

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\
 Data File : VN064570.D
 Acq On : 11 Nov 2020 21:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 9:13:18 AM

Quant Time: Nov 12 03:12:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	290612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	537775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	503282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	241569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	253196	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	7.55	113	175939	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	10.06	98	672681	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
62) 4-Bromofluorobenzene	12.38	95	252713	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	181092	47.870	ug/l	98
3) Chloromethane	2.04	50	211516	46.032	ug/l	98
4) Vinyl Chloride	2.17	62	230682	48.887	ug/l	98
5) Bromomethane	2.53	94	149945	49.742	ug/l	95
6) Chloroethane	2.67	64	157526	52.142	ug/l	95
7) Trichlorofluoromethane	2.99	101	365842	52.653	ug/l	96
8) Diethyl Ether	3.37	74	130756	53.290	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	160676	48.697	ug/l	100
10) Methyl Iodide	3.90	142	208323	54.337	ug/l	99
11) Tert butyl alcohol	4.75	59	147642	264.480	ug/l	99
12) 1,1-Dichloroethene	3.69	96	157757	50.758	ug/l	93
13) Acrolein	3.57	56	120474	347.923	ug/l	97
14) Allyl chloride	4.27	41	293527	48.278	ug/l	98
15) Acrylonitrile	4.94	53	450364	289.774	ug/l	99
16) Acetone	3.78	43	409022	212.125	ug/l	99
17) Carbon Disulfide	4.00	76	452523	48.687	ug/l	100
18) Methyl Acetate	4.29	43	228635	60.313	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	573198	51.242	ug/l	100
20) Methylene Chloride	4.50	84	192352	50.279	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	178396	50.553	ug/l	95
22) Diisopropyl ether	5.91	45	662373	51.323	ug/l	98
23) Vinyl Acetate	5.85	43	2719223	258.996	ug/l	98
24) 1,1-Dichloroethane	5.80	63	358314	50.524	ug/l	100
25) 2-Butanone	6.79	43	626734	255.100	ug/l	98
26) 2,2-Dichloropropane	6.78	77	270445	42.126	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	204340	49.971	ug/l	96
28) Bromochloromethane	7.15	49	177132	50.813	ug/l	97
29) Tetrahydrofuran	7.17	42	416809	276.524	ug/l	100
30) Chloroform	7.33	83	388636	52.133	ug/l	98
31) Cyclohexane	7.61	56	279438	45.412	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	342745	51.837	ug/l	98
36) 1,1-Dichloropropene	7.76	75	270531	47.619	ug/l	98
37) Ethyl Acetate	6.89	43	267171	46.391	ug/l	98
38) Carbon Tetrachloride	7.73	117	303361	49.962	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	238537	46.838	ug/l	97
40) Benzene	8.00	78	808403	48.424	ug/l	100
41) Methacrylonitrile	7.13	41	110018	43.680	ug/l	92
42) 1,2-Dichloroethane	8.09	62	333669	49.527	ug/l	98
43) Isopropyl Acetate	8.13	43	461697	50.147	ug/l	100
44) Trichloroethene	8.80	130	199319	47.322	ug/l	97
45) 1,2-Dichloropropane	9.09	63	219141	49.196	ug/l	95
46) Dibromomethane	9.18	93	153270	52.269	ug/l	98
47) Bromodichloromethane	9.37	83	322917	51.216	ug/l	99
48) Methyl methacrylate	9.17	41	243821	52.482	ug/l	98
49) 1,4-Dioxane	9.17	88	66820	1091.972	ug/l	98
51) 4-Methyl-2-Pentanone	9.96	43	1448992	269.871	ug/l	99
52) Toluene	10.13	92	514558	50.535	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	330644	49.465	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	342276	47.892	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	206789	52.075	ug/l	99
56) Ethyl methacrylate	10.40	69	296321	45.526	ug/l	98
57) 1,3-Dichloropropane	10.68	76	349322	50.398	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	787193	254.559	ug/l	97
59) 2-Hexanone	10.72	43	1057404	241.649	ug/l	100
60) Dibromochloromethane	10.87	129	240470	54.088	ug/l	99
61) 1,2-Dibromoethane	10.98	107	212529	52.765	ug/l	99
64) Tetrachloroethene	10.60	164	186699	48.158	ug/l	98
65) Chlorobenzene	11.41	112	540867	49.022	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	211293	51.334	ug/l	97
67) Ethyl Benzene	11.49	91	978553	49.863	ug/l	99
68) m/p-Xylenes	11.60	106	738108	103.708	ug/l	99
69) o-Xylene	11.92	106	345208	50.194	ug/l	98
70) Styrene	11.94	104	610164	52.724	ug/l	99
71) Bromoform	12.10	173	157297	50.873	ug/l #	100
73) Isopropylbenzene	12.23	105	921923	48.015	ug/l	100
74) N-amyl acetate	12.05	43	419318	45.149	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	296925	50.347	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	284832m	48.664	ug/l	
77) Bromobenzene	12.50	156	225948	48.200	ug/l	98
78) n-propylbenzene	12.57	91	1070532	48.905	ug/l	100
79) 2-Chlorotoluene	12.65	91	669421	48.216	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	785961	49.619	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	97733	46.622	ug/l	98
82) 4-Chlorotoluene	12.75	91	714066	49.111	ug/l	100
83) tert-Butylbenzene	12.97	119	615086	49.719	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	798328	50.135	ug/l	99
85) sec-Butylbenzene	13.15	105	811239	51.777	ug/l	100
86) p-Isopropyltoluene	13.26	119	726980	51.585	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	399537	49.305	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	398757	47.617	ug/l	98
89) n-Butylbenzene	13.59	91	595835	49.173	ug/l	99
90) Hexachloroethane	13.85	117	141341	51.990	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	393621	50.499	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	63318	53.925	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	172136	44.705	ug/l	99
94) Hexachlorobutadiene	14.98	225	83068	52.343	ug/l	99
95) Naphthalene	15.11	128	562788	43.022	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	176985	47.350	ug/l	98

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

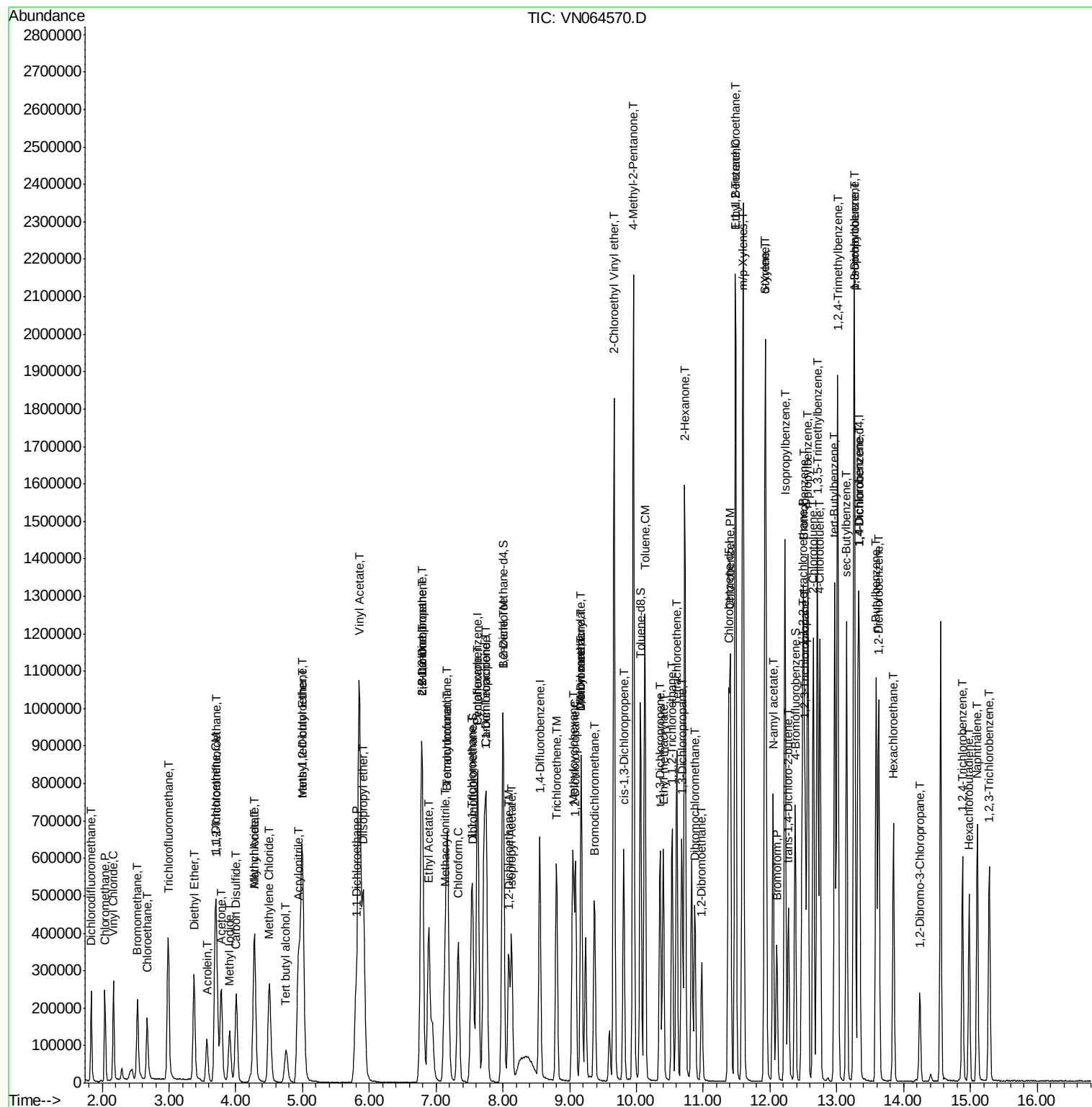
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111120\
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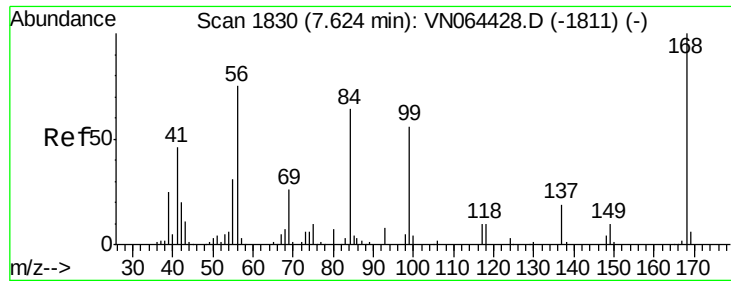
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 290612

Ion Ratio Lower Upper

168 100

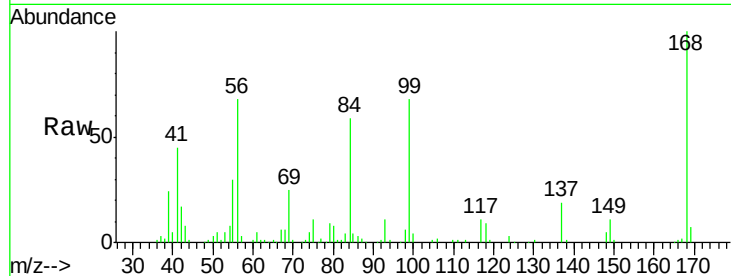
99 67.2 53.4 80.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

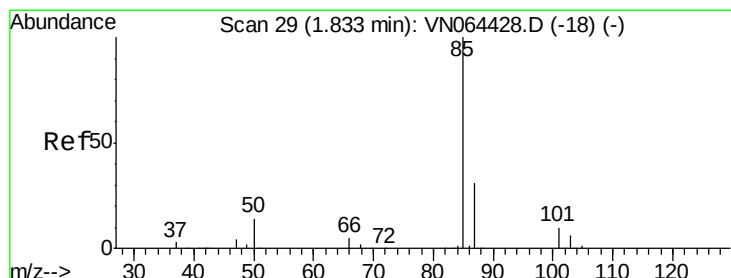
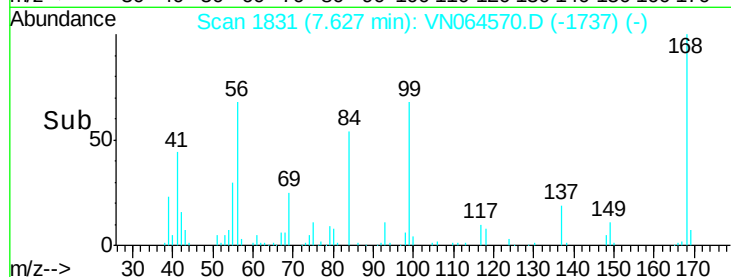
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 47.870 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064570.D

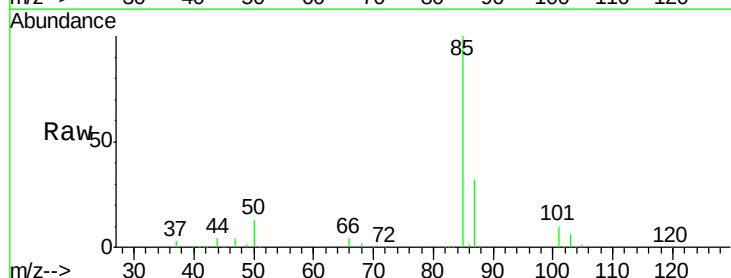
Acq: 11 Nov 2020 21:16

Tgt Ion: 85 Resp: 181092

Ion Ratio Lower Upper

85 100

87 32.5 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

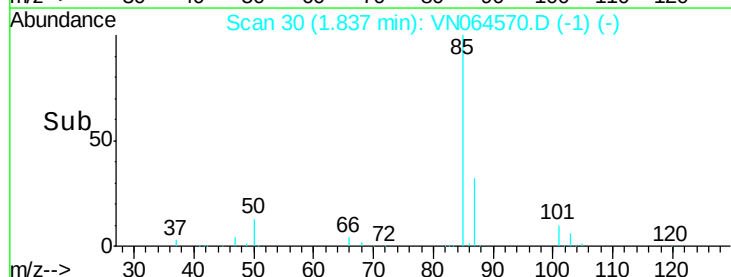
150000

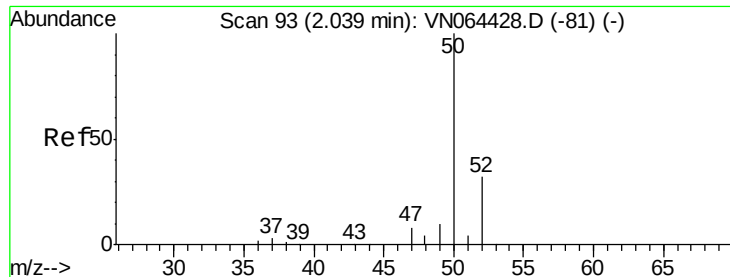
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 46.032 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 211516

Ion Ratio Lower Upper

50 100

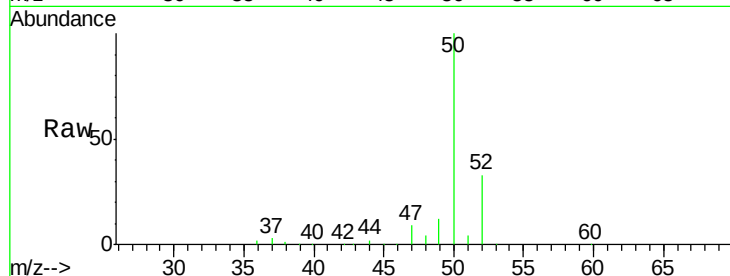
52 32.5 25.3 37.9

Manual Integrations

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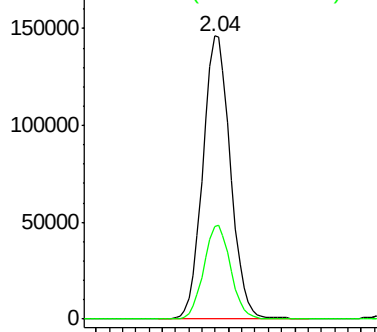
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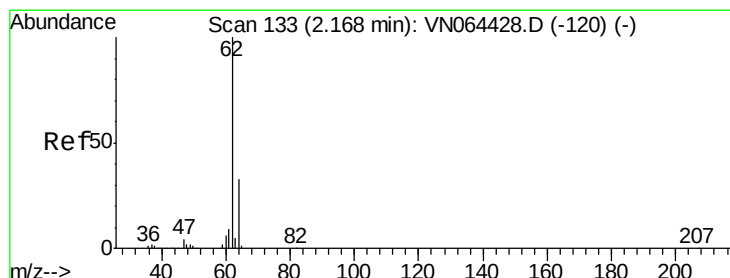
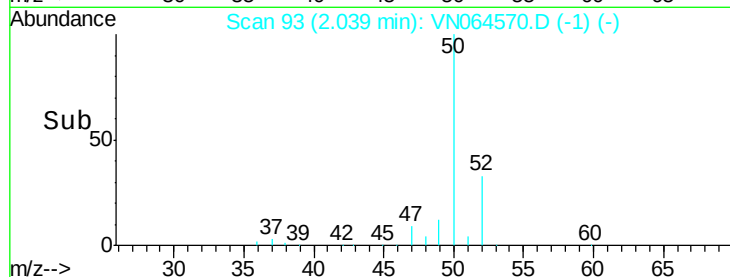


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 48.887 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064570.D

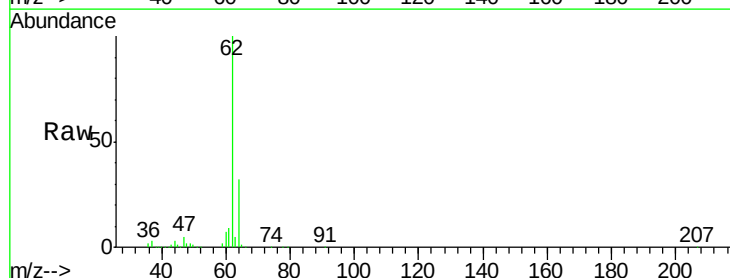
Acq: 11 Nov 2020 21:16

Tgt Ion: 62 Resp: 230682

Ion Ratio Lower Upper

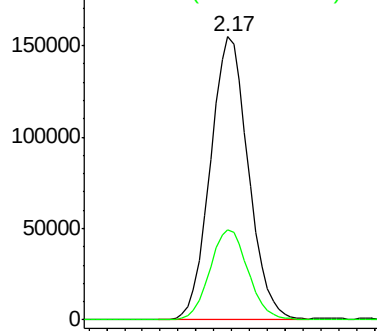
62 100

64 32.0 26.3 39.5

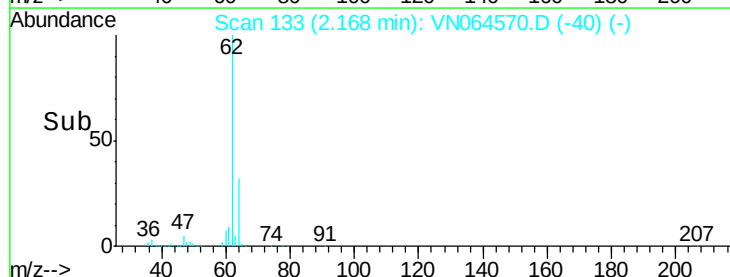


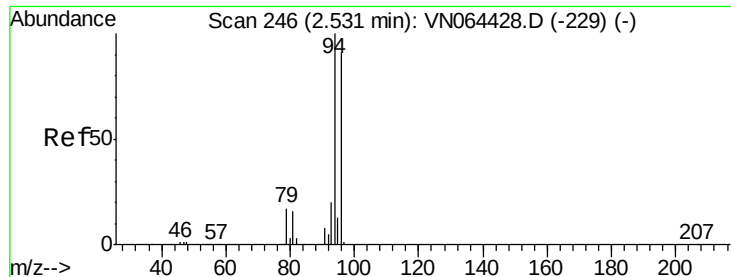
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time--> 2.10 2.15 2.20





#5

Bromomethane

Concen: 49.742 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

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Tot Ion: 94 Resp: 149945

Ion Ratio Lower Upper

94 100

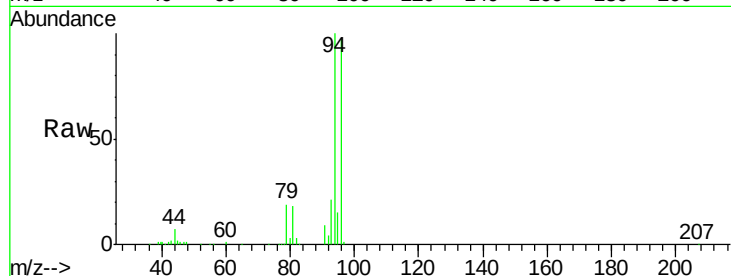
96 96.5 73.1 109.7

Manual Integrations

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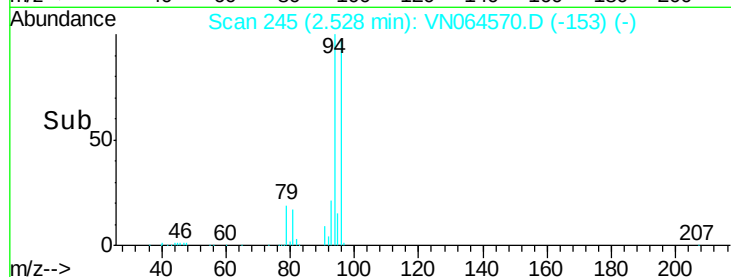


Abundance Ion 93.90 (93.60 to 94.60): VN0

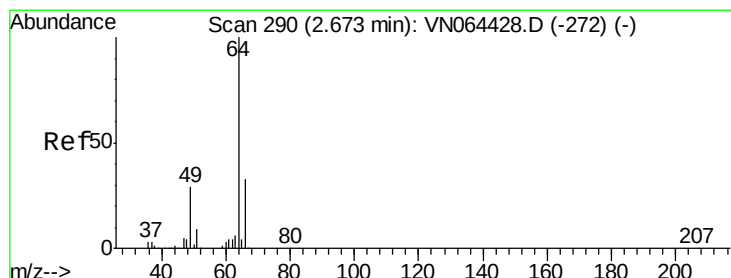
Ion 95.90 (95.60 to 96.60): VN0

2.53

Time-->



Time-->



#6

Chloroethane

Concen: 52.142 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064570.D

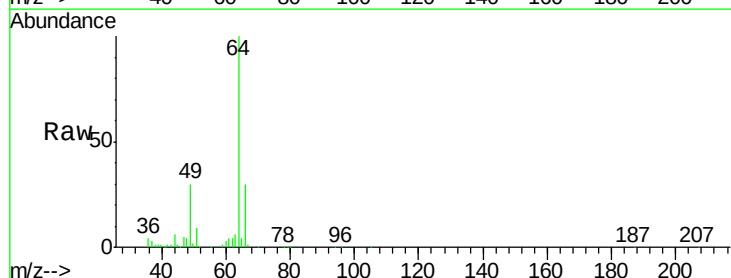
Acq: 11 Nov 2020 21:16

Tgt Ion: 64 Resp: 157526

Ion Ratio Lower Upper

64 100

66 29.8 26.1 39.1

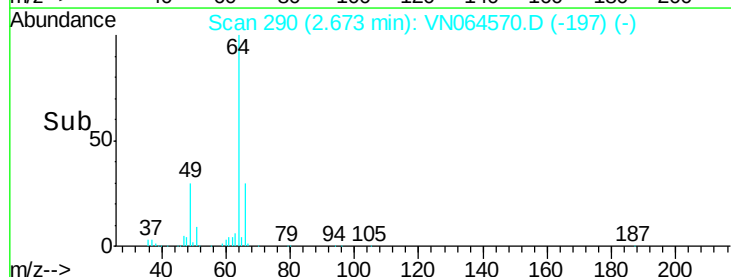


Abundance Ion 63.90 (63.60 to 64.60): VN0

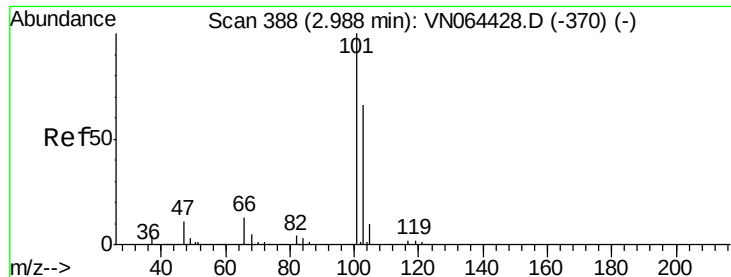
Ion 65.90 (65.60 to 66.60): VN0

2.67

Time-->



Time-->



#7

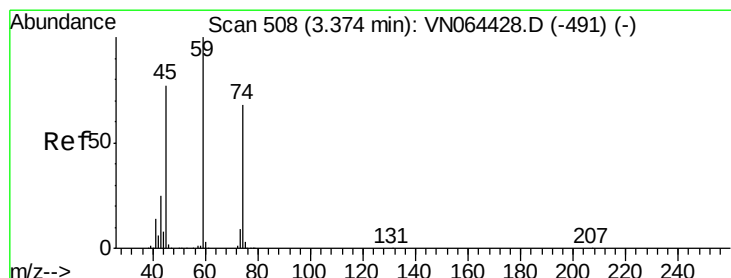
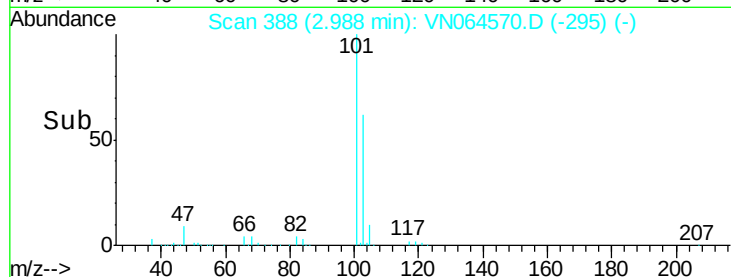
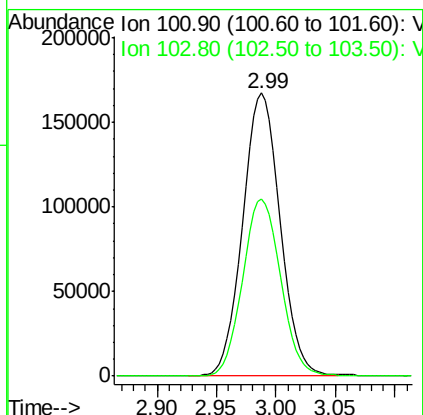
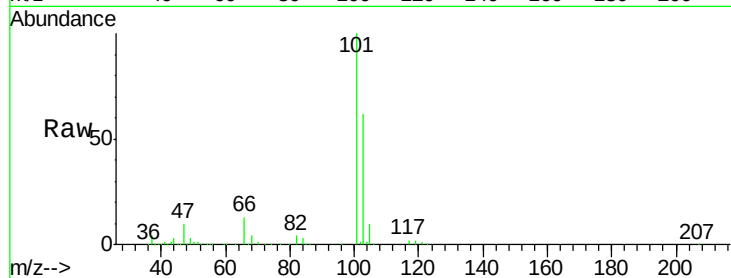
Trichlorofluoromethane
Concen: 52.653 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.4	78.6

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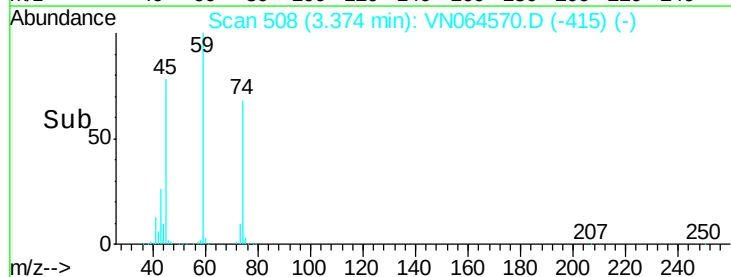
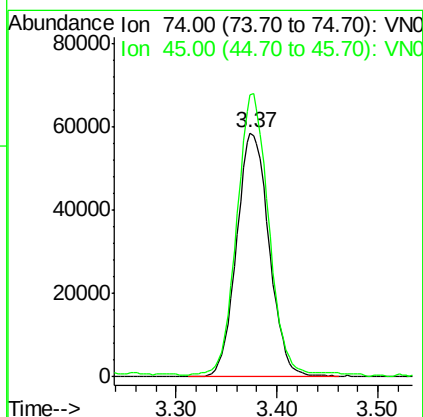
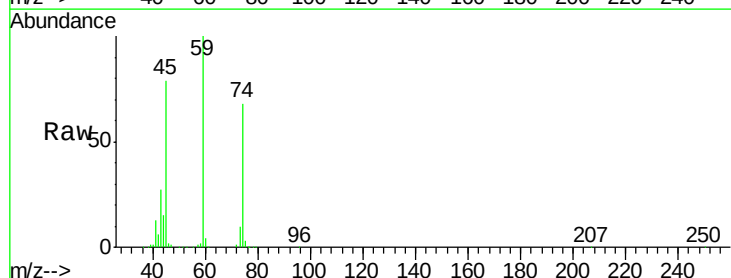
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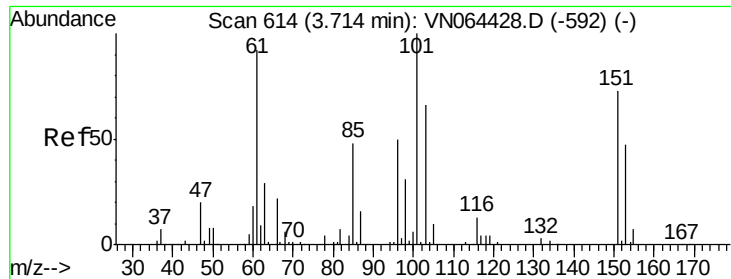


#8

Diethyl Ether
Concen: 53.290 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.6	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.697 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064570.D

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MSVOA_N

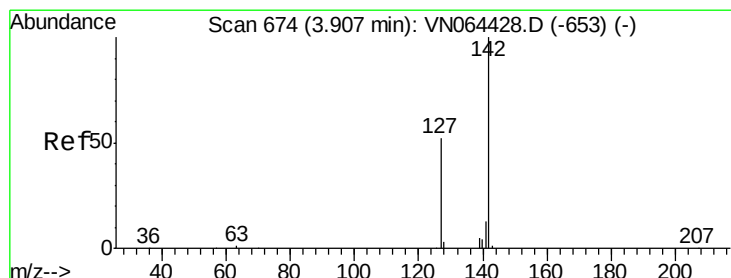
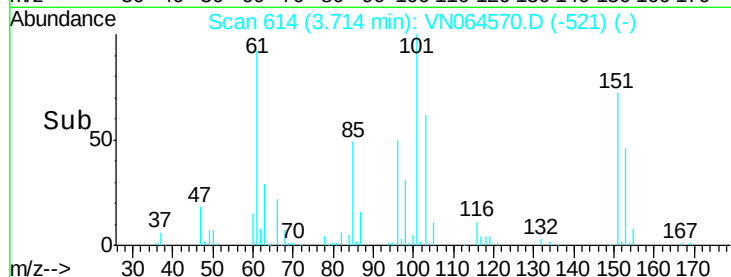
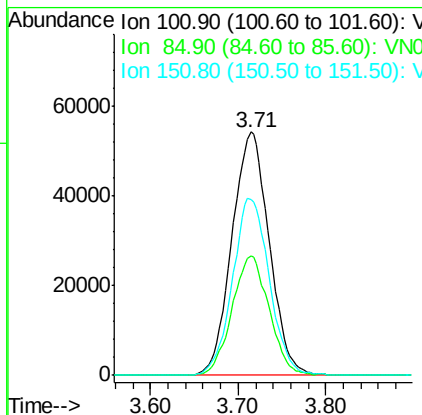
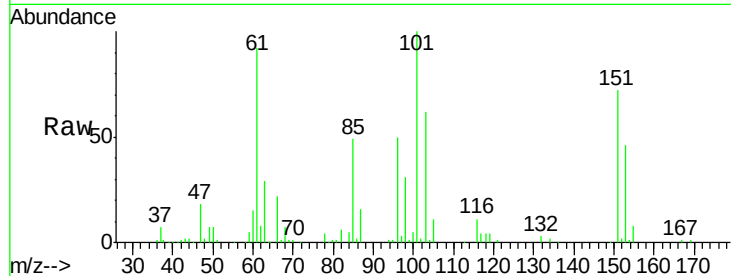
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	160676
Ion Ratio	Lower	Upper	
101	100		
85	48.7	38.6	57.8
151	71.8	57.5	86.3

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#10

Methyl Iodide

Concen: 54.337 ug/l

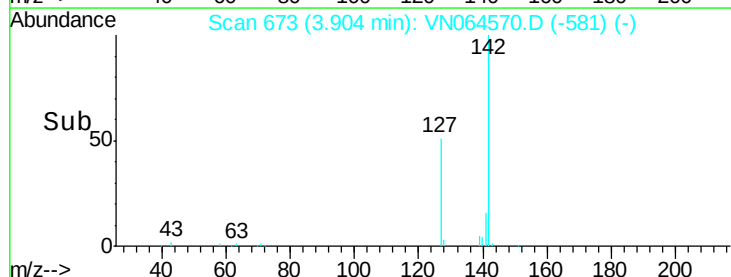
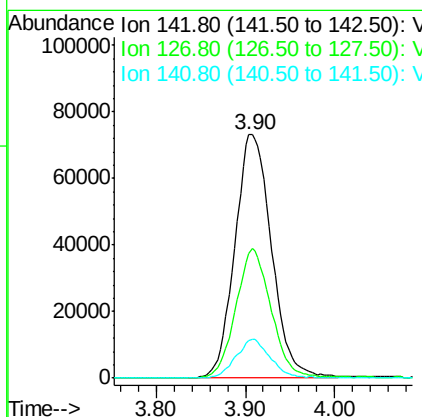
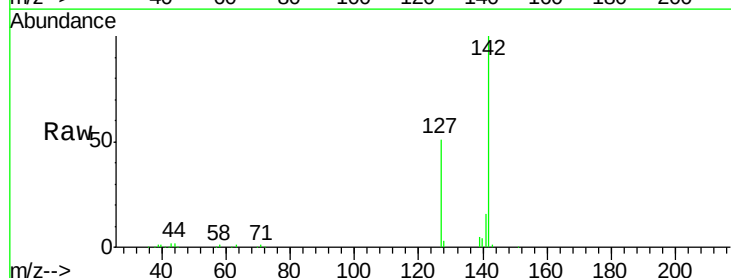
RT: 3.90 min Scan# 673

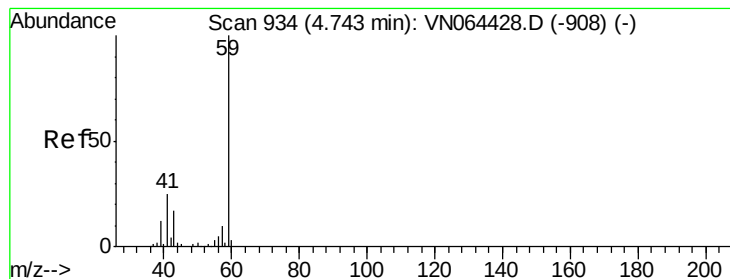
Delta R.T. -0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Tgt Ion:	142	Resp:	208323
Ion Ratio	Lower	Upper	
142	100		
127	51.3	41.8	62.8
141	15.0	11.4	17.2





#11

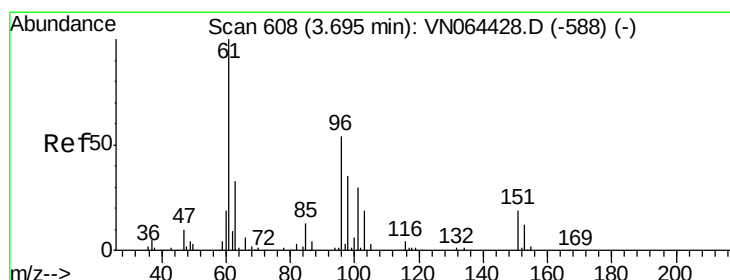
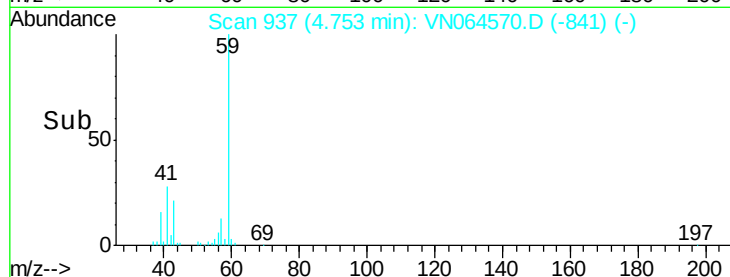
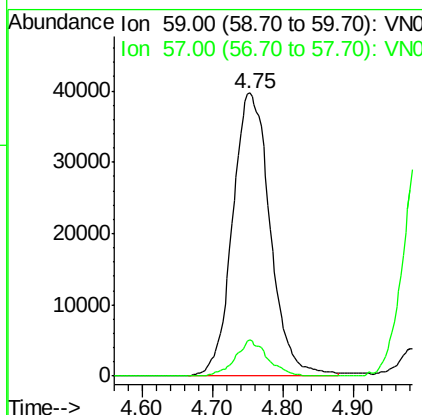
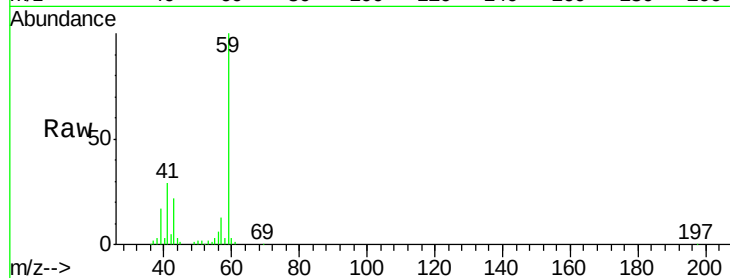
Tert butyl alcohol
Concen: 264.480 ug/l
RT: 4.75 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	147642
Ion Ratio	100	Lower	Upper
57	10.9	9.0	13.4

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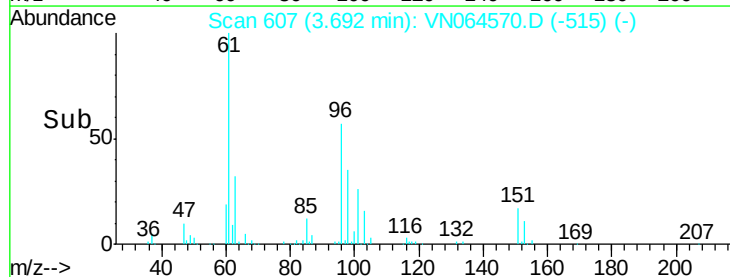
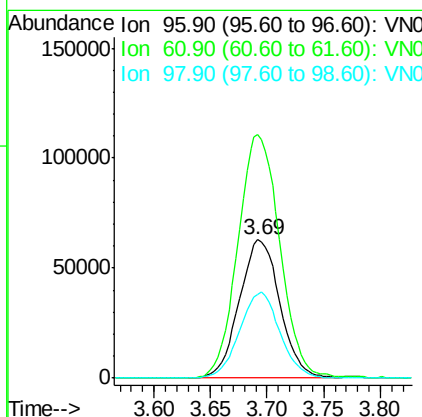
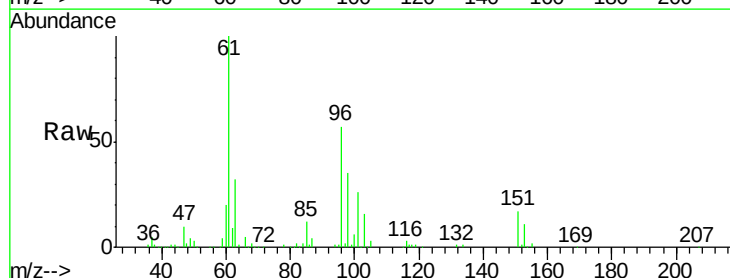
MMDadoda
11/12/2020 9:13:18 AM

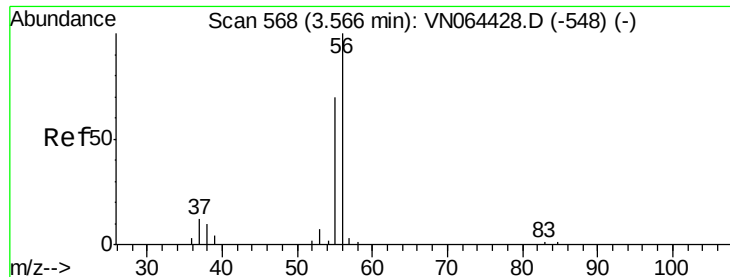


#12

1,1-Dichloroethene
Concen: 50.758 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	96	Resp	157757
Ion Ratio	100	Lower	Upper
61	176.3	149.5	224.3
98	61.0	52.4	78.6





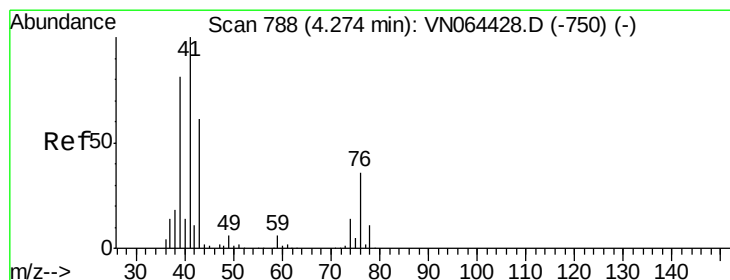
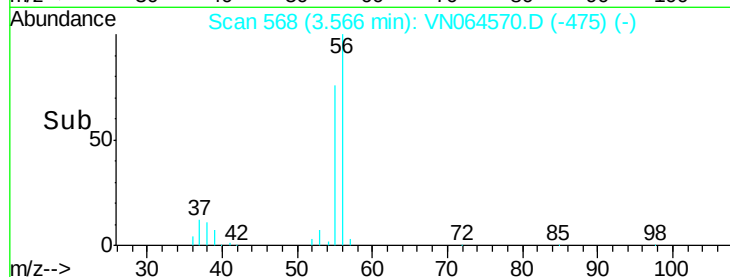
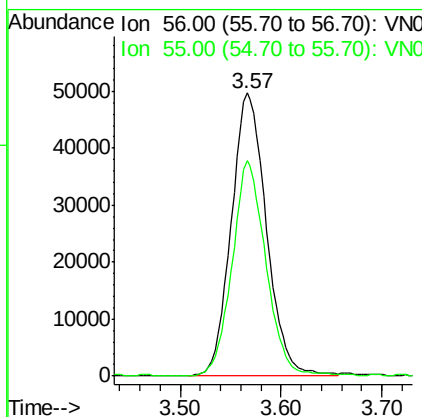
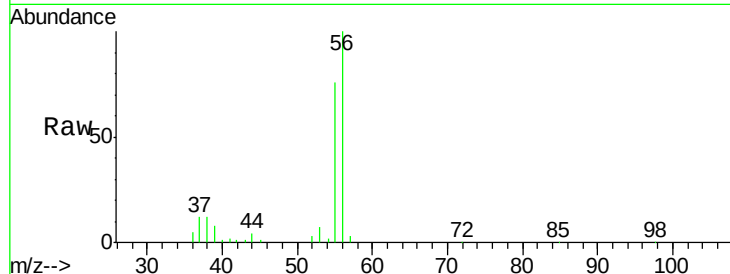
#13
Acrolein
Concen: 347.923 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	120474
Ion Ratio	100	Lower	Upper
55	72.7	55.9	83.9

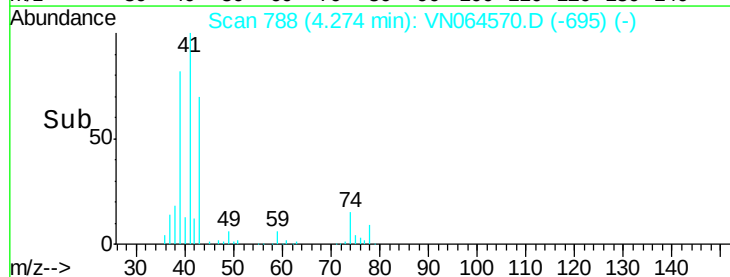
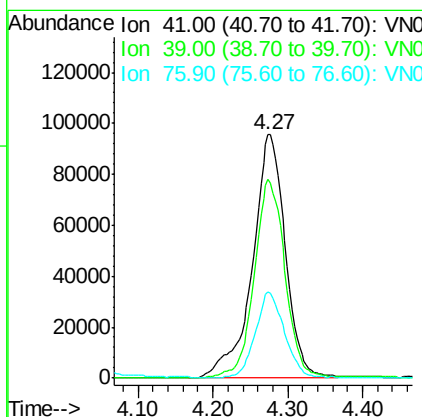
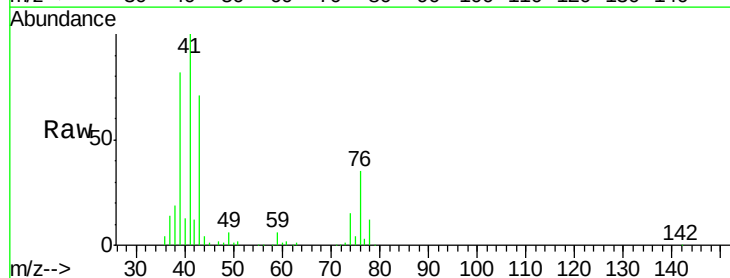
Manual Integrations
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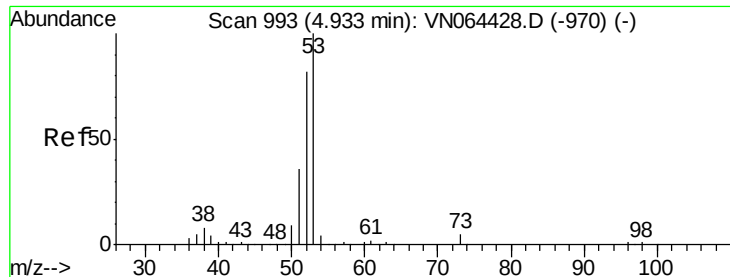
MMDadoda
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#14
Allyl chloride
Concen: 48.278 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	41	Resp	293527
Ion Ratio	100	Lower	Upper
39	75.5	61.8	92.8
76	30.6	25.4	38.0





#15

Acrylonitrile

Concen: 289.774 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

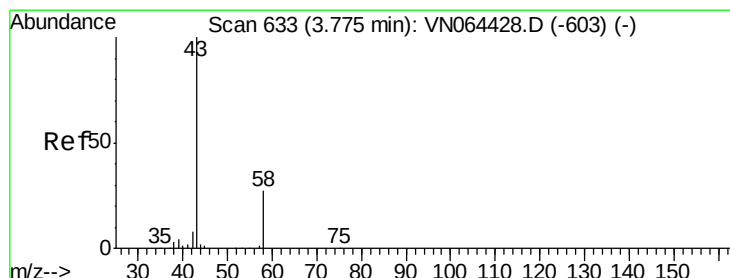
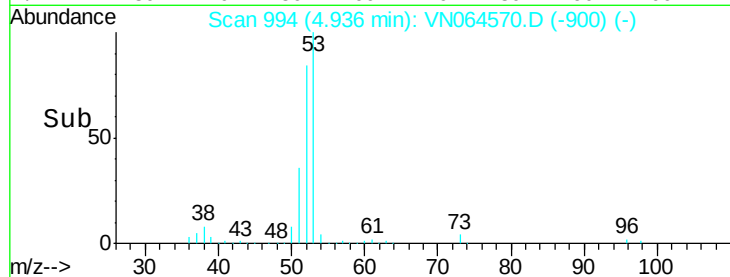
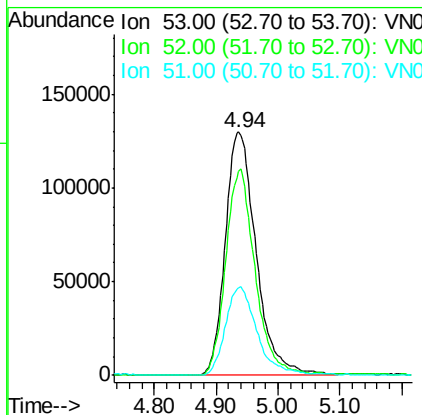
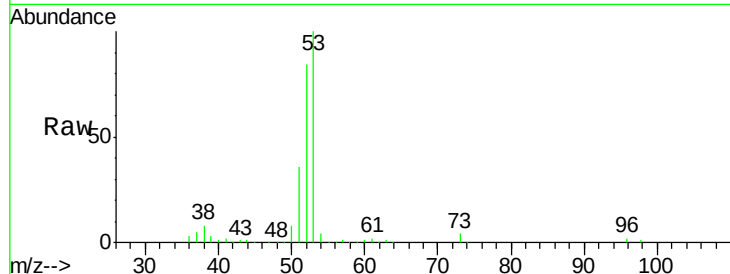
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	450364
Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.6	98.4
51	37.2	29.9	44.9

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#16

Acetone

Concen: 212.125 ug/l

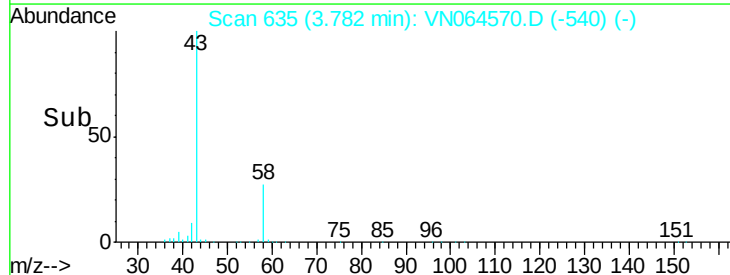
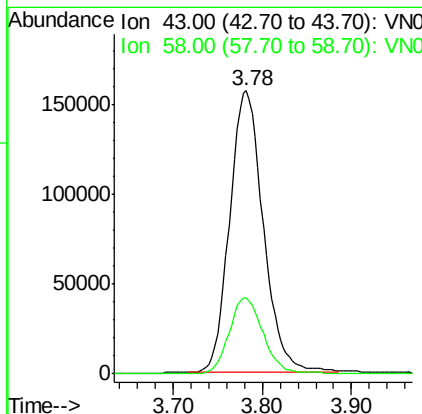
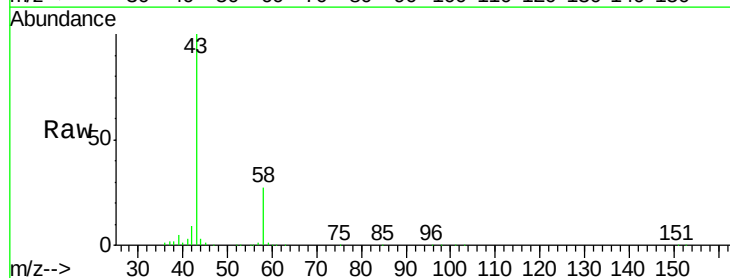
RT: 3.78 min Scan# 635

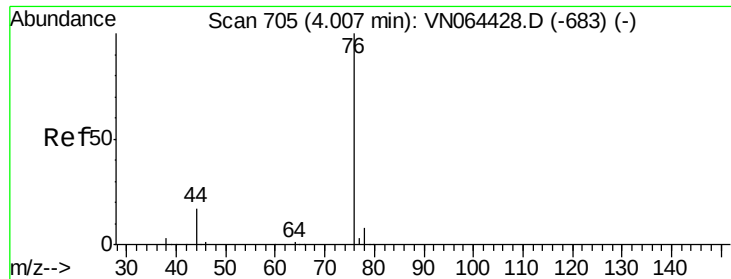
Delta R.T. 0.01 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Tgt Ion:	43	Resp:	409022
Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.4	32.0





#17

Carbon Disulfide

Concen: 48.687 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 452523

Ion Ratio Lower Upper

76 100

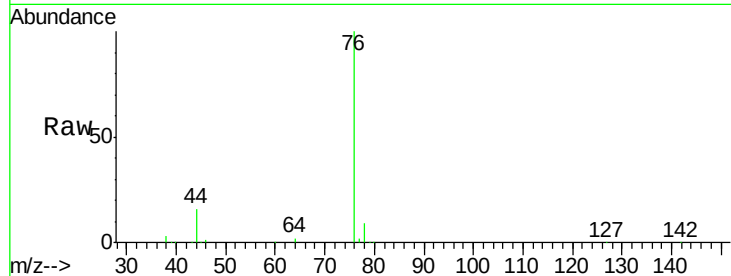
78 8.6 6.8 10.2

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.00

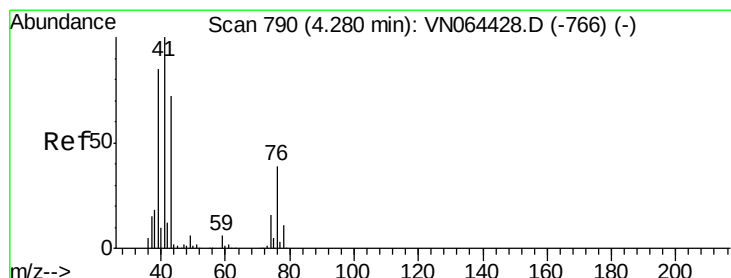
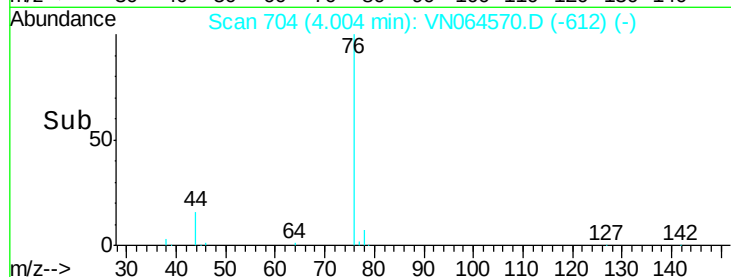
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 60.313 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN064570.D

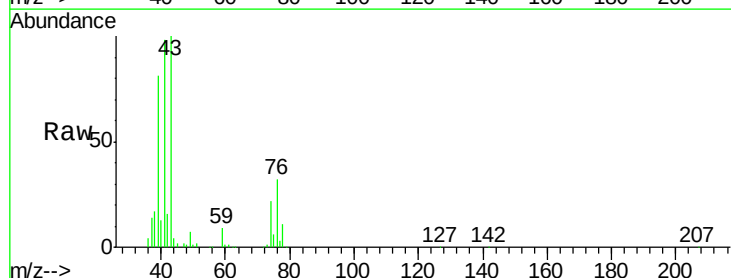
Acq: 11 Nov 2020 21:16

Tgt Ion: 43 Resp: 228635

Ion Ratio Lower Upper

43 100

74 21.8 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

80000

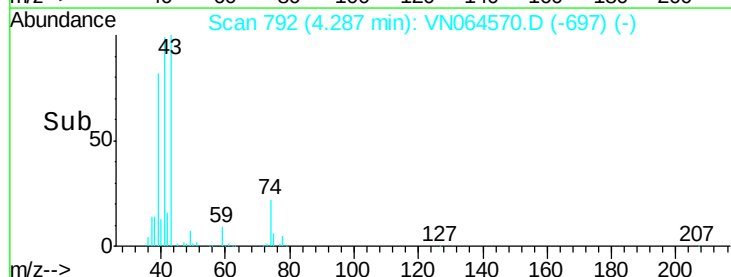
60000

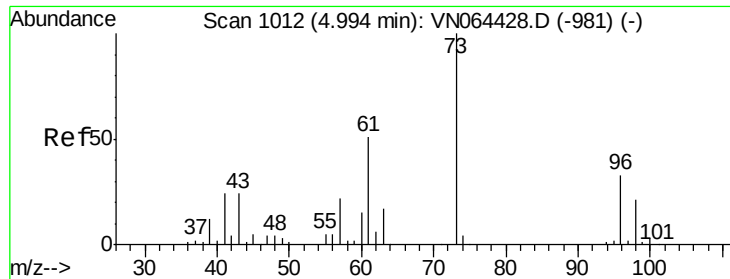
40000

20000

0

Time-->





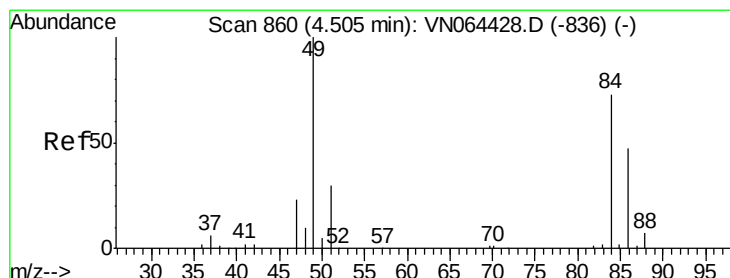
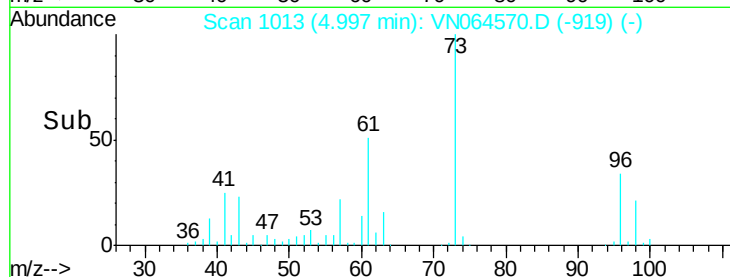
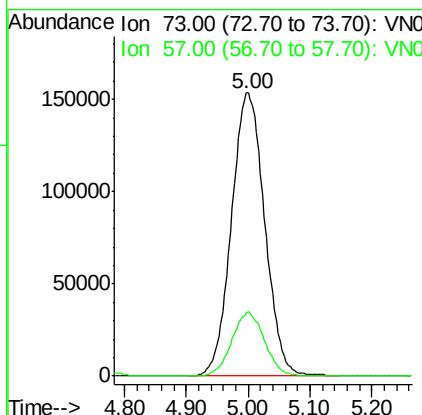
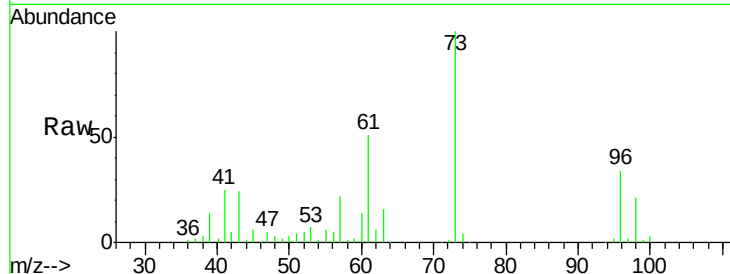
#19
Methyl tert-butyl Ether
Concen: 51.242 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 573198
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5

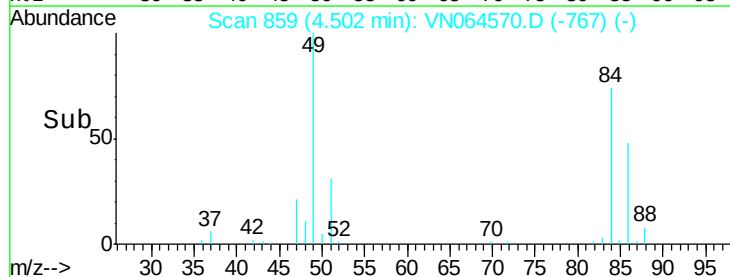
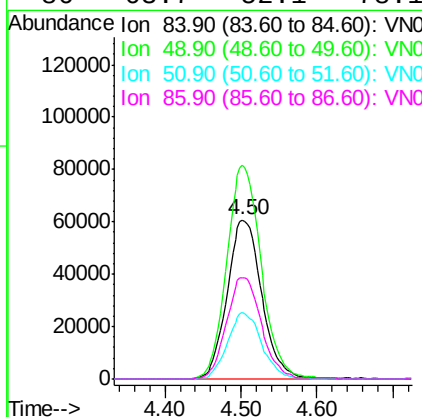
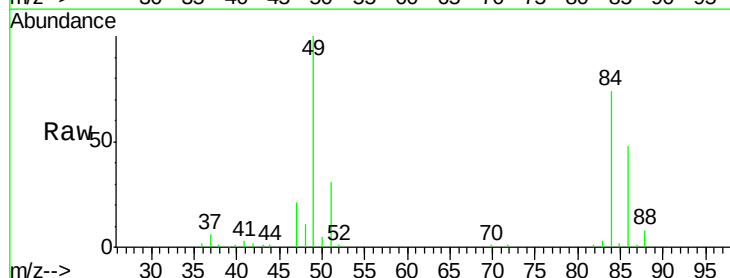
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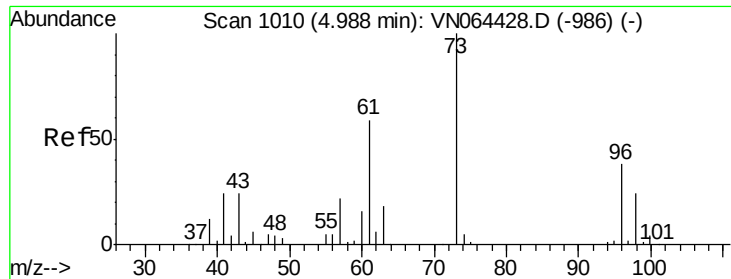
MMDadoda
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#20
Methylene Chloride
Concen: 50.279 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion: 84 Resp: 192352
Ion Ratio Lower Upper
84 100
49 134.5 110.1 165.1
51 42.2 33.6 50.4
86 63.7 52.1 78.1





#21

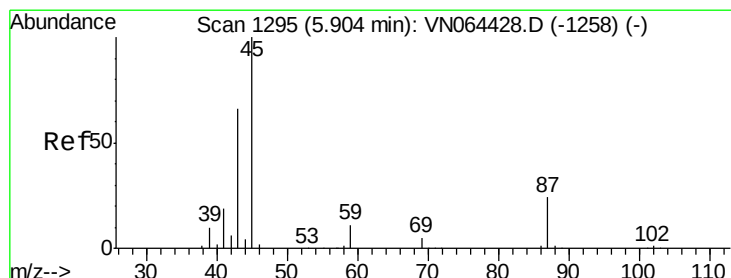
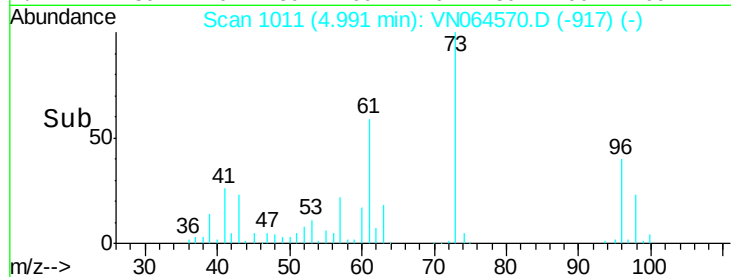
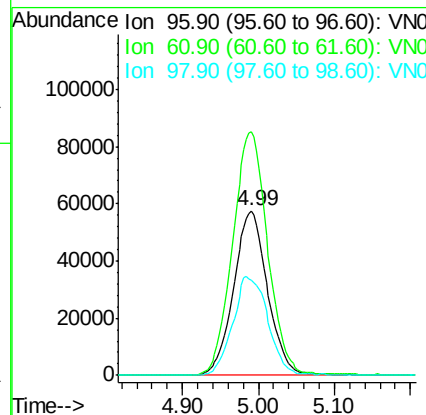
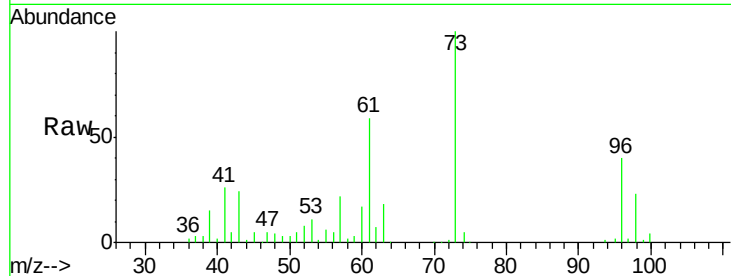
trans-1,2-Dichloroethene
Concen: 50.553 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.6	122.4	183.6
98	57.6	50.4	75.6

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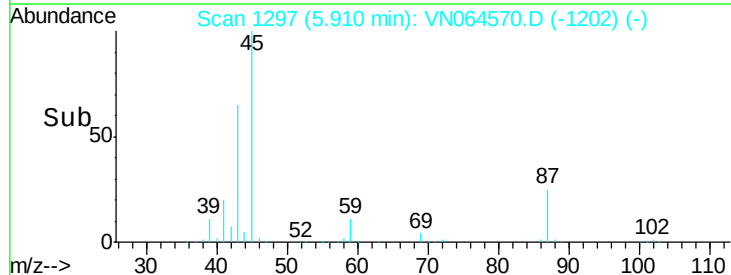
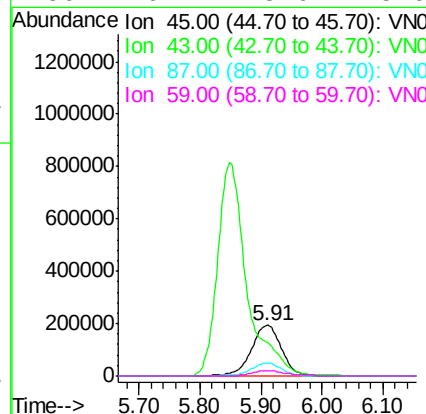
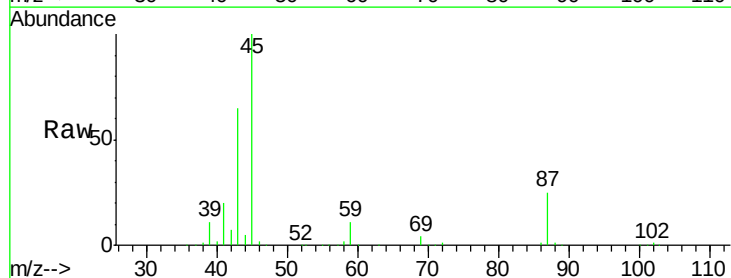
MMDadoda
11/12/2020 9:13:18 AM

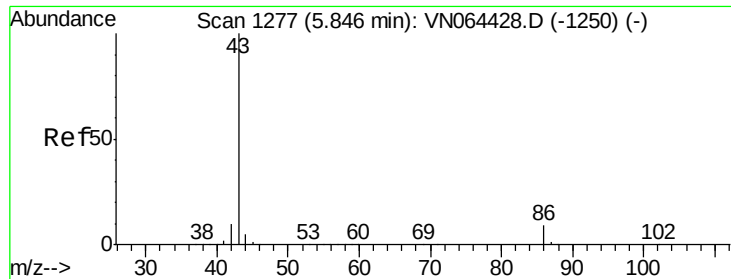


#22

Diisopropyl ether
Concen: 51.323 ug/l
RT: 5.91 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	53.2	79.8
87	25.0	19.9	29.9
59	10.7	8.6	13.0





#23

Vinyl Acetate

Concen: 258.996 ug/l

RT: 5.85 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2719223

Ion Ratio Lower Upper

43 100

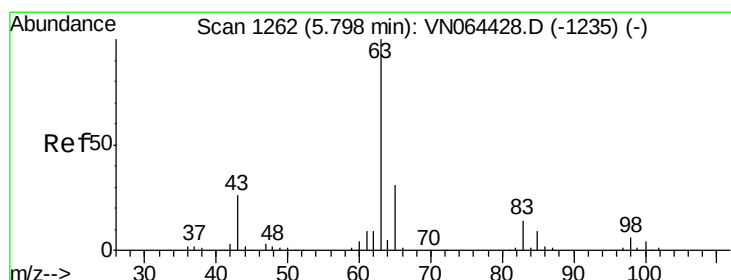
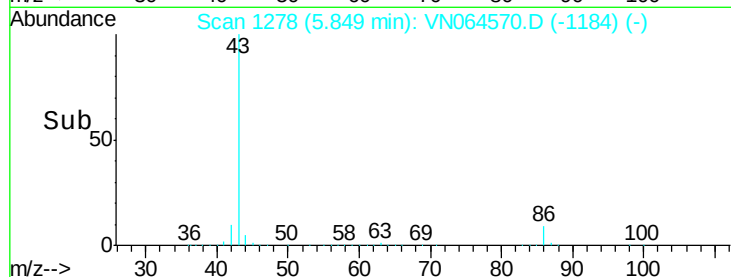
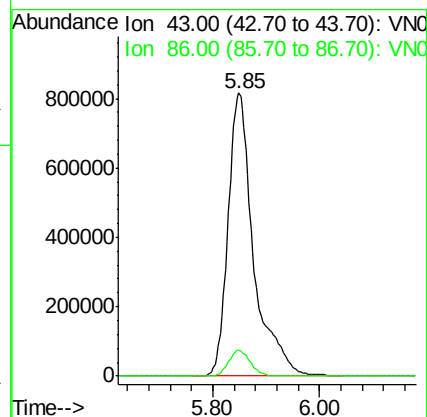
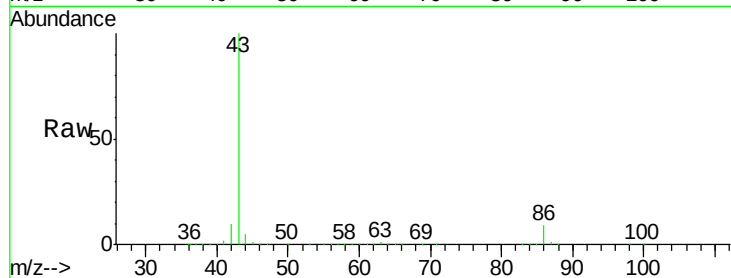
86 9.1 6.8 10.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.524 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

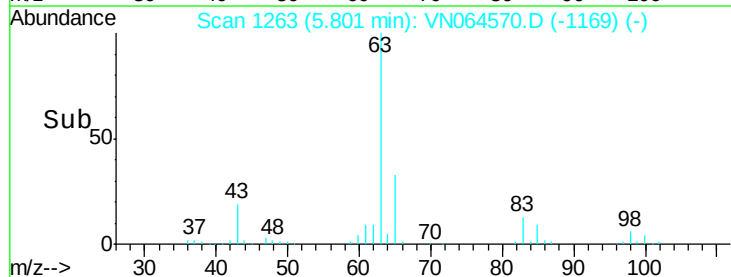
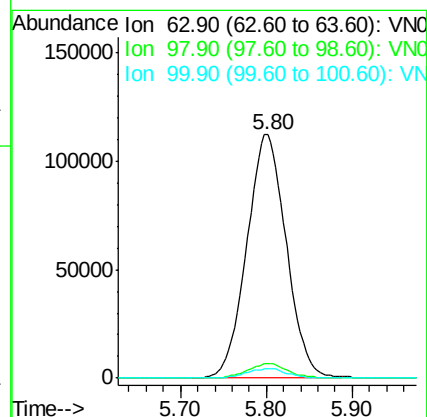
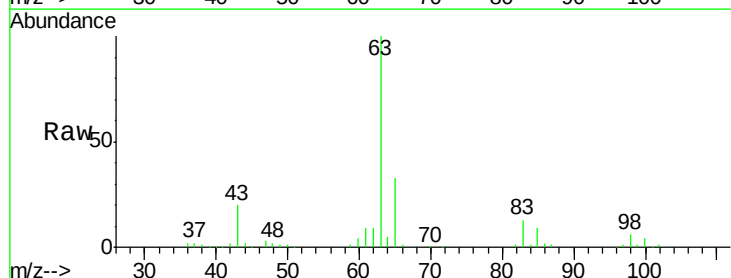
Tgt Ion: 63 Resp: 358314

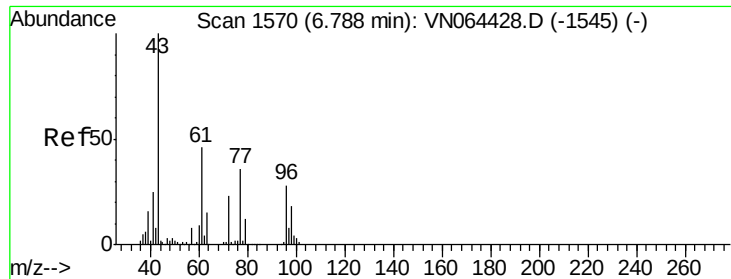
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.8 1.8 5.3





#25

2-Butanone

Concen: 255.100 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 626734

Ion Ratio Lower Upper

43 100

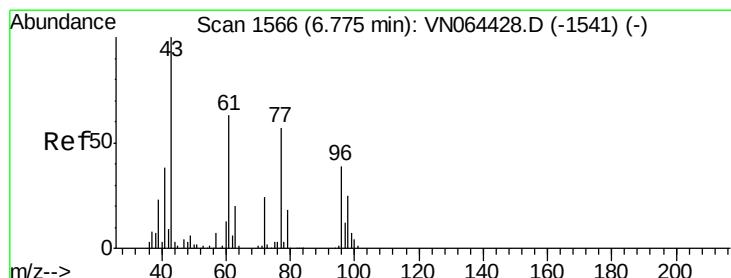
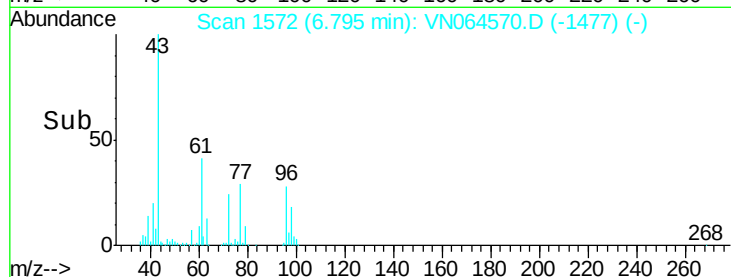
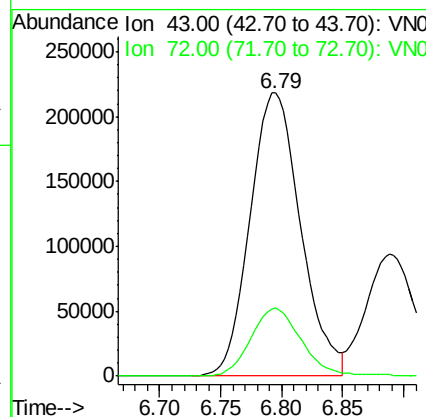
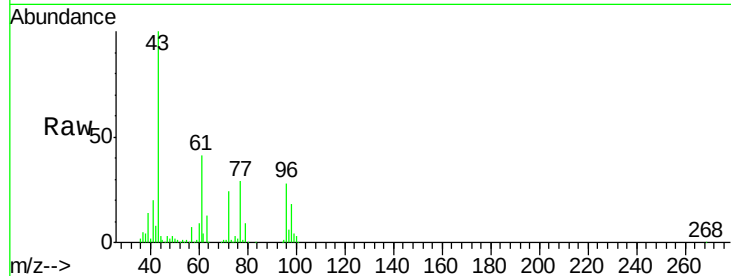
72 24.0 18.5 27.7

Manual Integrations

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MMDadoda

11/12/2020 9:13:18 AM



#26

2,2-Dichloropropane

Concen: 42.126 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064570.D

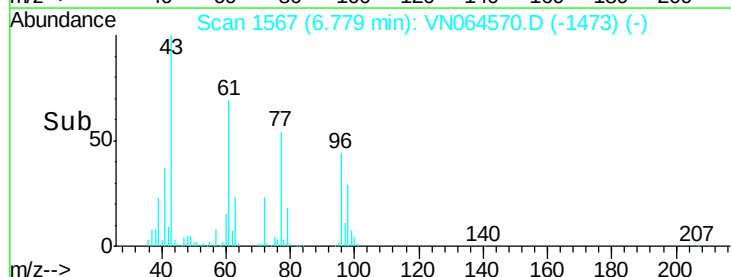
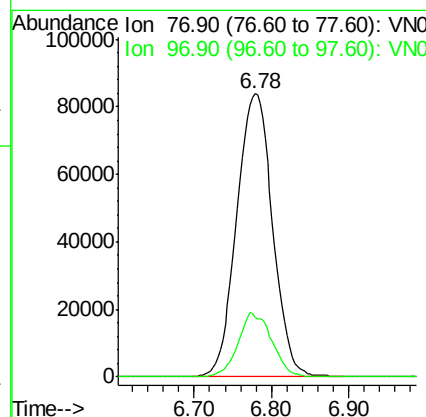
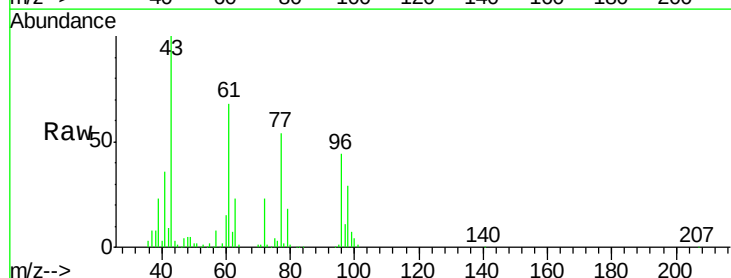
Acq: 11 Nov 2020 21:16

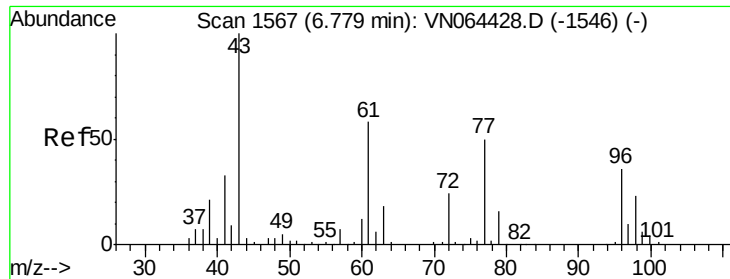
Tgt Ion: 77 Resp: 270445

Ion Ratio Lower Upper

77 100

97 21.3 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 49.971 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

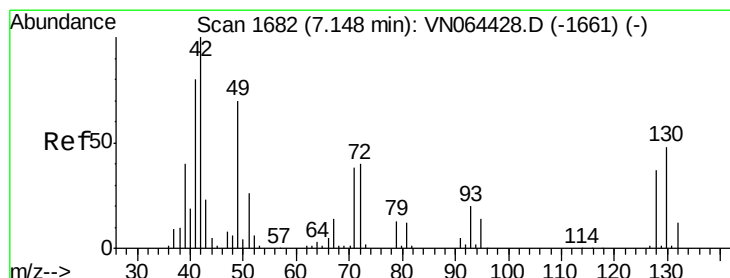
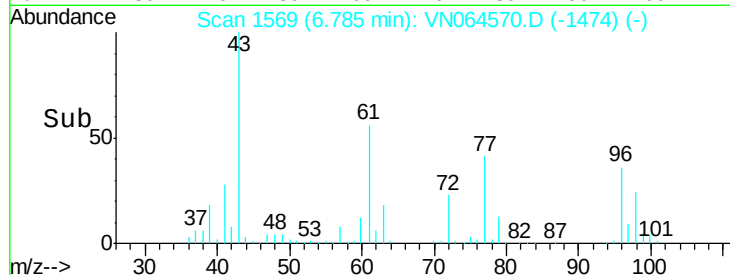
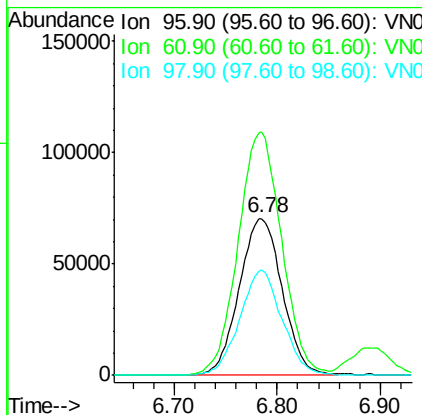
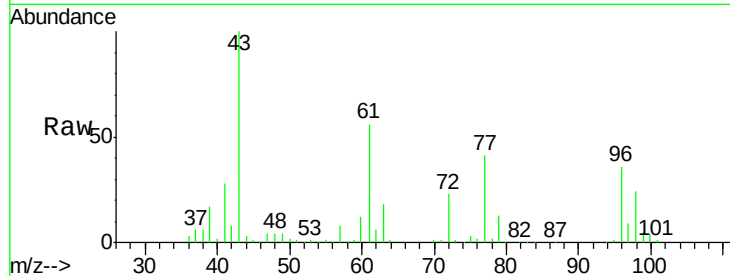
ClientSampleId :

VSTDCCC050EC

Tot Ion	96	Resp	204340
Ion Ratio	Lower	Upper	
96	100		
61	156.9	0.0	329.6
98	66.1	0.0	131.2

Manual Integrations
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#28

Bromochloromethane

Concen: 50.813 ug/l

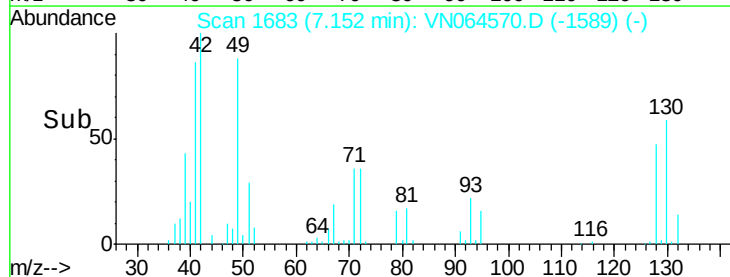
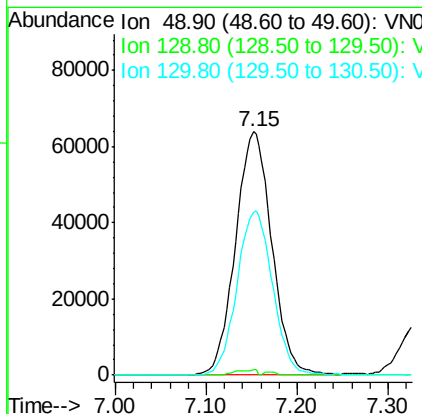
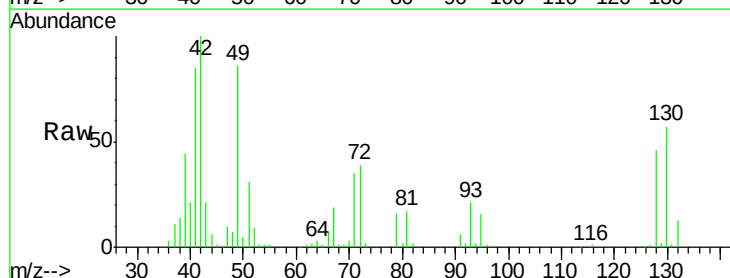
RT: 7.15 min Scan# 1683

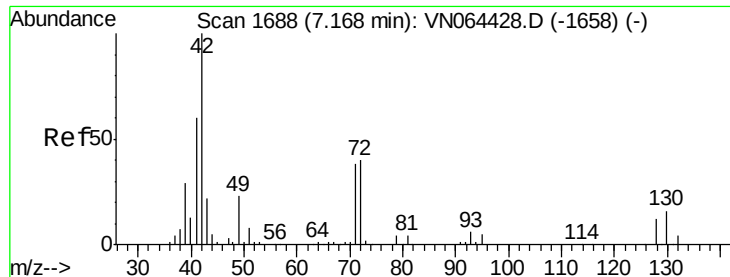
Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Tgt Ion	49	Resp	177132
Ion Ratio	Lower	Upper	
49	100		
129	1.3	0.0	3.6
130	65.7	54.2	81.4





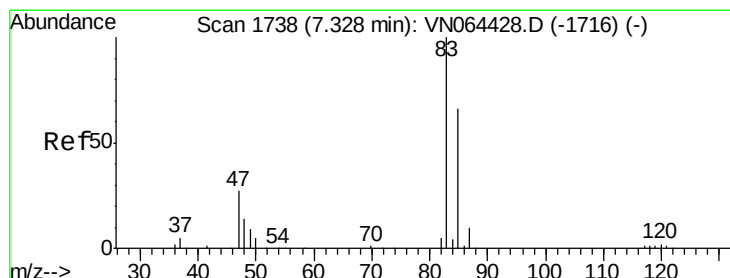
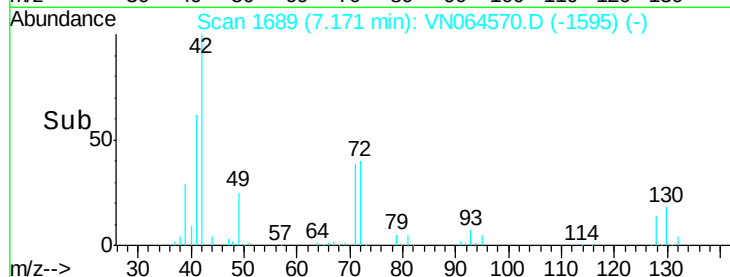
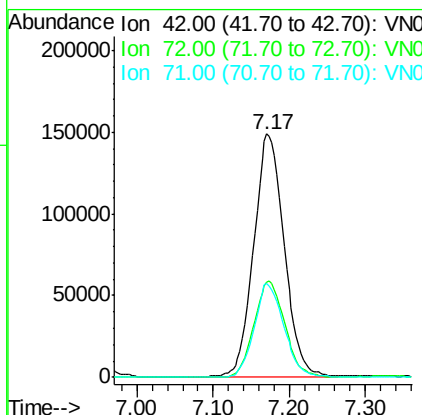
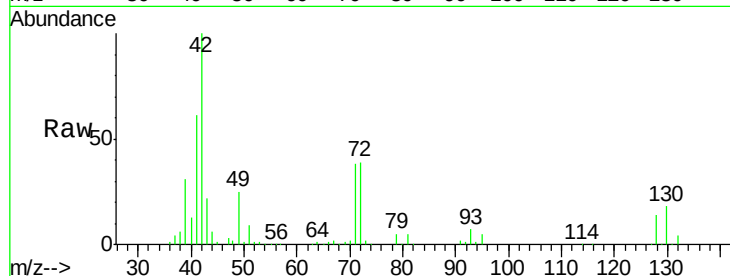
#29
Tetrahydrofuran
Concen: 276.524 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.7	47.5
71	37.6	29.8	44.6

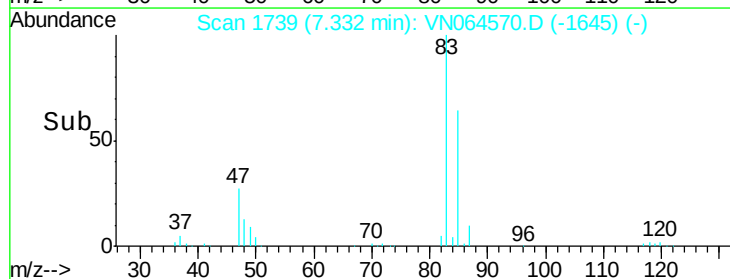
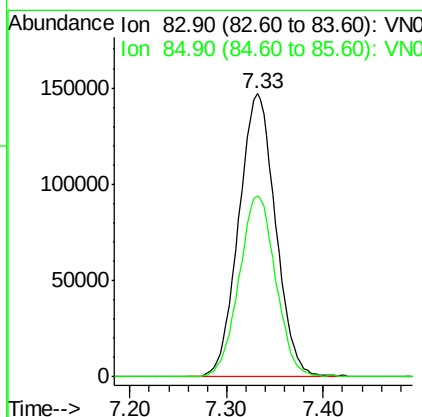
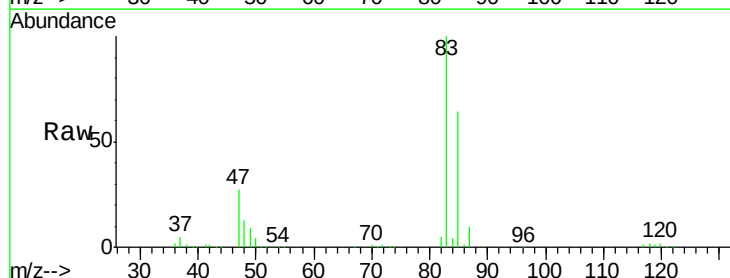
Manual Integrations
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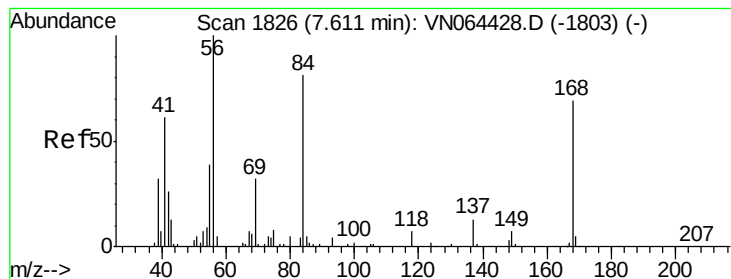
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#30
Chloroform
Concen: 52.133 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7





#31

Cyclohexane

Concen: 45.412 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

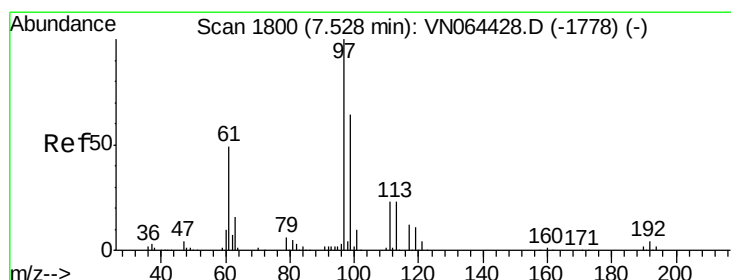
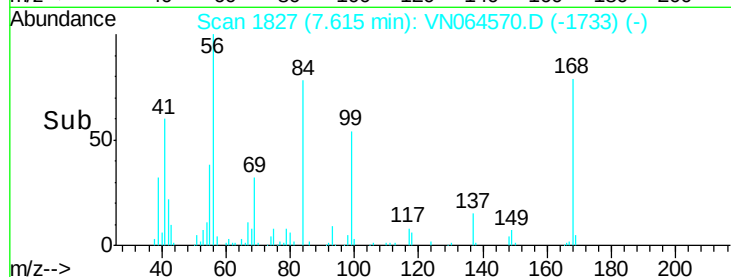
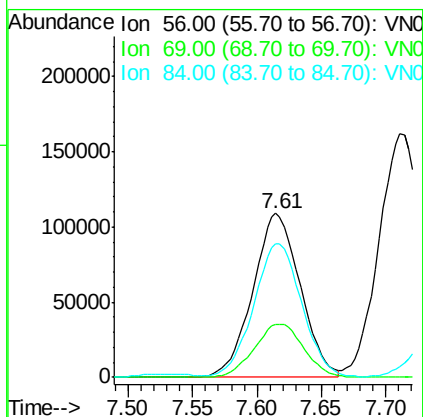
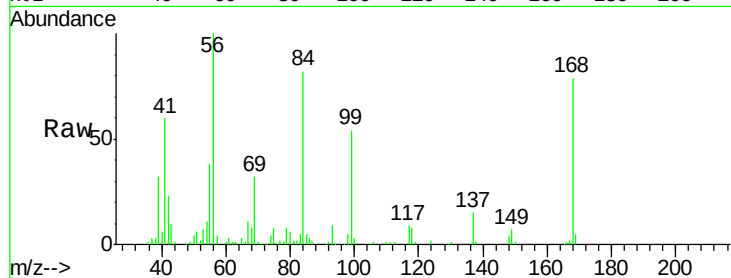
ClientSampleId :

VSTDCCC050EC

Tot Ion	56	Resp	279438
Ion Ratio	Lower	Upper	
56	100		
69	32.1	25.6	38.4
84	80.1	63.0	94.6

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 51.837 ug/l

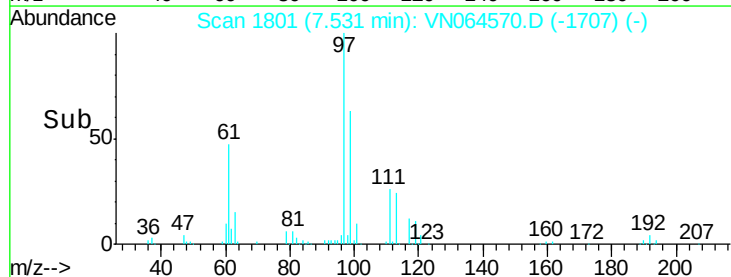
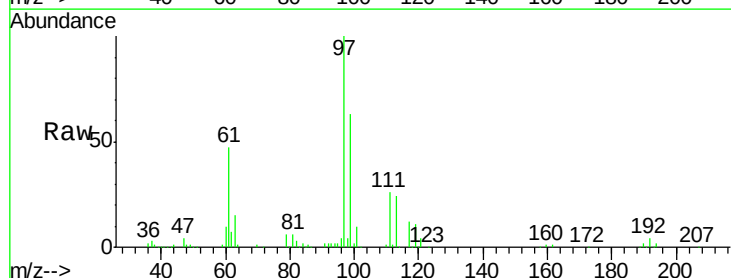
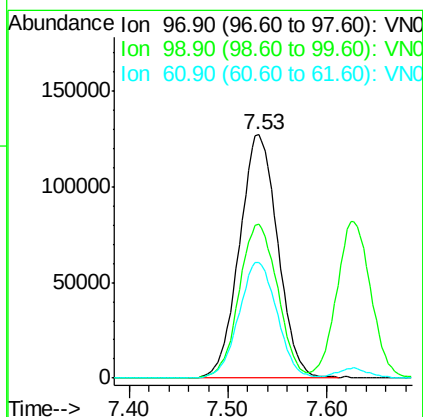
RT: 7.53 min Scan# 1801

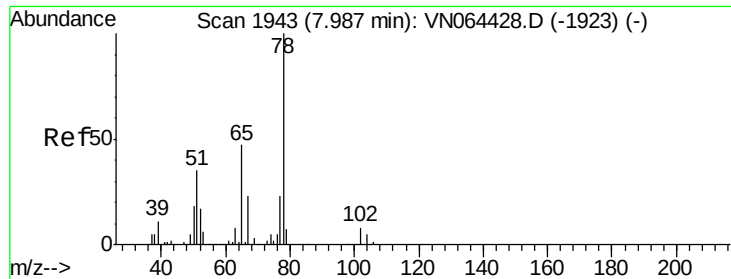
Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Tgt Ion	97	Resp	342745
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.3	76.9
61	47.4	39.1	58.7





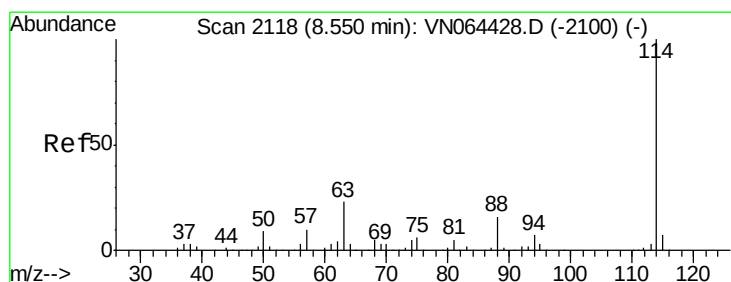
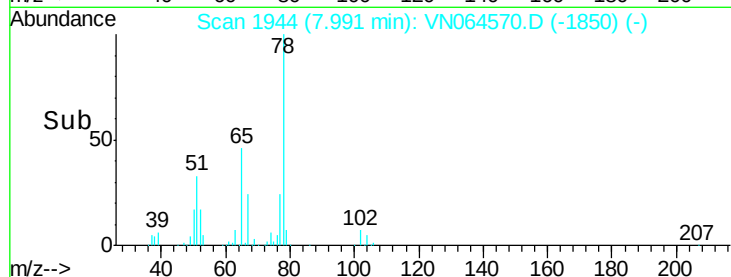
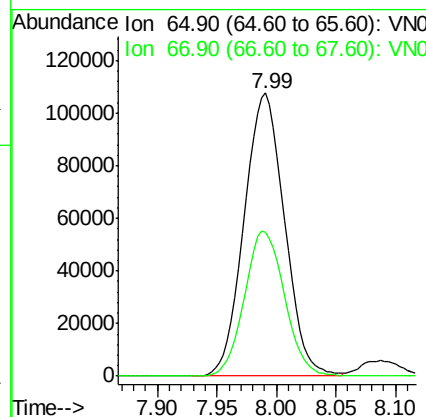
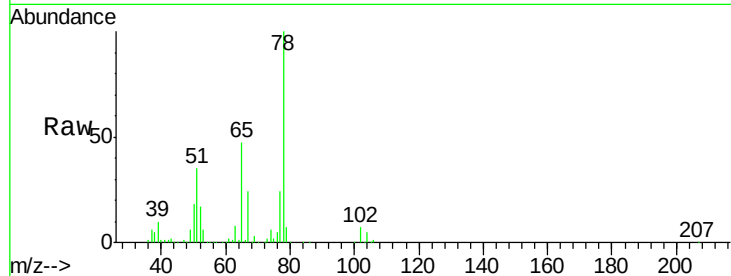
#33
 1,2-Dichloroethane-d4
 Concen: 50.019 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 253196
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.6

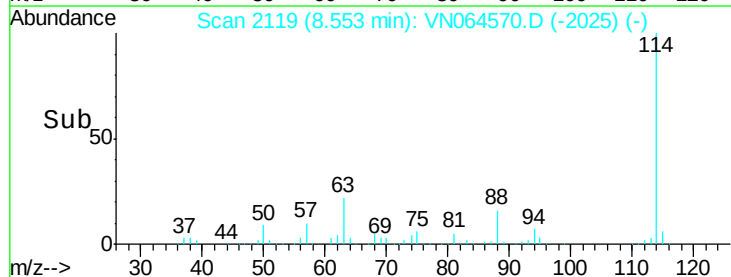
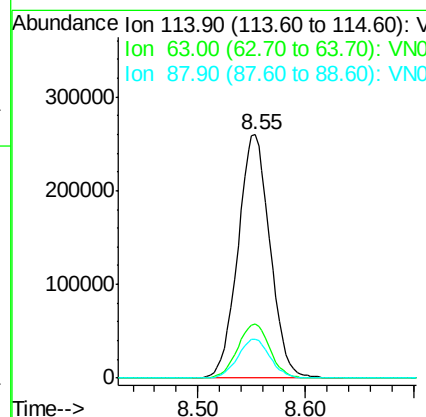
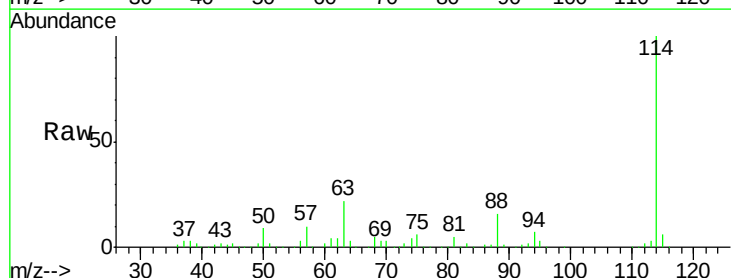
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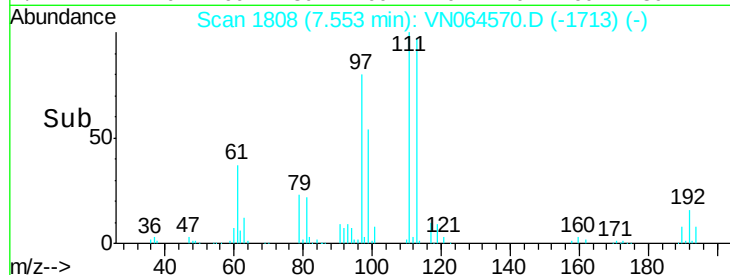
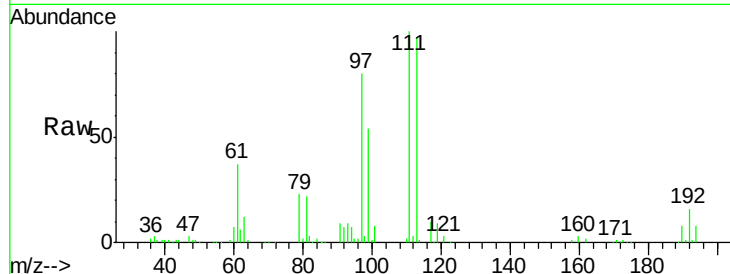
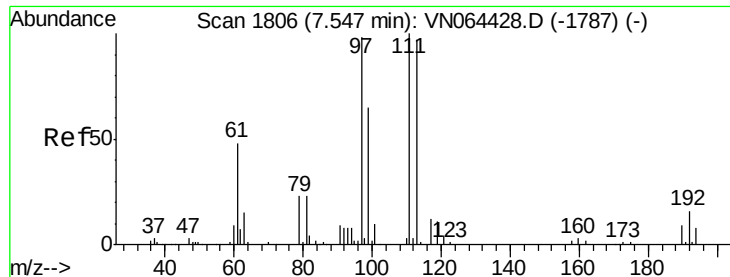
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 11/12/2020 9:13:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Tgt Ion: 114 Resp: 537775
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.6
 88 16.2 0.0 32.8





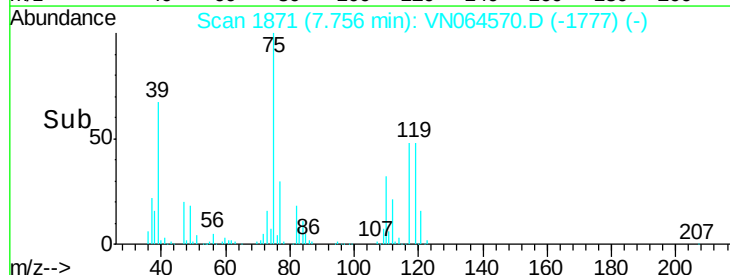
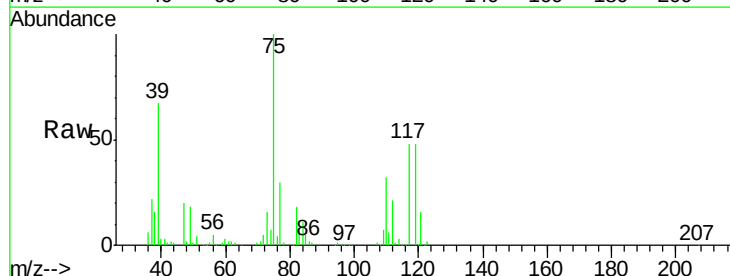
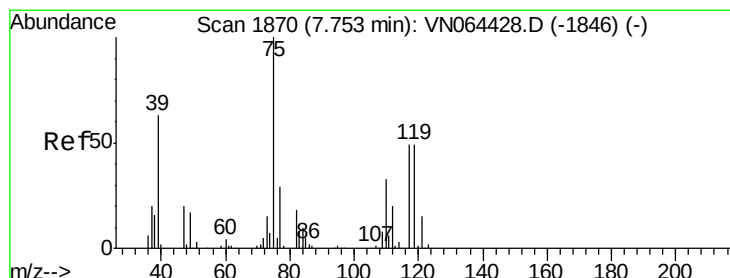
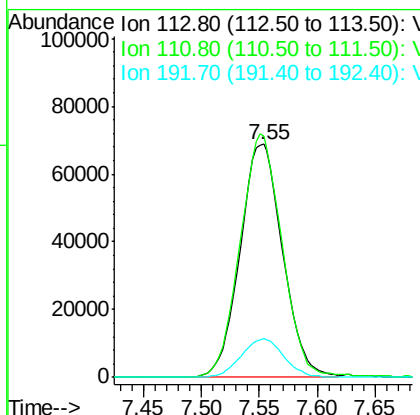
#35
Dibromofluoromethane
Concen: 48.051 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tot Ion	Ratio	Resp	Lower	Upper
113	100	175939		
111	103.1	81.1	121.7	
192	16.6	12.8	19.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

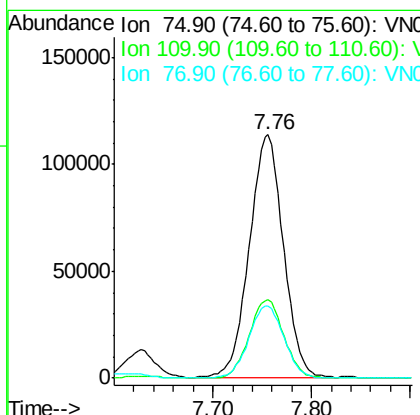
Manual Integrations
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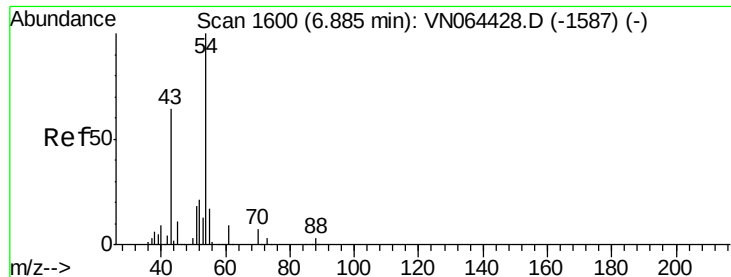
MMDadoda
11/12/2020 9:13:18 AM



#36
1,1-Dichloropropene
Concen: 47.619 ug/l
RT: 7.76 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	270531		
110	32.9	16.0	48.0	
77	31.0	24.0	36.0	





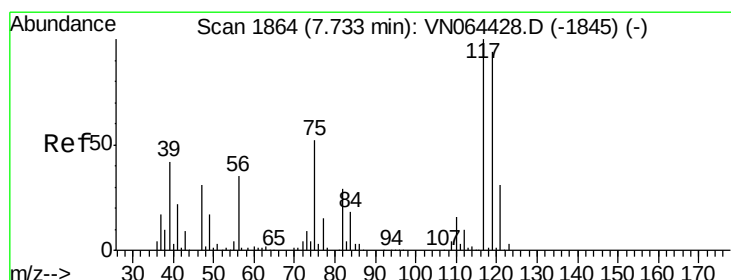
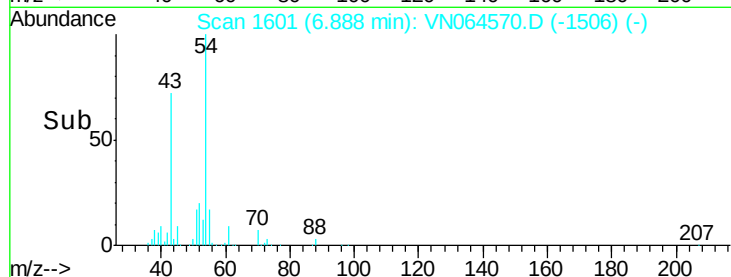
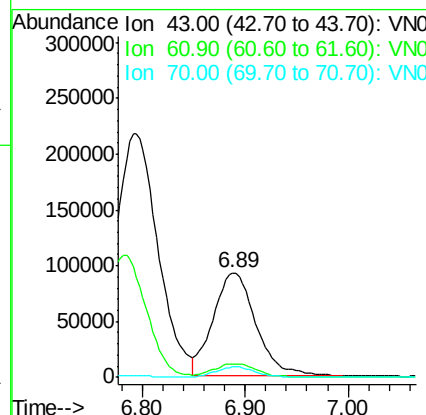
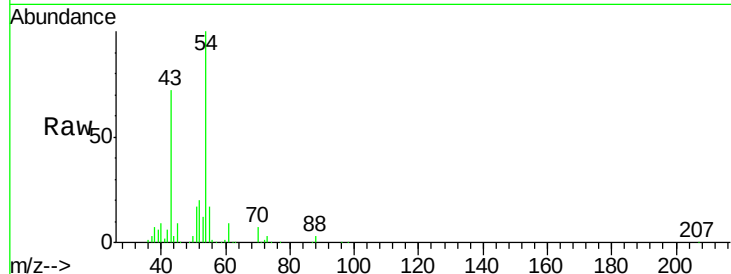
#37
Ethyl Acetate
Concen: 46.391 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.0	15.0
70	9.6	7.1	10.7

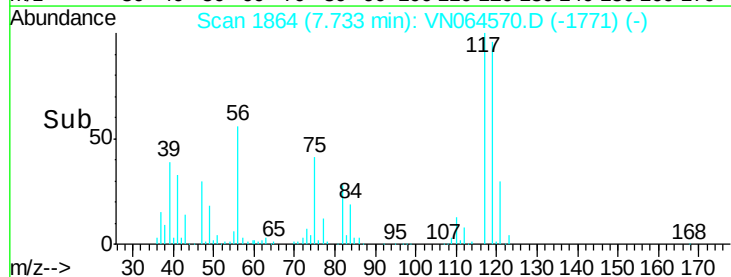
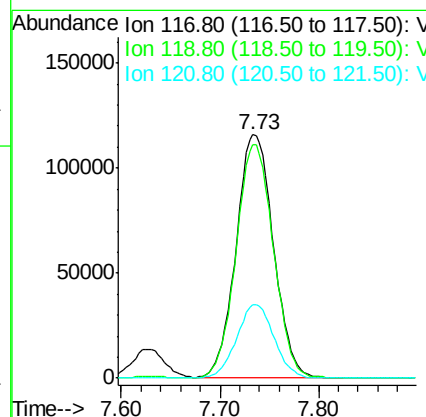
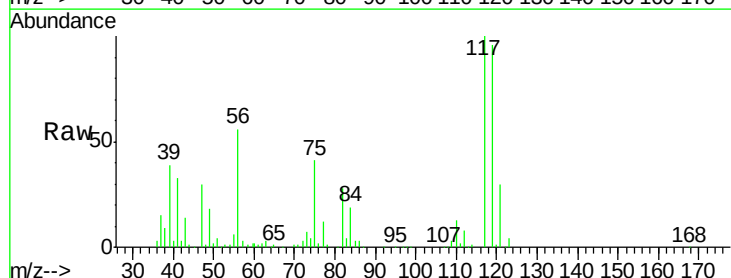
Manual Integrations
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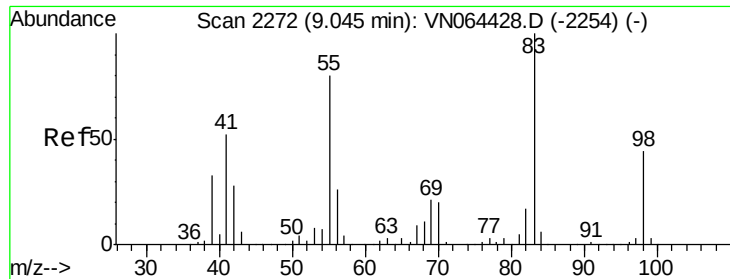
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#38
Carbon Tetrachloride
Concen: 49.962 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.5	113.3
121	30.0	24.4	36.6





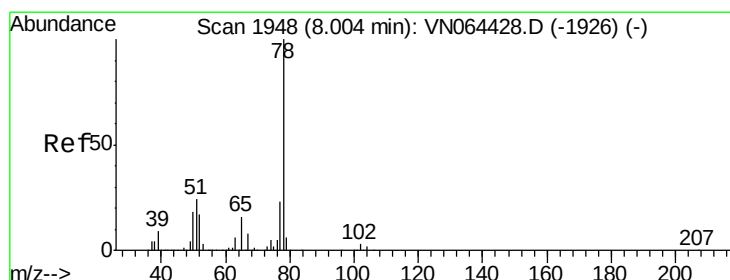
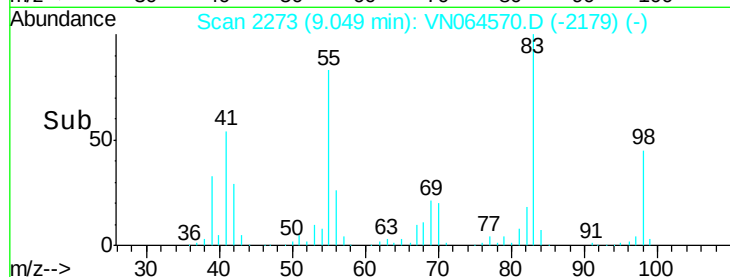
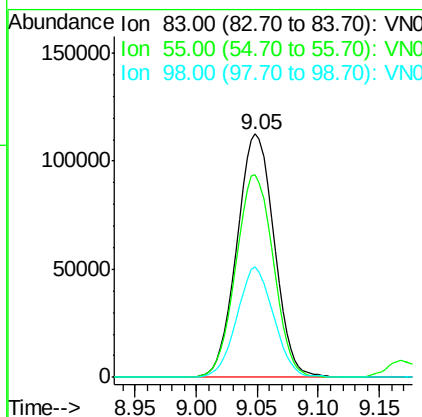
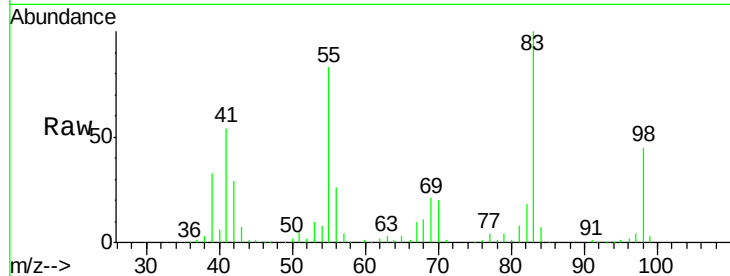
#39
Methylvlcyclohexane
Concen: 46.838 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	63.8	95.6
98	45.5	35.4	53.2

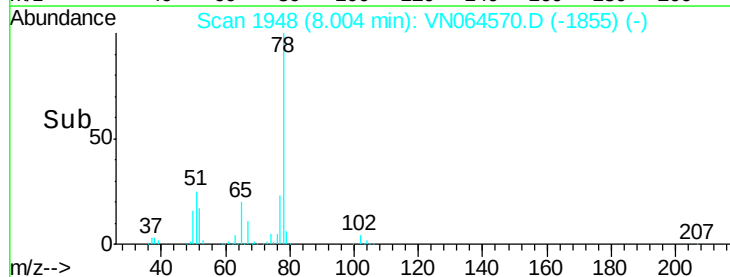
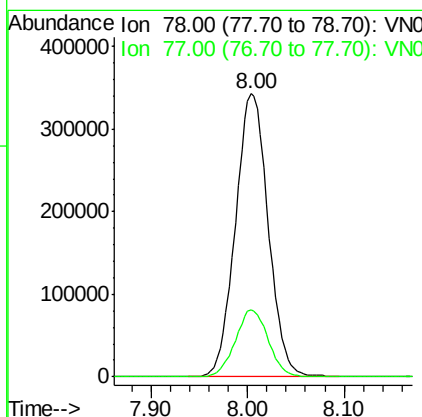
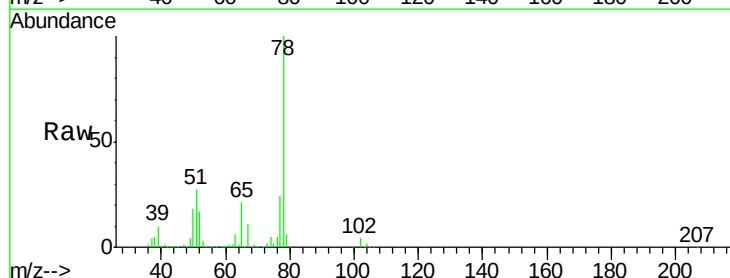
Manual Integrations
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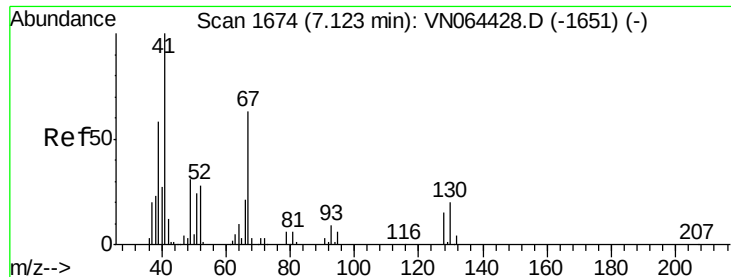
MMDadoda
11/12/2020 9:13:18 AM



#40
Benzene
Concen: 48.424 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





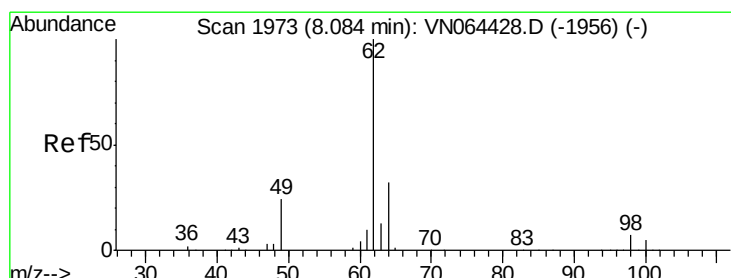
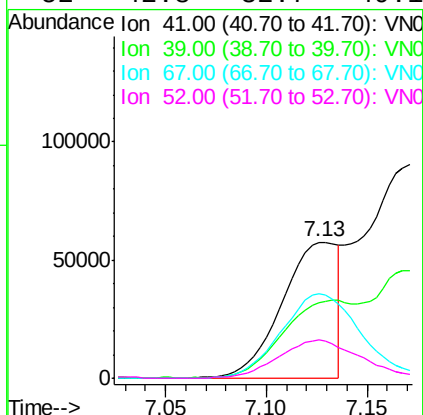
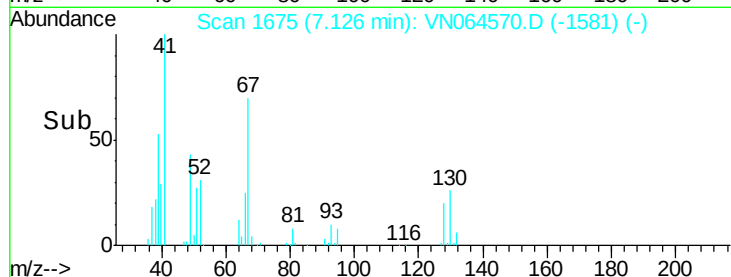
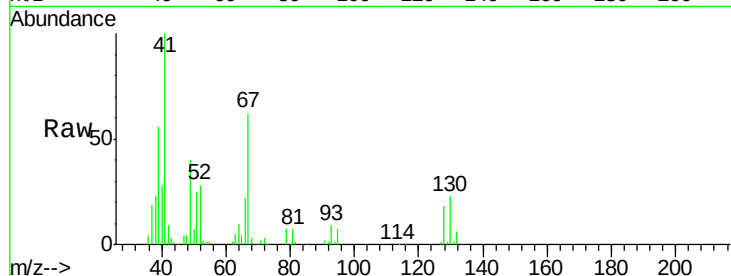
#41
Methacrylonitrile
Concen: 43.680 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	73.6	50.0	75.0	
67	90.2	68.3	102.5	
52	42.8	32.7	49.1	

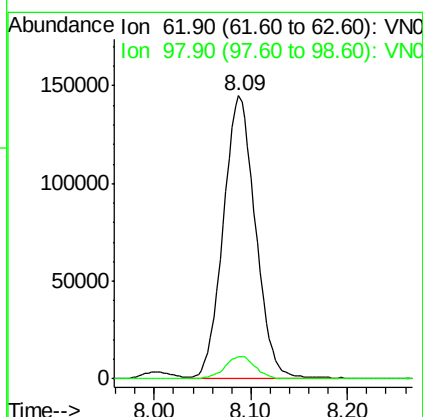
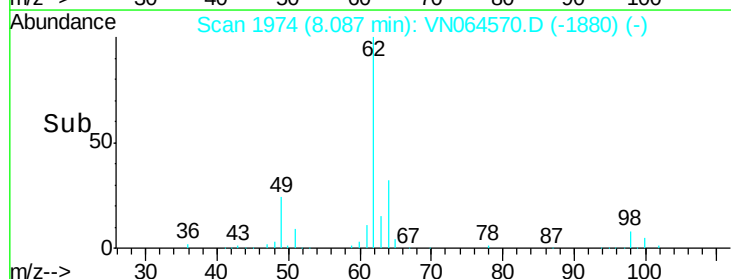
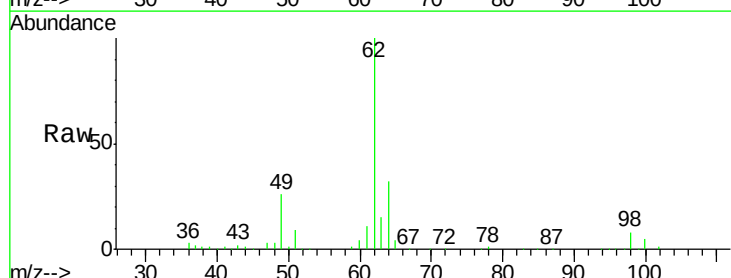
Manual Integrations
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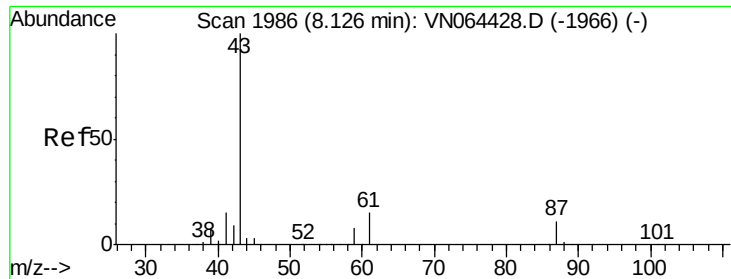
MMDadoda
11/12/2020 9:13:18 AM



#42
1,2-Dichloroethane
Concen: 49.527 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.6	0.0	14.0	





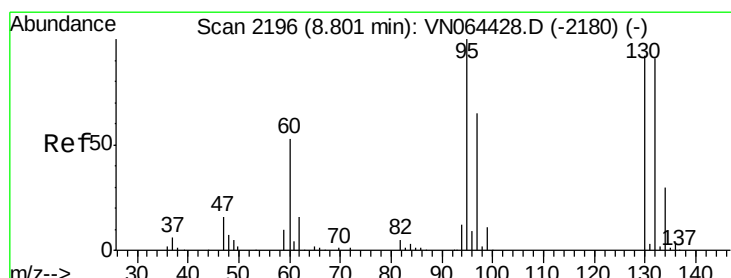
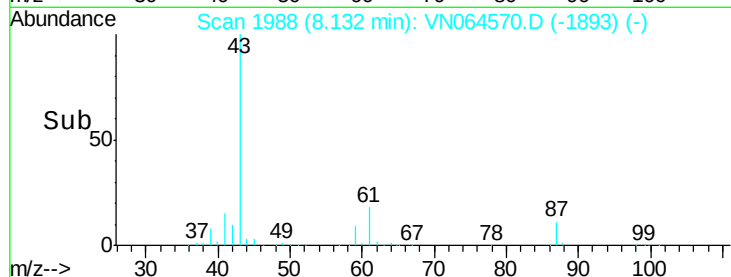
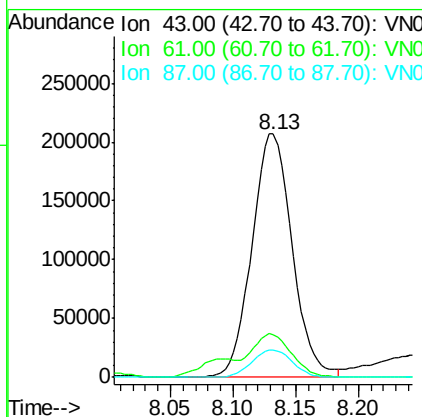
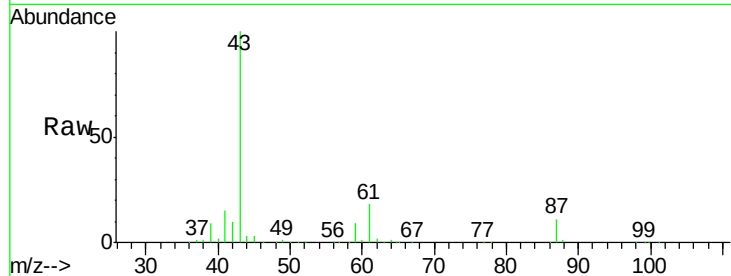
#43
Isopropyl Acetate
Concen: 50.147 ug/l
RT: 8.13 min Scan# 1988
Delta R.T. 0.01 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.0	21.0
87	11.4	9.1	13.7

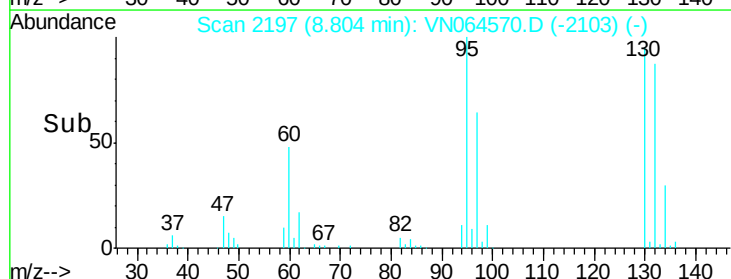
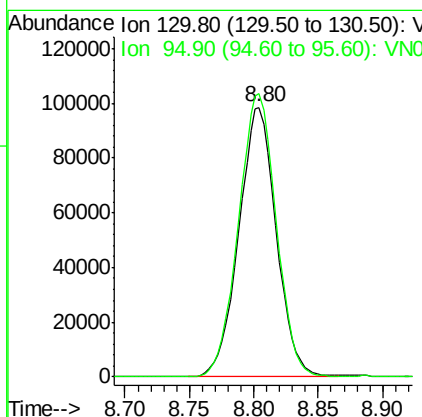
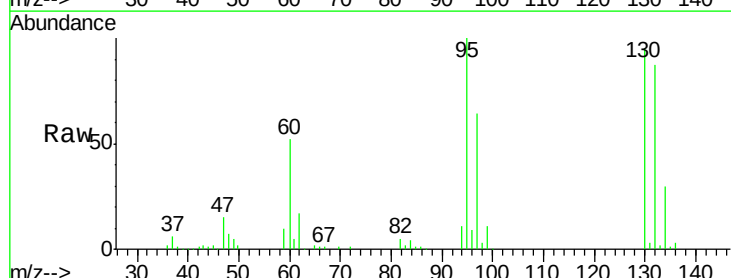
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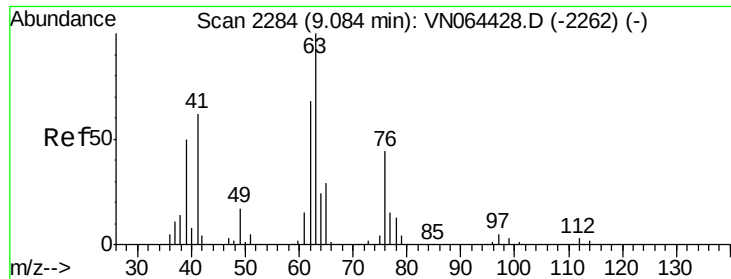
MMDadoda
11/12/2020 9:13:18 AM



#44
Trichloroethene
Concen: 47.322 ug/l
RT: 8.80 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	216.8





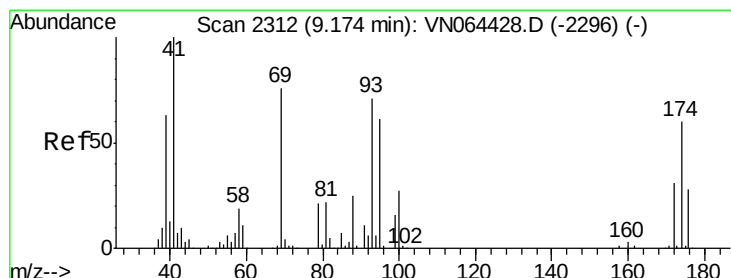
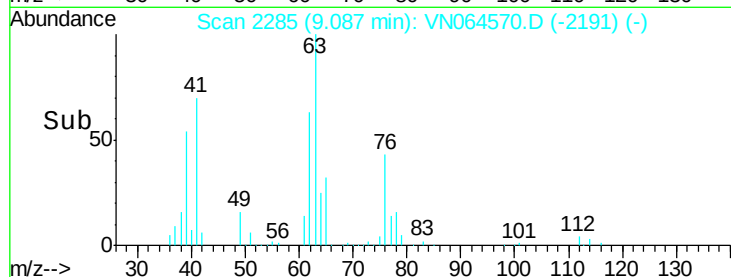
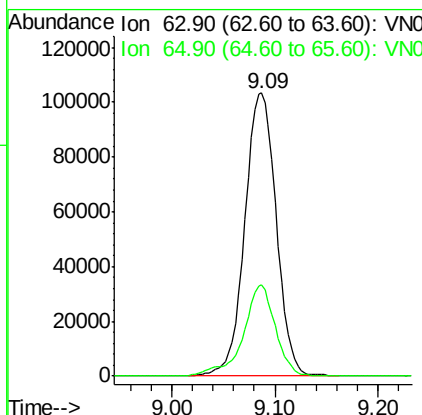
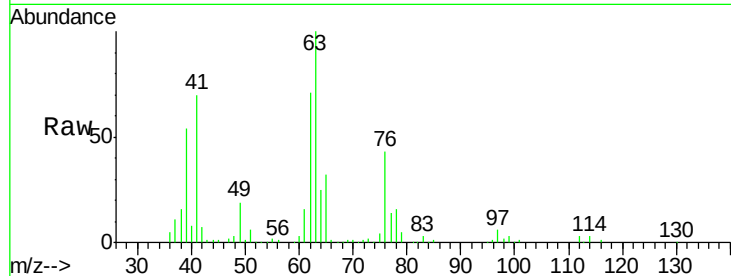
#45
 1,2-Dichloropropane
 Concen: 49.196 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 219141
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.6 35.4

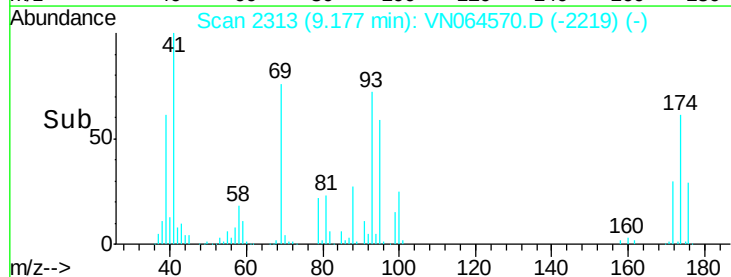
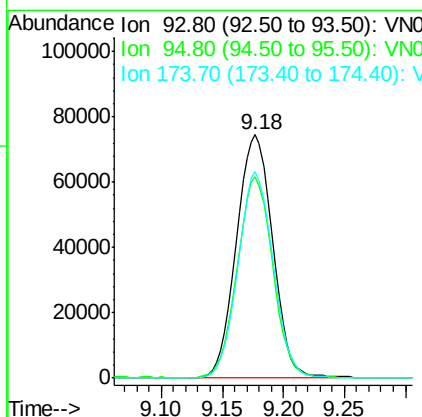
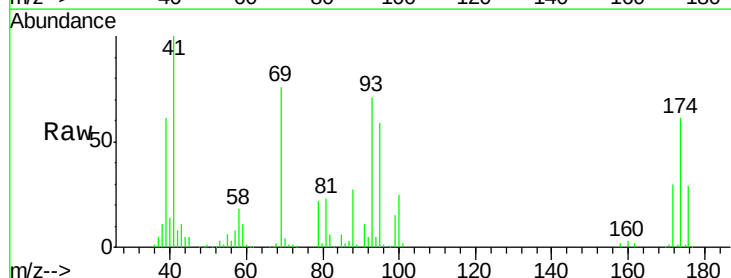
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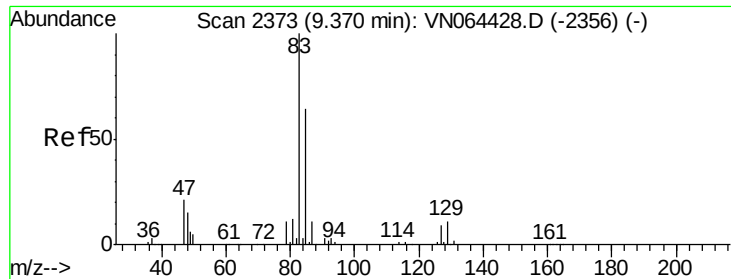
MMDadoda
 11/12/2020 9:13:18 AM



#46
 Dibromomethane
 Concen: 52.269 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Tgt Ion: 93 Resp: 153270
 Ion Ratio Lower Upper
 93 100
 95 81.2 66.4 99.6
 174 82.2 67.2 100.8





#47

Bromodichloromethane

Concen: 51.216 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

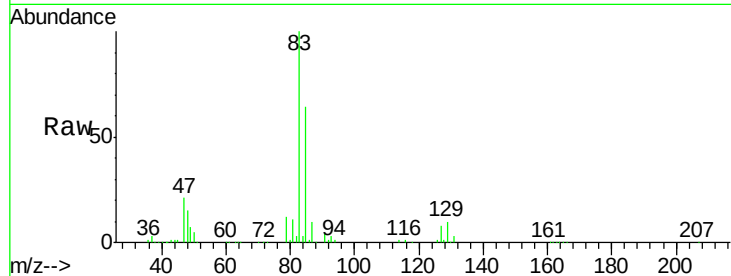
ClientSampleId :

VSTDCCC050EC

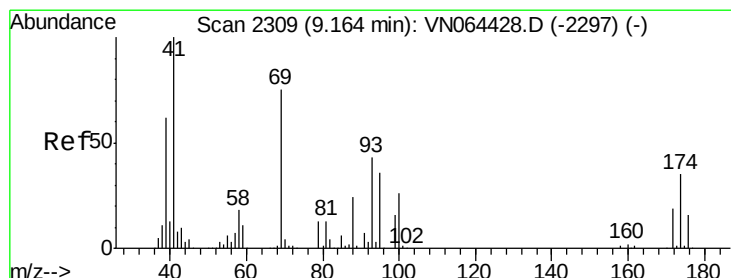
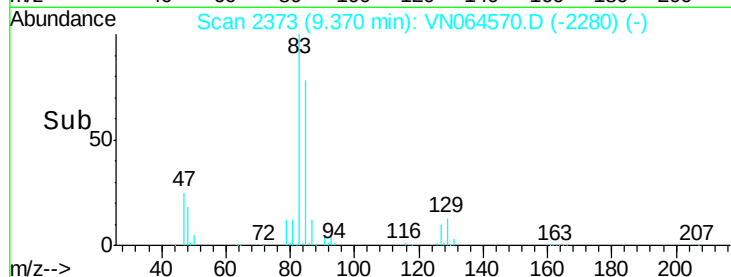
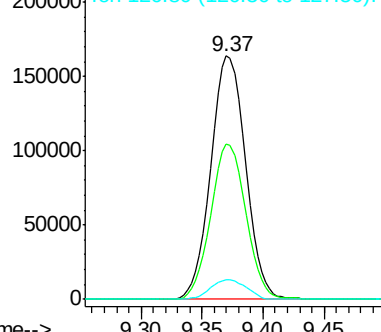
Tot Ion:	83	Resp:	322917
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.2	76.8
127	7.9	6.9	10.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN064570.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.482 ug/l

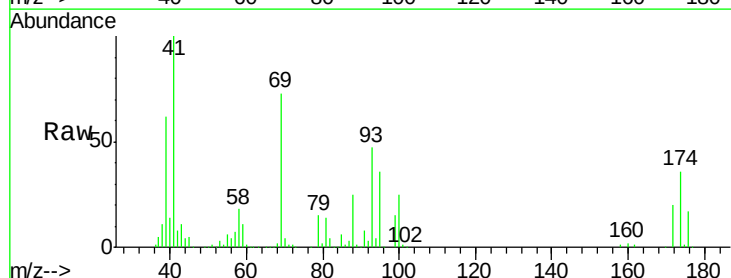
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

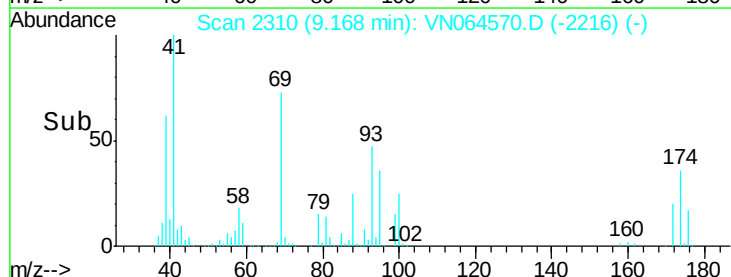
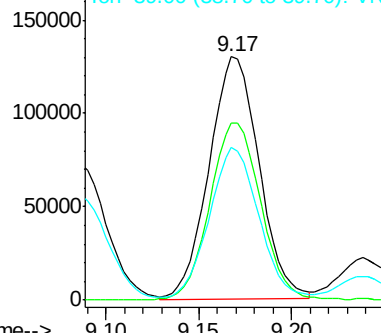
Lab File: VN064570.D

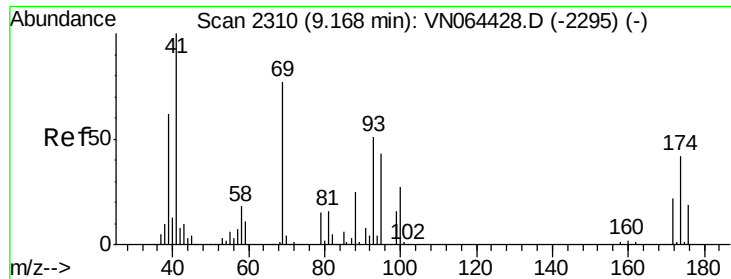
Acq: 11 Nov 2020 21:16

Tgt Ion:	41	Resp:	243821
Ion Ratio	Lower	Upper	
41	100		
69	74.5	60.4	90.6
39	62.3	51.2	76.8



Abundance Ion 41.00 (40.70 to 41.70): VN064570.D (-2216) (-)





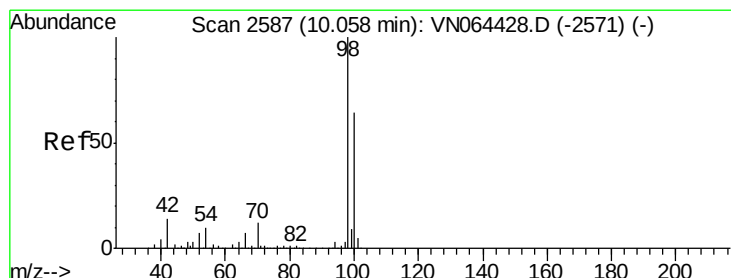
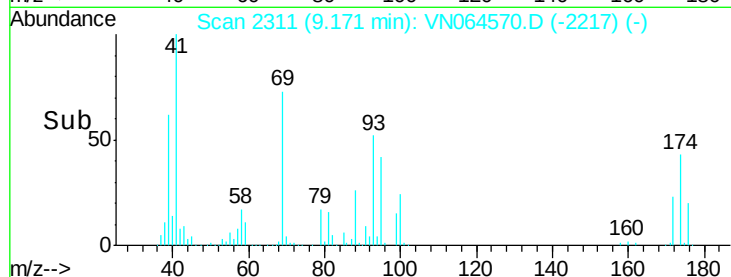
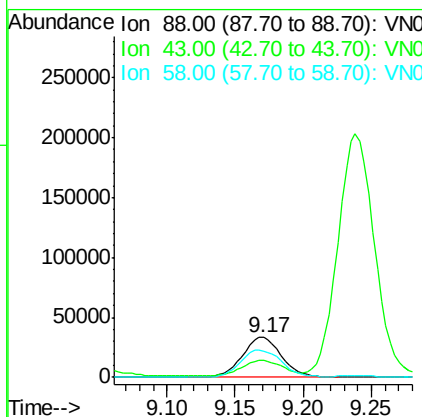
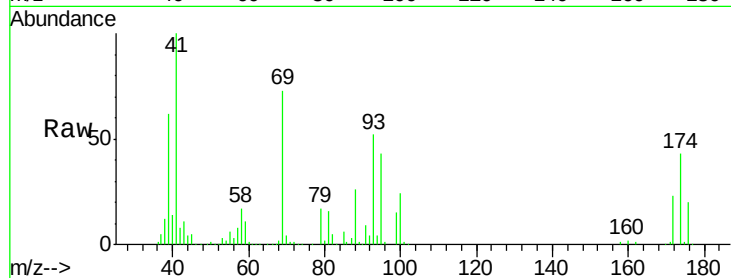
#49
1,4-Dioxane
Concen: 1091.972 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.6	31.0	46.6
58	71.3	58.4	87.6

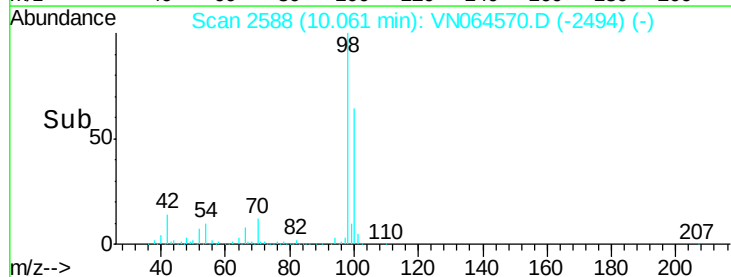
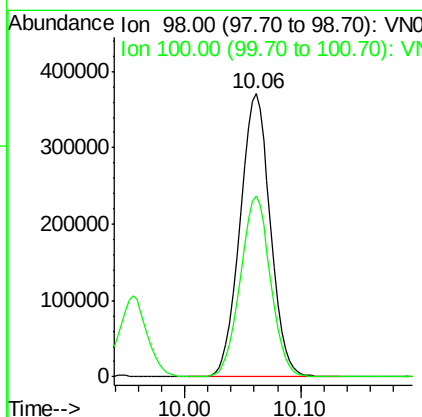
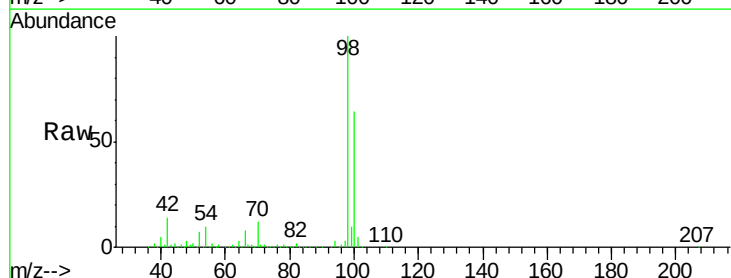
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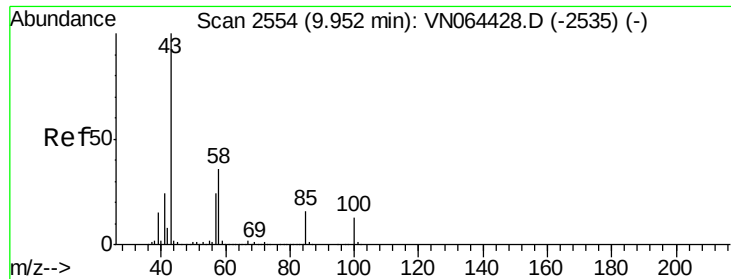
MMDadoda
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#50
Toluene-d8
Concen: 47.533 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 269.871 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1448992

Ion Ratio Lower Upper

43 100

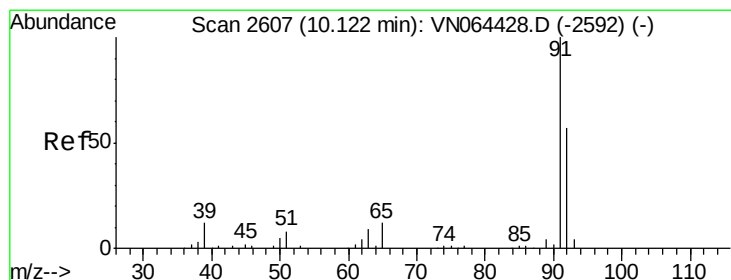
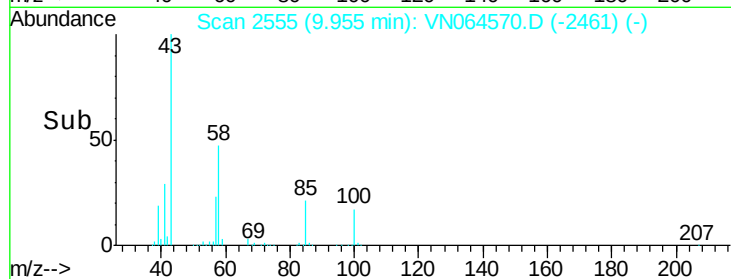
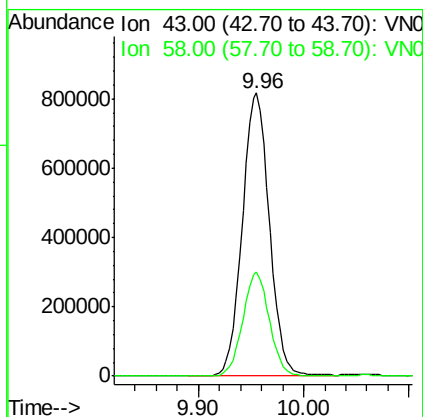
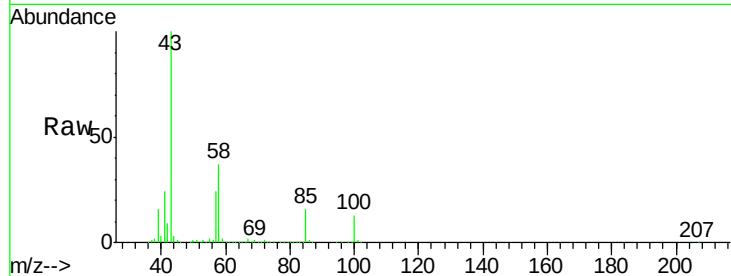
58 36.2 28.4 42.6

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#52

Toluene

Concen: 50.535 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064570.D

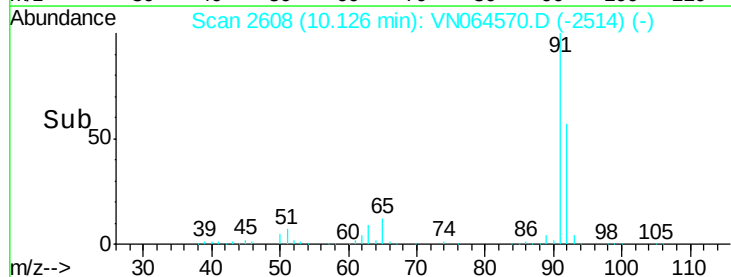
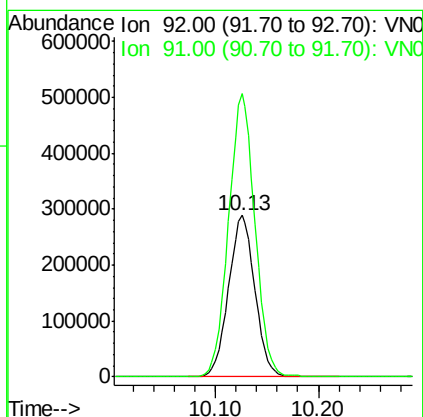
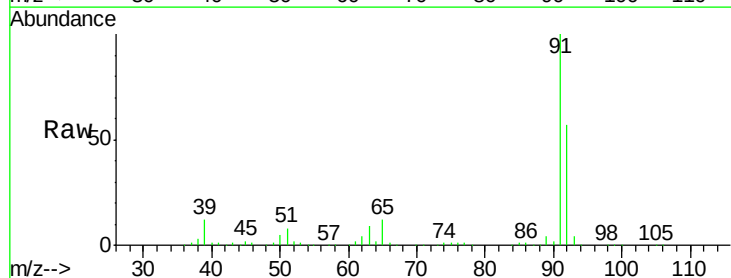
Acq: 11 Nov 2020 21:16

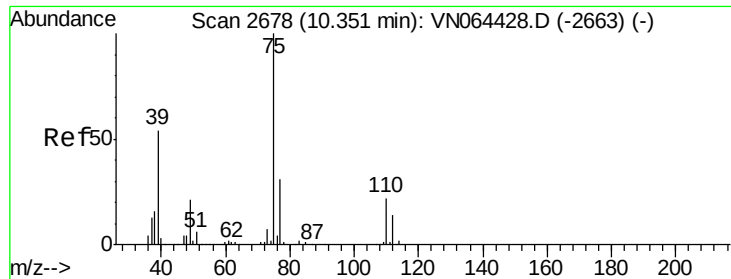
Tgt Ion: 92 Resp: 514558

Ion Ratio Lower Upper

92 100

91 175.3 139.6 209.4





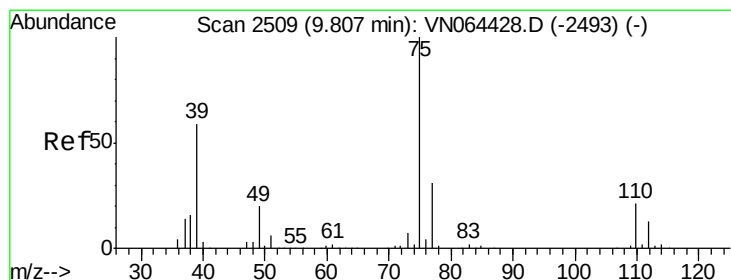
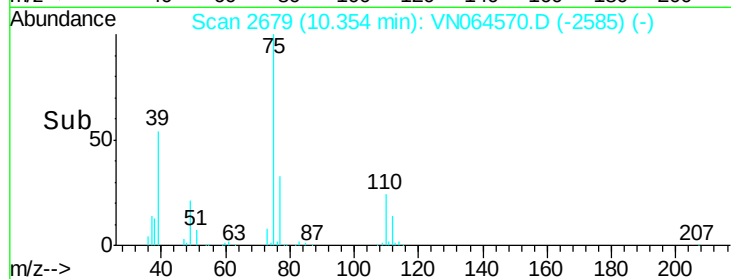
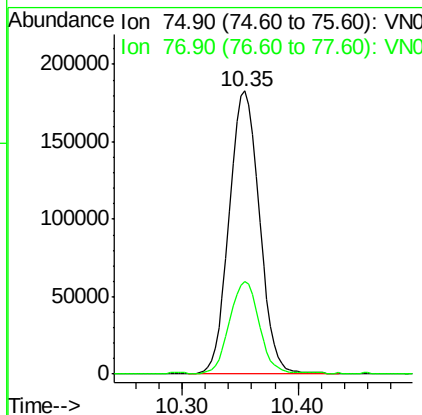
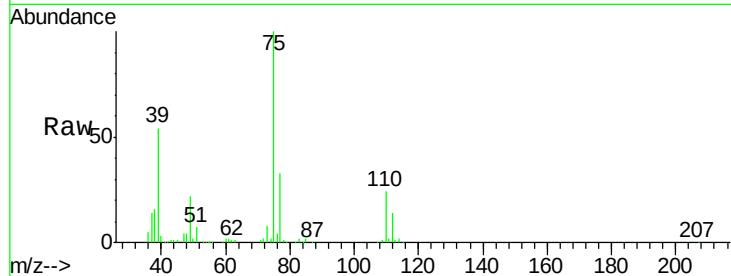
#53
t-1,3-Dichloropropene
Concen: 49.465 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 330644
Ion Ratio Lower Upper
75 100
77 32.4 24.8 37.2

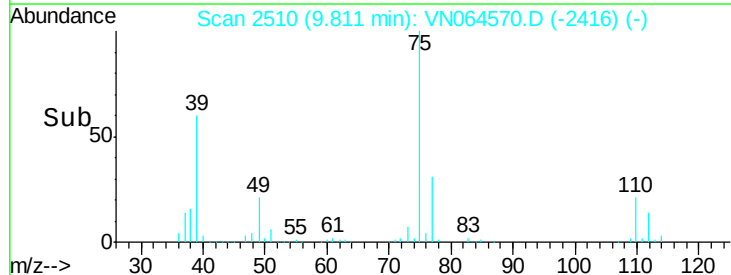
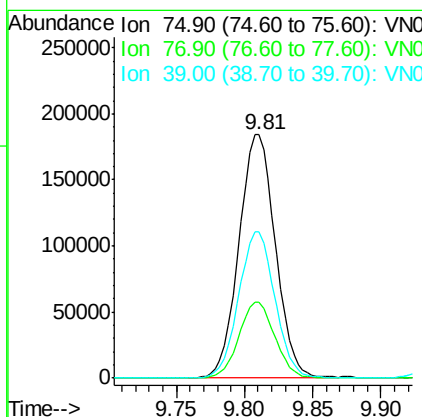
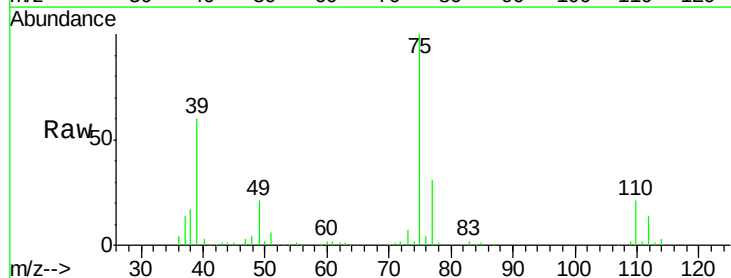
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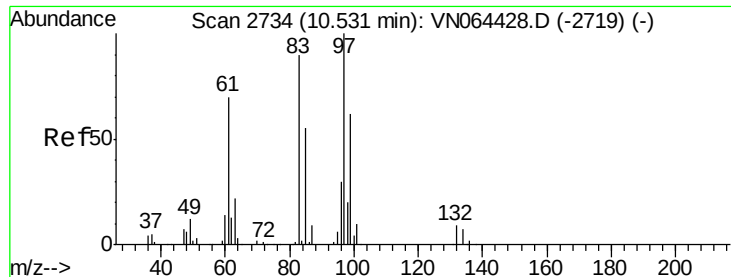
MMDadoda
11/12/2020 9:13:18 AM



#54
cis-1,3-Dichloropropene
Concen: 47.892 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion: 75 Resp: 342276
Ion Ratio Lower Upper
75 100
77 31.0 24.9 37.3
39 59.8 47.1 70.7





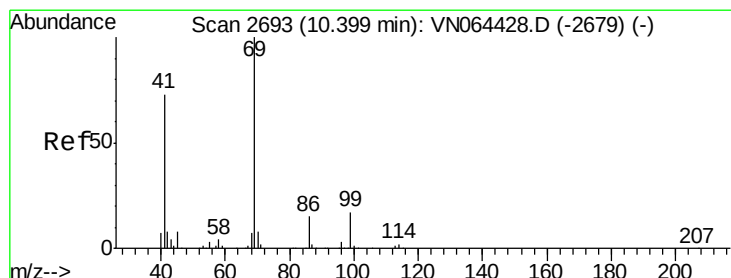
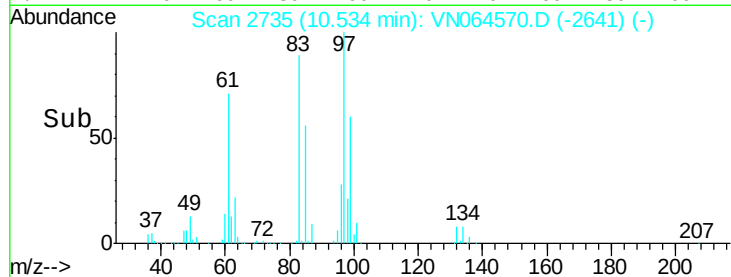
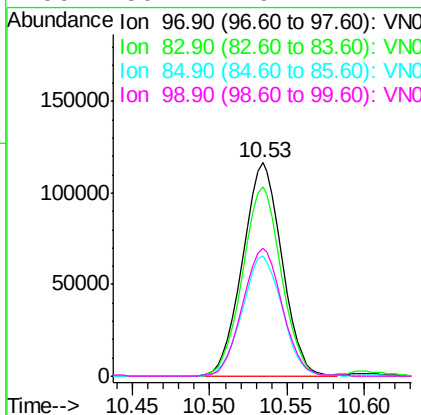
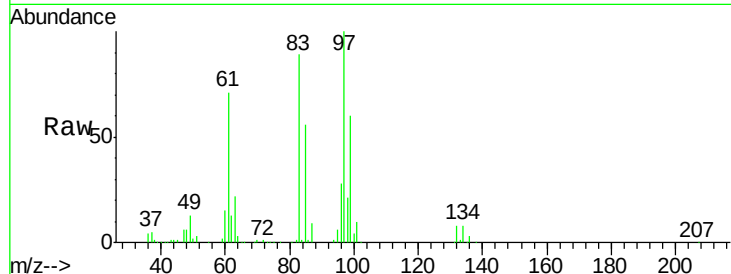
#55
 1,1,2-Trichloroethane
 Concen: 52.075 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	206789
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.7	107.5
85	56.3	44.3	66.5
99	59.7	49.4	74.2

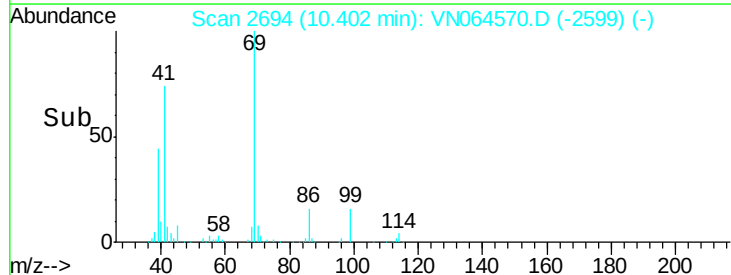
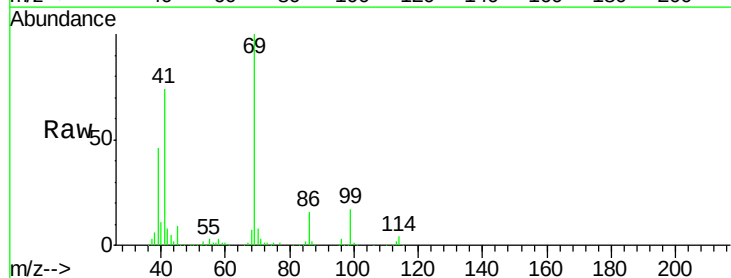
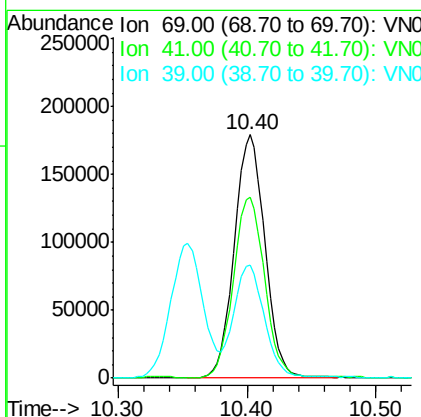
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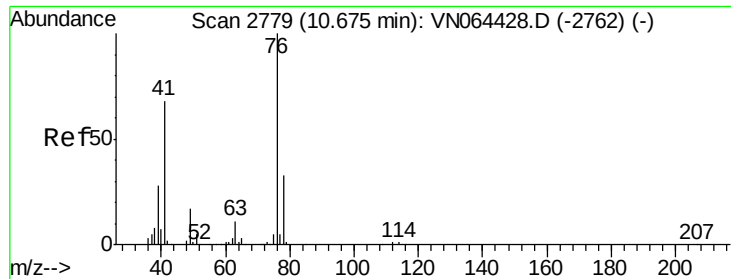
MMDadoda
 11/12/2020 9:13:18 AM



#56
 Ethyl methacrylate
 Concen: 45.526 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Tgt Ion:	69	Resp:	296321
Ion	Ratio	Lower	Upper
69	100		
41	75.3	59.3	88.9
39	45.7	35.4	53.0





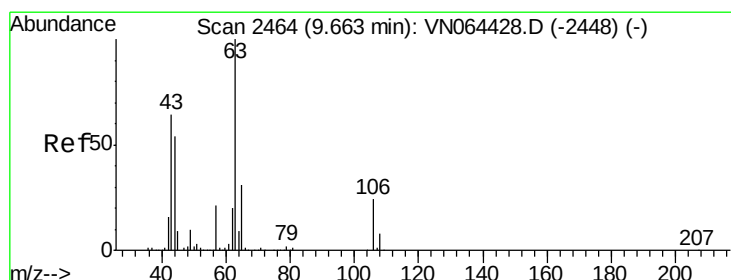
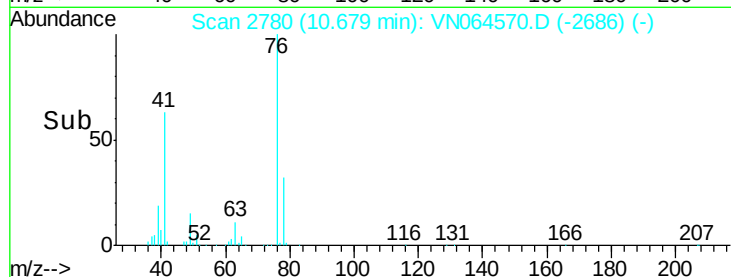
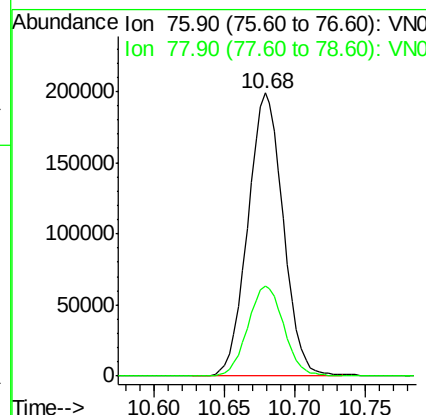
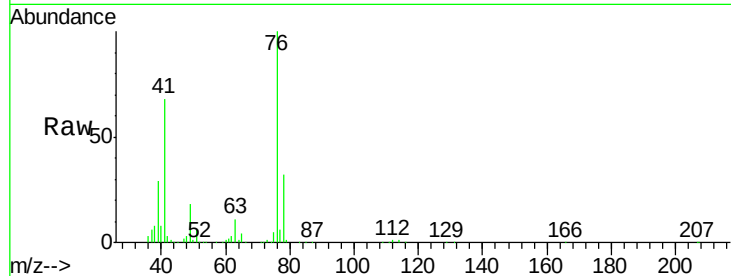
#57
 1,3-Dichloropropane
 Concen: 50.398 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

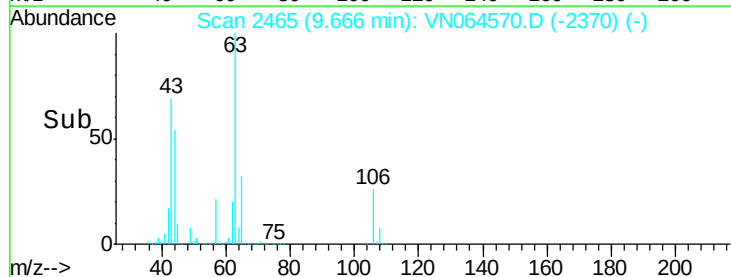
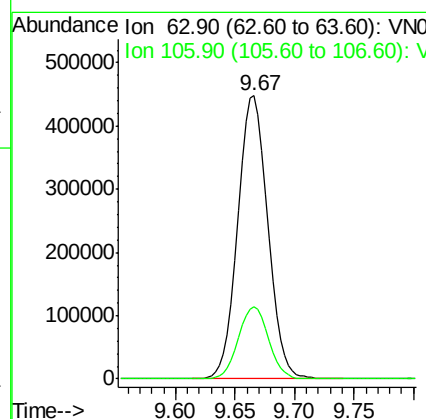
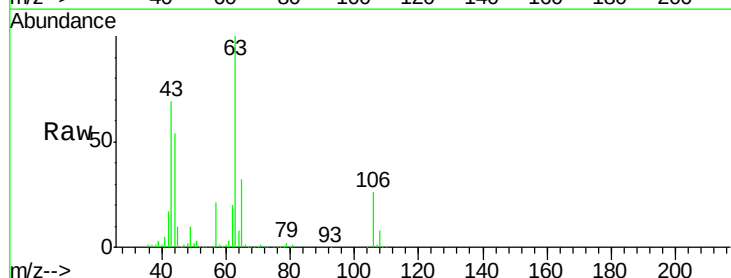
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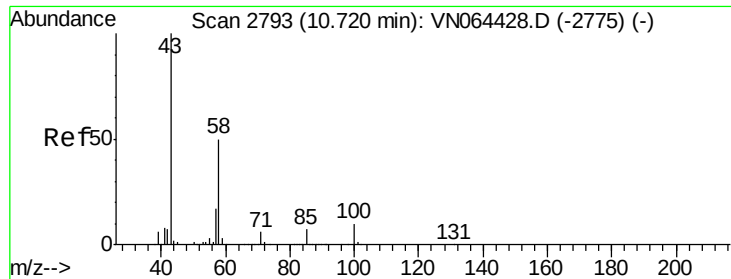
MMDadoda
 11/12/2020 9:13:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.559 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.6	19.5	29.3





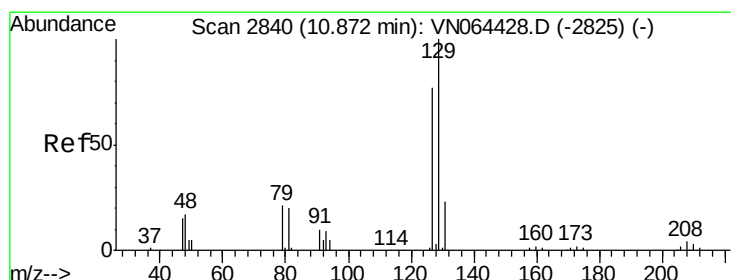
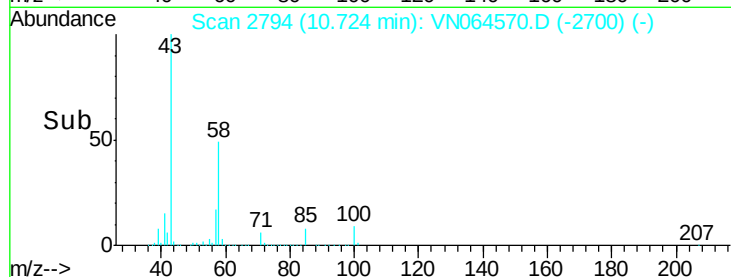
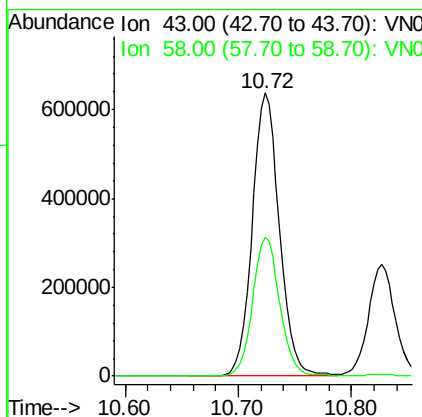
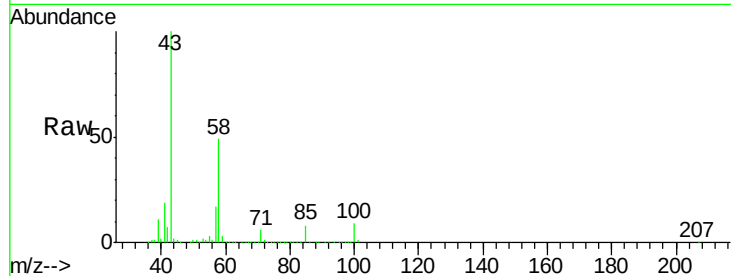
#59
2-Hexanone
Concen: 241.649 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1057404
Ion Ratio Lower Upper
43 100
58 49.3 24.7 74.1

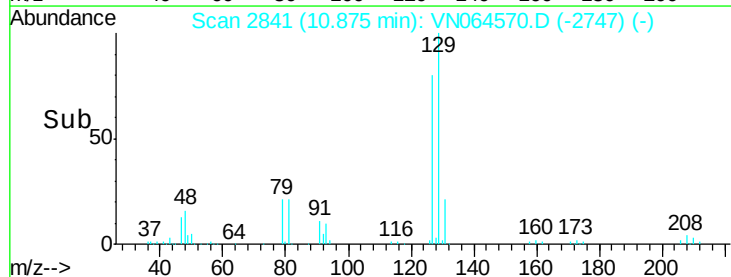
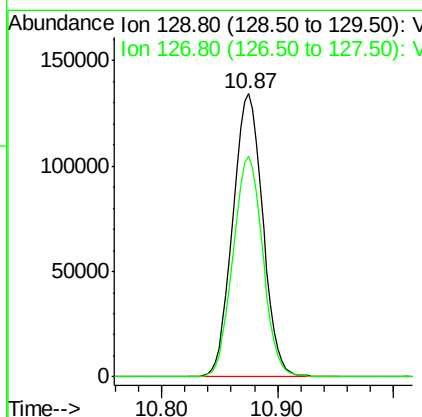
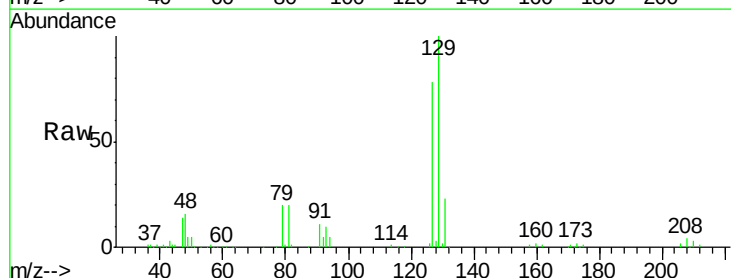
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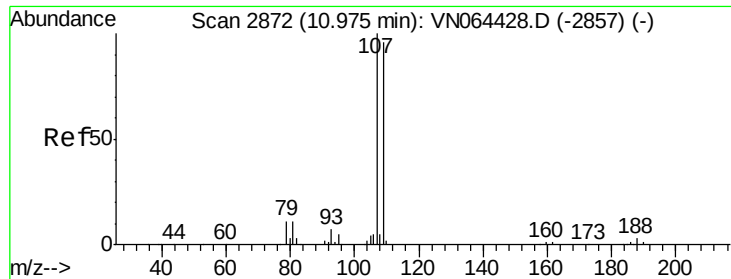
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#60
Dibromochloromethane
Concen: 54.088 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion: 129 Resp: 240470
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 52.765 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 212529

Ion Ratio Lower Upper

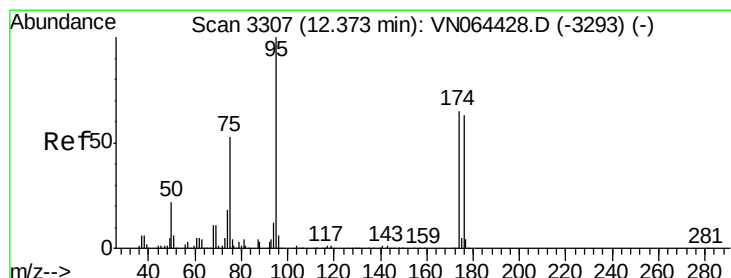
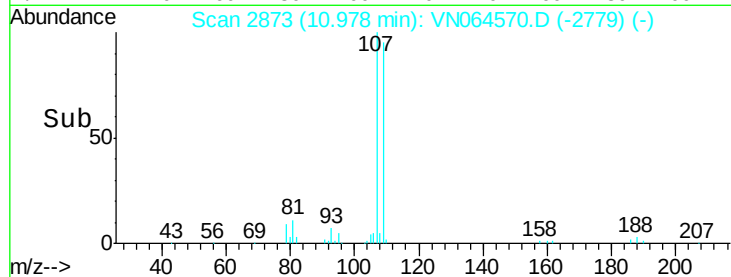
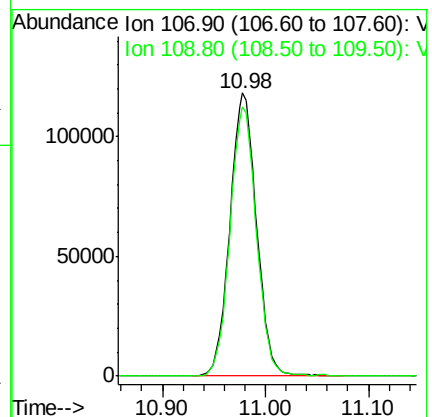
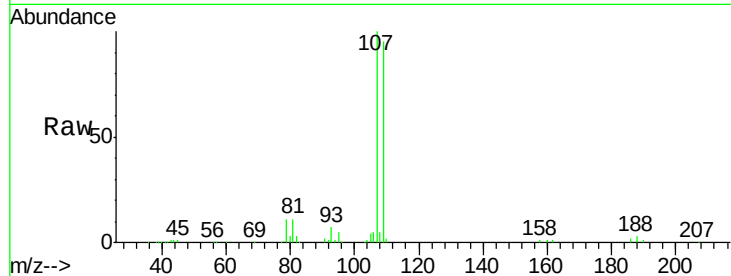
107 100

109 94.3 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 47.218 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

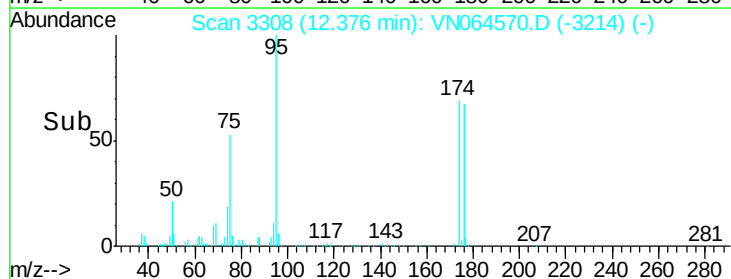
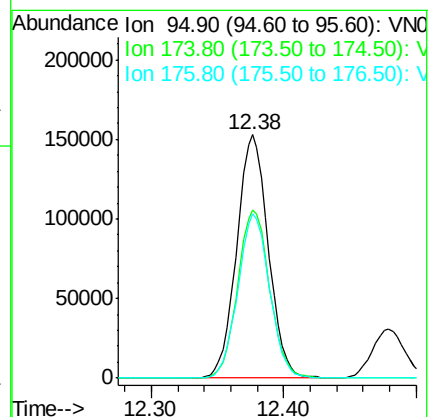
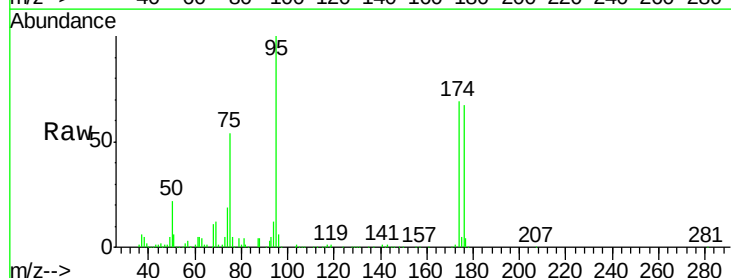
Tgt Ion: 95 Resp: 252713

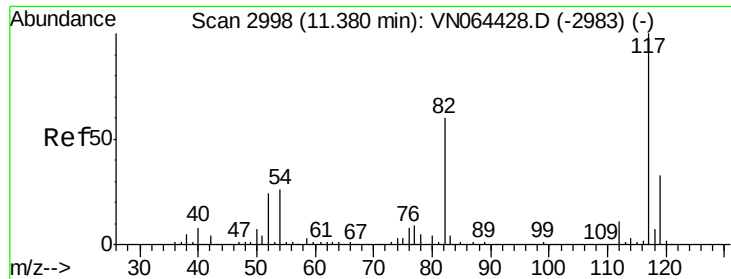
Ion Ratio Lower Upper

95 100

174 70.2 0.0 132.6

176 67.8 0.0 129.2





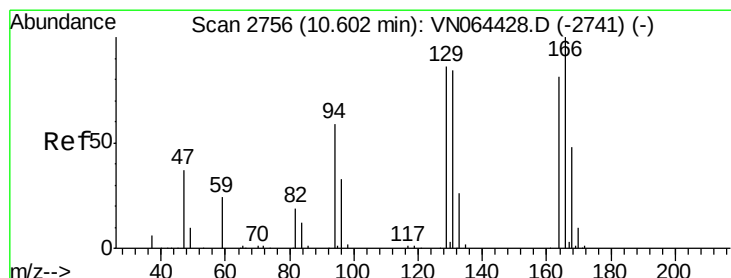
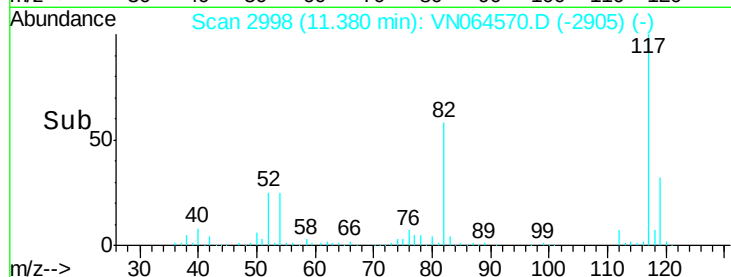
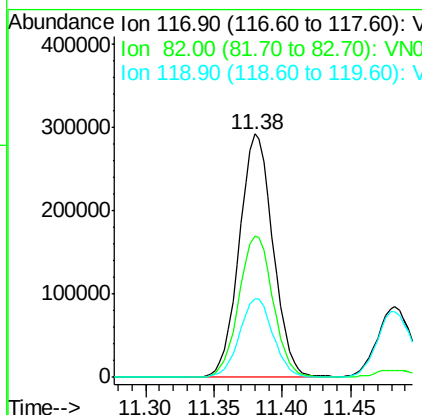
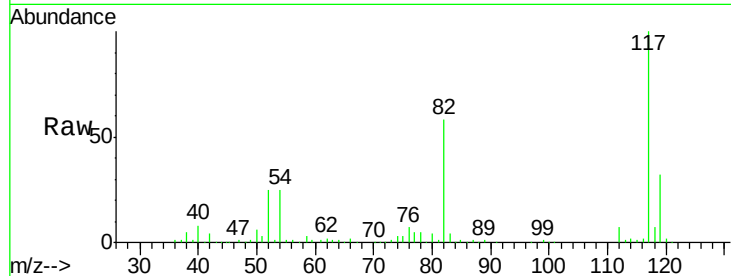
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	48.1	72.1
119	32.5	26.2	39.4

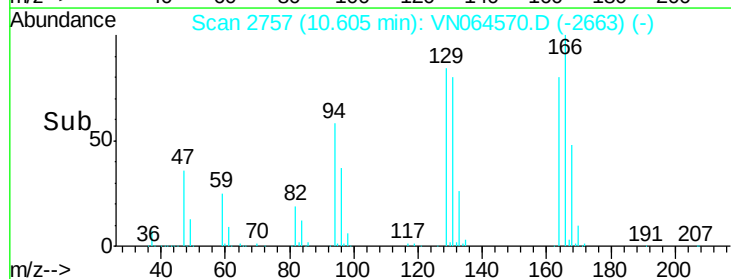
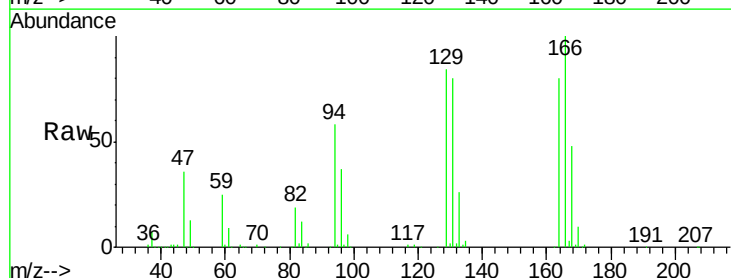
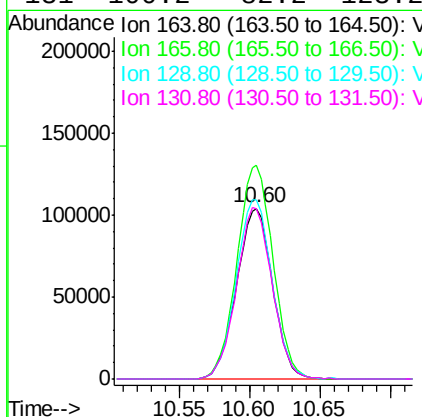
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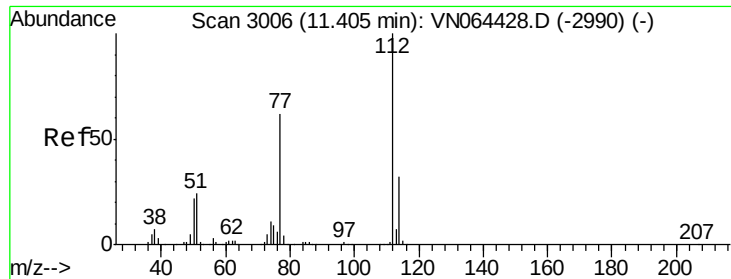
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#64
Tetrachloroethene
Concen: 48.158 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	98.2	147.2
129	105.4	84.6	127.0
131	100.2	82.2	123.2





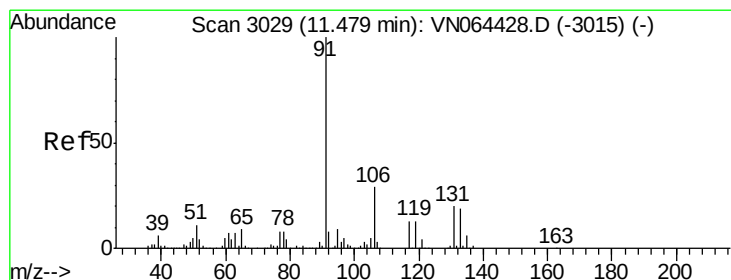
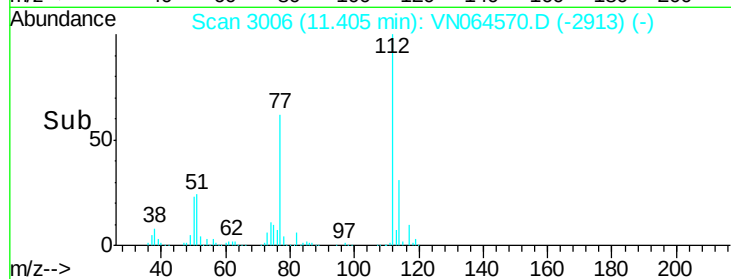
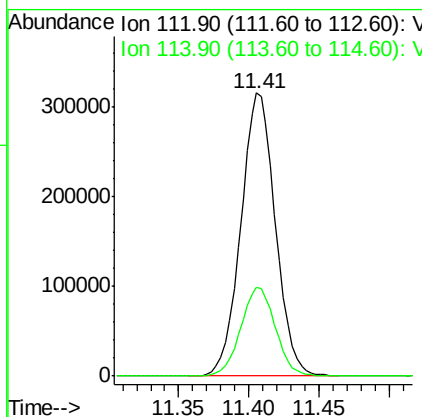
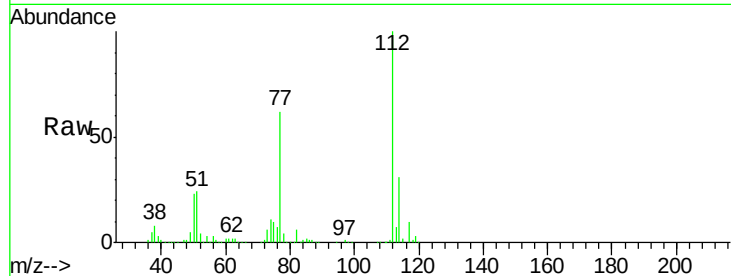
#65
Chlorobenzene
Concen: 49.022 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 540867
Ion Ratio Lower Upper
112 100
114 31.2 25.6 38.4

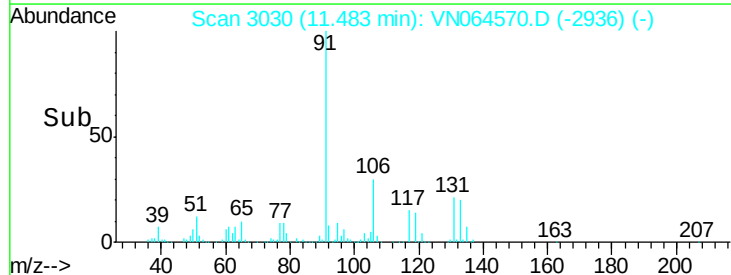
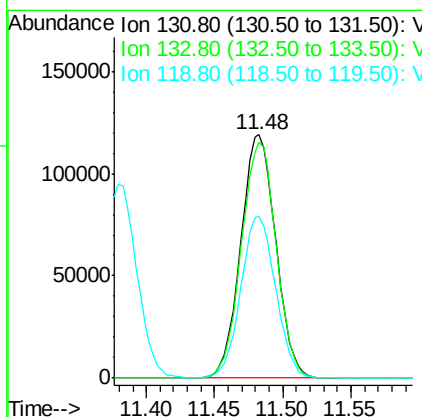
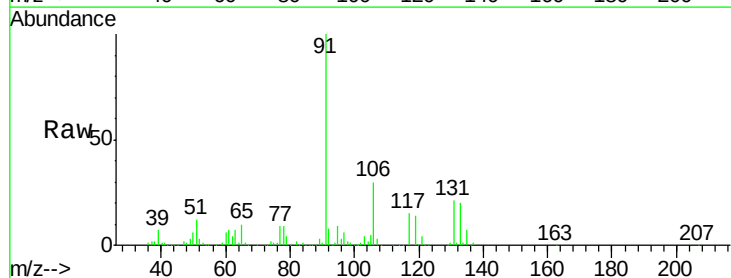
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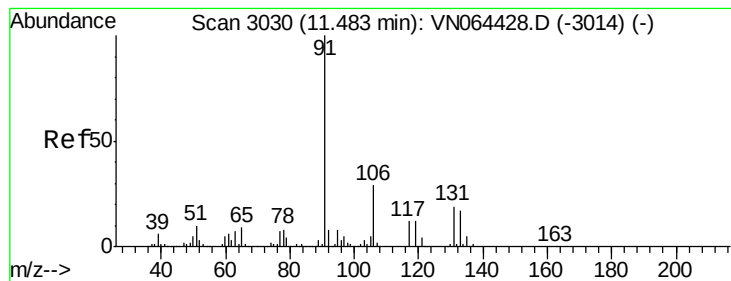
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.334 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion:131 Resp: 211293
Ion Ratio Lower Upper
131 100
133 97.0 46.9 140.7
119 66.4 32.1 96.5





#67

Ethyl Benzene

Concen: 49.863 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 978553

Ion Ratio Lower Upper

91 100

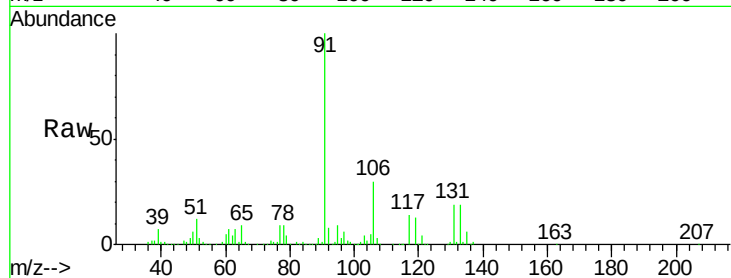
106 30.2 23.6 35.4

Manual Integrations

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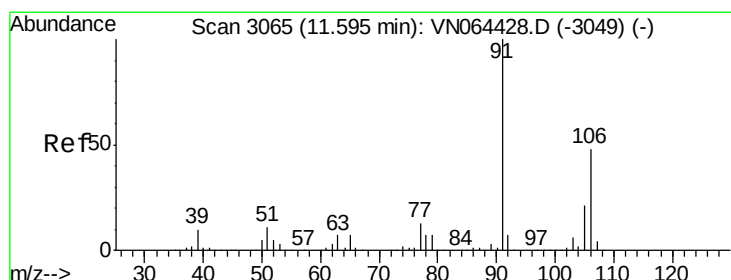
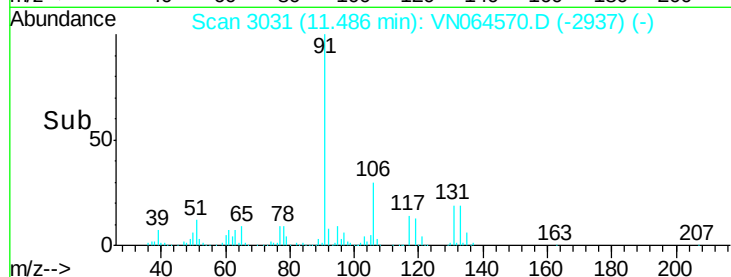
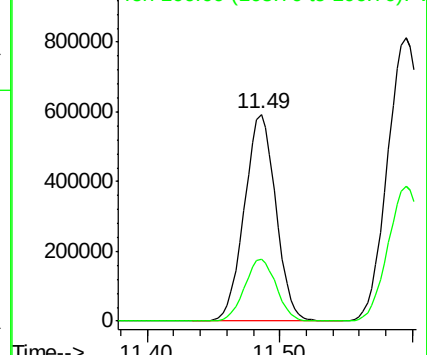
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3014) (-)

Ion 106.00 (105.70 to 106.70): VN064428.D (-3014) (-)



#68

m/p-Xylenes

Concen: 103.708 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064570.D

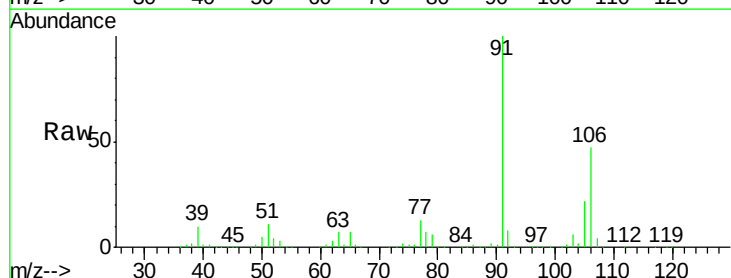
Acq: 11 Nov 2020 21:16

Tgt Ion: 106 Resp: 738108

Ion Ratio Lower Upper

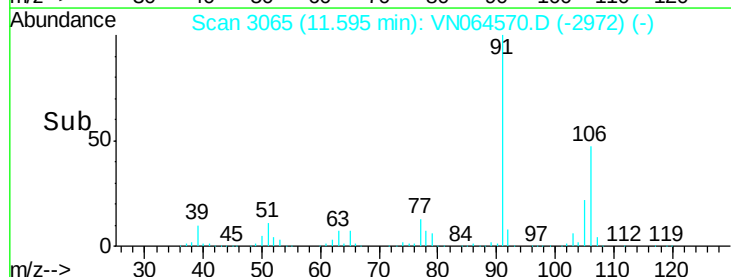
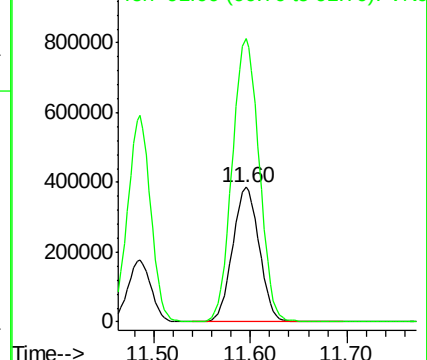
106 100

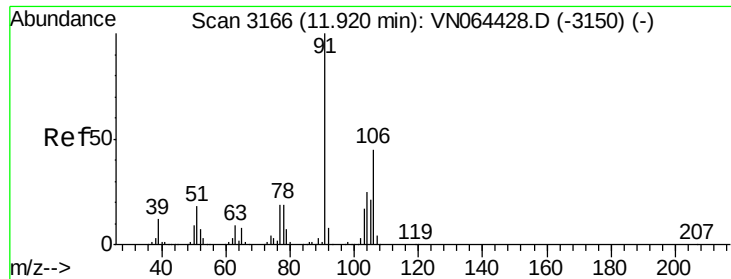
91 212.8 169.4 254.2



Abundance Ion 106.00 (105.70 to 106.70): VN064428.D (-3049) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-3049) (-)





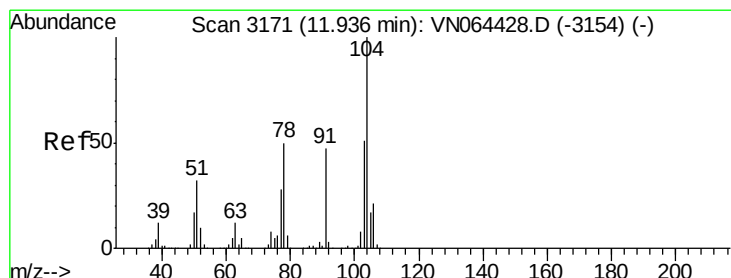
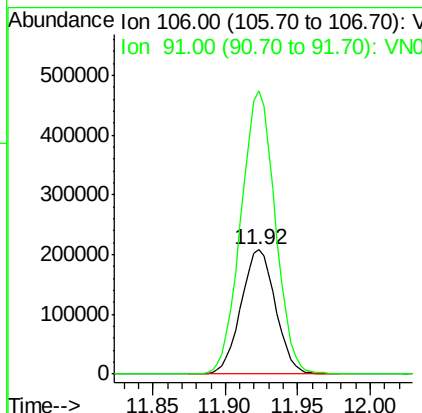
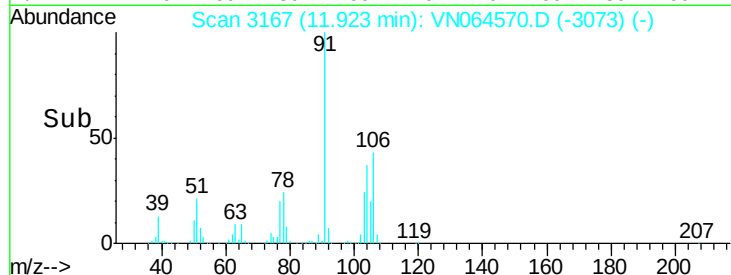
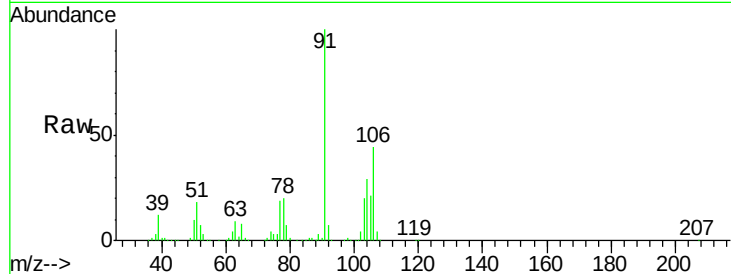
#69
o-Xylene
Concen: 50.194 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 345208
Ion Ratio Lower Upper
106 100
91 226.9 111.7 334.9

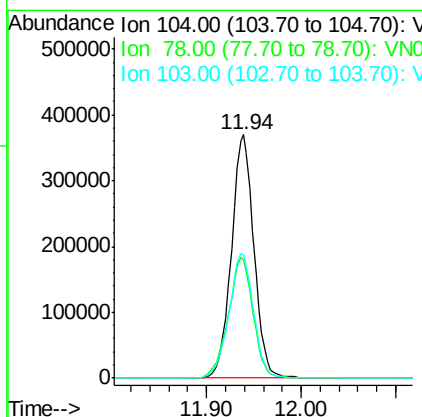
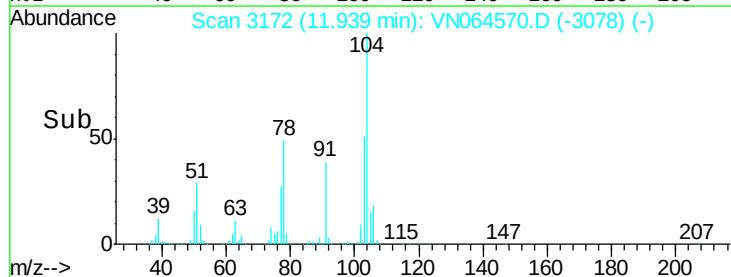
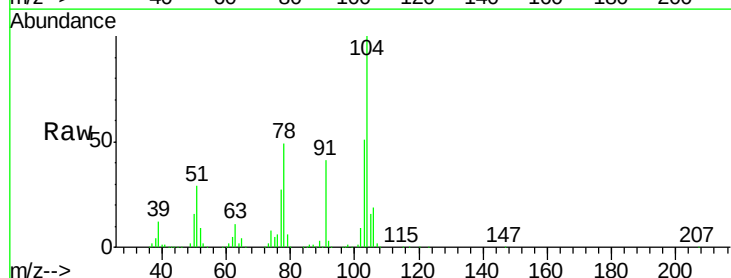
Manual Integrations
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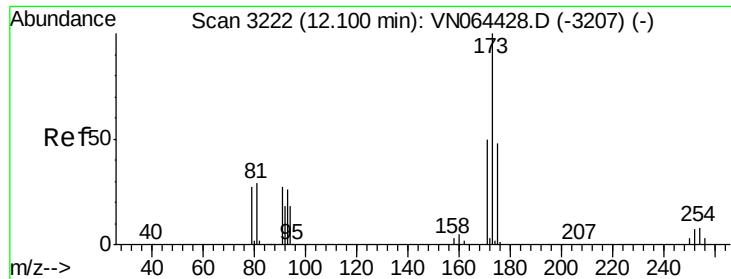
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#70
Styrene
Concen: 52.724 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion:104 Resp: 610164
Ion Ratio Lower Upper
104 100
78 54.4 44.0 66.0
103 55.8 43.8 65.6





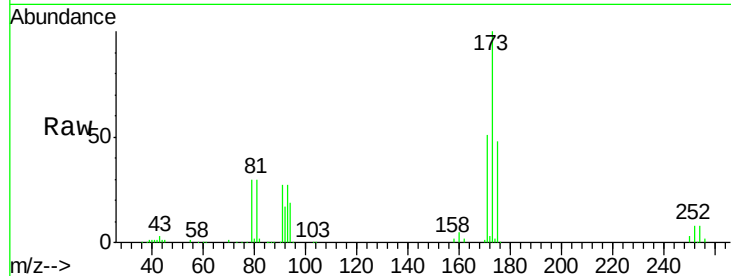
#71
Bromoform
Concen: 50.873 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.7	71.1
254	0.0	0.0	0.0

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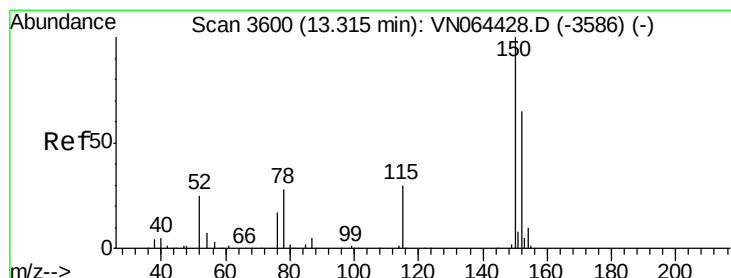
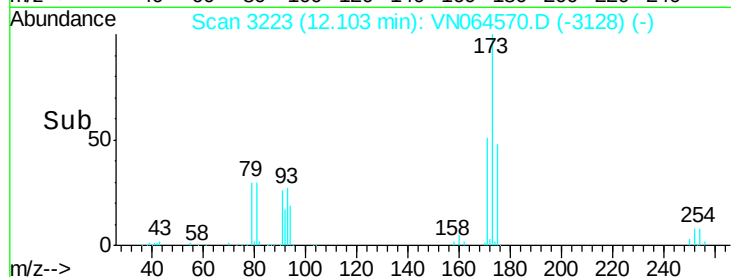
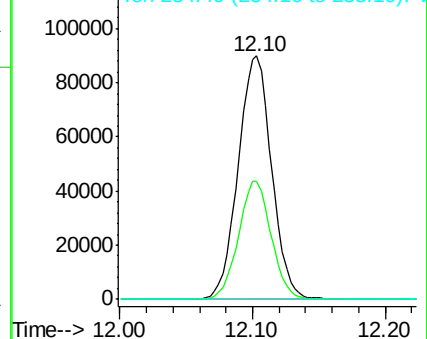


Abundance

Ion 172.70 (172.40 to 173.40): V

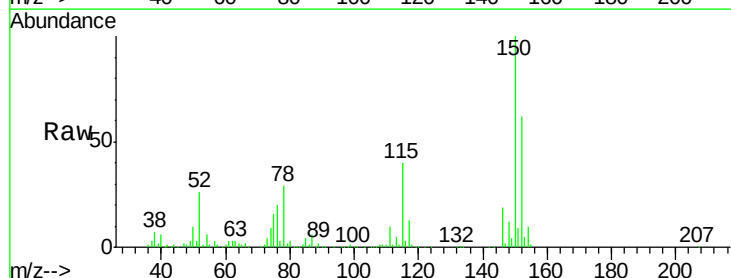
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.8	32.0	96.0
150	172.9	0.0	353.8

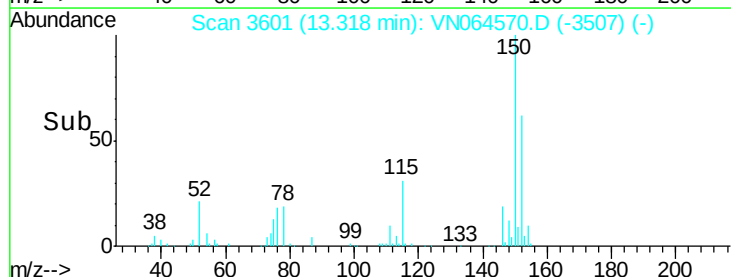
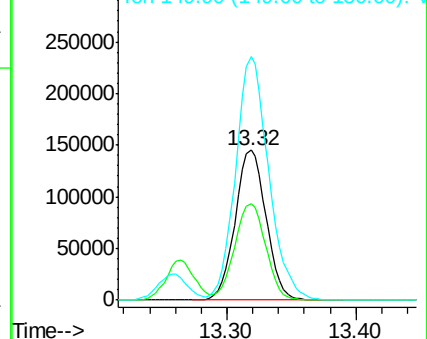


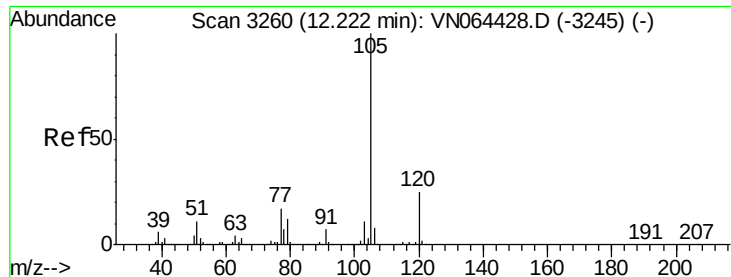
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.015 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 921923

Ion Ratio Lower Upper

105 100

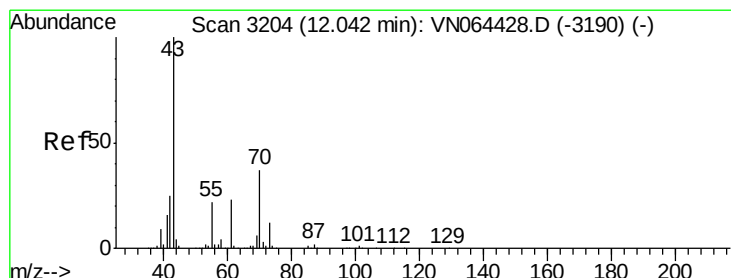
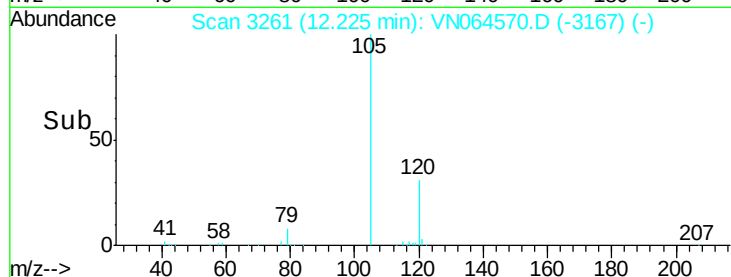
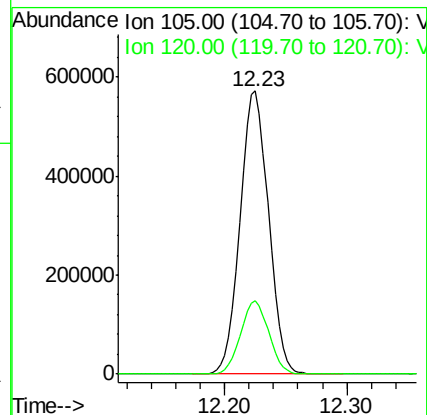
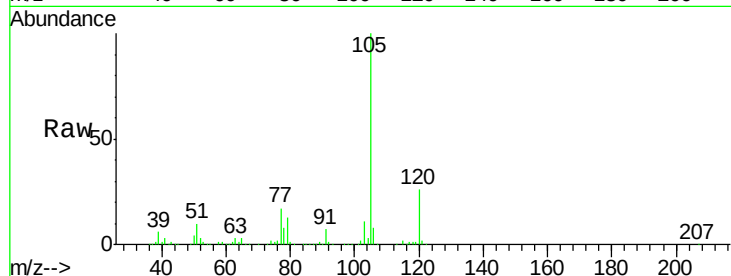
120 25.7 12.8 38.3

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#74

N-ethyl acetate

Concen: 45.149 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Tgt Ion: 43 Resp: 419318

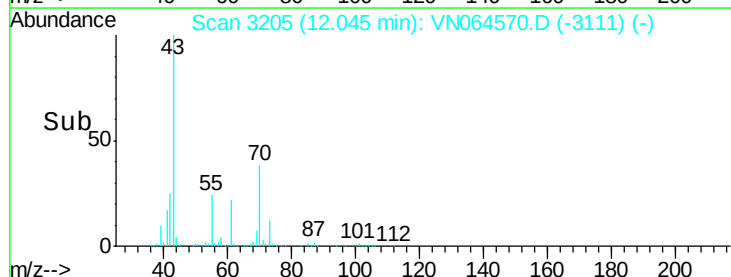
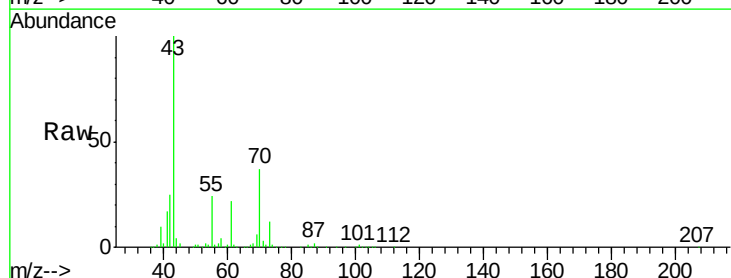
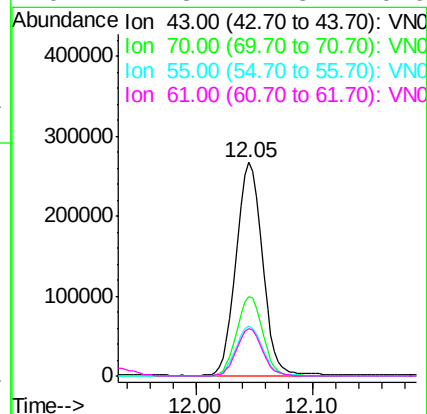
Ion Ratio Lower Upper

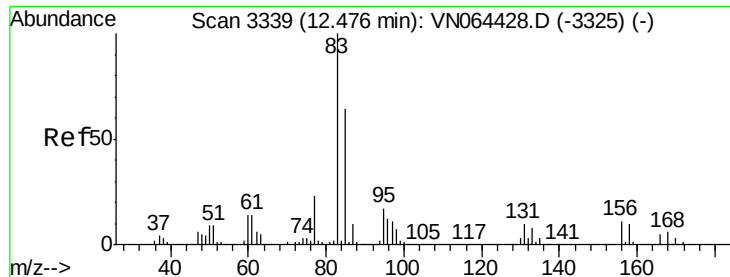
43 100

70 37.0 29.6 44.4

55 23.9 18.4 27.6

61 21.8 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.347 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

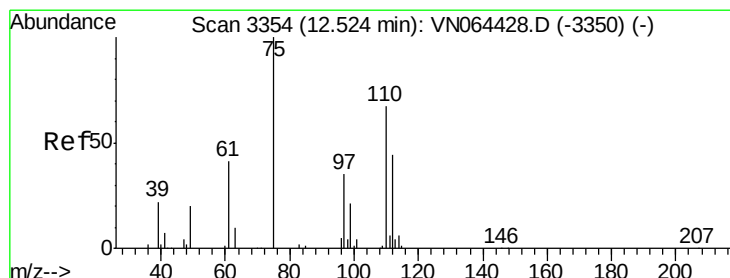
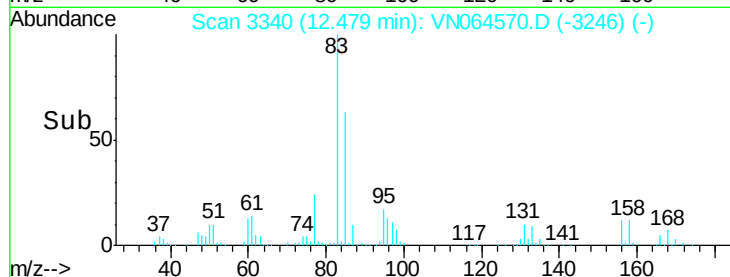
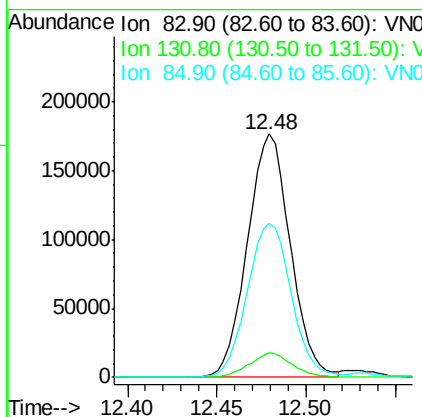
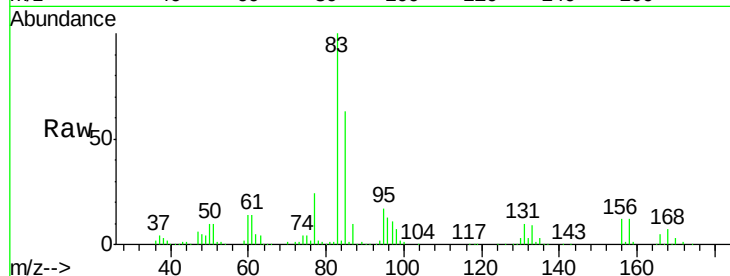
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	296925
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.7
85	64.7	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 48.664 ug/l m

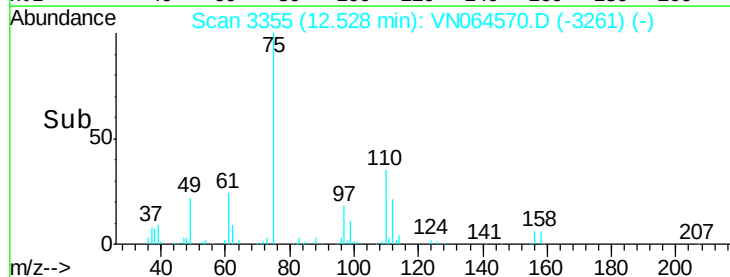
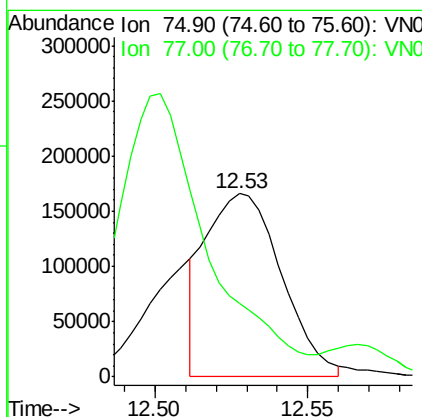
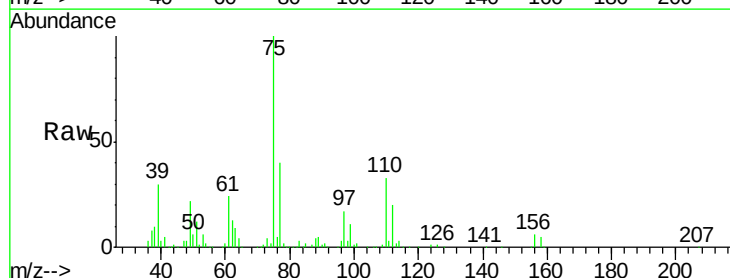
RT: 12.53 min Scan# 3355

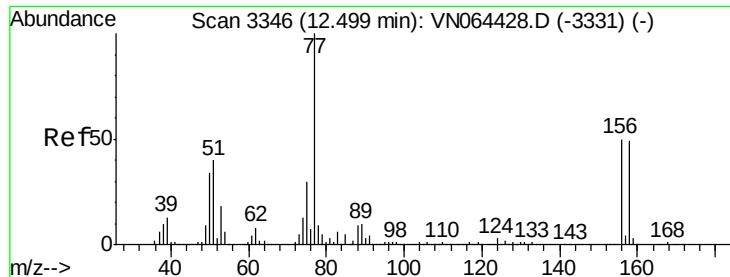
Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Tgt Ion:	75	Resp:	284832
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





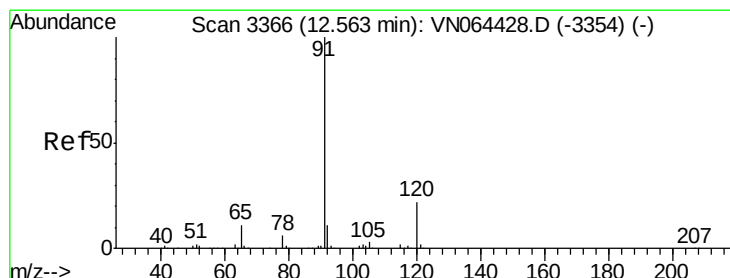
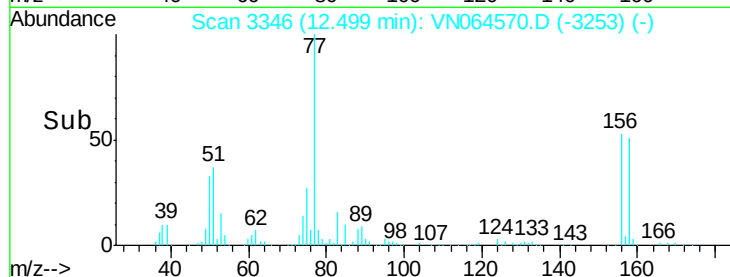
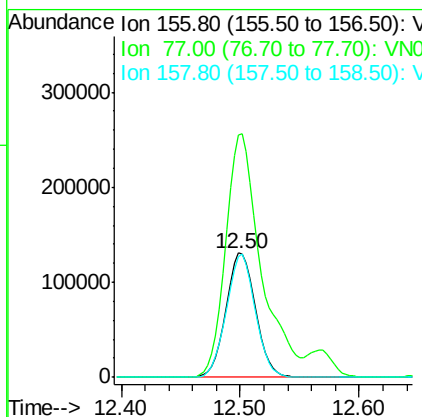
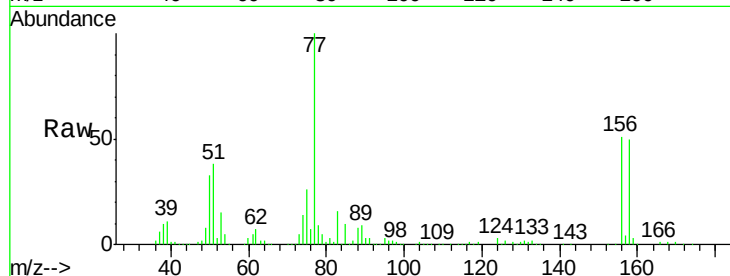
#77
Bromobenzene
Concen: 48.200 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	232.4	119.0	357.0	
158	96.7	48.4	145.3	

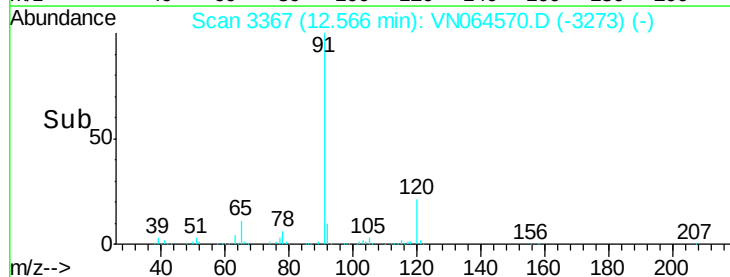
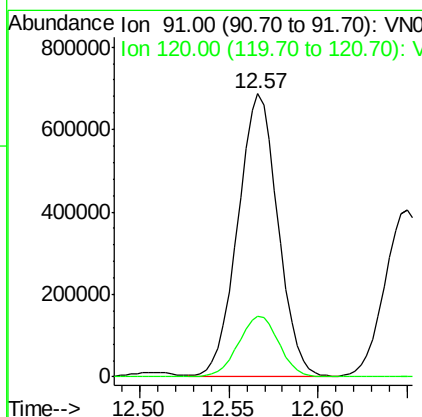
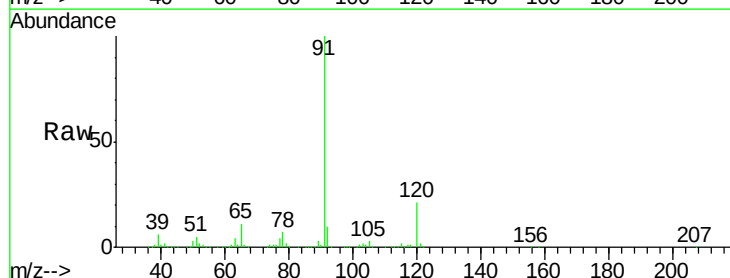
Manual Integrations
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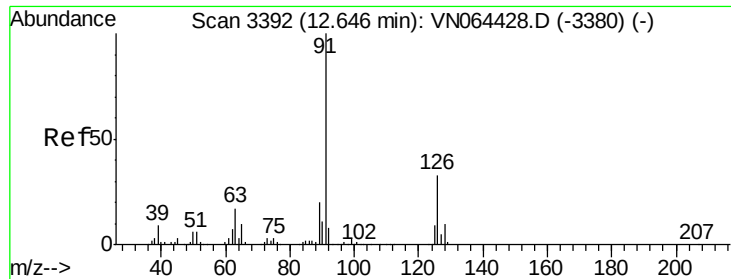
MMDadoda
11/12/2020 9:13:18 AM



#78
n-propylbenzene
Concen: 48.905 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064570.D
Acq: 11 Nov 2020 21:16

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	11.0	33.0	





#79

2-Chlorotoluene

Concen: 48.216 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 669421

Ion Ratio Lower Upper

91 100

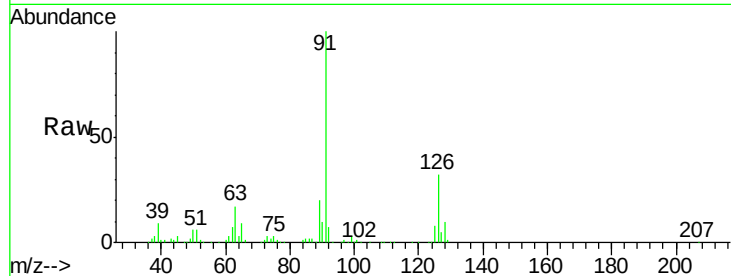
126 32.0 16.4 49.1

Manual Integrations

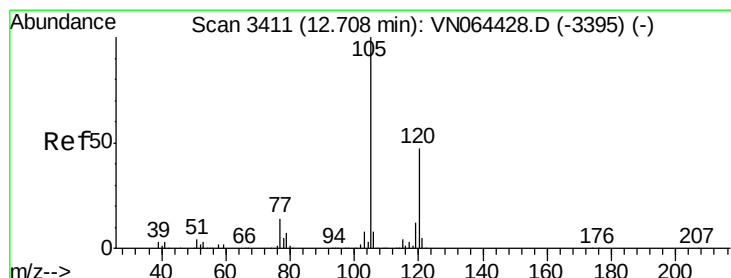
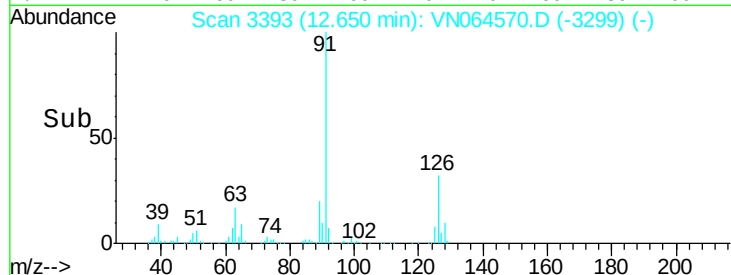
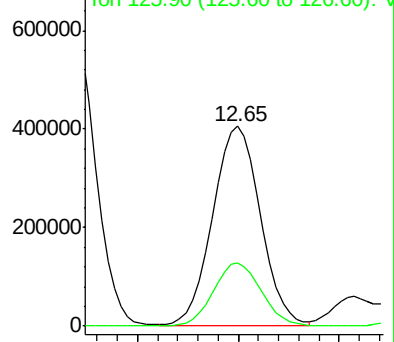
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Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.619 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064570.D

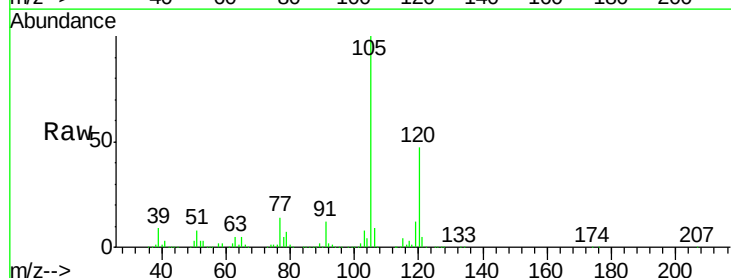
Acq: 11 Nov 2020 21:16

Tgt Ion: 105 Resp: 785961

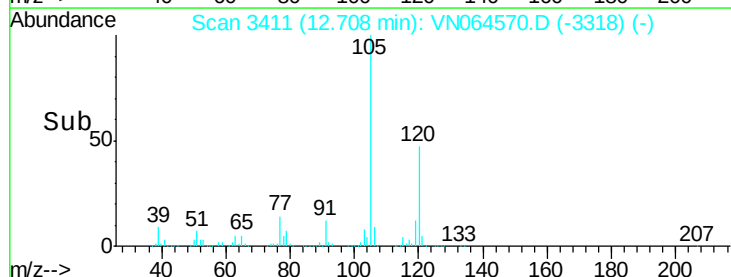
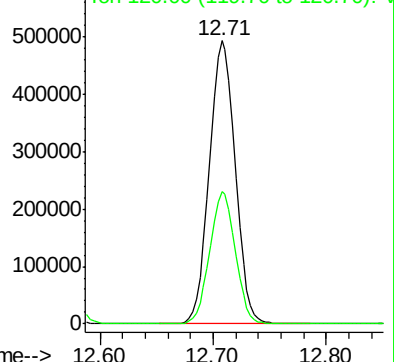
Ion Ratio Lower Upper

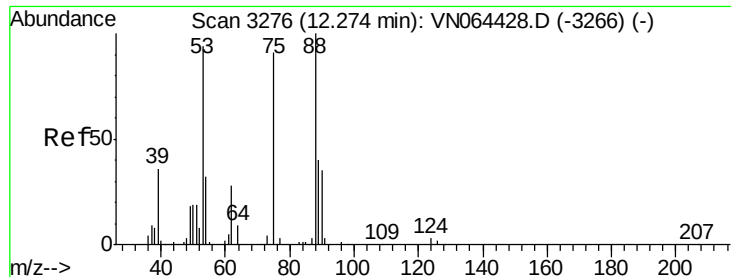
105 100

120 46.4 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064428.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.622 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 97733

Ion Ratio Lower Upper

75 100

53 107.3 84.0 126.0

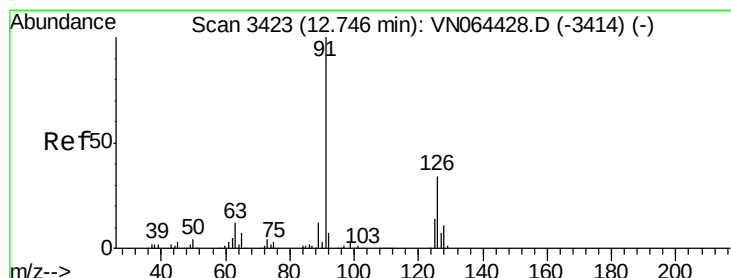
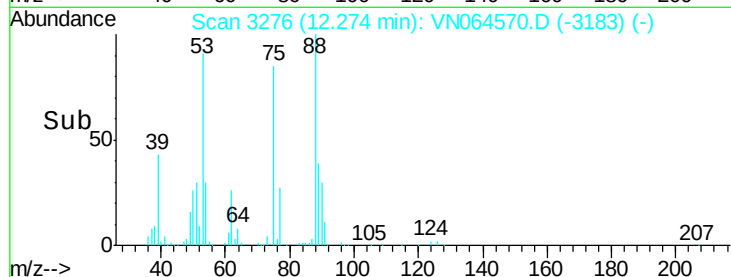
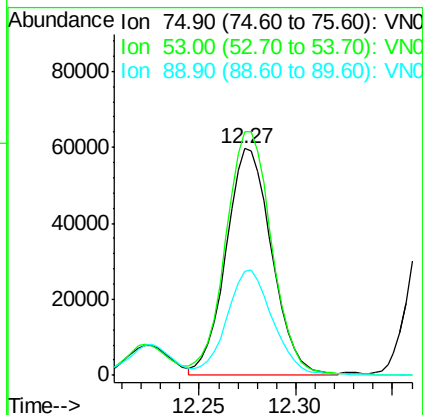
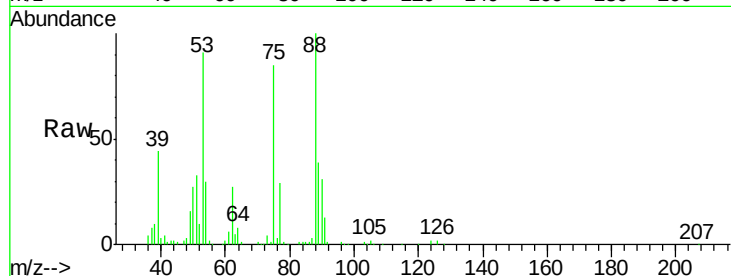
89 46.7 36.3 54.5

Manual Integrations

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#82

4-Chlorotoluene

Concen: 49.111 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064570.D

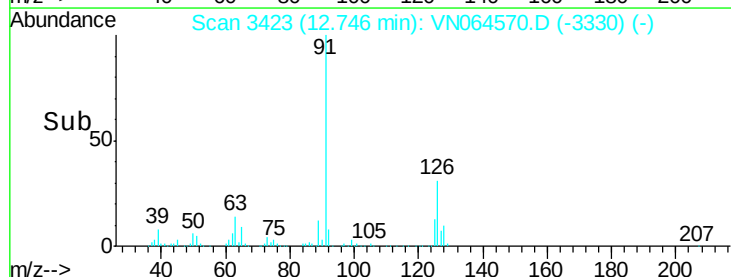
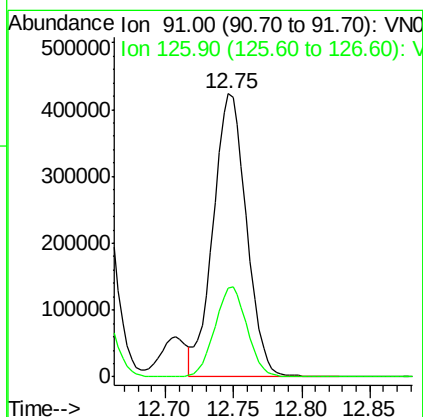
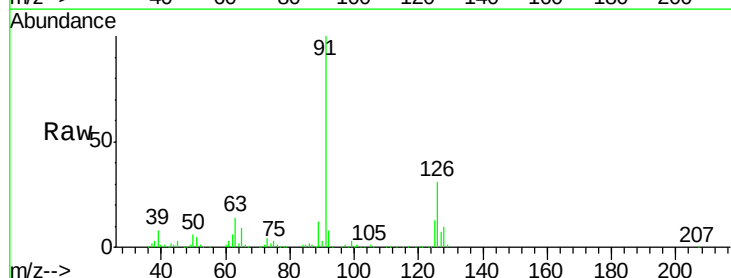
Acq: 11 Nov 2020 21:16

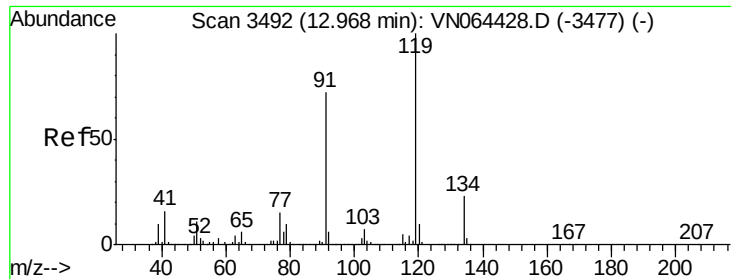
Tgt Ion: 91 Resp: 714066

Ion Ratio Lower Upper

91 100

126 30.7 15.4 46.2





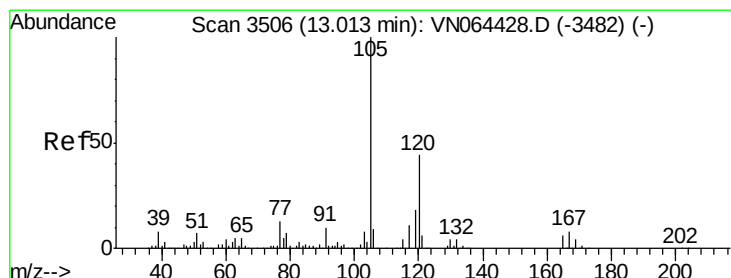
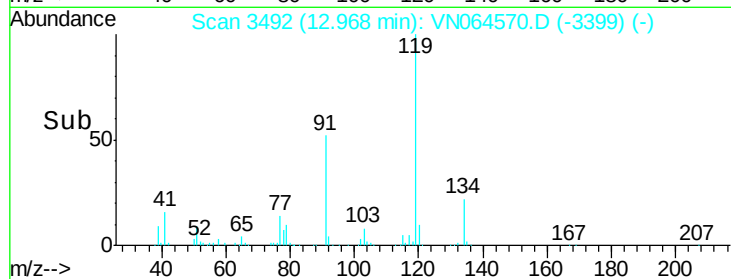
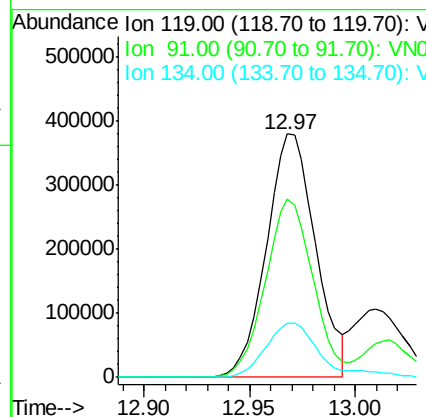
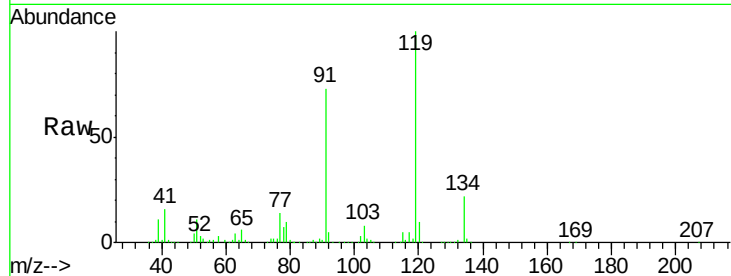
#83
 tert-Butylbenzene
 Concen: 49.719 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.9	36.1	108.3
134	24.9	11.7	35.1

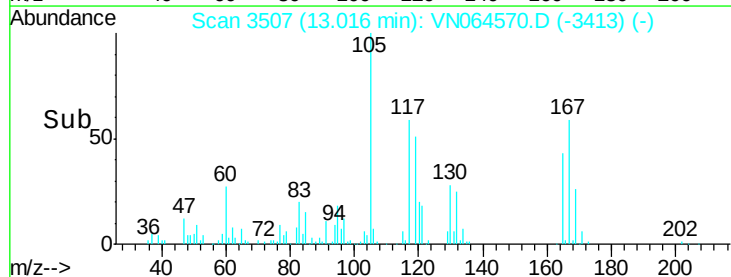
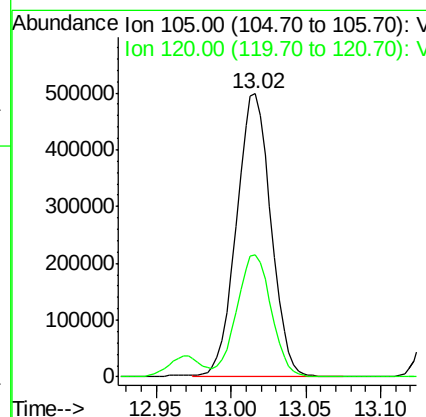
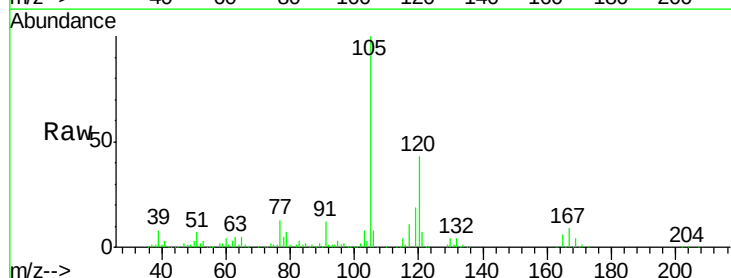
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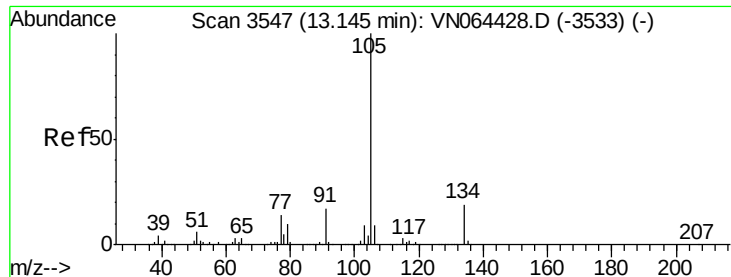
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.135 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.9	65.7





#85

sec-Butylbenzene

Concen: 51.777 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 811239

Ion Ratio Lower Upper

105 100

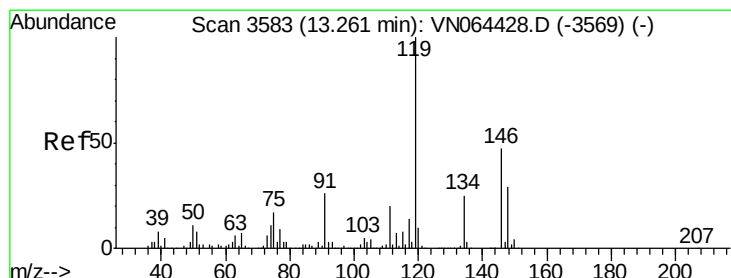
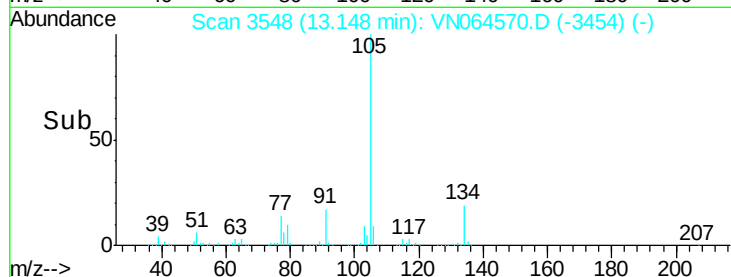
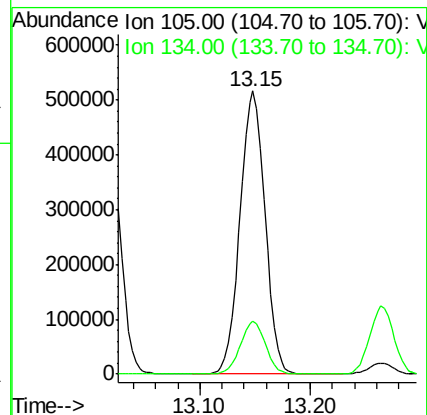
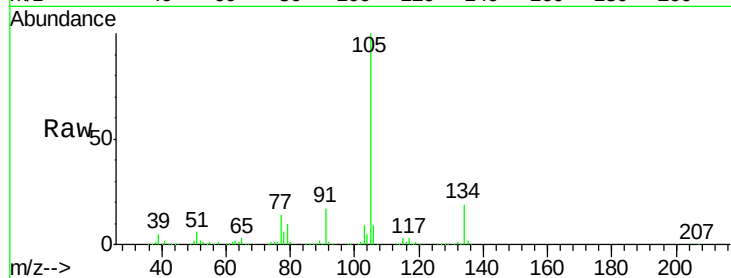
134 18.7 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.585 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

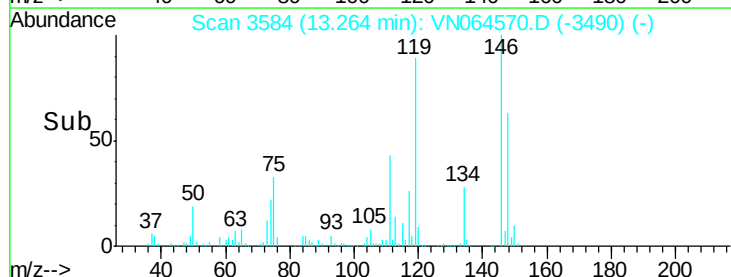
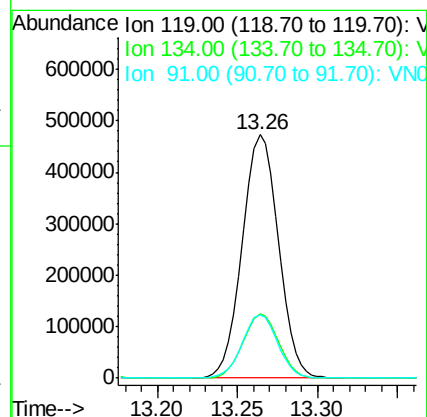
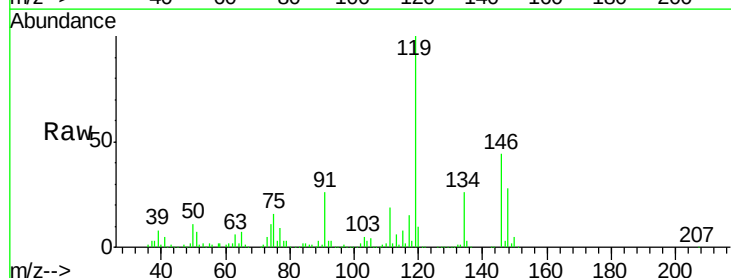
Tgt Ion:119 Resp: 726980

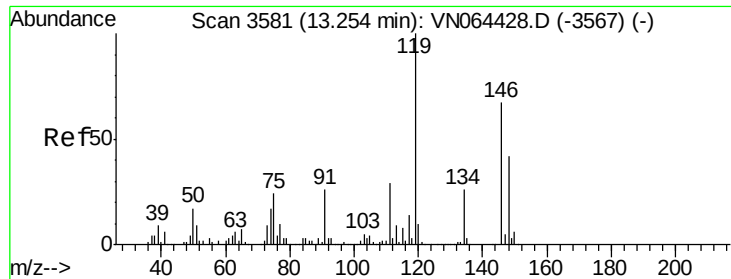
Ion Ratio Lower Upper

119 100

134 26.0 12.6 37.6

91 25.4 12.8 38.3





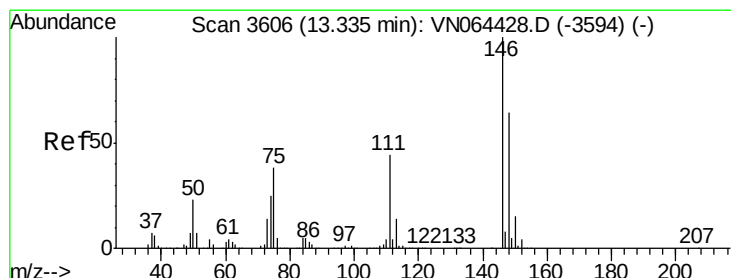
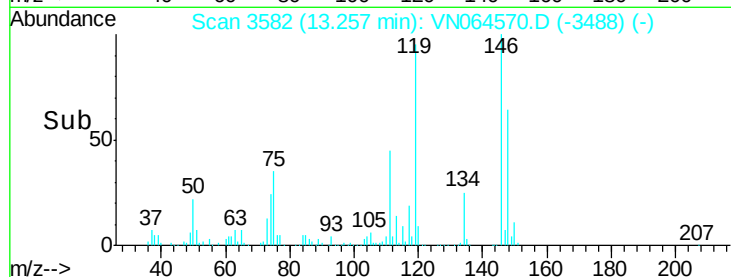
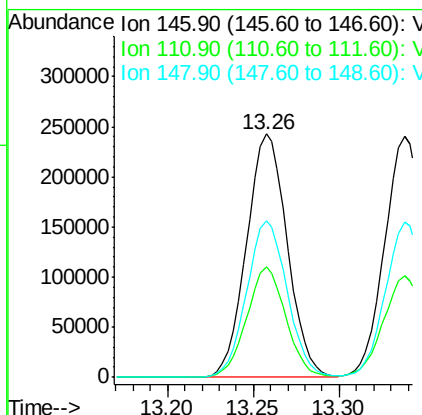
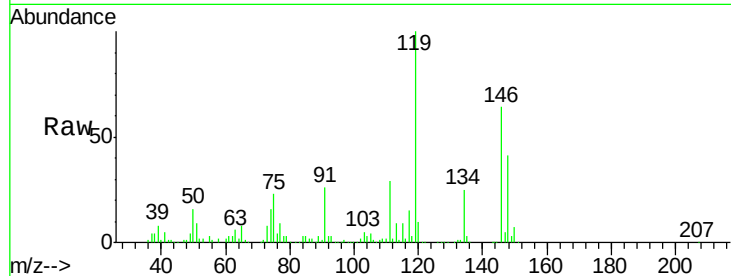
#87
 1,3-Dichlorobenzene
 Concen: 49.305 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.1	66.1
148	63.8	31.7	95.1

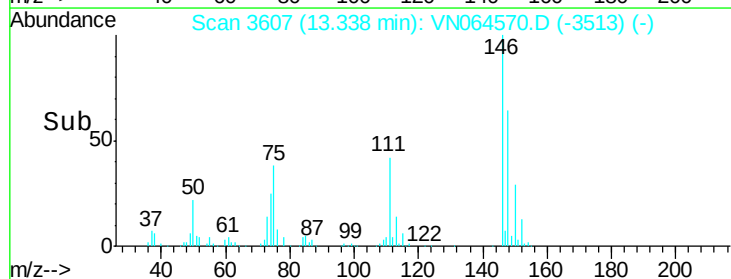
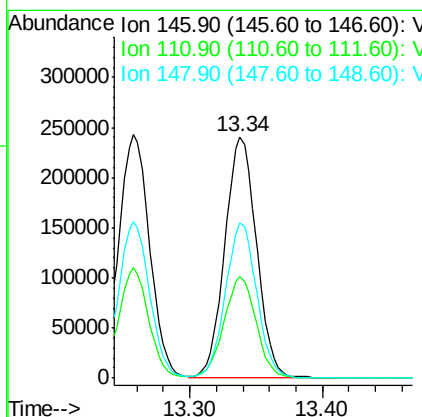
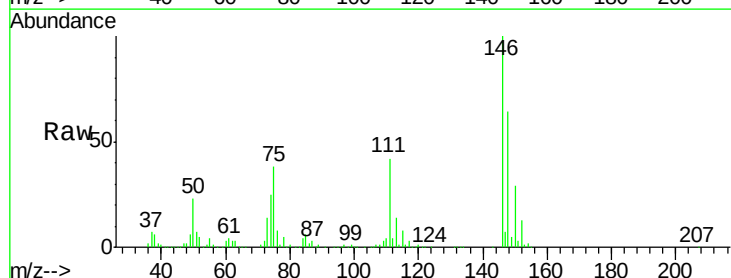
Manual Integrations
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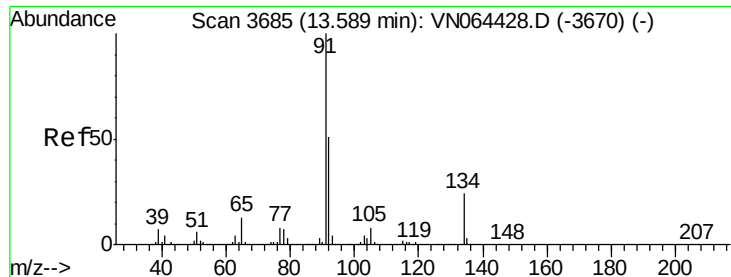
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#88
 1,4-Dichlorobenzene
 Concen: 47.617 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.8	65.3
148	63.2	32.4	97.2





#89

n-Butylbenzene

Concen: 49.173 ug/l

RT: 13.59 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

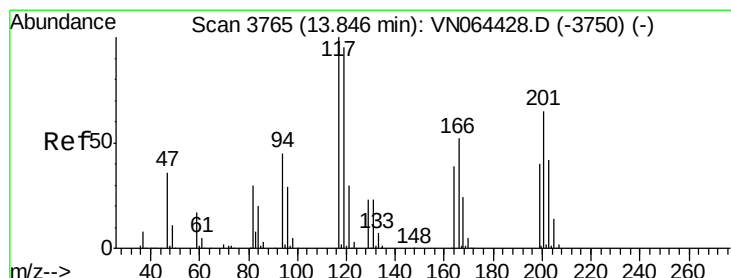
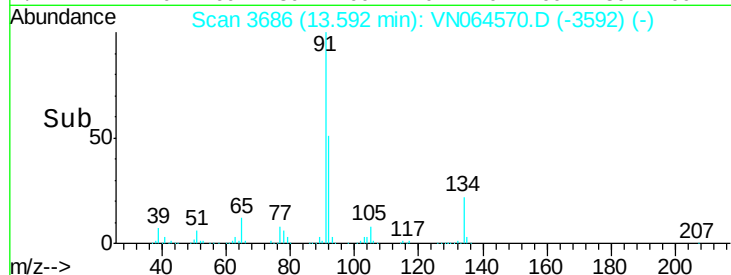
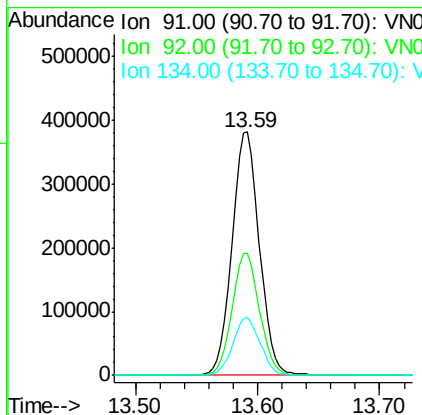
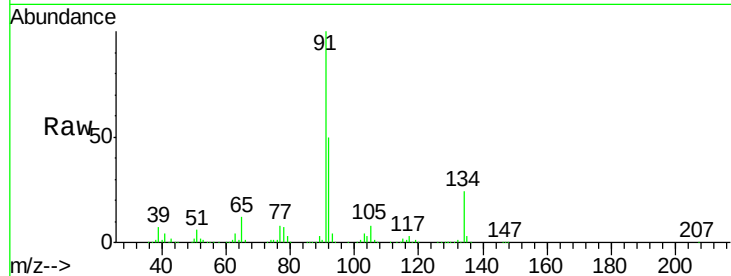
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	595835
Ion	Ratio	Lower	Upper
91	100		
92	50.1	25.3	75.9
134	23.6	11.8	35.4

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#90

Hexachloroethane

Concen: 51.990 ug/l

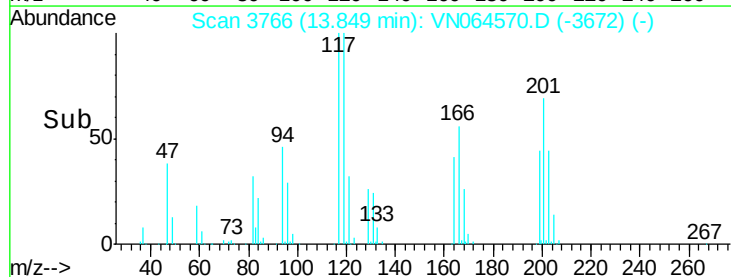
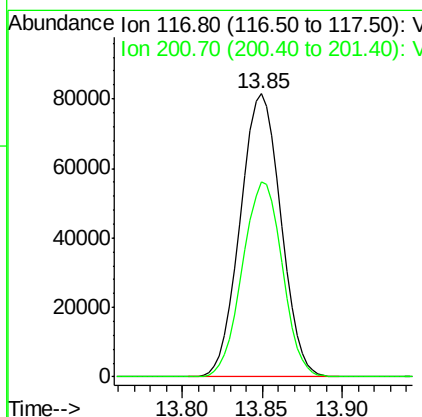
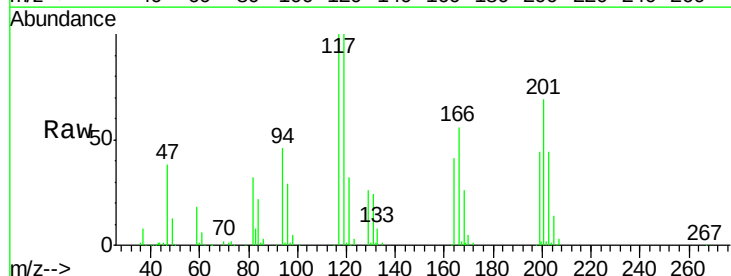
RT: 13.85 min Scan# 3766

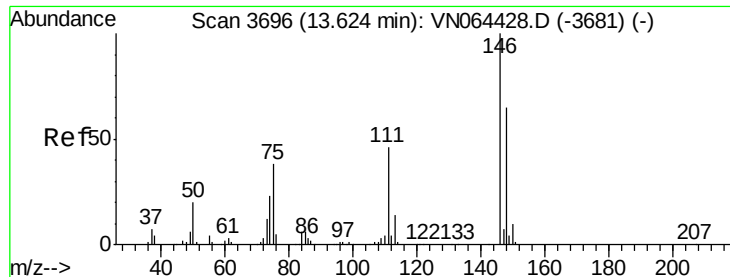
Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Tgt Ion:	117	Resp:	141341
Ion	Ratio	Lower	Upper
117	100		
201	67.5	32.5	97.5





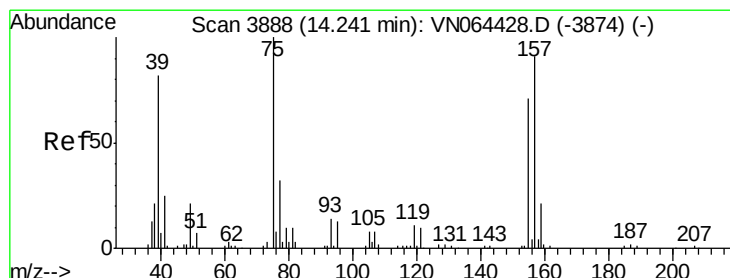
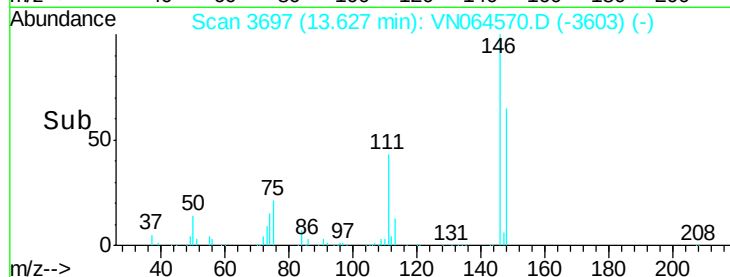
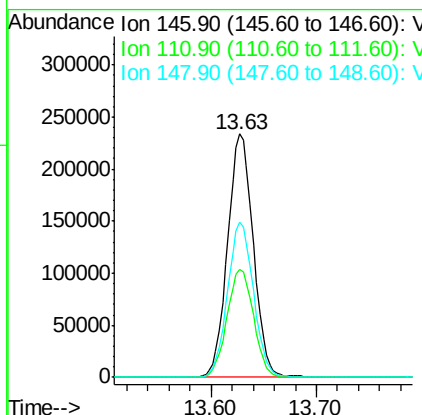
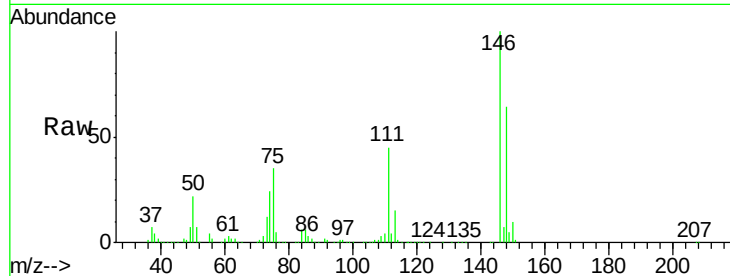
#91
 1,2-Dichlorobenzene
 Concen: 50.499 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.9	68.7
148	64.2	32.0	96.2

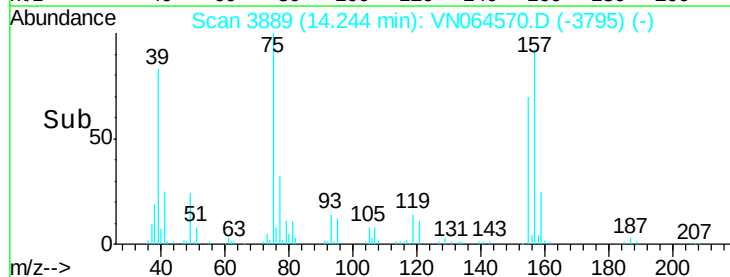
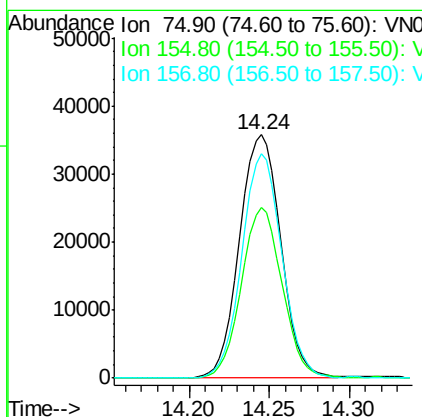
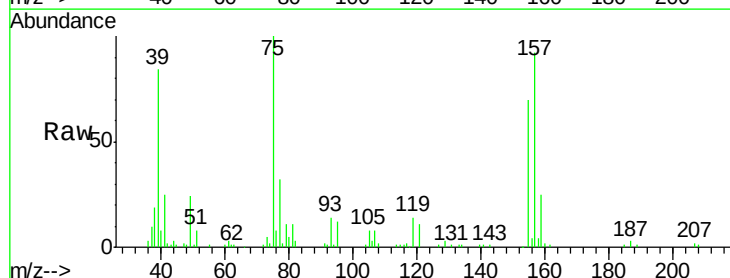
Manual Integrations
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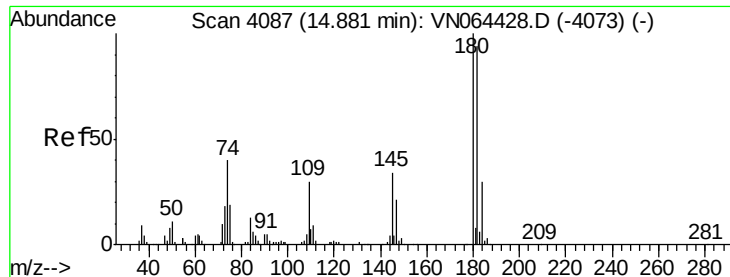
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.925 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.7	34.6	103.9
157	88.9	43.0	128.8





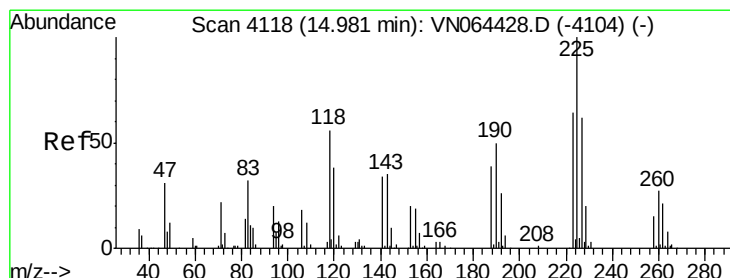
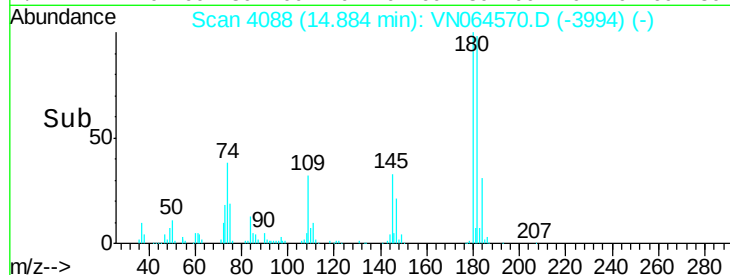
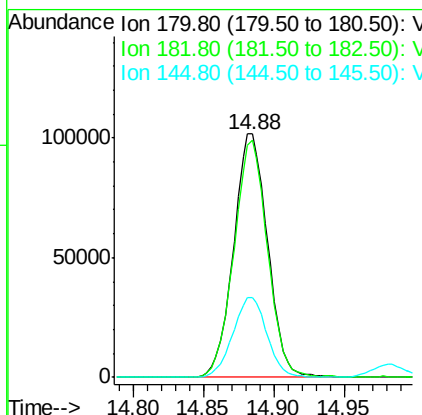
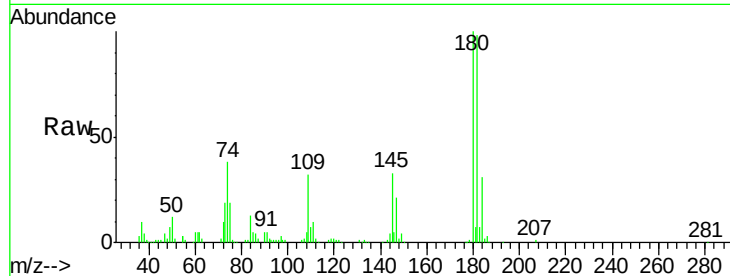
#93
 1,2,4-Trichlorobenzene
 Concen: 44.705 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	172136		
182	95.6	47.3	142.0	
145	32.8	16.7	50.1	

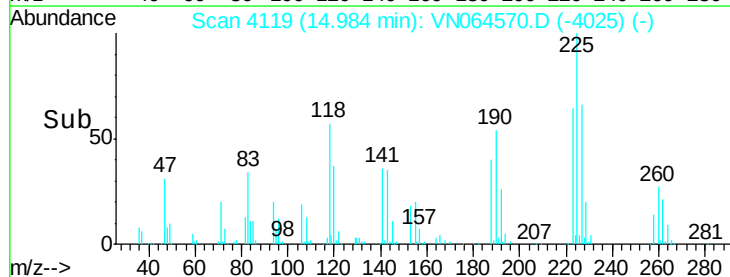
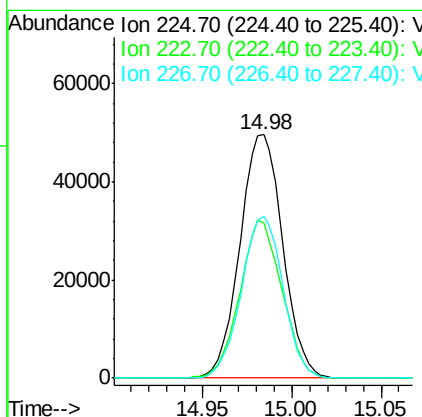
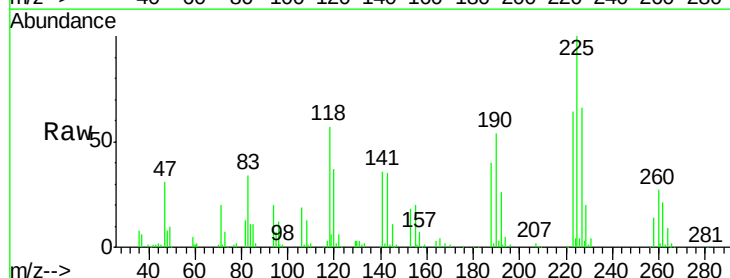
Manual Integrations
 APPROVED

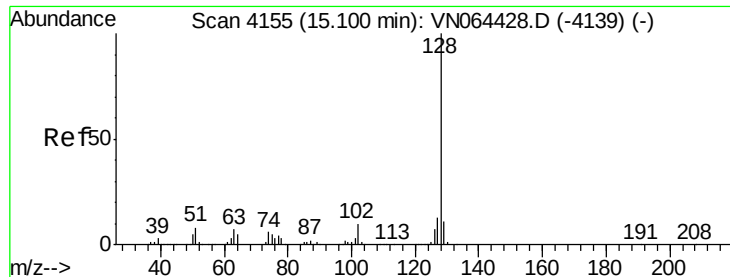
MMDadoda
 11/12/2020 9:13:18 AM



#94
 Hexachlorobutadiene
 Concen: 52.343 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064570.D
 Acq: 11 Nov 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83068		
223	63.8	31.8	95.4	
227	64.7	31.8	95.4	





#95

Naphthalene

Concen: 43.022 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Instrument :

MSVOA_N

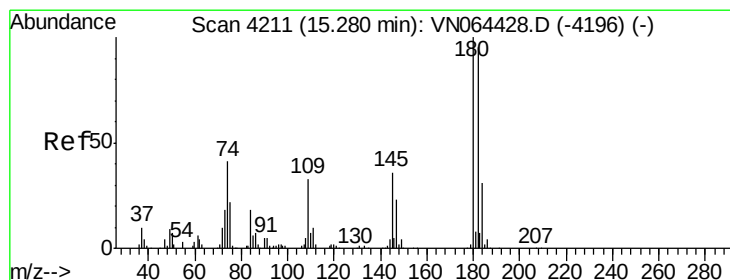
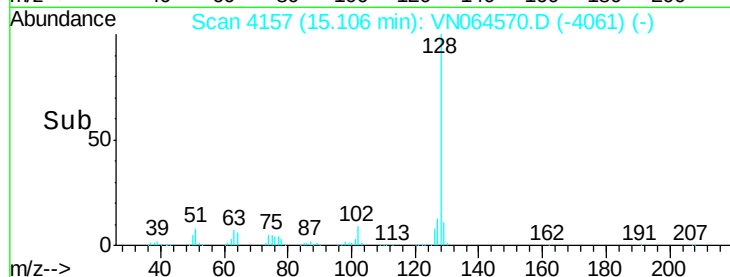
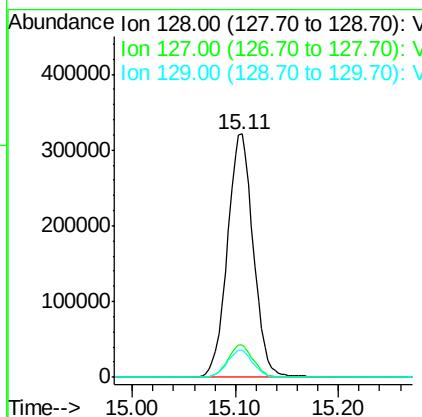
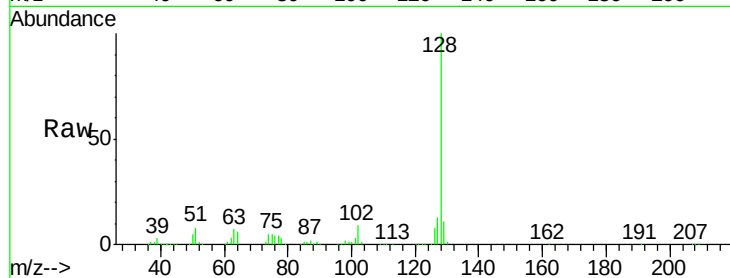
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	562788
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:13:18 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.350 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064570.D

Acq: 11 Nov 2020 21:16

Tgt Ion:	180	Resp:	176985
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.7	143.1
145	34.3	18.3	54.8

