21 AM

Quant Time: Dec 05 01:46:25 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	242961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	360665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	328734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	135296	47.90	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.80%
35) Dibromofluoromethane	7.55	113	117451	54.42	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.84%
50) Toluene-d8	10.06	98	451018	51.15	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.30%
62) 4-Bromofluorobenzene	12.37	95	161454	51.16	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	88617	42.085	ug/l 97
3) Chloromethane	2.04	50	113881	41.618	ug/l 100
4) Vinyl Chloride	2.17	62	123642	43.340	ug/l 97
5) Bromomethane	2.54	94	84194	44.983	ug/l 100
6) Chloroethane	2.68	64	79330	44.959	ug/l 98
7) Trichlorofluoromethane	2.99	101	186659	47.333	ug/l 99
8) Diethyl Ether	3.37	74	72568	46.619	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	115743	48.926	ug/l 99
10) Methyl Iodide	3.91	142	141413	46.086	ug/l 99
11) Tert butyl alcohol	4.74	59	90490	205.425	ug/l 99
12) 1,1-Dichloroethene	3.69	96	110487	46.896	ug/l 99
13) Acrolein	3.57	56	58013	215.609	ug/l 98
14) Allyl chloride	4.27	41	180812	46.531	ug/l 99
15) Acrylonitrile	4.93	53	282868	232.451	ug/l 99
16) Acetone	3.78	43	208555	224.610	ug/l 97
17) Carbon Disulfide	4.01	76	266594	43.826	ug/l 99
18) Methyl Acetate	4.28	43	132042	47.299	ug/l 99
19) Methyl tert-butyl Ether	4.99	73	375826	49.737	ug/l 99
20) Methylene Chloride	4.50	84	132781	45.636	ug/l 98
21) trans-1,2-Dichloroethene	4.99	96	120432	46.031	ug/l 99
22) Diisopropyl ether	5.90	45	385310	49.540	ug/l 99
23) Vinyl Acetate	5.84	43	1544320	248.294	ug/l 99
24) 1,1-Dichloroethane	5.79	63	227326	48.905	ug/l 99
25) 2-Butanone	6.78	43	352012	233.868	ug/l 97
26) 2,2-Dichloropropane	6.77	77	197965	49.105	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	144392	49.045	ug/l 98
28) Bromochloromethane	7.15	49	90594	42.603	ug/l 97
29) Tetrahydrofuran	7.16	42	231124	222.446	ug/l 98
30) Chloroform	7.32	83	231315	48.256	ug/l 99
31) Cyclohexane	7.61	56	173484	44.067	ug/l 98
32) 1,1,1-Trichloroethane	7.52	97	197473	47.965	ug/l 99
36) 1,1-Dichloropropene	7.75	75	168233	50.324	ug/l 99
37) Ethyl Acetate	6.88	43	148991	46.268	ug/l 99
38) Carbon Tetrachloride	7.73	117	177527	51.037	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	177120	49.217	ug/l	95
40) Benzene	8.00	78	520381	50.798	ug/l	99
41) Methacrylonitrile	7.12	41	77878	52.412	ug/l	86
42) 1,2-Dichloroethane	8.08	62	170757	49.412	ug/l	99
43) Isopropyl Acetate	8.13	43	251794	48.593	ug/l #	90
44) Trichloroethene	8.80	130	151694	50.187	ug/l	95
45) 1,2-Dichloropropane	9.08	63	140029	52.783	ug/l	99
46) Dibromomethane	9.17	93	89614	50.563	ug/l	99
47) Bromodichloromethane	9.37	83	185472	52.010	ug/l	100
48) Methyl methacrylate	9.16	41	123169	49.745	ug/l	98
49) 1,4-Dioxane	9.16	88	41504	886.893	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	760937	244.609	ug/l	100
52) Toluene	10.12	92	329700	52.261	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	205946	51.850	ug/l	98
54) cis-1,3-Dichloropropene	9.80	75	227921	53.536	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	130898	50.457	ug/l	97
56) Ethyl methacrylate	10.40	69	190188	53.126	ug/l	98
57) 1,3-Dichloropropane	10.68	76	216865	50.677	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	473581	240.493	ug/l	100
59) 2-Hexanone	10.72	43	559696	249.996	ug/l	99
60) Dibromochloromethane	10.87	129	150347	52.137	ug/l	98
61) 1,2-Dibromoethane	10.97	107	136155	51.659	ug/l	98
64) Tetrachloroethene	10.60	164	157634	49.287	ug/l	97
65) Chlorobenzene	11.40	112	365729	51.807	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	136089	52.455	ug/l	98
67) Ethyl Benzene	11.48	91	617353	52.348	ug/l	100
68) m/p-Xylenes	11.59	106	482224	108.000	ug/l	98
69) o-Xylene	11.92	106	231261	54.580	ug/l	99
70) Styrene	11.94	104	398074	55.652	ug/l	99
71) Bromoform	12.10	173	105784	51.051	ug/l #	99
73) Isopropylbenzene	12.22	105	603487	53.448	ug/l	100
74) N-amyl acetate	12.04	43	222906	50.164	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	163280	49.337	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	178436m	51.041	ug/l	
77) Bromobenzene	12.50	156	156051	51.264	ug/l	99
78) n-propylbenzene	12.56	91	677956	52.706	ug/l	98
79) 2-Chlorotoluene	12.65	91	405493	50.998	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	507090	54.031	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	63482	49.769	ug/l	98
82) 4-Chlorotoluene	12.75	91	431530	51.778	ug/l	98
83) tert-Butylbenzene	12.97	119	421930	53.636	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	519078	54.703	ug/l	100
85) sec-Butylbenzene	13.14	105	550309	52.688	ug/l	100
86) p-Isopropyltoluene	13.26	119	519783	54.661	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	276749	51.171	ug/l	100
88) 1,4-Dichlorobenzene	13.33	146	277228	48.470	ug/l	100
89) n-Butylbenzene	13.59	91	432284	51.765	ug/l	100
90) Hexachloroethane	13.85	117	86856	52.578	ug/l	98
91) 1,2-Dichlorobenzene	13.62	146	269702	50.788	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	33446	44.914	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	158598	48.279	ug/l	100
94) Hexachlorobutadiene	14.98	225	74150	50.124	ug/l	99
95) Naphthalene	15.10	128	465810	47.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	148173	47.534	ug/l	98

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

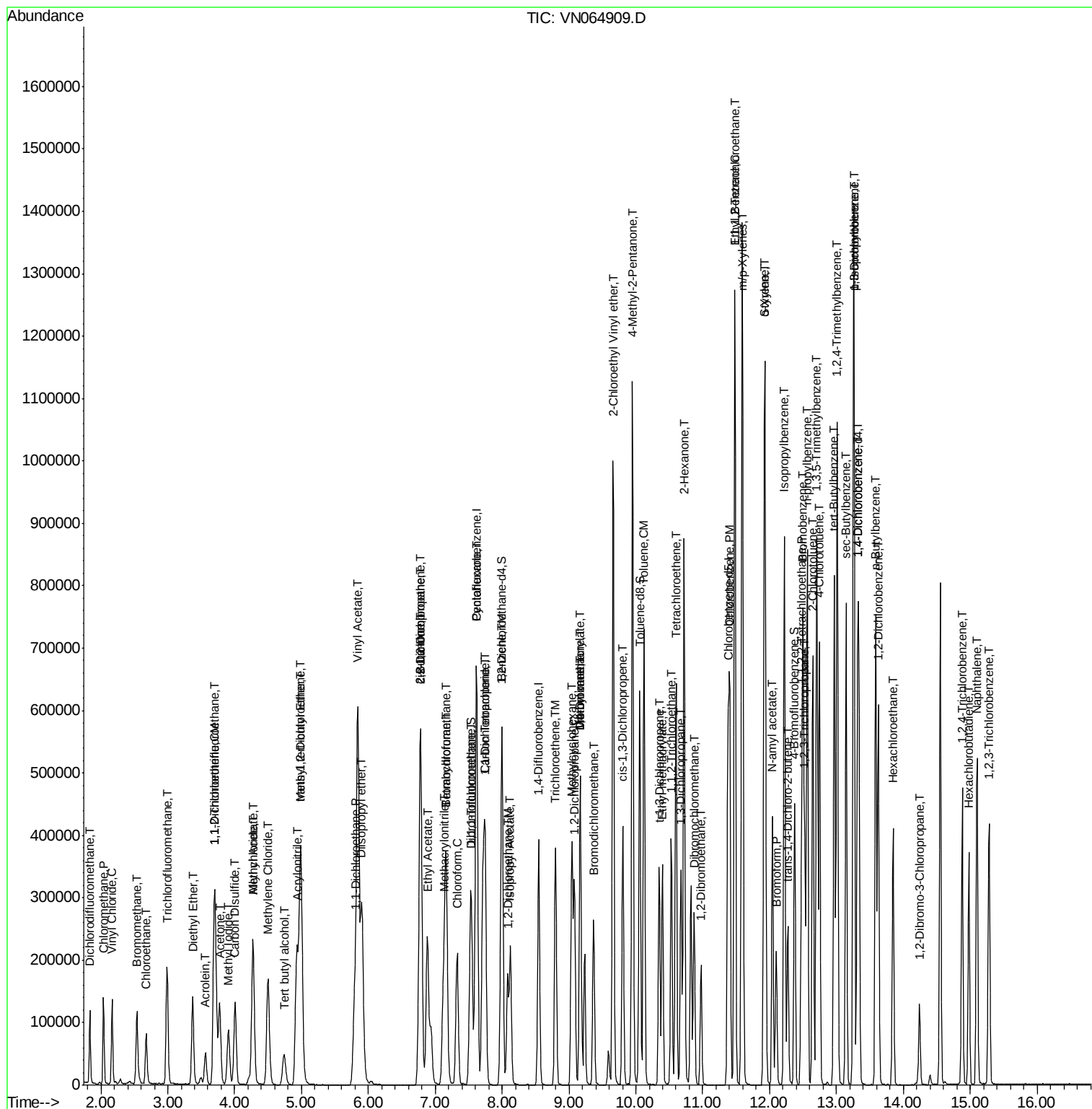
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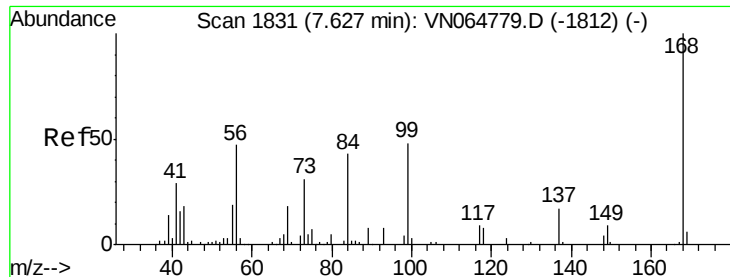
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 242961

Ion Ratio Lower Upper

168 100

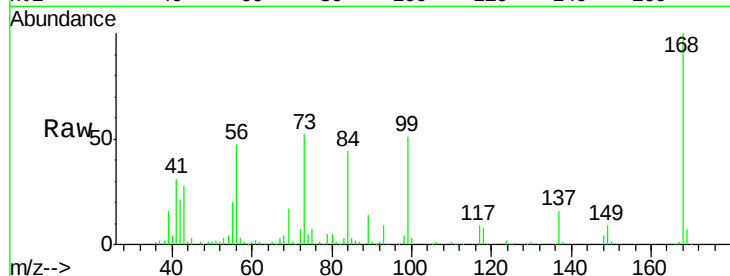
99 50.9 43.0 64.4

Manual Integrations

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12/7/2020 10:45:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

120000

100000

80000

60000

40000

20000

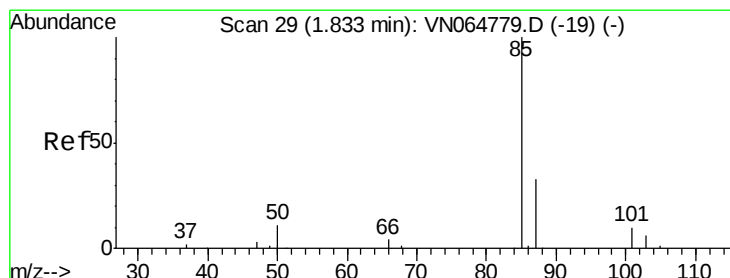
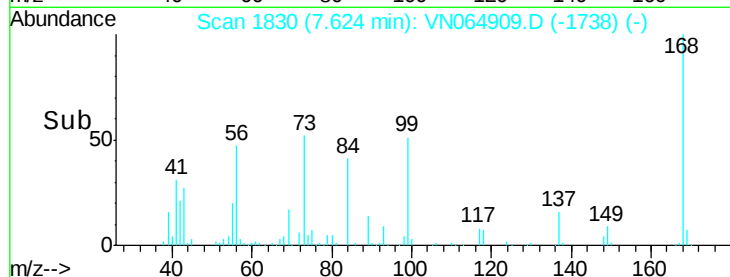
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 42.085 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064909.D

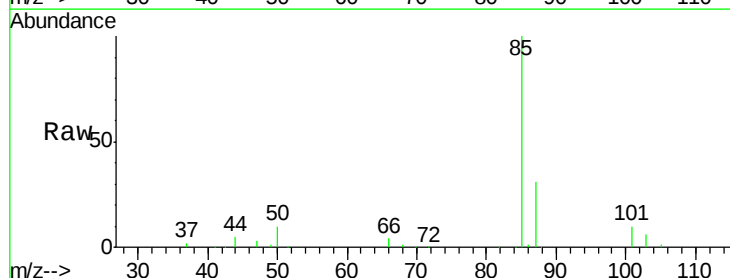
Acq: 4 Dec 2020 10:51

Tgt Ion: 85 Resp: 88617

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

80000

60000

40000

20000

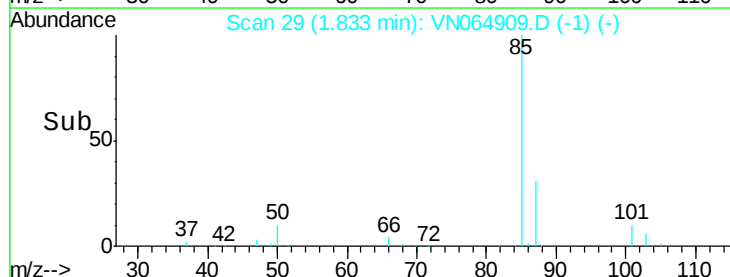
0

1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 41.618 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 113881

Ion Ratio Lower Upper

50 100

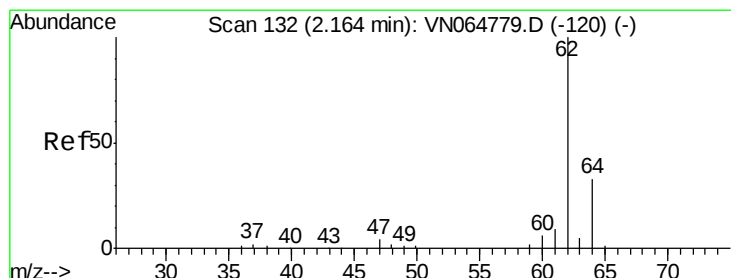
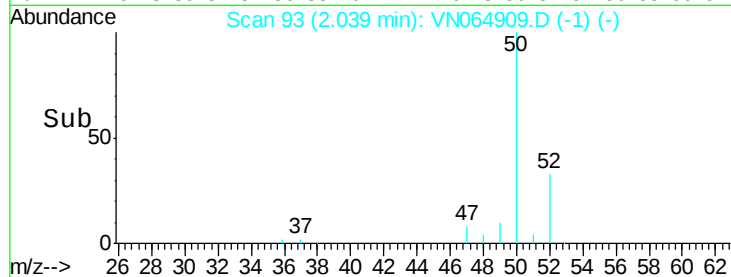
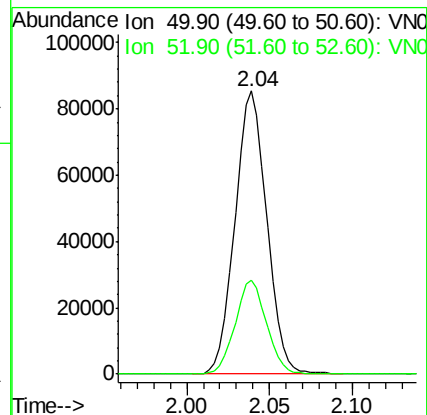
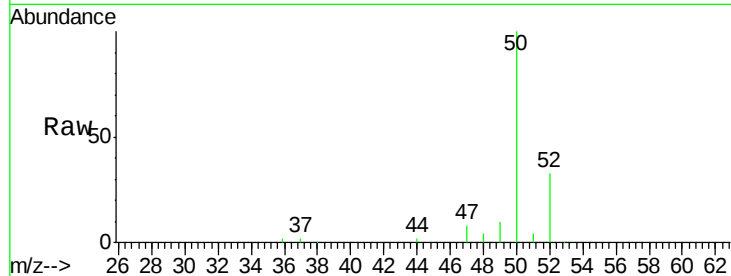
52 33.4 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.340 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064909.D

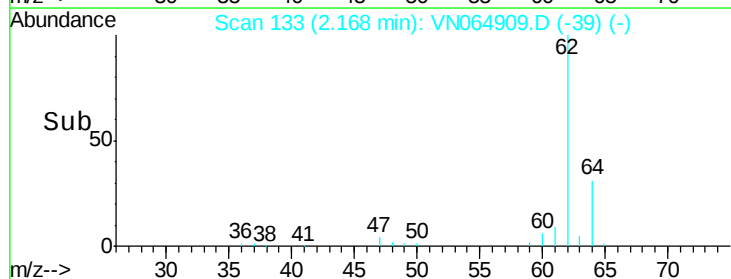
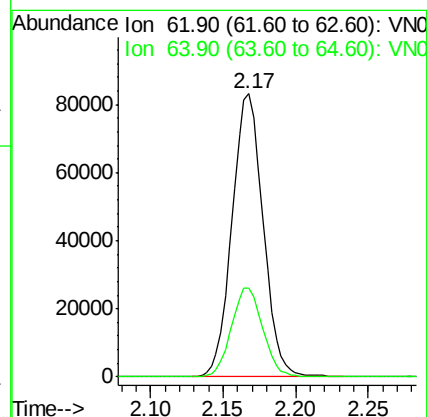
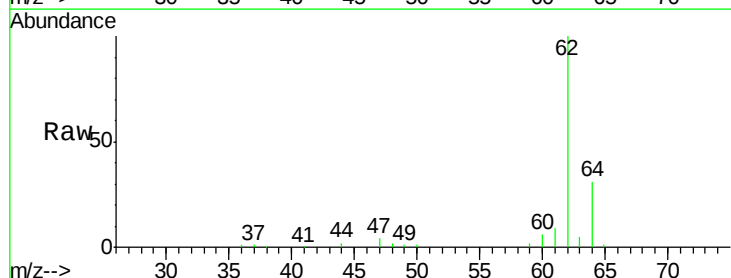
Acq: 4 Dec 2020 10:51

Tgt Ion: 62 Resp: 123642

Ion Ratio Lower Upper

62 100

64 31.4 26.5 39.7





#5

Bromomethane

Concen: 44.983 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 84194

Ion Ratio Lower Upper

94 100

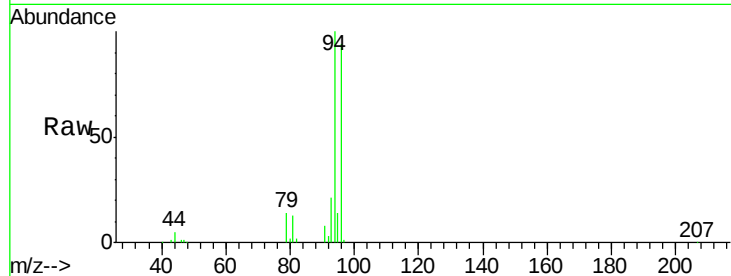
96 93.8 75.4 113.0

Manual Integrations

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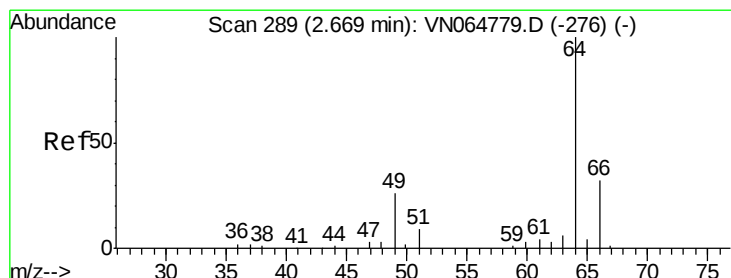
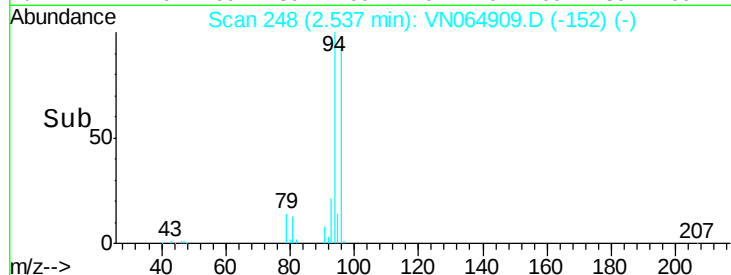


Abundance Ion 93.90 (93.60 to 94.60): VN064909.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN064909.D (-152) (-)

2.54

Time-->



#6

Chloroethane

Concen: 44.959 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064909.D

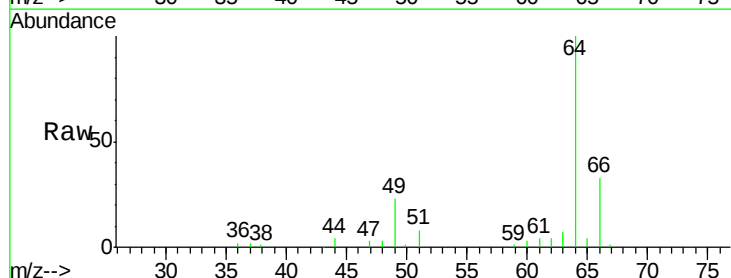
Acq: 4 Dec 2020 10:51

Tgt Ion: 64 Resp: 79330

Ion Ratio Lower Upper

64 100

66 32.9 25.6 38.4

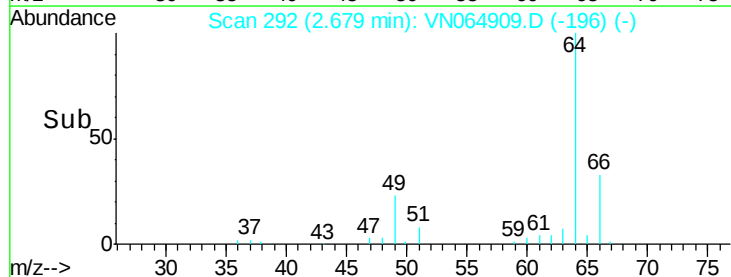


Abundance Ion 63.90 (63.60 to 64.60): VN064909.D (-196) (-)

Ion 65.90 (65.60 to 66.60): VN064909.D (-196) (-)

2.68

Time-->





#7

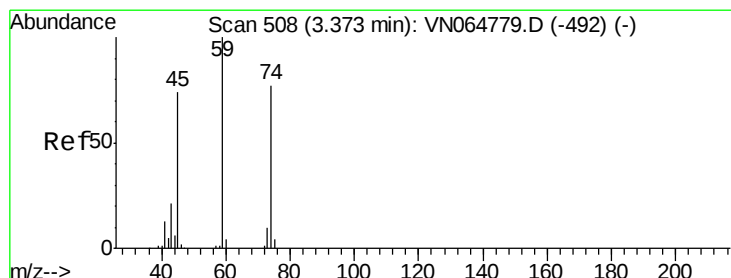
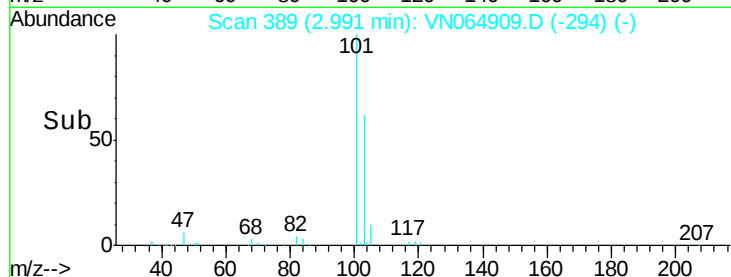
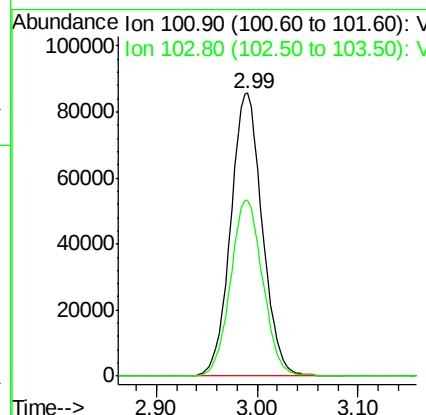
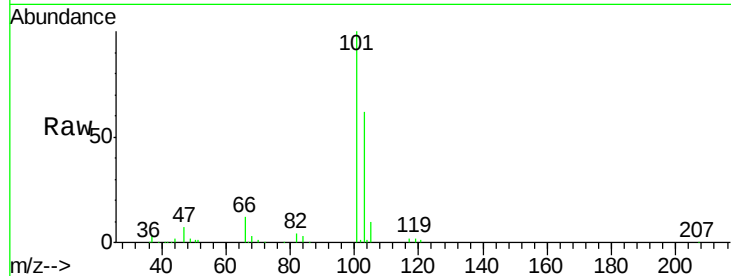
Trichlorofluoromethane
Concen: 47.333 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	50.5	75.7

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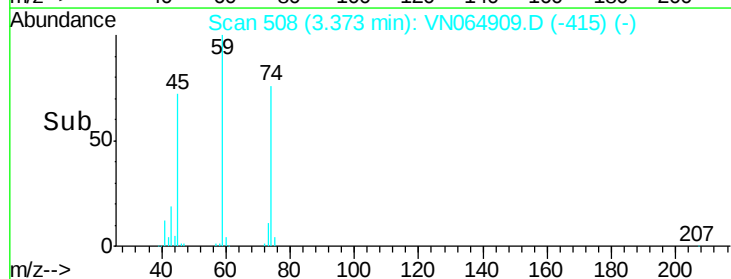
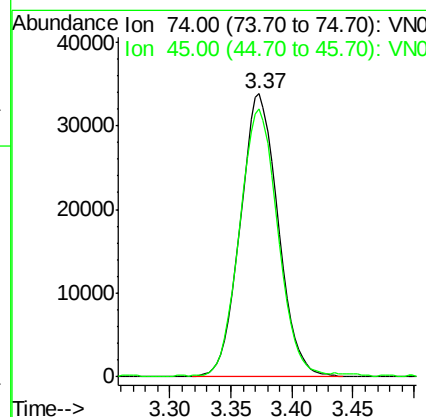
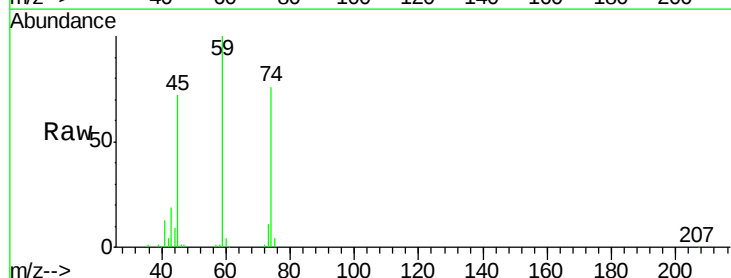
MMDadoda
12/7/2020 10:45:21 AM

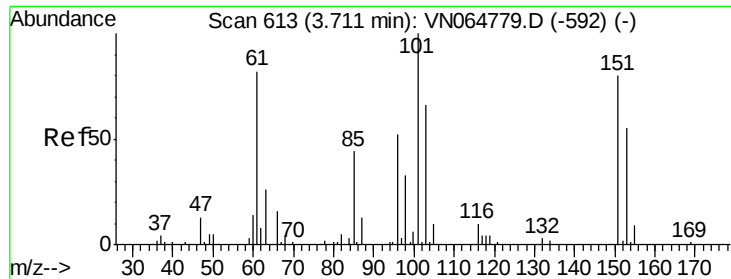


#8

Diethyl Ether
Concen: 46.619 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	48.9	146.8





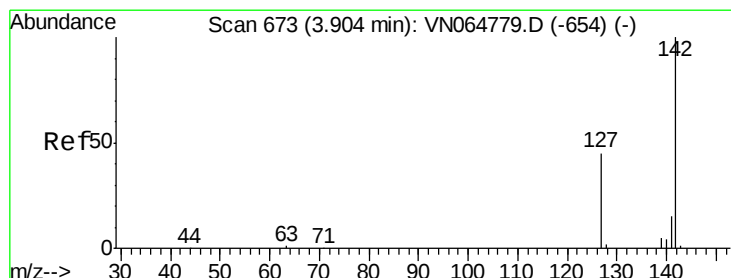
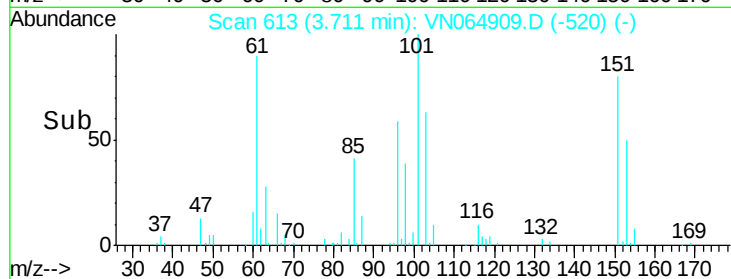
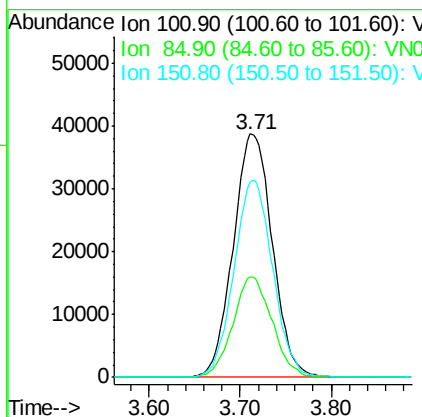
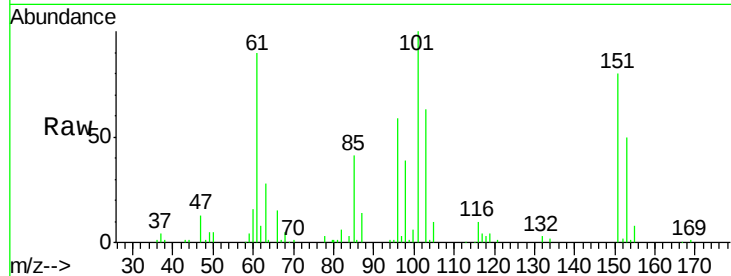
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.926 ug/l
 RT: 3.71 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN064909.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	41.2	34.4	51.6
151	80.1	64.0	96.0

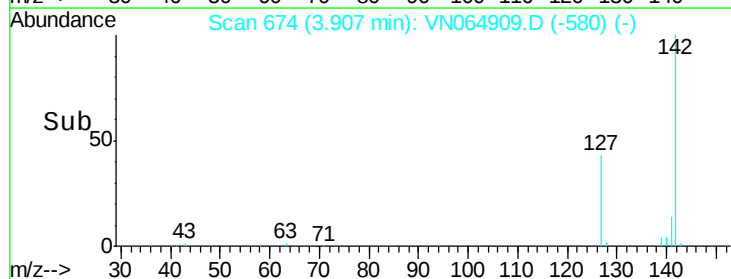
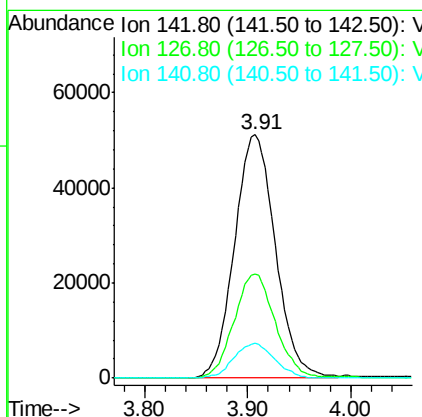
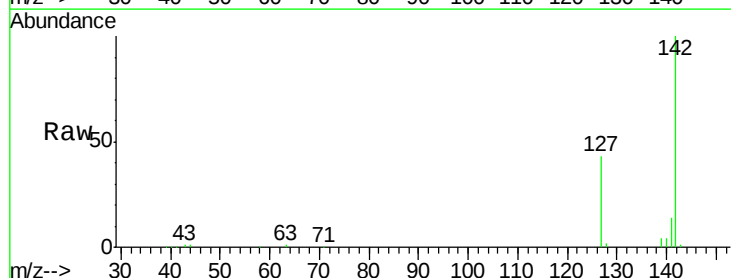
Manual Integrations
 APPROVED

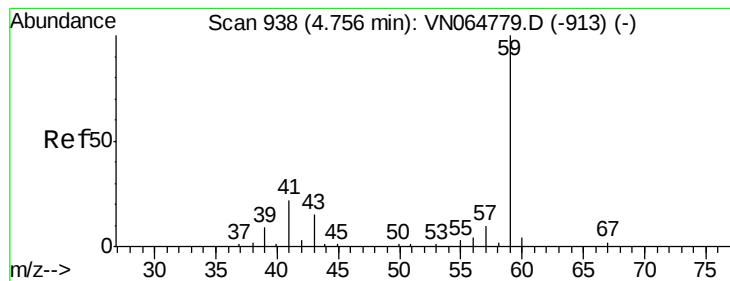
MMDadoda
 12/7/2020 10:45:21 AM



#10
 Methyl Iodide
 Concen: 46.086 ug/l
 RT: 3.91 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.1	35.0	52.6
141	14.3	11.8	17.6





#11

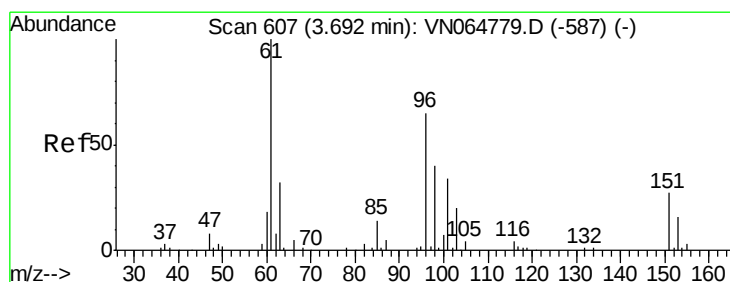
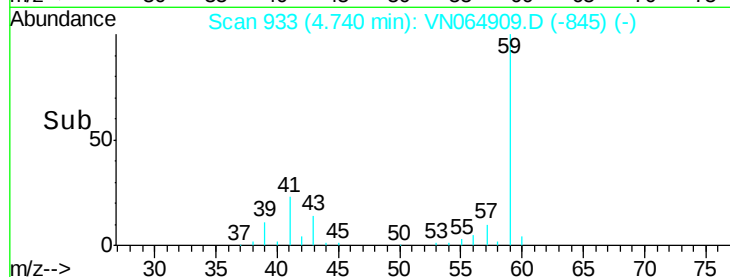
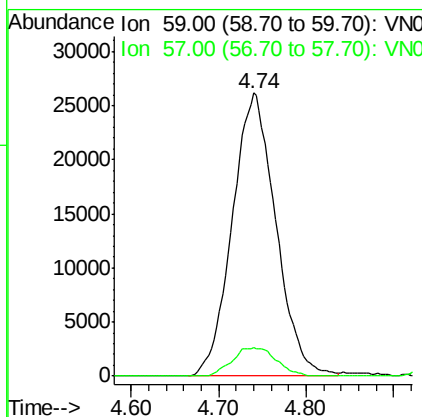
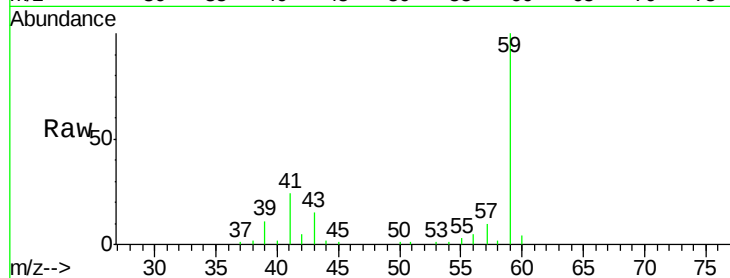
Tert butyl alcohol
Concen: 205.425 ug/l
RT: 4.74 min Scan# 933
Delta R.T. -0.02 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

Manual Integrations
APPROVED

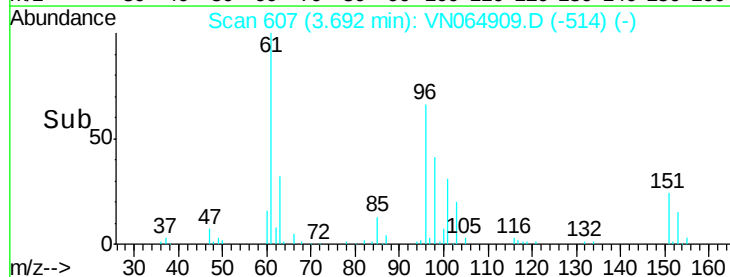
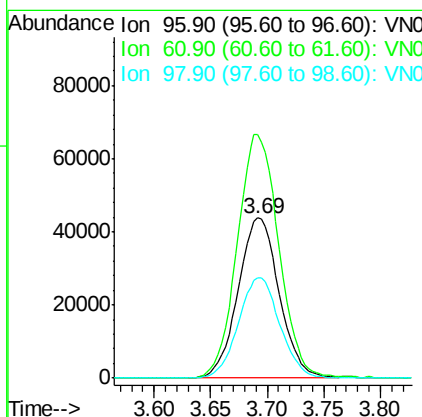
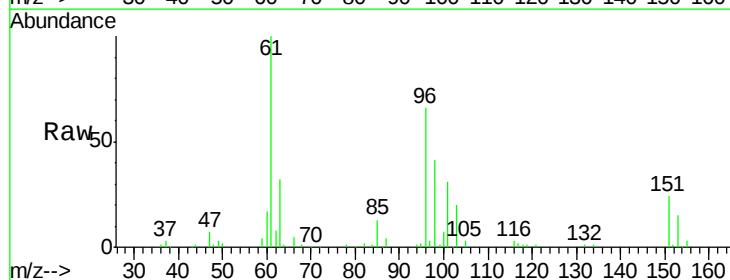
MMDadoda
12/7/2020 10:45:21 AM

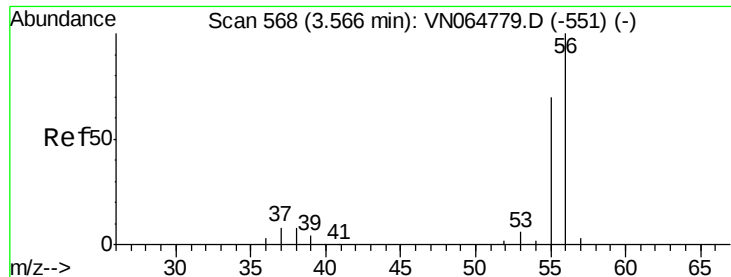


#12

1,1-Dichloroethene
Concen: 46.896 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	123.4	185.2
98	62.7	49.8	74.8





#13

Acrolein

Concen: 215.609 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 58013

Ion Ratio Lower Upper

56 100

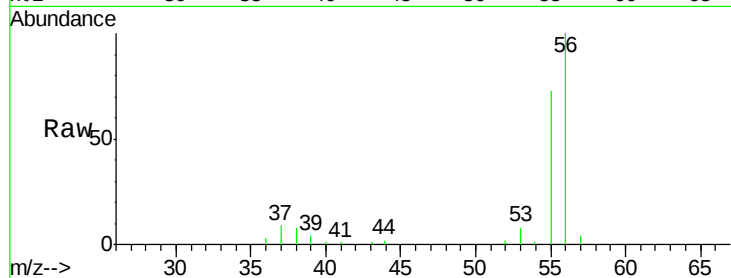
55 72.7 56.5 84.7

Manual Integrations

APPROVED

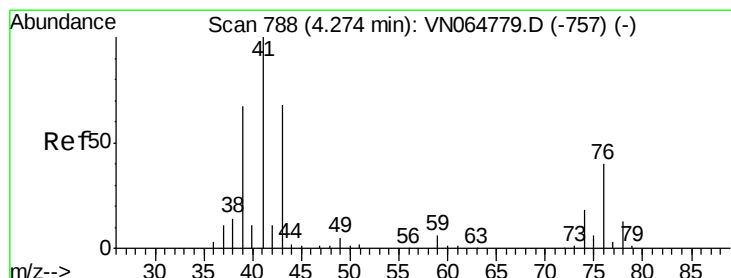
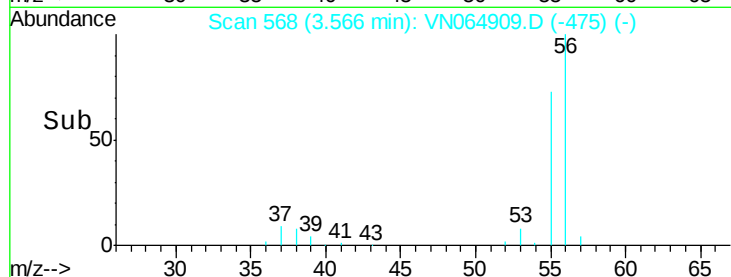
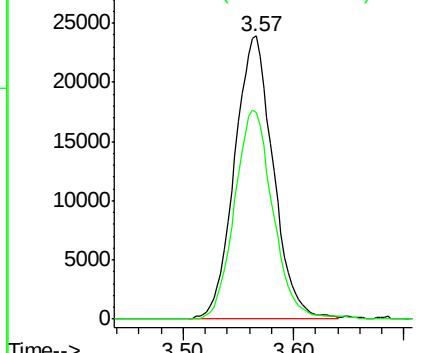
MMDadoda

12/7/2020 10:45:21 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.531 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

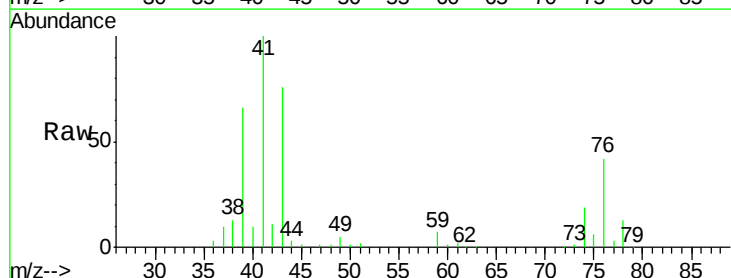
Tgt Ion: 41 Resp: 180812

Ion Ratio Lower Upper

41 100

39 62.7 50.9 76.3

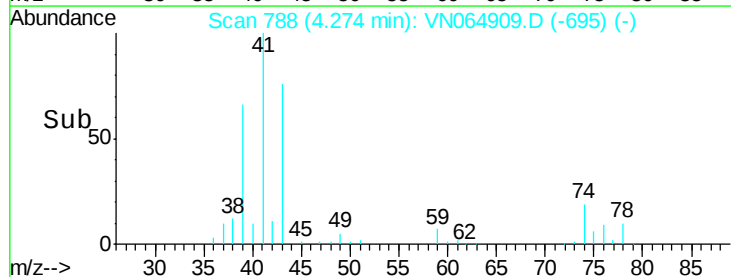
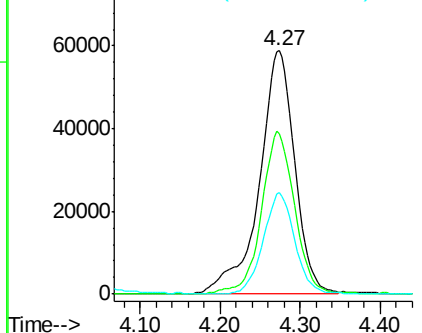
76 36.9 29.0 43.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





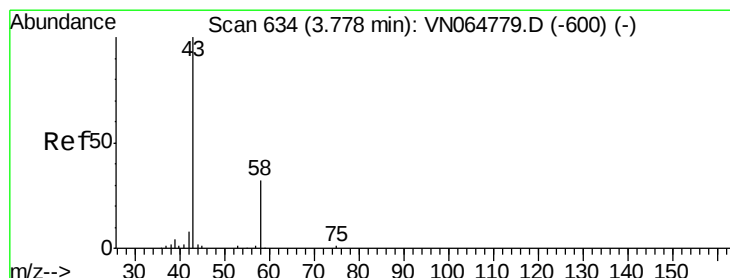
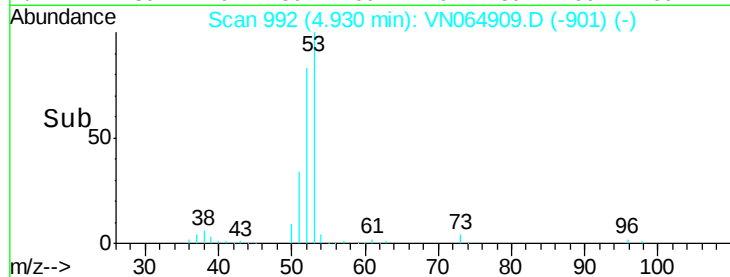
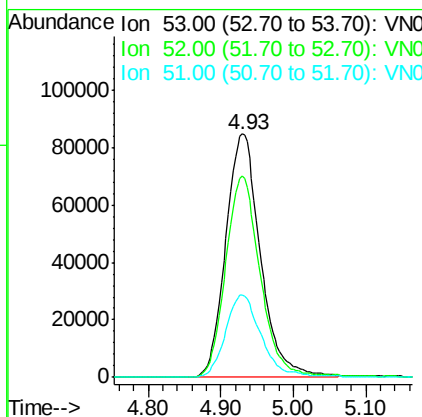
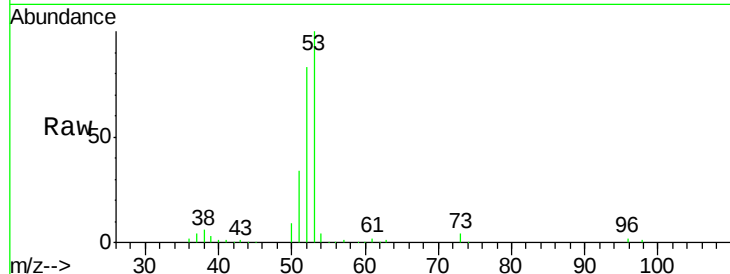
#15
 Acrylonitrile
 Concen: 232.451 ug/l
 RT: 4.93 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.5	98.3
51	34.8	28.6	43.0

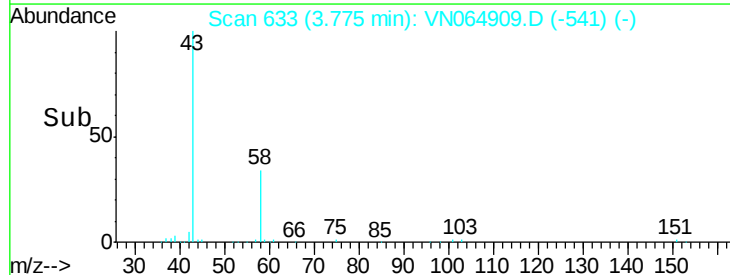
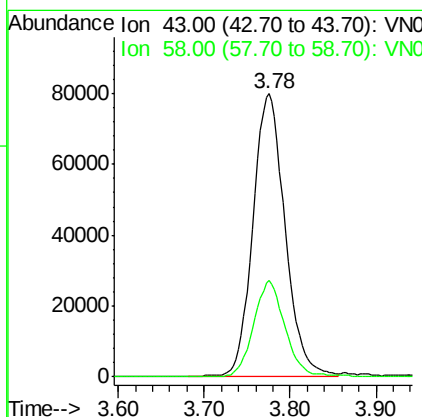
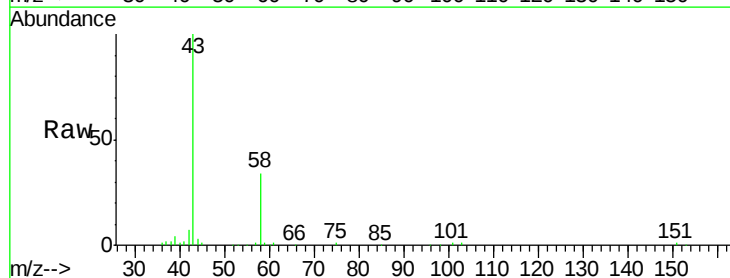
Manual Integrations
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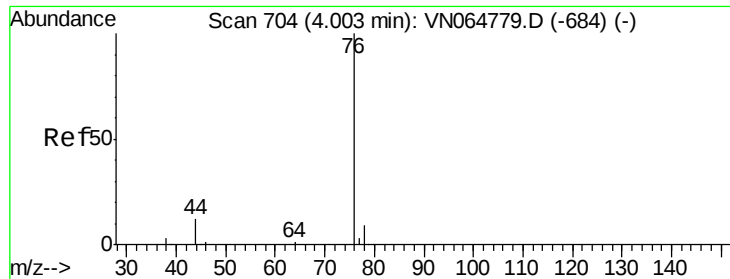
MMDadoda
 12/7/2020 10:45:21 AM



#16
 Acetone
 Concen: 224.610 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.7	38.5





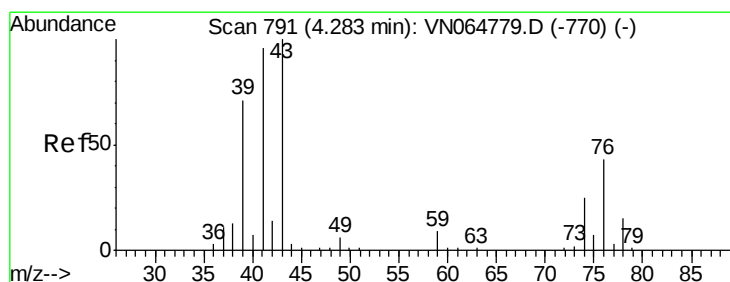
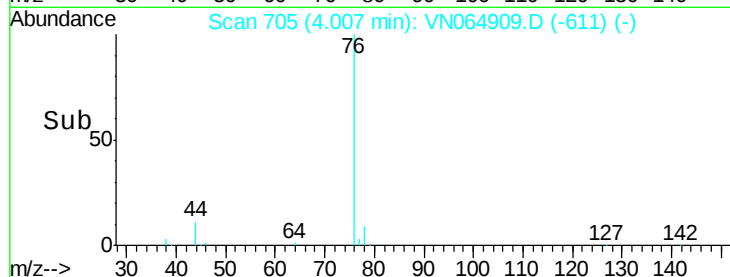
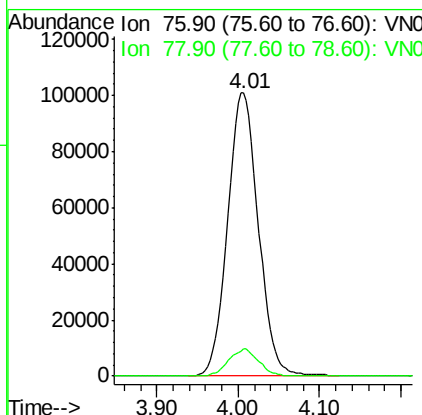
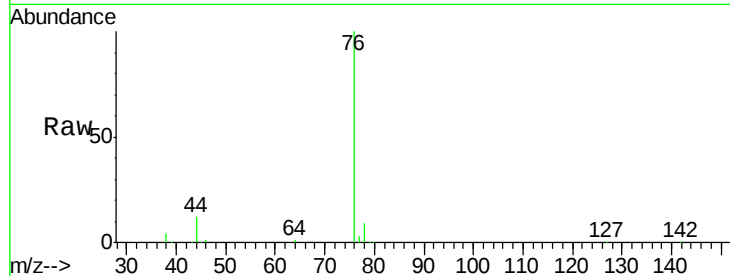
#17
Carbon Disulfide
Concen: 43.826 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 266594
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

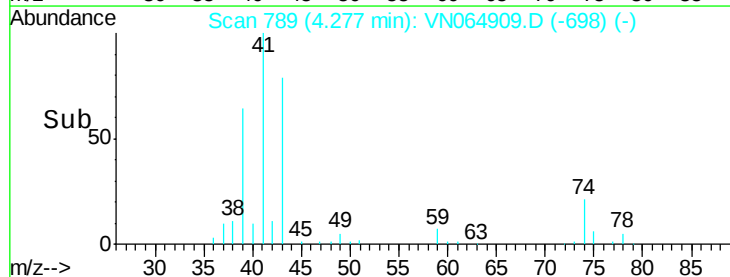
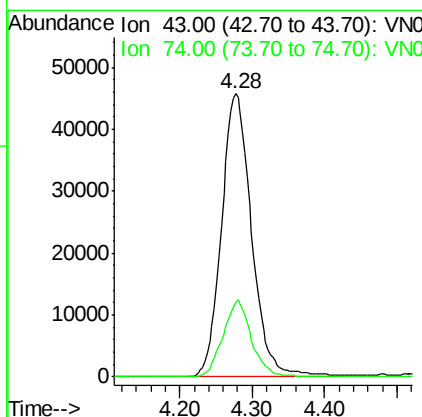
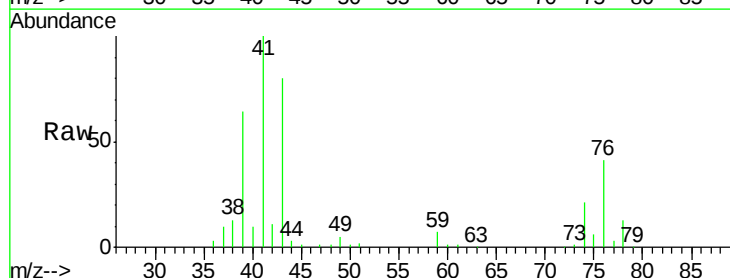
Manual Integrations
APPROVED

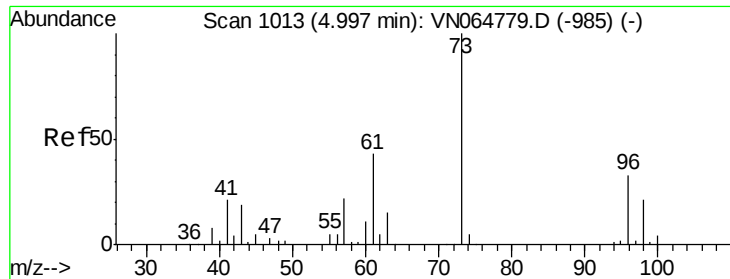
MMDadoda
12/7/2020 10:45:21 AM



#18
Methyl Acetate
Concen: 47.299 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 43 Resp: 132042
Ion Ratio Lower Upper
43 100
74 25.5 20.2 30.2





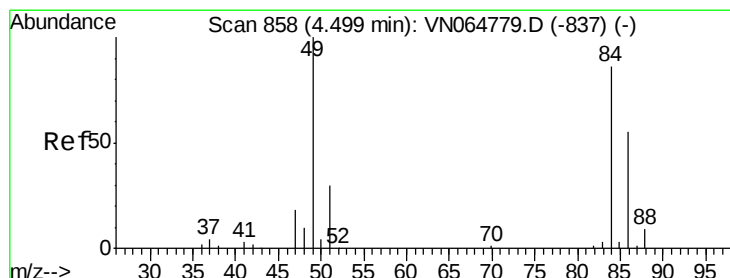
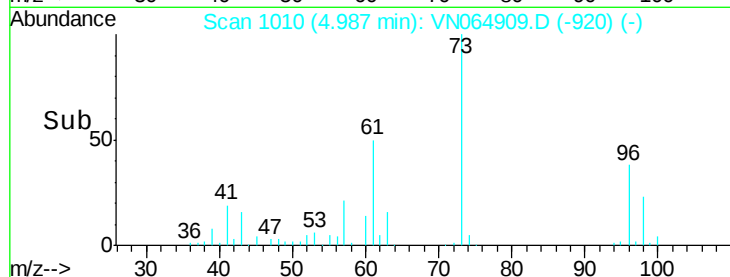
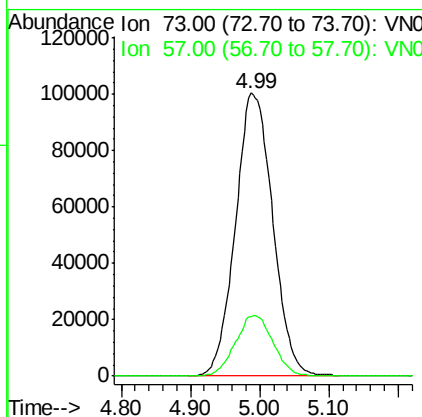
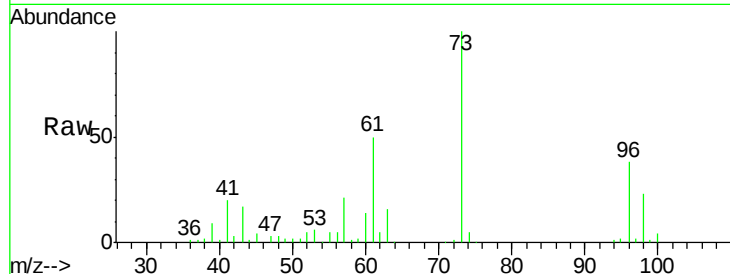
#19
Methyl tert-butyl Ether
Concen: 49.737 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 375826
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0

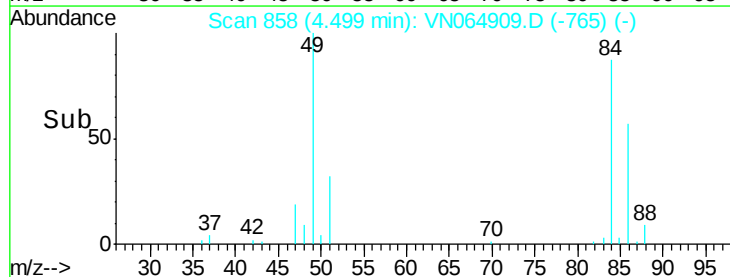
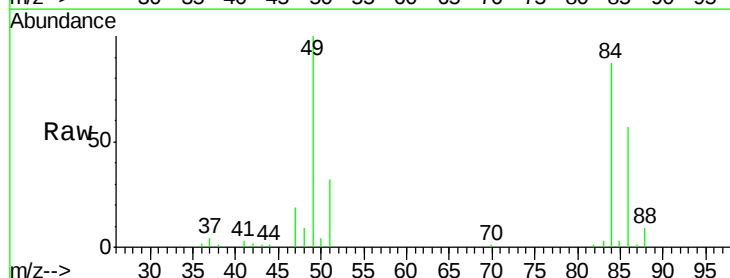
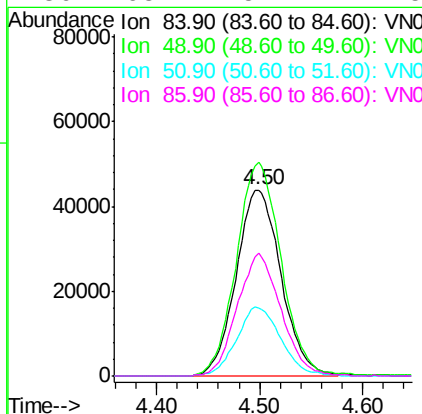
Manual Integrations
APPROVED

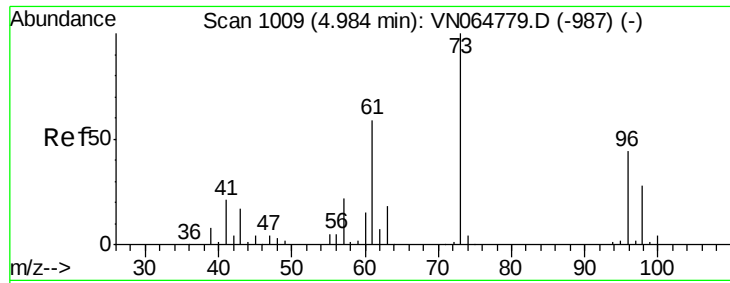
MMDadoda
12/7/2020 10:45:21 AM



#20
Methylene Chloride
Concen: 45.636 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 84 Resp: 132781
Ion Ratio Lower Upper
84 100
49 114.7 93.4 140.0
51 36.8 28.2 42.4
86 65.7 51.7 77.5





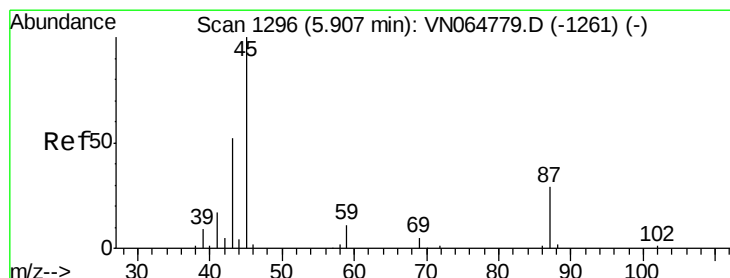
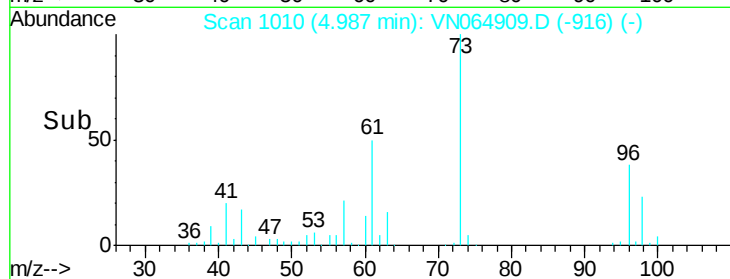
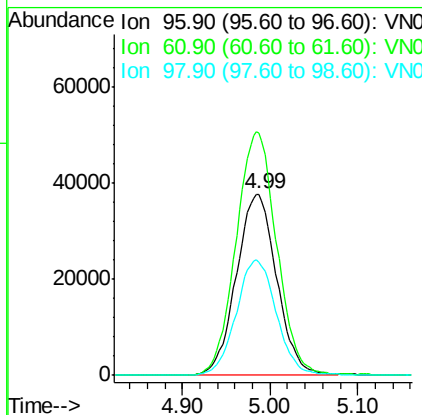
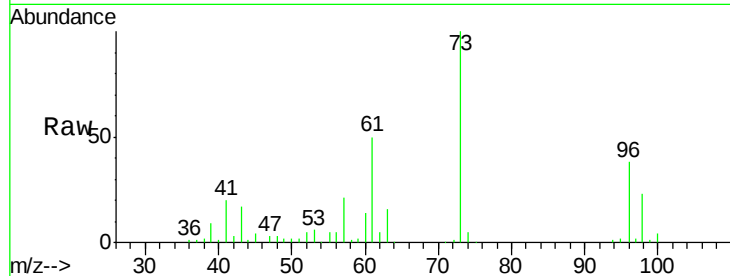
#21
trans-1,2-Dichloroethene
Concen: 46.031 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.0	108.4	162.6
98	62.6	51.3	76.9

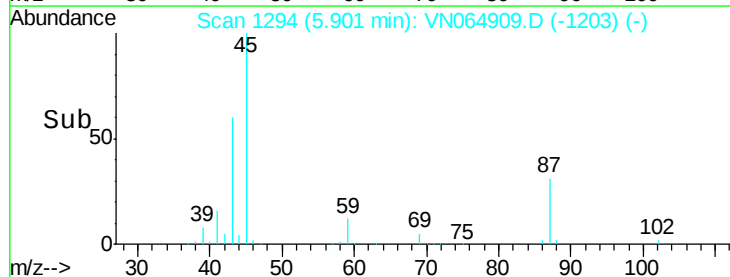
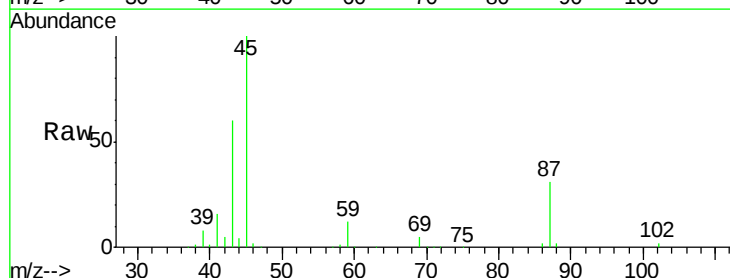
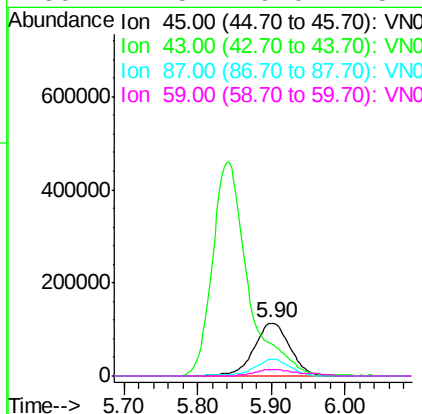
Manual Integrations
APPROVED

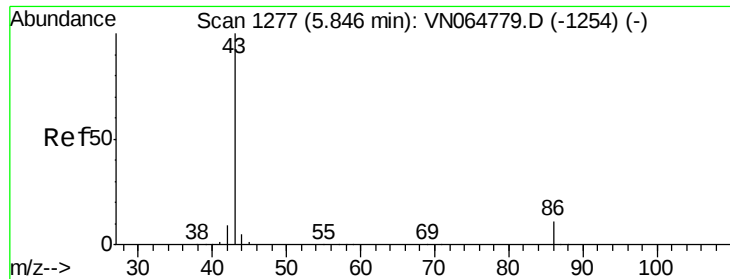
MMDadoda
12/7/2020 10:45:21 AM



#22
Diisopropyl ether
Concen: 49.540 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	46.2	69.2
87	31.2	24.1	36.1
59	11.5	9.0	13.4





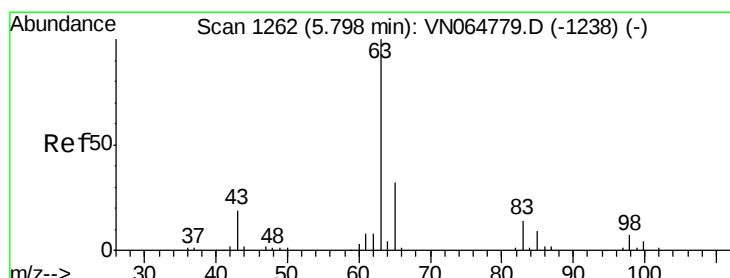
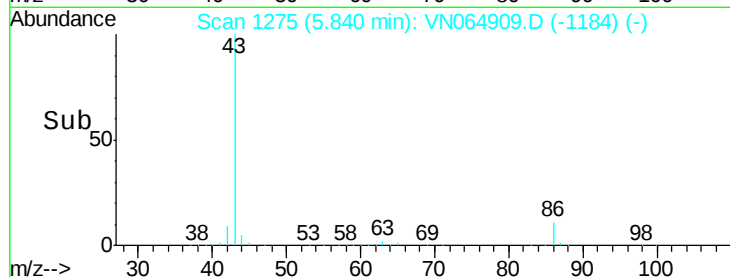
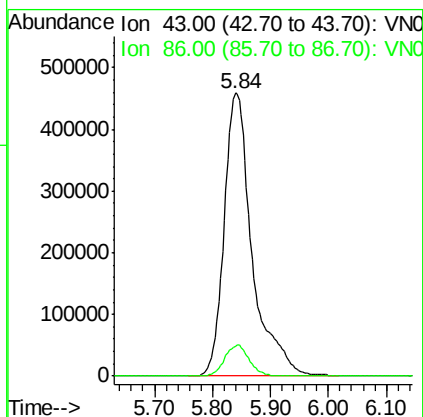
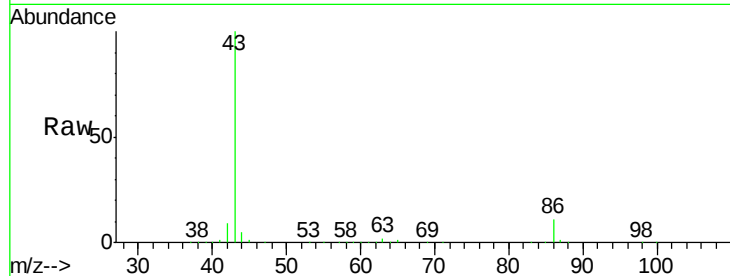
#23
 Vinyl Acetate
 Concen: 248.294 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1544320
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.9 13.3

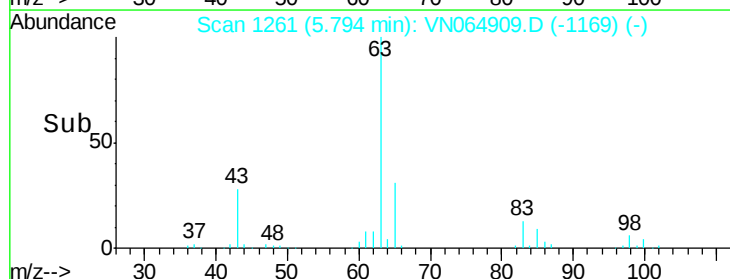
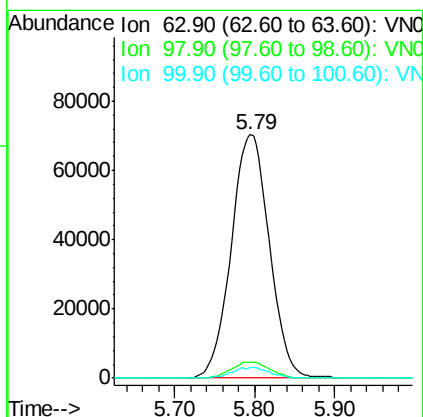
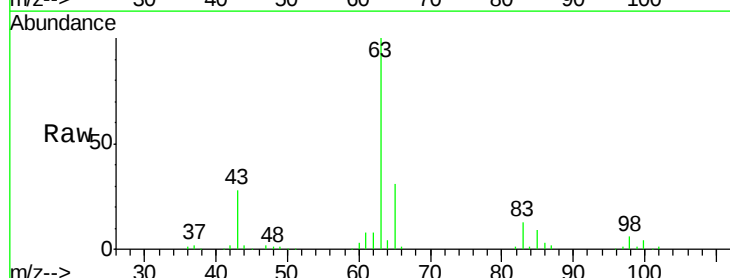
Manual Integrations
 APPROVED

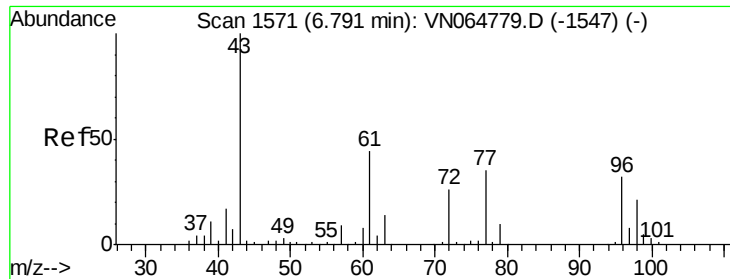
MMDadoda
 12/7/2020 10:45:21 AM



#24
 1,1-Dichloroethane
 Concen: 48.905 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion: 63 Resp: 227326
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.5
 100 4.3 2.3 6.8





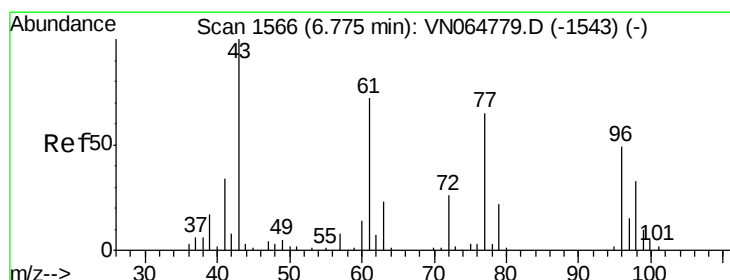
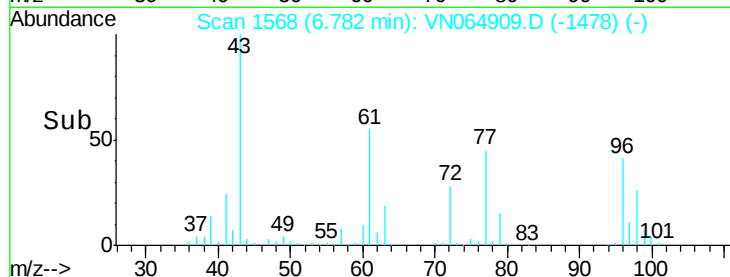
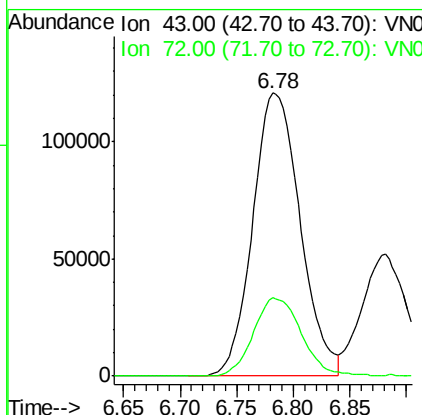
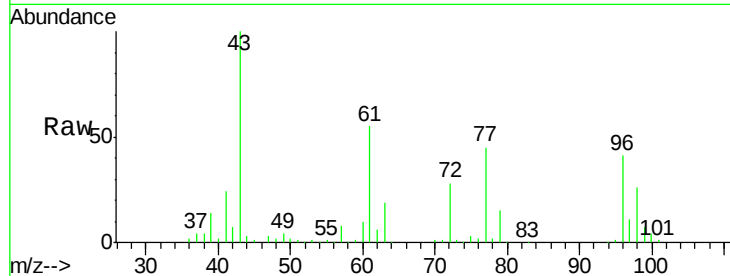
#25
2-Butanone
Concen: 233.868 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 352012
Ion Ratio Lower Upper
43 100
72 27.7 21.0 31.6

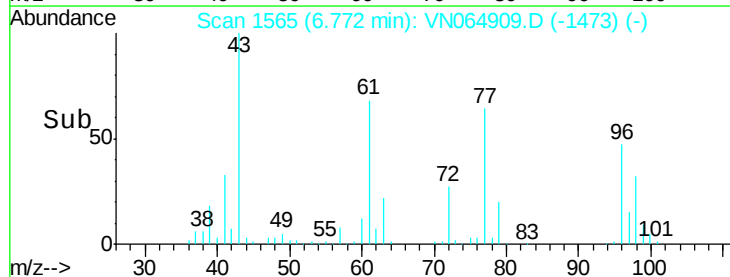
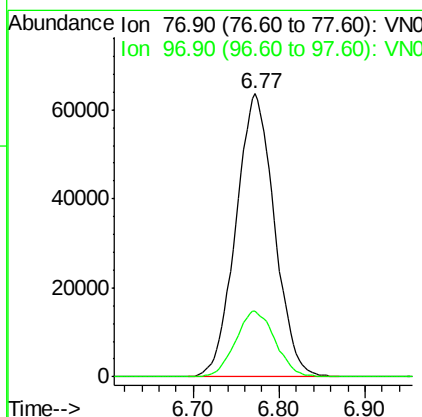
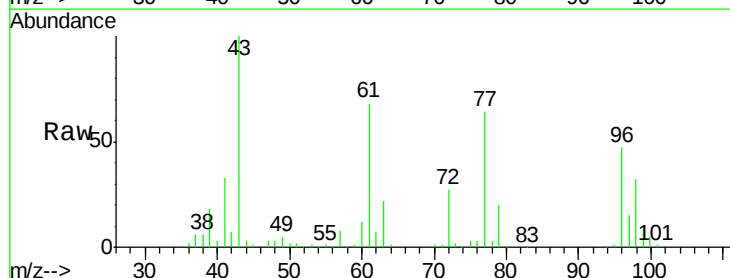
Manual Integrations
APPROVED

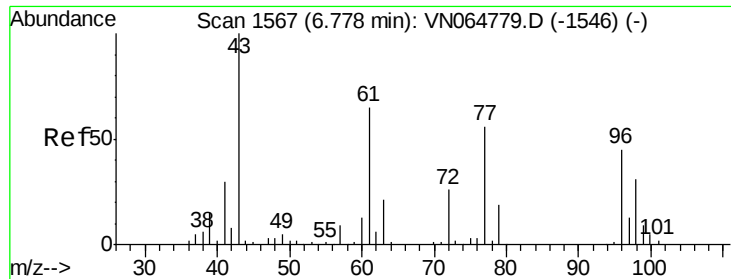
MMDadoda
12/7/2020 10:45:21 AM



#26
2,2-Dichloropropane
Concen: 49.105 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 77 Resp: 197965
Ion Ratio Lower Upper
77 100
97 23.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 49.045 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

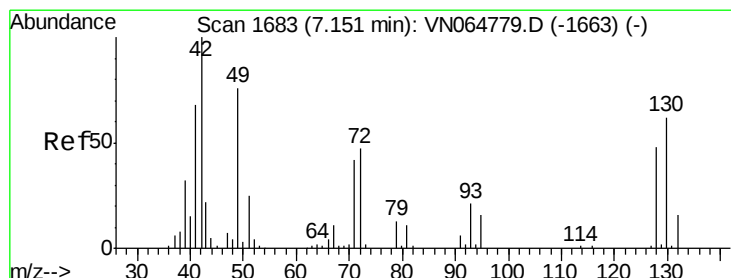
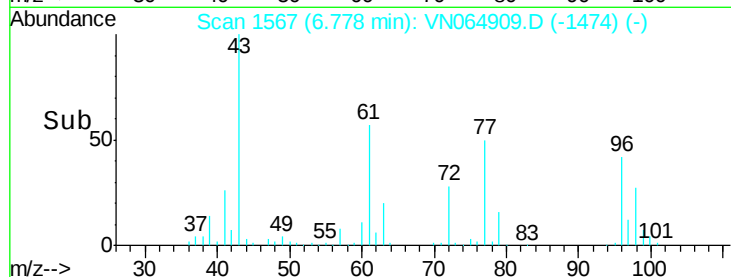
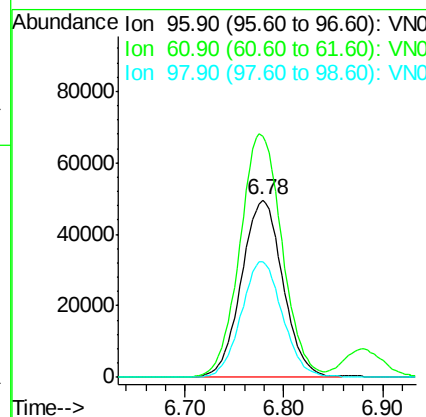
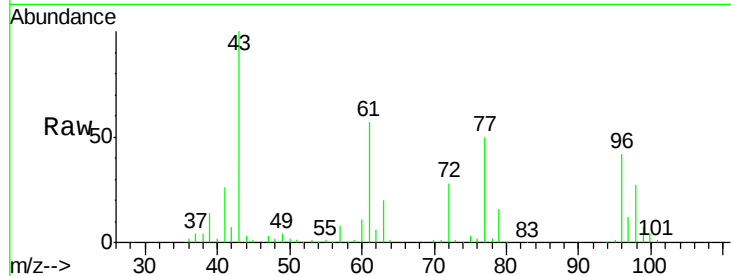
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	144392
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	285.8
98	65.2	0.0	130.6

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#28

Bromochloromethane

Concen: 42.603 ug/l

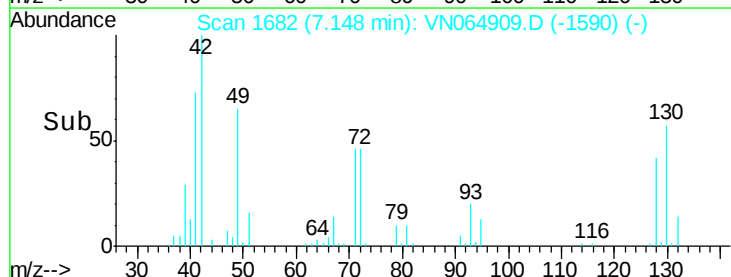
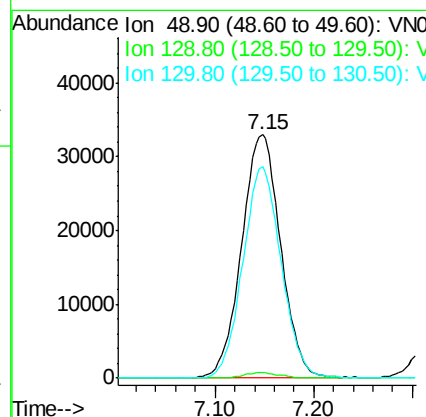
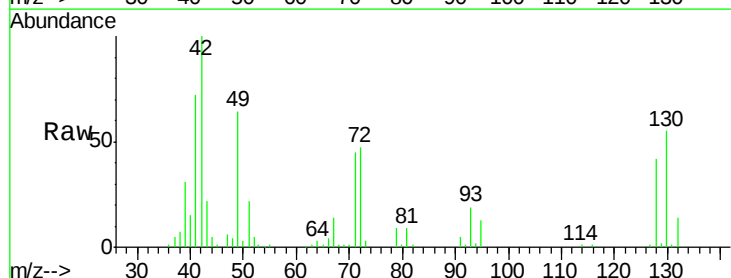
RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Tgt Ion:	49	Resp:	90594
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	85.1	66.2	99.2





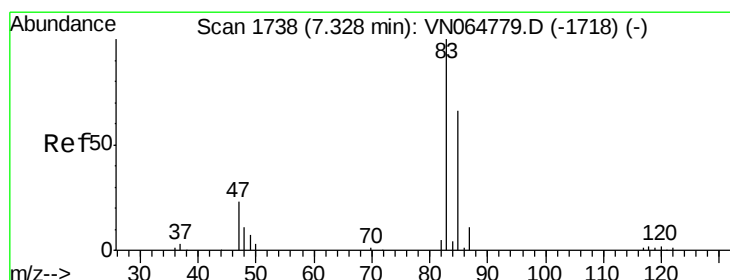
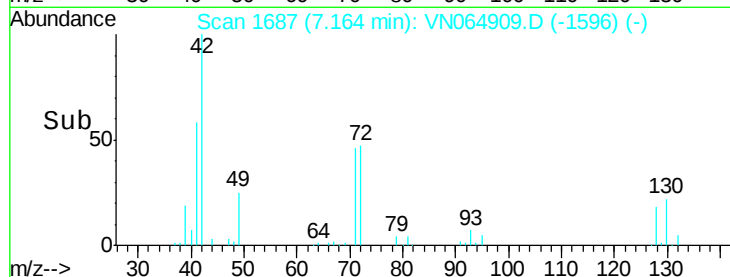
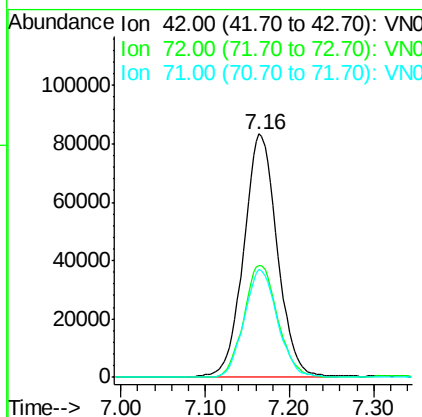
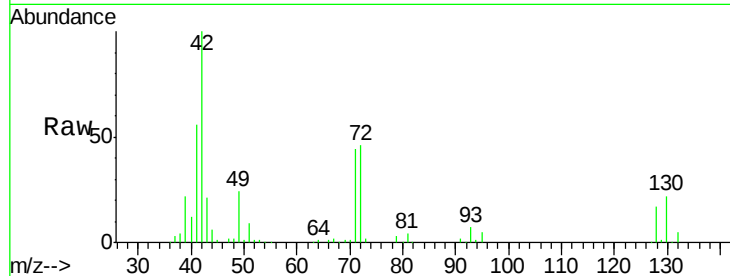
#29
Tetrahydrofuran
Concen: 222.446 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.6	54.8
71	43.8	33.6	50.4

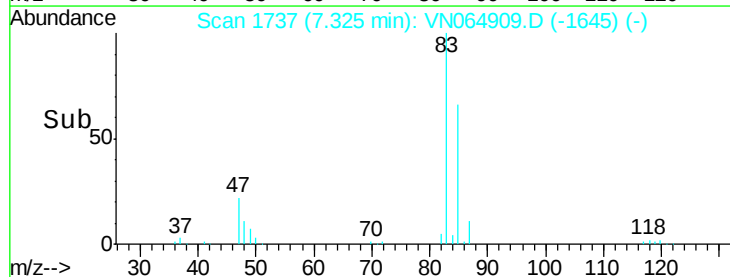
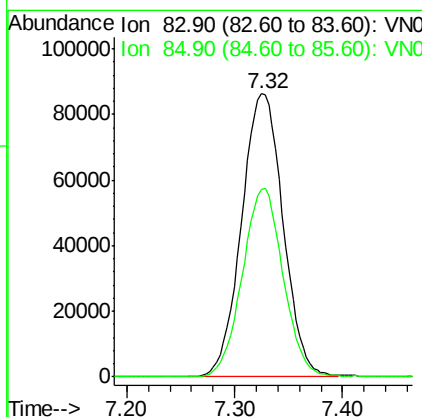
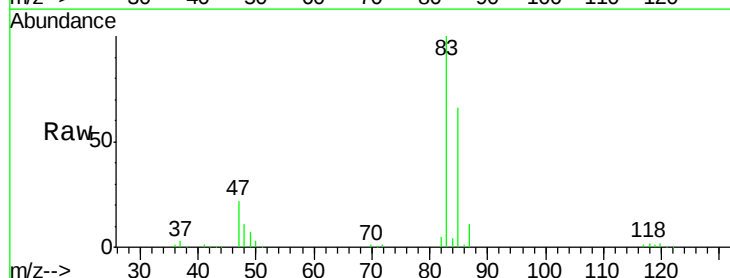
Manual Integrations
APPROVED

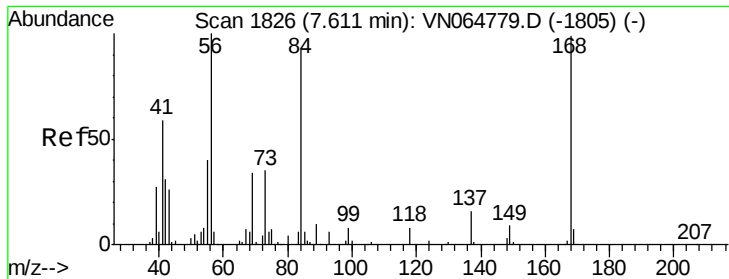
MMDadoda
12/7/2020 10:45:21 AM



#30
Chloroform
Concen: 48.256 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.6	78.8





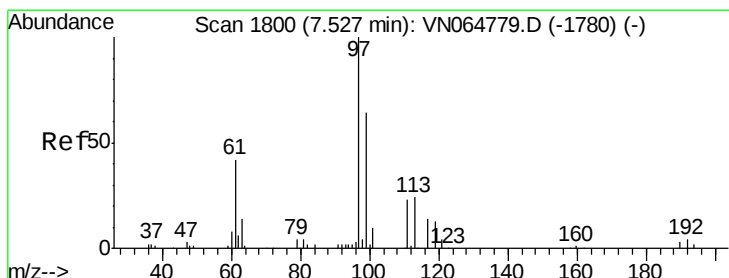
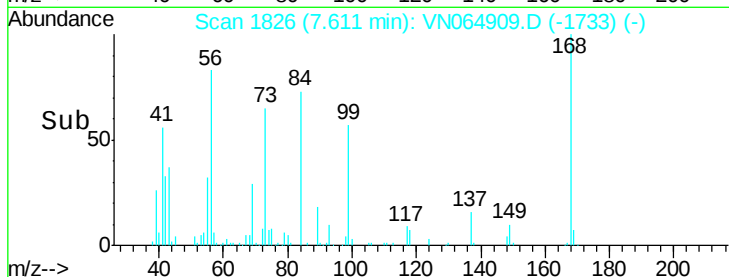
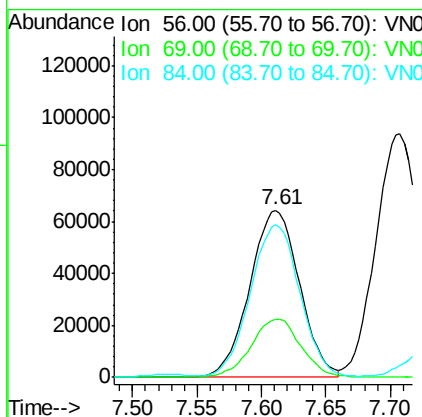
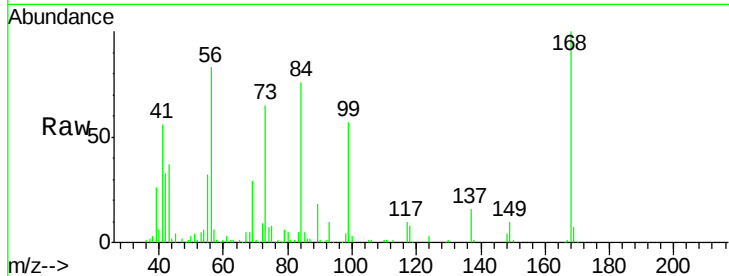
#31
Cvclohexane
Concen: 44.067 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	27.5	41.3
84	90.0	73.9	110.9

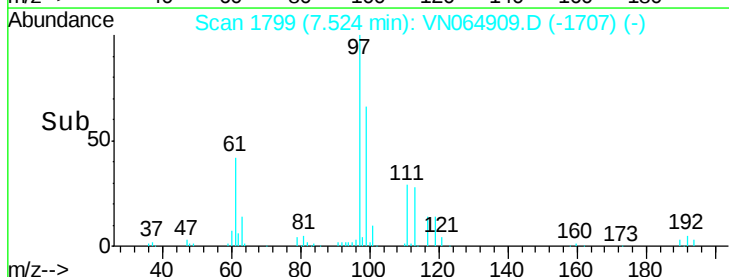
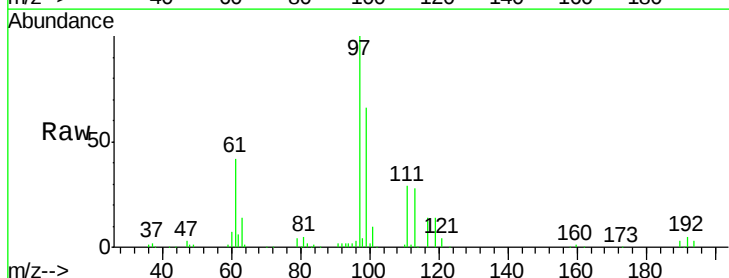
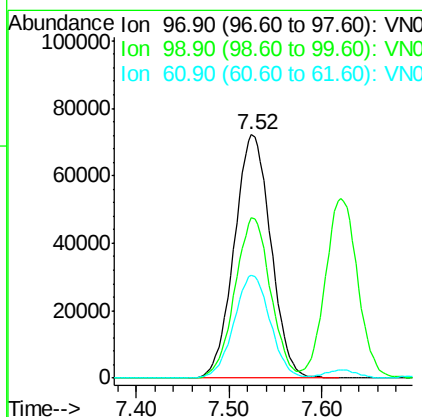
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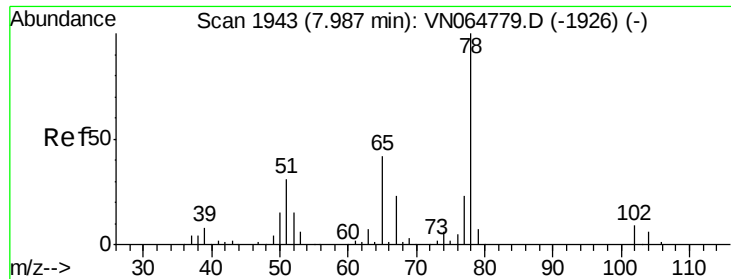
MMDadoda
12/7/2020 10:45:21 AM



#32
1,1,1-Trichloroethane
Concen: 47.965 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.7	77.5
61	41.7	33.9	50.9





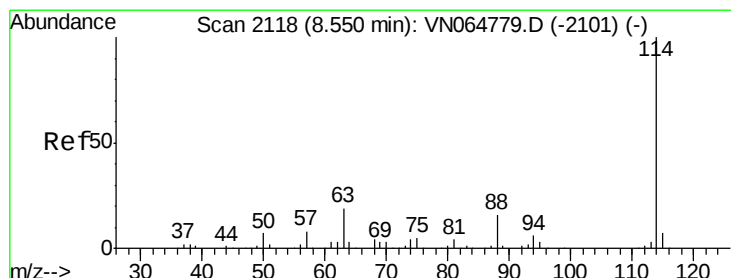
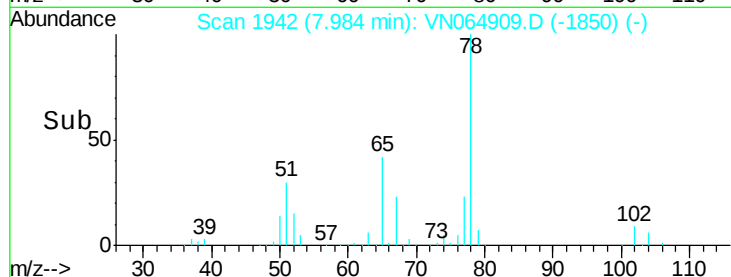
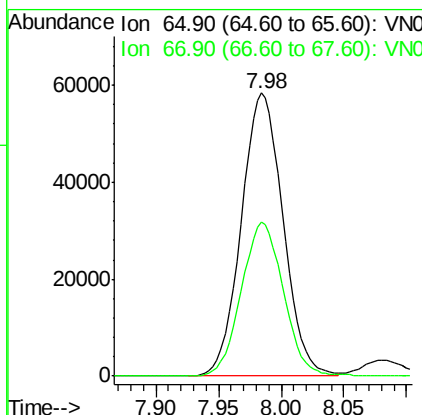
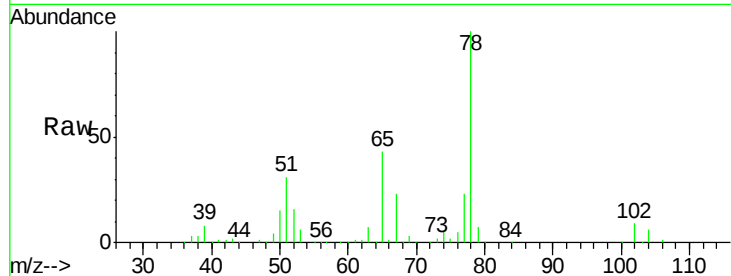
#33
 1,2-Dichloroethane-d4
 Concen: 47.899 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 135296
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 108.2

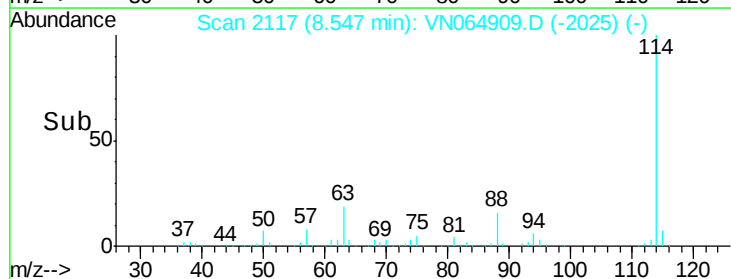
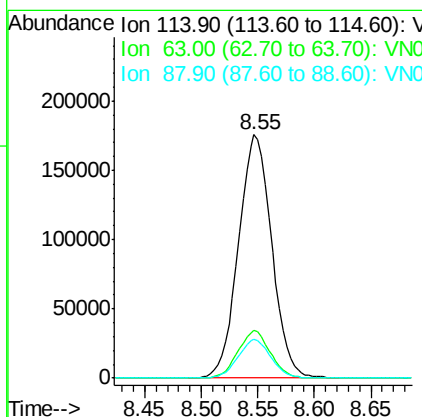
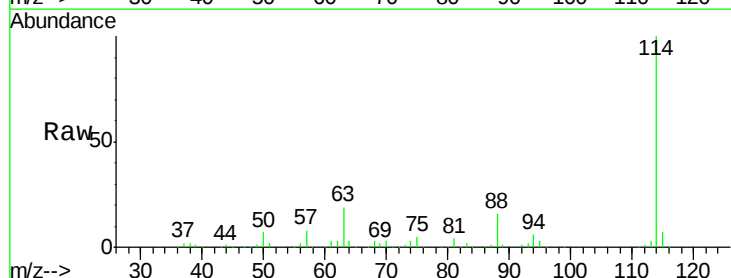
Manual Integrations
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 12/7/2020 10:45:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion: 114 Resp: 360665
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.8 0.0 32.6





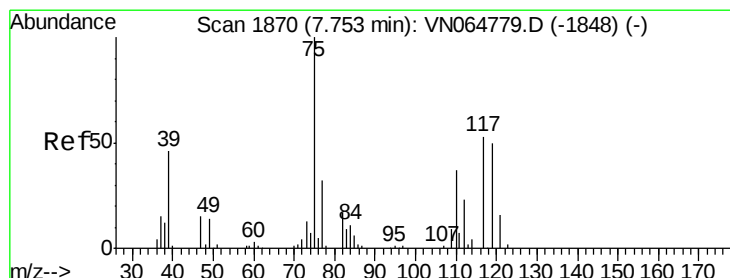
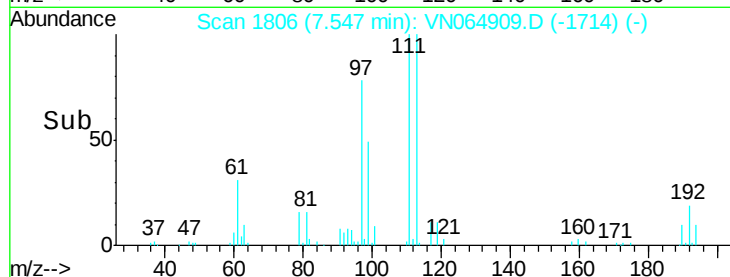
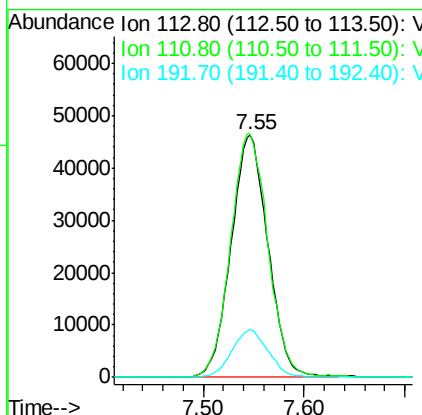
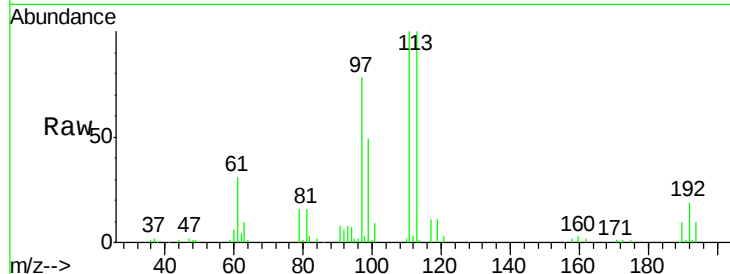
#35
 Dibromofluoromethane
 Concen: 54.423 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117451		
111	101.6	81.6	122.4	
192	19.2	16.2	24.2	

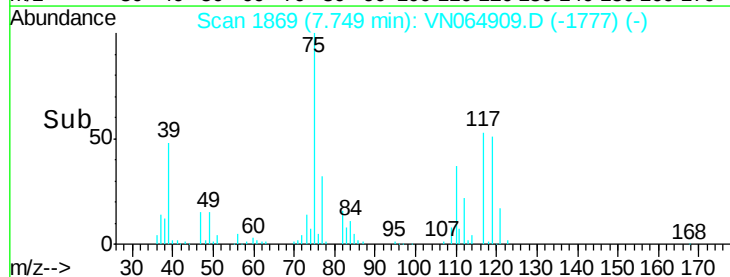
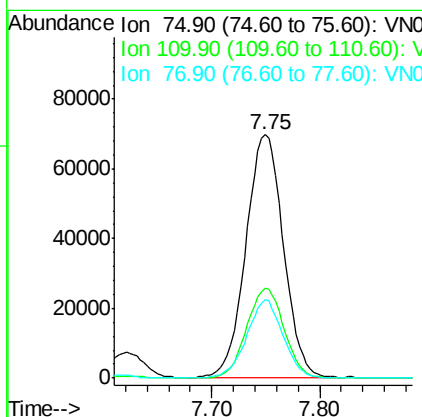
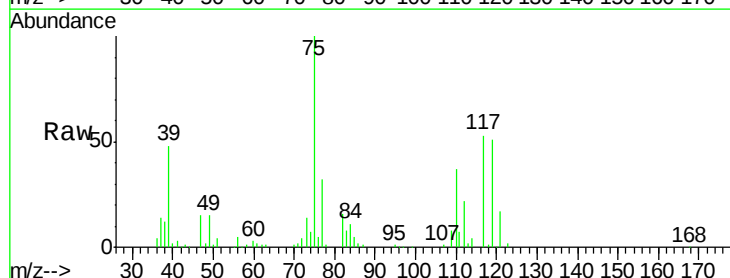
Manual Integrations
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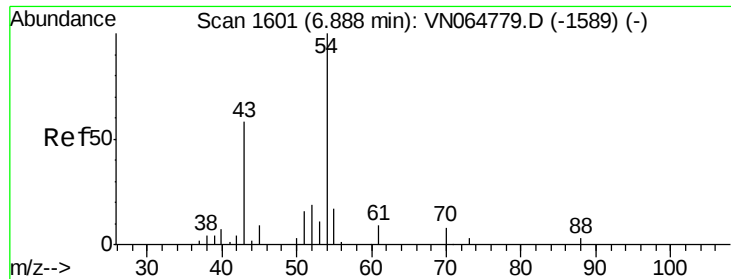
MMDadoda
 12/7/2020 10:45:21 AM



#36
 1,1-Dichloropropene
 Concen: 50.324 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	168233		
110	37.0	17.8	53.3	
77	31.3	25.0	37.4	





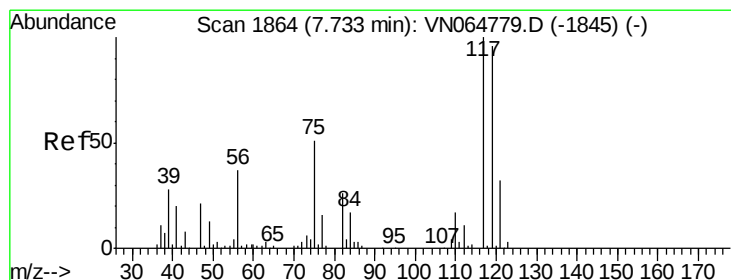
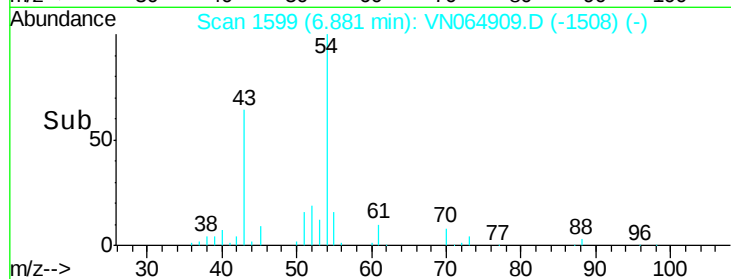
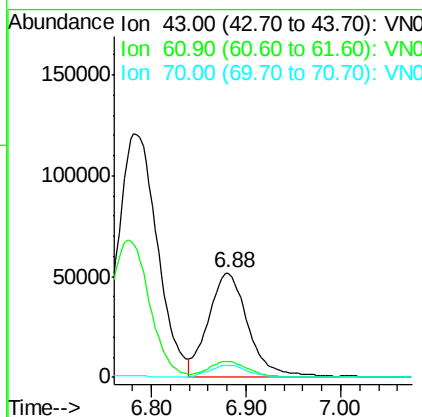
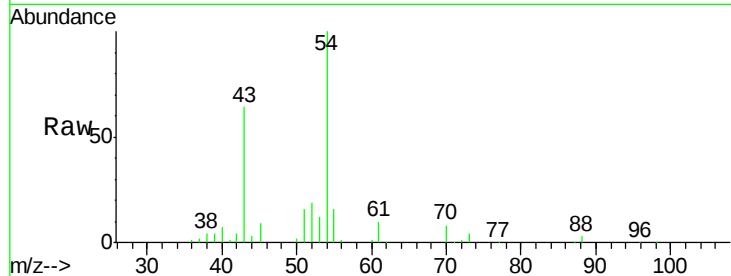
#37
Ethyl Acetate
Concen: 46.268 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.8	19.2
70	11.6	8.8	13.2

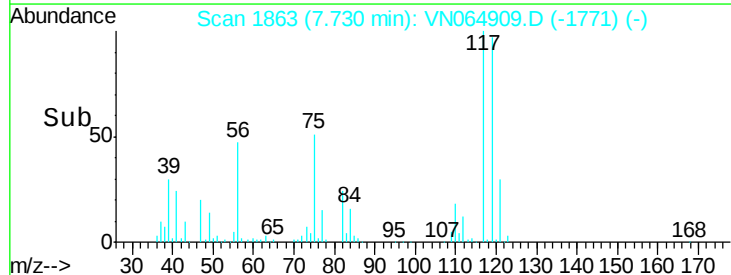
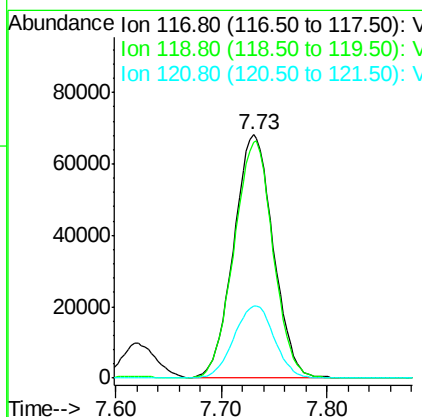
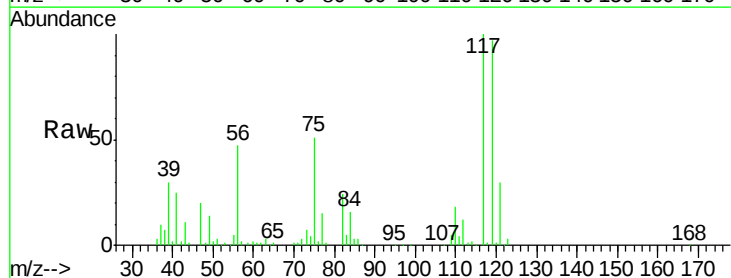
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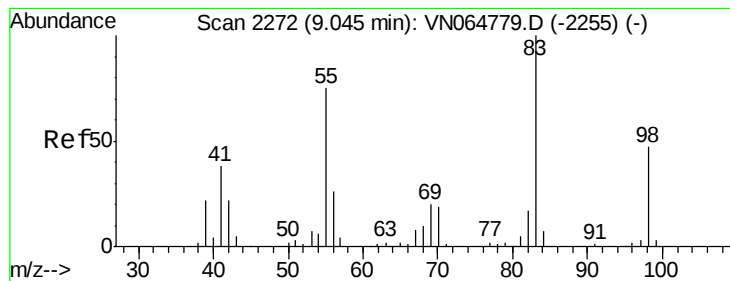
MMDadoda
12/7/2020 10:45:21 AM



#38
Carbon Tetrachloride
Concen: 51.037 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.7	115.1
121	29.6	25.4	38.2





#39

Methvlcvclohexane

Concen: 49.217 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 177120

Ion Ratio Lower Upper

83 100

55 70.2 60.2 90.2

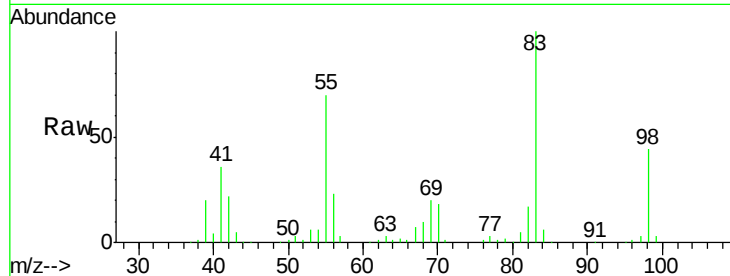
98 44.1 37.4 56.2

Manual Integrations

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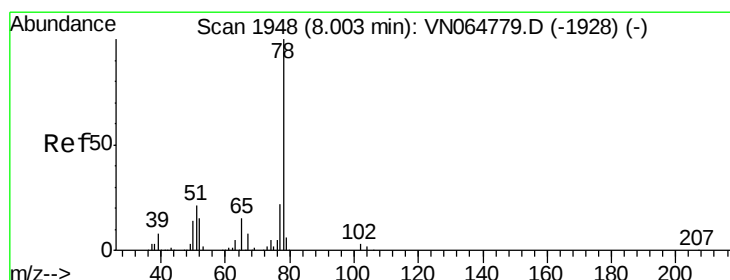
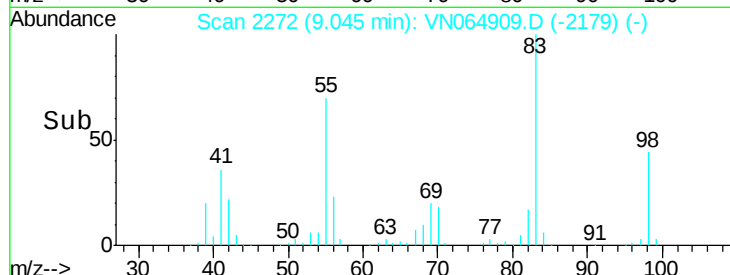
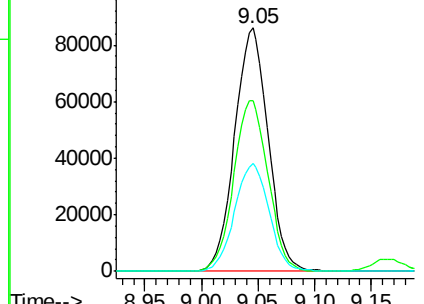
12/7/2020 10:45:21 AM



Abundance Ion 83.00 (82.70 to 83.70): VN064909.D (-2179) (-)

Ion 55.00 (54.70 to 55.70): VN064909.D (-2179) (-)

Ion 98.00 (97.70 to 98.70): VN064909.D (-2179) (-)



#40

Benzene

Concen: 50.798 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064909.D

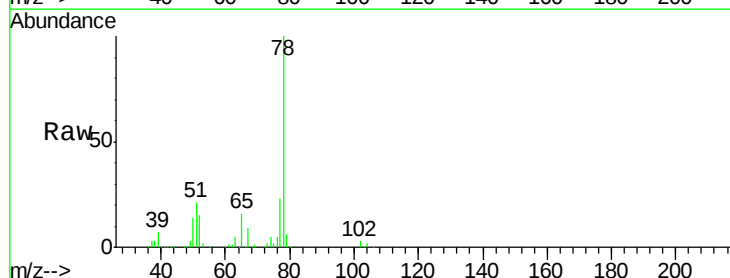
Acq: 4 Dec 2020 10:51

Tgt Ion: 78 Resp: 520381

Ion Ratio Lower Upper

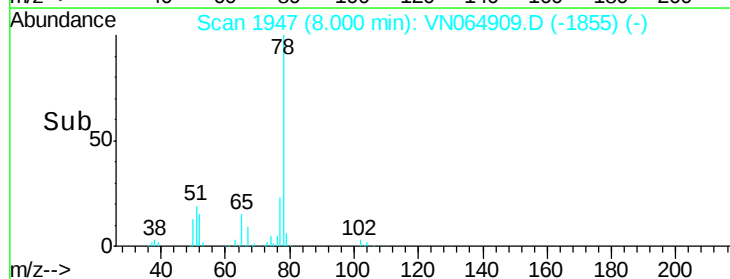
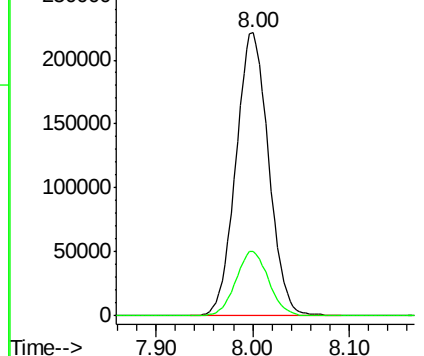
78 100

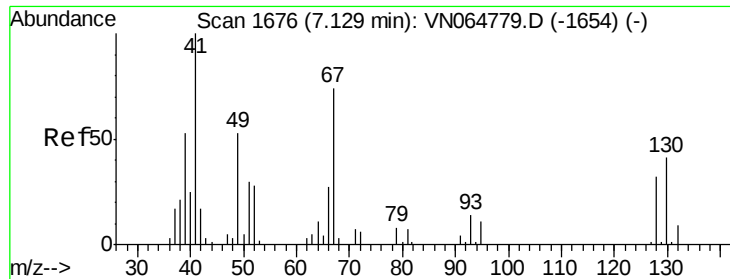
77 22.9 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VN064909.D (-1855) (-)

Ion 77.00 (76.70 to 77.70): VN064909.D (-1855) (-)





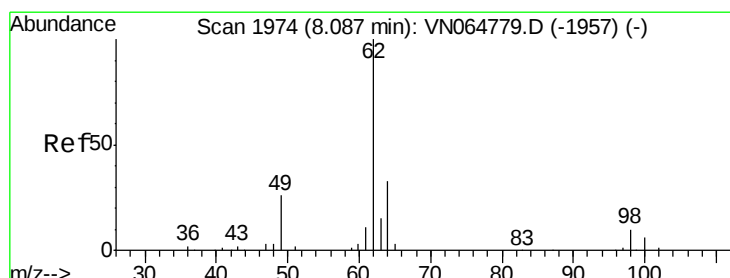
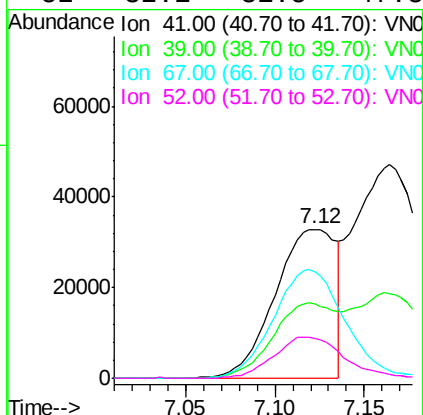
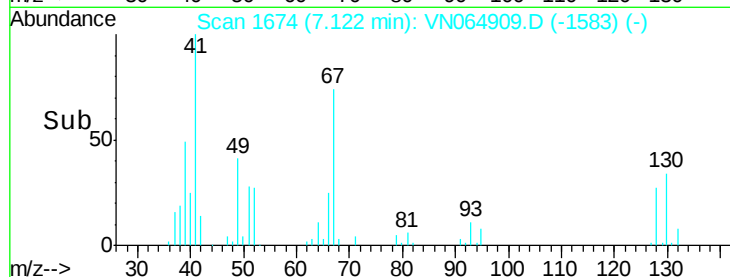
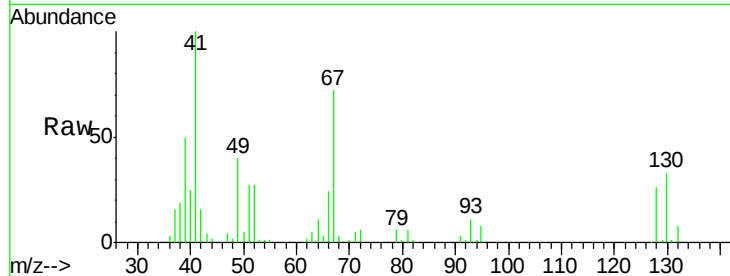
#41
Methacrylonitrile
Concen: 52.412 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	77878
Ion	Ratio	Lower	Upper
41	100		
39	51.2	51.0	76.6
67	86.2	79.8	119.8
52	32.1	31.5	47.3

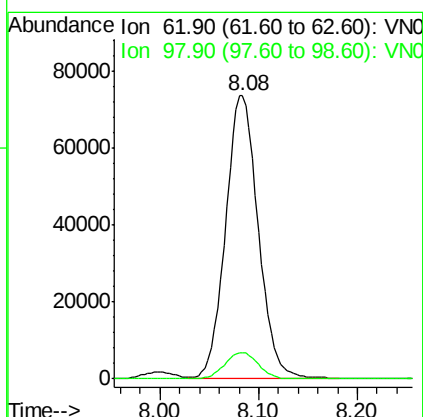
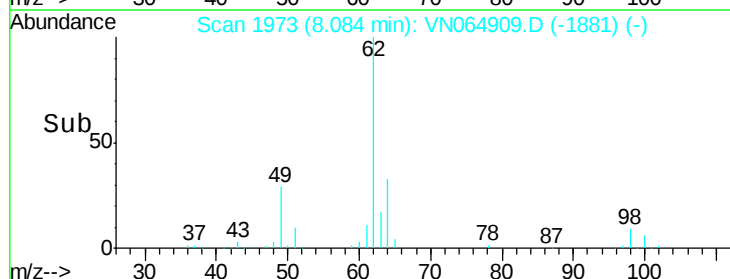
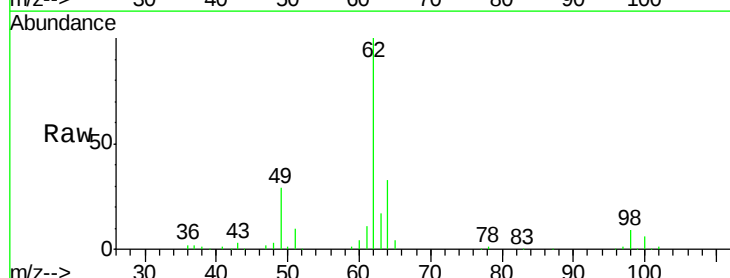
Manual Integrations
APPROVED

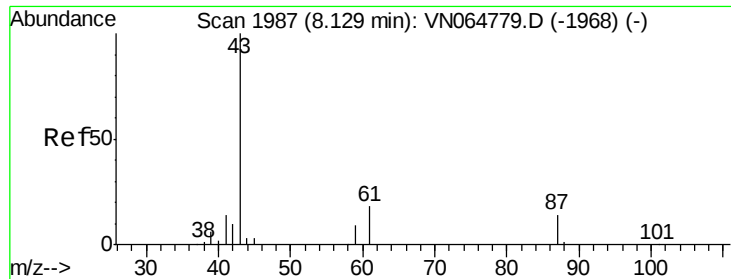
MMDadoda
12/7/2020 10:45:21 AM



#42
1,2-Dichloroethane
Concen: 49.412 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	62	Resp	170757
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.6





#43

Isopropyl Acetate

Concen: 48.593 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

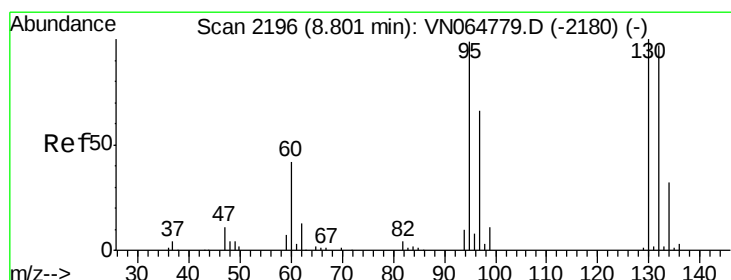
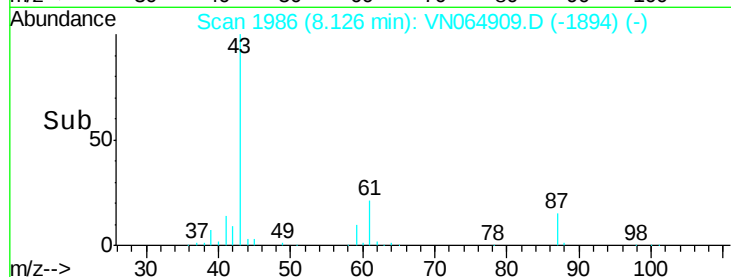
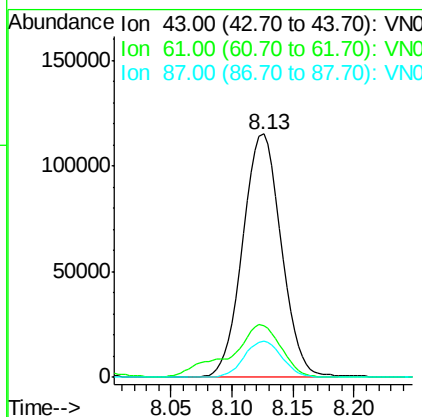
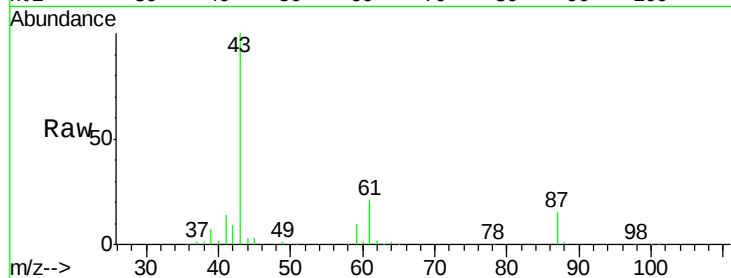
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	251794
Ion	Ratio	Lower	Upper
43	100		
61	29.0	17.2	25.8#
87	14.6	11.4	17.0

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#44

Trichloroethene

Concen: 50.187 ug/l

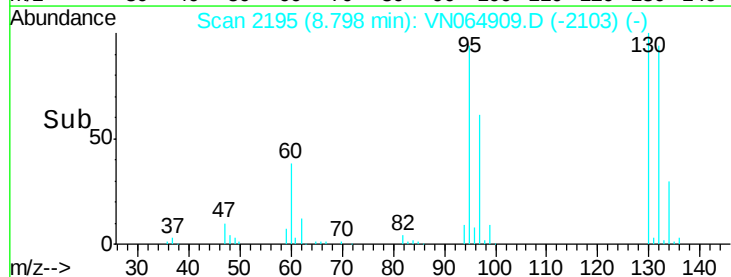
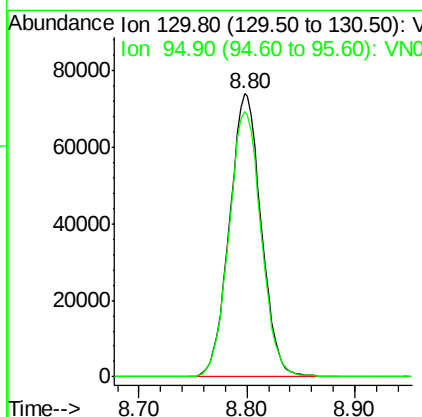
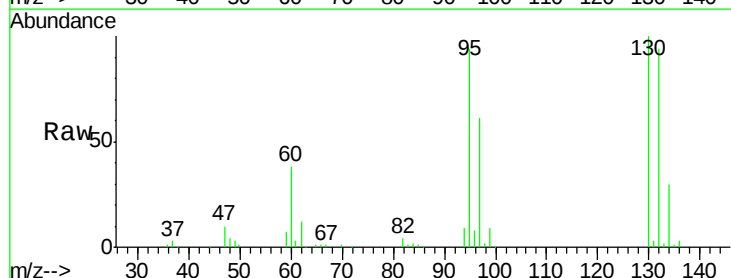
RT: 8.80 min Scan# 2195

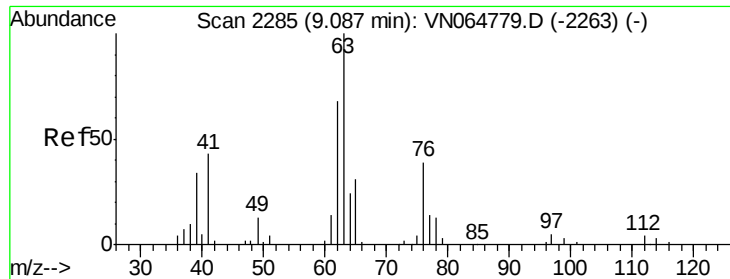
Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Tgt Ion:	130	Resp:	151694
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	197.8





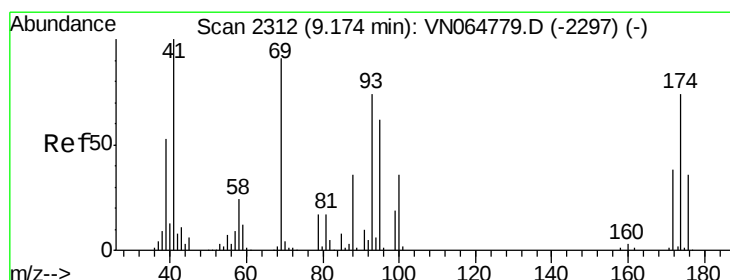
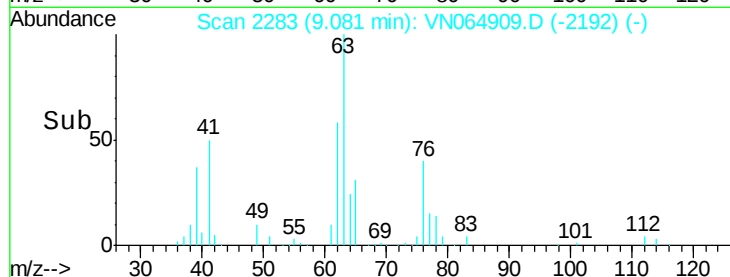
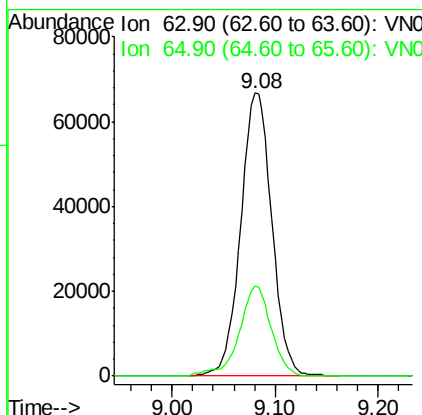
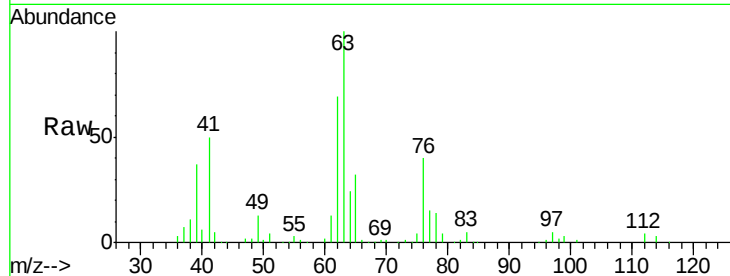
#45
 1,2-Dichloropropane
 Concen: 52.783 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 140029
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.4

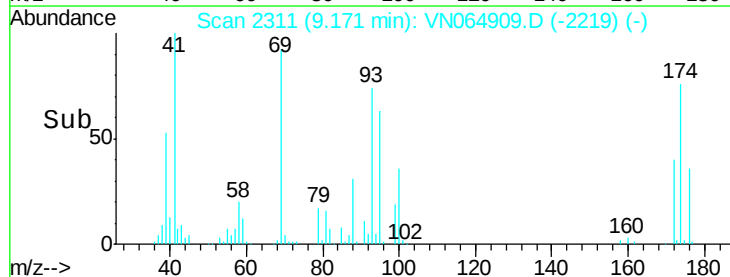
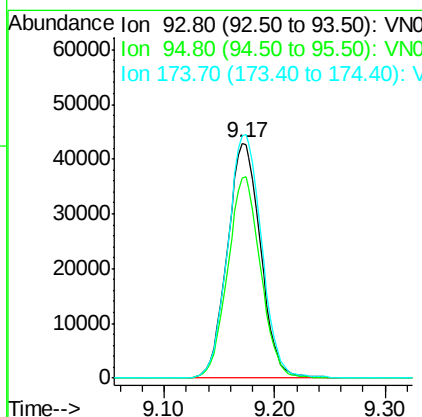
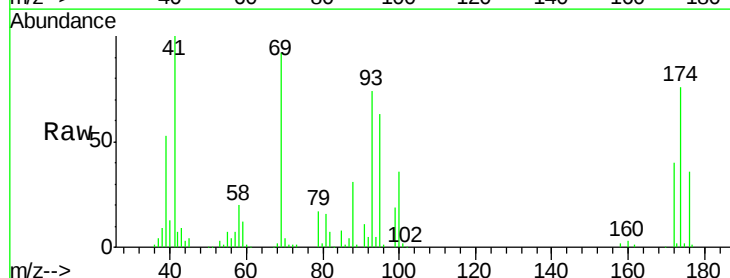
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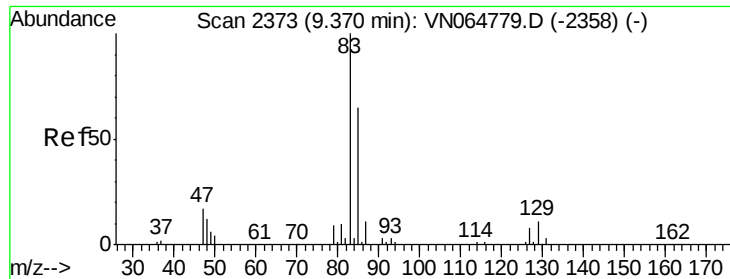
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#46
 Dibromomethane
 Concen: 50.563 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion: 93 Resp: 89614
 Ion Ratio Lower Upper
 93 100
 95 84.5 68.8 103.2
 174 105.3 83.1 124.7





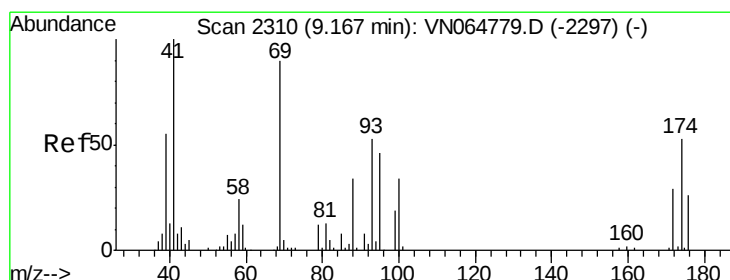
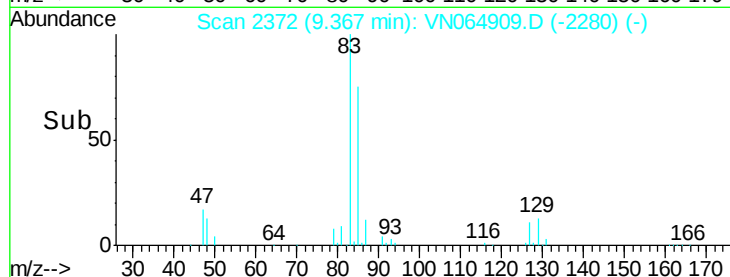
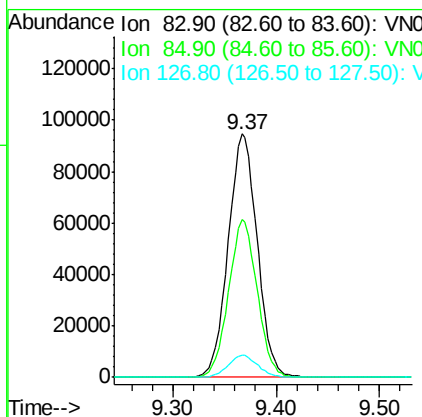
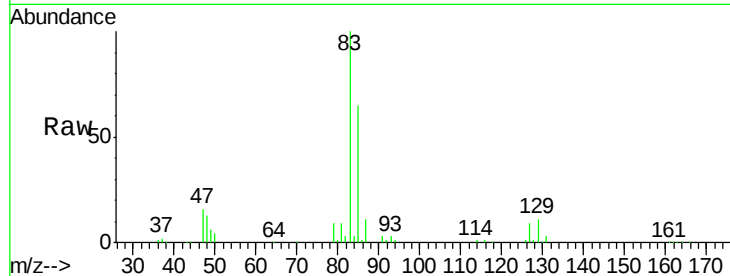
#47
Bromodichloromethane
Concen: 52.010 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	185472
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.8	77.8
127	9.3	6.8	10.2

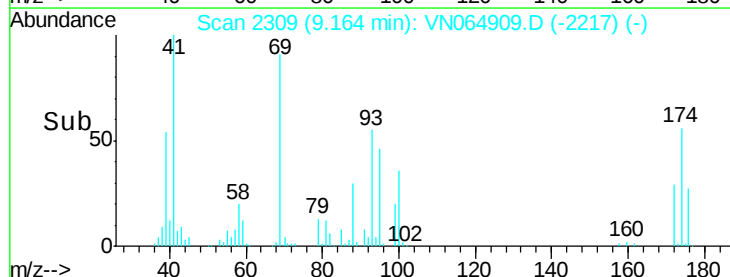
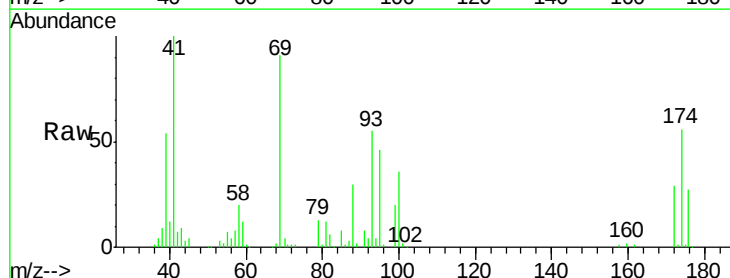
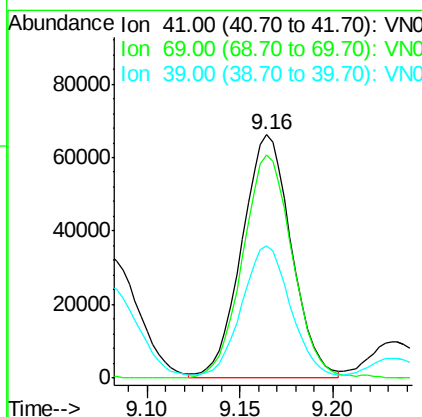
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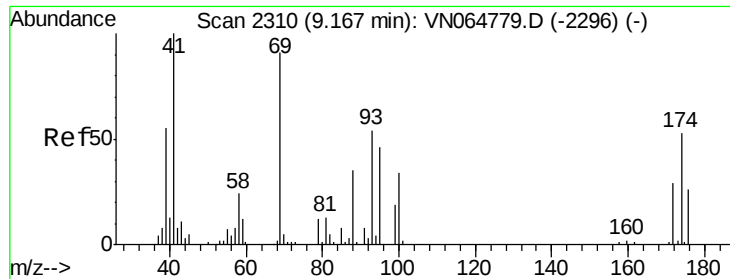
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#48
Methyl methacrylate
Concen: 49.745 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	41	Resp	123169
Ion Ratio	100	Lower	Upper
41	100		
69	92.0	71.8	107.8
39	54.3	44.1	66.1





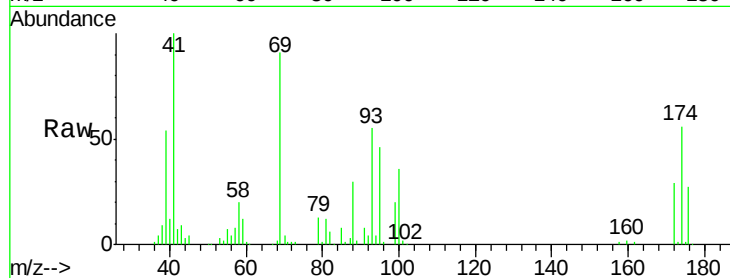
#49
 1,4-Dioxane
 Concen: 886.893 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.2	36.4
58	66.8	52.5	78.7

Manual Integrations
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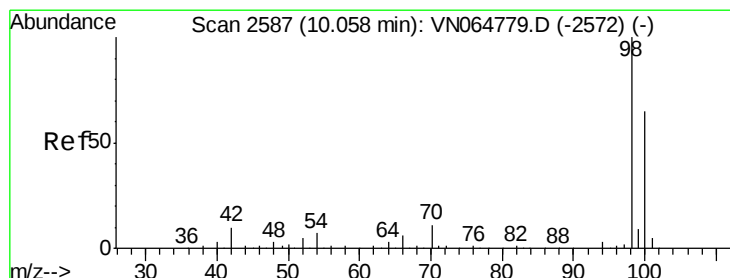
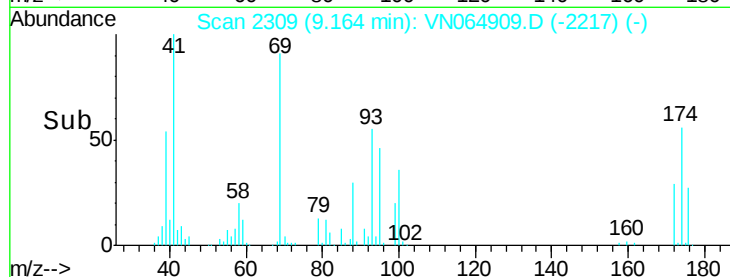
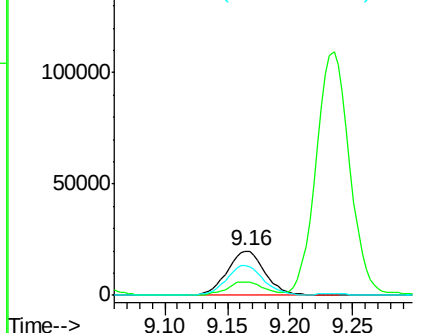
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Abundance Ion 88.00 (87.70 to 88.70): VN064909.D (-2217) (-)

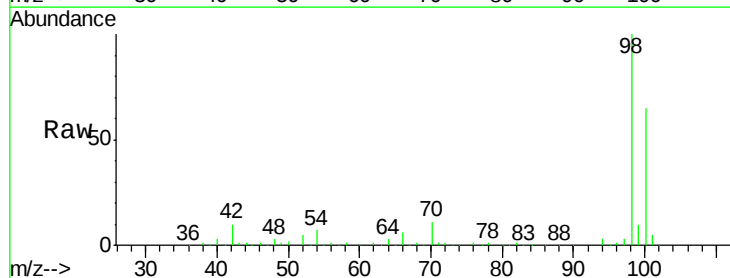
Ion 43.00 (42.70 to 43.70): VN064909.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN064909.D (-2217) (-)



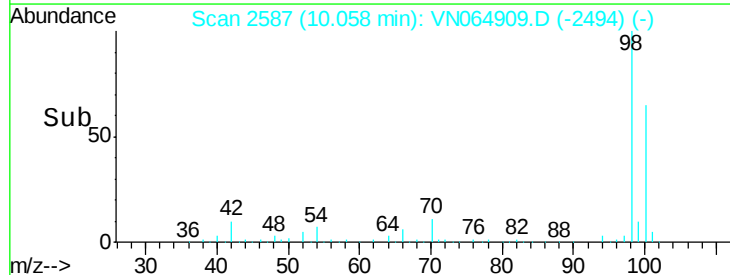
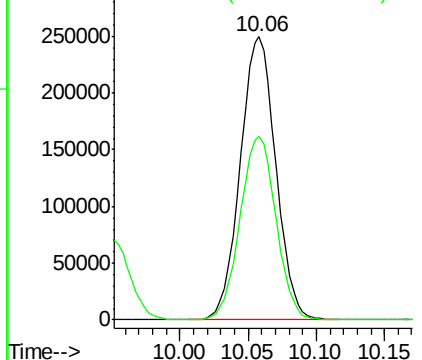
#50
 Toluene-d8
 Concen: 51.148 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064909.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064909.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 244.609 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 760937

Ion Ratio Lower Upper

43 100

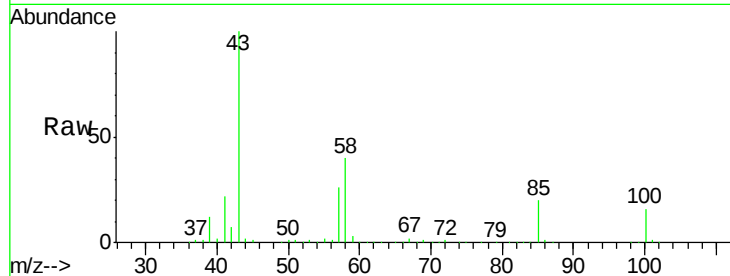
58 40.6 32.4 48.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

500000

400000

300000

200000

100000

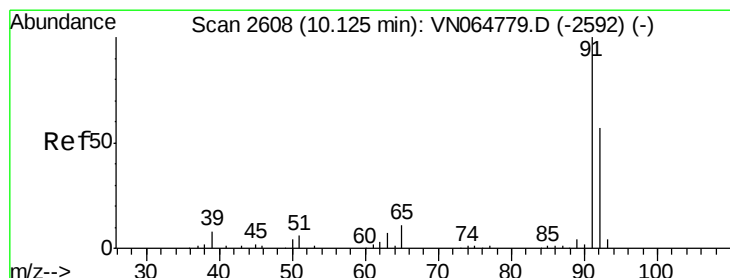
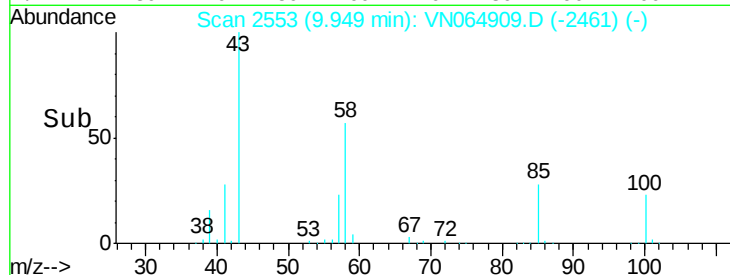
0

9.90

9.95

10.00

Time-->



#52

Toluene

Concen: 52.261 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064909.D

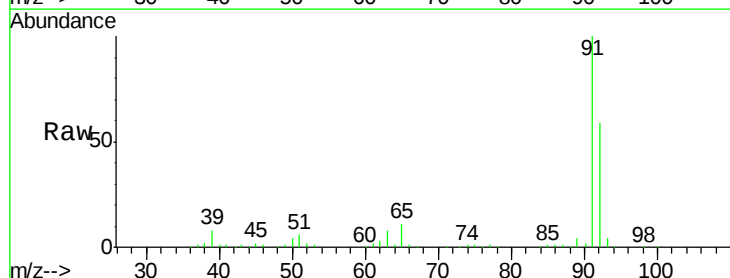
Acq: 4 Dec 2020 10:51

Tgt Ion: 92 Resp: 329700

Ion Ratio Lower Upper

92 100

91 172.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

200000

100000

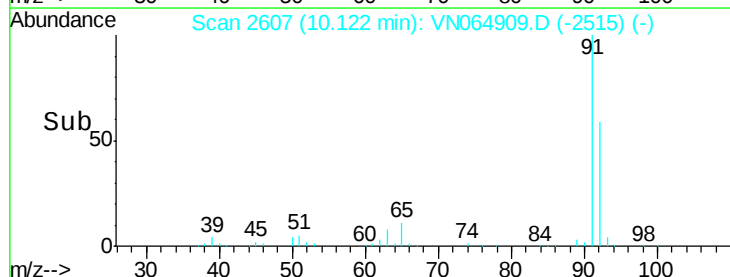
0

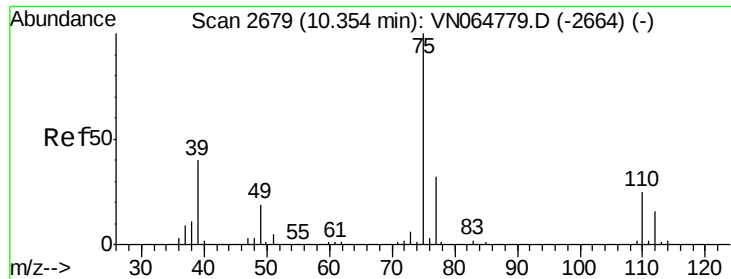
10.10

10.12

10.20

Time-->





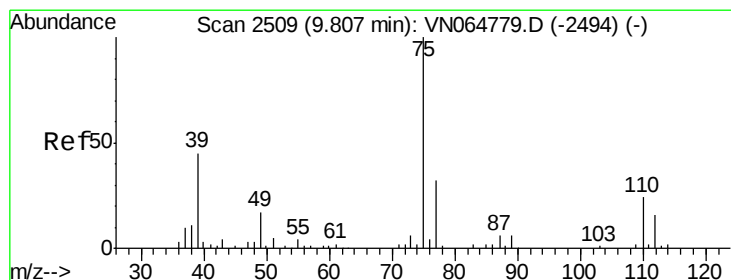
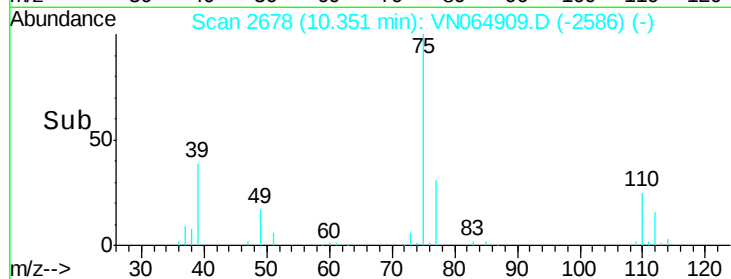
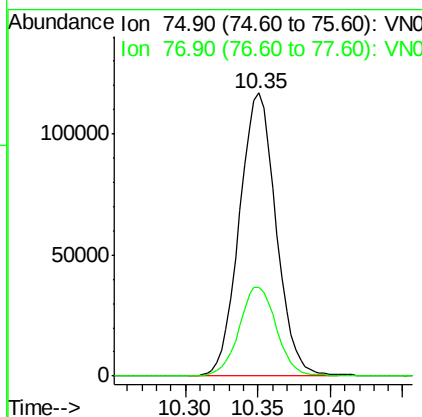
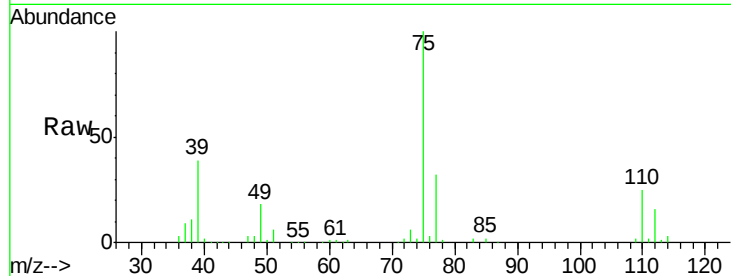
#53
t-1,3-Dichloropropene
Concen: 51.850 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6

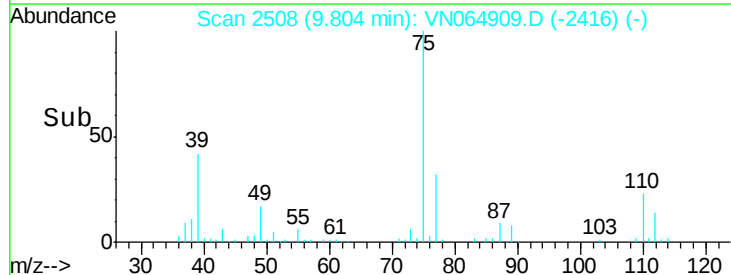
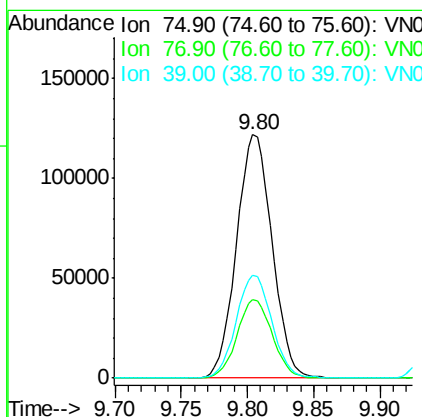
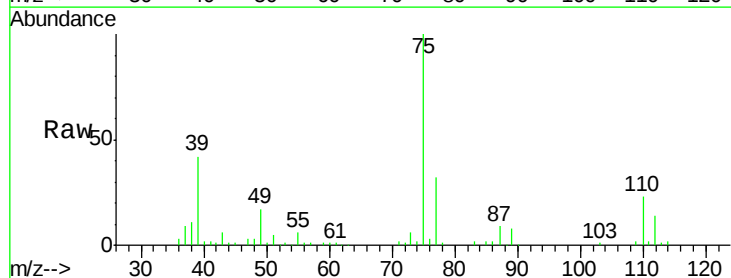
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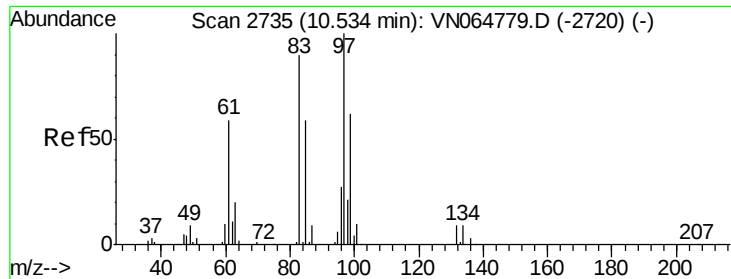
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#54
cis-1,3-Dichloropropene
Concen: 53.536 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.5	38.3
39	42.3	35.6	53.4





#55

1,1,2-Trichloroethane

Concen: 50.457 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

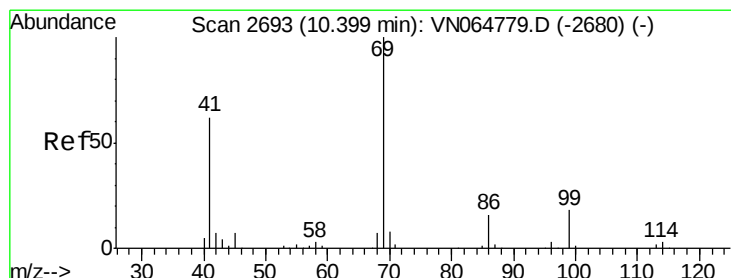
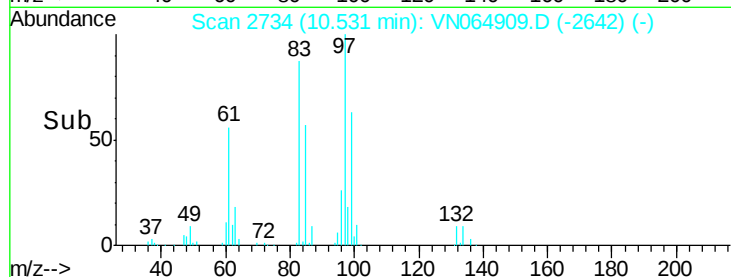
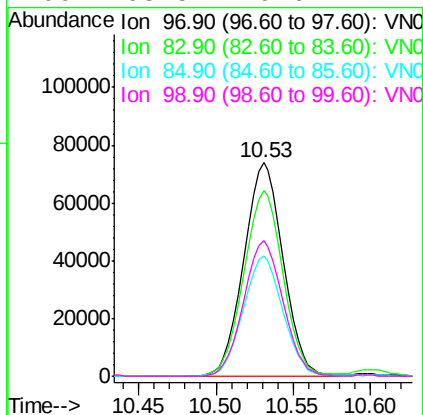
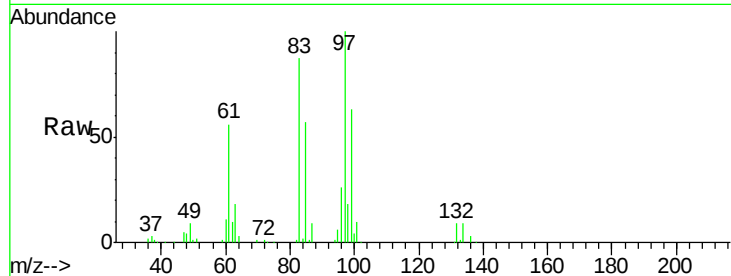
ClientSampled :

VSTDCCC050

Tot Ion:	97	Resp:	130898
Ion	Ratio	Lower	Upper
97	100		
83	86.8	72.1	108.1
85	56.5	46.8	70.2
99	63.5	49.6	74.4

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#56

Ethyl methacrylate

Concen: 53.126 ug/l

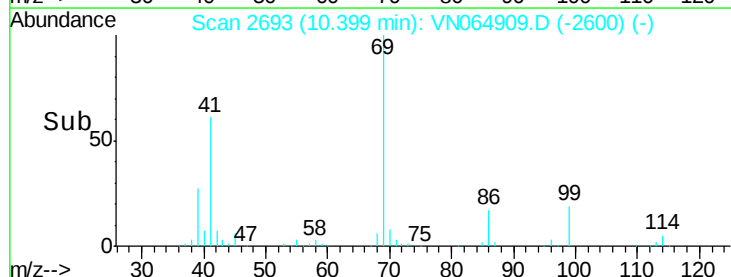
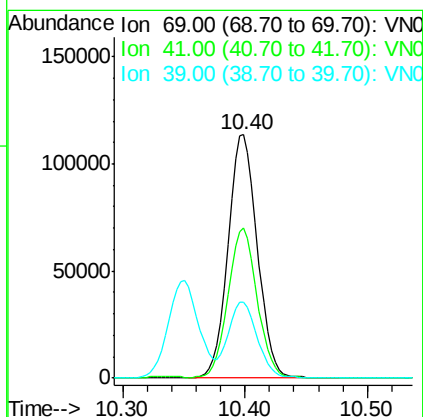
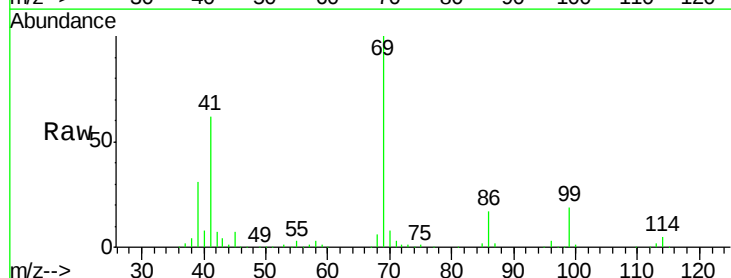
RT: 10.40 min Scan# 2693

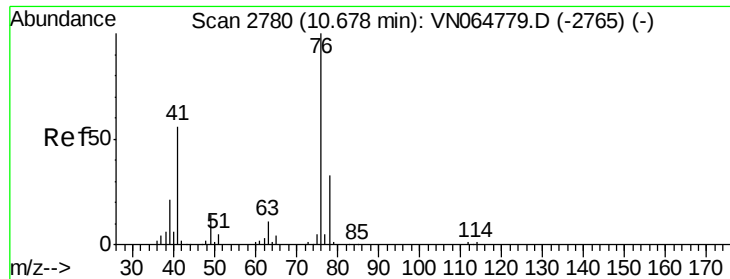
Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Tgt Ion:	69	Resp:	190188
Ion	Ratio	Lower	Upper
69	100		
41	60.7	49.4	74.0
39	30.3	25.9	38.9





#57

1,3-Dichloropropane

Concen: 50.677 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 216865

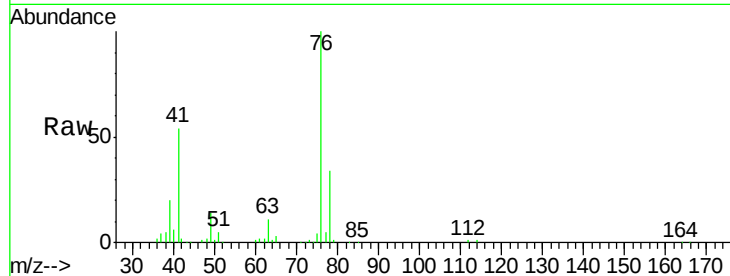
Ion Ratio Lower Upper

76 100

78 33.3 26.1 39.1

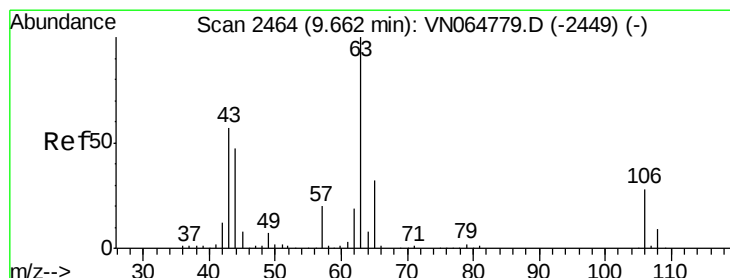
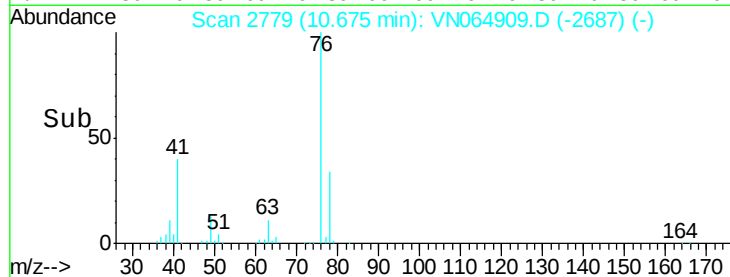
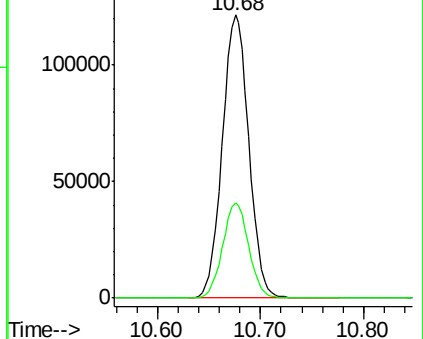
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Abundance Ion 75.90 (75.60 to 76.60): VN064779.D (-2765) (-)

Ion 77.90 (77.60 to 78.60): VN064779.D (-2765) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 240.493 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064909.D

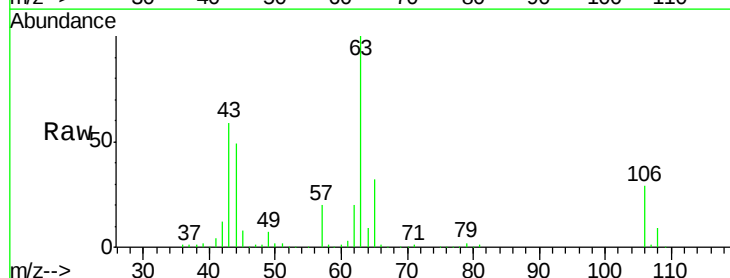
Acq: 4 Dec 2020 10:51

Tgt Ion: 63 Resp: 473581

Ion Ratio Lower Upper

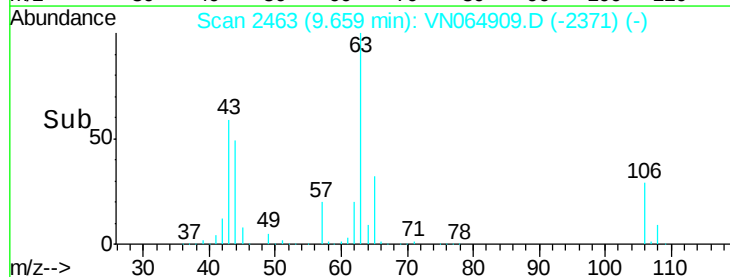
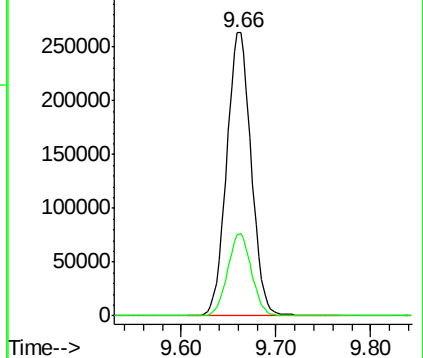
63 100

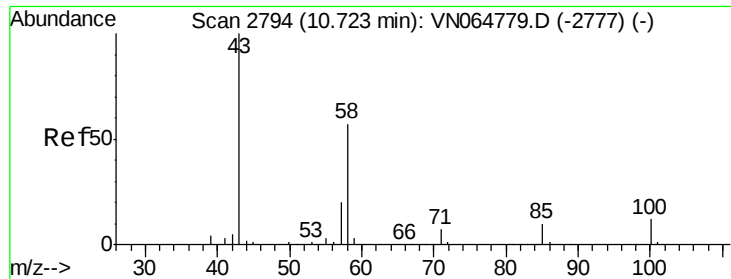
106 28.4 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN064779.D (-2449) (-)

Ion 105.90 (105.60 to 106.60): VN064779.D (-2449) (-)





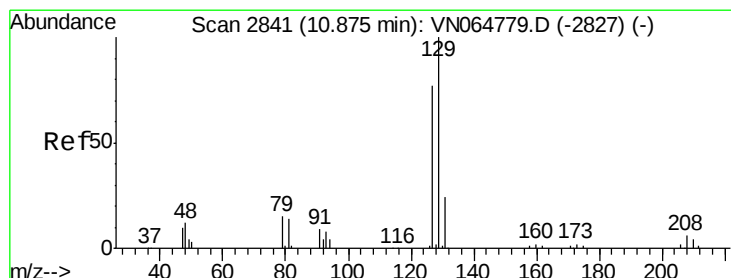
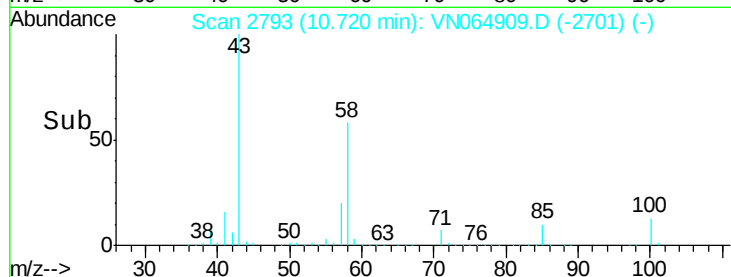
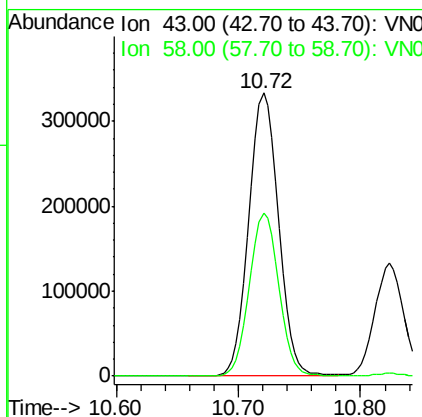
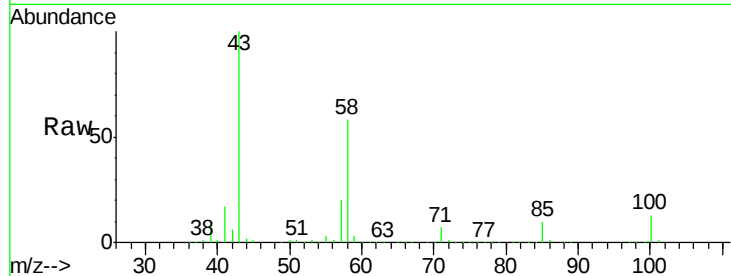
#59
2-Hexanone
Concen: 249.996 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 559696
Ion Ratio Lower Upper
43 100
58 57.0 28.3 84.9

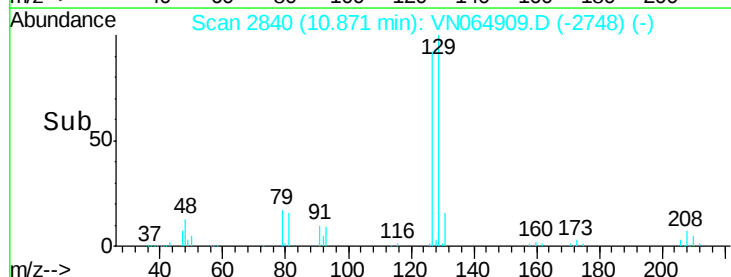
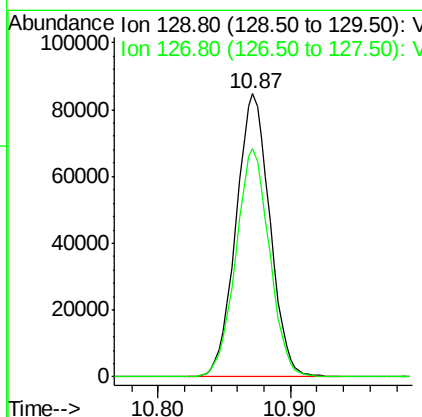
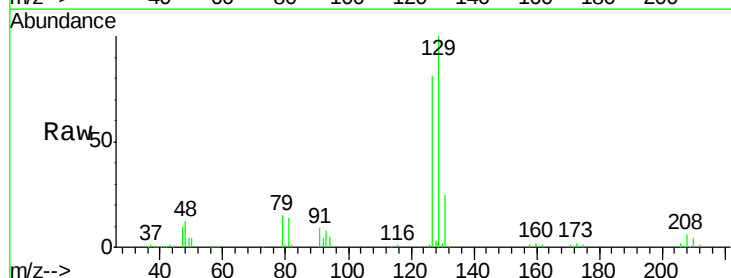
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MMDadoda
12/7/2020 10:45:21 AM



#60
Dibromochloromethane
Concen: 52.137 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 129 Resp: 150347
Ion Ratio Lower Upper
129 100
127 80.0 39.1 117.2





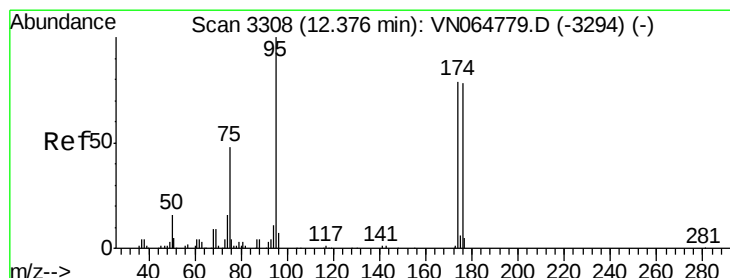
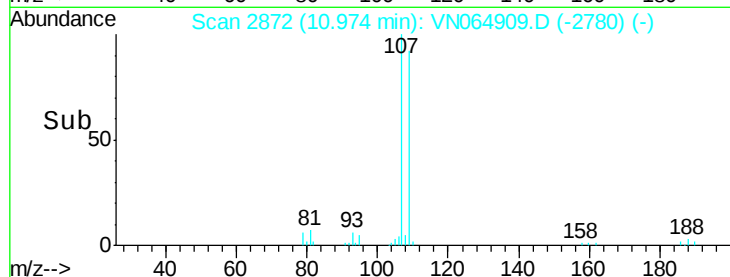
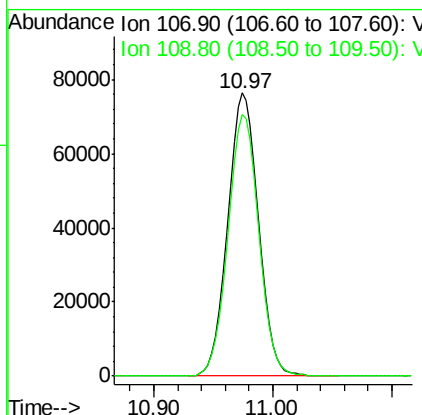
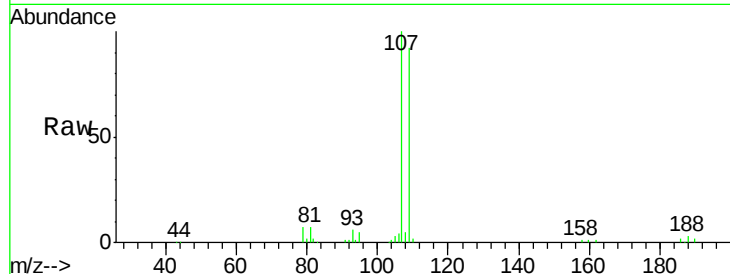
#61
 1,2-Dibromoethane
 Concen: 51.659 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	136155		
109	93.0	76.0	114.0	

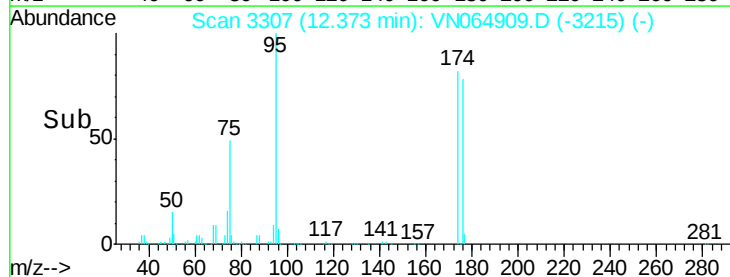
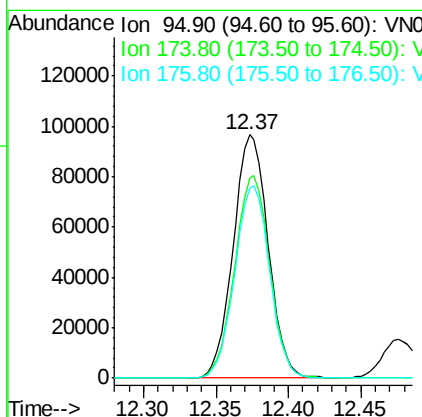
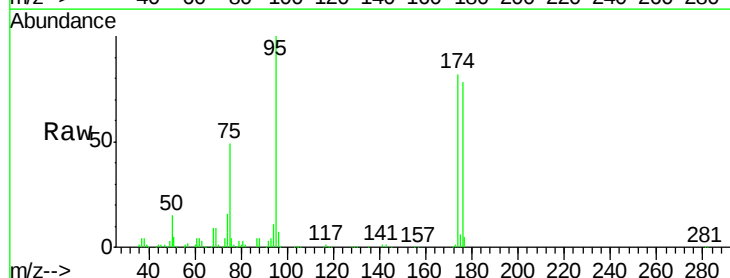
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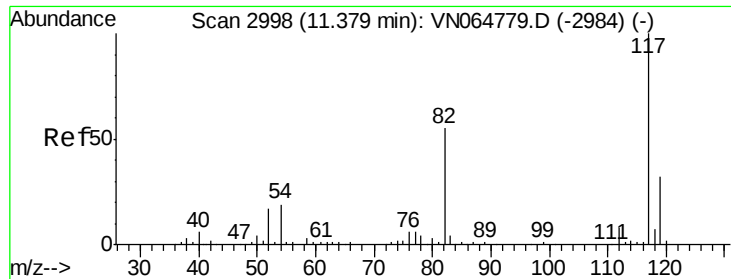
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#62
 4-Bromofluorobenzene
 Concen: 51.162 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	161454		
174	83.7	0.0	160.4	
176	79.3	0.0	158.4	





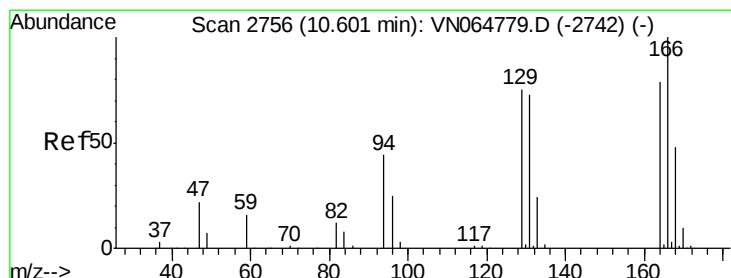
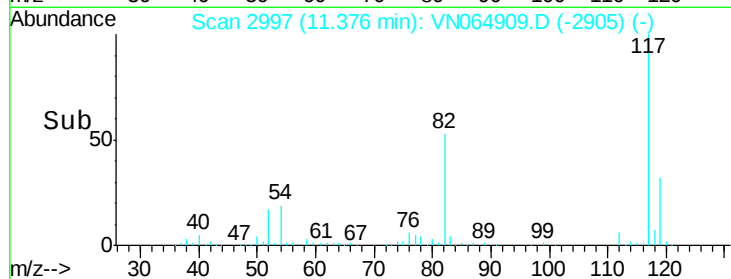
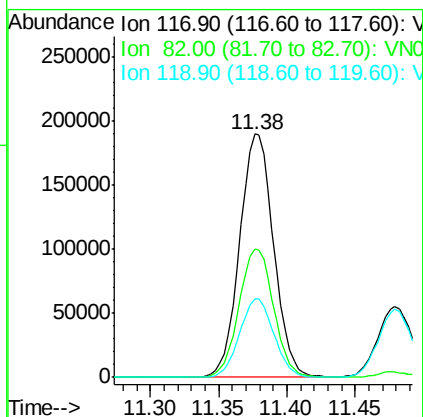
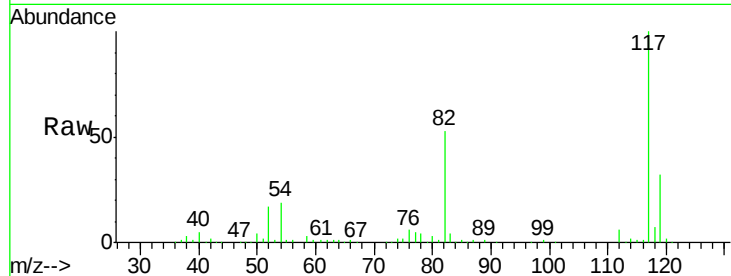
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	44.2	66.2
119	32.1	25.8	38.6

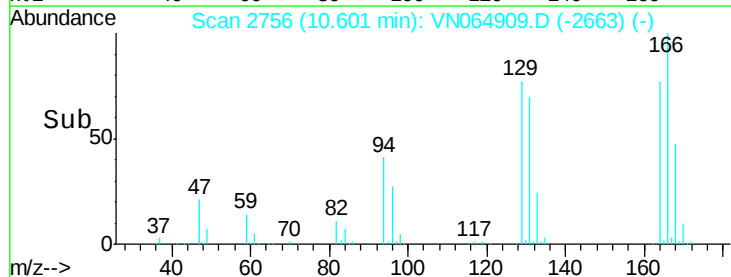
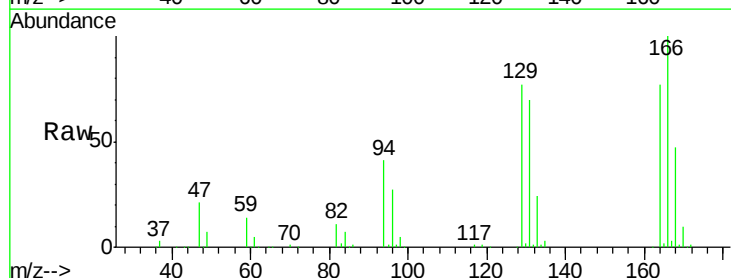
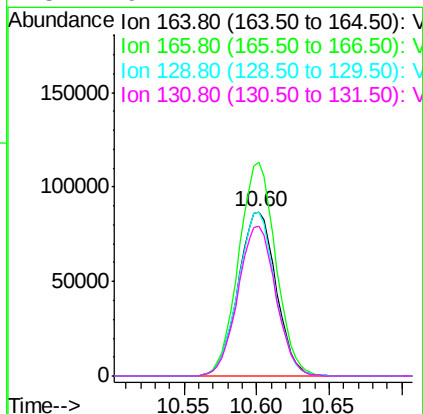
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#64
Tetrachloroethene
Concen: 49.287 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.4	152.0
129	100.0	76.1	114.1
131	91.1	74.2	111.2





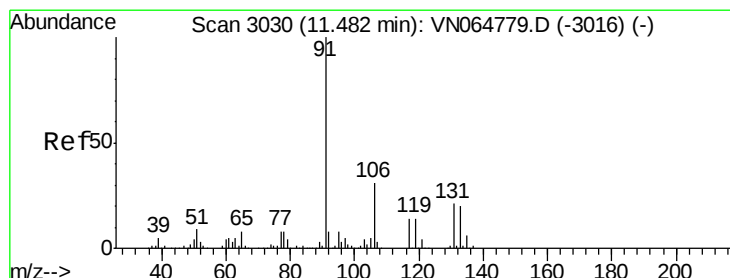
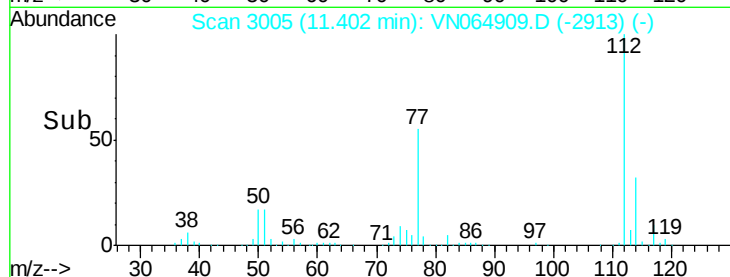
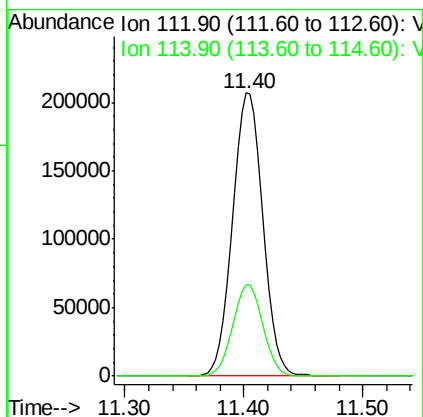
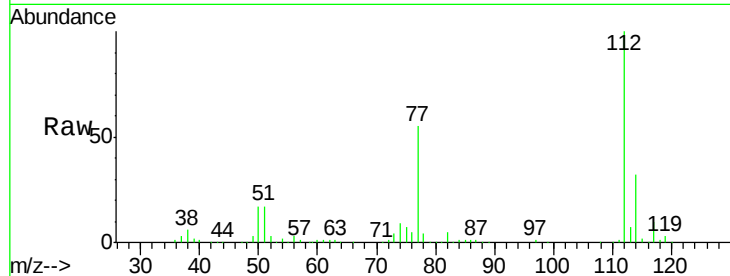
#65
Chlorobenzene
Concen: 51.807 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 365729
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7

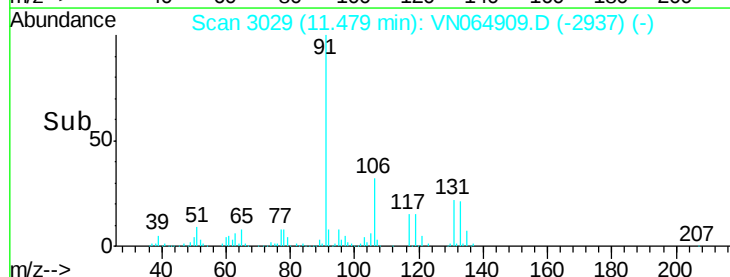
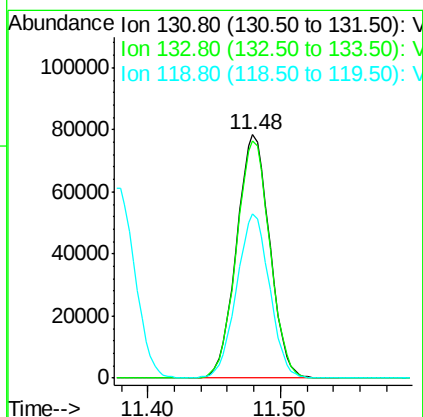
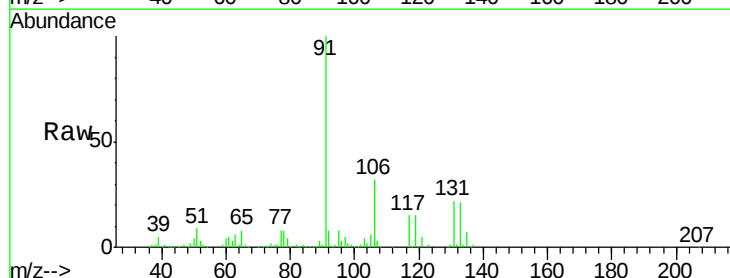
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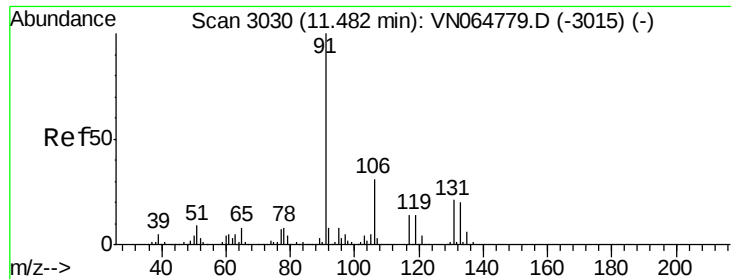
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.455 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion:131 Resp: 136089
Ion Ratio Lower Upper
131 100
133 98.4 47.5 142.5
119 67.3 33.3 99.8





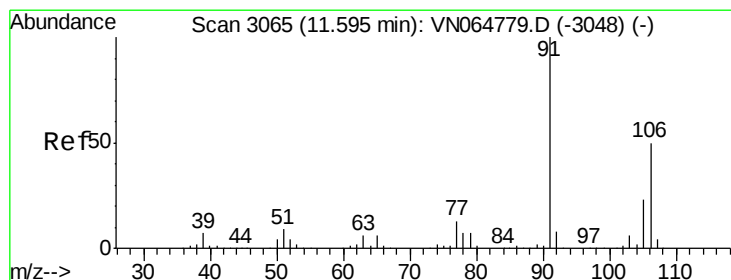
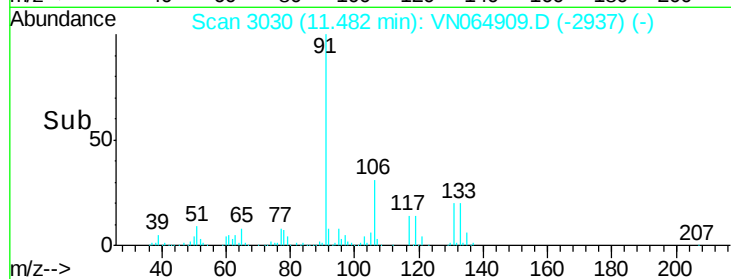
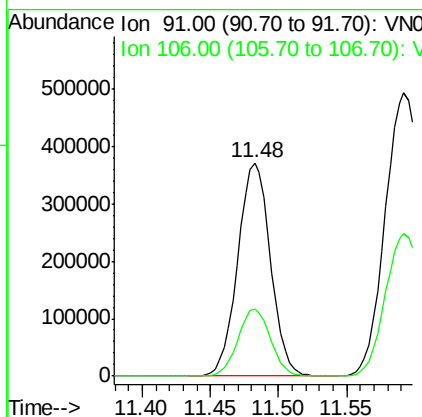
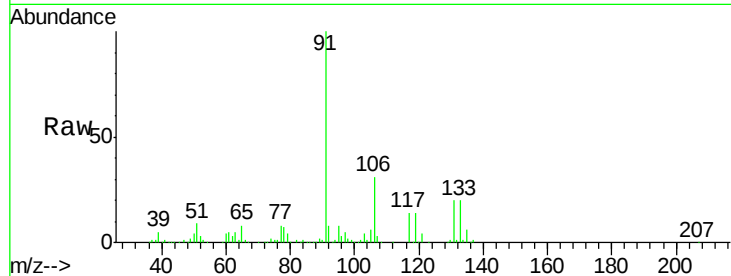
#67
Ethyl Benzene
Concen: 52.348 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 617353
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

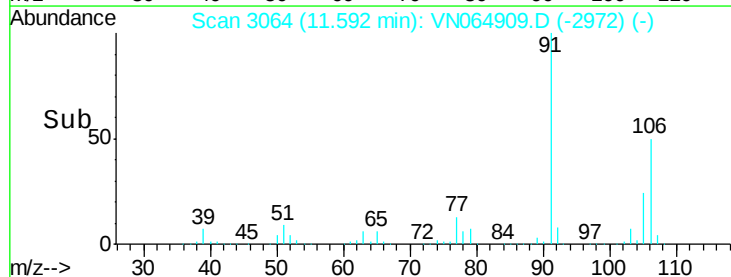
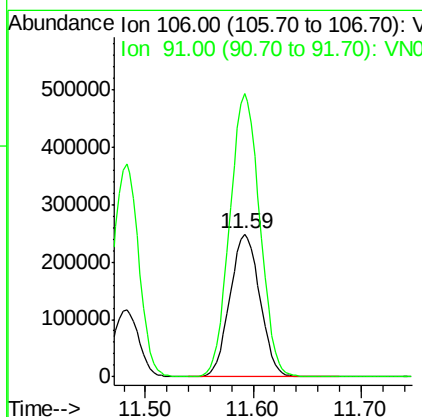
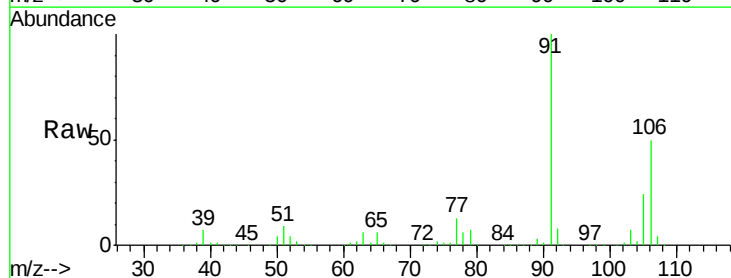
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#68
m/p-Xylenes
Concen: 108.000 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 106 Resp: 482224
Ion Ratio Lower Upper
106 100
91 198.5 161.0 241.4





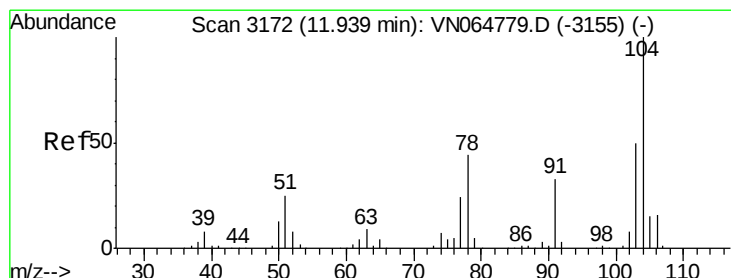
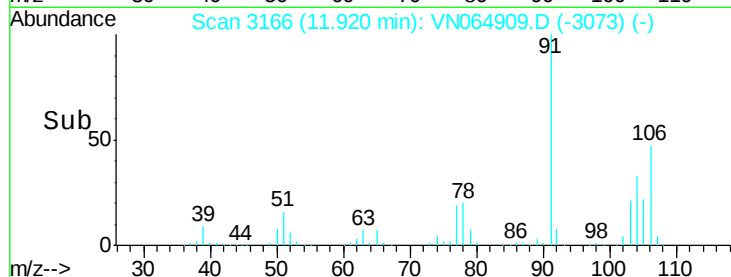
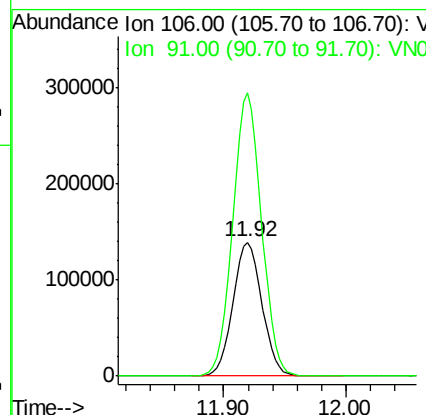
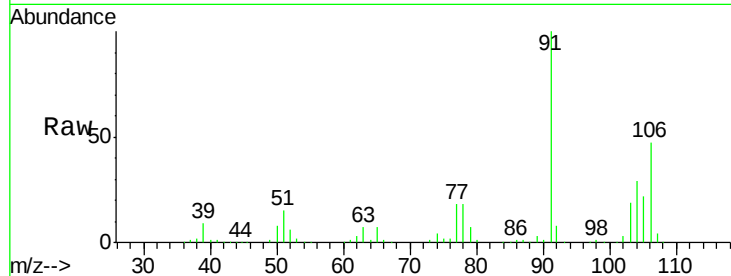
#69
o-Xylene
Concen: 54.580 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
231261	106	100		
	91	209.5	105.5	316.5

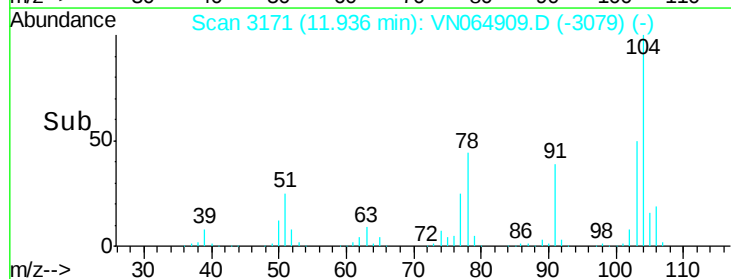
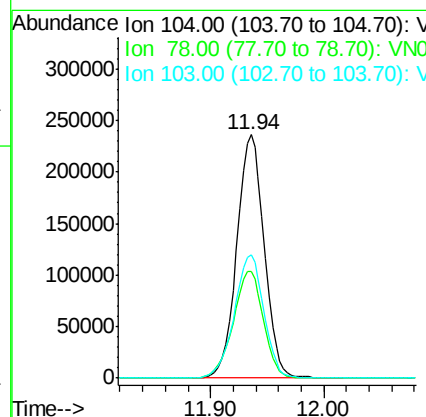
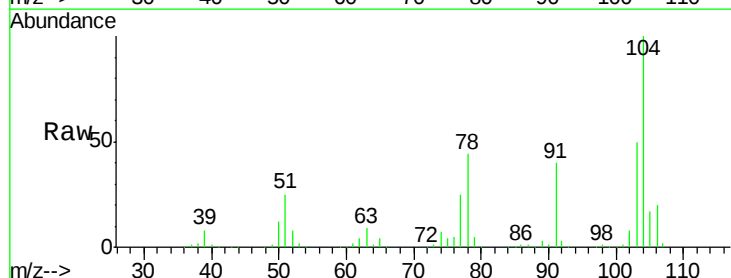
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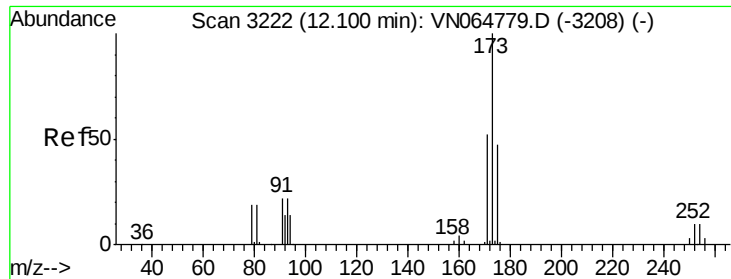
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#70
Styrene
Concen: 55.652 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	Ion	Ratio	Lower	Upper
398074	104	100		
	78	48.3	39.0	58.6
	103	54.5	44.3	66.5





#71

Bromoform

Concen: 51.051 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

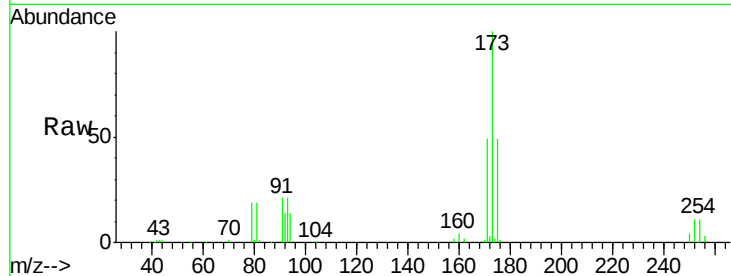
ClientSampleId :

VSTDCCC050

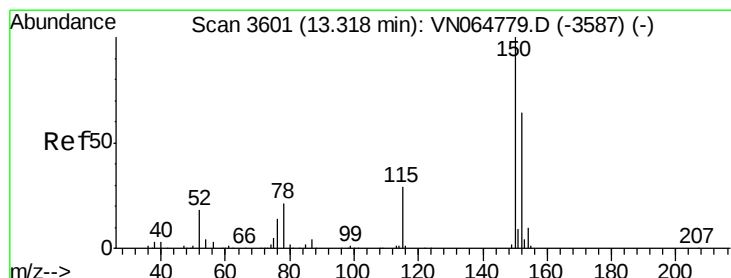
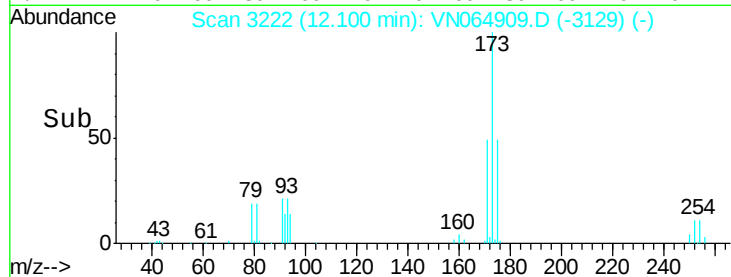
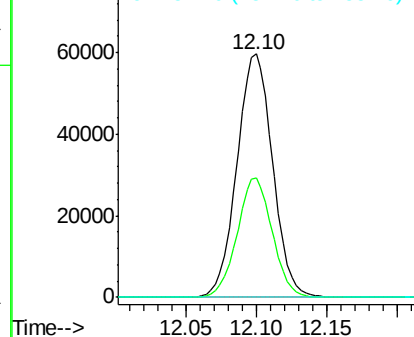
Tot Ion:	173	Resp:	105784
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.3	72.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

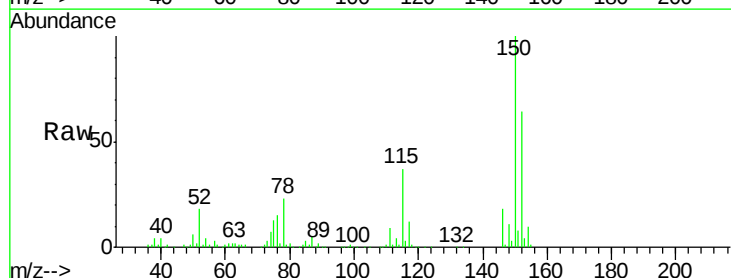
RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

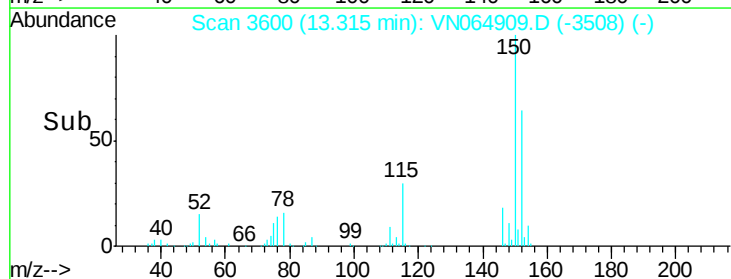
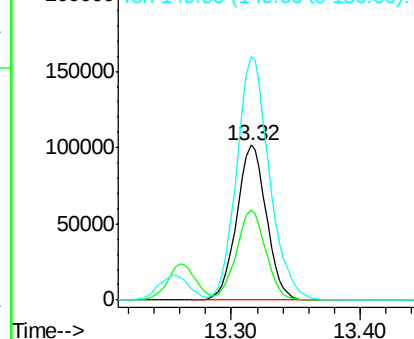
Lab File: VN064909.D

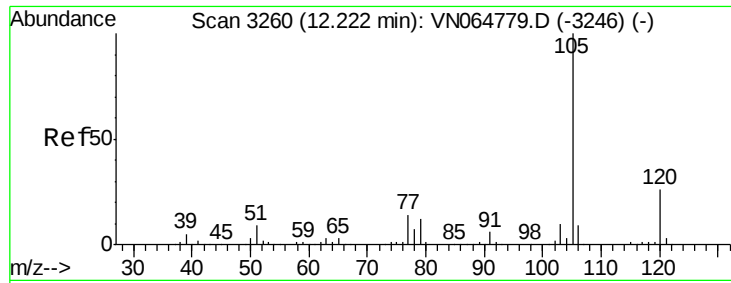
Acq: 4 Dec 2020 10:51

Tgt Ion:	152	Resp:	162330
Ion Ratio	Lower	Upper	
152	100		
115	57.2	29.7	89.1
150	173.9	0.0	350.6



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





#73

Isopropylbenzene

Concen: 53.448 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 603487

Ion Ratio Lower Upper

105 100

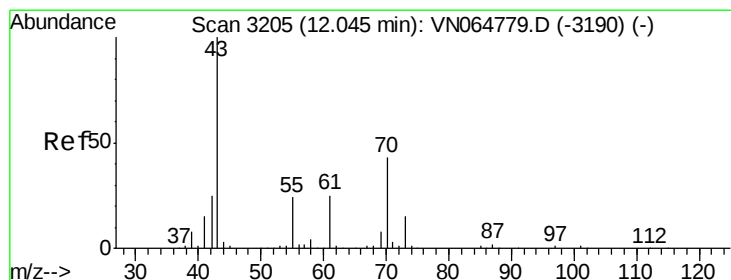
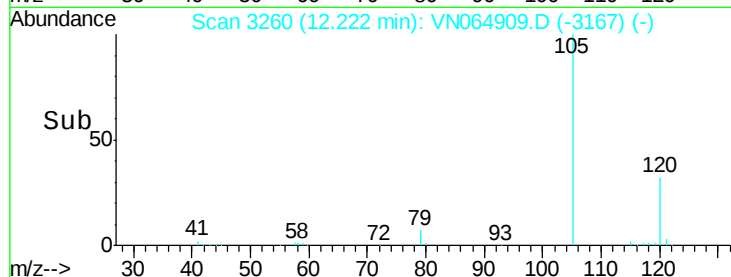
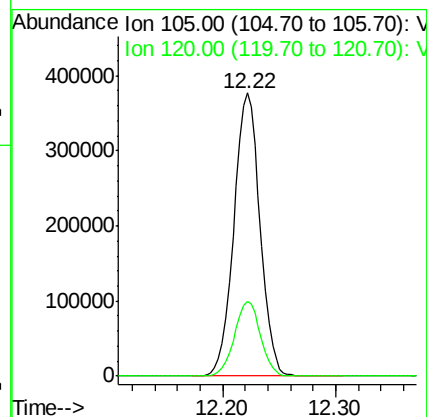
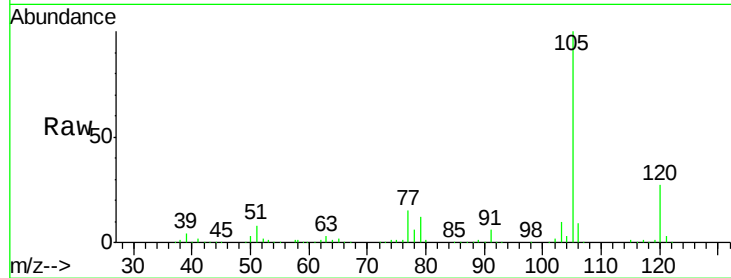
120 26.4 13.3 39.9

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#74

N-ethyl acetate

Concen: 50.164 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Tgt Ion: 43 Resp: 222906

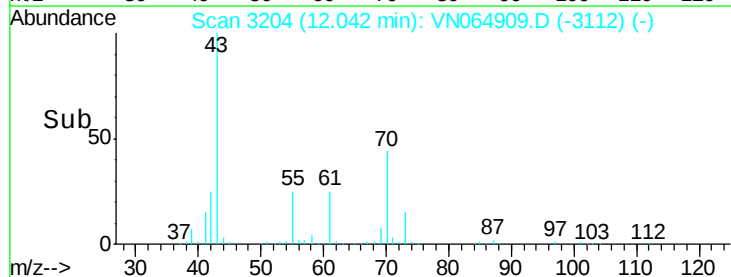
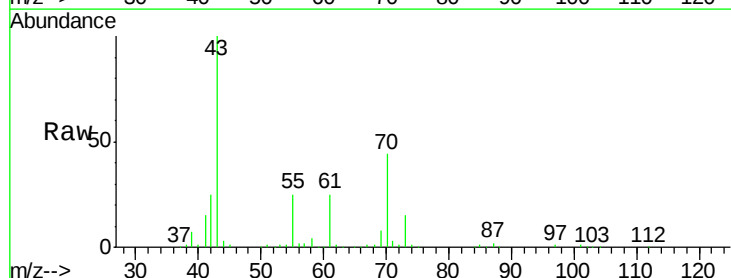
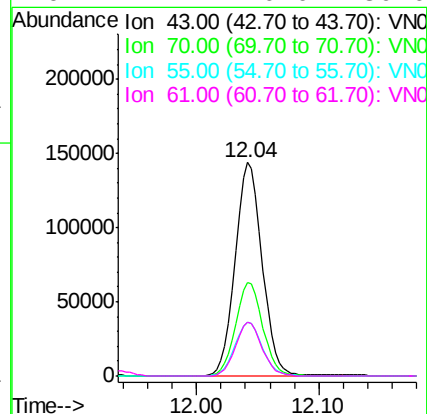
Ion Ratio Lower Upper

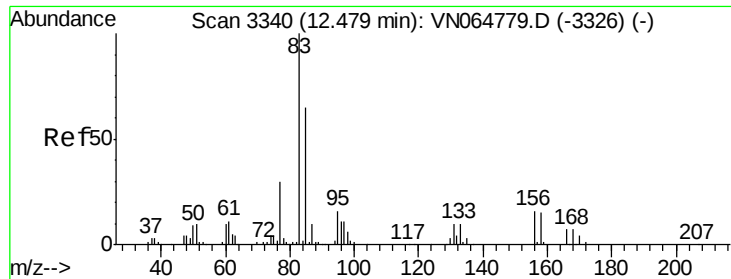
43 100

70 43.8 34.5 51.7

55 25.7 20.4 30.6

61 24.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.337 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

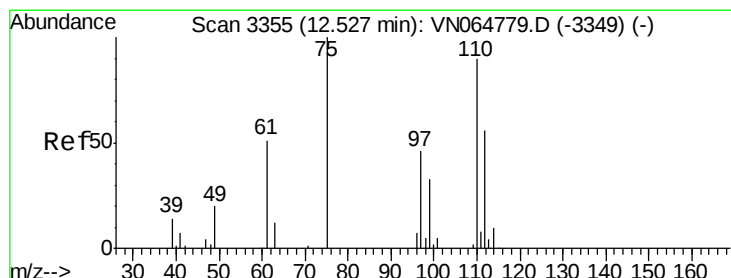
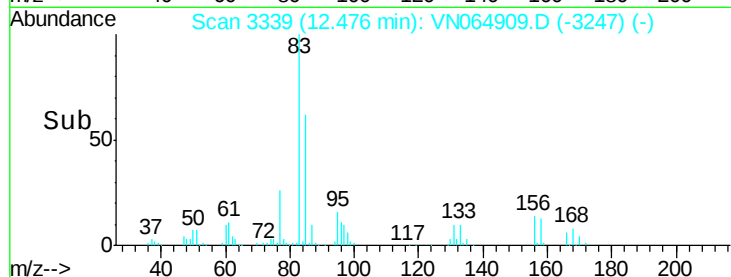
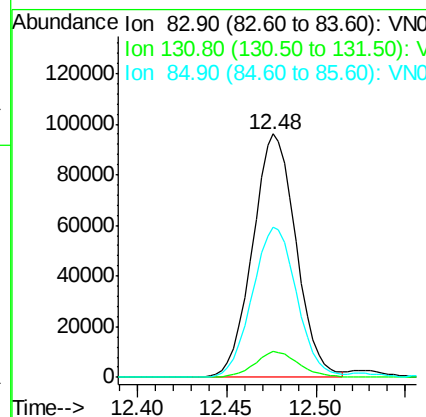
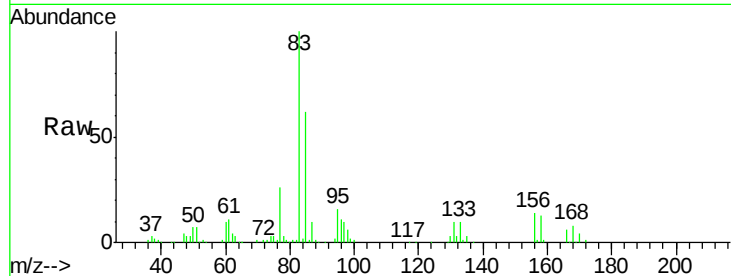
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	163280
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.3
85	63.4	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 51.041 ug/l m

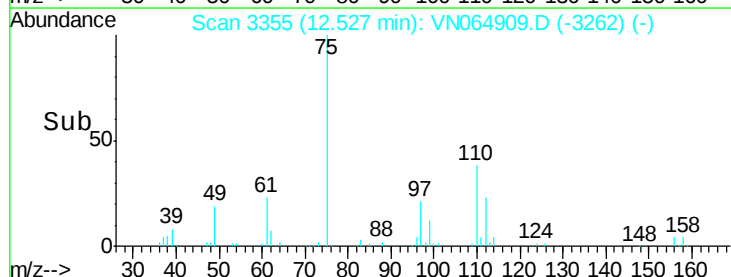
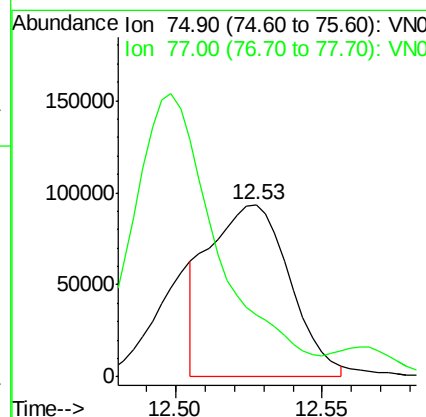
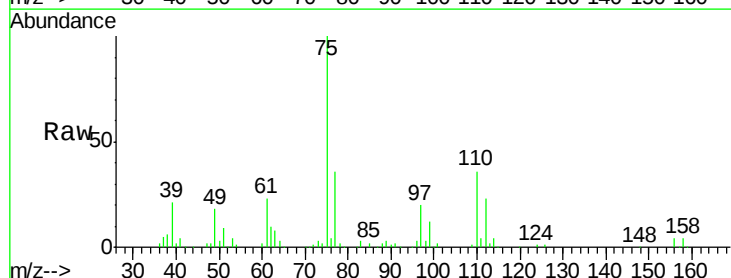
RT: 12.53 min Scan# 3355

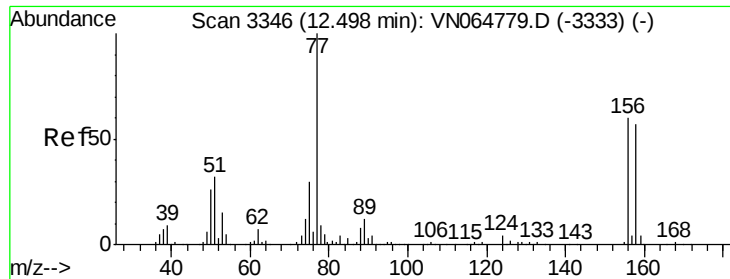
Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Tgt Ion:	75	Resp:	178436
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.264 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

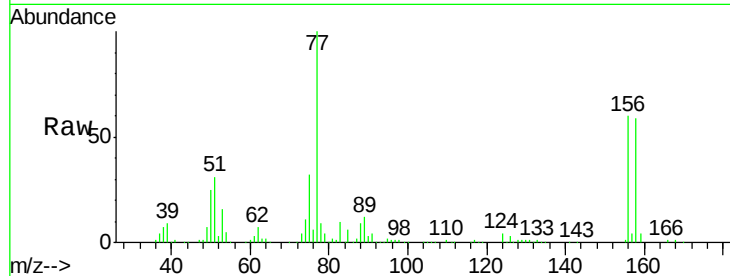
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	201.3	101.3	303.7	
158	98.4	48.2	144.6	

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12/7/2020 10:45:21 AM

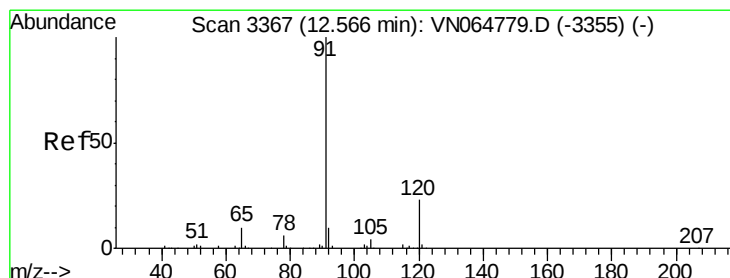
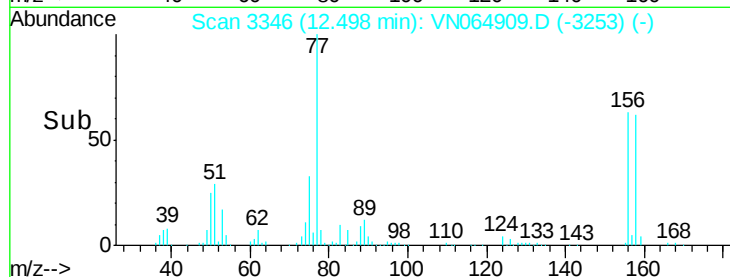
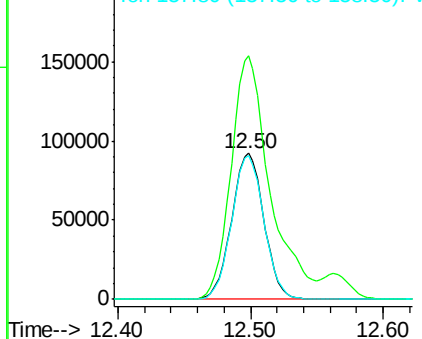


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.706 ug/l

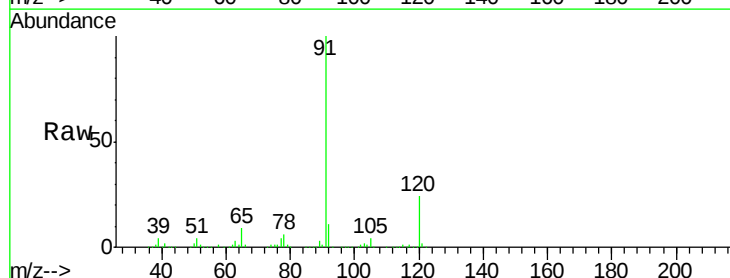
RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

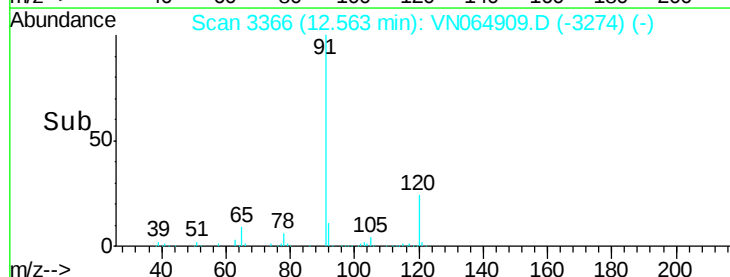
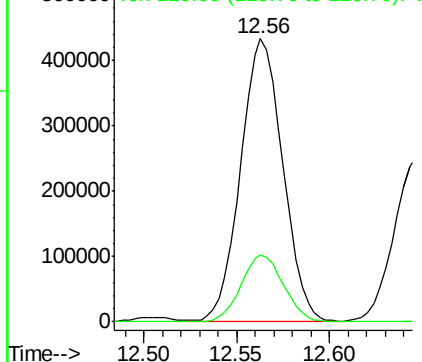
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.9	11.6	34.7	

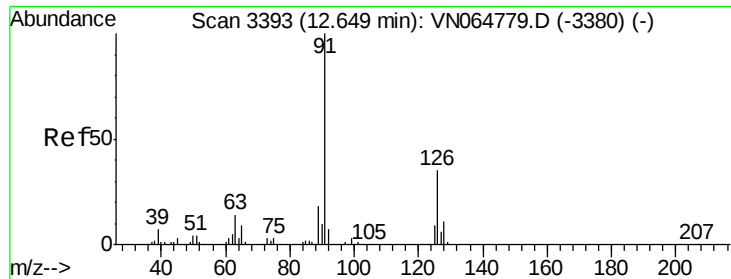


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





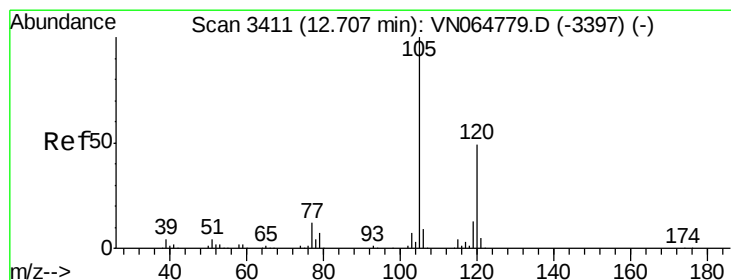
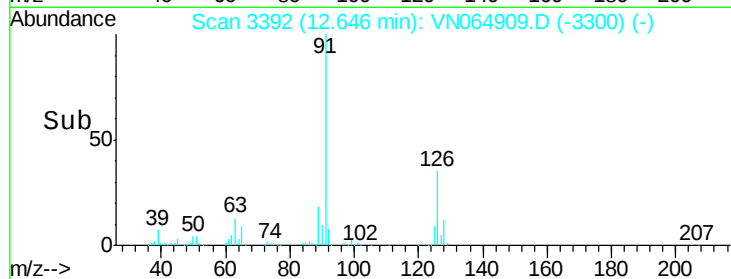
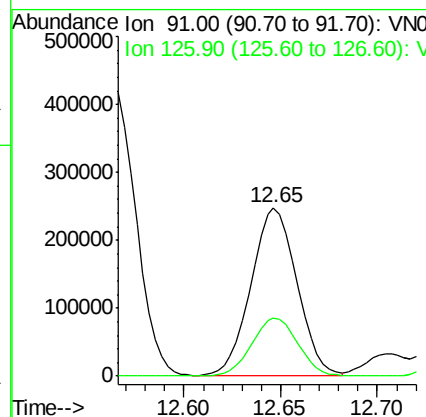
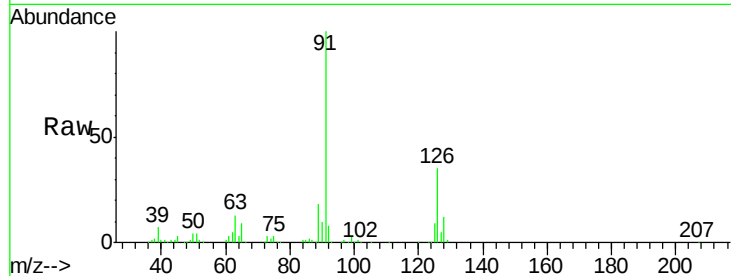
#79
 2-Chlorotoluene
 Concen: 50.998 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 405493
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.2 51.6

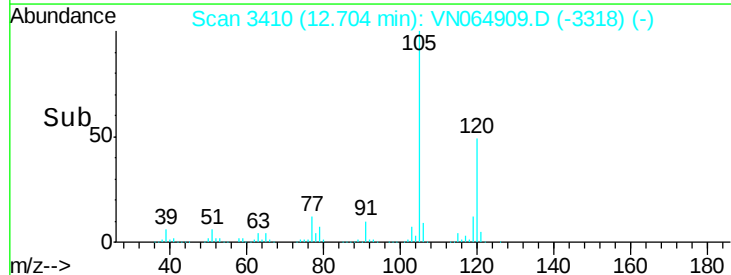
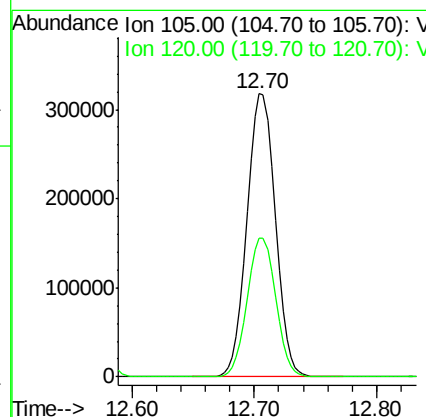
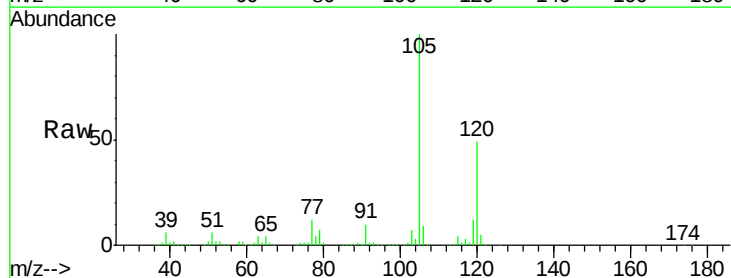
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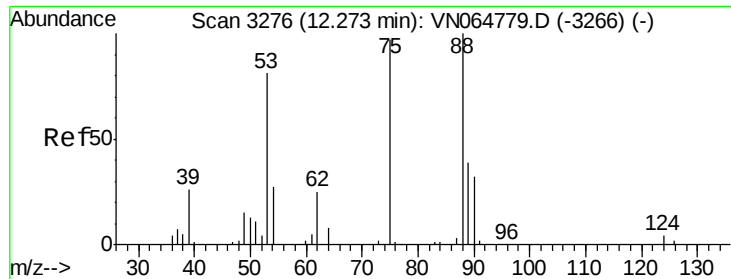
MMDadoda
 12/7/2020 10:45:21 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 54.031 ug/l
 RT: 12.70 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion: 105 Resp: 507090
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 73.6





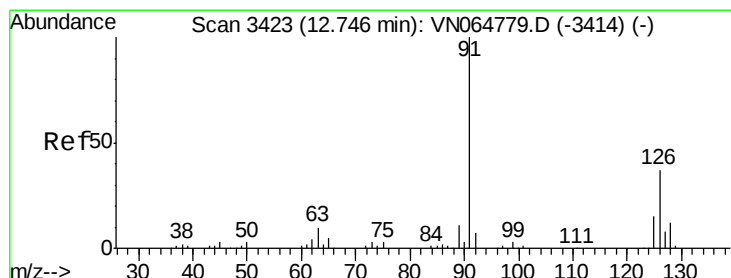
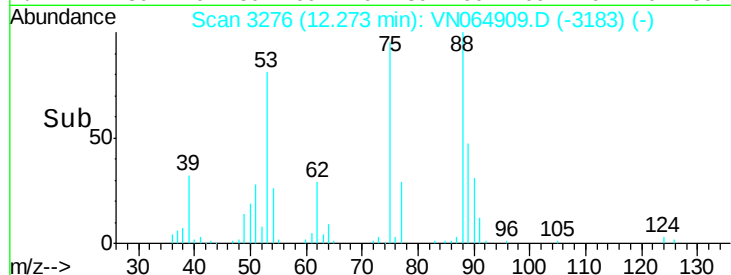
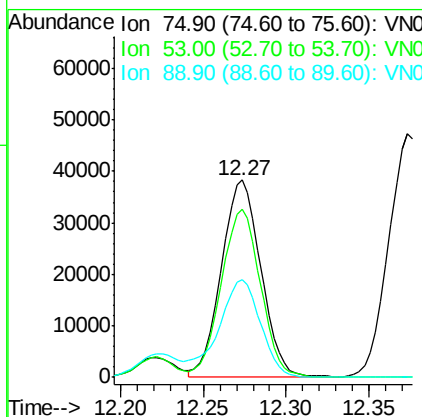
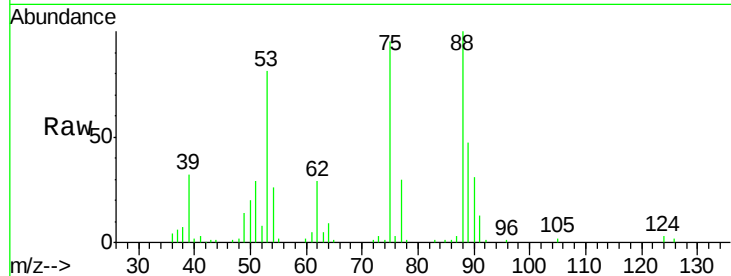
#81
trans-1,4-Dichloro-2-butene
Concen: 49.769 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.7	67.0	100.4
89	52.1	39.6	59.4

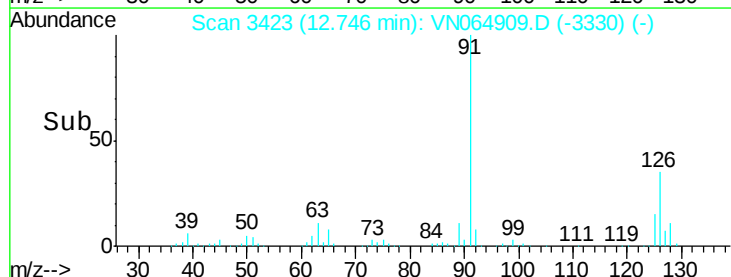
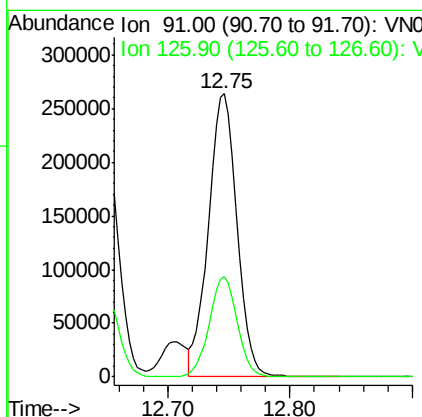
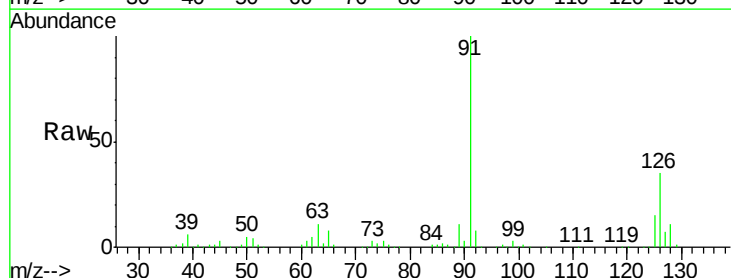
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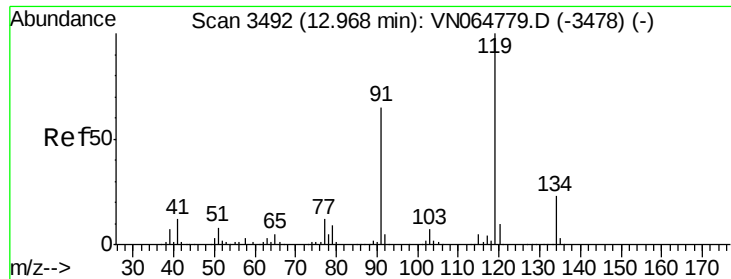
MMDadoda
12/7/2020 10:45:21 AM



#82
4-Chlorotoluene
Concen: 51.778 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.9	50.7





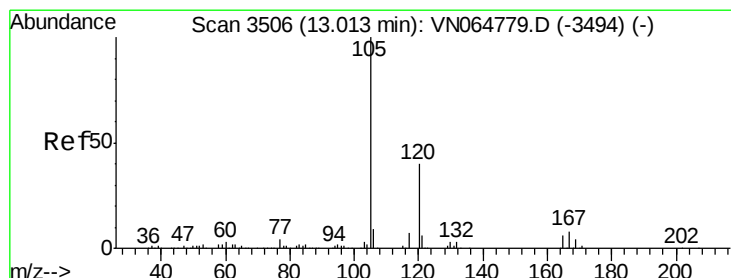
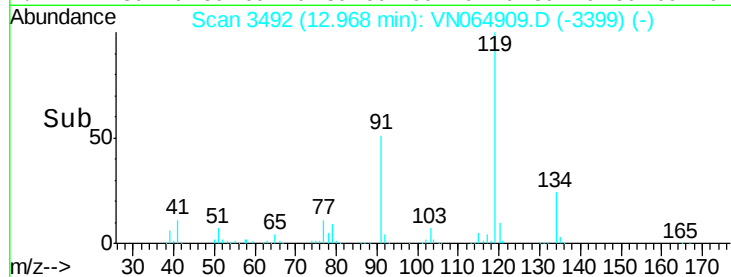
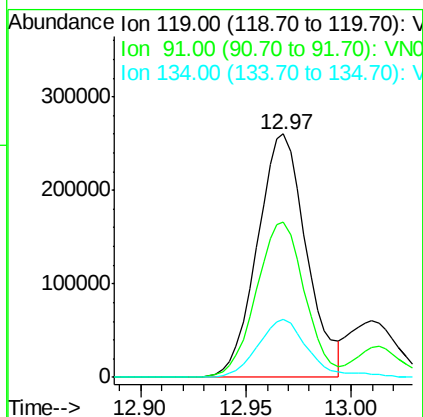
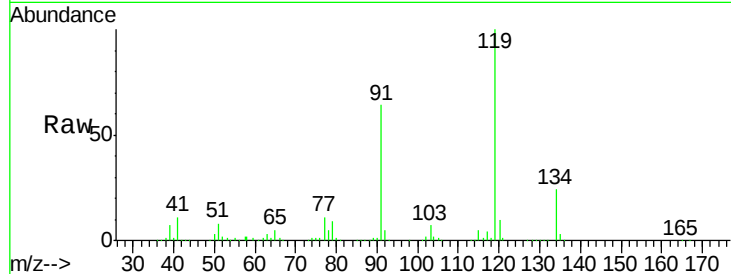
#83
 tert-Butylbenzene
 Concen: 53.636 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	32.3	96.8
134	24.8	12.6	37.6

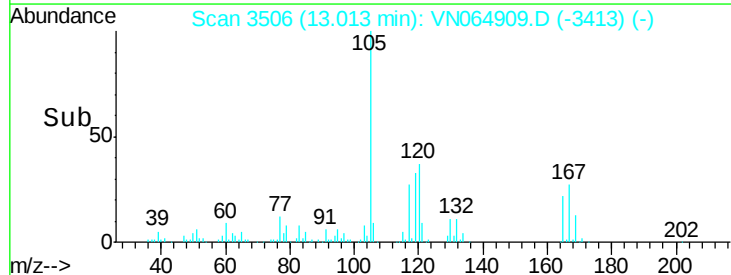
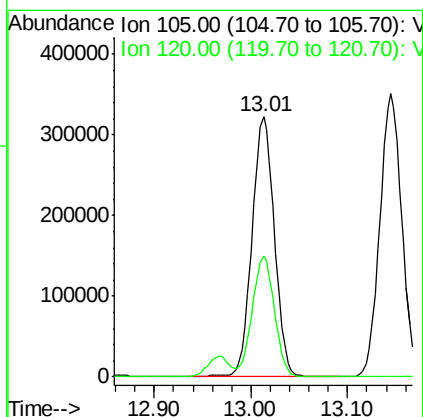
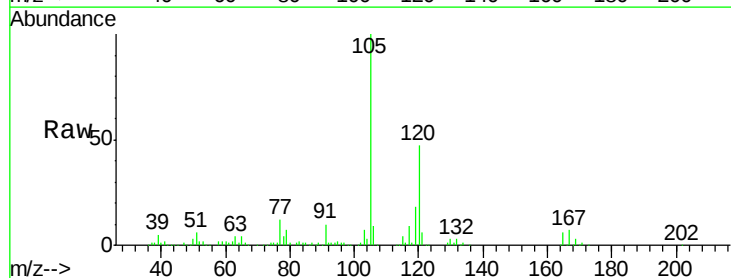
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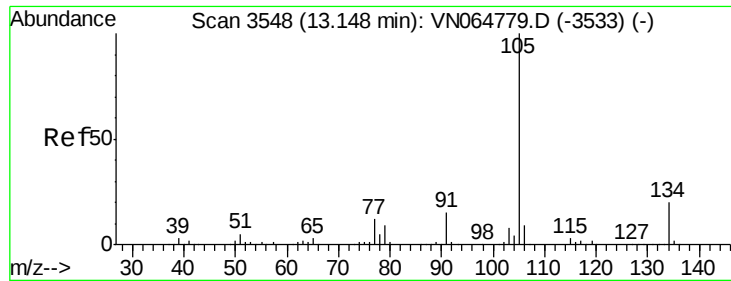
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 12/7/2020 10:45:21 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.703 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 52.688 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 550309

Ion Ratio Lower Upper

105 100

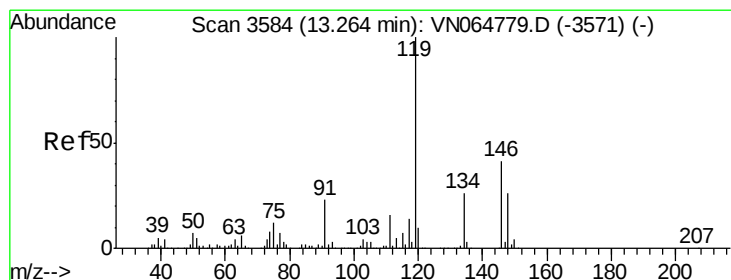
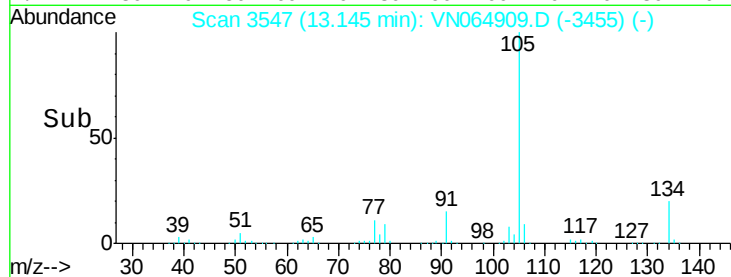
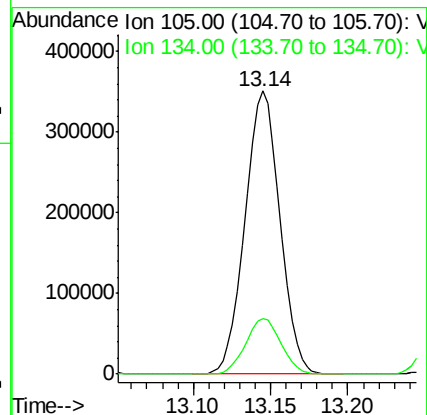
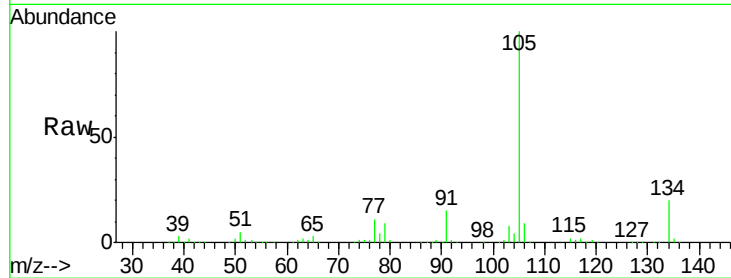
134 20.0 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 54.661 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

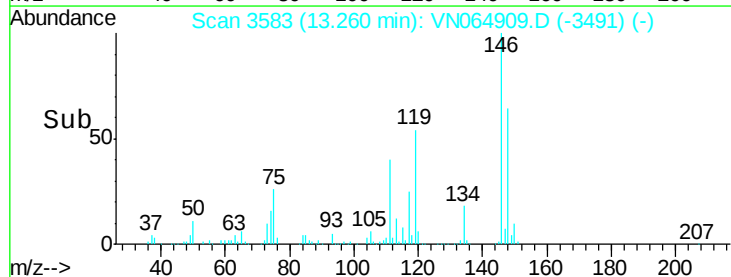
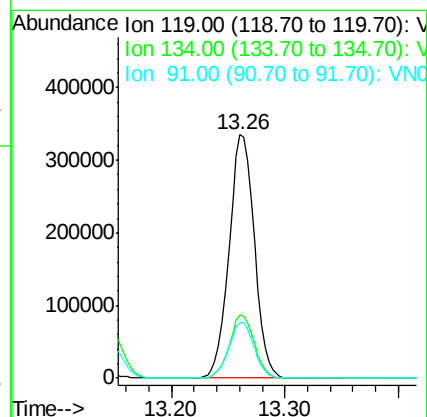
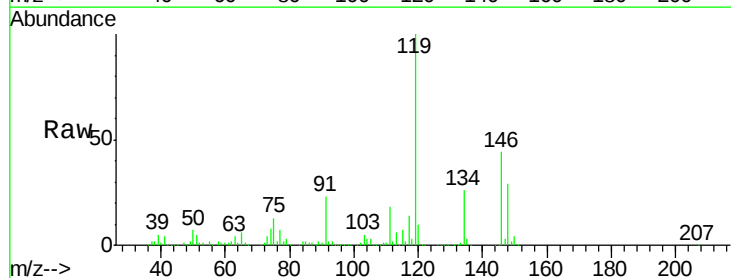
Tgt Ion:119 Resp: 519783

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.1

91 23.0 11.5 34.5





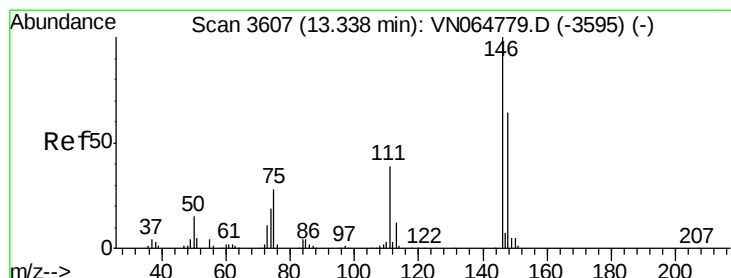
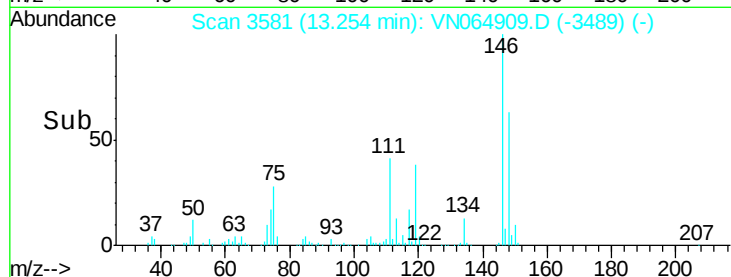
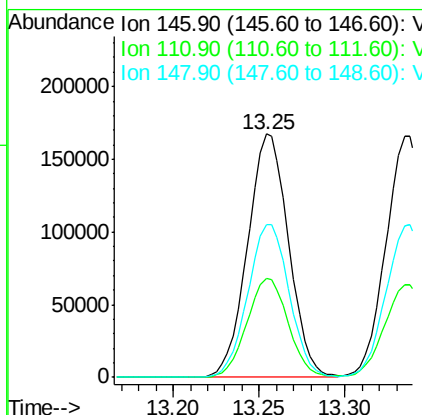
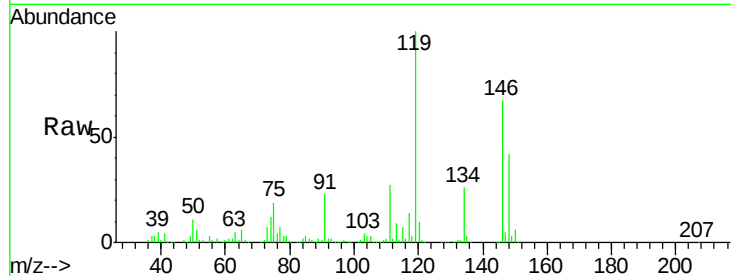
#87
 1,3-Dichlorobenzene
 Concen: 51.171 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.9
148	63.4	31.9	95.5

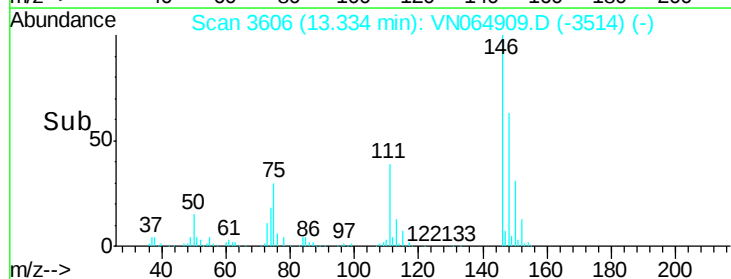
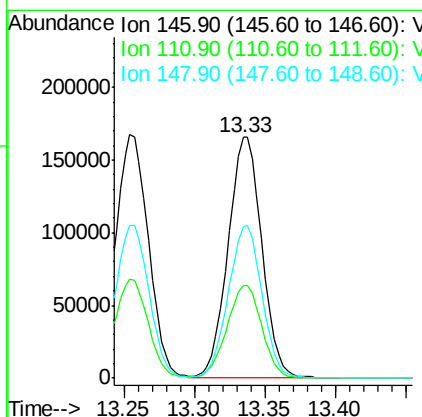
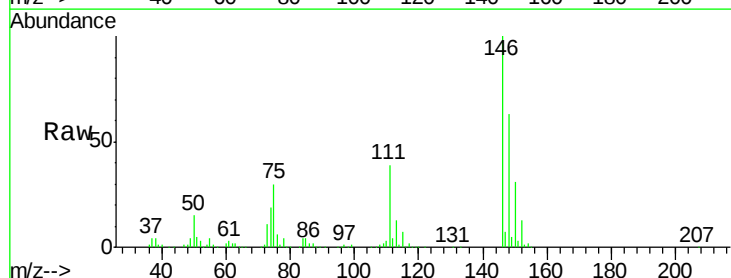
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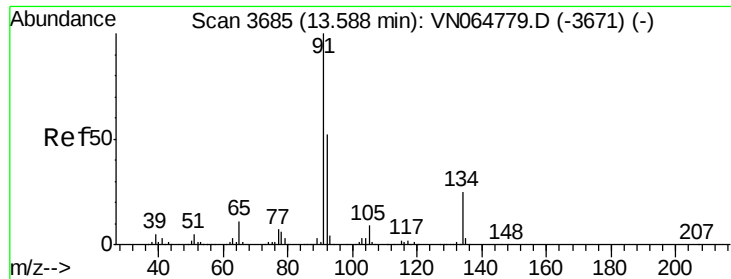
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#88
 1,4-Dichlorobenzene
 Concen: 48.470 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	63.8	31.9	95.5





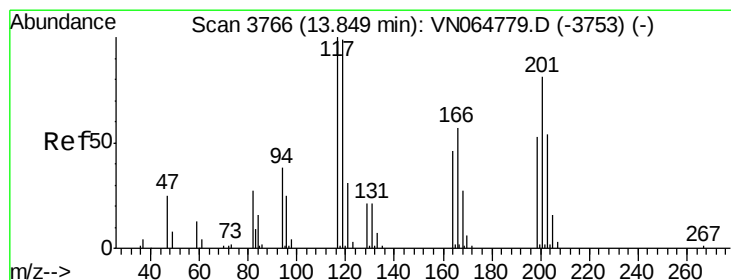
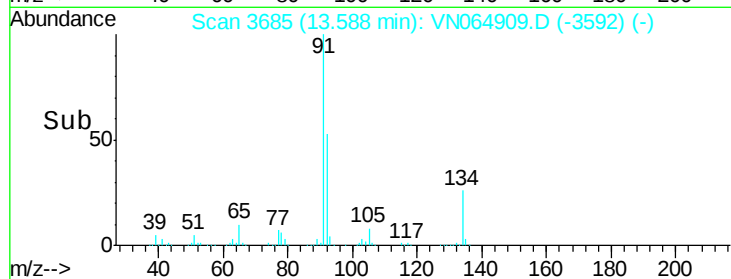
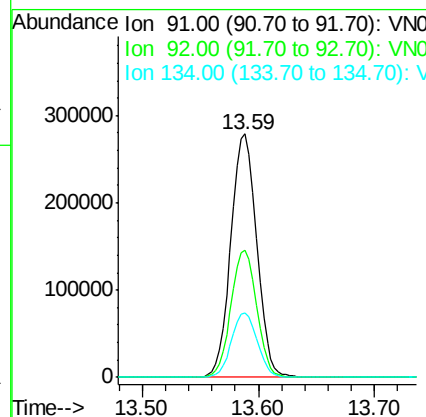
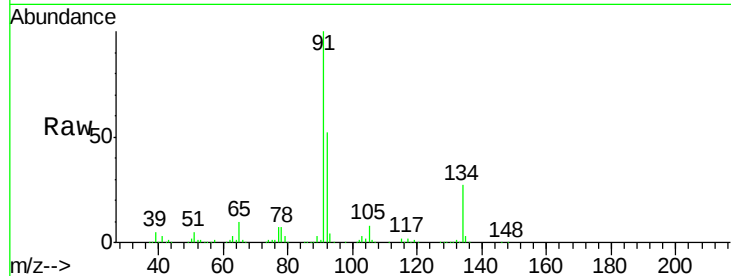
#89
n-Butylbenzene
Concen: 51.765 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	26.4	12.9	38.6

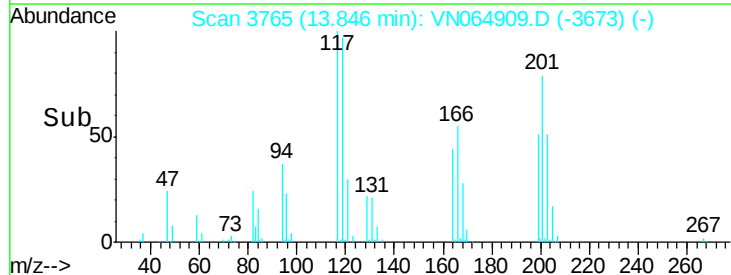
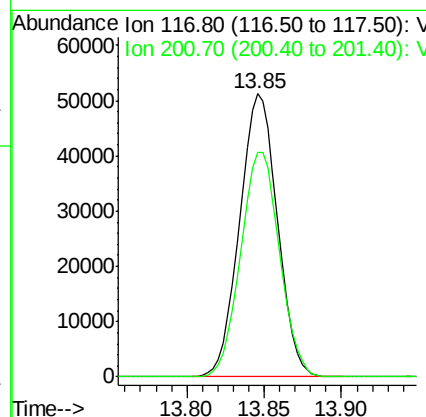
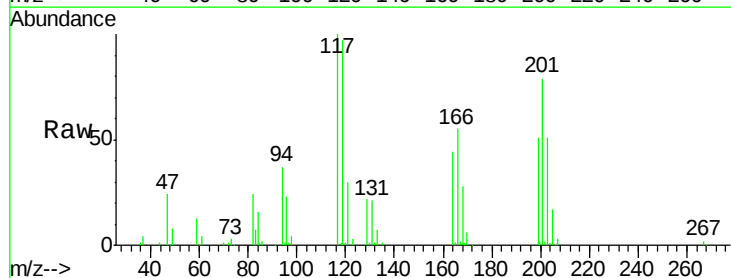
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#90
Hexachloroethane
Concen: 52.578 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	40.1	120.3





#91

1,2-Dichlorobenzene

Concen: 50.788 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

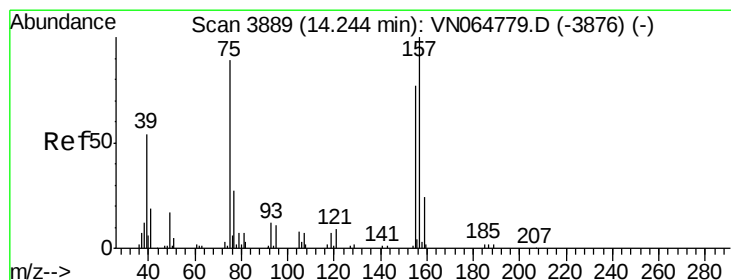
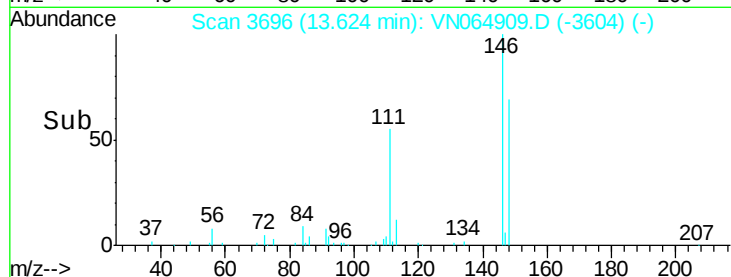
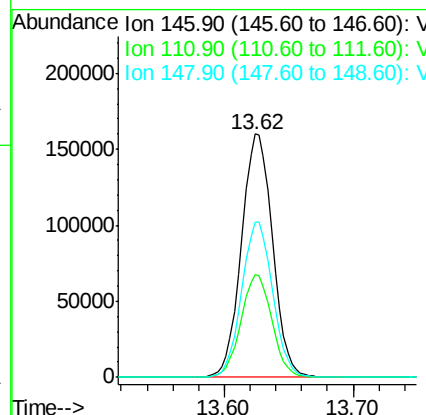
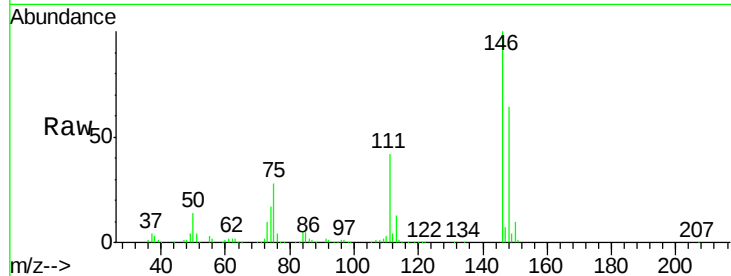
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	269702
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.1	63.1
148	63.4	32.0	96.2

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12/7/2020 10:45:21 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.914 ug/l

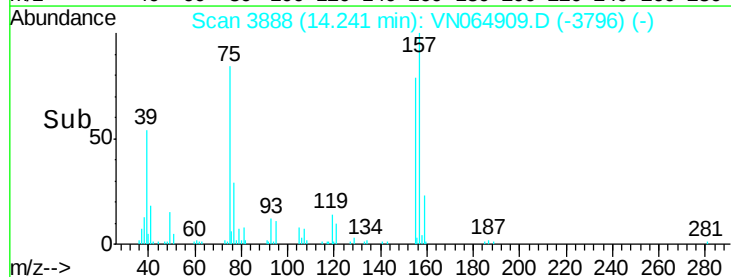
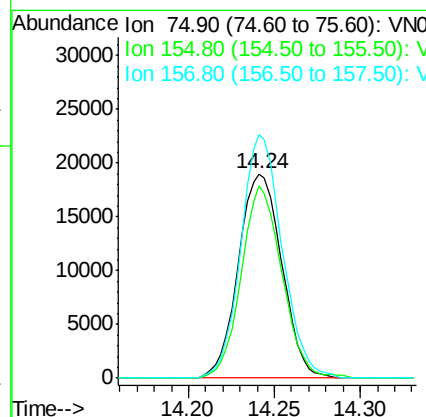
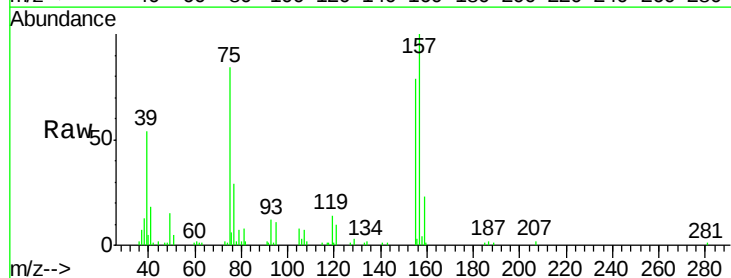
RT: 14.24 min Scan# 3888

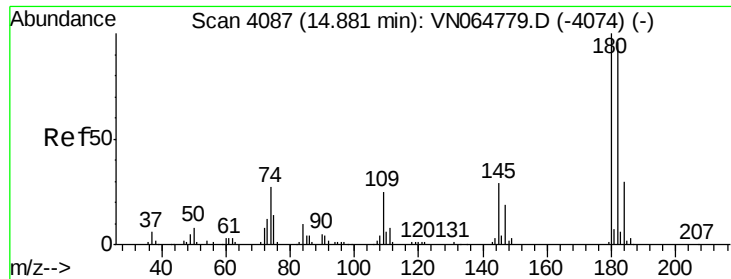
Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Tgt Ion:	75	Resp:	33446
Ion Ratio	Lower	Upper	
75	100		
155	88.1	42.8	128.3
157	113.3	56.4	169.1





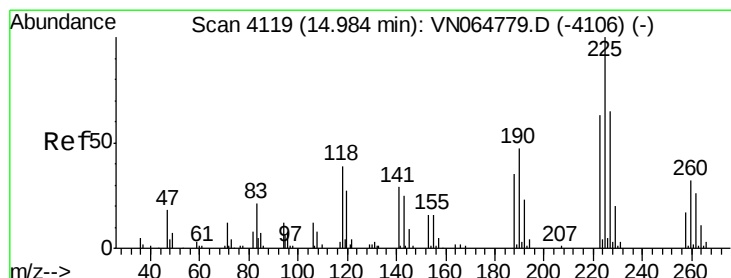
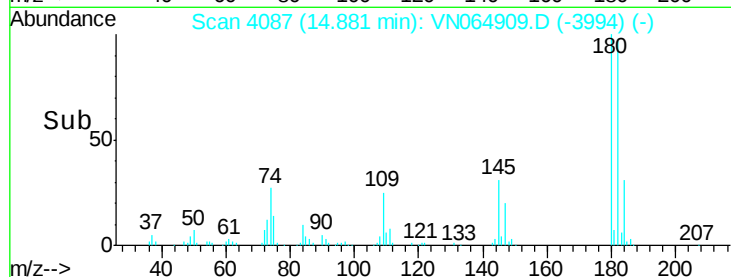
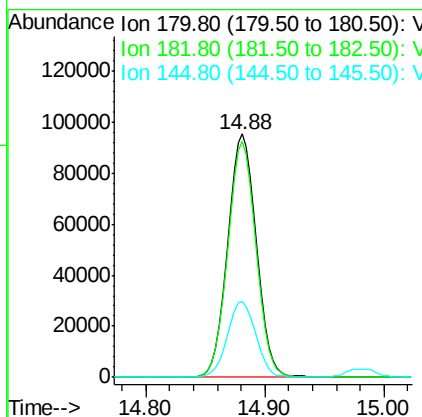
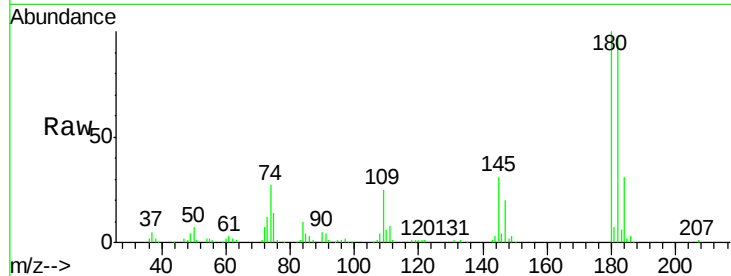
#93
 1,2,4-Trichlorobenzene
 Concen: 48.279 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	158598		
182	95.6	47.6	142.9	
145	31.1	15.3	45.8	

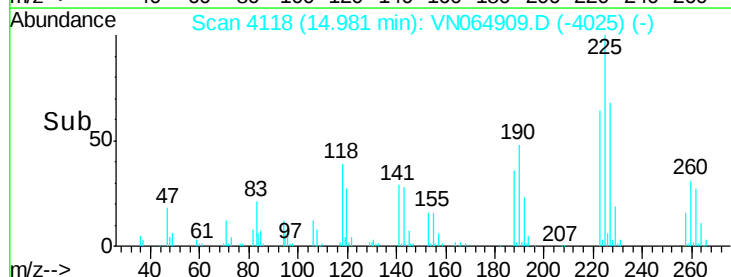
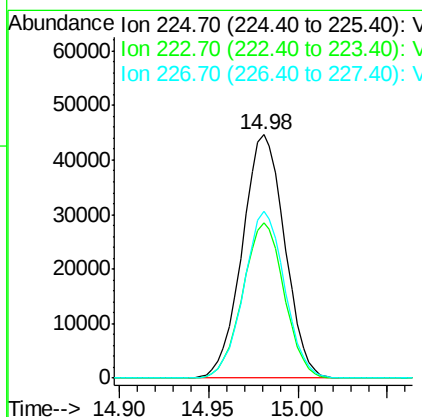
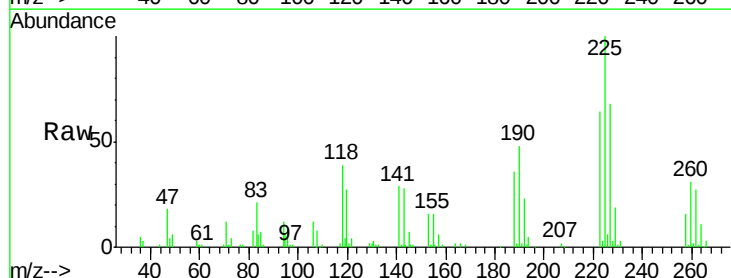
Manual Integrations
 APPROVED

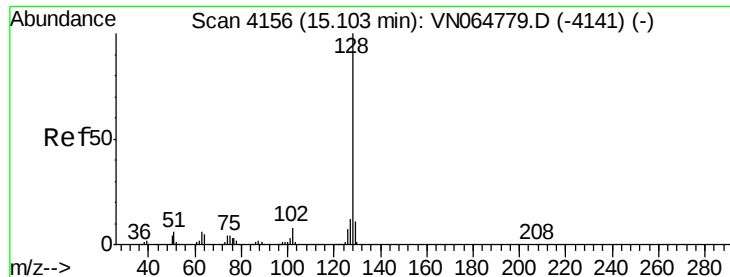
MMDadoda
 12/7/2020 10:45:21 AM



#94
 Hexachlorobutadiene
 Concen: 50.124 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74150		
223	62.1	31.0	93.0	
227	66.0	32.0	96.0	





#95

Naphthalene

Concen: 47.331 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

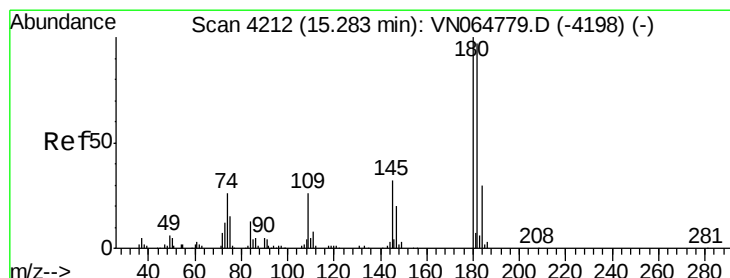
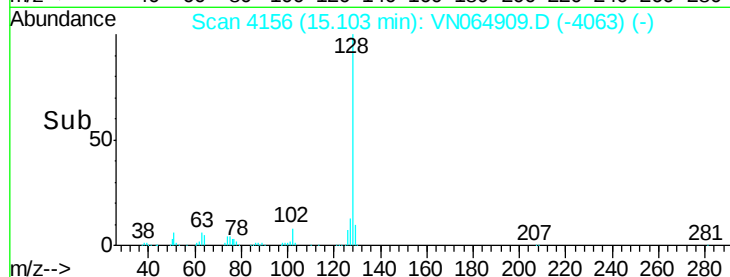
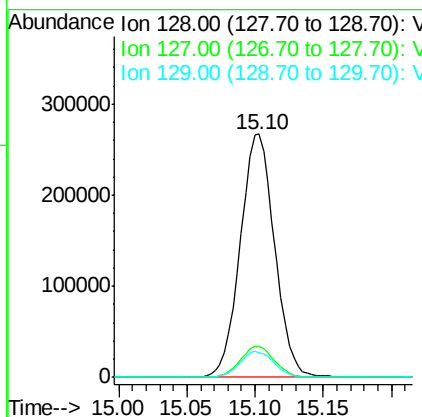
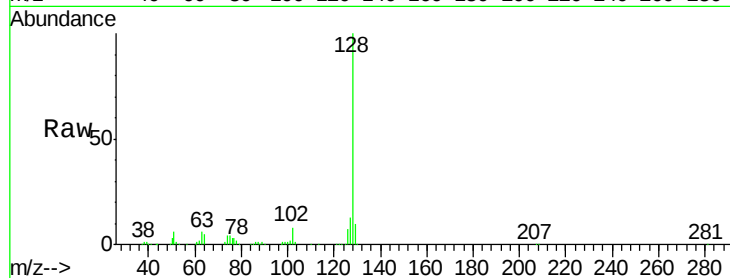
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	465810
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/7/2020 10:45:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.534 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Tgt Ion:	180	Resp:	148173
Ion Ratio	Lower	Upper	
180	100		
182	98.4	48.1	144.4
145	32.8	16.4	49.1

