

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063027.D
 Acq On : 20 Aug 2020 10:11
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:22:54 AM

Quant Time: Aug 20 11:37:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 11:30:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.14	128	30694	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	148222	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	144373	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	65897	25.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	83.93%
60) 4-Bromofluorobenzene	12.38	95	61281	24.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	81.37%
63) Toluene-d8	10.06	98	199505	29.52	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	7132	2.932	ug/l 100
3) Chloromethane	2.03	50	8836	3.914	ug/l 100
4) Vinyl Chloride	2.16	62	9053	3.780	ug/l 96
5) Bromomethane	2.53	94	6513	3.416	ug/l 99
6) Chloroethane	2.67	64	6040	3.190	ug/l 98
7) Trichlorofluoromethane	2.98	101	13096	3.167	ug/l 98
8) Diethyl Ether	3.37	74	4331	4.439	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	8332	5.583	ug/l 95
10) 1,1-Dichloroethene	3.70	96	7096	5.172	ug/l 93
11) Methyl Iodide	3.91	142	8396	4.406	ug/l 99
12) Methyl Acetate	4.27	43	8354m	4.111	ug/l
13) Acrolein	3.57	56	5460	20.878	ug/l 97
14) Acrylonitrile	4.93	53	16387	18.444	ug/l # 87
15) Acetone	3.78	58	5730	24.005	ug/l 88
16) Carbon Disulfide	4.00	76	16988	4.337	ug/l 98
17) Allyl chloride	4.27	41	11309	4.742	ug/l 96
18) Methylene Chloride	4.50	84	9751	5.466	ug/l 96
19) trans-1,2-Dichloroethene	4.98	96	7328	4.803	ug/l 97
20) Diisopropyl ether	5.90	45	24542	4.429	ug/l # 87
21) 1,1-Dichloroethane	5.80	63	16307	5.085	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	9171	5.029	ug/l 97
23) tert-Butyl Alcohol	4.73	59	5933m	16.415	ug/l
24) Methyl tert-Butyl Ether	4.99	73	20709	3.614	ug/l 98
25) Chloroform	7.33	83	16428	4.754	ug/l 98
26) Cyclohexane	7.61	56	9377	3.444	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	9617	4.596	ug/l 97
30) 2-Butanone	6.79	43	21762	20.355	ug/l 96
31) 2,2-Dichloropropane	6.77	77	13609	6.280	ug/l # 77
32) 1,1,1-Trichloroethane	7.52	97	13714	4.841	ug/l 99
33) Carbon Tetrachloride	7.73	117	11155	4.484	ug/l 94
34) Benzene	8.00	78	34744	5.426	ug/l # 71
35) Methacrylonitrile	7.12	41	3892	4.044	ug/l 92
36) 1,2-Dichloroethane	8.08	62	12324	4.589	ug/l 95
37) Trichloroethene	8.80	130	8793	5.556	ug/l 99
38) Methylcyclohexane	9.04	83	9457	3.765	ug/l 96
39) 1,2-Dichloropropane	9.08	63	9974	5.651	ug/l 94
40) Dibromomethane	9.17	93	5871	5.035	ug/l 97

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: Aug 20 11:37:10 2020
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	12555	4.833	ug/l	96
42) Vinyl Acetate	5.84	43	86539	23.576	ug/l	99
43) Ethyl Acetate	6.88	43	7907	3.852	ug/l #	68
44) Isopropyl Acetate	8.12	43	14291	4.137	ug/l	92
45) 1,4-Dioxane	9.16	88	2218m	66.884	ug/l	
46) Methyl methacrylate	9.17	41	6092	3.568	ug/l	96
47) n-amyl Acetate	12.05	43	9631	3.179	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	11552	4.254	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	12670	4.563	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	8840	5.233	ug/l	98
51) Ethyl methacrylate	10.40	69	8553	3.403	ug/l	99
52) 1,3-Dichloropropane	10.68	76	13957	4.821	ug/l	98
53) Dibromochloromethane	10.87	129	9845	4.943	ug/l	94
54) 1,2-Dibromoethane	10.98	107	8275	4.789	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	8088	13.344	ug/l	98
56) Bromoform	12.10	173	6285	4.439	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	39722	16.862	ug/l	98
59) 2-Hexanone	10.72	43	28187	16.489	ug/l	94
61) Tetrachloroethene	10.60	164	8129	5.547	ug/l	98
62) Toluene	10.12	91	35783	4.856	ug/l	98
64) Chlorobenzene	11.40	112	22018	4.767	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	9377	4.960	ug/l	96
66) Ethyl Benzene	11.48	91	32818	4.039	ug/l	99
67) m/p-Xylenes	11.59	106	24200	8.054	ug/l	99
68) o-Xylene	11.92	106	11386	3.946	ug/l	99
69) Styrene	11.94	104	18875	3.695	ug/l	99
70) Isopropylbenzene	12.22	105	31319	3.843	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	12179	4.517	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	10258m	3.997	ug/l	
73) Bromobenzene	12.50	156	9717	4.770	ug/l	97
74) n-propylbenzene	12.56	91	36276	3.831	ug/l	97
75) 2-Chlorotoluene	12.65	91	24074	4.077	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	25275	3.493	ug/l	99
77) t-1,4-Dichloro-2-butene	12.28	75	2806	3.276	ug/l	89
78) 4-Chlorotoluene	12.75	91	22661	3.754	ug/l	99
79) tert-butylbenzene	12.97	119	22195	3.722	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	22880	3.241	ug/l	96
81) sec-Butylbenzene	13.15	105	29659	3.722	ug/l	98
82) p-Isopropyltoluene	13.26	119	24037	3.401	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	15451	4.335	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	13748	3.926	ug/l	96
85) n-Butylbenzene	13.59	91	19232	3.167	ug/l	99
86) Hexachloroethane	13.85	117	6515	4.224	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	14247	3.865	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	1545	2.492	ug/l	92
89) 1,2,4-Trichlorobenzene	14.89	180	4273	2.527	ug/l	94
90) Hexachlorobutadiene	14.98	225	5970	5.123	ug/l	97
91) Naphthalene	15.10	128	9183	2.051	ug/l	98
92) 1,2,3-Trichlorobenzene	15.29	180	5160	3.041	ug/l	99

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ALS Vial : 3 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
VSTDICC005

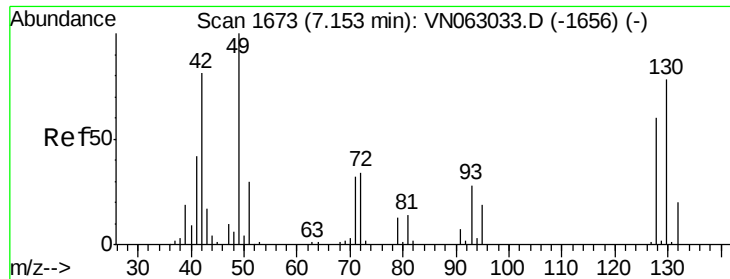
Manual Integrations
APPROVED

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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



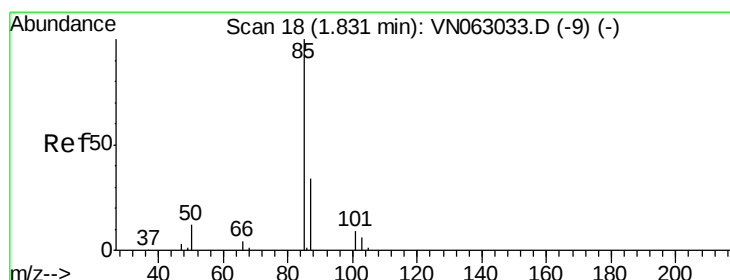
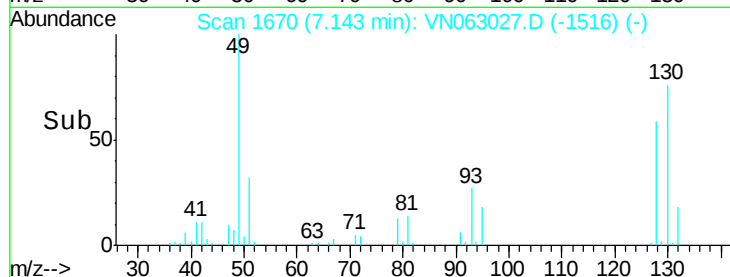
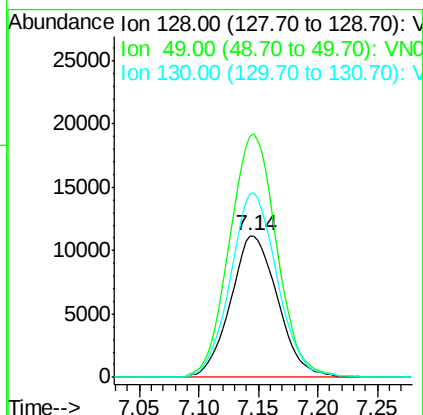
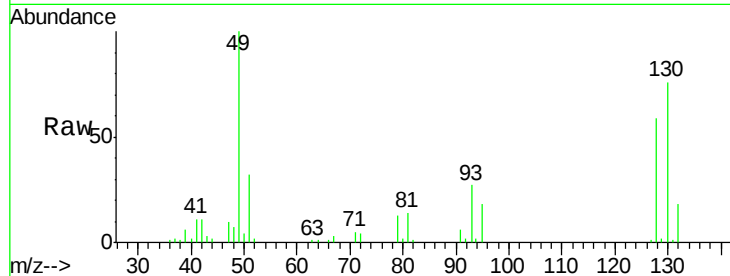
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
49	171.8	0.0	424.5
130	129.3	0.0	318.0

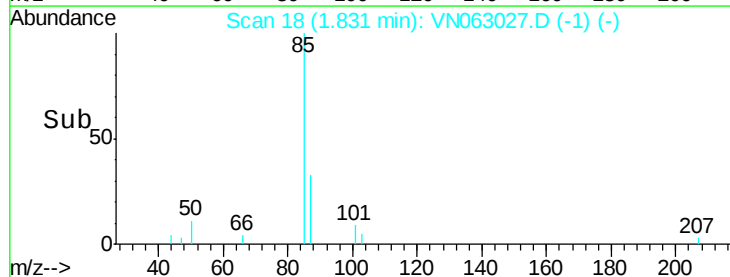
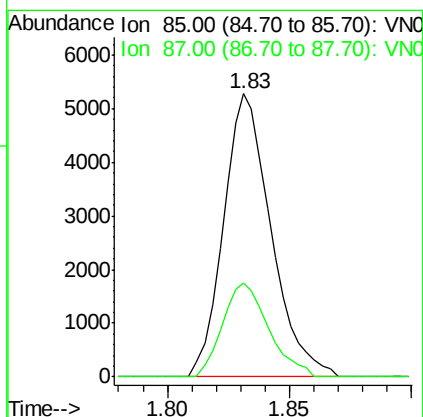
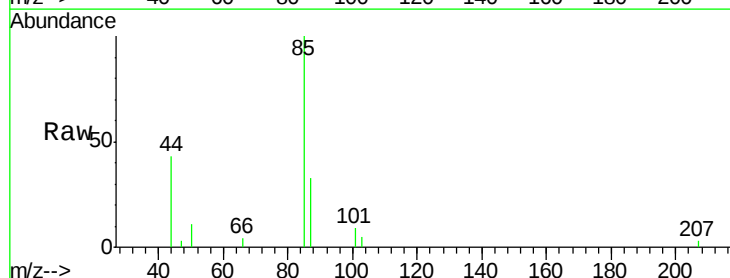
Manual Integrations
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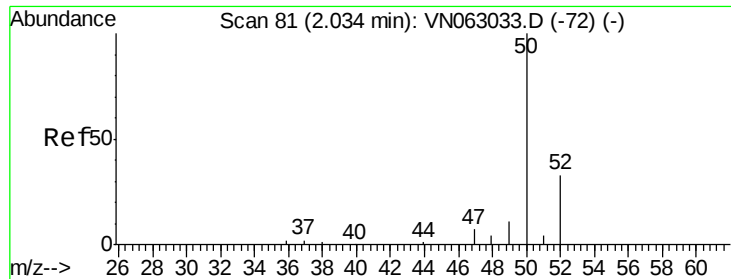
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#2
Dichlorodifluoromethane
Concen: 2.932 ug/l
RT: 1.83 min Scan# 18
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.5	49.5





#3

Chloromethane

Concen: 3.914 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 8836

Ion Ratio Lower Upper

50 100

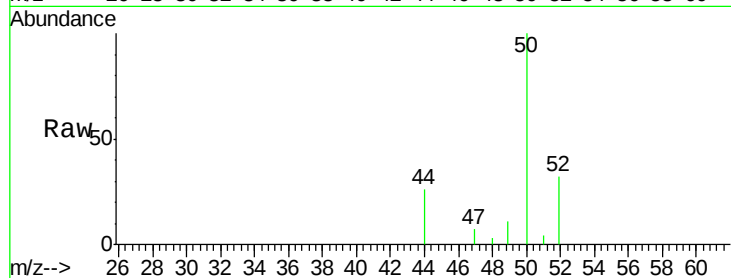
52 31.7 25.6 38.4

Manual Integrations

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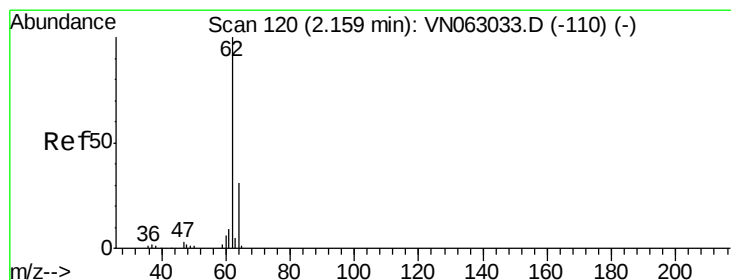
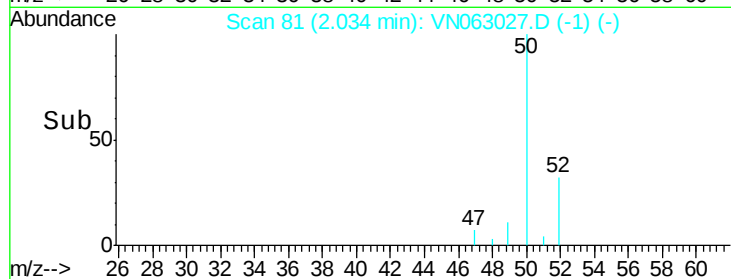
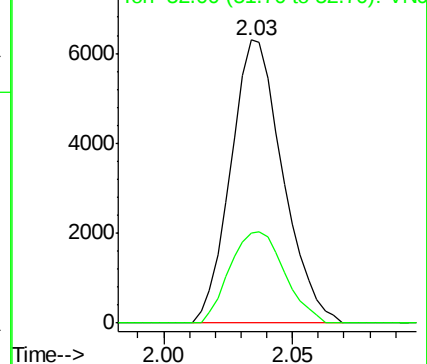
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 3.780 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN063027.D

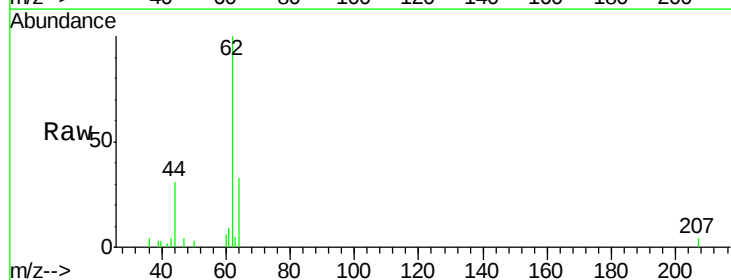
Acq: 20 Aug 2020 10:11

Tgt Ion: 62 Resp: 9053

Ion Ratio Lower Upper

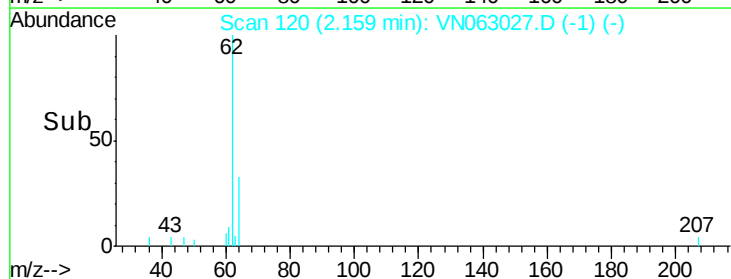
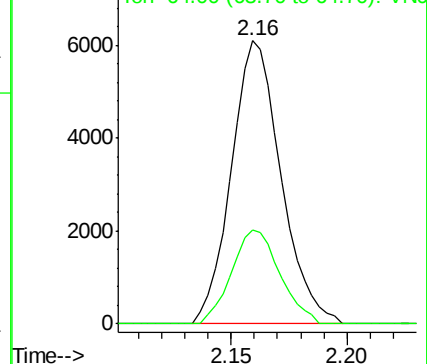
62 100

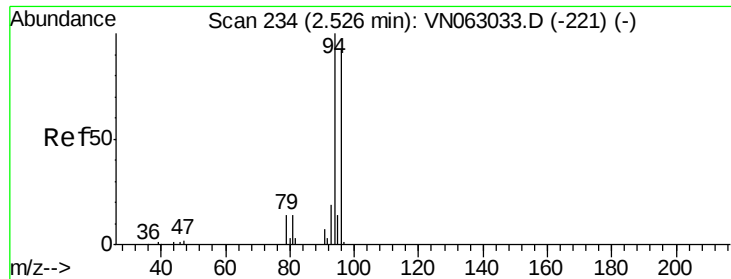
64 33.3 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 3.416 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6513

Ion Ratio Lower Upper

94 100

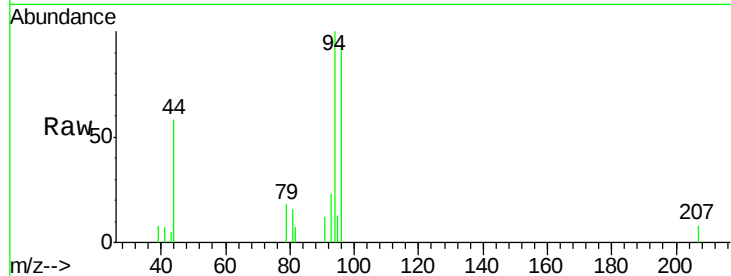
96 92.7 74.8 112.2

Manual Integrations

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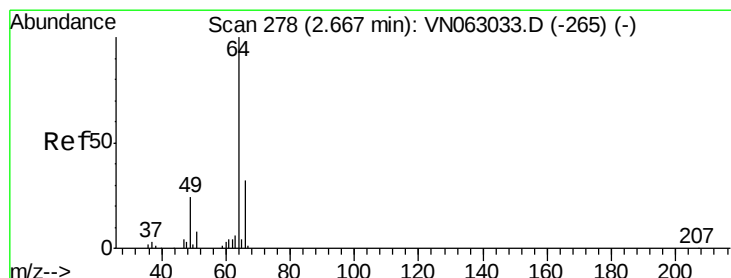
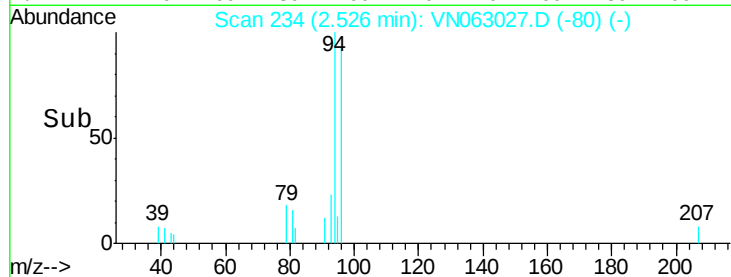
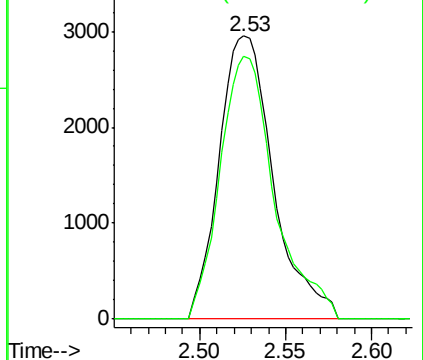
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 3.190 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN063027.D

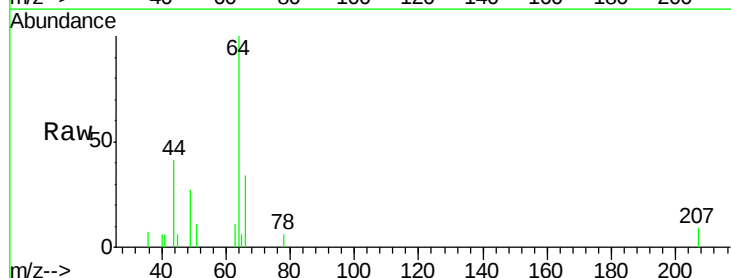
Acq: 20 Aug 2020 10:11

Tgt Ion: 64 Resp: 6040

Ion Ratio Lower Upper

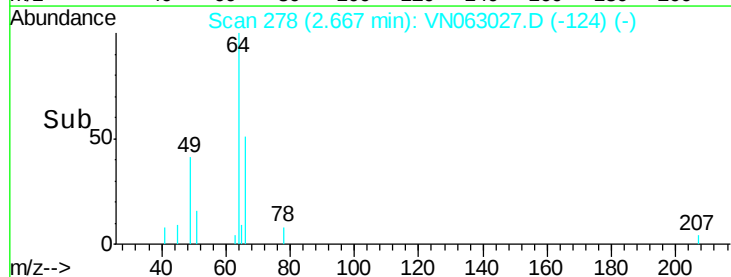
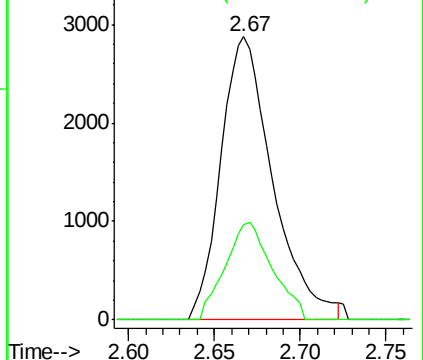
64 100

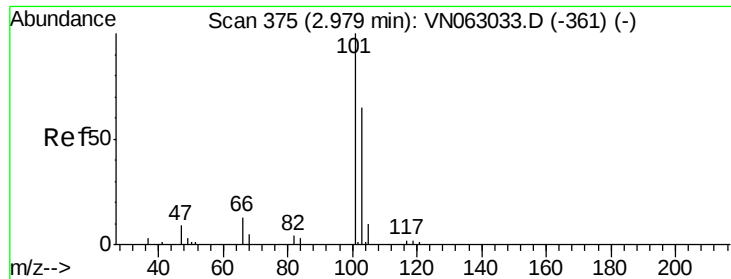
66 33.8 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

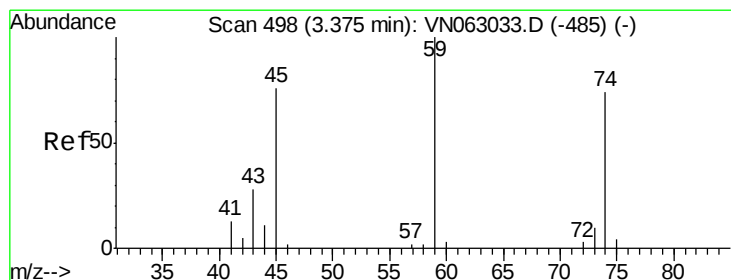
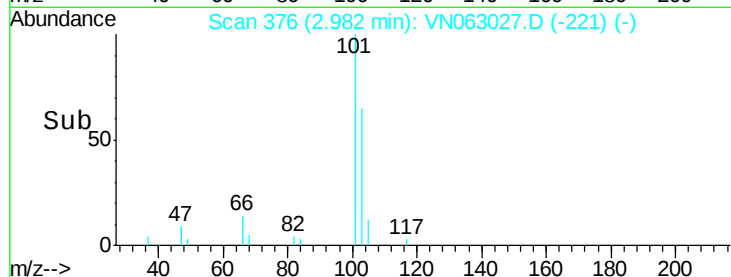
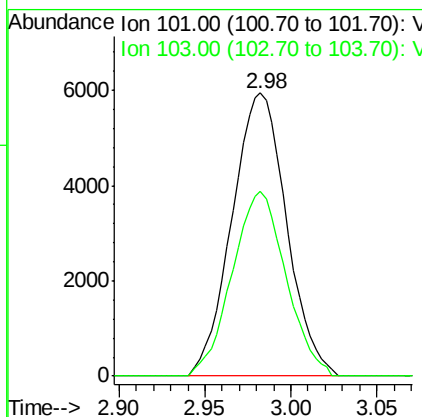
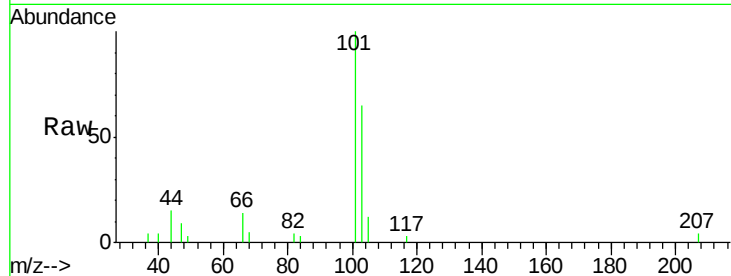
Trichlorofluoromethane
 Concen: 3.167 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.0	76.6

Manual Integrations
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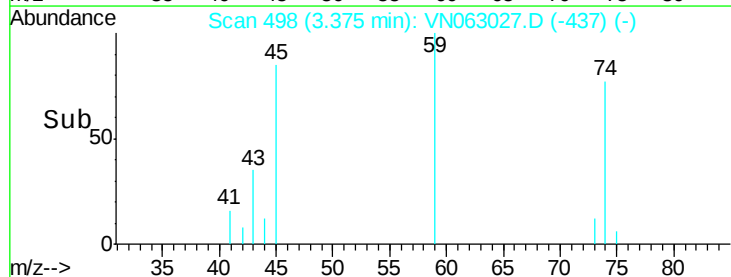
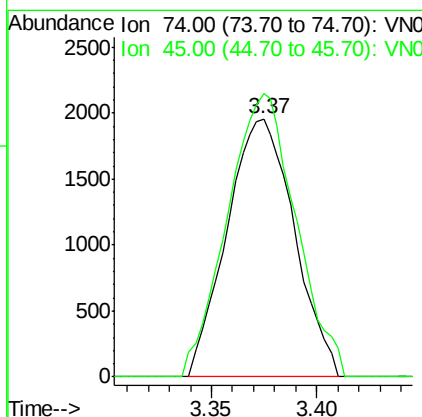
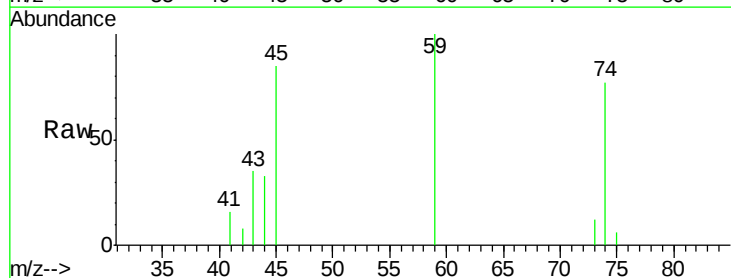
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 8/21/2020 9:22:54 AM

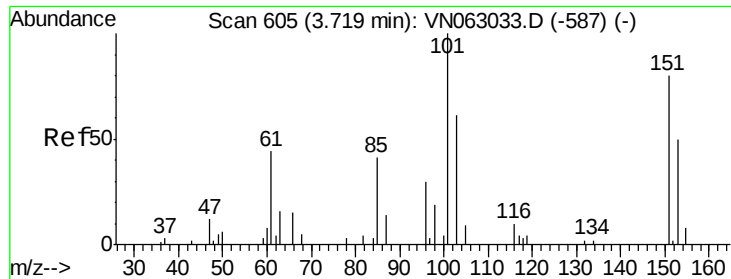


#8

Diethyl Ether
 Concen: 4.439 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.0	20.9	187.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.583 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

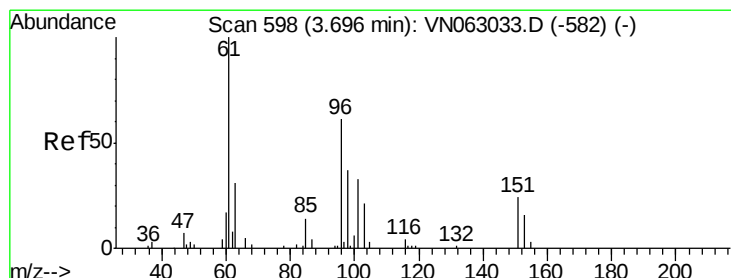
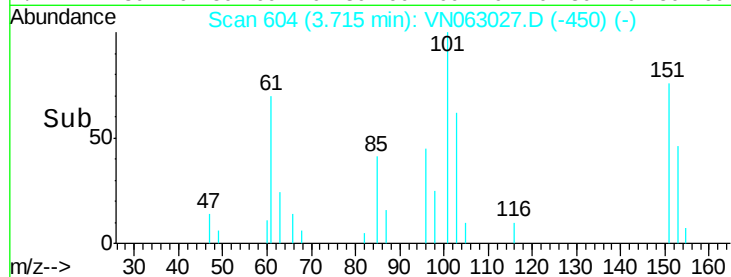
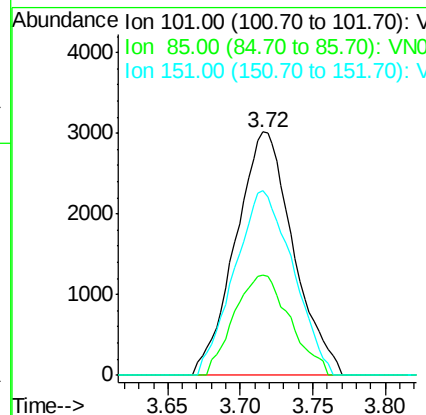
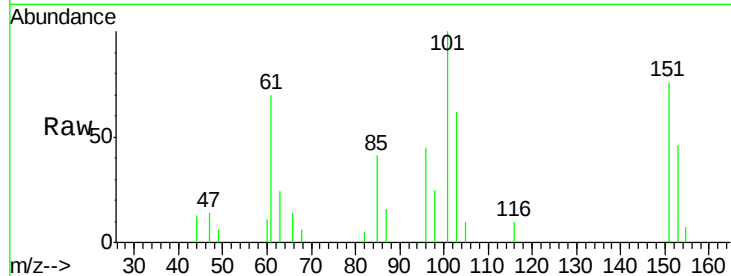
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	8332
Ion Ratio	Lower	Upper	
101	100		
85	39.9	0.0	88.2
151	77.2	0.0	161.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 5.172 ug/l

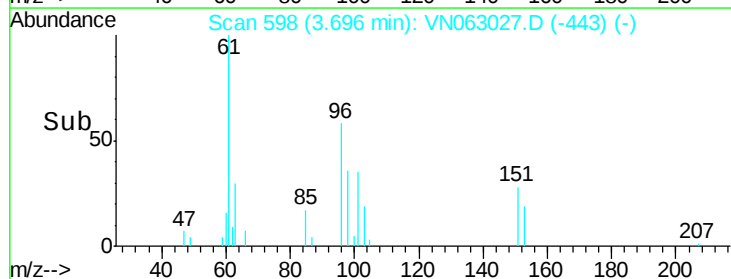
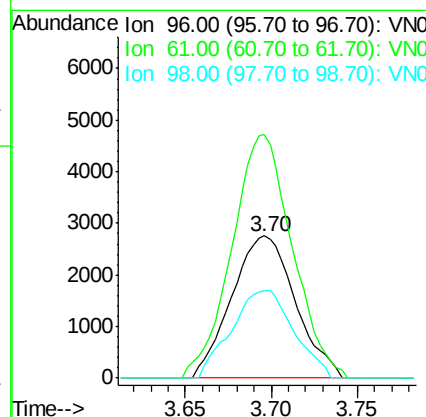
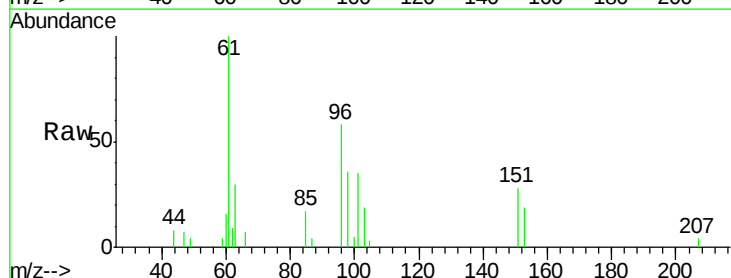
RT: 3.70 min Scan# 598

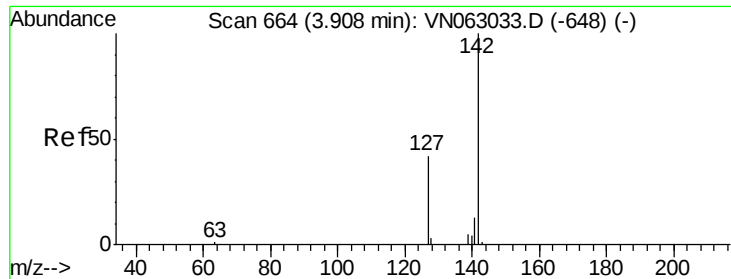
Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Tgt Ion:	96	Resp:	7096
Ion Ratio	Lower	Upper	
96	100		
61	165.4	123.6	185.4
98	61.3	51.0	76.6





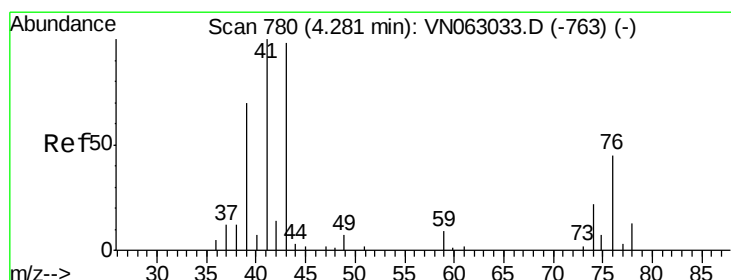
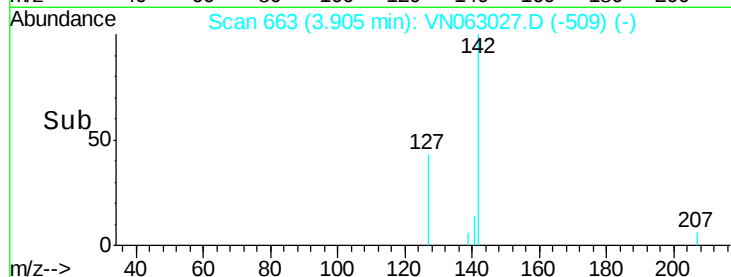
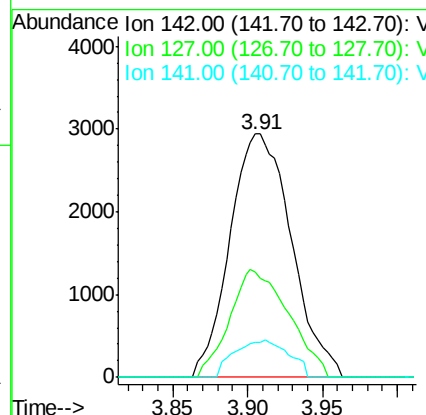
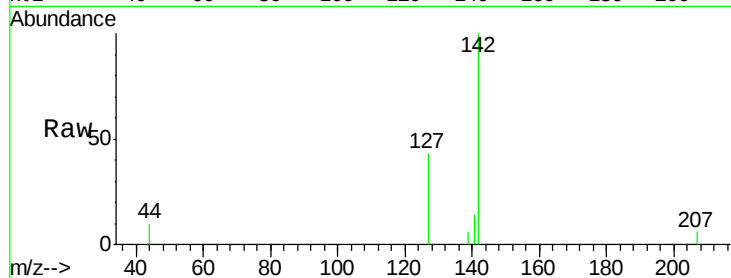
#11
Methvl Iodide
Concen: 4.406 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.2	21.7	65.1
141	14.2	7.7	23.1

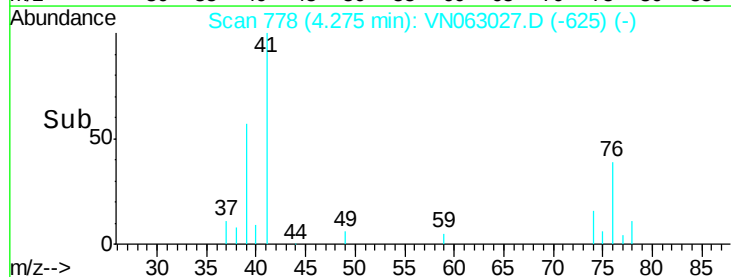
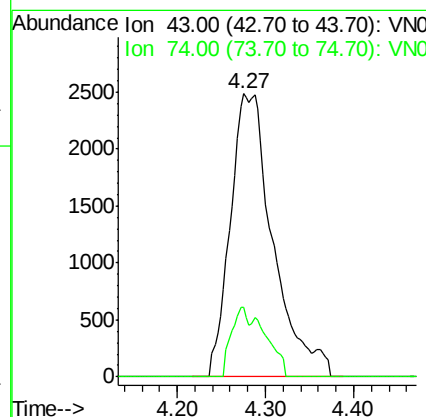
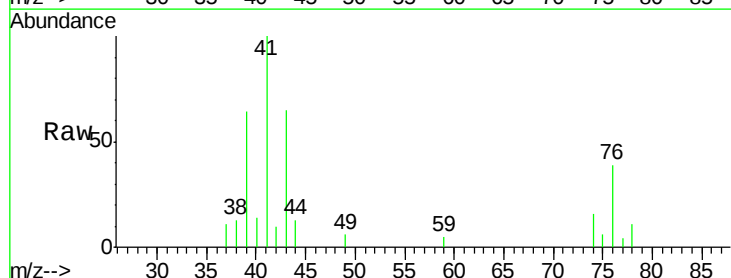
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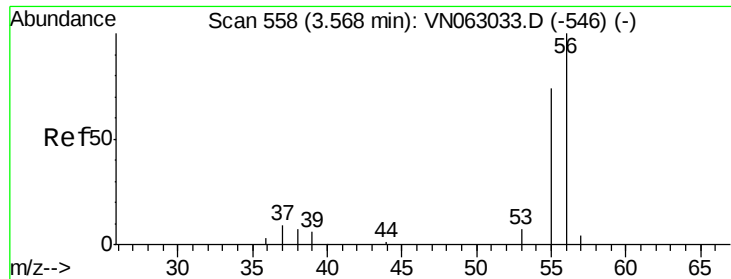
MMDadoda
8/21/2020 9:22:54 AM



#12
Methyl Acetate
Concen: 4.111 ug/l m
RT: 4.27 min Scan# 778
Delta R.T. -0.01 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	17.9	26.9





#13

Acrolein

Concen: 20.878 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5460

Ion Ratio Lower Upper

56 100

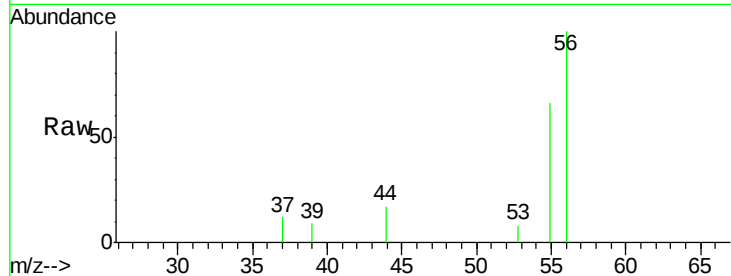
55 72.2 55.9 83.9

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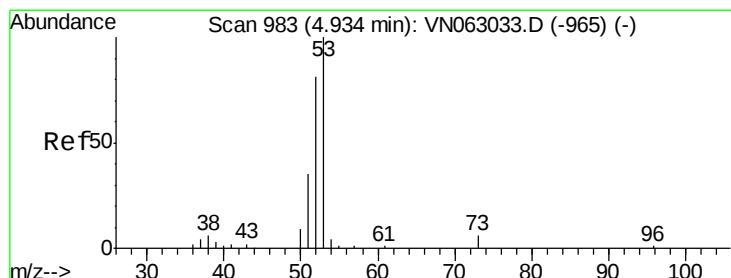
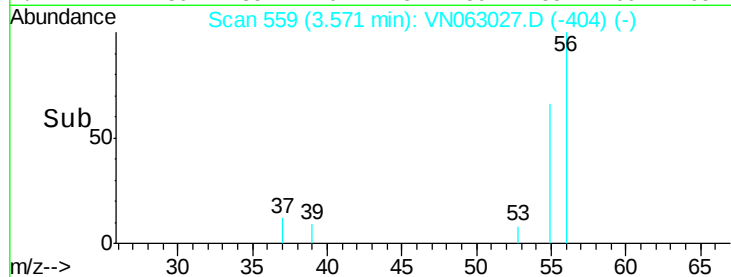
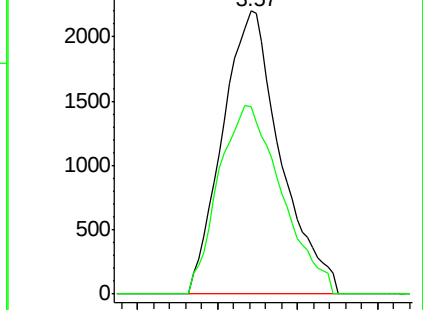
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN063033.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN063033.D (-546) (-)



#14

Acrylonitrile

Concen: 18.444 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

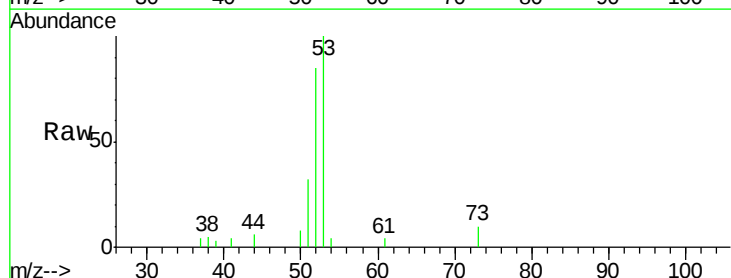
Tgt Ion: 53 Resp: 16387

Ion Ratio Lower Upper

53 100

52 78.6 40.3 120.9

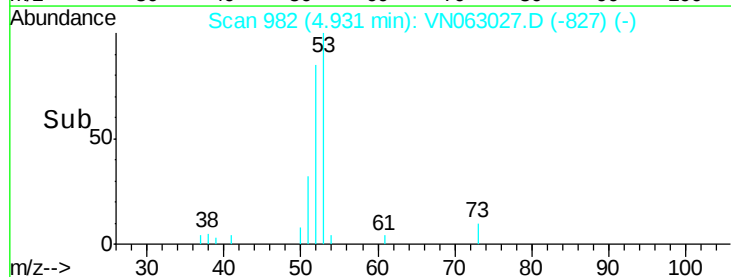
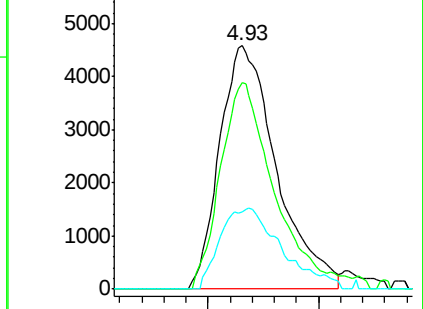
51 12.0 17.3 52.0#

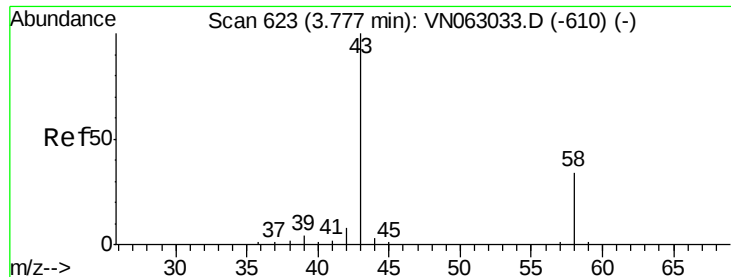


Abundance Ion 53.00 (52.70 to 53.70): VN063033.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN063033.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN063033.D (-965) (-)





#15

Acetone

Concen: 24.005 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 5730

Ion Ratio Lower Upper

58 100

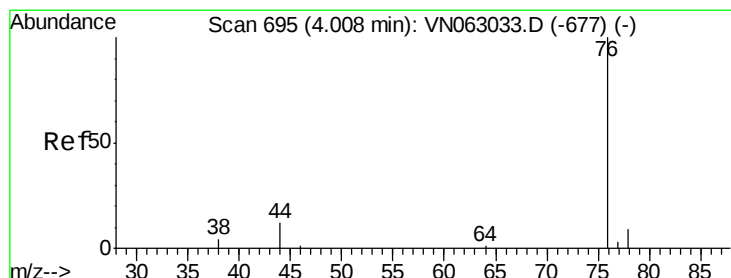
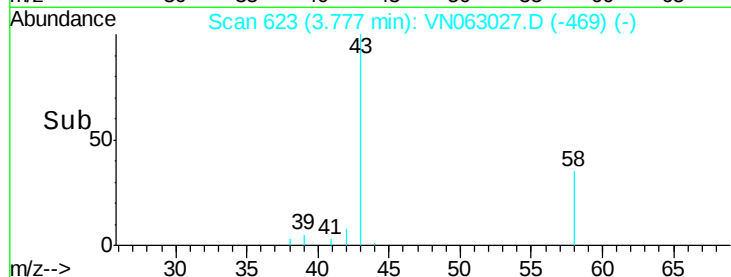
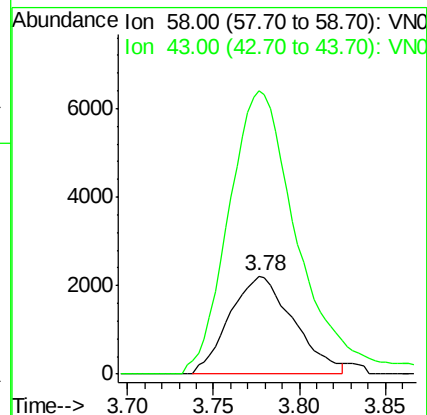
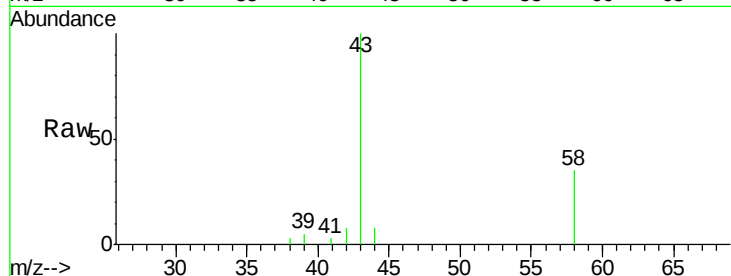
43 275.5 239.7 359.5

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#16

Carbon Disulfide

Concen: 4.337 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN063027.D

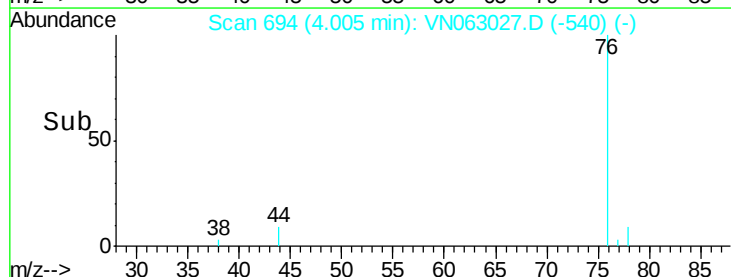
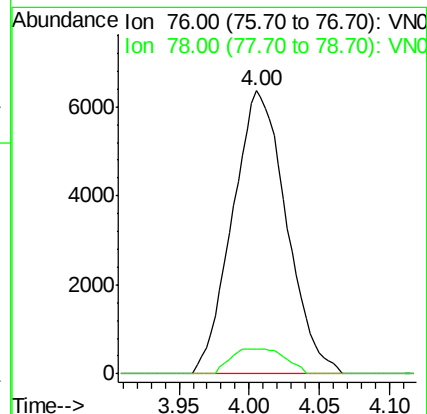
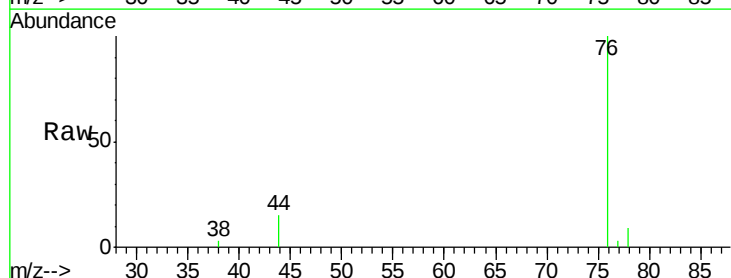
Acq: 20 Aug 2020 10:11

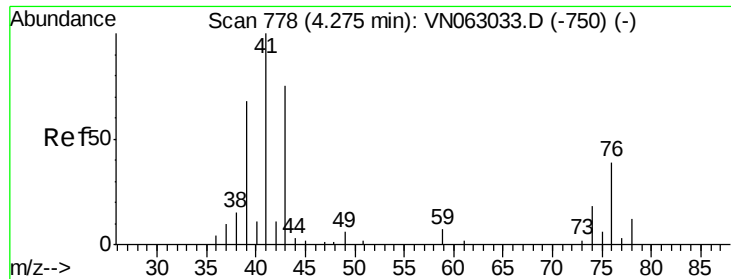
Tgt Ion: 76 Resp: 16988

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2





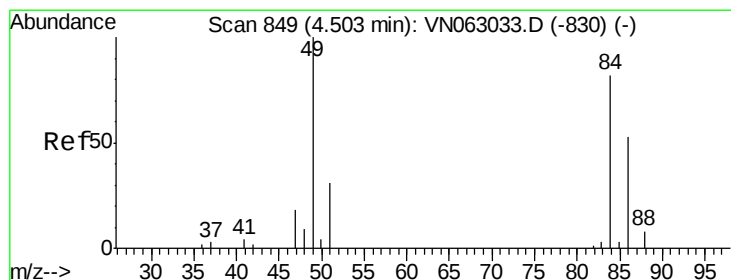
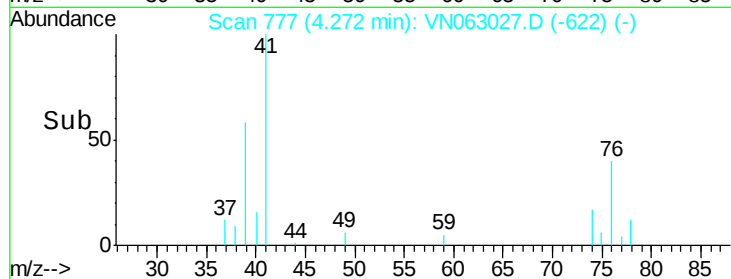
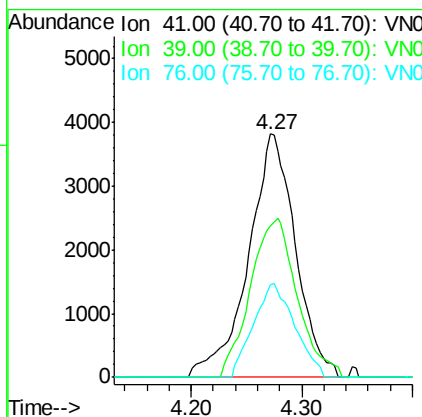
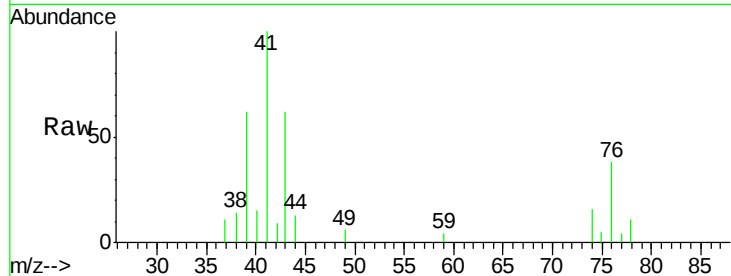
#17
Allvl chloride
Concen: 4.742 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	11309
Ion	Ratio	Lower	Upper
41	100		
39	62.0	32.8	98.4
76	38.1	18.1	54.4

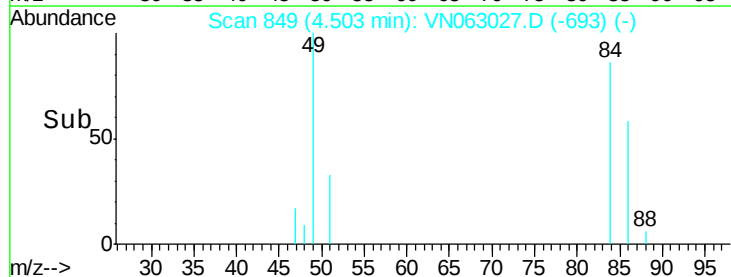
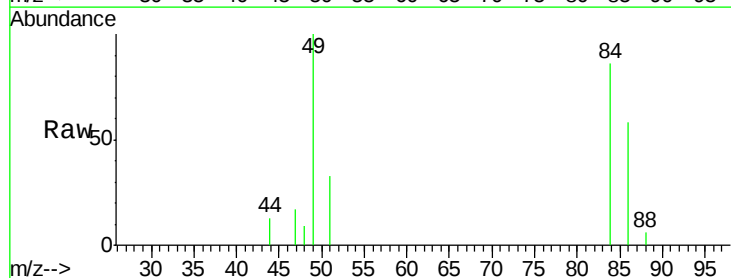
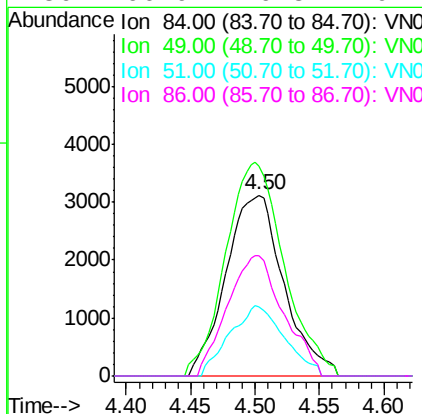
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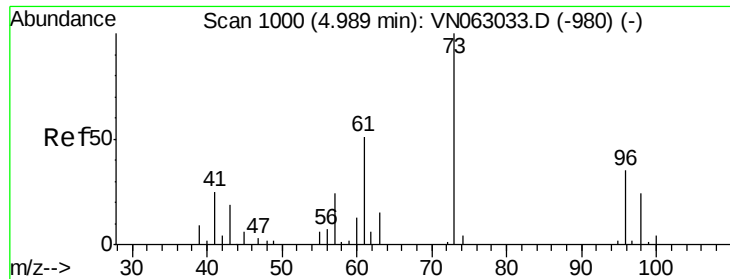
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#18
Methylene Chloride
Concen: 5.466 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion:	84	Resp:	9751
Ion	Ratio	Lower	Upper
84	100		
49	115.9	91.8	137.8
51	38.2	28.5	42.7
86	66.9	46.8	70.2





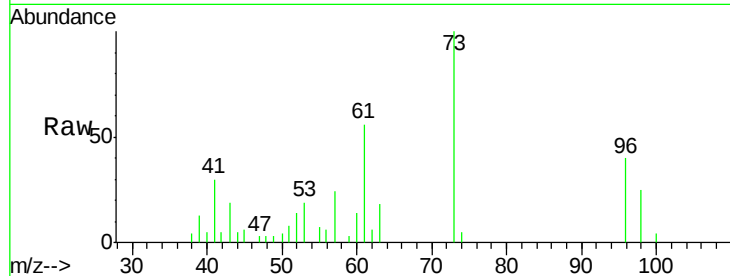
#19
trans-1,2-Dichloroethene
Concen: 4.803 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	108.2	162.2
98	63.3	49.6	74.4

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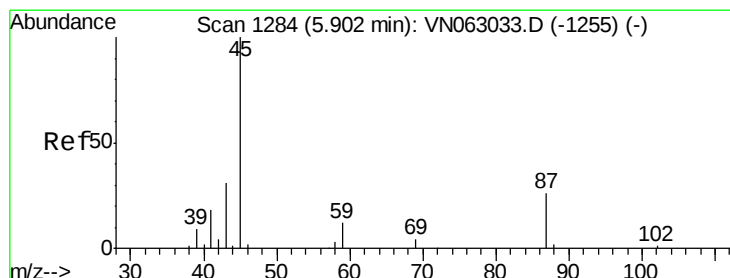
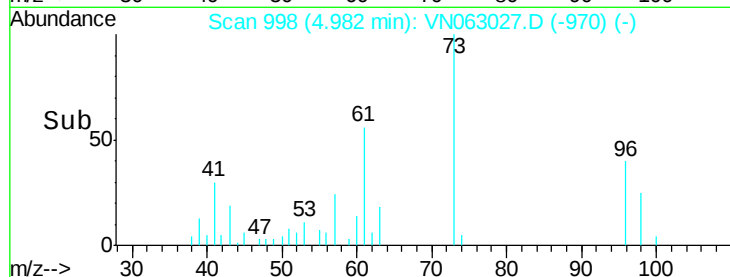
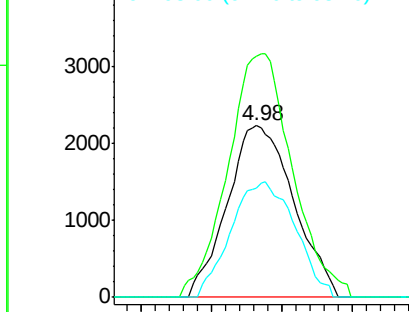


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 4.429 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	77.9	50.2	75.2#
87	26.0	21.0	31.4
59	12.5	11.2	16.8

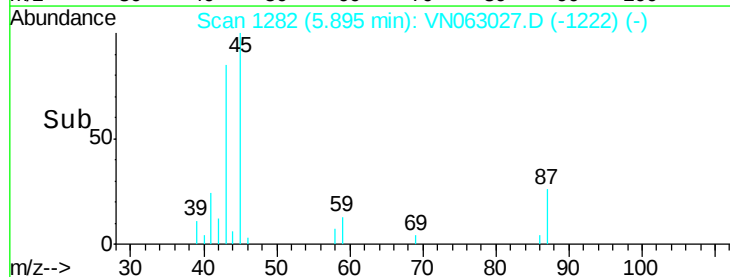
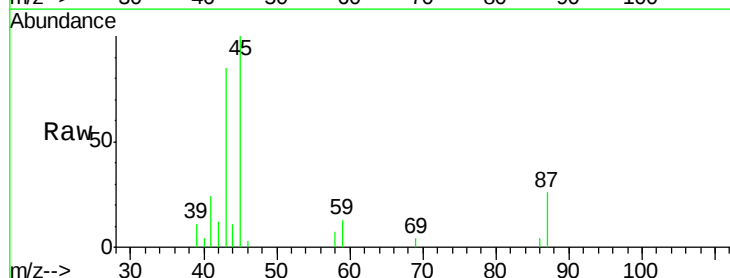
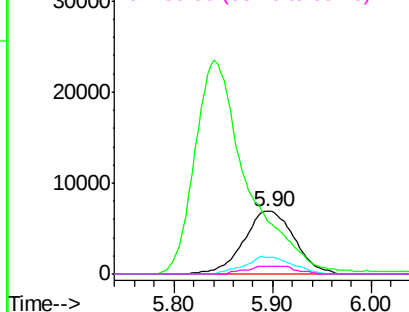
Abundance

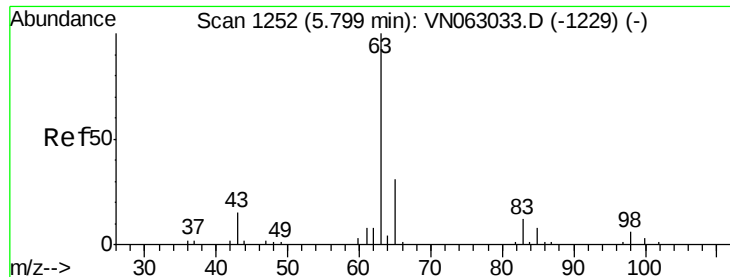
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





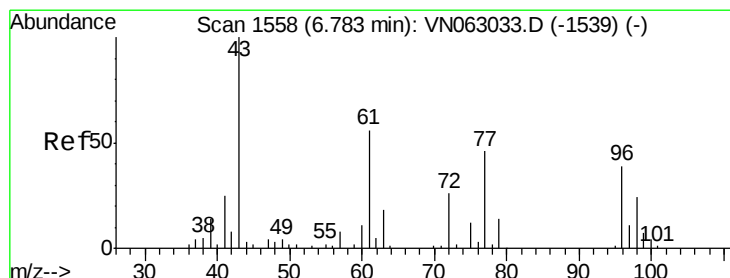
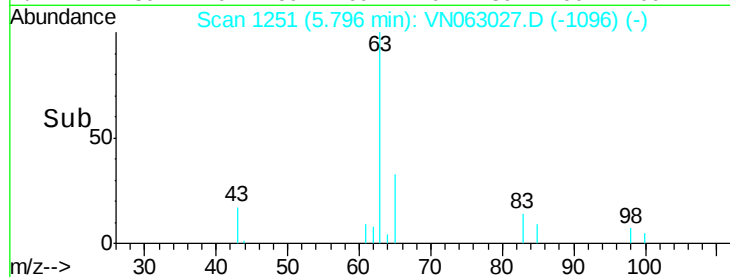
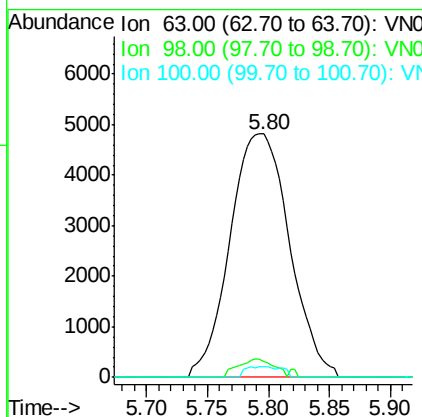
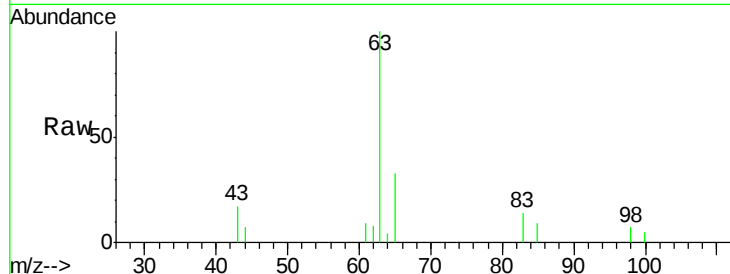
#21
 1,1-Dichloroethane
 Concen: 5.085 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.0	9.0
100	4.5	2.1	6.2

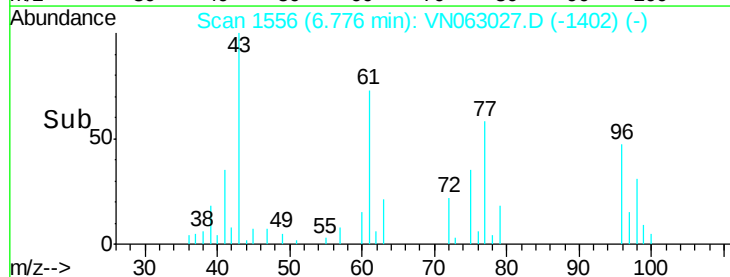
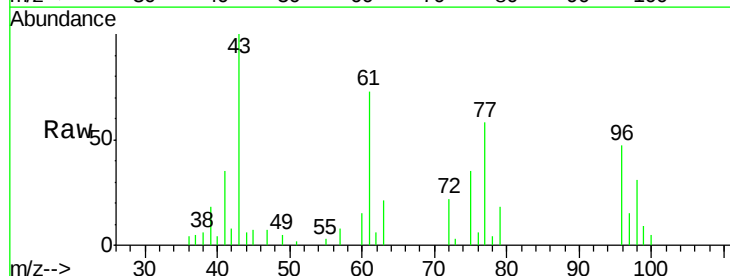
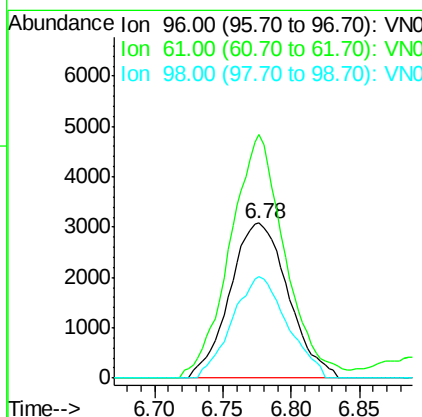
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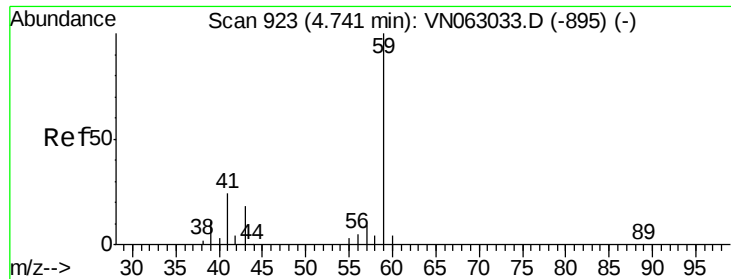
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 8/21/2020 9:22:54 AM



#22
 cis-1,2-Dichloroethene
 Concen: 5.029 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.4	120.8	181.2
98	61.5	52.1	78.1





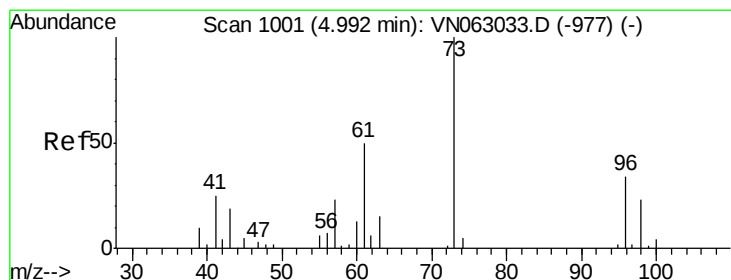
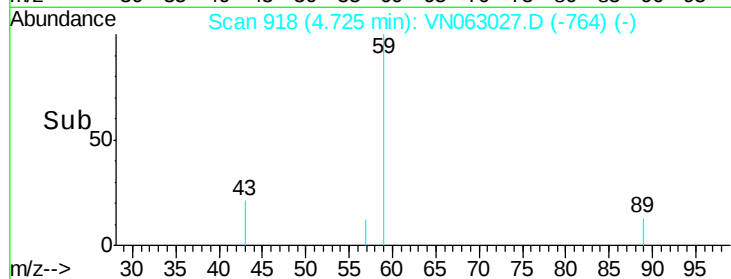
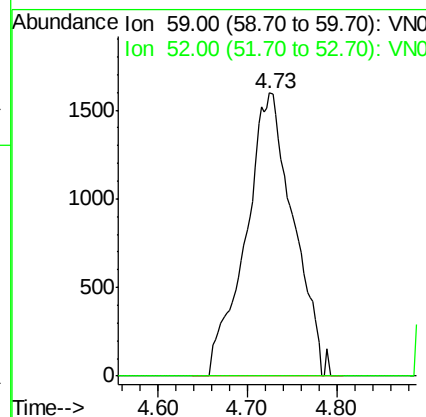
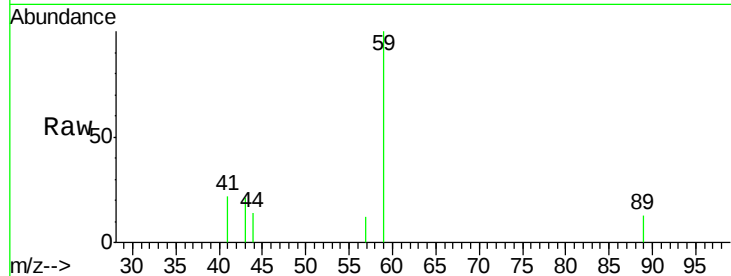
#23
 tert-Butyl Alcohol
 Concen: 16.415 ug/l m
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
52	217.1	0.0	0.0#

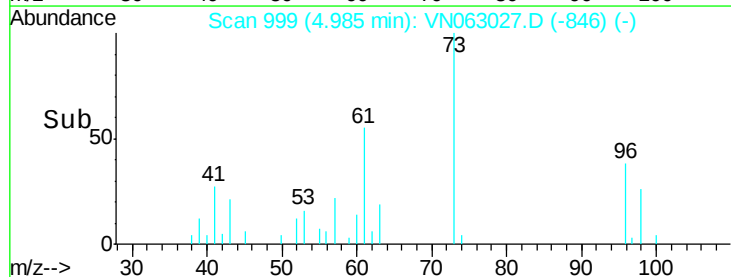
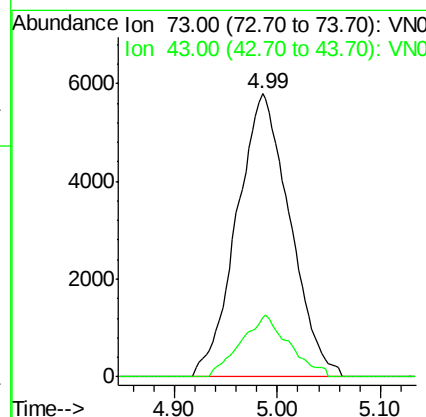
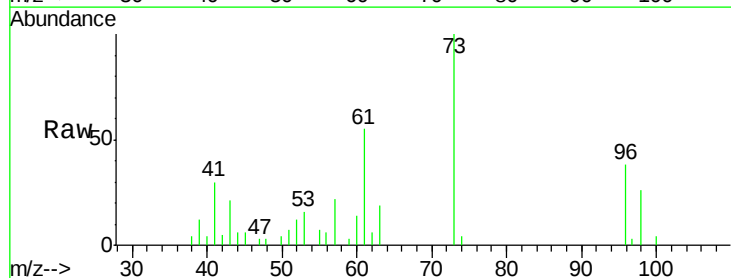
Manual Integrations
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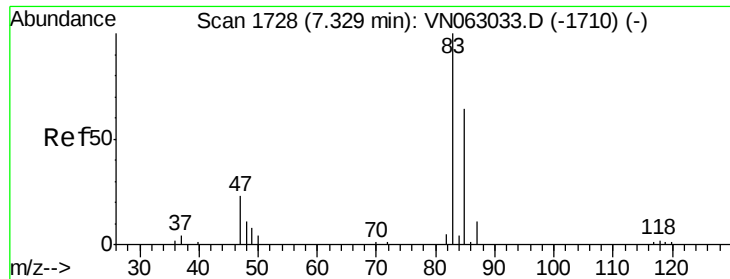
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#24
 Methyl tert-Butyl Ether
 Concen: 3.614 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.9	16.5	24.7





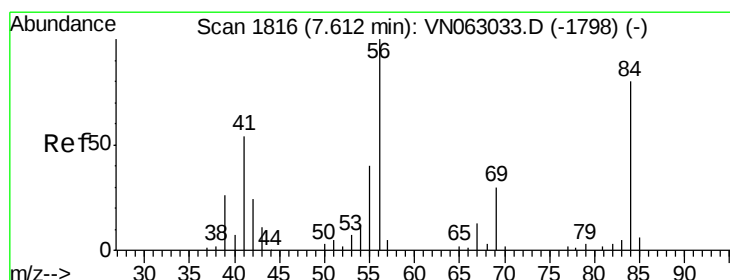
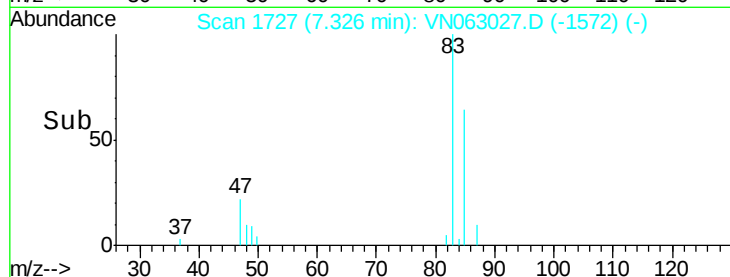
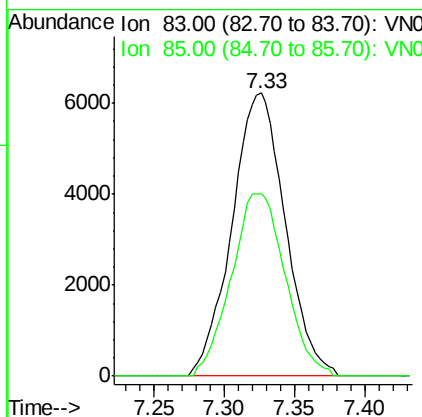
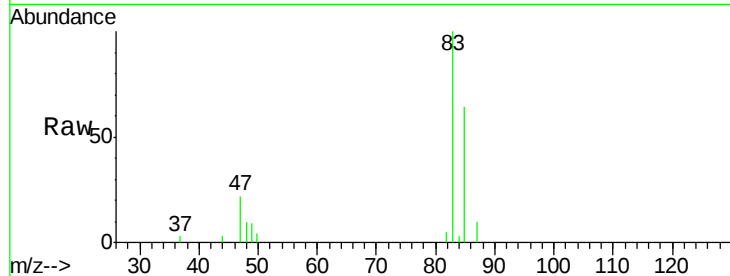
#25
Chloroform
Concen: 4.754 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	16428
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.3	75.5

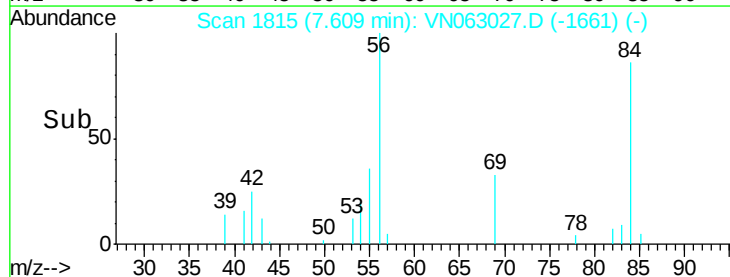
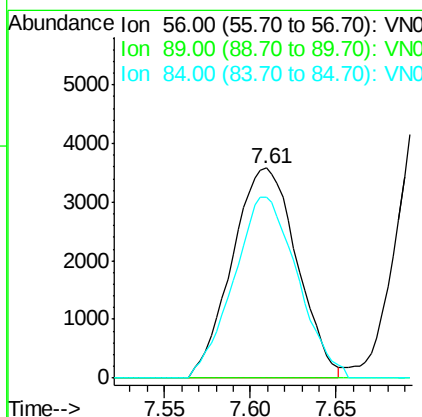
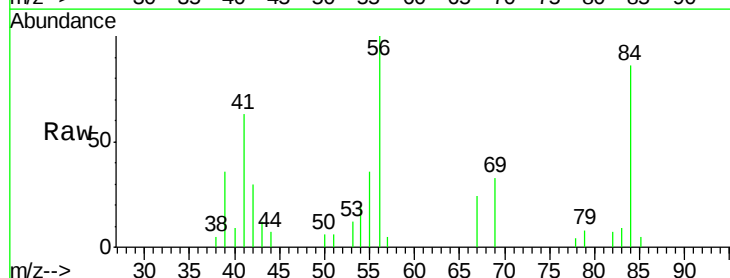
Manual Integrations
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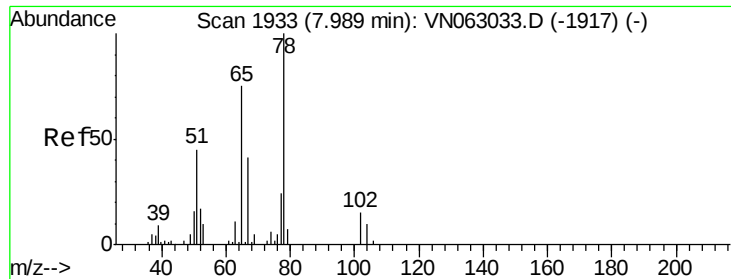
MMDadoda
8/21/2020 9:22:54 AM



#26
Cyclohexane
Concen: 3.444 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	56	Resp	9377
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.0	0.0
84	85.0	65.9	98.9





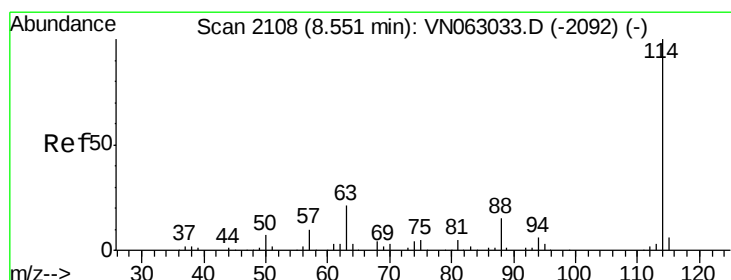
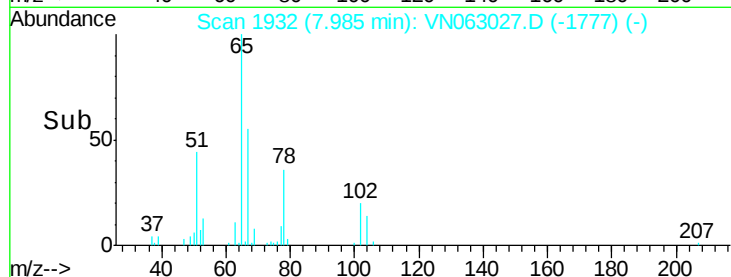
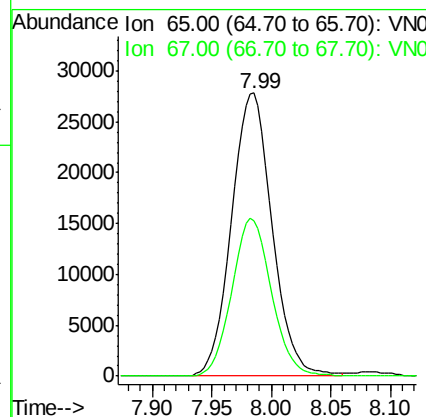
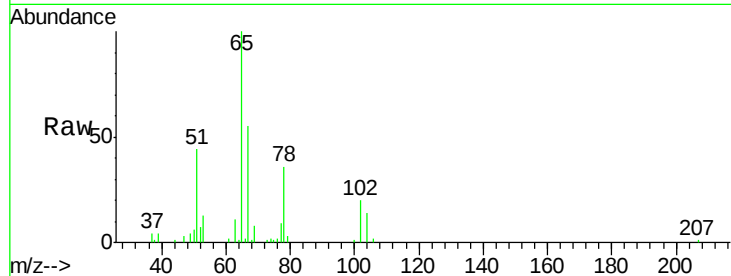
#27
 1,2-Dichloroethane-d4
 Concen: 25.181 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 65897
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.3 64.9

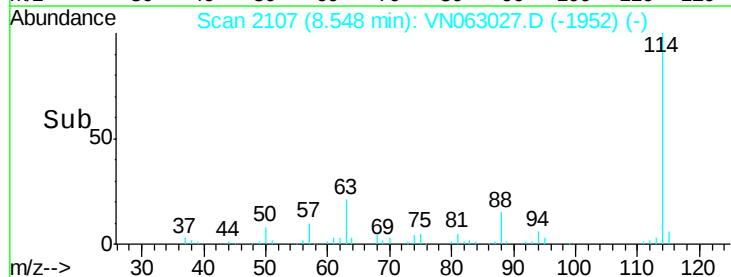
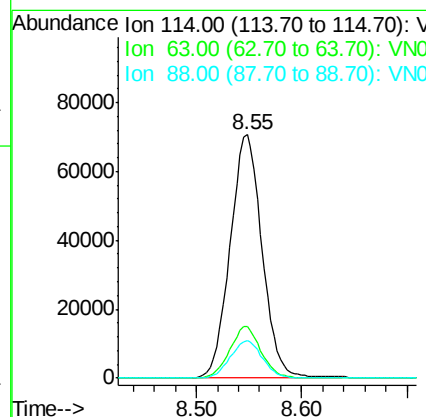
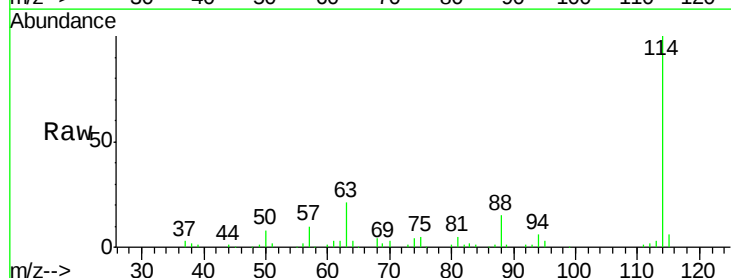
Manual Integrations
 APPROVED

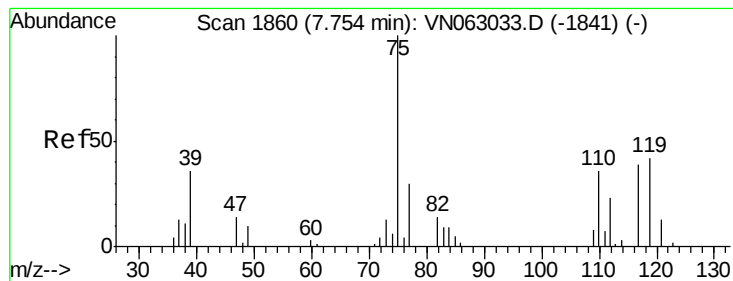
MMDadoda
 8/21/2020 9:22:54 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion: 114 Resp: 148222
 Ion Ratio Lower Upper
 114 100
 63 20.8 16.8 25.2
 88 15.4 12.6 18.8





#29

1,1-Dichloropropene

Concen: 4.596 ug/l

RT: 7.75 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

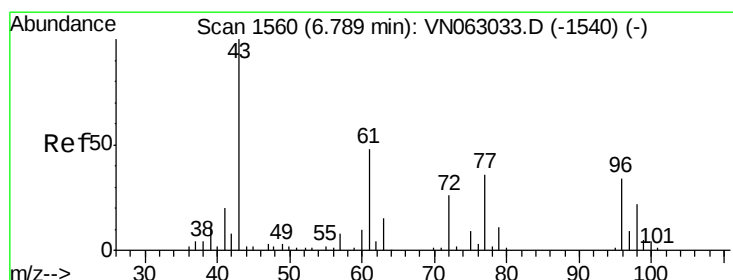
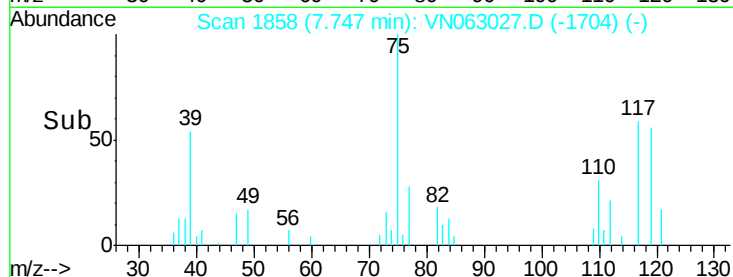
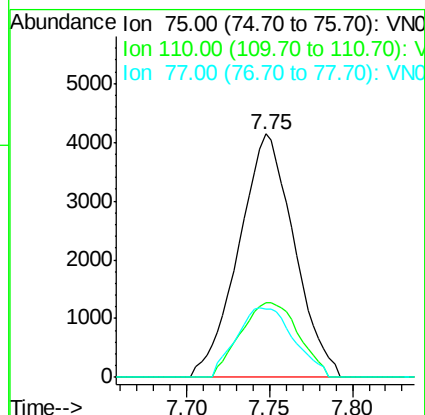
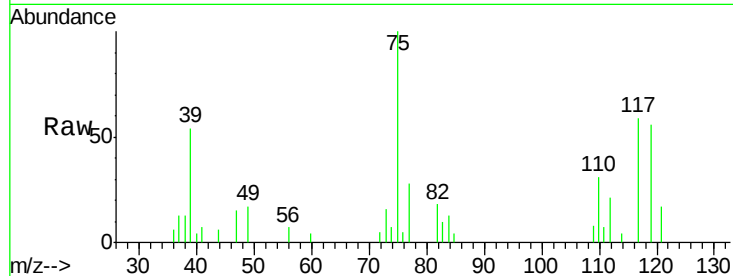
ClientSampled :

VSTDIC005

Tot Ion:	75	Resp:	9617
Ion	Ratio	Lower	Upper
75	100		
110	32.3	0.0	68.6
77	29.6	0.0	62.6

Manual Integrations
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#30

2-Butanone

Concen: 20.355 ug/l

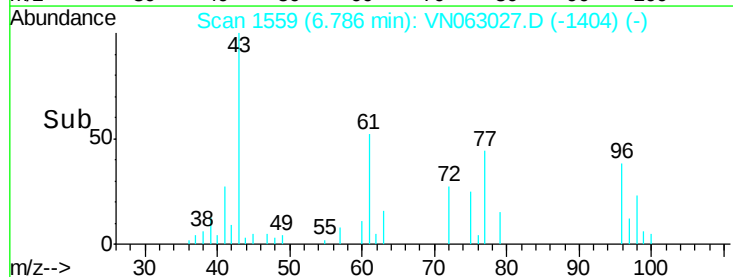
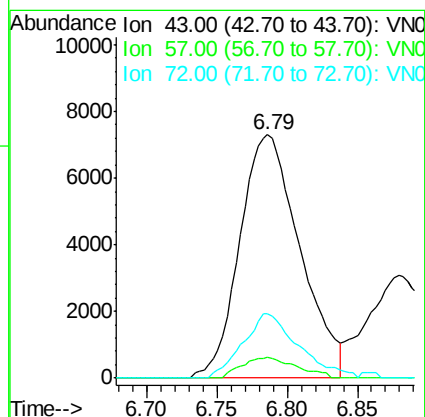
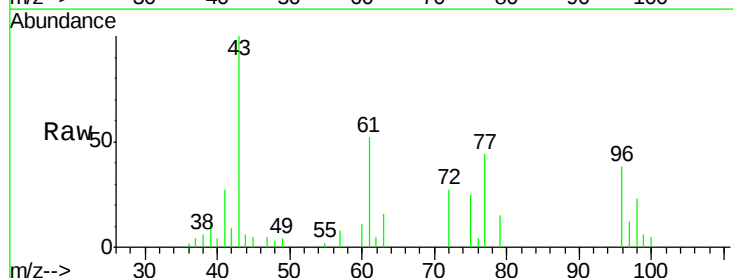
RT: 6.79 min Scan# 1559

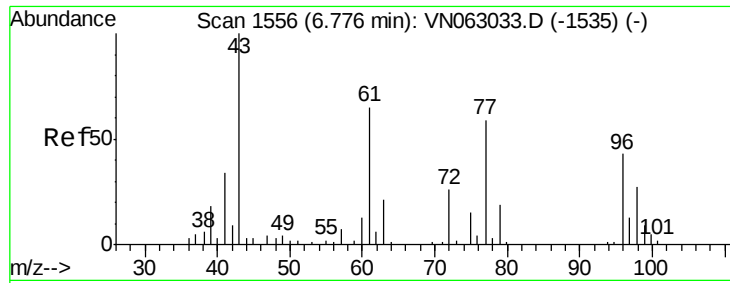
Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Tgt Ion:	43	Resp:	21762
Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.6	9.8
72	24.5	21.6	32.4





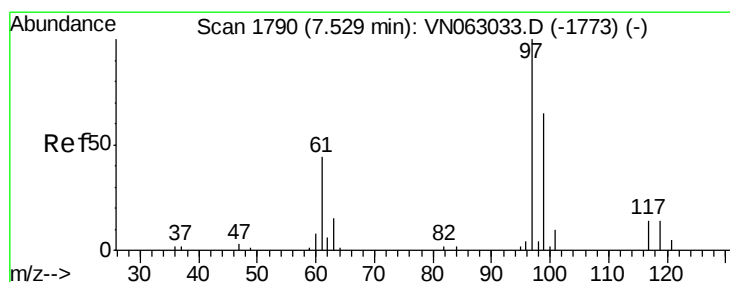
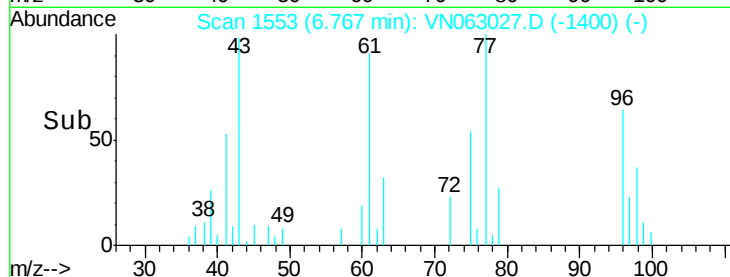
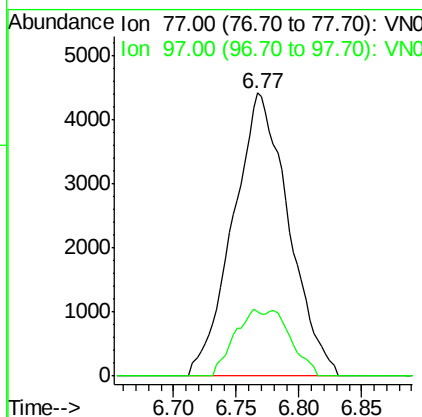
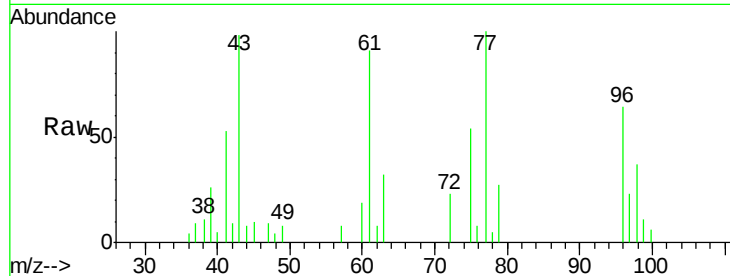
#31
 2,2-Dichloropropane
 Concen: 6.280 ug/l
 RT: 6.77 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 13609
 Ion Ratio Lower Upper
 77 100
 97 11.6 18.0 27.0#

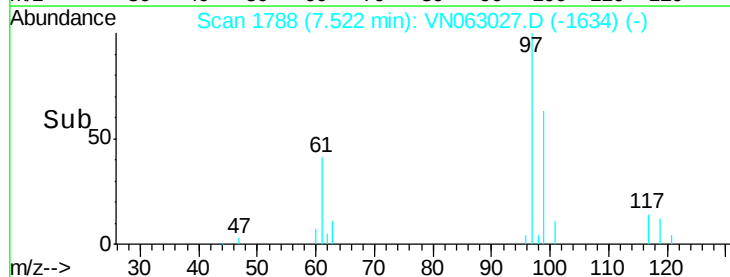
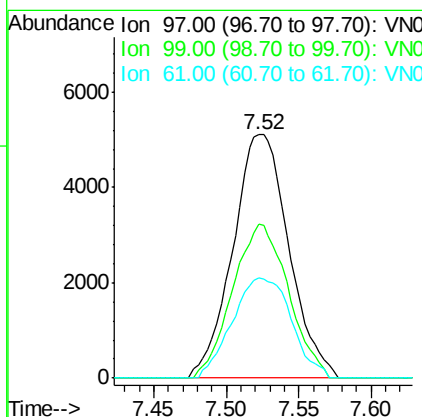
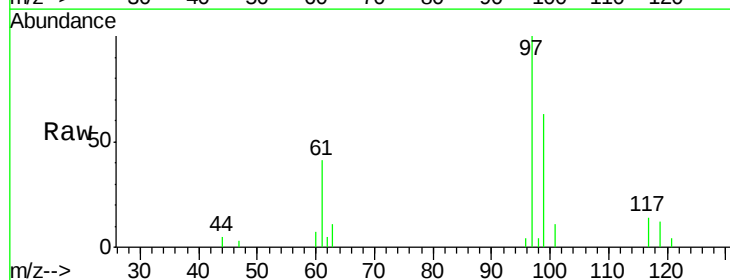
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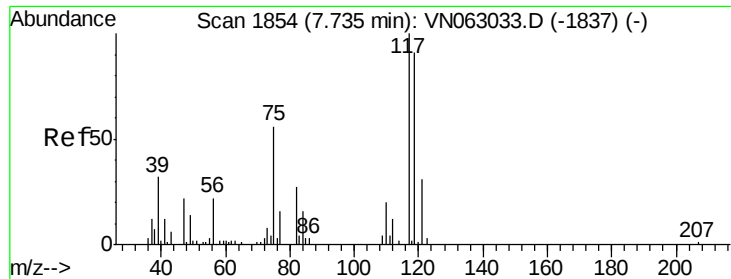
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#32
 1,1,1-Trichloroethane
 Concen: 4.841 ug/l
 RT: 7.52 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion: 97 Resp: 13714
 Ion Ratio Lower Upper
 97 100
 99 62.8 49.8 74.6
 61 43.3 35.5 53.3





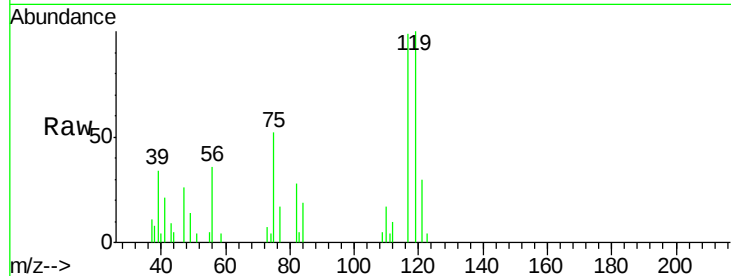
#33
Carbon Tetrachloride
Concen: 4.484 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.9	74.6	111.8
121	30.4	24.9	37.3

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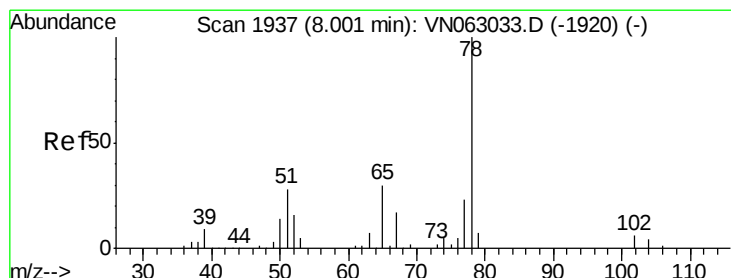
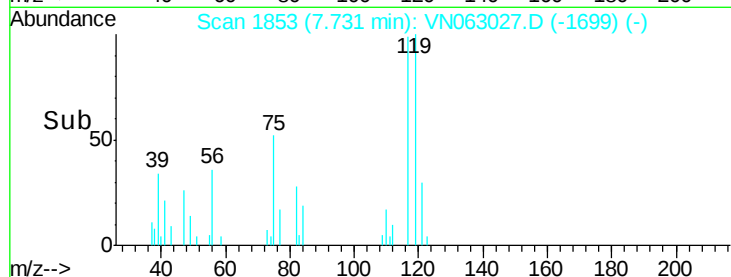
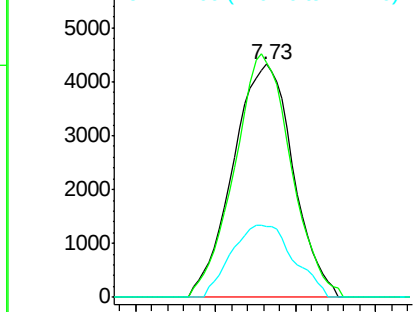


Abundance

Ion 117.00 (116.70 to 117.70): V

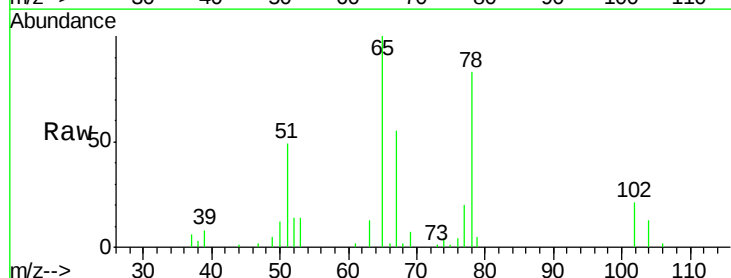
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 5.426 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.8	29.8
51	57.6	24.2	36.2#

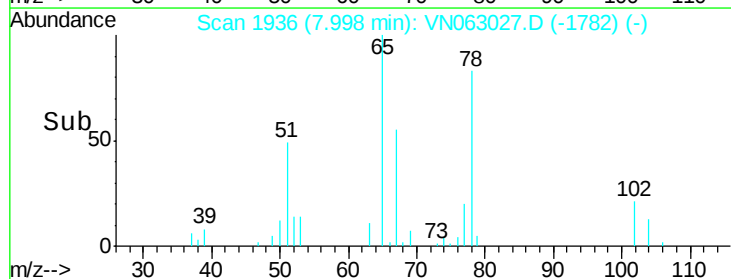
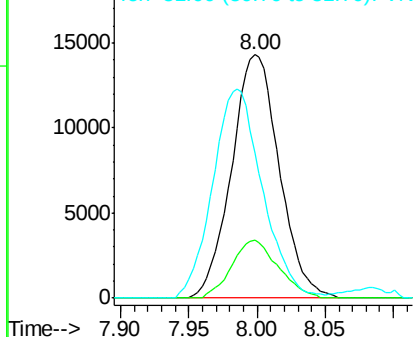


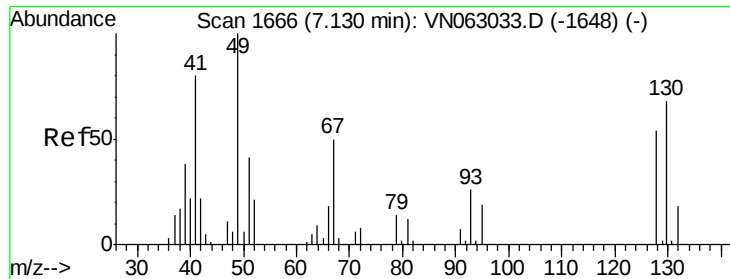
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





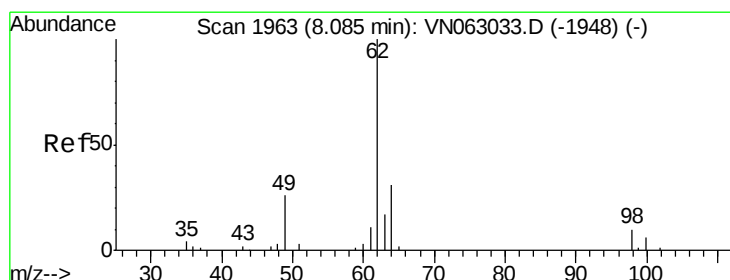
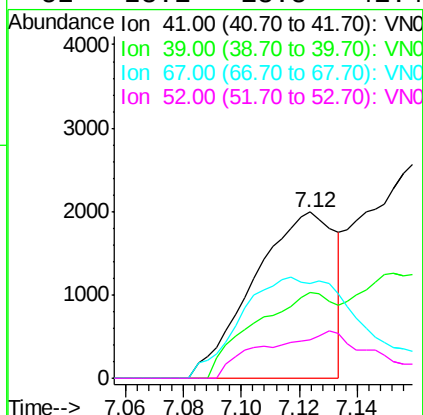
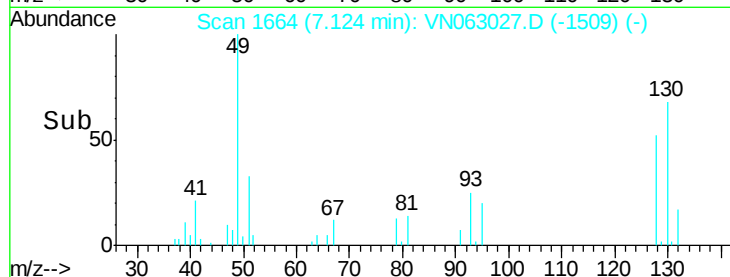
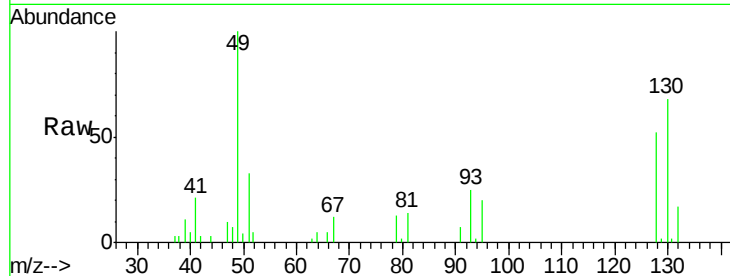
#35
Methacrylonitrile
Concen: 4.044 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	3892
Ion	Ratio	Lower	Upper
41	100		
39	51.5	26.1	78.2
67	56.7	34.1	102.3
52	23.1	13.8	41.4

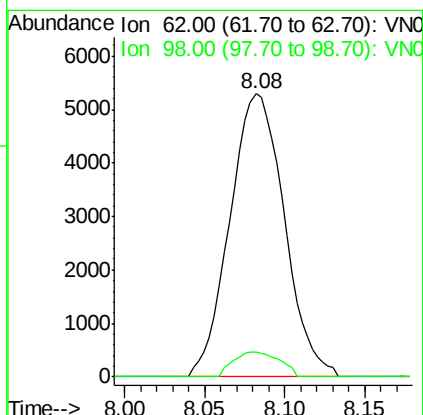
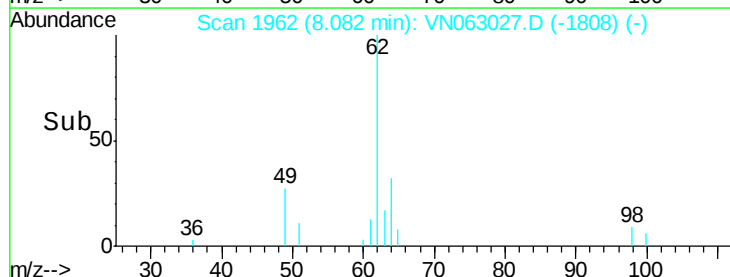
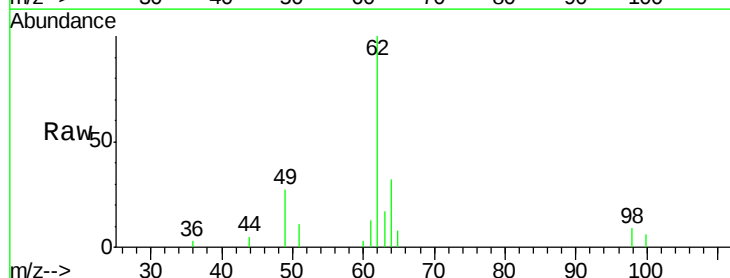
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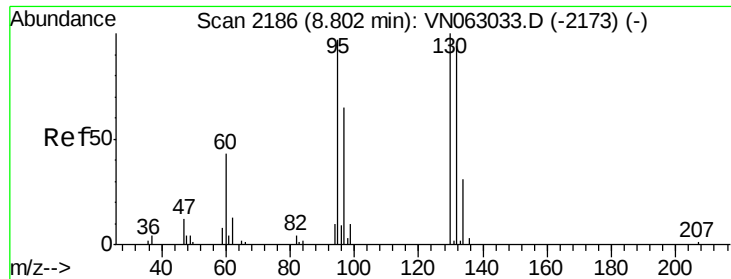
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#36
1,2-Dichloroethane
Concen: 4.589 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion:	62	Resp:	12324
Ion	Ratio	Lower	Upper
62	100		
98	7.4	7.2	10.8





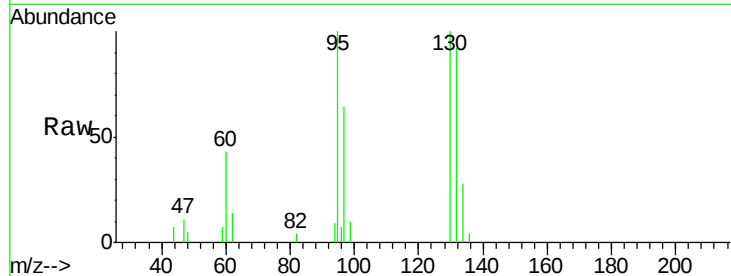
#37
 Trichloroethene
 Concen: 5.556 ug/l
 RT: 8.80 min Scan# 2184
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

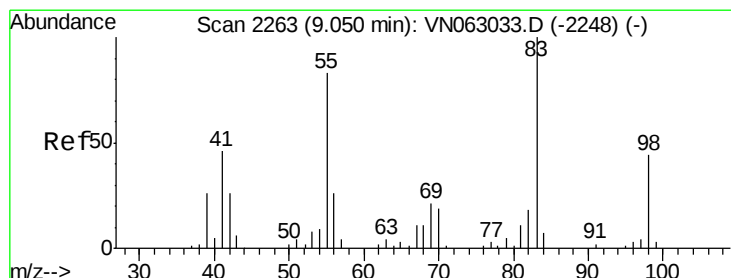
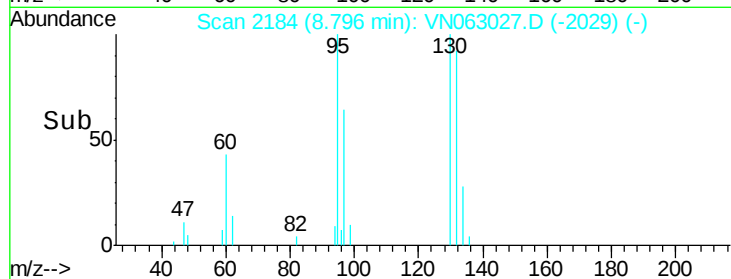
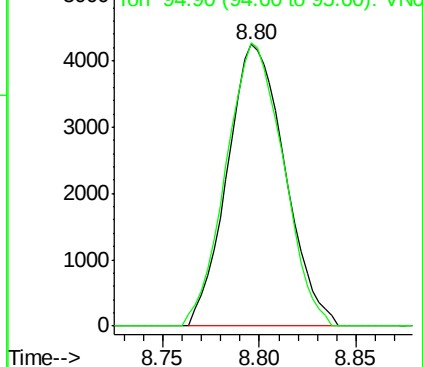
Tot Ion:130 Resp: 8793
 Ion Ratio Lower Upper
 130 100
 95 100.4 81.0 121.6

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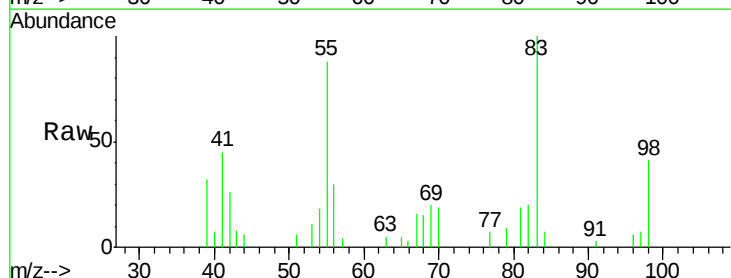


Abundance Ion 129.90 (129.60 to 130.60): V

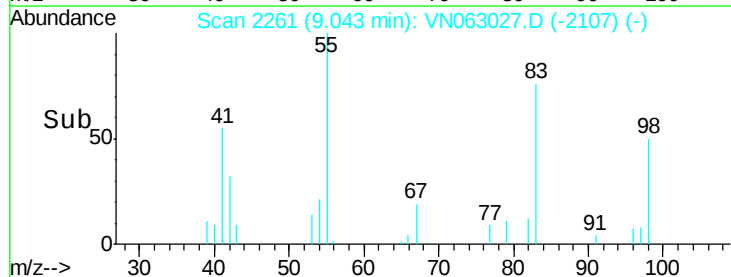
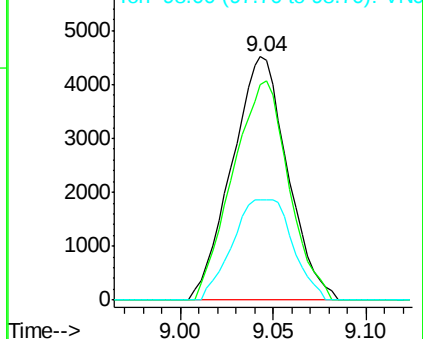


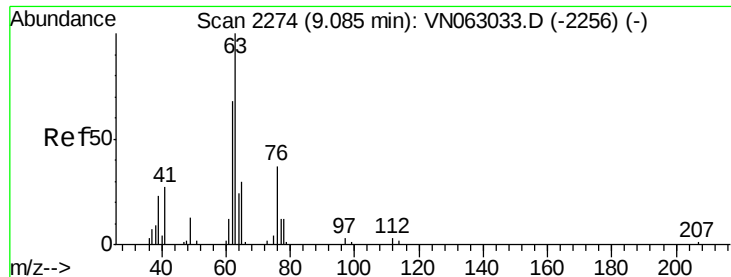
#38
 Methylcyclohexane
 Concen: 3.765 ug/l
 RT: 9.04 min Scan# 2261
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion: 83 Resp: 9457
 Ion Ratio Lower Upper
 83 100
 55 90.2 42.9 128.5
 98 44.3 22.4 67.3



Abundance Ion 83.00 (82.70 to 83.70): VNO





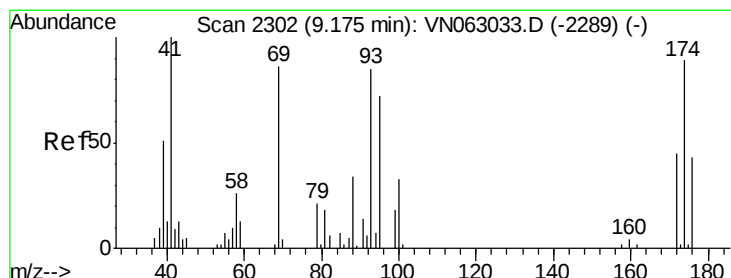
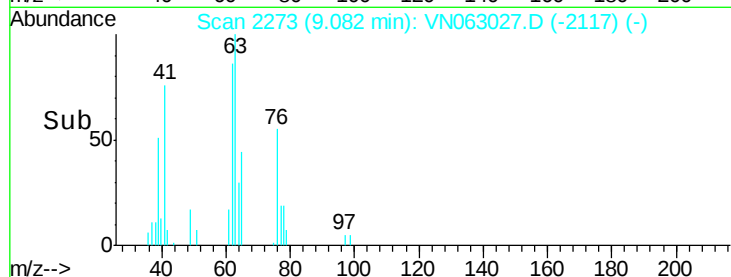
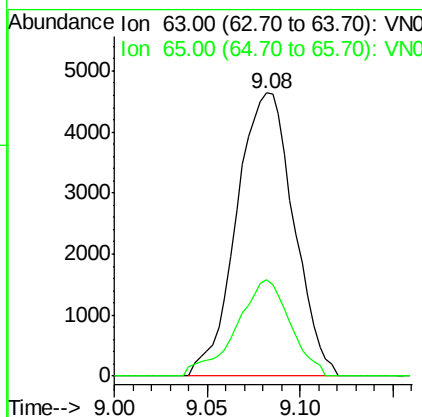
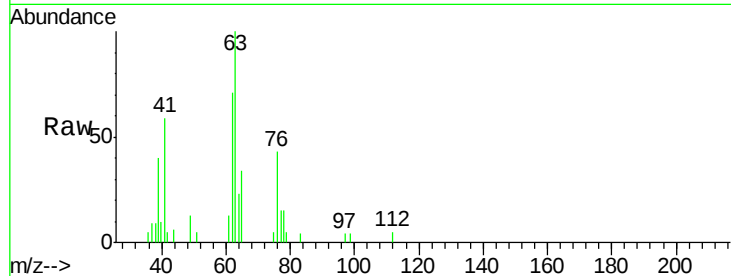
#39
 1,2-Dichloropropane
 Concen: 5.651 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 63 Resp: 9974
 Ion Ratio Lower Upper
 63 100
 65 34.1 24.5 36.7

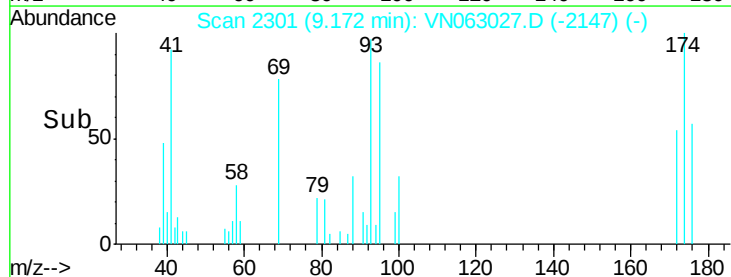
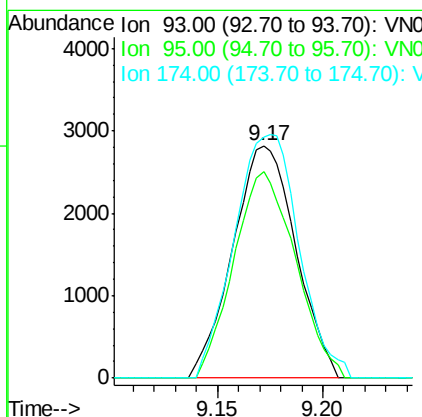
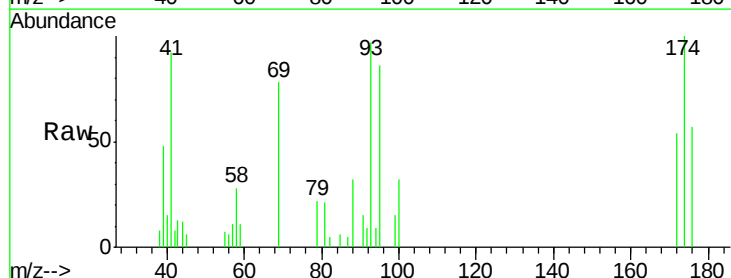
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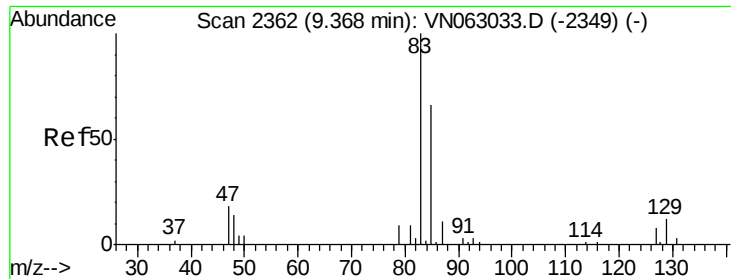
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#40
 Dibromomethane
 Concen: 5.035 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion: 93 Resp: 5871
 Ion Ratio Lower Upper
 93 100
 95 86.8 0.0 166.2
 174 107.8 0.0 212.4





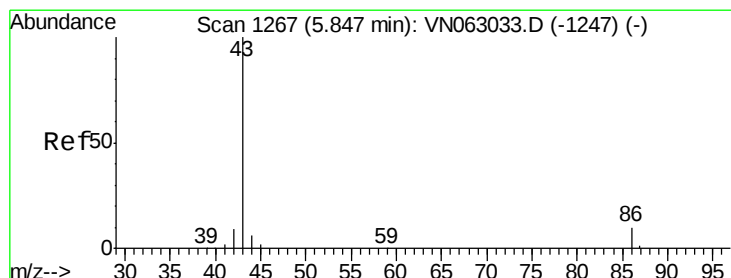
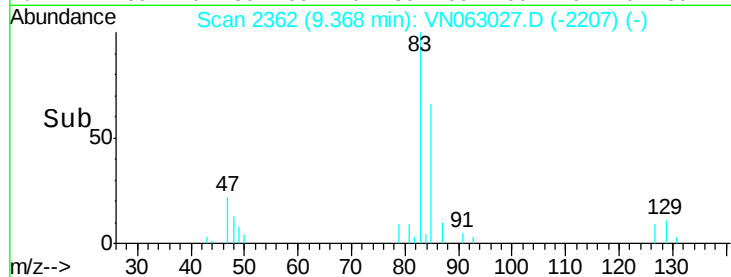
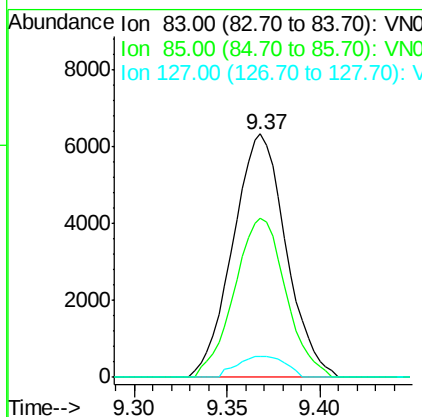
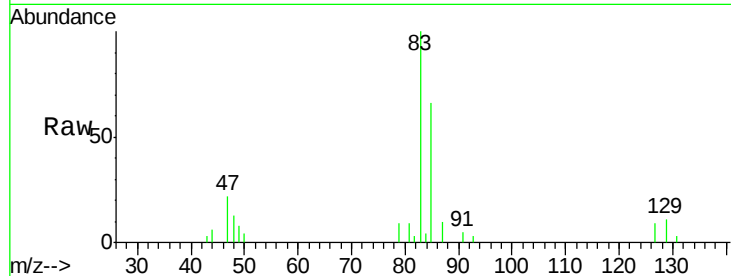
#41
 Bromodichloromethane
 Concen: 4.833 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	12555
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	50.1	75.1
127	8.8	6.8	10.2

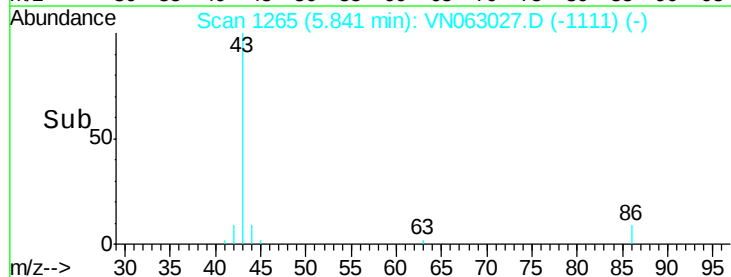
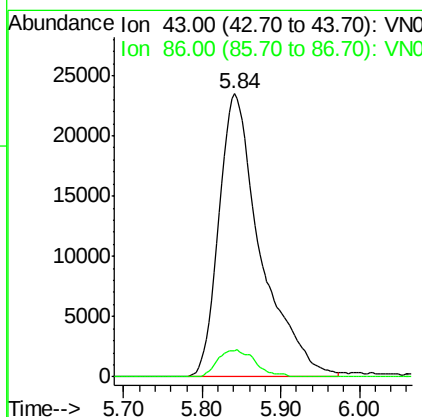
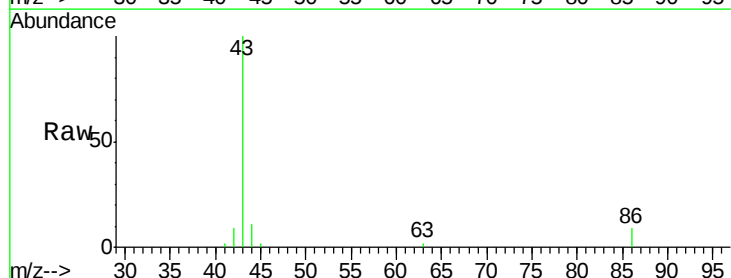
Manual Integrations
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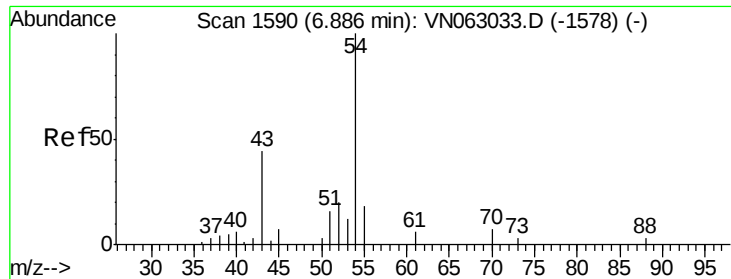
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#42
 Vinyl Acetate
 Concen: 23.576 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion	43	Resp	86539
Ion Ratio	100	Lower	Upper
43	100		
86	8.5	6.6	9.8





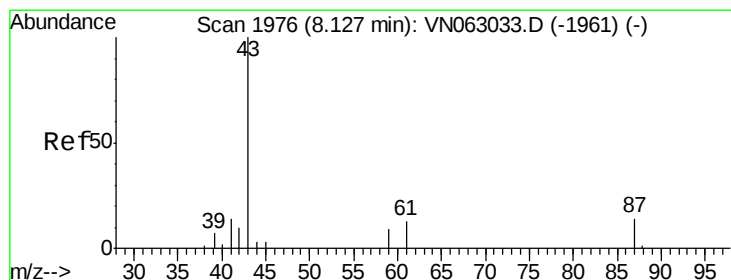
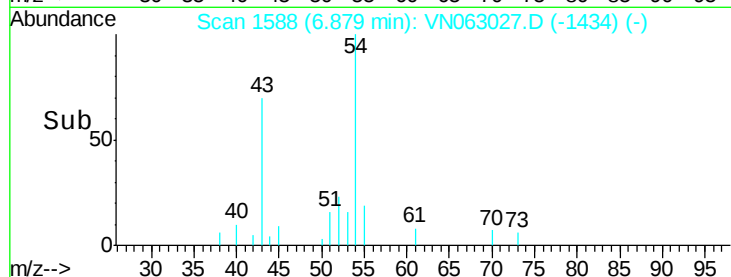
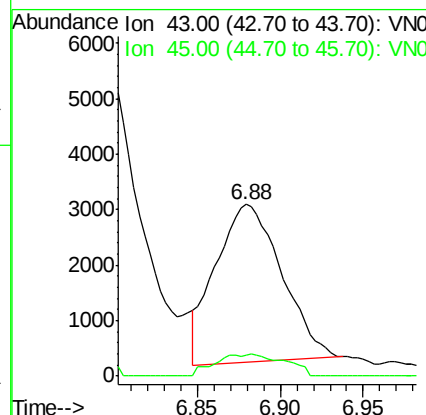
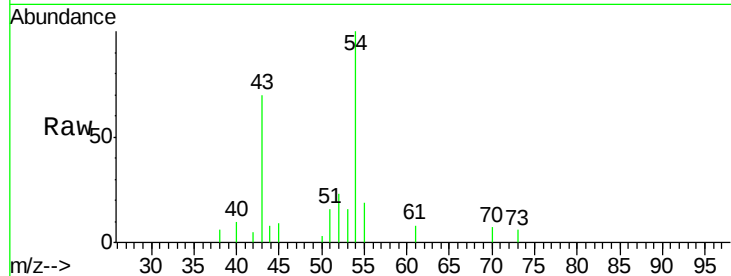
#43
Ethyl Acetate
Concen: 3.852 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	45	Ratio	100	2.4	Resp:	7907	Lower	Upper
43	100								
45		2.4					13.0		19.4#

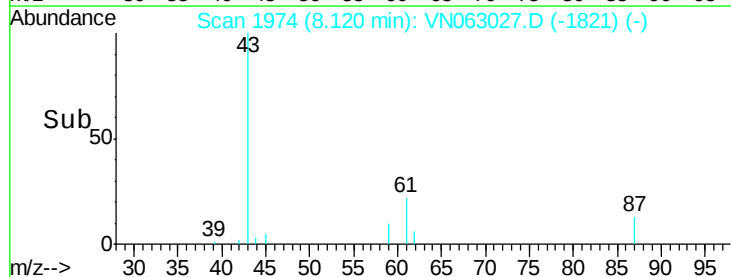
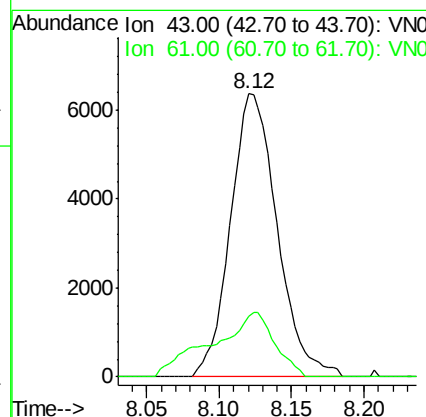
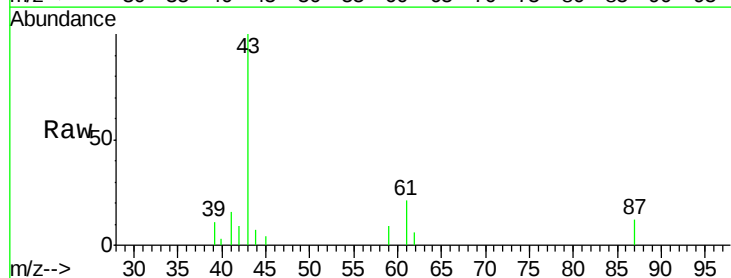
Manual Integrations
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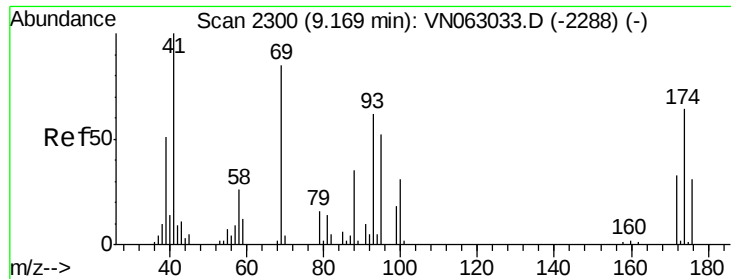
MMDadoda
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#44
Isopropyl Acetate
Concen: 4.137 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.01 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	43	61	Ratio	100	16.3	Resp:	14291	Lower	Upper
43	100								
61		16.3					16.2		24.2





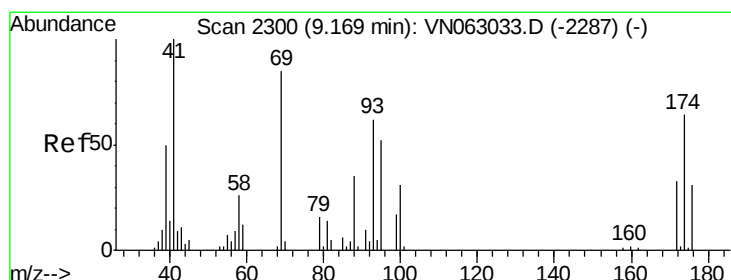
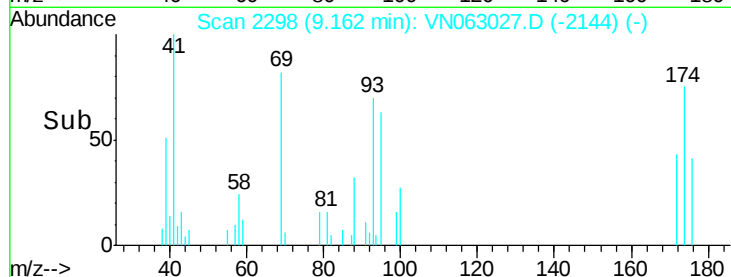
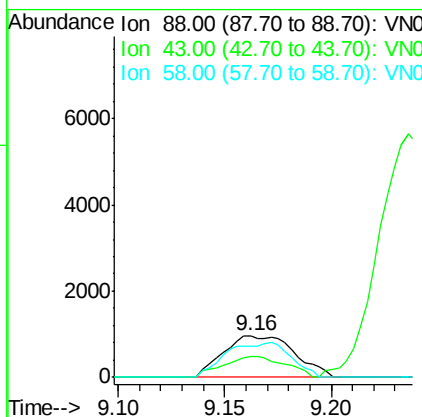
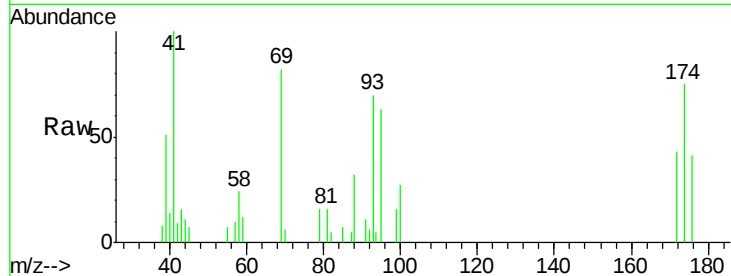
#45
 1,4-Dioxane
 Concen: 66.884 ug/l m
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.7	27.9	41.9#
58	35.6	56.2	84.4#

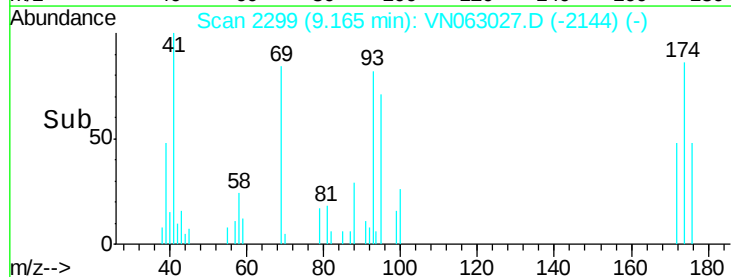
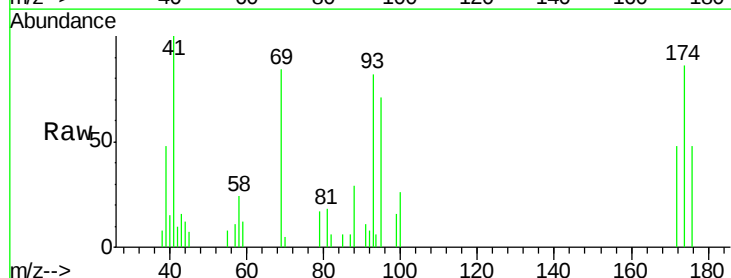
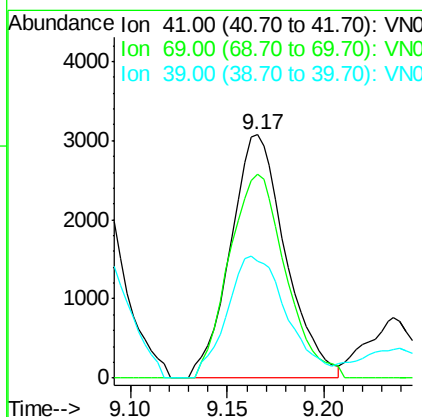
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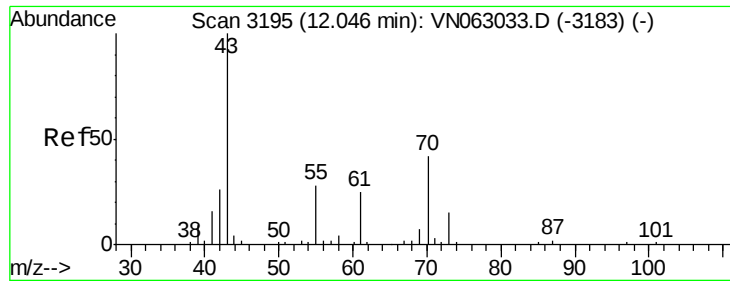
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#46
 Methyl methacrylate
 Concen: 3.568 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.6	43.9	131.6
39	48.3	25.6	76.6





#47

n-amvl Acetate

Concen: 3.179 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 9631

Ion Ratio Lower Upper

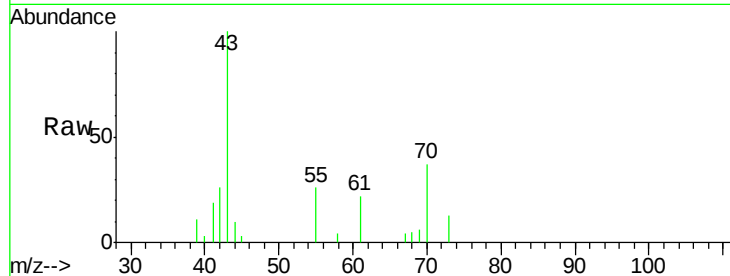
43 100

55 25.3 21.2 31.8

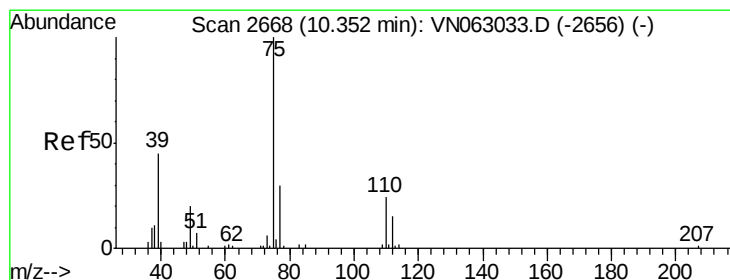
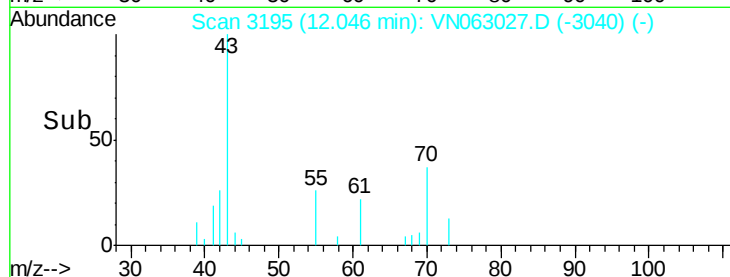
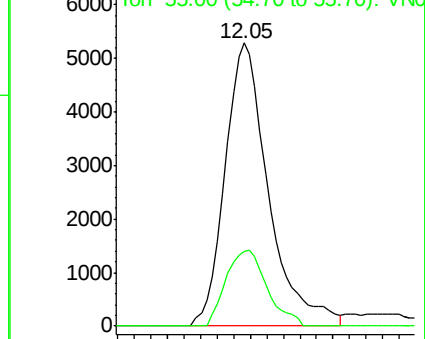
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Abundance Ion 43.00 (42.70 to 43.70): VN063027.D (-3040) (-)



#48

t-1,3-Dichloropropene

Concen: 4.254 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.00 min

Lab File: VN063027.D

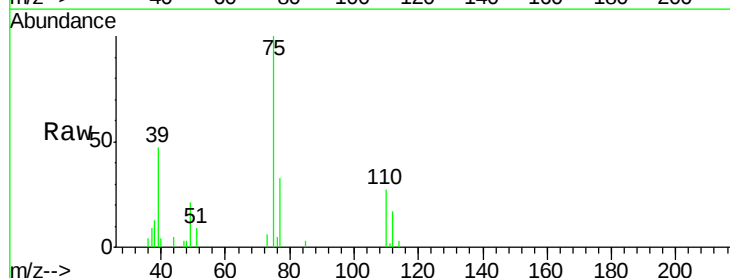
Acq: 20 Aug 2020 10:11

Tgt Ion: 75 Resp: 11552

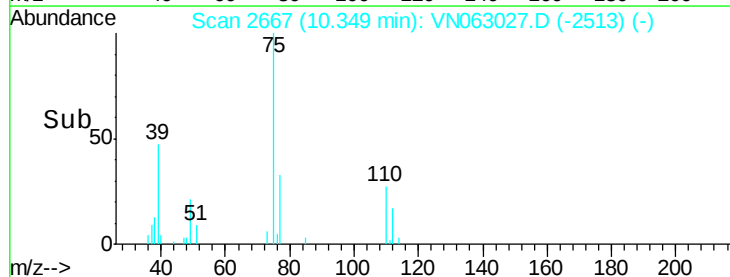
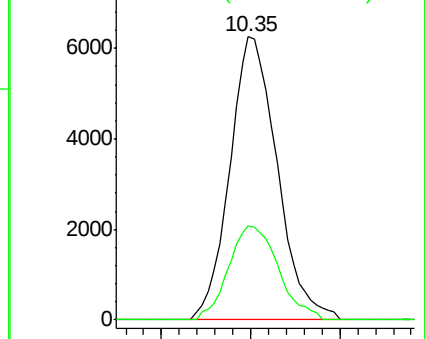
Ion Ratio Lower Upper

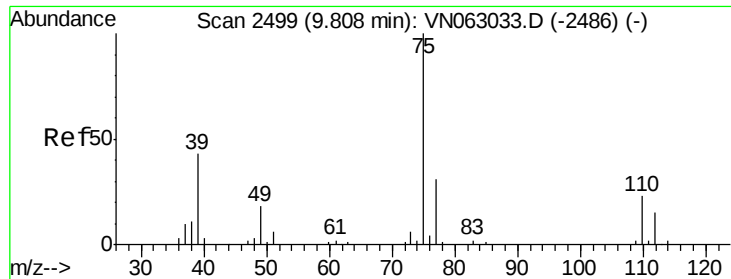
75 100

77 33.1 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VN063027.D (-2513) (-)





#49

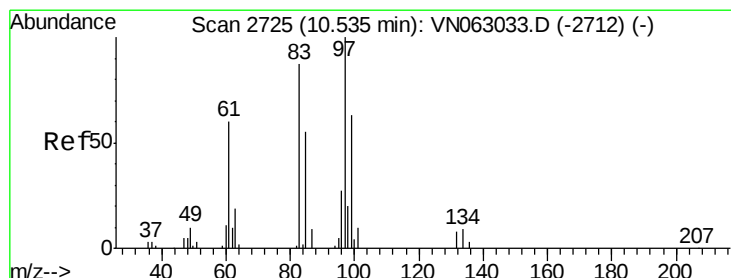
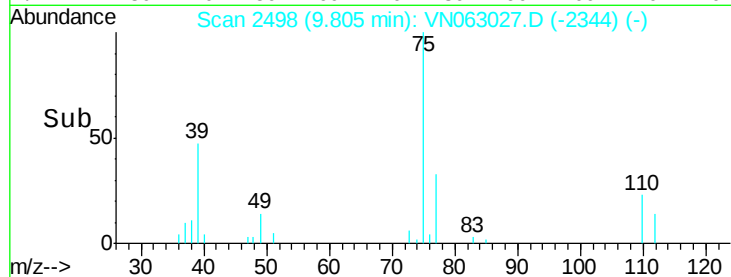
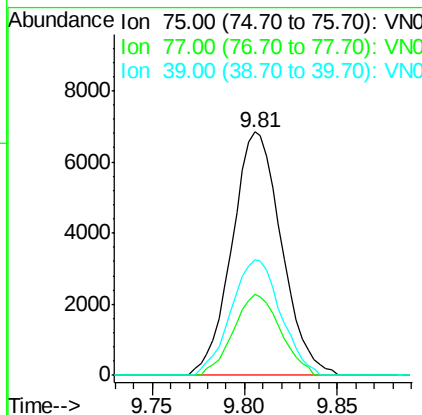
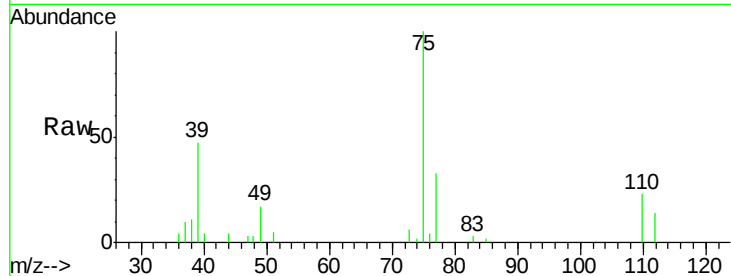
cis-1,3-Dichloropropene
Concen: 4.563 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.2	37.8
39	47.3	35.6	53.4

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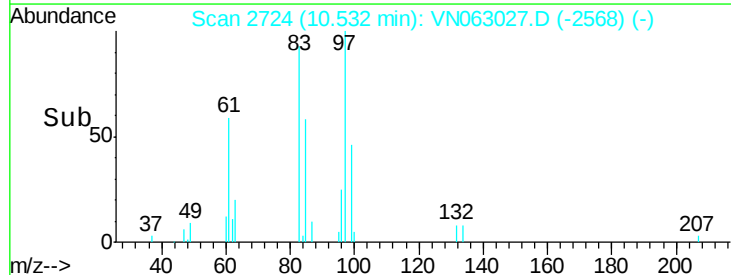
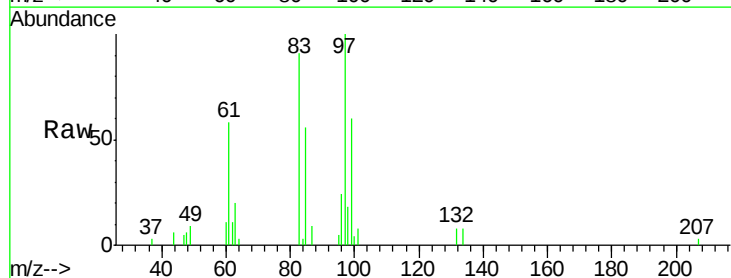
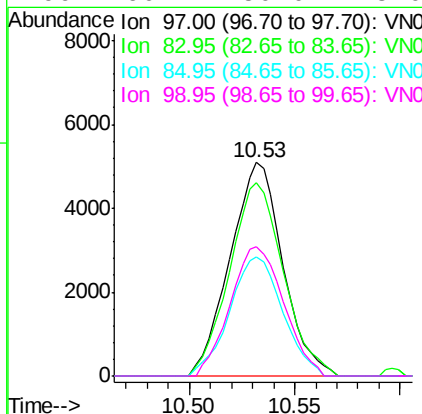
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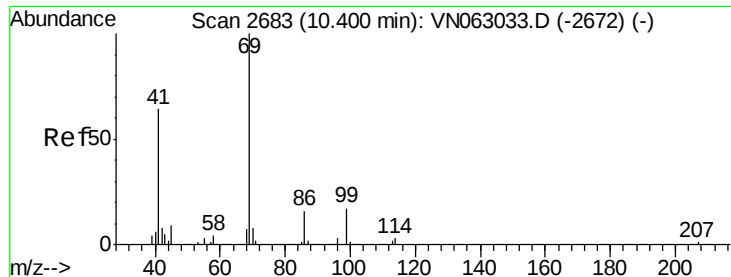


#50

1,1,2-Trichloroethane
Concen: 5.233 ug/l
RT: 10.53 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.6	73.0	109.4
85	56.0	46.5	69.7
99	60.4	50.0	75.0





#51

Ethyl methacrylate

Concen: 3.403 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

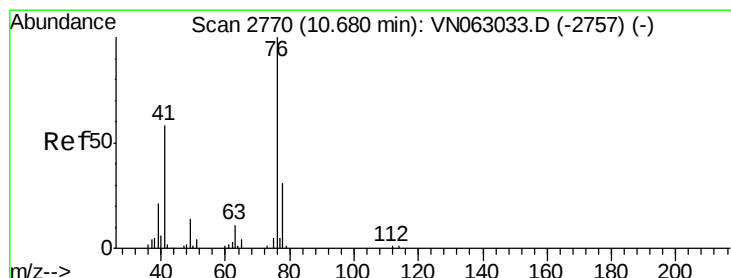
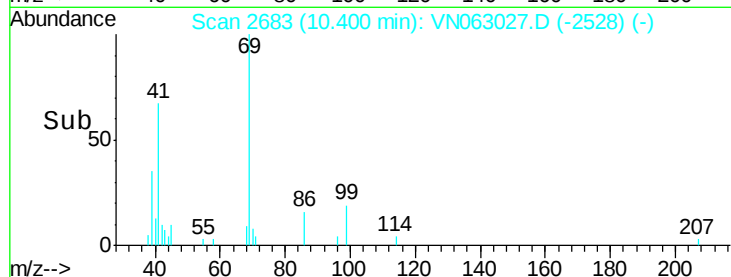
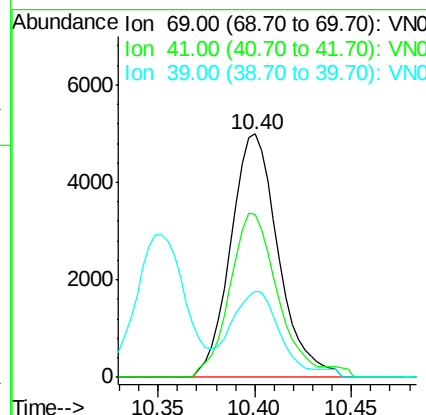
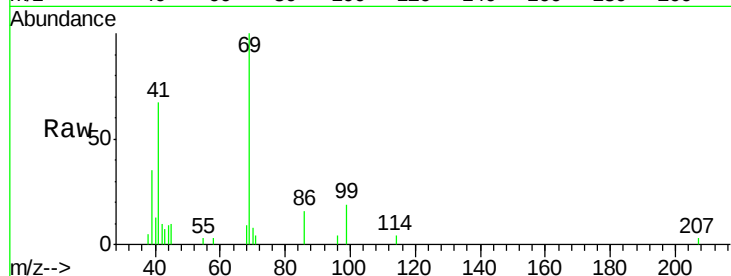
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	8553
Ion	Ratio	Lower	Upper
69	100		
41	67.1	33.3	99.9
39	35.5	16.9	50.6

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#52

1,3-Dichloropropane

Concen: 4.821 ug/l

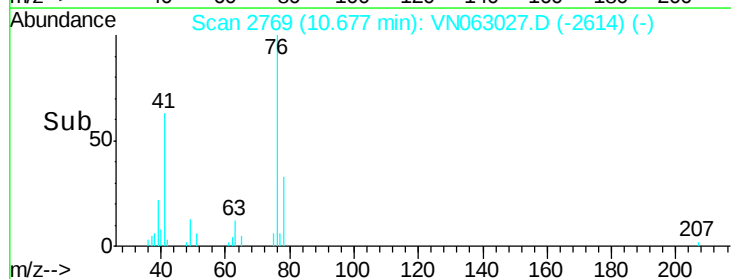
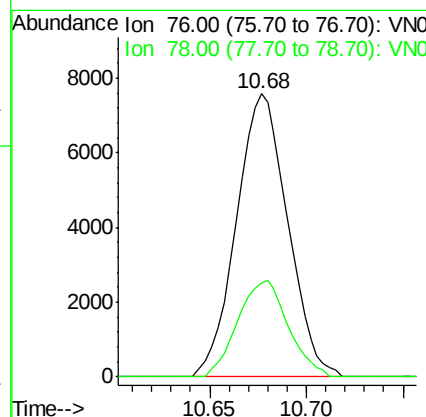
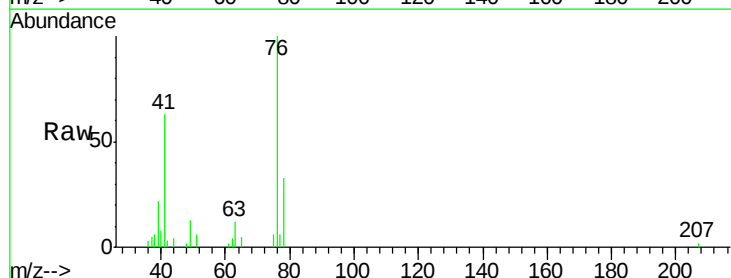
RT: 10.68 min Scan# 2769

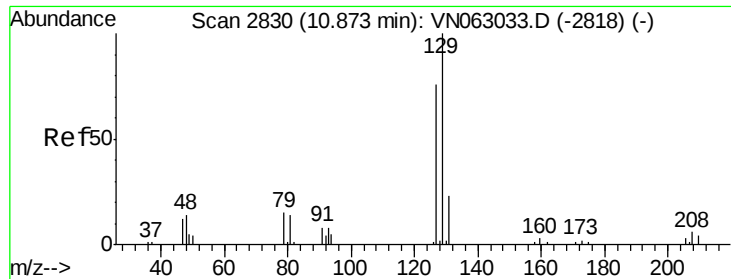
Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Tgt Ion:	76	Resp:	13957
Ion	Ratio	Lower	Upper
76	100		
78	33.5	0.0	64.4





#53

Dibromochloromethane

Concen: 4.943 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 9845

Ion Ratio Lower Upper

129 100

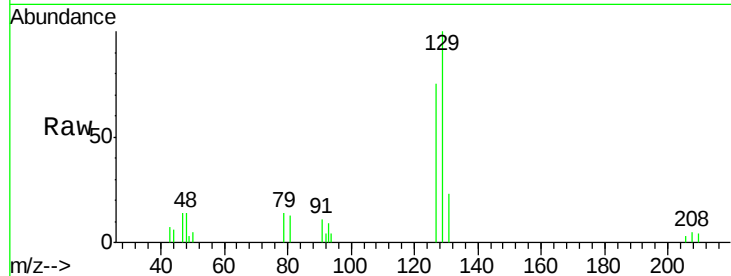
127 72.1 38.6 116.0

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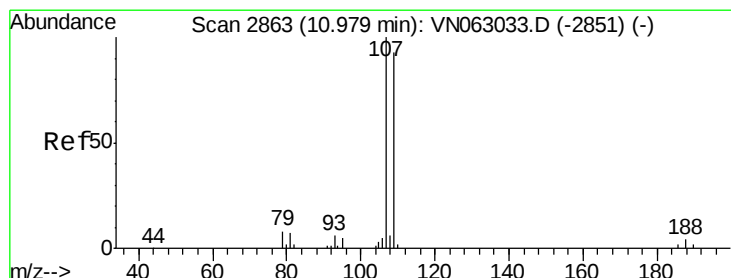
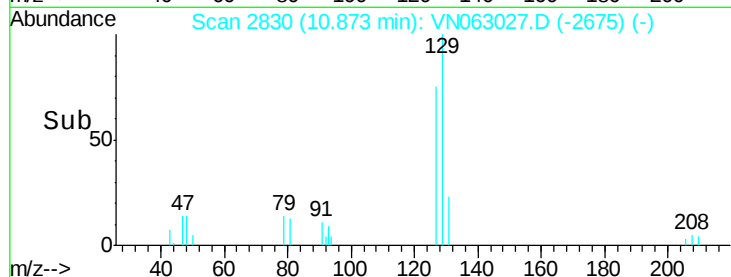
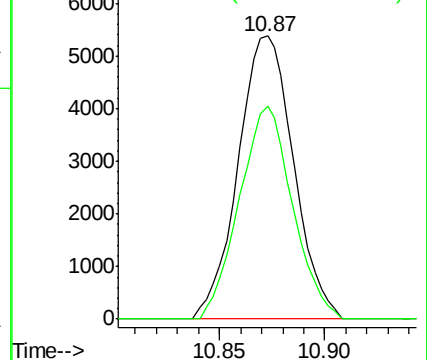
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.789 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN063027.D

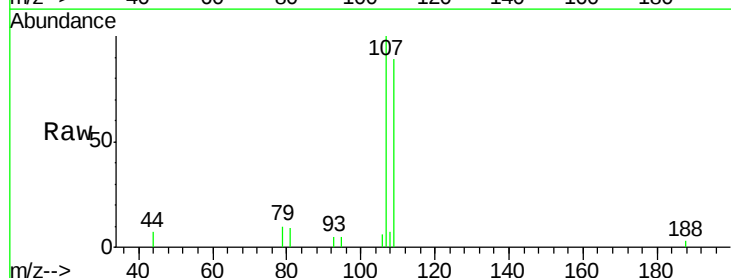
Acq: 20 Aug 2020 10:11

Tgt Ion:107 Resp: 8275

Ion Ratio Lower Upper

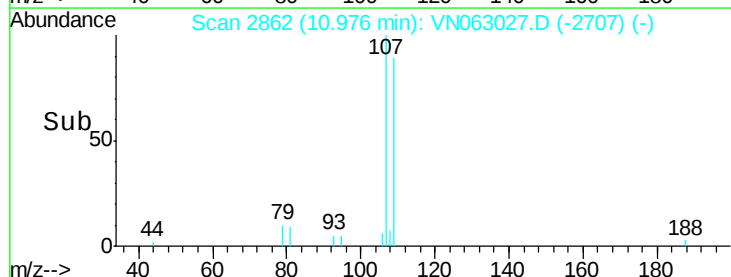
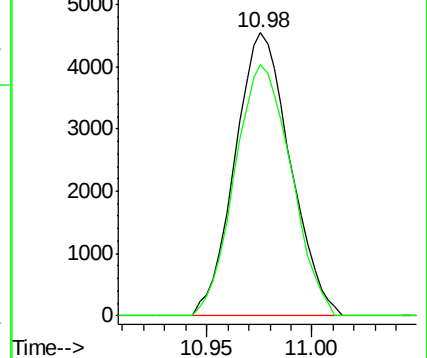
107 100

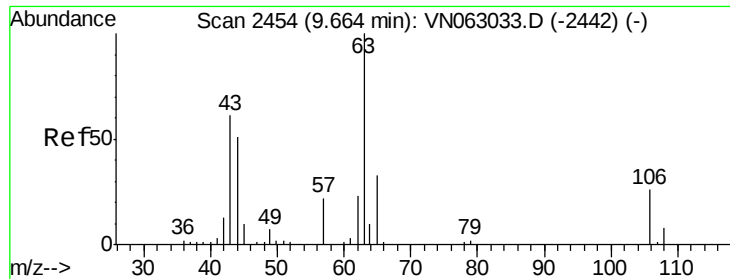
109 90.3 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





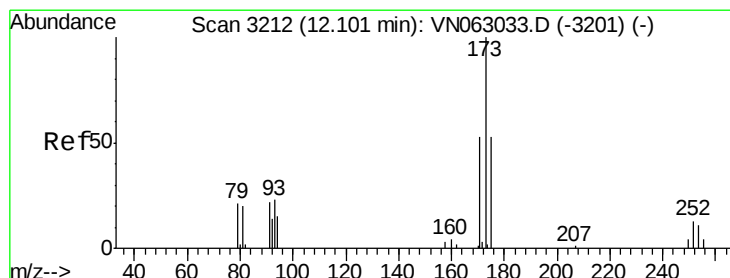
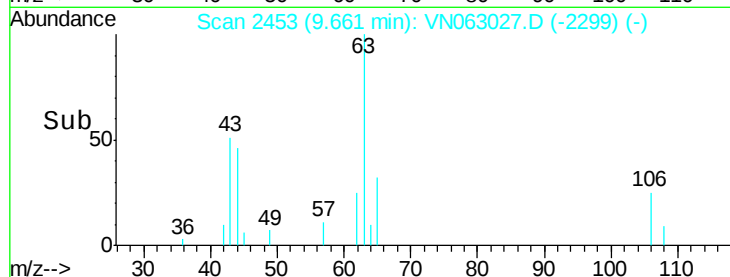
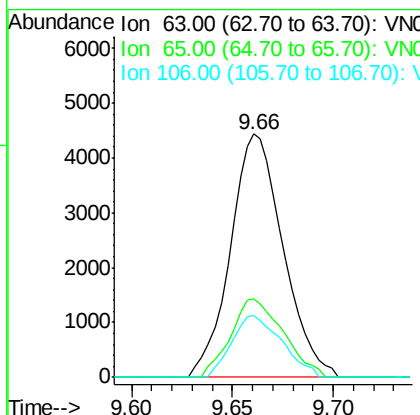
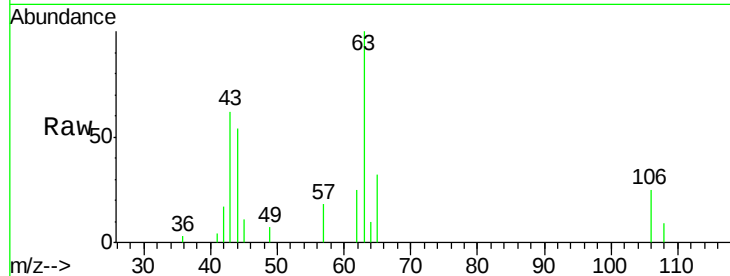
#55
 2-Chloroethyl vinyl ether
 Concen: 13.344 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	8088
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.0
106	24.2	20.4	30.6

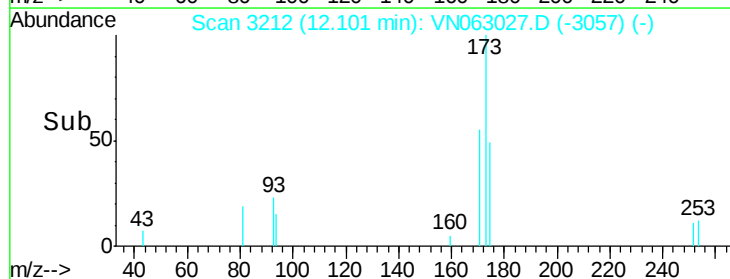
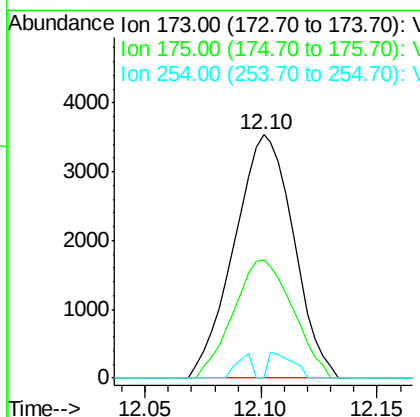
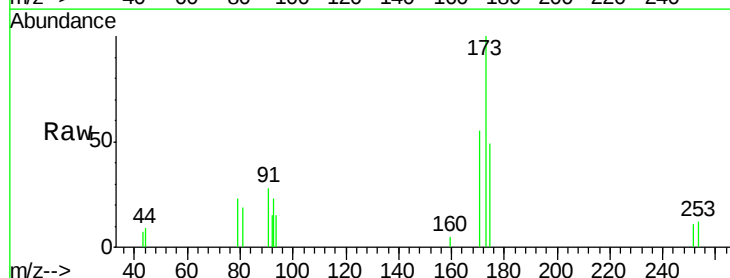
Manual Integrations
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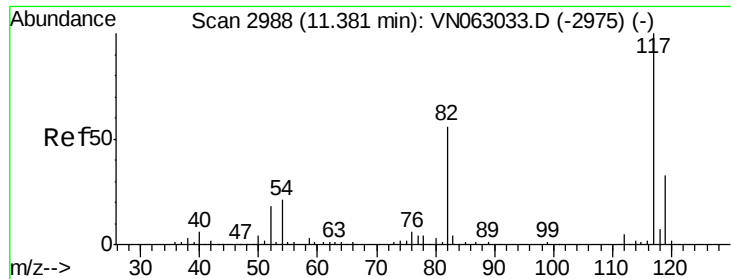
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#56
 Bromoform
 Concen: 4.439 ug/l
 RT: 12.10 min Scan# 3212
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion:	173	Resp:	6285
Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.4	59.2
254	4.3	9.3	13.9#





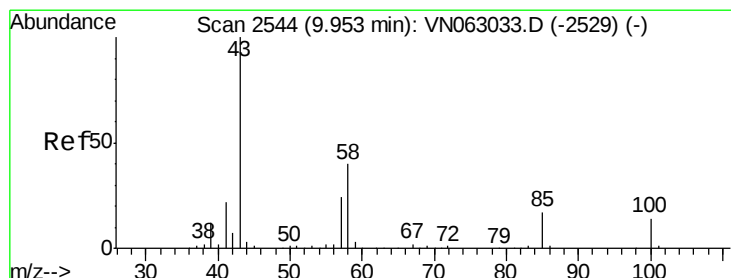
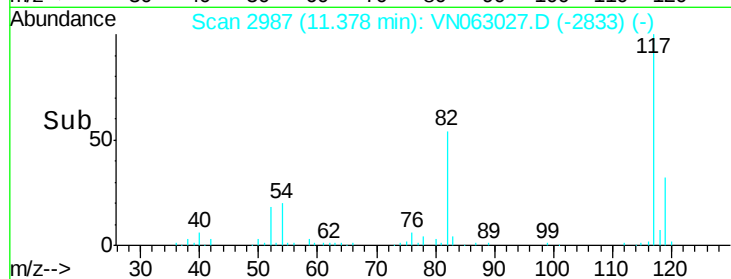
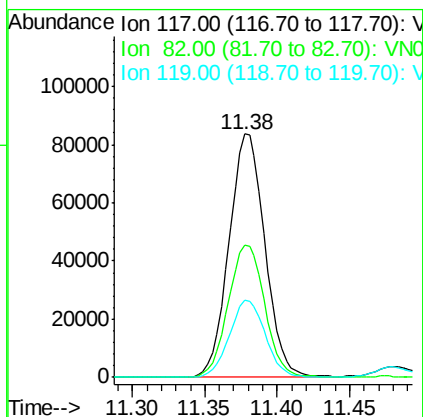
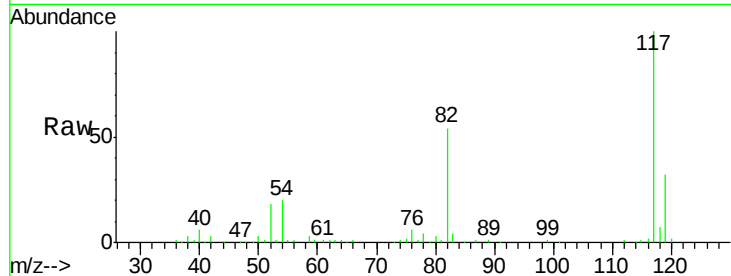
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.8	67.2
119	31.6	25.7	38.5

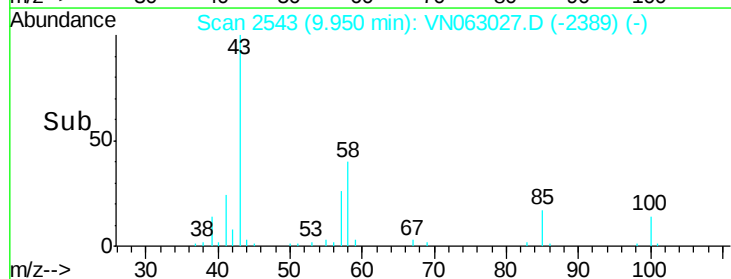
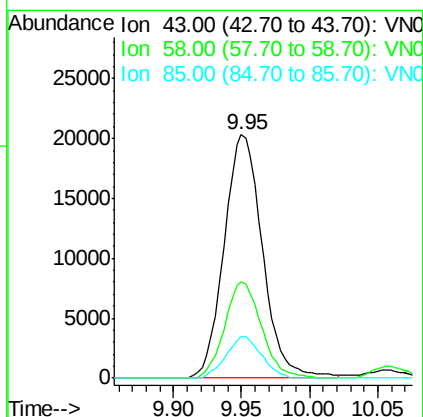
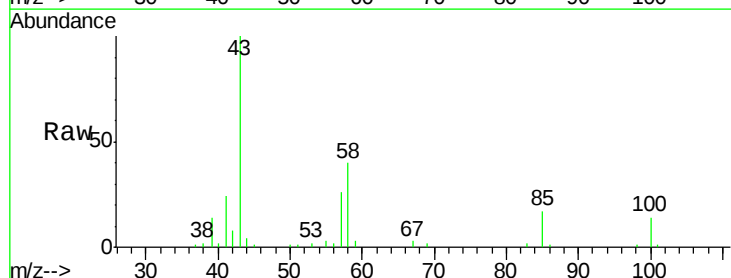
Manual Integrations
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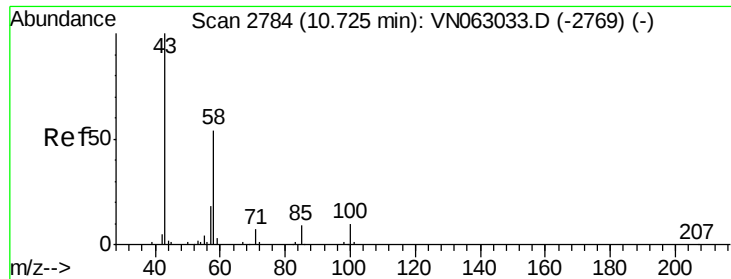
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 16.862 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.8	46.2
85	15.6	13.4	20.2





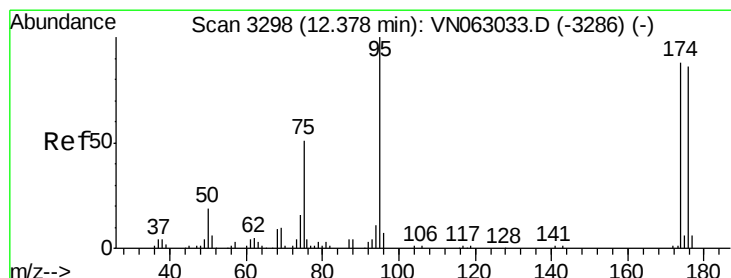
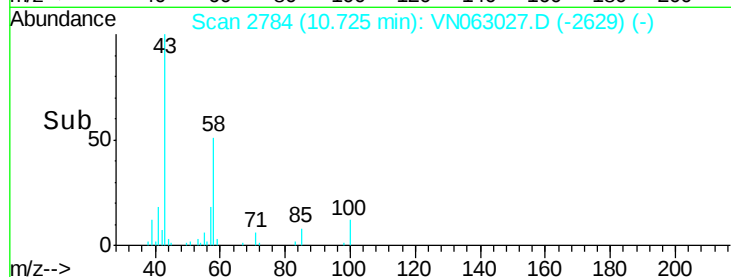
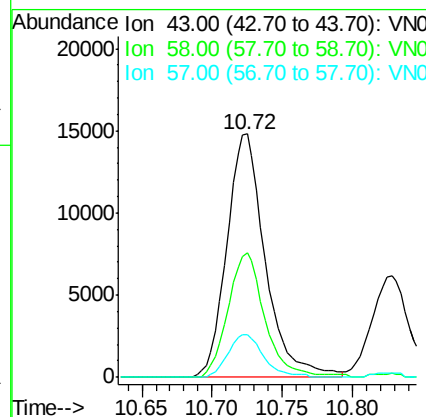
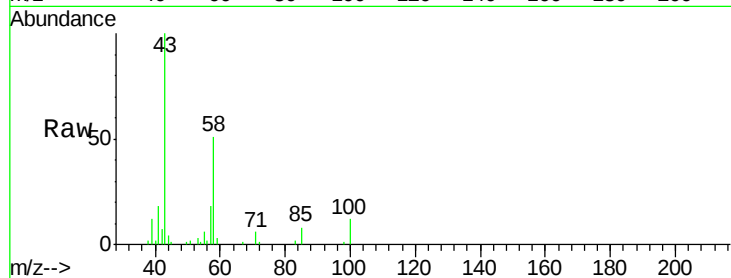
#59
2-Hexanone
Concen: 16.489 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.3	42.3	63.5
57	16.5	14.2	21.2

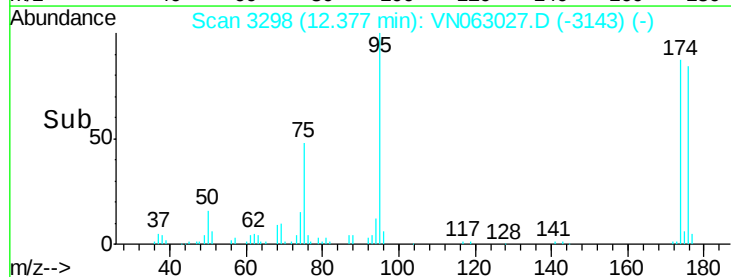
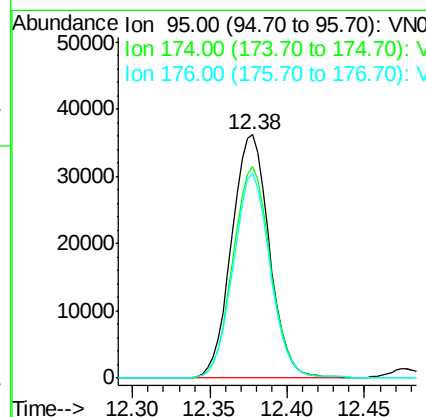
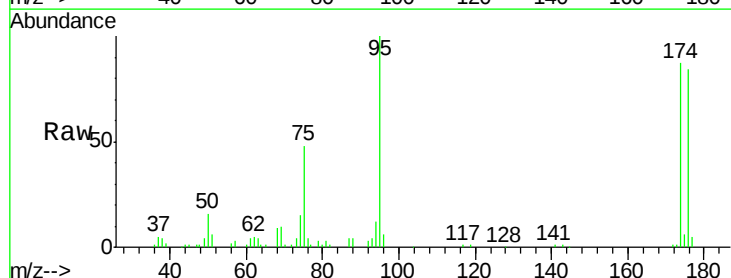
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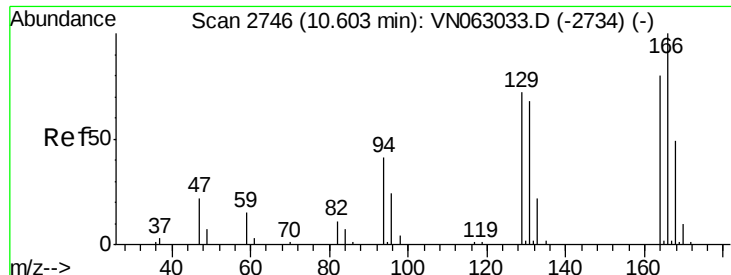
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#60
4-Bromofluorobenzene
Concen: 24.408 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.6	68.7	103.1
176	82.4	66.6	99.8





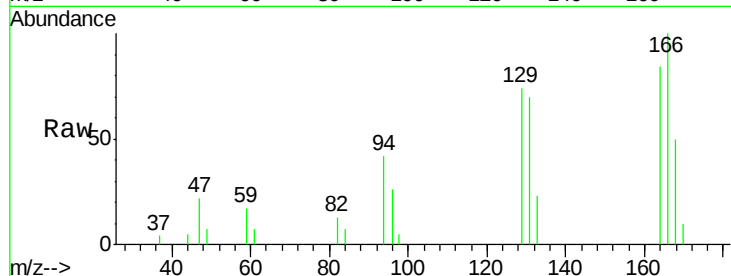
#61
Tetrachloroethene
Concen: 5.547 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

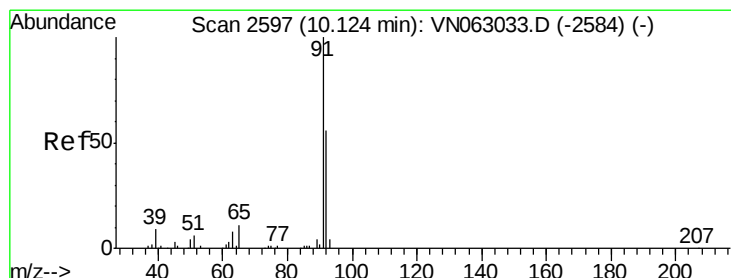
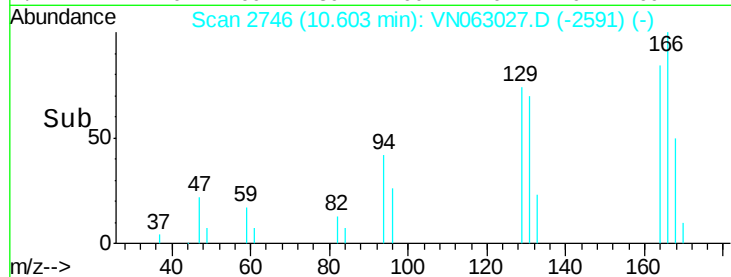
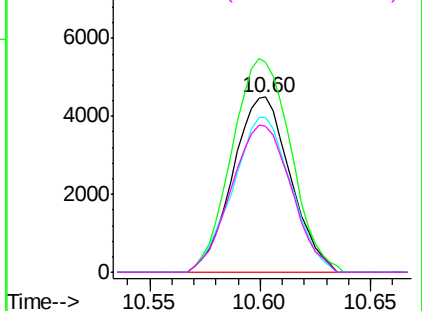
Tot Ion	Ratio	Lower	Upper
164	100		
166	119.8	97.8	146.8
129	88.8	70.6	106.0
131	83.3	67.8	101.8

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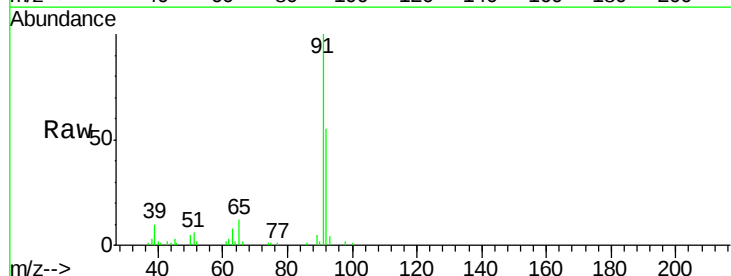


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

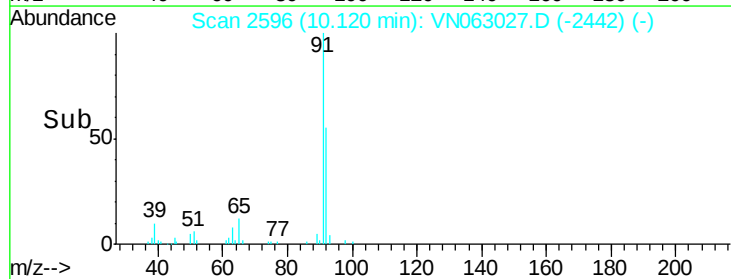
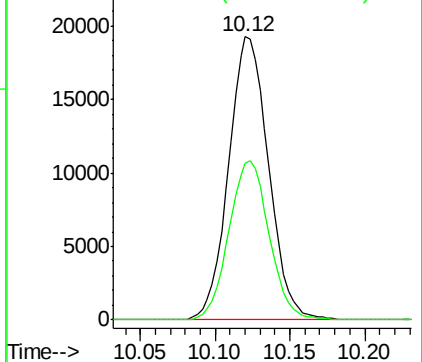


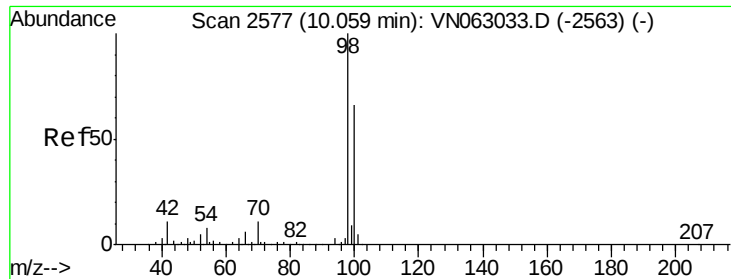
#62
Toluene
Concen: 4.856 ug/l
RT: 10.12 min Scan# 2596
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.6	46.3	69.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





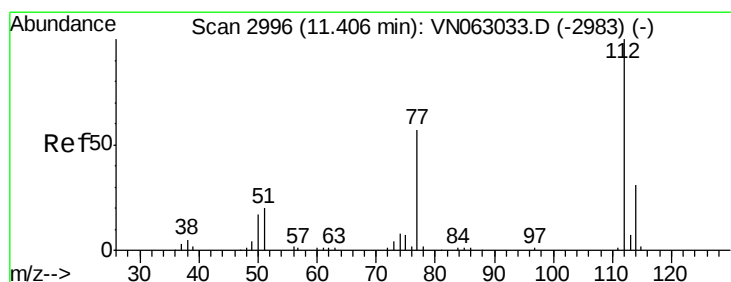
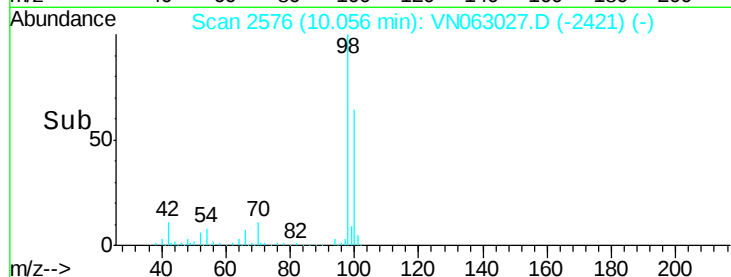
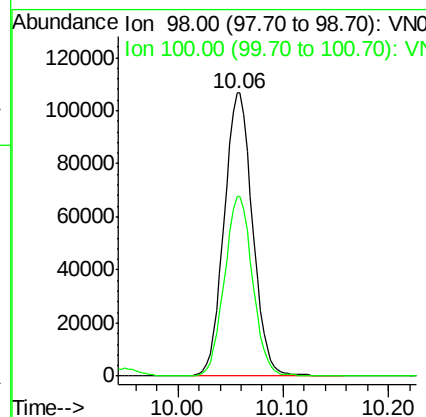
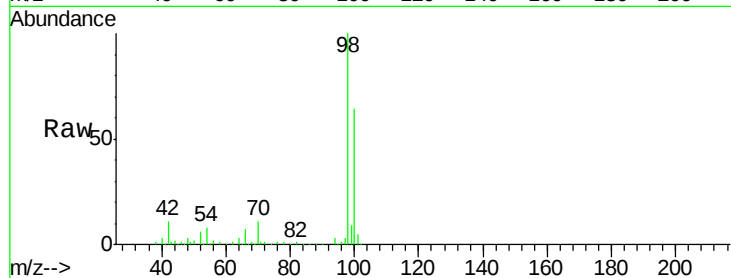
#63
Toluene-d8
Concen: 29.522 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
98	100		199505		
100	62.7		50.9		76.3

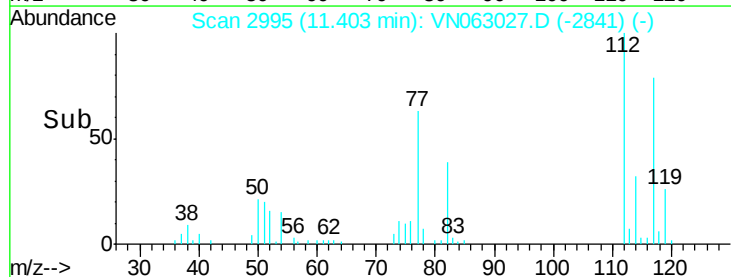
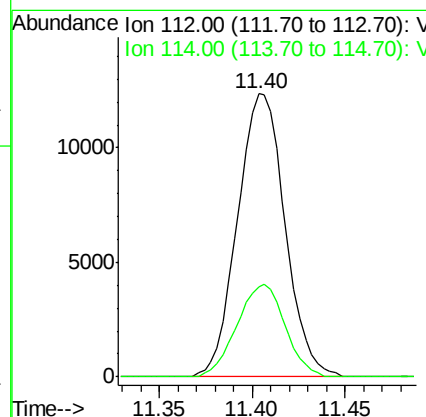
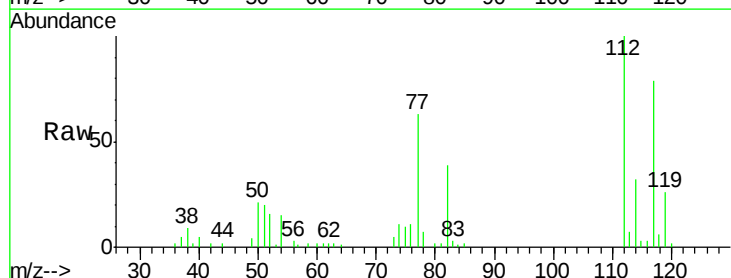
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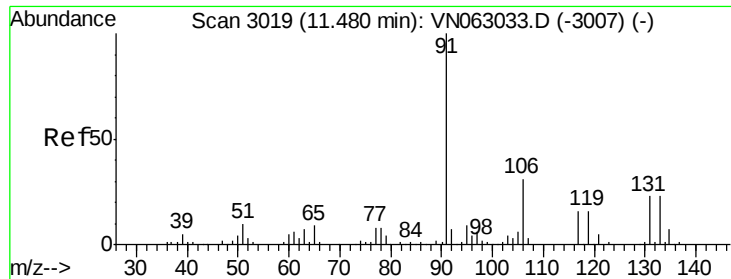
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#64
Chlorobenzene
Concen: 4.767 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
112	100		22018		
114	31.9		25.8		38.8





#65

1,1,1,2-Tetrachloroethane

Concen: 4.960 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

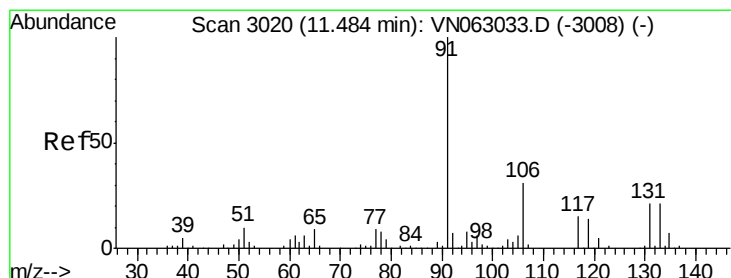
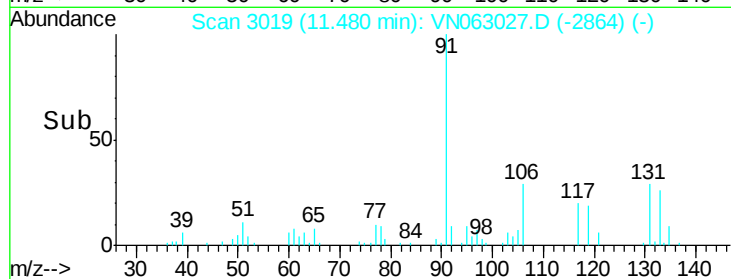
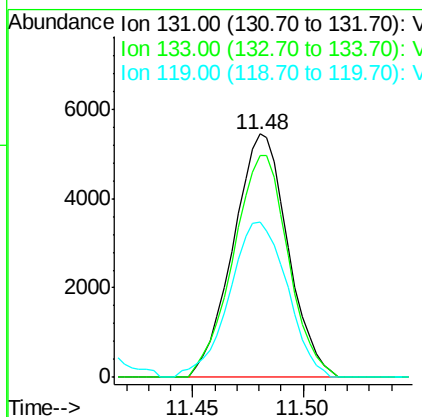
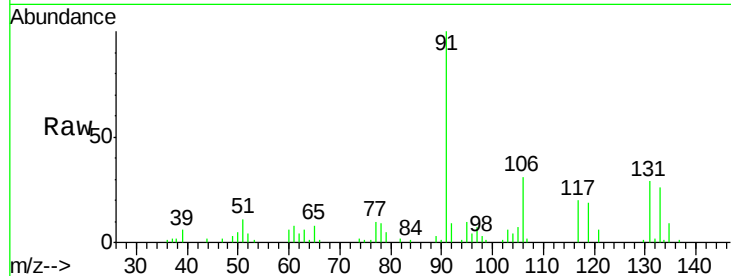
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	91.8	0.0	195.4
119	67.3	0.0	133.6

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#66

Ethyl Benzene

Concen: 4.039 ug/l

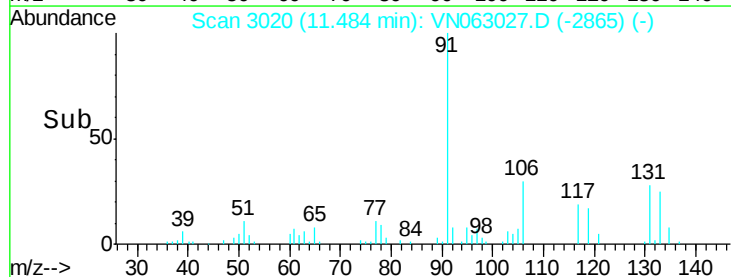
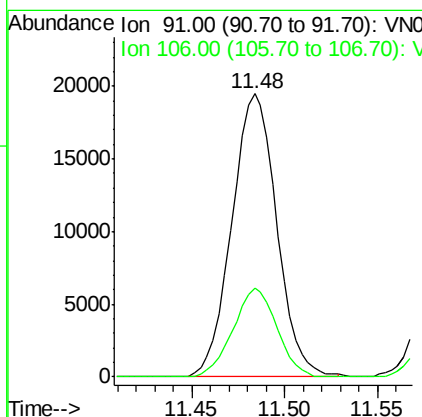
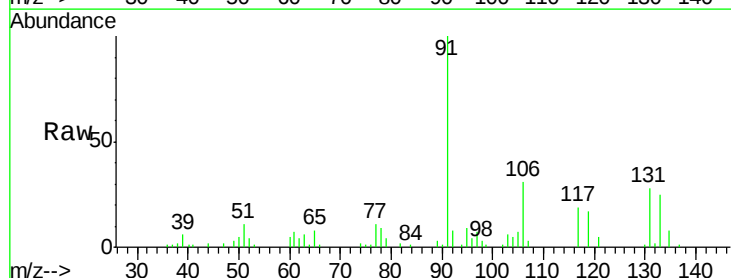
RT: 11.48 min Scan# 3020

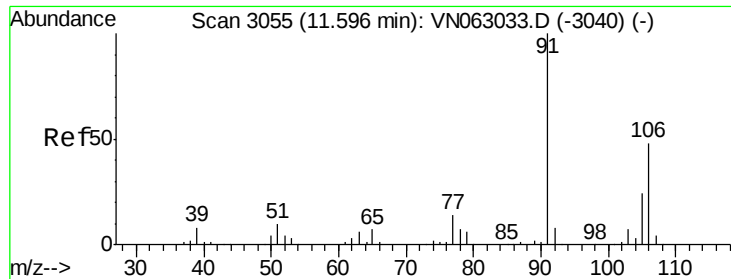
Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.7	37.1





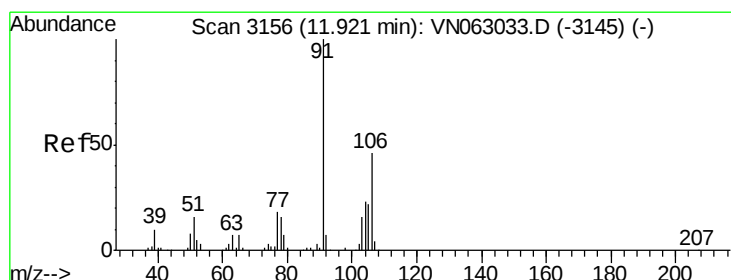
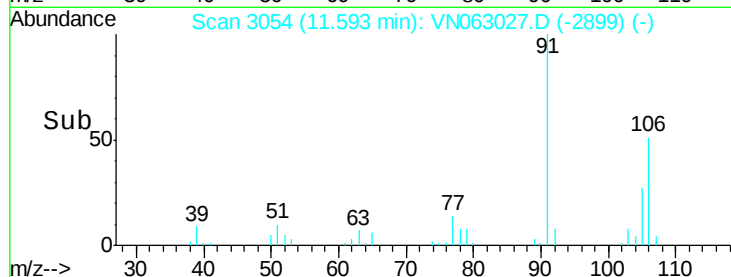
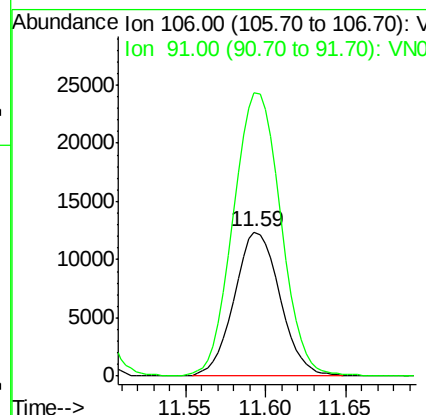
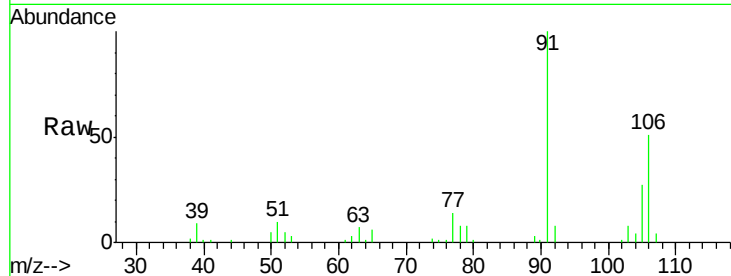
#67
m/p-Xylenes
Concen: 8.054 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 24200
Ion Ratio Lower Upper
106 100
91 204.3 162.6 244.0

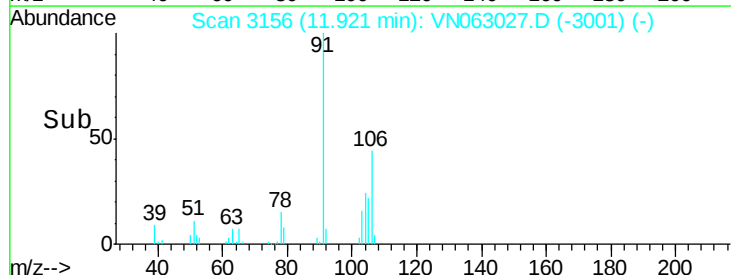
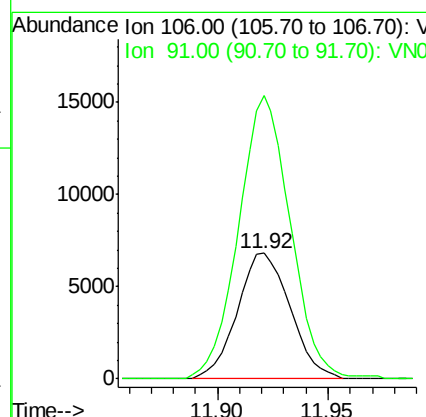
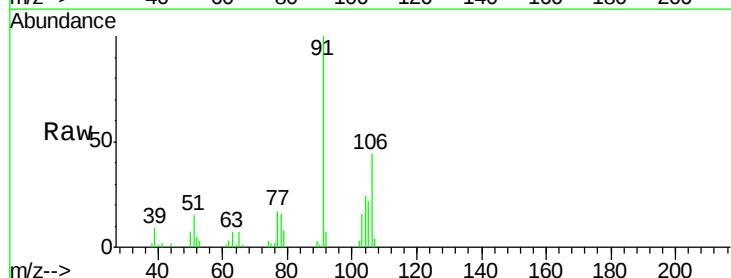
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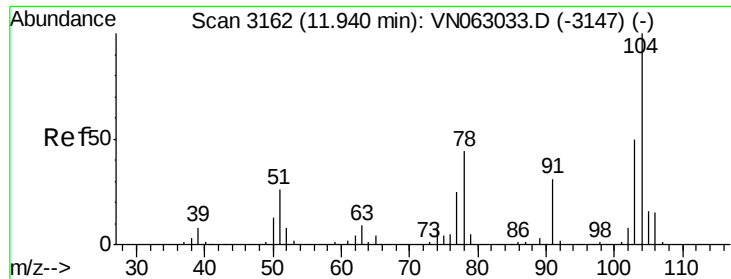
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#68
o-Xylene
Concen: 3.946 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion:106 Resp: 11386
Ion Ratio Lower Upper
106 100
91 220.1 109.4 328.2





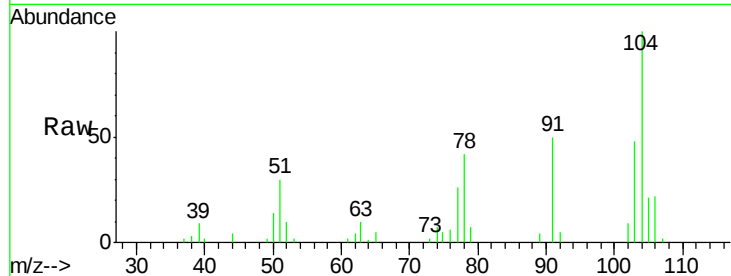
#69
Stvrene
Concen: 3.695 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

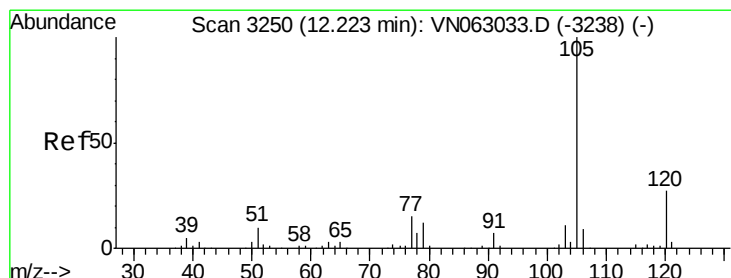
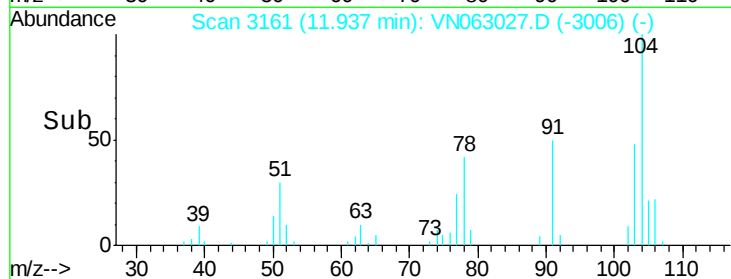
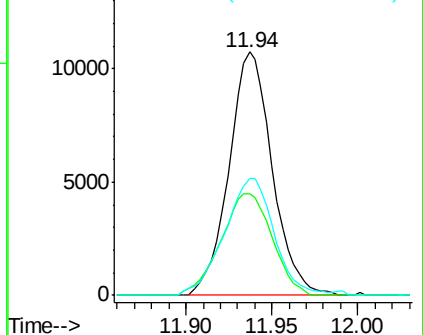
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.4	59.2
103	55.2	44.9	67.3

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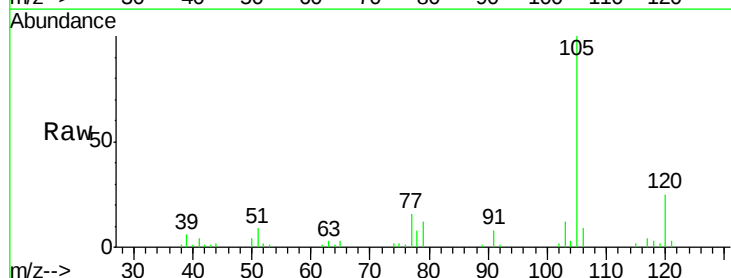


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

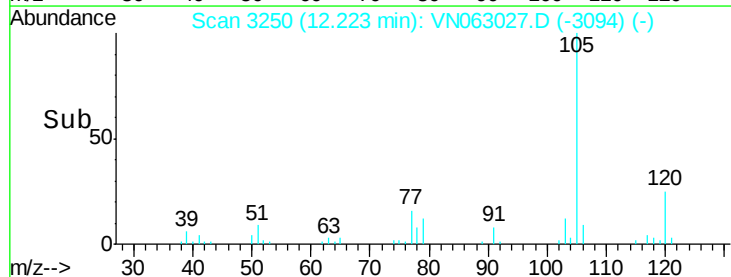
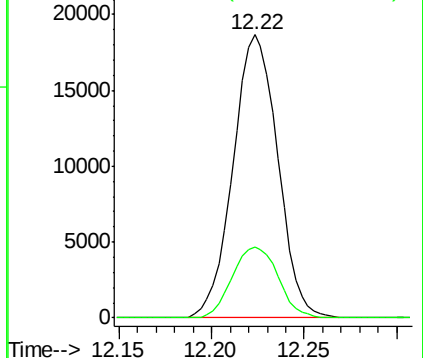


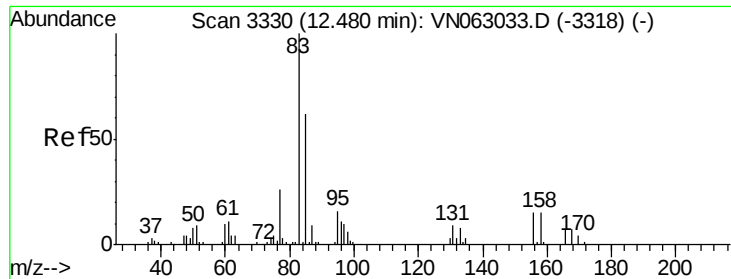
#70
Isopropylbenzene
Concen: 3.843 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	18.7	34.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





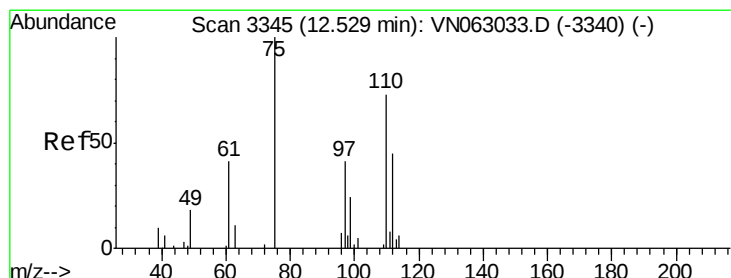
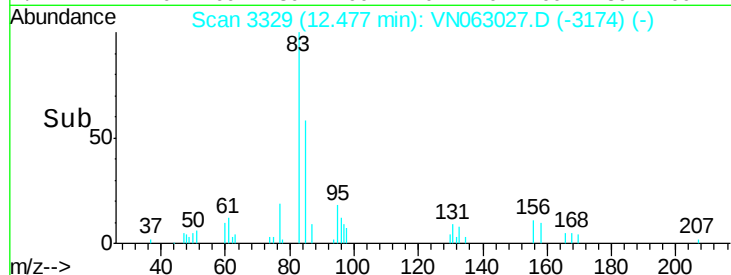
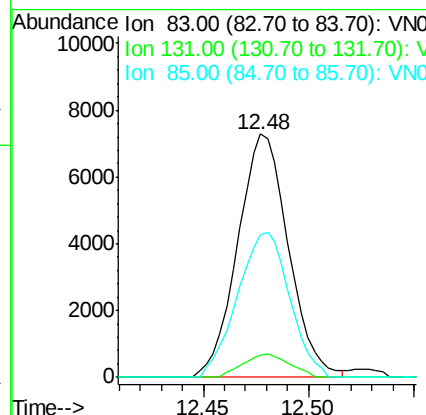
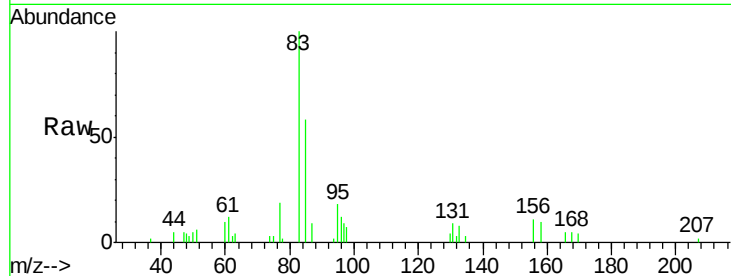
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.517 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	12179
Ion Ratio	100	Lower	Upper
83	100		
131	8.8	4.7	14.1
85	61.0	31.9	95.7

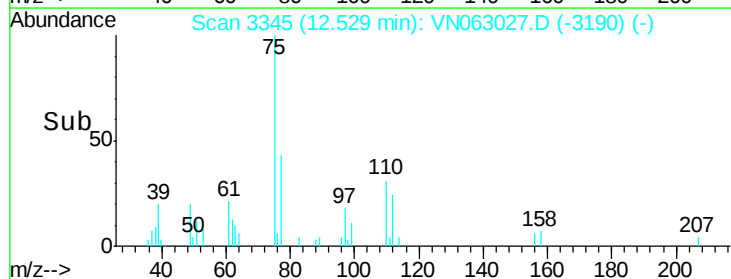
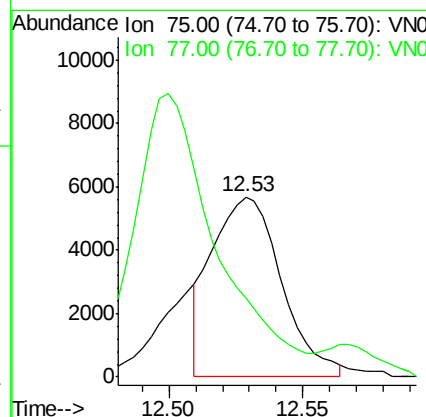
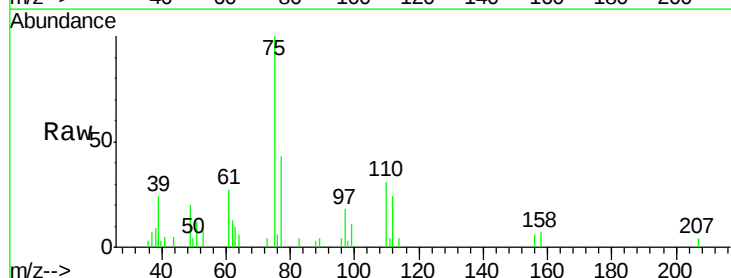
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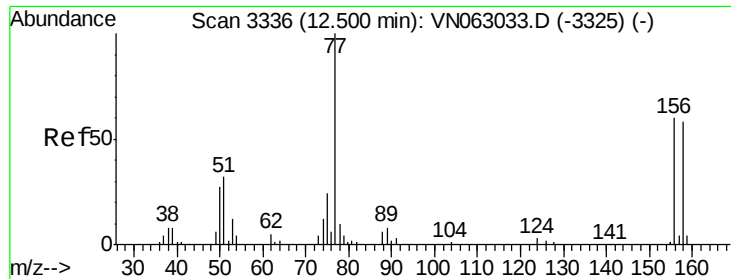
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#72
 1,2,3-Trichloropropane
 Concen: 3.997 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion	75	Resp	10258
Ion Ratio	100	Lower	Upper
75	100		
77	186.8	0.0	395.0





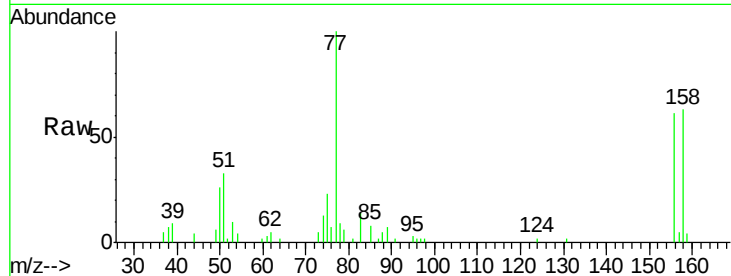
#73
Bromobenzene
Concen: 4.770 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

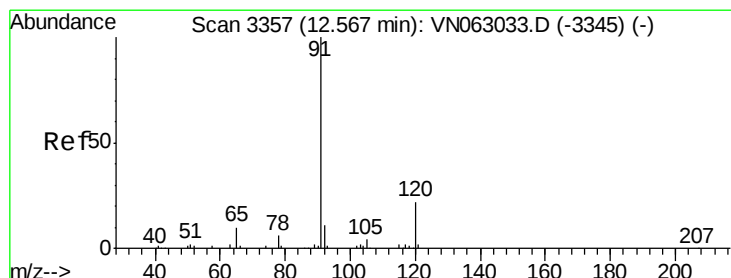
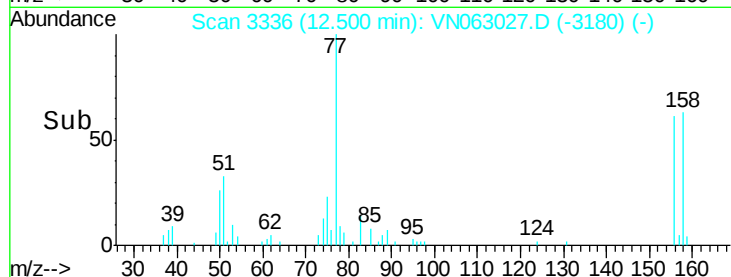
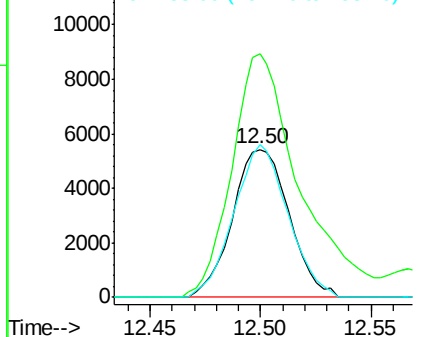
Tot Ion	Ratio	Lower	Upper
156	100		
77	197.2	0.0	404.8
158	98.3	0.0	199.6

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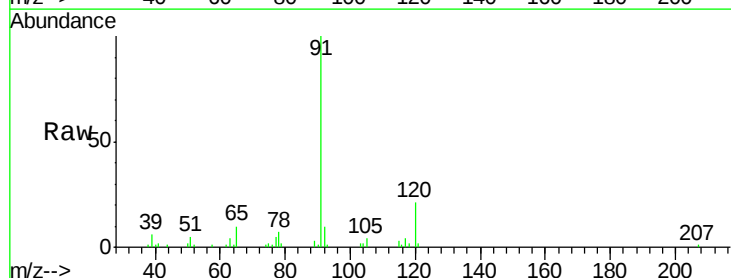


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 158.00 (157.70 to 158.70): V

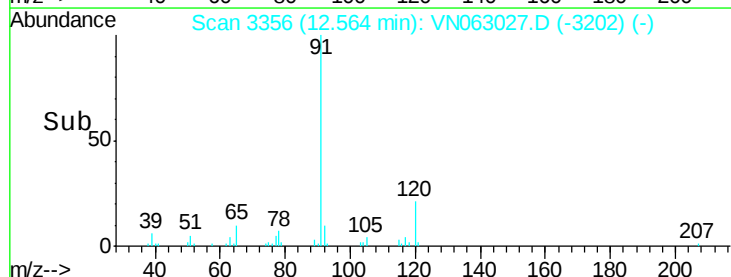
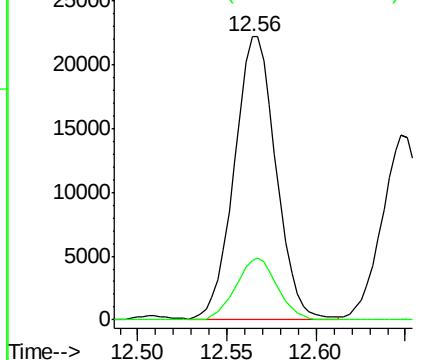


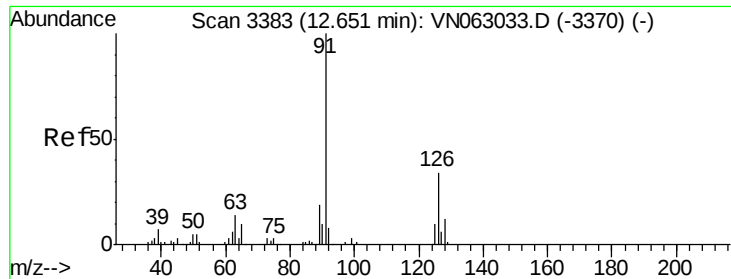
#74
n-propylbenzene
Concen: 3.831 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	45.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.077 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 24074

Ion Ratio Lower Upper

91 100

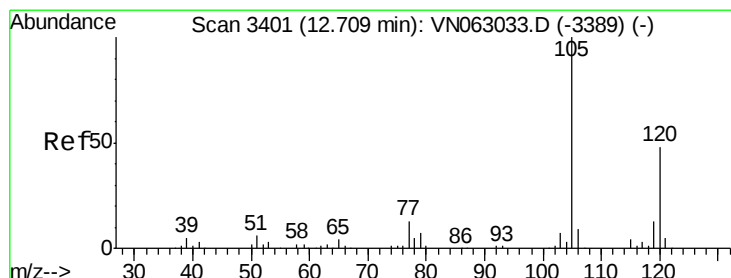
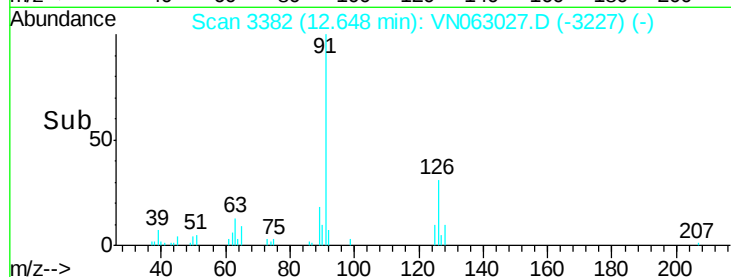
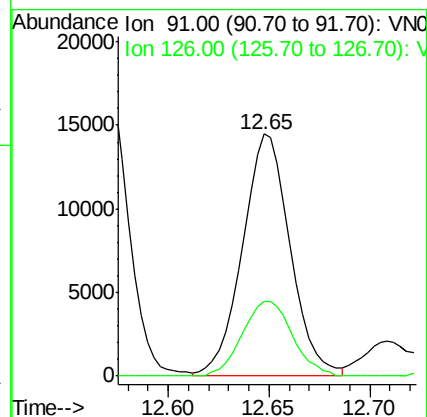
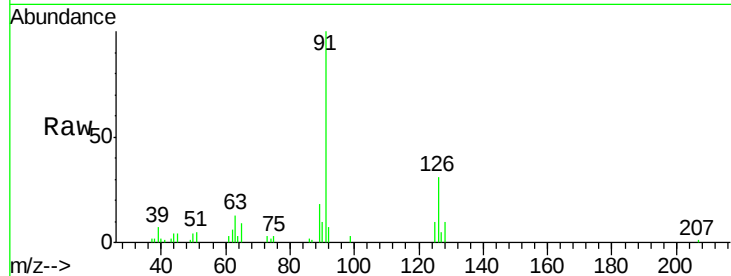
126 32.4 0.0 67.6

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#76

1,3,5-Trimethylbenzene

Concen: 3.493 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063027.D

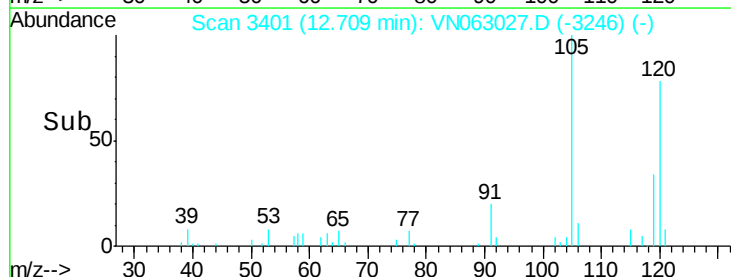
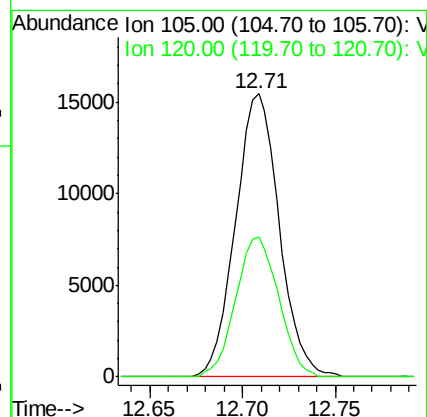
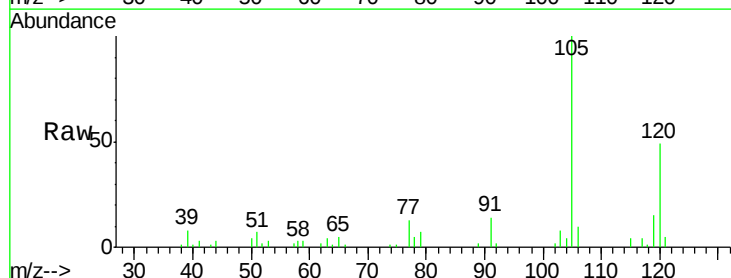
Acq: 20 Aug 2020 10:11

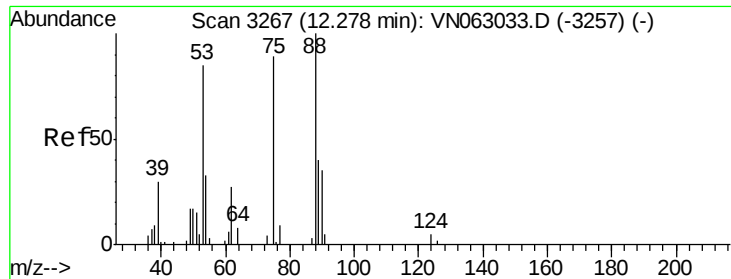
Tgt Ion: 105 Resp: 25275

Ion Ratio Lower Upper

105 100

120 48.4 0.0 96.2





#77

t-1,4-Dichloro-2-butene

Concen: 3.276 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

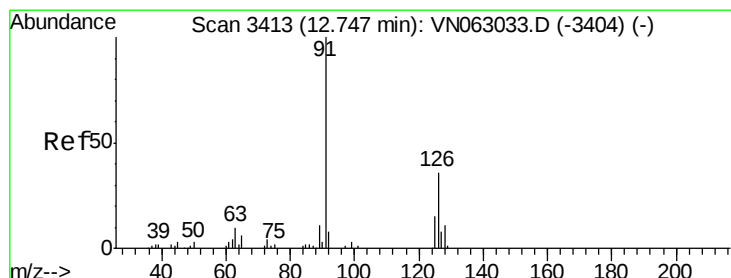
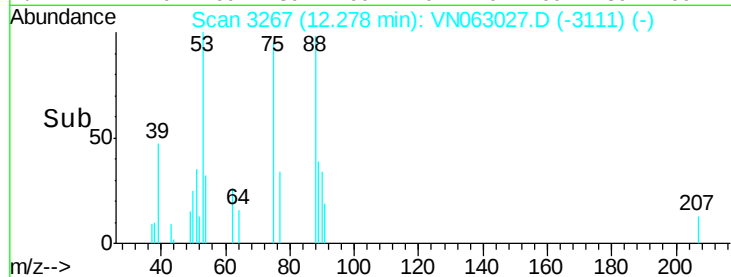
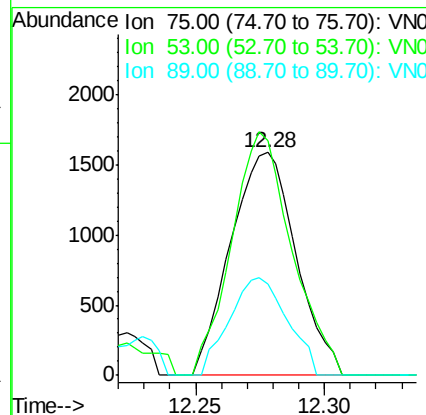
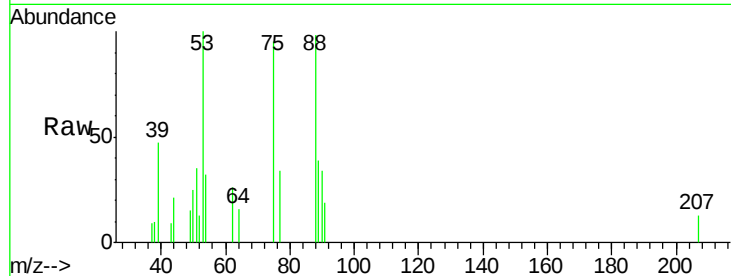
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	2806
Ion	Ratio	Lower	Upper
75	100		
53	105.2	47.8	143.3
89	40.9	24.5	73.5

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#78

4-Chlorotoluene

Concen: 3.754 ug/l

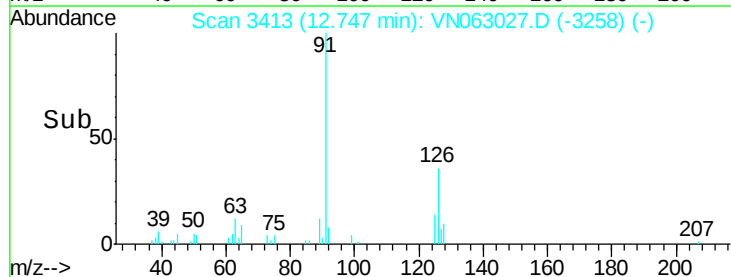
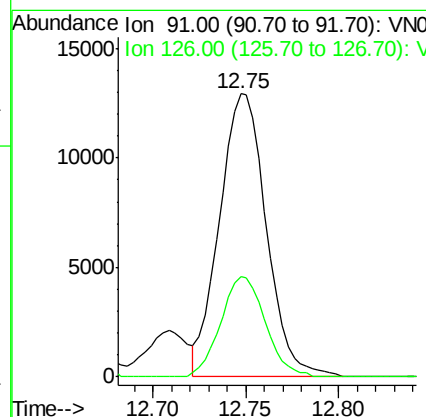
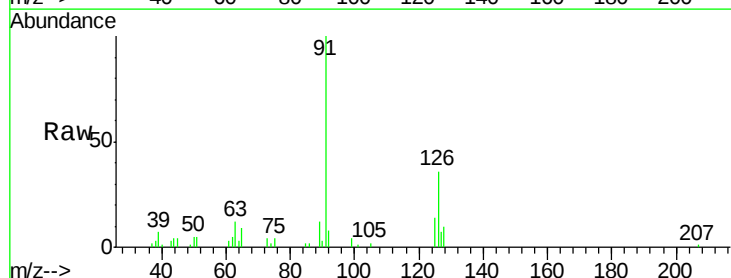
RT: 12.75 min Scan# 3413

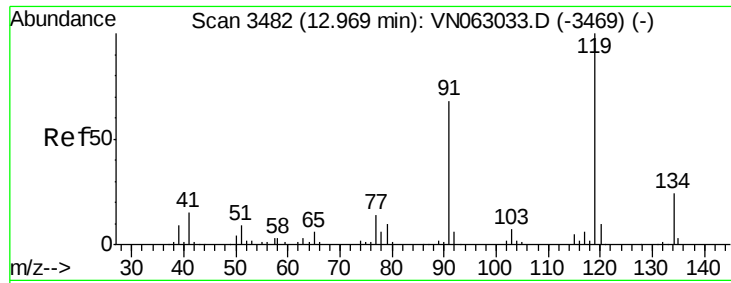
Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Tgt Ion:	91	Resp:	22661
Ion	Ratio	Lower	Upper
91	100		
126	33.7	0.0	66.6





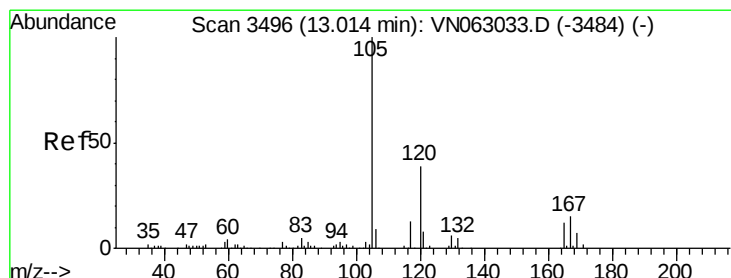
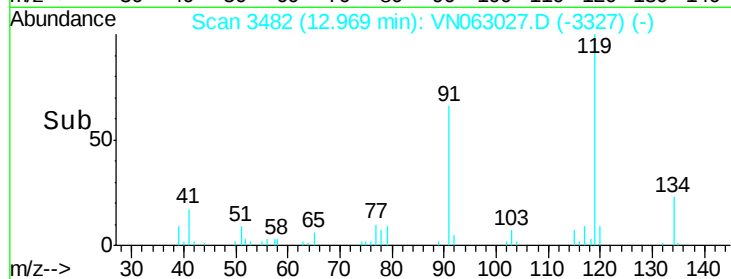
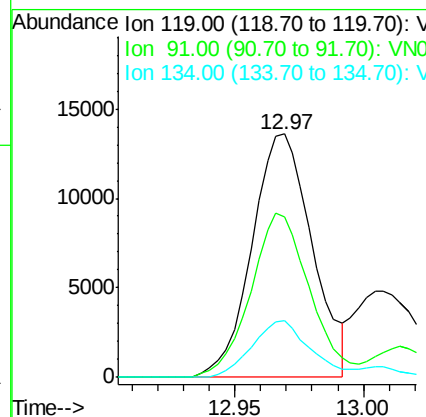
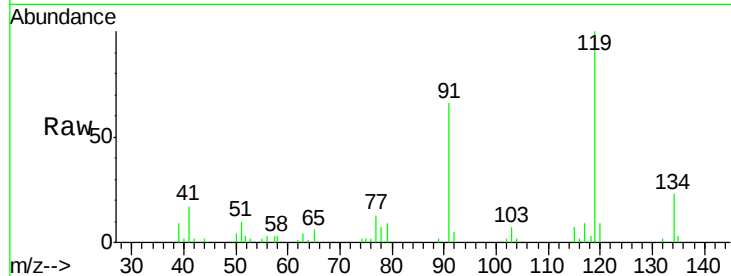
#79
tert-butylbenzene
Concen: 3.722 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	22195		
91	66.0	0.0	134.2	
134	22.3	0.0	49.6	

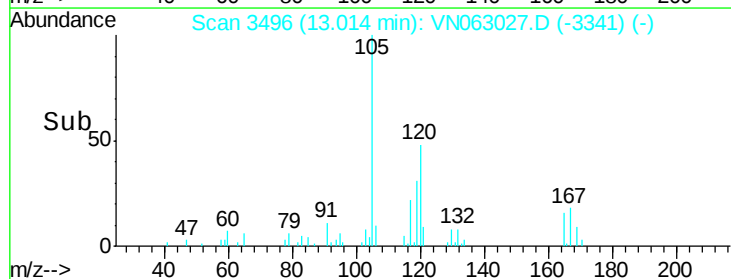
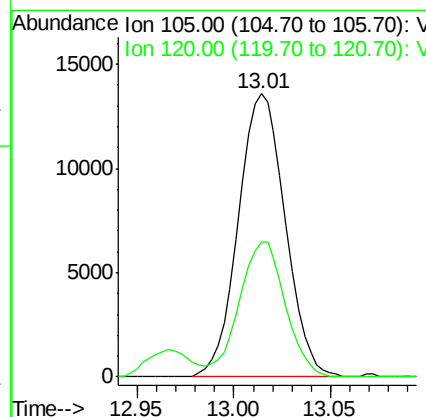
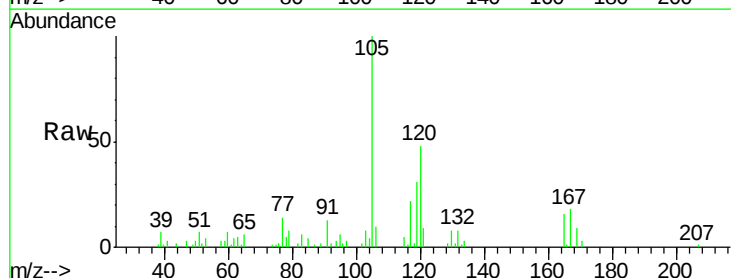
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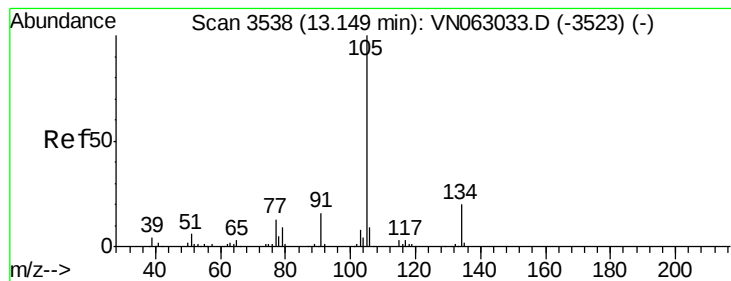
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 3.241 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	22880		
120	46.8	0.0	88.8	





#81

sec-Butylbenzene

Concen: 3.722 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 29659

Ion Ratio Lower Upper

105 100

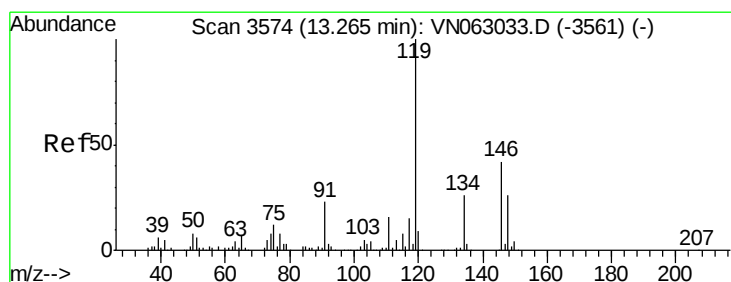
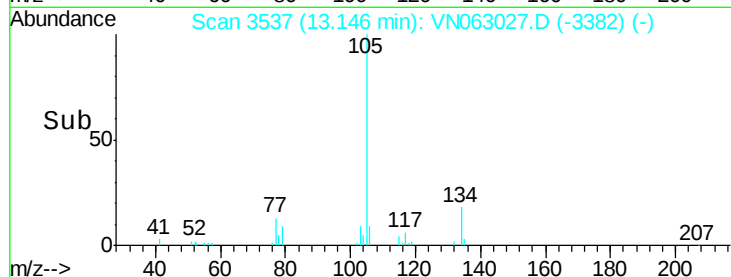
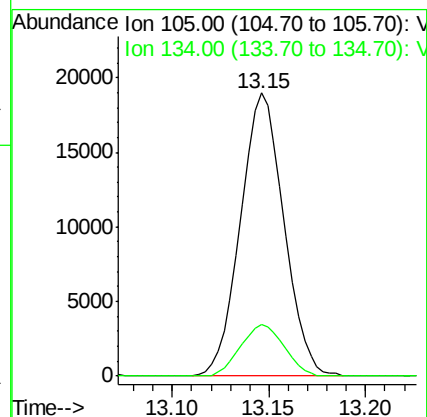
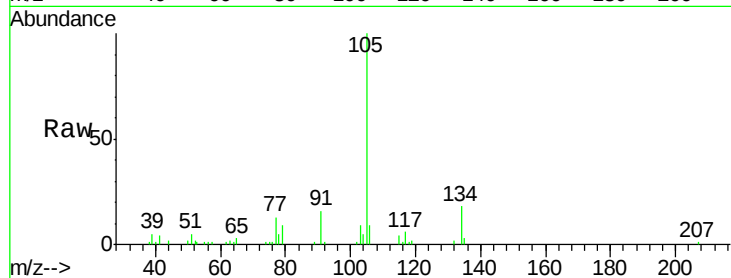
134 18.2 0.0 38.6

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#82

p-Isopropyltoluene

Concen: 3.401 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063027.D

Acq: 20 Aug 2020 10:11

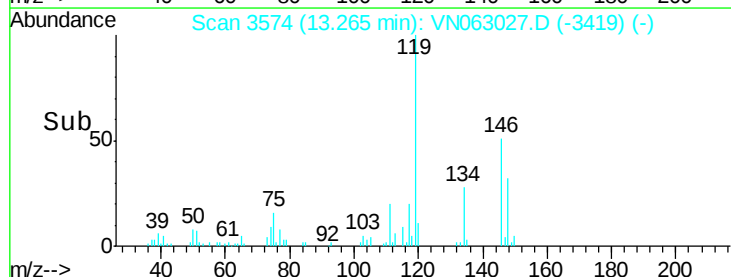
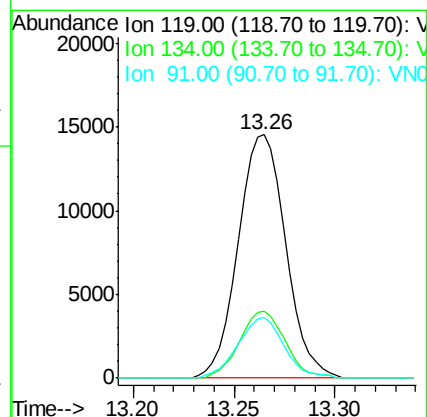
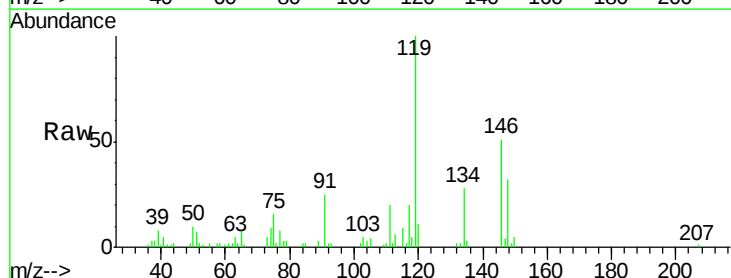
Tgt Ion:119 Resp: 24037

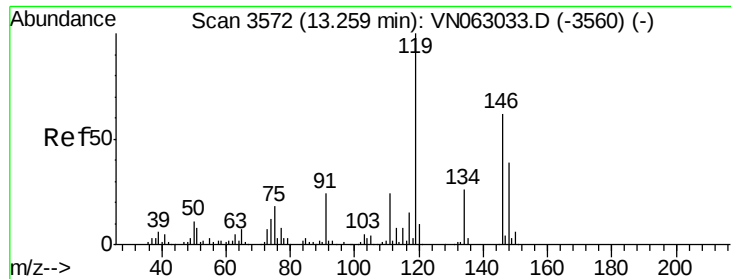
Ion Ratio Lower Upper

119 100

134 26.4 0.0 51.6

91 24.2 0.0 48.8





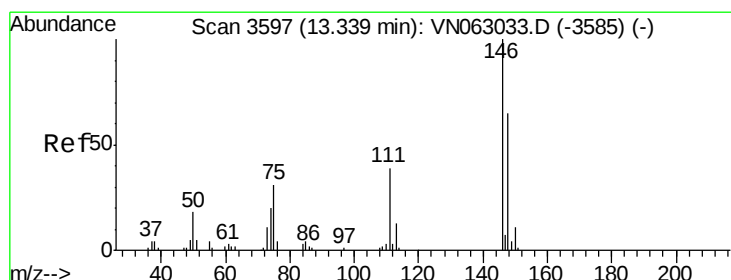
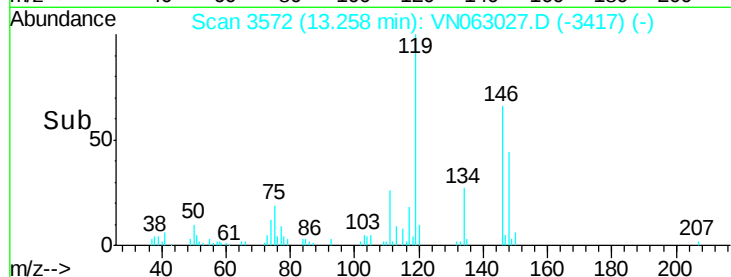
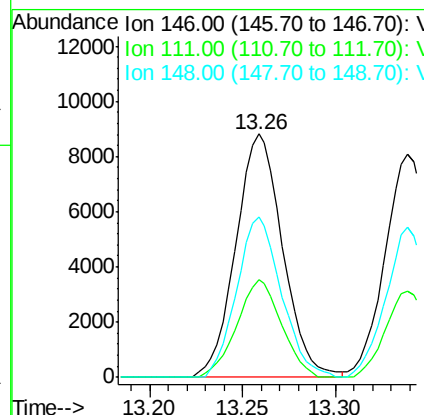
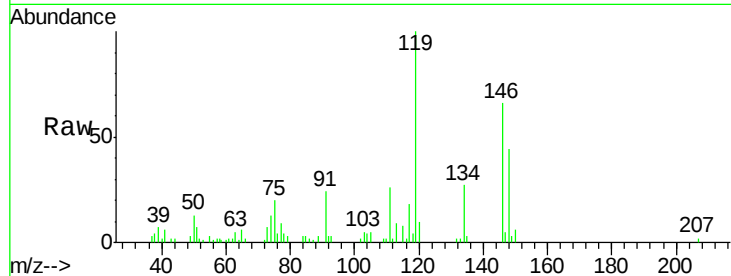
#83
 1,3-Dichlorobenzene
 Concen: 4.335 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	62.9	32.3	96.8

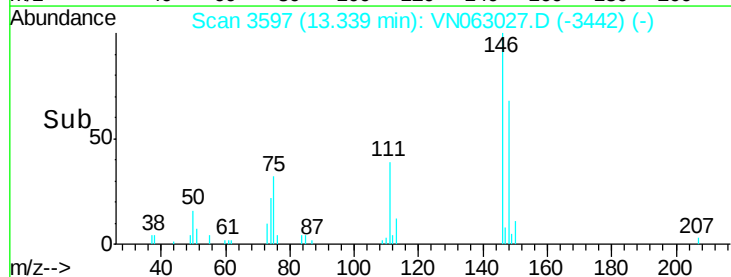
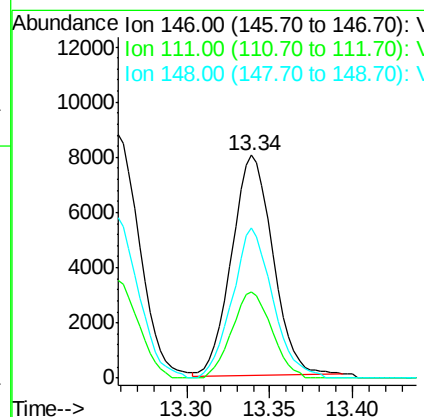
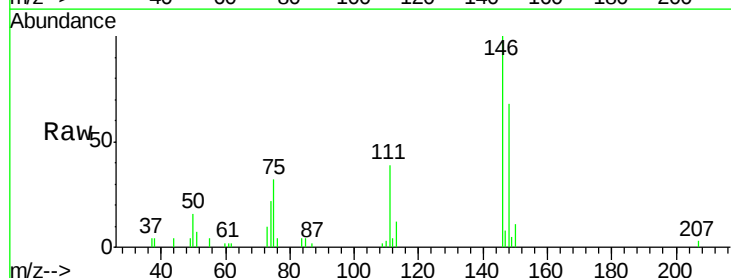
Manual Integrations
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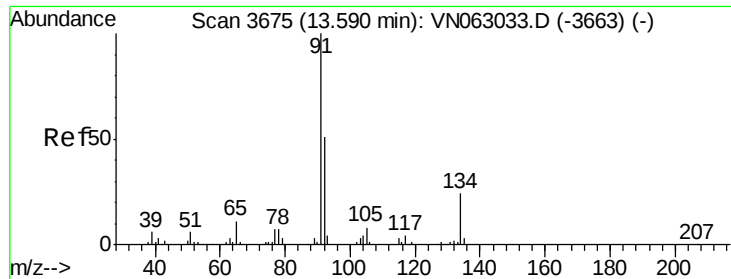
MMDadoda
 8/21/2020 9:22:54 AM



#84
 1,4-Dichlorobenzene
 Concen: 3.926 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.8
148	67.4	31.7	95.1





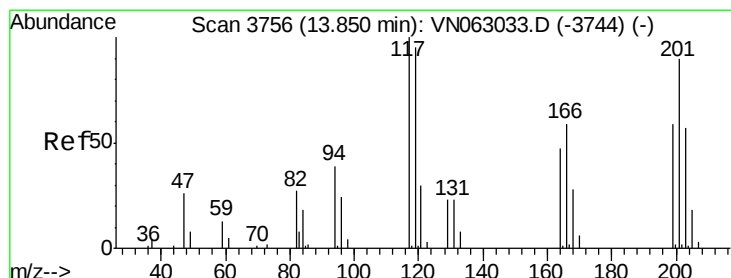
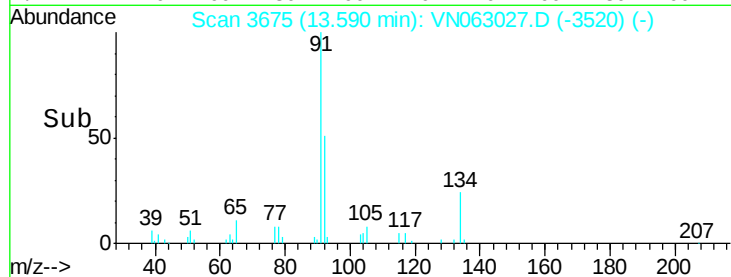
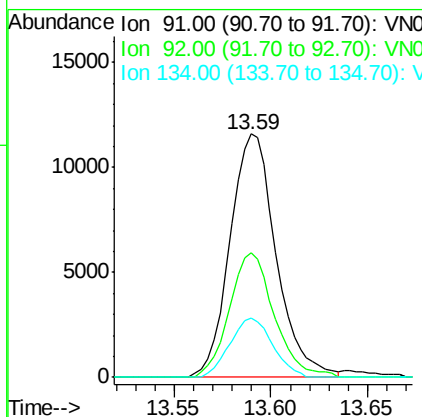
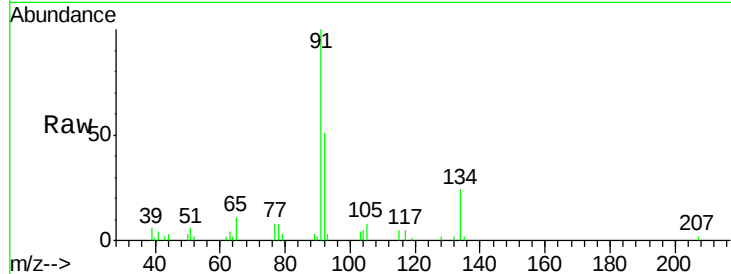
#85
n-Butylbenzene
Concen: 3.167 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.6	0.0	100.2
134	22.5	0.0	47.2

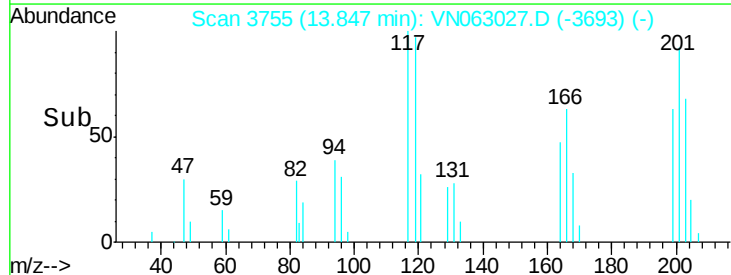
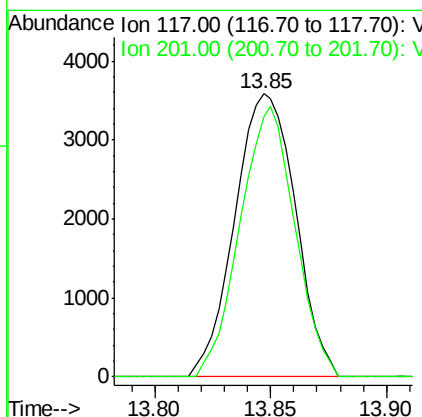
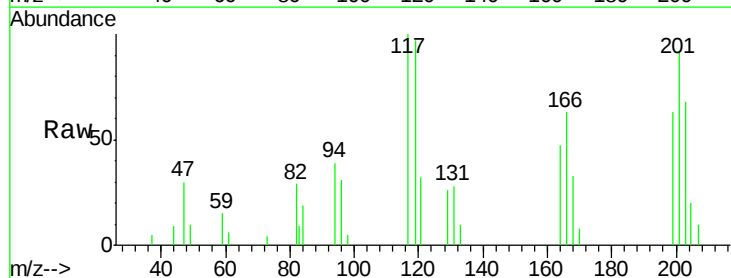
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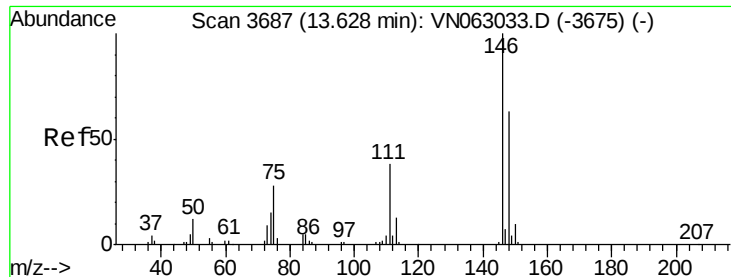
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#86
Hexachloroethane
Concen: 4.224 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	45.9	137.7





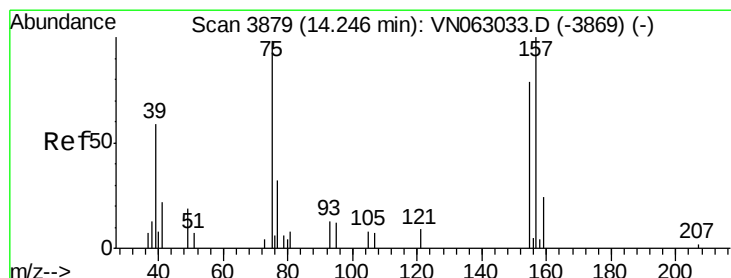
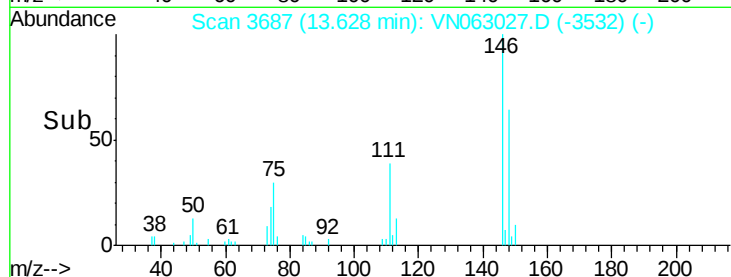
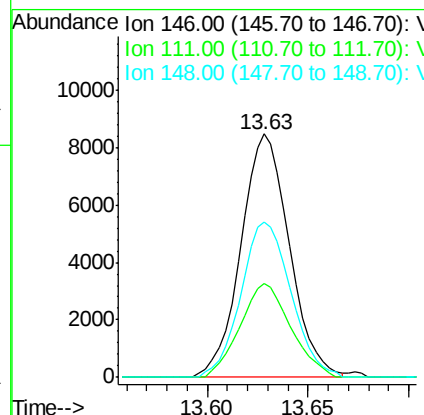
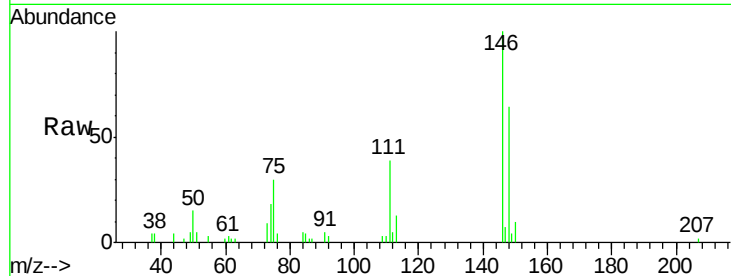
#87
 1,2-Dichlorobenzene
 Concen: 3.865 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	65.8	31.7	95.1

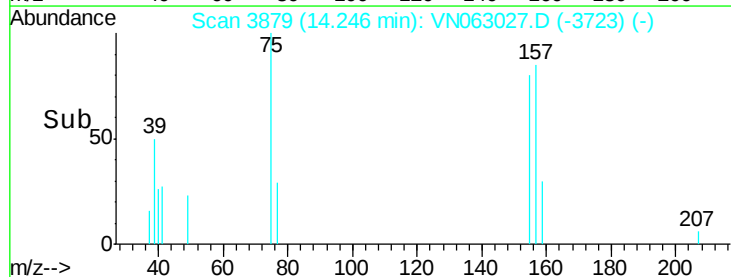
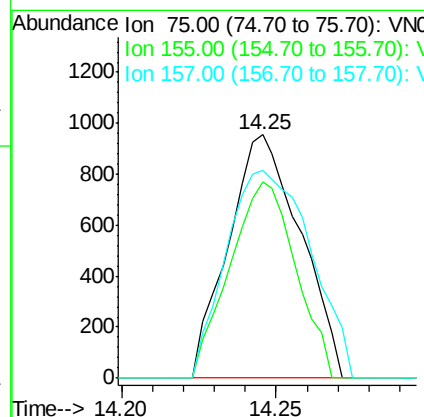
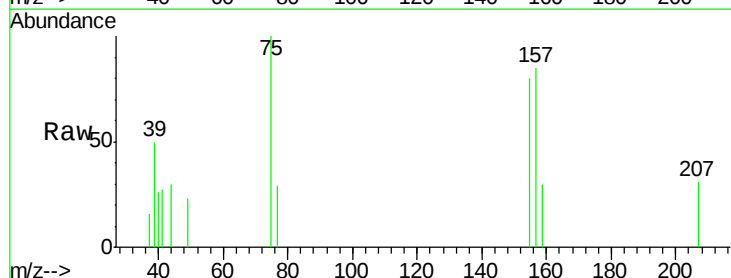
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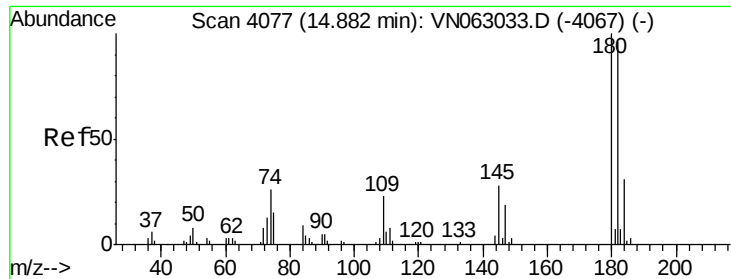
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.492 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	66.0	99.0
157	100.3	86.1	129.1





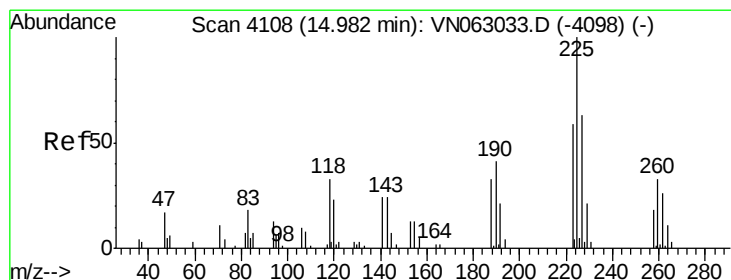
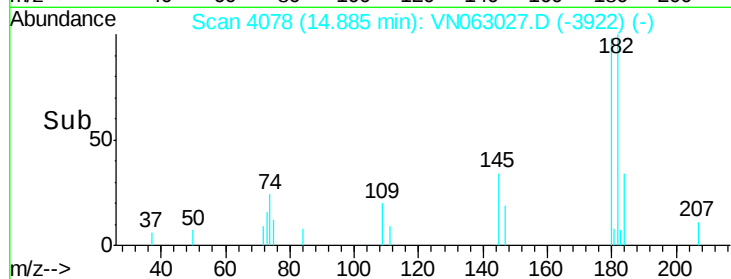
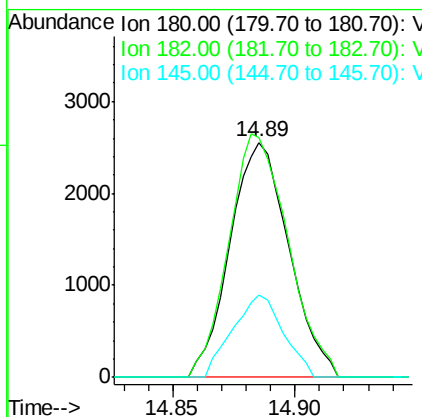
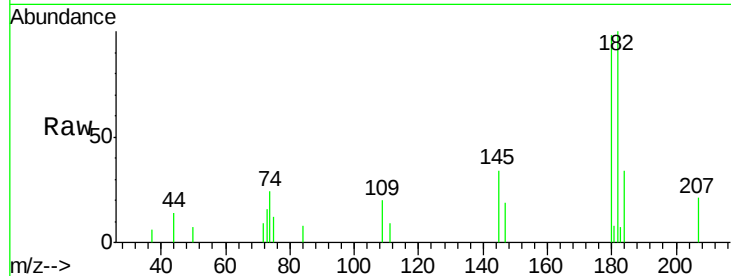
#89
 1,2,4-Trichlorobenzene
 Concen: 2.527 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.2	77.4	116.0
145	30.2	24.1	36.1

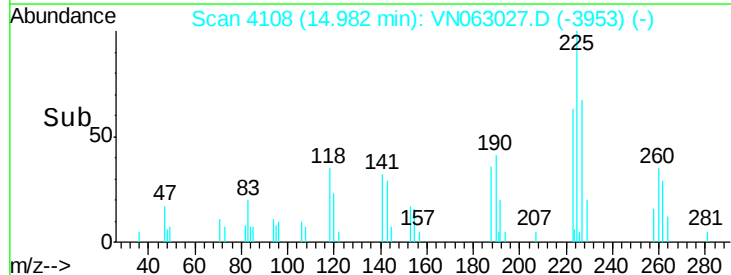
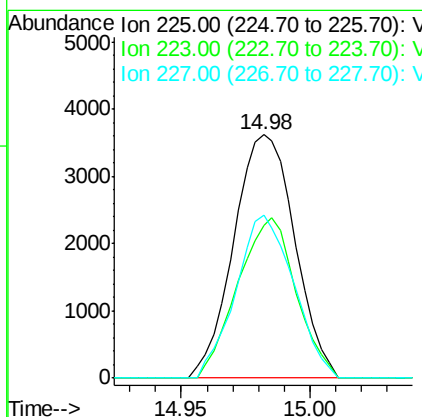
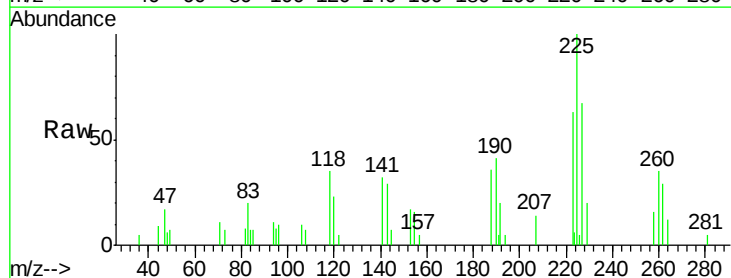
Manual Integrations
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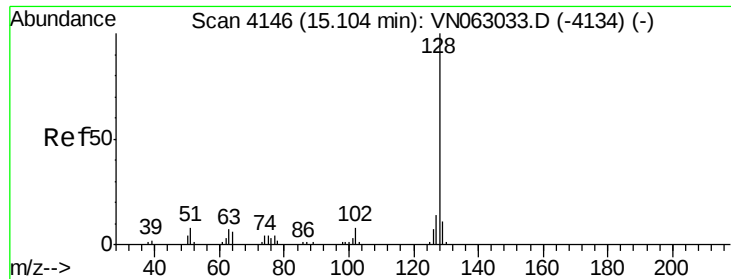
MMDadoda
 8/21/2020 9:22:54 AM



#90
 Hexachlorobutadiene
 Concen: 5.123 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063027.D
 Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	0.0	123.4
227	63.4	0.0	132.6





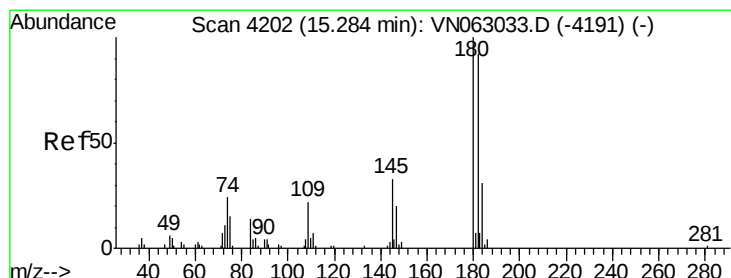
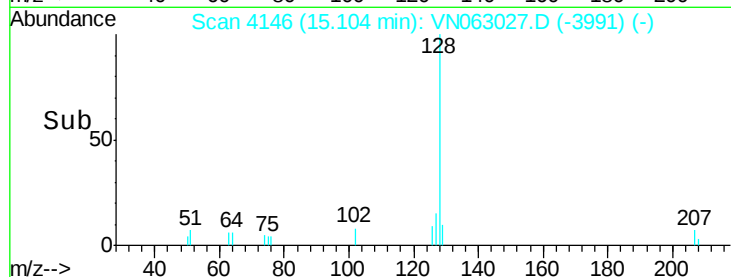
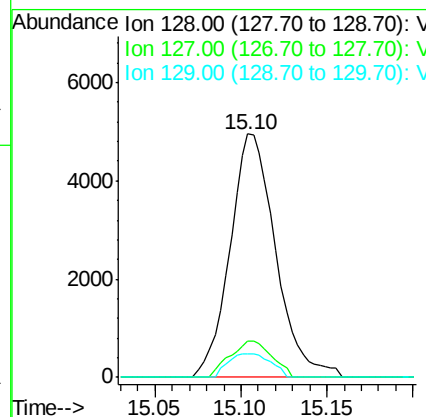
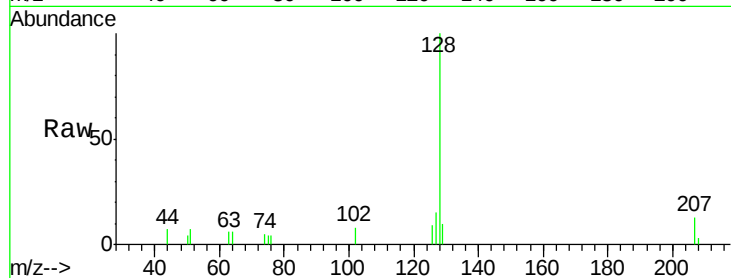
#91
Naphthalene
Concen: 2.051 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.0	16.6
129	9.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:22:54 AM



#92
1,2,3-Trichlorobenzene
Concen: 3.041 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN063027.D
Acq: 20 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	0.0	192.6
145	28.1	0.0	59.2

