

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063032.D
 Acq On : 20 Aug 2020 12:36
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:22:03 AM

Quant Time: Aug 20 13:55:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 13:39:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	31926	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	161719	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	153206	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	69705	30.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.70%
60) 4-Bromofluorobenzene	12.38	95	65964	27.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.83%
63) Toluene-d8	10.06	98	210908	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	8347	3.657 ug/l	92
3) Chloromethane	2.04	50	10215	4.044 ug/l	98
4) Vinyl Chloride	2.16	62	10593	4.166 ug/l	100
5) Bromomethane	2.52	94	8026	5.121 ug/l	98
6) Chloroethane	2.67	64	6712	4.466 ug/l	97
7) Trichlorofluoromethane	2.98	101	14342	4.677 ug/l	99
8) Diethyl Ether	3.38	74	4991	4.894 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	9268	5.590 ug/l	98
10) 1,1-Dichloroethene	3.70	96	7716	5.179 ug/l	96
11) Methyl Iodide	3.91	142	7848	3.839 ug/l	89
12) Methyl Acetate	4.29	43	9570	4.819 ug/l	98
13) Acrolein	3.58	56	4788	23.525 ug/l	100
14) Acrylonitrile	4.94	53	20023	23.027 ug/l	96
15) Acetone	3.78	58	6428	25.542 ug/l	95
16) Carbon Disulfide	4.01	76	19935	4.984 ug/l	96
17) Allyl chloride	4.28	41	13855	5.068 ug/l	99
18) Methylene Chloride	4.50	84	13005	6.239 ug/l	95
19) trans-1,2-Dichloroethene	4.99	96	8505	5.191 ug/l	97
20) Diisopropyl ether	5.90	45	28516	4.454 ug/l	91
21) 1,1-Dichloroethane	5.80	63	18683	5.317 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	10592m	5.217 ug/l	
23) tert-Butyl Alcohol	4.73	59	8053m	28.269 ug/l	
24) Methyl tert-Butyl Ether	5.00	73	25112	4.595 ug/l	96
25) Chloroform	7.33	83	18724	5.350 ug/l	99
26) Cyclohexane	7.61	56	12007	3.969 ug/l	# 98
29) 1,1-Dichloropropene	7.75	75	11456	4.878 ug/l	99
30) 2-Butanone	6.79	43	27540	25.159 ug/l	97
31) 2,2-Dichloropropane	6.77	77	15494	5.428 ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	15013	5.307 ug/l	100
33) Carbon Tetrachloride	7.73	117	12692	5.269 ug/l	95
34) Benzene	8.00	78	38247	5.082 ug/l	# 63
35) Methacrylonitrile	7.13	41	4484	4.392 ug/l	81
36) 1,2-Dichloroethane	8.09	62	13725	5.345 ug/l	96
37) Trichloroethene	8.81	130	9586	5.201 ug/l	97
38) Methylcyclohexane	9.05	83	11717	3.978 ug/l	99
39) 1,2-Dichloropropane	9.09	63	11153	5.092 ug/l	99
40) Dibromomethane	9.18	93	6658	5.235 ug/l	99

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: Aug 20 13:55:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	14871	5.277	ug/l	91
42) Vinyl Acetate	5.85	43	108729	26.220	ug/l	99
43) Ethyl Acetate	6.89	43	10798	5.168	ug/l	99
44) Isopropyl Acetate	8.13	43	17337	4.943	ug/l	99
45) 1,4-Dioxane	9.17	88	2913	88.674	ug/l	97
46) Methyl methacrylate	9.17	41	7969	4.615	ug/l	98
47) n-amyl Acetate	12.05	43	13125	4.216	ug/l	94
48) t-1,3-Dichloropropene	10.36	75	14237	4.783	ug/l	91
49) cis-1,3-Dichloropropene	9.81	75	15066	4.650	ug/l	94
50) 1,1,2-Trichloroethane	10.54	97	10448	5.328	ug/l	91
51) Ethyl methacrylate	10.40	69	11073	4.151	ug/l	97
52) 1,3-Dichloropropane	10.68	76	16137	4.981	ug/l	98
53) Dibromochloromethane	10.87	129	10386	4.827	ug/l	98
54) 1,2-Dibromoethane	10.98	107	9139	4.858	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	9225	16.834	ug/l	98
56) Bromoform	12.10	173	7600	4.823	ug/l #	89
58) 4-Methyl-2-Pentanone	9.95	43	50866	23.080	ug/l	98
59) 2-Hexanone	10.72	43	36648	23.310	ug/l	95
61) Tetrachloroethene	10.60	164	9129	5.435	ug/l	96
62) Toluene	10.13	91	41635	5.128	ug/l	98
64) Chlorobenzene	11.41	112	24738	4.924	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	9953	4.998	ug/l	98
66) Ethyl Benzene	11.48	91	40124	4.533	ug/l	98
67) m/p-Xylenes	11.60	106	28593	8.623	ug/l	99
68) o-Xylene	11.92	106	14106	4.429	ug/l	99
69) Styrene	11.94	104	22034	3.960	ug/l	96
70) Isopropylbenzene	12.22	105	37192	4.292	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	14166	5.098	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	11816m	4.920	ug/l	
73) Bromobenzene	12.50	156	11345	4.855	ug/l	95
74) n-propylbenzene	12.57	91	44689	4.300	ug/l	99
75) 2-Chlorotoluene	12.65	91	28587	4.615	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	30363	4.106	ug/l	94
77) t-1,4-Dichloro-2-butene	12.27	75	3549	4.073	ug/l	99
78) 4-Chlorotoluene	12.75	91	28123	4.403	ug/l	99
79) tert-butylbenzene	12.97	119	26002	4.179	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	27466	3.816	ug/l	97
81) sec-Butylbenzene	13.15	105	35014	4.085	ug/l	99
82) p-Isopropyltoluene	13.26	119	29345	3.862	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	17724	4.344	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	17059	4.278	ug/l	96
85) n-Butylbenzene	13.59	91	23549	3.730	ug/l	98
86) Hexachloroethane	13.85	117	6844	4.574	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	16828	4.307	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	1935	4.390	ug/l	90
89) 1,2,4-Trichlorobenzene	14.89	180	6617	3.432	ug/l	99
90) Hexachlorobutadiene	14.98	225	7471	5.235	ug/l	95
91) Naphthalene	15.10	128	15900	3.732	ug/l	97
92) 1,2,3-Trichlorobenzene	15.29	180	7296	3.790	ug/l	97

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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

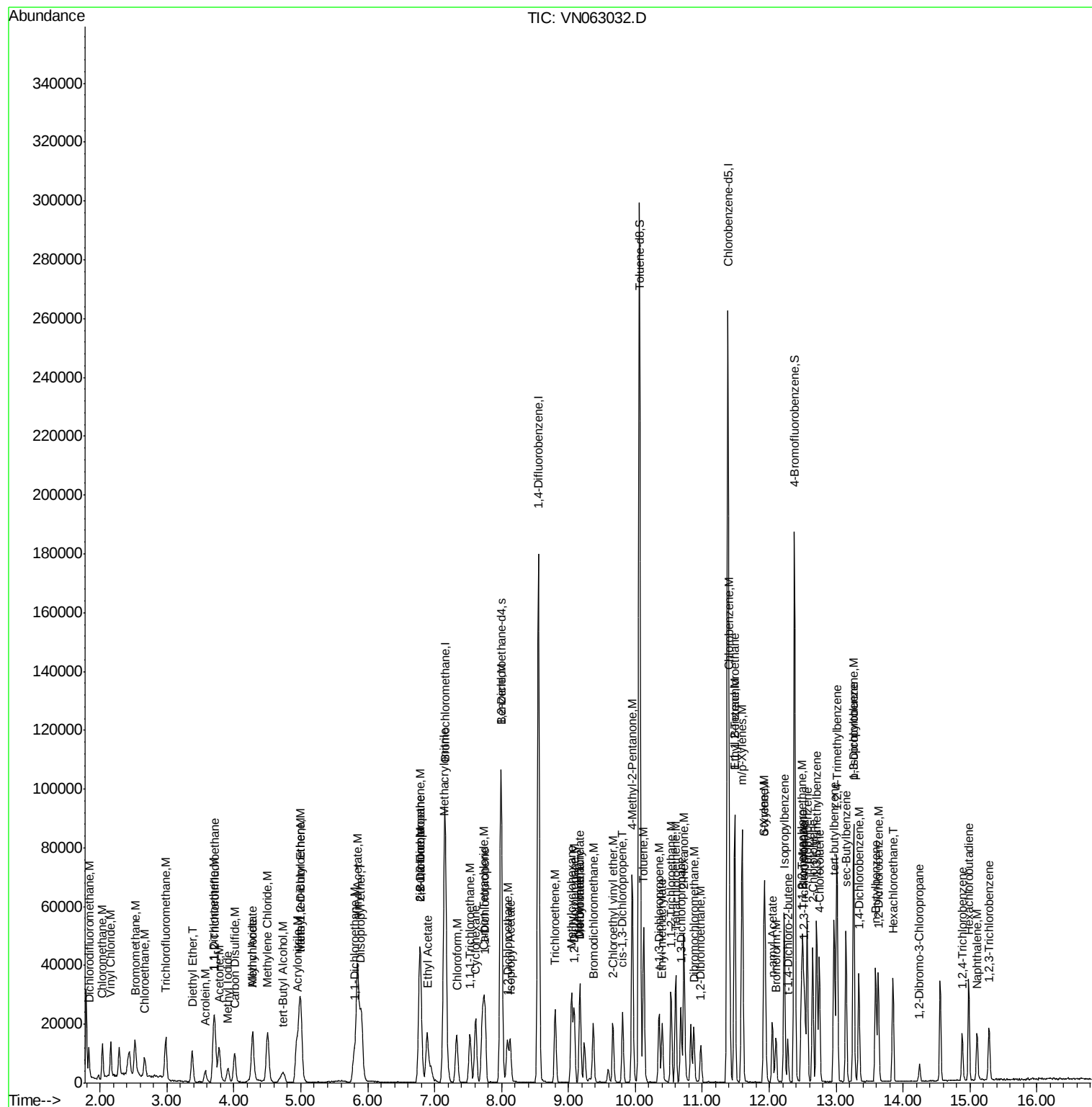
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
Data File : VN063032.D
Acq On : 20 Aug 2020 12:36
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

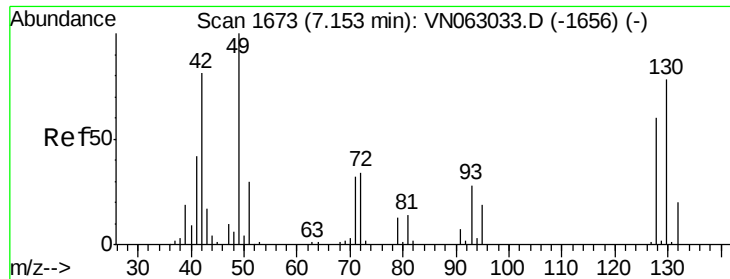
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
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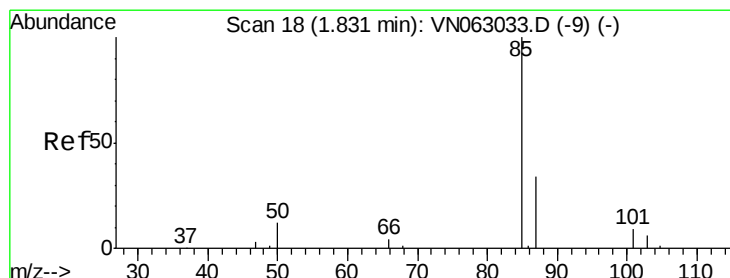
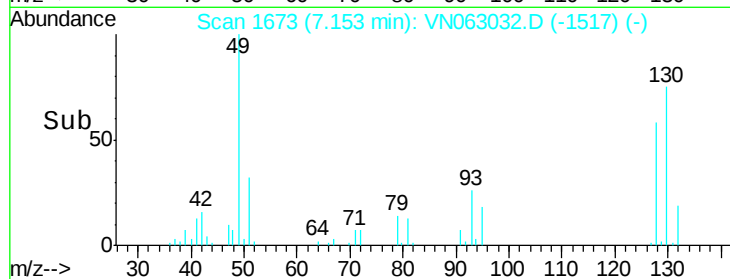
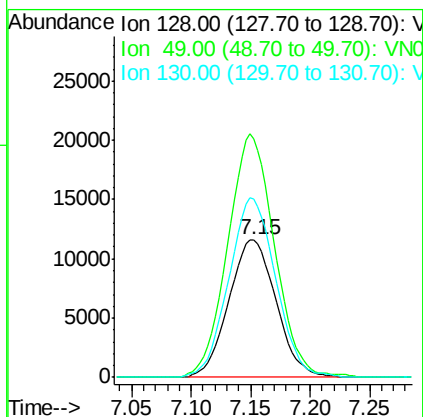
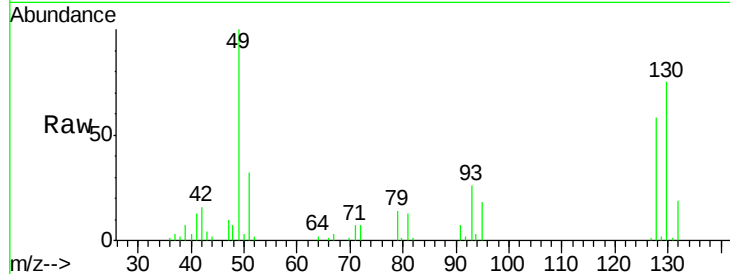
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
49	175.0	0.0	437.5
130	129.6	0.0	327.3

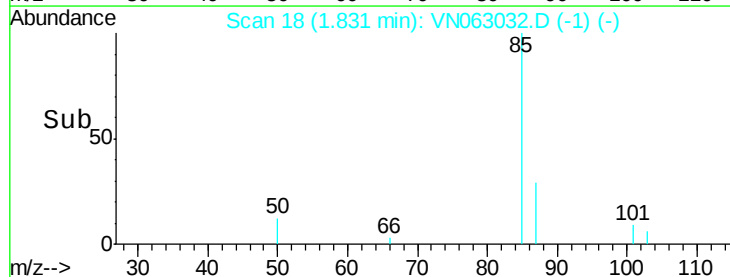
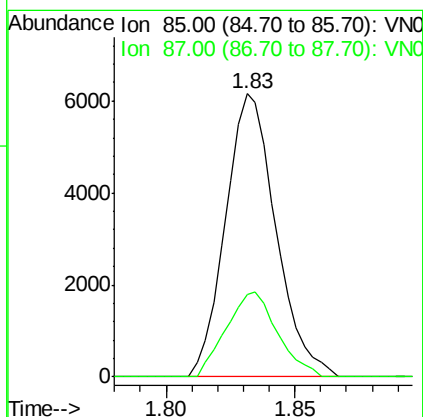
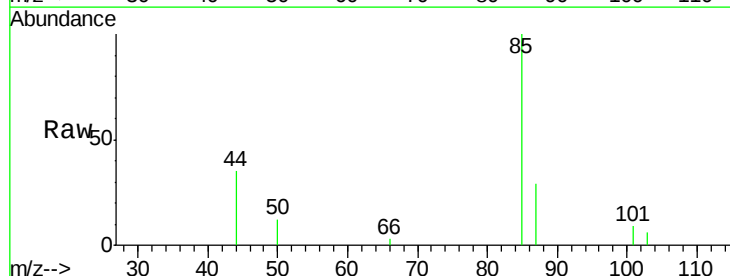
Manual Integrations
APPROVED

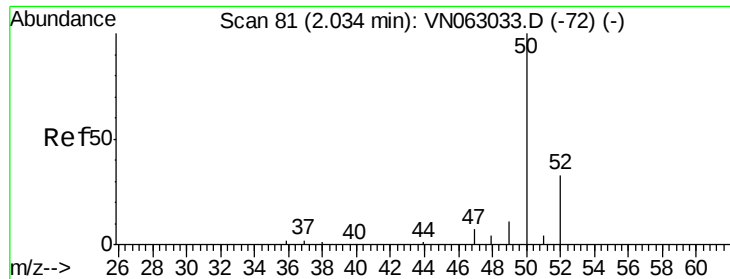
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#2
Dichlorodifluoromethane
Concen: 3.657 ug/l
RT: 1.83 min Scan# 18
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.1	16.9	50.6





#3

Chloromethane

Concen: 4.044 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10215

Ion Ratio Lower Upper

50 100

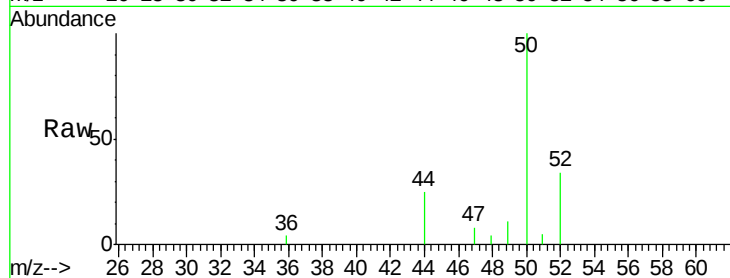
52 33.9 26.0 39.0

Manual Integrations

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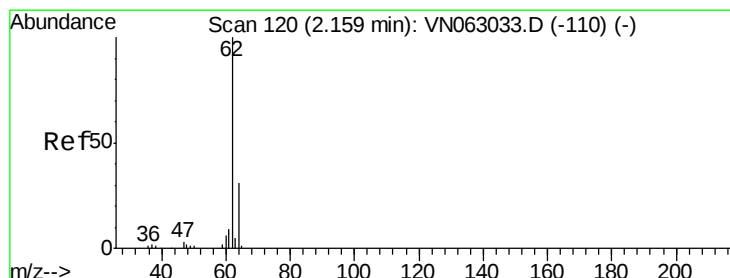
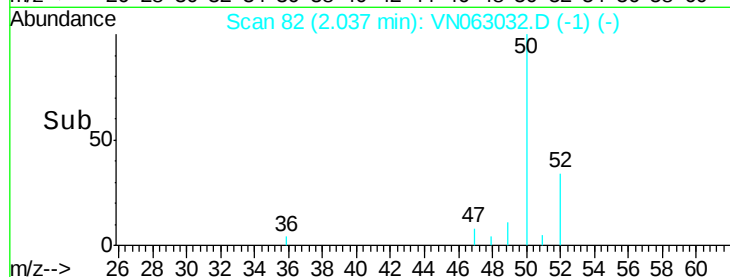
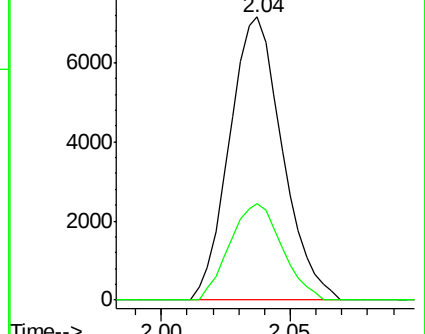
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 4.166 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN063032.D

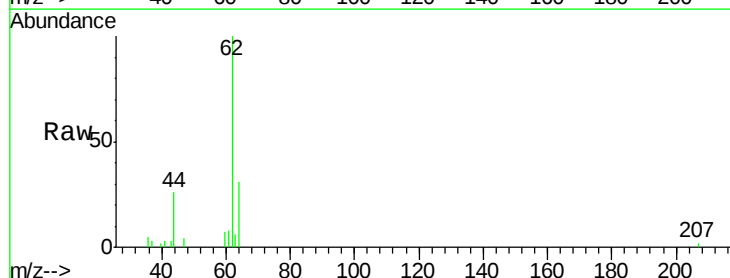
Acq: 20 Aug 2020 12:36

Tgt Ion: 62 Resp: 10593

Ion Ratio Lower Upper

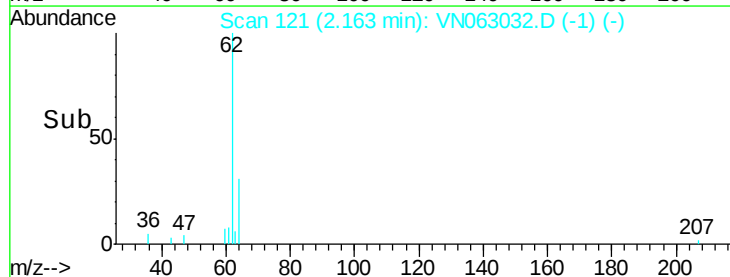
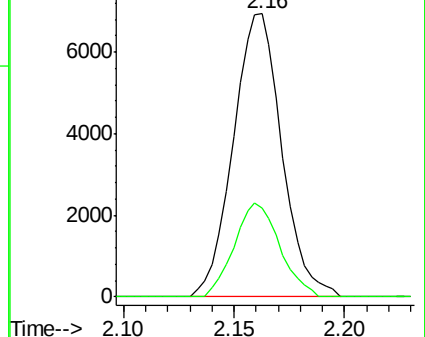
62 100

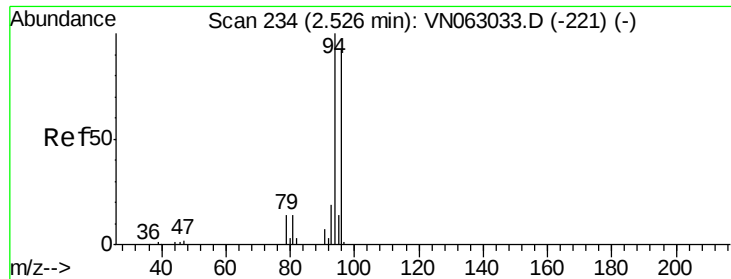
64 31.3 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 5.121 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8026

Ion Ratio Lower Upper

94 100

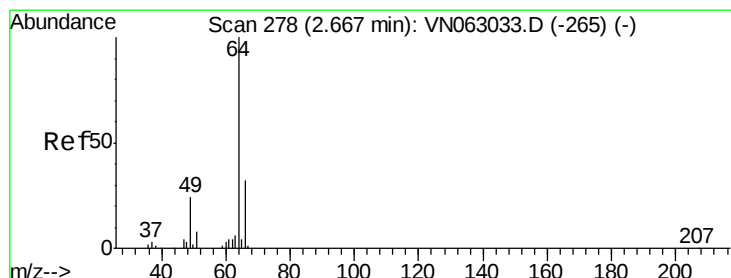
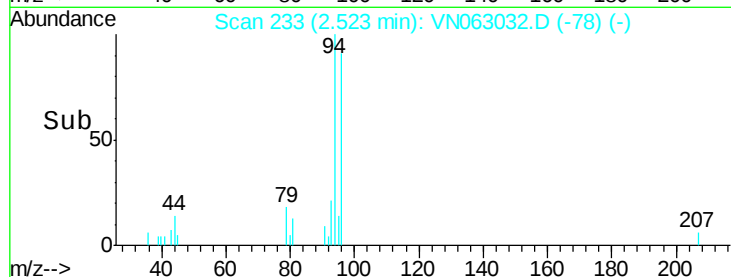
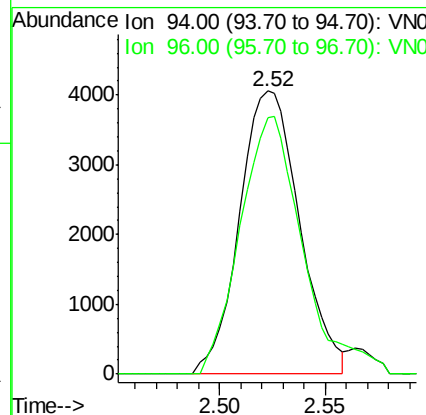
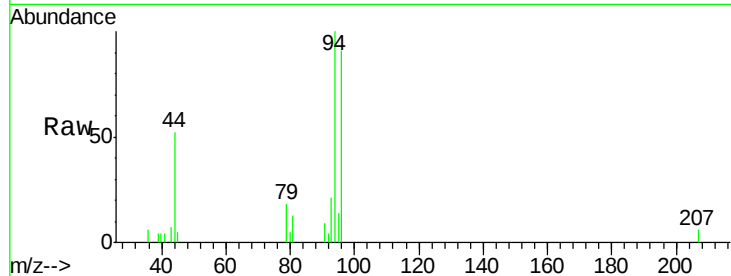
96 90.5 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 4.466 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN063032.D

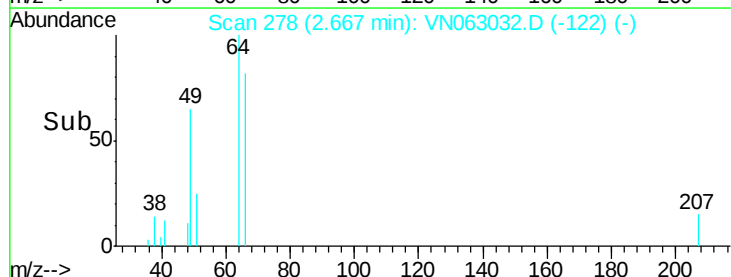
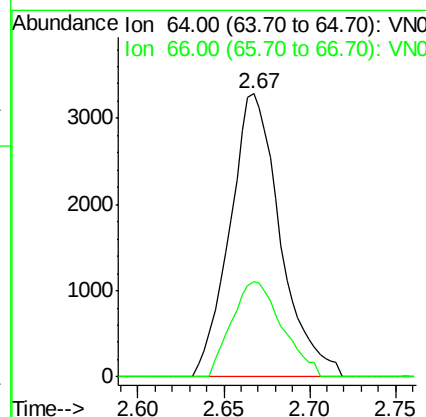
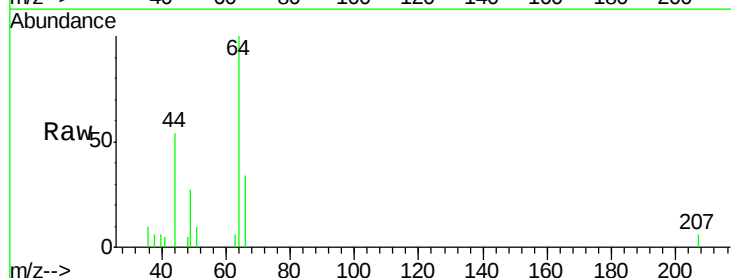
Acq: 20 Aug 2020 12:36

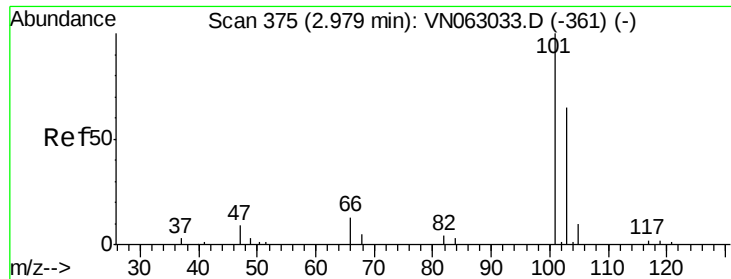
Tgt Ion: 64 Resp: 6712

Ion Ratio Lower Upper

64 100

66 33.7 25.8 38.8





#7

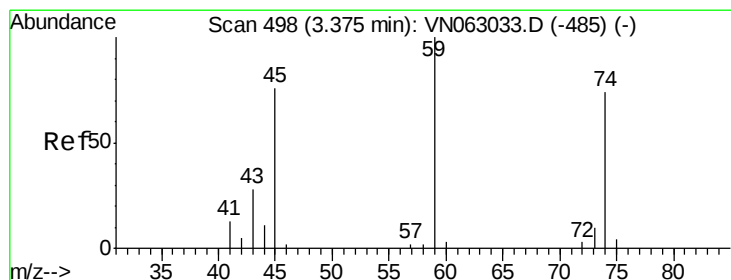
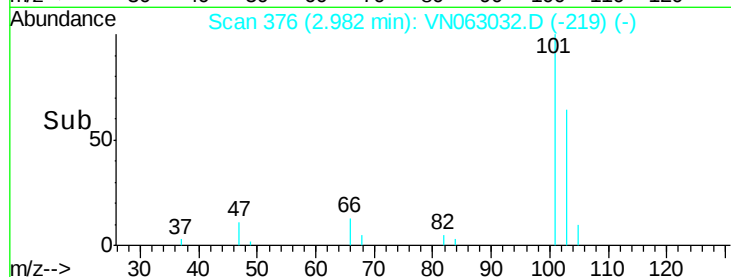
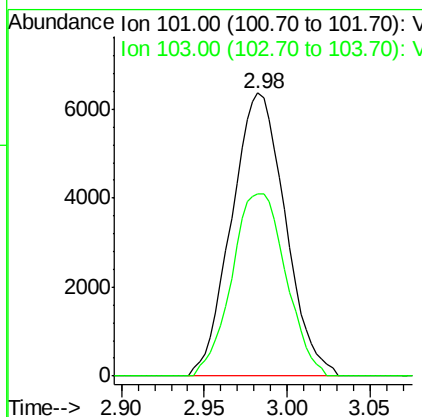
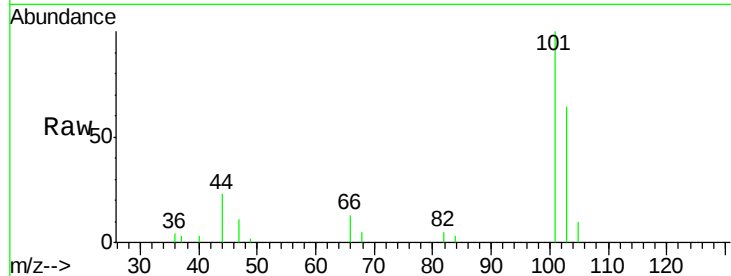
Trichlorofluoromethane
Concen: 4.677 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.9	77.9

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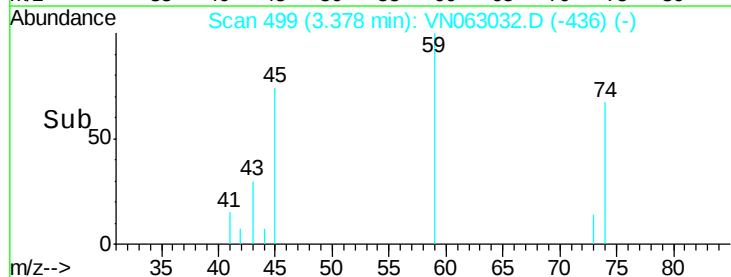
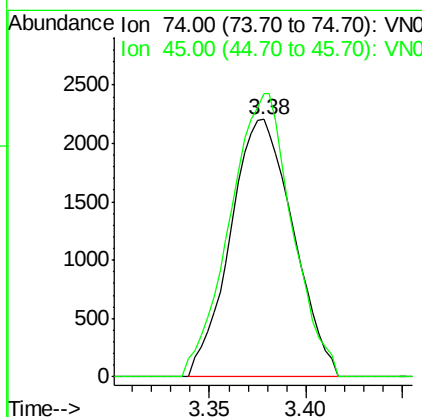
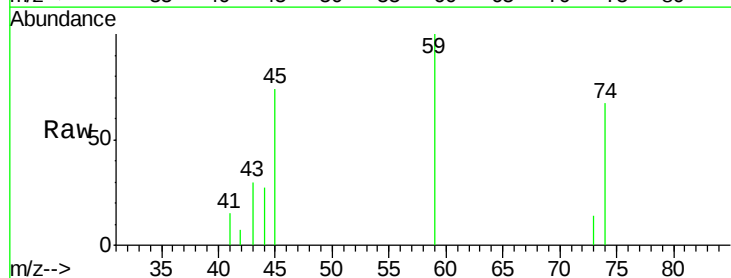
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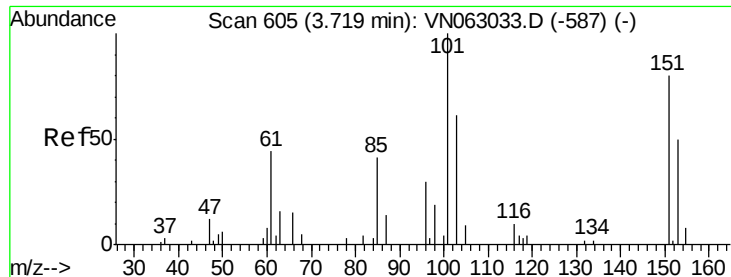


#8

Diethyl Ether
Concen: 4.894 ug/l
RT: 3.38 min Scan# 499
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.0	20.6	185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.590 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

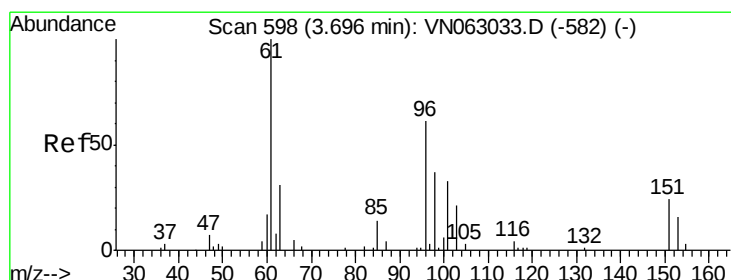
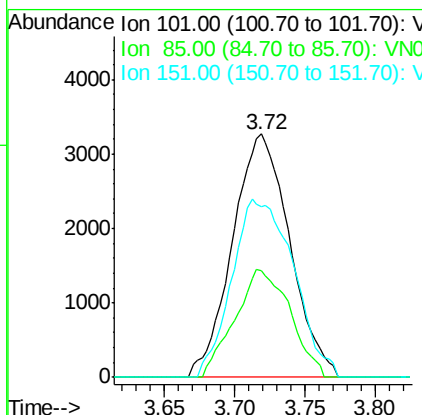
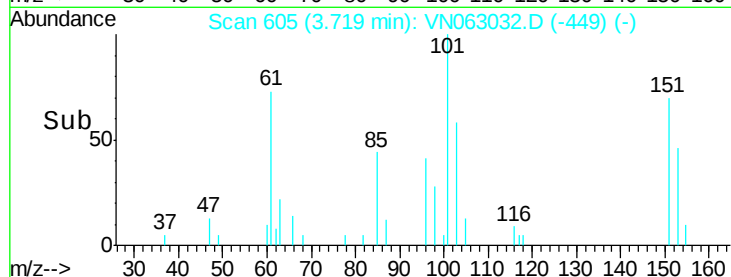
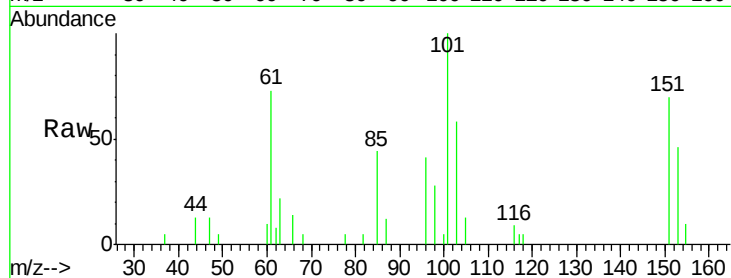
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	9268
Ion Ratio	Lower	Upper	
101	100		
85	42.7	0.0	85.0
151	78.7	0.0	161.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 5.179 ug/l

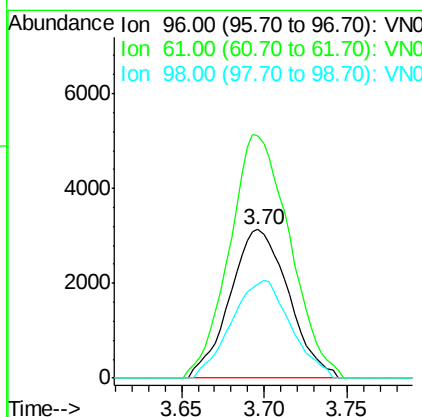
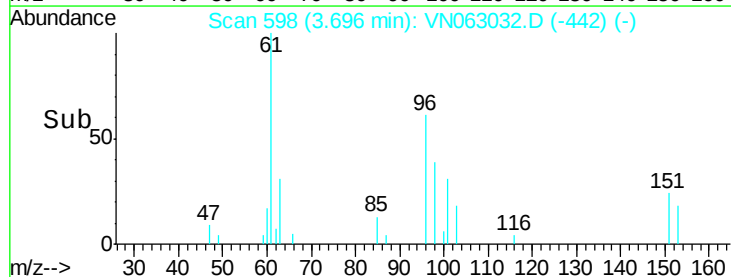
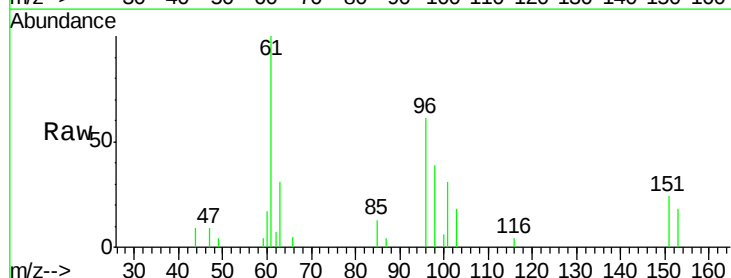
RT: 3.70 min Scan# 598

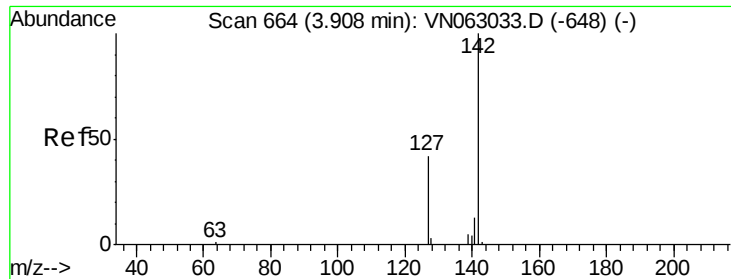
Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Tgt Ion:	96	Resp:	7716
Ion Ratio	Lower	Upper	
96	100		
61	158.0	130.8	196.2
98	63.2	49.0	73.4





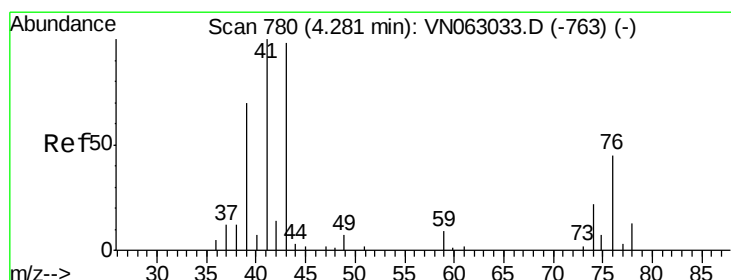
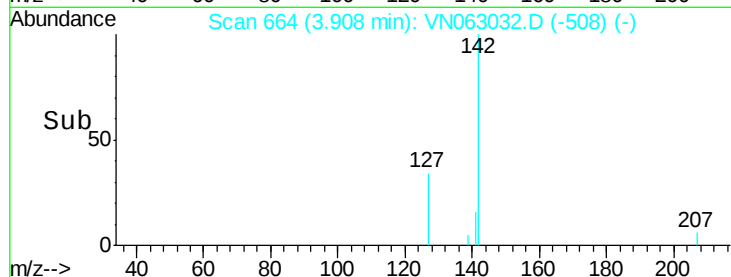
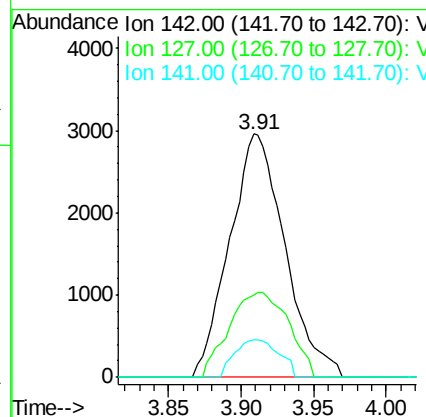
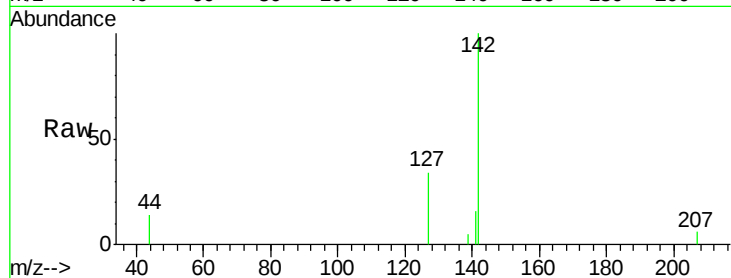
#11
Methyl Iodide
Concen: 3.839 ug/l
RT: 3.91 min Scan# 664
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	33.7	20.9	62.8
141	15.5	6.7	20.1

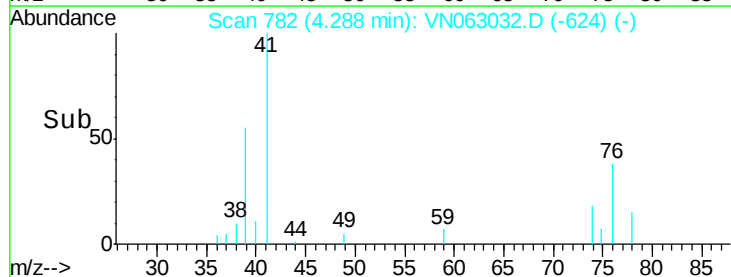
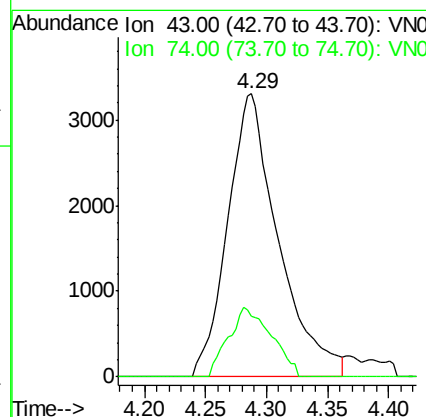
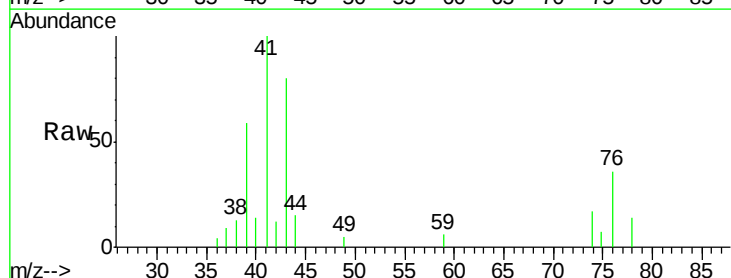
Manual Integrations
APPROVED

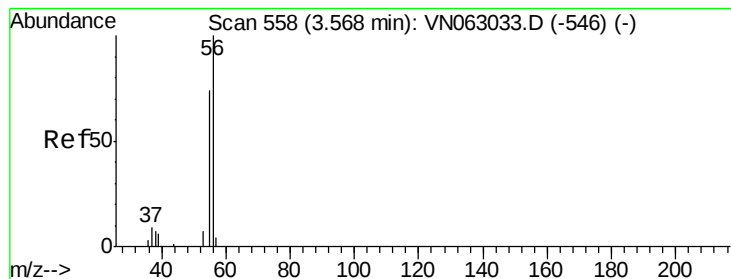
MMDadoda
8/21/2020 9:22:03 AM



#12
Methyl Acetate
Concen: 4.819 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.6	27.8





#13

Acrolein

Concen: 23.525 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4788

Ion Ratio Lower Upper

56 100

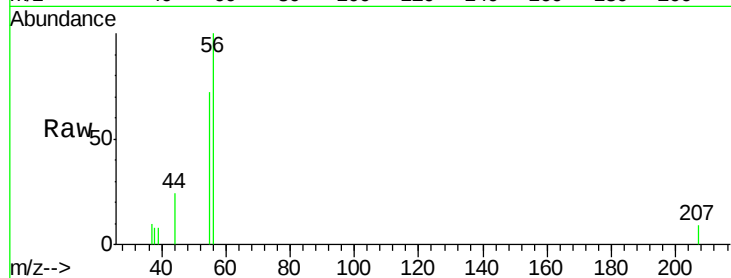
55 73.3 58.7 88.1

Manual Integrations

APPROVED

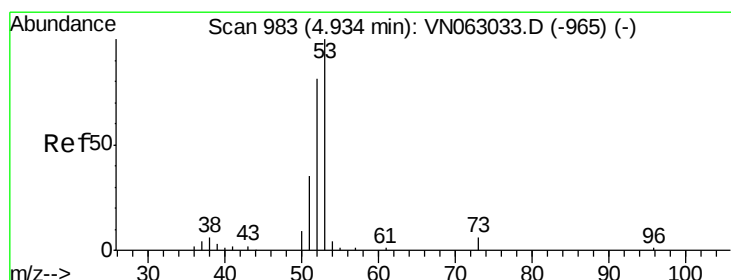
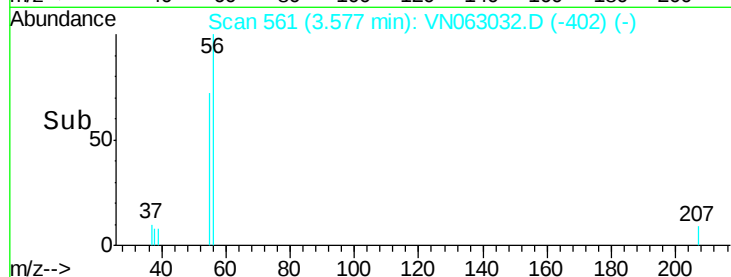
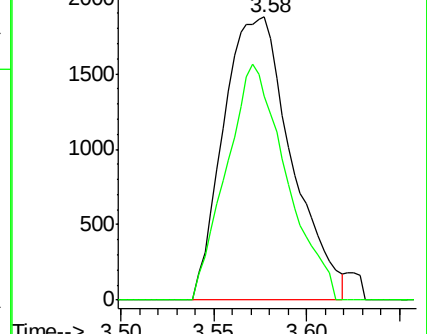
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 23.027 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

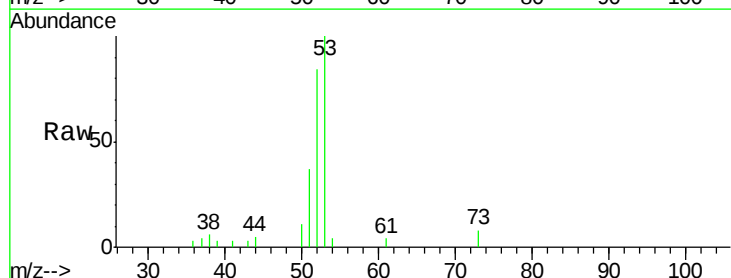
Tgt Ion: 53 Resp: 20023

Ion Ratio Lower Upper

53 100

52 84.2 39.9 119.7

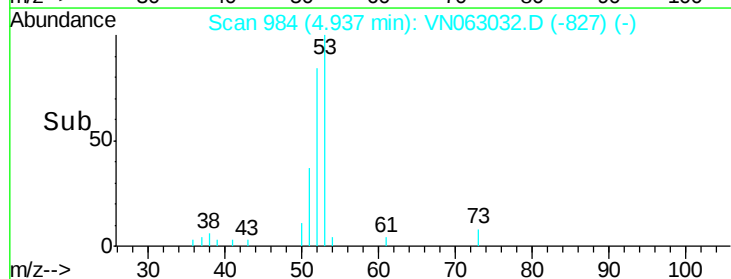
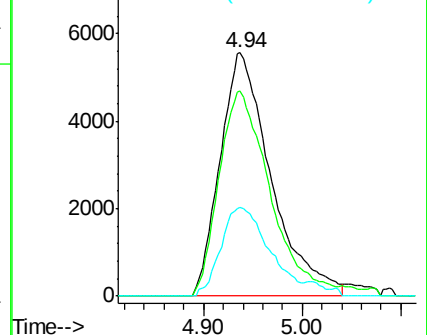
51 34.3 17.0 51.0

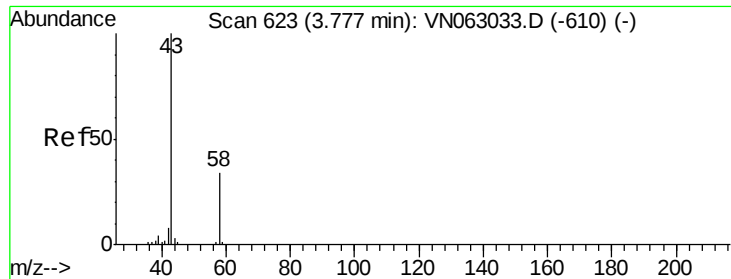


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





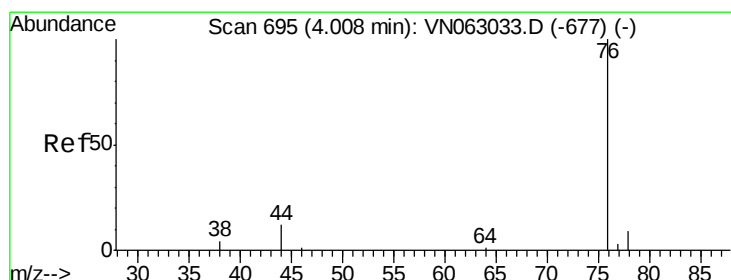
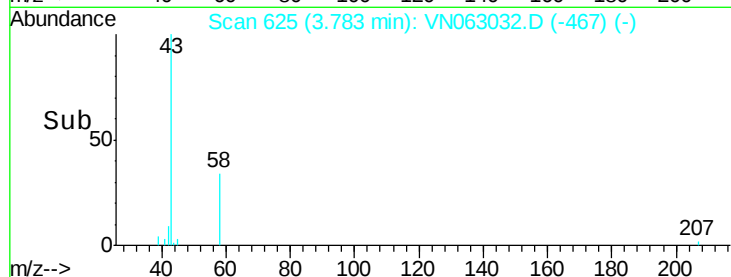
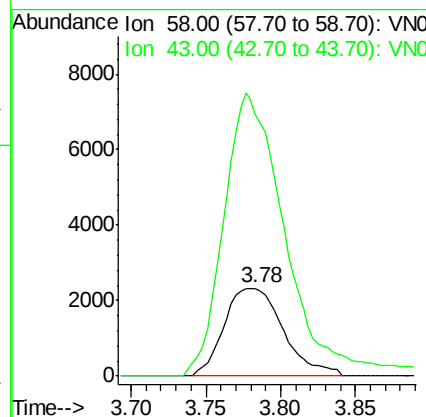
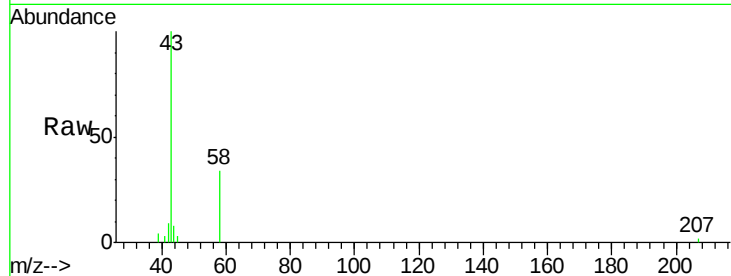
#15
Acetone
Concen: 25.542 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 58 Resp: 6428
Ion Ratio Lower Upper
58 100
43 281.6 233.2 349.8

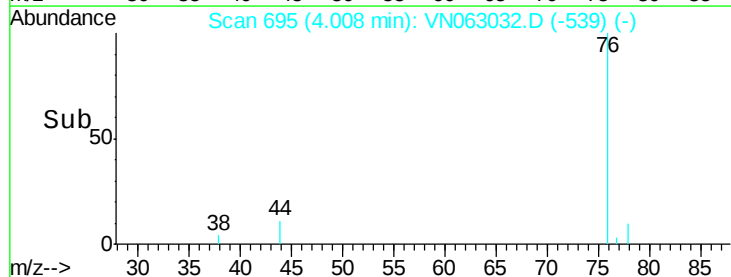
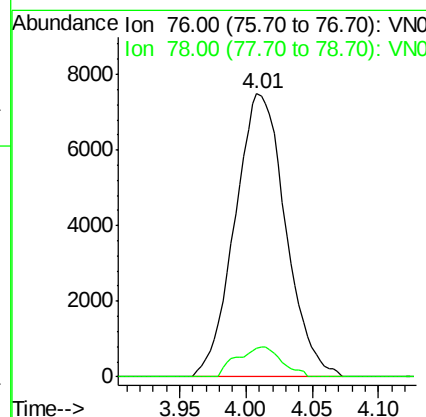
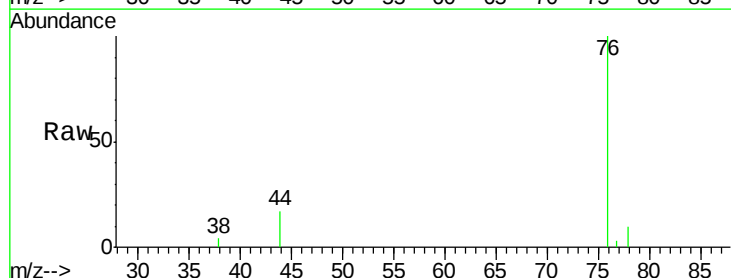
Manual Integrations
APPROVED

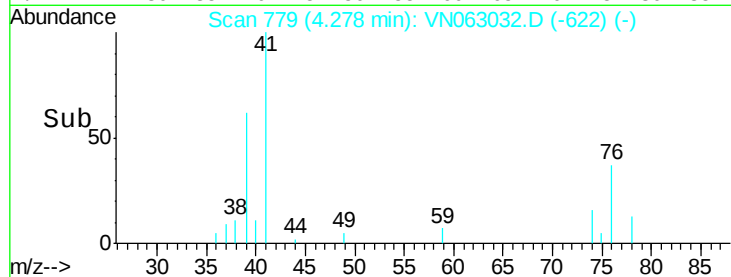
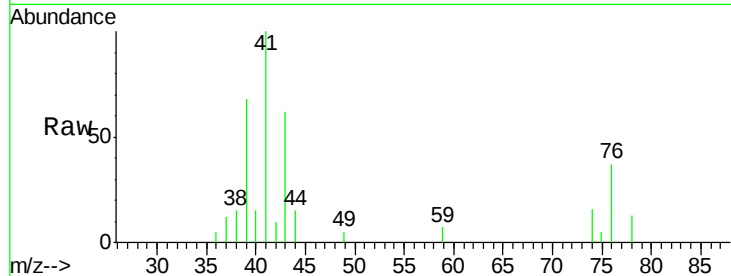
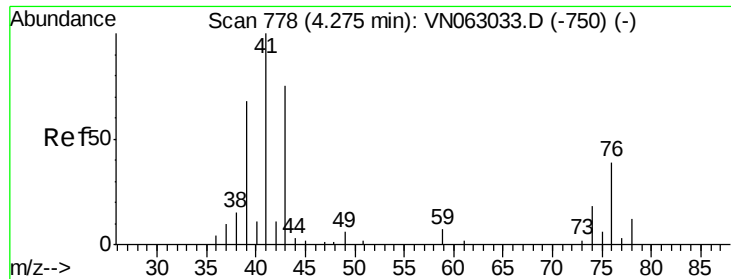
MMDadoda
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#16
Carbon Disulfide
Concen: 4.984 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion: 76 Resp: 19935
Ion Ratio Lower Upper
76 100
78 10.2 7.0 10.4





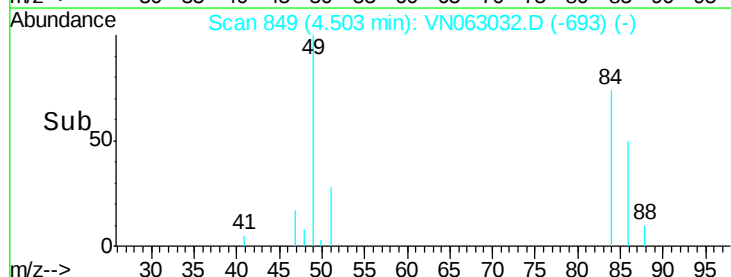
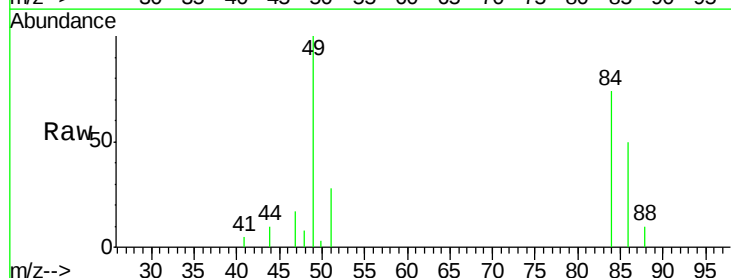
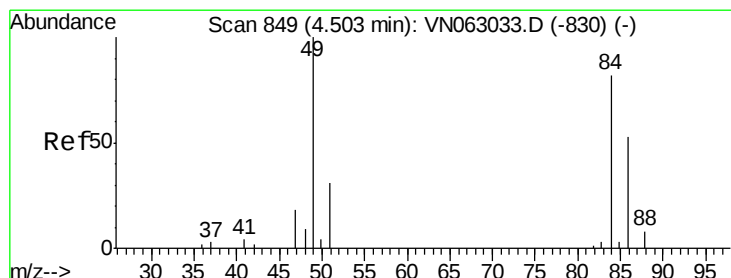
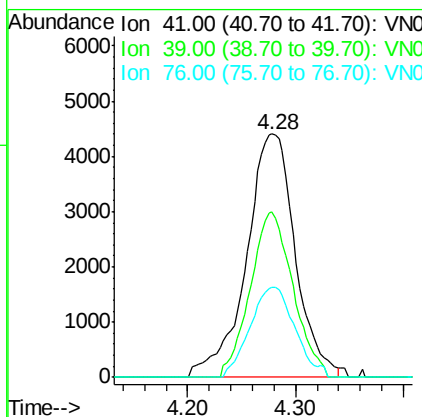
#17
Allvl chloride
Concen: 5.068 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.8	33.8	101.4
76	37.1	19.4	58.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

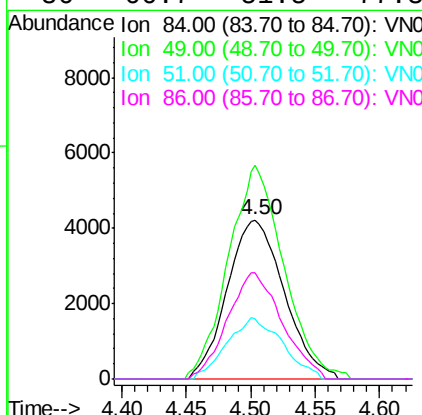
Manual Integrations
APPROVED

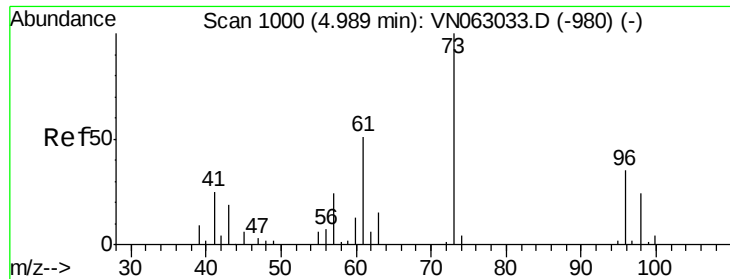
MMDadoda
8/21/2020 9:22:03 AM



#18
Methylene Chloride
Concen: 6.239 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.5	97.8	146.8
51	37.6	30.7	46.1
86	66.7	51.5	77.3





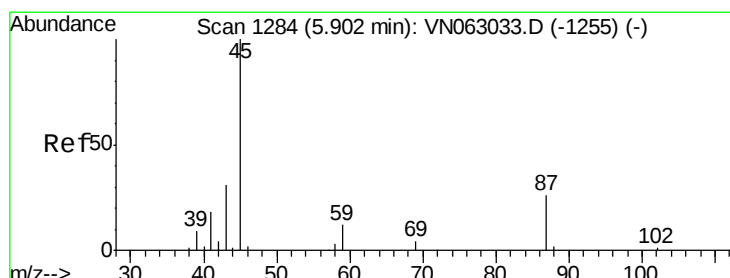
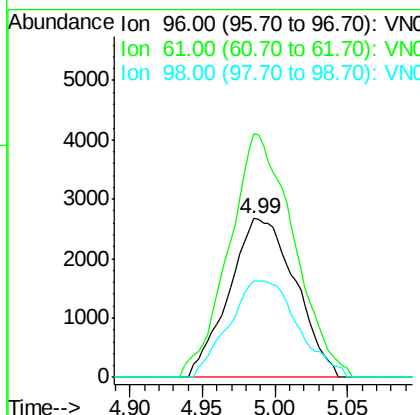
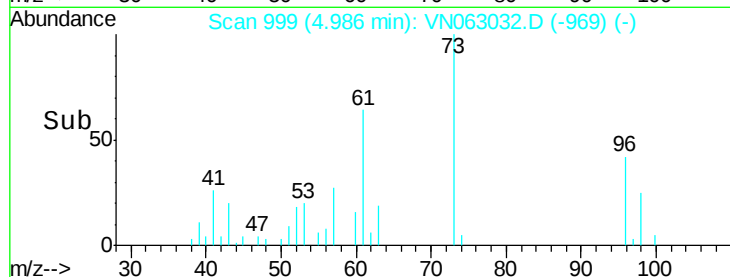
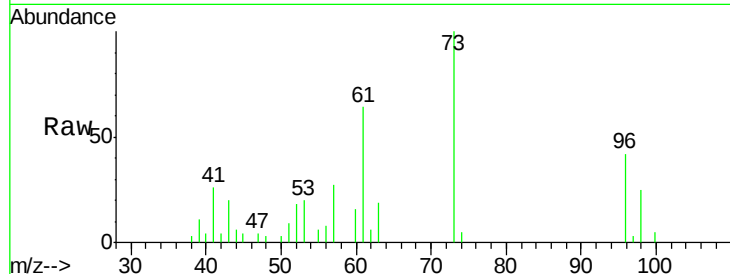
#19
trans-1,2-Dichloroethene
Concen: 5.191 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.4	115.9	173.9
98	60.5	53.3	79.9

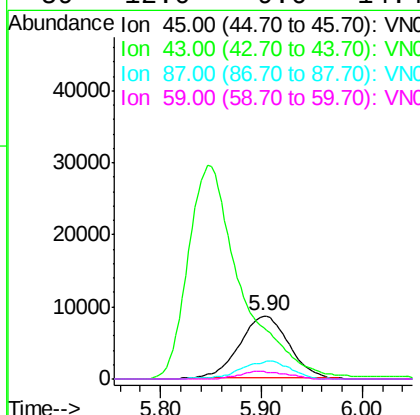
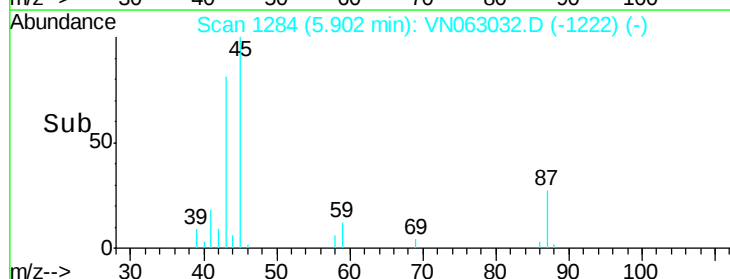
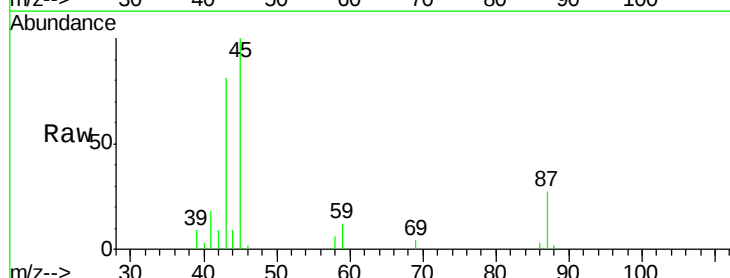
Manual Integrations
APPROVED

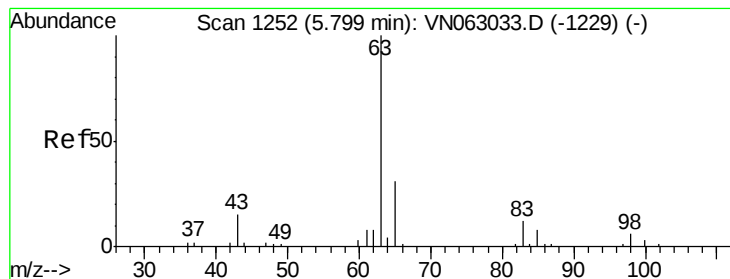
MMDadoda
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#20
Diisopropyl ether
Concen: 4.454 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.6	51.8	77.6
87	27.1	21.8	32.6
59	12.0	9.6	14.4





#21

1,1-Dichloroethane

Concen: 5.317 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

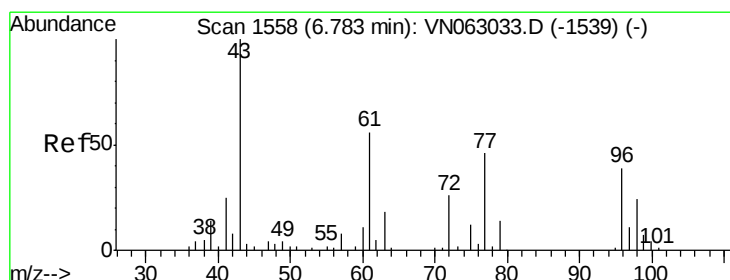
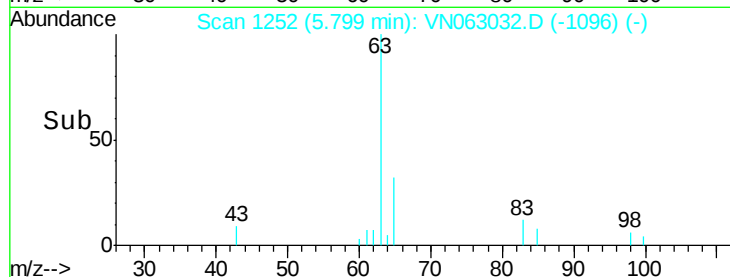
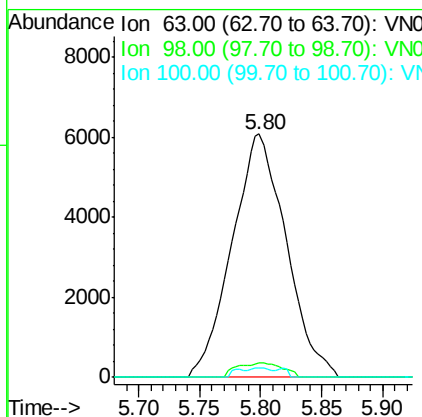
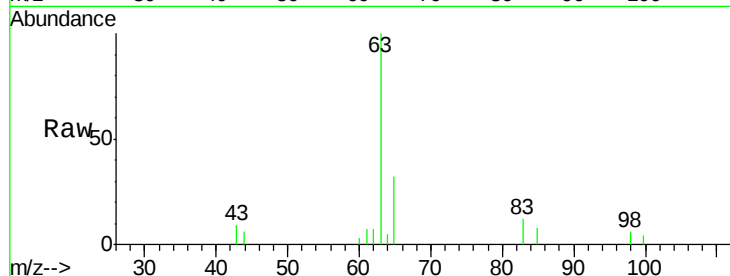
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	18683
Ion Ratio	Lower	Upper	
63	100		
98	5.8	3.1	9.3
100	3.9	1.8	5.3

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 5.217 ug/l m

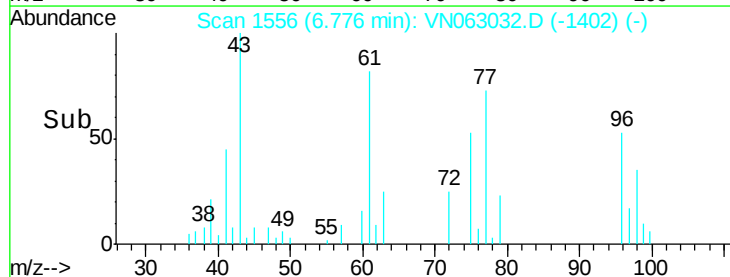
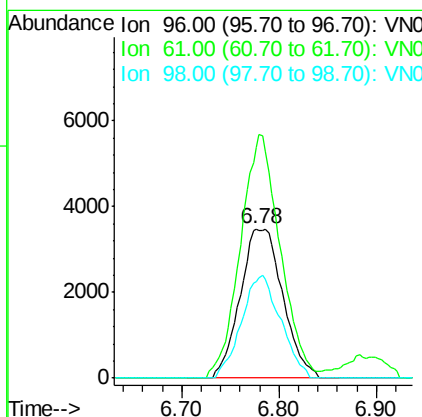
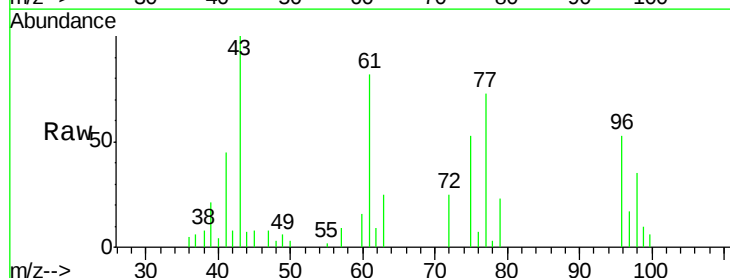
RT: 6.78 min Scan# 1556

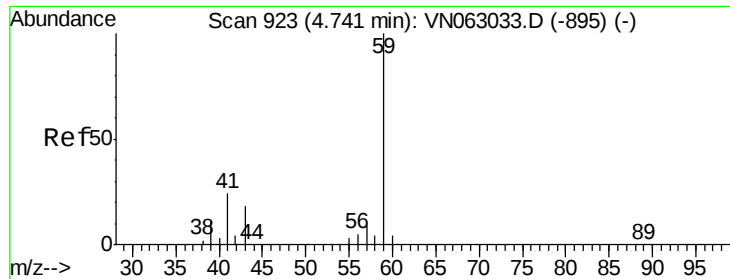
Delta R.T. -0.01 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Tgt Ion:	96	Resp:	10592
Ion Ratio	Lower	Upper	
96	100		
61	152.3	120.9	181.3
98	63.2	50.3	75.5





#23

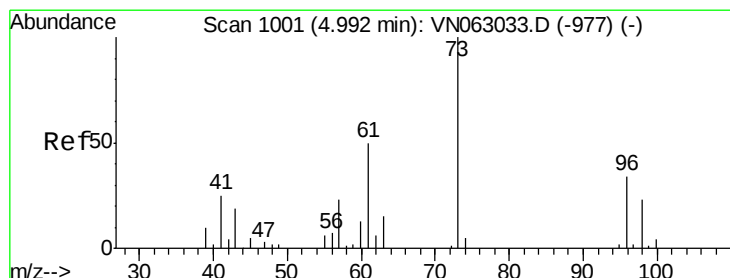
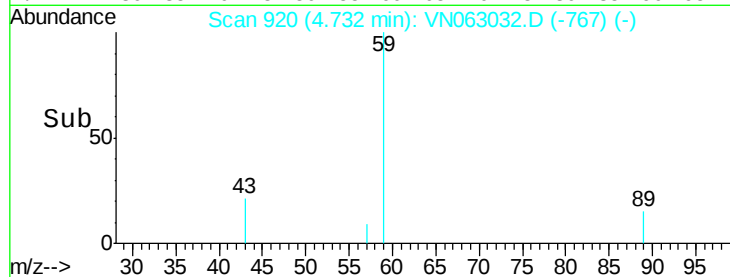
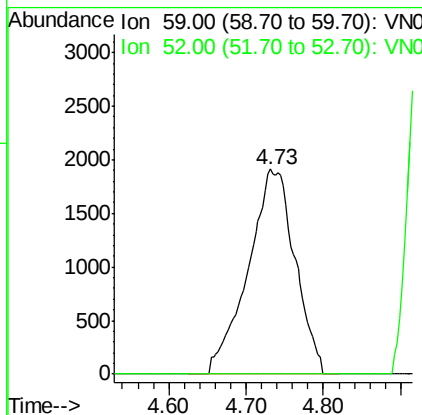
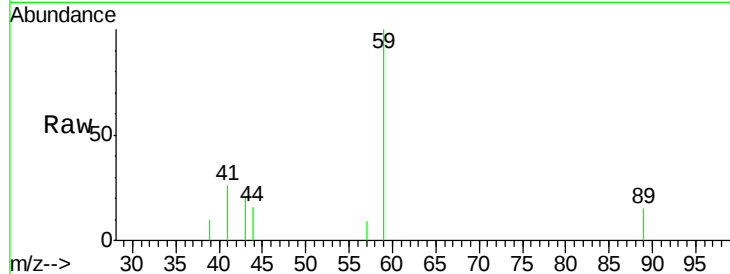
tert-Butyl Alcohol
 Concen: 28.269 ug/l m
 RT: 4.73 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	59	52	Ratio	100	209.4	Resp:	8053
Ion	59	52	Ratio	100	209.4	Lower	Upper
						0.0	0.0#

Manual Integrations
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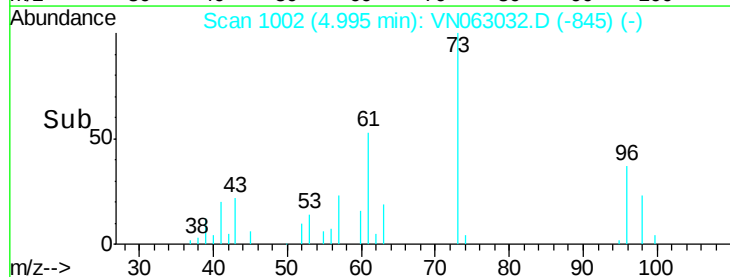
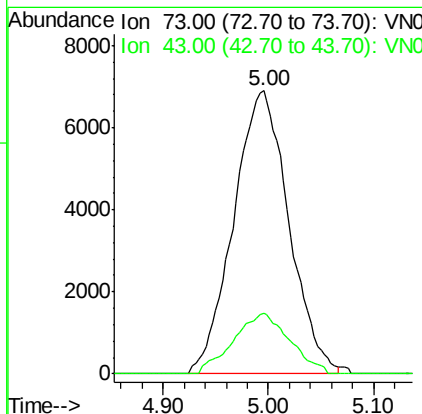
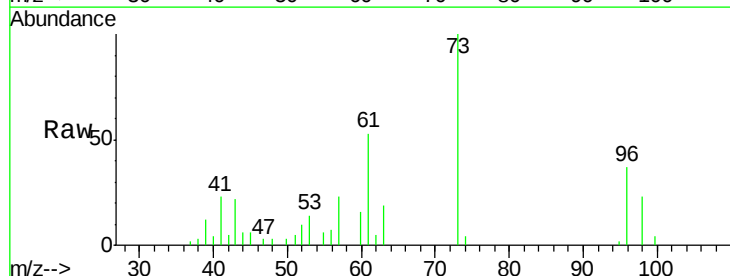
MMDadoda
 8/21/2020 9:22:03 AM

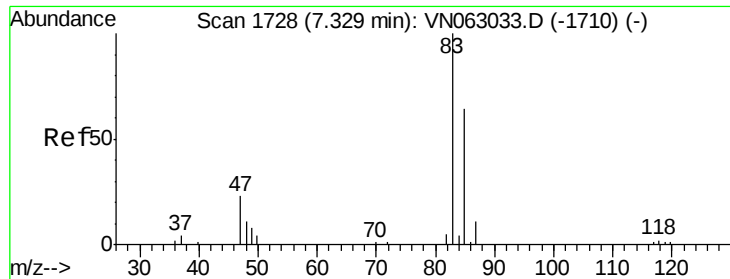


#24

Methyl tert-Butyl Ether
 Concen: 4.595 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion	73	43	Ratio	100	21.8	Resp:	25112
Ion	73	43	Ratio	100	21.8	Lower	Upper
						15.8	23.6





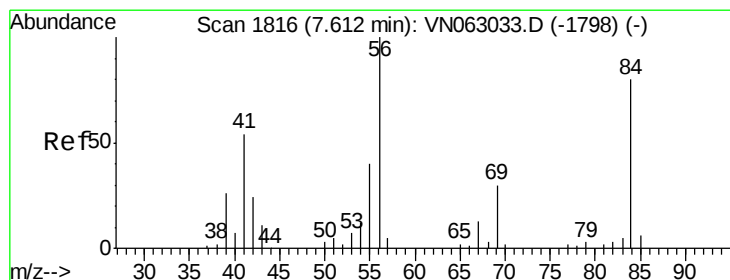
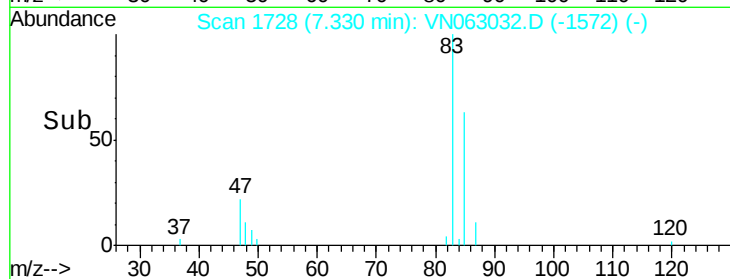
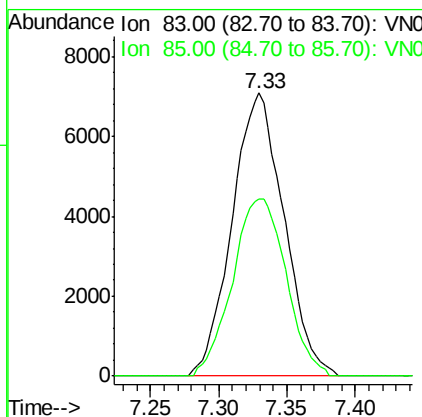
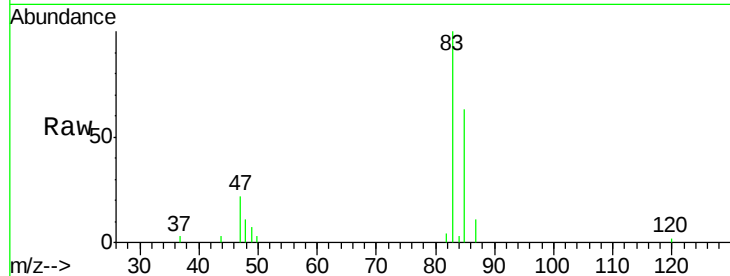
#25
Chloroform
Concen: 5.350 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	18724
Ion Ratio	Lower	Upper	
83	100		
85	62.7	51.0	76.4

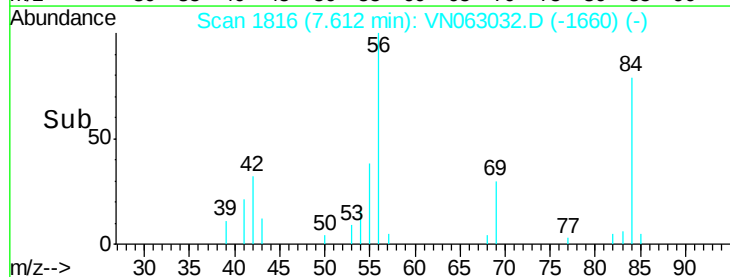
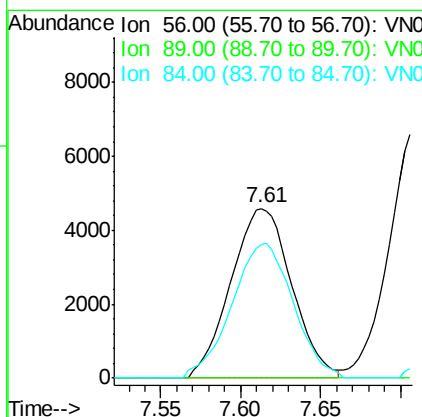
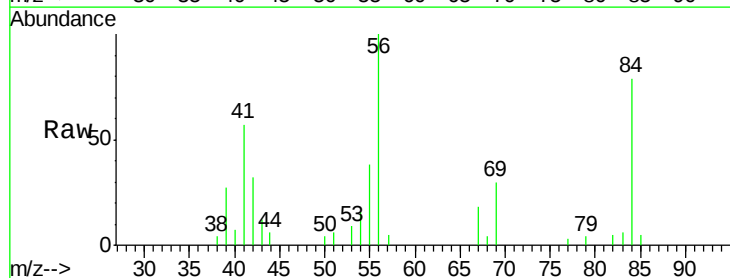
Manual Integrations
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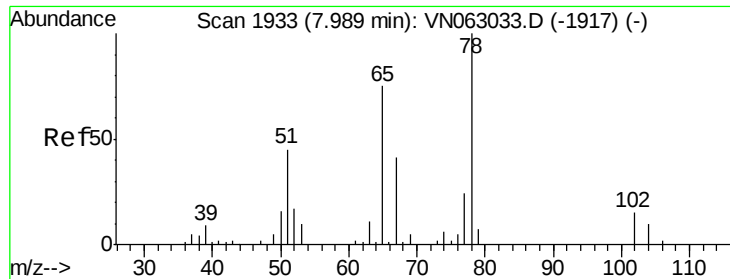
MMDadoda
8/21/2020 9:22:03 AM



#26
Cyclohexane
Concen: 3.969 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	56	Resp	12007
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.0	0.0
84	79.8	65.0	97.4





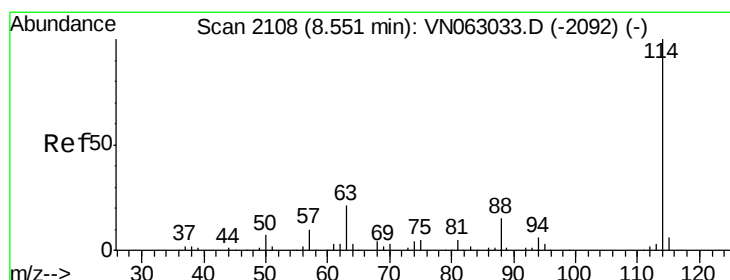
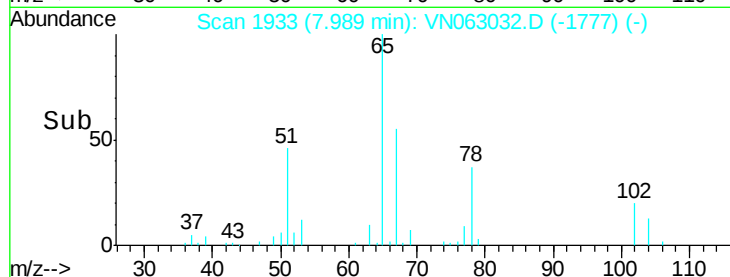
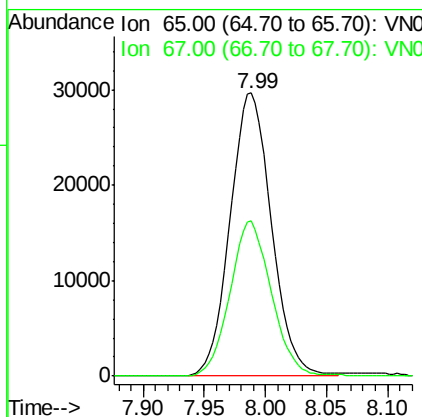
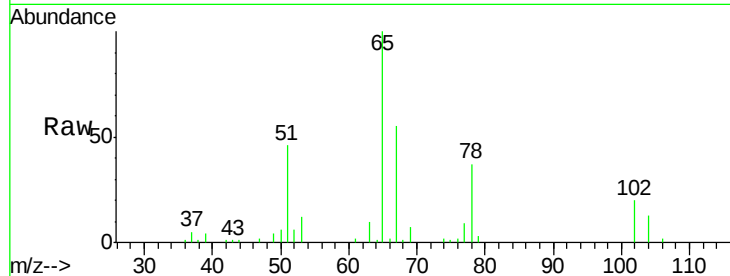
#27
 1,2-Dichloroethane-d4
 Concen: 30.815 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	43.8	65.6

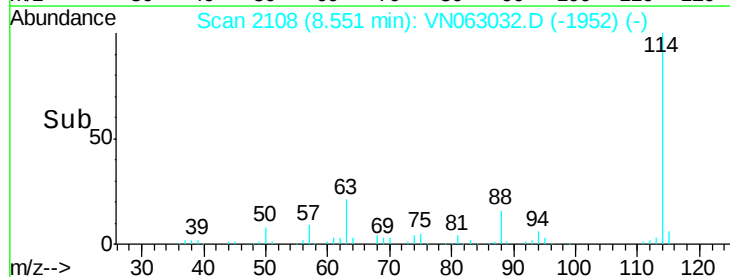
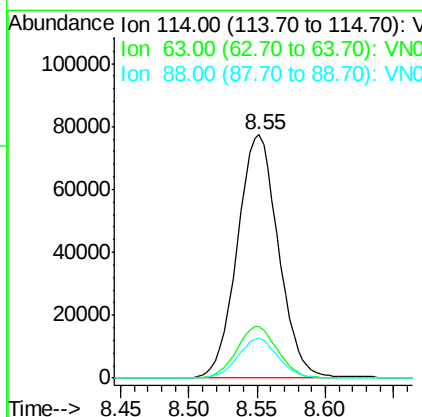
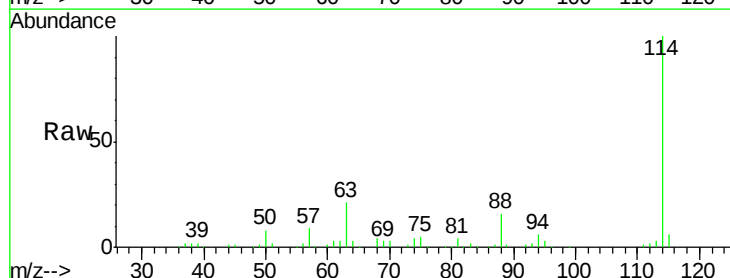
Manual Integrations
 APPROVED

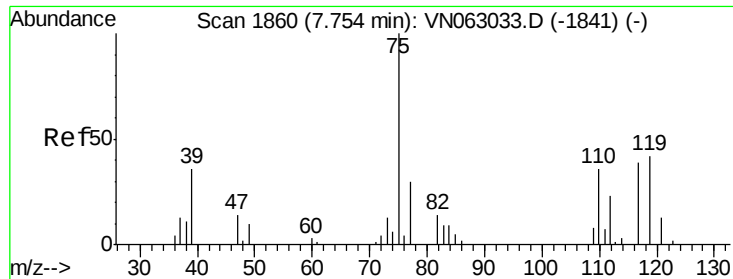
MMDadoda
 8/21/2020 9:22:03 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	17.0	25.6
88	15.9	12.6	18.8





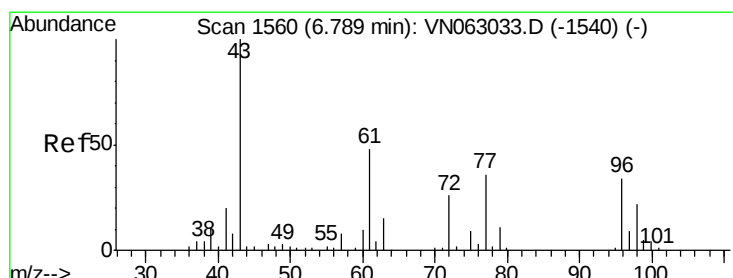
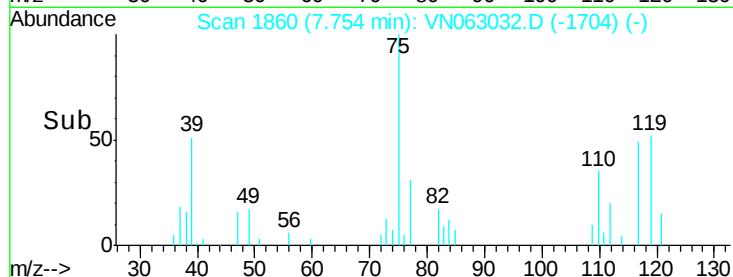
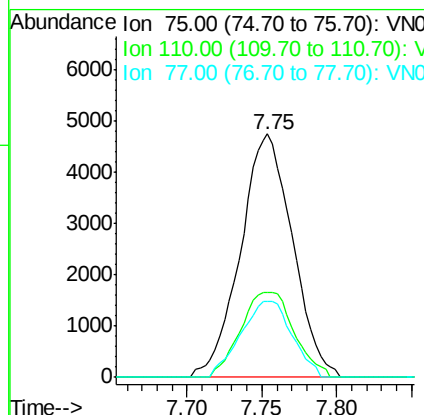
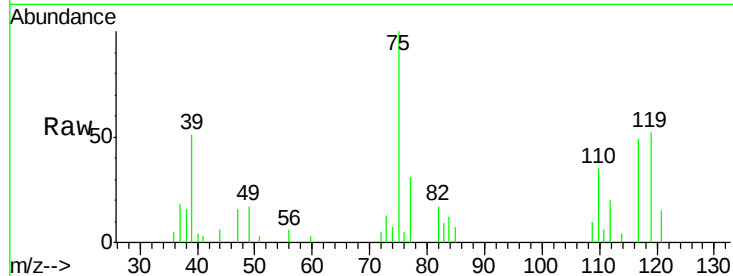
#29
 1,1-Dichloropropene
 Concen: 4.878 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.0	0.0	70.6
77	30.8	0.0	60.2

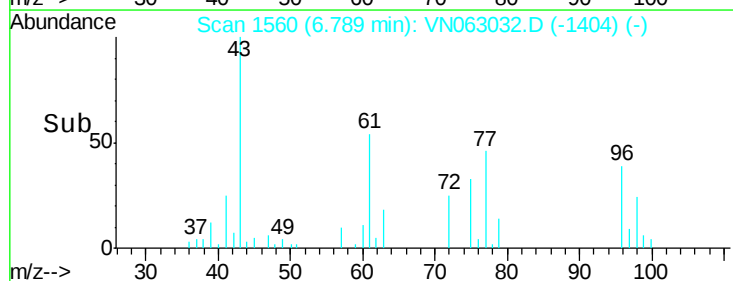
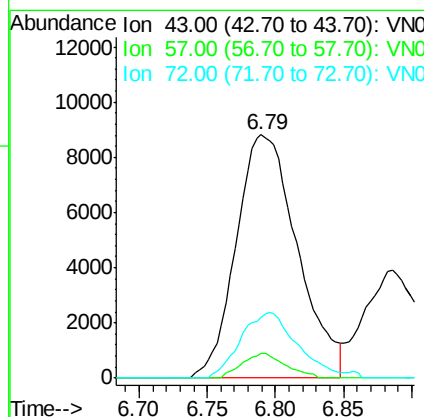
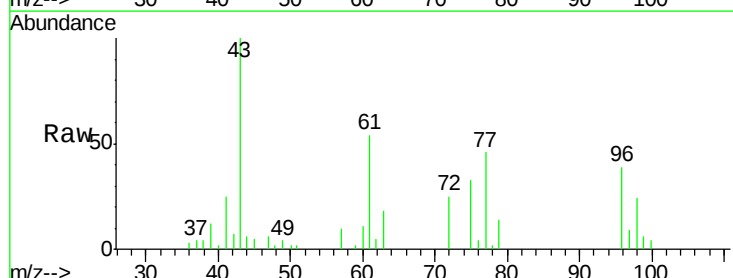
Manual Integrations
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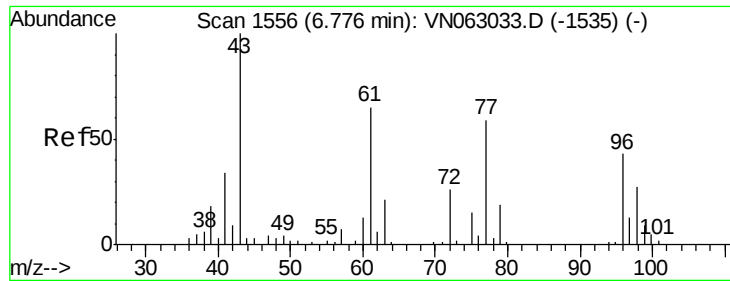
MMDadoda
 8/21/2020 9:22:03 AM



#30
 2-Butanone
 Concen: 25.159 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.2	6.6	9.8
72	24.8	21.3	31.9





#31

2,2-Dichloropropane

Concen: 5.428 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 77 Resp: 15494

Ion Ratio Lower Upper

77 100

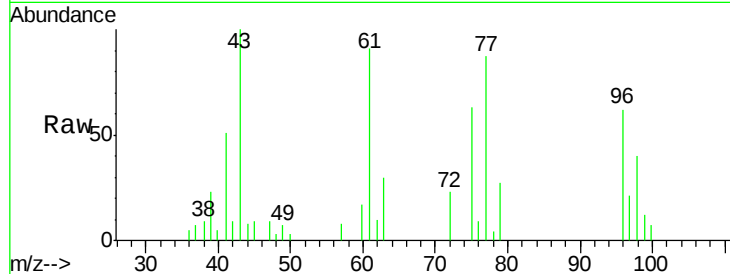
97 21.8 18.2 27.4

Manual Integrations

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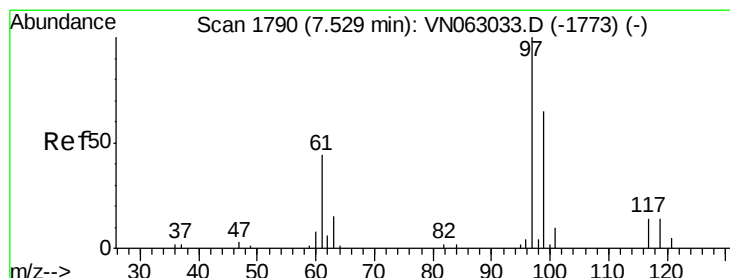
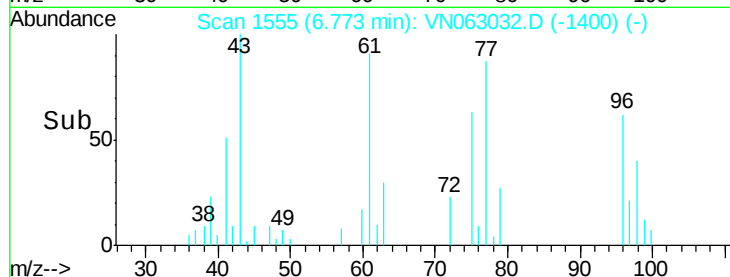
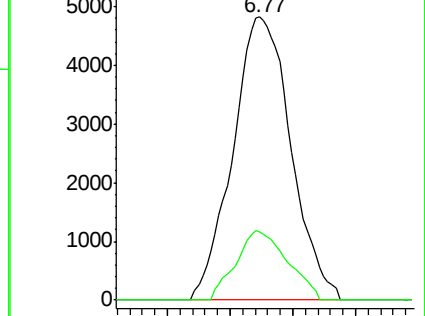
MMDadoda

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Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 5.307 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

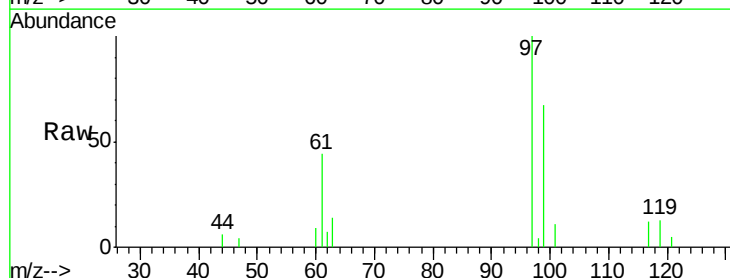
Tgt Ion: 97 Resp: 15013

Ion Ratio Lower Upper

97 100

99 64.8 51.7 77.5

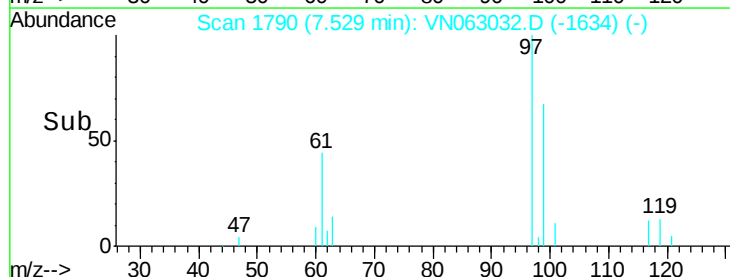
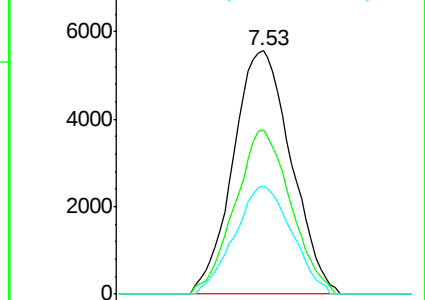
61 43.6 35.3 52.9

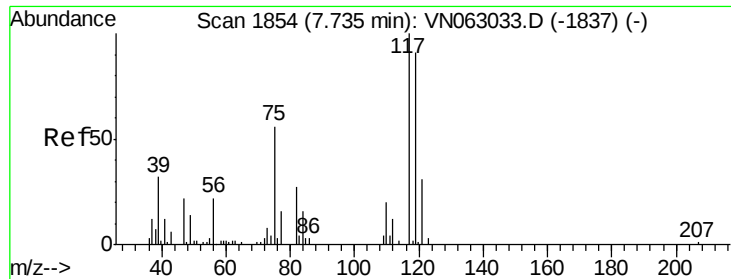


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





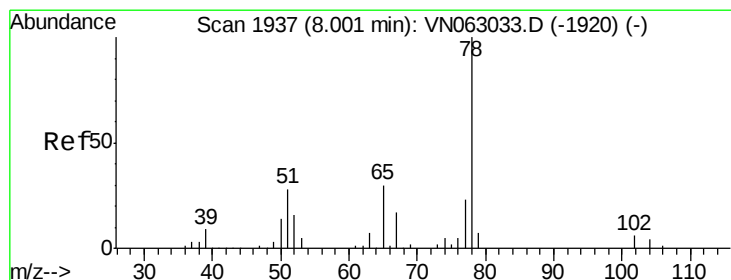
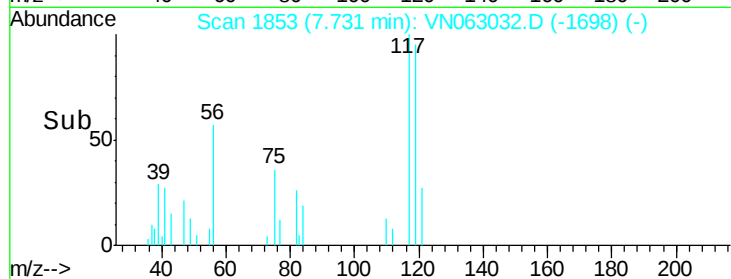
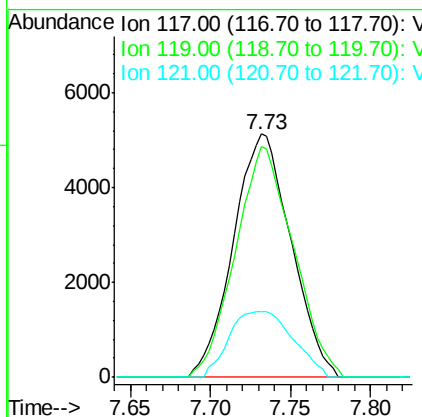
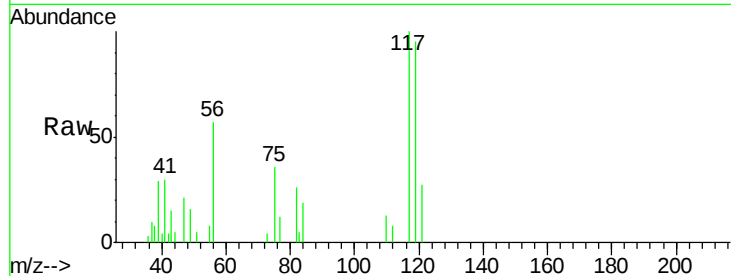
#33
Carbon Tetrachloride
Concen: 5.269 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.7	73.0	109.4
121	27.0	24.9	37.3

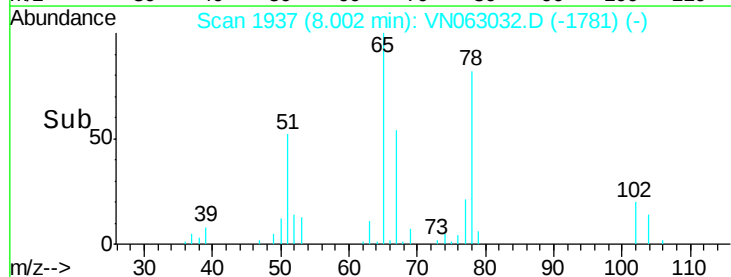
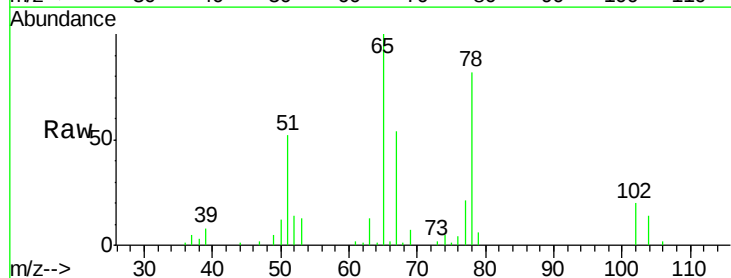
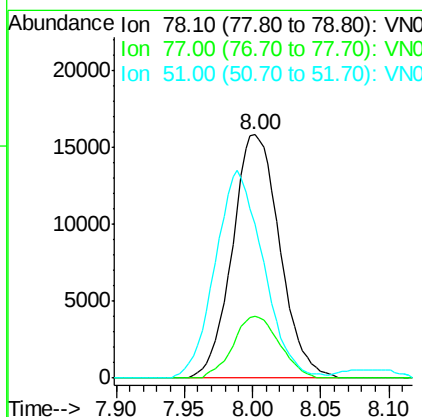
Manual Integrations
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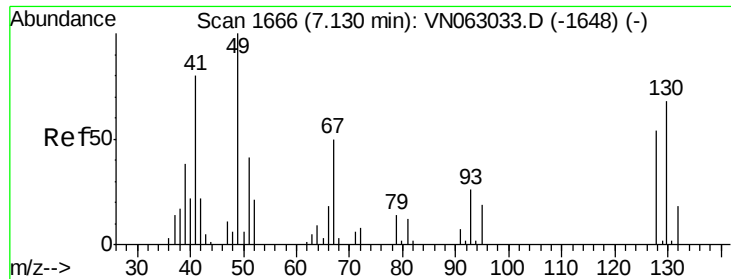
MMDadoda
8/21/2020 9:22:03 AM



#34
Benzene
Concen: 5.082 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.7	18.6	27.8
51	60.8	22.2	33.2





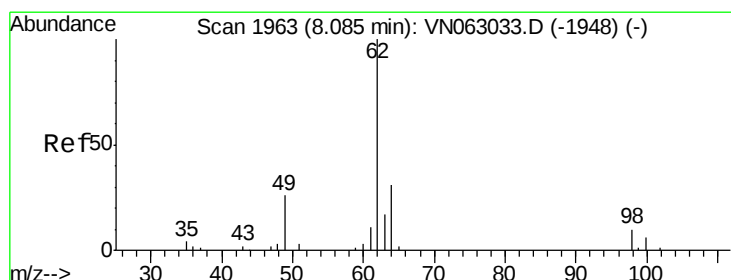
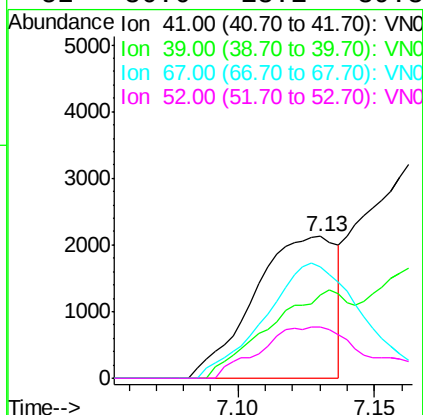
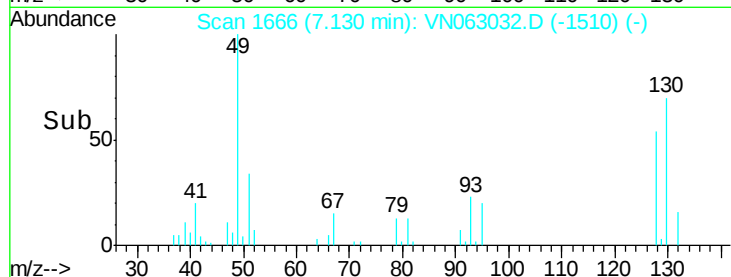
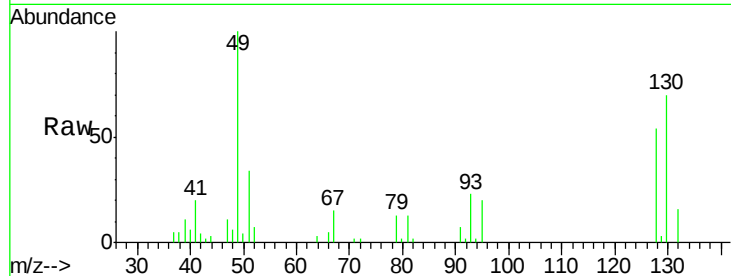
#35
Methacrylonitrile
Concen: 4.392 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	4484
Ion	Ratio	Lower	Upper
41	100		
39	58.6	23.7	71.1
67	78.8	31.6	94.7
52	36.6	13.1	39.3

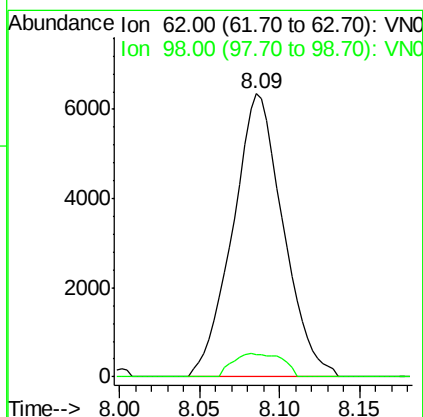
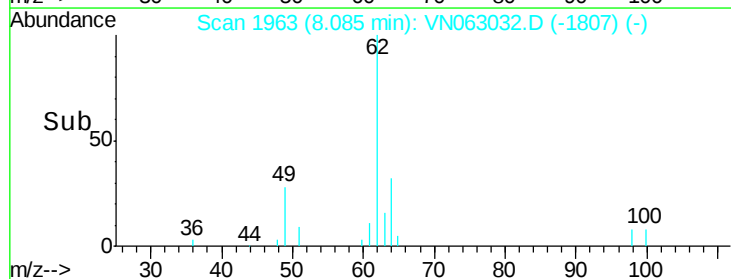
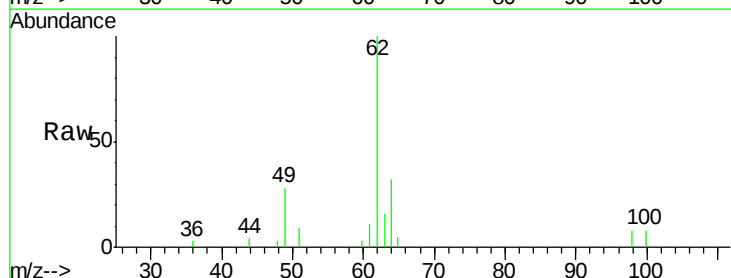
Manual Integrations
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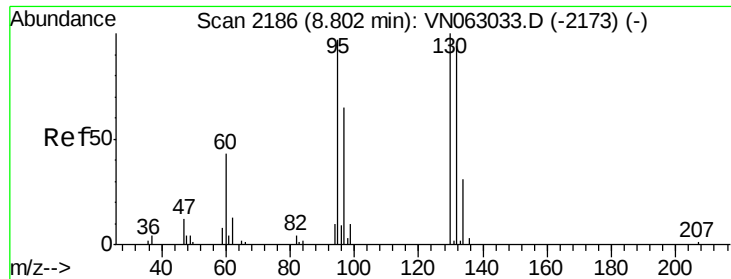
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#36
1,2-Dichloroethane
Concen: 5.345 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion:	62	Resp:	13725
Ion	Ratio	Lower	Upper
62	100		
98	8.0	7.6	11.4





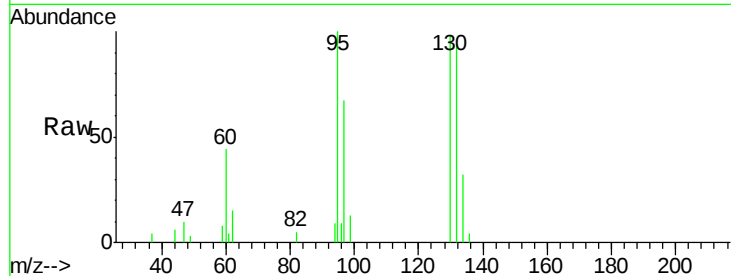
#37
 Trichloroethene
 Concen: 5.201 ug/l
 RT: 8.81 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

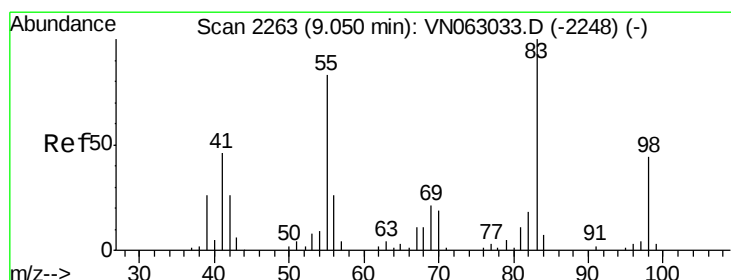
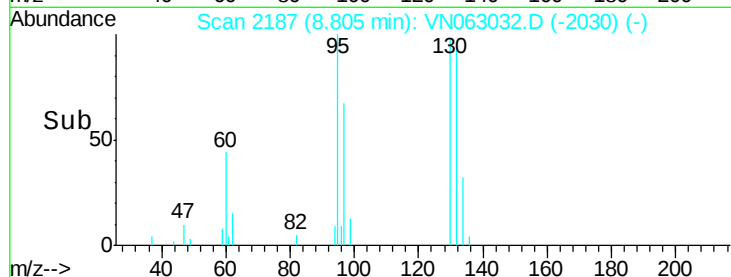
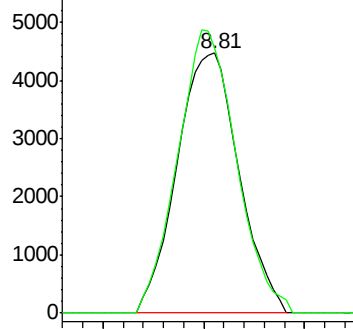
Tot Ion:130 Resp: 9586
 Ion Ratio Lower Upper
 130 100
 95 101.9 78.9 118.3

Manual Integrations
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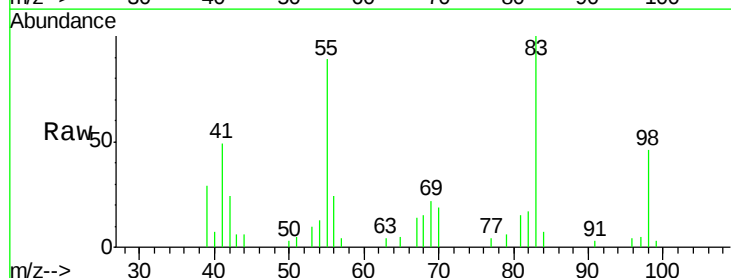


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN0

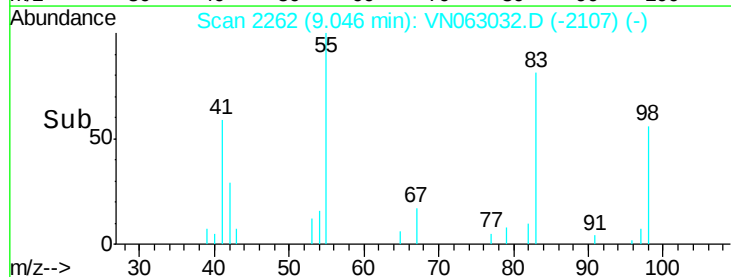
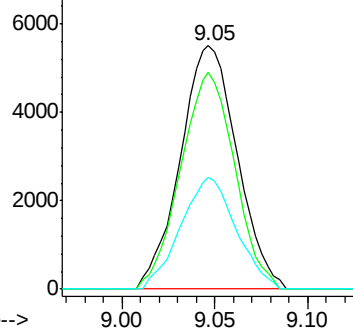


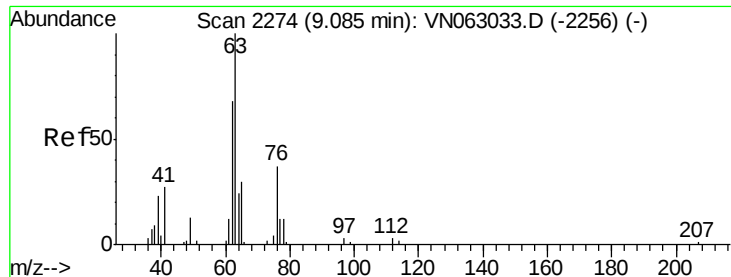
#38
 Methylcyclohexane
 Concen: 3.978 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 83 Resp: 11717
 Ion Ratio Lower Upper
 83 100
 55 84.6 41.9 125.7
 98 44.7 22.2 66.6



Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 55.00 (54.70 to 55.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





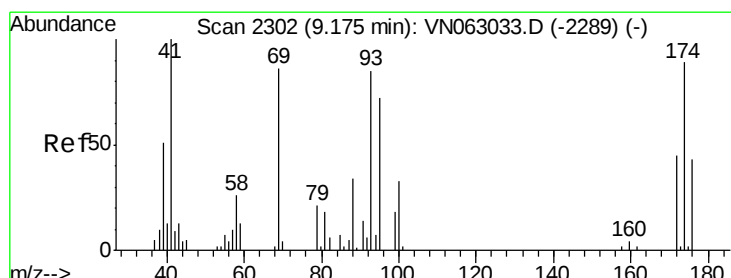
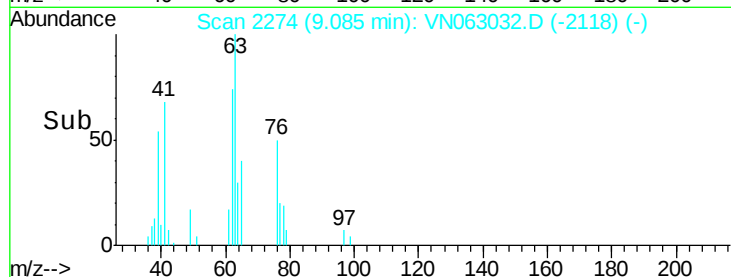
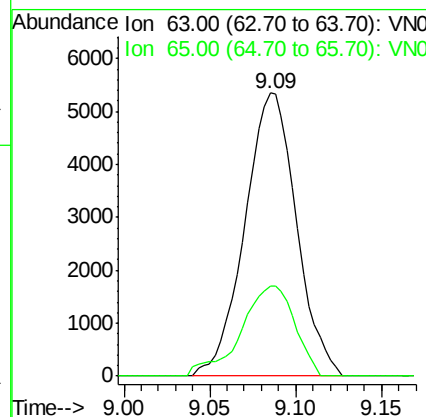
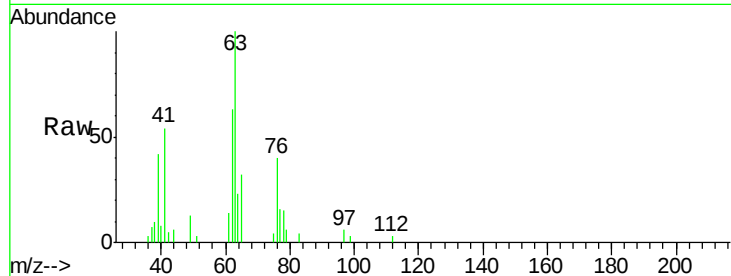
#39
 1,2-Dichloropropane
 Concen: 5.092 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 11153
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.1 37.7

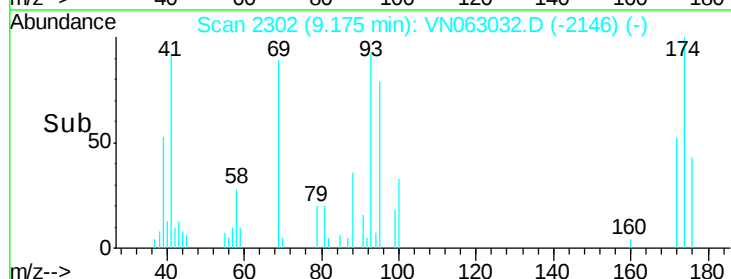
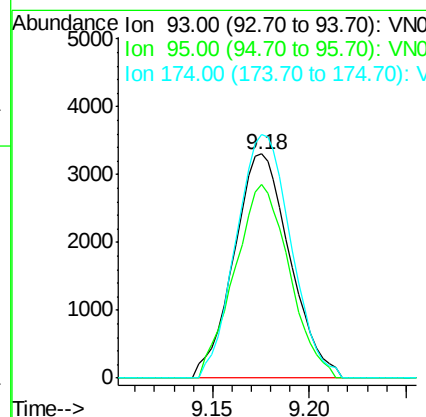
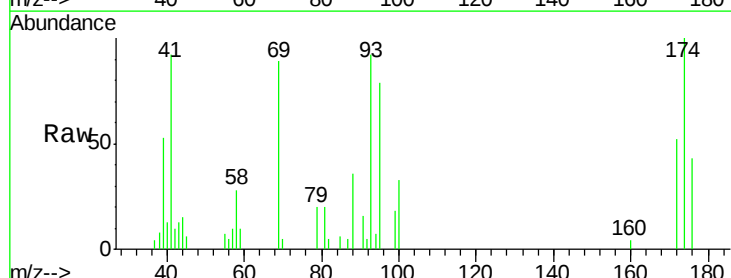
Manual Integrations
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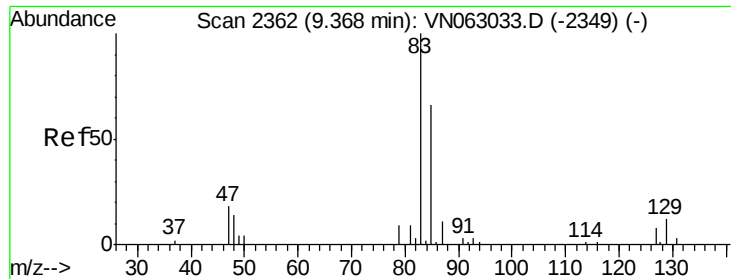
MMDadoda
 8/21/2020 9:22:03 AM



#40
 Dibromomethane
 Concen: 5.235 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 93 Resp: 6658
 Ion Ratio Lower Upper
 93 100
 95 84.2 0.0 168.2
 174 106.6 0.0 208.4





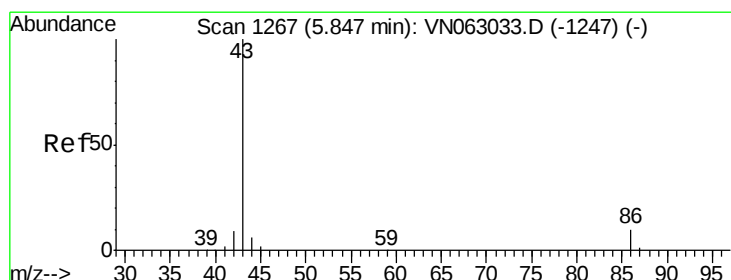
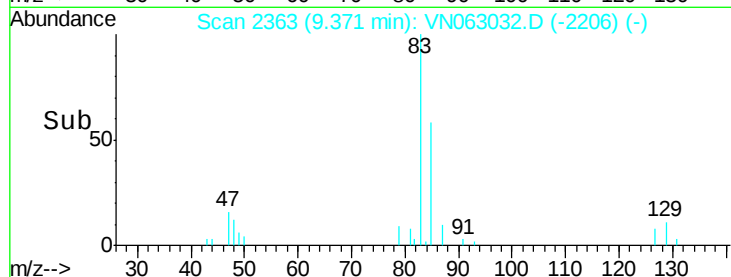
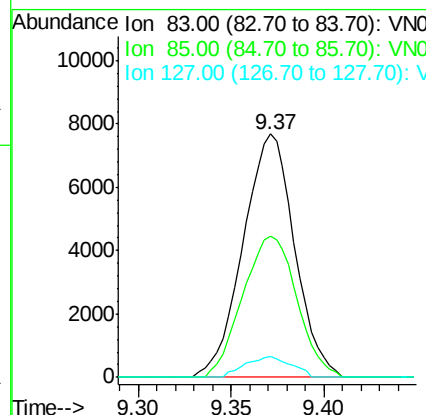
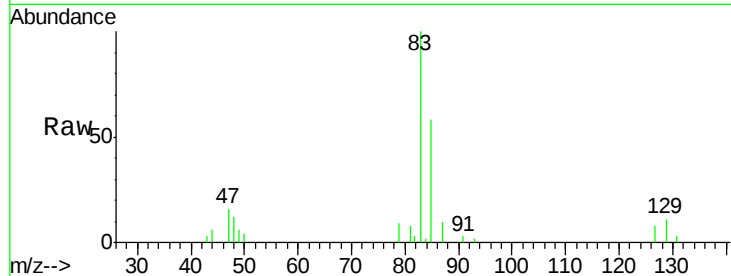
#41
 Bromodichloromethane
 Concen: 5.277 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	14871
Ion Ratio	100	Lower	Upper
83	100		
85	58.0	52.6	79.0
127	8.4	7.4	11.0

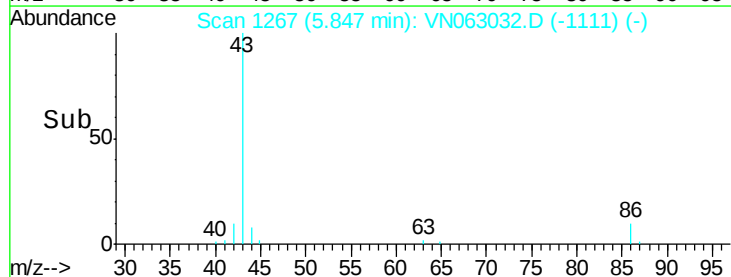
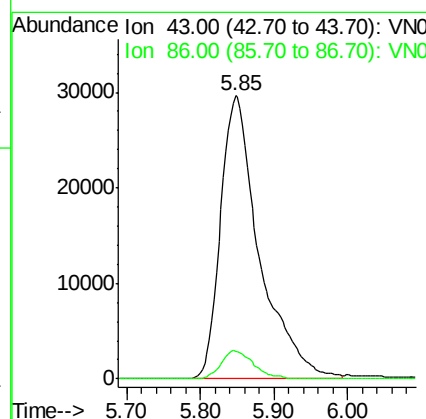
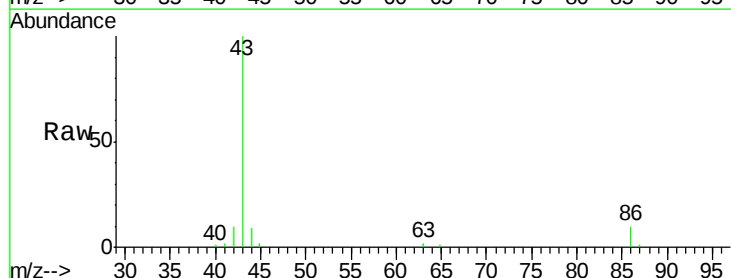
Manual Integrations
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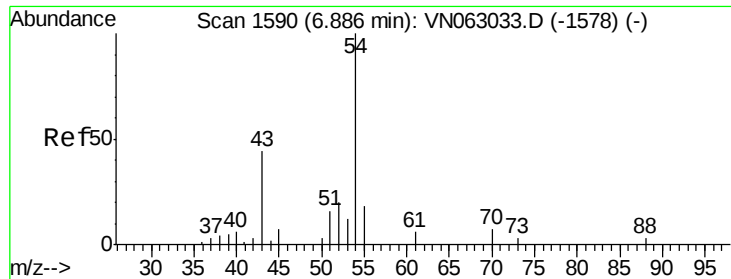
MMDadoda
 8/21/2020 9:22:03 AM



#42
 Vinyl Acetate
 Concen: 26.220 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion	43	Resp	108729
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	6.7	10.1





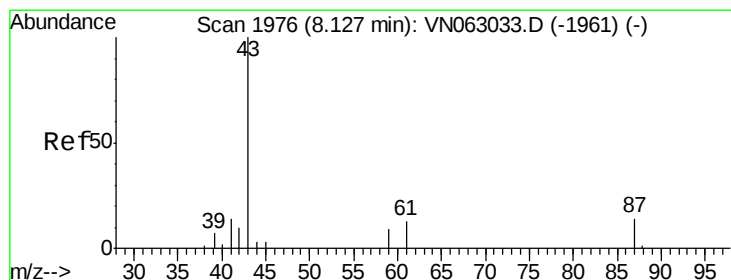
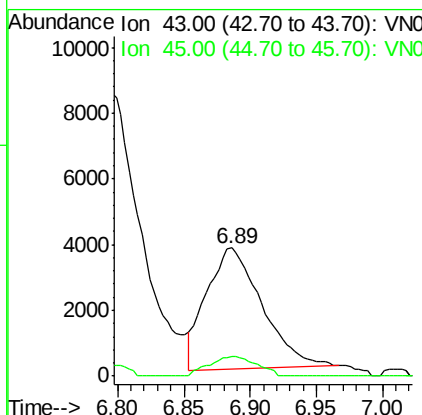
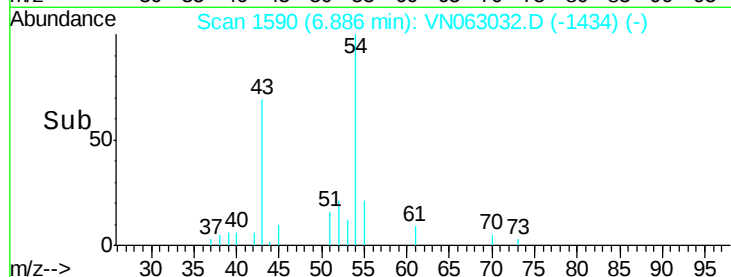
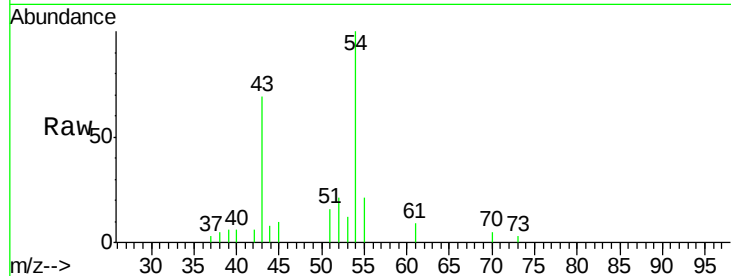
#43
Ethyl Acetate
Concen: 5.168 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleID :
VSTDIC005

Tot Ion	43	45	Ratio	100	13.7	Resp:	10798	Lower	11.3	Upper	16.9
Ion	43	45	Ratio	100	13.7	Resp:	10798	Lower	11.3	Upper	16.9

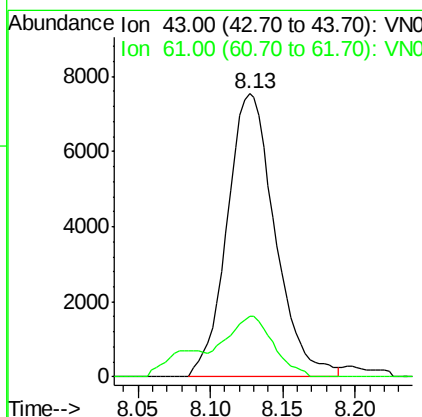
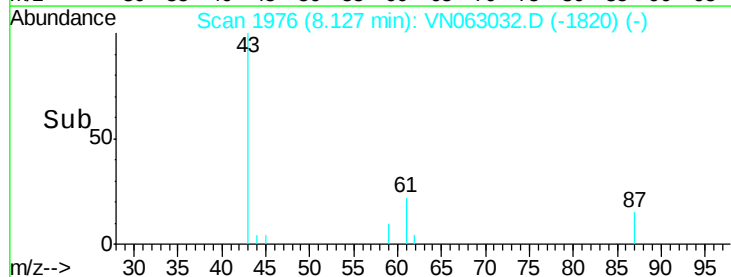
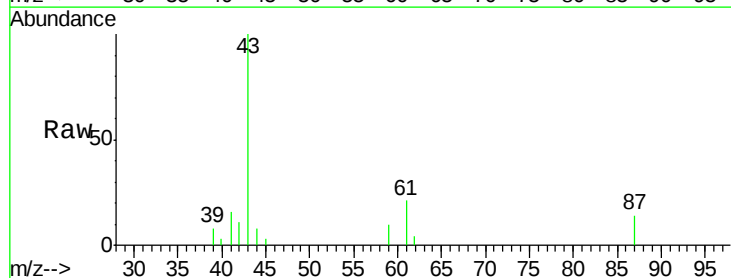
Manual Integrations
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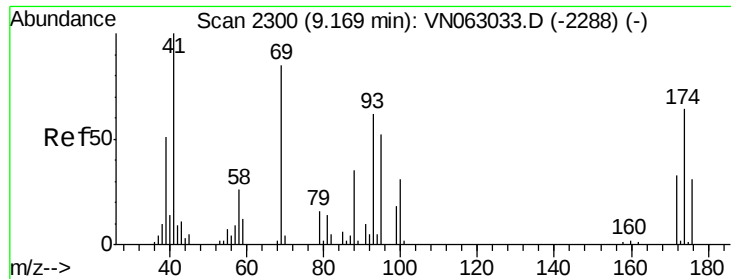
MMDadoda
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#44
Isopropyl Acetate
Concen: 4.943 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	43	61	Ratio	100	21.5	Resp:	17337	Lower	17.5	Upper	26.3
Ion	43	61	Ratio	100	21.5	Resp:	17337	Lower	17.5	Upper	26.3





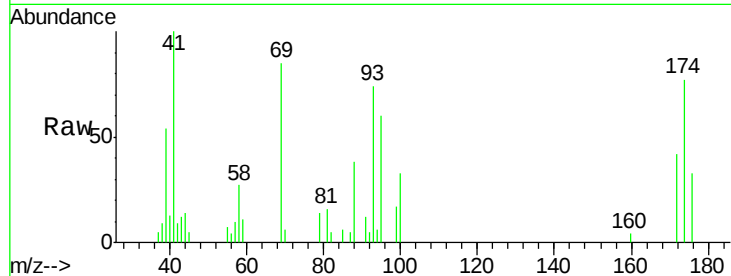
#45
 1,4-Dioxane
 Concen: 88.674 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

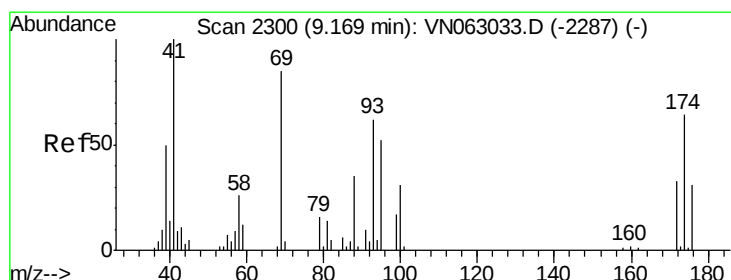
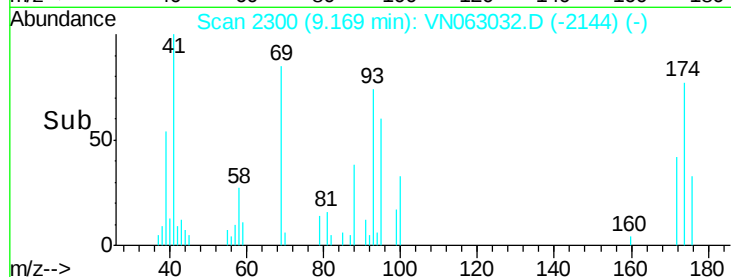
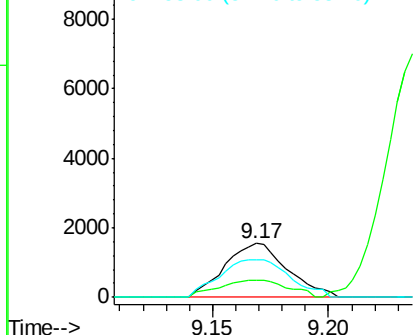
Tot Ion	88	Resp	2913
Ion	Ratio	Lower	Upper
88	100		
43	35.3	28.5	42.7
58	77.5	59.6	89.4

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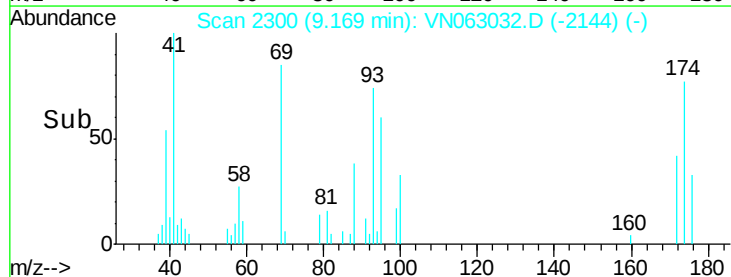
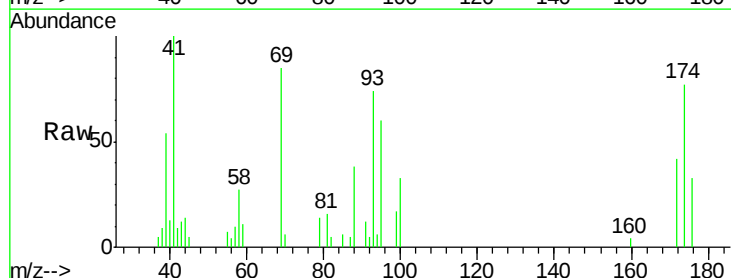
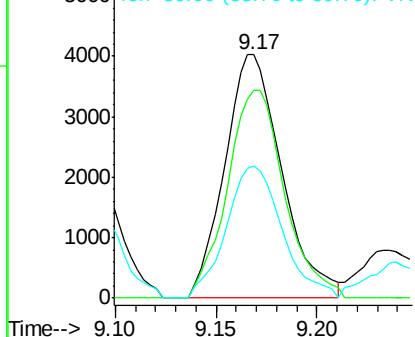
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

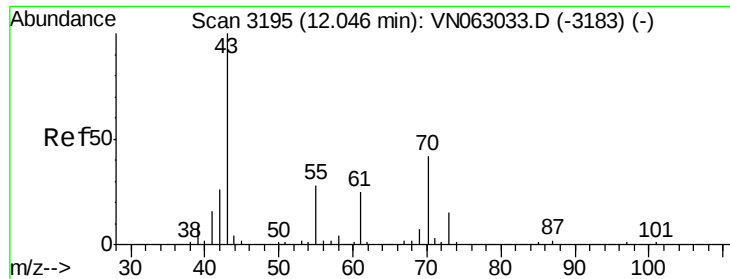


#46
 Methyl methacrylate
 Concen: 4.615 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion	41	Resp	7969
Ion	Ratio	Lower	Upper
41	100		
69	85.3	42.6	128.0
39	54.4	25.1	75.4

Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





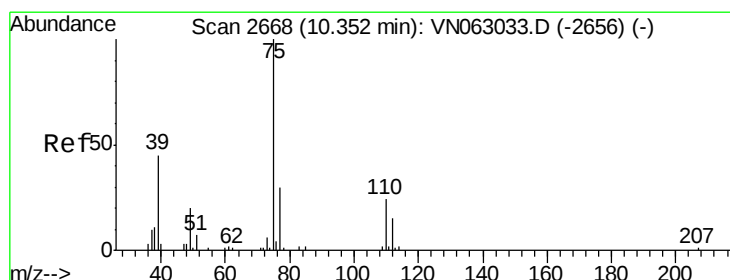
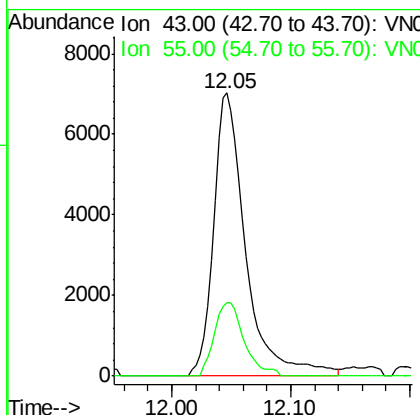
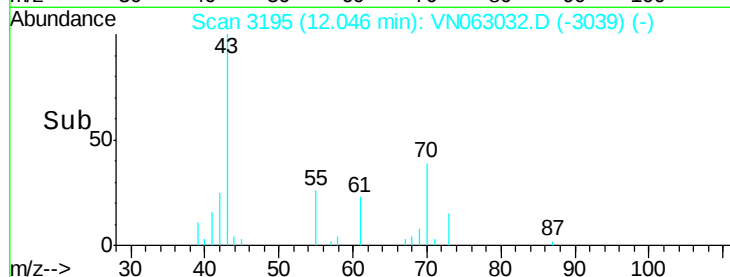
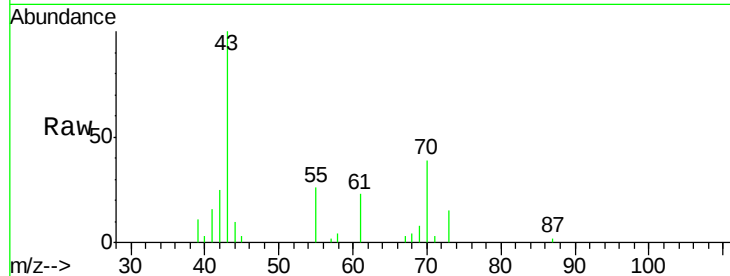
#47
n-amvl Acetate
Concen: 4.216 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	13125
Ion Ratio	100	Lower	Upper
43	100		
55	23.4	21.2	31.8

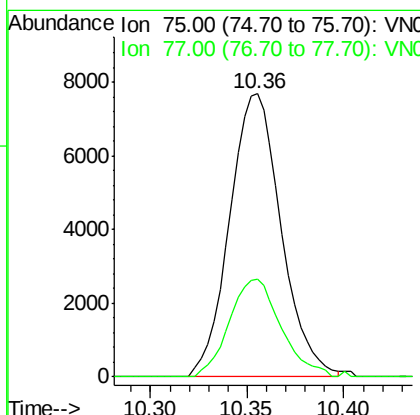
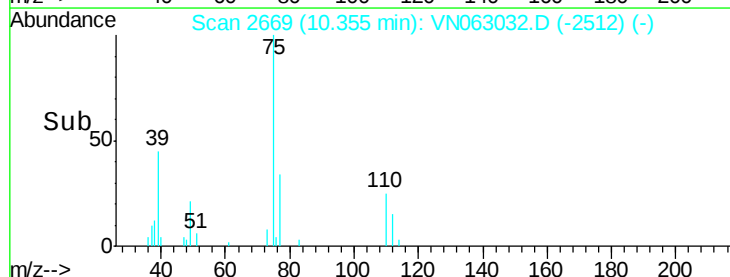
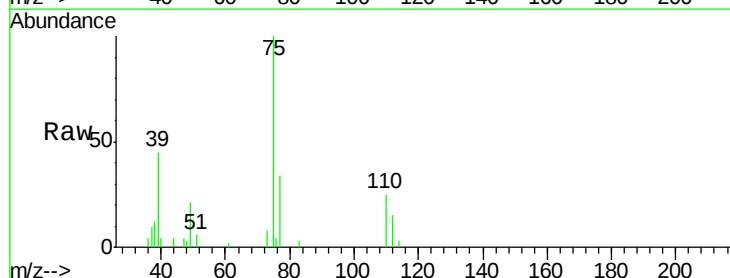
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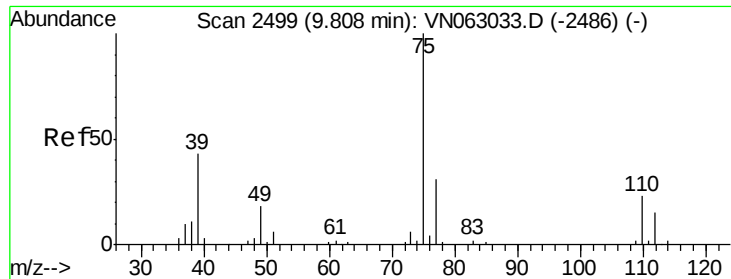
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 4.783 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	75	Resp	14237
Ion Ratio	100	Lower	Upper
75	100		
77	34.5	23.8	35.8





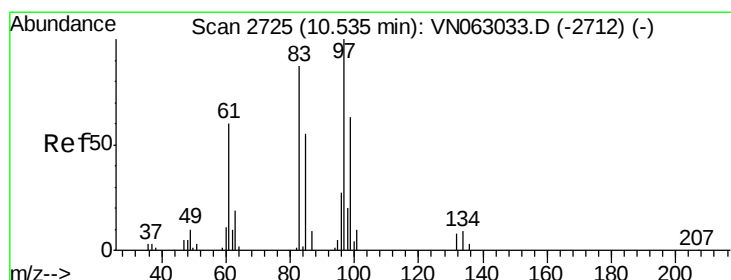
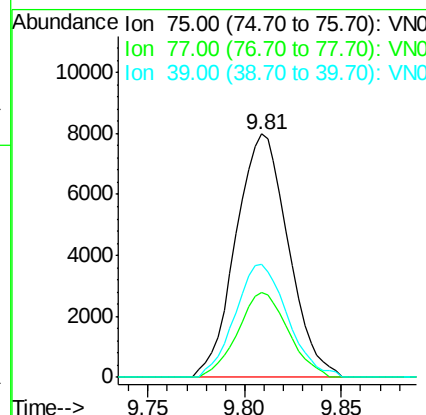
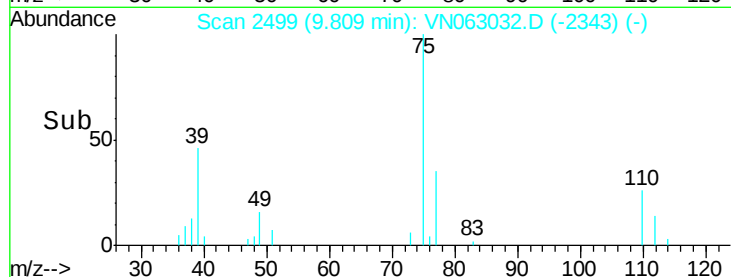
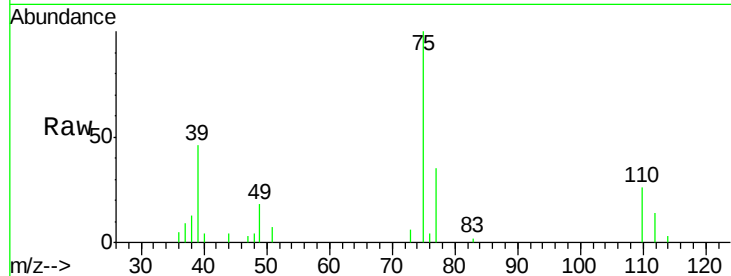
#49
 cis-1,3-Dichloropropene
 Concen: 4.650 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.1	24.8	37.2
39	46.2	34.5	51.7

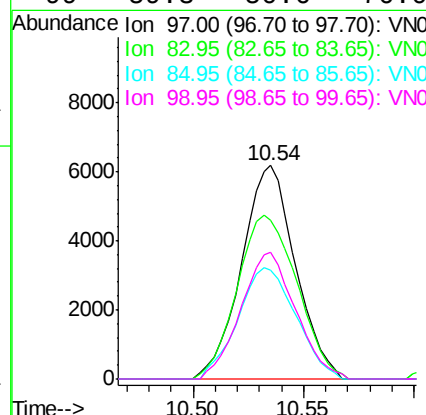
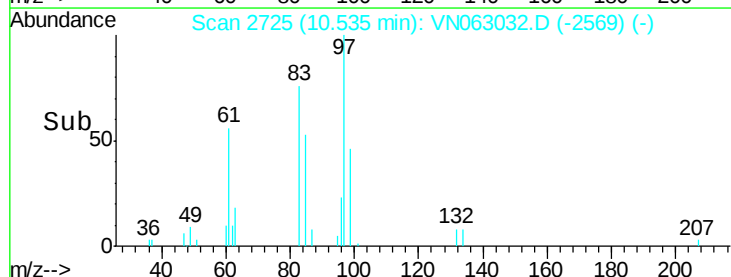
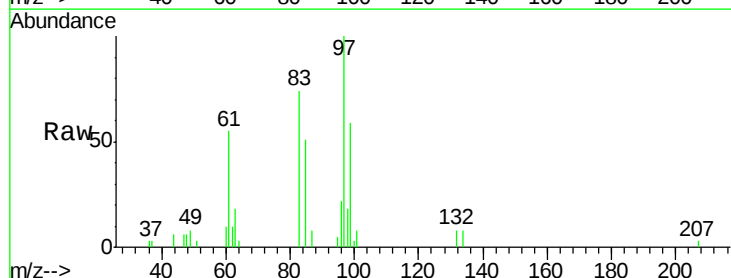
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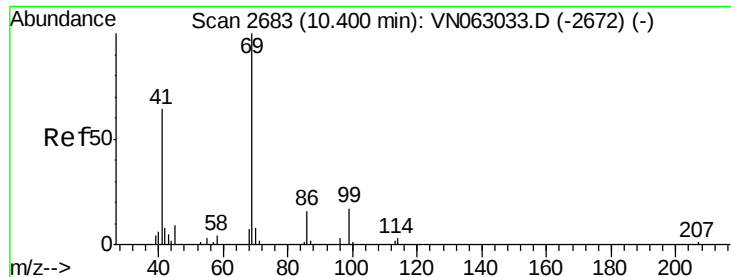
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#50
 1,1,2-Trichloroethane
 Concen: 5.328 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
97	100		
83	74.2	69.9	104.9
85	51.2	44.0	66.0
99	59.3	50.6	76.0





#51

Ethyl methacrylate

Concen: 4.151 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

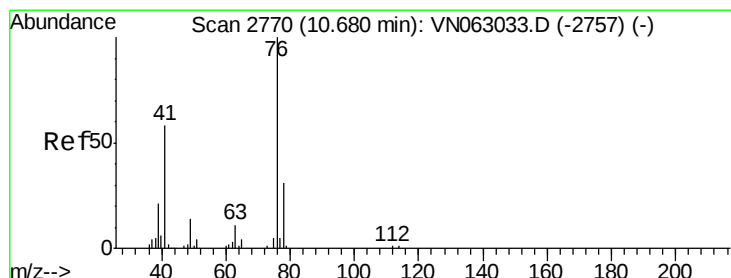
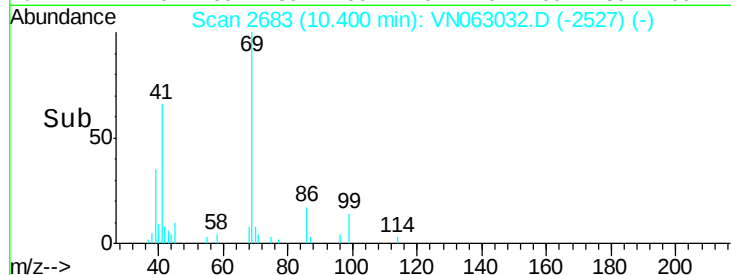
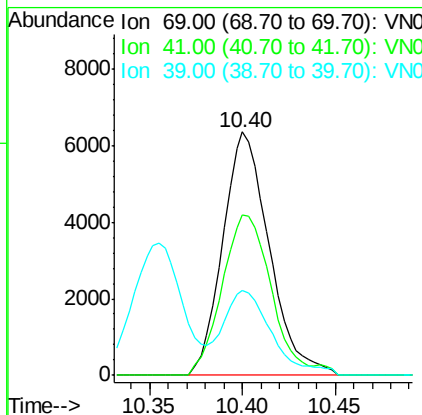
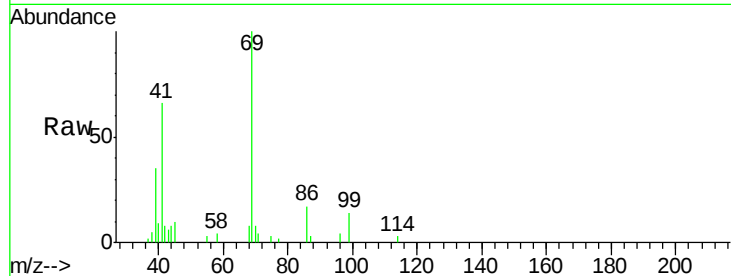
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	11073
Ion	Ratio	Lower	Upper
69	100		
41	66.0	32.1	96.5
39	34.7	16.1	48.3

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#52

1,3-Dichloropropane

Concen: 4.981 ug/l

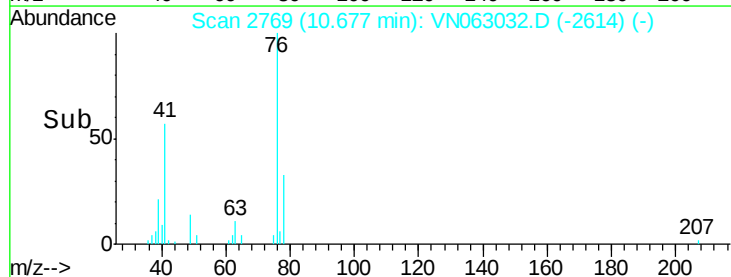
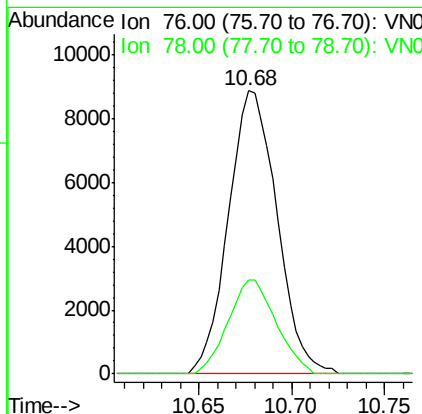
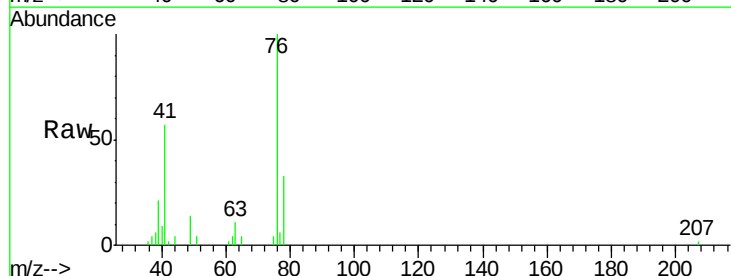
RT: 10.68 min Scan# 2769

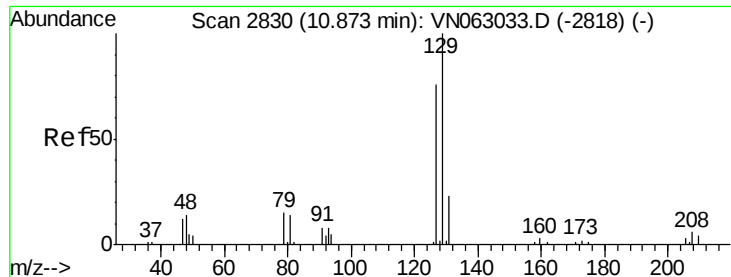
Delta R.T. -0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Tgt Ion:	76	Resp:	16137
Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	63.2





#53

Dibromochloromethane

Concen: 4.827 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 10386

Ion Ratio Lower Upper

129 100

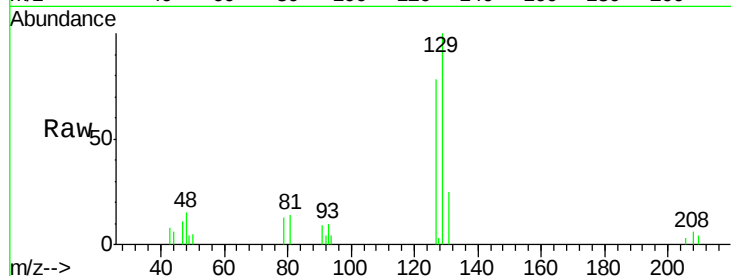
127 79.0 38.7 116.1

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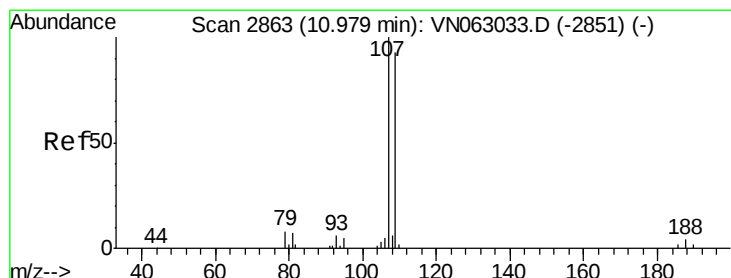
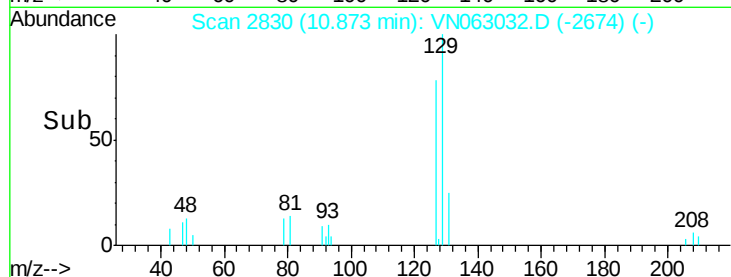
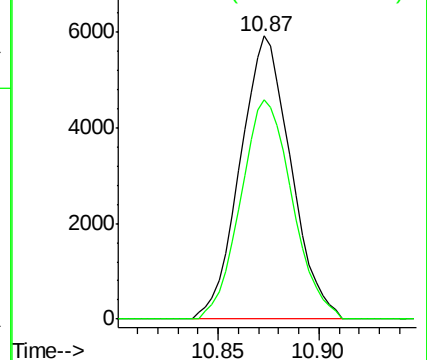
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.858 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN063032.D

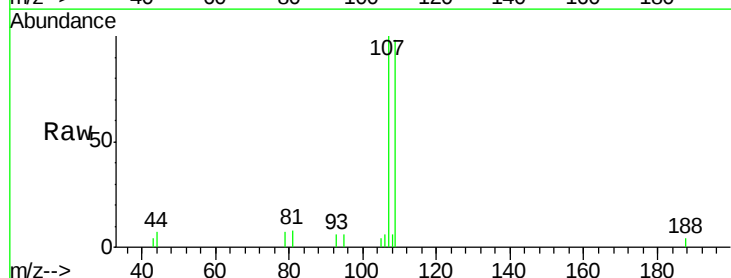
Acq: 20 Aug 2020 12:36

Tgt Ion:107 Resp: 9139

Ion Ratio Lower Upper

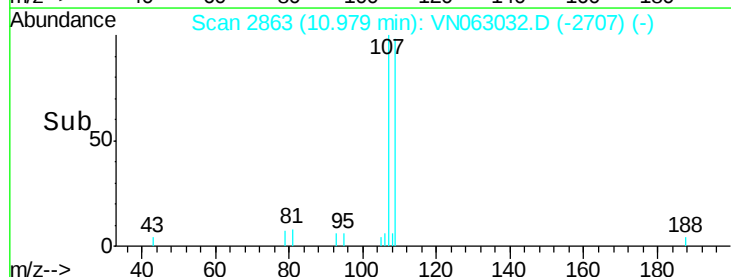
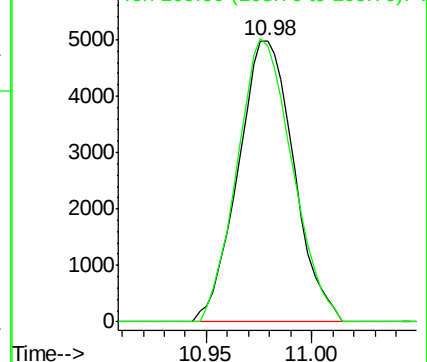
107 100

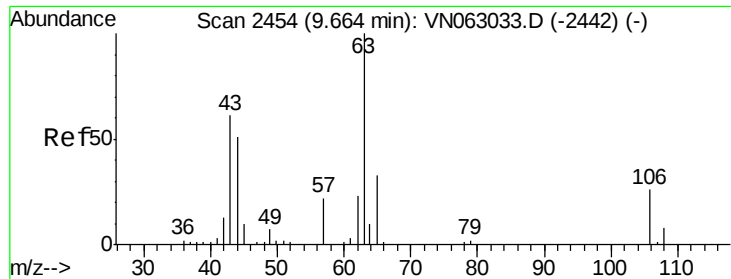
109 99.5 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 16.834 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

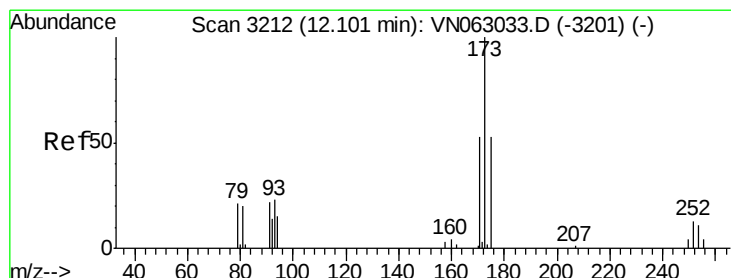
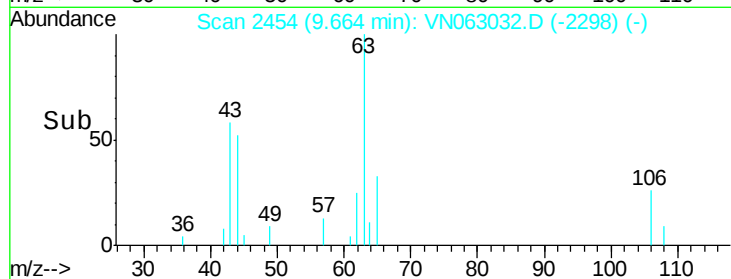
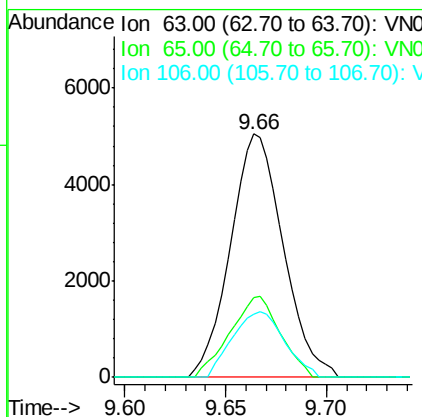
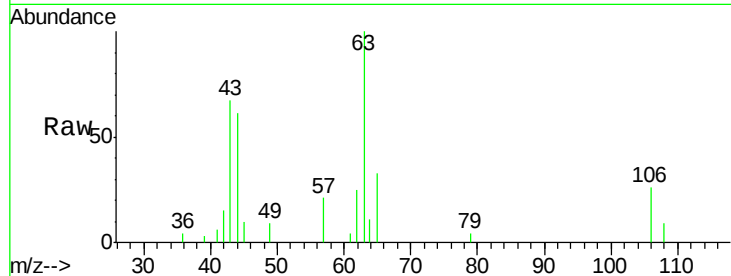
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	9225
Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.9	38.9
106	26.7	19.9	29.9

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#56

Bromoform

Concen: 4.823 ug/l

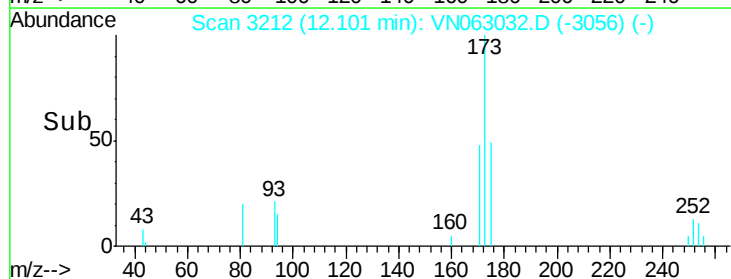
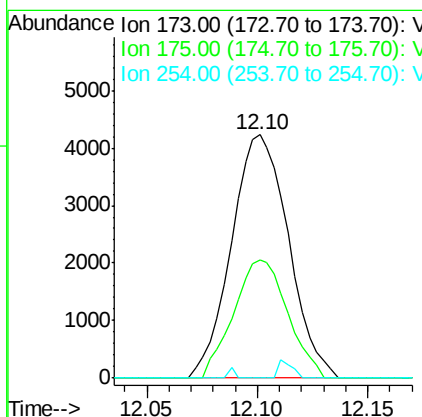
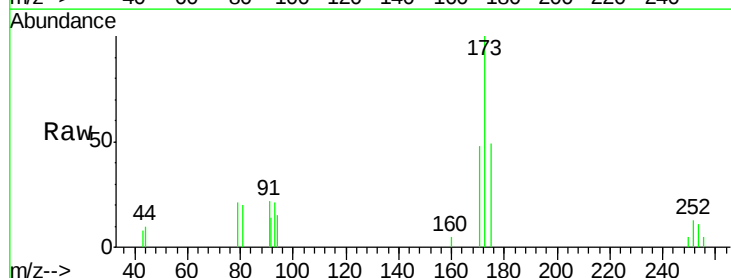
RT: 12.10 min Scan# 3212

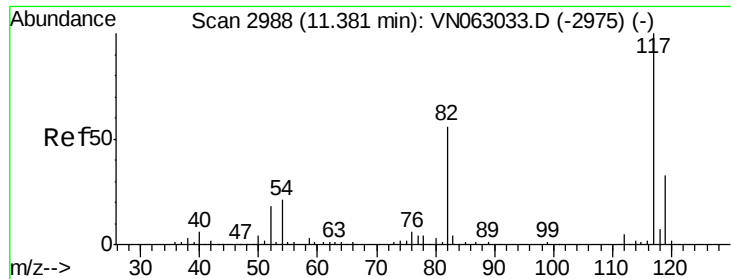
Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Tgt Ion:	173	Resp:	7600
Ion	Ratio	Lower	Upper
173	100		
175	45.9	41.2	61.8
254	1.9	9.0	13.4#





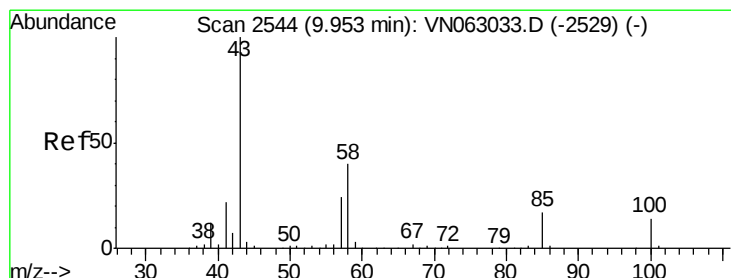
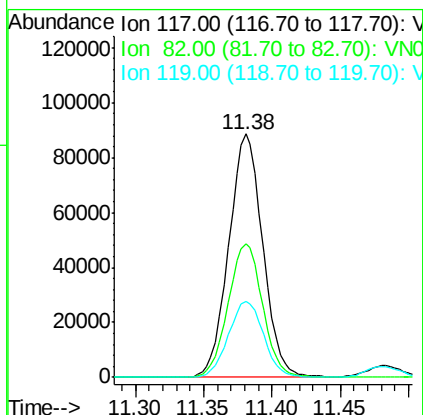
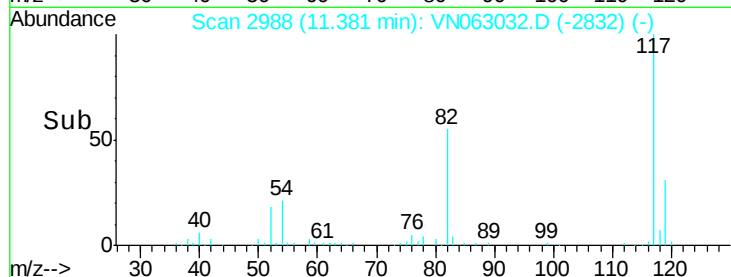
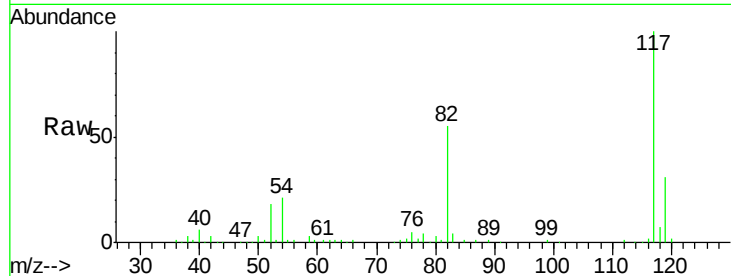
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.9	67.3
119	32.1	26.0	39.0

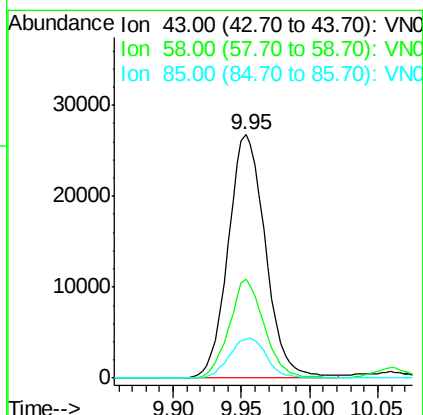
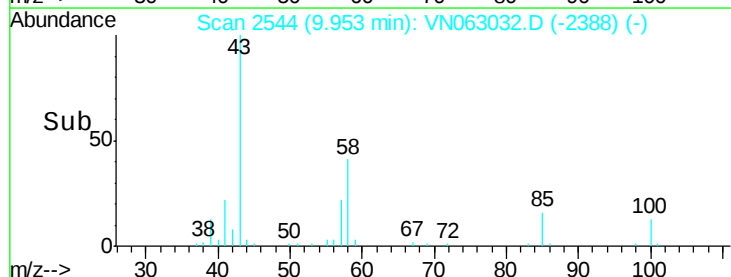
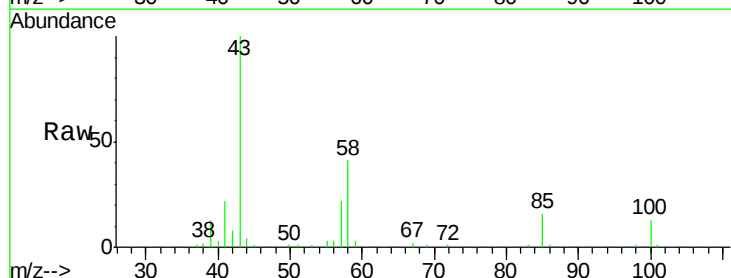
Manual Integrations
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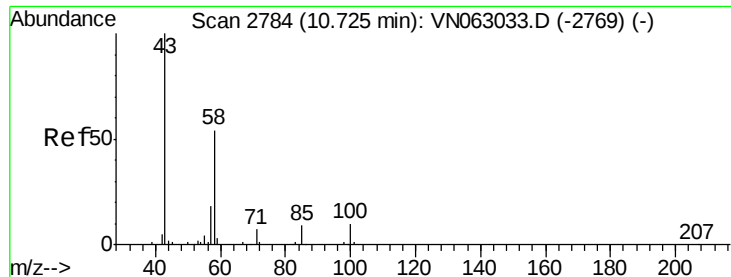
MMDadoda
8/21/2020 9:22:03 AM



#58
4-Methyl-2-Pentanone
Concen: 23.080 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.0	31.4	47.0
85	16.4	13.4	20.2





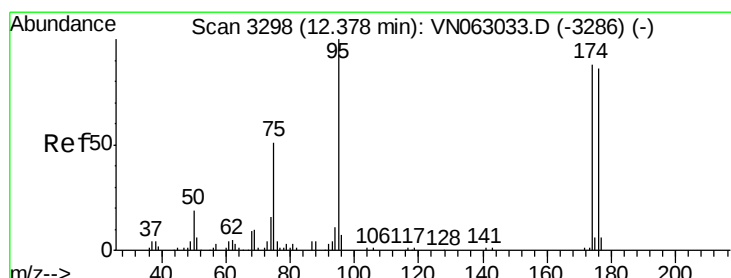
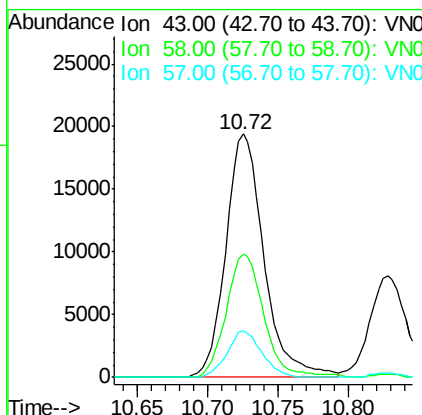
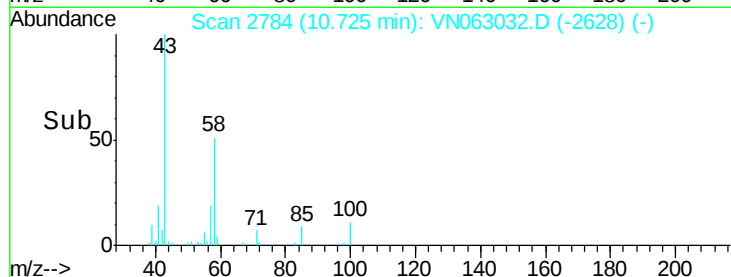
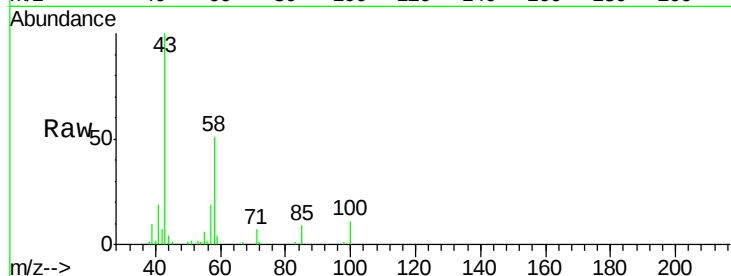
#59
2-Hexanone
Concen: 23.310 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	42.6	64.0
57	17.3	14.6	21.8

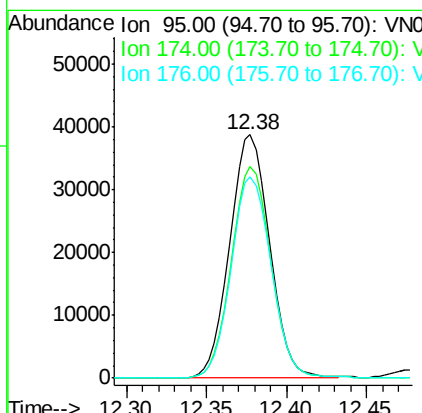
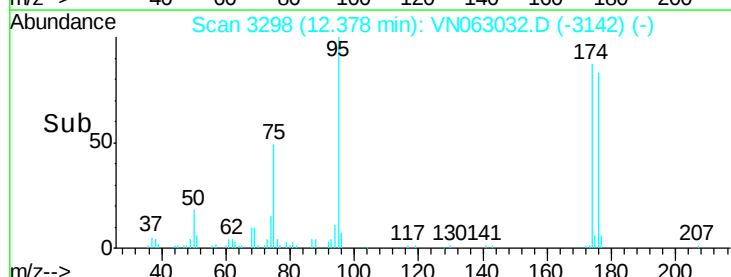
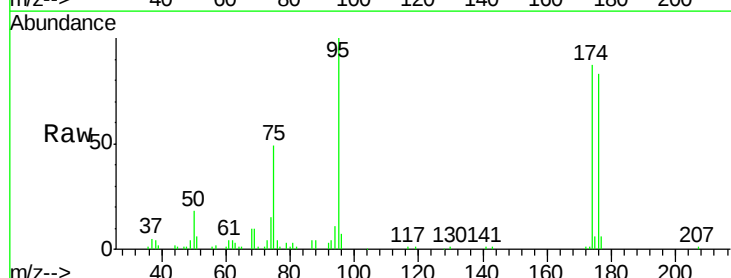
Manual Integrations
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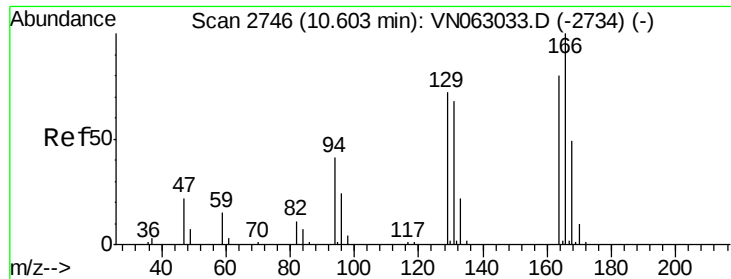
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#60
4-Bromofluorobenzene
Concen: 27.247 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.2	70.1	105.1
176	83.3	66.8	100.2





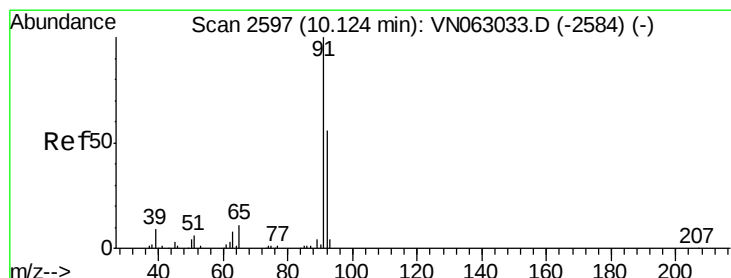
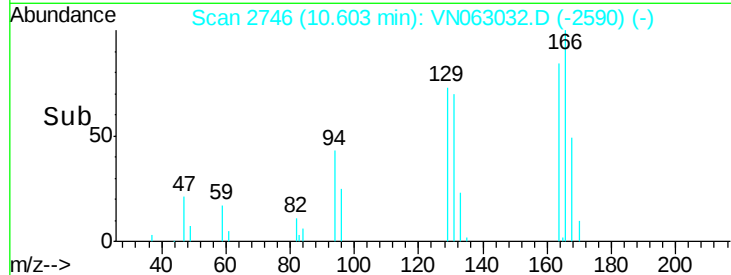
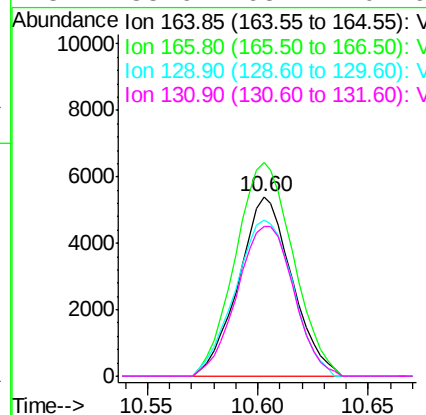
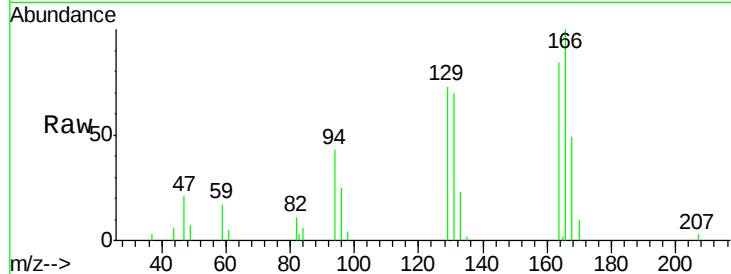
#61
 Tetrachloroethene
 Concen: 5.435 ug/l
 RT: 10.60 min Scan# 2746
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	164	Resp:	9129
Ion	Ratio	Lower	Upper
164	100		
166	118.8	100.1	150.1
129	86.9	72.5	108.7
131	83.6	68.4	102.6

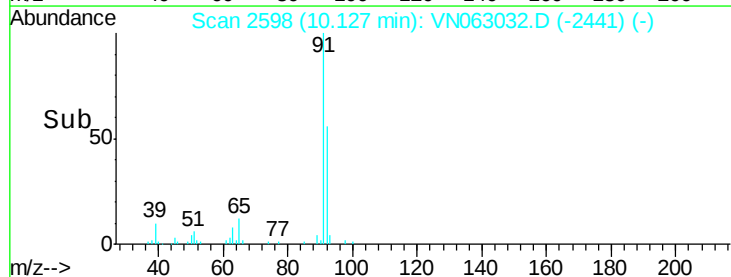
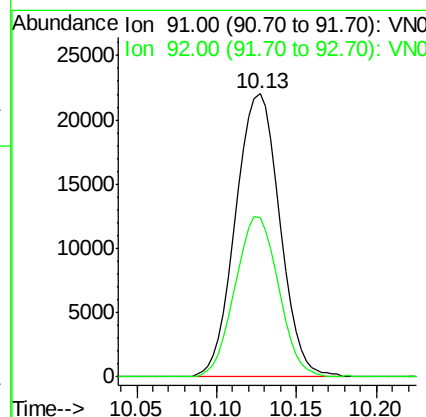
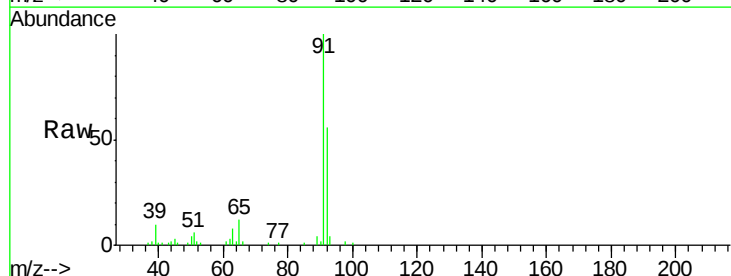
Manual Integrations
 APPROVED

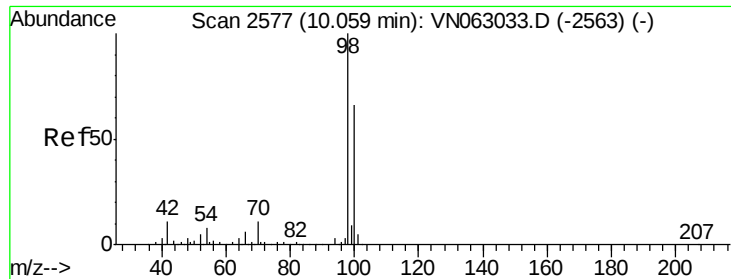
MMDadoda
 8/21/2020 9:22:03 AM



#62
 Toluene
 Concen: 5.128 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion:	91	Resp:	41635
Ion	Ratio	Lower	Upper
91	100		
92	55.6	45.5	68.3





#63

Toluene-d8

Concen: 29.996 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 98 Resp: 210908

Ion Ratio Lower Upper

98 100

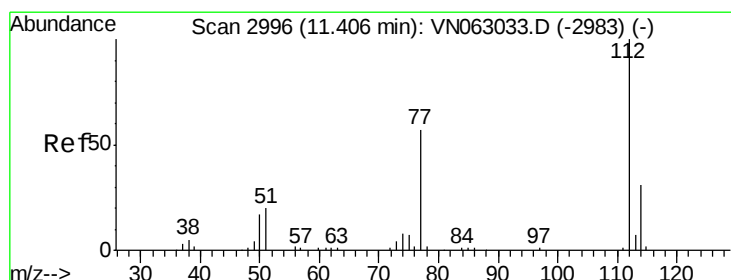
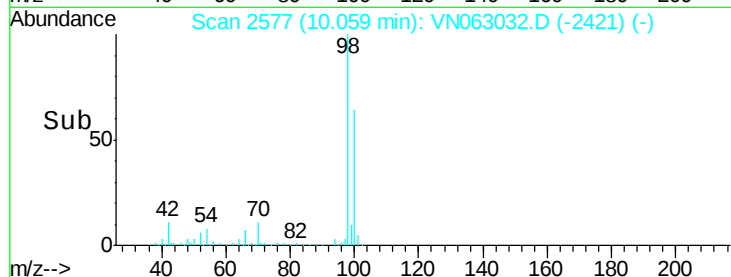
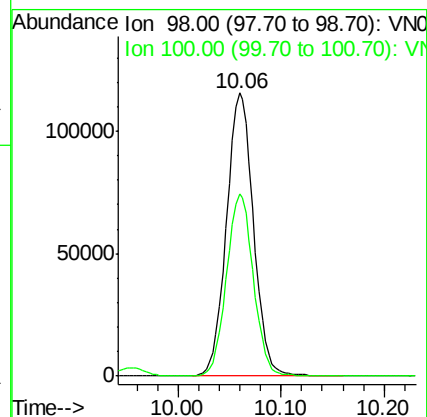
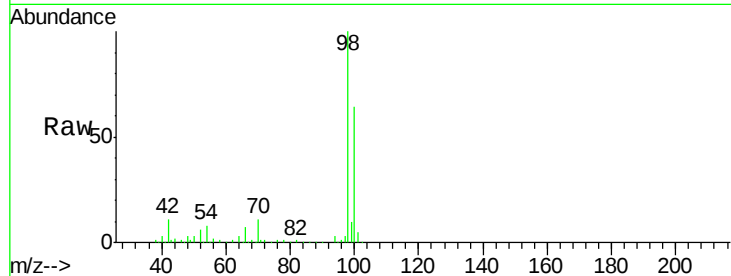
100 64.0 51.4 77.2

Manual Integrations

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#64

Chlorobenzene

Concen: 4.924 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN063032.D

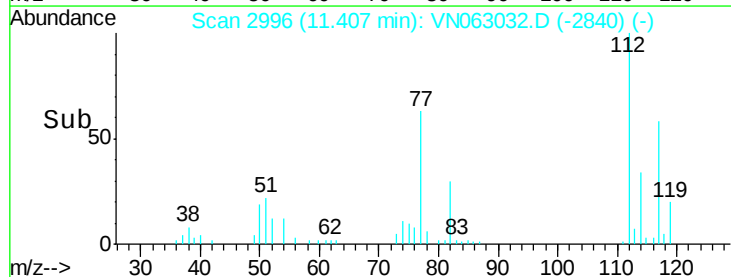
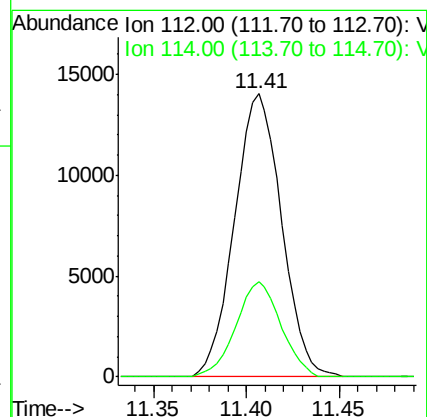
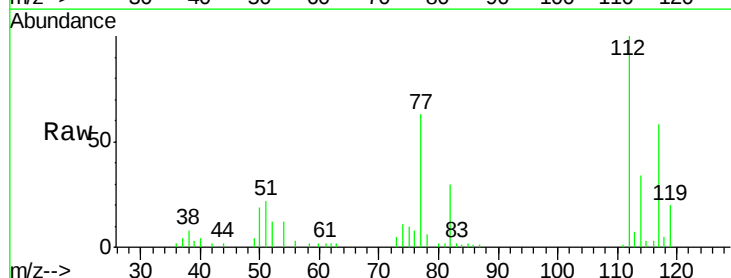
Acq: 20 Aug 2020 12:36

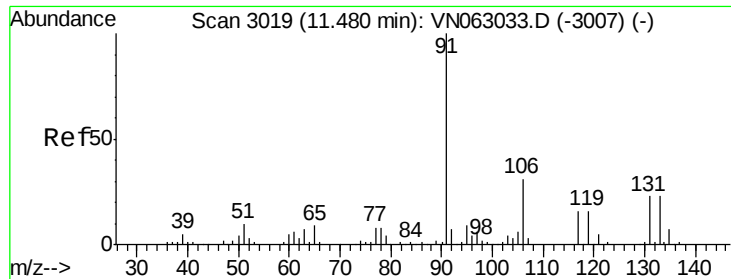
Tgt Ion: 112 Resp: 24738

Ion Ratio Lower Upper

112 100

114 33.6 25.1 37.7





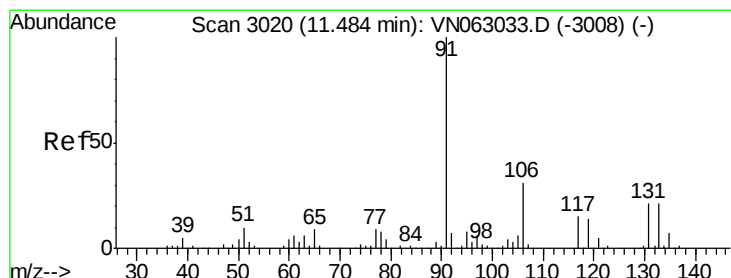
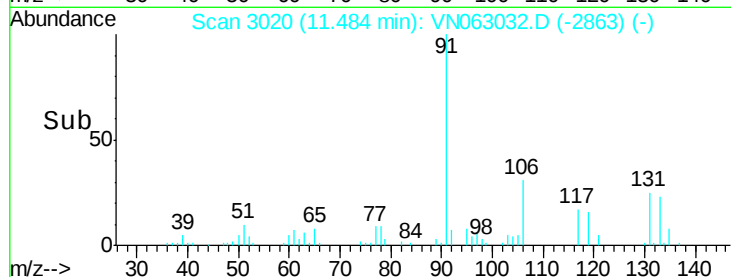
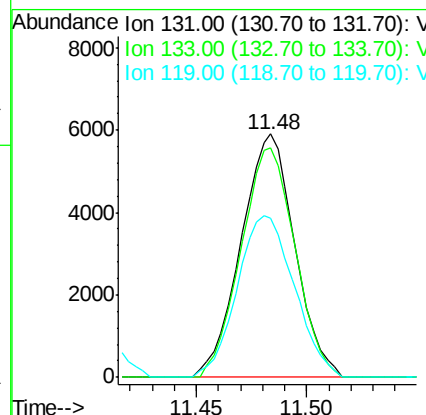
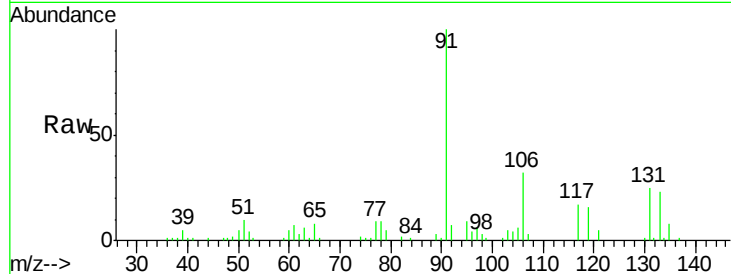
#65
 1,1,1,2-Tetrachloroethane
 Concen: 4.998 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.9	0.0	191.2
119	70.7	0.0	134.2

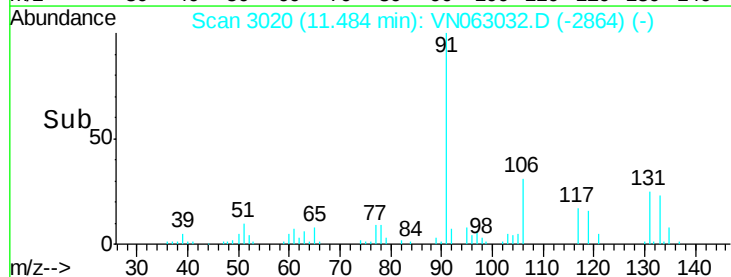
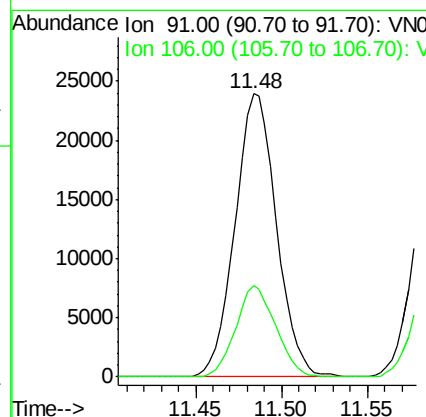
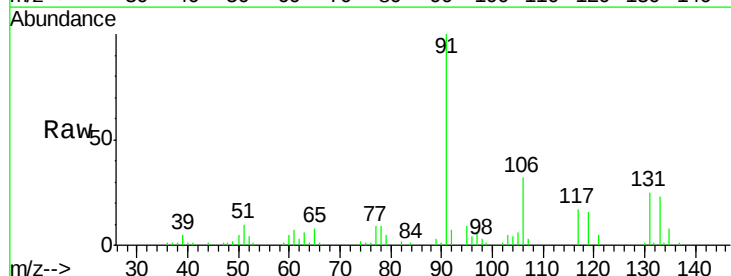
Manual Integrations
 APPROVED

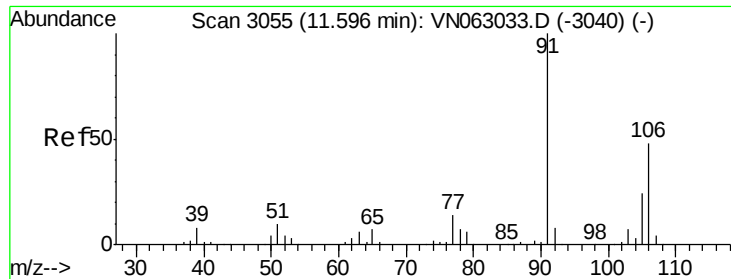
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#66
 Ethyl Benzene
 Concen: 4.533 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.0	37.4





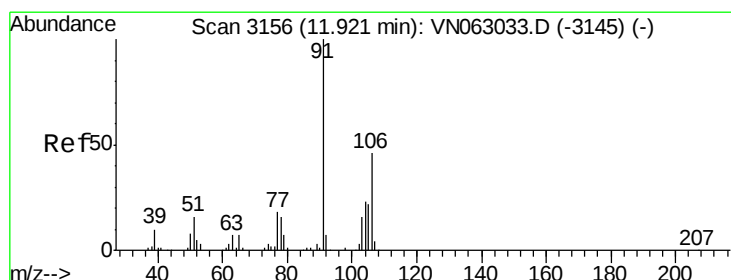
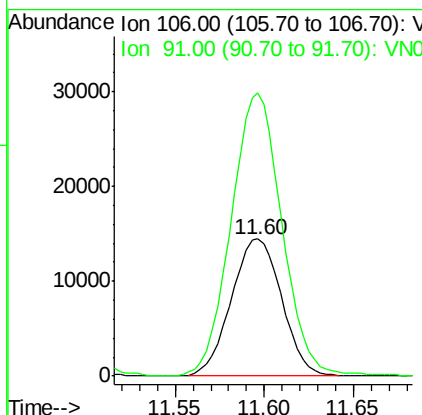
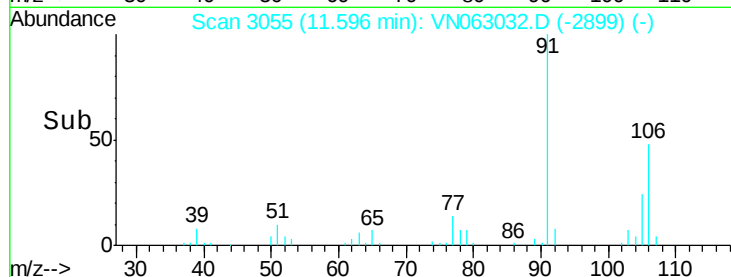
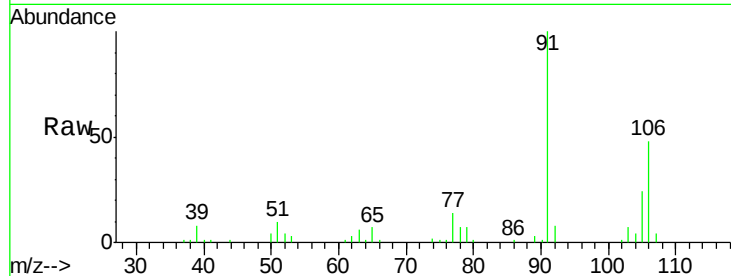
#67
m/p-Xvlenes
Concen: 8.623 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 28593
Ion Ratio Lower Upper
106 100
91 207.8 164.9 247.3

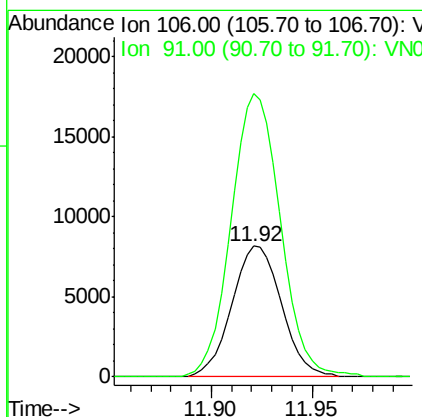
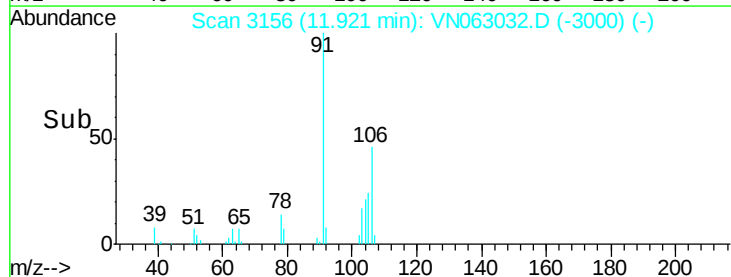
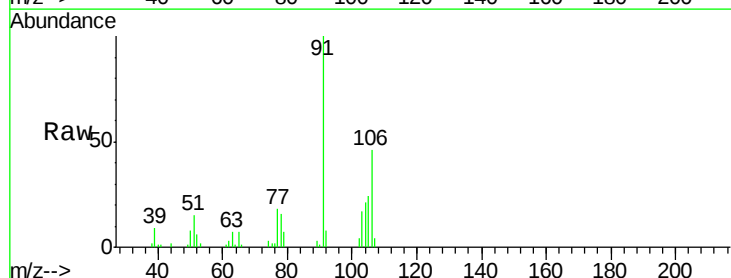
Manual Integrations
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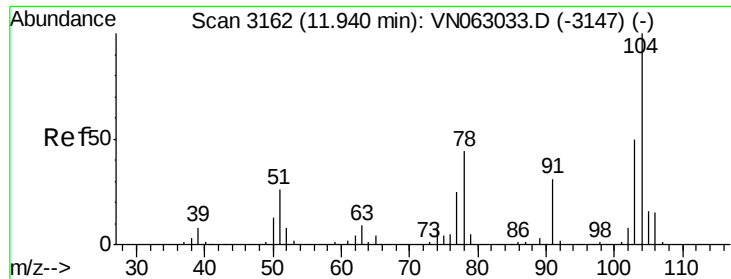
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#68
o-Xylene
Concen: 4.429 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion:106 Resp: 14106
Ion Ratio Lower Upper
106 100
91 214.5 108.0 324.0





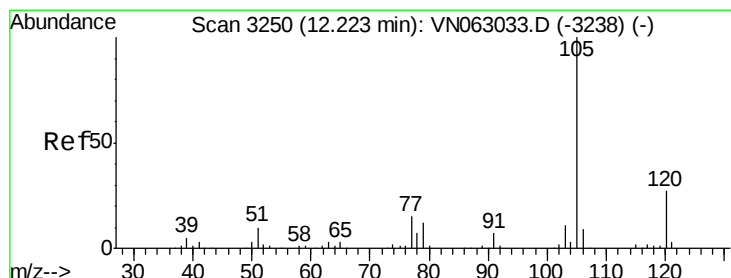
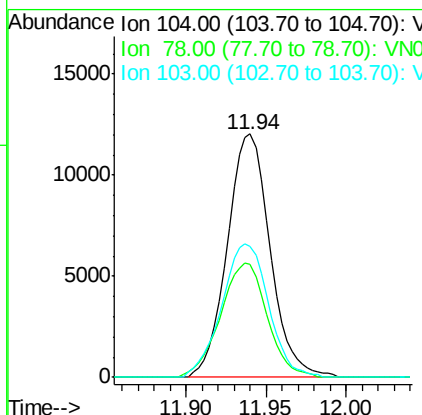
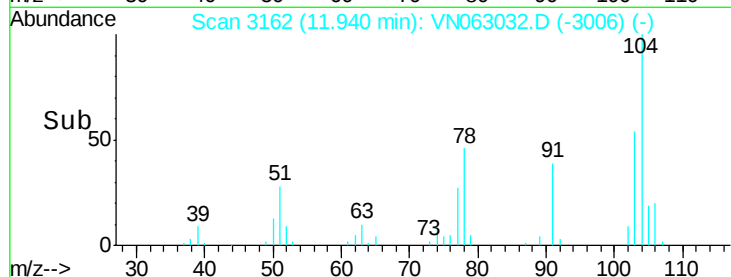
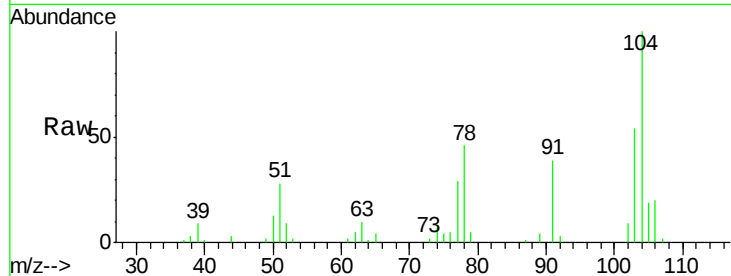
#69
Stvrene
Concen: 3.960 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.2	39.6	59.4
103	60.0	44.4	66.6

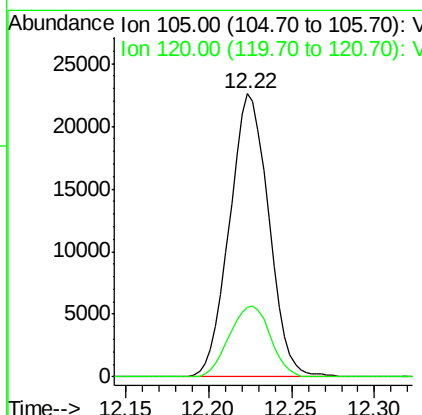
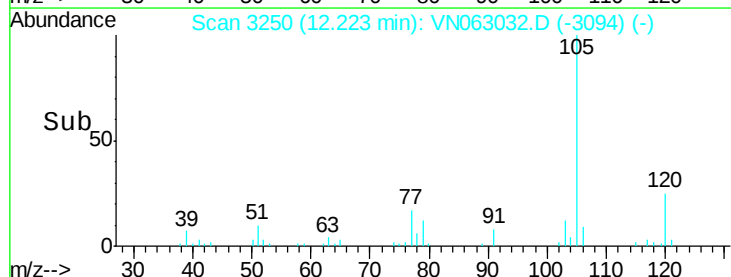
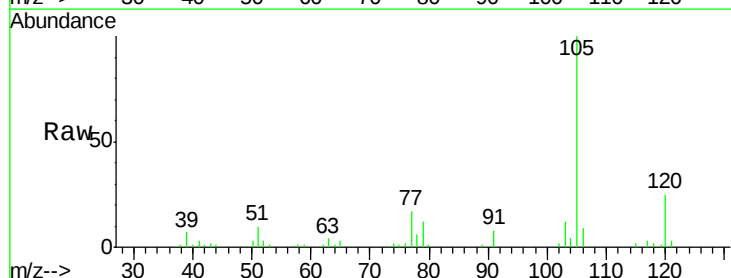
Manual Integrations
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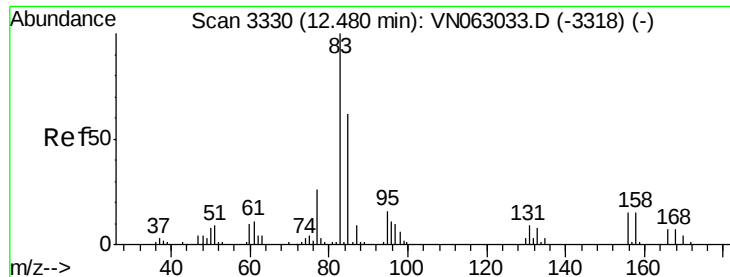
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#70
Isopropylbenzene
Concen: 4.292 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.5	34.3





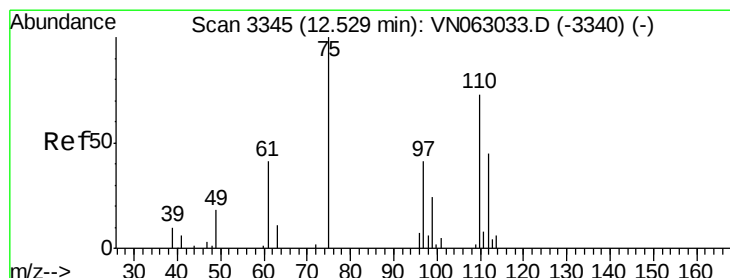
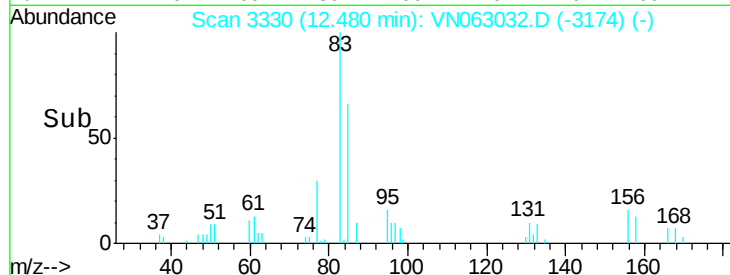
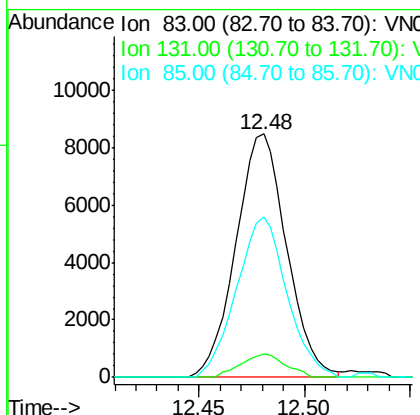
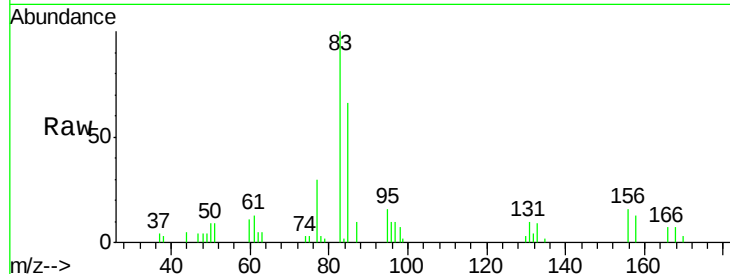
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.098 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	83	Resp	14166
Ion Ratio	100	Lower	Upper
83	100		
131	8.4	4.5	13.7
85	65.3	31.8	95.3

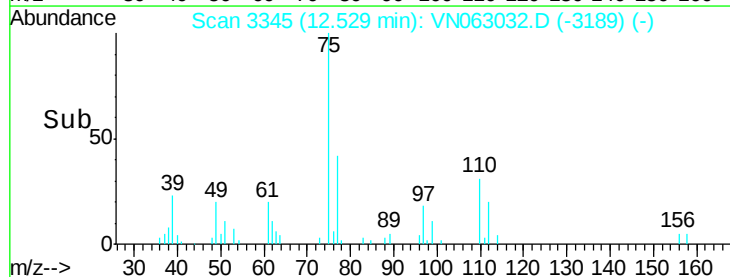
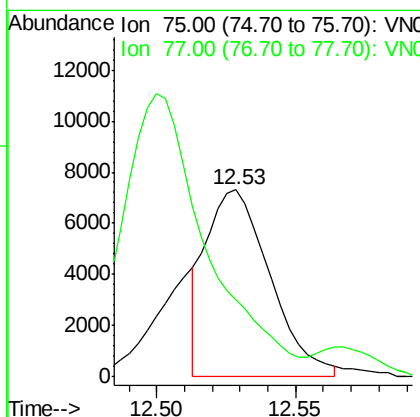
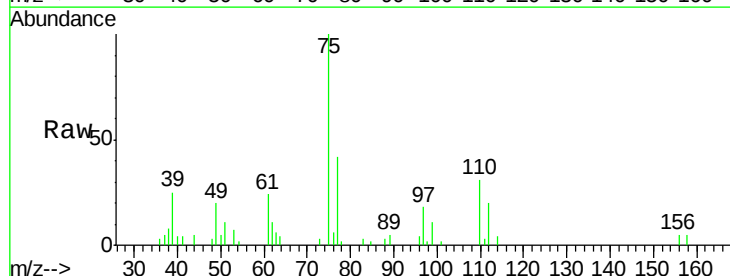
Manual Integrations
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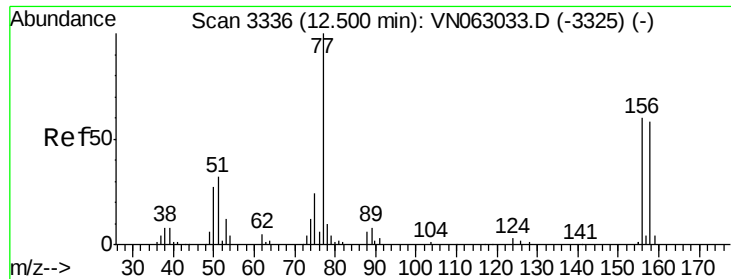
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#72
 1,2,3-Trichloropropane
 Concen: 4.920 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion	75	Resp	11816
Ion Ratio	100	Lower	Upper
75	100		
77	197.6	0.0	387.8





#73

Bromobenzene

Concen: 4.855 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

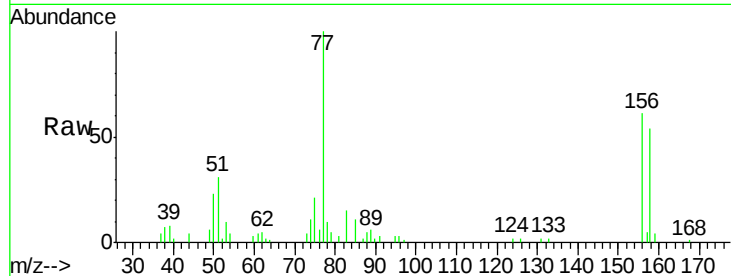
ClientSampled :

VSTDIC005

Tot Ion:	156	Resp:	11345
Ion Ratio	Lower	Upper	
156	100		
77	205.8	0.0	398.6
158	90.7	0.0	195.4

Manual Integrations
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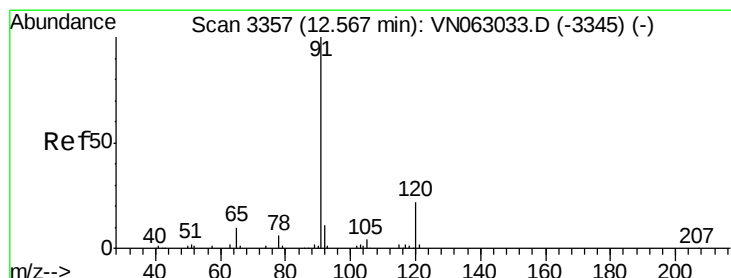
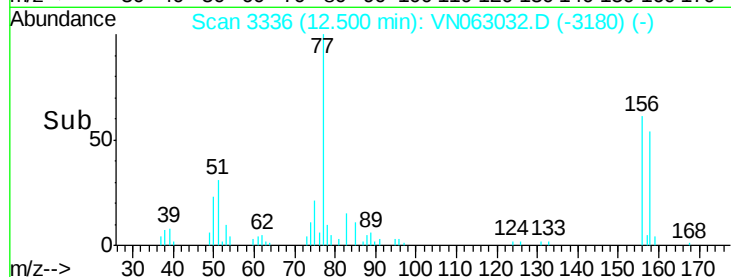
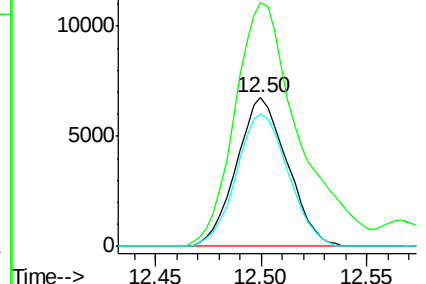
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 4.300 ug/l

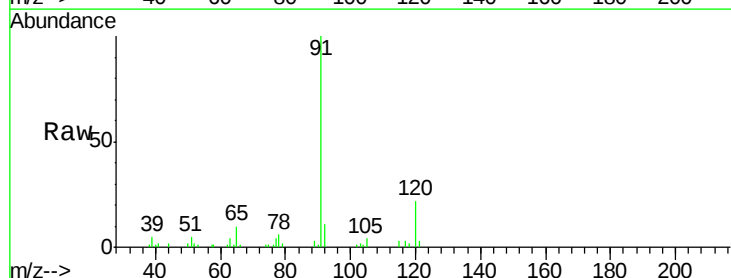
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063032.D

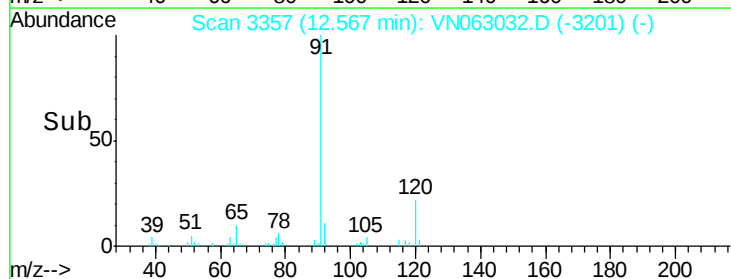
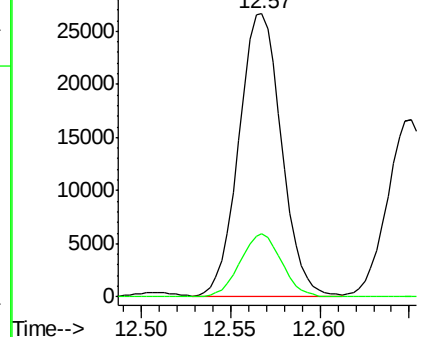
Acq: 20 Aug 2020 12:36

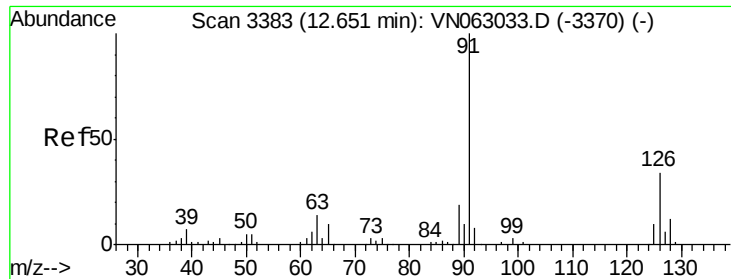
Tgt Ion:	91	Resp:	44689
Ion Ratio	Lower	Upper	
91	100		
120	21.4	0.0	44.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.615 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 28587

Ion Ratio Lower Upper

91 100

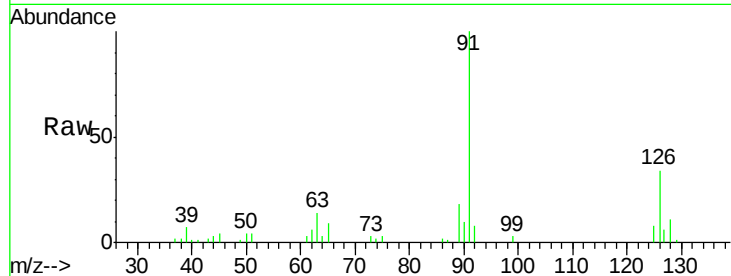
126 32.9 0.0 68.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN063033.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN063033.D (-3370) (-)

20000

15000

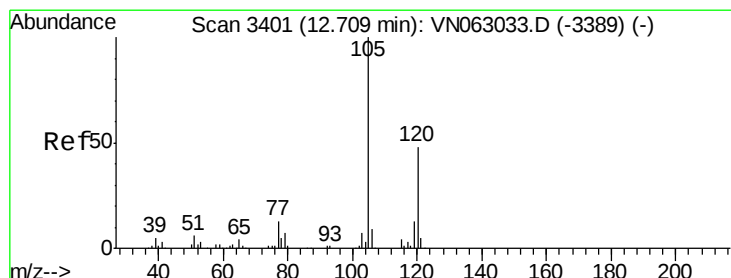
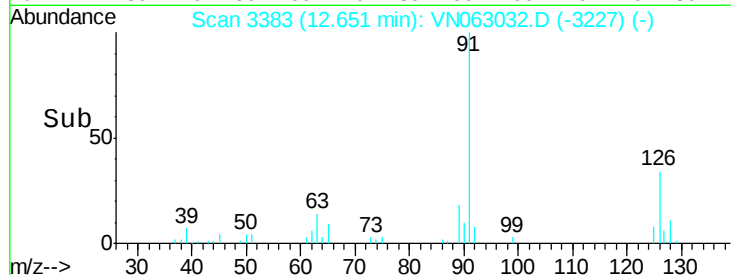
10000

5000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 4.106 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN063032.D

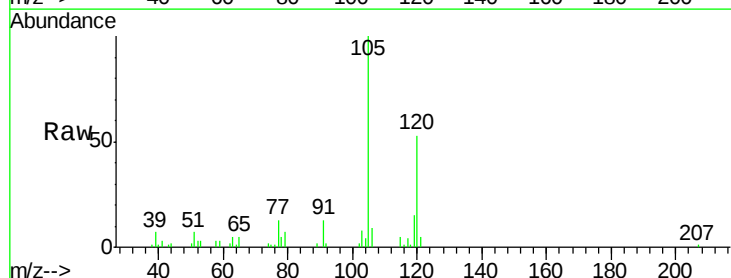
Acq: 20 Aug 2020 12:36

Tgt Ion: 105 Resp: 30363

Ion Ratio Lower Upper

105 100

120 51.4 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN063033.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN063033.D (-3389) (-)

20000

15000

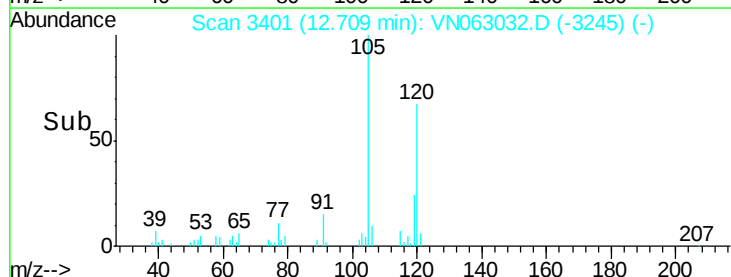
10000

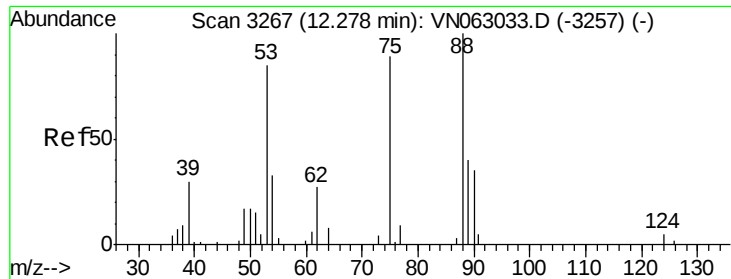
5000

0

12.65 12.70 12.75

Time-->





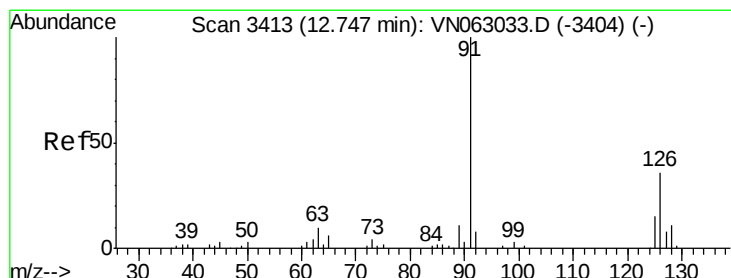
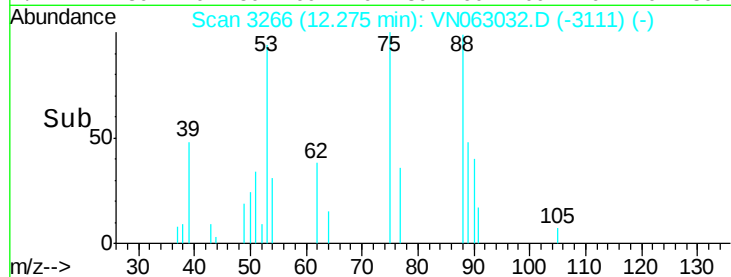
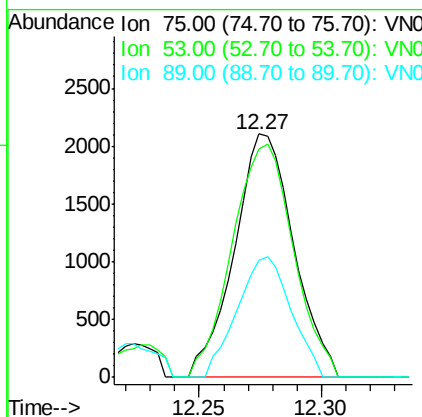
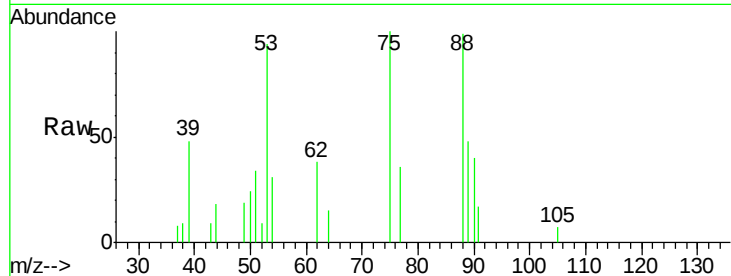
#77
t-1,4-Dichloro-2-butene
Concen: 4.073 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.7	47.0	141.0
89	48.2	22.9	68.7

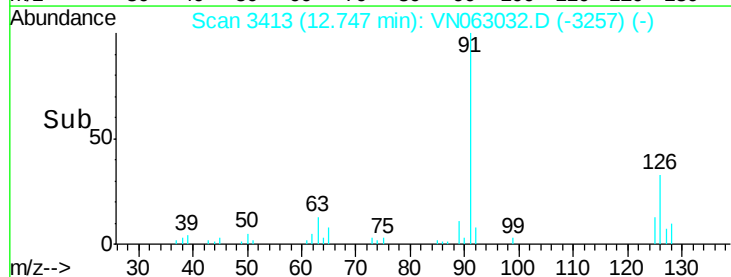
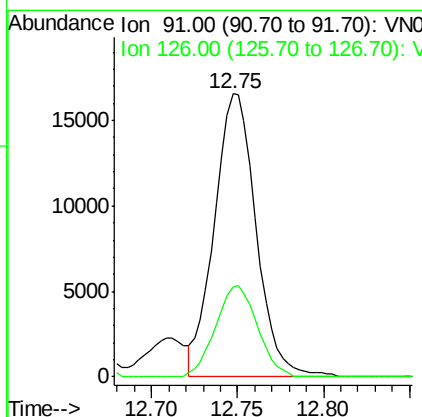
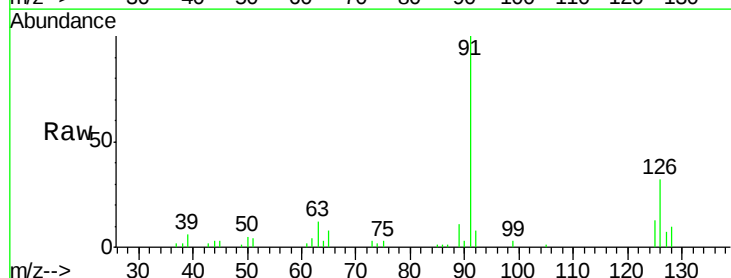
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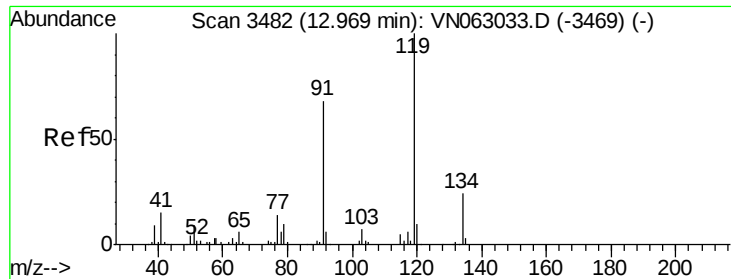
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#78
4-Chlorotoluene
Concen: 4.403 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	65.0





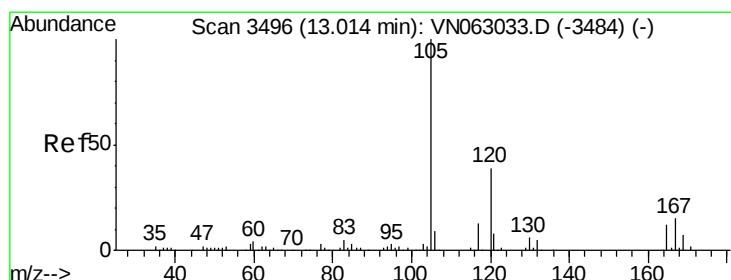
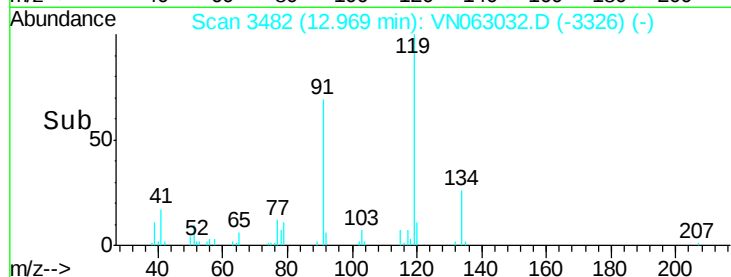
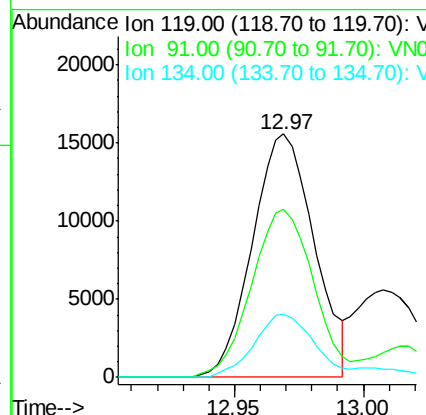
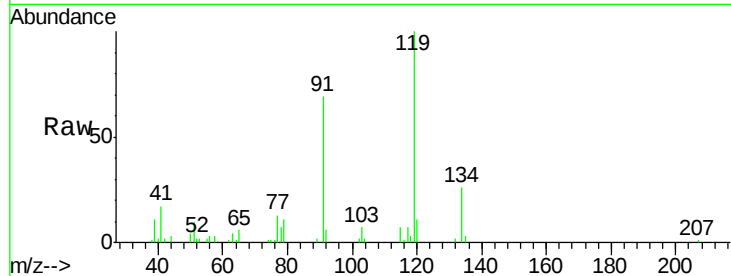
#79
tert-butylbenzene
Concen: 4.179 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	26002		
91	69.4		0.0	136.8
134	25.0		0.0	48.8

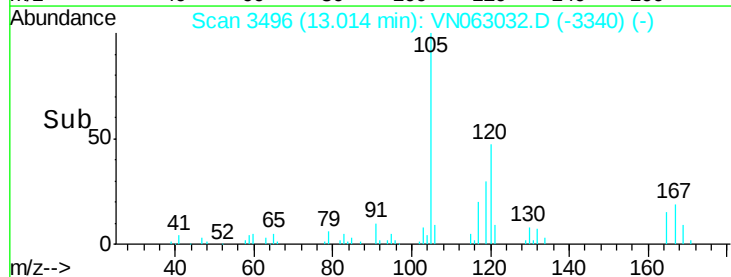
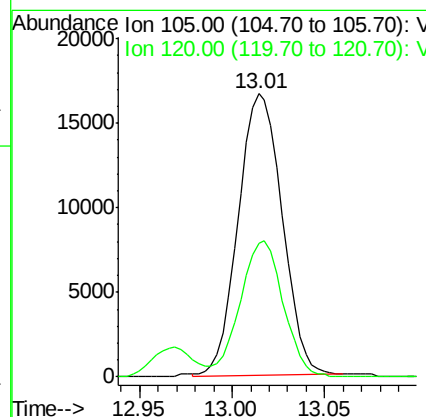
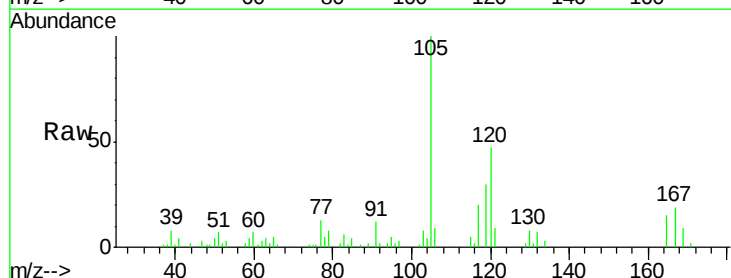
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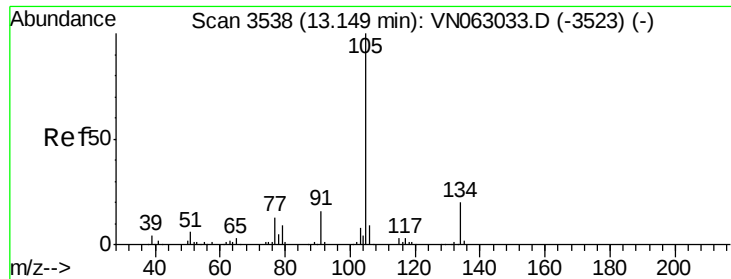
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#80
1,2,4-Trimethylbenzene
Concen: 3.816 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	27466		
120	47.0		0.0	90.4





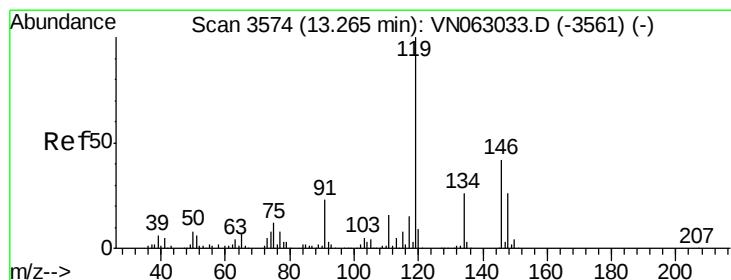
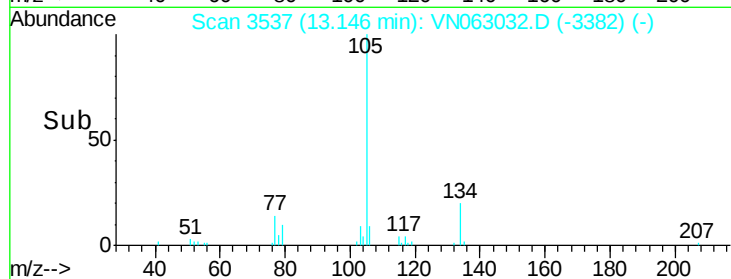
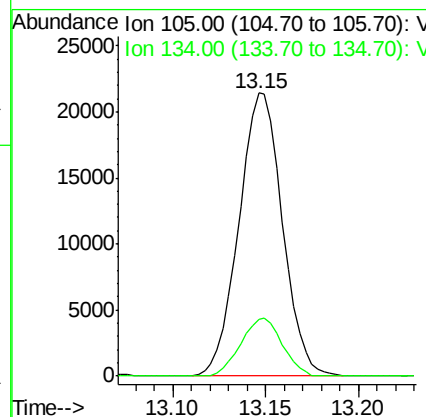
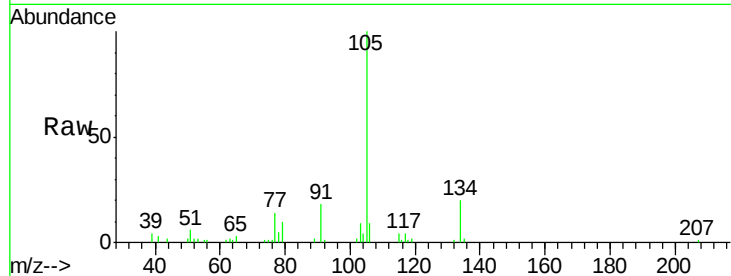
#81
 sec-Butylbenzene
 Concen: 4.085 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	0.0	39.4

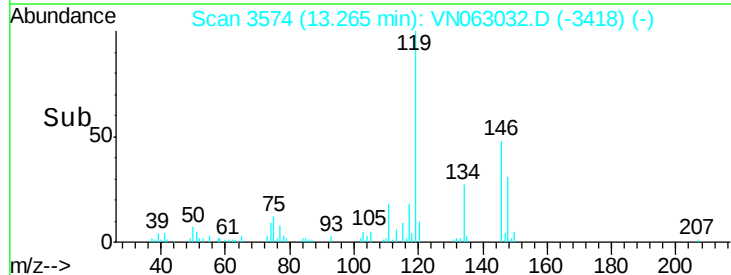
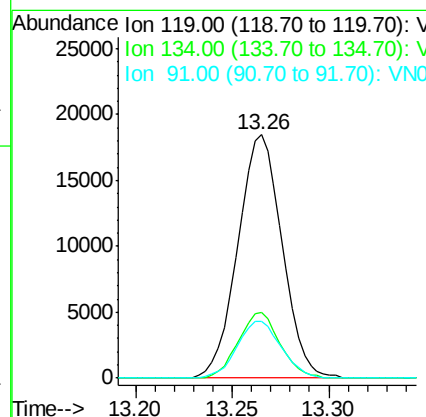
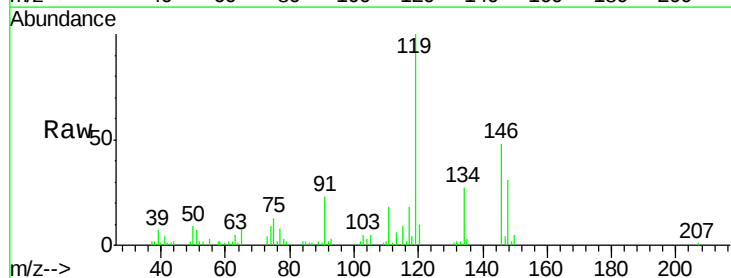
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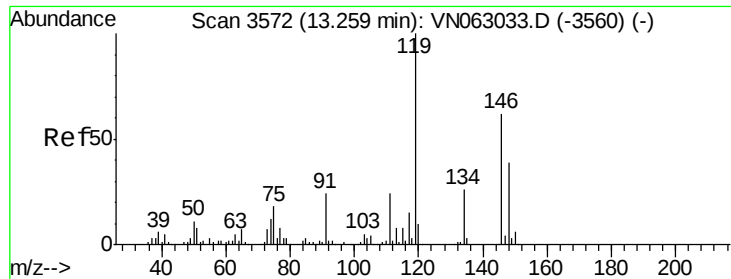
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#82
 p-Isopropyltoluene
 Concen: 3.862 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	52.2
91	23.3	0.0	46.2





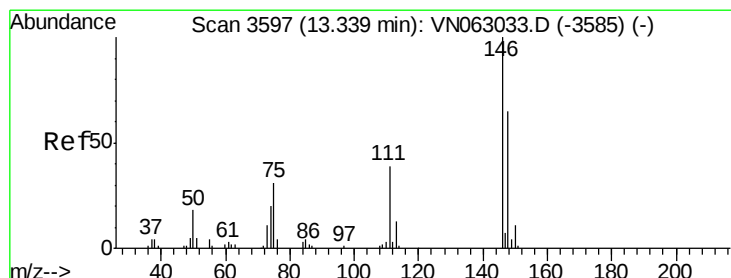
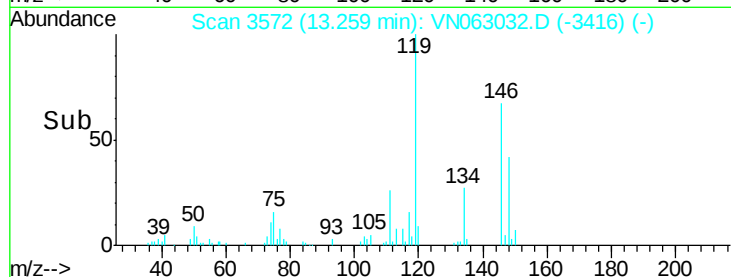
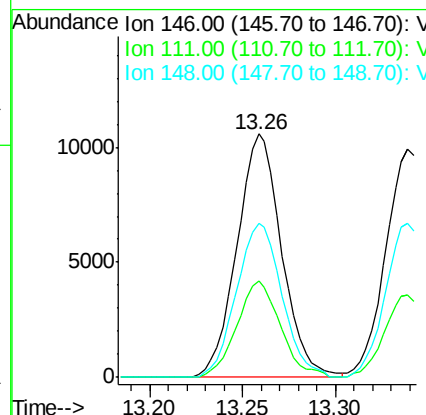
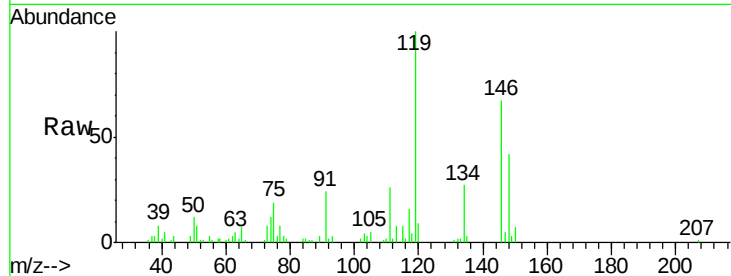
#83
 1,3-Dichlorobenzene
 Concen: 4.344 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.3	31.5	94.5

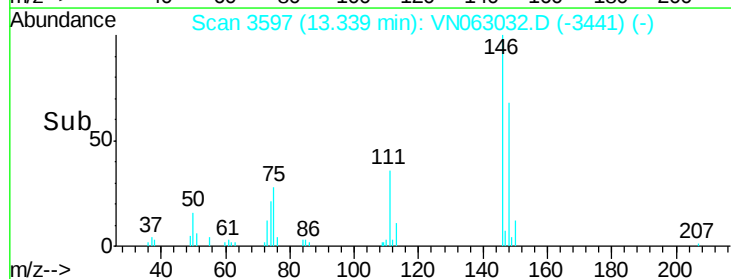
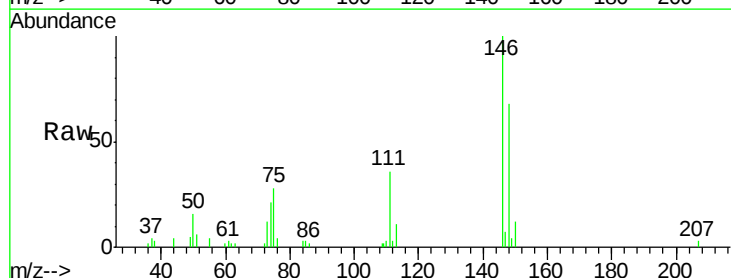
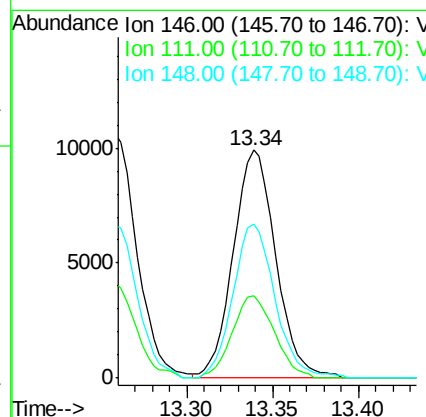
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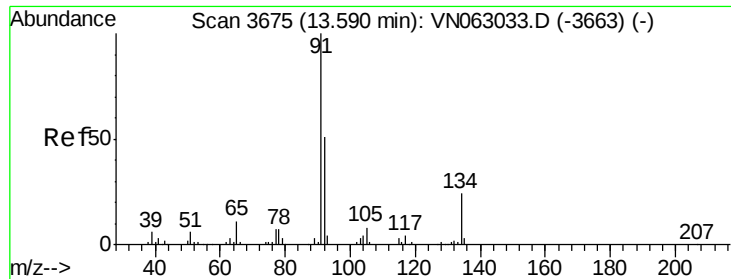
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#84
 1,4-Dichlorobenzene
 Concen: 4.278 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.6	55.8
148	66.9	31.6	94.8





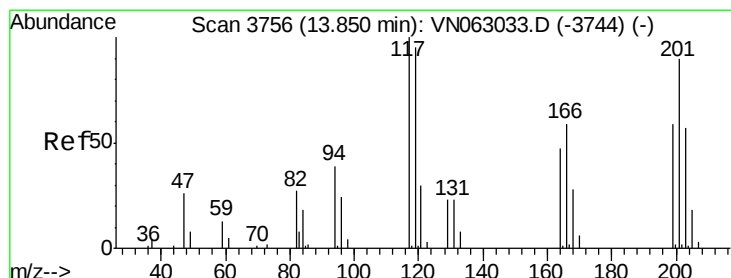
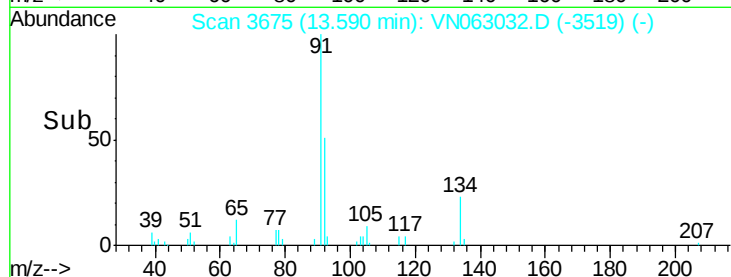
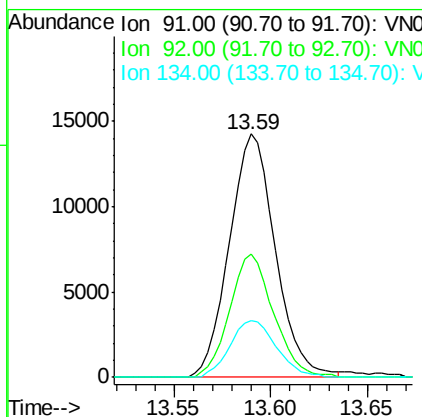
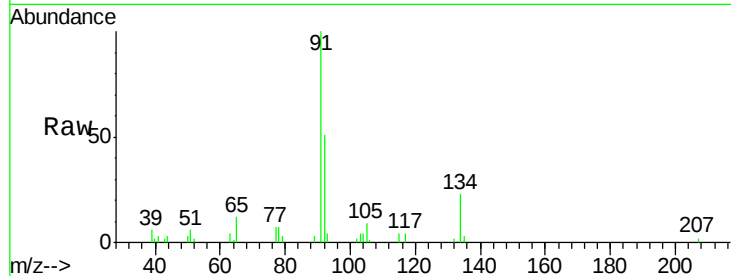
#85
n-Butylbenzene
Concen: 3.730 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.2	0.0	100.6
134	23.4	0.0	47.4

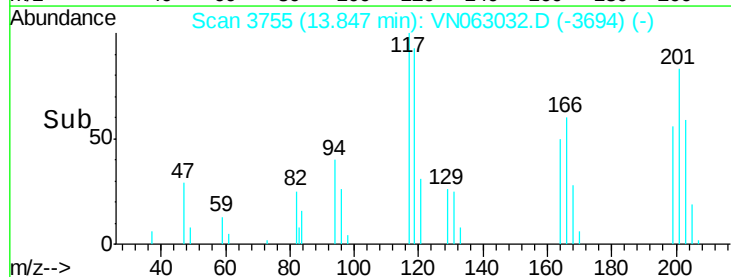
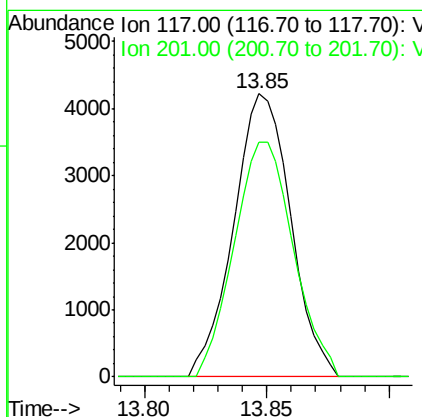
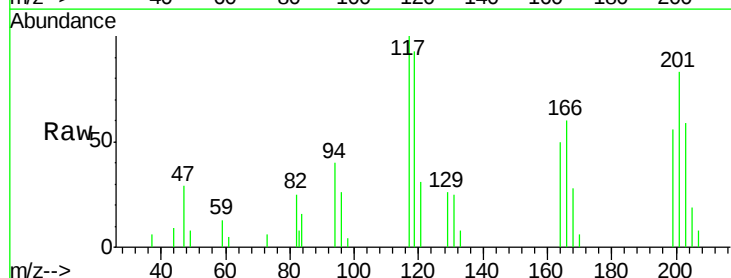
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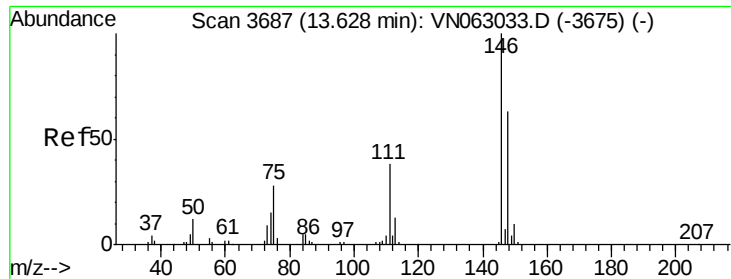
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#86
Hexachloroethane
Concen: 4.574 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	46.1	138.3





#87

1,2-Dichlorobenzene

Concen: 4.307 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

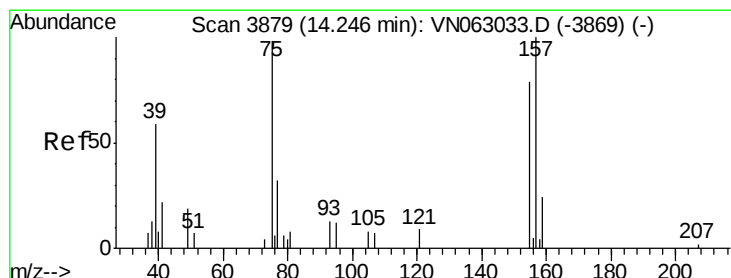
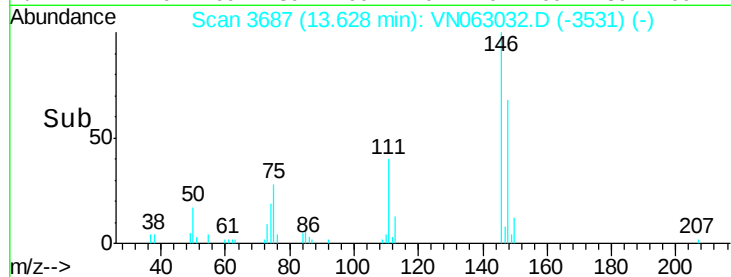
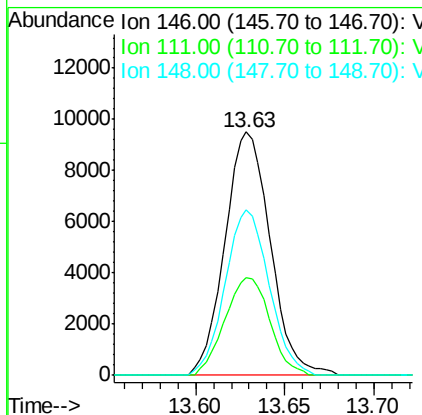
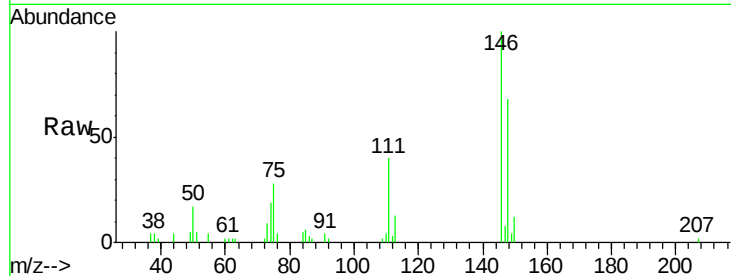
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	16828
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.1	57.3
148	65.8	31.8	95.4

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 4.390 ug/l

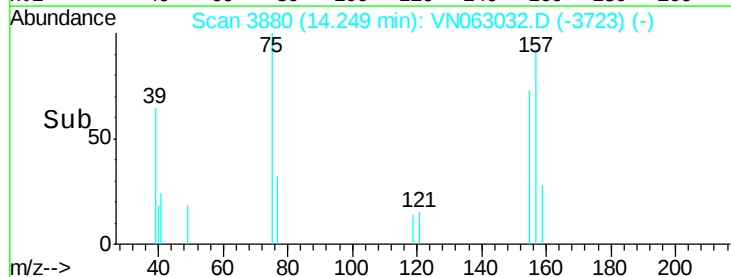
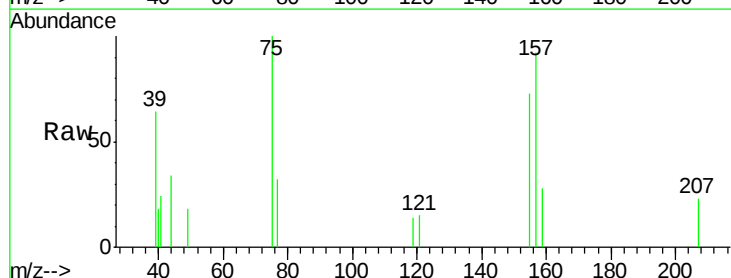
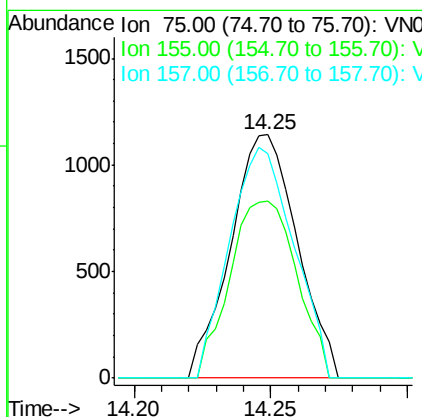
RT: 14.25 min Scan# 3880

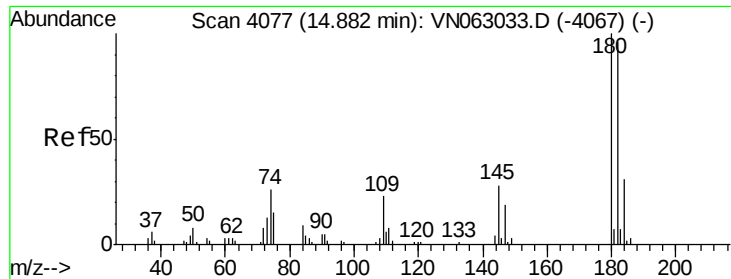
Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Tgt Ion:	75	Resp:	1935
Ion Ratio	Lower	Upper	
75	100		
155	73.1	64.8	97.2
157	91.4	81.2	121.8





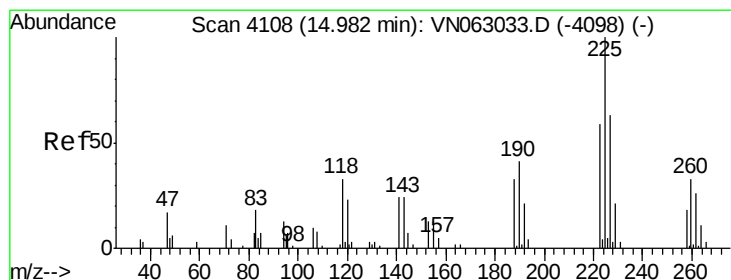
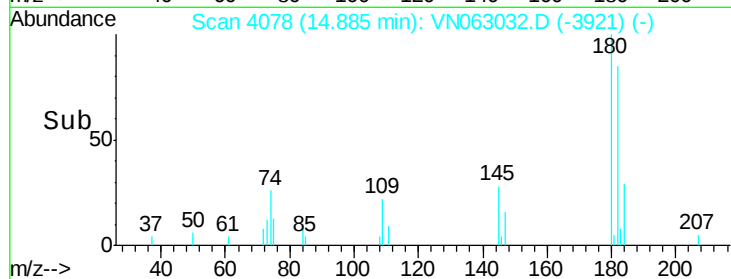
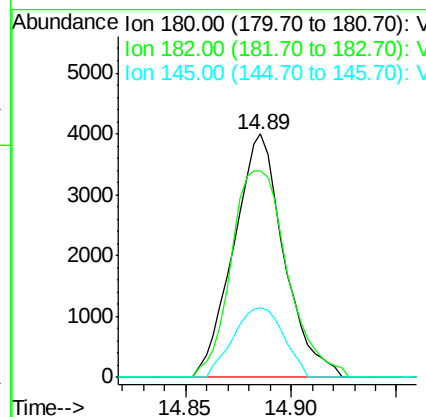
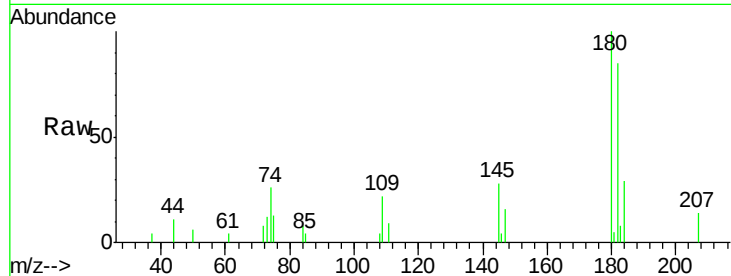
#89
 1,2,4-Trichlorobenzene
 Concen: 3.432 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
145	28.6	21.9	32.9

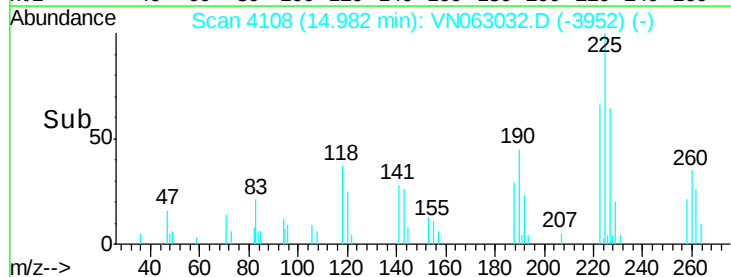
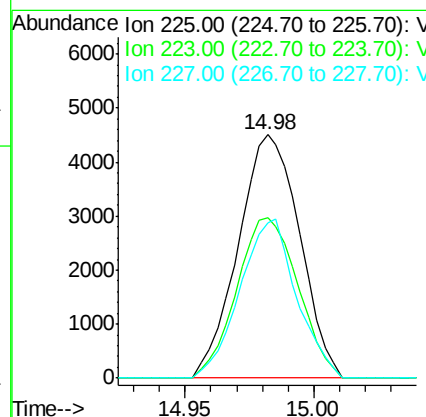
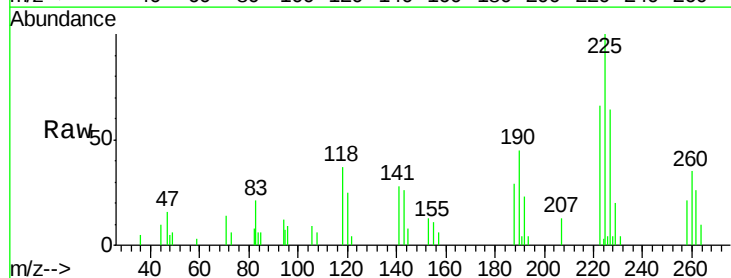
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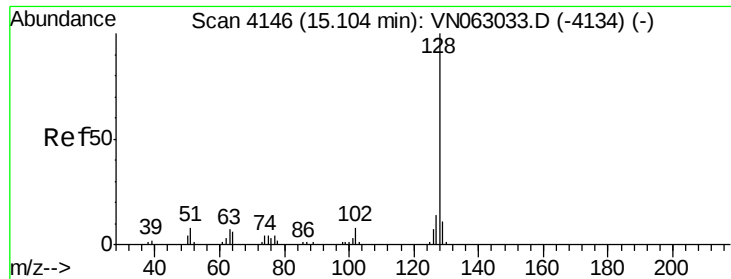
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 8/21/2020 9:22:03 AM



#90
 Hexachlorobutadiene
 Concen: 5.235 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	0.0	122.8
227	60.2	0.0	125.6





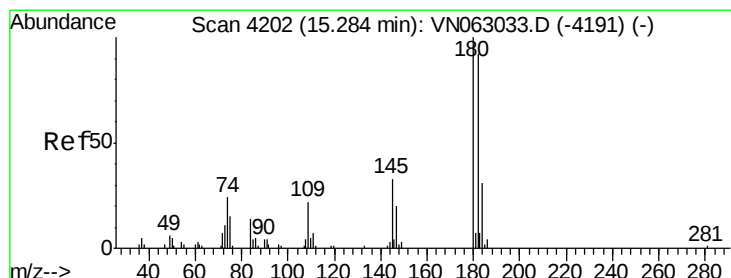
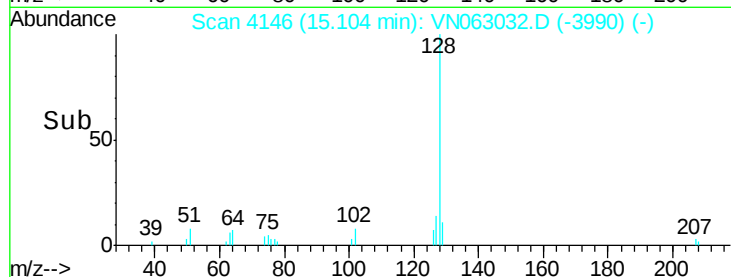
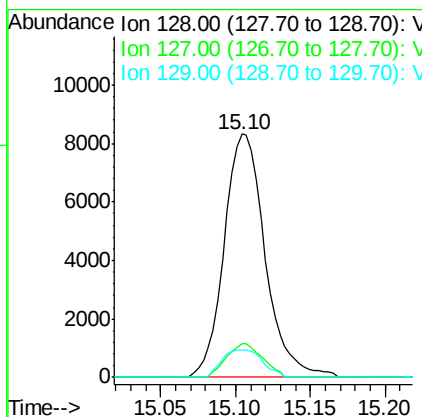
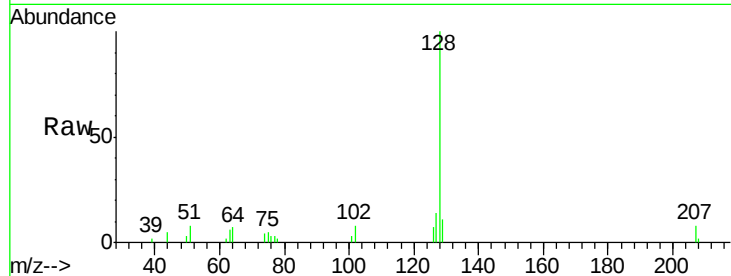
#91
Naphthalene
Concen: 3.732 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	11.1	16.7
129	11.2	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:22:03 AM



#92
1,2,3-Trichlorobenzene
Concen: 3.790 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	0.0	188.0
145	31.3	0.0	62.0

