

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103020\
 Data File : VN064389.D
 Acq On : 30 Oct 2020 10:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 4:11:31 PM

Quant Time: Oct 30 13:42:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	248671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	396204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	376925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	174259	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	189579	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	7.54	113	130202	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	10.05	98	477814	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.37	95	184112	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	148704	52.022	ug/l	99
3) Chloromethane	2.04	50	150617	48.744	ug/l	99
4) Vinyl Chloride	2.16	62	157815	52.802	ug/l	97
5) Bromomethane	2.53	94	94744	49.058	ug/l	100
6) Chloroethane	2.67	64	93091	52.125	ug/l	100
7) Trichlorofluoromethane	2.98	101	283748	56.670	ug/l	99
8) Diethyl Ether	3.37	74	86810	54.806	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	136431	54.213	ug/l	98
10) Methyl Iodide	3.91	142	154866	46.115	ug/l	99
11) Tert butyl alcohol	4.72	59	123915	213.610	ug/l	99
12) 1,1-Dichloroethene	3.69	96	124541	52.421	ug/l	94
13) Acrolein	3.57	56	24842	201.061	ug/l	96
14) Allyl chloride	4.27	41	232998	48.031	ug/l	94
15) Acrylonitrile	4.92	53	310960	249.269	ug/l	99
16) Acetone	3.77	43	405835	299.337	ug/l	98
17) Carbon Disulfide	4.01	76	347996	49.508	ug/l	99
18) Methyl Acetate	4.27	43	146451	48.787	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	481516	52.750	ug/l	98
20) Methylene Chloride	4.50	84	145187	51.230	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	139778	52.741	ug/l	92
22) Diisopropyl ether	5.89	45	513674	54.174	ug/l	98
23) Vinyl Acetate	5.84	43	2179701	271.719	ug/l	100
24) 1,1-Dichloroethane	5.79	63	277921	52.381	ug/l	99
25) 2-Butanone	6.78	43	528715	263.507	ug/l	99
26) 2,2-Dichloropropane	6.77	77	275817	53.116	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	160705	52.984	ug/l	97
28) Bromochloromethane	7.14	49	125875	49.794	ug/l	99
29) Tetrahydrofuran	7.16	42	304353	233.655	ug/l	100
30) Chloroform	7.32	83	302209	53.362	ug/l	100
31) Cyclohexane	7.61	56	218914	47.201	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	285242	52.451	ug/l	99
36) 1,1-Dichloropropene	7.75	75	217937	54.503	ug/l	99
37) Ethyl Acetate	6.87	43	202240	50.072	ug/l	99
38) Carbon Tetrachloride	7.73	117	258263	55.711	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	186402	47.014	ug/l	98
40) Benzene	8.00	78	598429	53.766	ug/l	97
41) Methacrylonitrile	7.12	41	100924	50.337	ug/l	92
42) 1,2-Dichloroethane	8.08	62	267363	55.608	ug/l	99
43) Isopropyl Acetate	8.12	43	367481	53.225	ug/l #	91
44) Trichloroethene	8.80	130	161767	55.481	ug/l	92
45) 1,2-Dichloropropane	9.08	63	160077	53.708	ug/l	97
46) Dibromomethane	9.17	93	113282	54.329	ug/l	97
47) Bromodichloromethane	9.37	83	246469	53.337	ug/l	98
48) Methyl methacrylate	9.16	41	176738	49.615	ug/l	99
49) 1,4-Dioxane	9.16	88	49410	941.060	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1028266	256.209	ug/l	99
52) Toluene	10.12	92	384111	54.690	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	274725	56.227	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	277796	55.233	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	151310	54.578	ug/l	99
56) Ethyl methacrylate	10.40	69	224449	53.482	ug/l	99
57) 1,3-Dichloropropane	10.68	76	262023	55.405	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	579324	252.967	ug/l	99
59) 2-Hexanone	10.72	43	786313	266.019	ug/l	98
60) Dibromochloromethane	10.87	129	186104	56.775	ug/l	99
61) 1,2-Dibromoethane	10.97	107	159946	56.621	ug/l	98
64) Tetrachloroethene	10.60	164	154529	49.881	ug/l	98
65) Chlorobenzene	11.40	112	413076	54.057	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	164565	53.282	ug/l	97
67) Ethyl Benzene	11.48	91	753168	53.015	ug/l	96
68) m/p-Xylenes	11.59	106	557044	105.804	ug/l	100
69) o-Xylene	11.92	106	270002	53.231	ug/l	97
70) Styrene	11.94	104	457173	54.972	ug/l	99
71) Bromoform	12.10	173	124850	51.504	ug/l #	100
73) Isopropylbenzene	12.22	105	698539	53.522	ug/l	99
74) N-amyl acetate	12.04	43	318677	55.473	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	199575	52.607	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	211920m	50.783	ug/l	
77) Bromobenzene	12.50	156	175103	54.789	ug/l	99
78) n-propylbenzene	12.56	91	791891	53.593	ug/l	99
79) 2-Chlorotoluene	12.65	91	500073	52.943	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	578757	52.407	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	76343	52.697	ug/l	96
82) 4-Chlorotoluene	12.74	91	533399	55.433	ug/l	99
83) tert-Butylbenzene	12.96	119	459444	50.699	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	586330	53.135	ug/l	99
85) sec-Butylbenzene	13.14	105	566741	48.328	ug/l	100
86) p-Isopropyltoluene	13.26	119	524144	49.612	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	301633	53.912	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	302593	53.101	ug/l	99
89) n-Butylbenzene	13.59	91	444453	47.754	ug/l	97
90) Hexachloroethane	13.85	117	96875	48.825	ug/l	98
91) 1,2-Dichlorobenzene	13.62	146	296466	53.298	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	47451	50.408	ug/l	99

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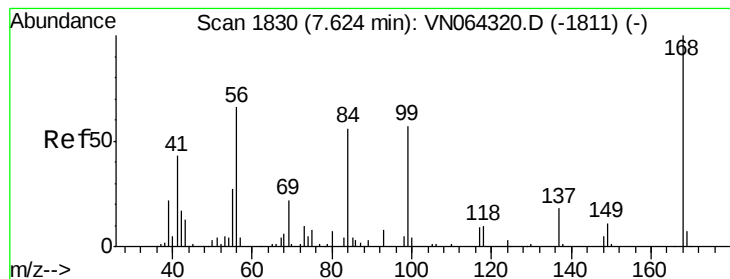
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	145051	45.559	ug/l	98
94) Hexachlorobutadiene	14.98	225	69903	40.952	ug/l	98
95) Naphthalene	15.10	128	425018	43.472	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	134673	43.978	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 248671

Ion Ratio Lower Upper

168 100

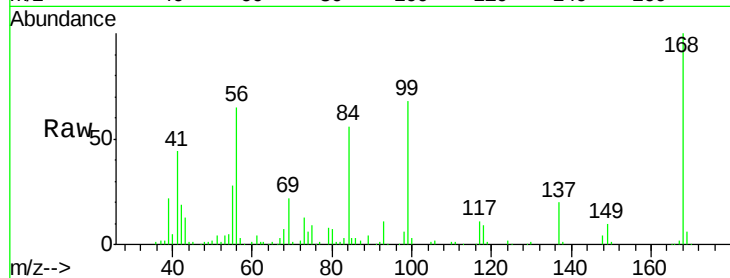
99 67.9 52.7 79.1

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

120000

100000

80000

60000

40000

20000

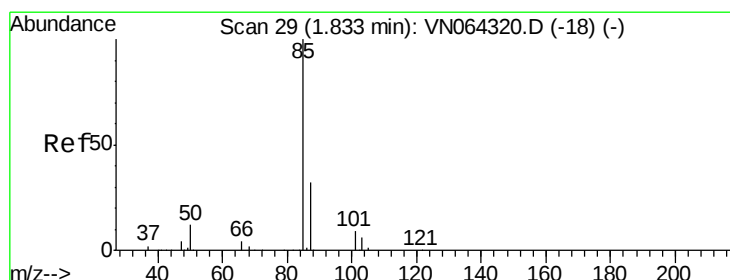
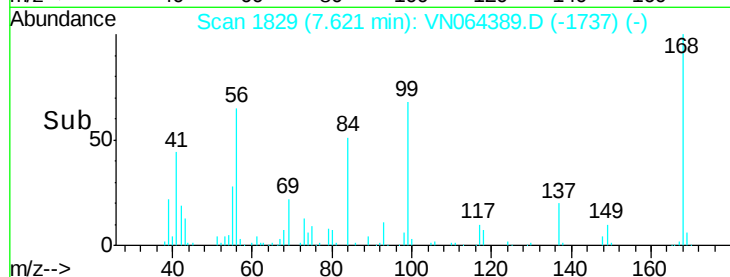
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 52.022 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064389.D

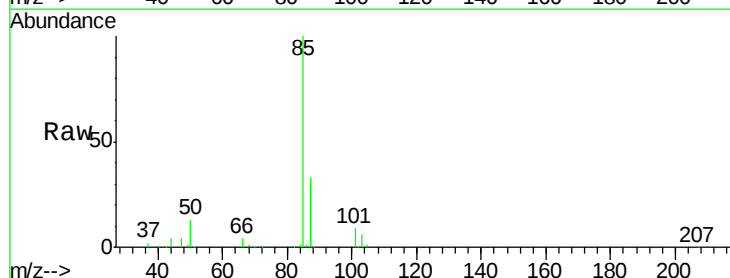
Acq: 30 Oct 2020 10:30

Tgt Ion: 85 Resp: 148704

Ion Ratio Lower Upper

85 100

87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

120000

100000

80000

60000

40000

20000

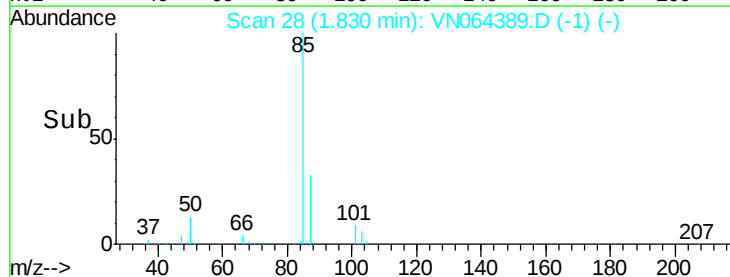
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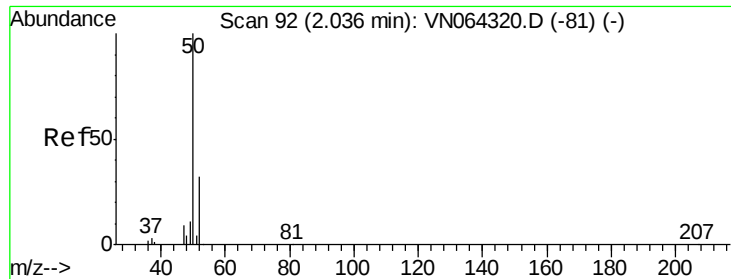
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 48.744 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 150617

Ion Ratio Lower Upper

50 100

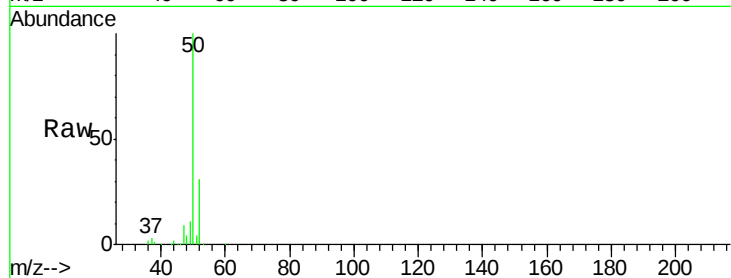
52 31.4 25.6 38.4

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Abundance Ion 49.90 (49.60 to 50.60): VN064389.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN064389.D (-1) (-)

2.04

120000

100000

80000

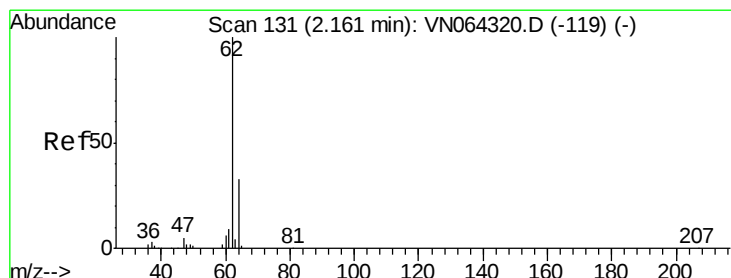
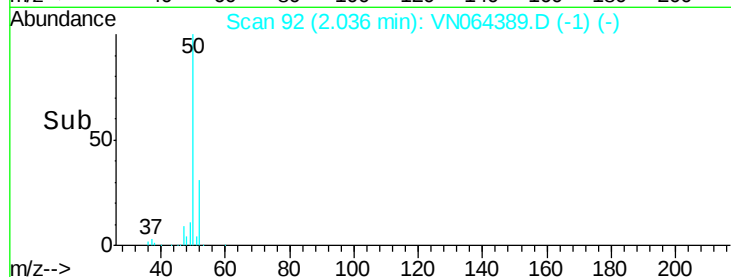
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 52.802 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064389.D

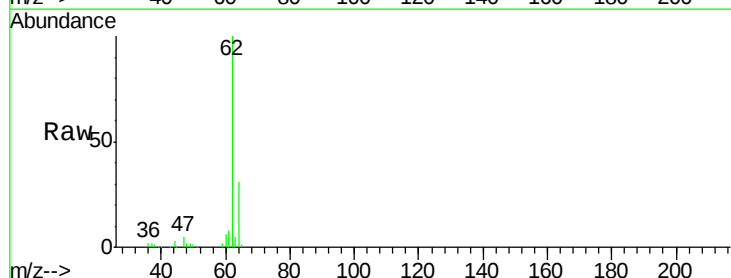
Acq: 30 Oct 2020 10:30

Tgt Ion: 62 Resp: 157815

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN064389.D (-38) (-)

Ion 63.90 (63.60 to 64.60): VN064389.D (-38) (-)

2.16

120000

100000

80000

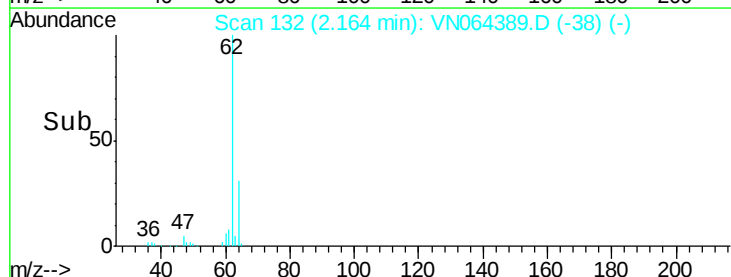
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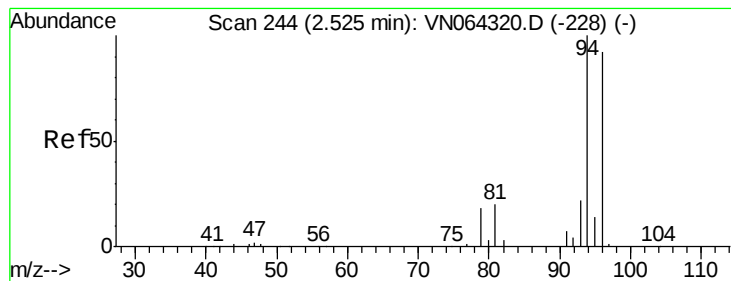
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 49.058 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 94744

Ion Ratio Lower Upper

94 100

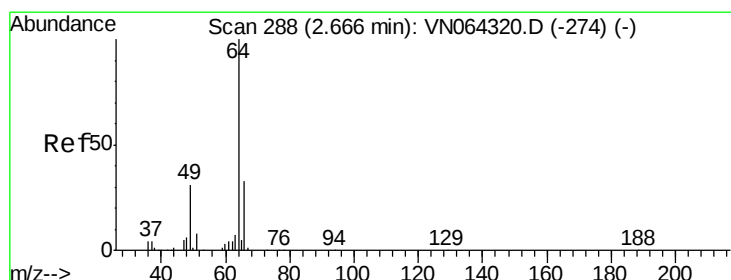
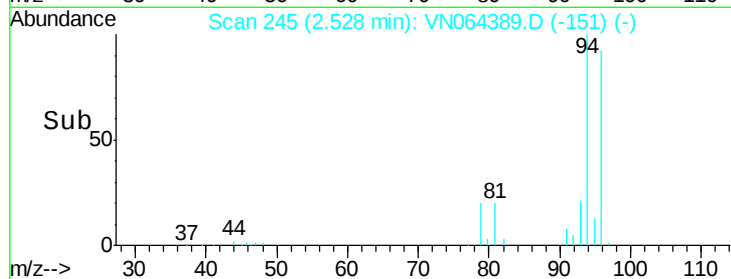
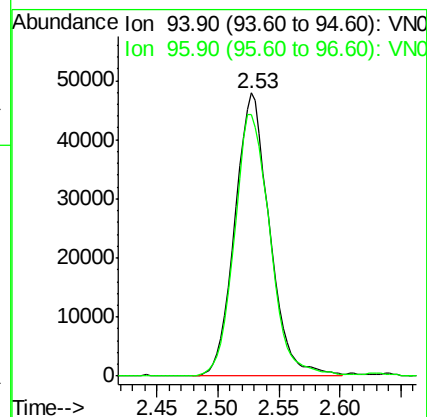
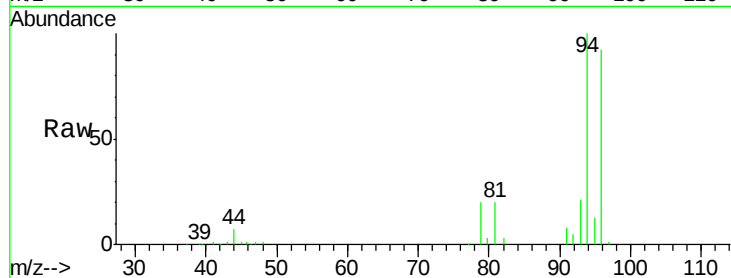
96 92.4 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 52.125 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064389.D

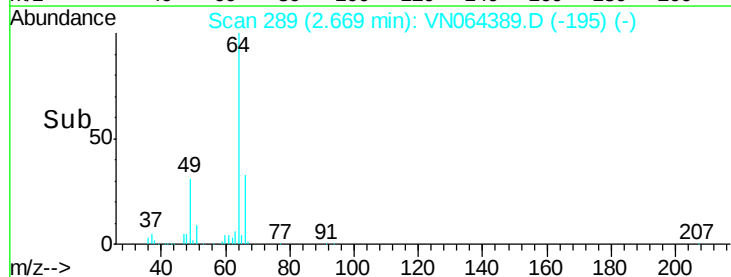
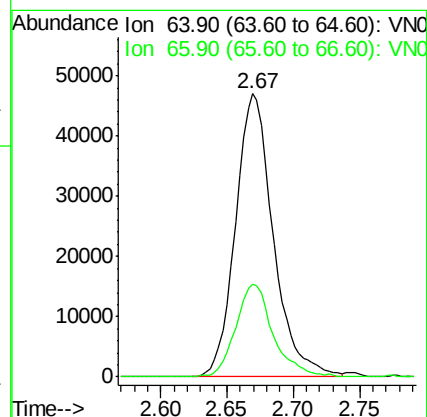
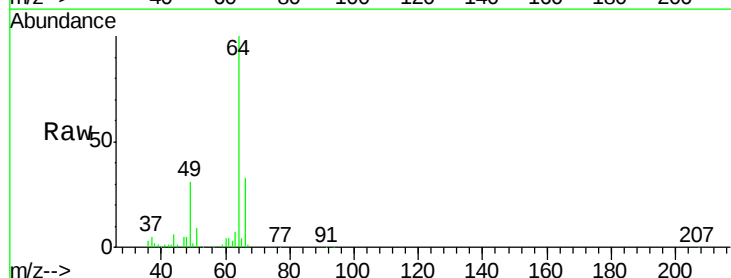
Acq: 30 Oct 2020 10:30

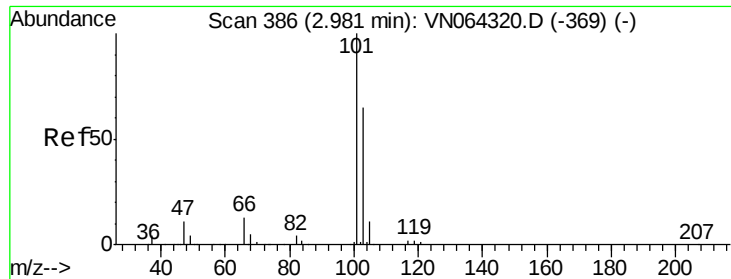
Tgt Ion: 64 Resp: 93091

Ion Ratio Lower Upper

64 100

66 32.9 26.5 39.7





#7

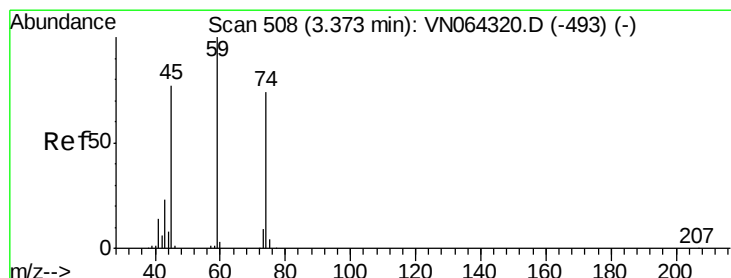
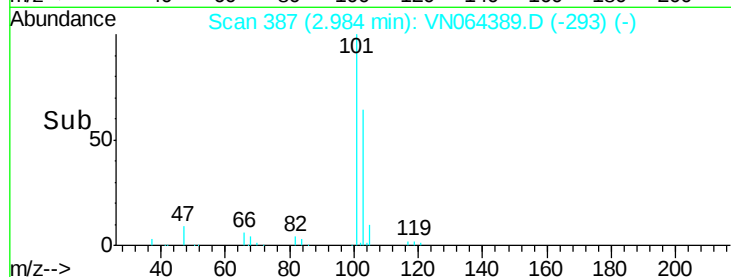
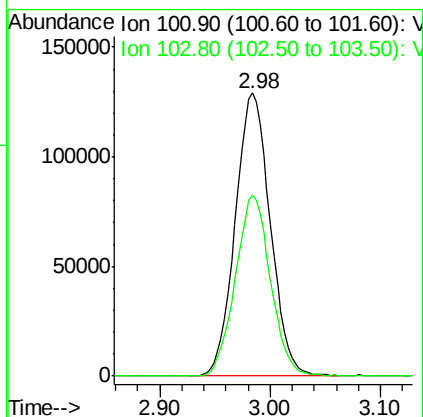
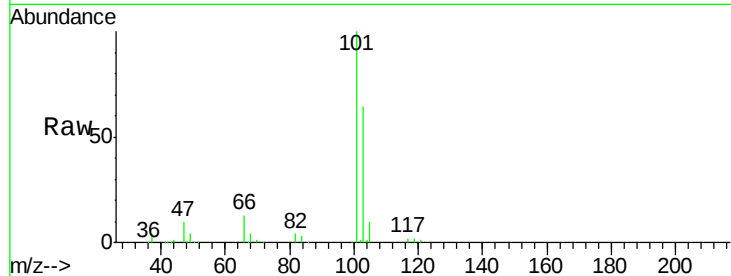
Trichlorofluoromethane
 Concen: 56.670 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.7	77.5

Manual Integrations
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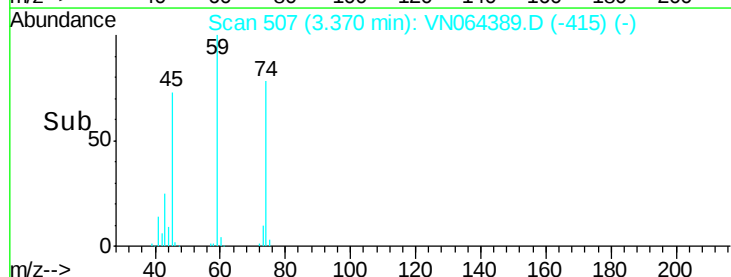
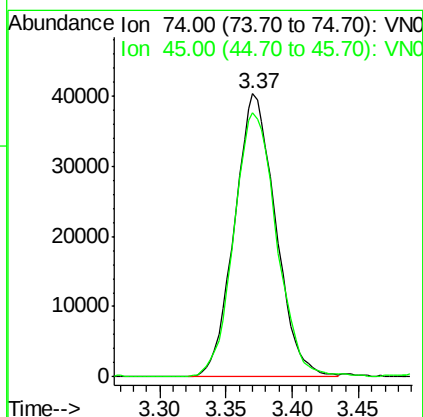
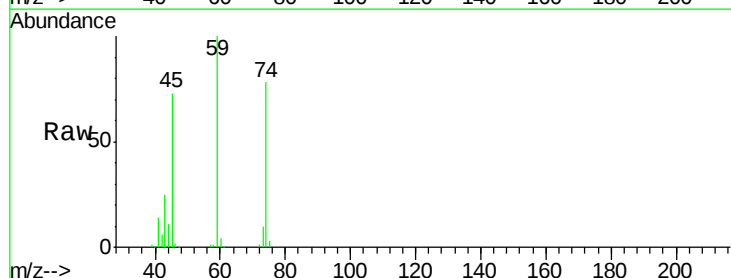
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 11/2/2020 4:11:31 PM

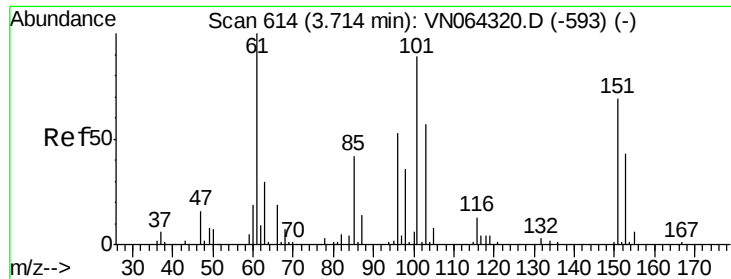


#8

Diethyl Ether
 Concen: 54.806 ug/l
 RT: 3.37 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN064389.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	51.3	154.0





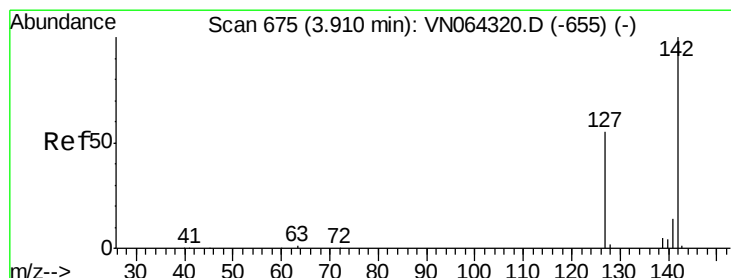
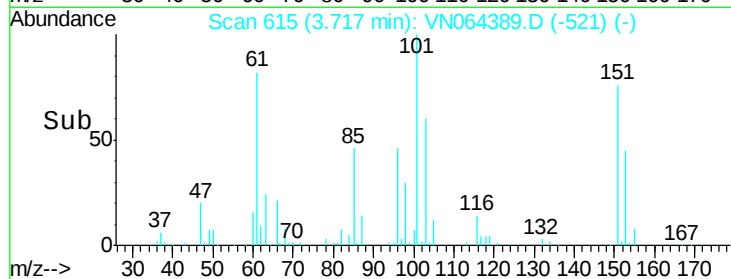
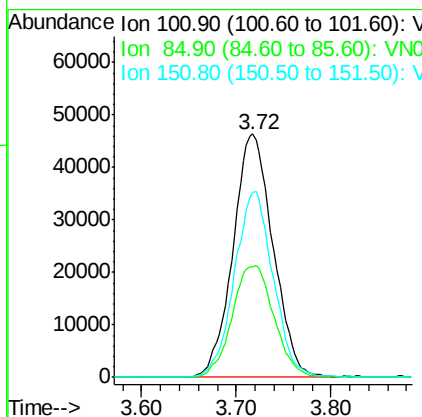
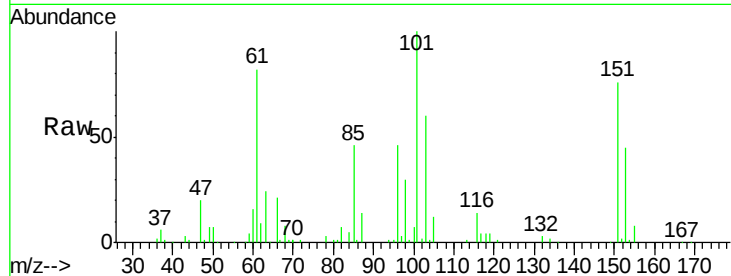
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.213 ug/l
RT: 3.72 min Scan# 615
Delta R.T. 0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.4	57.6
151	74.2	62.0	93.0

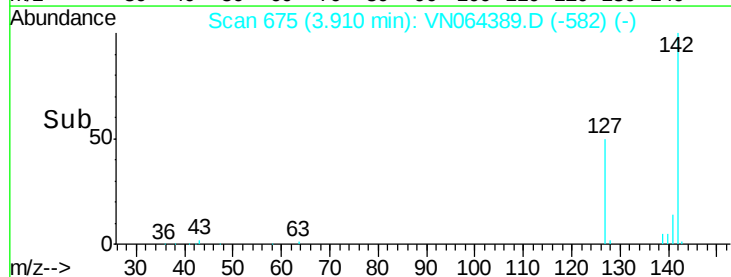
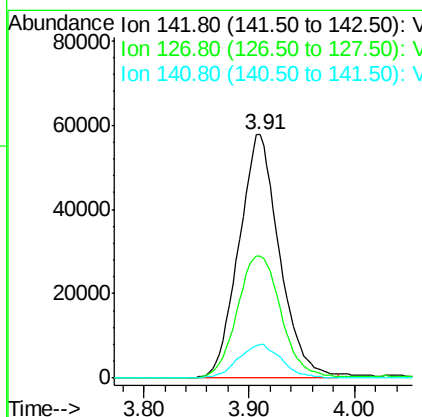
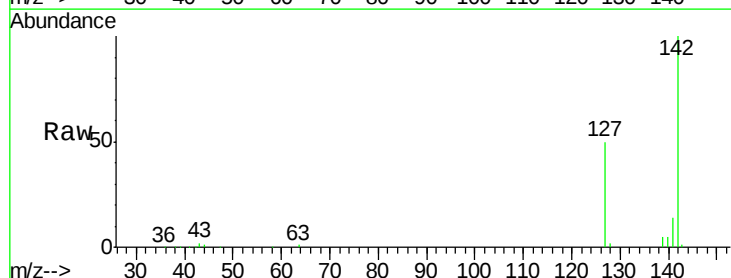
Manual Integrations
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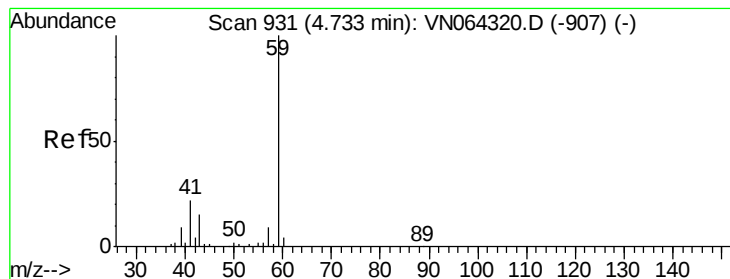
MMDadoda
11/2/2020 4:11:31 PM



#10
Methyl Iodide
Concen: 46.115 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
142	100		
127	54.6	43.3	64.9
141	14.8	11.5	17.3





#11

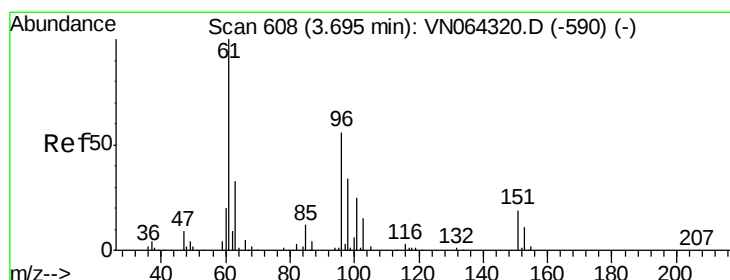
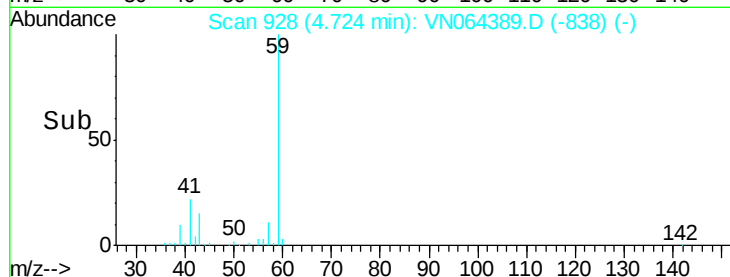
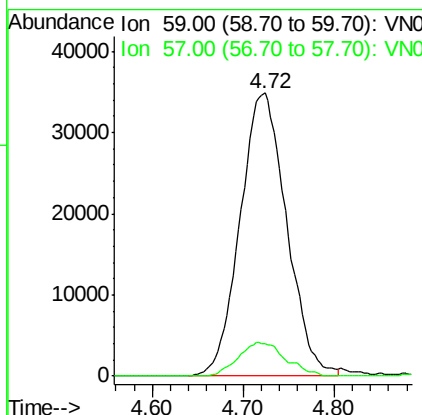
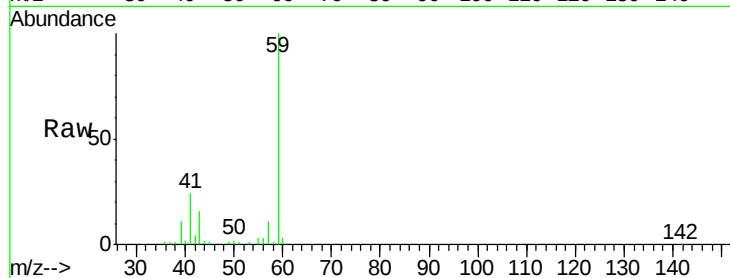
Tert butyl alcohol
Concen: 213.610 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.0	9.4	14.0

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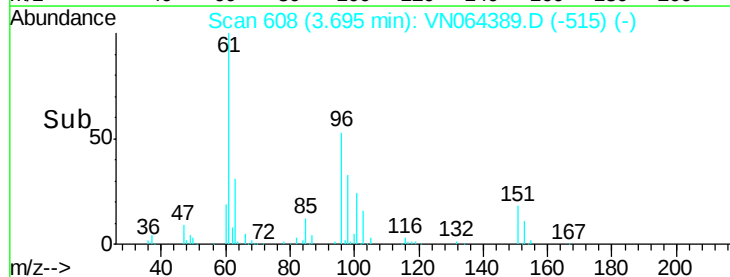
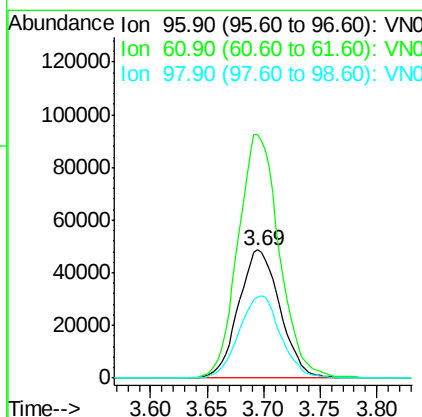
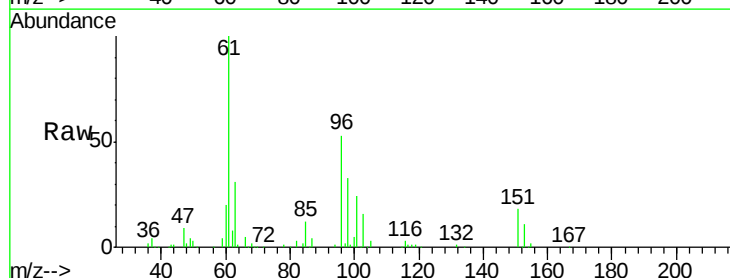
MMDadoda
11/2/2020 4:11:31 PM

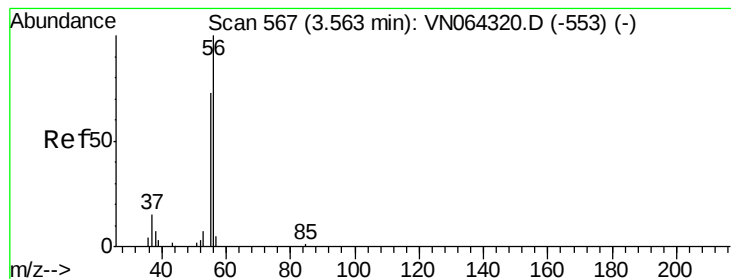


#12

1,1-Dichloroethene
Concen: 52.421 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.7	143.6	215.4
98	63.1	48.6	73.0





#13

Acrolein

Concen: 201.061 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 24842

Ion Ratio Lower Upper

56 100

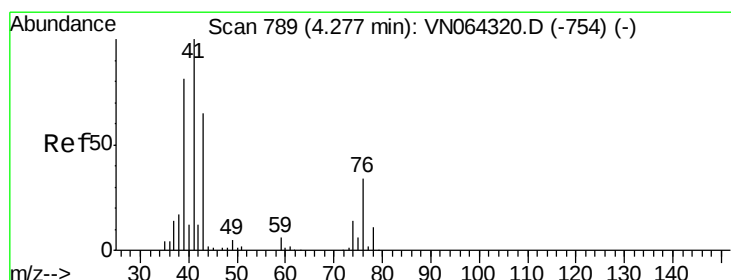
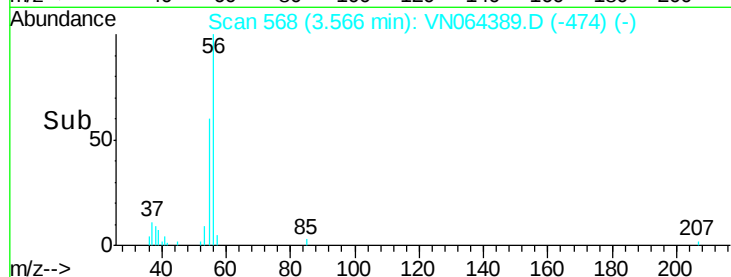
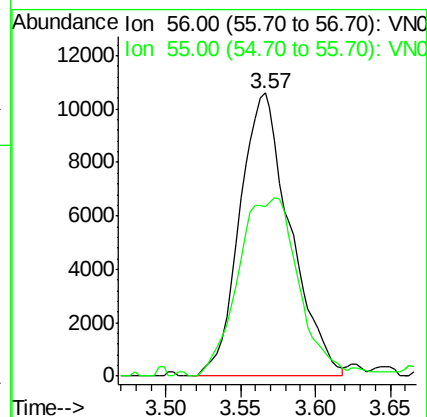
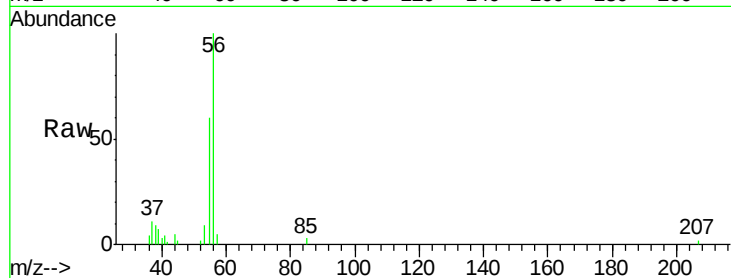
55 75.0 62.6 94.0

Manual Integrations

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#14

Allyl chloride

Concen: 48.031 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

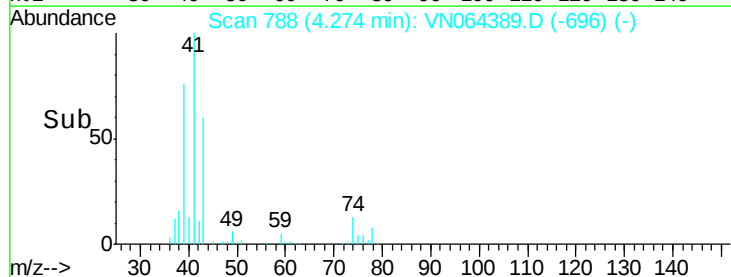
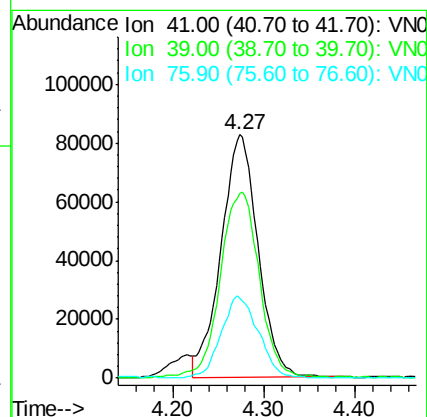
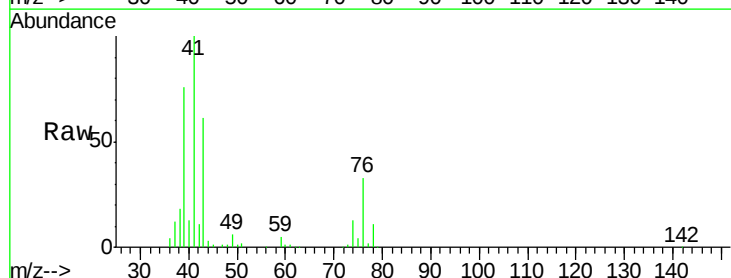
Tgt Ion: 41 Resp: 232998

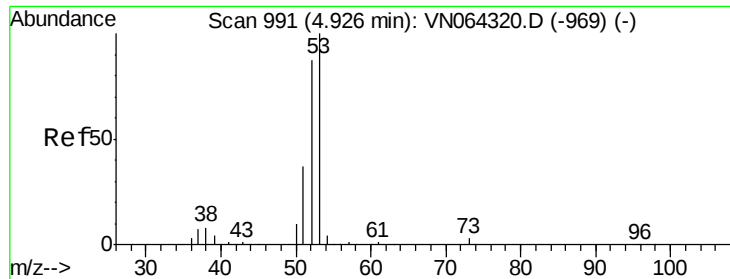
Ion Ratio Lower Upper

41 100

39 81.2 61.7 92.5

76 34.2 24.0 36.0





#15

Acrylonitrile

Concen: 249.269 ug/l

RT: 4.92 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

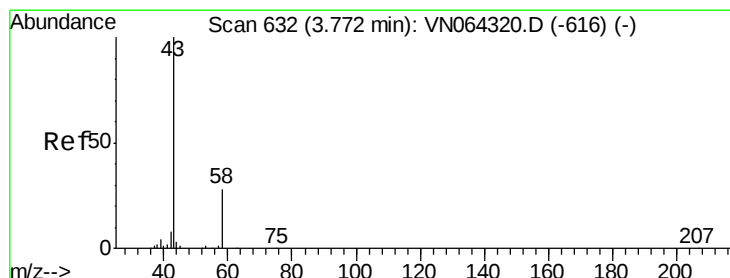
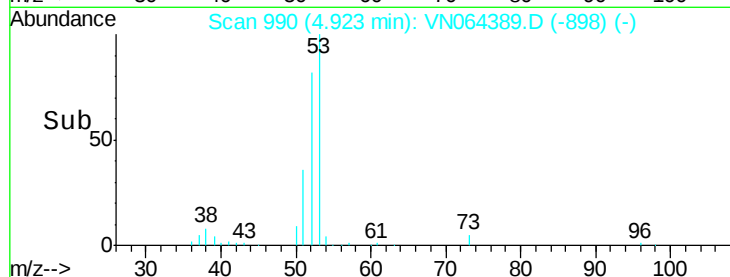
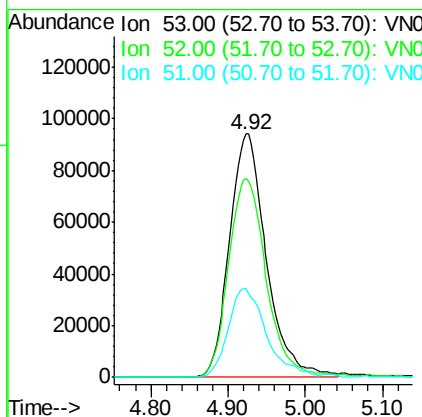
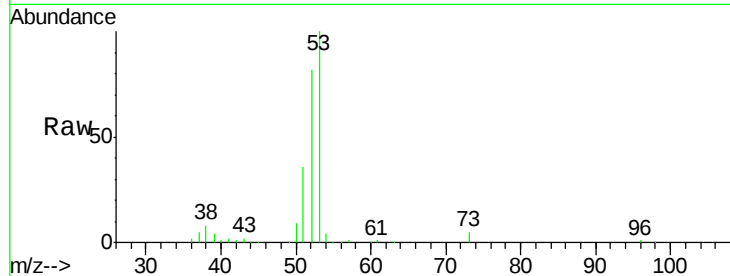
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	310960
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.9	98.9
51	38.0	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 299.337 ug/l

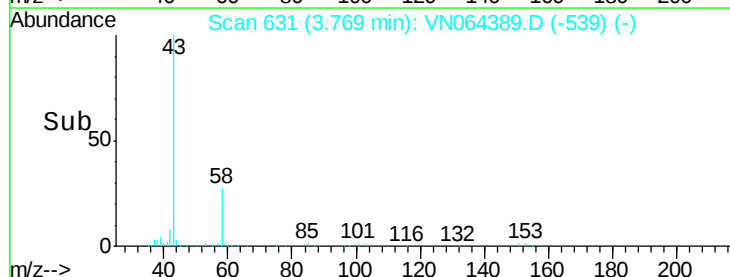
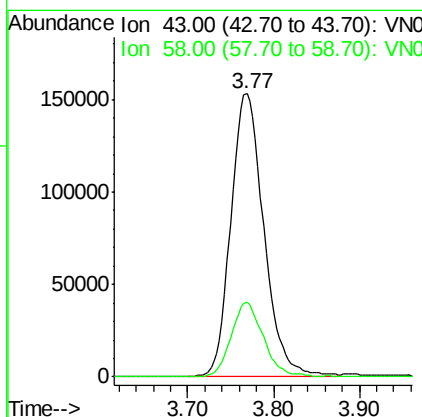
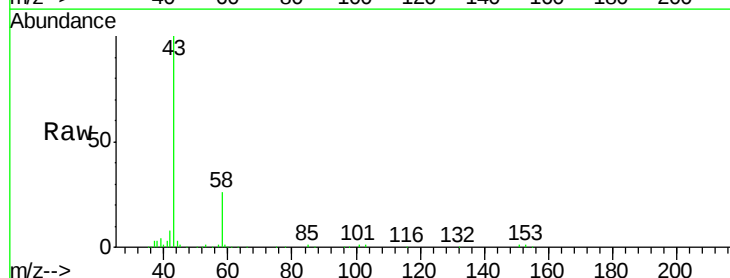
RT: 3.77 min Scan# 631

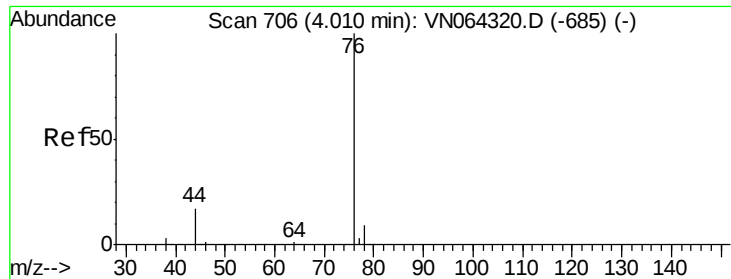
Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Tgt Ion:	43	Resp:	405835
Ion	Ratio	Lower	Upper
43	100		
58	26.5	22.1	33.1





#17

Carbon Disulfide

Concen: 49.508 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 347996

Ion Ratio Lower Upper

76 100

78 8.8

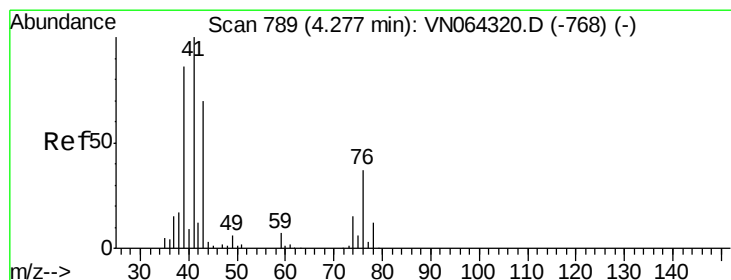
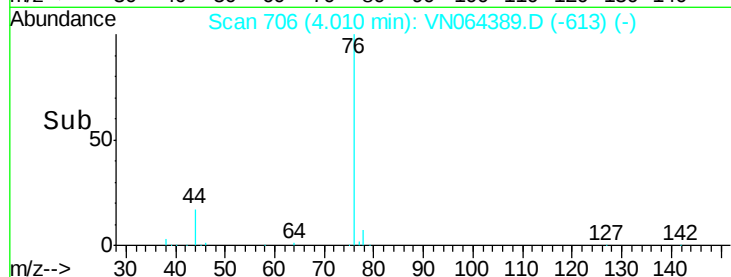
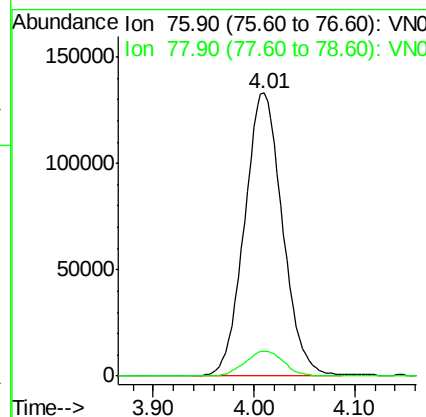
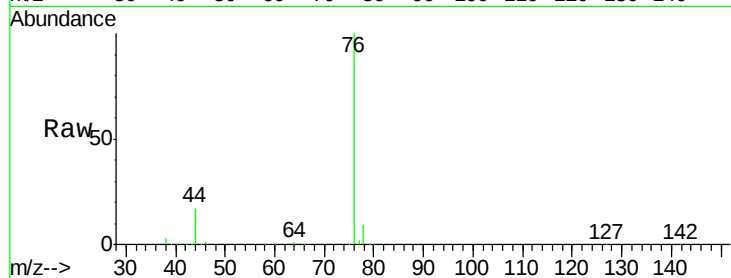
7.3 10.9

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#18

Methyl Acetate

Concen: 48.787 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

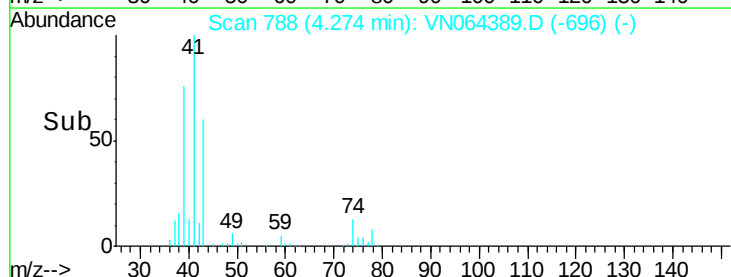
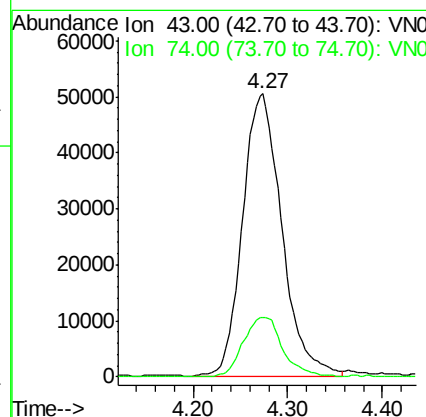
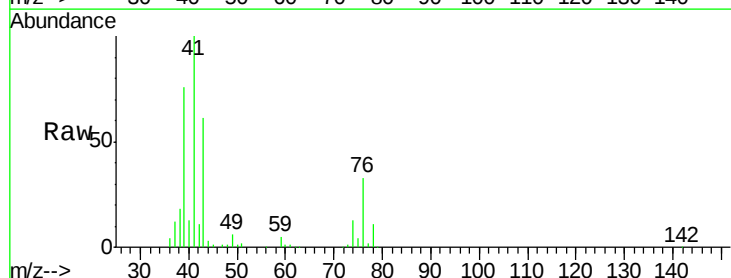
Tgt Ion: 43 Resp: 146451

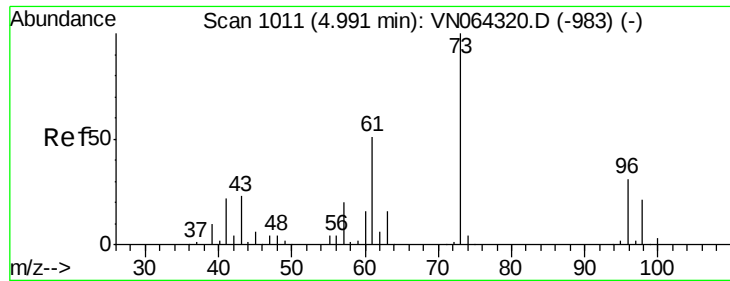
Ion Ratio Lower Upper

43 100

74 20.9

16.7 25.1





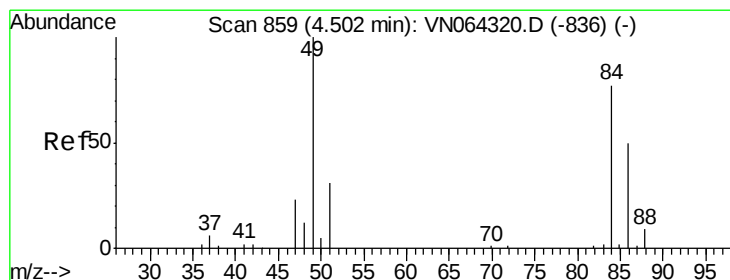
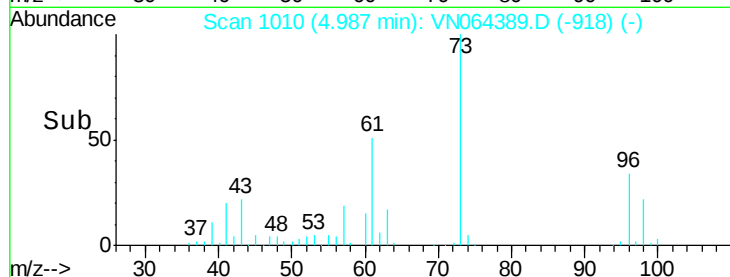
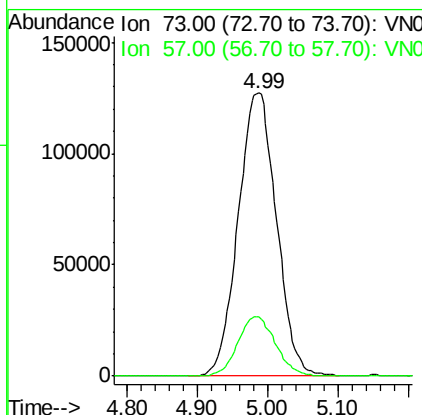
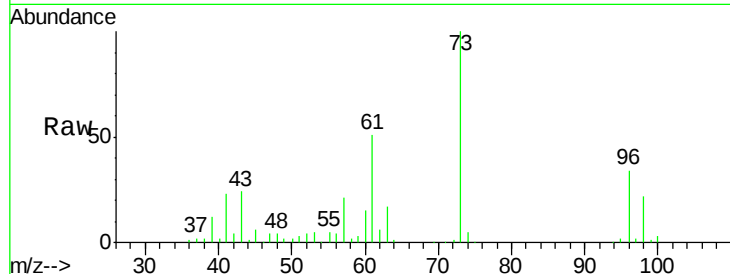
#19
Methvl tert-butvl Ether
Concen: 52.750 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 481516
Ion Ratio Lower Upper
73 100
57 20.8 16.1 24.1

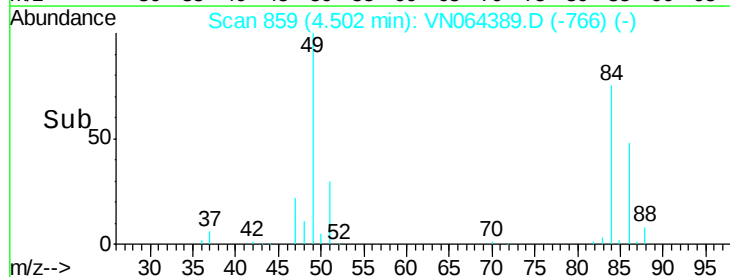
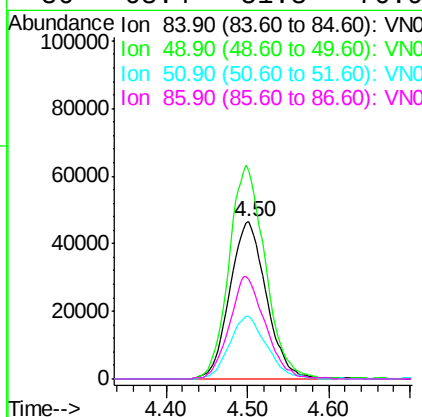
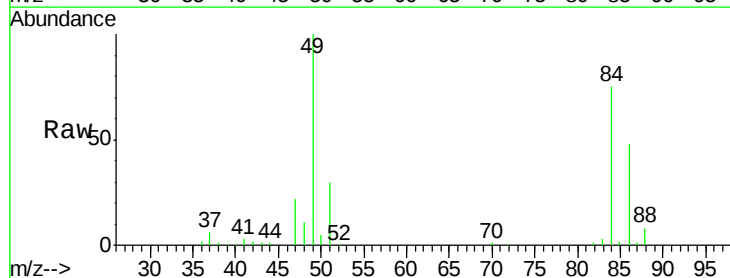
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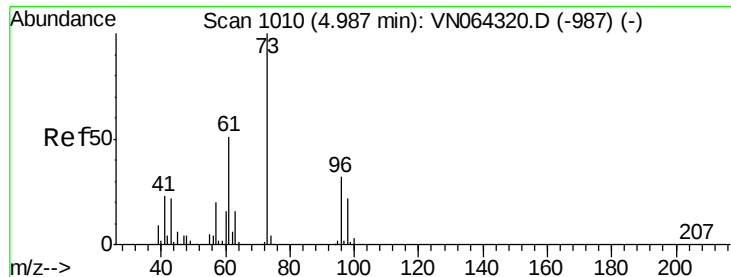
MMDadoda
11/2/2020 4:11:31 PM



#20
Methylene Chloride
Concen: 51.230 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion: 84 Resp: 145187
Ion Ratio Lower Upper
84 100
49 133.1 103.6 155.4
51 40.1 31.8 47.8
86 63.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 52.741 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 139778

Ion Ratio Lower Upper

96 100

61 149.4 128.2 192.2

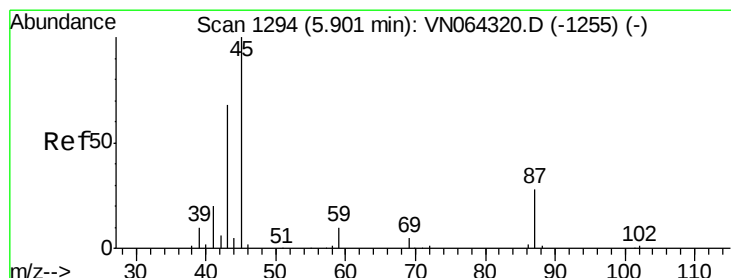
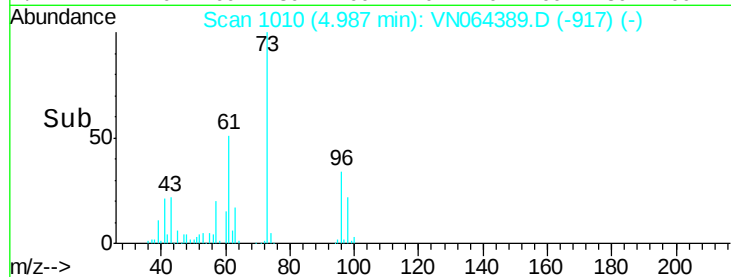
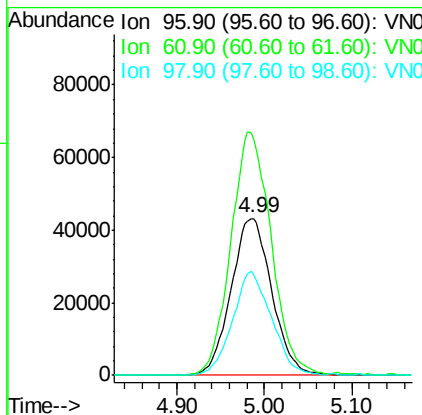
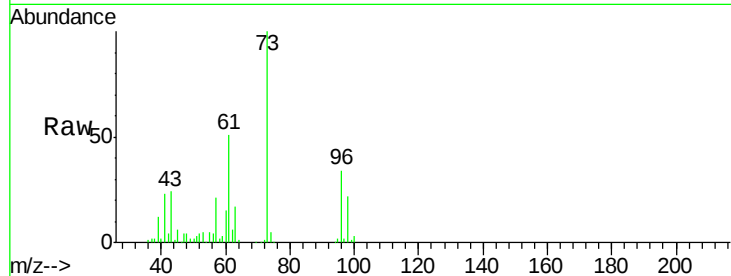
98 63.7 56.1 84.1

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#22

Diisopropyl ether

Concen: 54.174 ug/l

RT: 5.89 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Tgt Ion: 45 Resp: 513674

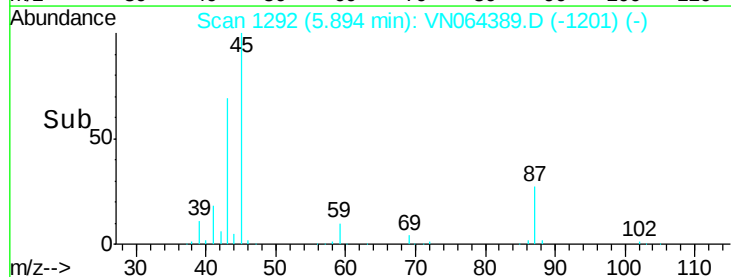
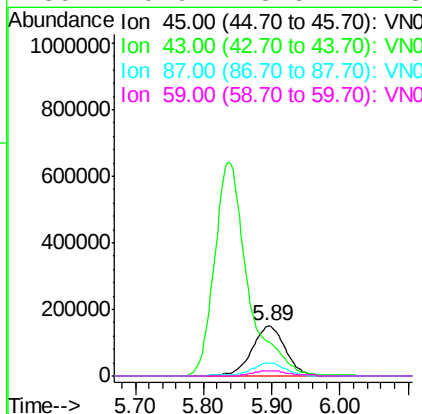
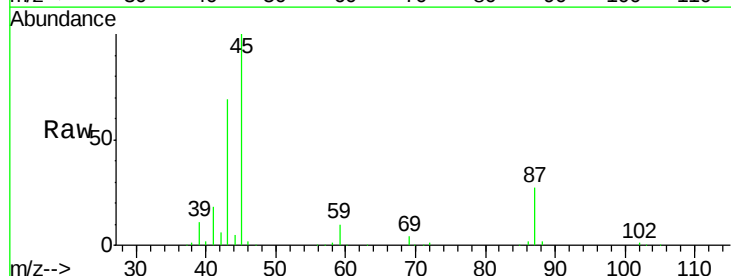
Ion Ratio Lower Upper

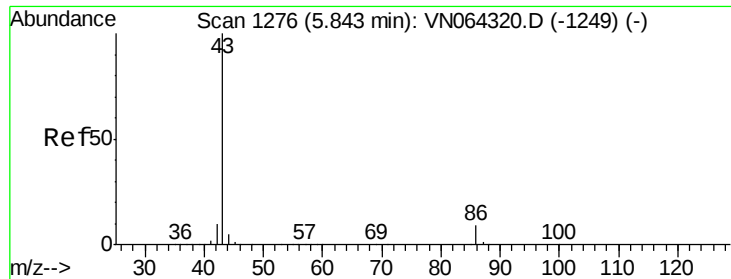
45 100

43 67.0 54.6 82.0

87 26.6 22.6 33.8

59 9.9 8.6 12.8





#23

Vinyl Acetate

Concen: 271.719 ug/l

RT: 5.84 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2179701

Ion Ratio Lower Upper

43 100

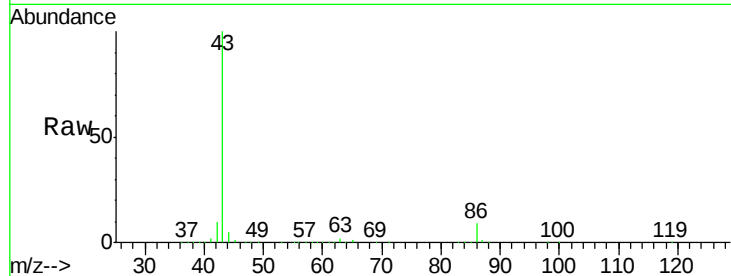
86 9.0 7.3 10.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

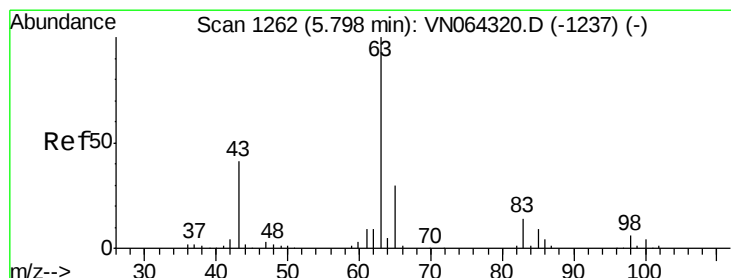
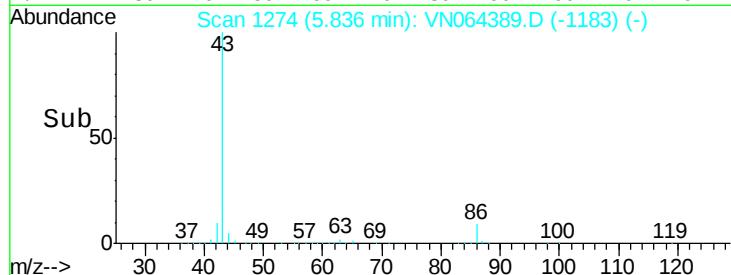
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.381 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

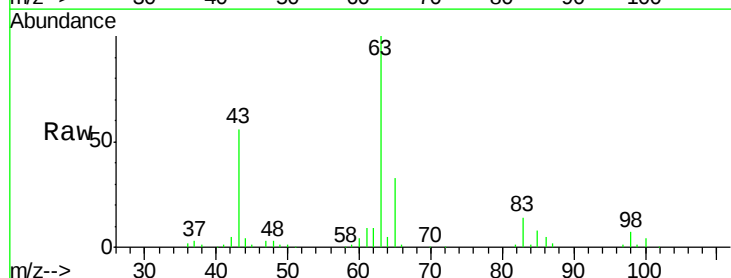
Tgt Ion: 63 Resp: 277921

Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.79

100000

80000

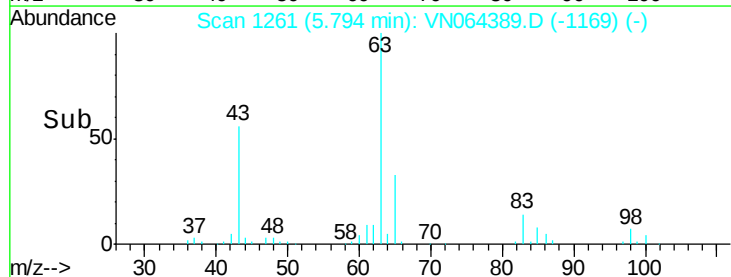
60000

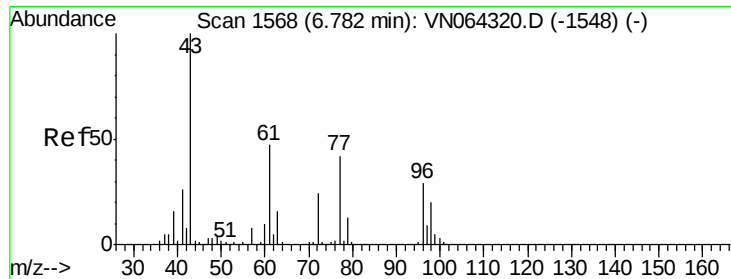
40000

20000

0

Time-->





#25

2-Butanone

Concen: 263.507 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 528715

Ion Ratio Lower Upper

43 100

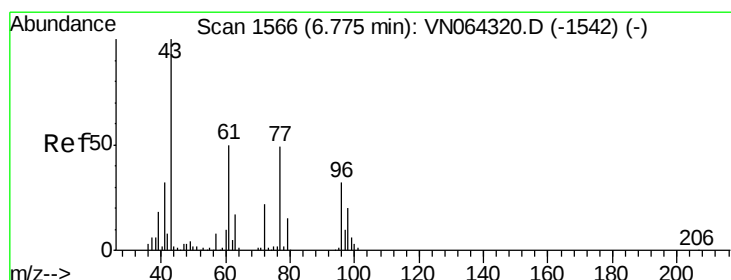
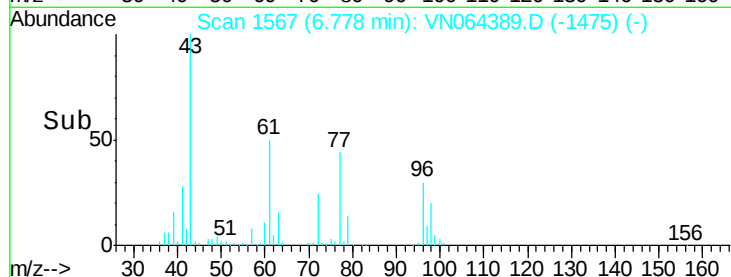
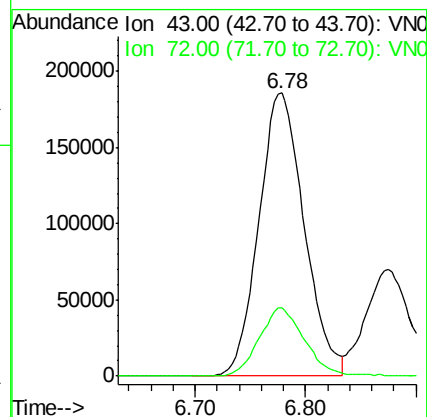
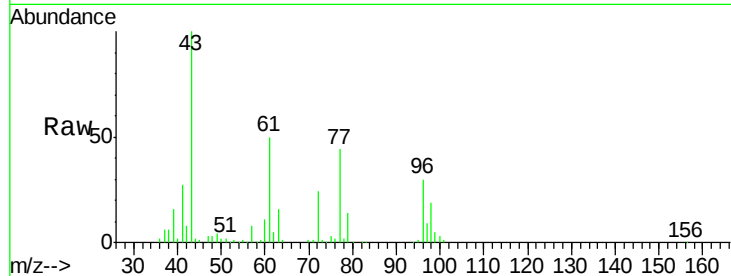
72 24.1 18.8 28.2

Manual Integrations

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11/2/2020 4:11:31 PM



#26

2,2-Dichloropropane

Concen: 53.116 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064389.D

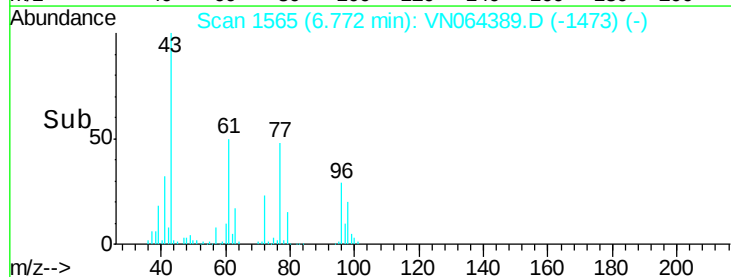
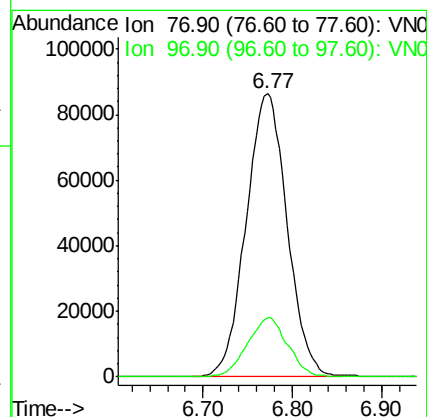
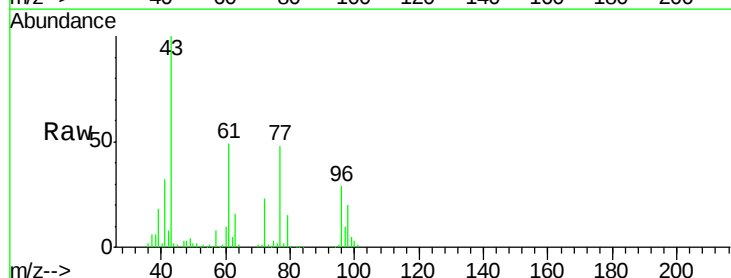
Acq: 30 Oct 2020 10:30

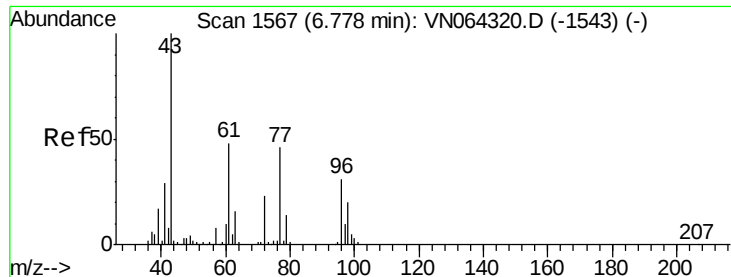
Tgt Ion: 77 Resp: 275817

Ion Ratio Lower Upper

77 100

97 20.6 10.2 30.6





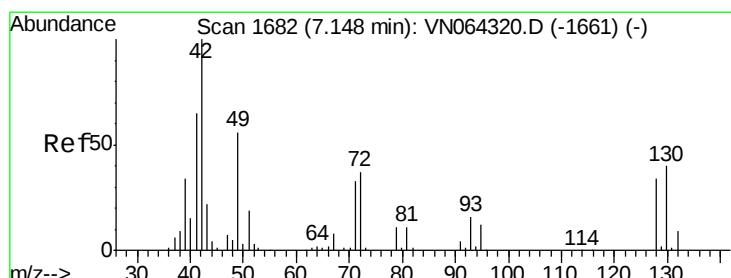
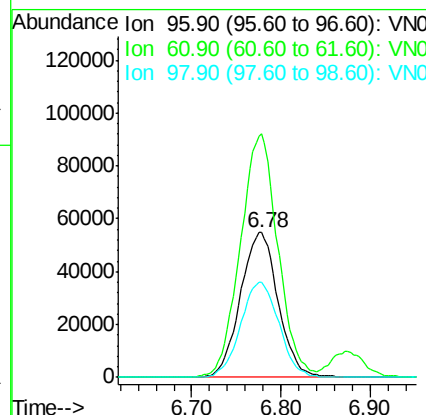
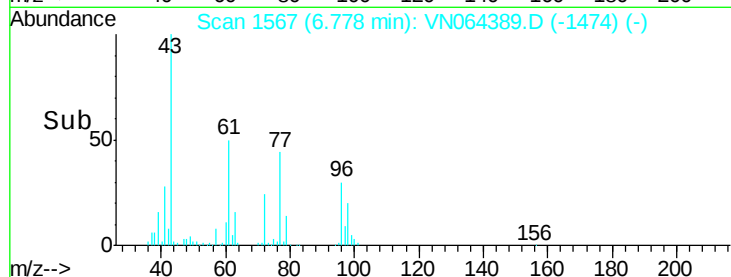
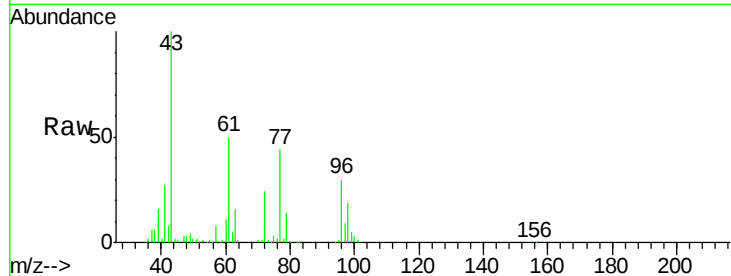
#27
 cis-1,2-Dichloroethene
 Concen: 52.984 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	166.9	0.0	325.0	
98	66.9	0.0	128.4	

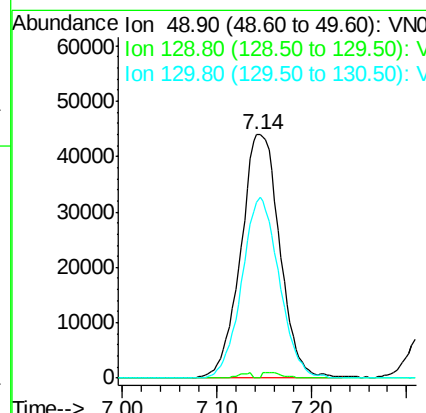
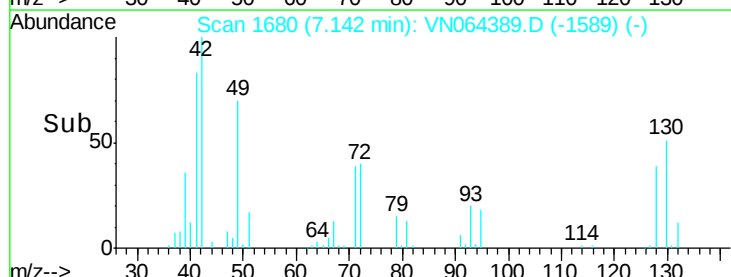
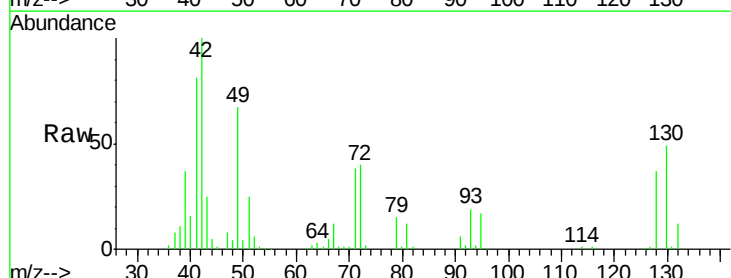
Manual Integrations
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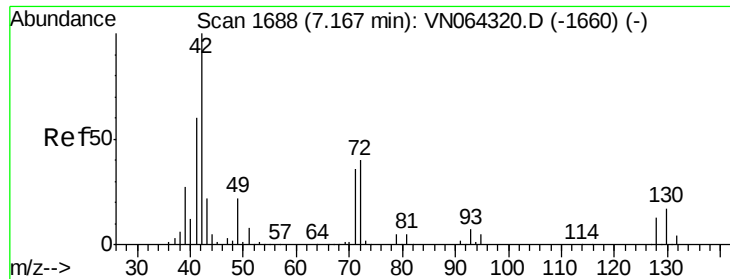
MMDadoda
 11/2/2020 4:11:31 PM



#28
 Bromochloromethane
 Concen: 49.794 ug/l
 RT: 7.14 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.7	0.0	2.8	
130	71.1	56.2	84.2	





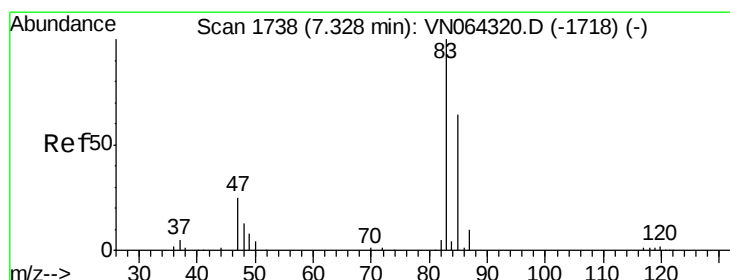
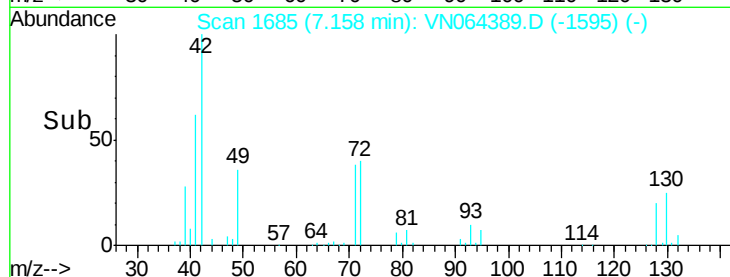
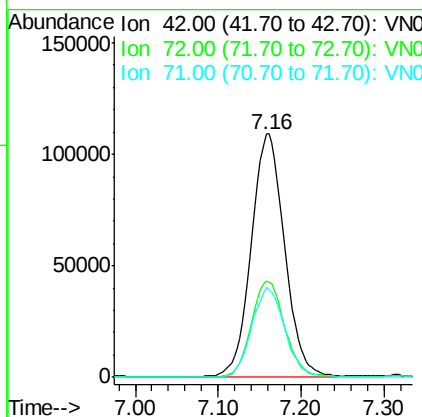
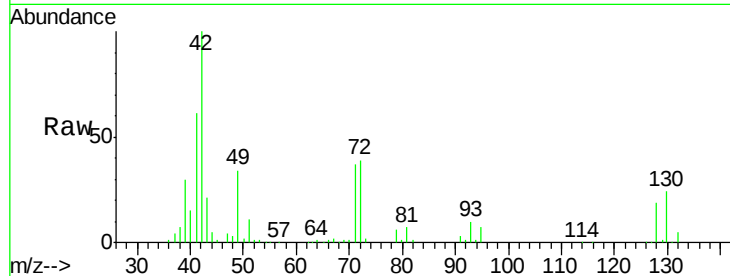
#29
Tetrahydrofuran
Concen: 233.655 ug/l
RT: 7.16 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.6	47.4
71	36.7	29.4	44.0

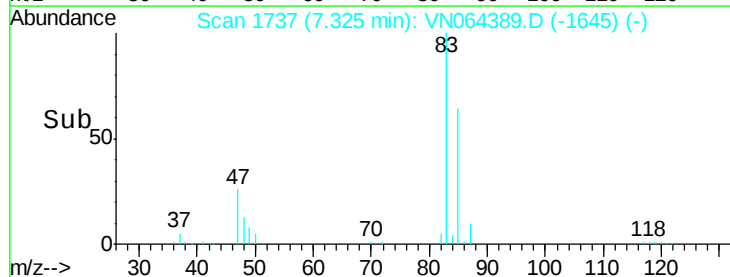
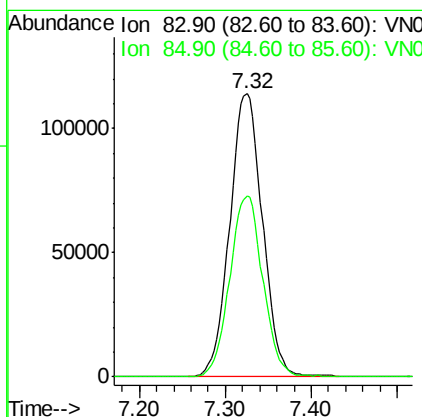
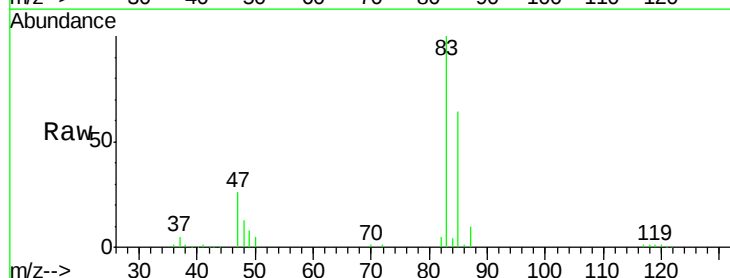
Manual Integrations
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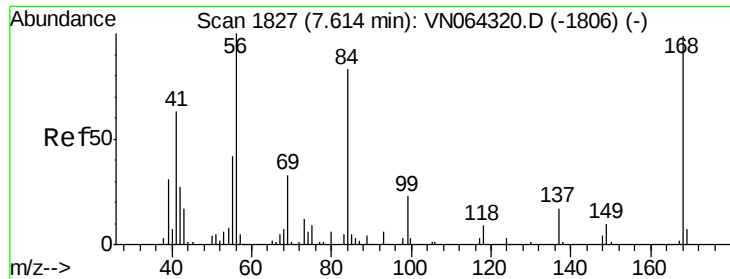
MMDadoda
11/2/2020 4:11:31 PM



#30
Chloroform
Concen: 53.362 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7





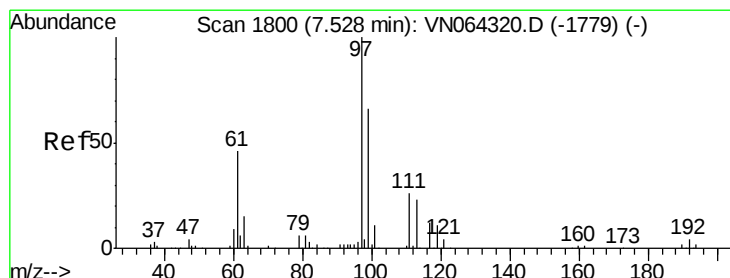
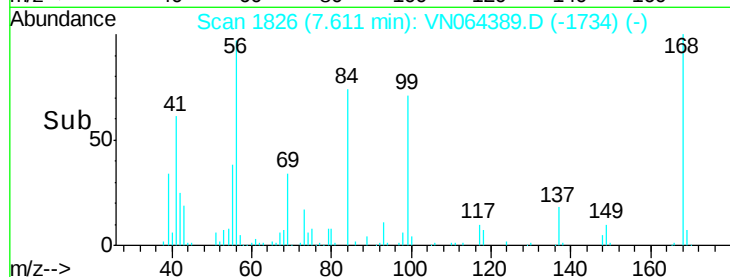
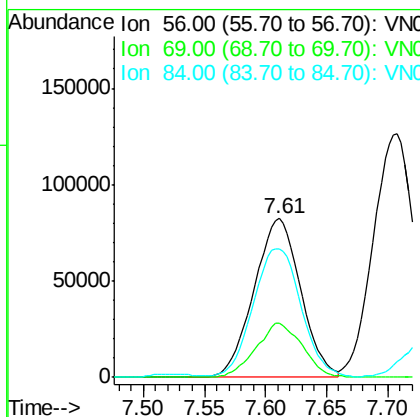
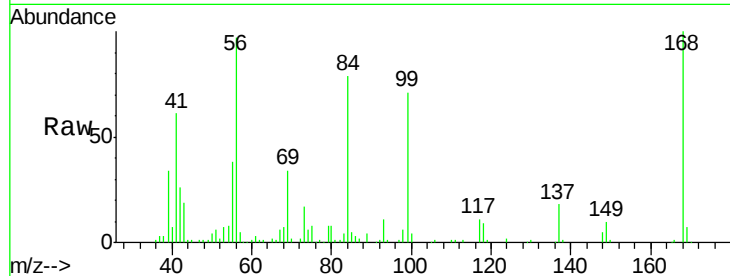
#31
Cyclohexane
Concen: 47.201 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	218914		
69	34.4		25.8	38.8
84	79.0		66.3	99.5

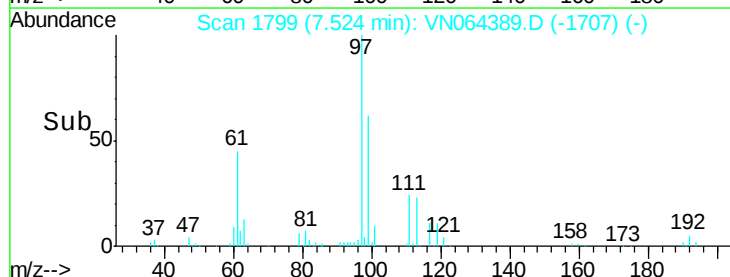
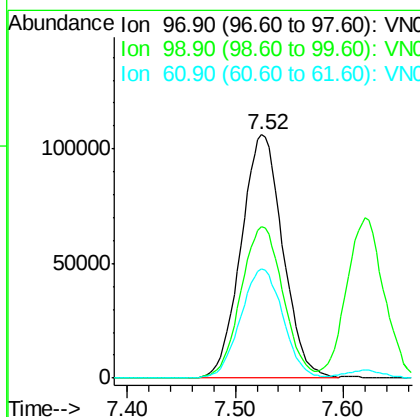
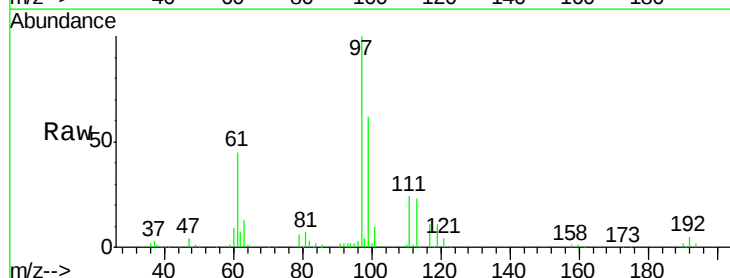
Manual Integrations
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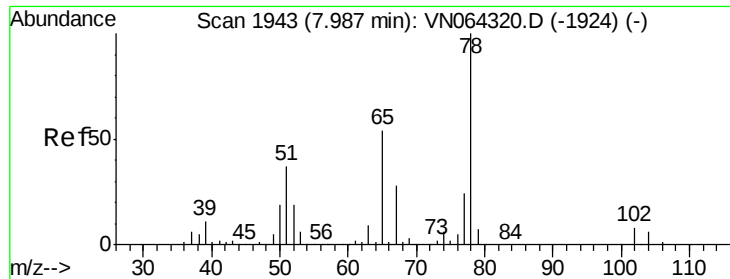
MMDadoda
11/2/2020 4:11:31 PM



#32
1,1,1-Trichloroethane
Concen: 52.451 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	285242		
99	63.0		50.6	76.0
61	45.4		35.8	53.6





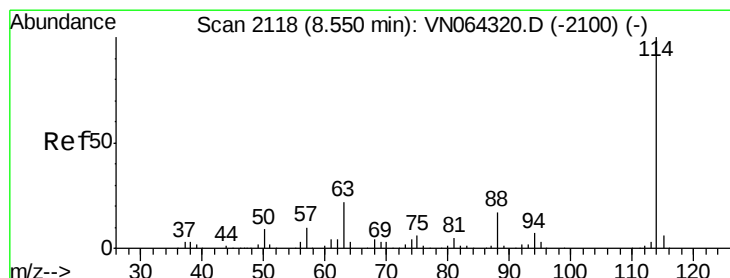
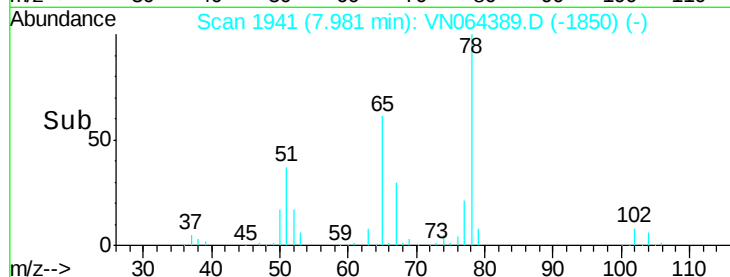
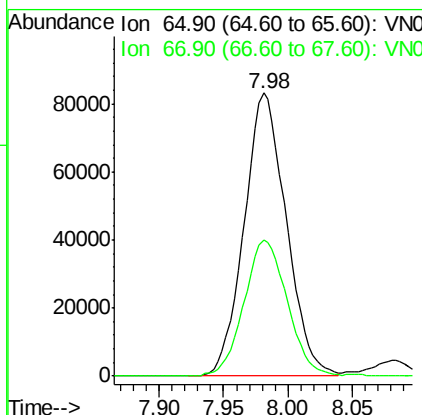
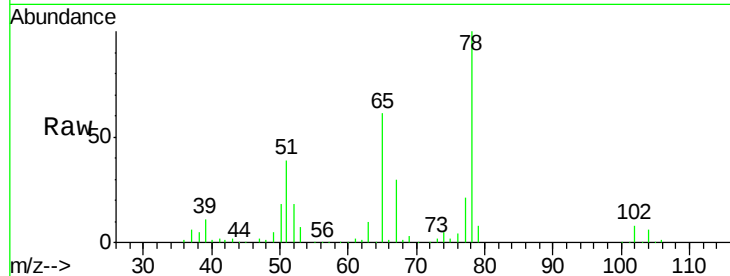
#33
 1,2-Dichloroethane-d4
 Concen: 47.441 ug/l
 RT: 7.98 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 189579
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 99.2

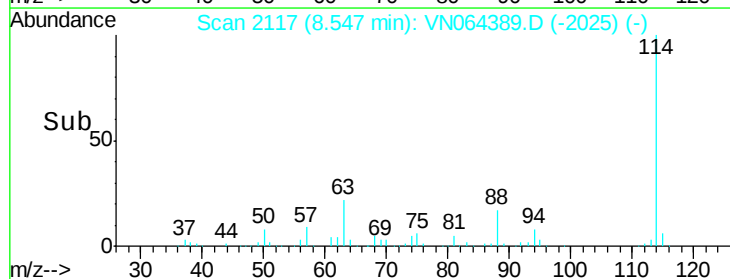
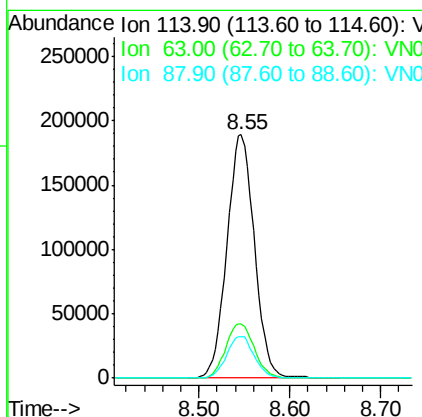
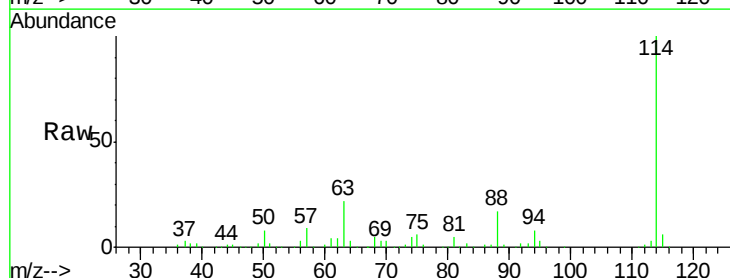
Manual Integrations
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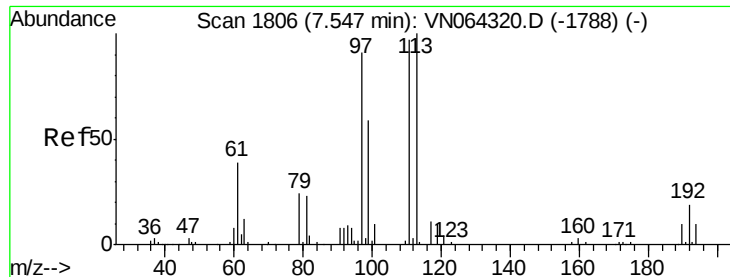
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion: 114 Resp: 396204
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.6
 88 17.3 0.0 33.4





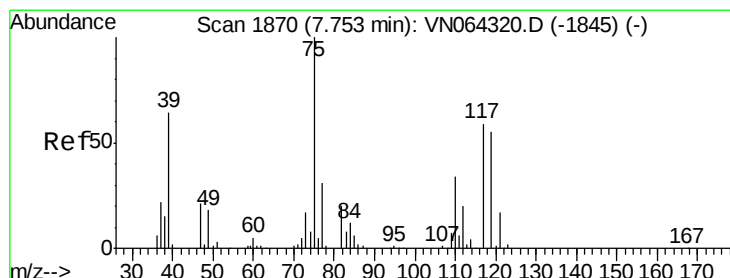
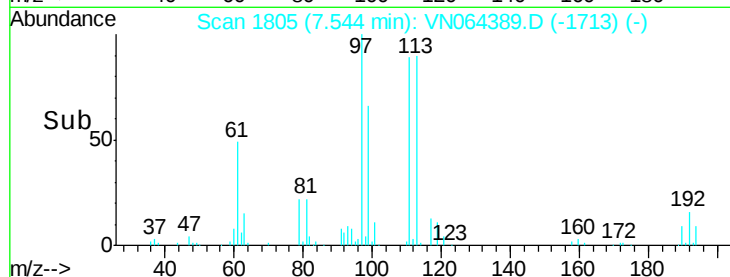
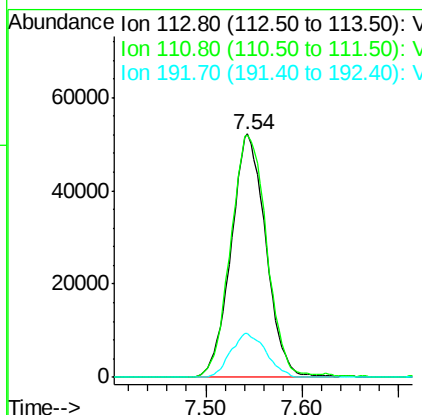
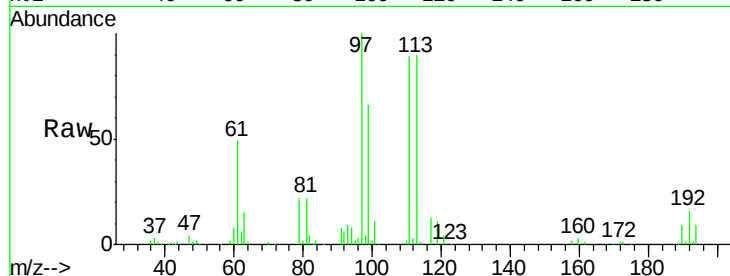
#35
 Dibromofluoromethane
 Concen: 49.278 ug/l
 RT: 7.54 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.5	122.3
192	18.5	15.0	22.4

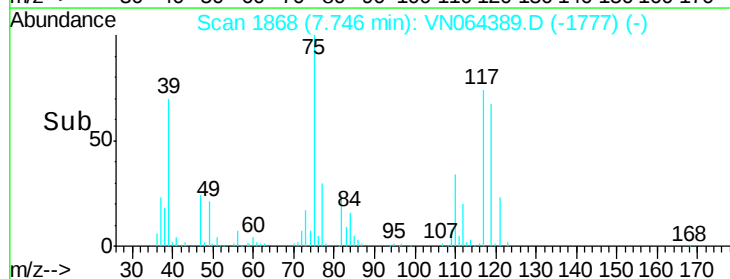
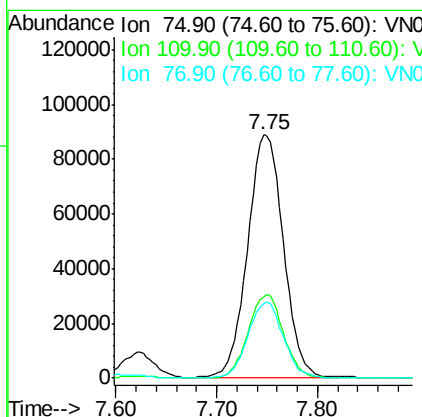
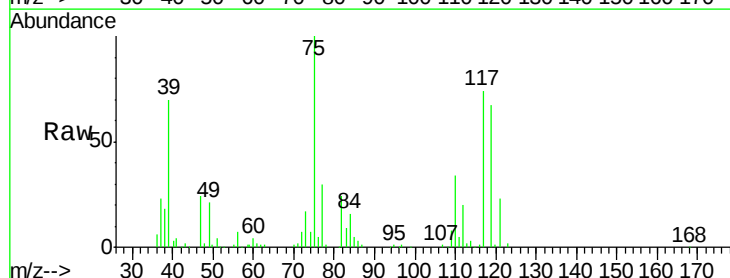
Manual Integrations
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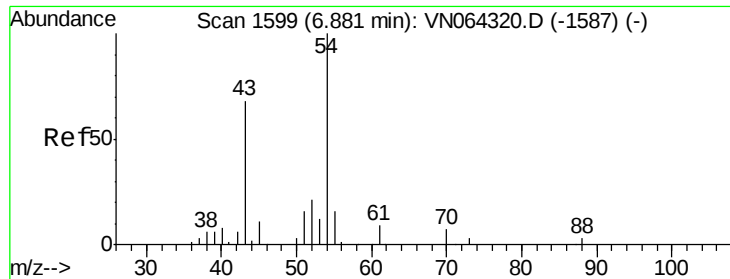
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#36
 1,1-Dichloropropene
 Concen: 54.503 ug/l
 RT: 7.75 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.8	50.3
77	31.1	24.2	36.4





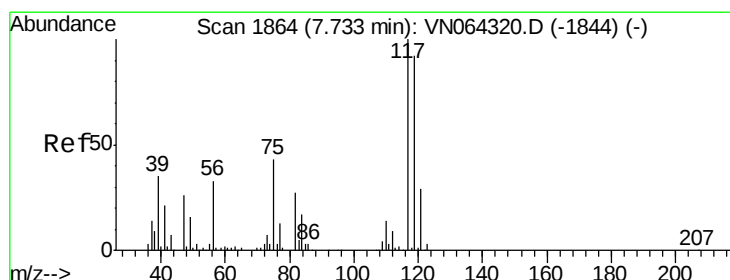
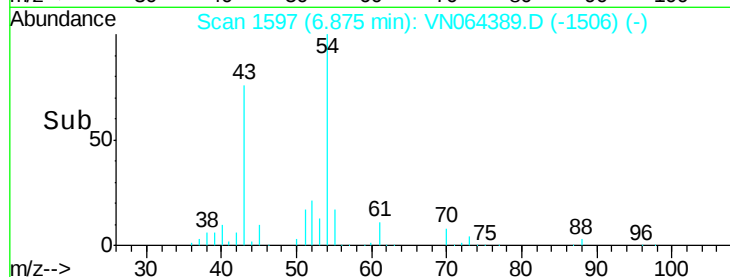
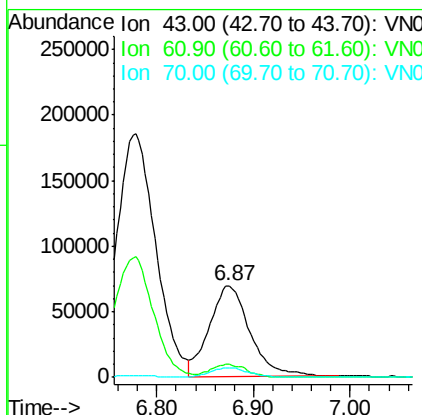
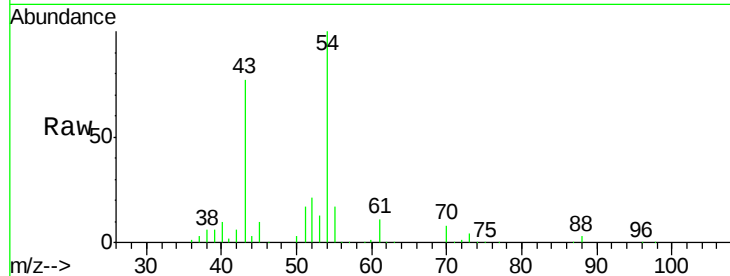
#37
Ethyl Acetate
Concen: 50.072 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.0	15.0
70	10.0	7.1	10.7

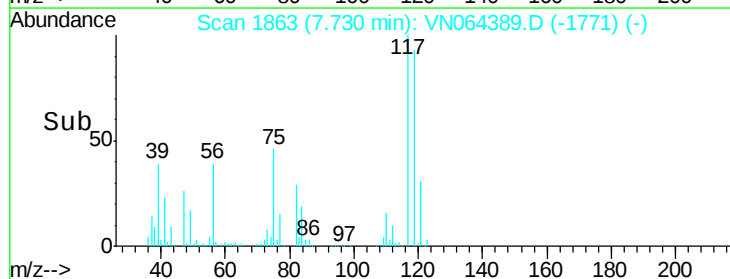
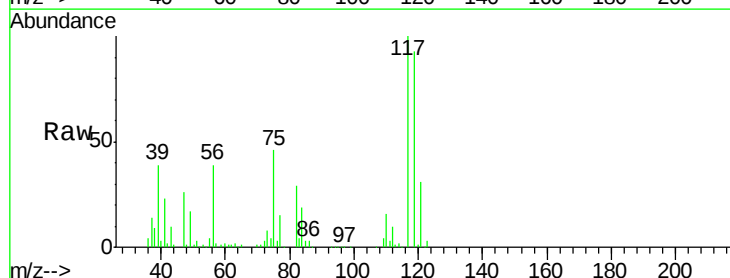
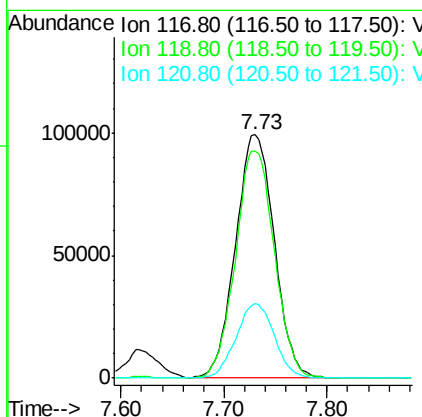
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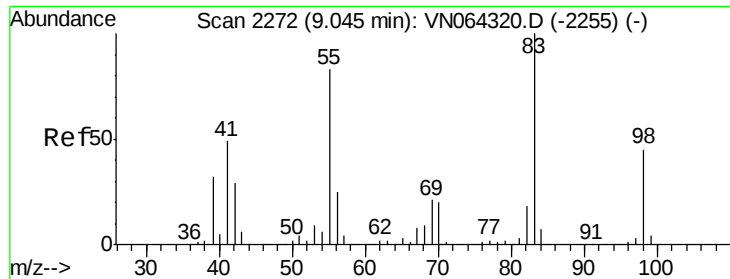
MMDadoda
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#38
Carbon Tetrachloride
Concen: 55.711 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.7	110.5
121	30.7	22.8	34.2





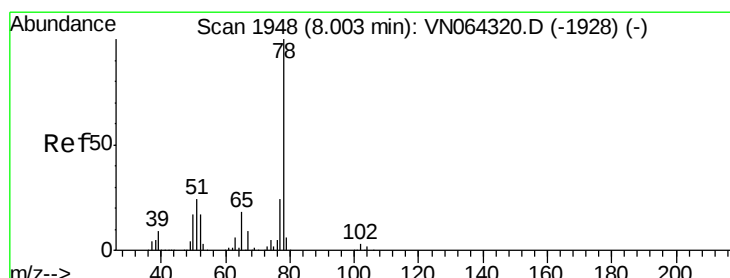
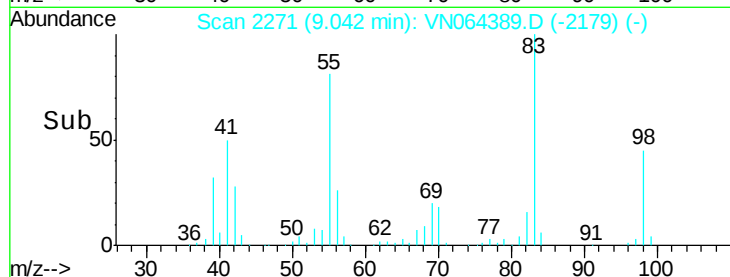
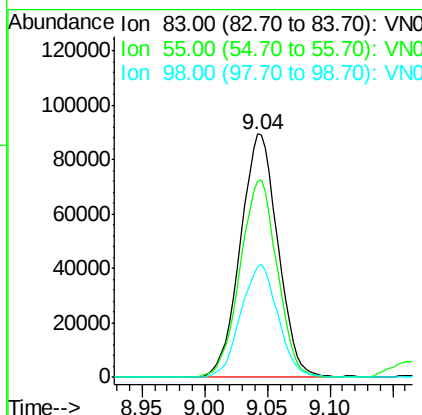
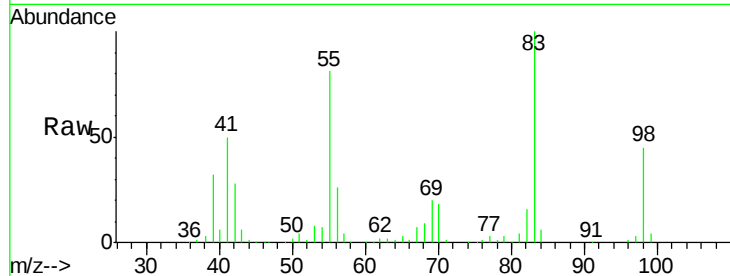
#39
Methvlcvclohexane
Concen: 47.014 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	66.2	99.4
98	45.4	36.0	54.0

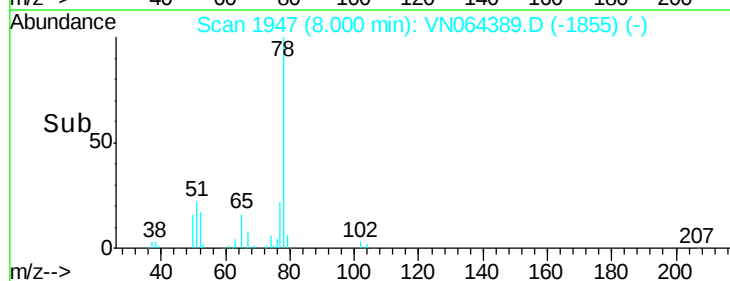
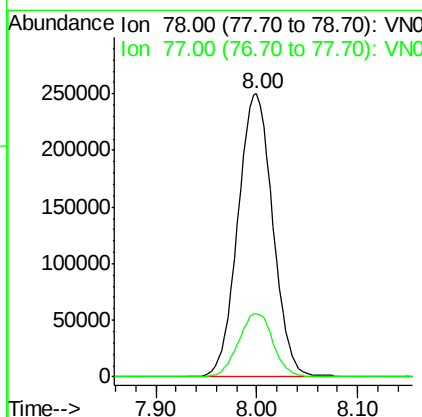
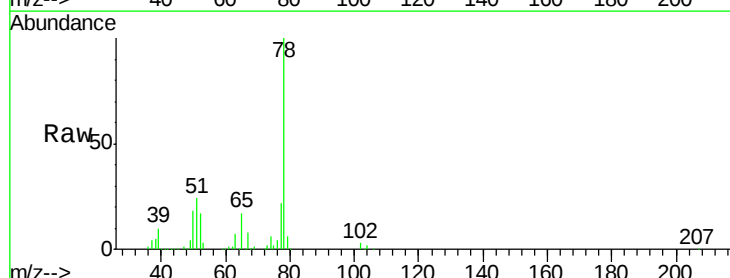
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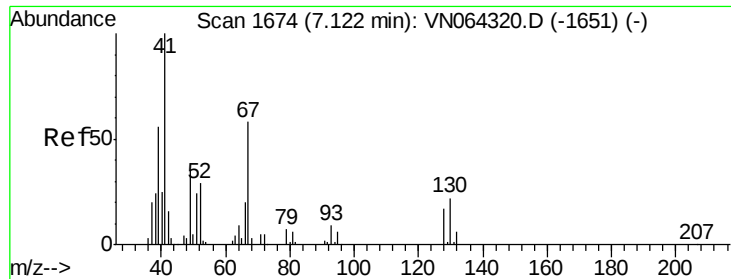
MMDadoda
11/2/2020 4:11:31 PM



#40
Benzene
Concen: 53.766 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.8	28.2





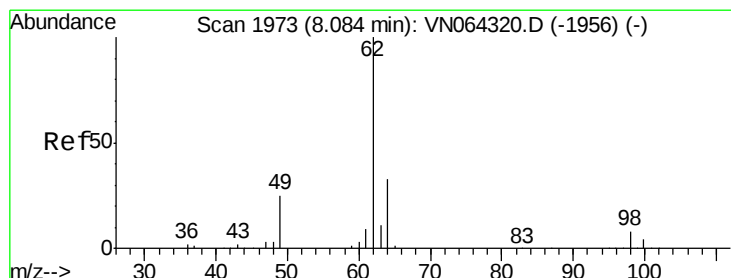
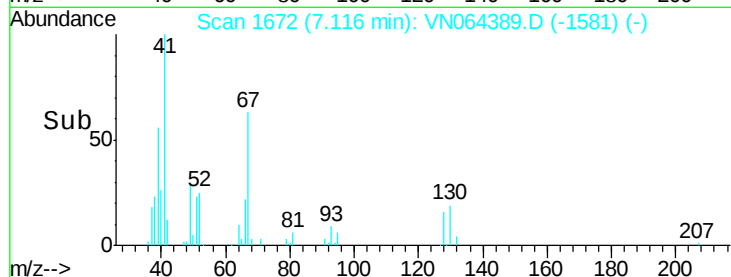
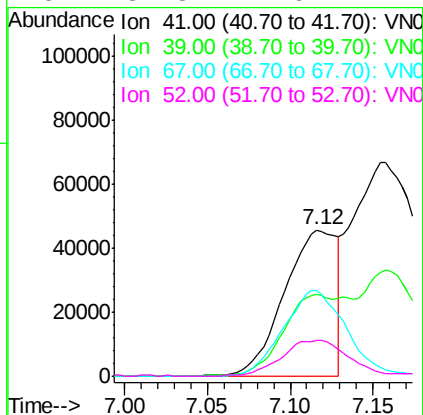
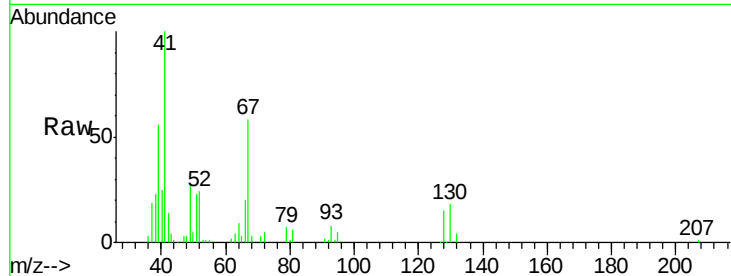
#41
Methacrylonitrile
Concen: 50.337 ug/l
RT: 7.12 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	51.5	48.6	72.8		
67	72.0	61.4	92.2		
52	31.3	27.6	41.4		

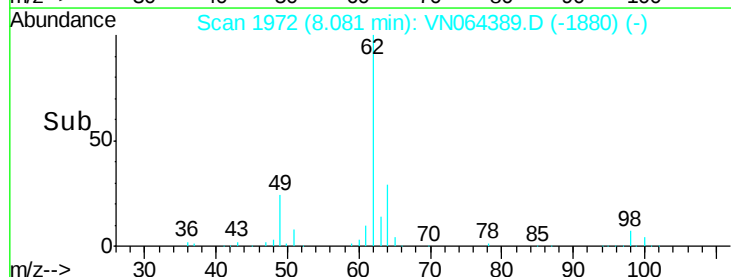
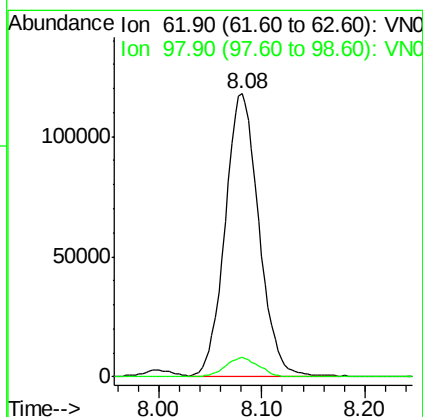
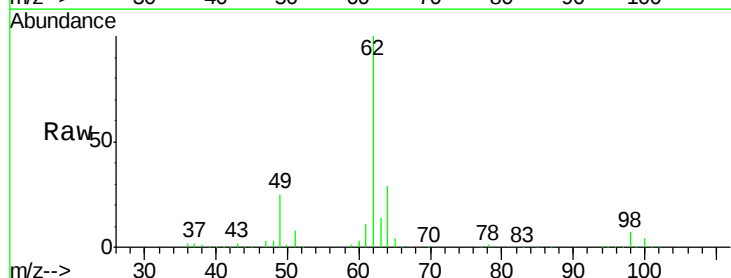
Manual Integrations
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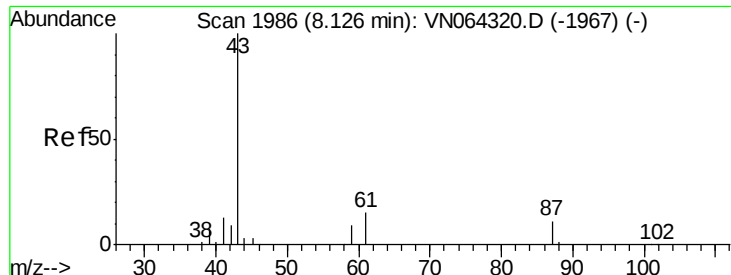
MMDadoda
11/2/2020 4:11:31 PM



#42
1,2-Dichloroethane
Concen: 55.608 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	6.8	0.0	14.2		





#43

Isopropyl Acetate

Concen: 53.225 ug/l

RT: 8.12 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

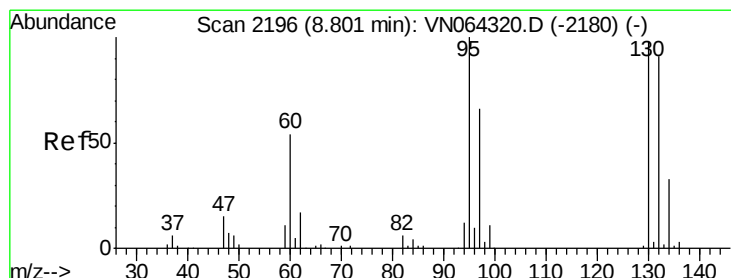
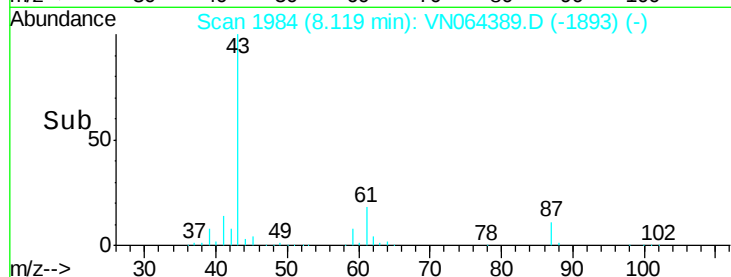
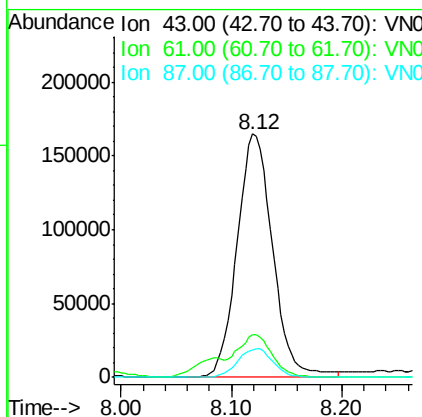
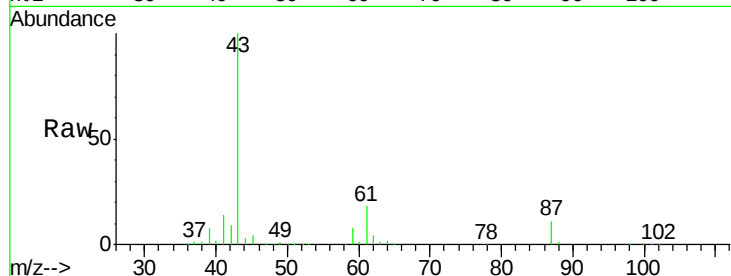
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	367481
Ion	Ratio	Lower	Upper
43	100		
61	17.2	19.1	28.7#
87	11.7	9.3	13.9

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#44

Trichloroethene

Concen: 55.481 ug/l

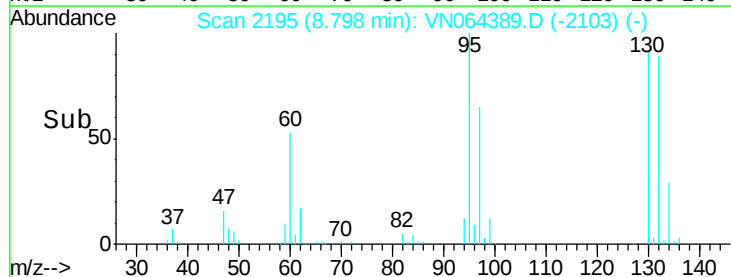
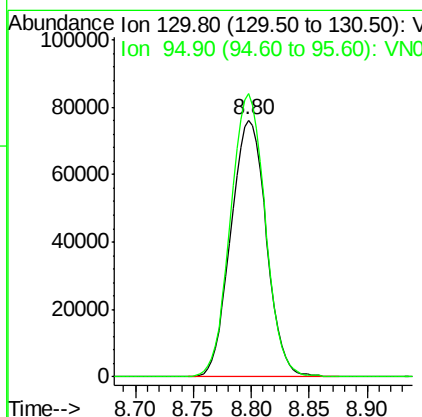
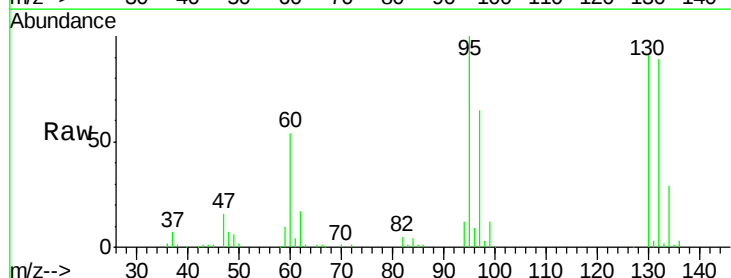
RT: 8.80 min Scan# 2195

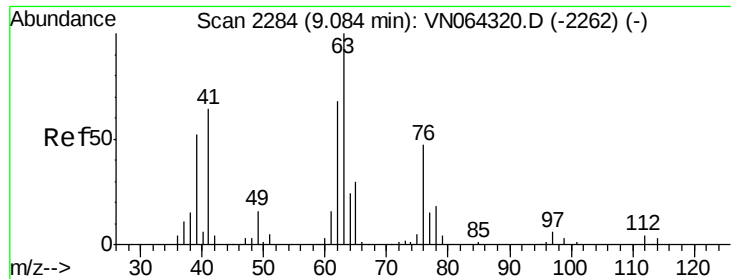
Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Tgt Ion:	130	Resp:	161767
Ion	Ratio	Lower	Upper
130	100		
95	110.1	0.0	203.6





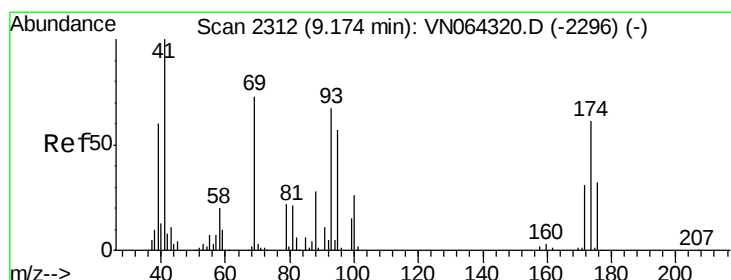
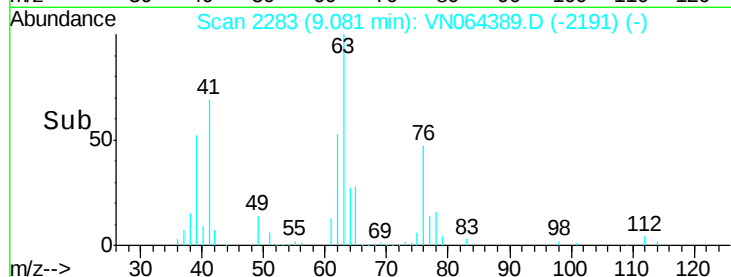
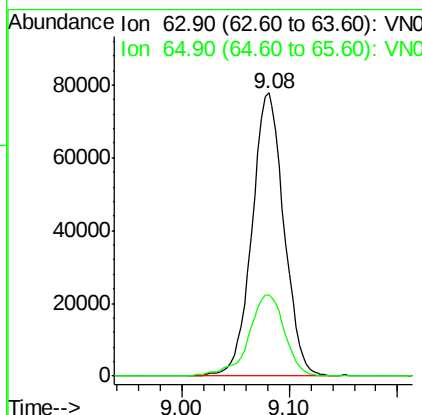
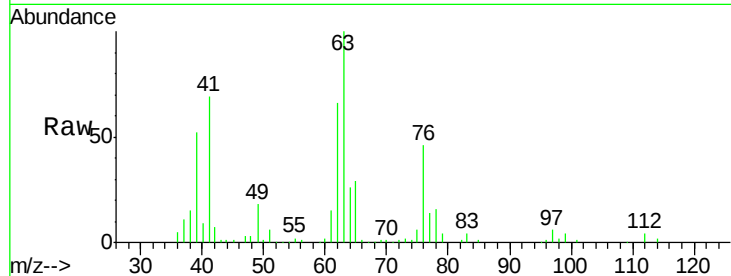
#45
 1,2-Dichloropropane
 Concen: 53.708 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 160077
 Ion Ratio Lower Upper
 63 100
 65 28.6 24.3 36.5

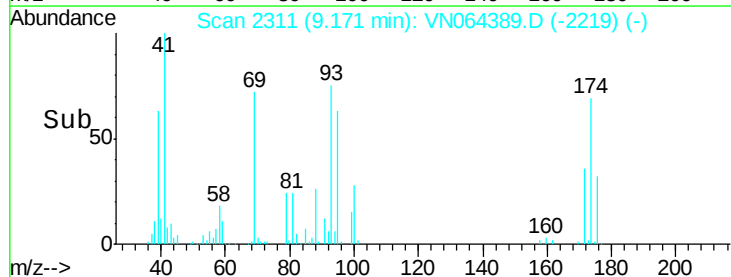
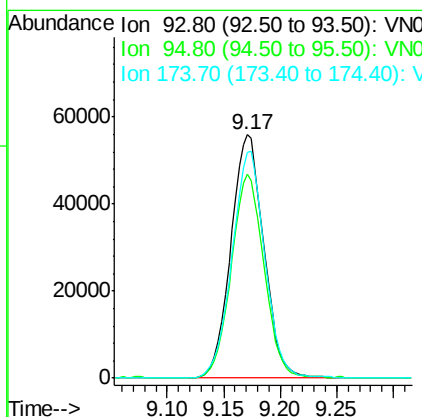
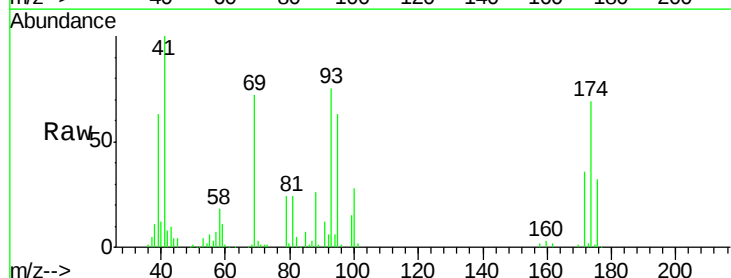
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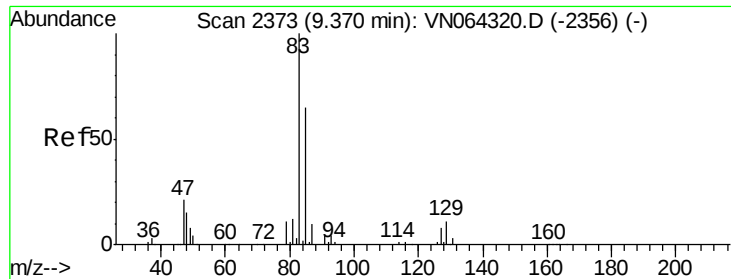
MMDadoda
 11/2/2020 4:11:31 PM



#46
 Dibromomethane
 Concen: 54.329 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion: 93 Resp: 113282
 Ion Ratio Lower Upper
 93 100
 95 83.5 64.4 96.6
 174 92.5 71.4 107.0





#47

Bromodichloromethane

Concen: 53.337 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

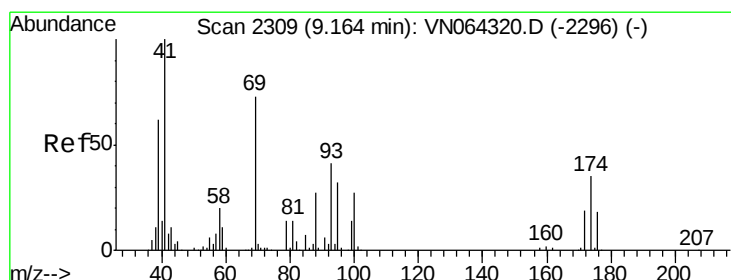
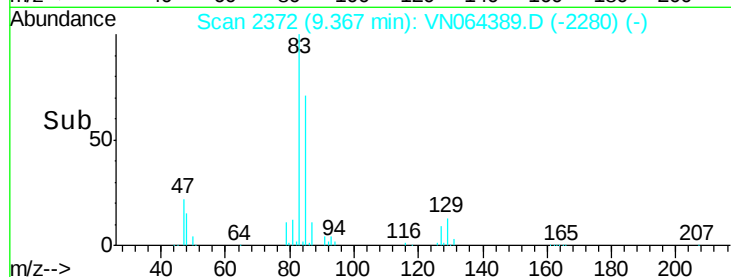
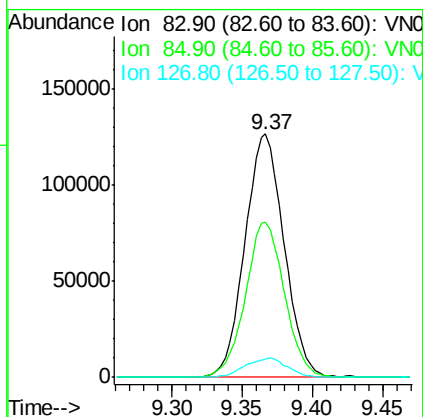
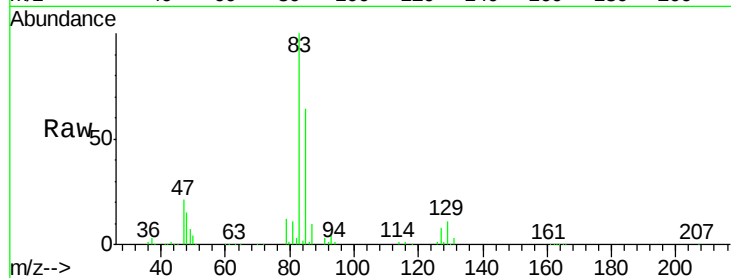
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	246469
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.1	78.1
127	7.7	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.615 ug/l

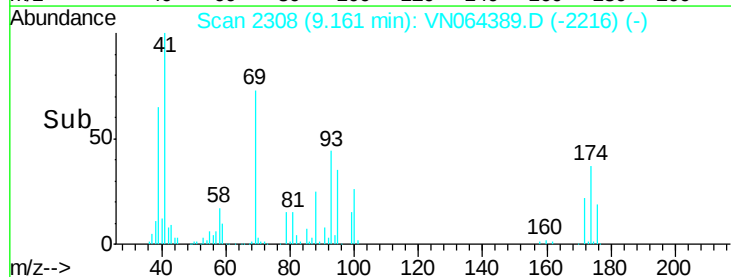
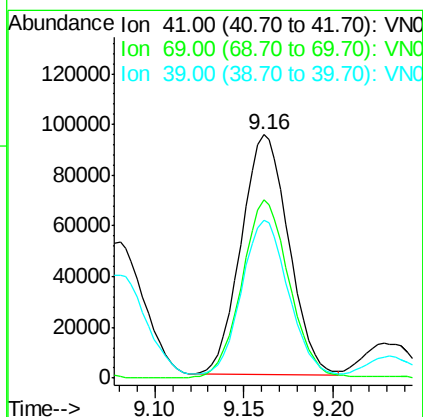
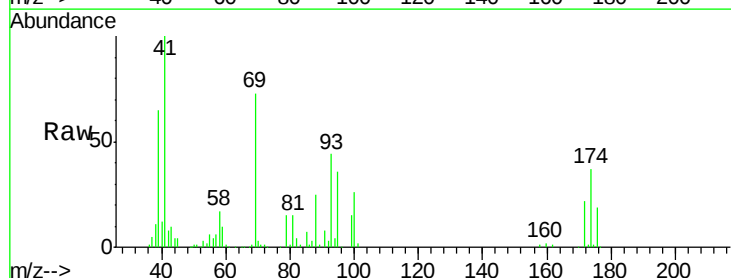
RT: 9.16 min Scan# 2308

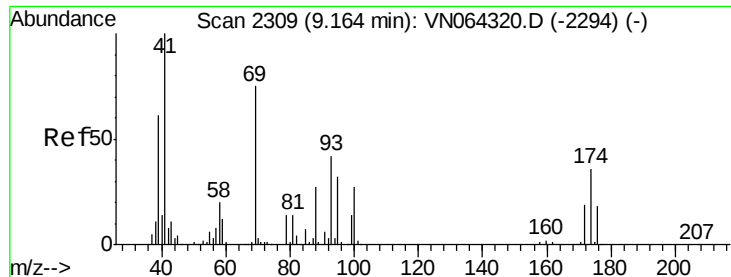
Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Tgt Ion:	41	Resp:	176738
Ion	Ratio	Lower	Upper
41	100		
69	74.2	59.1	88.7
39	65.6	51.3	76.9





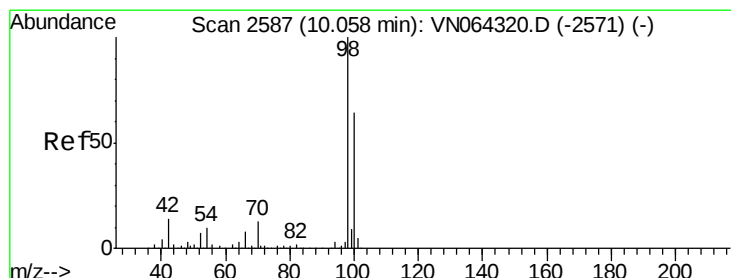
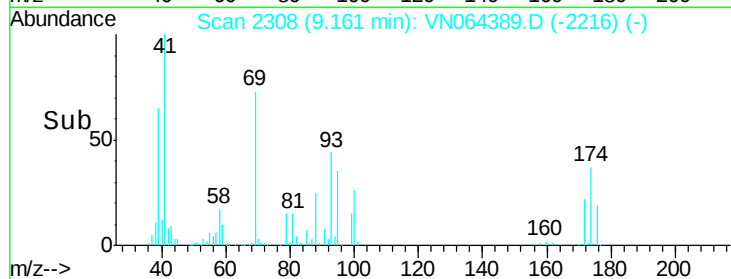
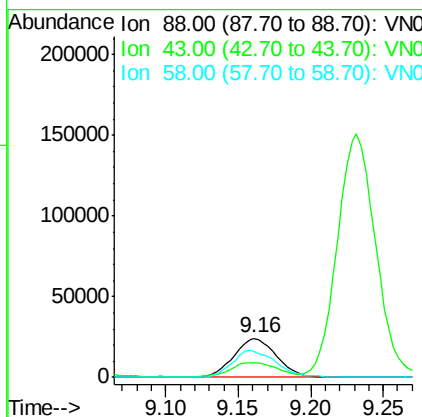
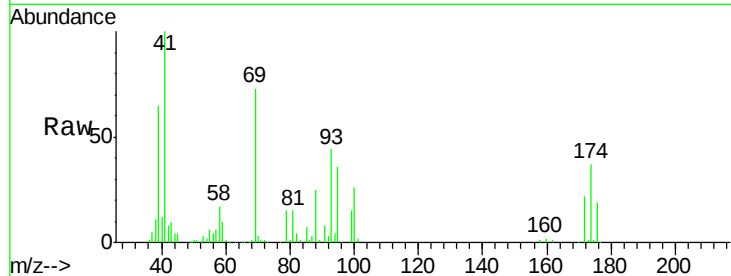
#49
1,4-Dioxane
Concen: 941.060 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.5	31.8	47.8
58	71.9	60.3	90.5

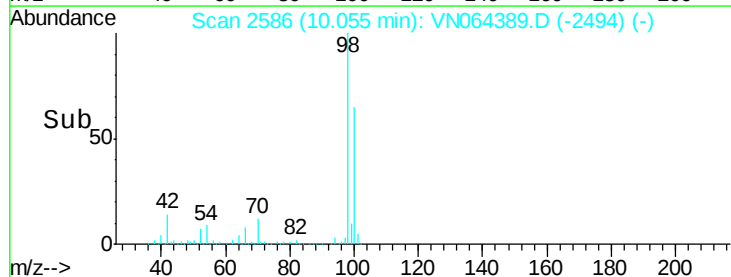
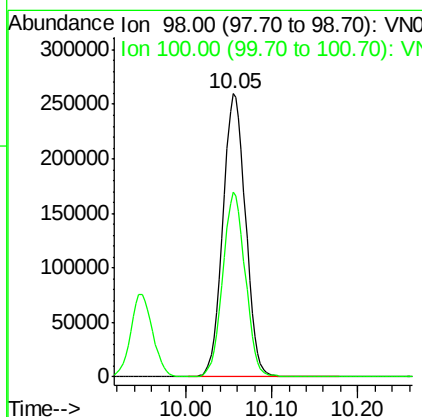
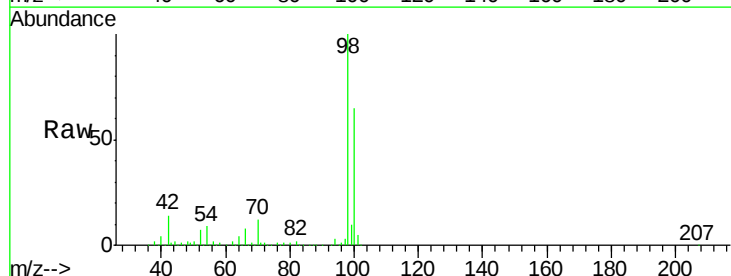
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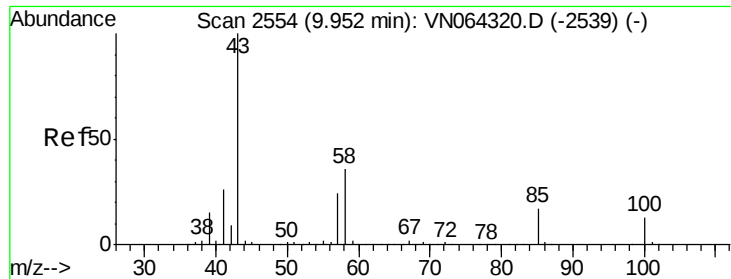
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#50
Toluene-d8
Concen: 48.891 ug/l
RT: 10.05 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 256.209 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1028266

Ion Ratio Lower Upper

43 100

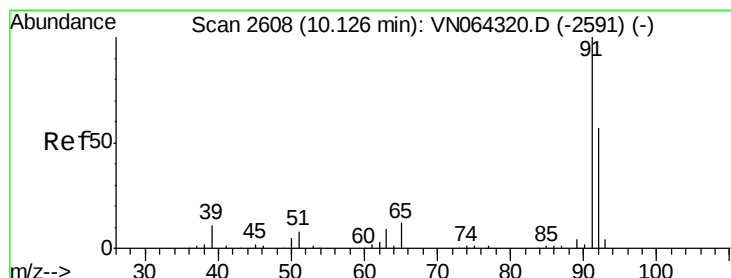
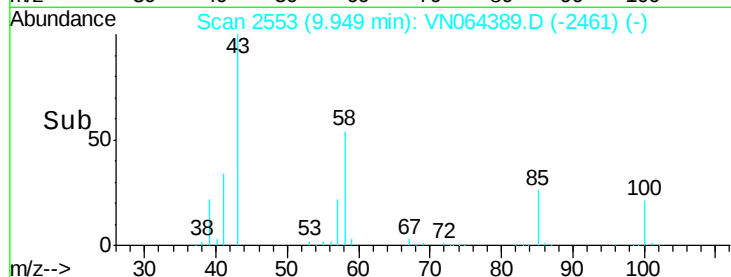
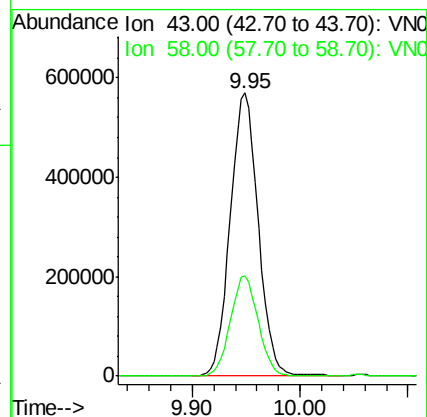
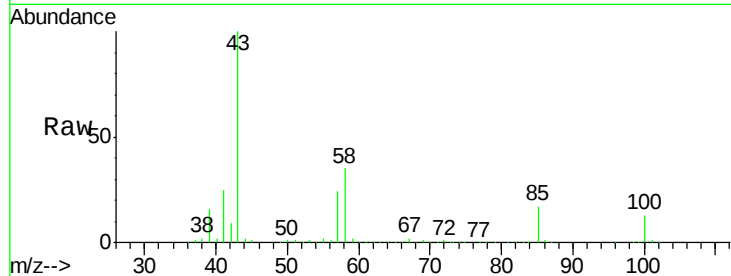
58 35.2 28.6 42.8

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#52

Toluene

Concen: 54.690 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064389.D

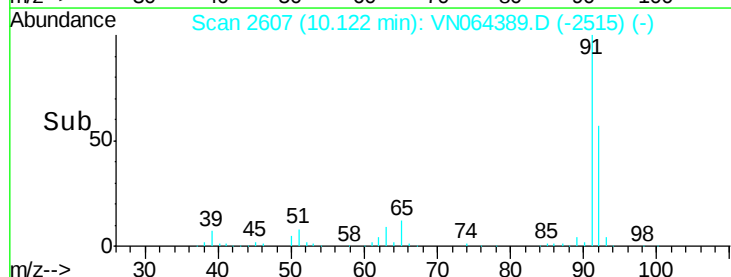
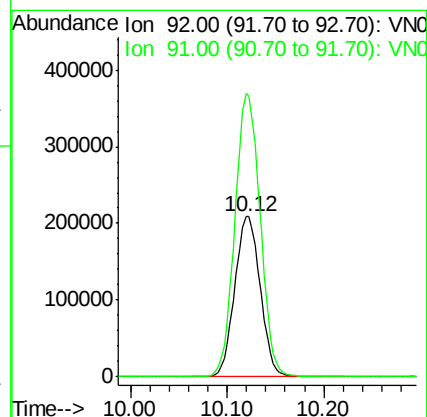
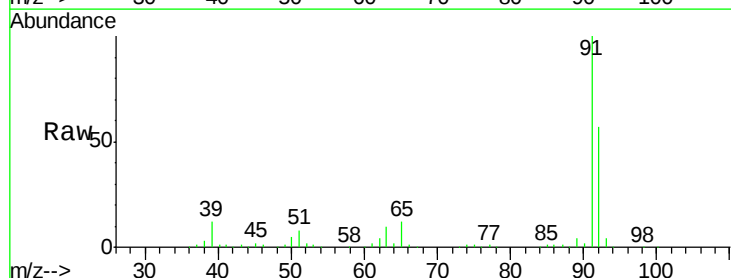
Acq: 30 Oct 2020 10:30

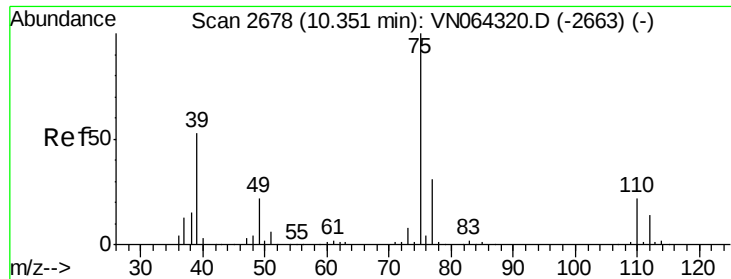
Tgt Ion: 92 Resp: 384111

Ion Ratio Lower Upper

92 100

91 175.0 139.9 209.9





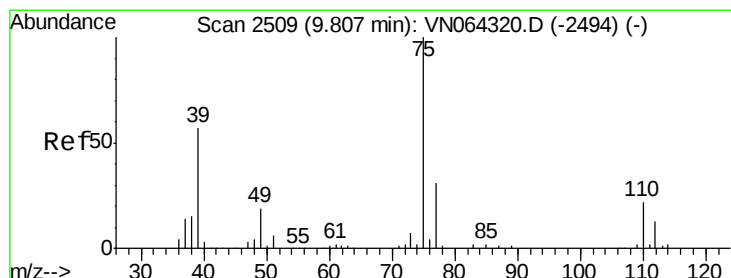
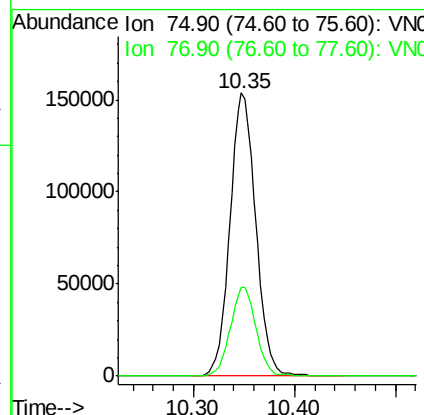
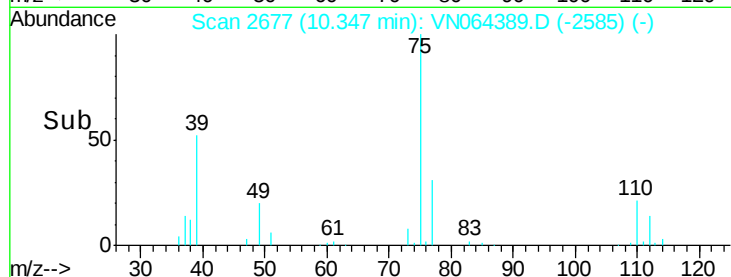
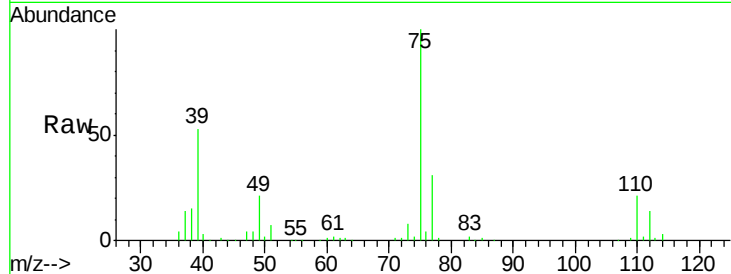
#53
t-1,3-Dichloropropene
Concen: 56.227 ug/l
RT: 10.35 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 274725
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2

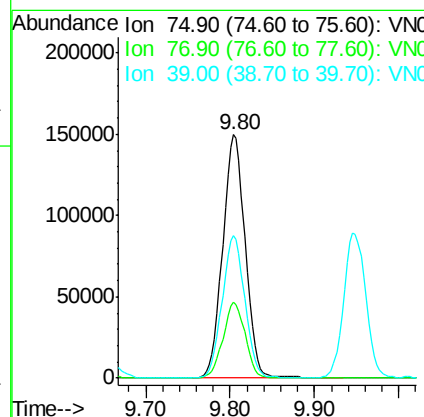
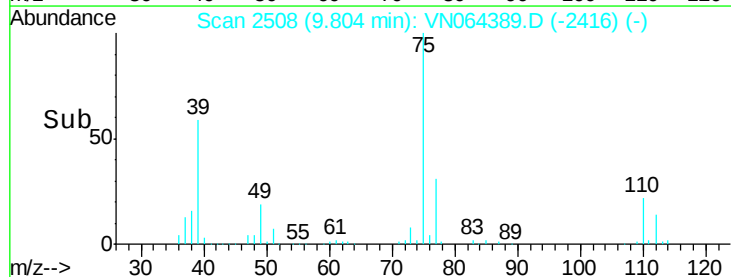
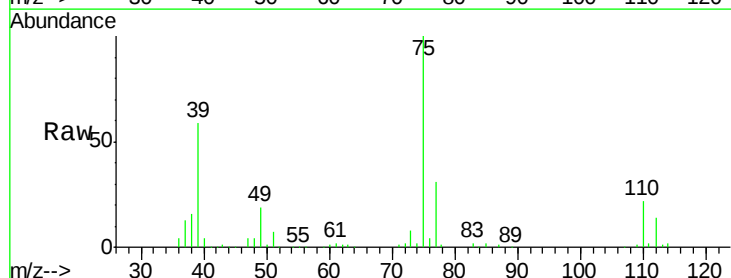
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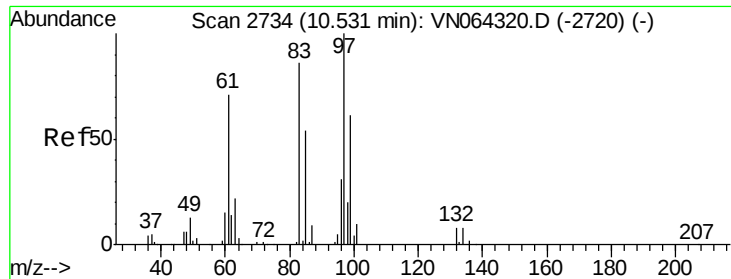
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#54
cis-1,3-Dichloropropene
Concen: 55.233 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion: 75 Resp: 277796
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.4
39 58.6 45.5 68.3





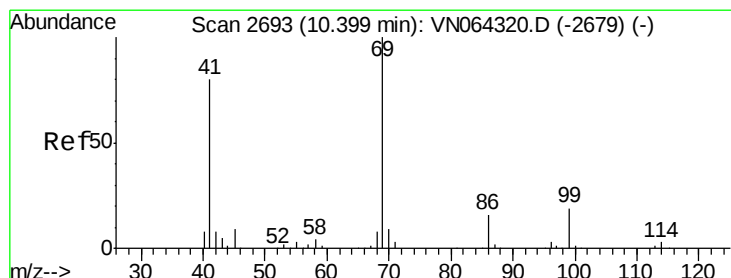
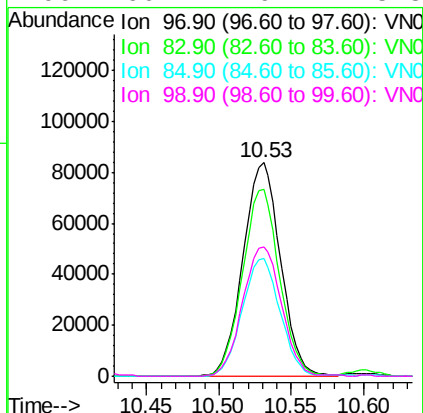
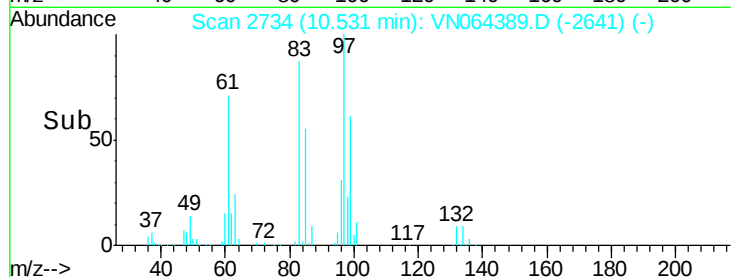
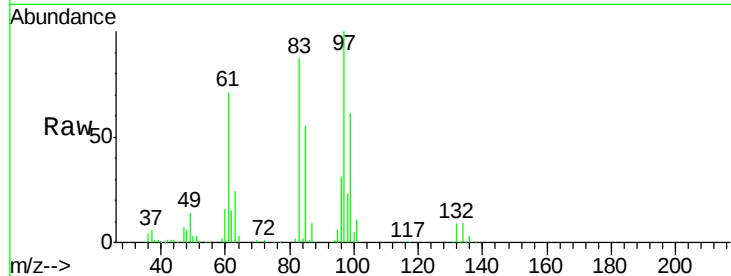
#55
 1,1,2-Trichloroethane
 Concen: 54.578 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	151310
Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.9	103.3
85	55.2	43.6	65.4
99	60.7	49.2	73.8

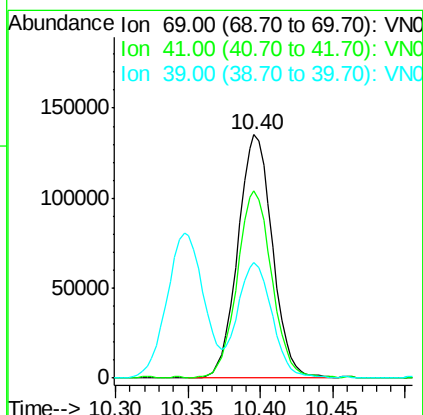
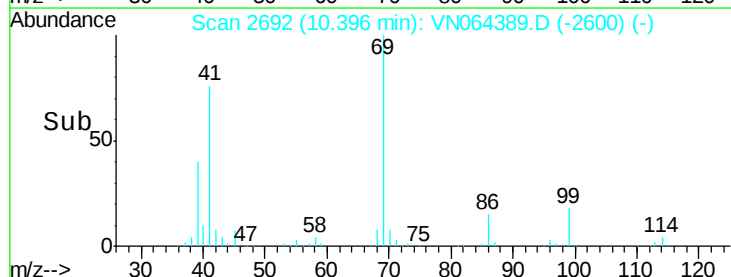
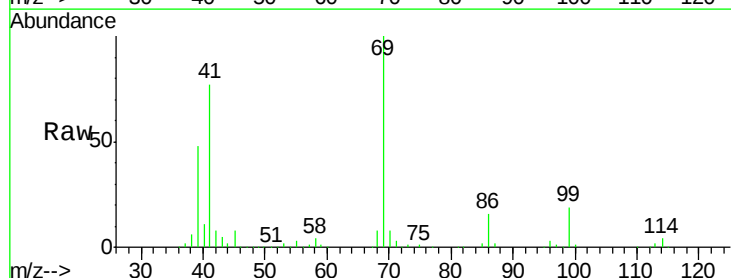
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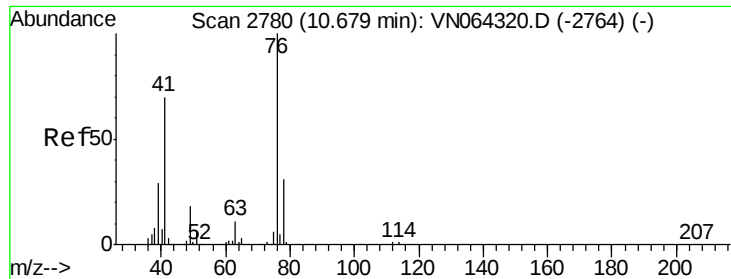
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#56
 Ethyl methacrylate
 Concen: 53.482 ug/l
 RT: 10.40 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion:	69	Resp:	224449
Ion	Ratio	Lower	Upper
69	100		
41	76.3	61.4	92.2
39	47.0	36.5	54.7





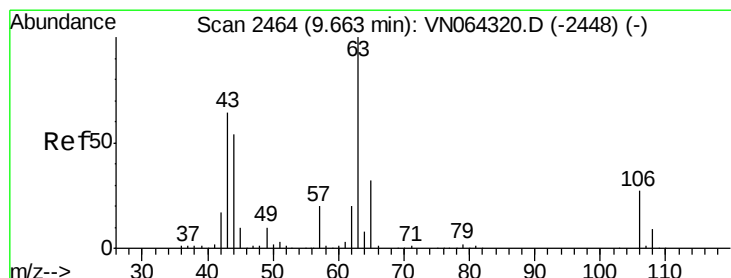
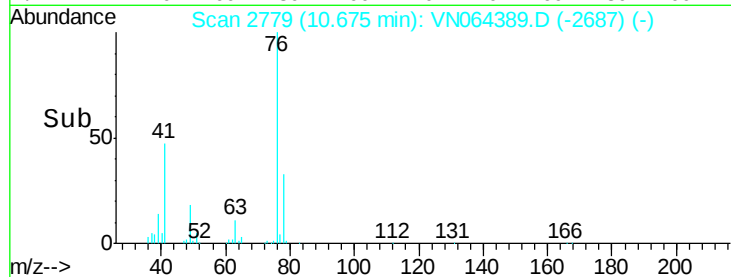
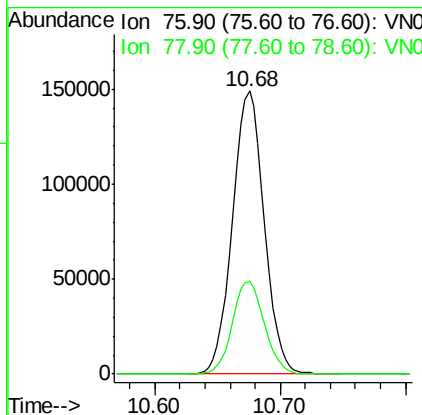
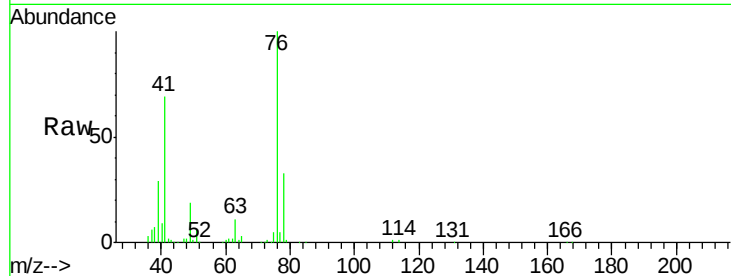
#57
 1,3-Dichloropropane
 Concen: 55.405 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 262023
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.8 38.6

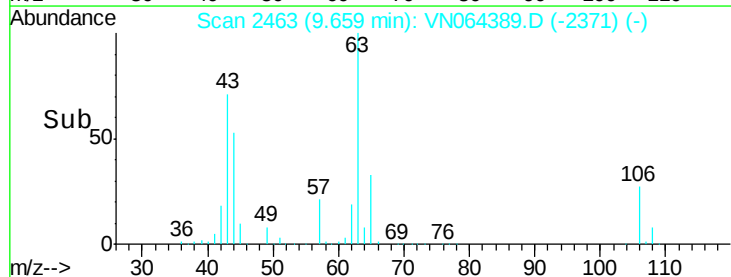
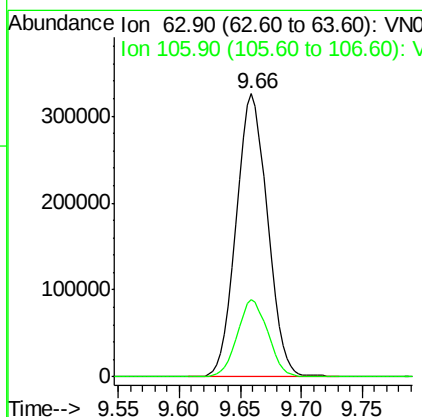
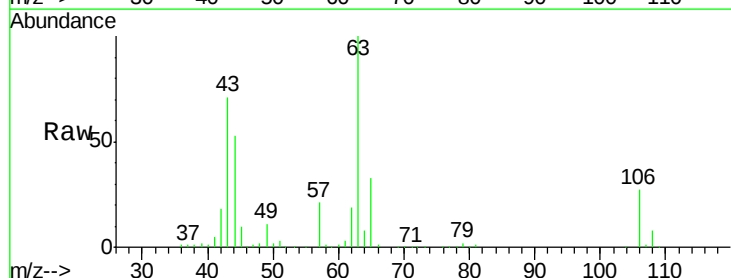
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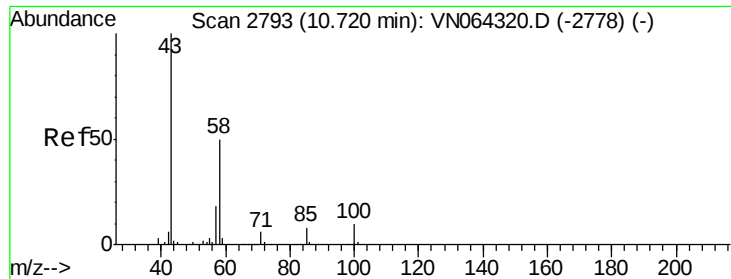
MMDadoda
 11/2/2020 4:11:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.967 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion: 63 Resp: 579324
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.0 31.4





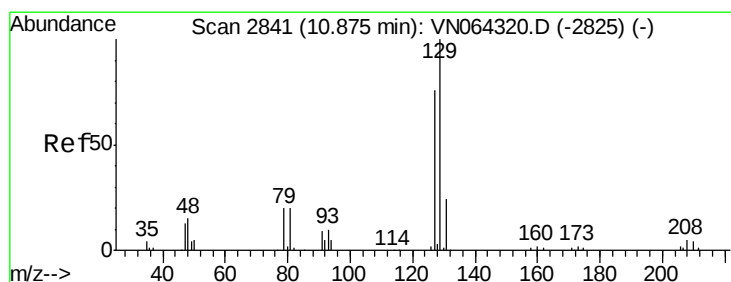
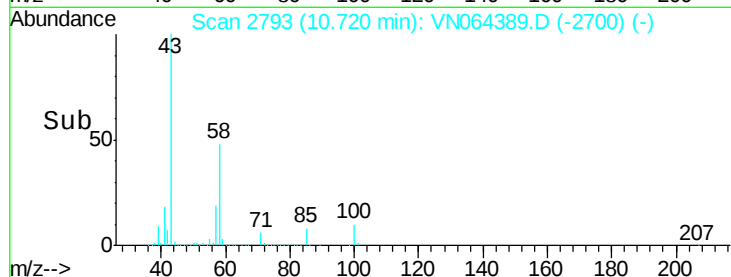
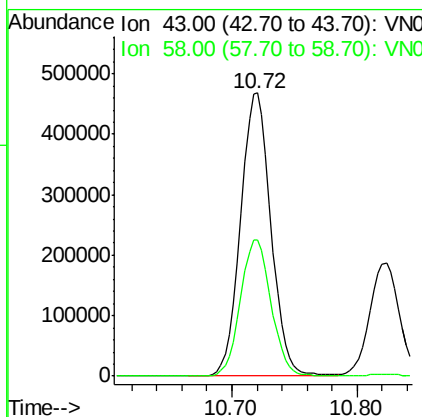
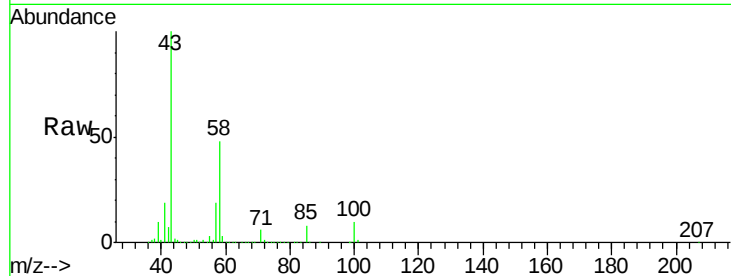
#59
2-Hexanone
Concen: 266.019 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 786313
Ion Ratio Lower Upper
43 100
58 48.9 25.0 75.0

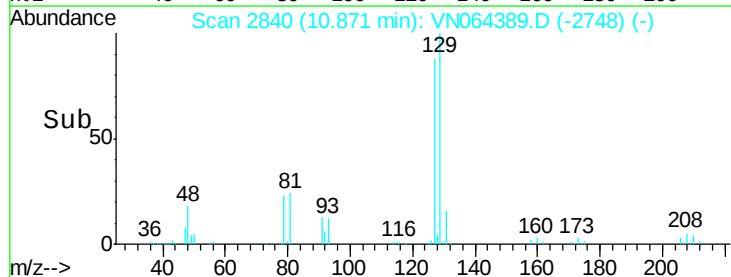
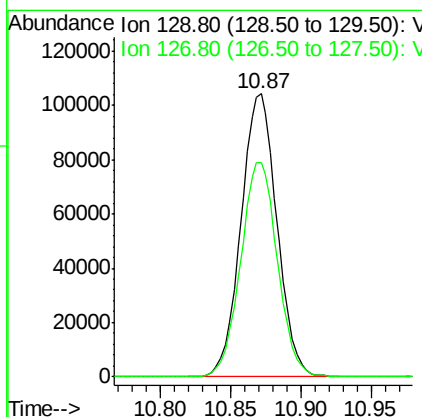
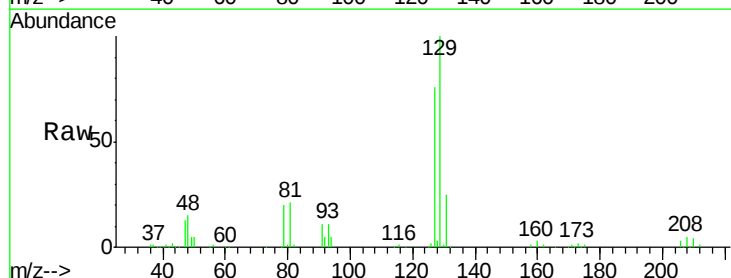
Manual Integrations
APPROVED

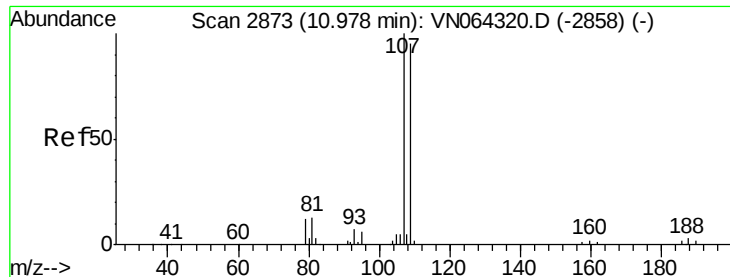
MMDadoda
11/2/2020 4:11:31 PM



#60
Dibromochloromethane
Concen: 56.775 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion: 129 Resp: 186104
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





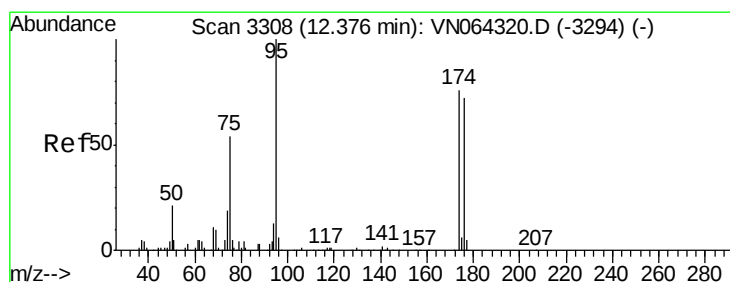
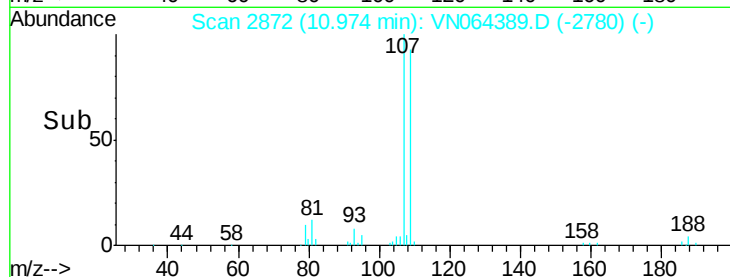
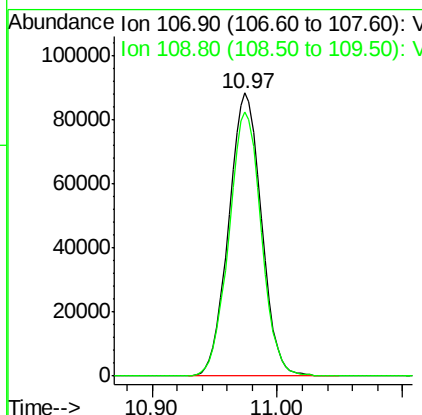
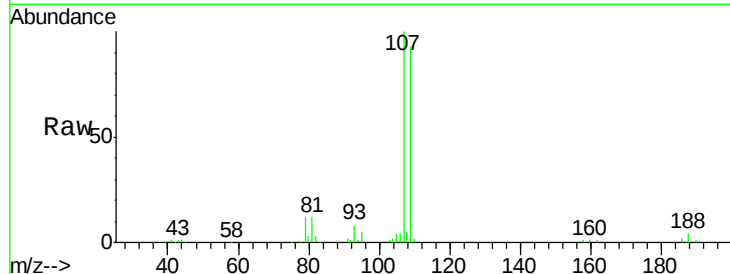
#61
 1,2-Dibromoethane
 Concen: 56.621 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.8	113.8

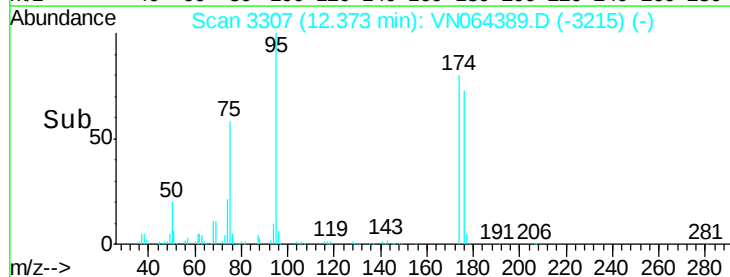
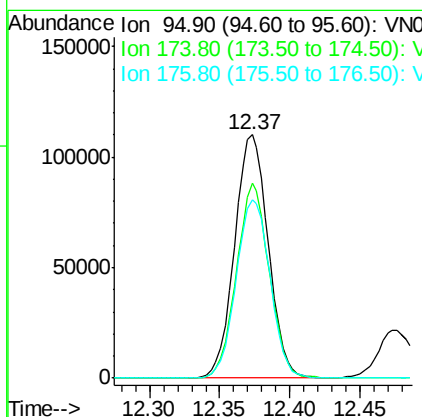
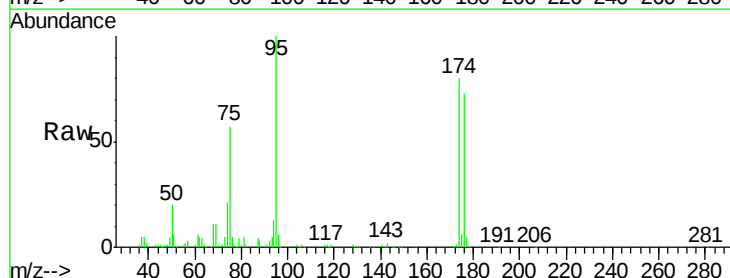
Manual Integrations
 APPROVED

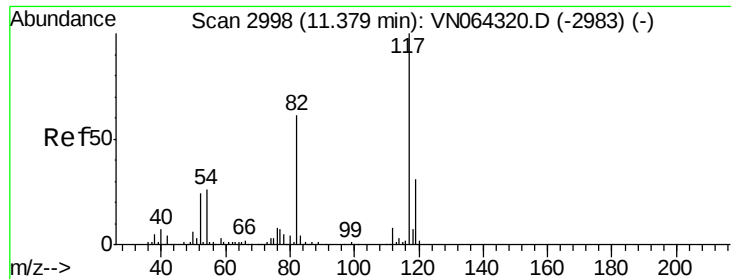
MMDadoda
 11/2/2020 4:11:31 PM



#62
 4-Bromofluorobenzene
 Concen: 48.317 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	147.4
176	74.0	0.0	143.6





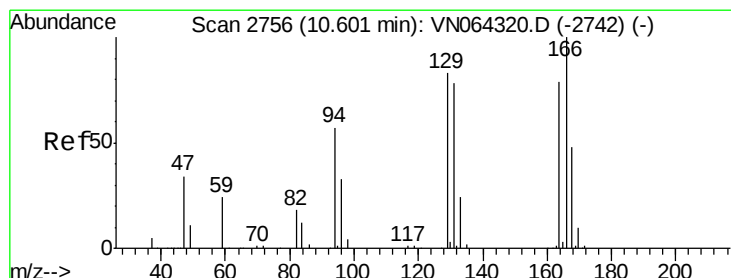
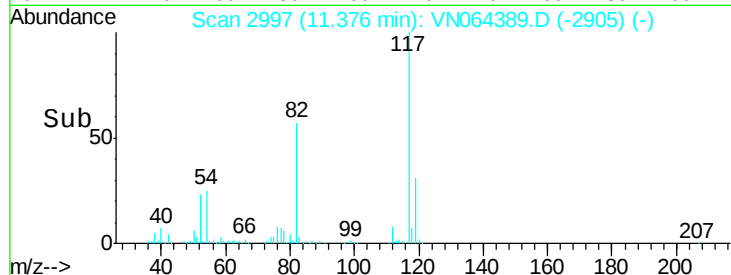
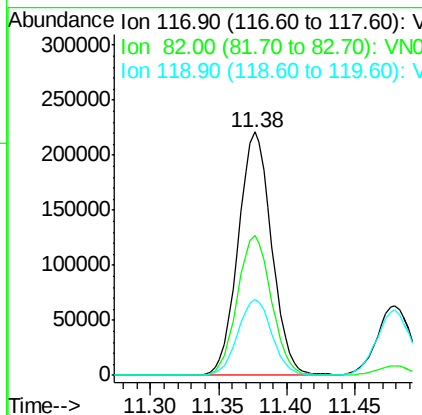
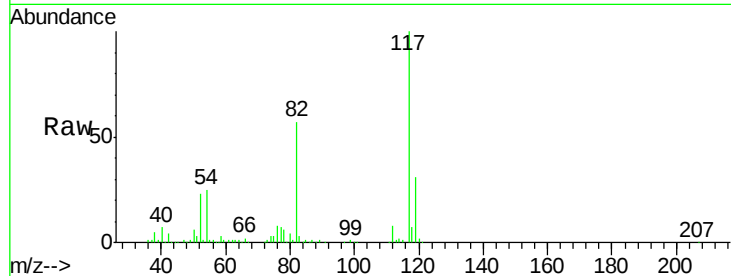
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	376925		
82	57.2	48.8	73.2	
119	31.1	25.1	37.7	

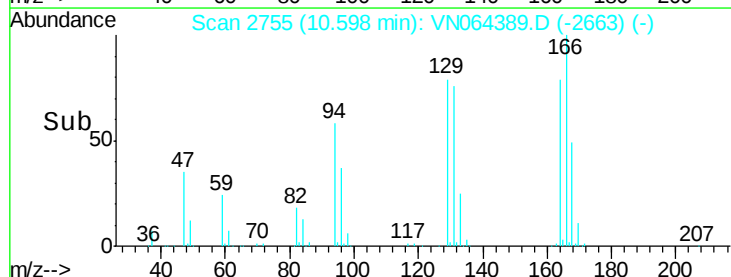
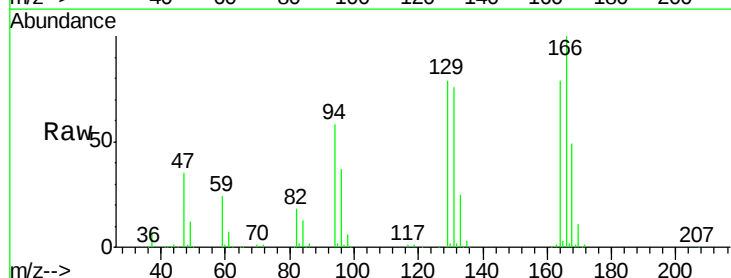
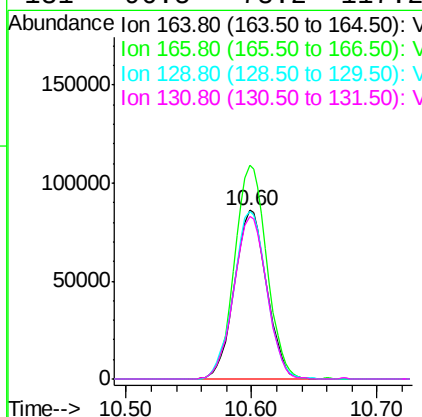
Manual Integrations
APPROVED

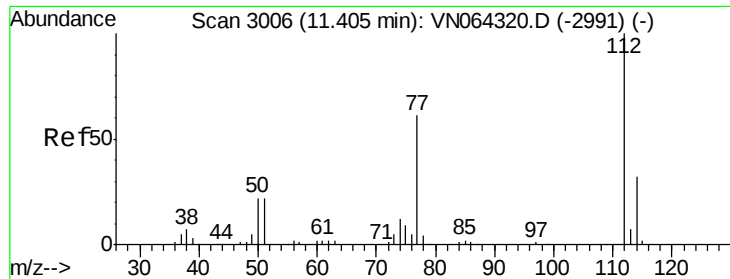
MMDadoda
11/2/2020 4:11:31 PM



#64
Tetrachloroethene
Concen: 49.881 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	154529		
166	126.6	100.7	151.1	
129	99.4	83.7	125.5	
131	96.5	78.2	117.2	





#65

Chlorobenzene

Concen: 54.057 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 413076

Ion Ratio Lower Upper

112 100

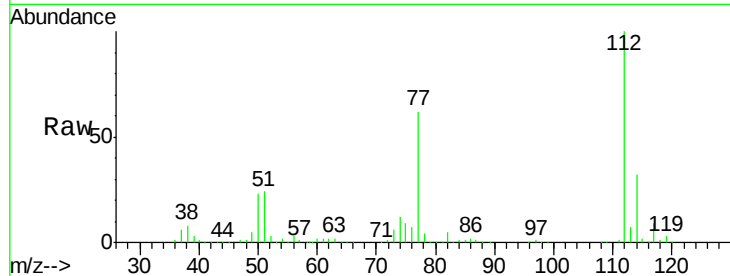
114 31.5 25.4 38.0

Manual Integrations

APPROVED

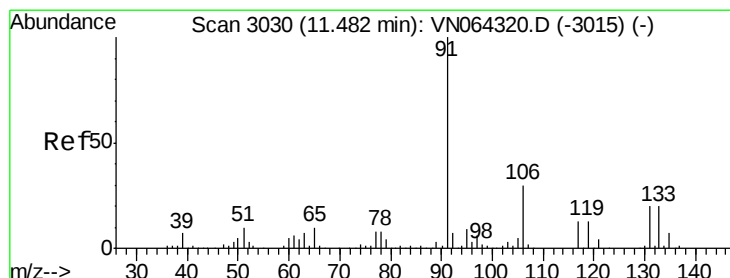
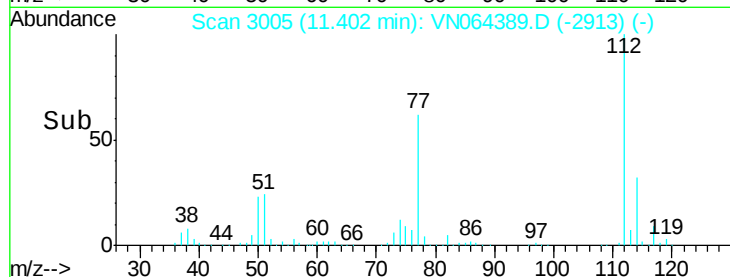
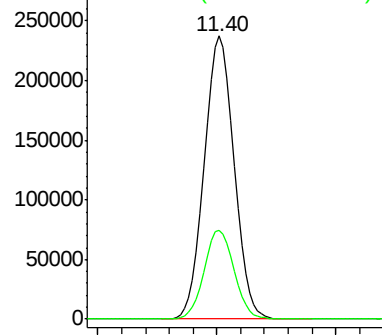
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.282 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

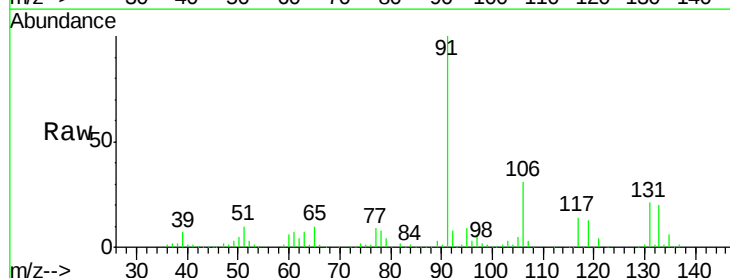
Tgt Ion:131 Resp: 164565

Ion Ratio Lower Upper

131 100

133 95.9 49.3 147.8

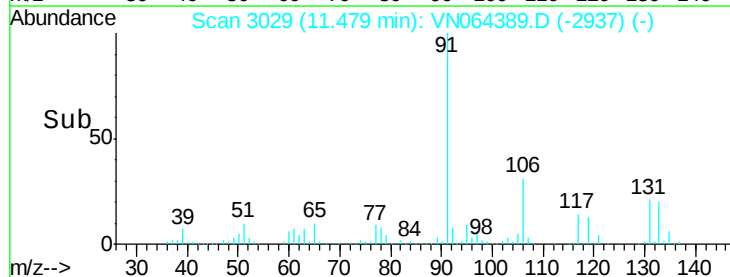
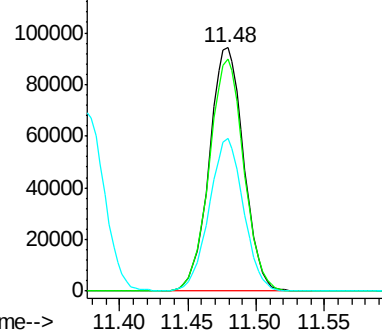
119 62.7 32.3 96.9

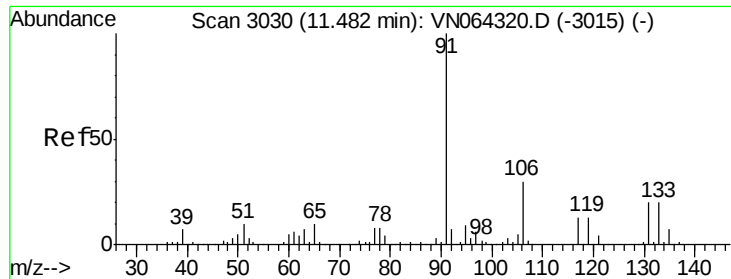


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





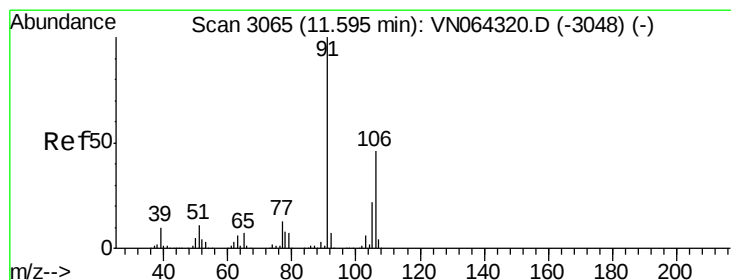
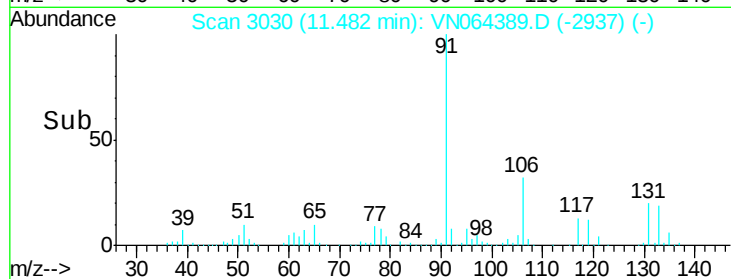
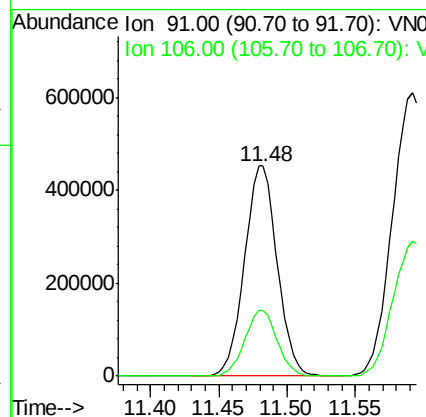
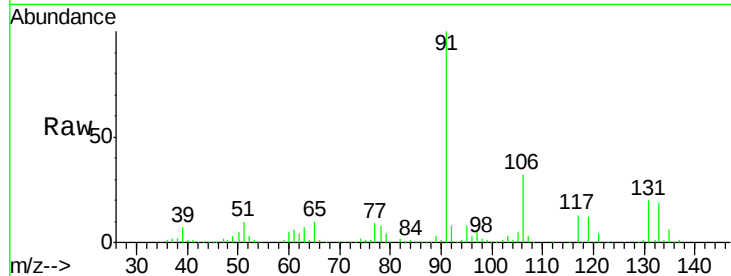
#67
Ethyl Benzene
Concen: 53.015 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 753168
Ion Ratio Lower Upper
91 100
106 31.6 23.7 35.5

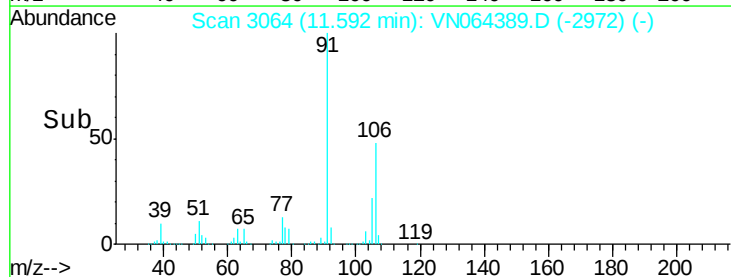
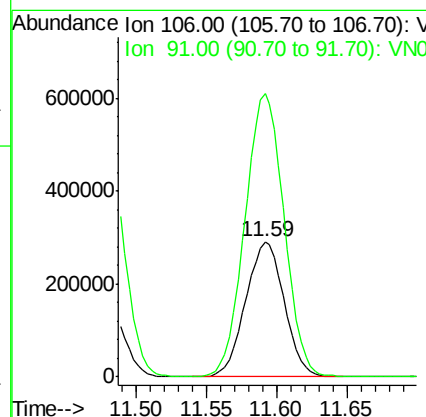
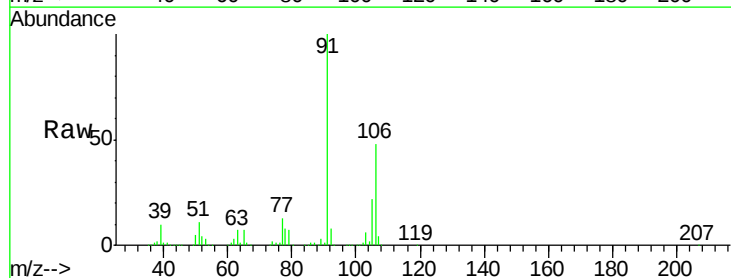
Manual Integrations
APPROVED

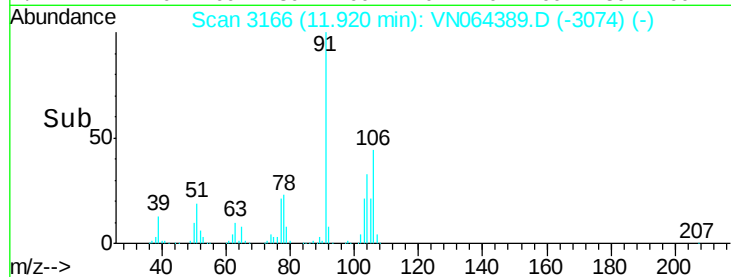
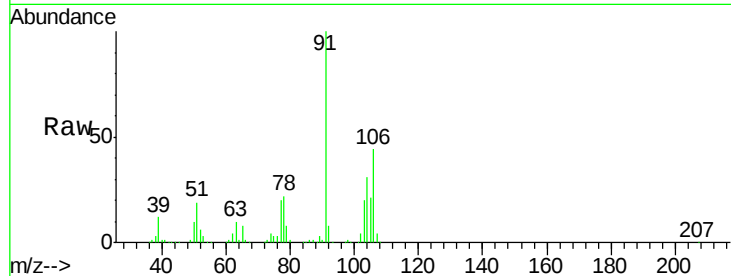
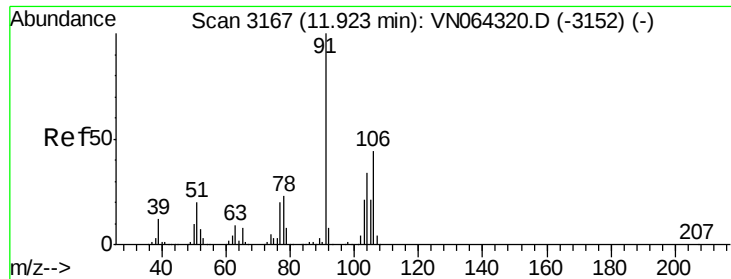
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11/2/2020 4:11:31 PM



#68
m/p-Xylenes
Concen: 105.804 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion: 106 Resp: 557044
Ion Ratio Lower Upper
106 100
91 213.2 170.2 255.4





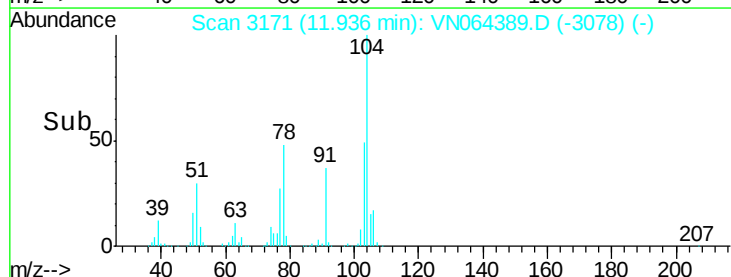
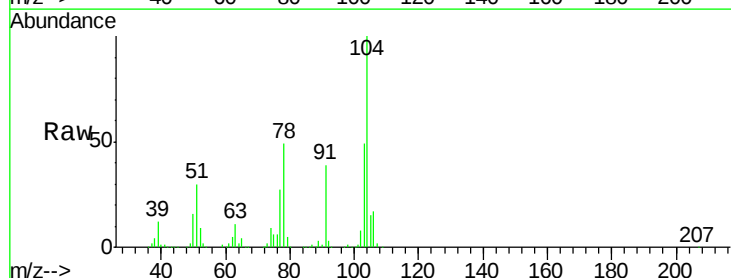
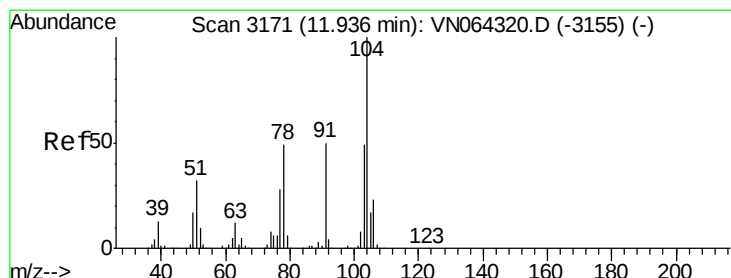
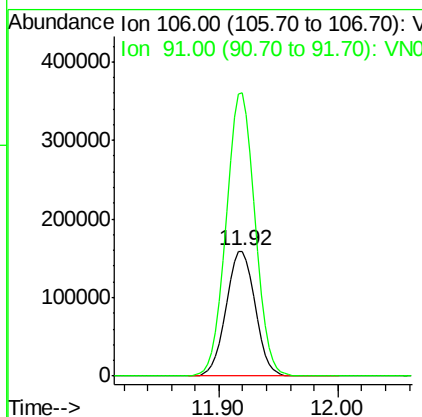
#69
o-Xylene
Concen: 53.231 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.6	114.5	343.5

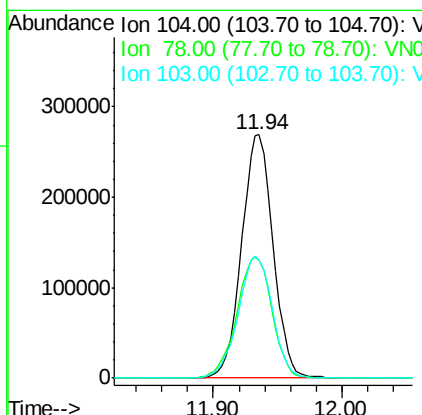
Manual Integrations
APPROVED

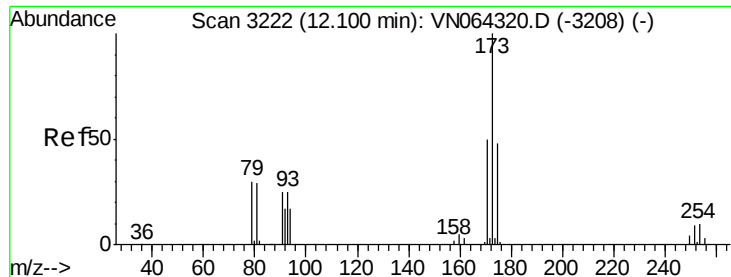
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11/2/2020 4:11:31 PM



#70
Styrene
Concen: 54.972 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.5	43.7	65.5
103	54.5	43.3	64.9





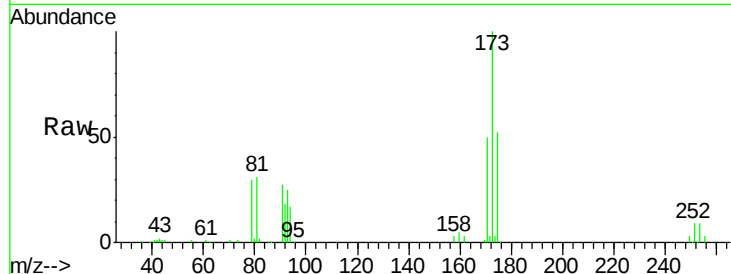
#71
Bromoform
Concen: 51.504 ug/l
RT: 12.10 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

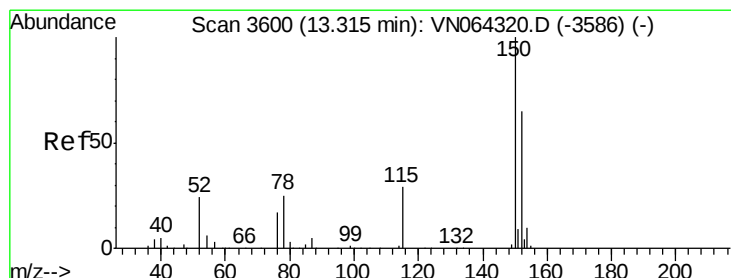
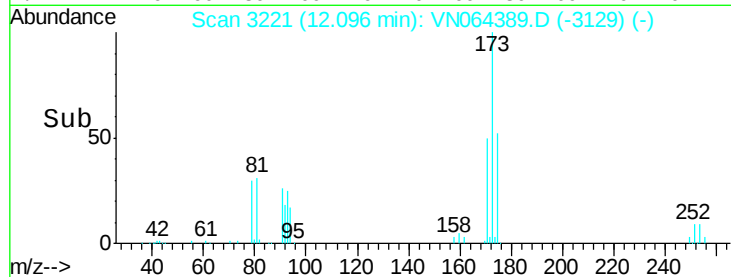
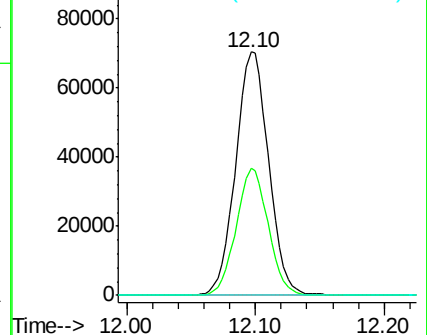
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	25.4	76.0
254	0.0	0.0	0.0

Manual Integrations
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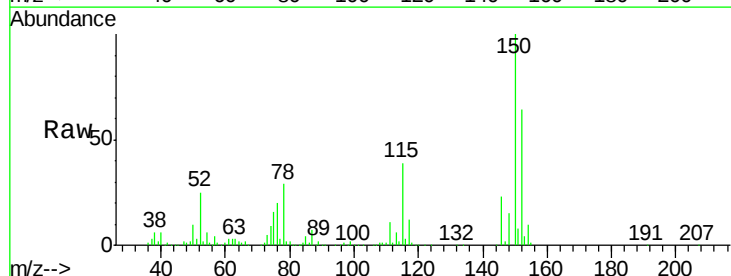


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

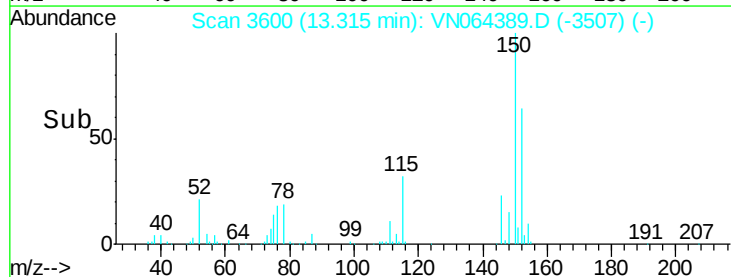
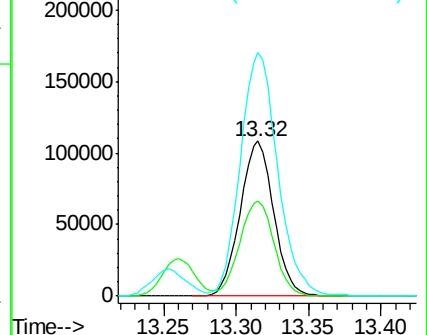


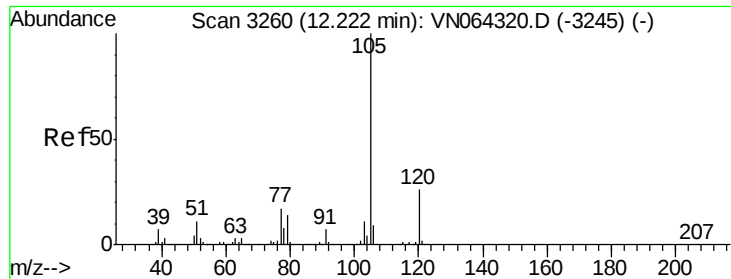
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.5	94.5
150	174.6	0.0	346.2



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





#73

Isopropylbenzene

Concen: 53.522 ug/l

RT: 12.22 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 698539

Ion Ratio Lower Upper

105 100

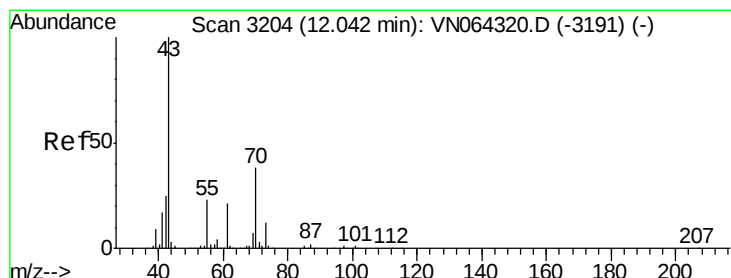
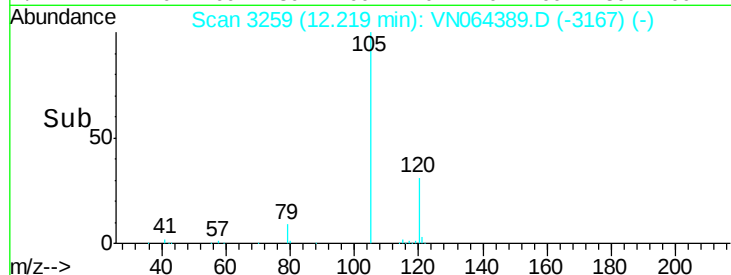
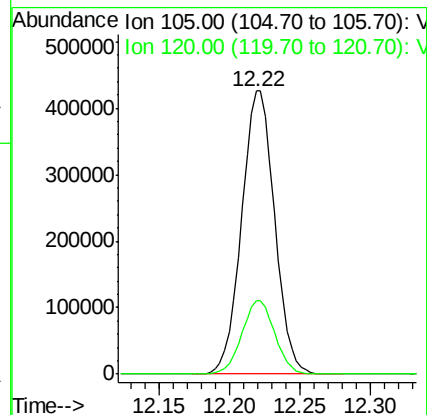
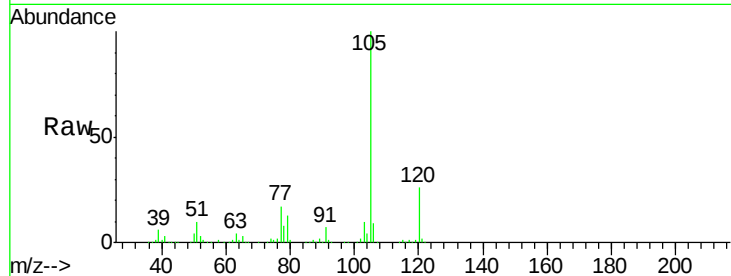
120 25.8 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.473 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Tgt Ion: 43 Resp: 318677

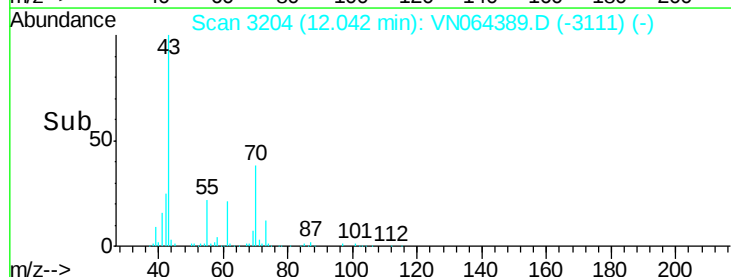
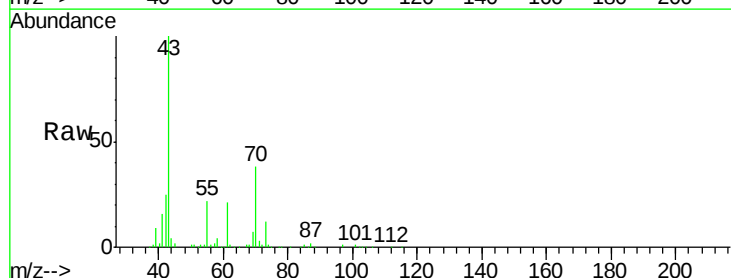
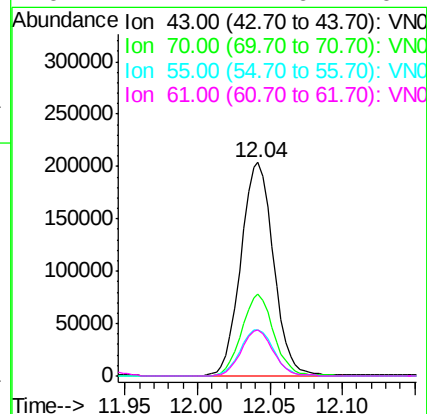
Ion Ratio Lower Upper

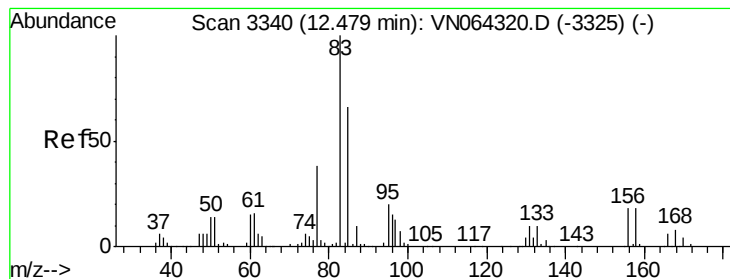
43 100

70 37.9 30.6 45.8

55 22.6 18.2 27.4

61 21.2 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.607 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

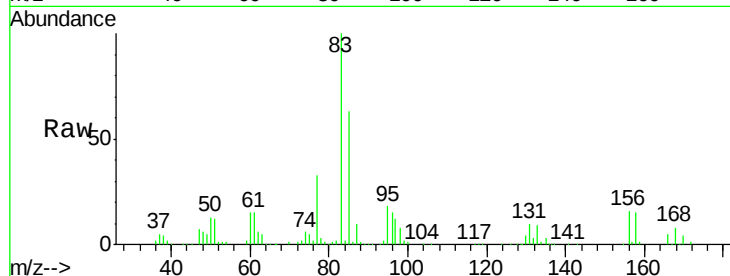
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	199575
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	64.3	33.0	98.9

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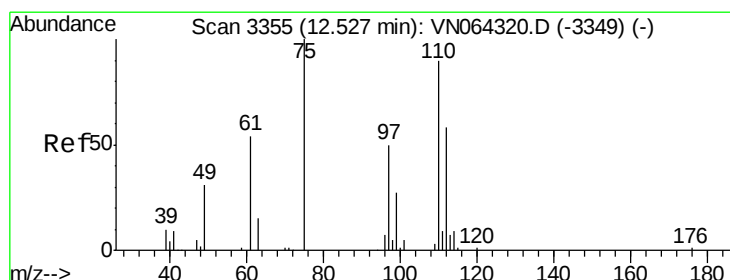
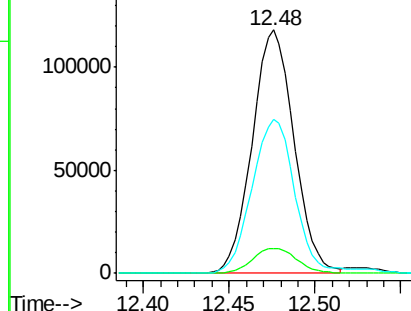
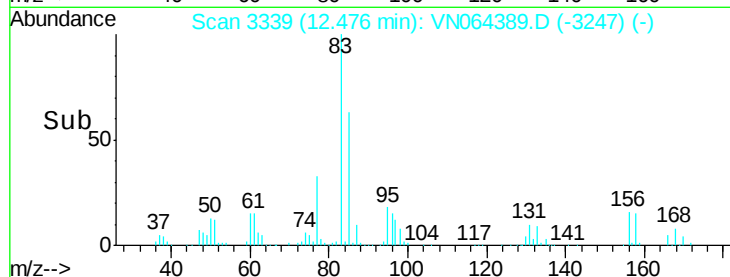


Abundance Ion 82.90 (82.60 to 83.60): VN064320.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064320.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064320.D (-3325) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 50.783 ug/l m

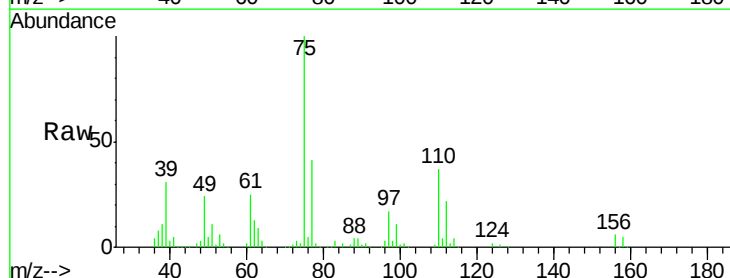
RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

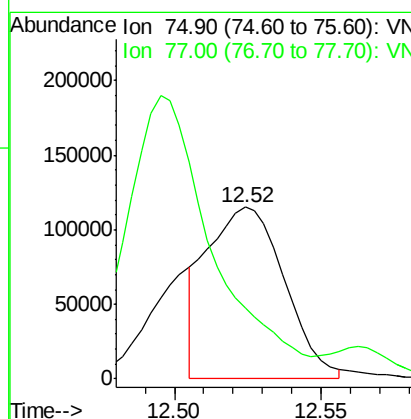
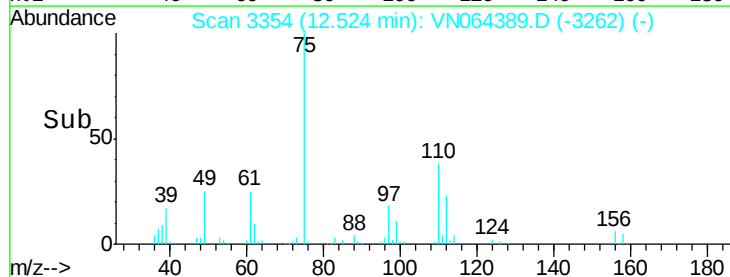
Tgt Ion:	75	Resp:	211920
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

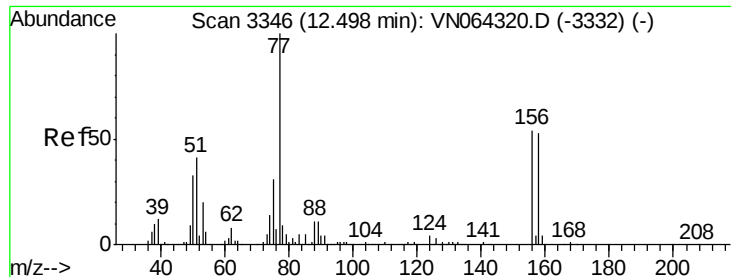


Abundance Ion 74.90 (74.60 to 75.60): VN064320.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064320.D (-3349) (-)

Time-->





#77

Bromobenzene

Concen: 54.789 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

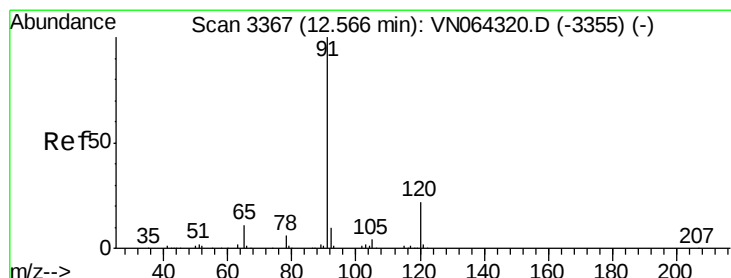
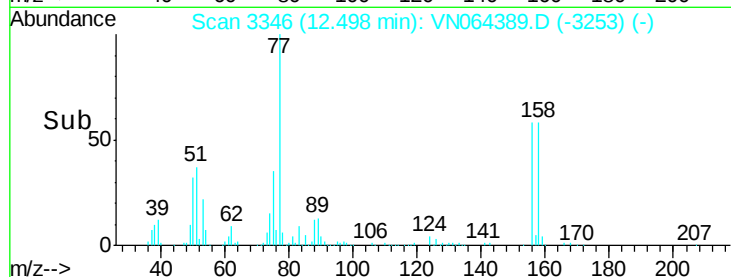
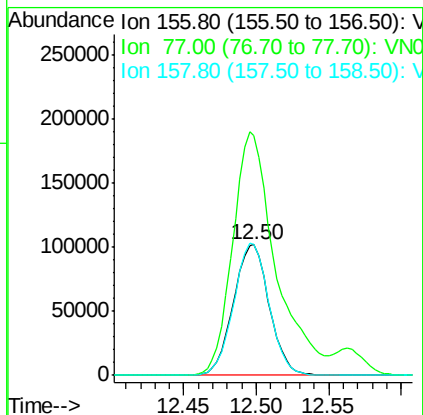
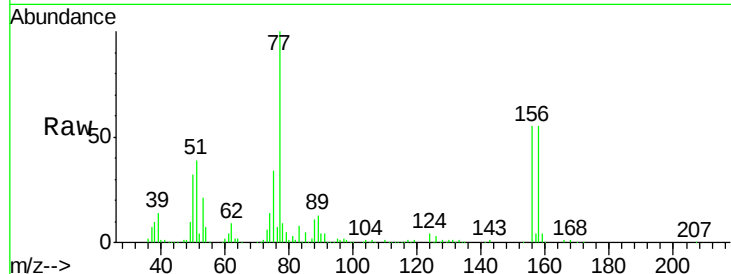
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.3	111.9	335.7
158	99.5	49.0	147.0

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#78

n-propylbenzene

Concen: 53.593 ug/l

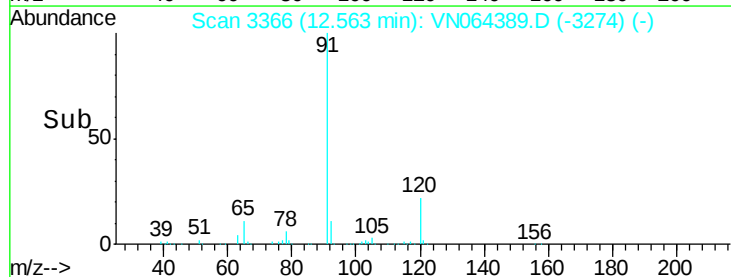
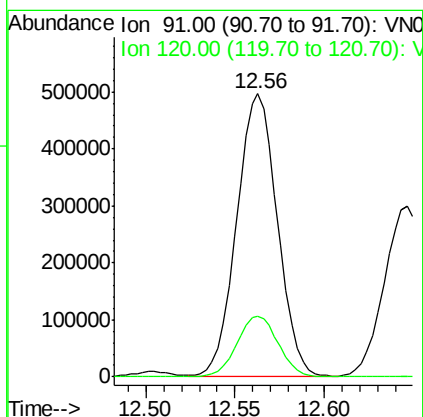
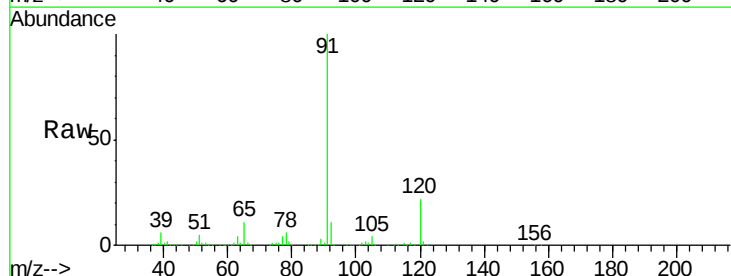
RT: 12.56 min Scan# 3366

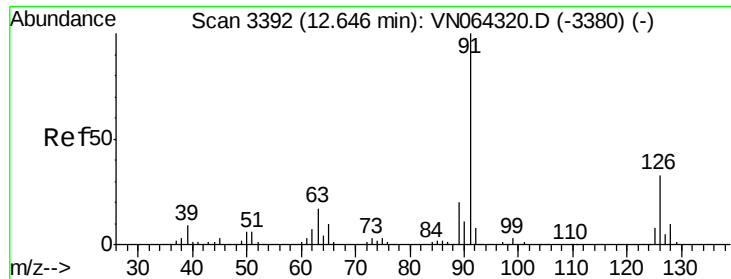
Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.5





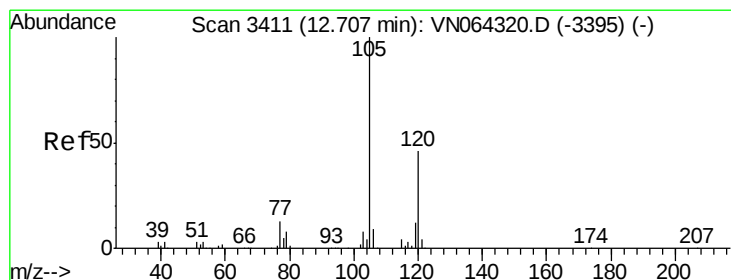
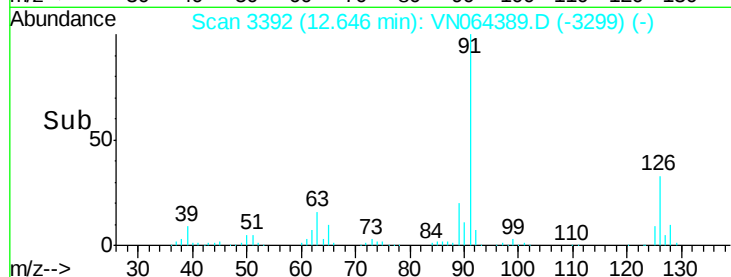
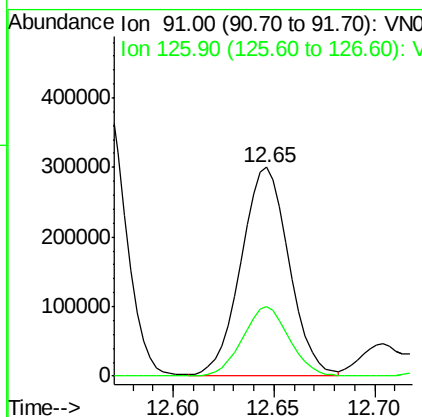
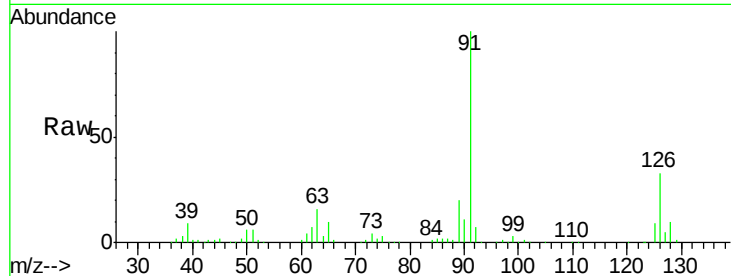
#79
 2-Chlorotoluene
 Concen: 52.943 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 500073
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.2 48.5

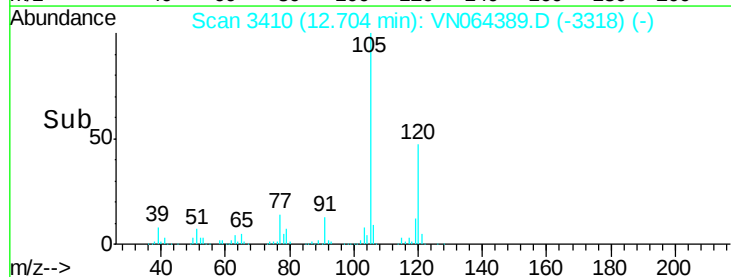
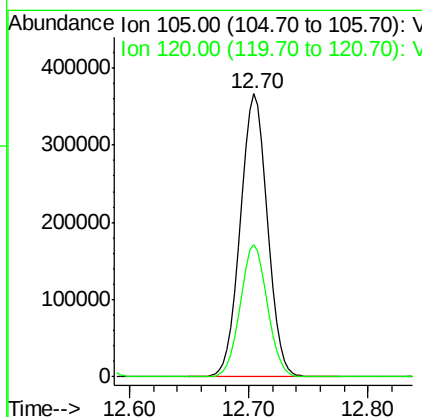
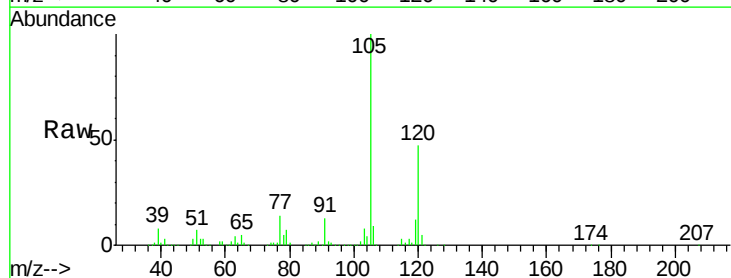
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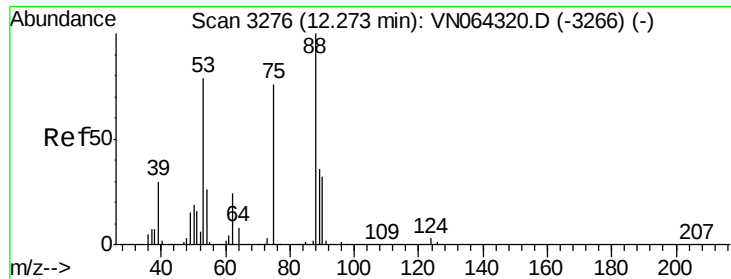
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.407 ug/l
 RT: 12.70 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion: 105 Resp: 578757
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 52.697 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

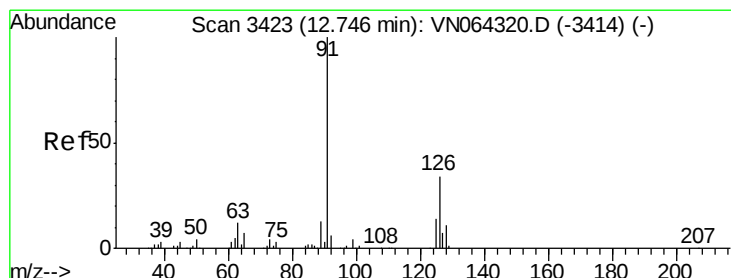
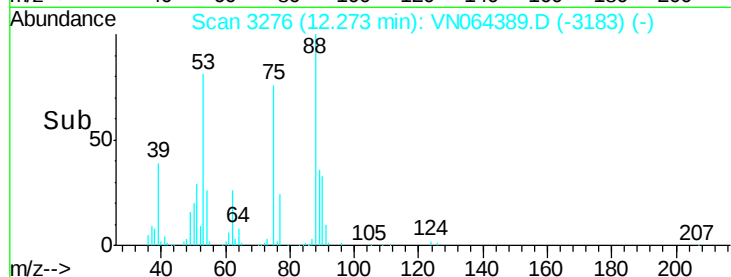
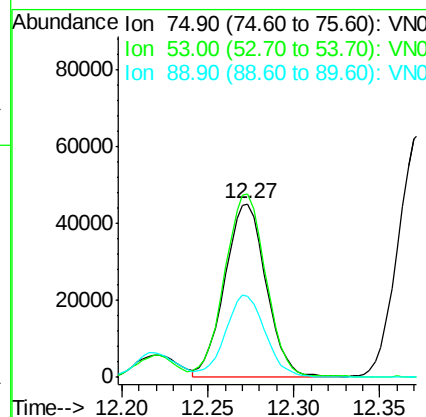
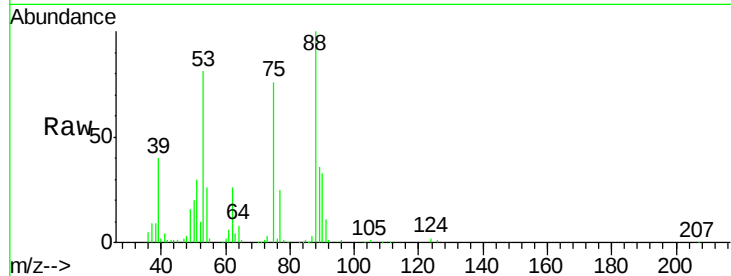
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	76343
Ion Ratio	Lower	Upper	
75	100		
53	105.8	81.8	122.8
89	45.8	39.9	59.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 55.433 ug/l

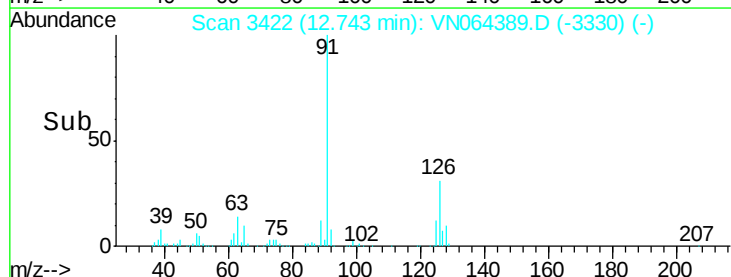
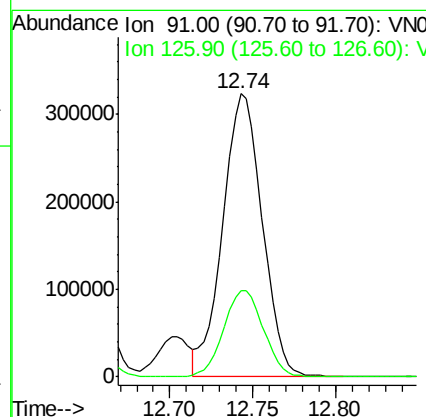
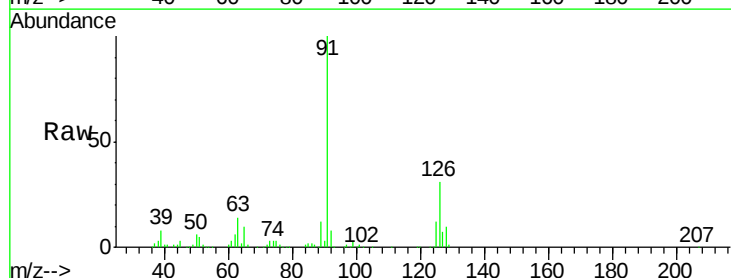
RT: 12.74 min Scan# 3422

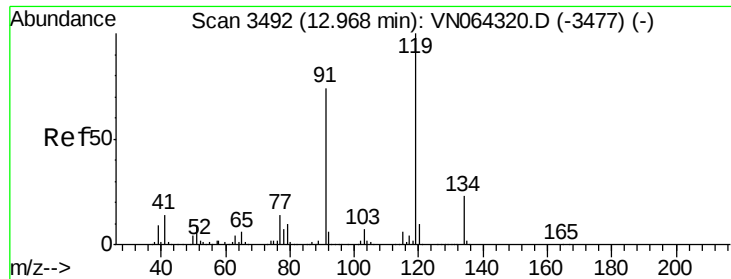
Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Tgt Ion:	91	Resp:	533399
Ion Ratio	Lower	Upper	
91	100		
126	30.8	15.8	47.3





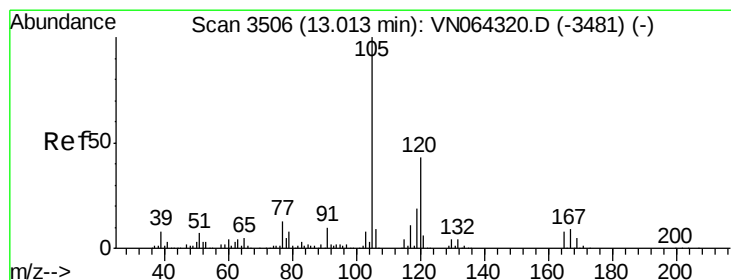
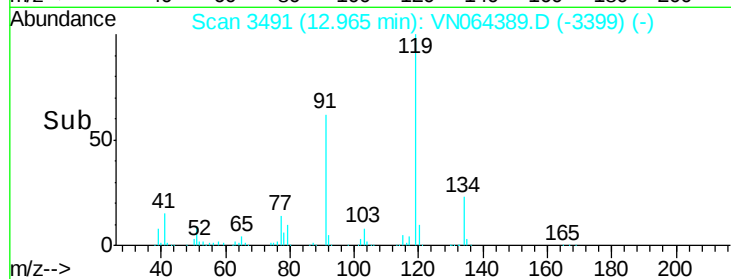
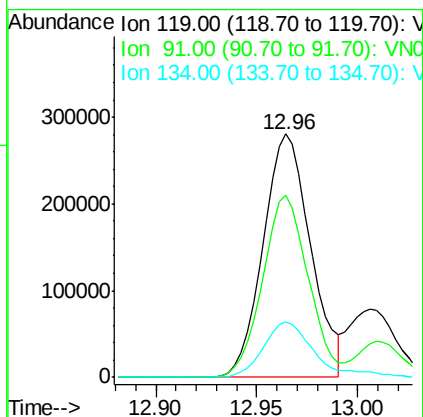
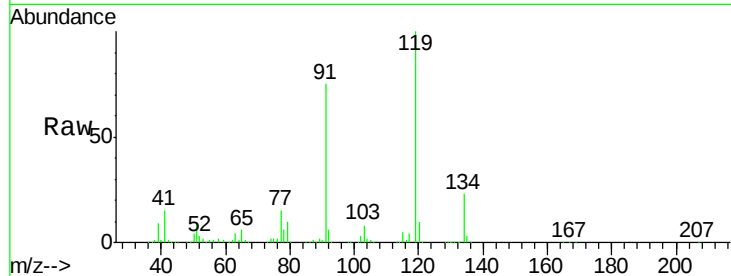
#83
 tert-Butylbenzene
 Concen: 50.699 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.3	36.4	109.1
134	24.4	12.0	36.1

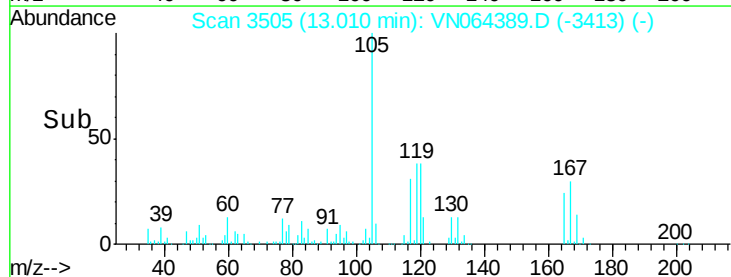
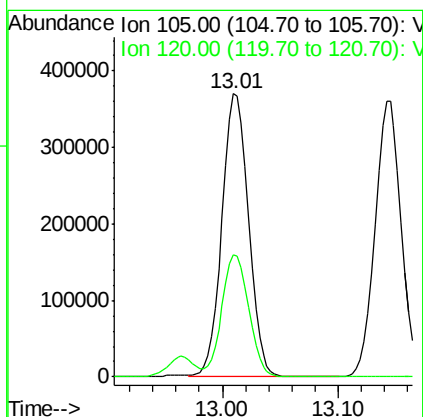
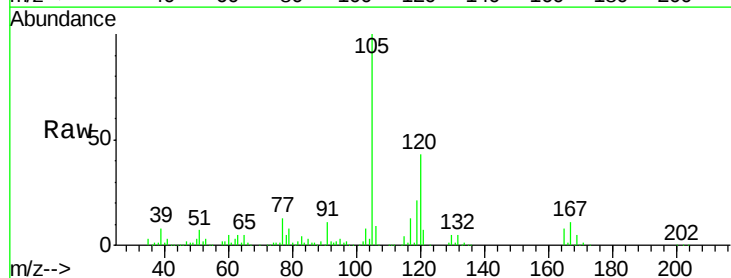
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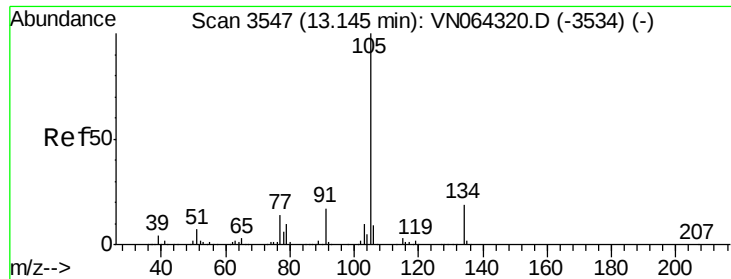
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.135 ug/l
 RT: 13.01 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.3	64.0





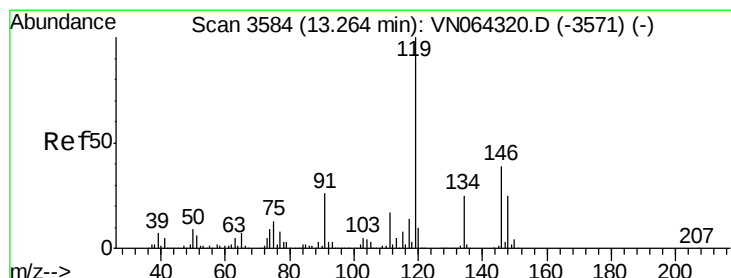
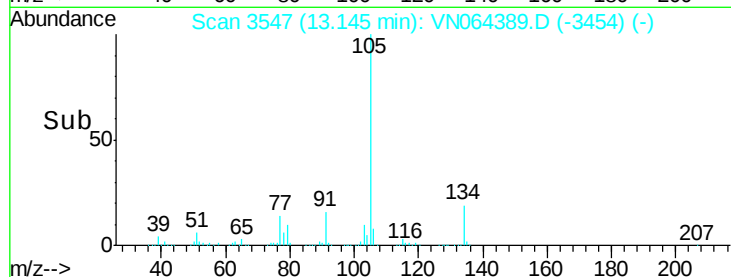
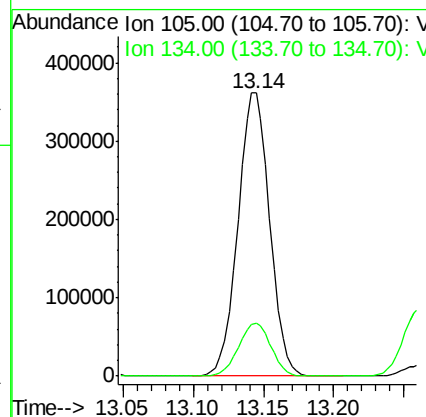
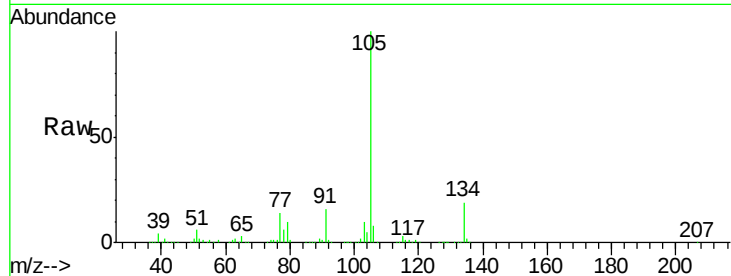
#85
 sec-Butylbenzene
 Concen: 48.328 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	566741		
134	19.3	9.6	28.8	

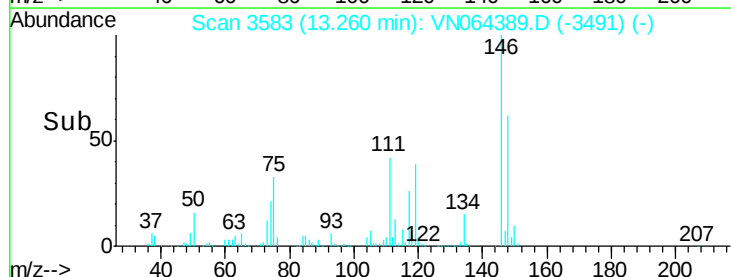
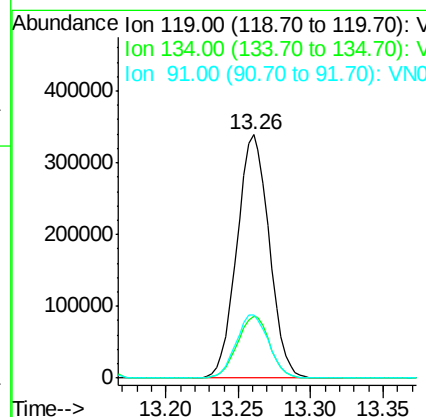
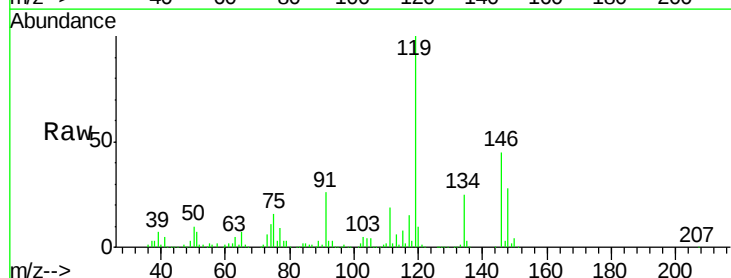
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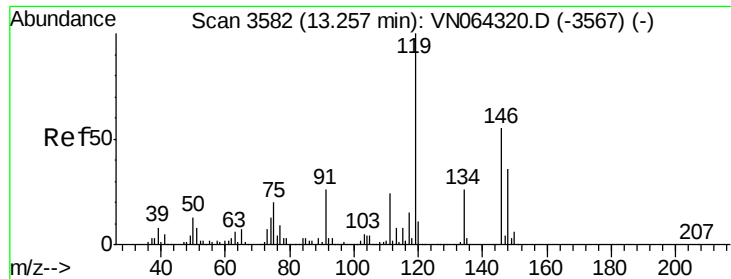
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#86
 p-Isopropyltoluene
 Concen: 49.612 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	524144		
134	25.8	12.8	38.4	
91	26.5	13.0	38.9	





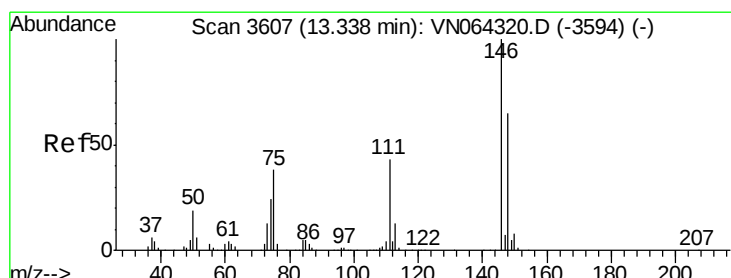
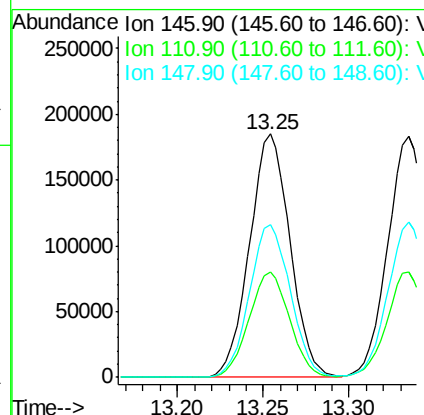
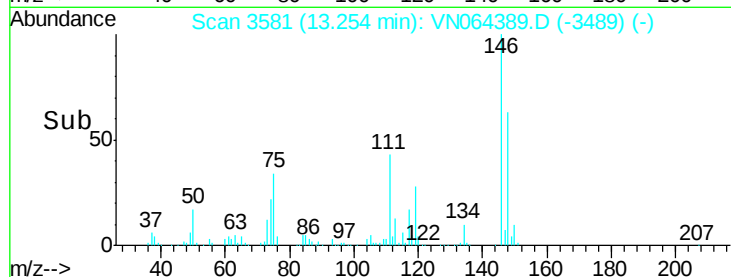
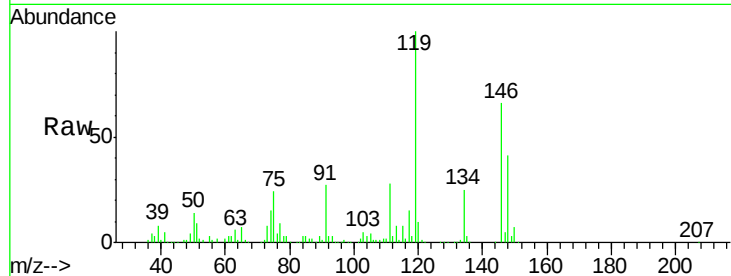
#87
 1,3-Dichlorobenzene
 Concen: 53.912 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.3	21.9	65.5	
148	63.5	32.6	98.0	

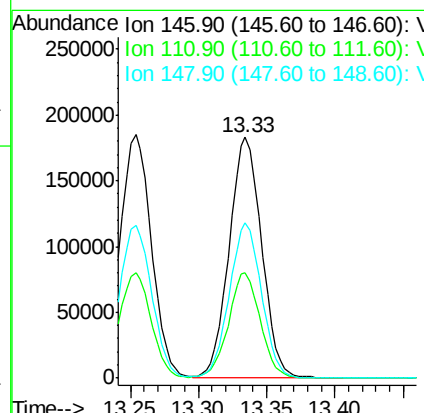
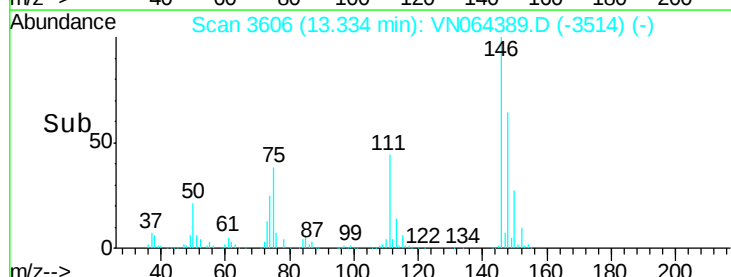
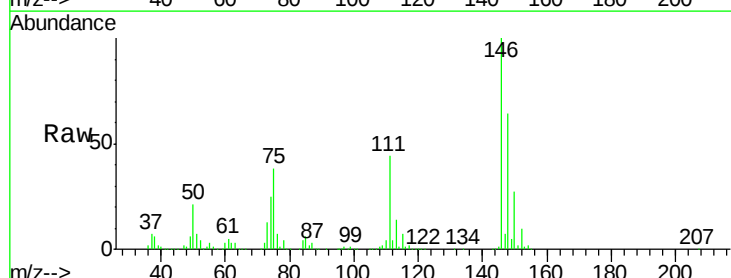
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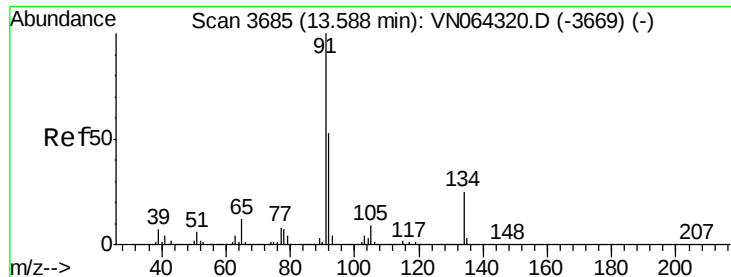
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#88
 1,4-Dichlorobenzene
 Concen: 53.101 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.7	21.8	65.4	
148	64.0	31.8	95.3	





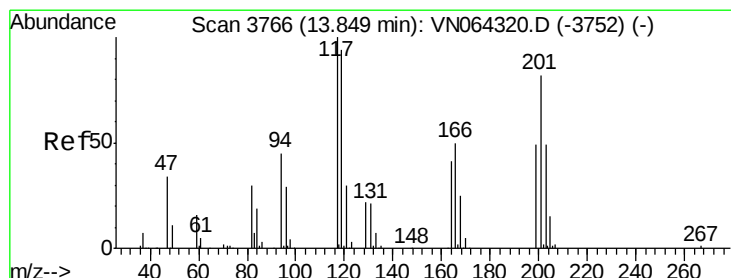
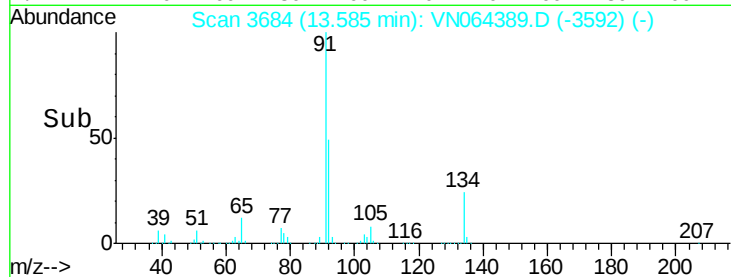
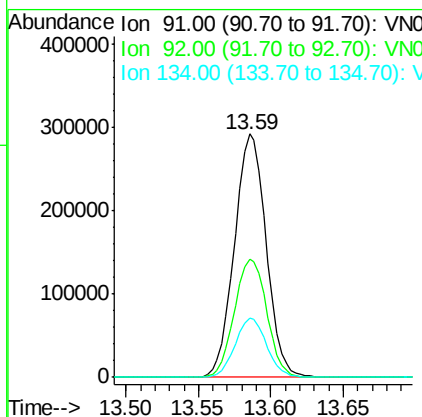
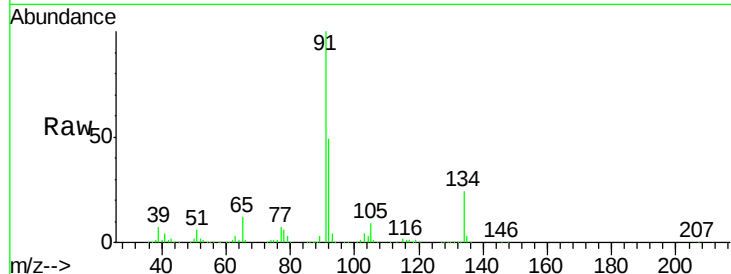
#89
n-Butylbenzene
Concen: 47.754 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.7	26.2	78.5
134	24.2	12.4	37.4

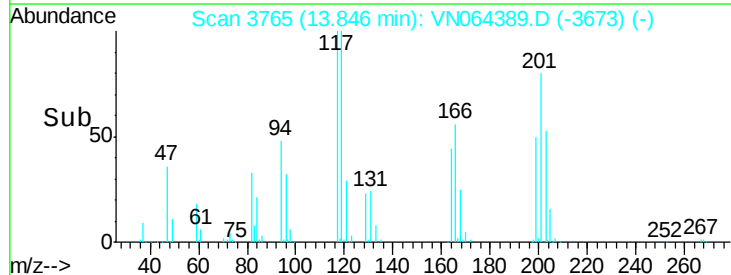
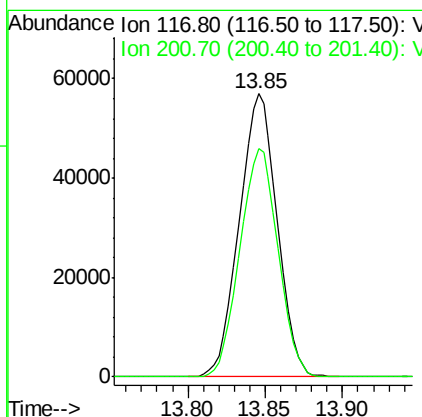
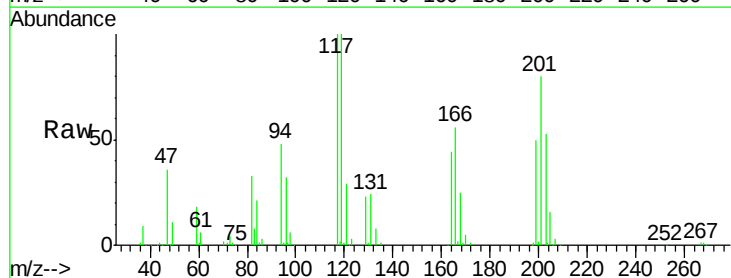
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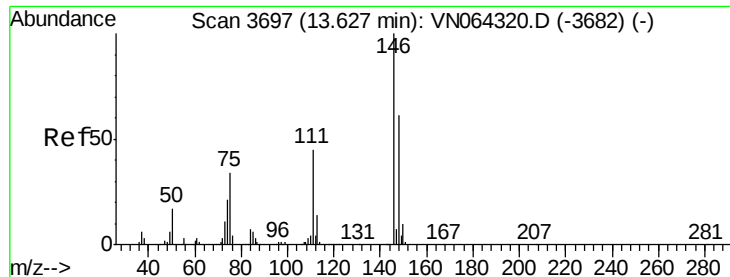
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#90
Hexachloroethane
Concen: 48.825 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064389.D
Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	39.8	119.3





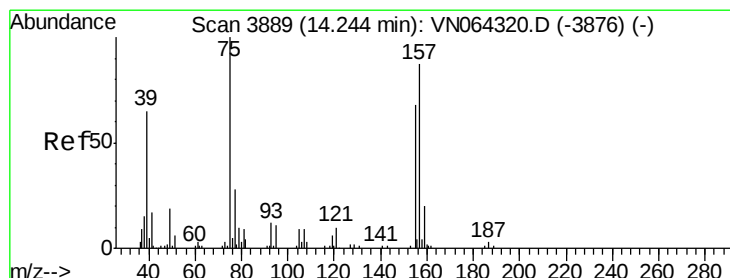
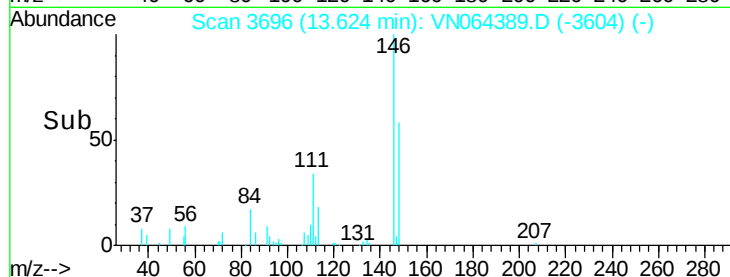
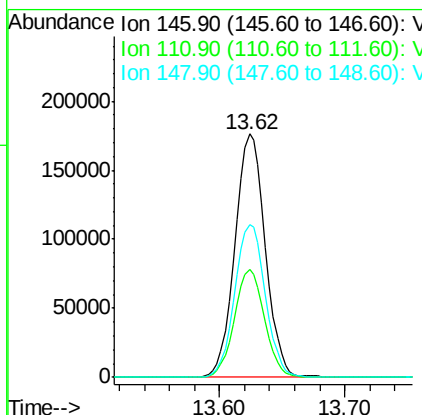
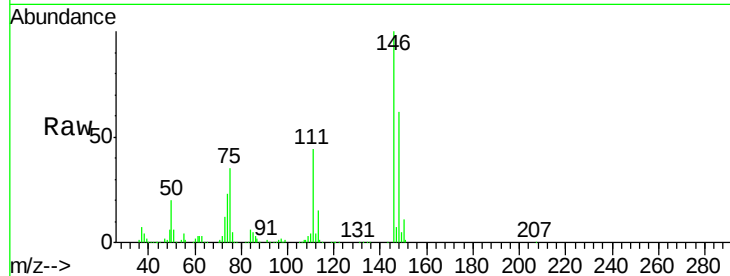
#91
 1,2-Dichlorobenzene
 Concen: 53.298 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	296466		
111	44.0	23.0	69.0	
148	63.3	32.1	96.3	

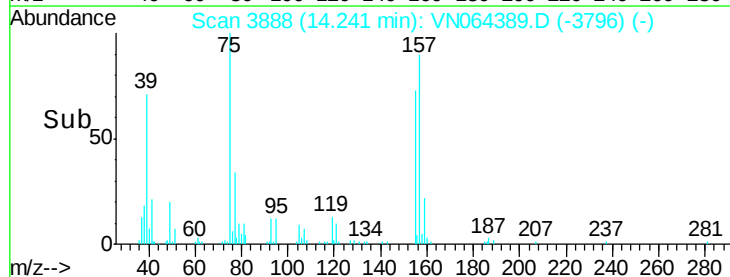
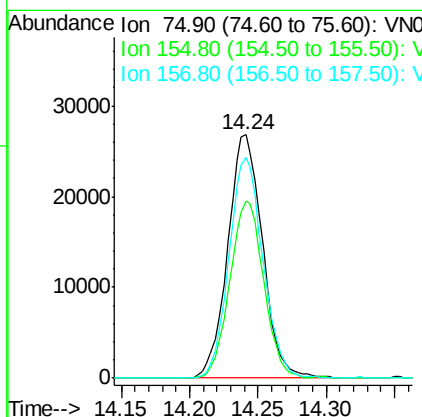
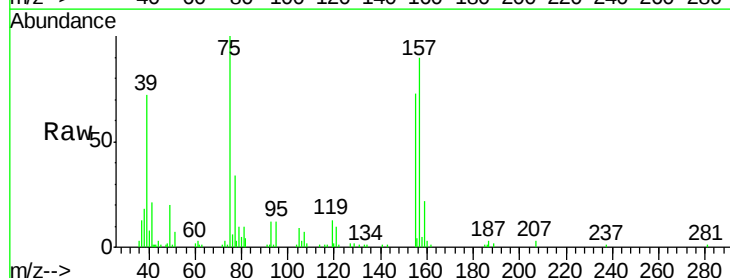
Manual Integrations
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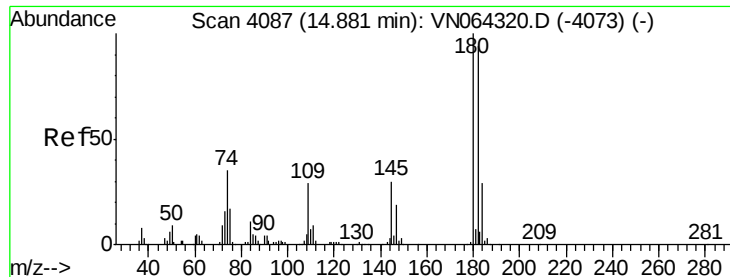
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.408 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	47451		
155	70.5	35.1	105.5	
157	88.4	43.2	129.6	





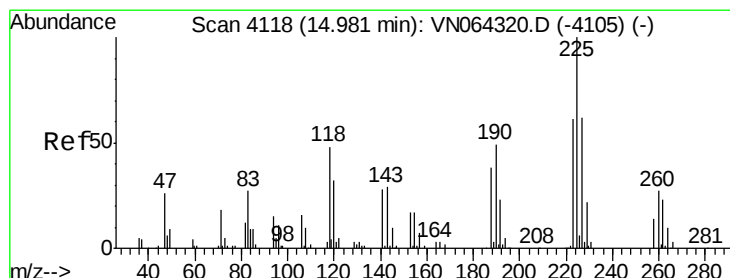
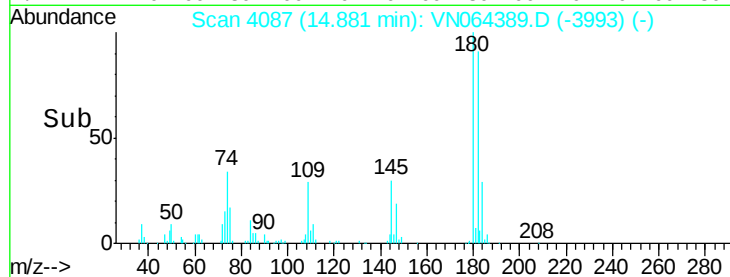
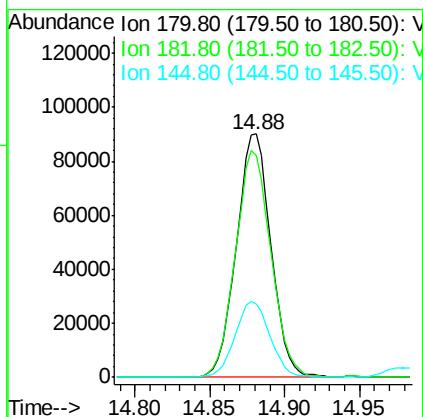
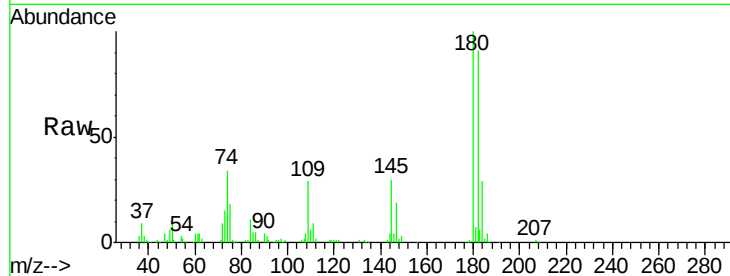
#93
 1,2,4-Trichlorobenzene
 Concen: 45.559 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145051		
182	95.6	46.6	139.7	
145	31.6	15.3	45.9	

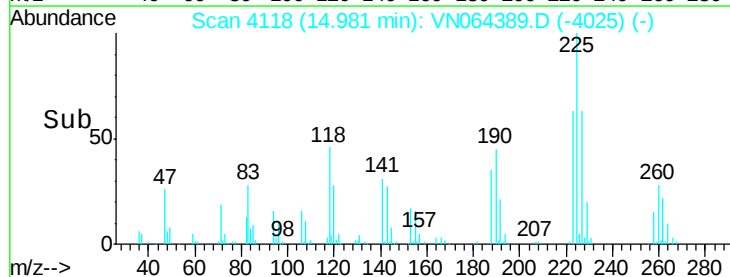
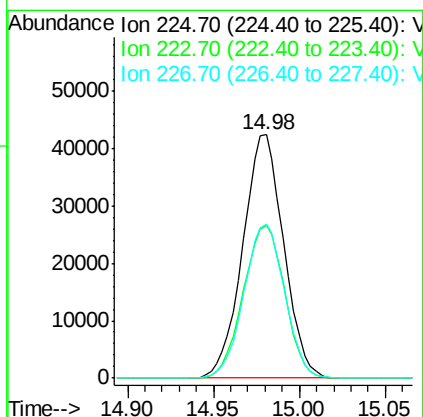
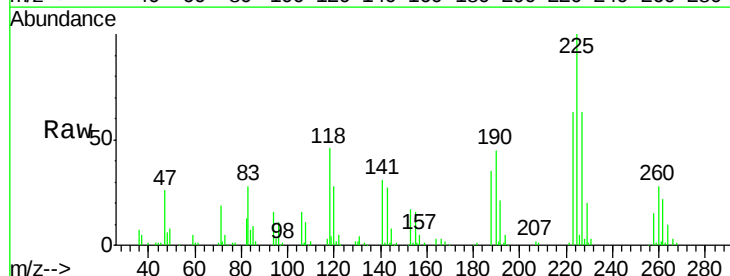
Manual Integrations
 APPROVED

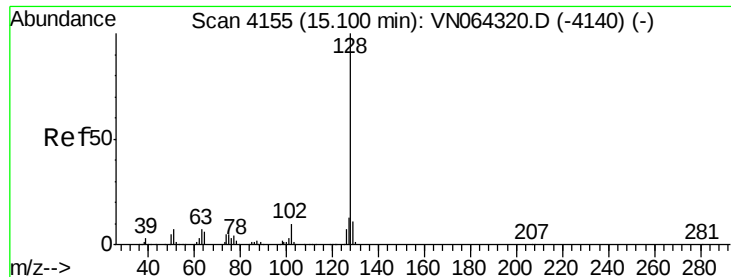
MMDadoda
 11/2/2020 4:11:31 PM



#94
 Hexachlorobutadiene
 Concen: 40.952 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064389.D
 Acq: 30 Oct 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69903		
223	63.2	31.3	93.8	
227	62.9	32.3	96.9	





#95

Naphthalene

Concen: 43.472 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Instrument :

MSVOA_N

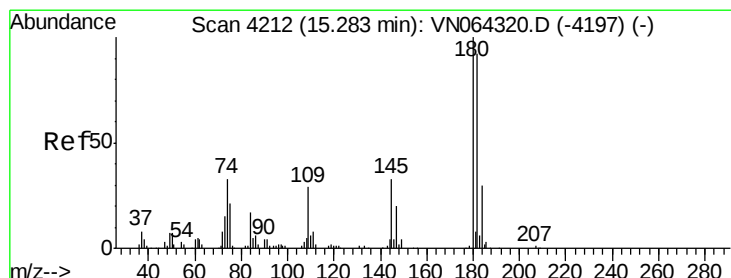
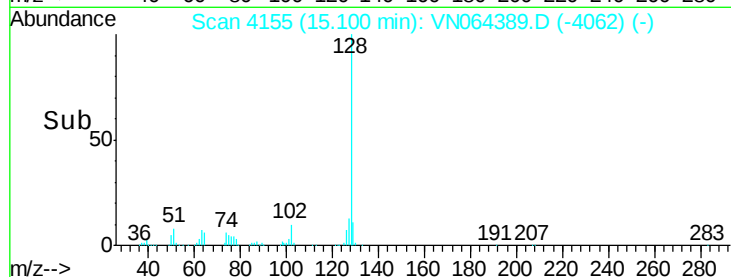
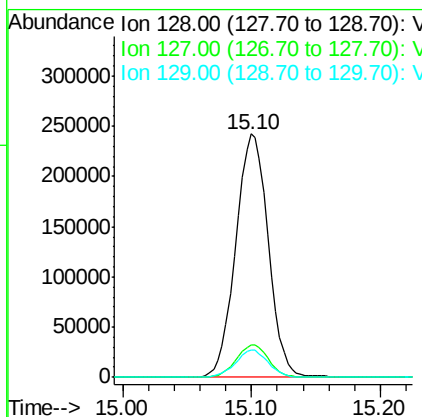
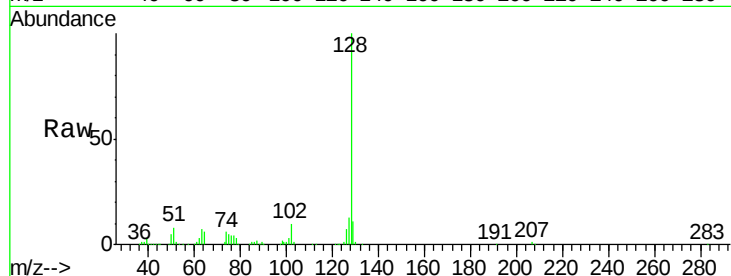
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	425018
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.3	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 43.978 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064389.D

Acq: 30 Oct 2020 10:30

Tgt Ion:	180	Resp:	134673
Ion Ratio	Lower	Upper	
180	100		
182	98.6	46.1	138.3
145	32.8	16.2	48.5

