

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064329.D
 Acq On : 27 Oct 2020 16:28
 Operator : JC/MD
 Sample : VN1027WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:36:09 PM

Quant Time: Oct 28 04:38:38 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	247433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	400676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	366158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169282	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	194263	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	7.55	113	135289	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.06	98	475493	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.38	95	186266	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	52302	18.389	ug/l	96
3) Chloromethane	2.04	50	56058	18.233	ug/l	95
4) Vinyl Chloride	2.16	62	54681	18.387	ug/l	98
5) Bromomethane	2.53	94	37404	19.465	ug/l	93
6) Chloroethane	2.67	64	33542	18.875	ug/l	91
7) Trichlorofluoromethane	2.98	101	95767	19.222	ug/l	98
8) Diethyl Ether	3.37	74	28767	18.252	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	46674	18.639	ug/l	97
10) Methyl Iodide	3.91	142	58047	17.371	ug/l	100
11) Tert butyl alcohol	4.74	59	49372	85.536	ug/l	97
12) 1,1-Dichloroethene	3.69	96	44247	18.718	ug/l	93
13) Acrolein	3.57	56	12263	108.657	ug/l	87
14) Allyl chloride	4.28	41	89043	18.447	ug/l	93
15) Acrylonitrile	4.93	53	116876	94.158	ug/l	99
16) Acetone	3.78	43	116440	80.928	ug/l	98
17) Carbon Disulfide	4.01	76	123156	17.609	ug/l	96
18) Methyl Acetate	4.28	43	53573	17.936	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	167774	18.472	ug/l	98
20) Methylene Chloride	4.51	84	51964m	18.427	ug/l	
21) trans-1,2-Dichloroethene	4.99	96	49145	18.636	ug/l #	88
22) Diisopropyl ether	5.90	45	179079	18.981	ug/l	94
23) Vinyl Acetate	5.84	43	758830	95.068	ug/l	98
24) 1,1-Dichloroethane	5.80	63	99253	18.800	ug/l	97
25) 2-Butanone	6.79	43	170014	85.158	ug/l	98
26) 2,2-Dichloropropane	6.78	77	93377	18.072	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	56284	18.650	ug/l	98
28) Bromochloromethane	7.15	49	43911	17.457	ug/l	96
29) Tetrahydrofuran	7.16	42	115637	89.220	ug/l	99
30) Chloroform	7.33	83	104772	18.593	ug/l	99
31) Cyclohexane	7.61	56	87508	18.963	ug/l #	95
32) 1,1,1-Trichloroethane	7.53	97	99264	18.344	ug/l	98
36) 1,1-Dichloropropene	7.75	75	75908	18.772	ug/l	98
37) Ethyl Acetate	6.88	43	69180	16.937	ug/l	98
38) Carbon Tetrachloride	7.74	117	91637	19.547	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	74802	18.656	ug/l	96
40) Benzene	8.00	78	211606	18.800	ug/l	99
41) Methacrylonitrile	7.14	41	38968m	19.219	ug/l	
42) 1,2-Dichloroethane	8.09	62	93615	19.253	ug/l	100
43) Isopropyl Acetate	8.13	43	130230	18.651	ug/l #	93
44) Trichloroethene	8.80	130	57888	19.632	ug/l	95
45) 1,2-Dichloropropane	9.09	63	56587	18.774	ug/l	98
46) Dibromomethane	9.17	93	40796	19.347	ug/l	98
47) Bromodichloromethane	9.37	83	85754	18.351	ug/l	98
48) Methyl methacrylate	9.16	41	64615	17.937	ug/l	98
49) 1,4-Dioxane	9.17	88	18933	356.572	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	370018	91.167	ug/l	100
52) Toluene	10.12	92	132196	18.612	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	91443	18.507	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	98997	19.463	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	52936	18.881	ug/l	98
56) Ethyl methacrylate	10.40	69	80076	18.868	ug/l	97
57) 1,3-Dichloropropane	10.68	76	91493	19.130	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	192683	83.198	ug/l	99
59) 2-Hexanone	10.72	43	269761	90.245	ug/l	98
60) Dibromochloromethane	10.87	129	62921	18.981	ug/l	99
61) 1,2-Dibromoethane	10.97	107	56588	19.809	ug/l	100
64) Tetrachloroethene	10.60	164	56550	18.791	ug/l	97
65) Chlorobenzene	11.41	112	142572	19.206	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	55852	18.615	ug/l	94
67) Ethyl Benzene	11.48	91	264658	19.177	ug/l	98
68) m/p-Xylenes	11.59	106	191967	37.534	ug/l	98
69) o-Xylene	11.92	106	91450	18.560	ug/l	96
70) Styrene	11.94	104	153636	19.017	ug/l	99
71) Bromoform	12.10	173	41804	17.752	ug/l #	97
73) Isopropylbenzene	12.22	105	244403	19.277	ug/l	99
74) N-amyl acetate	12.05	43	104418	18.711	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	70514	19.133	ug/l	95
76) 1,2,3-Trichloropropane	12.52	75	75948m	18.735	ug/l	
77) Bromobenzene	12.50	156	59637	19.209	ug/l	99
78) n-propylbenzene	12.57	91	276176	19.240	ug/l	99
79) 2-Chlorotoluene	12.65	91	176439	19.229	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	210629	19.633	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	25548	18.154	ug/l	92
82) 4-Chlorotoluene	12.75	91	183834	19.666	ug/l	99
83) tert-Butylbenzene	12.97	119	170601	19.379	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	204710	19.097	ug/l	100
85) sec-Butylbenzene	13.14	105	218357	19.167	ug/l	99
86) p-Isopropyltoluene	13.26	119	198224	19.314	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	103359	19.017	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	100727	18.196	ug/l	99
89) n-Butylbenzene	13.59	91	166303	18.394	ug/l	99
90) Hexachloroethane	13.85	117	34598	17.950	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	100576	18.613	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17455	19.088	ug/l	98

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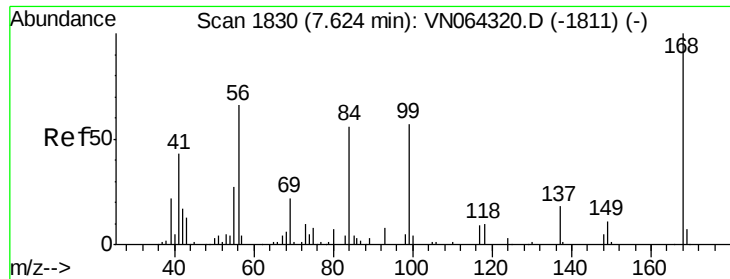
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	54472	18.850	ug/l	98
94) Hexachlorobutadiene	14.98	225	30533	18.413	ug/l	99
95) Naphthalene	15.10	128	156120	17.926	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	50171	18.211	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion:168 Resp: 247433

Ion Ratio Lower Upper

168 100

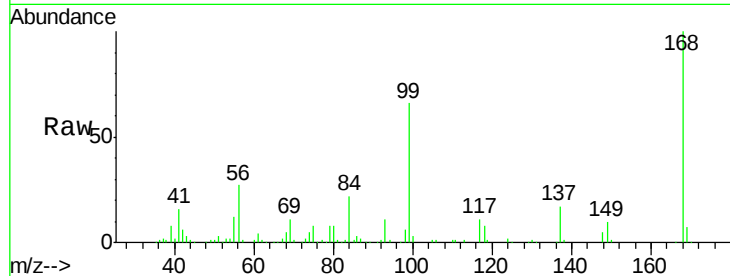
99 65.8 52.7 79.1

Manual Integrations

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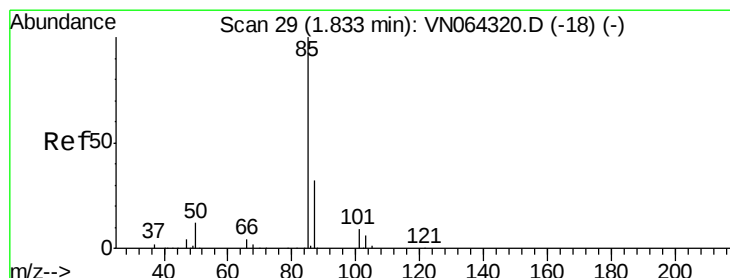
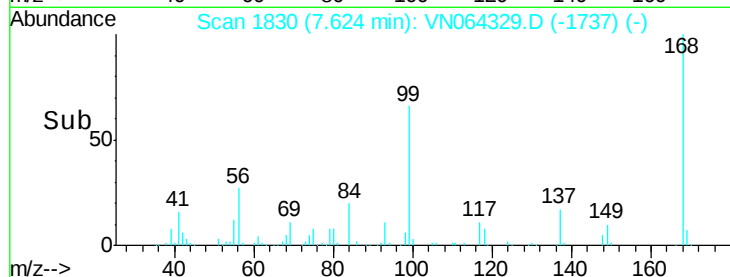
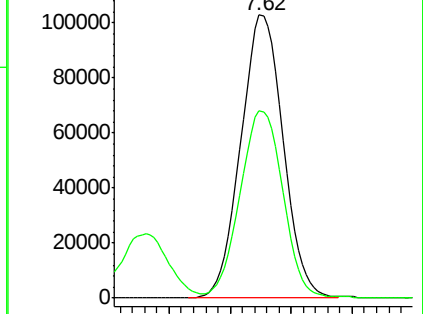
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.389 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064329.D

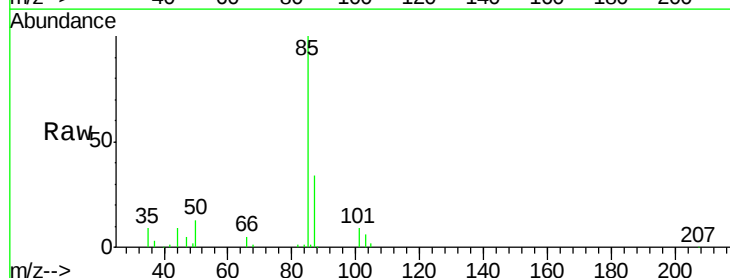
Acq: 27 Oct 2020 16:28

Tgt Ion: 85 Resp: 52302

Ion Ratio Lower Upper

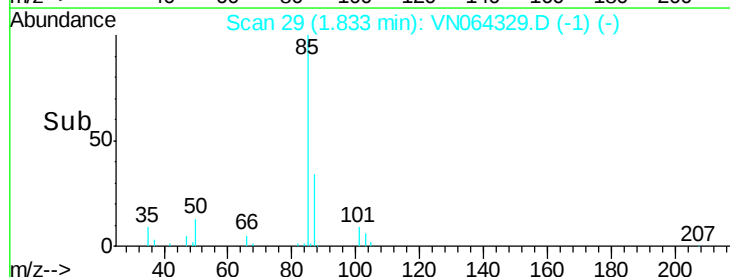
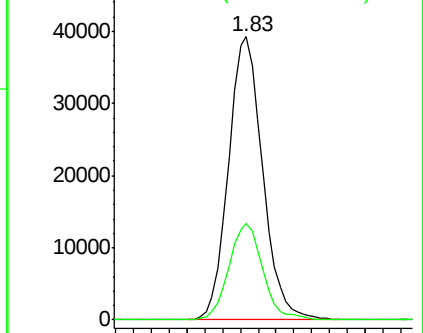
85 100

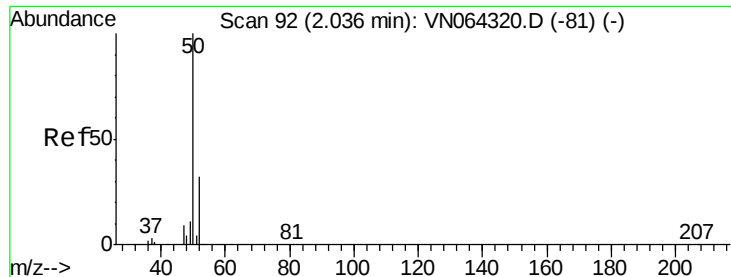
87 34.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.233 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion: 50 Resp: 56058

Ion Ratio Lower Upper

50 100

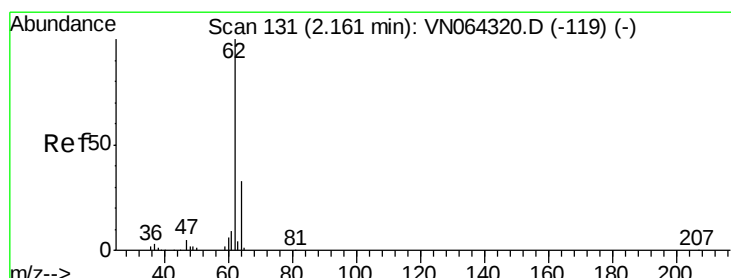
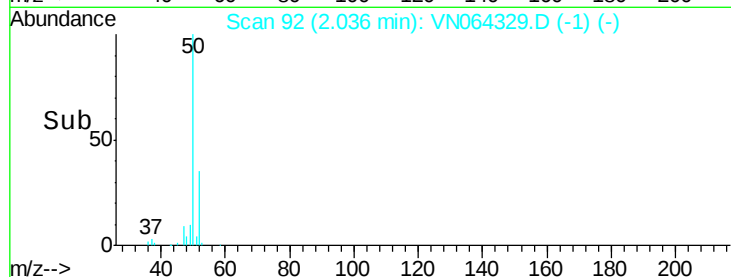
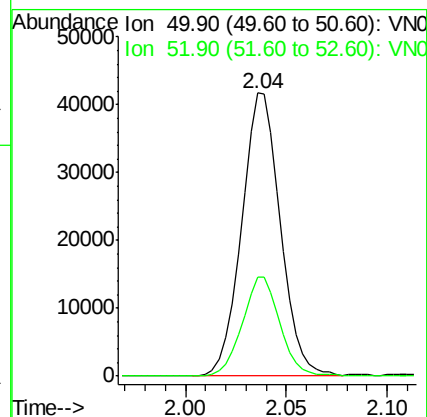
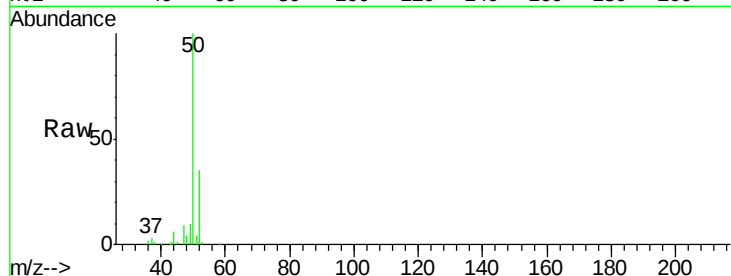
52 34.9 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.387 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064329.D

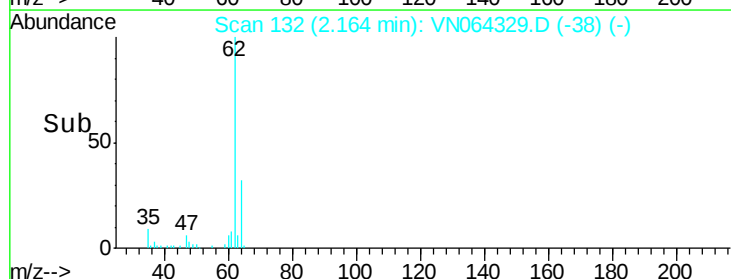
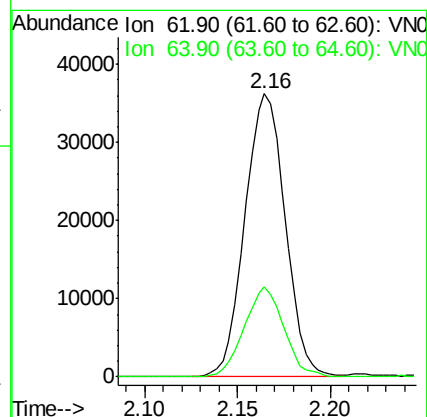
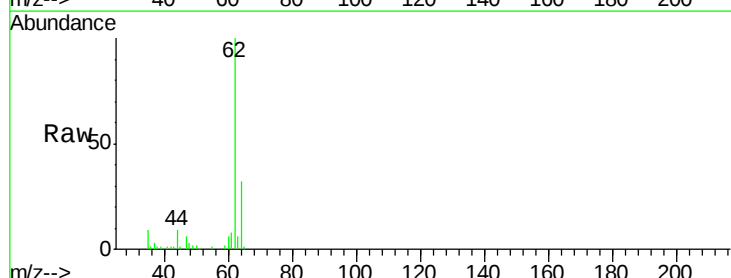
Acq: 27 Oct 2020 16:28

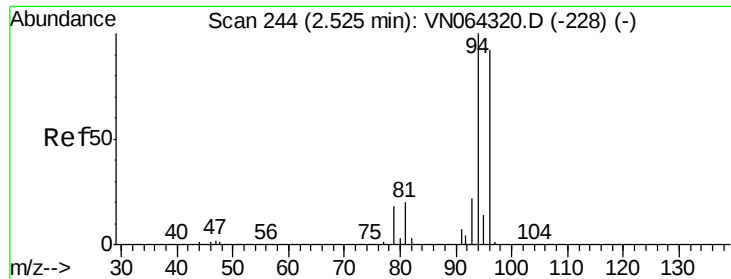
Tgt Ion: 62 Resp: 54681

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.4





#5

Bromomethane

Concen: 19.465 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion: 94 Resp: 37404

Ion Ratio Lower Upper

94 100

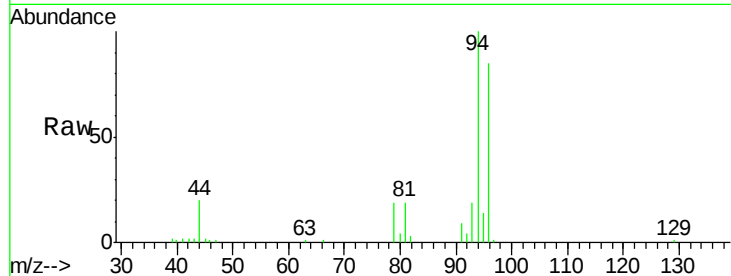
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Manual Integrations

APPROVED

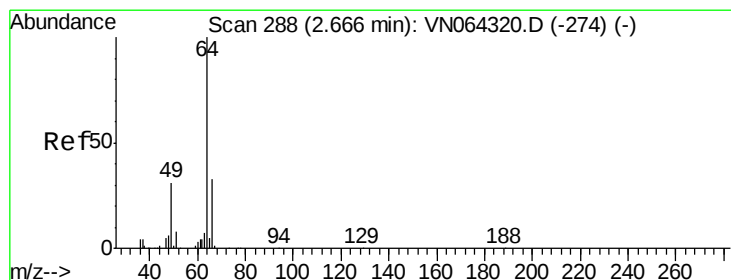
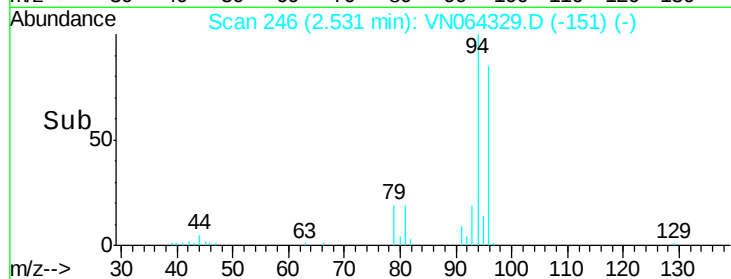
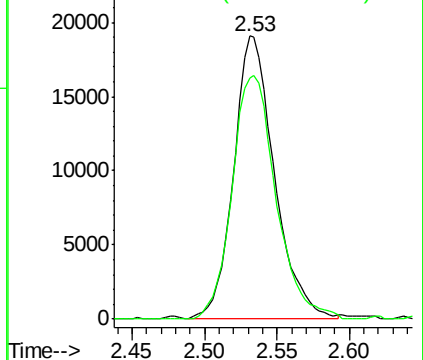
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.875 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064329.D

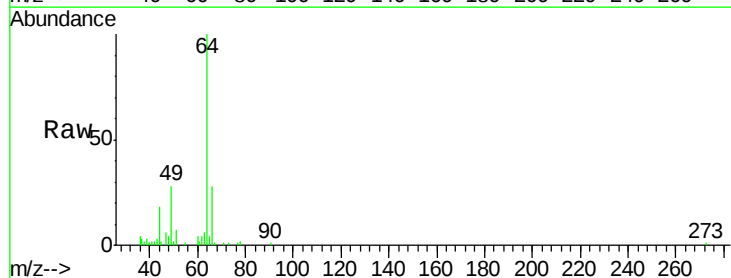
Acq: 27 Oct 2020 16:28

Tgt Ion: 64 Resp: 33542

Ion Ratio Lower Upper

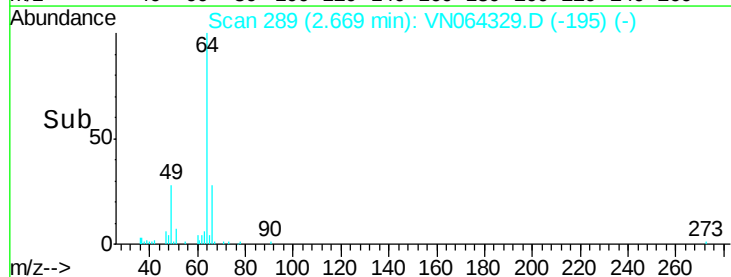
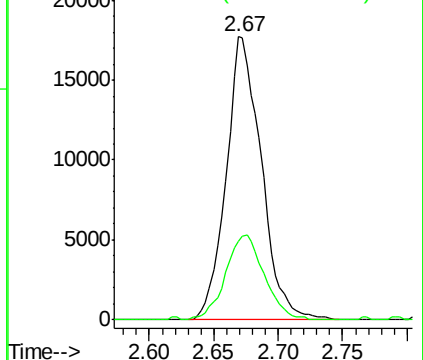
64 100

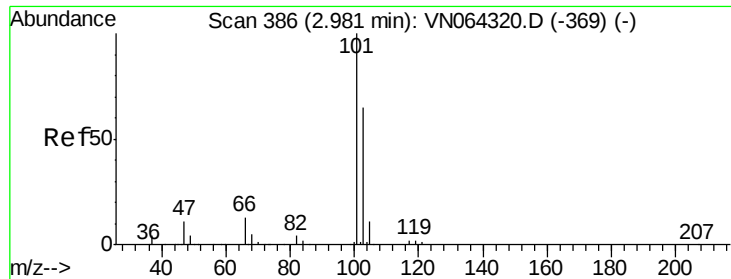
66 27.9 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

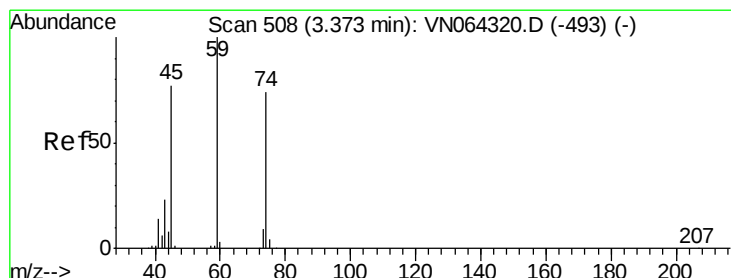
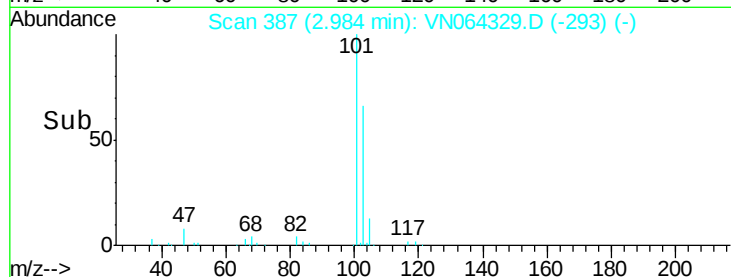
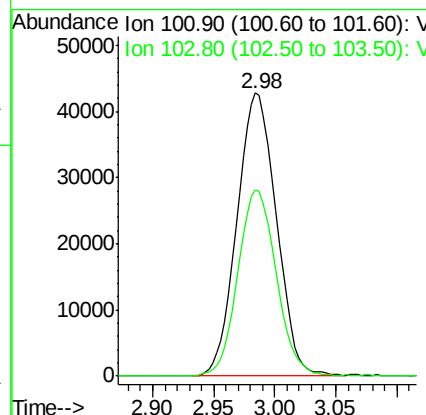
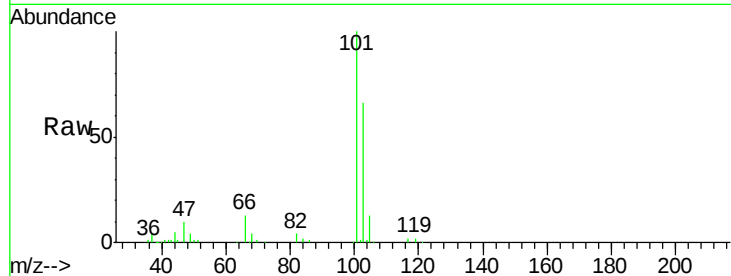
Trichlorofluoromethane
Concen: 19.222 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.7	77.5

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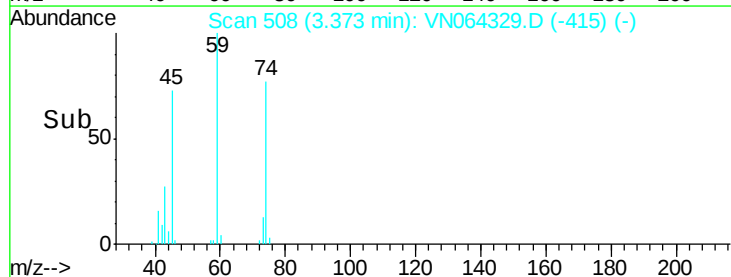
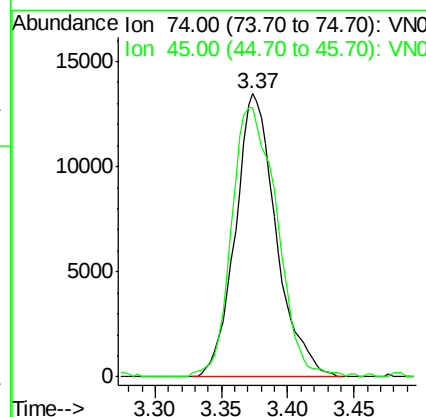
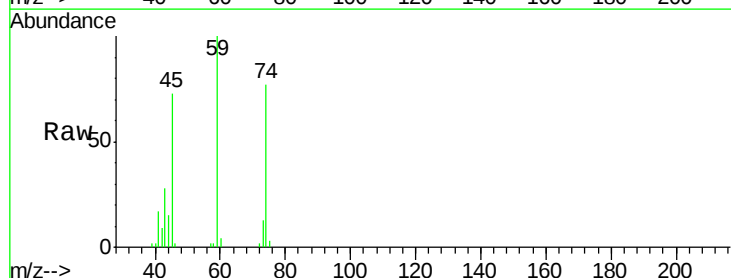
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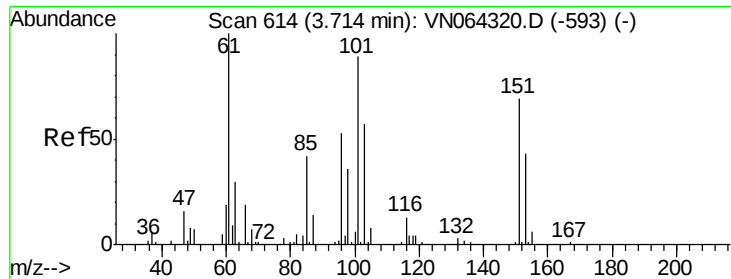


#8

Diethyl Ether
Concen: 18.252 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.6	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.639 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

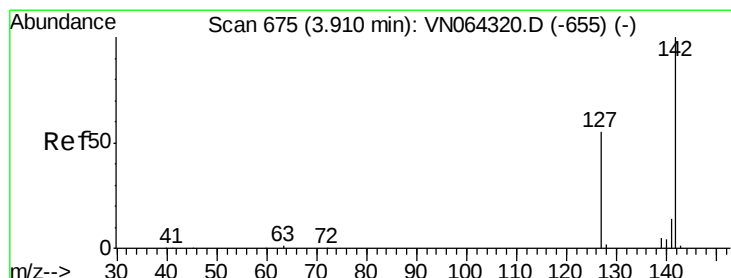
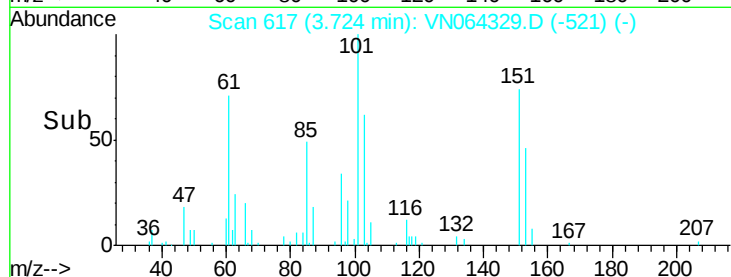
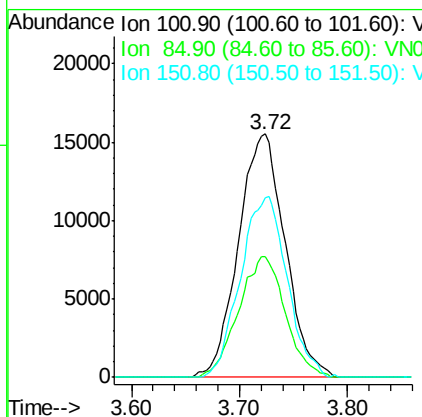
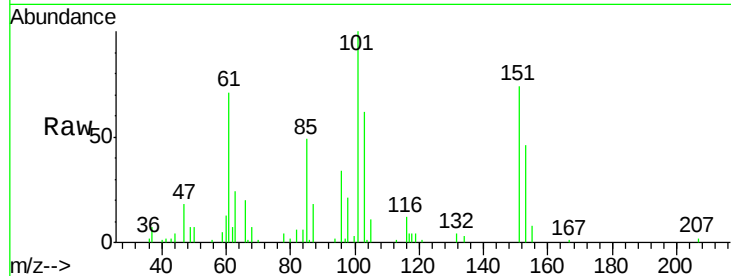
ClientSampleId :

VN1027WBS01

Tot Ion:	101	Resp:	46674
Ion Ratio	Lower	Upper	
101	100		
85	49.6	38.4	57.6
151	73.9	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.371 ug/l

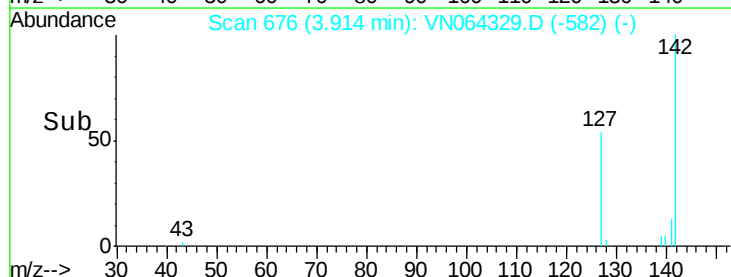
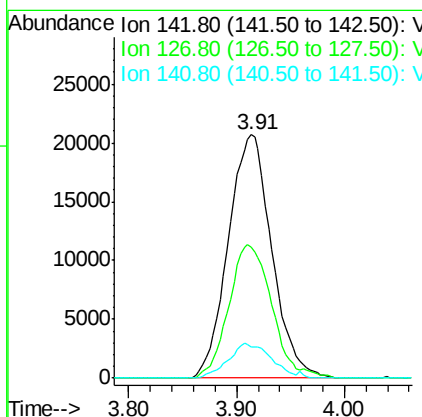
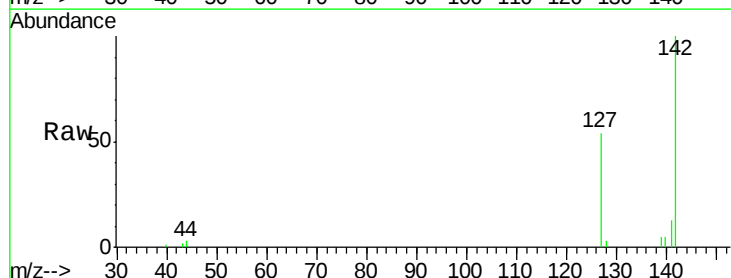
RT: 3.91 min Scan# 676

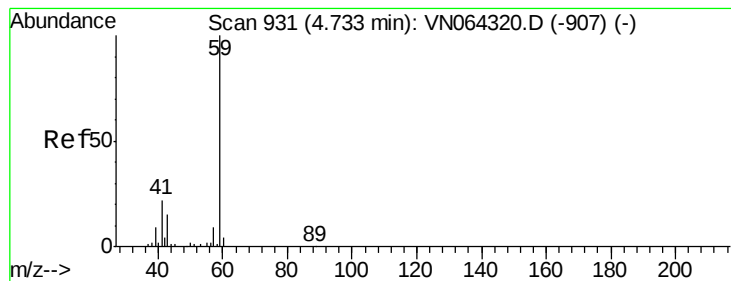
Delta R.T. 0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Tgt Ion:	142	Resp:	58047
Ion Ratio	Lower	Upper	
142	100		
127	54.1	43.3	64.9
141	13.9	11.5	17.3





#11

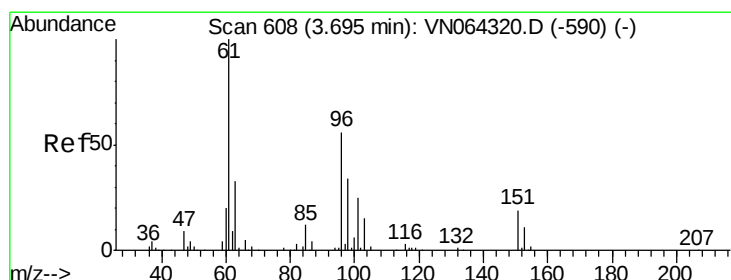
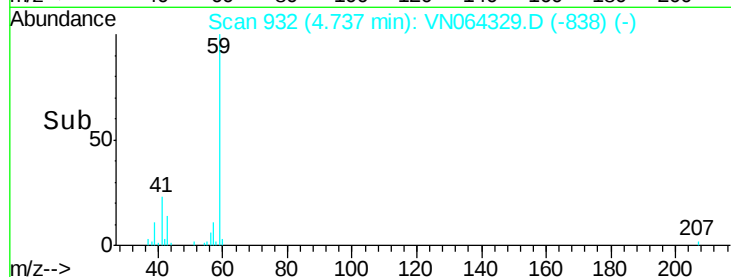
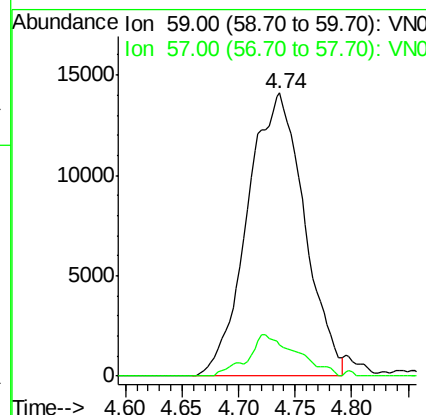
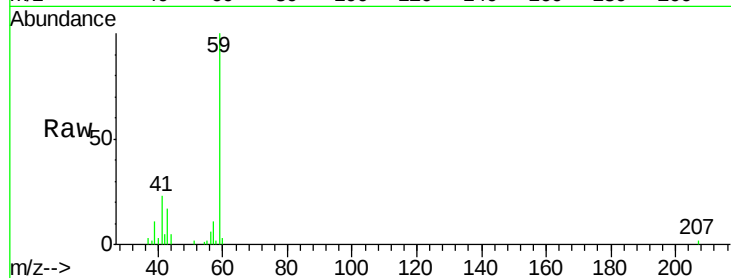
Tert butyl alcohol
Concen: 85.536 ug/l
RT: 4.74 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	49372		
57	57	12.7		9.4	14.0

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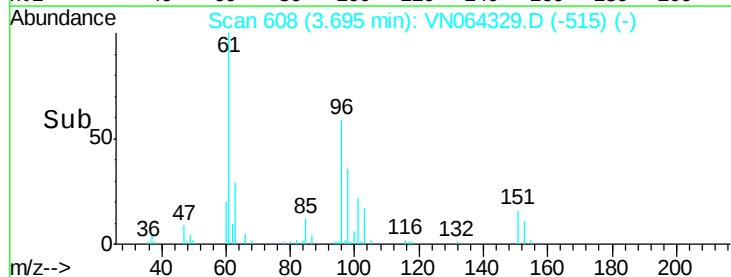
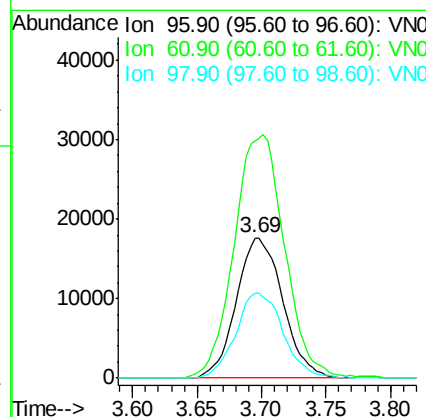
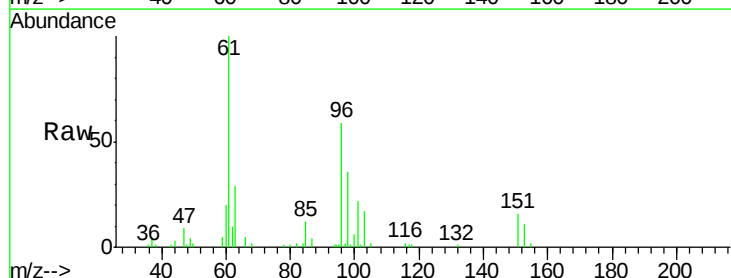
MMDadoda
10/28/2020 12:36:09 PM

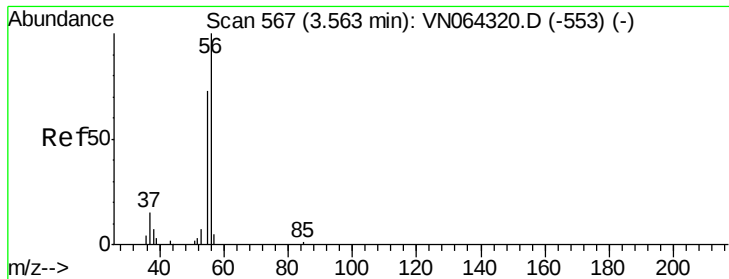


#12

1,1-Dichloroethene
Concen: 18.718 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	44247		
61	61	167.0		143.6	215.4
98	98	60.1		48.6	73.0





#13

Acrolein

Concen: 108.657 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.01 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion: 56 Resp: 12263

Ion Ratio Lower Upper

56 100

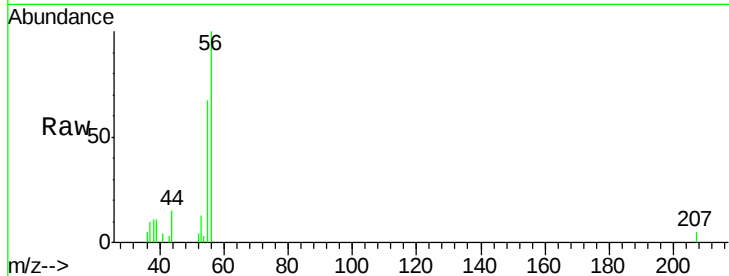
55 67.2 62.6 94.0

Manual Integrations

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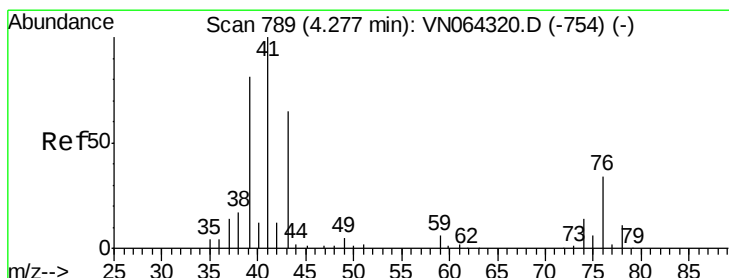
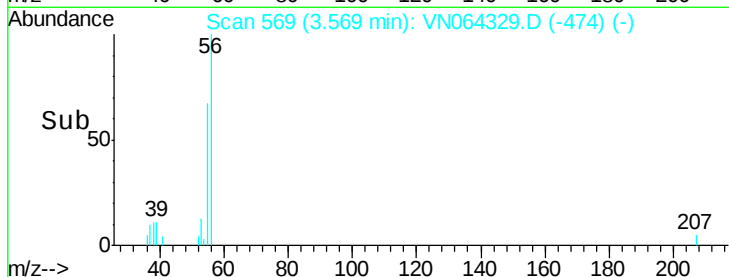
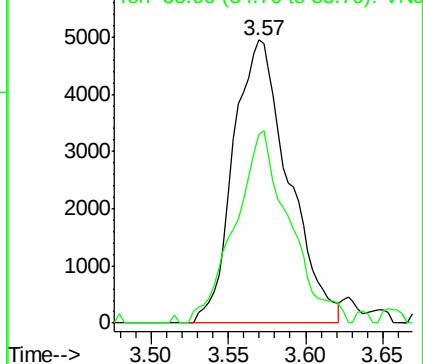
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.447 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

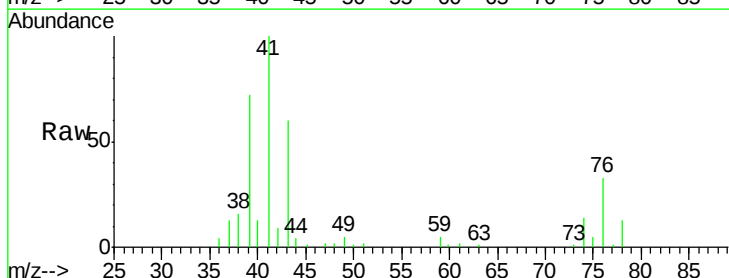
Tgt Ion: 41 Resp: 89043

Ion Ratio Lower Upper

41 100

39 70.1 61.7 92.5

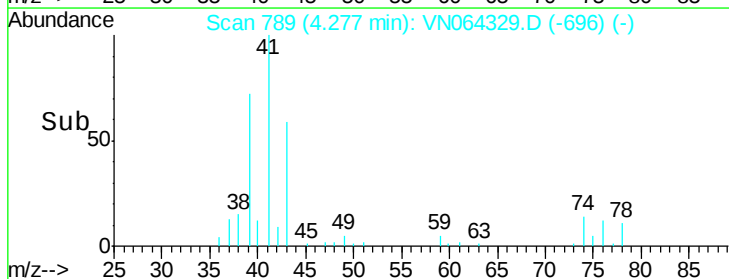
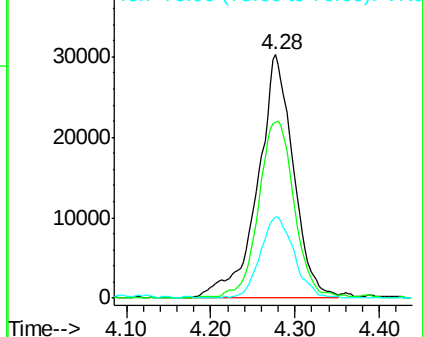
76 31.6 24.0 36.0

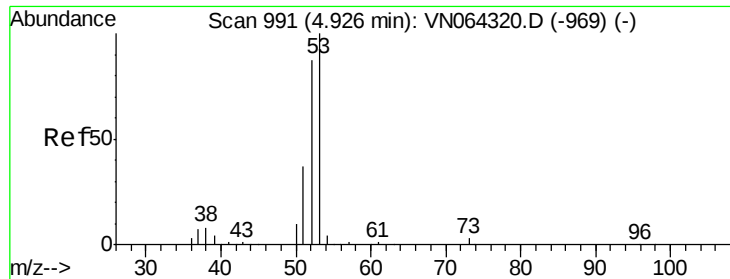


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 94.158 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

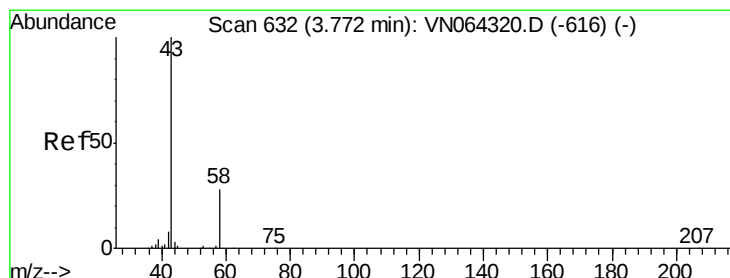
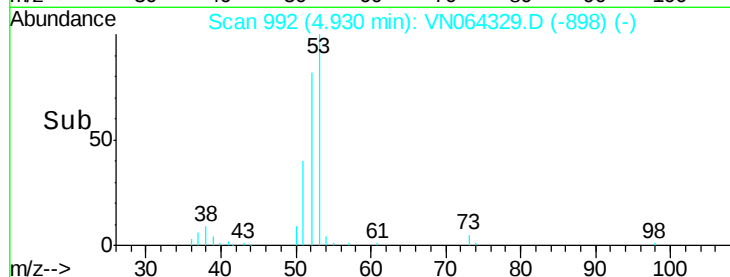
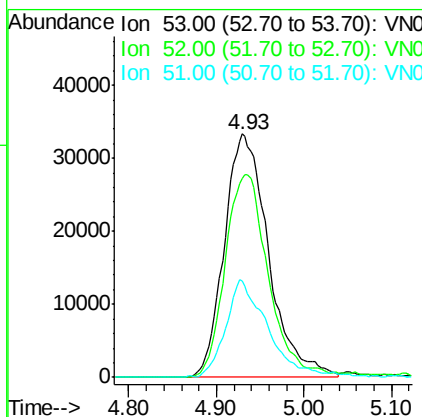
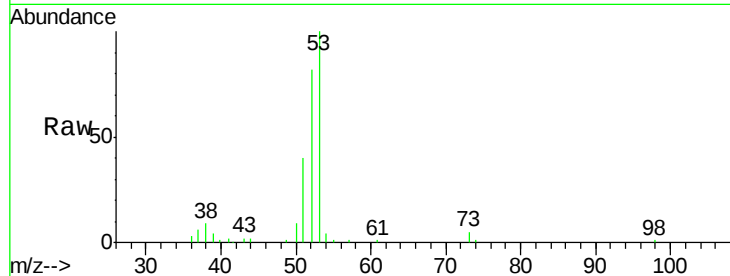
ClientSampleId :

VN1027WBS01

Tot Ion:	53	Resp:	116876
Ion Ratio	Lower	Upper	
53	100		
52	81.1	65.9	98.9
51	37.3	30.4	45.6

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#16

Acetone

Concen: 80.928 ug/l

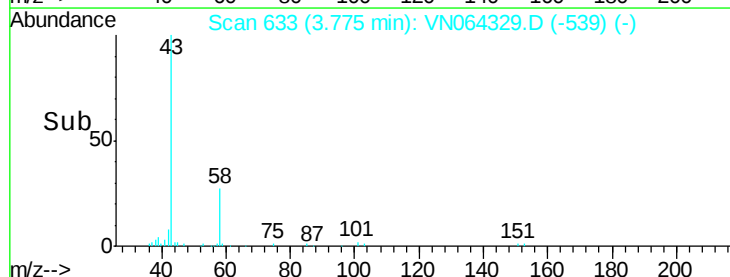
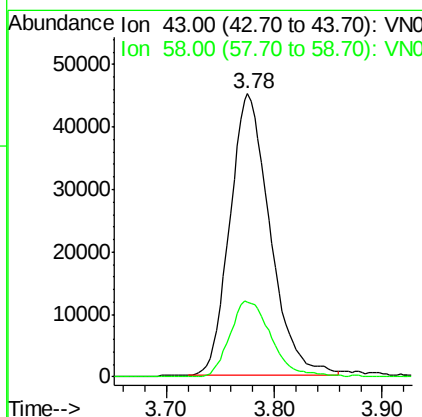
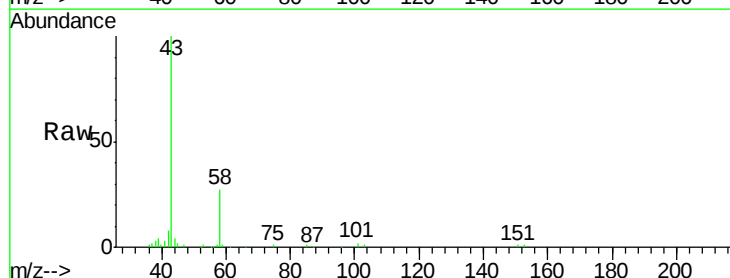
RT: 3.78 min Scan# 633

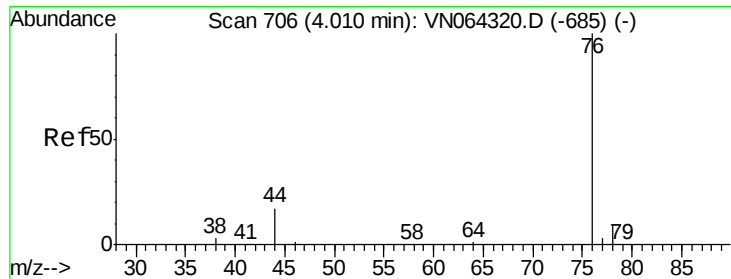
Delta R.T. 0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Tgt Ion:	43	Resp:	116440
Ion Ratio	Lower	Upper	
43	100		
58	26.8	22.1	33.1





#17

Carbon Disulfide

Concen: 17.609 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion: 76 Resp: 123156

Ion Ratio Lower Upper

76 100

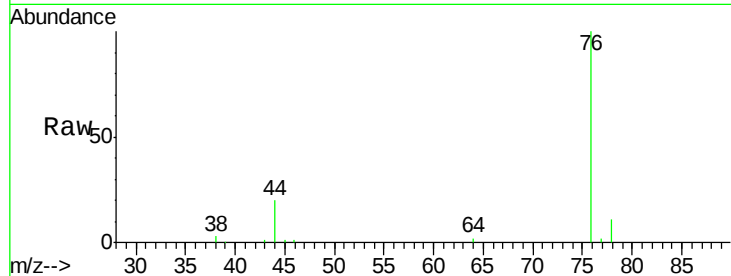
78 10.6 7.3 10.9

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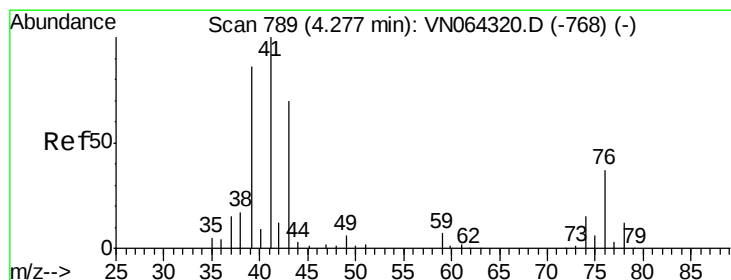
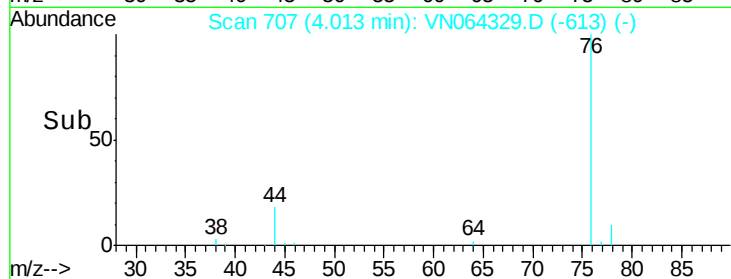
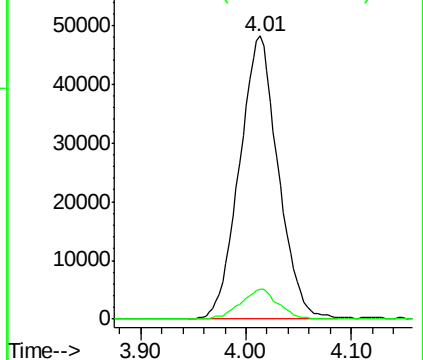
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 17.936 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064329.D

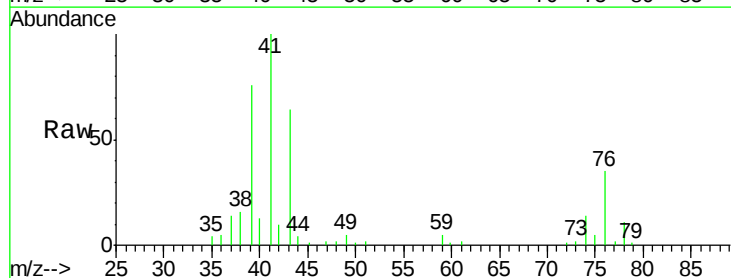
Acq: 27 Oct 2020 16:28

Tgt Ion: 43 Resp: 53573

Ion Ratio Lower Upper

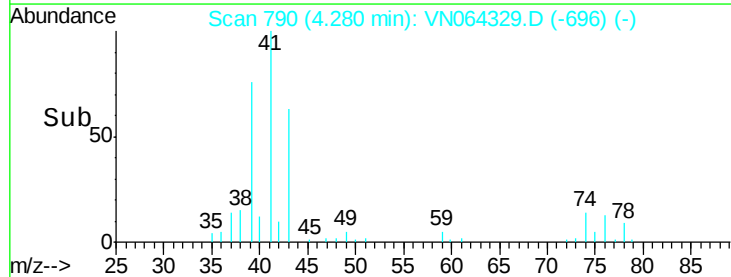
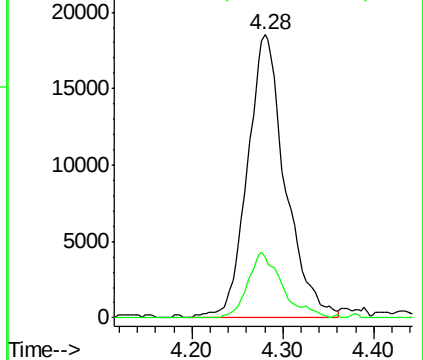
43 100

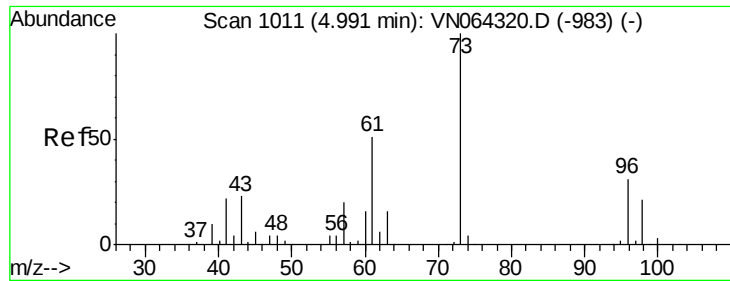
74 21.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





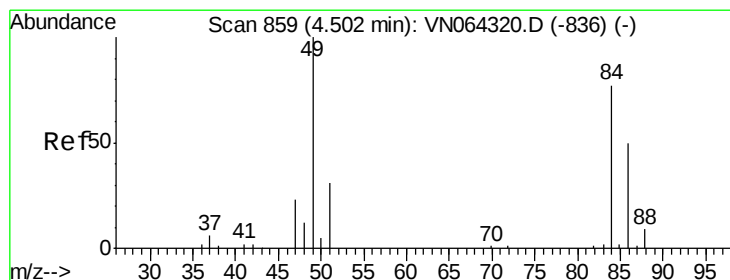
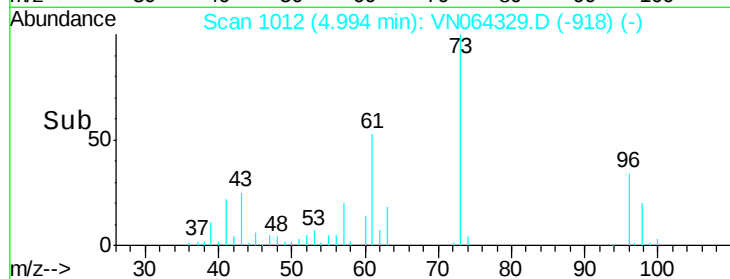
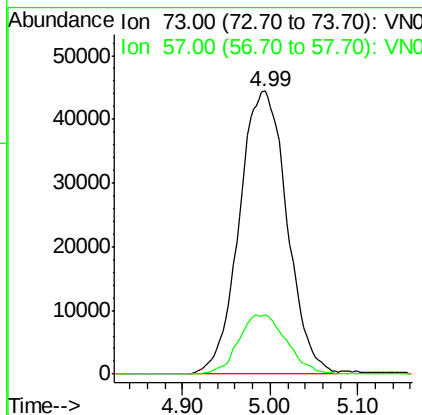
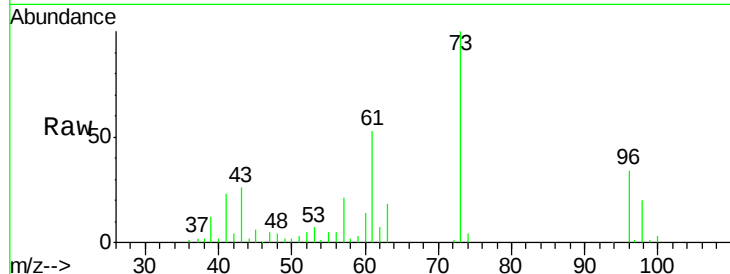
#19
Methvl tert-butvl Ether
Concen: 18.472 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion: 73 Resp: 167774
Ion Ratio Lower Upper
73 100
57 20.9 16.1 24.1

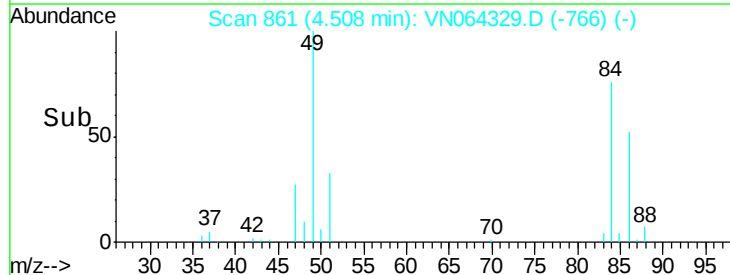
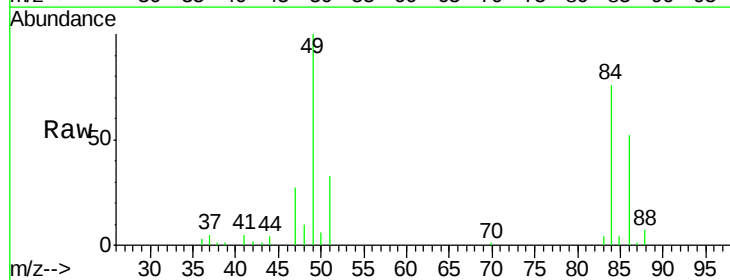
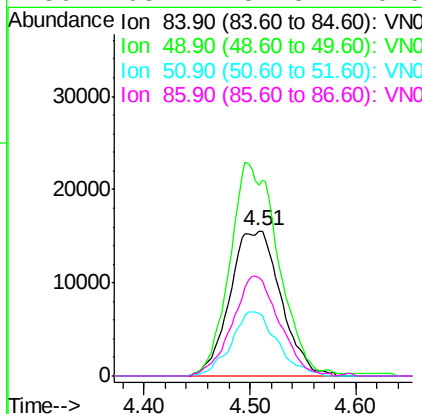
Manual Integrations
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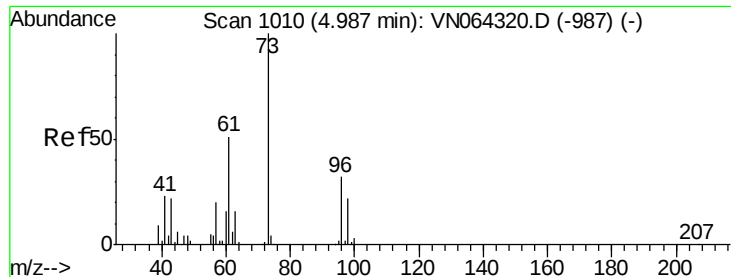
MMDadoda
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#20
Methylene Chloride
Concen: 18.427 ug/l m
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion: 84 Resp: 51964
Ion Ratio Lower Upper
84 100
49 132.2 103.6 155.4
51 43.7 31.8 47.8
86 68.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.636 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion: 96 Resp: 49145

Ion Ratio Lower Upper

96 100

61 150.1 128.2 192.2

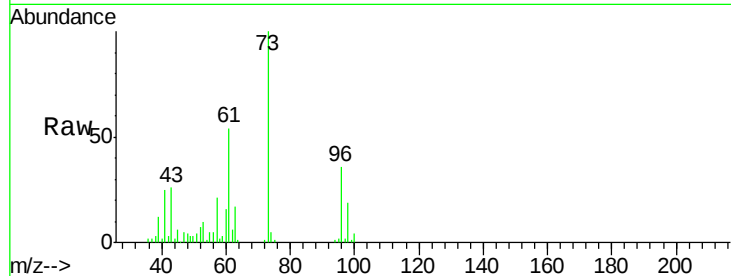
98 53.4 56.1 84.1#

Manual Integrations

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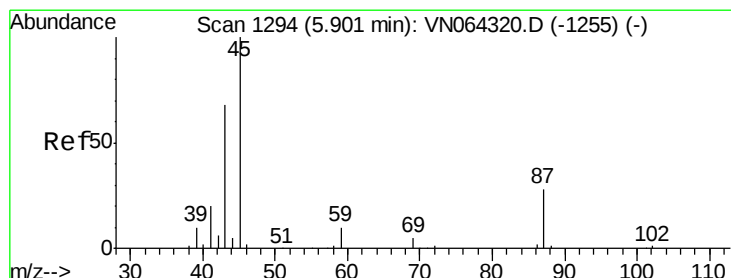
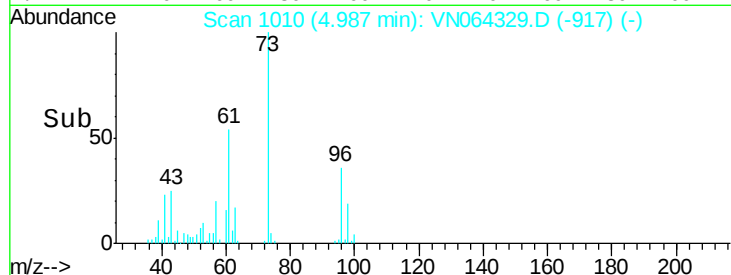
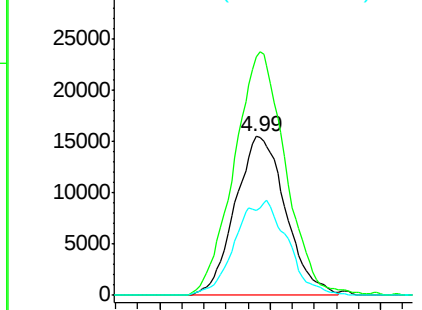


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.981 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Tgt Ion: 45 Resp: 179079

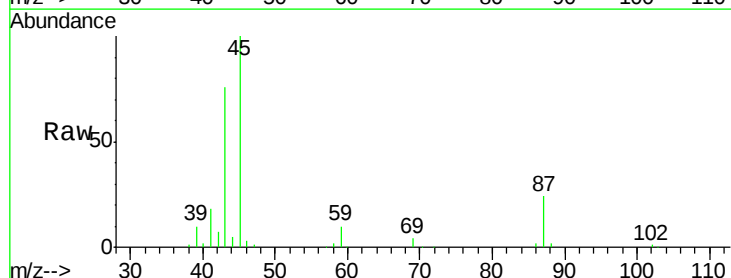
Ion Ratio Lower Upper

45 100

43 73.3 54.6 82.0

87 24.3 22.6 33.8

59 10.2 8.6 12.8



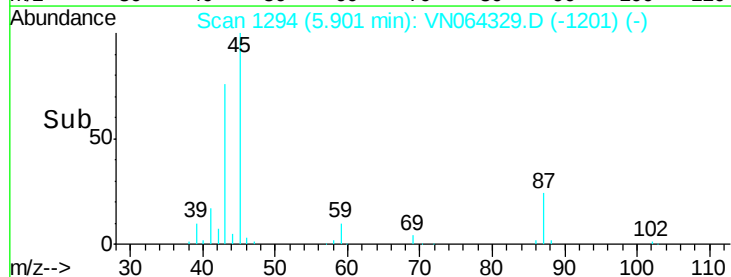
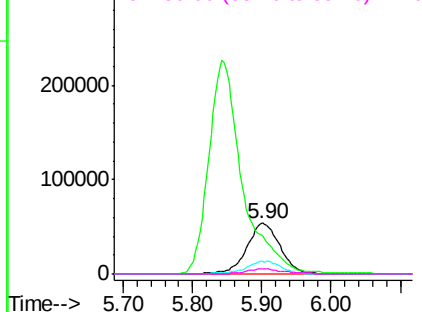
Abundance

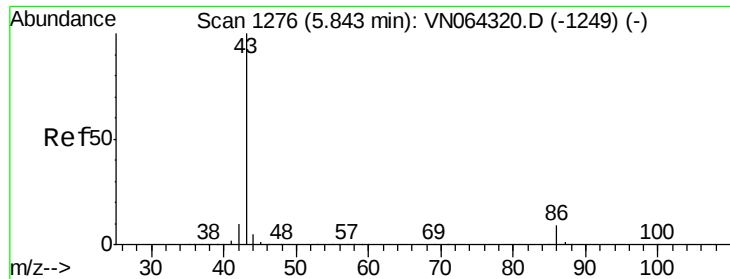
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 95.068 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion: 43 Resp: 758830

Ion Ratio Lower Upper

43 100

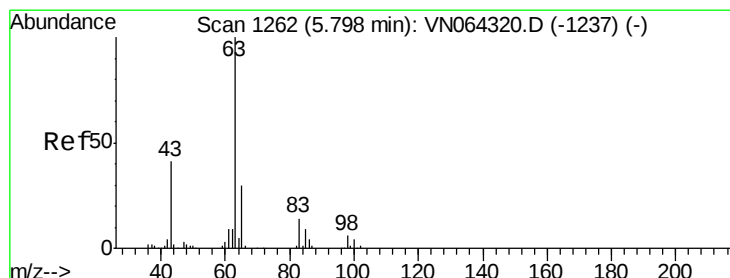
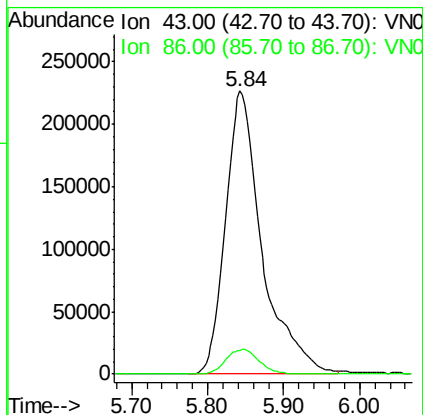
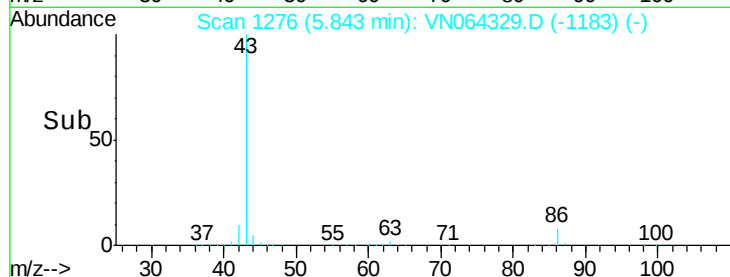
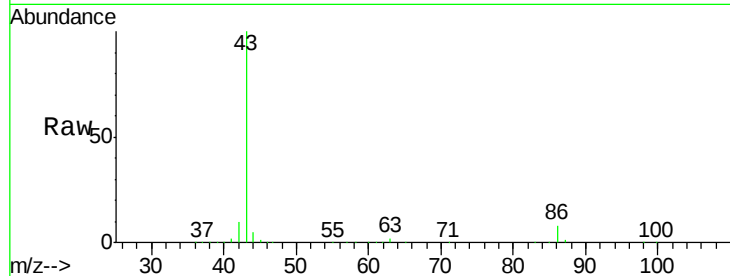
86 8.4 7.3 10.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.800 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

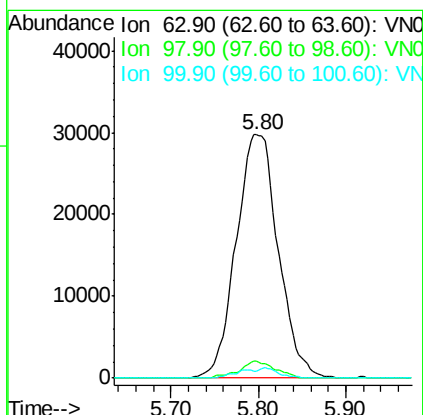
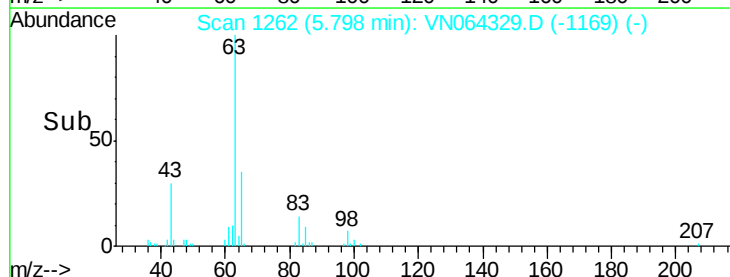
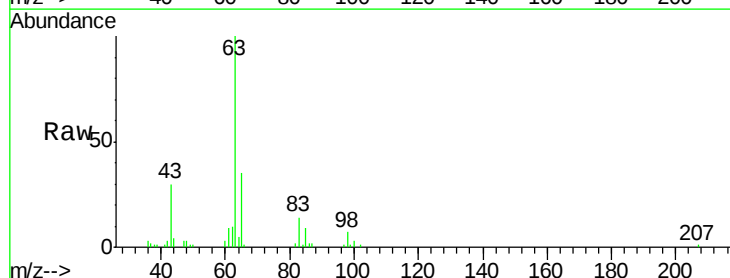
Tgt Ion: 63 Resp: 99253

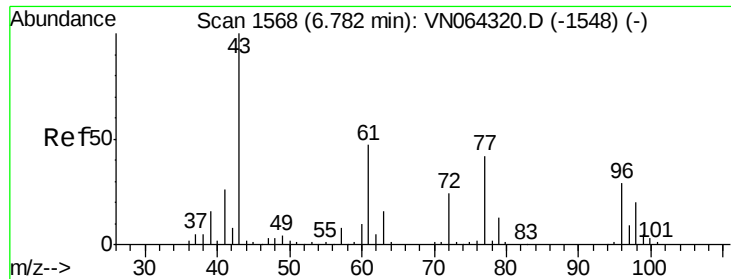
Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

100 2.9 2.0 5.8





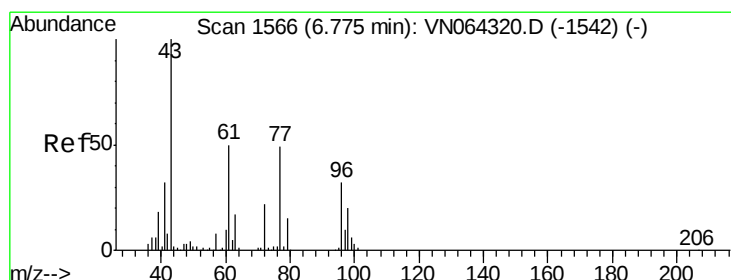
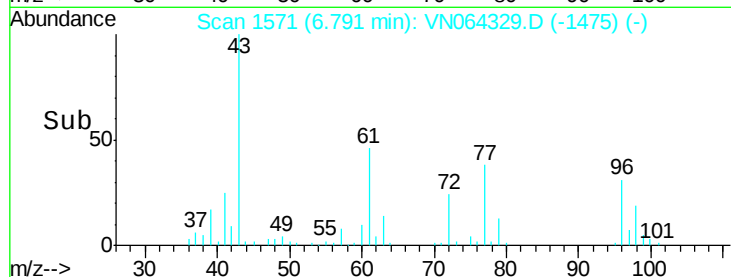
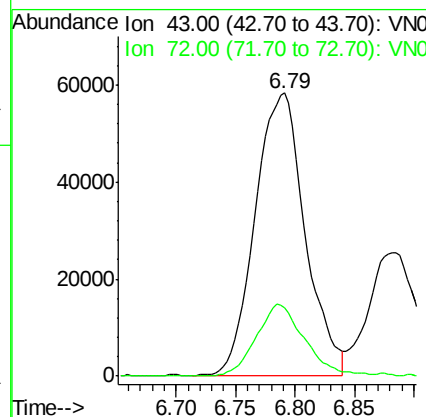
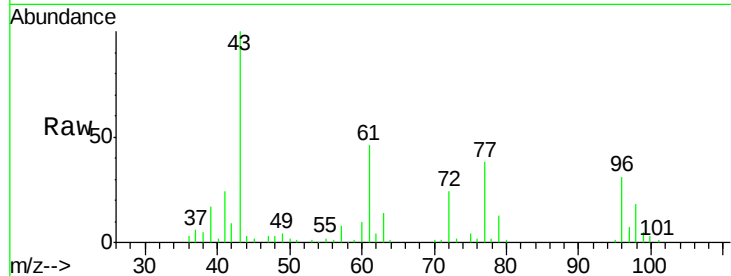
#25
2-Butanone
Concen: 85.158 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion: 43 Resp: 170014
Ion Ratio Lower Upper
43 100
72 24.3 18.8 28.2

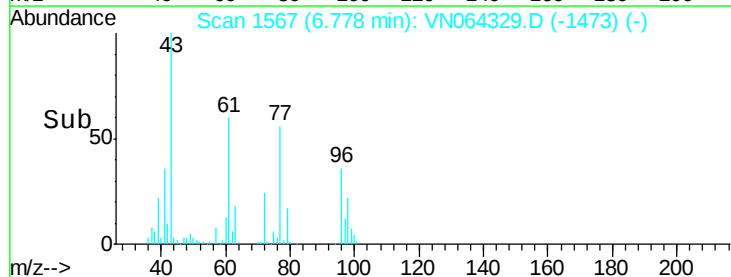
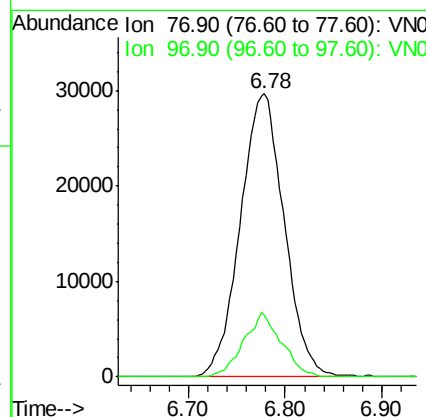
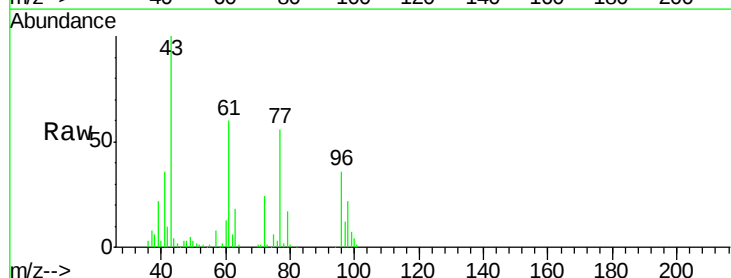
Manual Integrations
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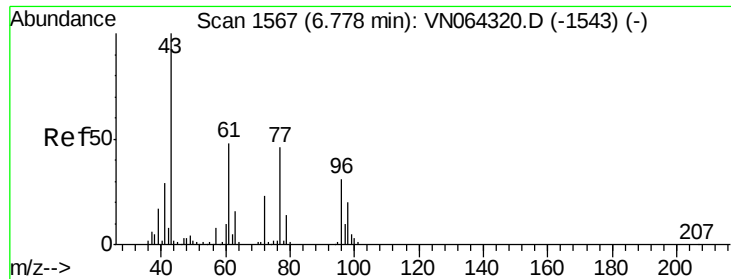
MMDadoda
10/28/2020 12:36:09 PM



#26
2,2-Dichloropropane
Concen: 18.072 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion: 77 Resp: 93377
Ion Ratio Lower Upper
77 100
97 19.5 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 18.650 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

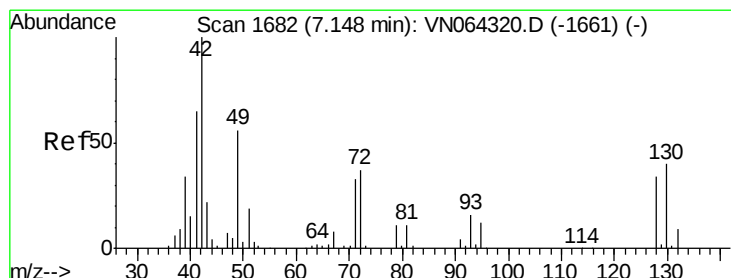
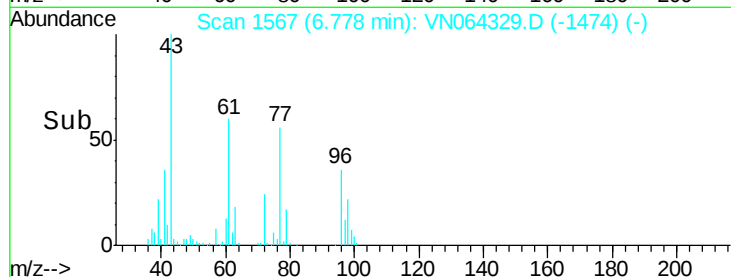
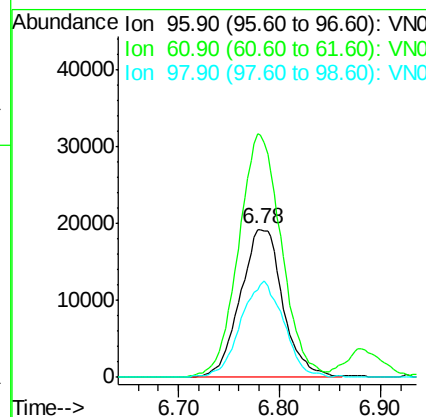
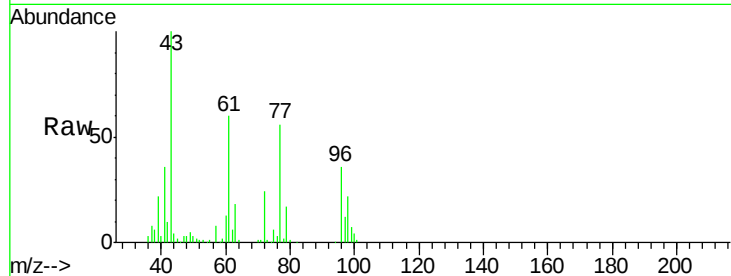
ClientSampleId :

VN1027WBS01

Tot Ion:	96	Resp:	56284
Ion	Ratio	Lower	Upper
96	100		
61	165.3	0.0	325.0
98	65.3	0.0	128.4

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#28

Bromochloromethane

Concen: 17.457 ug/l

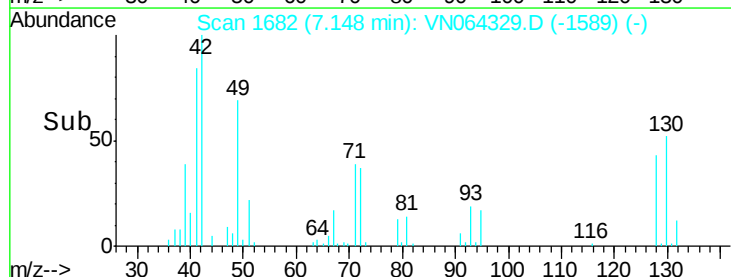
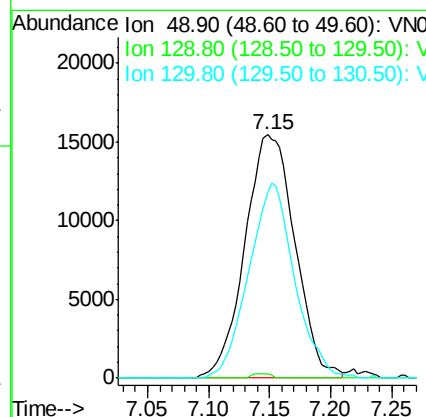
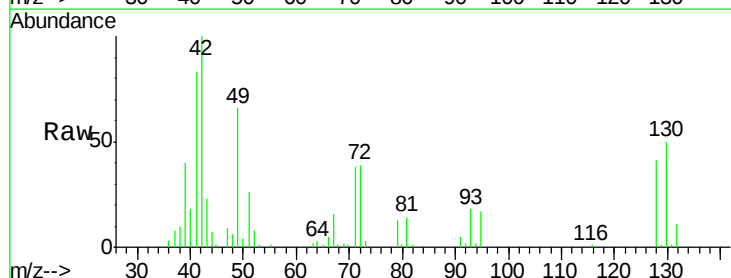
RT: 7.15 min Scan# 1682

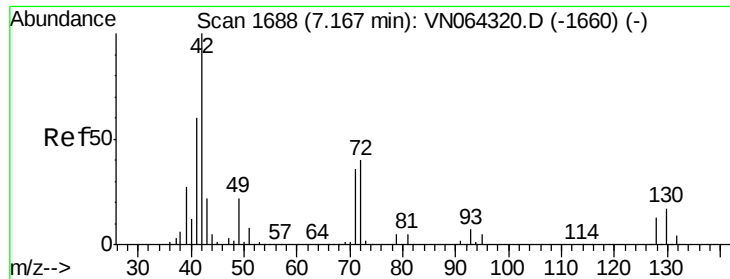
Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Tgt Ion:	49	Resp:	43911
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.8
130	73.3	56.2	84.2





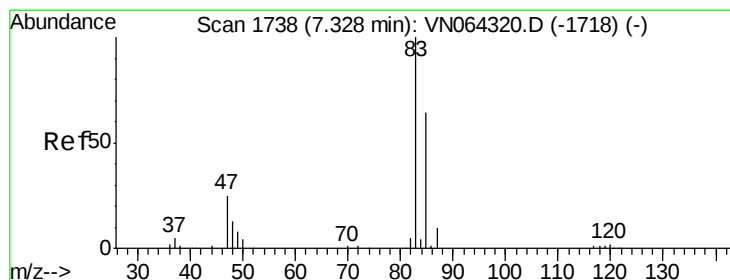
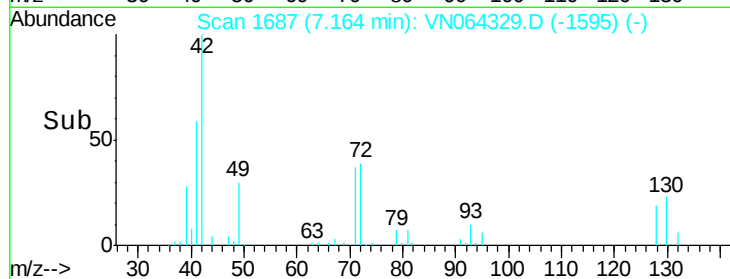
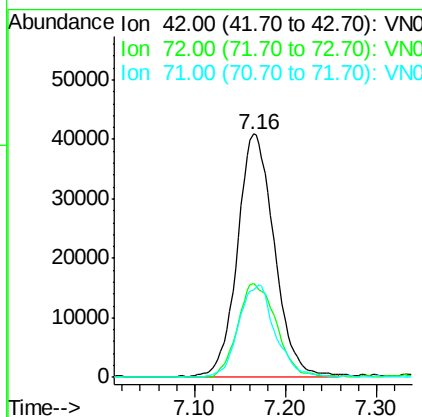
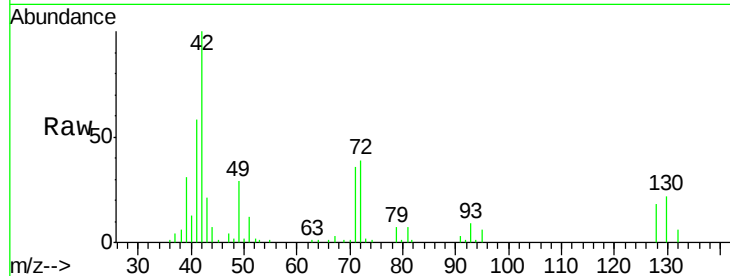
#29
Tetrahydrofuran
Concen: 89.220 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	31.6	47.4
71	37.6	29.4	44.0

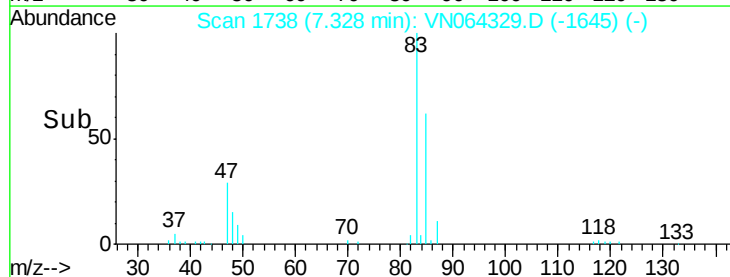
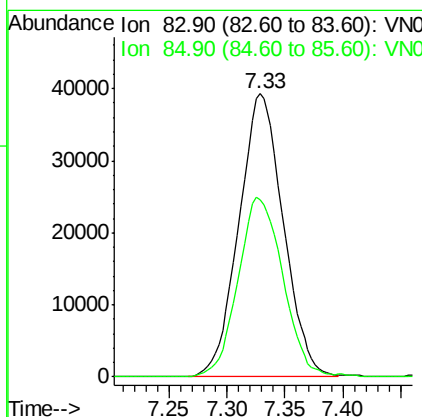
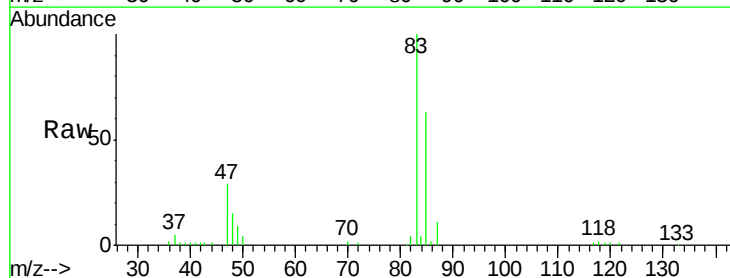
Manual Integrations
APPROVED

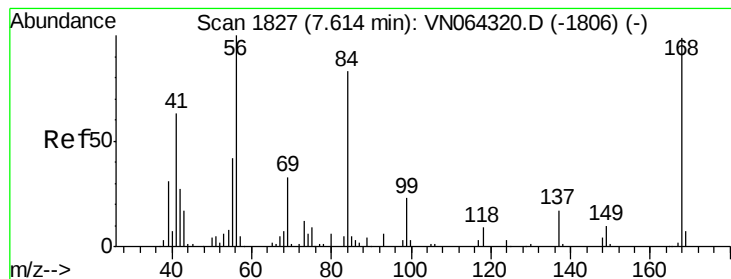
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#30
Chloroform
Concen: 18.593 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.1	76.7





#31

Cyclohexane

Concen: 18.963 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion: 56 Resp: 87508

Ion Ratio Lower Upper

56 100

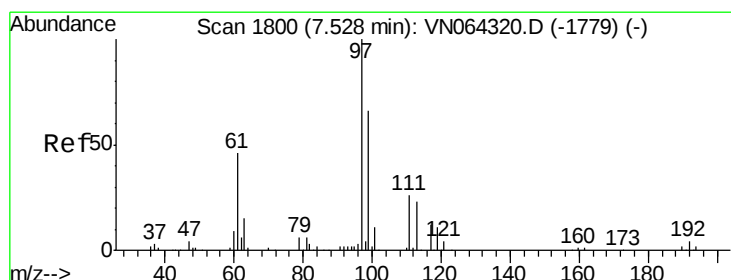
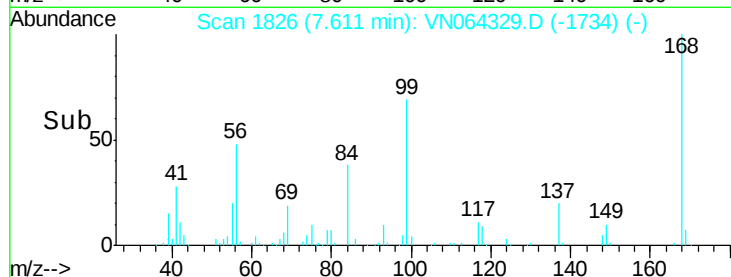
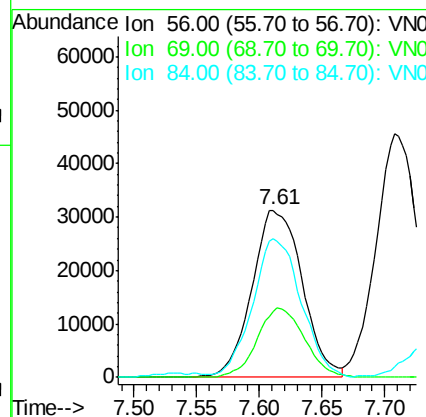
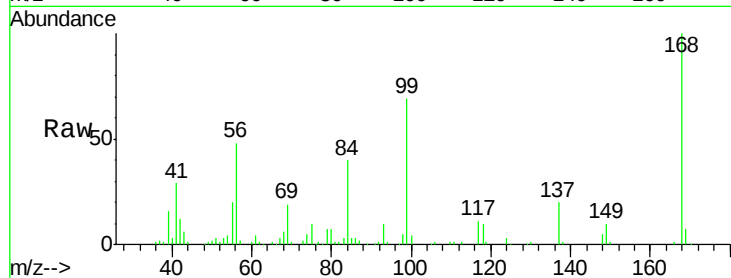
69 39.1 25.8 38.8#

84 81.1 66.3 99.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.344 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

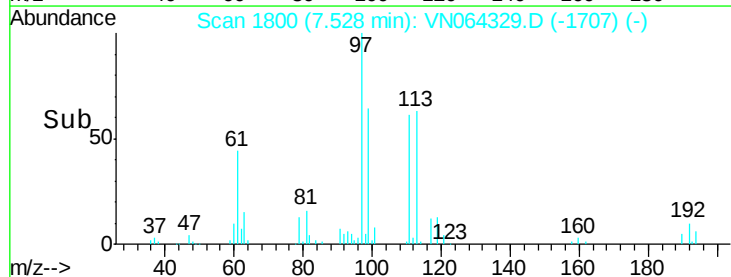
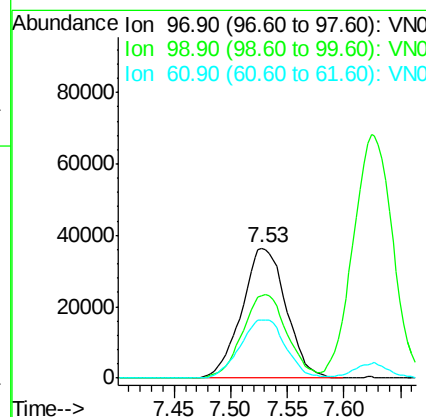
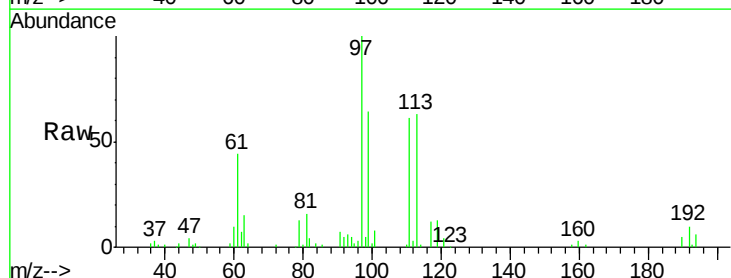
Tgt Ion: 97 Resp: 99264

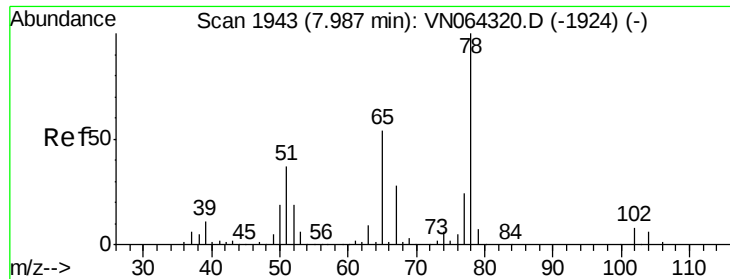
Ion Ratio Lower Upper

97 100

99 64.6 50.6 76.0

61 46.0 35.8 53.6





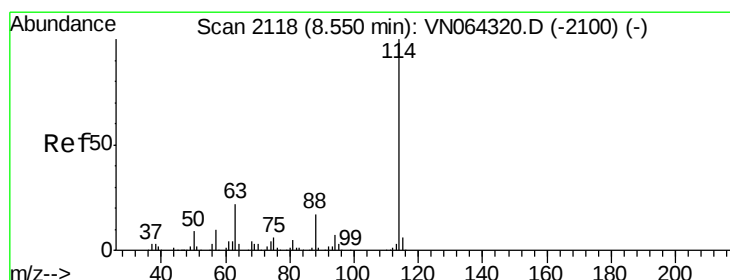
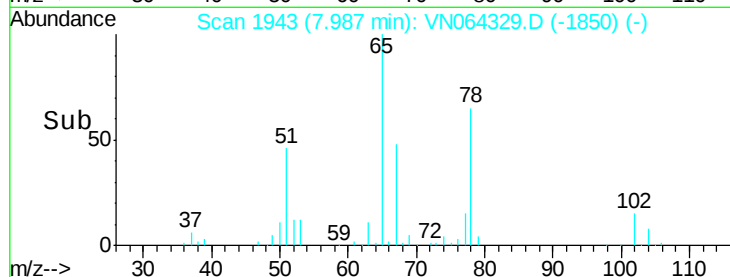
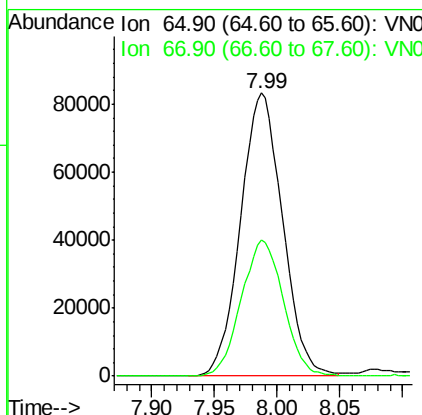
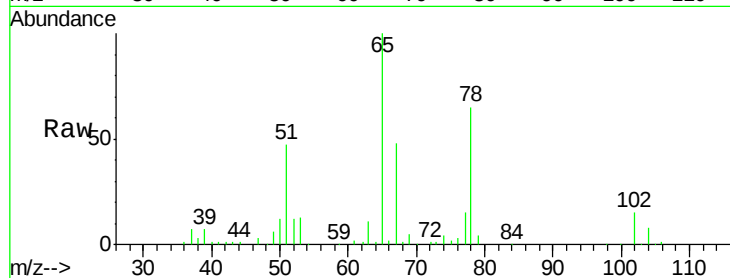
#33
 1,2-Dichloroethane-d4
 Concen: 48.856 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	194263		
67	48.3	0.0	99.2	

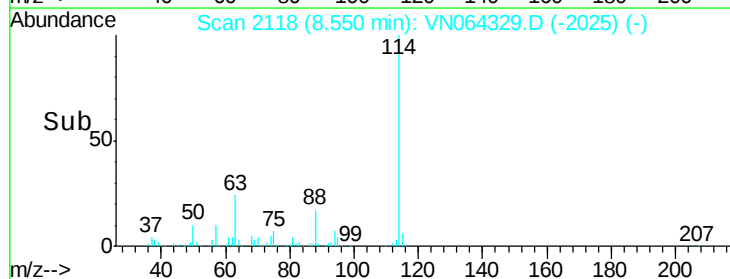
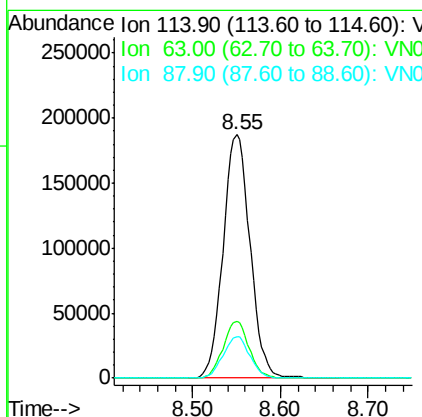
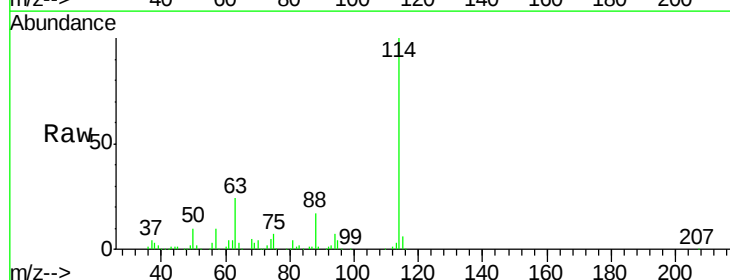
Manual Integrations
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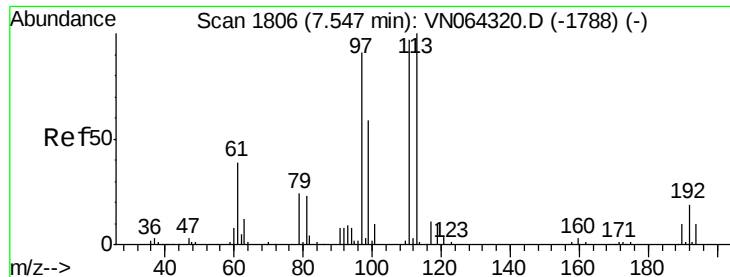
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	400676		
63	23.5	0.0	44.6	
88	17.1	0.0	33.4	





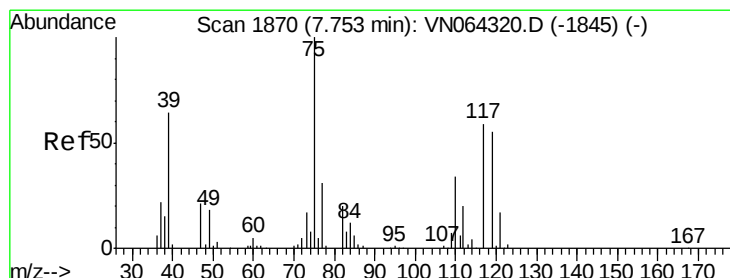
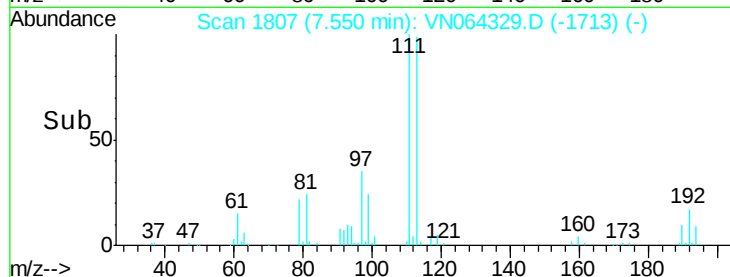
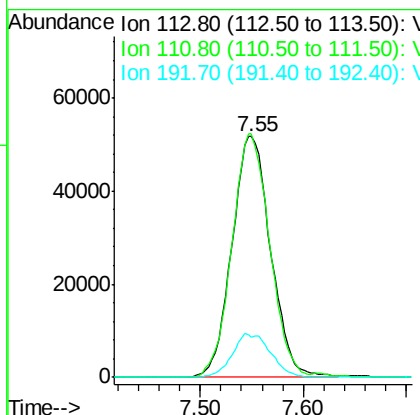
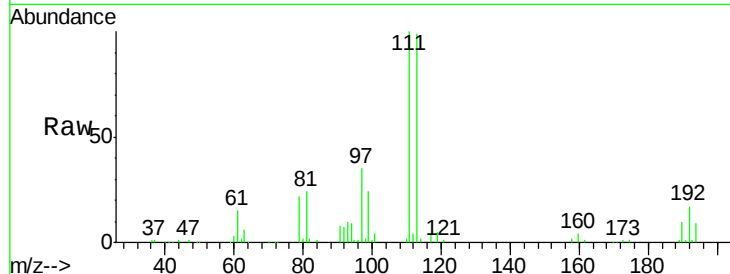
#35
 Dibromofluoromethane
 Concen: 50.632 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	135289		
111	98.0	81.5	122.3	
192	17.8	15.0	22.4	

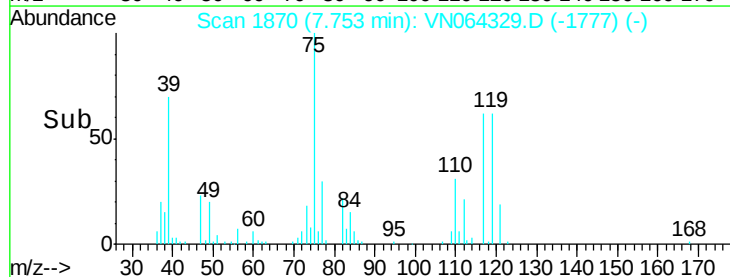
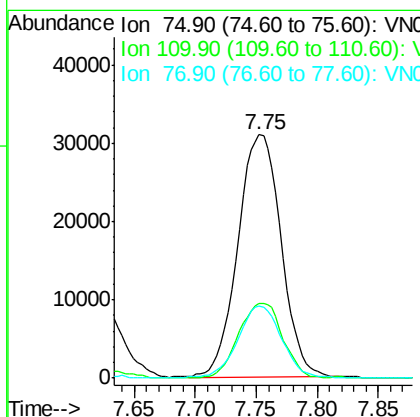
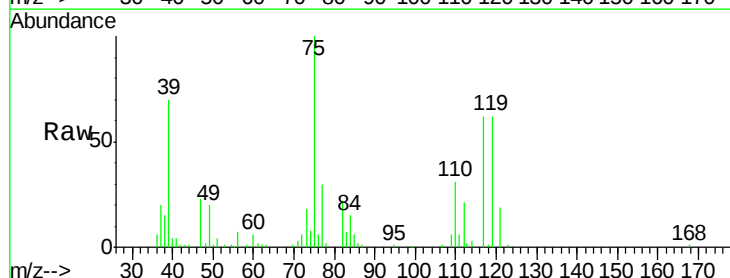
Manual Integrations
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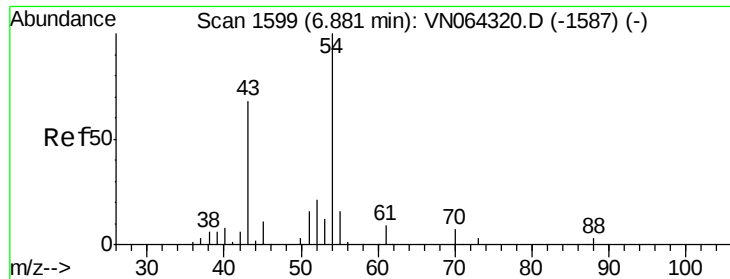
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#36
 1,1-Dichloropropene
 Concen: 18.772 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75908		
110	31.4	16.8	50.3	
77	30.1	24.2	36.4	





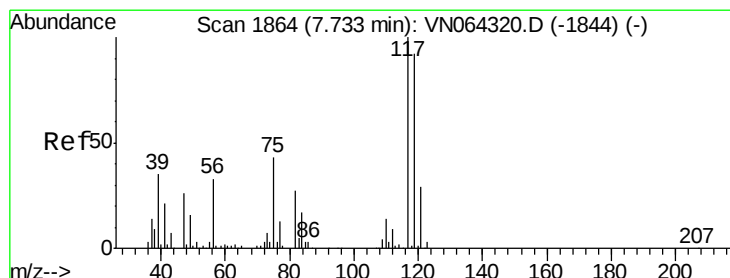
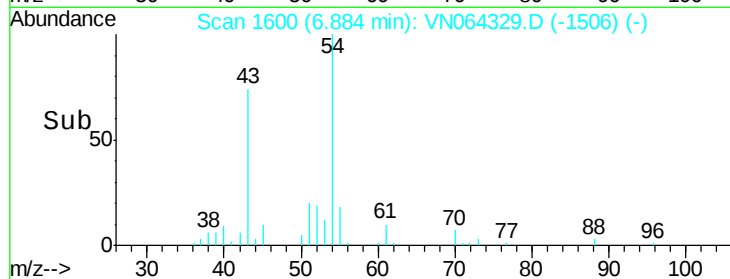
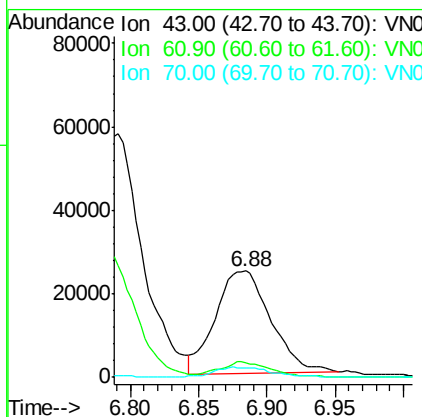
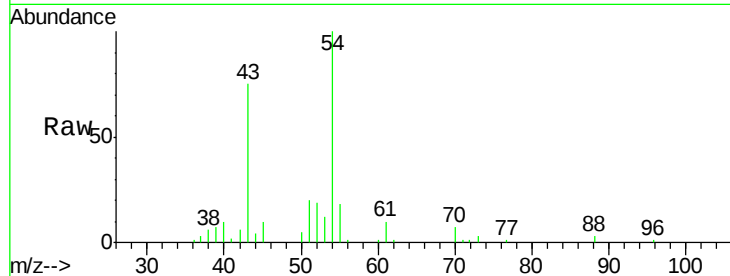
#37
Ethyl Acetate
Concen: 16.937 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.0	15.0
70	10.4	7.1	10.7

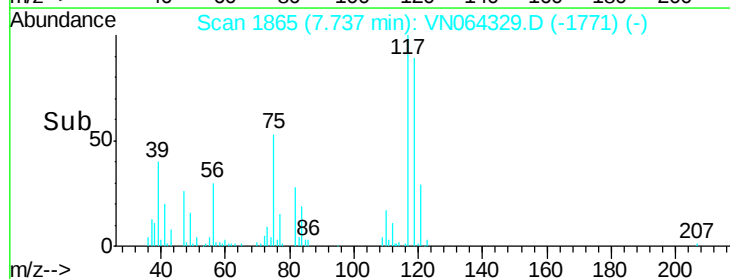
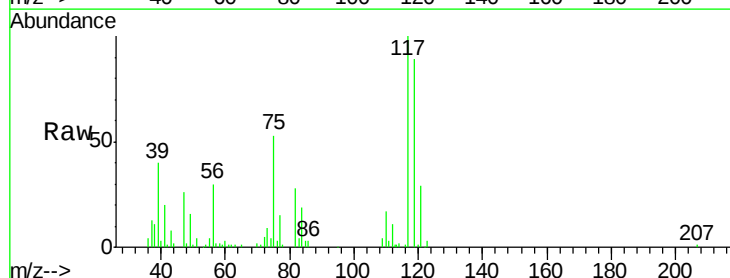
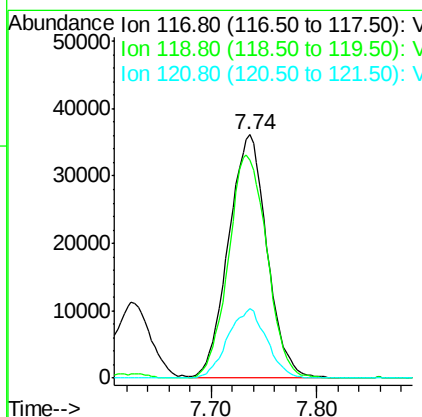
Manual Integrations
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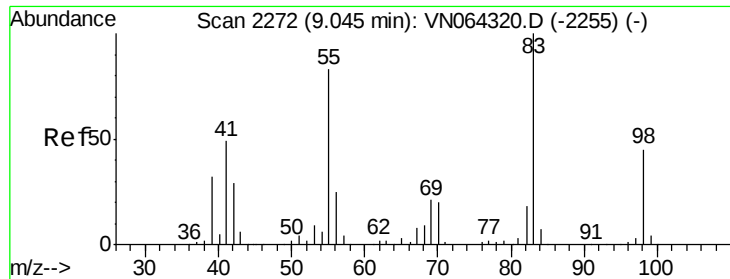
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#38
Carbon Tetrachloride
Concen: 19.547 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.5	73.7	110.5
121	28.6	22.8	34.2





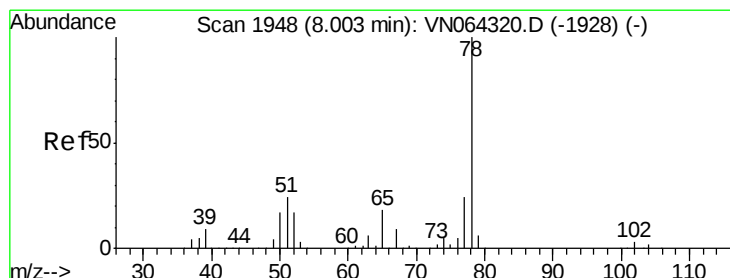
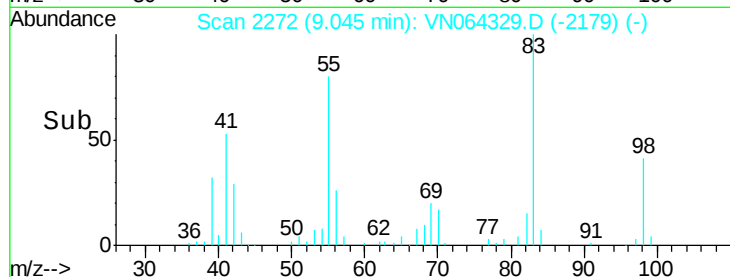
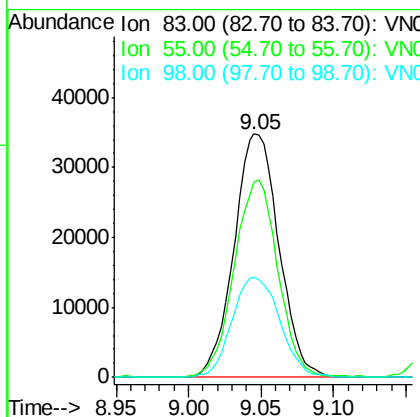
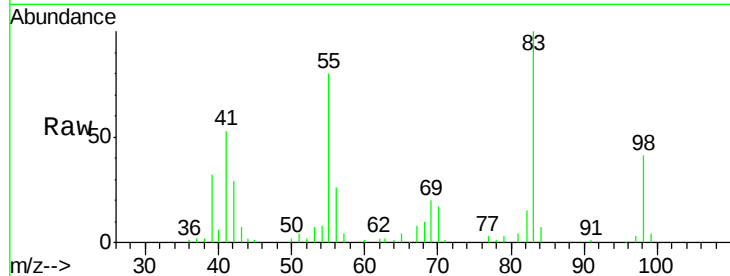
#39
Methvlcvclohexane
Concen: 18.656 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	66.2	99.4
98	41.3	36.0	54.0

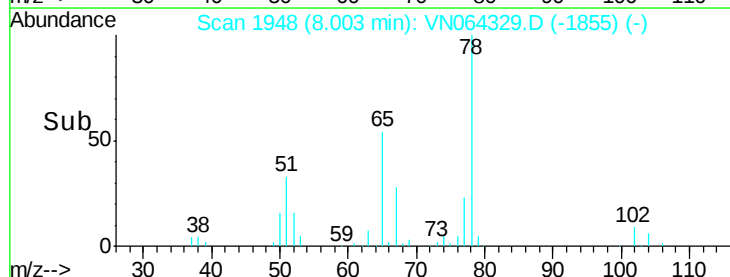
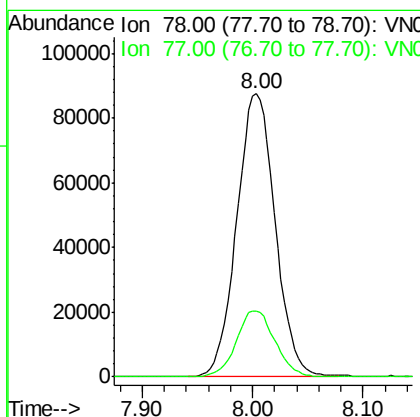
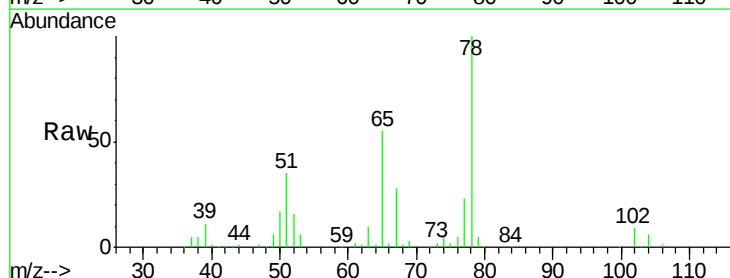
Manual Integrations
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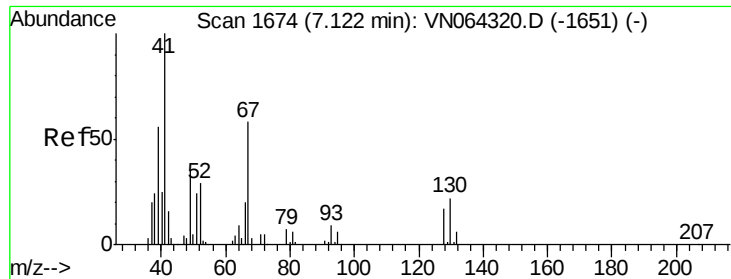
MMDadoda
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#40
Benzene
Concen: 18.800 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





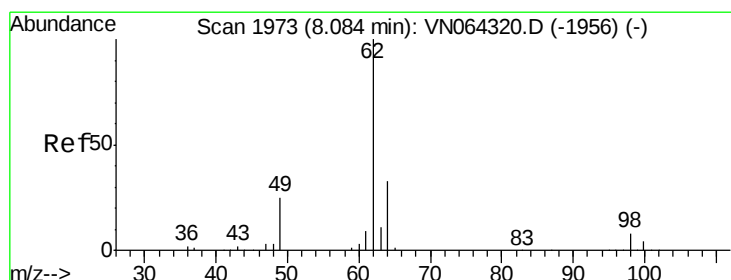
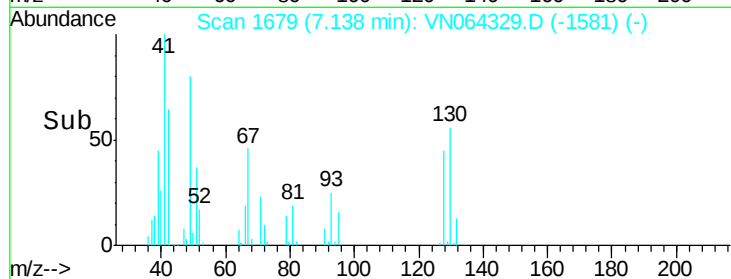
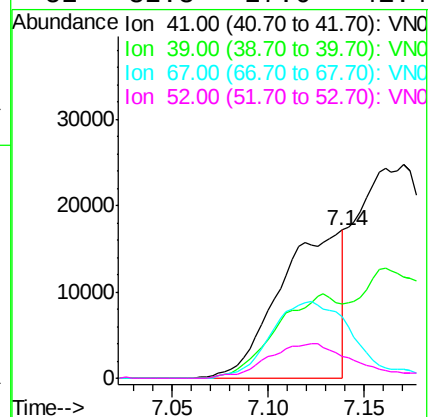
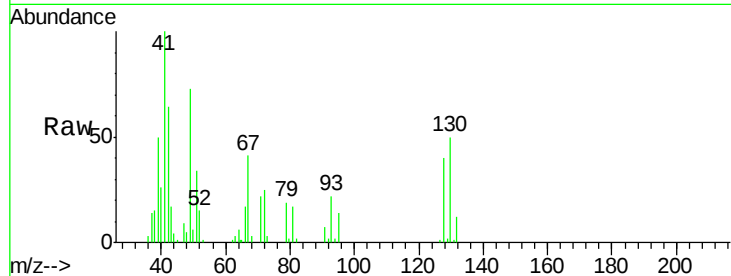
#41
Methacrylonitrile
Concen: 19.219 ug/l m
RT: 7.14 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion	41	Resp	38968
Ion	Ratio	Lower	Upper
41	100		
39	57.4	48.6	72.8
67	67.8	61.4	92.2
52	32.3	27.6	41.4

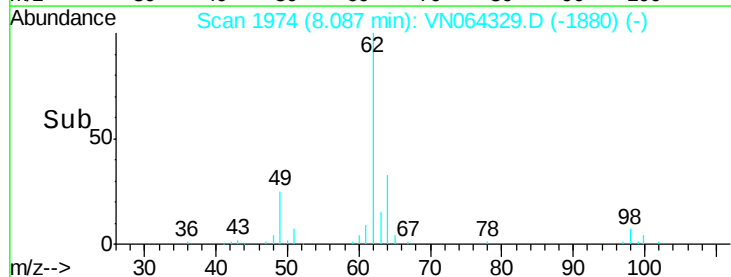
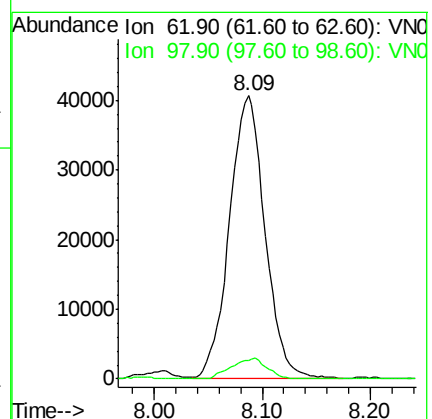
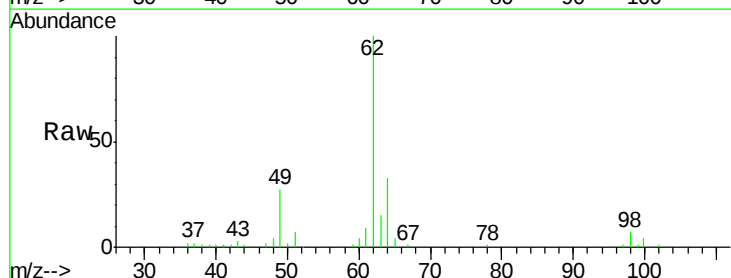
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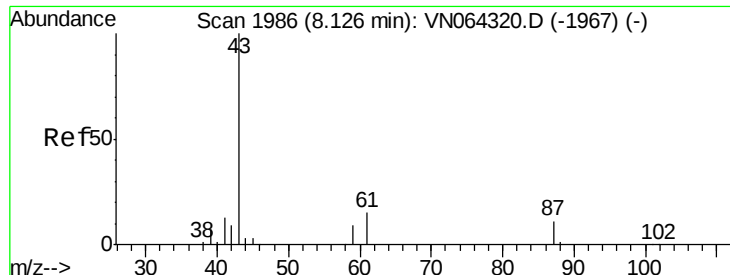
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.253 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion	62	Resp	93615
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	14.2





#43

Isopropyl Acetate

Concen: 18.651 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

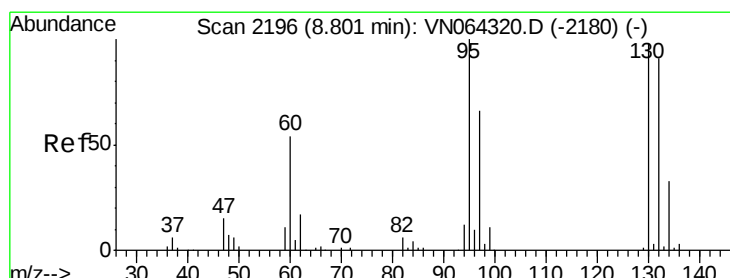
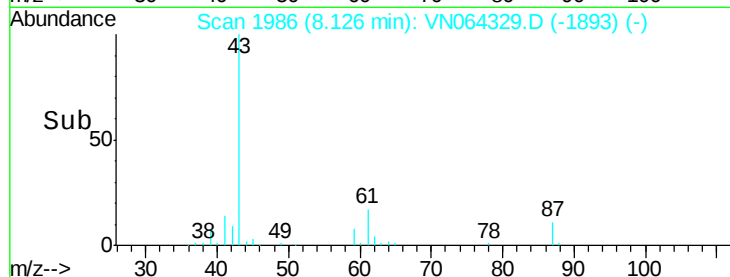
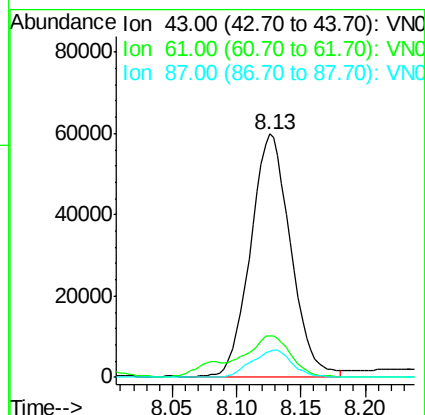
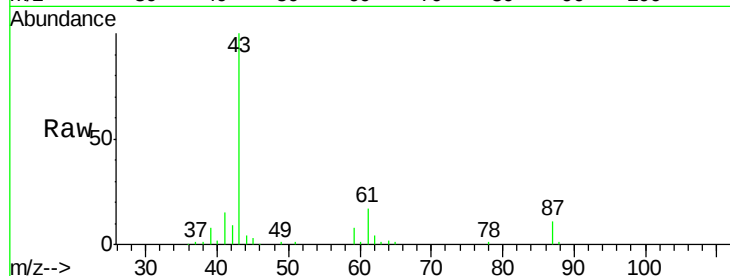
ClientSampleId :

VN1027WBS01

Tot Ion:	43	Resp:	130230
Ion	Ratio	Lower	Upper
43	100		
61	18.7	19.1	28.7#
87	11.4	9.3	13.9

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#44

Trichloroethene

Concen: 19.632 ug/l

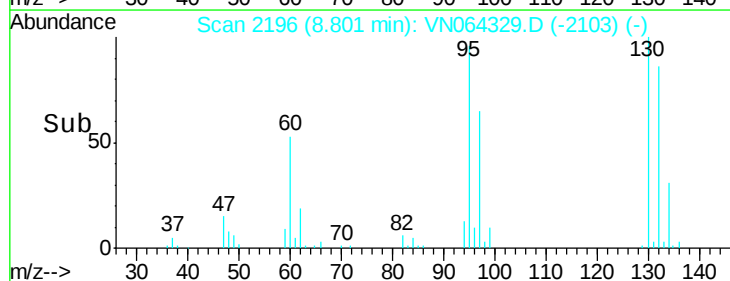
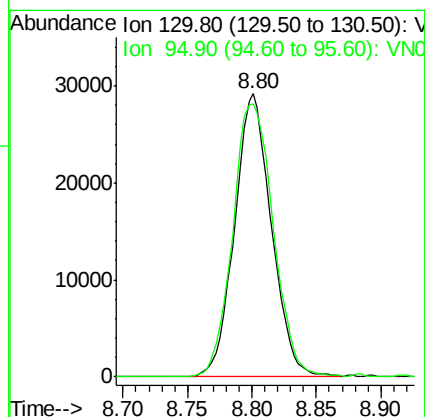
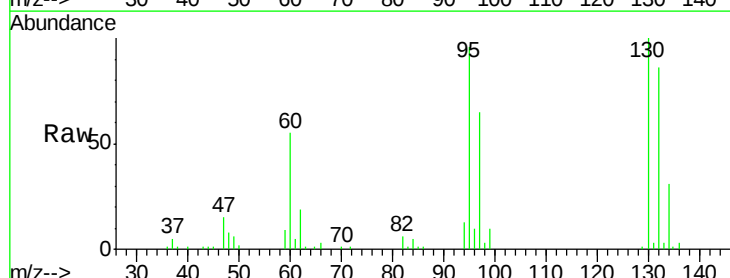
RT: 8.80 min Scan# 2196

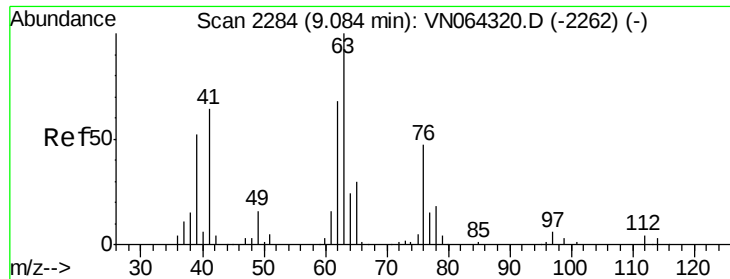
Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Tgt Ion:	130	Resp:	57888
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	203.6





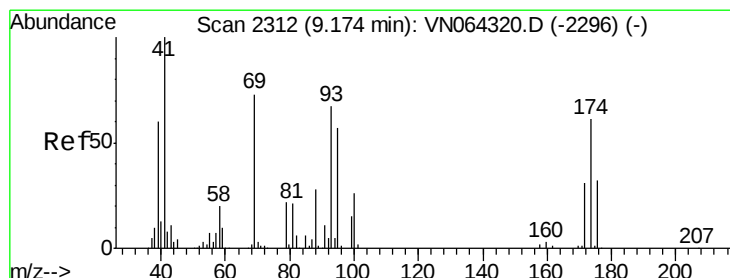
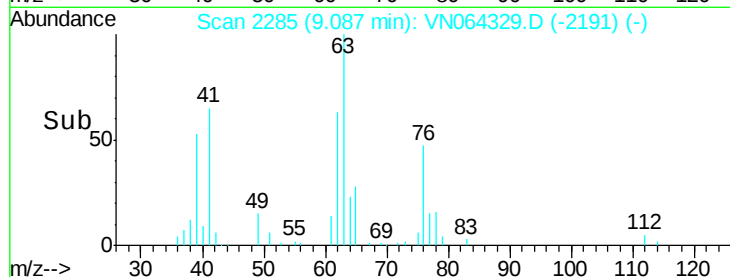
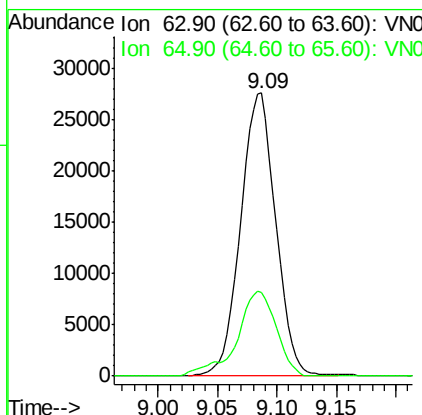
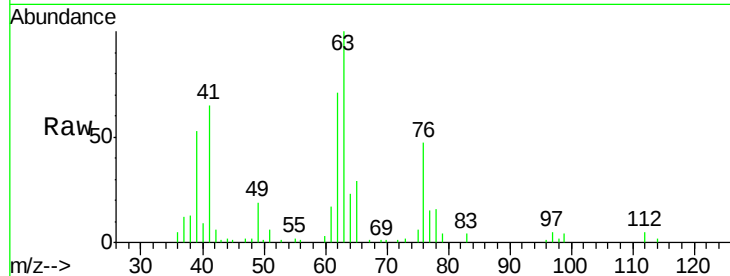
#45
 1,2-Dichloropropane
 Concen: 18.774 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBS01

Tot Ion	63	Resp	56587
Ion Ratio	Lower	Upper	
63	100		
65	29.4	24.3	36.5

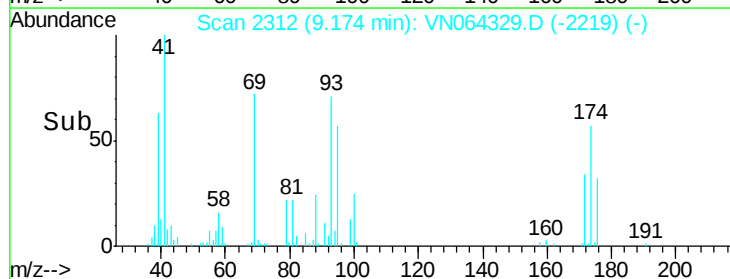
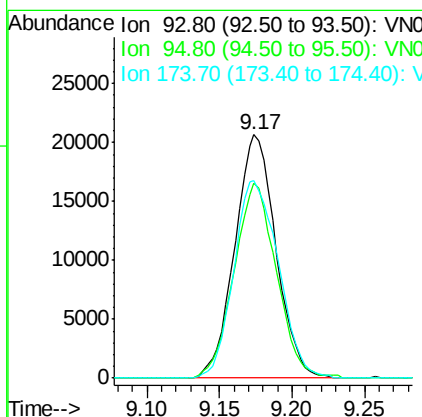
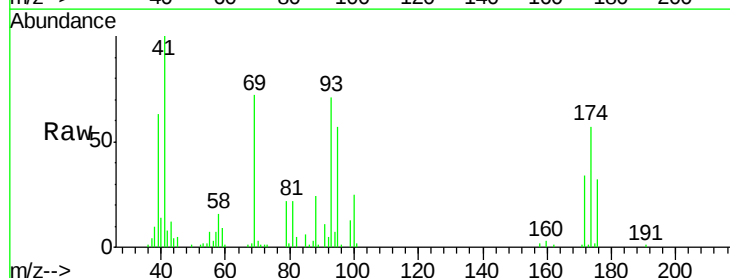
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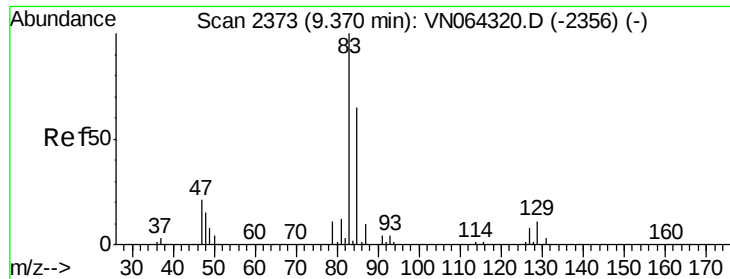
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#46
 Dibromomethane
 Concen: 19.347 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Tgt Ion	93	Resp	40796
Ion Ratio	Lower	Upper	
93	100		
95	82.4	64.4	96.6
174	87.8	71.4	107.0





#47

Bromodichloromethane

Concen: 18.351 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

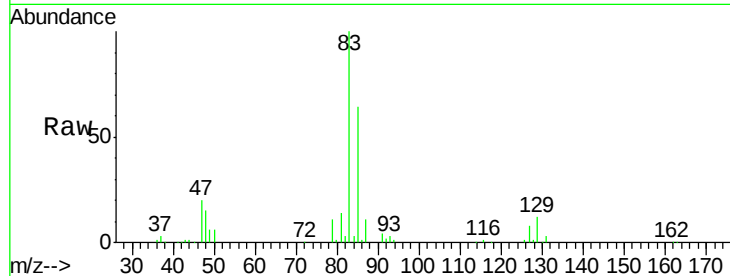
ClientSampleId :

VN1027WBS01

Tot Ion:	83	Resp:	85754
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.1	78.1
127	7.6	6.7	10.1

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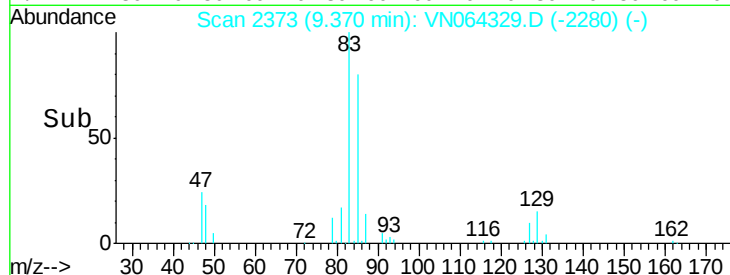


Abundance Ion 82.90 (82.60 to 83.60): VN064329.D (-2280) (-)

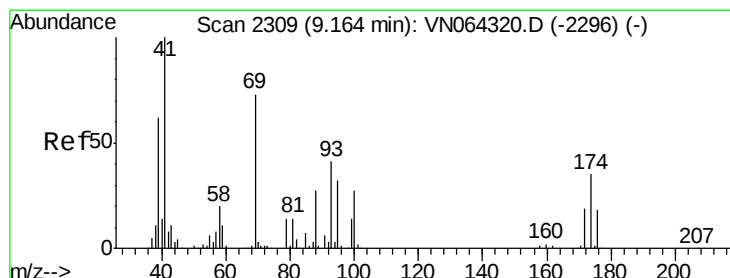
Ion 84.90 (84.60 to 85.60): VN064329.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064329.D (-2280) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 17.937 ug/l

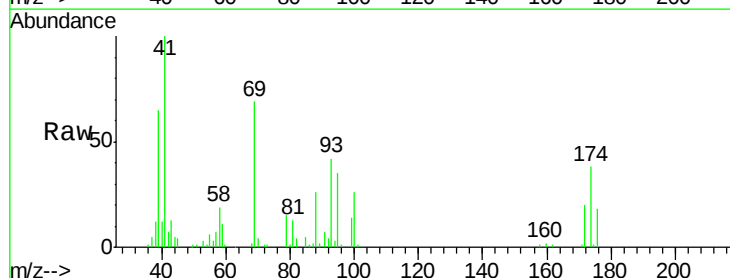
RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Tgt Ion:	41	Resp:	64615
Ion Ratio	Lower	Upper	
41	100		
69	73.2	59.1	88.7
39	66.3	51.3	76.9

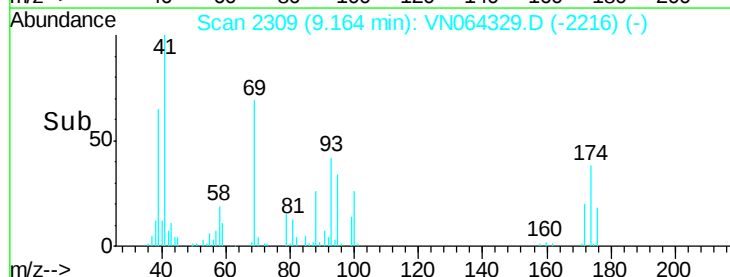


Abundance Ion 41.00 (40.70 to 41.70): VN064329.D (-2216) (-)

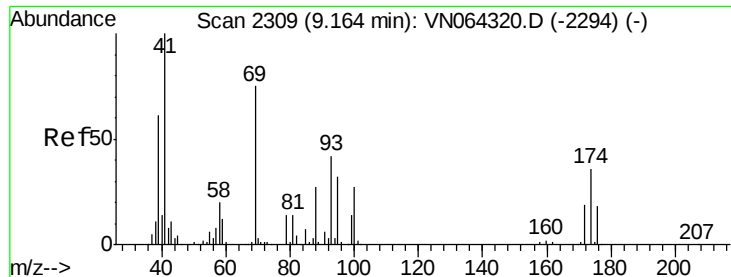
Ion 69.00 (68.70 to 69.70): VN064329.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064329.D (-2216) (-)

Time-->



Time-->



#49

1,4-Dioxane

Concen: 356.572 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion: 88 Resp: 18933

Ion Ratio Lower Upper

88 100

43 39.3 31.8 47.8

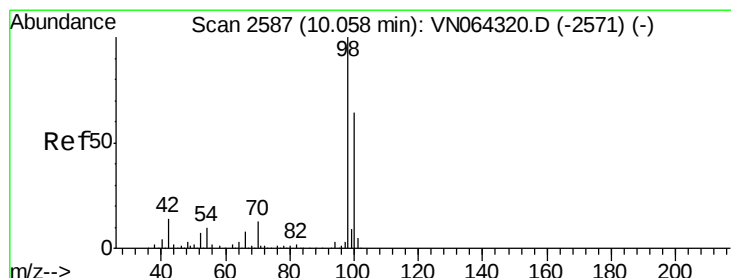
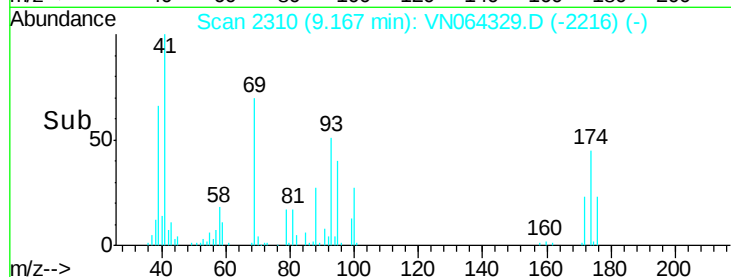
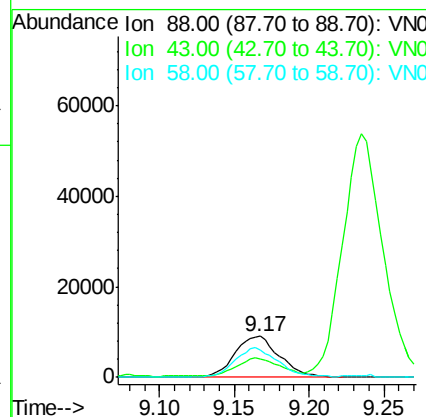
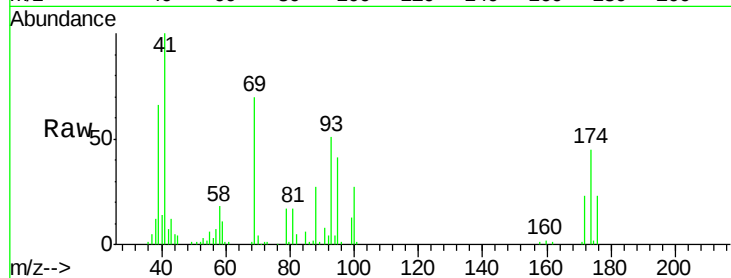
58 69.8 60.3 90.5

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#50

Toluene-d8

Concen: 48.110 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064329.D

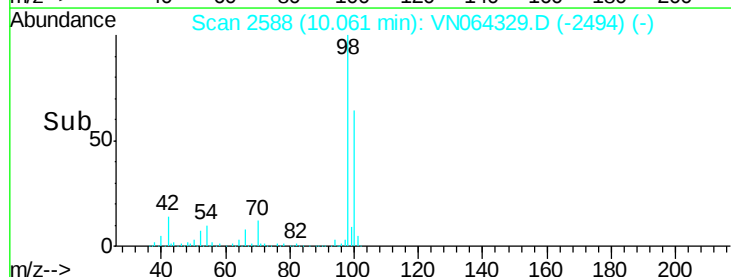
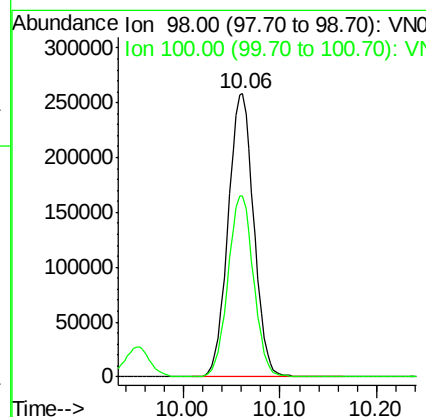
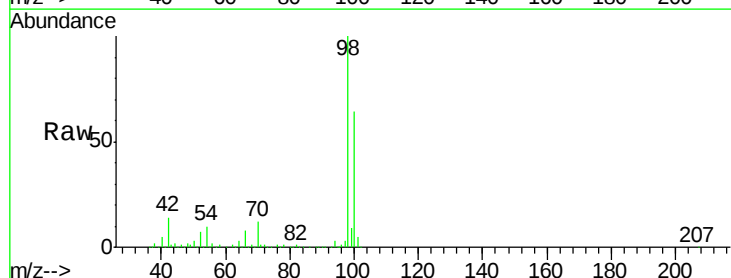
Acq: 27 Oct 2020 16:28

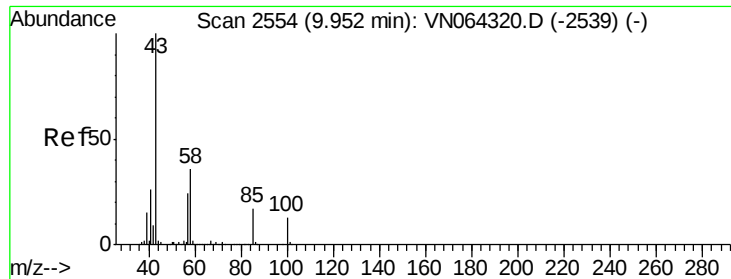
Tgt Ion: 98 Resp: 475493

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3





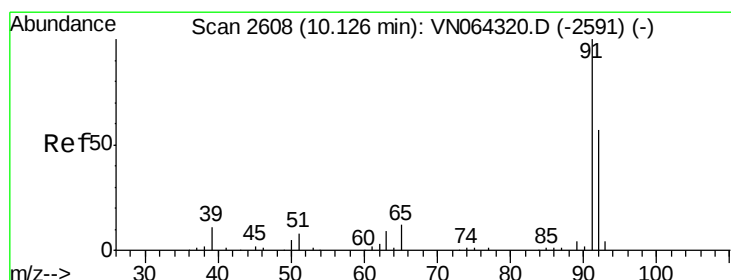
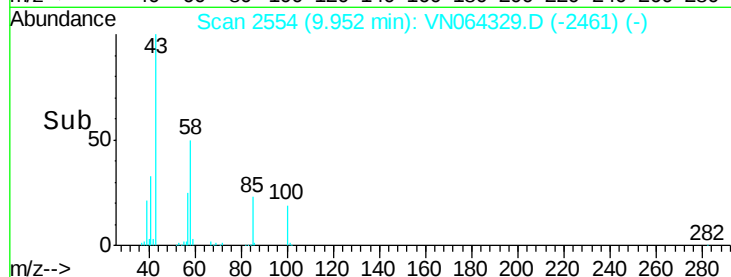
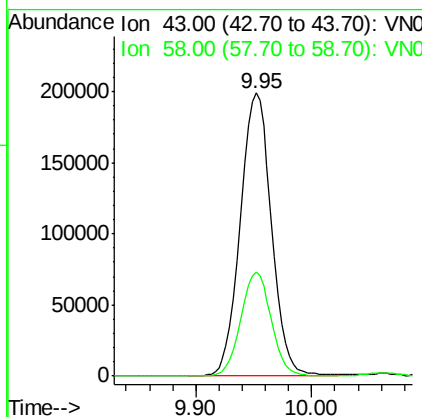
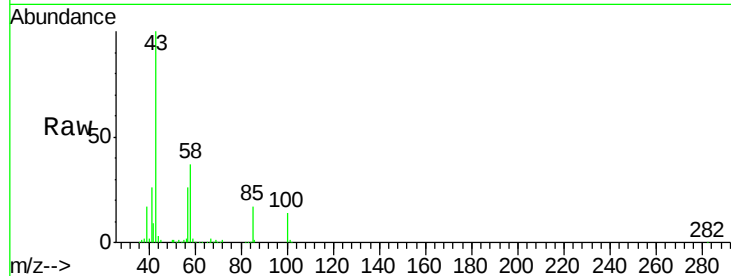
#51
4-Methyl-2-Pentanone
Concen: 91.167 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion	43	Resp	370018
Ion Ratio	100	Lower	Upper
43	100		
58	35.9	28.6	42.8

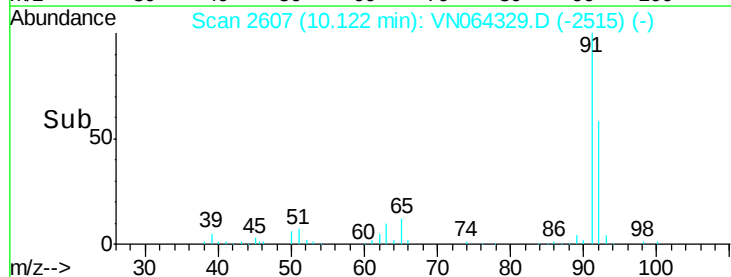
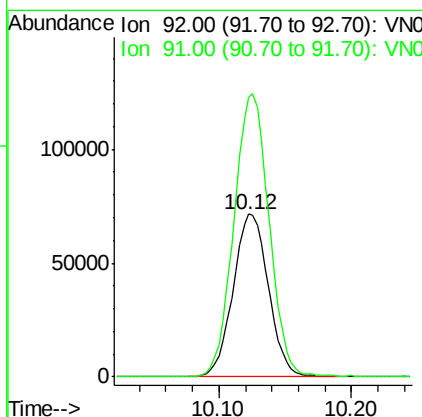
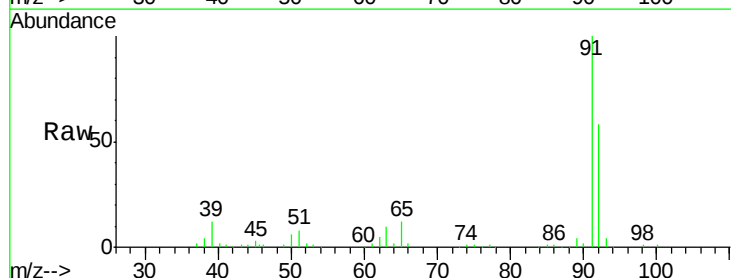
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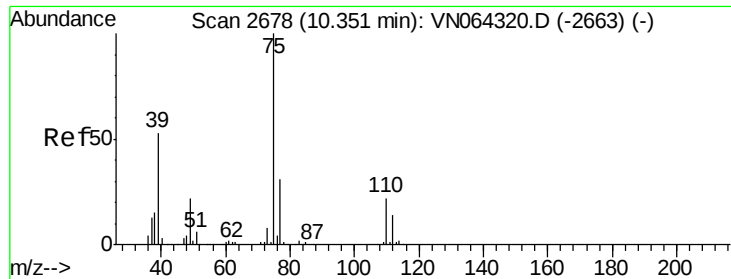
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#52
Toluene
Concen: 18.612 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion	92	Resp	132196
Ion Ratio	100	Lower	Upper
92	100		
91	173.4	139.9	209.9





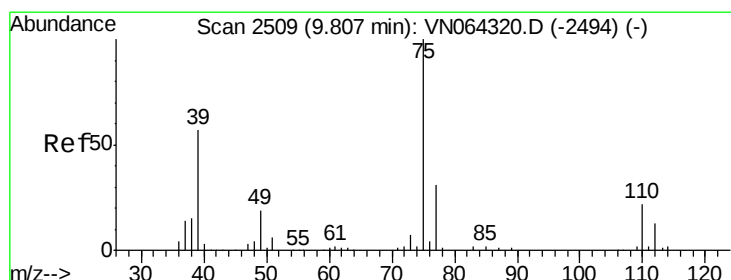
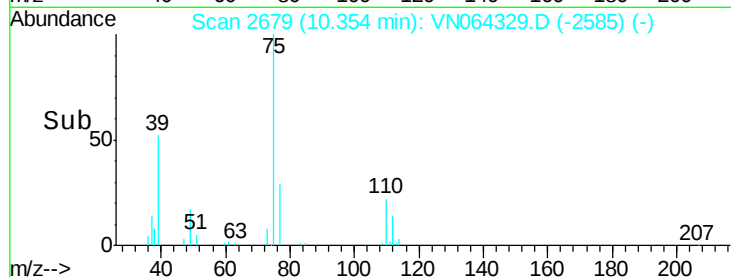
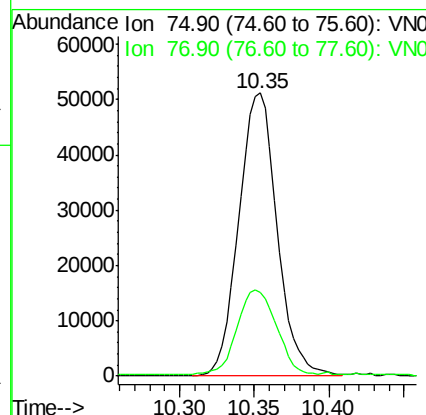
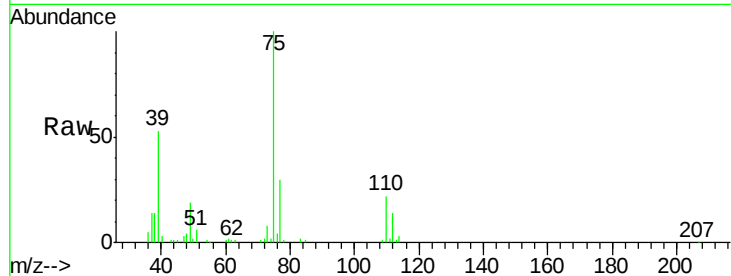
#53
t-1,3-Dichloropropene
Concen: 18.507 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion: 75 Resp: 91443
Ion Ratio Lower Upper
75 100
77 29.0 24.8 37.2

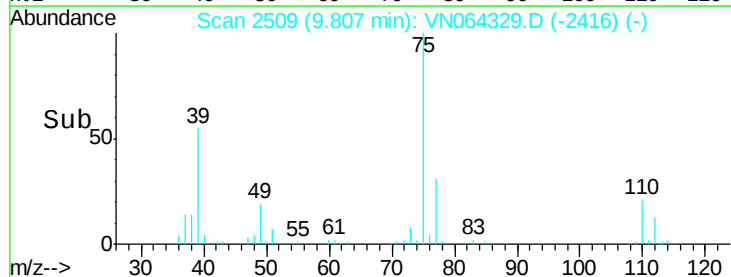
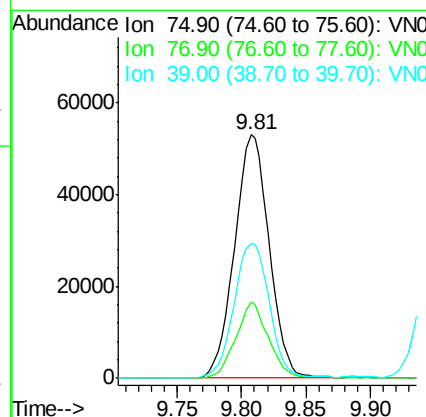
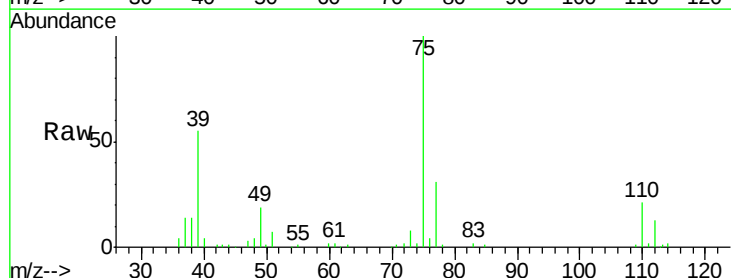
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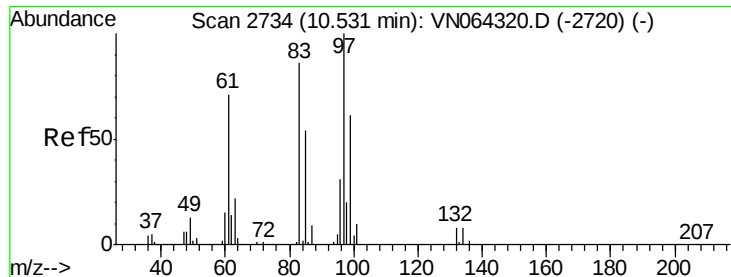
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.463 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion: 75 Resp: 98997
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.4
39 55.2 45.5 68.3





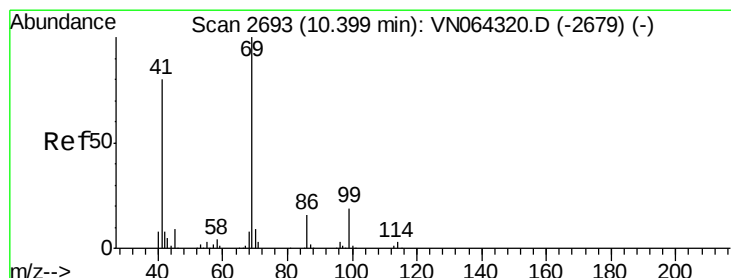
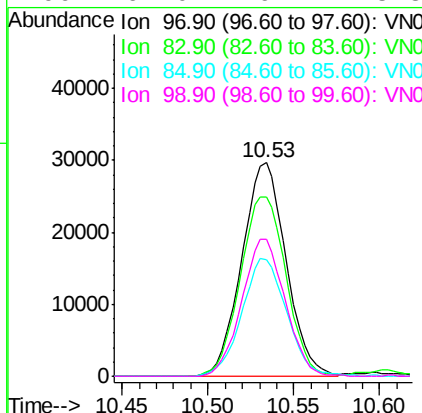
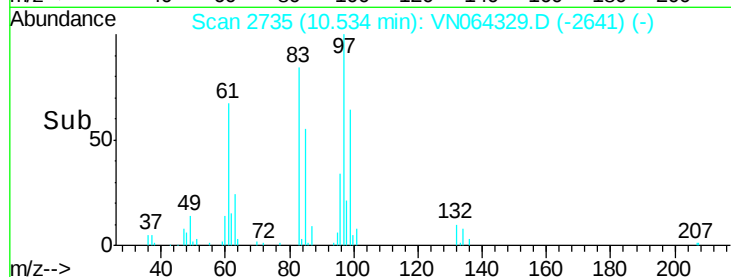
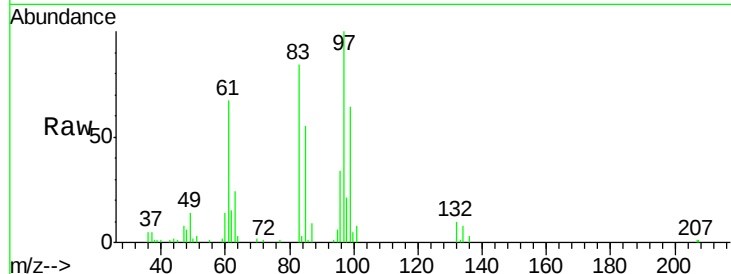
#55
 1,1,2-Trichloroethane
 Concen: 18.881 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBS01

Tot Ion:	97	Resp:	52936
Ion	Ratio	Lower	Upper
97	100		
83	83.7	68.9	103.3
85	54.7	43.6	65.4
99	64.0	49.2	73.8

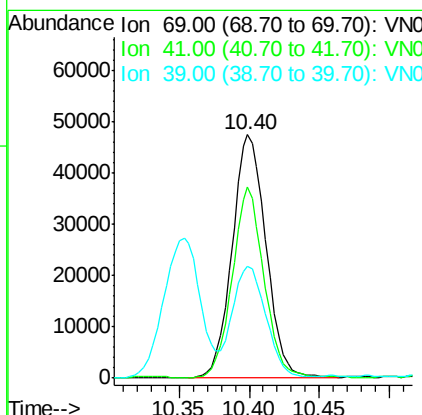
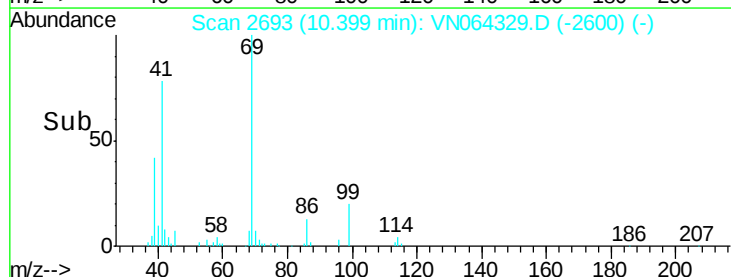
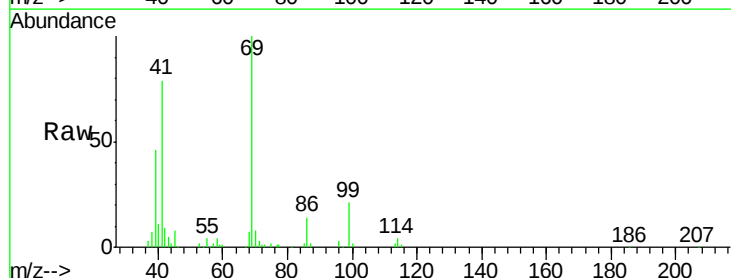
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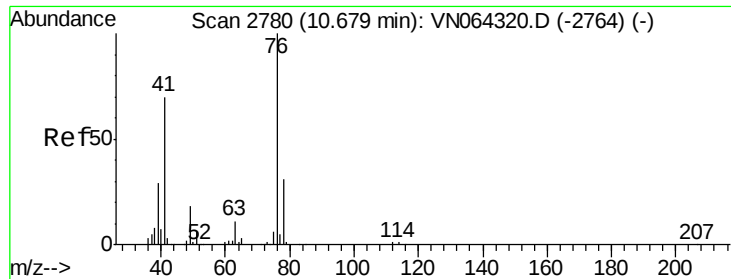
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#56
 Ethyl methacrylate
 Concen: 18.868 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Tgt Ion:	69	Resp:	80076
Ion	Ratio	Lower	Upper
69	100		
41	73.2	61.4	92.2
39	45.3	36.5	54.7





#57

1,3-Dichloropropane

Concen: 19.130 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion: 76 Resp: 91493

Ion Ratio Lower Upper

76 100

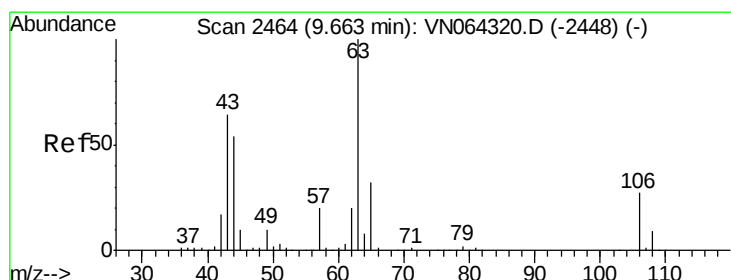
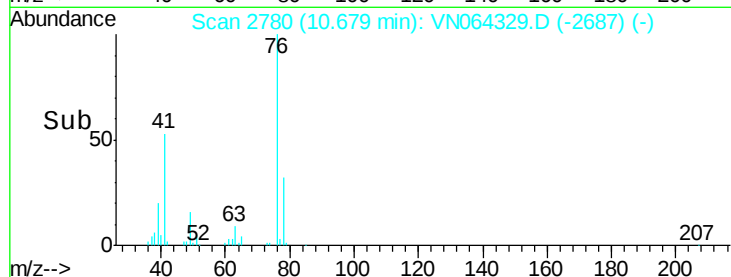
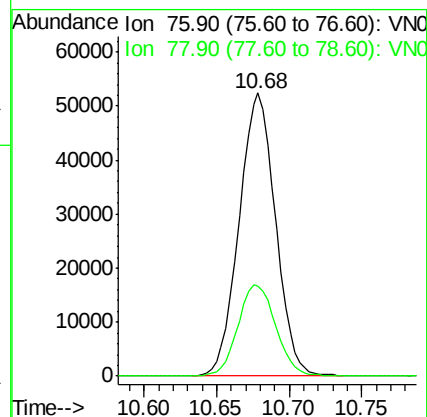
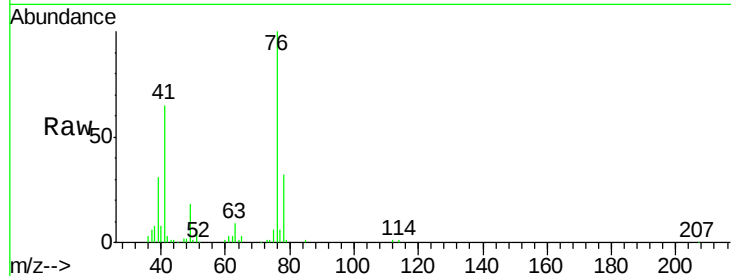
78 33.6 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 83.198 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064329.D

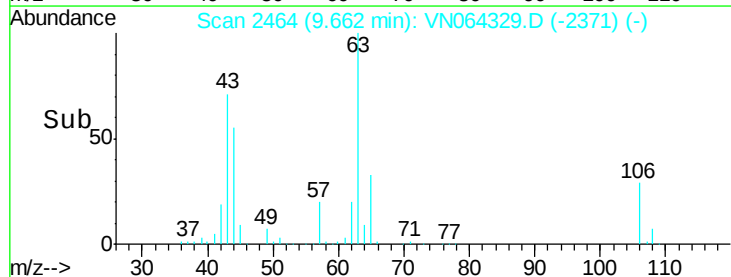
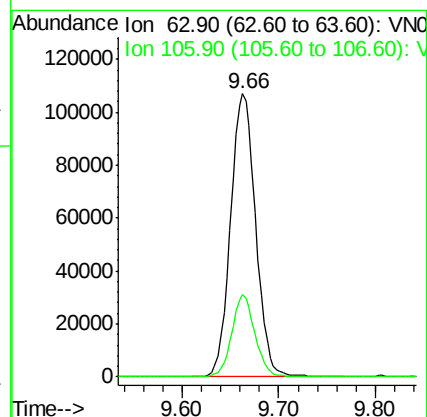
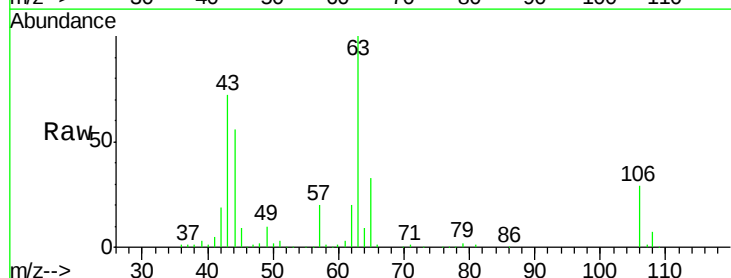
Acq: 27 Oct 2020 16:28

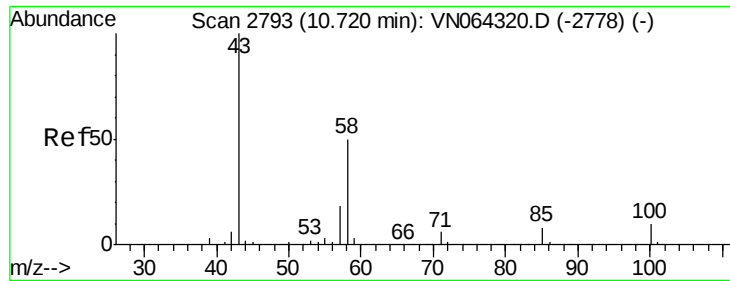
Tgt Ion: 63 Resp: 192683

Ion Ratio Lower Upper

63 100

106 26.7 21.0 31.4





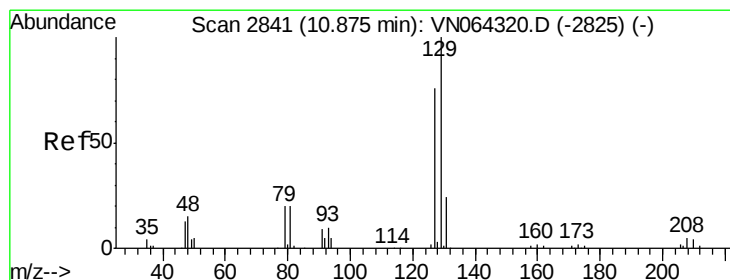
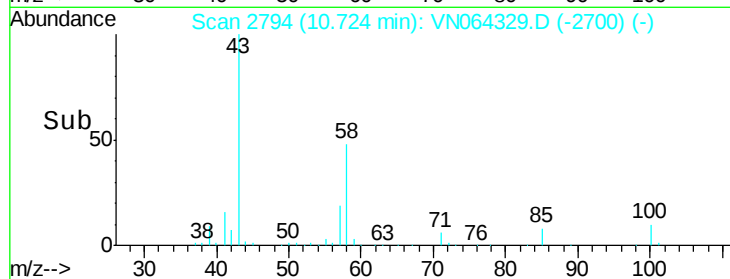
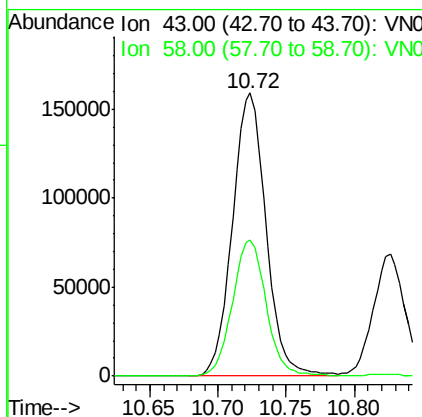
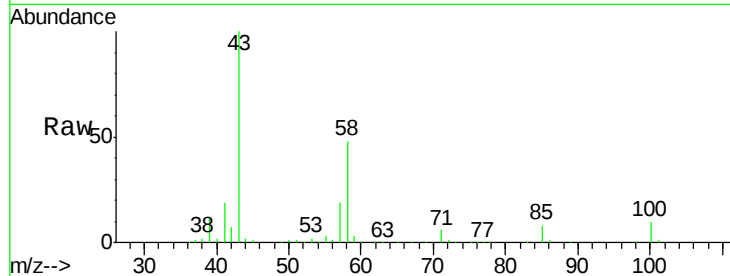
#59
2-Hexanone
Concen: 90.245 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion	43	Resp	269761
Ion Ratio	100	Lower	Upper
43	100		
58	48.7	25.0	75.0

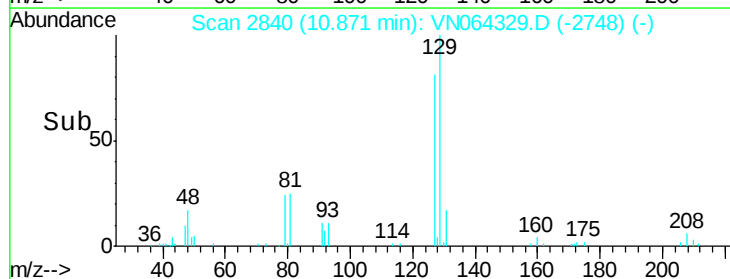
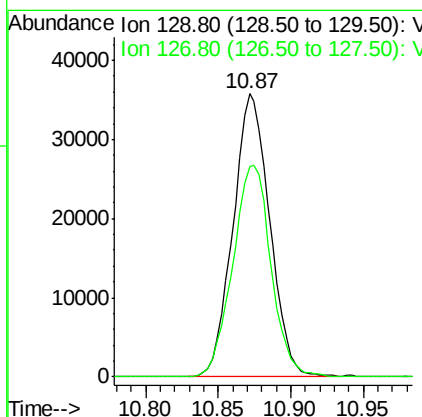
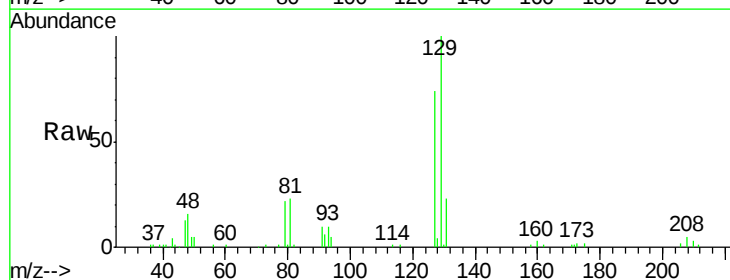
Manual Integrations
APPROVED

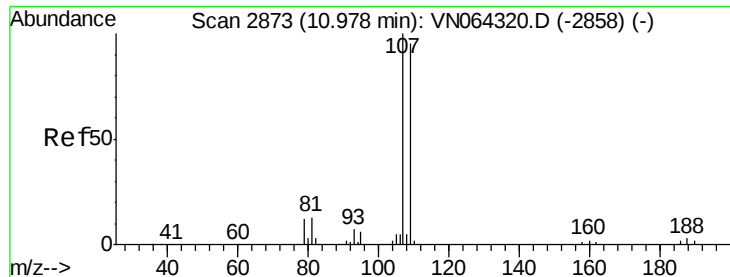
MMDadoda
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#60
Dibromochloromethane
Concen: 18.981 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion	129	Resp	62921
Ion Ratio	100	Lower	Upper
129	100		
127	77.8	38.5	115.3





#61

1,2-Dibromoethane

Concen: 19.809 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion: 107 Resp: 56588

Ion Ratio Lower Upper

107 100

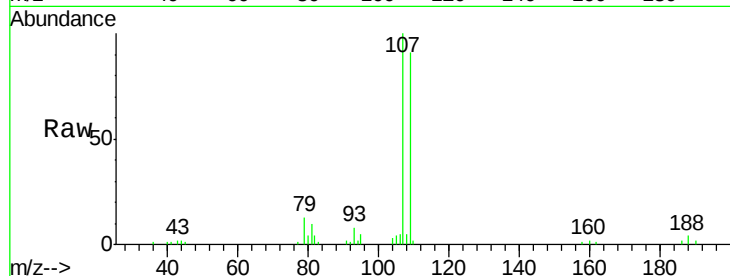
109 94.5 75.8 113.8

Manual Integrations

APPROVED

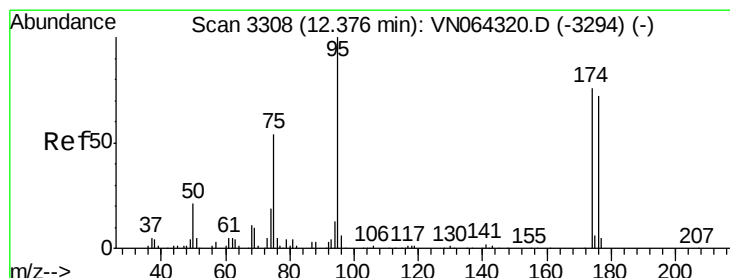
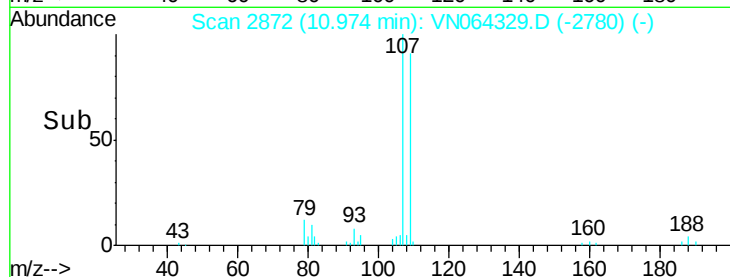
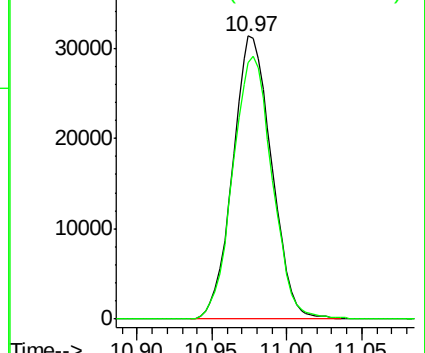
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.337 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

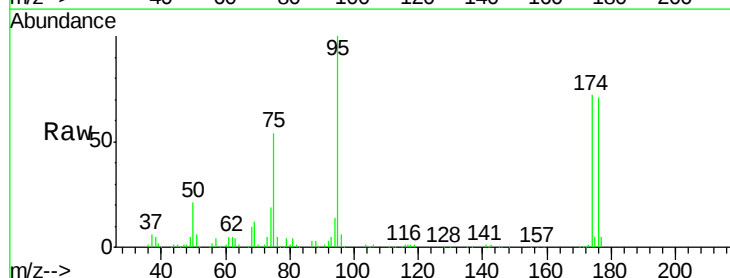
Tgt Ion: 95 Resp: 186266

Ion Ratio Lower Upper

95 100

174 72.5 0.0 147.4

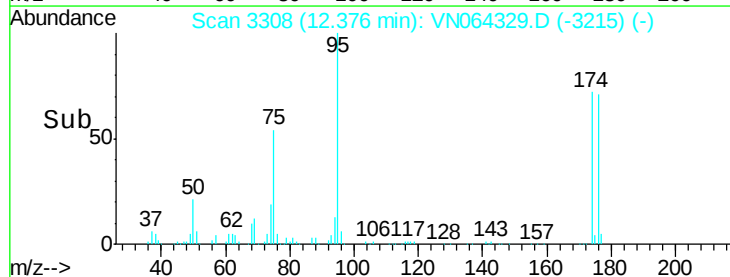
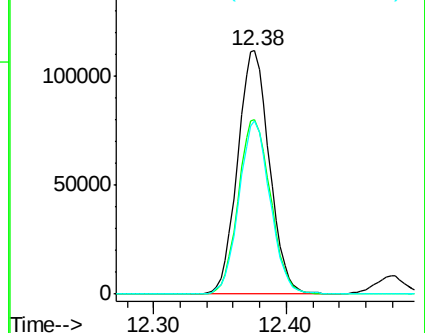
176 69.7 0.0 143.6

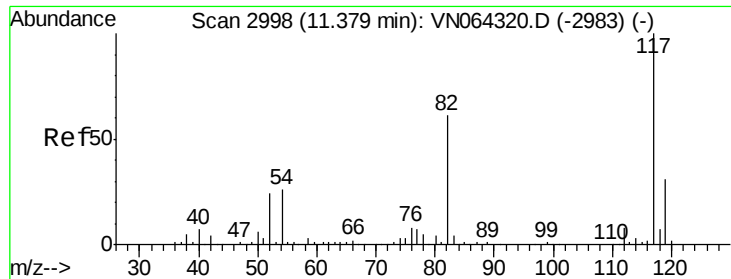


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





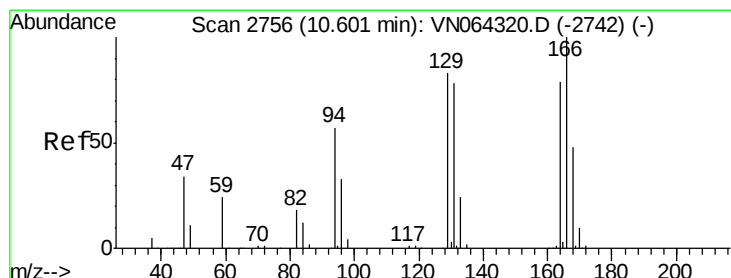
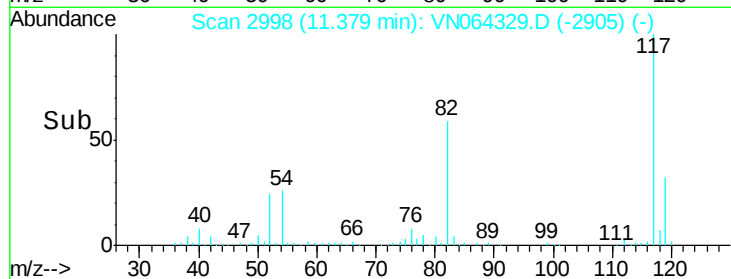
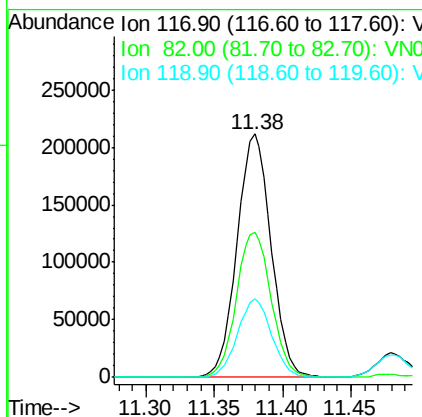
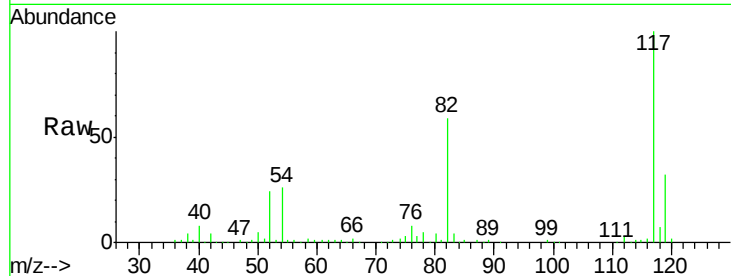
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	48.8	73.2
119	32.2	25.1	37.7

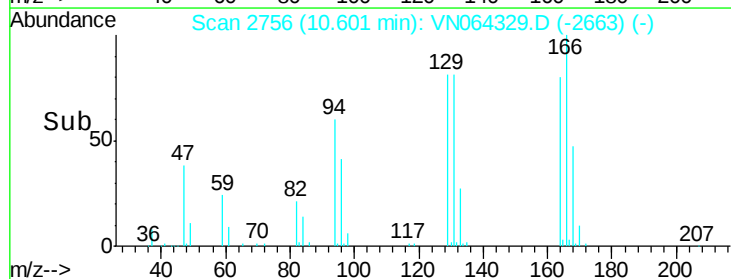
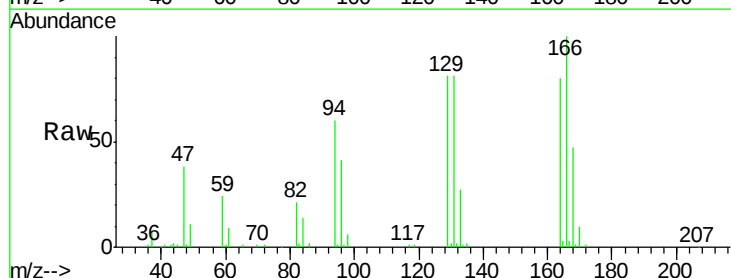
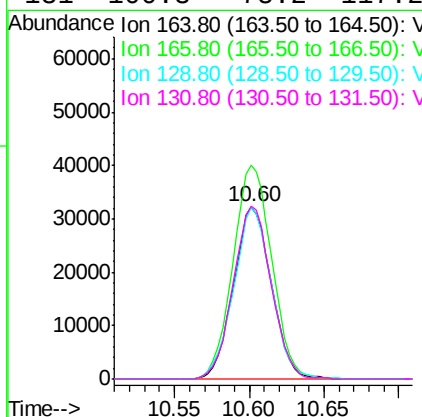
Manual Integrations
APPROVED

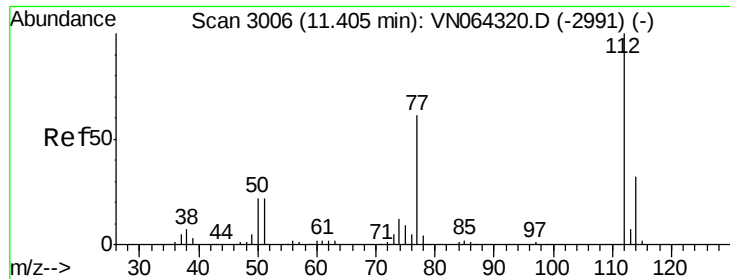
MMDadoda
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#64
Tetrachloroethene
Concen: 18.791 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.7	151.1
129	100.1	83.7	125.5
131	100.3	78.2	117.2





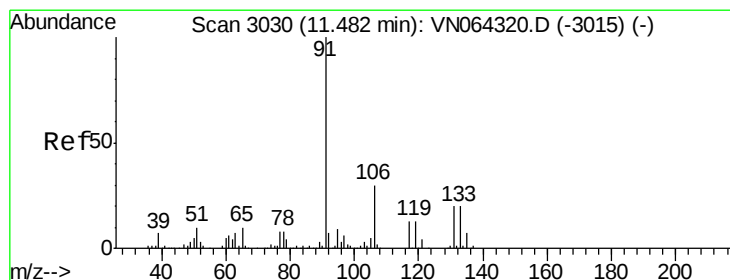
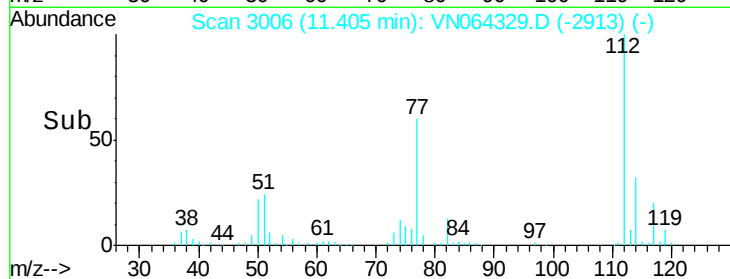
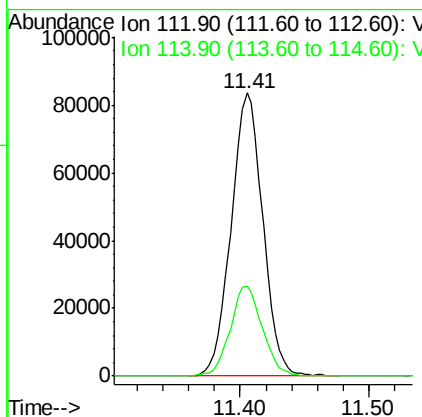
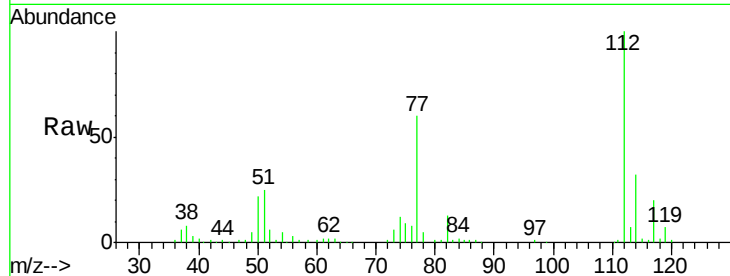
#65
Chlorobenzene
Concen: 19.206 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion:112 Resp: 142572
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0

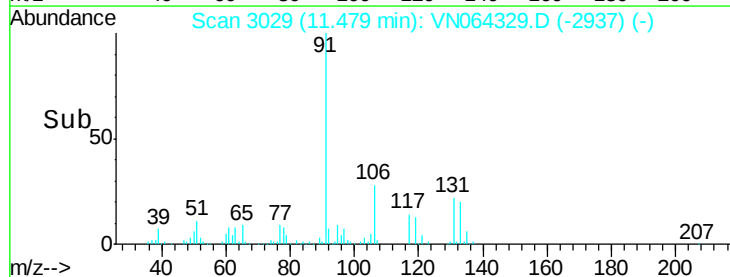
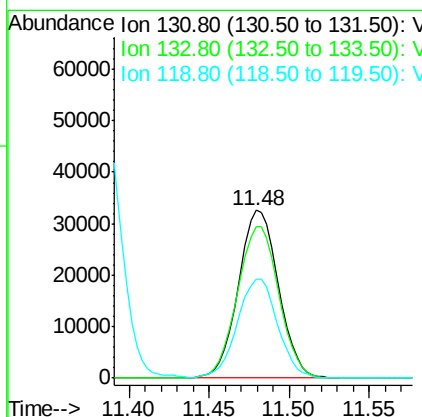
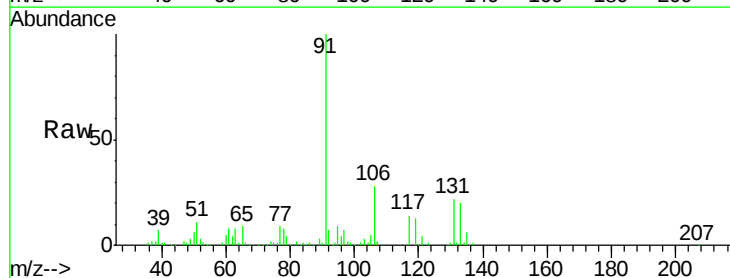
Manual Integrations
APPROVED

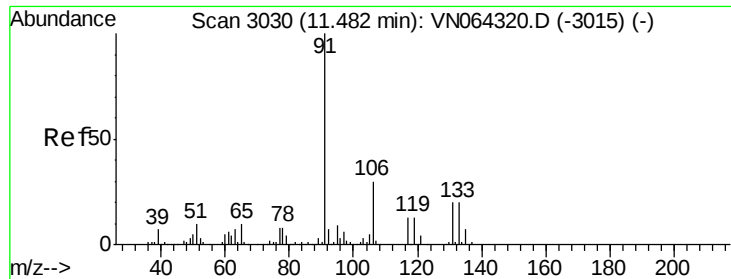
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.615 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion:131 Resp: 55852
Ion Ratio Lower Upper
131 100
133 93.3 49.3 147.8
119 59.6 32.3 96.9





#67

Ethyl Benzene

Concen: 19.177 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion: 91 Resp: 264658

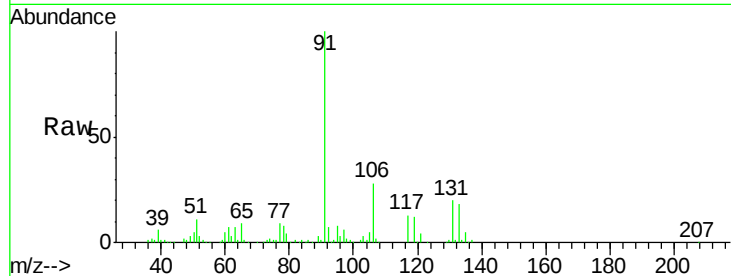
Ion Ratio Lower Upper

91 100

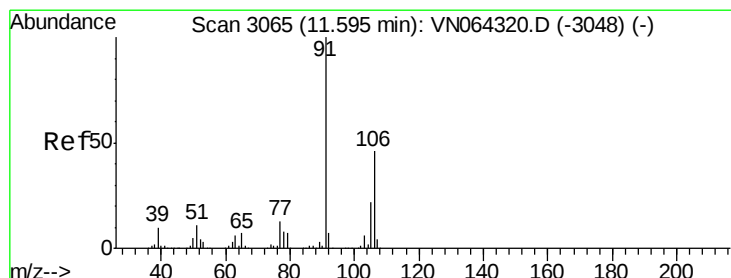
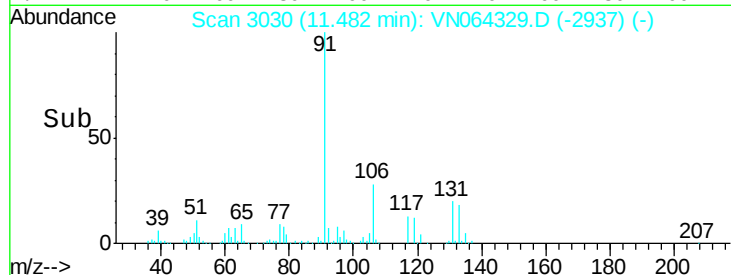
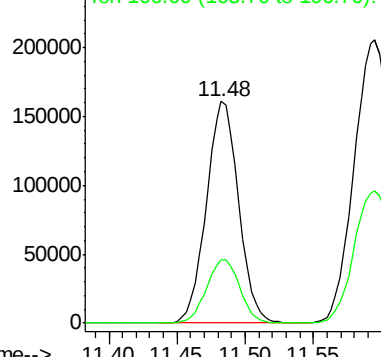
106 28.4 23.7 35.5

Manual Integrations
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN064320.D (-3015) (-)



#68

m/p-Xylenes

Concen: 37.534 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064329.D

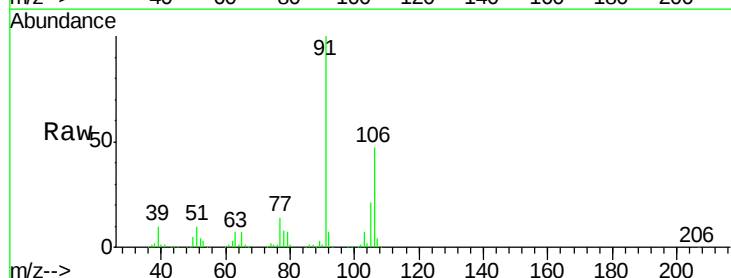
Acq: 27 Oct 2020 16:28

Tgt Ion: 106 Resp: 191967

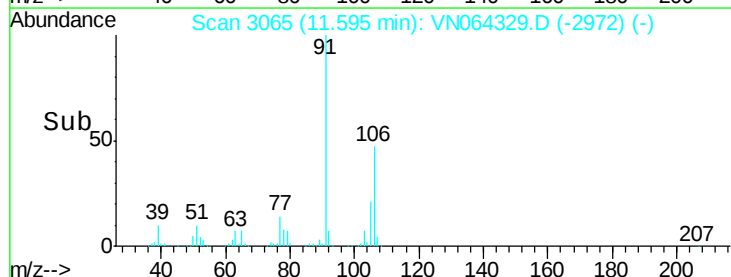
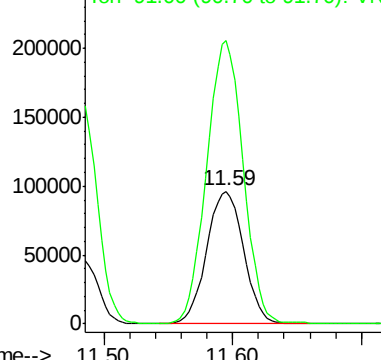
Ion Ratio Lower Upper

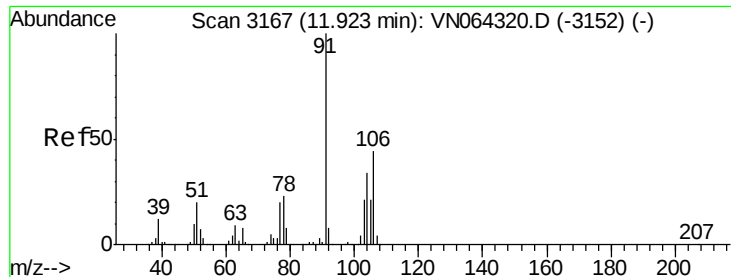
106 100

91 209.6 170.2 255.4



Abundance Ion 106.00 (105.70 to 106.70): VN064320.D (-3048) (-)





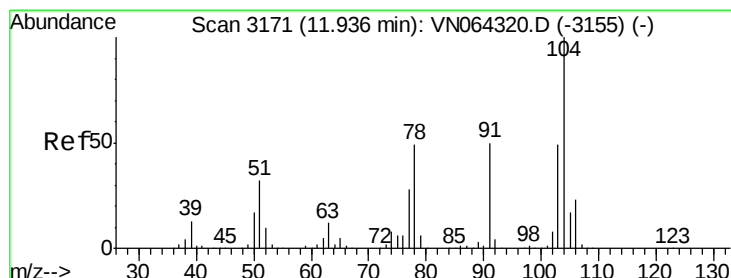
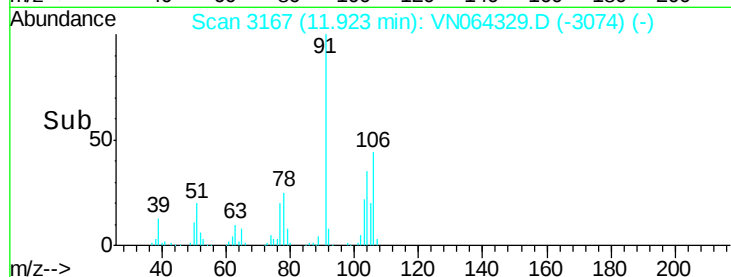
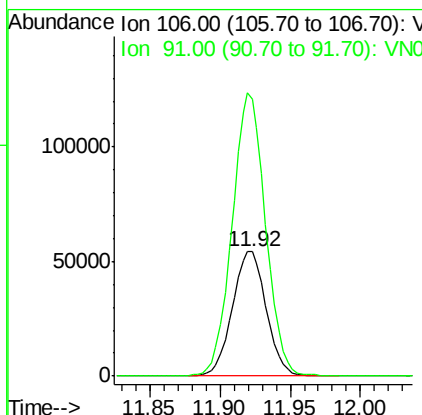
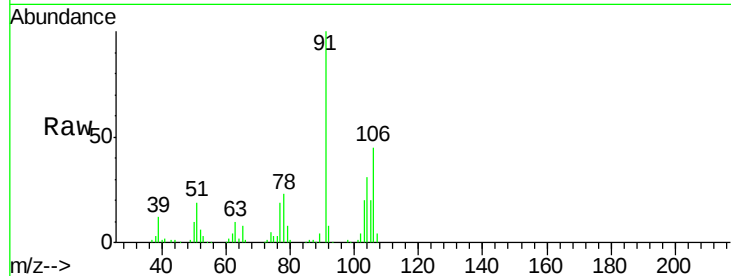
#69
o-Xylene
Concen: 18.560 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampled :
VN1027WBS01

Tot Ion:106 Resp: 91450
Ion Ratio Lower Upper
106 100
91 223.1 114.5 343.5

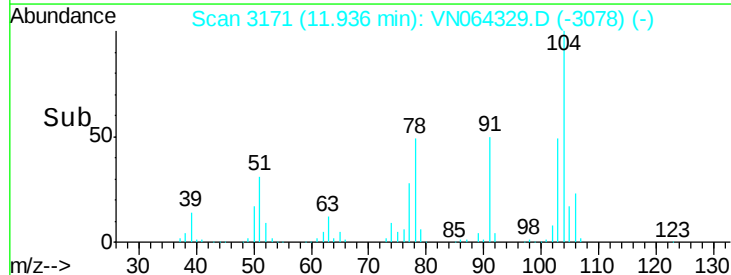
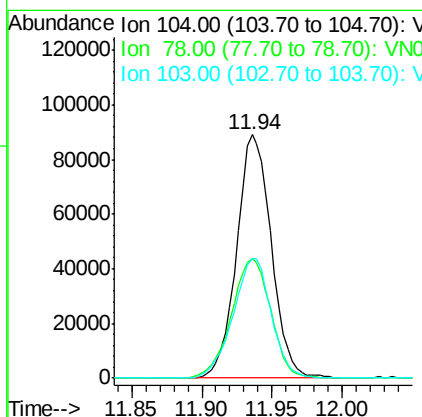
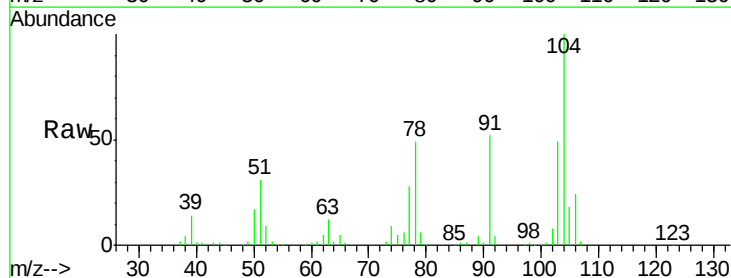
Manual Integrations
APPROVED

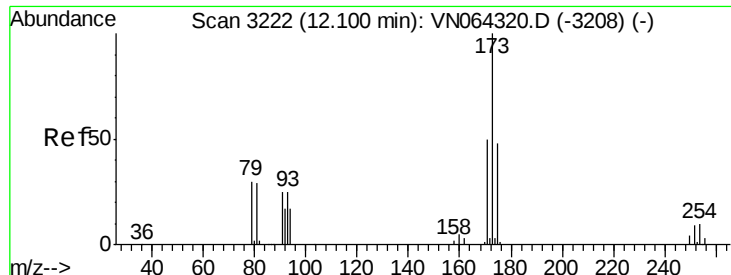
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#70
Styrene
Concen: 19.017 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion:104 Resp: 153636
Ion Ratio Lower Upper
104 100
78 55.4 43.7 65.5
103 54.1 43.3 64.9





#71

Bromoform

Concen: 17.752 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion:173 Resp: 41804

Ion Ratio Lower Upper

173 100

175 48.7 25.4 76.0

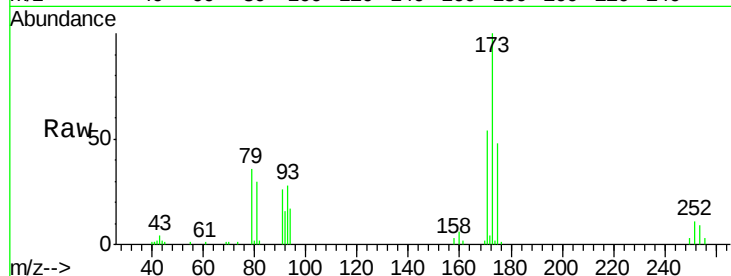
254 0.0 0.0 0.0

Manual Integrations

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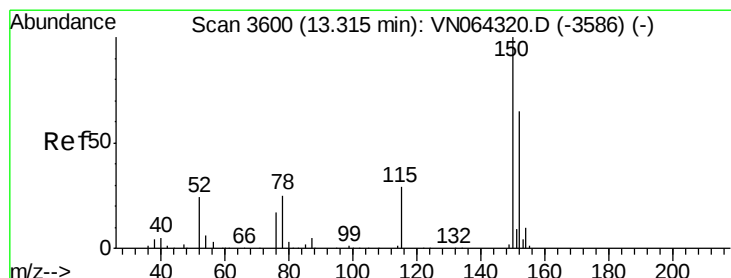
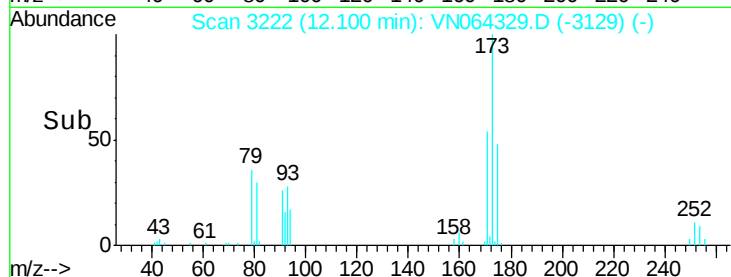
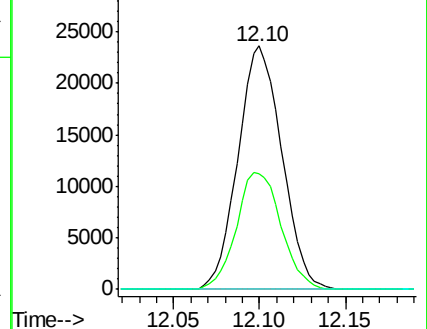
10/28/2020 12:36:09 PM



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: VN064329.D

Acq: 27 Oct 2020 16:28

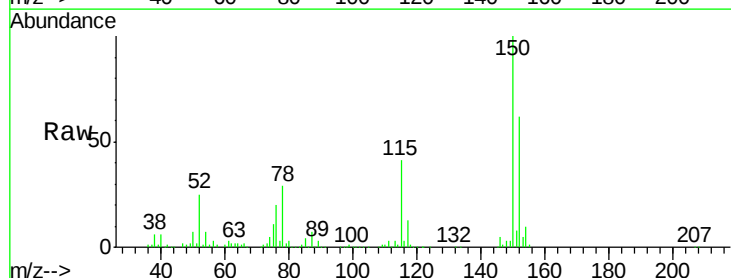
Tgt Ion:152 Resp: 169282

Ion Ratio Lower Upper

152 100

115 65.4 31.5 94.5

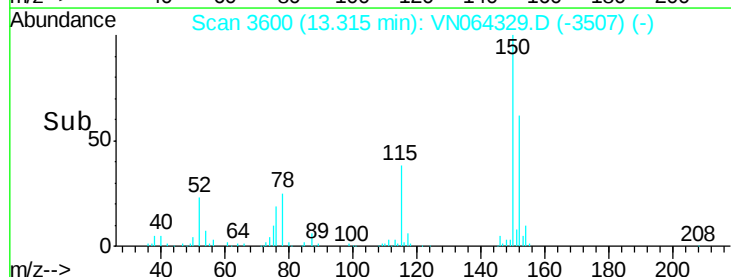
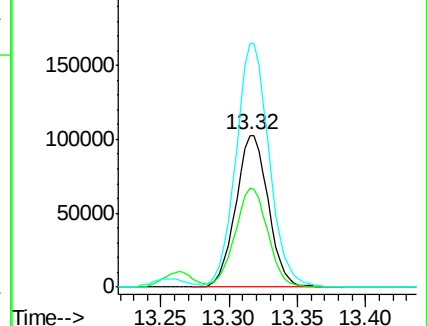
150 164.2 0.0 346.2

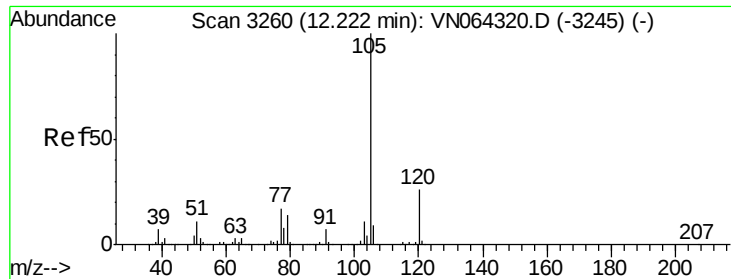


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.277 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion:105 Resp: 244403

Ion Ratio Lower Upper

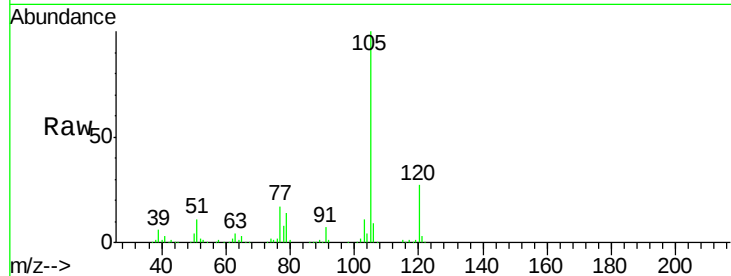
105 100

120 25.8 13.2 39.5

Manual Integrations
APPROVED

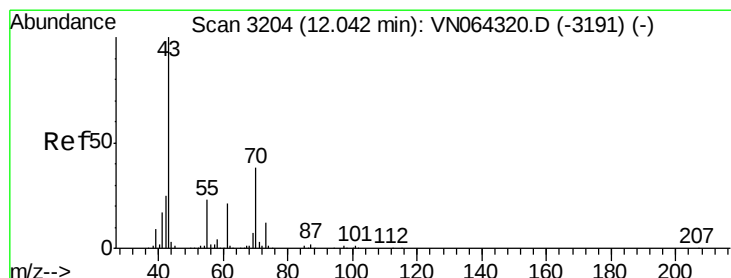
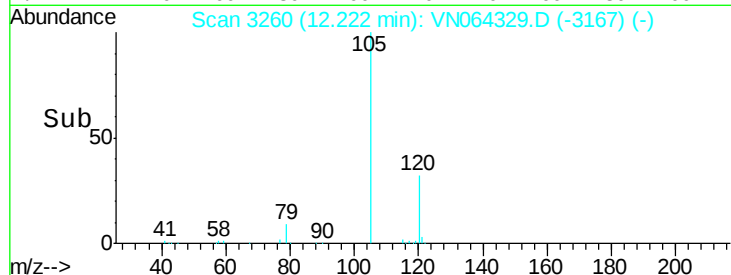
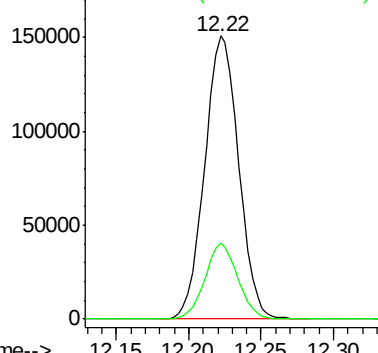
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.711 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Tgt Ion: 43 Resp: 104418

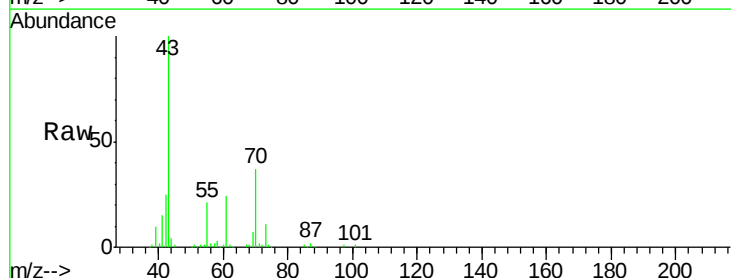
Ion Ratio Lower Upper

43 100

70 38.1 30.6 45.8

55 23.0 18.2 27.4

61 23.6 17.6 26.4

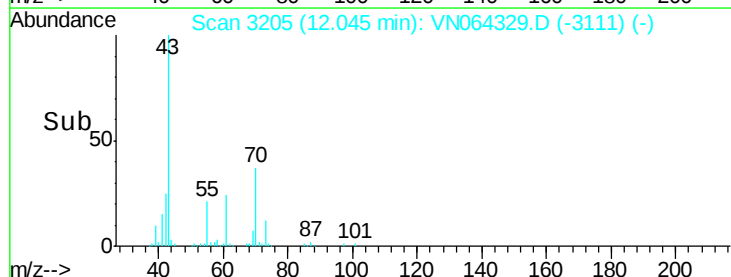
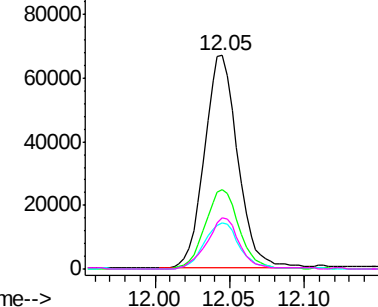


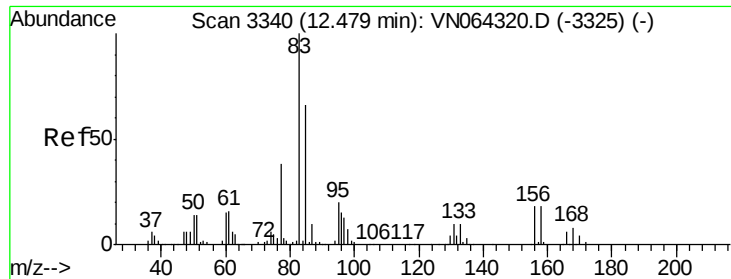
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.133 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

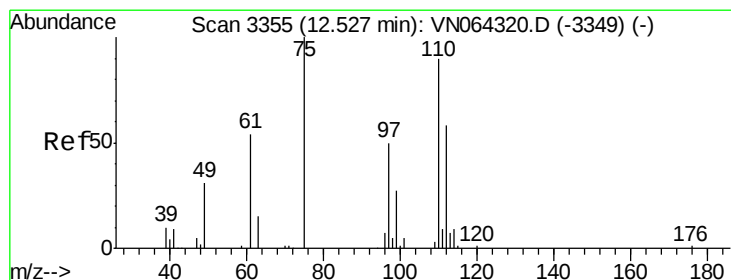
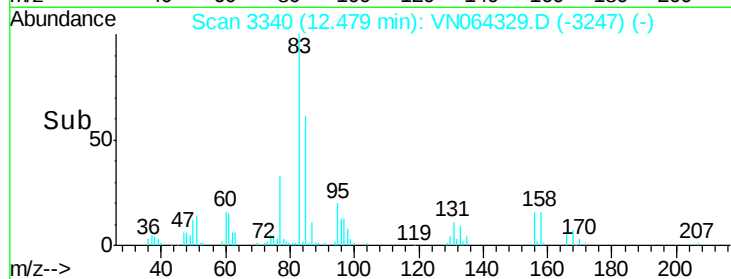
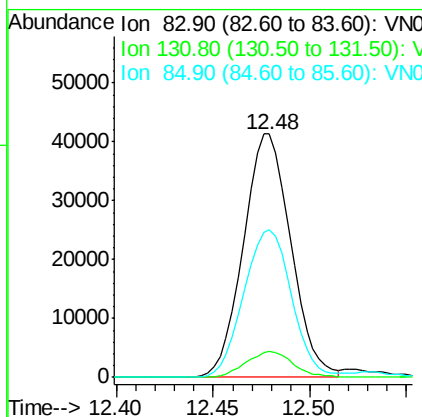
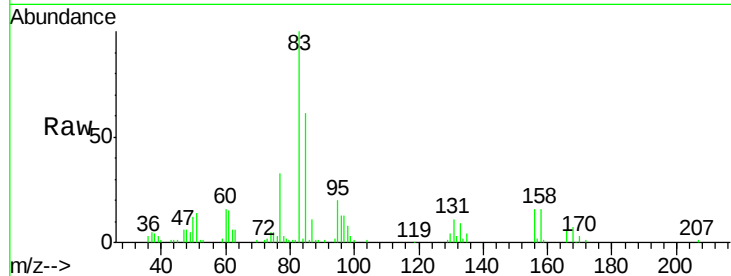
ClientSampleId :

VN1027WBS01

Tot Ion:	83	Resp:	70514
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.4	16.2
85	60.9	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.735 ug/l m

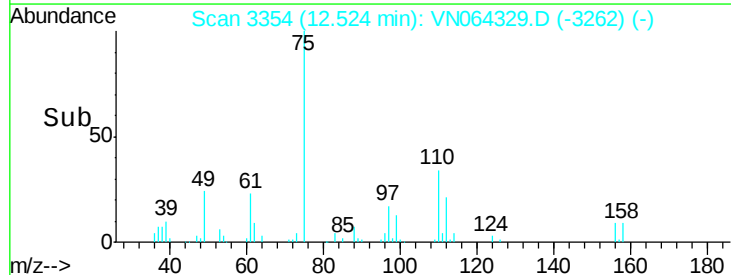
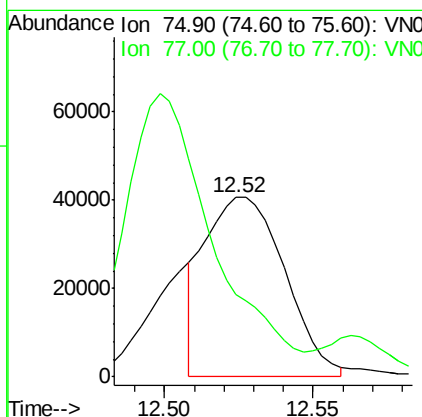
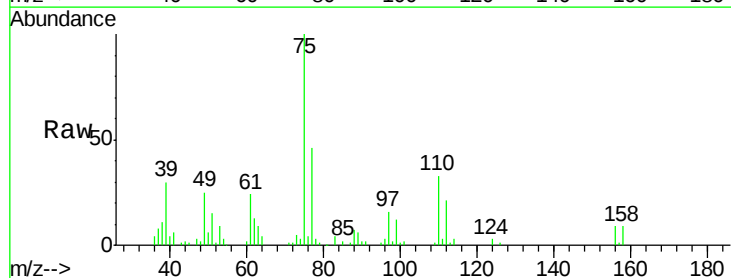
RT: 12.52 min Scan# 3354

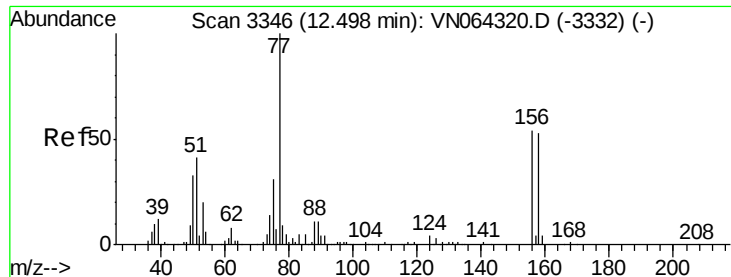
Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Tgt Ion:	75	Resp:	75948
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.209 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

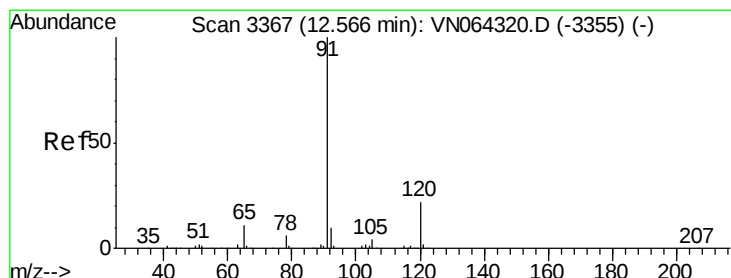
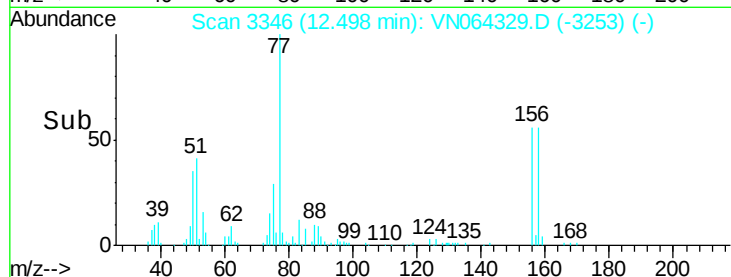
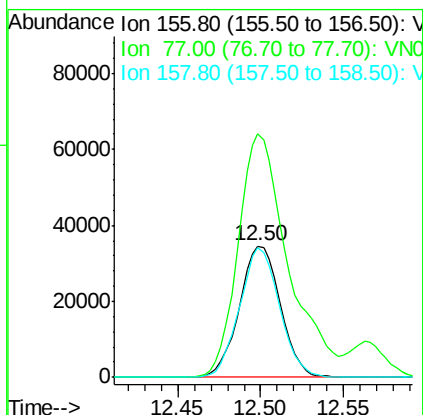
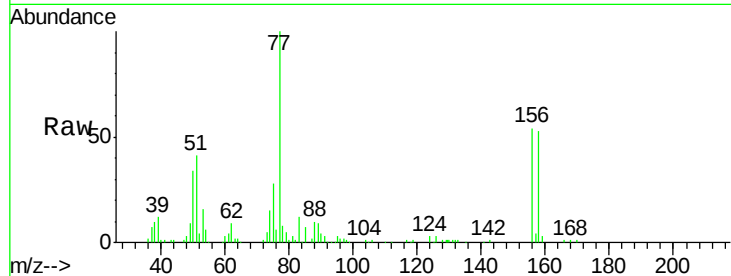
ClientSampleId :

VN1027WBS01

Tot Ion	156	Resp	59637
Ion Ratio	Lower	Upper	
156	100		
77	225.4	111.9	335.7
158	95.9	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 19.240 ug/l

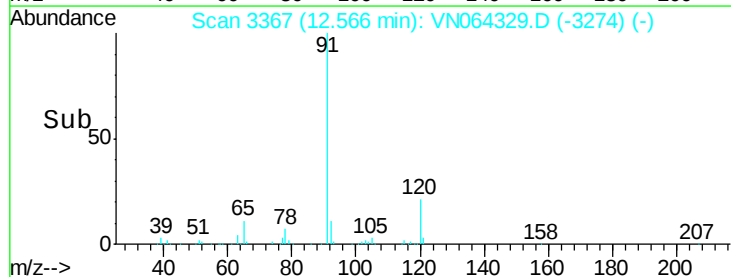
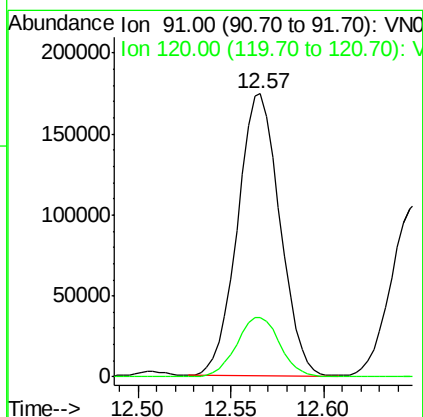
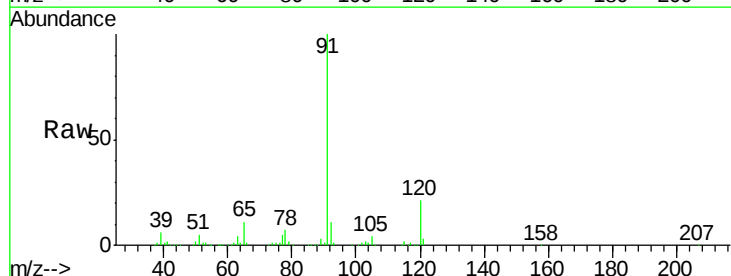
RT: 12.57 min Scan# 3367

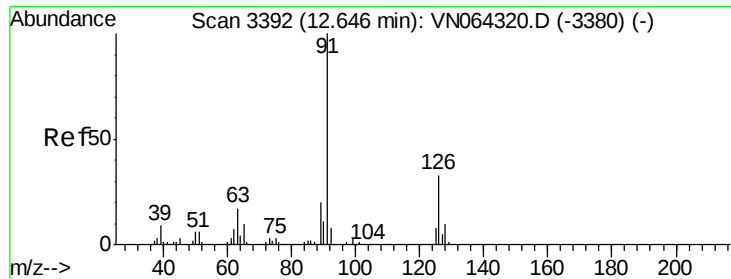
Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Tgt Ion	91	Resp	276176
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.229 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN1027WBS01

Tot Ion: 91 Resp: 176439

Ion Ratio Lower Upper

91 100

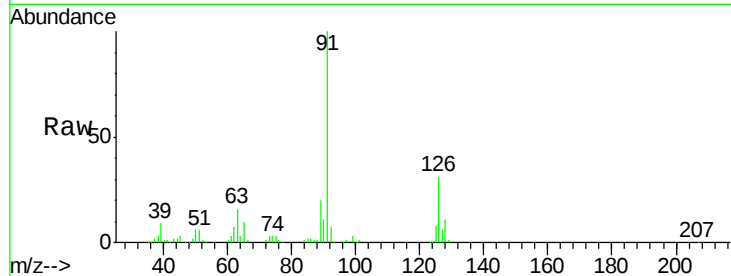
126 31.1 16.2 48.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064320.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064320.D (-3380) (-)

150000

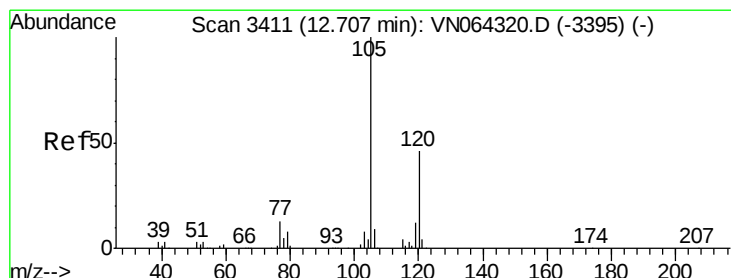
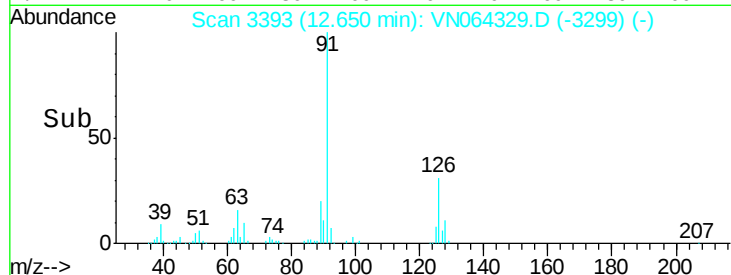
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.633 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064329.D

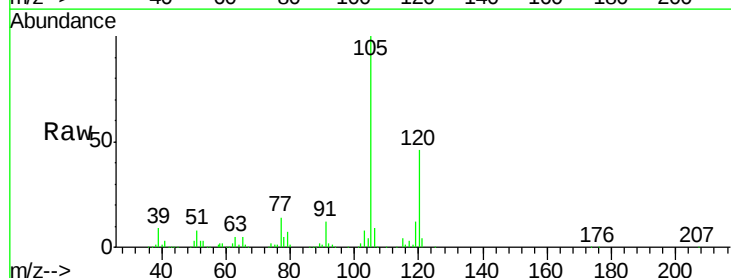
Acq: 27 Oct 2020 16:28

Tgt Ion: 105 Resp: 210629

Ion Ratio Lower Upper

105 100

120 45.1 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064320.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064320.D (-3395) (-)

150000

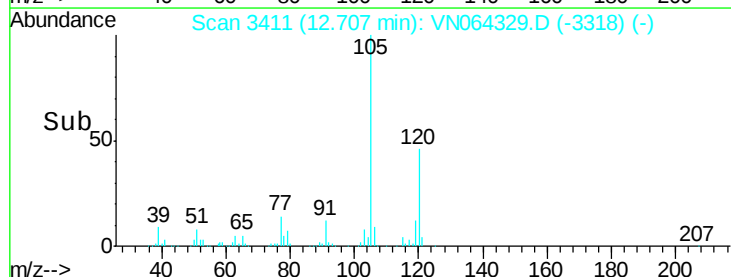
100000

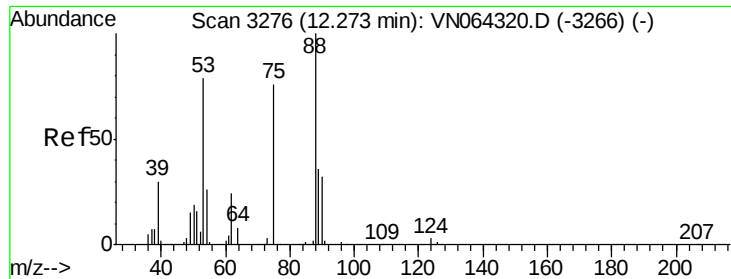
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.154 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

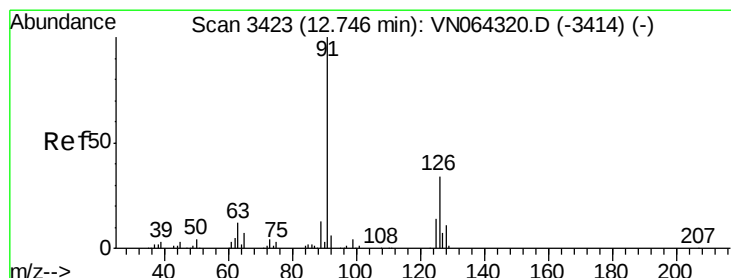
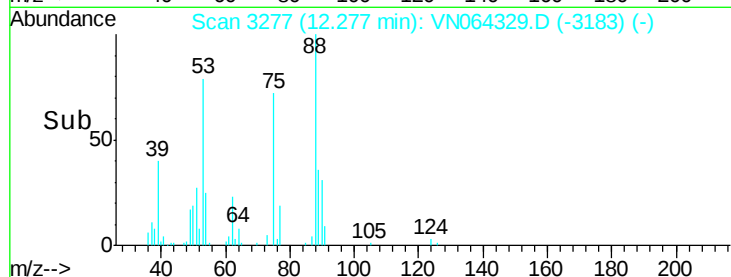
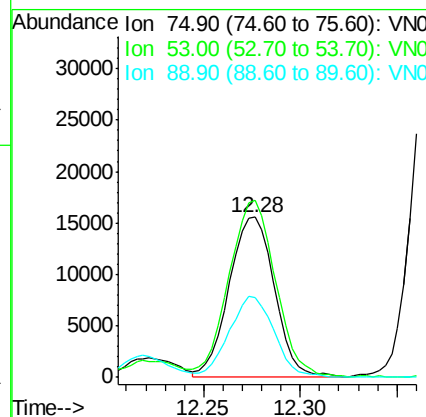
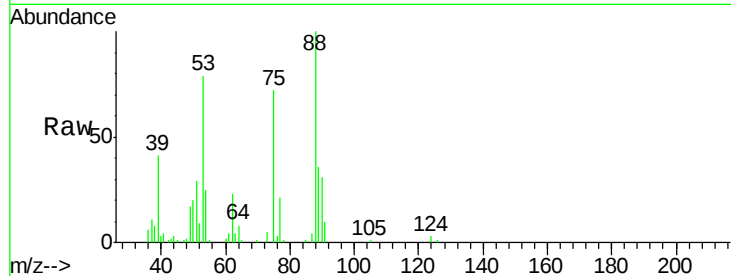
ClientSampleId :

VN1027WBS01

Tot Ion:	75	Resp:	25548
Ion Ratio	Lower	Upper	
75	100		
53	114.1	81.8	122.8
89	49.8	39.9	59.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.666 ug/l

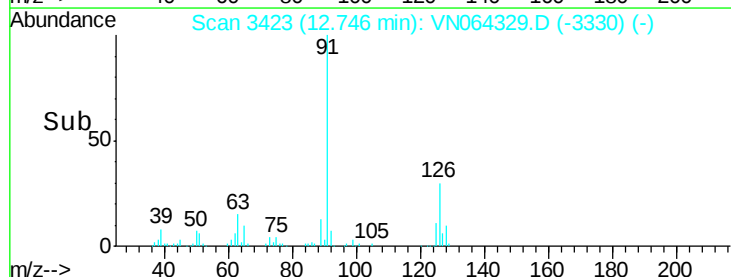
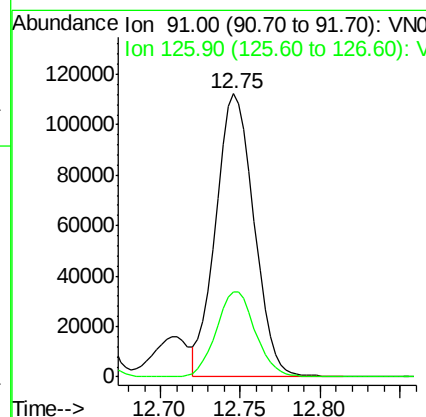
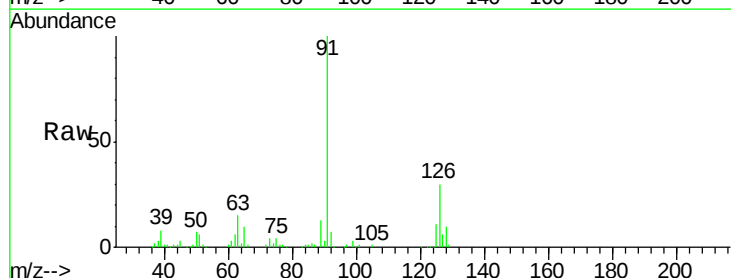
RT: 12.75 min Scan# 3423

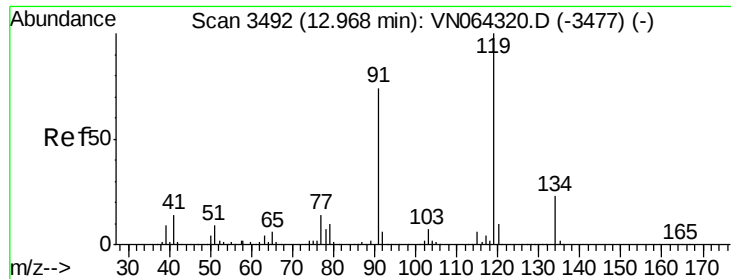
Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Tgt Ion:	91	Resp:	183834
Ion Ratio	Lower	Upper	
91	100		
126	31.2	15.8	47.3





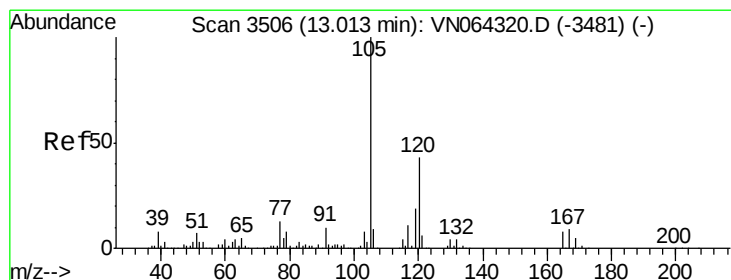
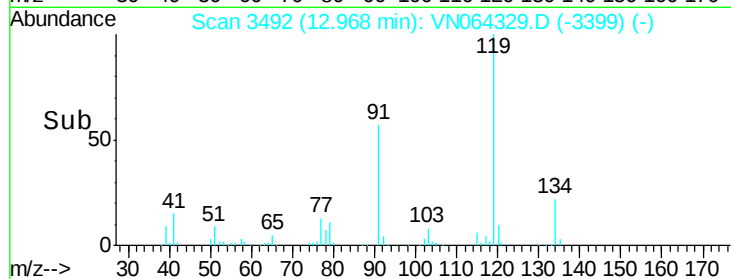
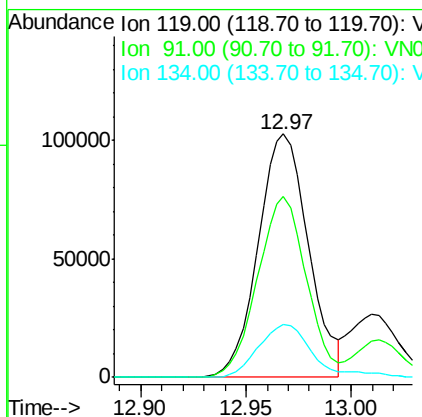
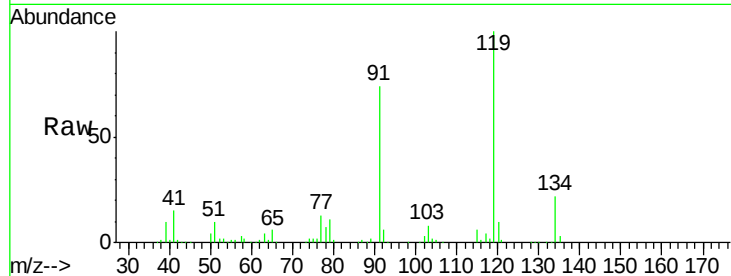
#83
tert-Butylbenzene
Concen: 19.379 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	170601		
91	71.8	36.4	109.1	
134	23.6	12.0	36.1	

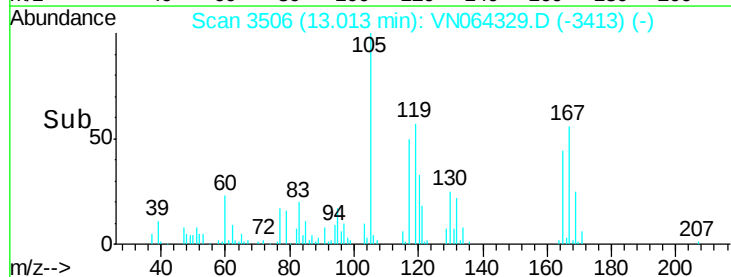
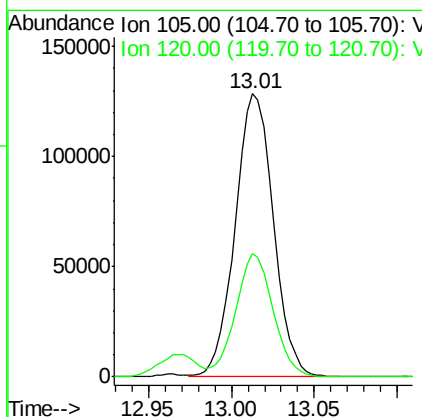
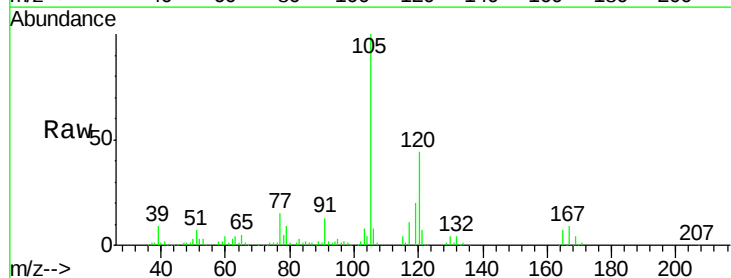
Manual Integrations
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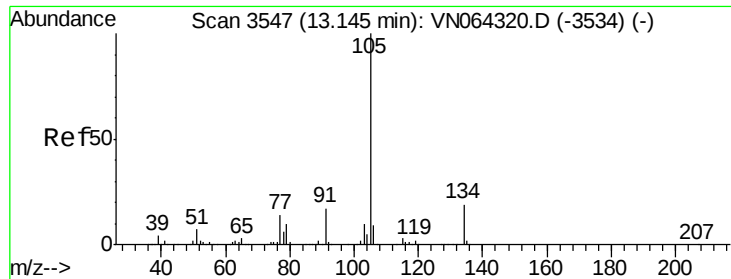
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#84
1,2,4-Trimethylbenzene
Concen: 19.097 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	204710		
120	43.0	21.3	64.0	





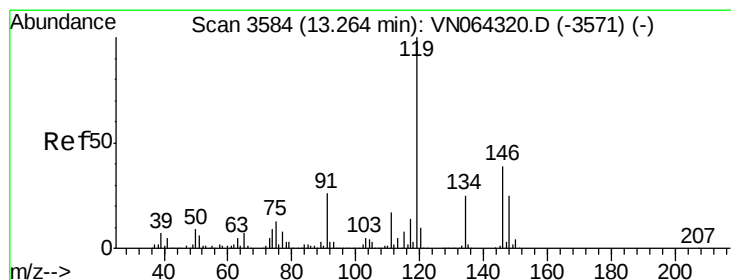
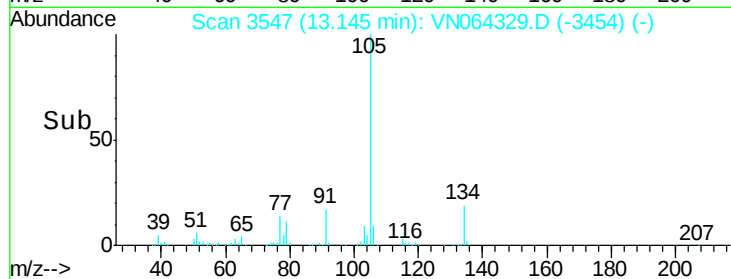
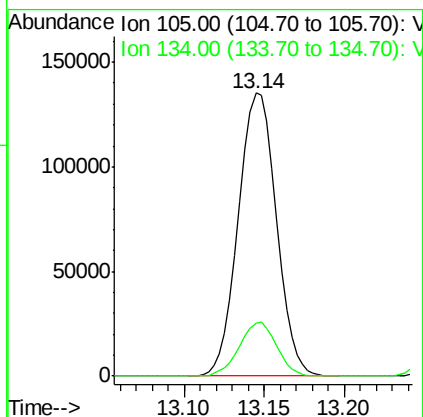
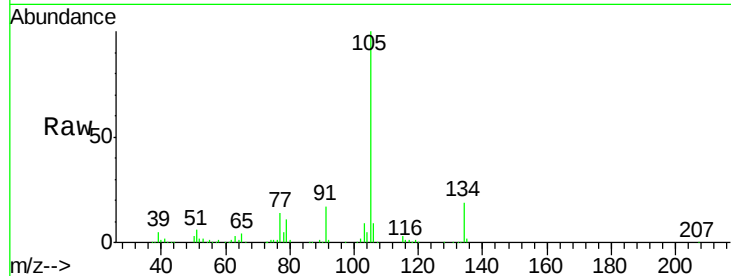
#85
 sec-Butylbenzene
 Concen: 19.167 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.6	28.8

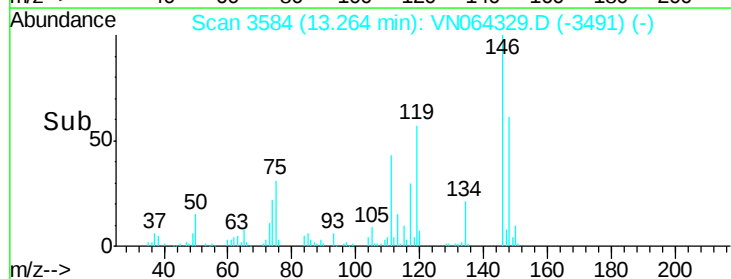
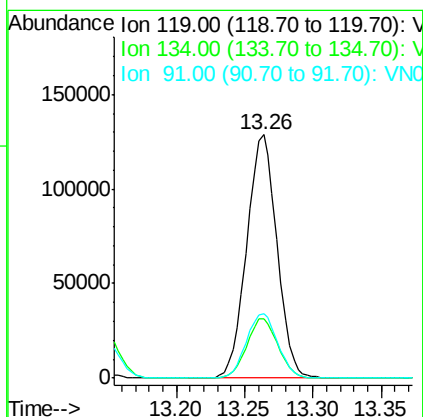
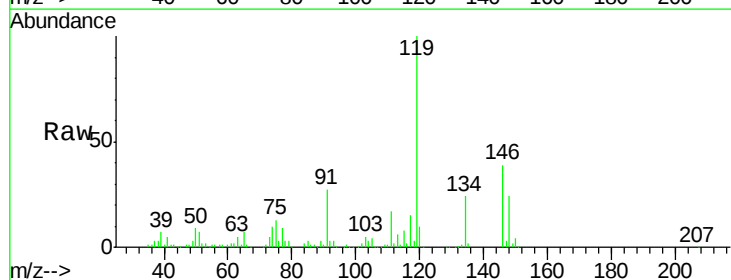
Manual Integrations
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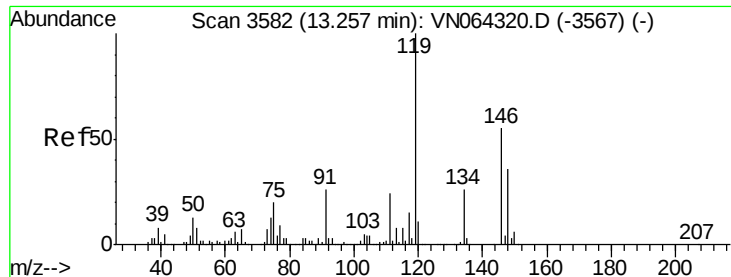
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#86
 p-Isopropyltoluene
 Concen: 19.314 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.8	38.4
91	27.6	13.0	38.9





#87

1,3-Dichlorobenzene

Concen: 19.017 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Instrument :

MSVOA_N

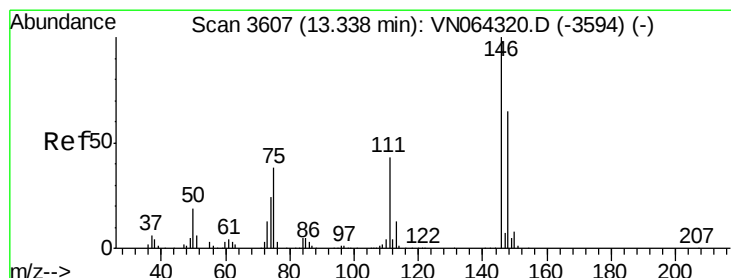
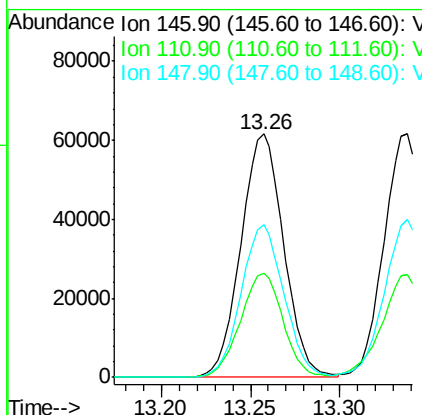
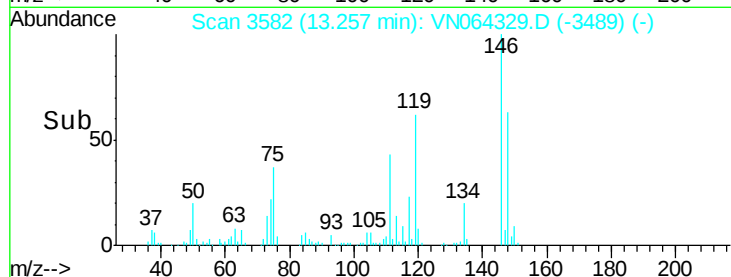
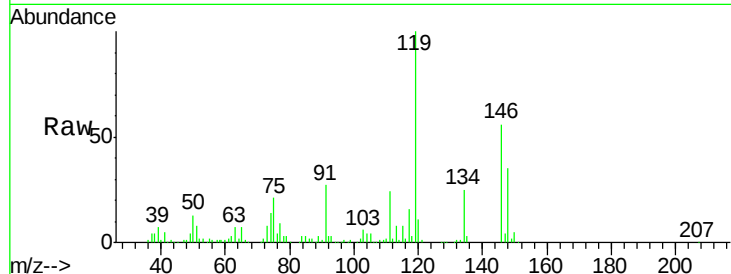
ClientSampleId :

VN1027WBS01

Tot Ion:	146	Resp:	103359
Ion Ratio	Lower	Upper	
146	100		
111	42.5	21.9	65.5
148	62.8	32.6	98.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.196 ug/l

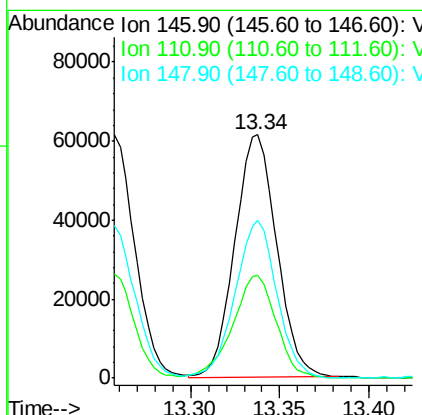
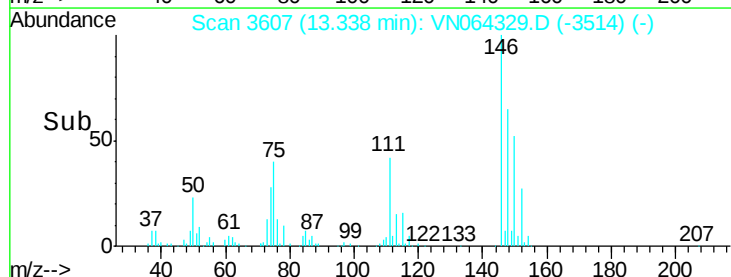
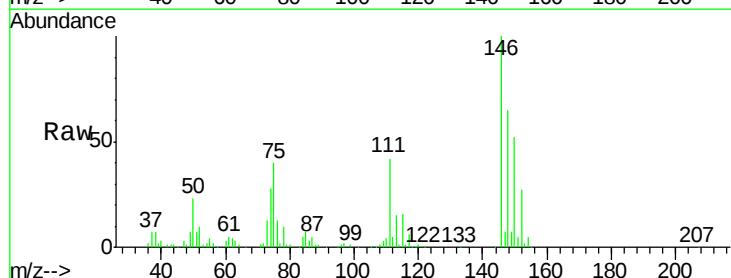
RT: 13.34 min Scan# 3607

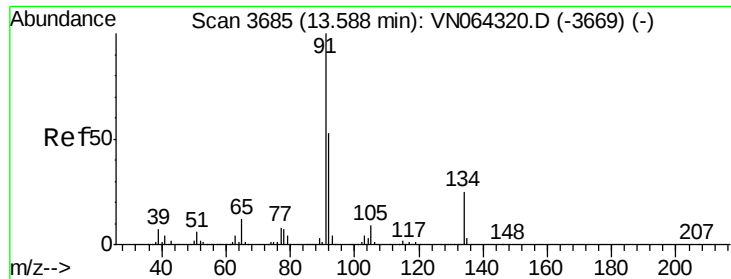
Delta R.T. -0.00 min

Lab File: VN064329.D

Acq: 27 Oct 2020 16:28

Tgt Ion:	146	Resp:	100727
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.8	65.4
148	65.1	31.8	95.3





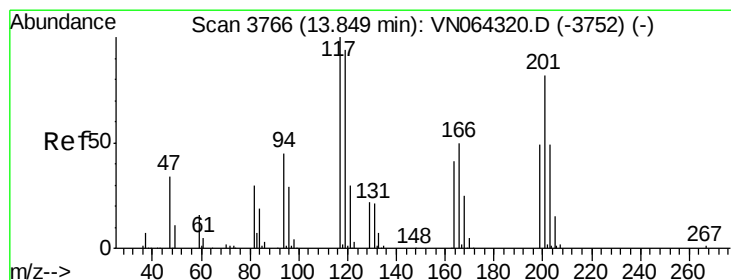
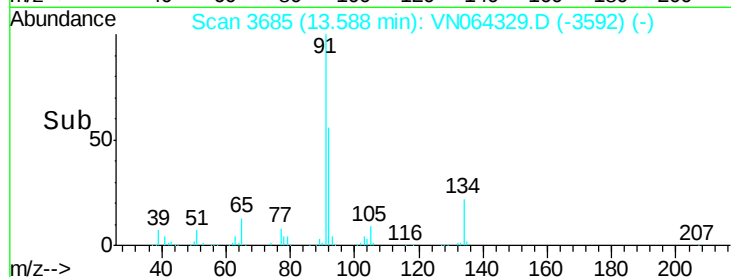
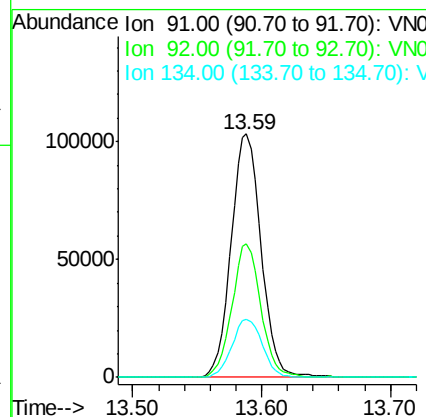
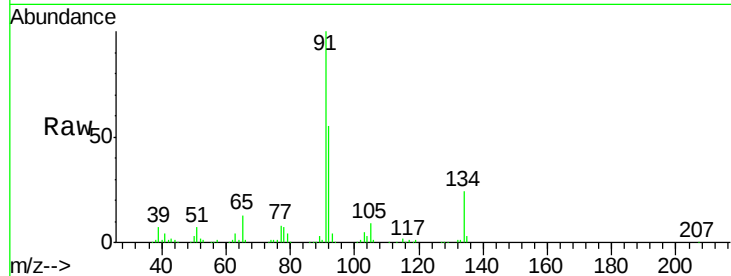
#89
n-Butylbenzene
Concen: 18.394 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.2	78.5
134	24.1	12.4	37.4

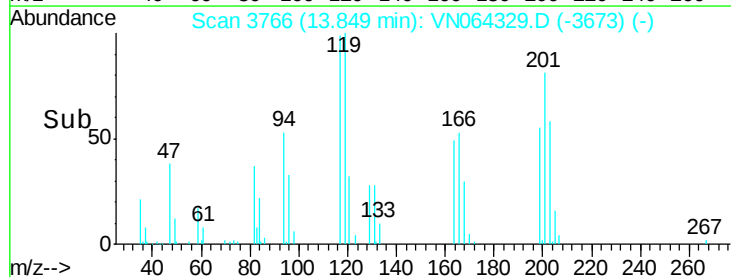
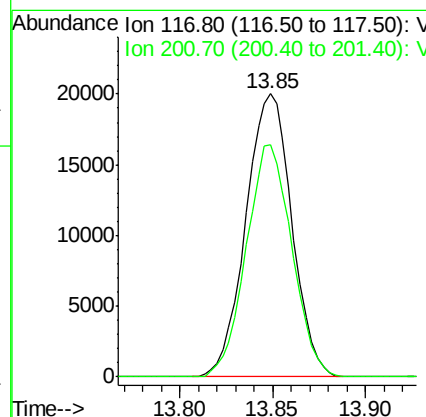
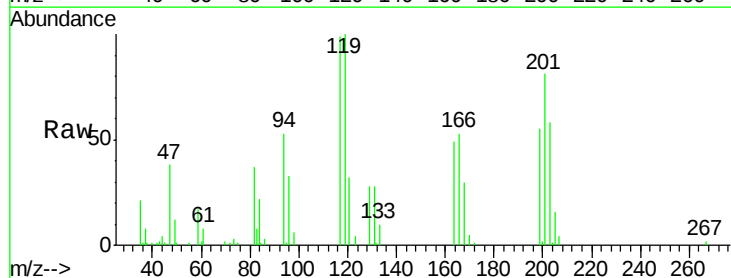
Manual Integrations
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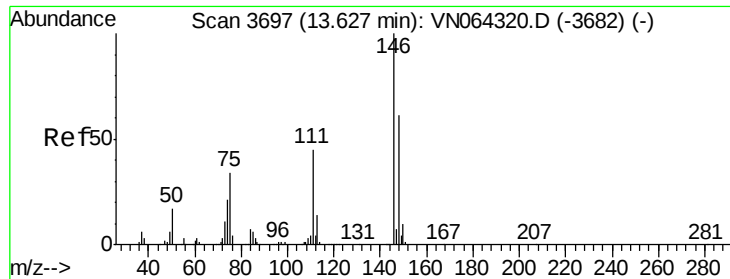
MMDadoda
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#90
Hexachloroethane
Concen: 17.950 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	39.8	119.3





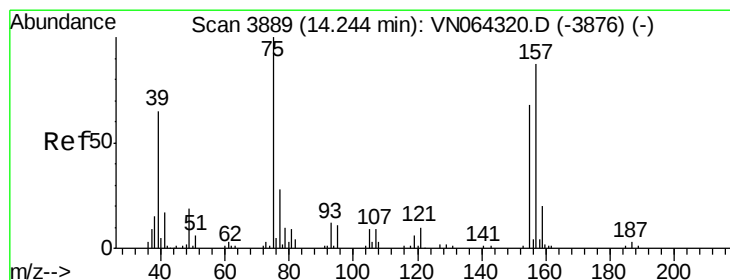
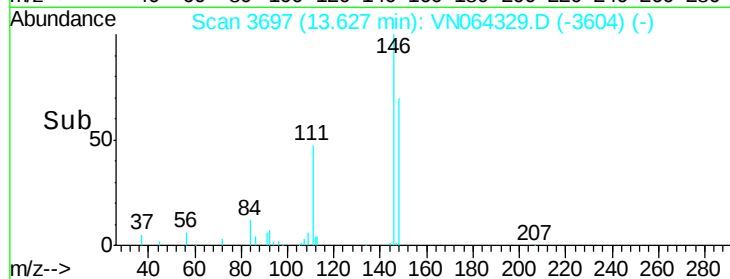
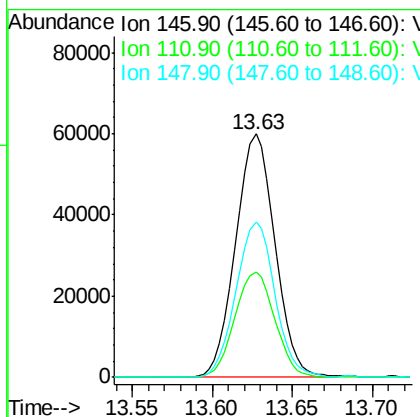
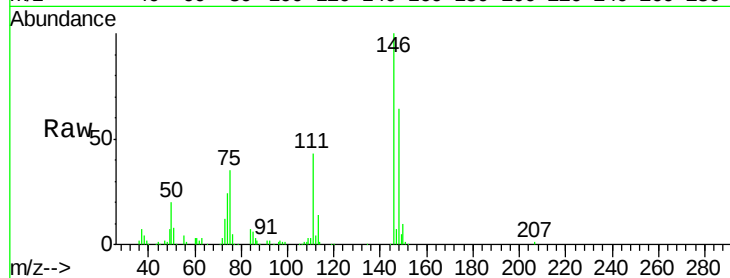
#91
 1,2-Dichlorobenzene
 Concen: 18.613 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	23.0	69.0
148	63.1	32.1	96.3

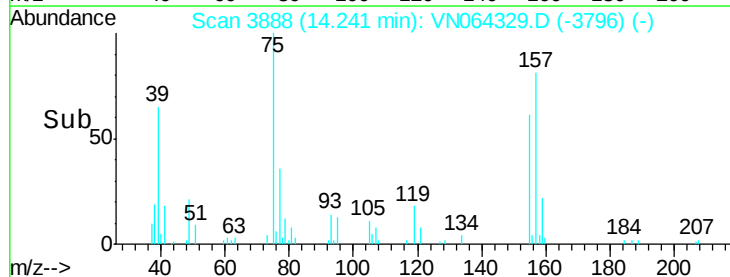
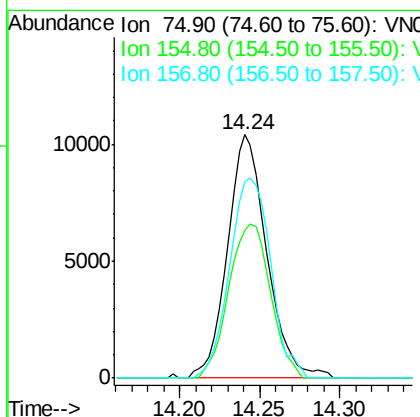
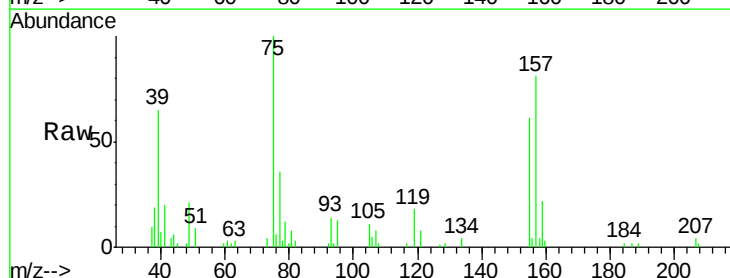
Manual Integrations
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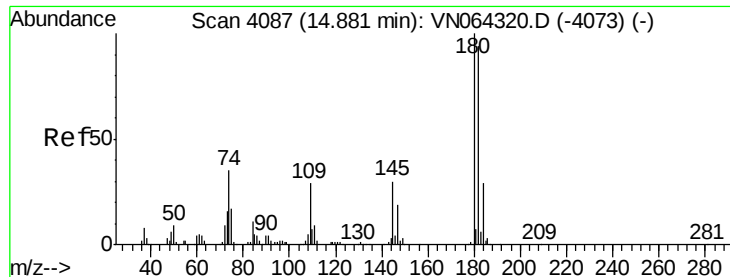
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.088 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.9	35.1	105.5
157	85.8	43.2	129.6





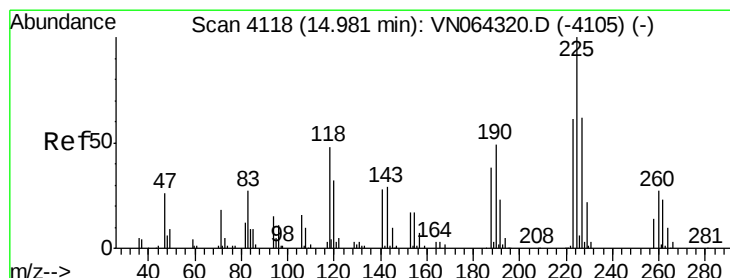
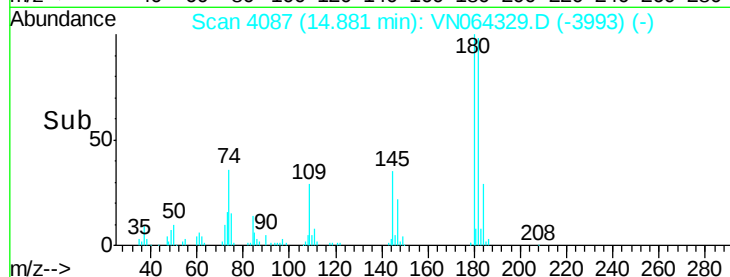
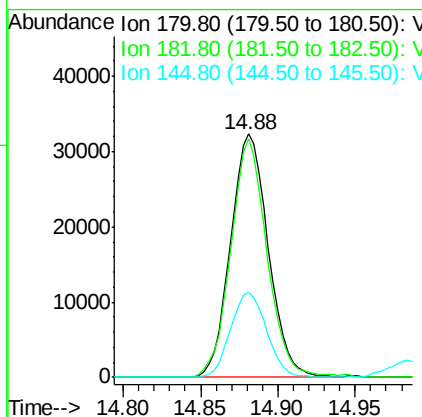
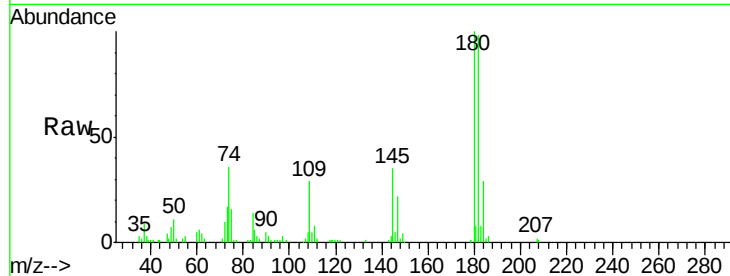
#93
 1,2,4-Trichlorobenzene
 Concen: 18.850 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.6	139.7
145	33.3	15.3	45.9

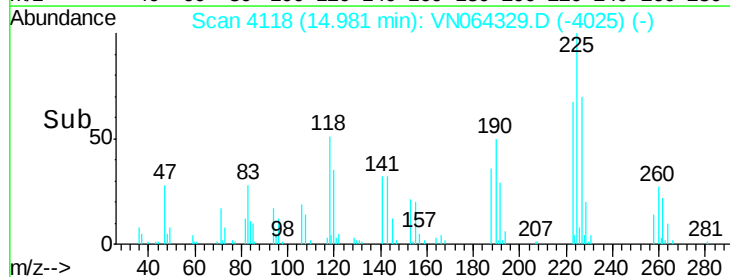
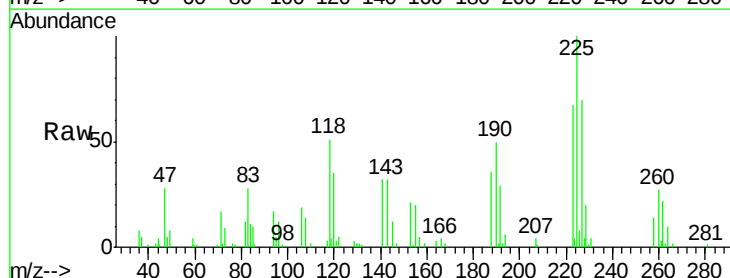
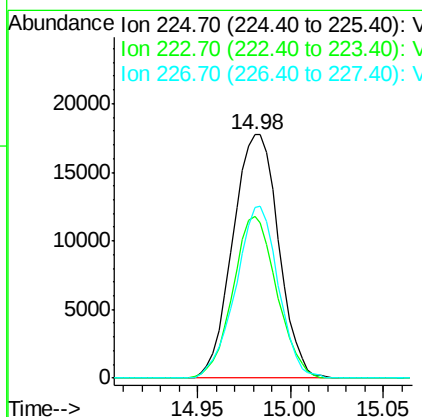
Manual Integrations
 APPROVED

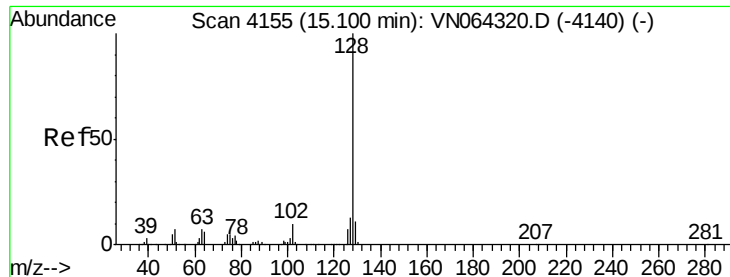
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#94
 Hexachlorobutadiene
 Concen: 18.413 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064329.D
 Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.3	93.8
227	65.5	32.3	96.9





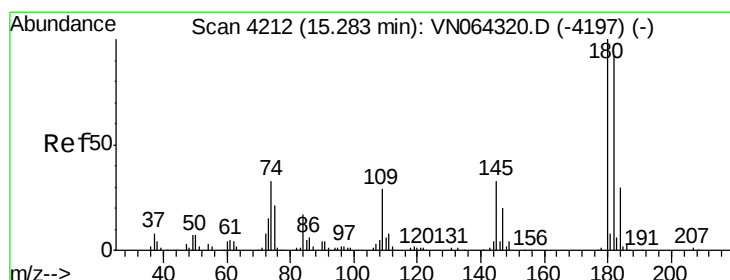
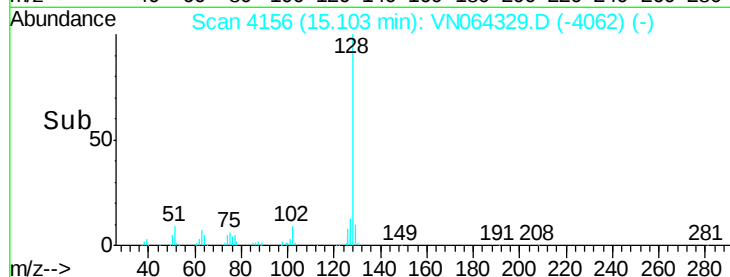
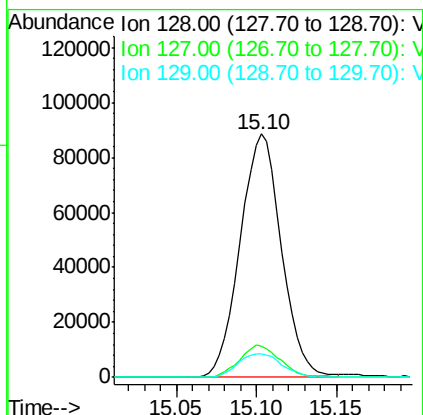
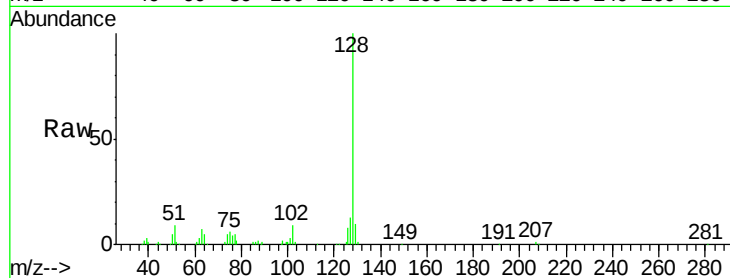
#95
Naphthalene
Concen: 17.926 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.4	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.211 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064329.D
Acq: 27 Oct 2020 16:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.2	46.1	138.3
145	32.8	16.2	48.5

