

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081920\
 Data File : VN063014.D
 Acq On : 19 Aug 2020 15:32
 Operator : JC/MD
 Sample : VN0819MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 10:09:53 AM

Quant Time: Aug 19 18:06:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	179144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	275678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	262579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	120325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	104219	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.55	113	85293	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.06	98	316814	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
62) 4-Bromofluorobenzene	12.38	95	108172	44.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	41119	17.748	ug/l	100
3) Chloromethane	2.04	50	46586	18.966	ug/l	97
4) Vinyl Chloride	2.16	62	45123	18.996	ug/l	97
5) Bromomethane	2.53	94	28801	20.427	ug/l	96
6) Chloroethane	2.67	64	27024	19.268	ug/l	100
7) Trichlorofluoromethane	2.98	101	52451	17.706	ug/l	97
8) Diethyl Ether	3.37	74	18318	17.479	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	26758	16.763	ug/l	97
10) Methyl Iodide	3.91	142	34636	17.118	ug/l	99
11) Tert butyl alcohol	4.73	59	25225	83.876	ug/l	98
12) 1,1-Dichloroethene	3.70	96	24466	16.089	ug/l	87
13) Acrolein	3.57	56	5064	53.750	ug/l	100
14) Allyl chloride	4.28	41	44914	16.752	ug/l	99
15) Acrylonitrile	4.93	53	78791	89.137	ug/l	98
16) Acetone	3.78	43	60193	88.377	ug/l	98
17) Carbon Disulfide	4.01	76	68672	17.244	ug/l	100
18) Methyl Acetate	4.28	43	35363	16.760	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	95361	17.982	ug/l	97
20) Methylene Chloride	4.50	84	34744	17.698	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	28134	17.679	ug/l	97
22) Diisopropyl ether	5.90	45	115356	18.960	ug/l	95
23) Vinyl Acetate	5.84	43	351801	85.685	ug/l	100
24) 1,1-Dichloroethane	5.80	63	60695	17.852	ug/l	100
25) 2-Butanone	6.79	43	94126	83.504	ug/l	96
26) 2,2-Dichloropropane	6.78	77	42991	16.078	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	34644	17.369	ug/l	98
28) Bromochloromethane	7.15	49	34538	19.415	ug/l	99
29) Tetrahydrofuran	7.17	42	62983	86.575	ug/l	99
30) Chloroform	7.33	83	62126	18.143	ug/l	98
31) Cyclohexane	7.62	56	52348	16.728	ug/l	# 96
32) 1,1,1-Trichloroethane	7.53	97	48624	17.394	ug/l	99
36) 1,1-Dichloropropene	7.75	75	39584	16.294	ug/l	99
37) Ethyl Acetate	6.89	43	38261	16.808	ug/l	98
38) Carbon Tetrachloride	7.73	117	40977	16.707	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	45962	15.138	ug/l	95
40) Benzene	8.00	78	132198	17.157	ug/l	100
41) Methacrylonitrile	7.12	41	17234	15.890	ug/l	93
42) 1,2-Dichloroethane	8.08	62	47215	18.249	ug/l	100
43) Isopropyl Acetate	8.13	43	61587	16.330	ug/l #	92
44) Trichloroethene	8.80	130	31533	16.452	ug/l	97
45) 1,2-Dichloropropane	9.08	63	38497	17.284	ug/l	99
46) Dibromomethane	9.17	93	23479	18.248	ug/l	99
47) Bromodichloromethane	9.37	83	49312	17.498	ug/l	98
48) Methyl methacrylate	9.17	41	29691	16.639	ug/l	98
49) 1,4-Dioxane	9.17	88	12248	322.446	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	200642	84.170	ug/l	99
52) Toluene	10.12	92	80507	17.320	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	49368	16.940	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	54404	17.017	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	35237	17.730	ug/l	97
56) Ethyl methacrylate	10.40	69	45646	16.093	ug/l	97
57) 1,3-Dichloropropane	10.68	76	58401	17.696	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	46965	72.062	ug/l	99
59) 2-Hexanone	10.72	43	137981	82.984	ug/l	96
60) Dibromochloromethane	10.87	129	38102	17.323	ug/l	99
61) 1,2-Dibromoethane	10.98	107	34422	18.025	ug/l	99
64) Tetrachloroethene	10.60	164	28294	16.392	ug/l	99
65) Chlorobenzene	11.41	112	88569	16.795	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	35021	17.073	ug/l	99
67) Ethyl Benzene	11.48	91	146444	16.435	ug/l	100
68) m/p-Xylenes	11.60	106	112936	34.101	ug/l	98
69) o-Xylene	11.92	106	52242	16.427	ug/l	98
70) Styrene	11.94	104	94025	16.249	ug/l	100
71) Bromoform	12.10	173	27767	17.007	ug/l #	99
73) Isopropylbenzene	12.23	105	140727	17.079	ug/l	100
74) N-amyl acetate	12.05	43	50804	17.215	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	49721	17.609	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	42154m	18.023	ug/l	
77) Bromobenzene	12.50	156	39115	17.260	ug/l	99
78) n-propylbenzene	12.57	91	163052	17.361	ug/l	100
79) 2-Chlorotoluene	12.65	91	102459	17.344	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	119975	17.614	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	14352	16.853	ug/l	97
82) 4-Chlorotoluene	12.75	91	107083	17.802	ug/l	99
83) tert-Butylbenzene	12.97	119	100044	17.017	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	115786	17.449	ug/l	100
85) sec-Butylbenzene	13.15	105	134715	16.955	ug/l	99
86) p-Isopropyltoluene	13.26	119	115505	16.684	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	67358	17.295	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	67946	17.189	ug/l	99
89) n-Butylbenzene	13.59	91	89335	15.631	ug/l	100
90) Hexachloroethane	13.85	117	24554	16.687	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	66651	17.717	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7530	18.145	ug/l	96

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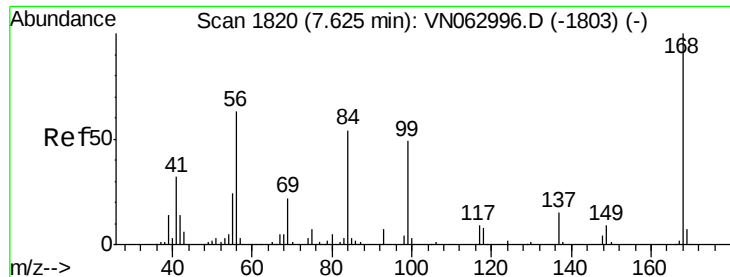
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	27779	16.655	ug/l	98
94) Hexachlorobutadiene	14.98	225	22195	15.966	ug/l	100
95) Naphthalene	15.11	128	56792	16.137	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	28268	16.697	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0819MBS01

Tot Ion:168 Resp: 179144

Ion Ratio Lower Upper

168 100

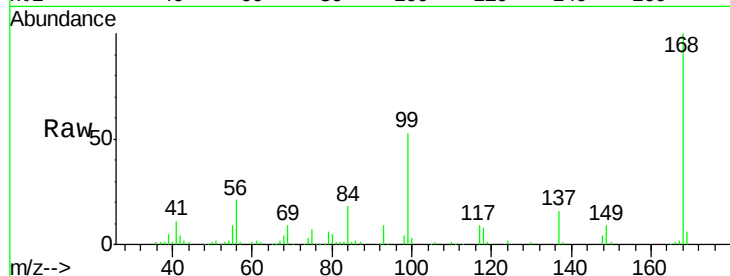
99 52.7 42.0 63.0

Manual Integrations

APPROVED

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8/20/2020 10:09:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

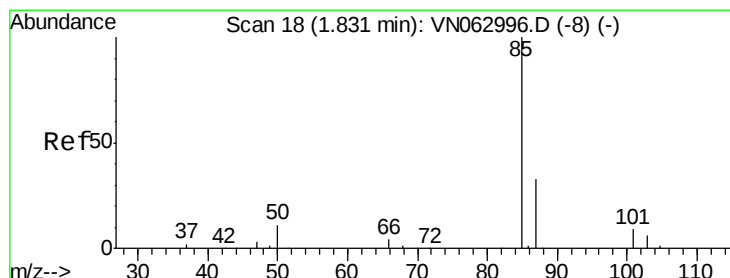
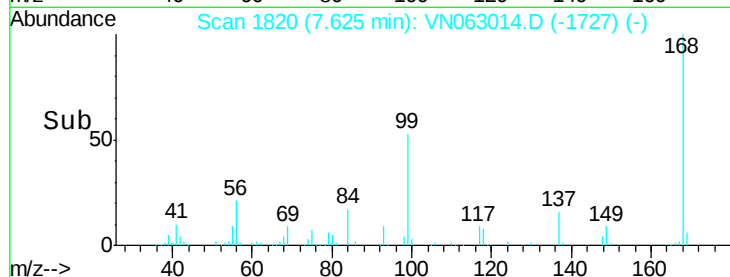
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.748 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063014.D

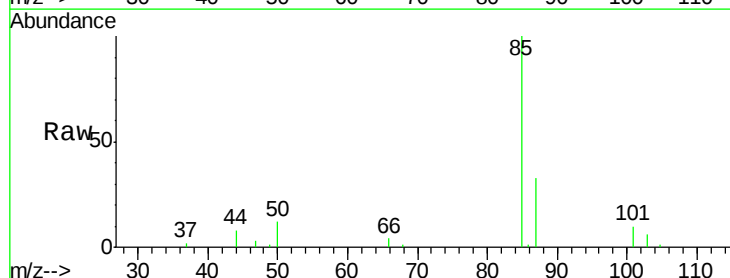
Acq: 19 Aug 2020 15:32

Tgt Ion: 85 Resp: 41119

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

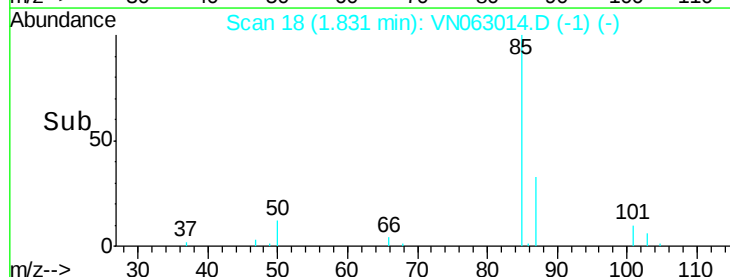
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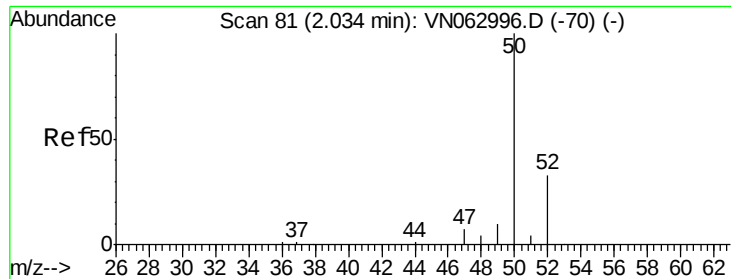
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Time-->





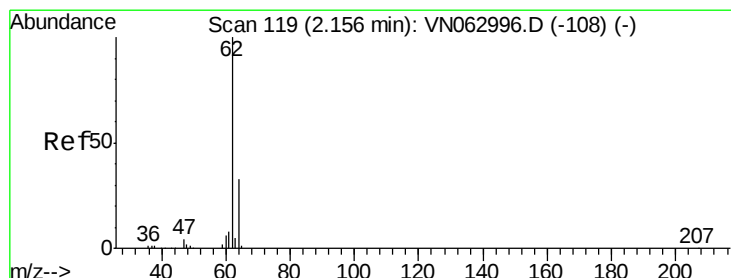
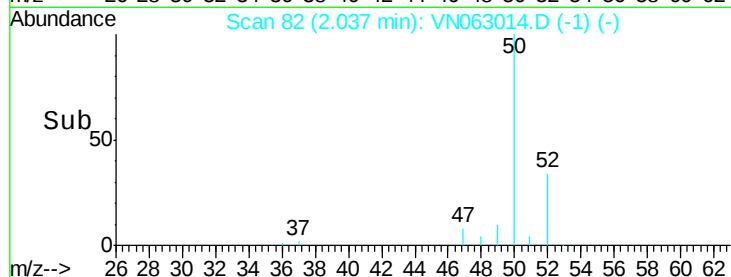
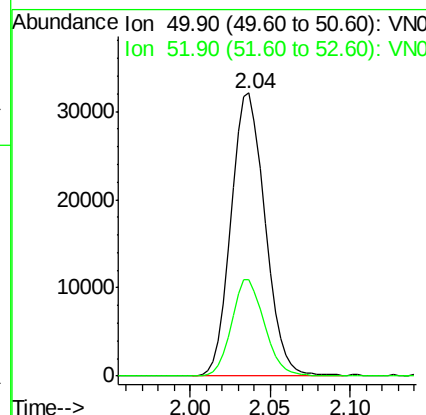
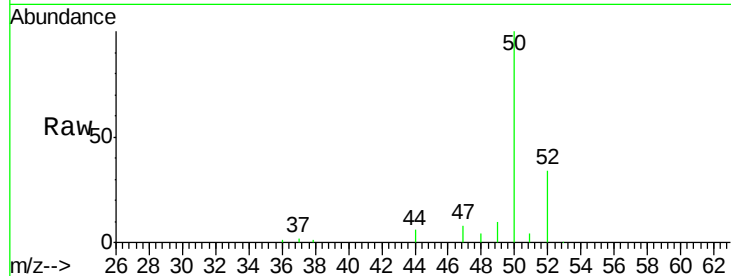
#3
Chloromethane
Concen: 18.966 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.0	39.0

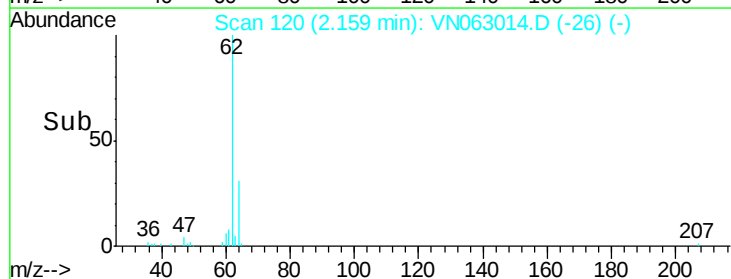
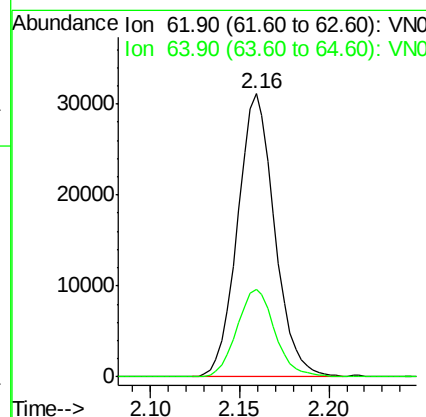
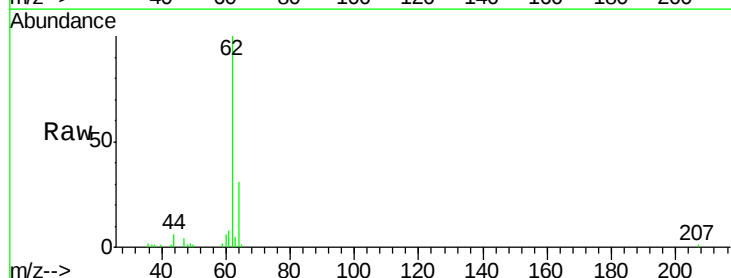
Manual Integrations
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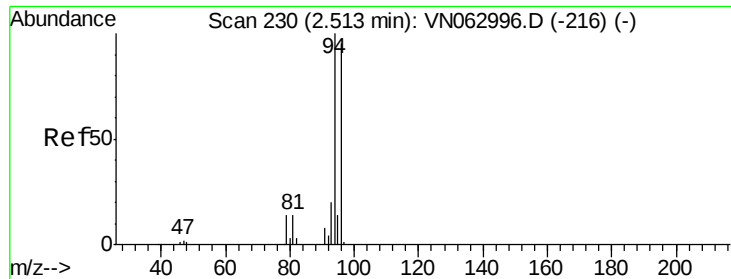
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#4
Vinyl Chloride
Concen: 18.996 ug/l
RT: 2.16 min Scan# 120
Delta R.T. 0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.2	39.2





#5

Bromomethane

Concen: 20.427 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.01 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0819MBS01

Tot Ion: 94 Resp: 28801

Ion Ratio Lower Upper

94 100

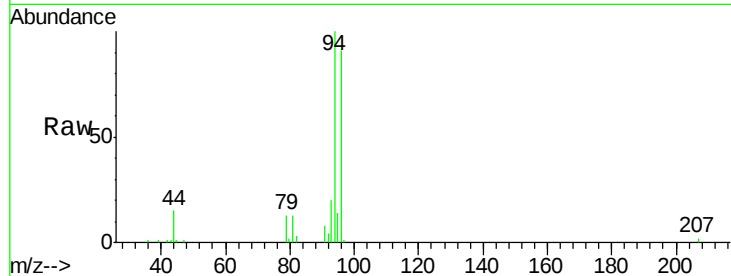
96 90.8 75.8 113.8

Manual Integrations

APPROVED

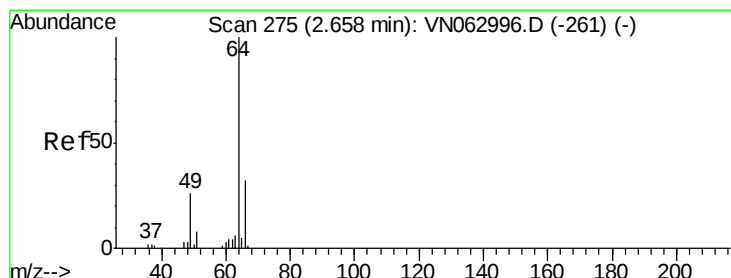
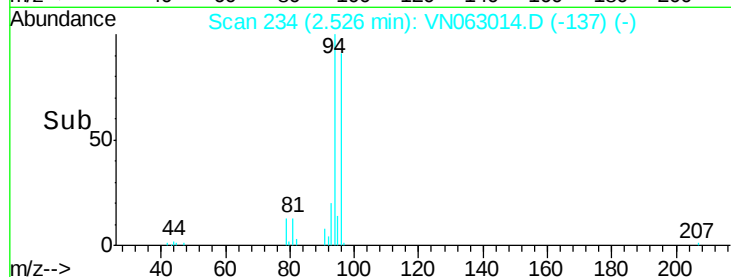
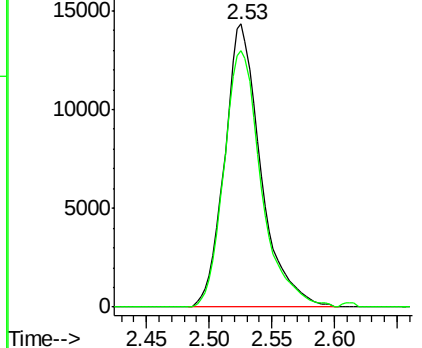
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.268 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.01 min

Lab File: VN063014.D

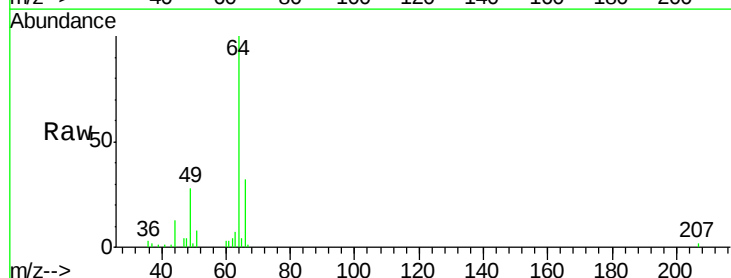
Acq: 19 Aug 2020 15:32

Tgt Ion: 64 Resp: 27024

Ion Ratio Lower Upper

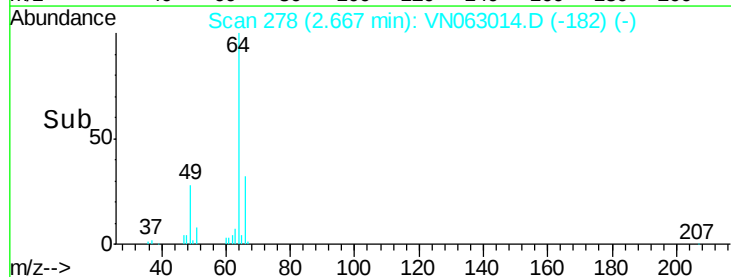
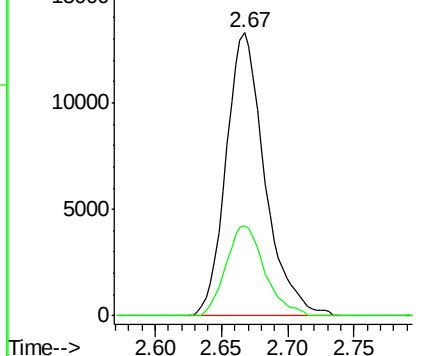
64 100

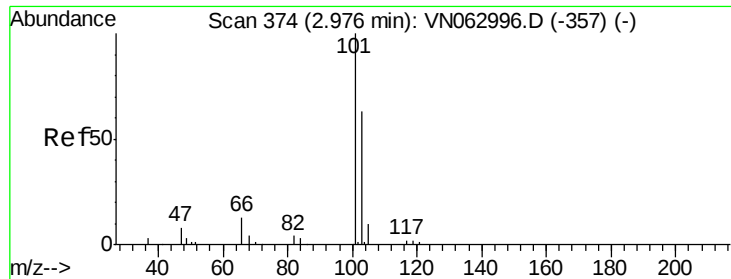
66 31.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

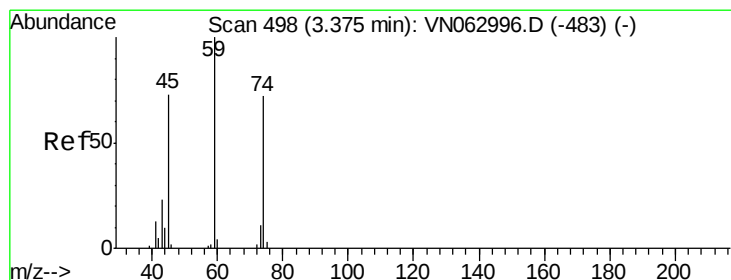
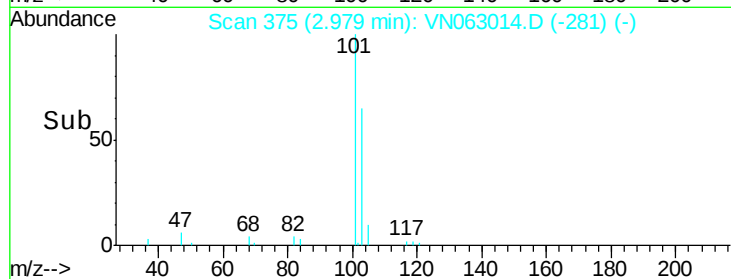
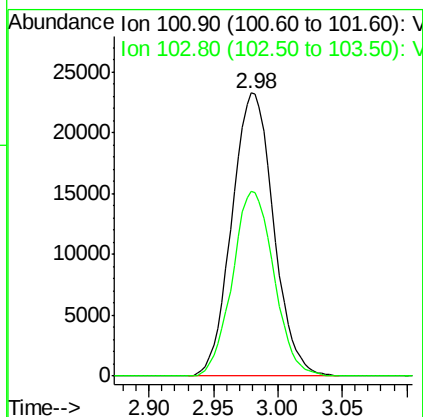
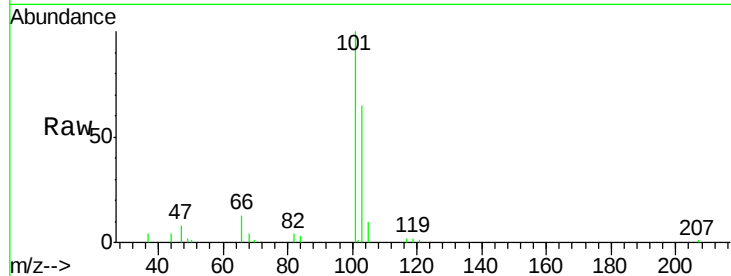
Trichlorofluoromethane
 Concen: 17.706 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0819MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.5	75.7

Manual Integrations
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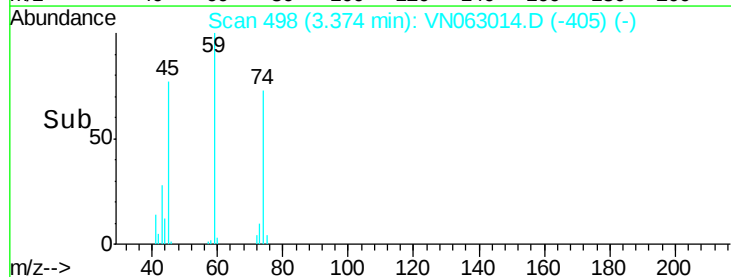
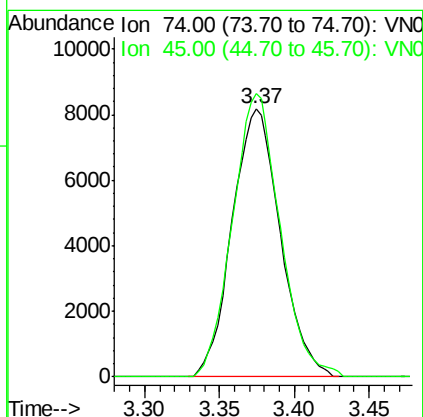
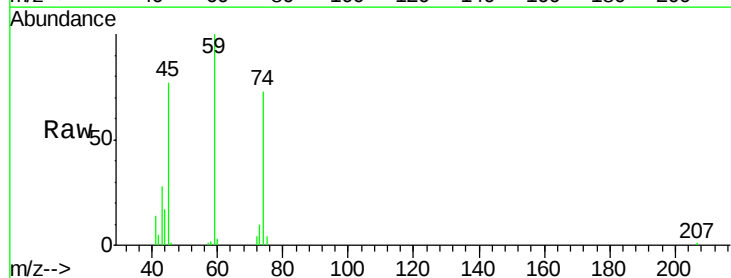
MMDadoda
 8/20/2020 10:09:53 AM

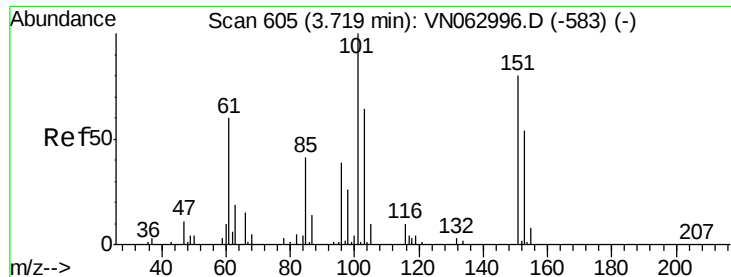


#8

Diethyl Ether
 Concen: 17.479 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.763 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

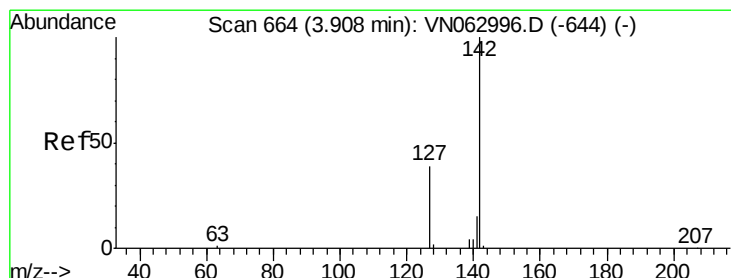
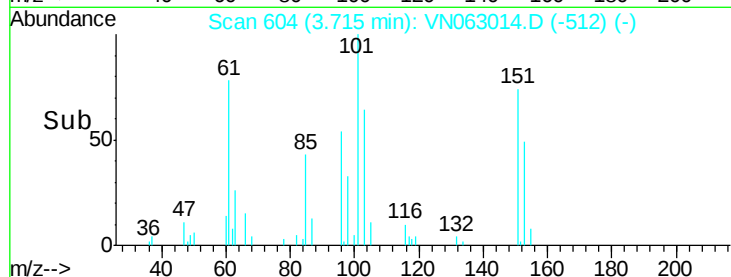
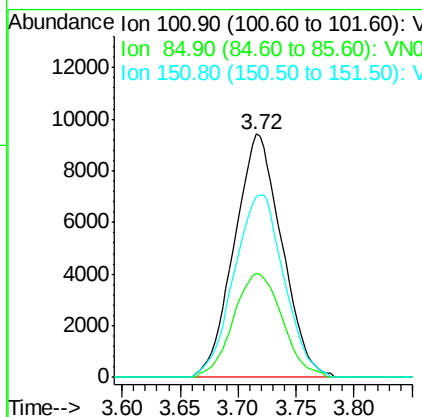
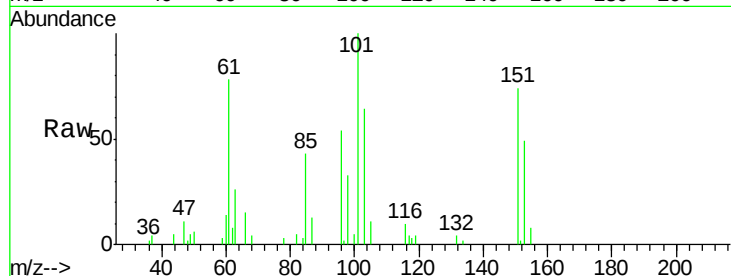
ClientSampleId :

VN0819MBS01

Tot Ion:	101	Resp:	26758
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.0	51.0
151	79.3	65.8	98.8

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#10

Methyl Iodide

Concen: 17.118 ug/l

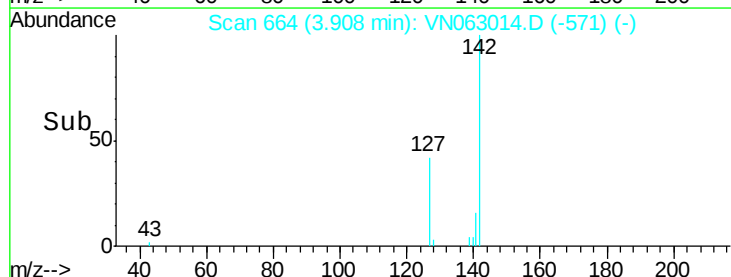
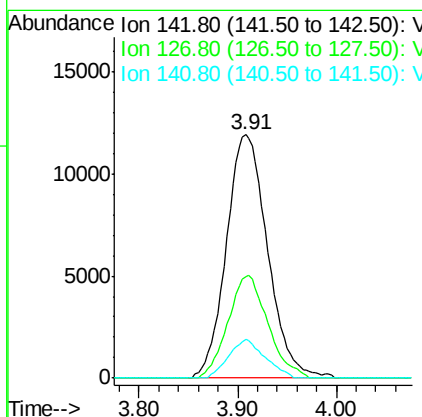
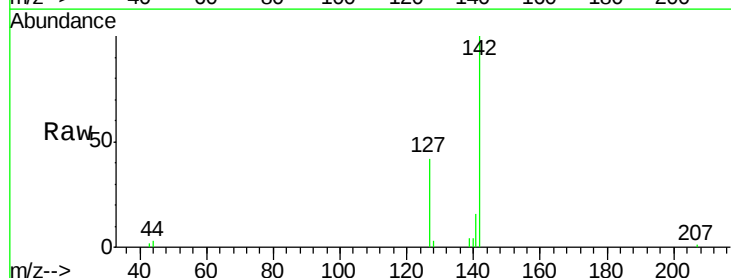
RT: 3.91 min Scan# 664

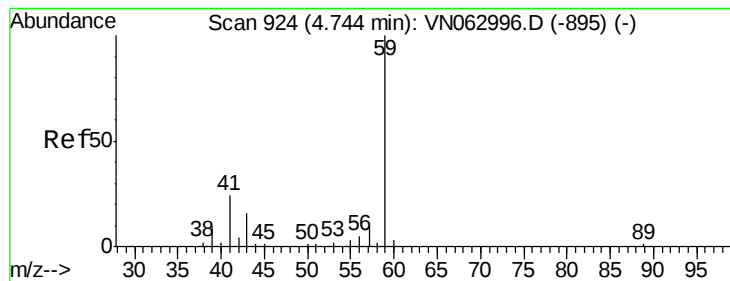
Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Tgt Ion:	142	Resp:	34636
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.2	48.4
141	13.9	11.3	16.9





#11

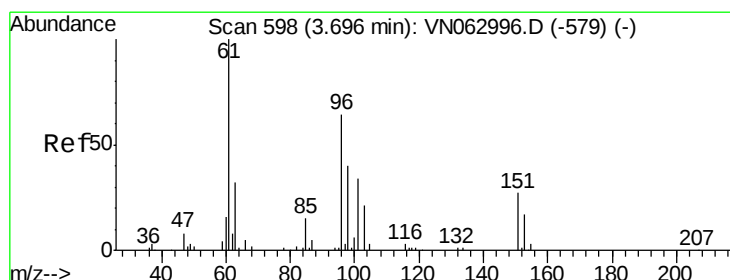
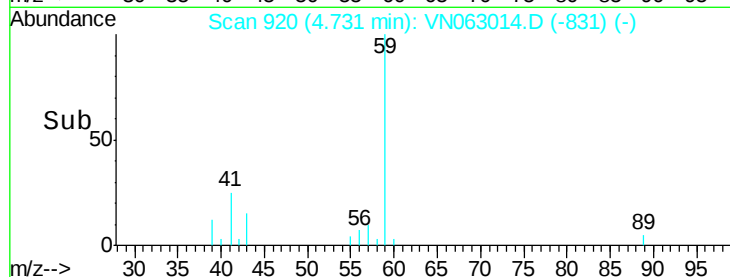
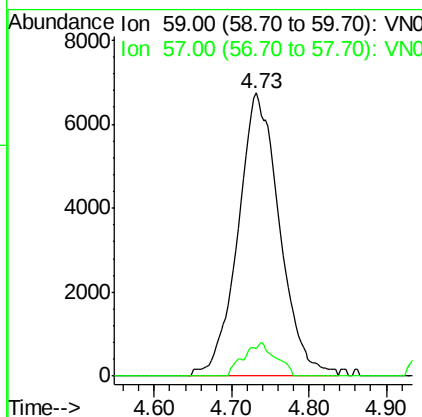
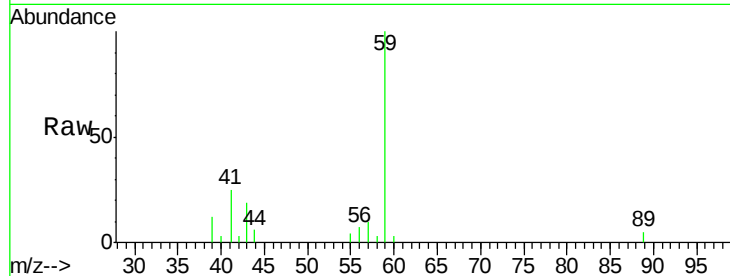
Tert butyl alcohol
 Concen: 83.876 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.8	11.6

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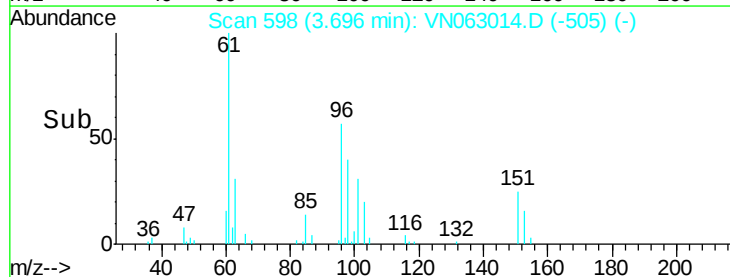
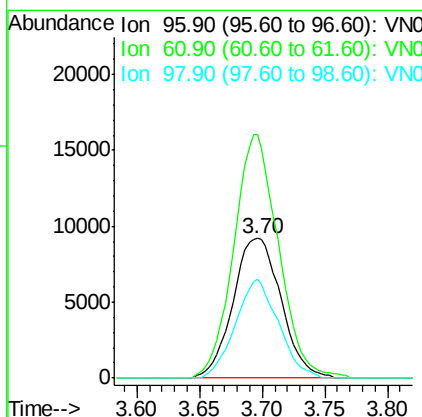
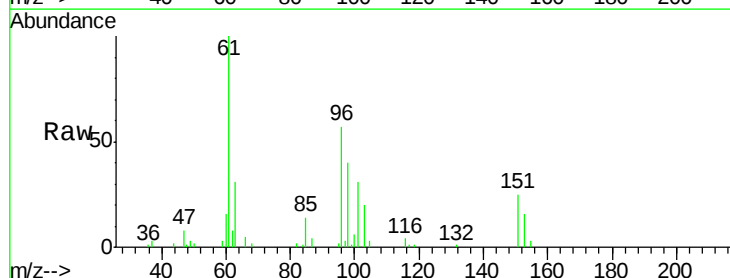
MMDadoda
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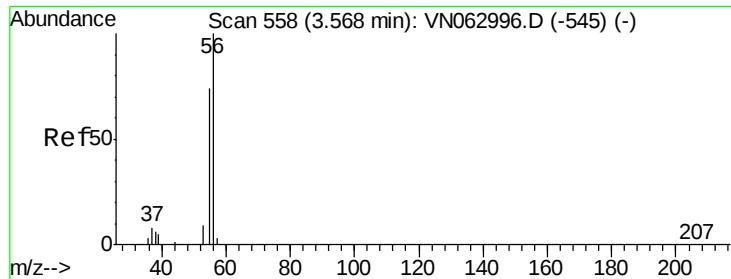


#12

1,1-Dichloroethene
 Concen: 16.089 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.7	125.5	188.3
98	70.7	50.4	75.6





#13

Acrolein

Concen: 53.750 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0819MBS01

Tot Ion: 56 Resp: 5064

Ion Ratio Lower Upper

56 100

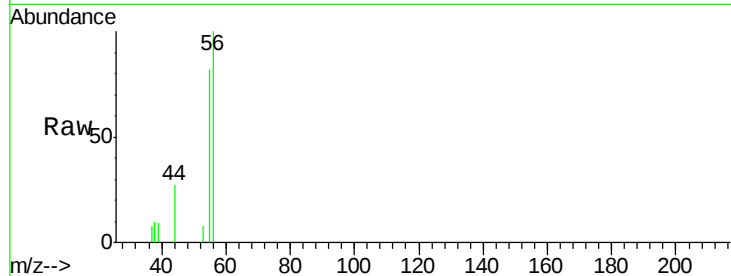
55 72.7 58.4 87.6

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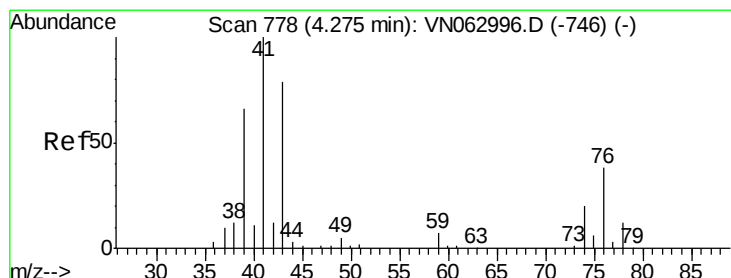
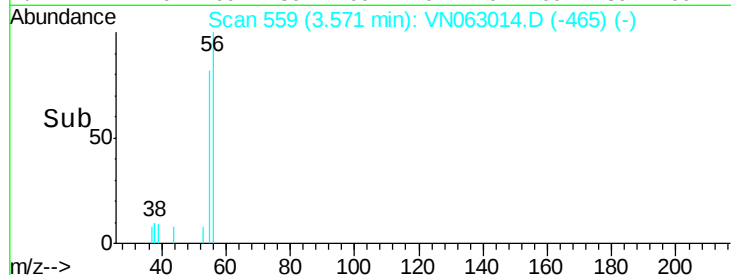
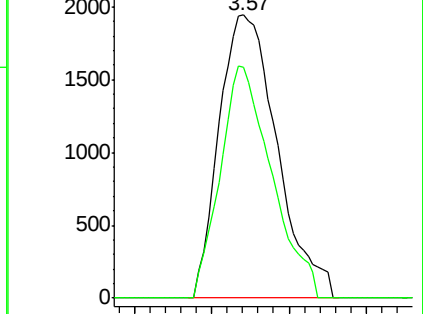
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Abundance Ion 56.00 (55.70 to 56.70): VN062996.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN062996.D (-545) (-)



#14

Allyl chloride

Concen: 16.752 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

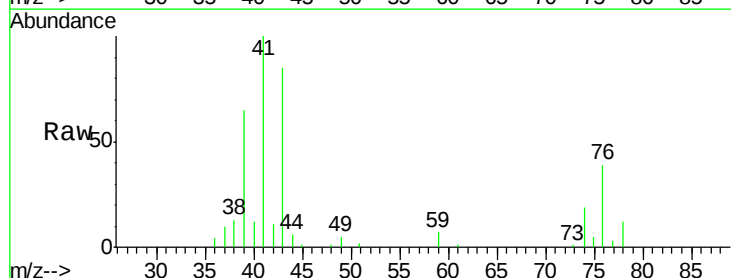
Tgt Ion: 41 Resp: 44914

Ion Ratio Lower Upper

41 100

39 59.7 47.9 71.9

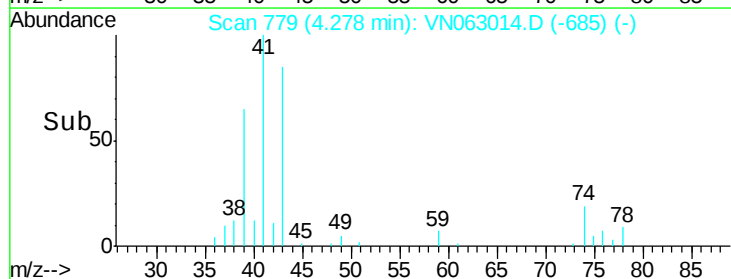
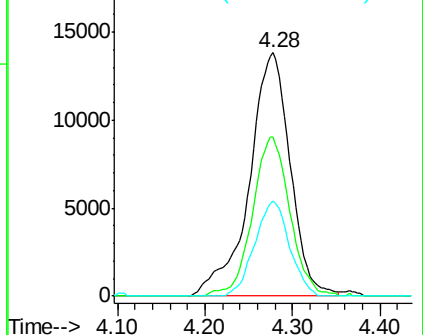
76 33.1 27.0 40.6

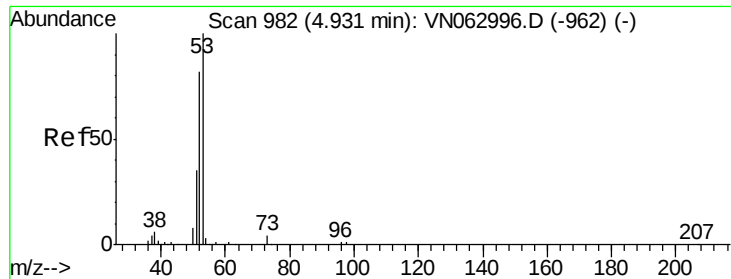


Abundance Ion 41.00 (40.70 to 41.70): VN062996.D (-746) (-)

Ion 39.00 (38.70 to 39.70): VN062996.D (-746) (-)

Ion 75.90 (75.60 to 76.60): VN062996.D (-746) (-)





#15

Acrylonitrile

Concen: 89.137 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

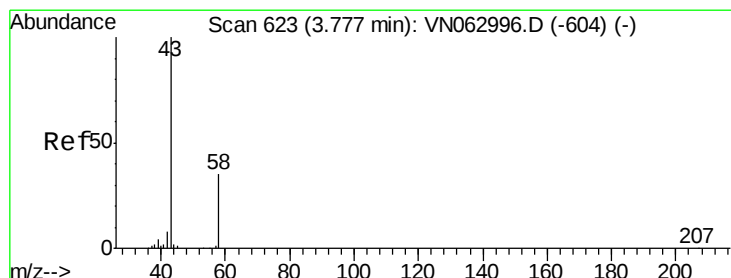
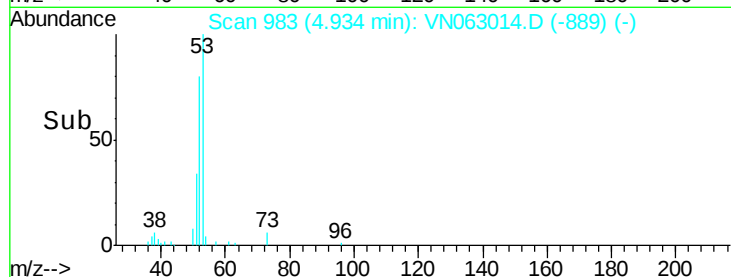
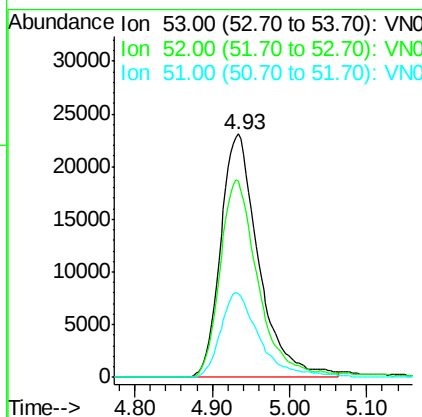
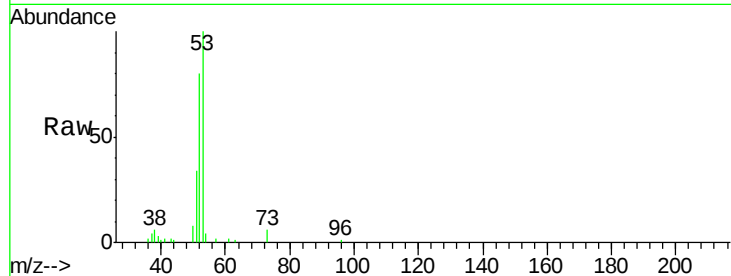
ClientSampleId :

VN0819MBS01

Tot Ion:	53	Resp:	78791
Ion Ratio	Lower	Upper	
53	100		
52	79.8	65.6	98.4
51	35.8	28.2	42.4

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#16

Acetone

Concen: 88.377 ug/l

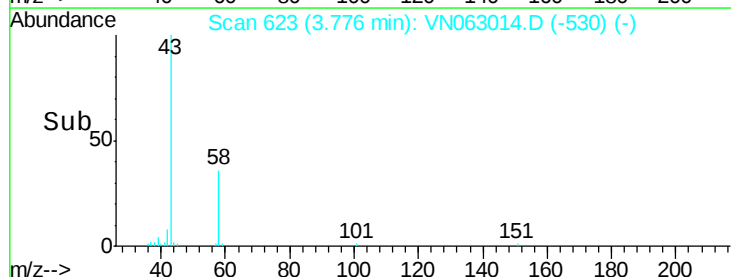
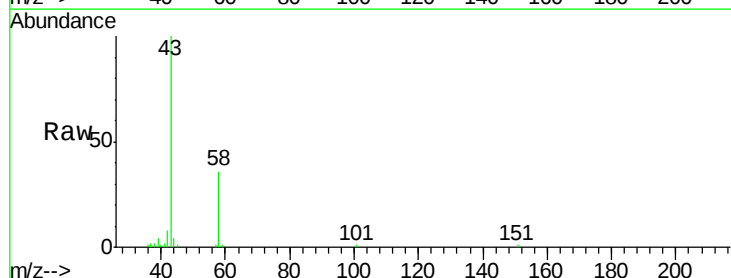
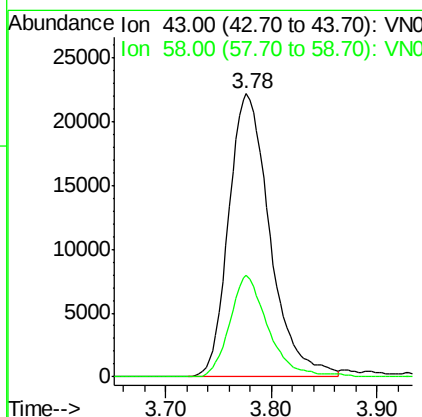
RT: 3.78 min Scan# 623

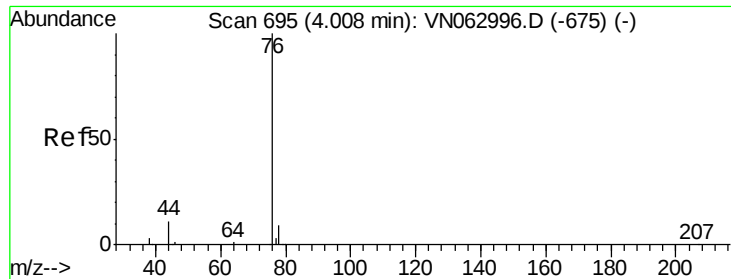
Delta R.T. 0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Tgt Ion:	43	Resp:	60193
Ion Ratio	Lower	Upper	
43	100		
58	36.0	27.8	41.6





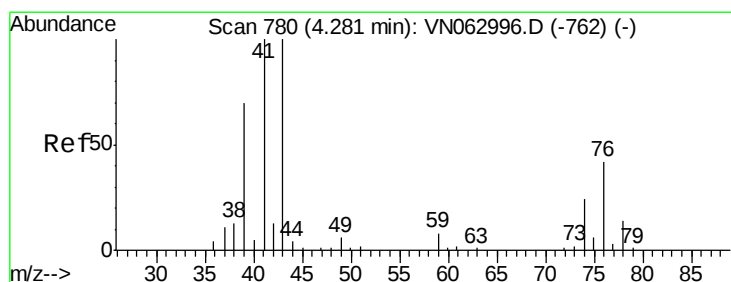
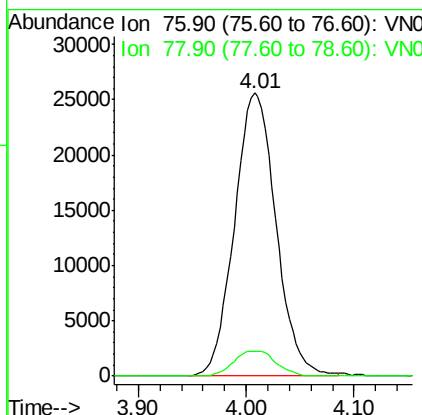
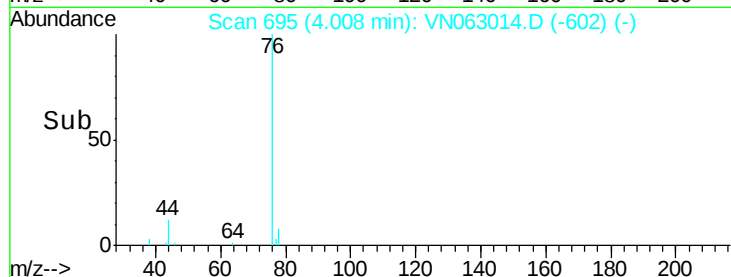
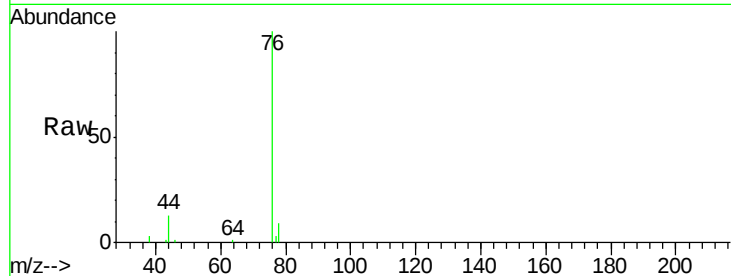
#17
Carbon Disulfide
Concen: 17.244 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampled :
VN0819MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

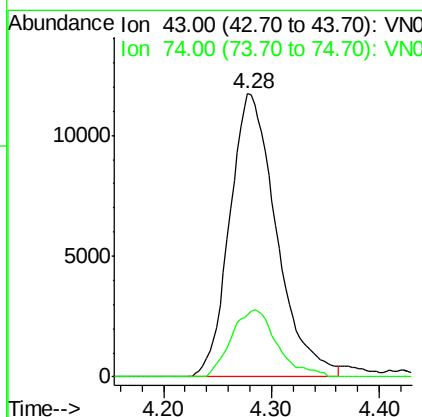
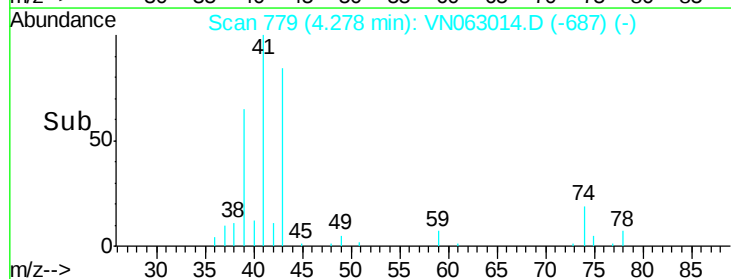
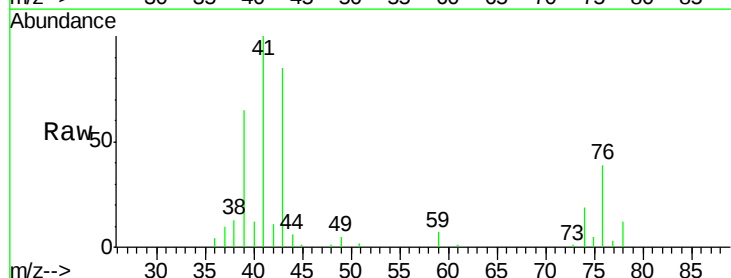
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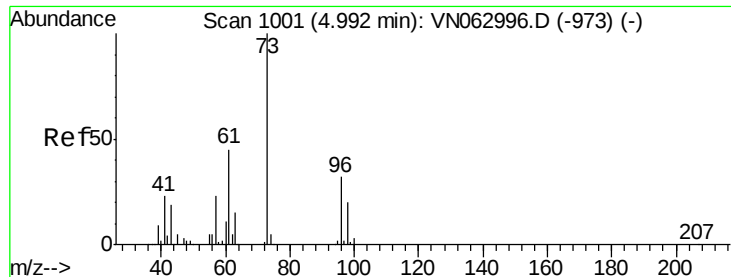
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#18
Methyl Acetate
Concen: 16.760 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.6	28.0





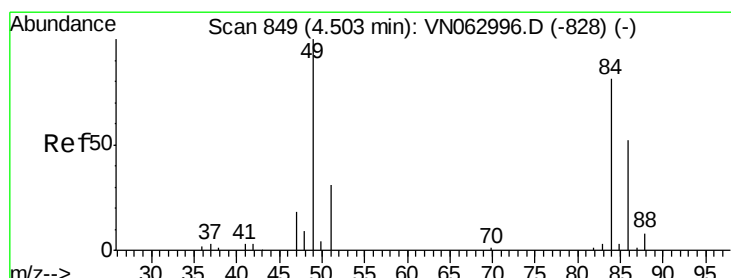
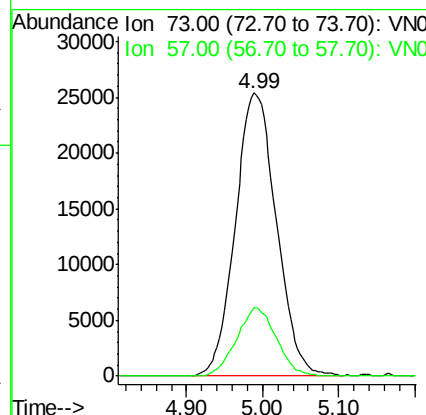
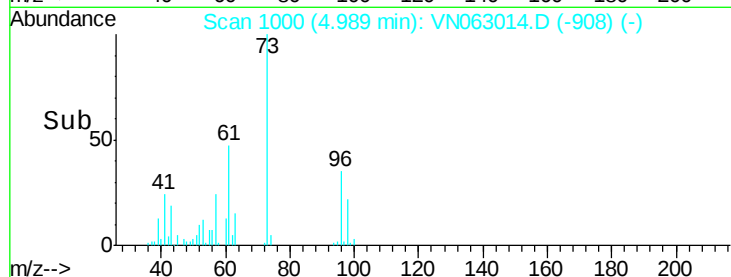
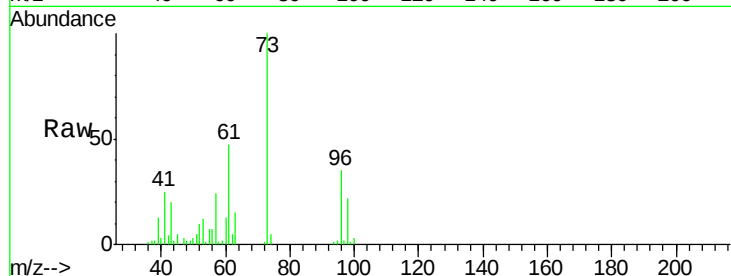
#19
Methyl tert-butyl Ether
Concen: 17.982 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion: 73 Resp: 95361
Ion Ratio Lower Upper
73 100
57 24.1 18.1 27.1

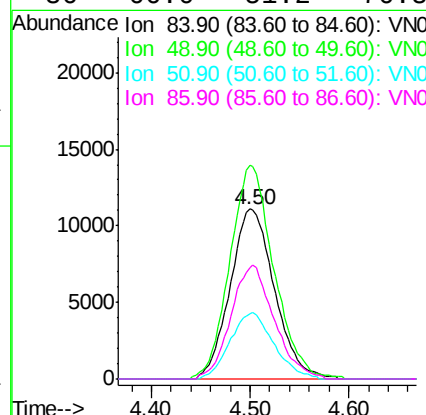
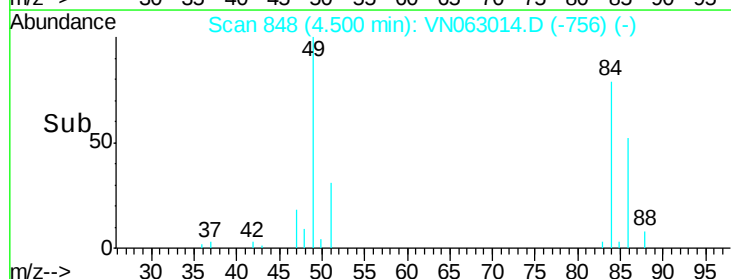
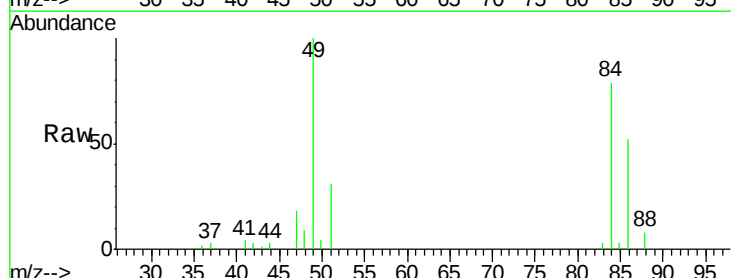
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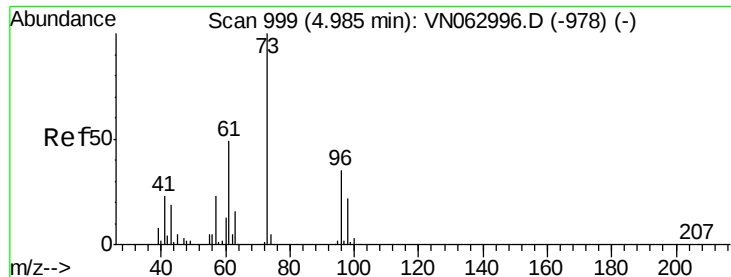
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#20
Methylene Chloride
Concen: 17.698 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion: 84 Resp: 34744
Ion Ratio Lower Upper
84 100
49 124.4 98.7 148.1
51 38.5 30.8 46.2
86 66.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 17.679 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

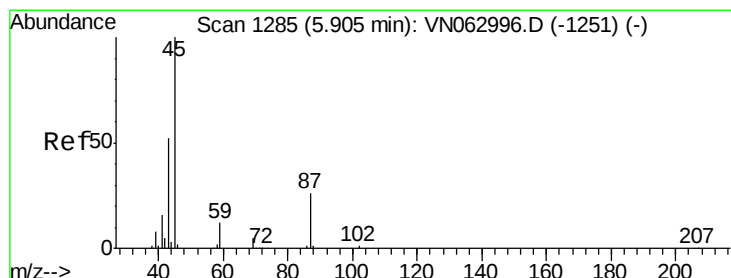
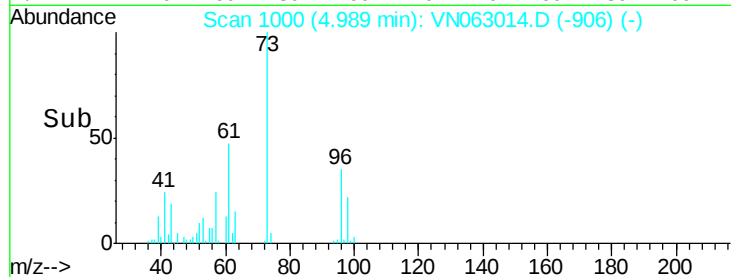
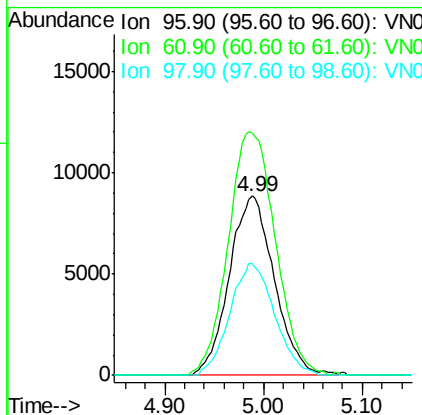
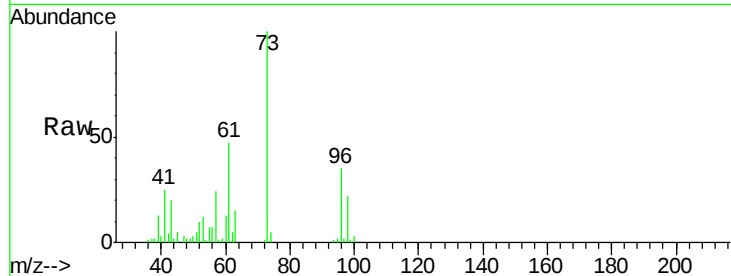
ClientSampleId :

VN0819MBS01

Tot Ion:	96	Resp:	28134
Ion	Ratio	Lower	Upper
96	100		
61	135.0	112.5	168.7
98	62.5	49.4	74.0

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#22

Diisopropyl ether

Concen: 18.960 ug/l

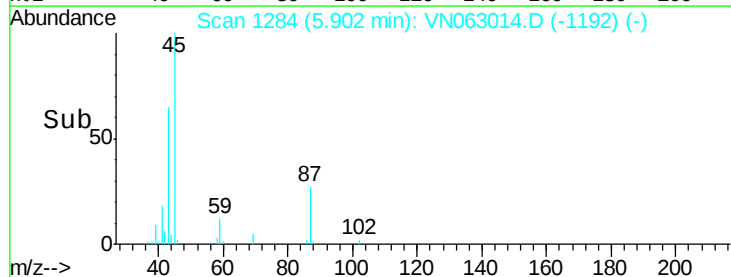
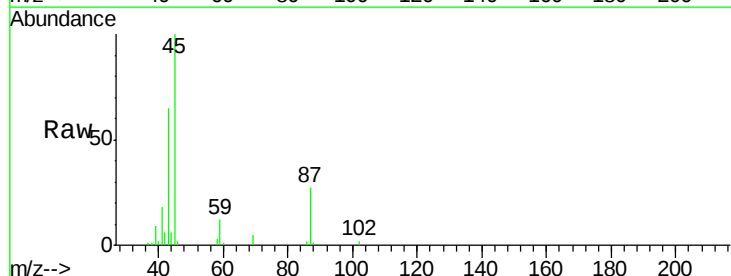
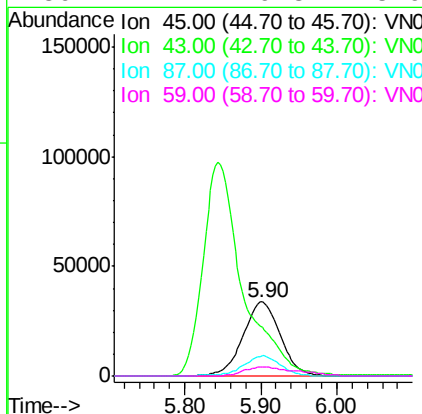
RT: 5.90 min Scan# 1284

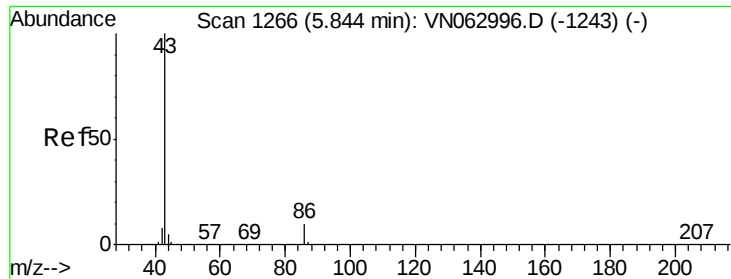
Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Tgt Ion:	45	Resp:	115356
Ion	Ratio	Lower	Upper
45	100		
43	62.9	45.7	68.5
87	27.4	21.8	32.6
59	11.4	9.3	13.9





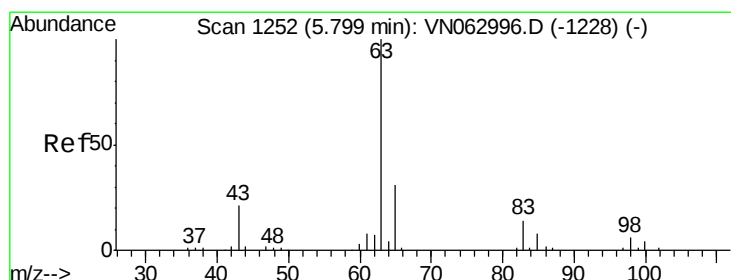
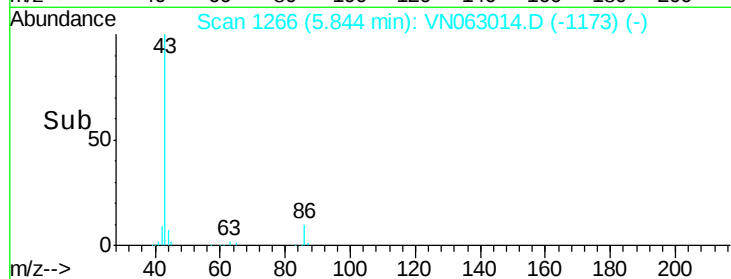
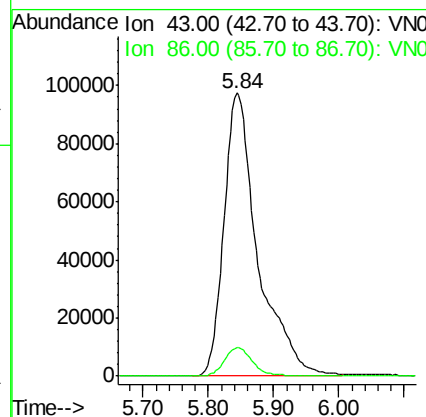
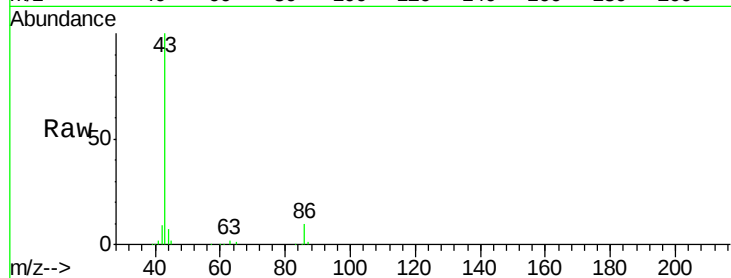
#23
 Vinyl Acetate
 Concen: 85.685 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.0	12.0

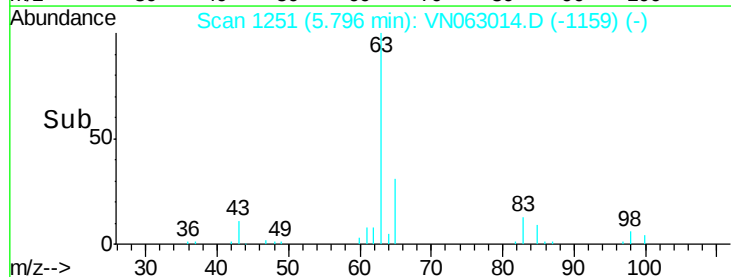
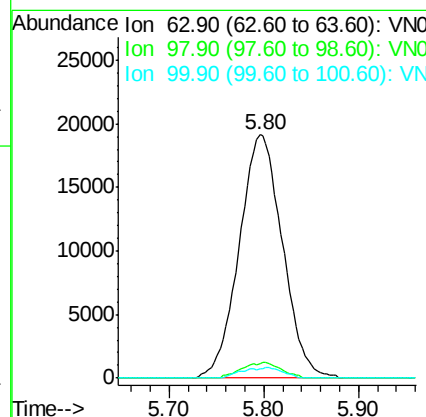
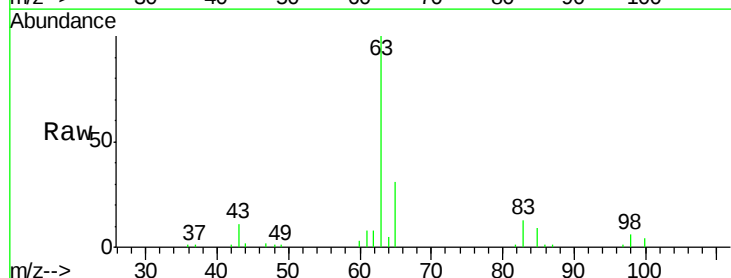
Manual Integrations
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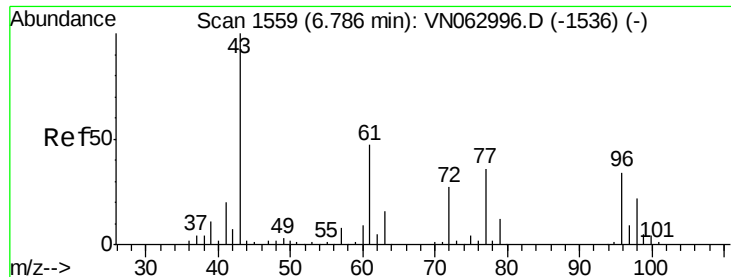
MMDadoda
 8/20/2020 10:09:53 AM



#24
 1,1-Dichloroethane
 Concen: 17.852 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.9	8.7
100	3.7	2.0	5.8





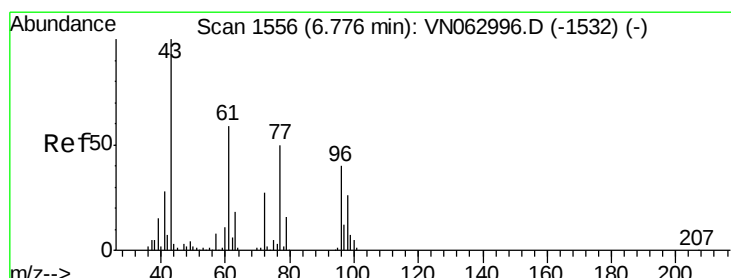
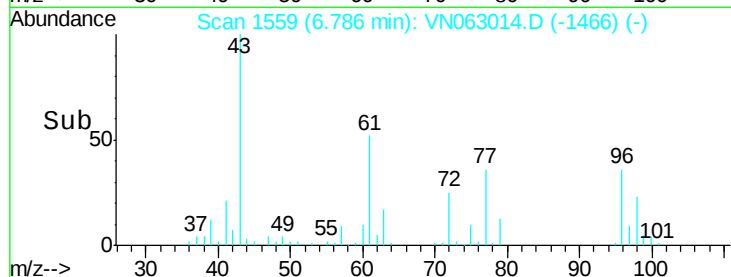
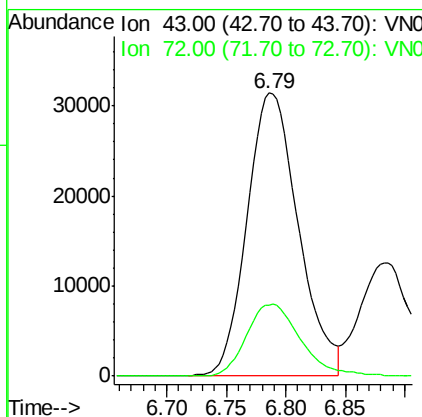
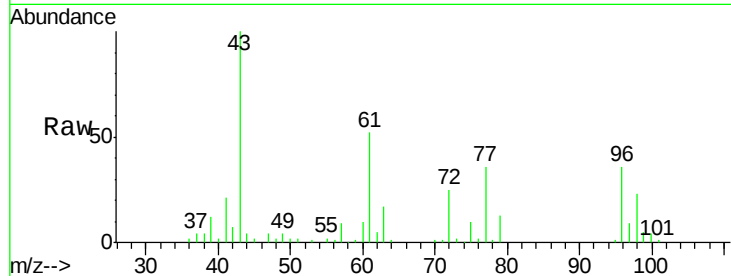
#25
2-Butanone
Concen: 83.504 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion: 43 Resp: 94126
Ion Ratio Lower Upper
43 100
72 25.1 21.8 32.6

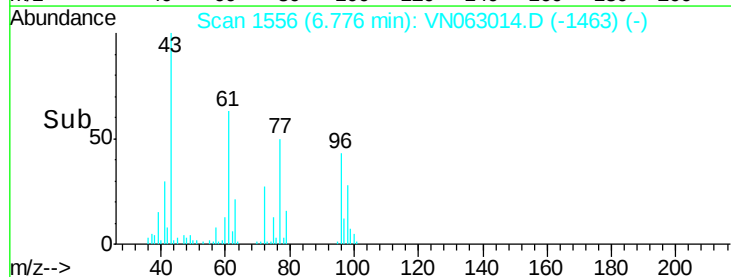
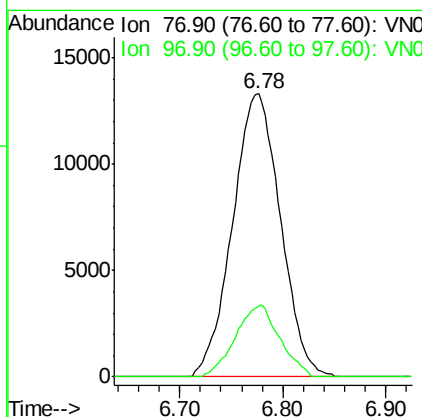
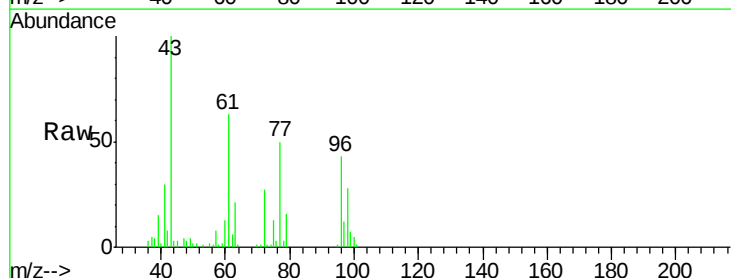
Manual Integrations
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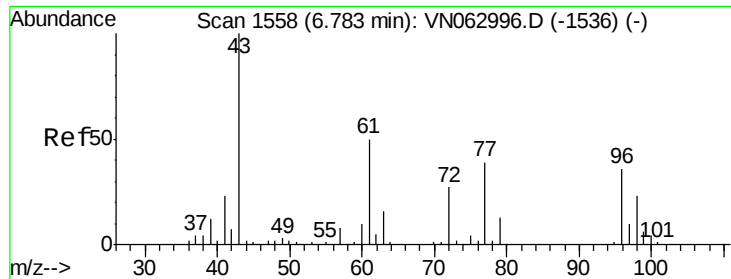
MMDadoda
8/20/2020 10:09:53 AM



#26
2,2-Dichloropropane
Concen: 16.078 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion: 77 Resp: 42991
Ion Ratio Lower Upper
77 100
97 23.4 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 17.369 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

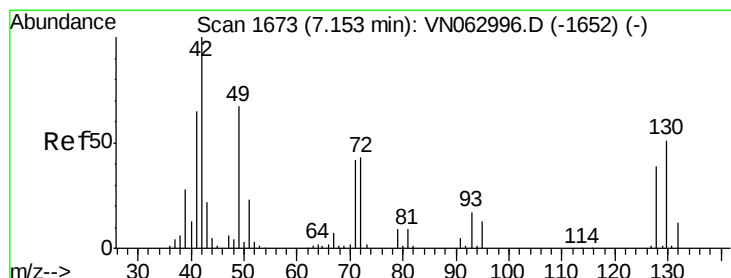
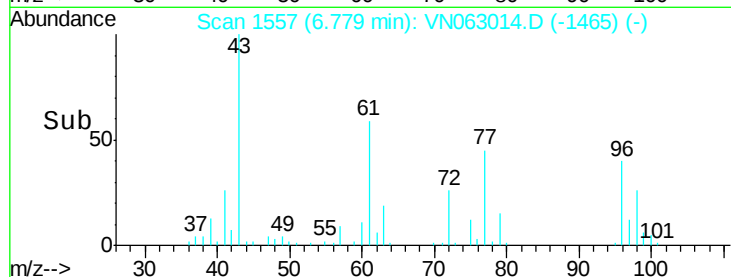
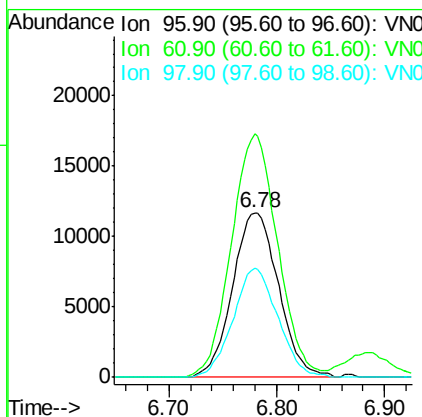
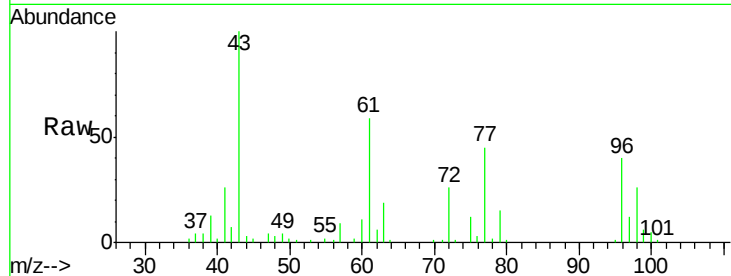
ClientSampleId :

VN0819MBS01

Tot Ion:	96	Resp:	34644
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	292.8
98	64.6	0.0	130.6

Manual Integrations
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8/20/2020 10:09:53 AM



#28

Bromochloromethane

Concen: 19.415 ug/l

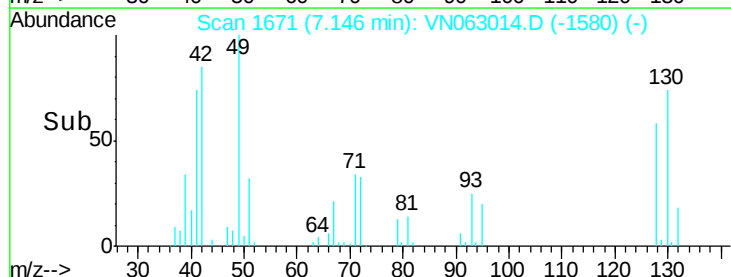
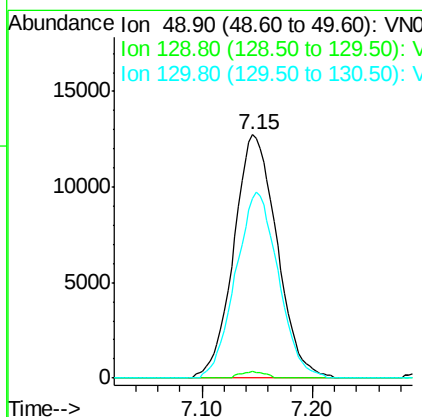
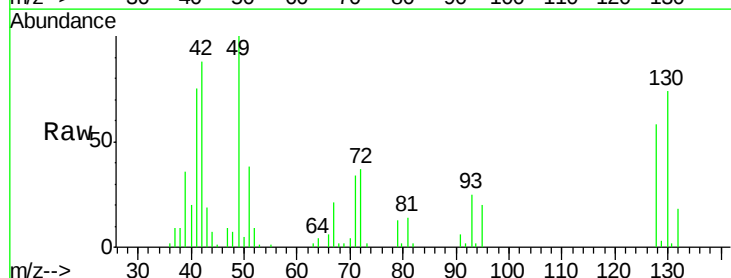
RT: 7.15 min Scan# 1671

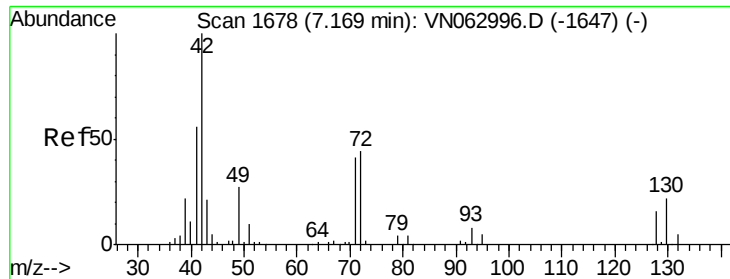
Delta R.T. -0.01 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Tgt Ion:	49	Resp:	34538
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	75.5	61.1	91.7





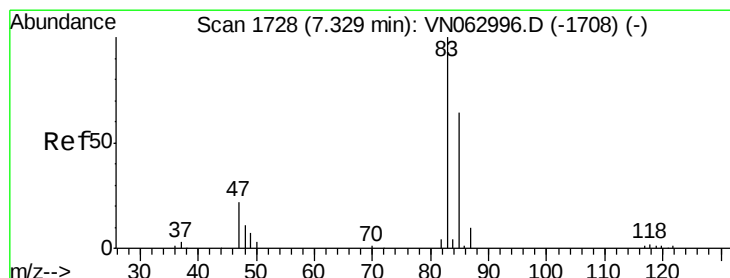
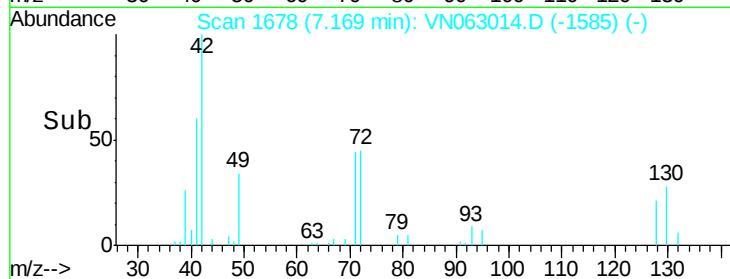
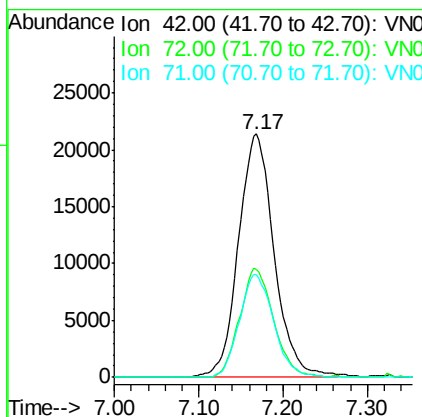
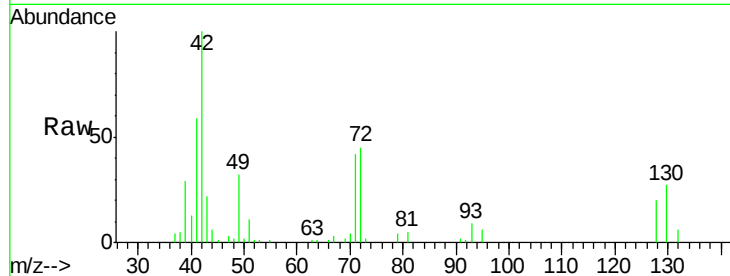
#29
Tetrahydrofuran
Concen: 86.575 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.6	52.0
71	40.7	32.3	48.5

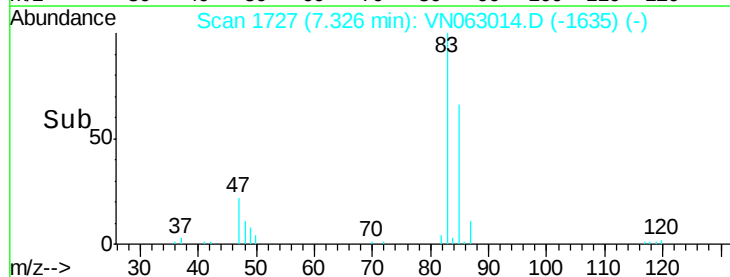
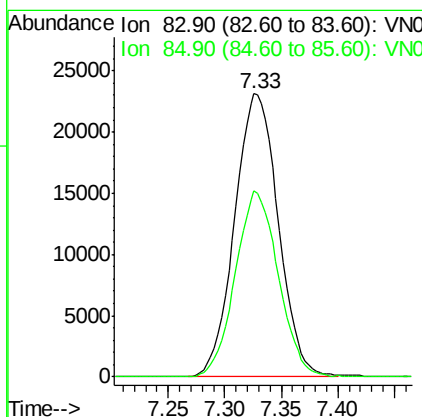
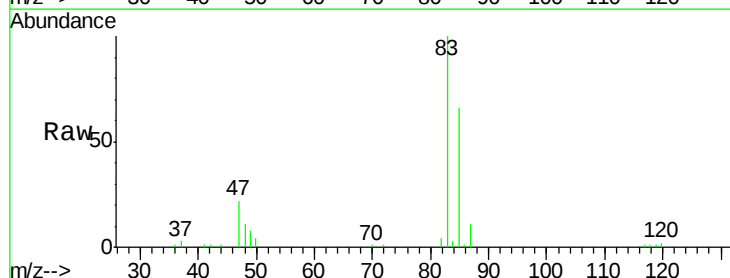
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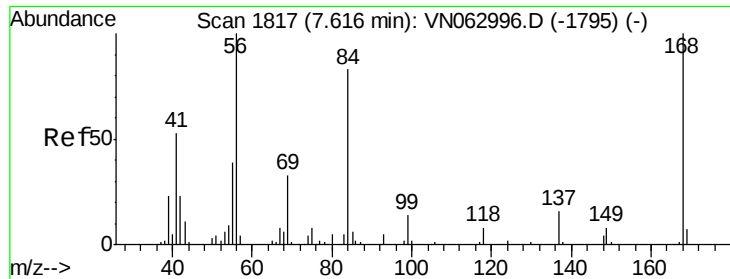
MMDadoda
8/20/2020 10:09:53 AM



#30
Chloroform
Concen: 18.143 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3





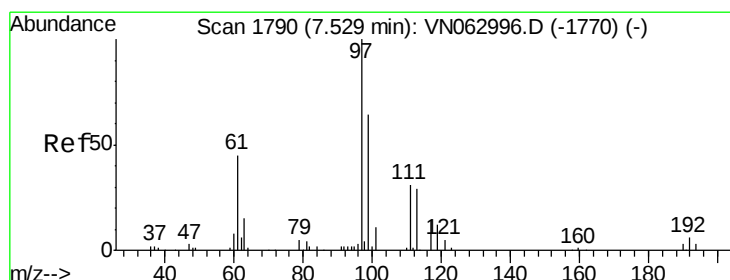
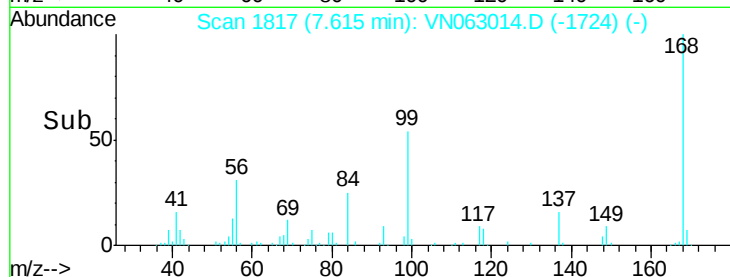
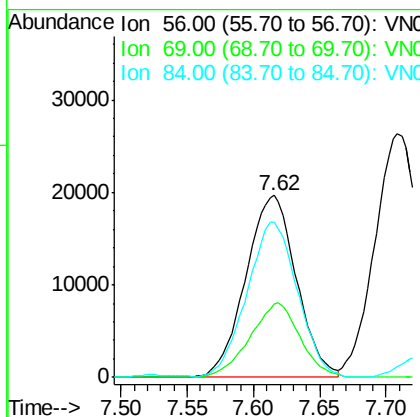
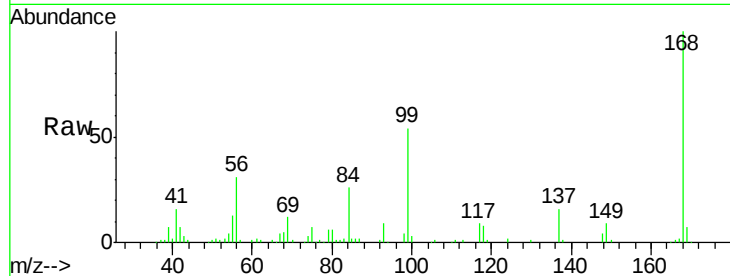
#31
Cyclohexane
Concen: 16.728 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.0	26.6	40.0#
84	84.2	66.4	99.6

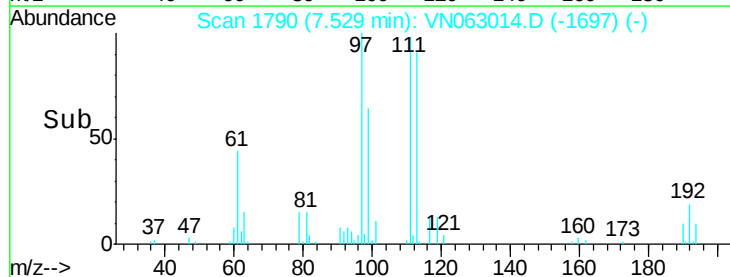
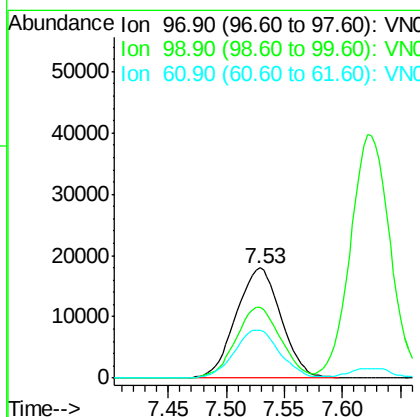
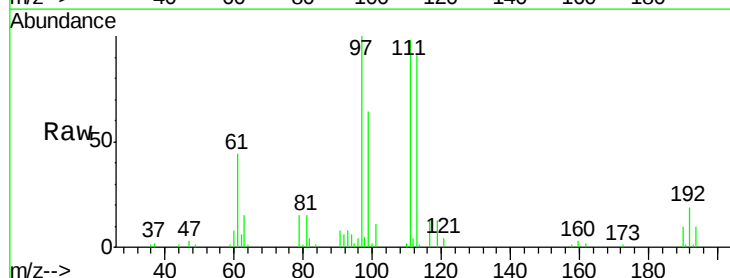
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#32
1,1,1-Trichloroethane
Concen: 17.394 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	44.1	36.2	54.4





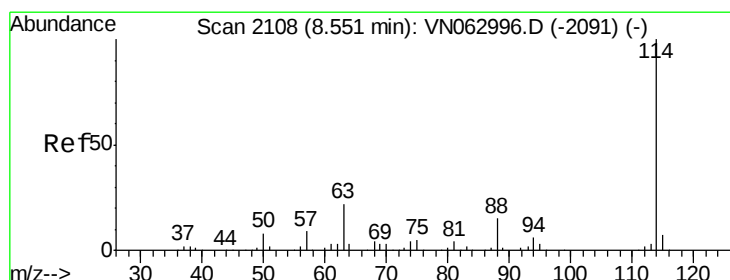
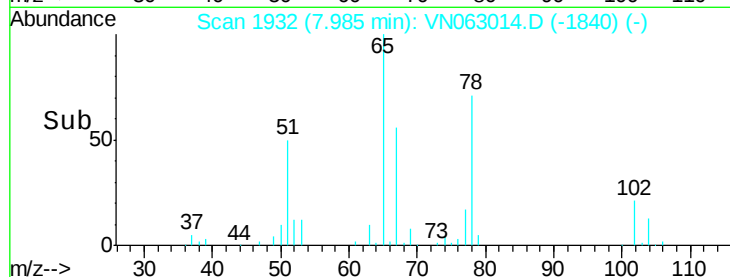
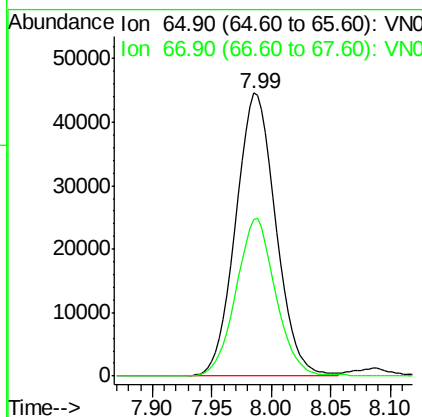
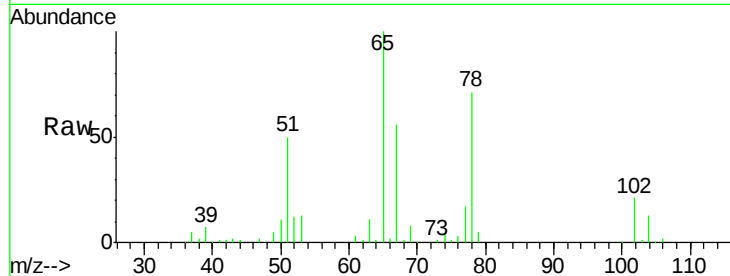
#33
 1,2-Dichloroethane-d4
 Concen: 49.086 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	112.0	

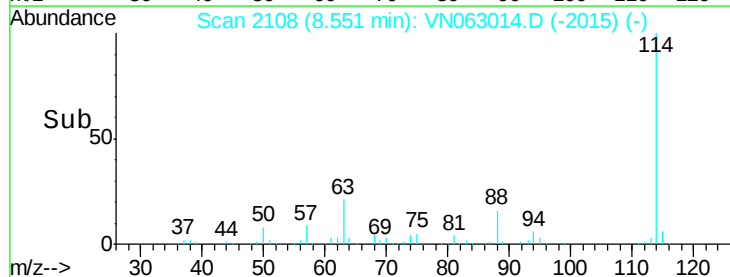
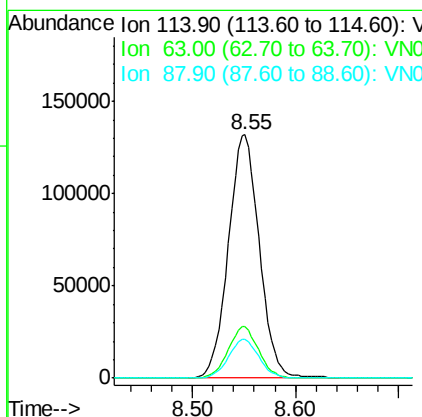
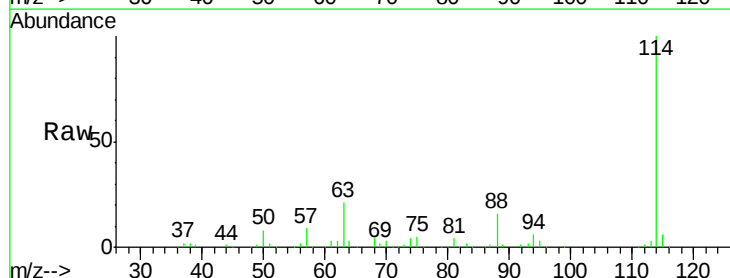
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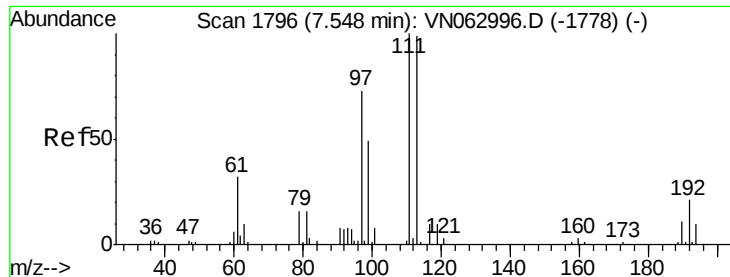
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	43.2	
88	15.7	0.0	30.6	





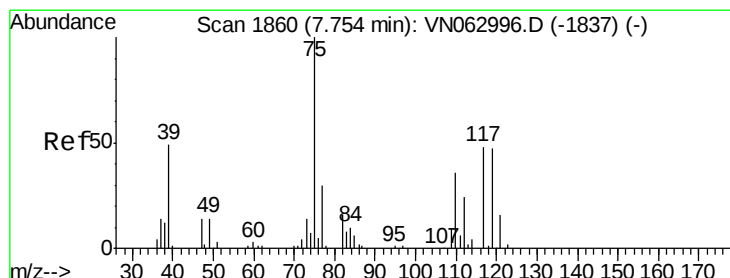
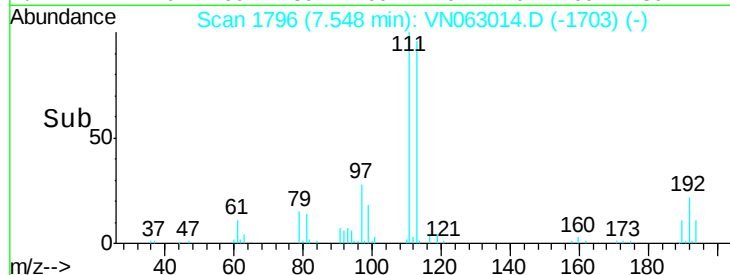
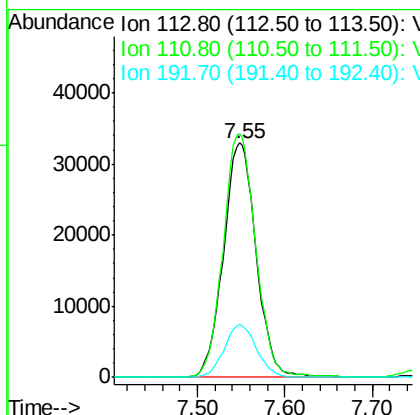
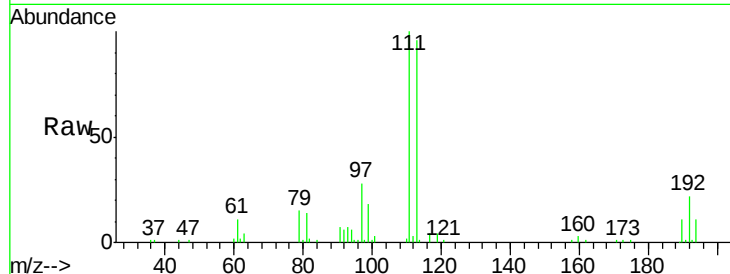
#35
 Dibromofluoromethane
 Concen: 47.482 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	85293		
111	103.7		81.7	122.5
192	22.1		17.5	26.3

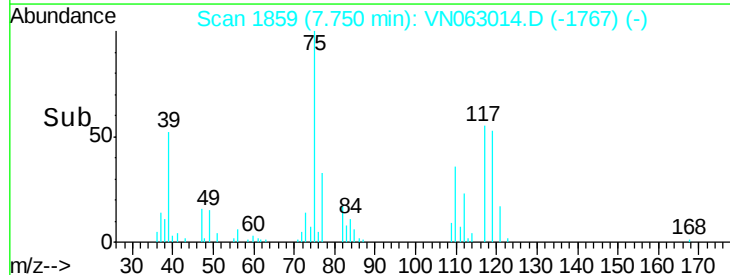
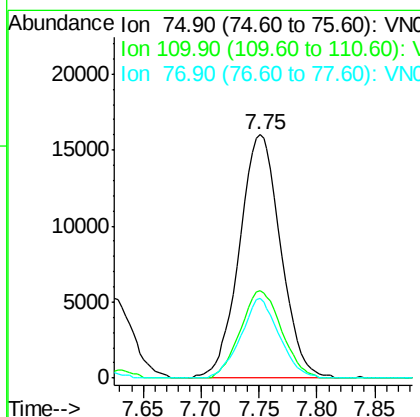
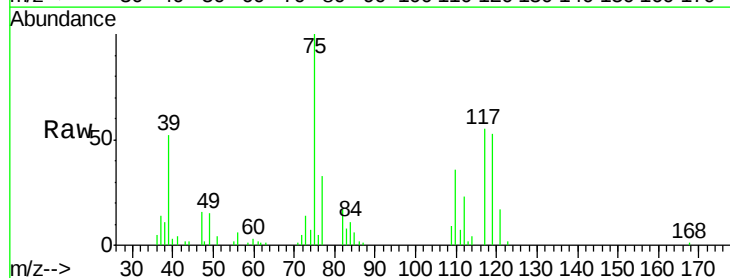
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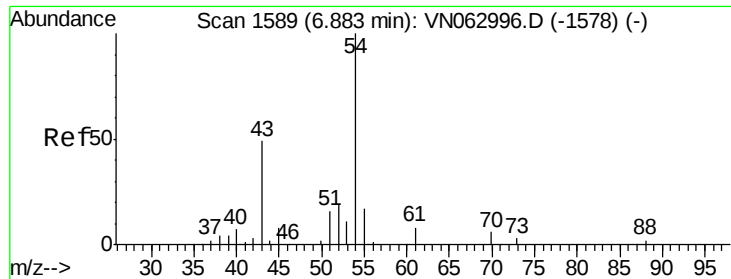
MMDadoda
 8/20/2020 10:09:53 AM



#36
 1,1-Dichloropropene
 Concen: 16.294 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	39584		
110	35.8		17.5	52.6
77	30.4		24.2	36.4





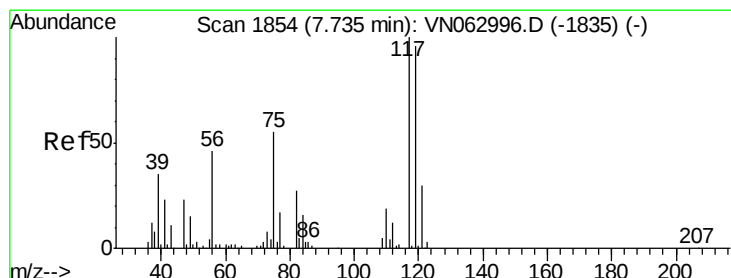
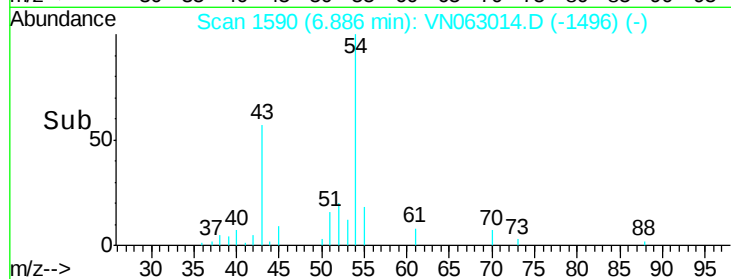
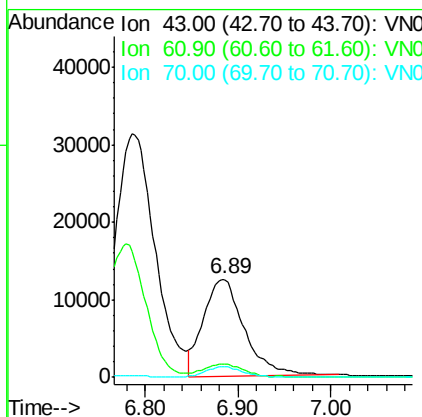
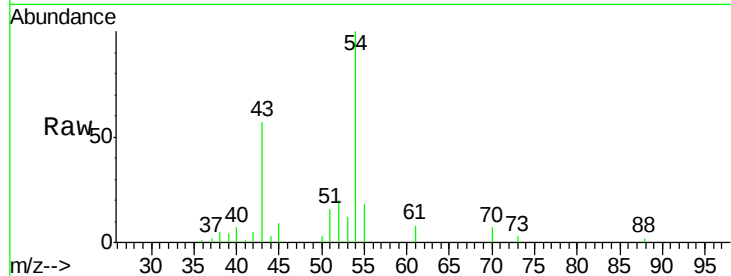
#37
Ethyl Acetate
Concen: 16.808 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	43	61	70	Resp	Lower	Upper
38261	100	13.9	9.9			
		11.8	8.2			
		17.8	12.2			

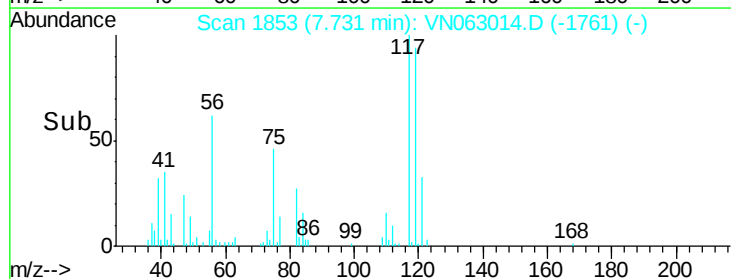
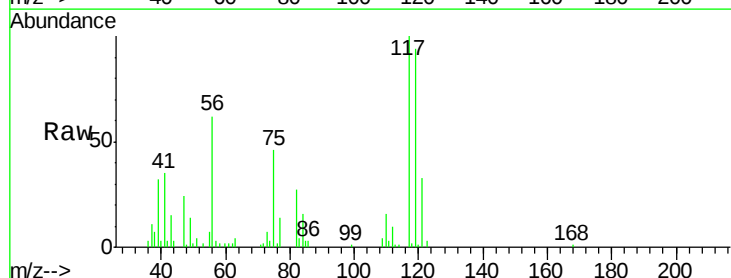
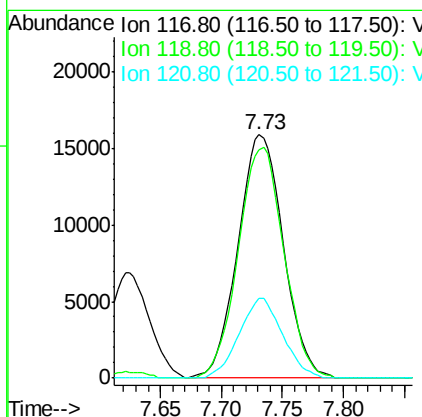
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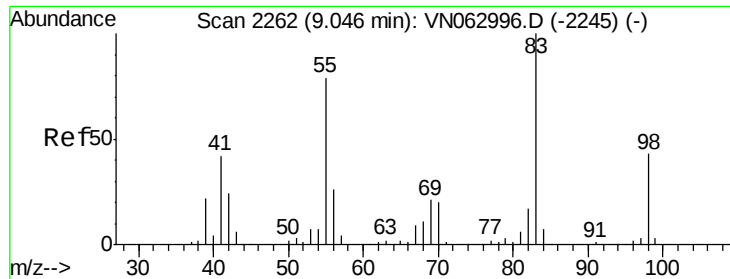
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#38
Carbon Tetrachloride
Concen: 16.707 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	117	119	121	Resp	Lower	Upper
40977	100	93.6	32.7			
		76.2	24.2			
		114.4	36.2			





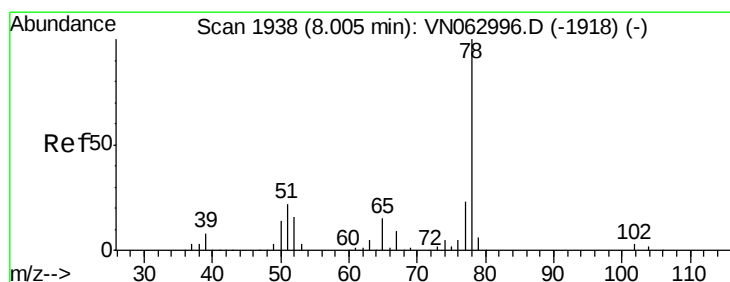
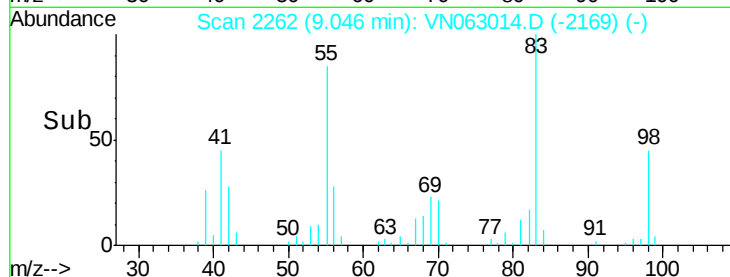
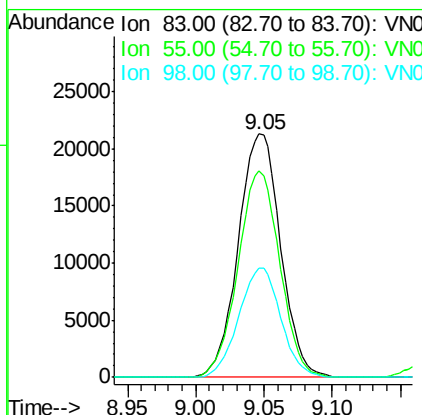
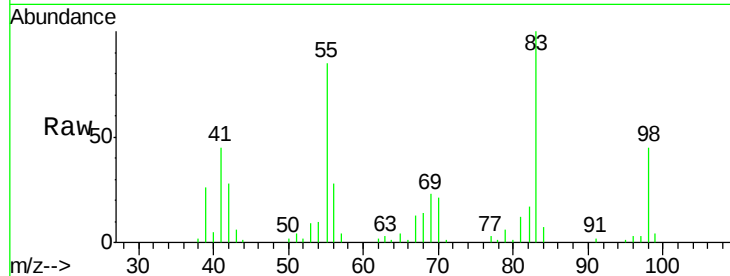
#39
Methvlcvclohexane
Concen: 15.138 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	63.3	94.9
98	45.0	34.2	51.4

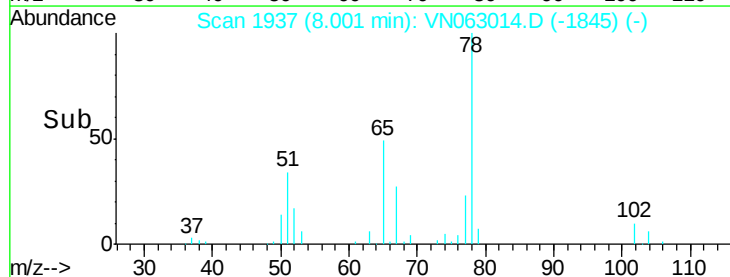
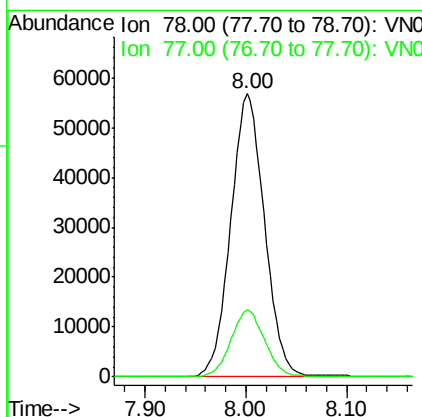
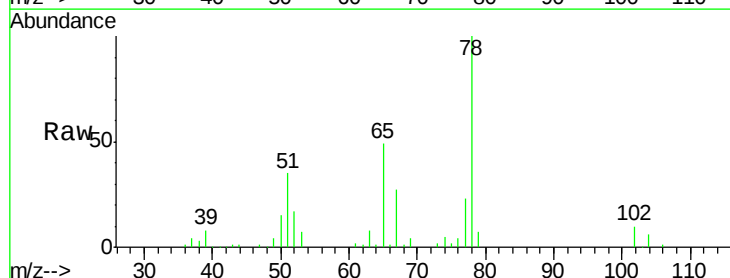
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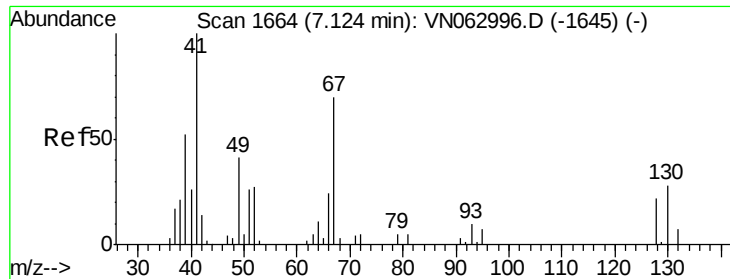
MMDadoda
8/20/2020 10:09:53 AM



#40
Benzene
Concen: 17.157 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





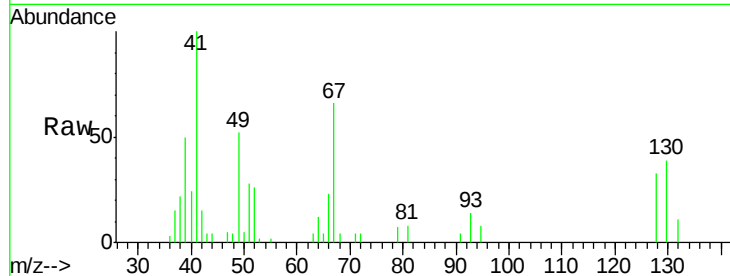
#41
Methacrylonitrile
Concen: 15.890 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.4	41.6	62.4
67	93.9	71.8	107.8
52	38.4	28.2	42.4

Manual Integrations
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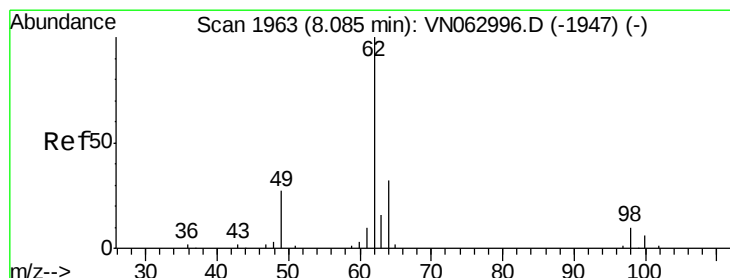
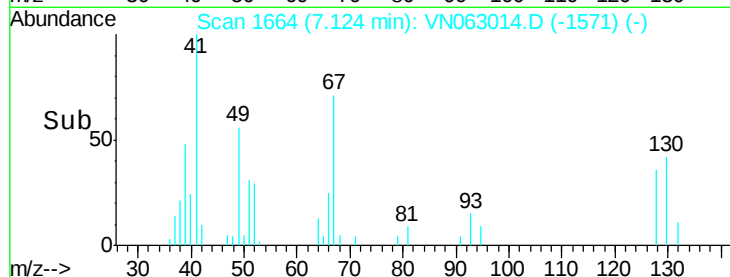
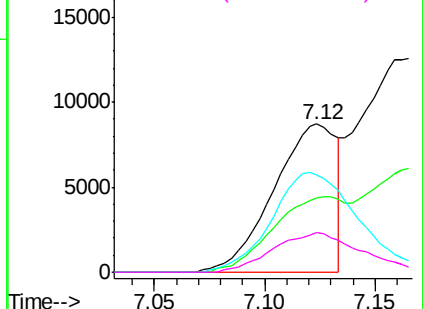
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

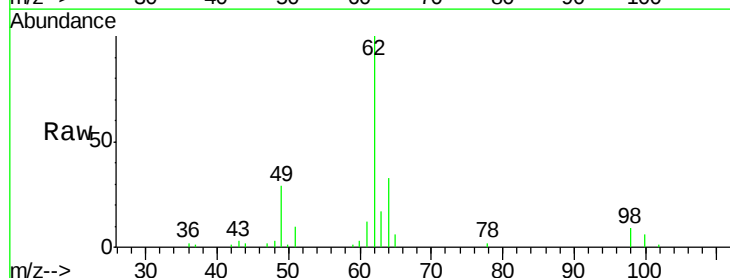
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 18.249 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

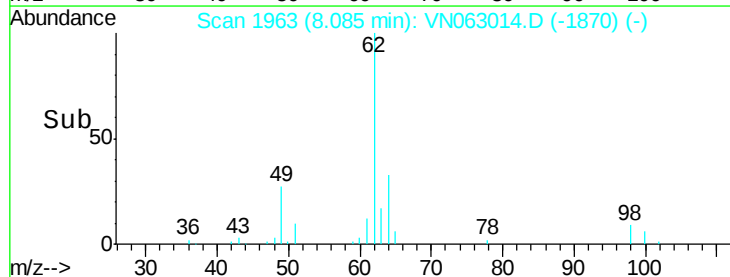
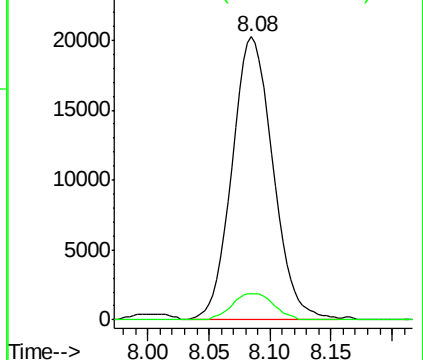
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

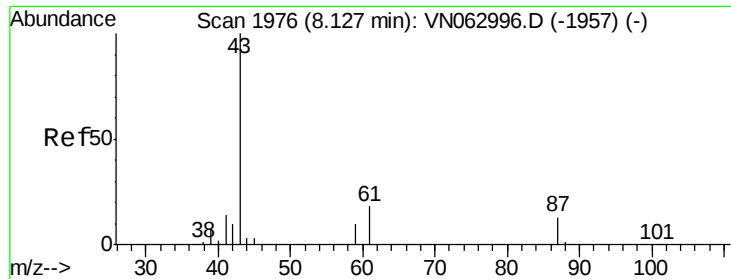


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





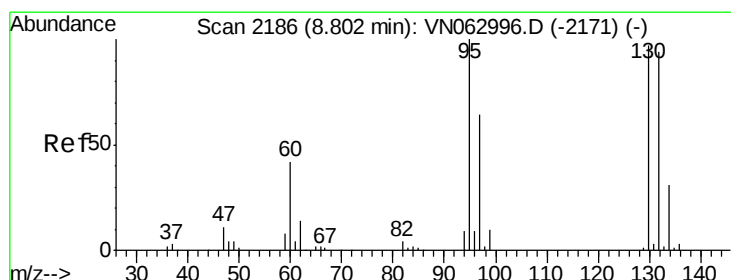
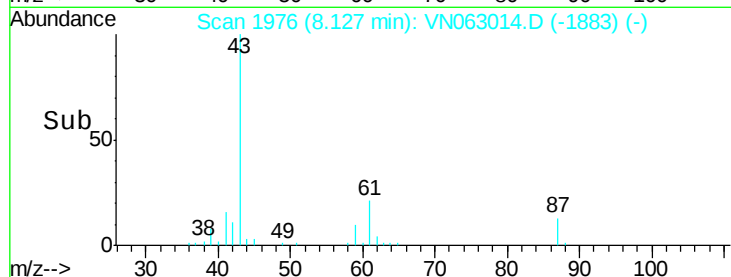
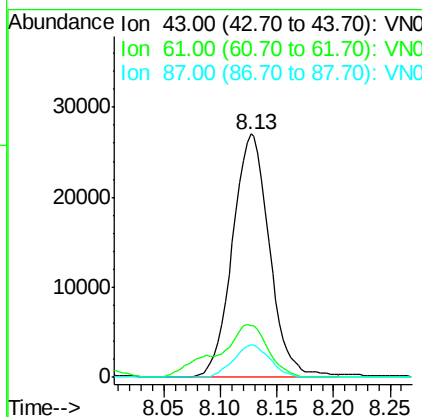
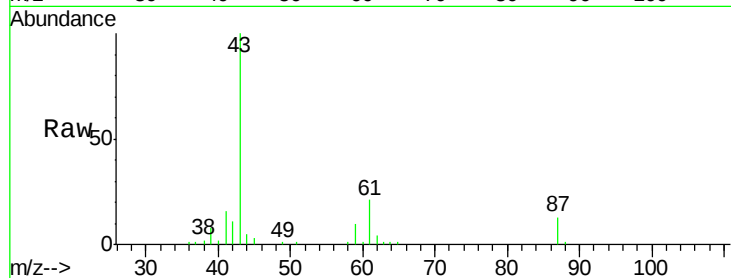
#43
Isopropyl Acetate
Concen: 16.330 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	22.6	33.8#
87	13.0	10.5	15.7

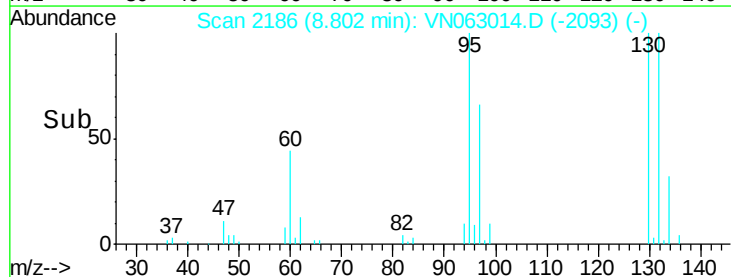
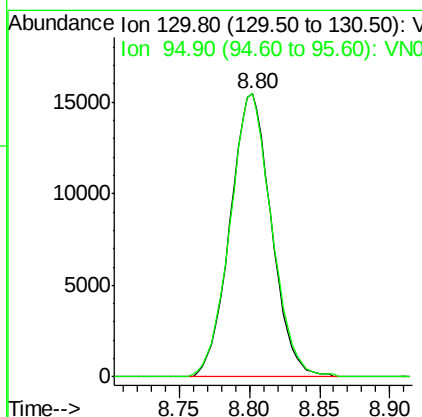
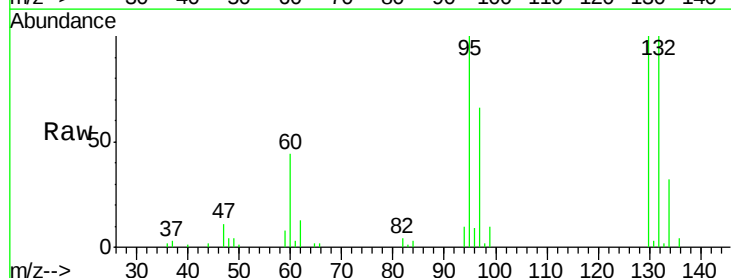
Manual Integrations
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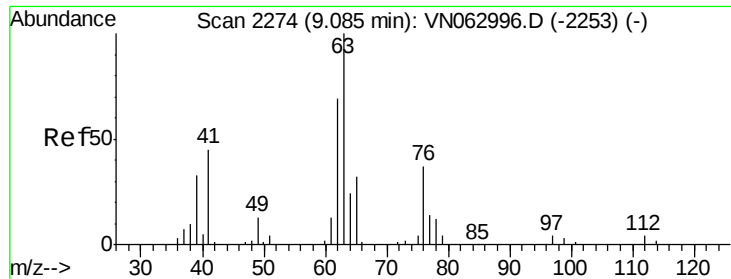
MMDadoda
8/20/2020 10:09:53 AM



#44
Trichloroethene
Concen: 16.452 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	205.6





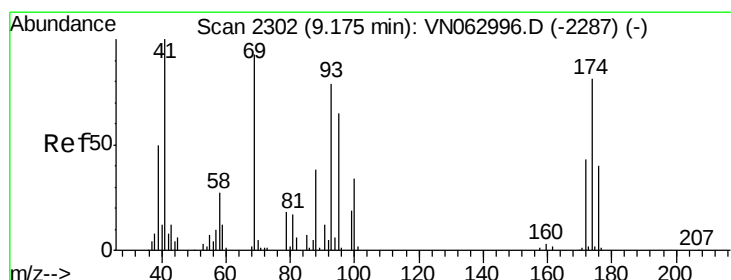
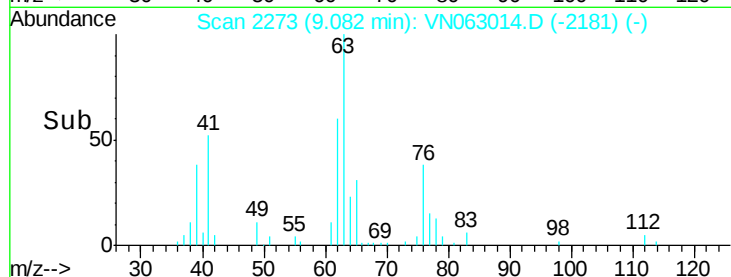
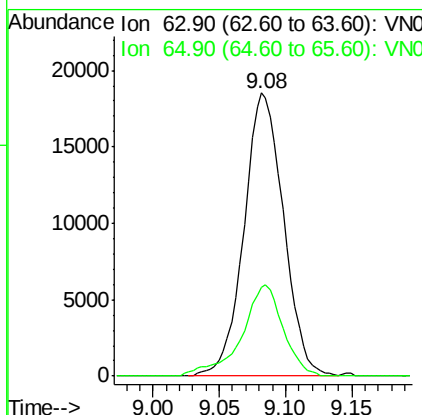
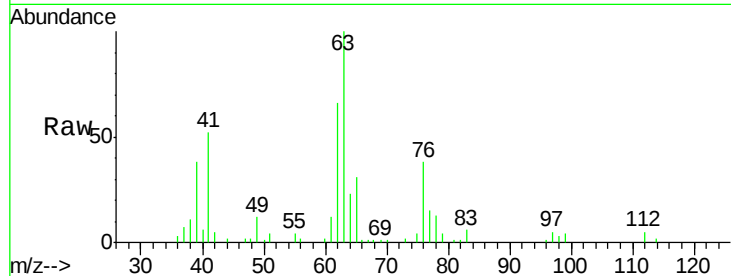
#45
 1,2-Dichloropropane
 Concen: 17.284 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBS01

Tot Ion: 63 Resp: 38497
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4

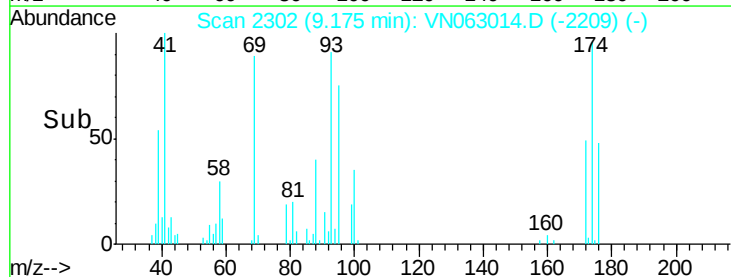
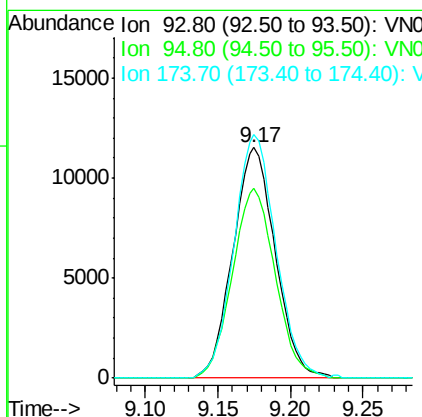
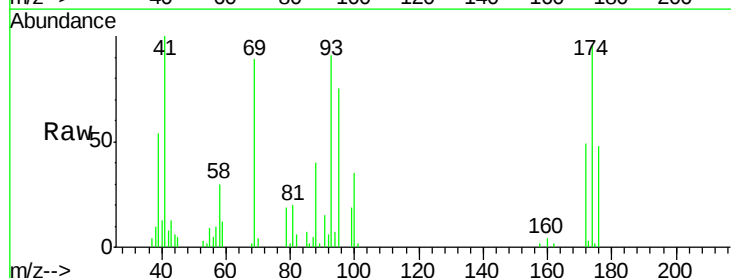
Manual Integrations
 APPROVED

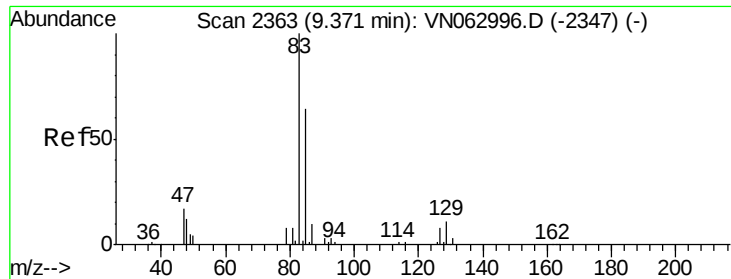
MMDadoda
 8/20/2020 10:09:53 AM



#46
 Dibromomethane
 Concen: 18.248 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Tgt Ion: 93 Resp: 23479
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.2 99.4
 174 104.8 84.6 127.0





#47

Bromodichloromethane

Concen: 17.498 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

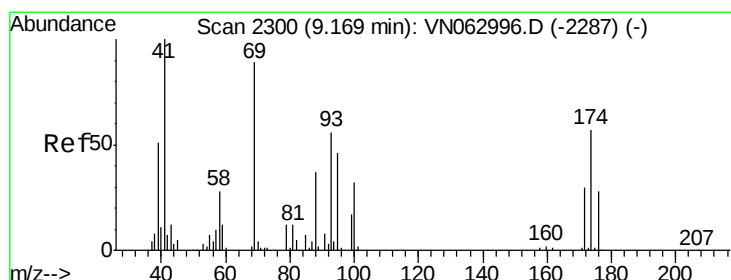
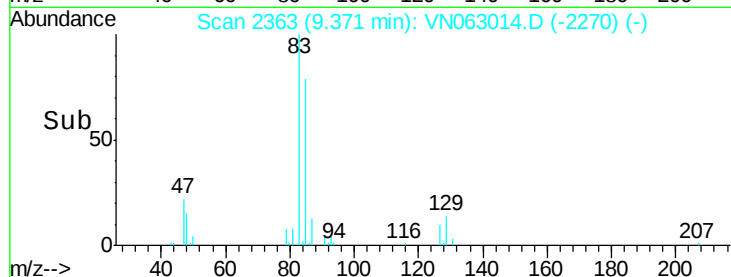
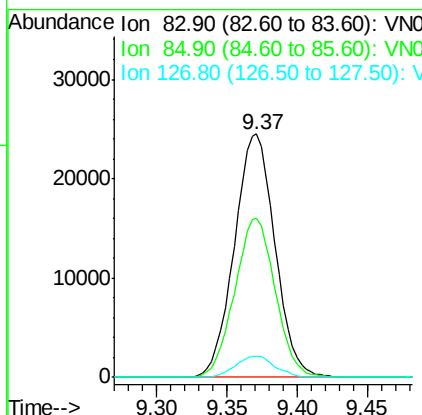
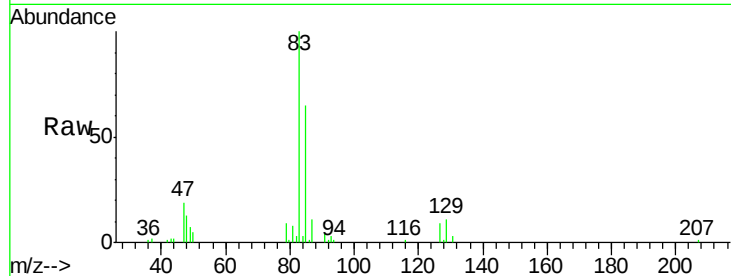
ClientSampleId :

VN0819MBS01

Tot Ion:	83	Resp:	49312
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.1	76.7
127	8.6	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:53 AM



#48

Methyl methacrylate

Concen: 16.639 ug/l

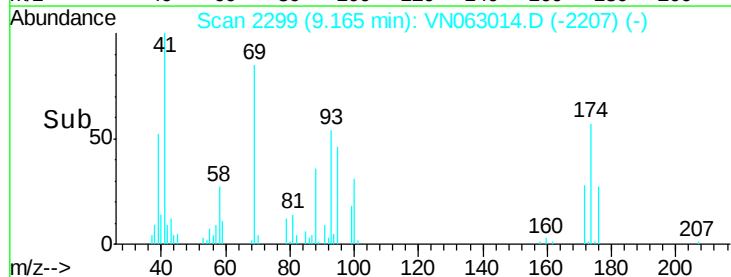
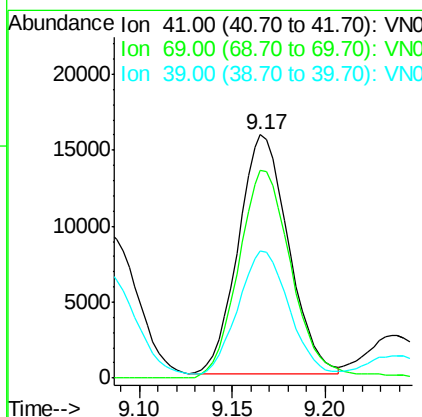
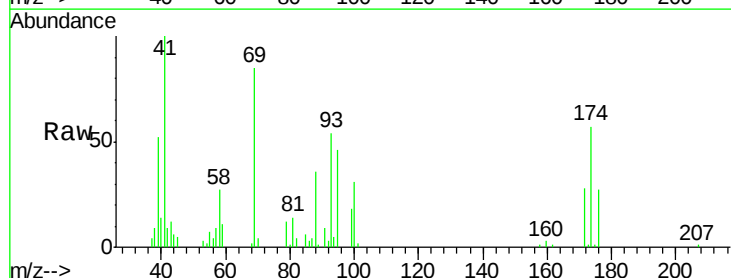
RT: 9.17 min Scan# 2299

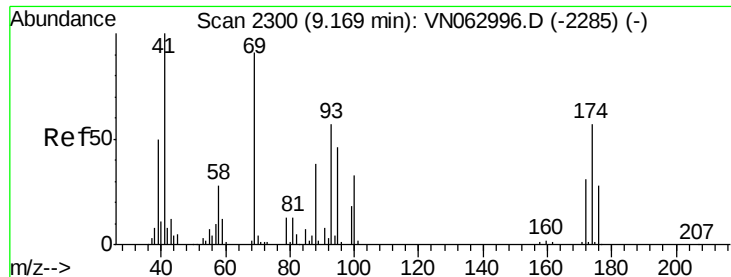
Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Tgt Ion:	41	Resp:	29691
Ion	Ratio	Lower	Upper
41	100		
69	91.7	74.2	111.4
39	55.5	42.5	63.7





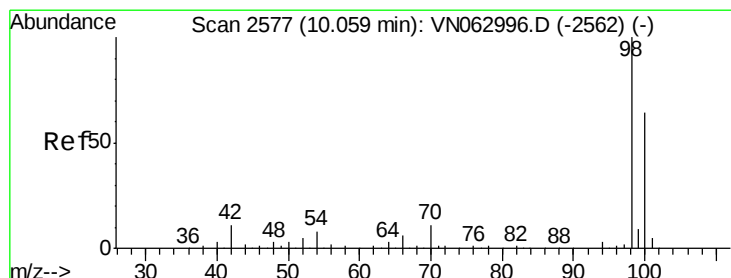
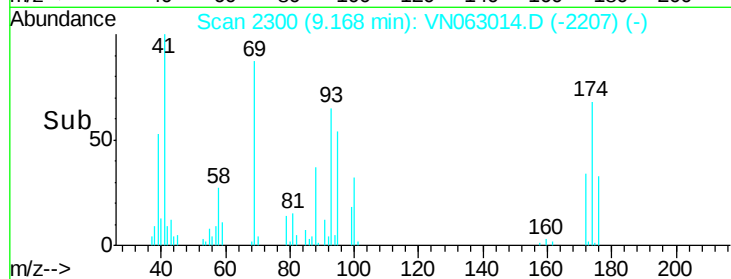
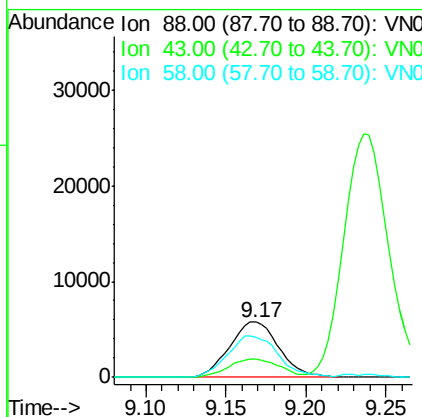
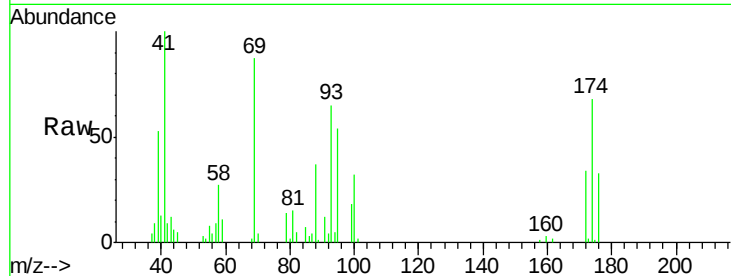
#49
1,4-Dioxane
Concen: 322.446 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	12248		
43	34.2	25.2	37.8	
58	76.7	56.7	85.1	

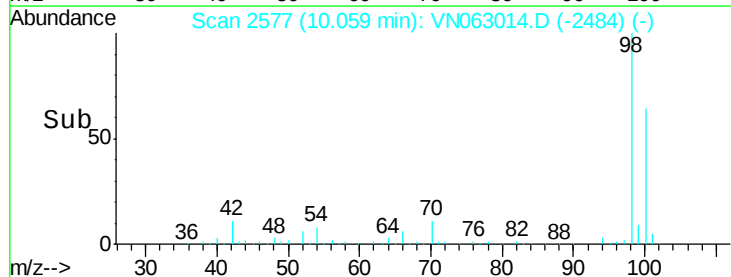
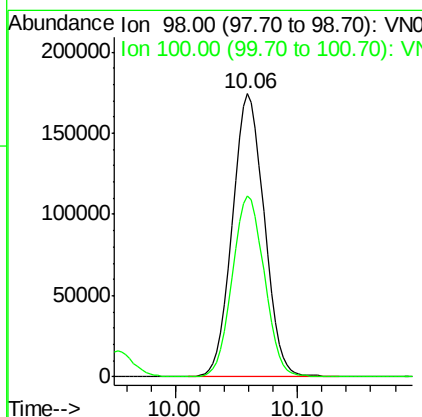
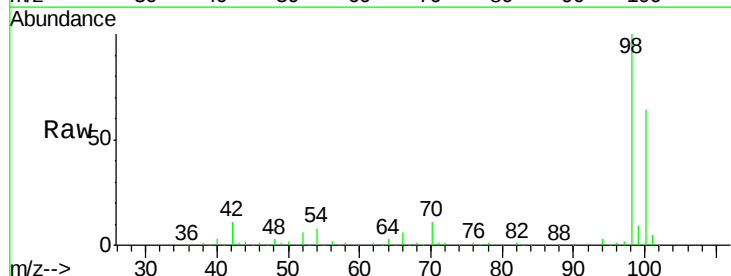
Manual Integrations
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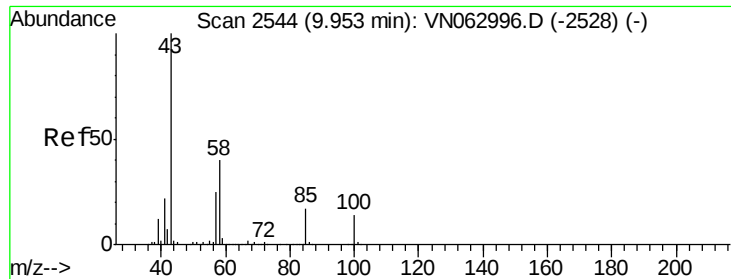
MMDadoda
8/20/2020 10:09:53 AM



#50
Toluene-d8
Concen: 45.917 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	316814		
100	64.6	51.2	76.8	





#51

4-Methyl-2-Pentanone

Concen: 84.170 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0819MBS01

Tot Ion: 43 Resp: 200642

Ion Ratio Lower Upper

43 100

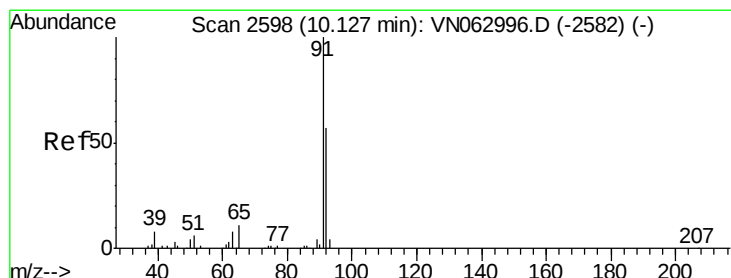
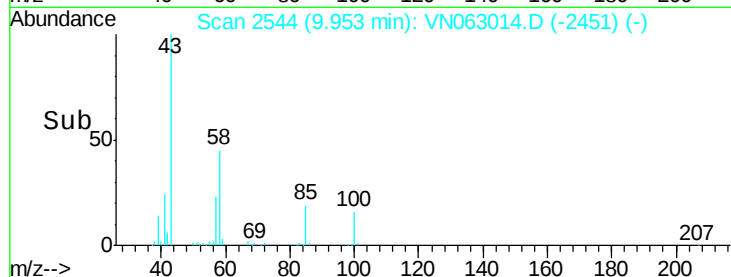
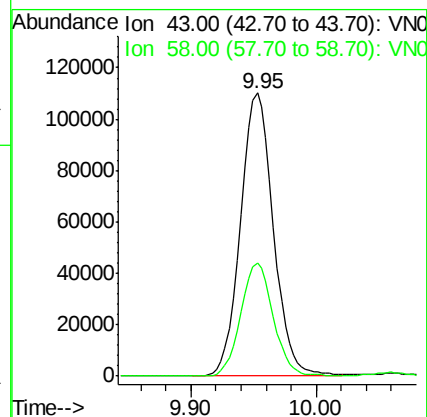
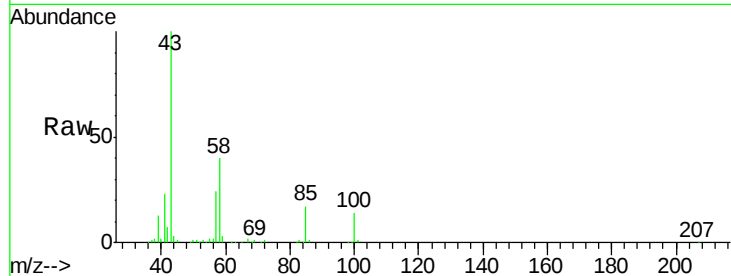
58 39.4 32.2 48.2

Manual Integrations

APPROVED

MMDadoda

8/20/2020 10:09:53 AM



#52

Toluene

Concen: 17.320 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063014.D

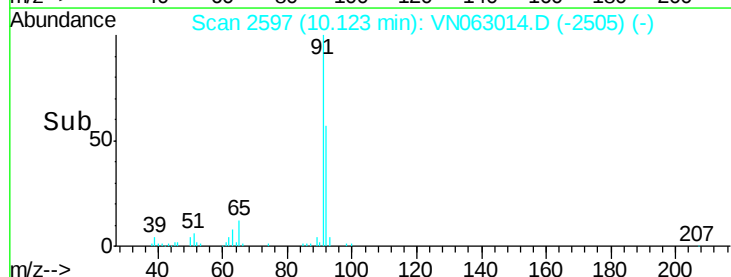
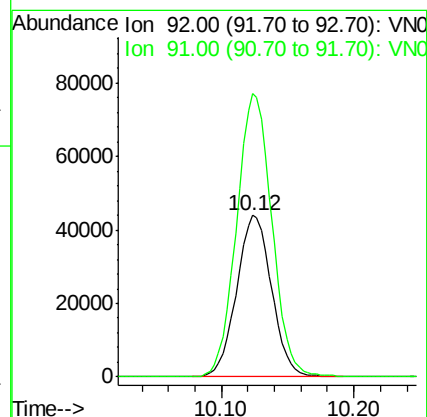
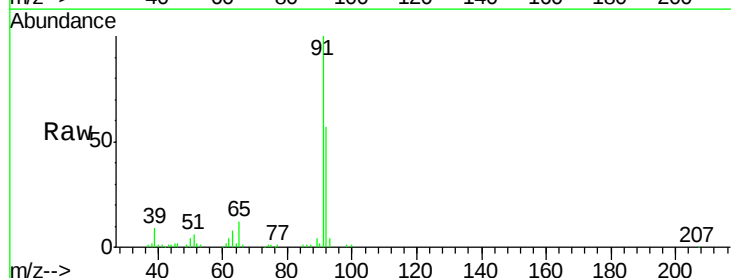
Acq: 19 Aug 2020 15:32

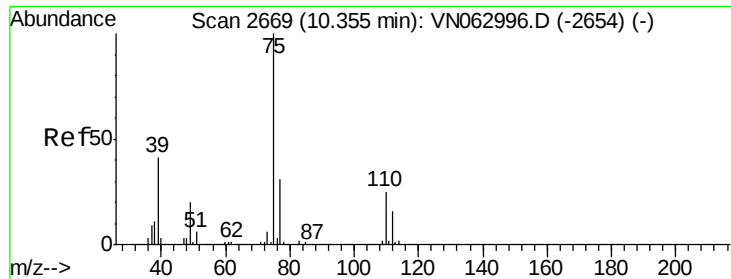
Tgt Ion: 92 Resp: 80507

Ion Ratio Lower Upper

92 100

91 176.6 139.2 208.8





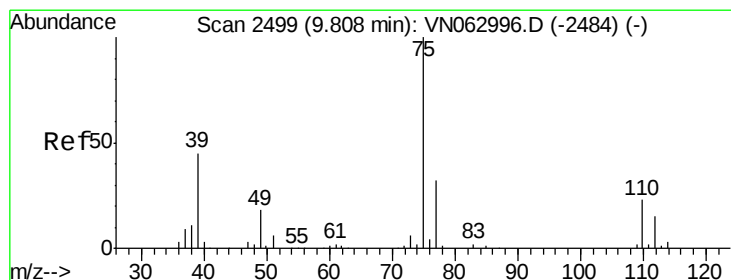
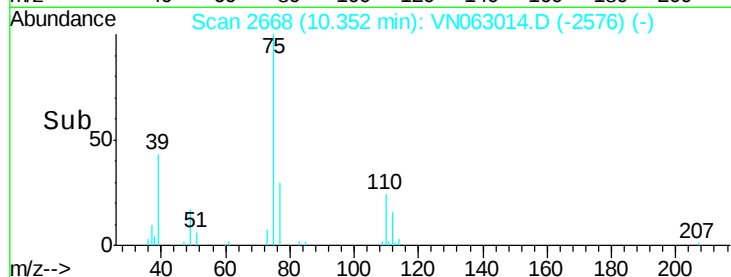
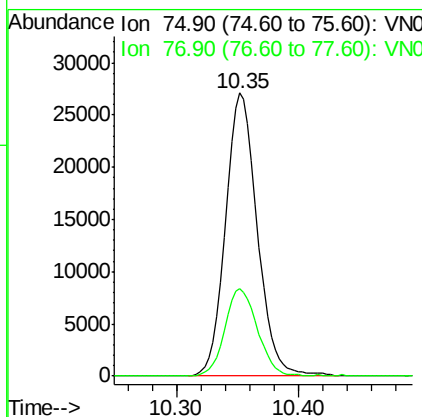
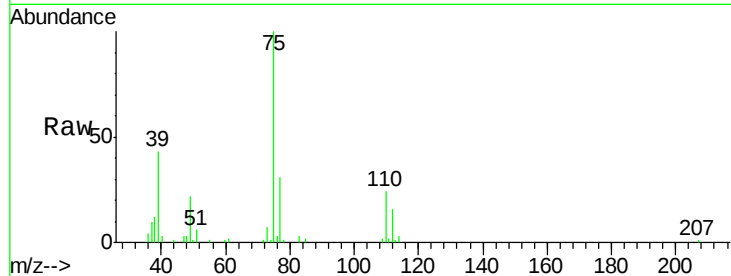
#53
t-1,3-Dichloropropene
Concen: 16.940 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampled :
VN0819MBS01

Tot Ion: 75 Resp: 49368
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0

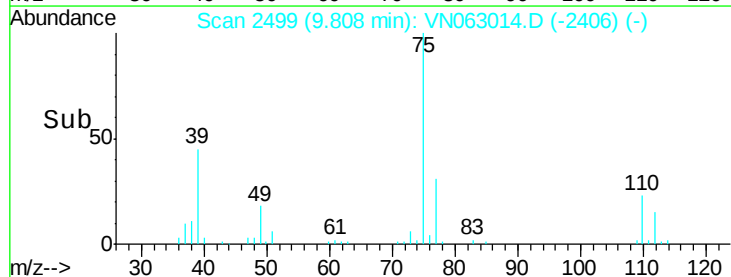
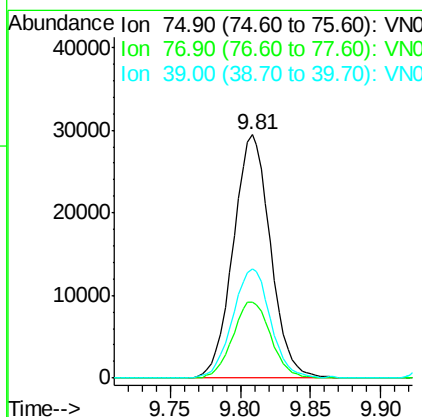
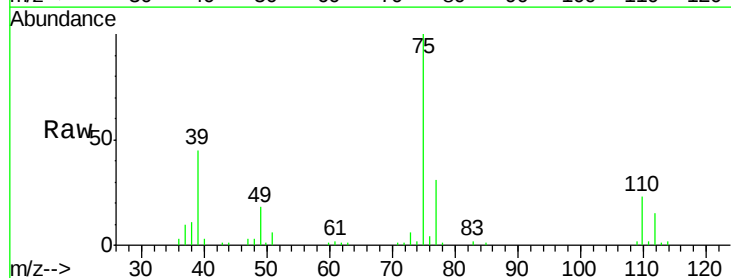
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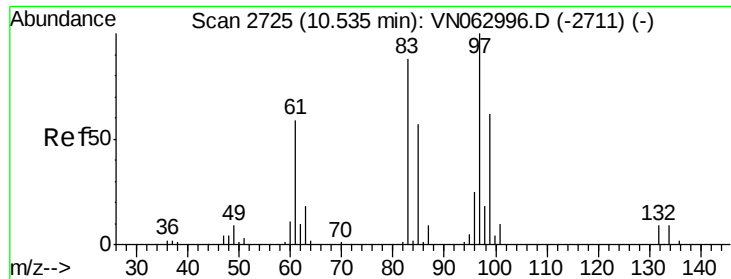
MMDadoda
8/20/2020 10:09:53 AM



#54
cis-1,3-Dichloropropene
Concen: 17.017 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion: 75 Resp: 54404
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2
39 44.8 35.7 53.5





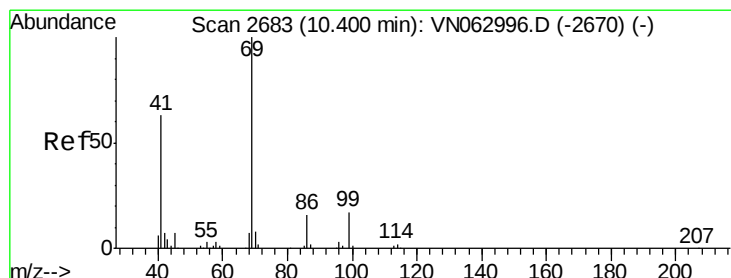
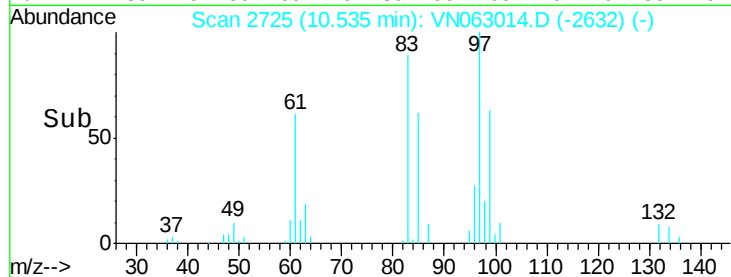
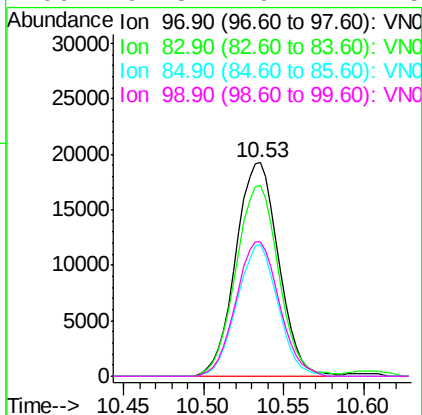
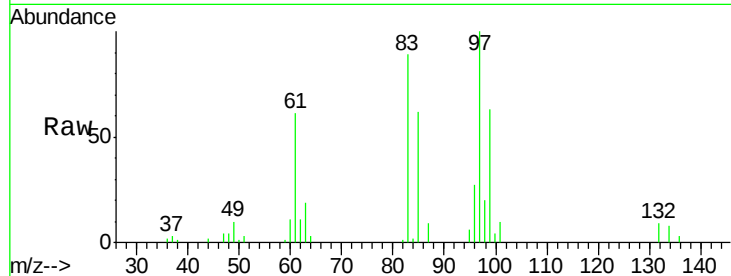
#55
 1,1,2-Trichloroethane
 Concen: 17.730 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		35237		
83	89.4	70.5	105.7		
85	61.6	45.8	68.6		
99	62.8	49.7	74.5		

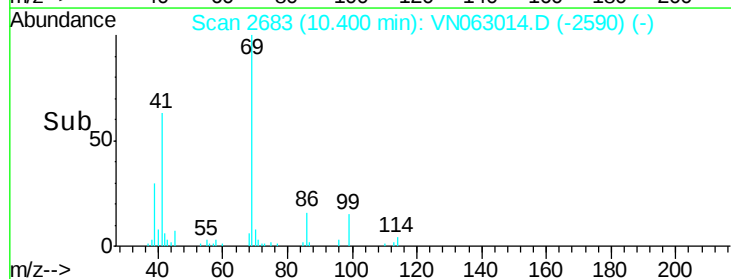
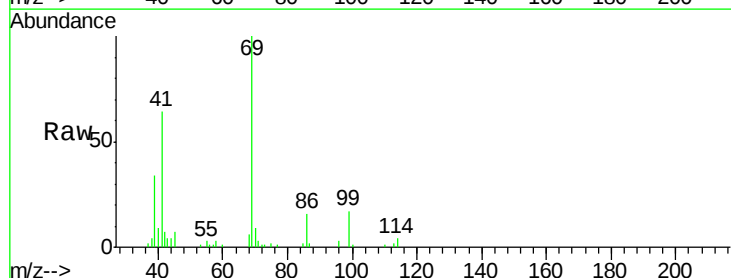
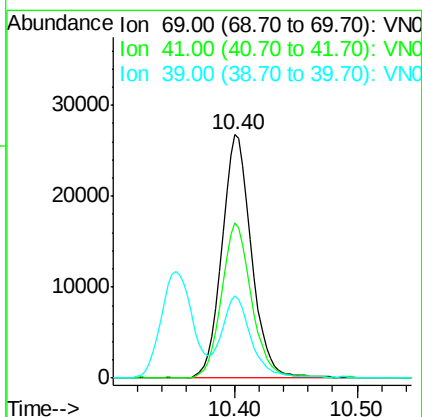
Manual Integrations
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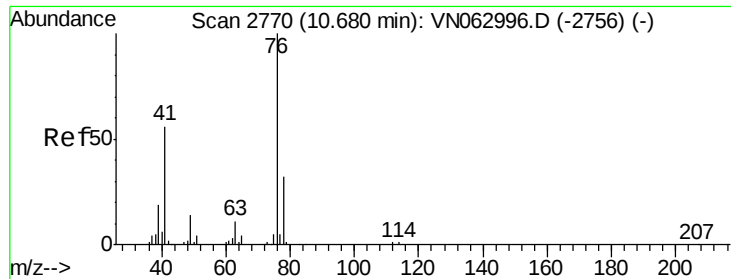
MMDadoda
 8/20/2020 10:09:53 AM



#56
 Ethyl methacrylate
 Concen: 16.093 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		45646		
41	64.9	50.2	75.2		
39	32.3	24.2	36.4		





#57

1,3-Dichloropropane

Concen: 17.696 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0819MBS01

Tot Ion: 76 Resp: 58401

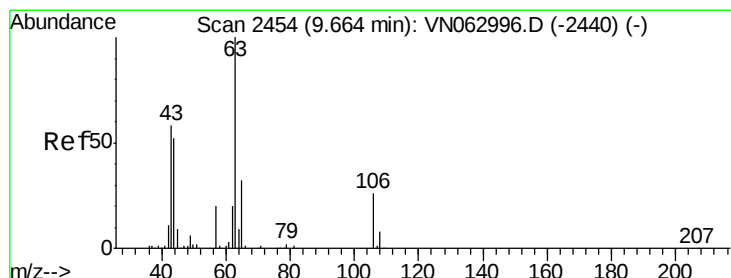
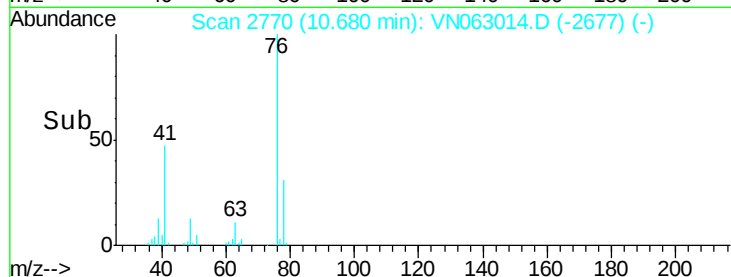
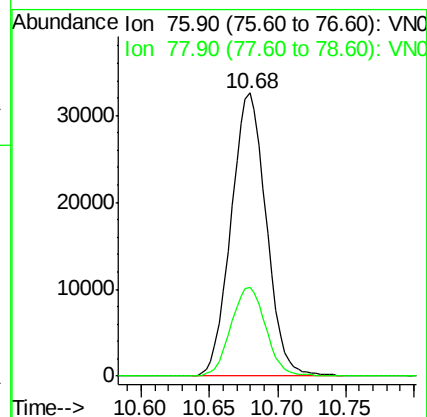
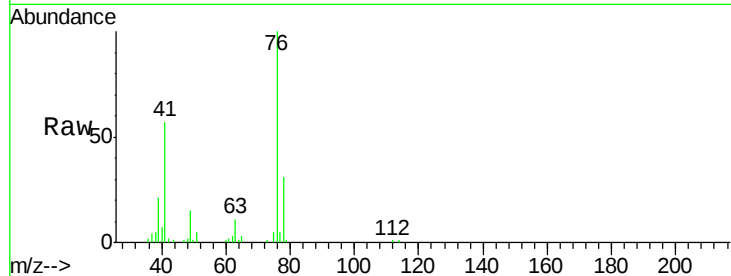
Ion Ratio Lower Upper

76 100

78 31.0 26.1 39.1

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:53 AM



#58

2-Chloroethyl Vinyl ether

Concen: 72.062 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063014.D

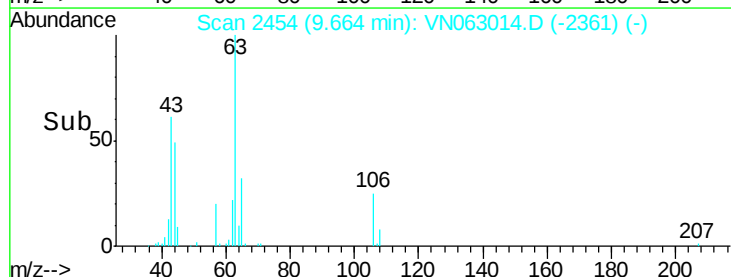
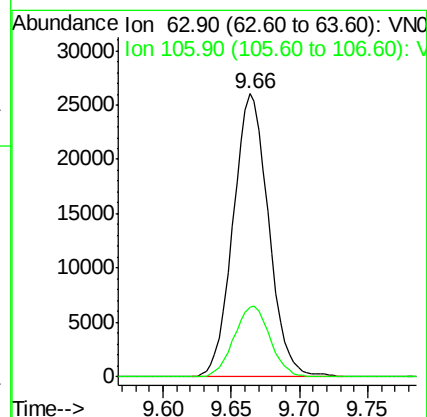
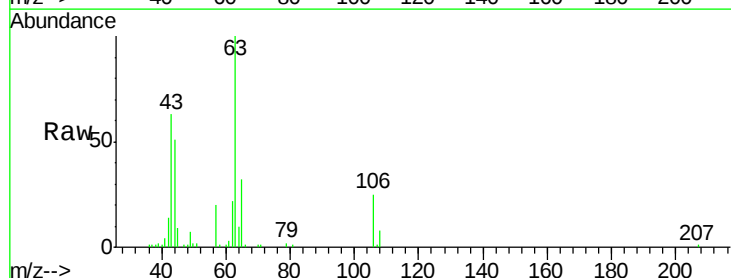
Acq: 19 Aug 2020 15:32

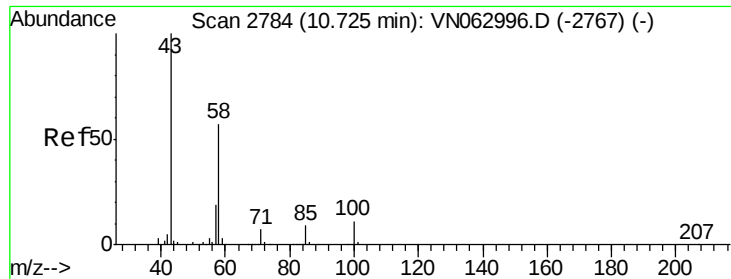
Tgt Ion: 63 Resp: 46965

Ion Ratio Lower Upper

63 100

106 25.3 20.7 31.1





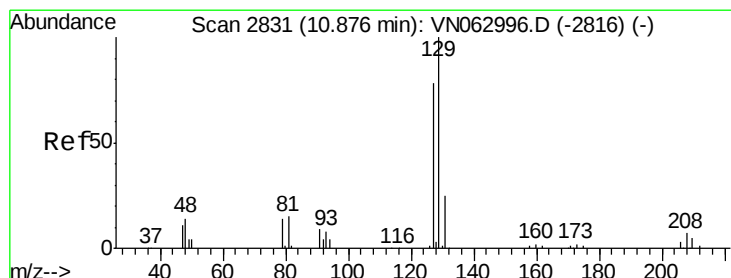
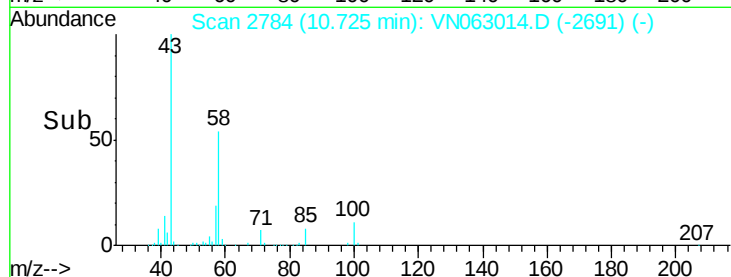
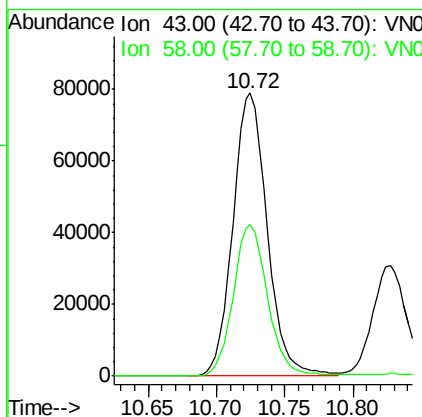
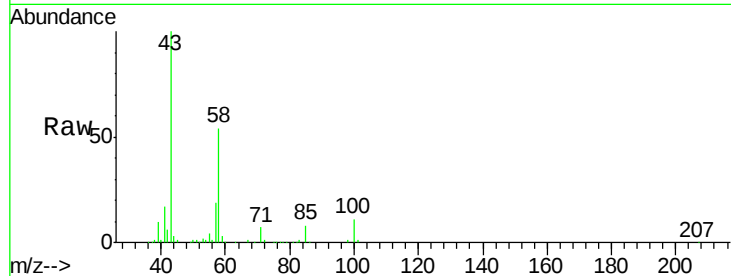
#59
2-Hexanone
Concen: 82.984 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	28.1	84.3

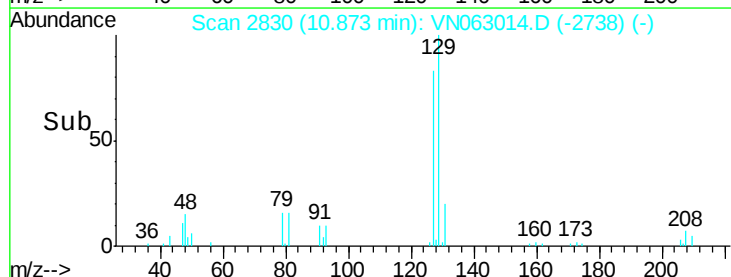
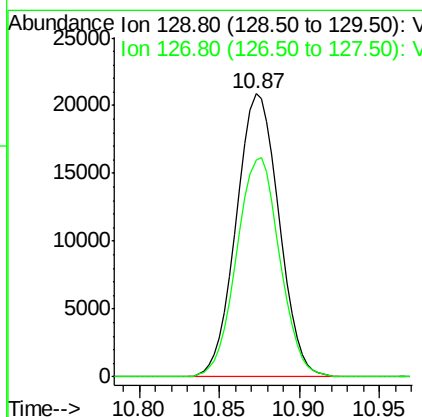
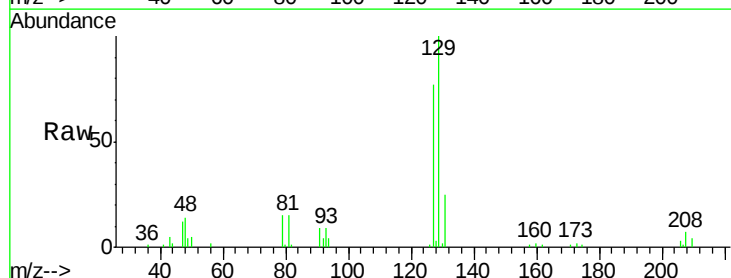
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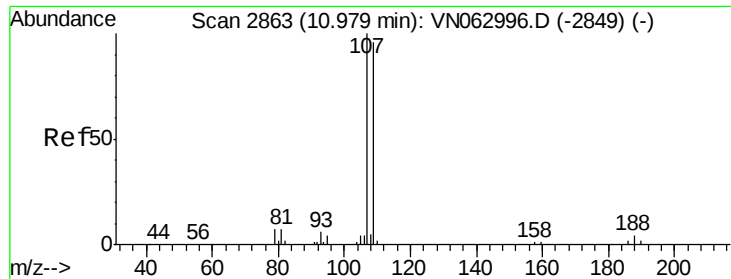
MMDadoda
8/20/2020 10:09:53 AM



#60
Dibromochloromethane
Concen: 17.323 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.4	115.2





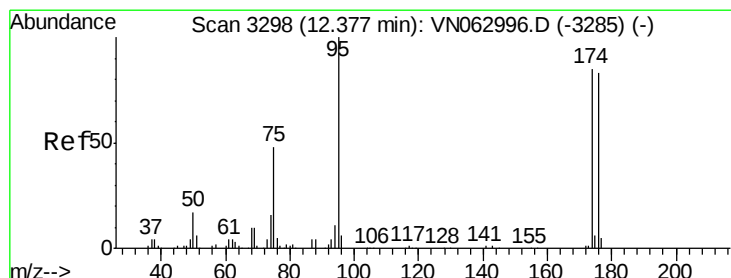
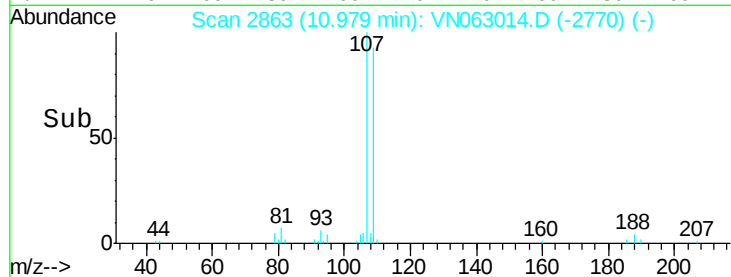
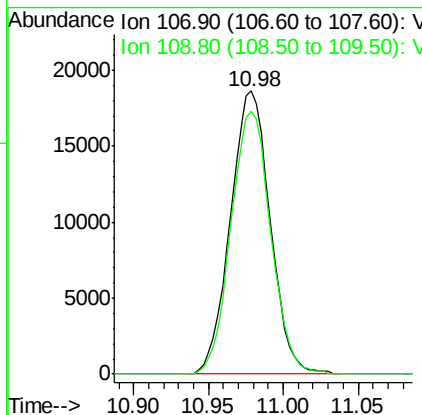
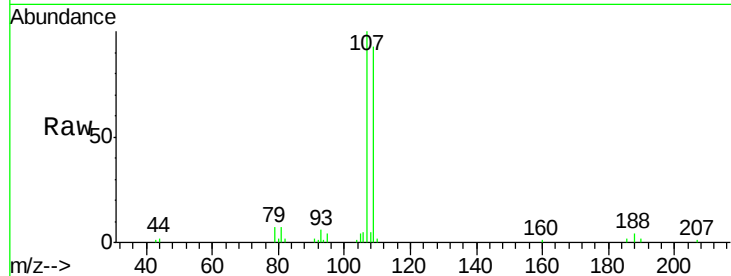
#61
 1,2-Dibromoethane
 Concen: 18.025 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.7	113.5

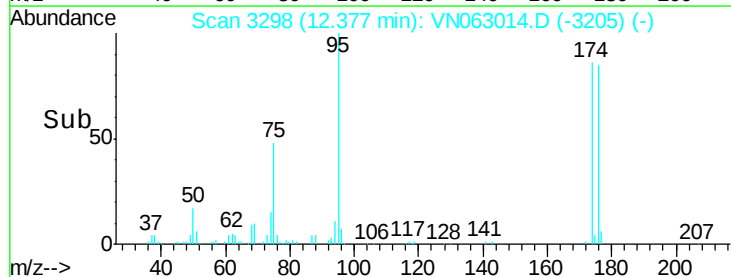
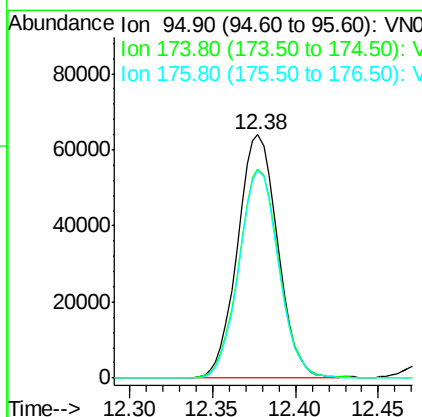
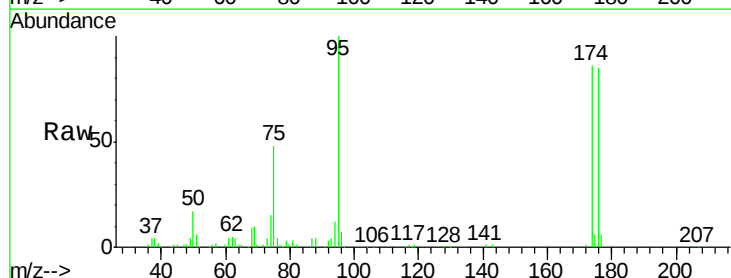
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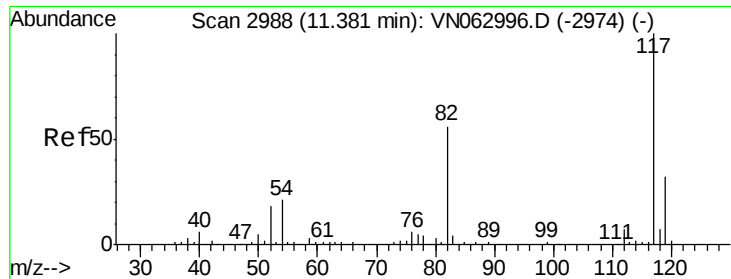
MMDadoda
 8/20/2020 10:09:53 AM



#62
 4-Bromofluorobenzene
 Concen: 44.427 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	170.8
176	83.9	0.0	164.8





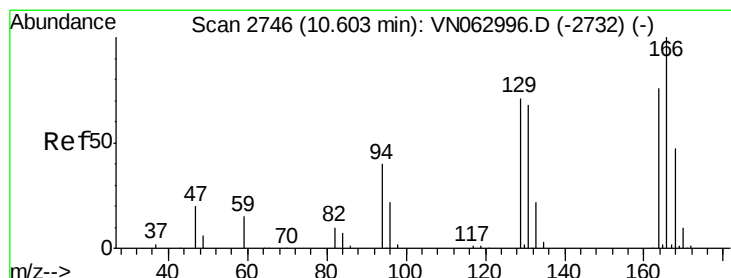
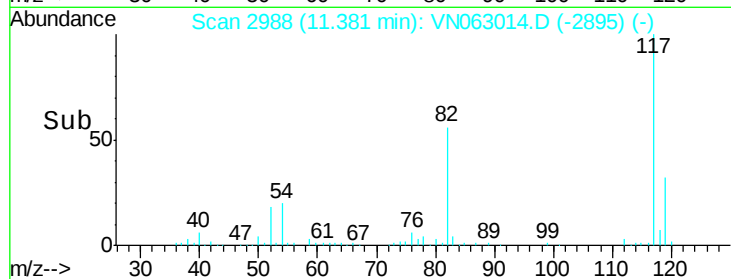
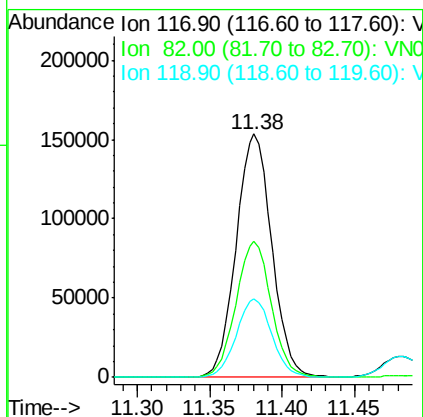
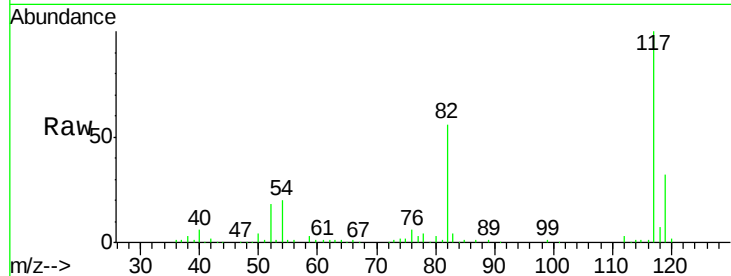
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.5	66.7
119	32.2	25.5	38.3

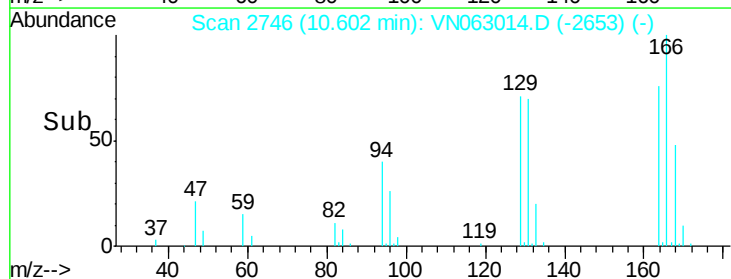
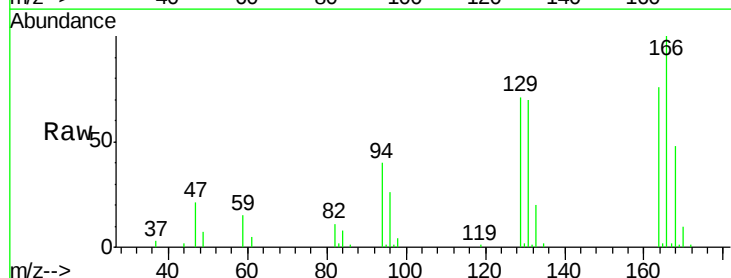
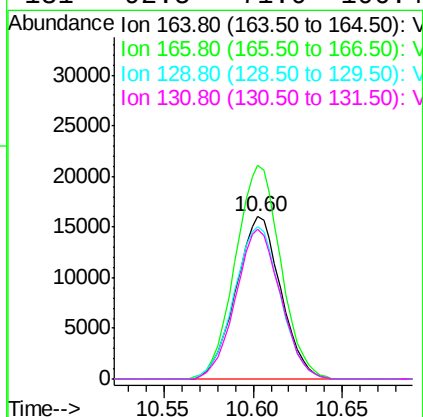
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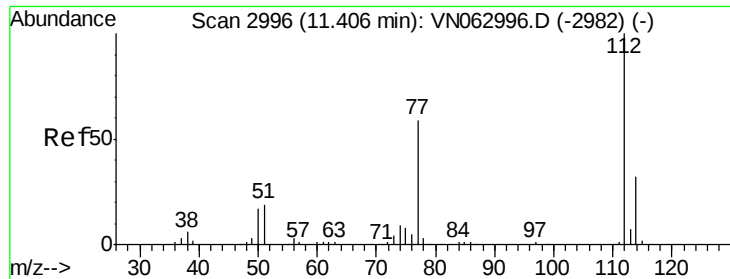
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#64
Tetrachloroethene
Concen: 16.392 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	105.0	157.6
129	94.0	74.7	112.1
131	92.5	71.0	106.4





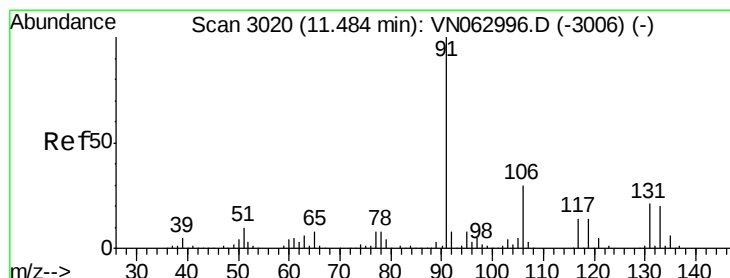
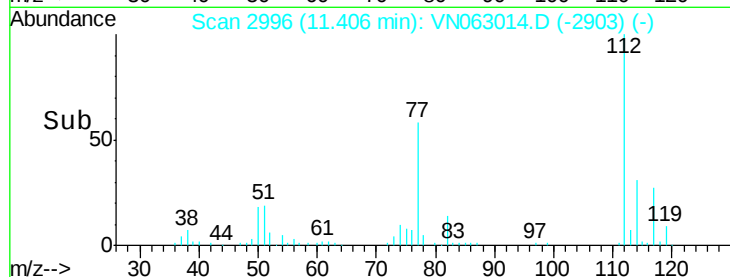
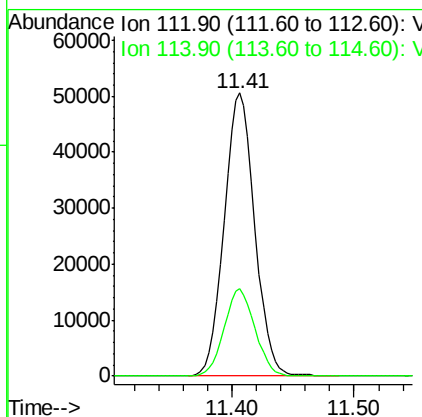
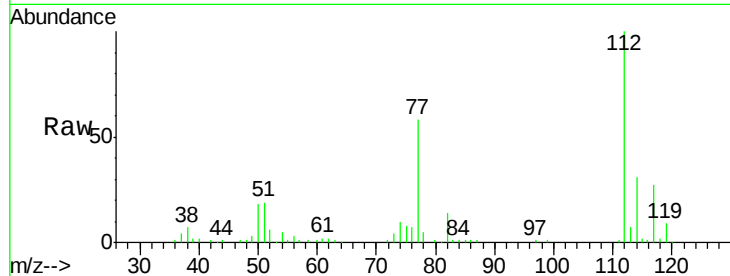
#65
Chlorobenzene
Concen: 16.795 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion:112 Resp: 88569
Ion Ratio Lower Upper
112 100
114 30.7 25.3 37.9

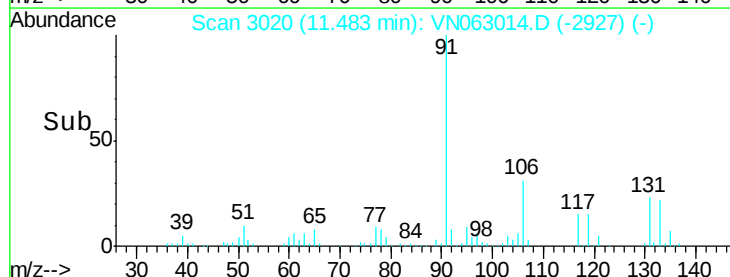
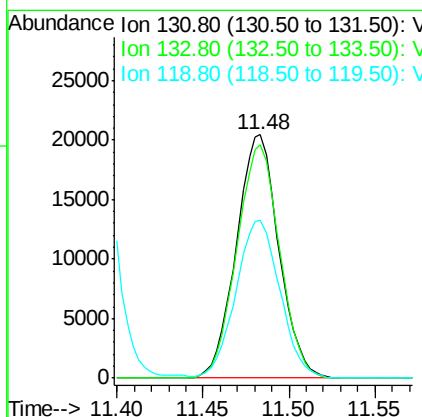
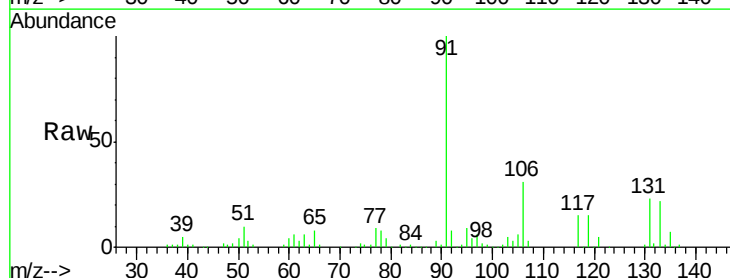
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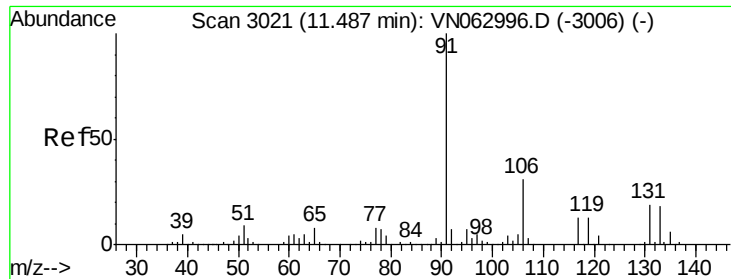
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.073 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion:131 Resp: 35021
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.6
119 67.3 33.1 99.3





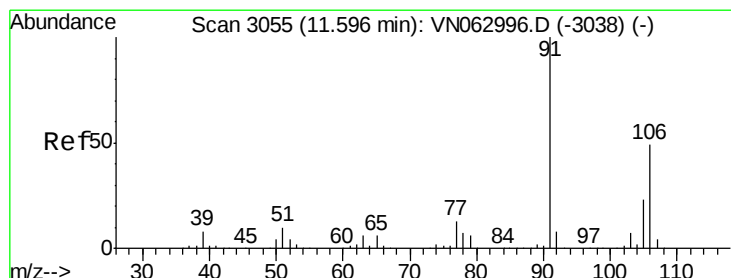
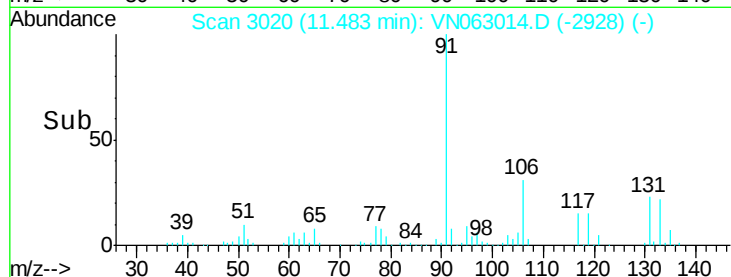
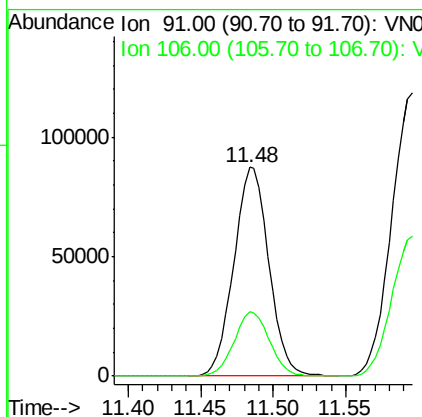
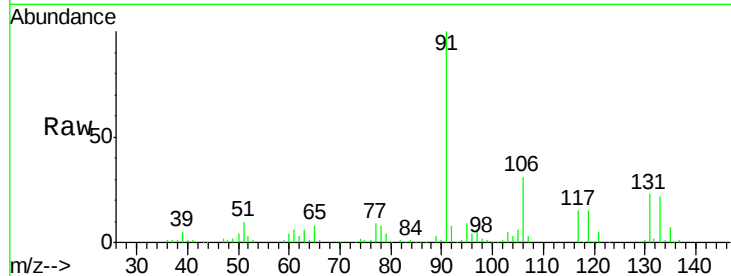
#67
Ethyl Benzene
Concen: 16.435 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampled :
VN0819MBS01

Tot Ion: 91 Resp: 146444
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0

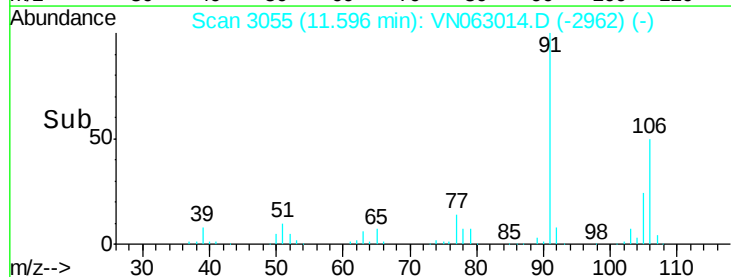
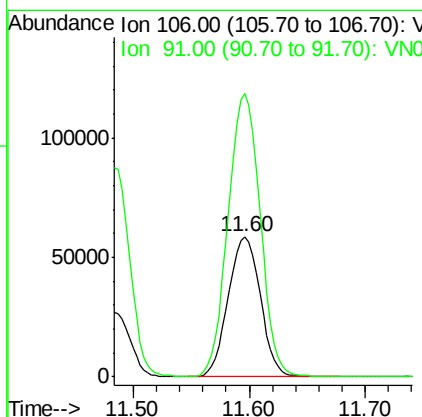
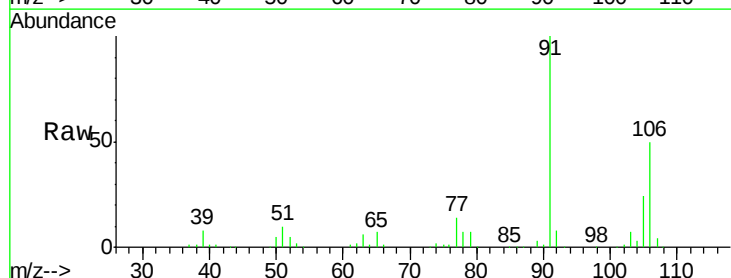
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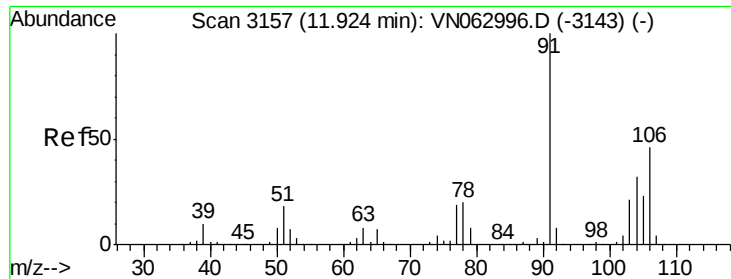
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#68
m/p-Xylenes
Concen: 34.101 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion: 106 Resp: 112936
Ion Ratio Lower Upper
106 100
91 201.0 163.0 244.4





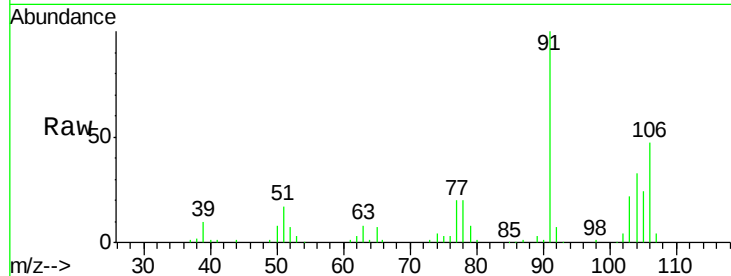
#69
o-Xylene
Concen: 16.427 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

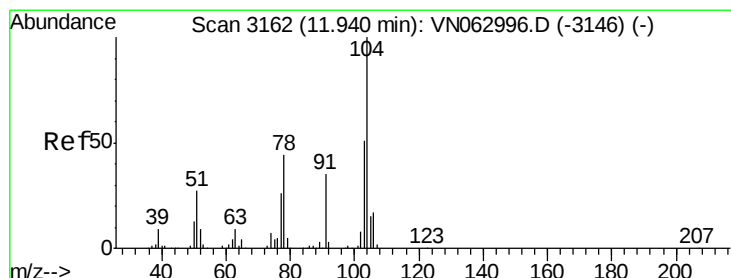
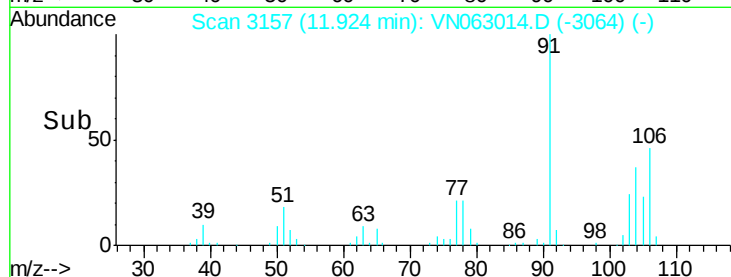
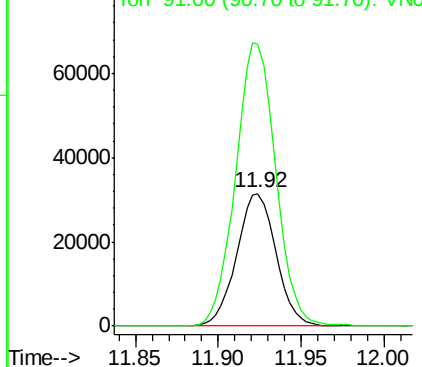
Tot Ion:106 Resp: 52242
Ion Ratio Lower Upper
106 100
91 217.0 107.3 321.9

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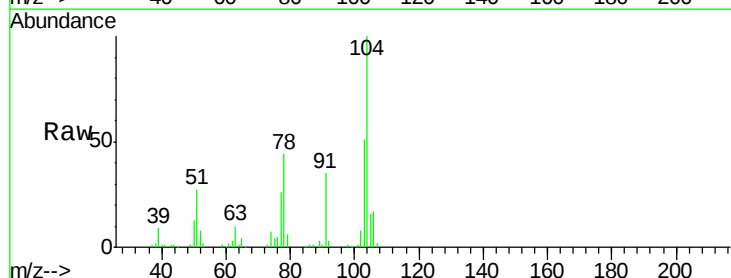


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

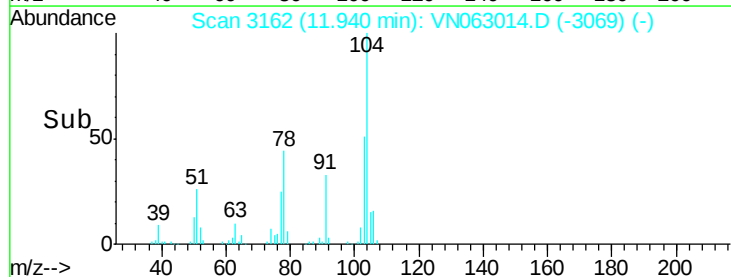
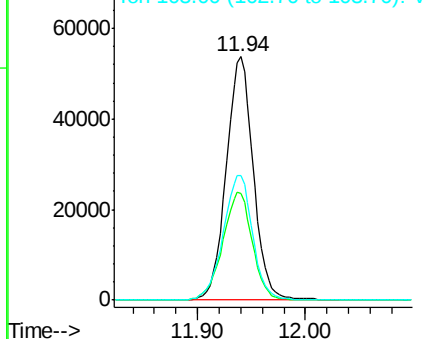


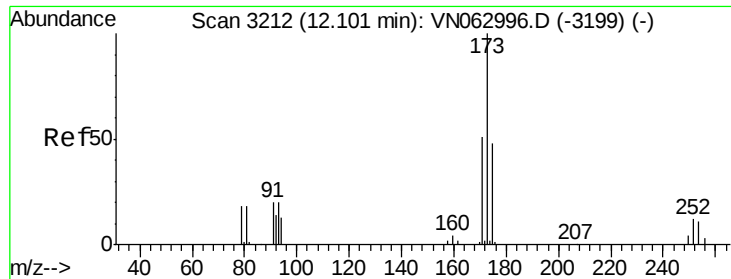
#70
Styrene
Concen: 16.249 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion:104 Resp: 94025
Ion Ratio Lower Upper
104 100
78 48.1 39.0 58.6
103 55.4 44.3 66.5



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





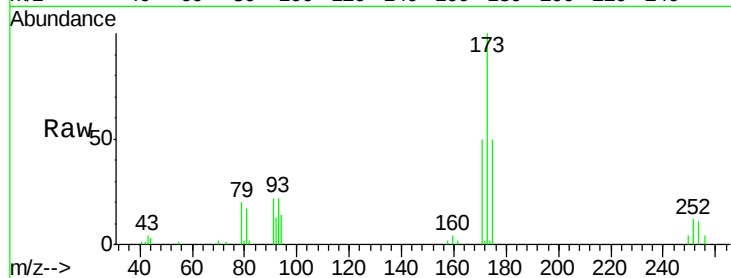
#71
Bromoform
Concen: 17.007 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.3	72.8
254	0.0	0.0	0.0

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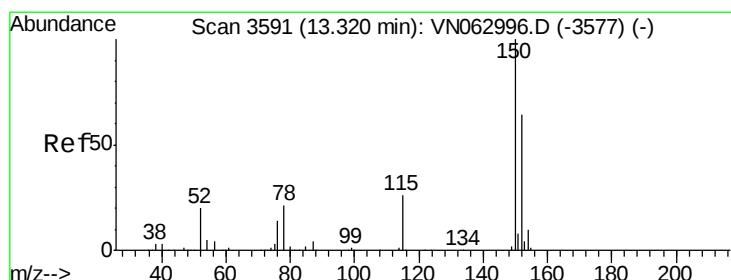
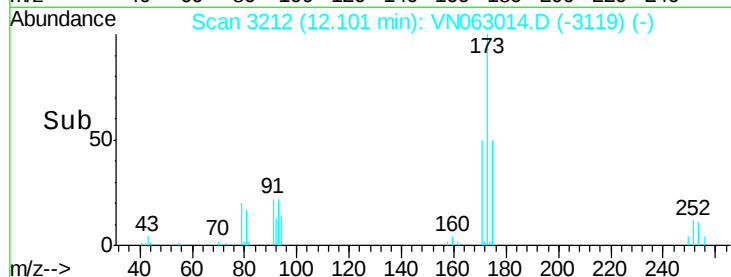
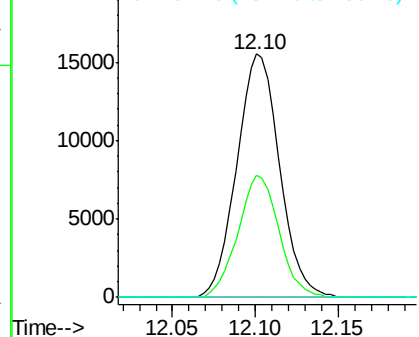


Abundance

Ion 172.70 (172.40 to 173.40): V

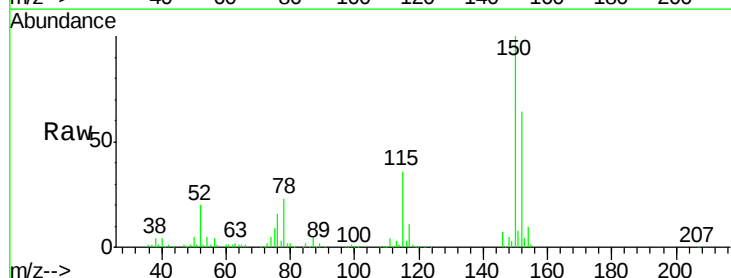
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.7	86.3
150	161.0	0.0	348.8

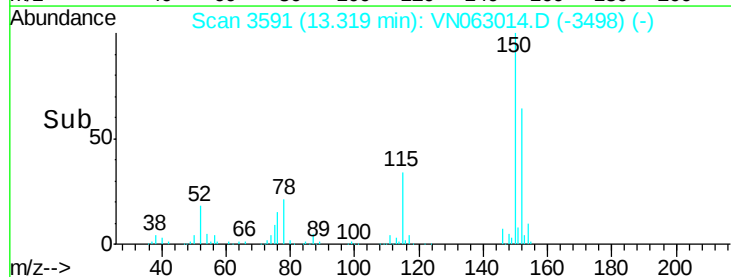
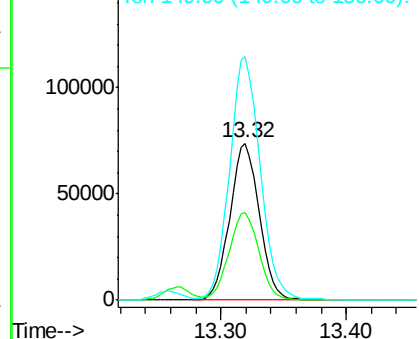


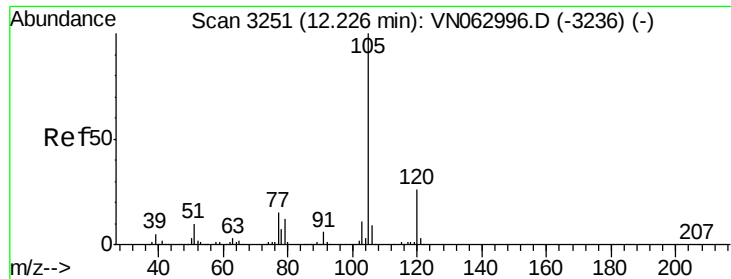
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.079 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0819MBS01

Tot Ion:105 Resp: 140727

Ion Ratio Lower Upper

105 100

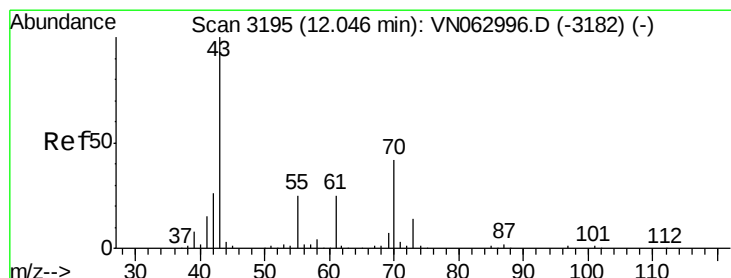
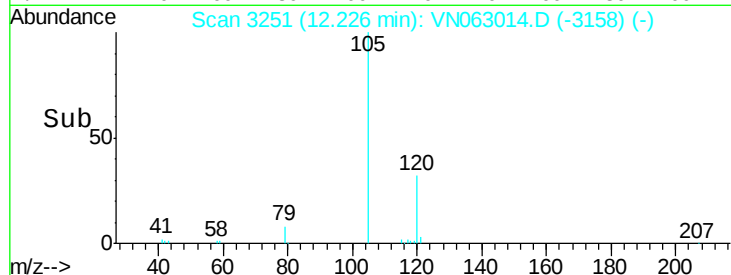
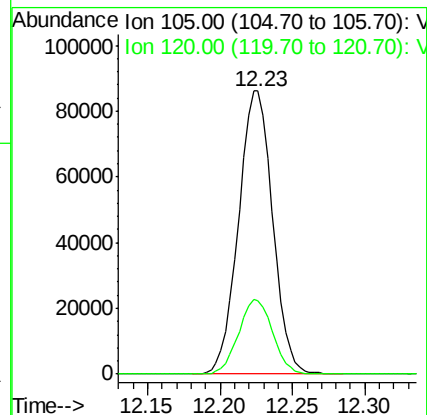
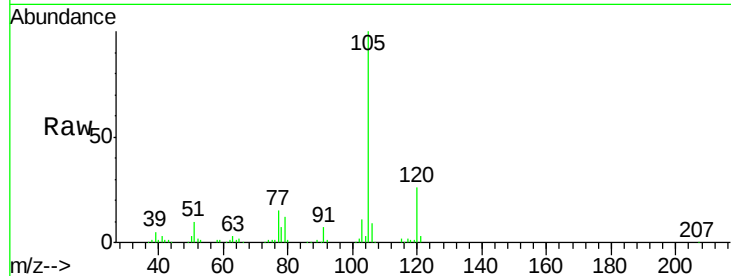
120 26.3 13.2 39.6

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#74

N-ethyl acetate

Concen: 17.215 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Tgt Ion: 43 Resp: 50804

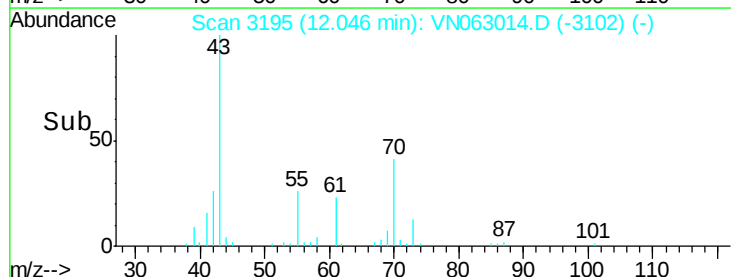
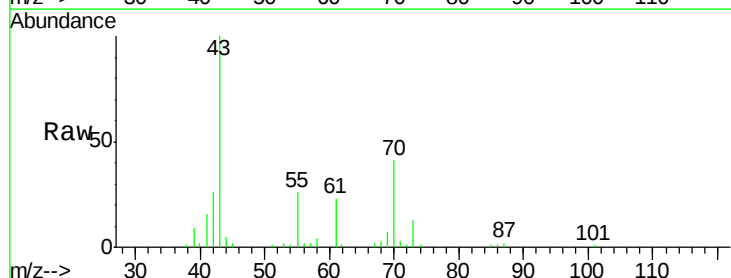
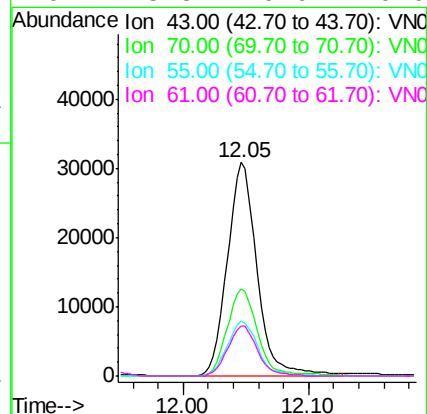
Ion Ratio Lower Upper

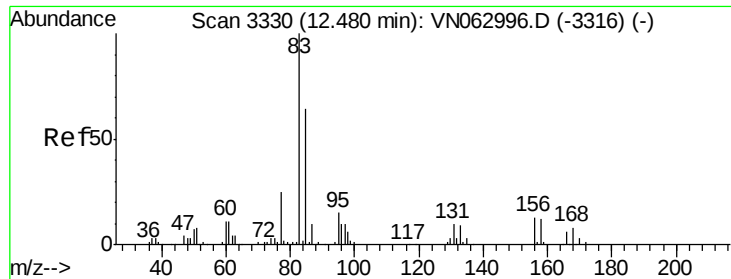
43 100

70 41.8 33.4 50.0

55 26.1 20.2 30.2

61 23.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 17.609 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

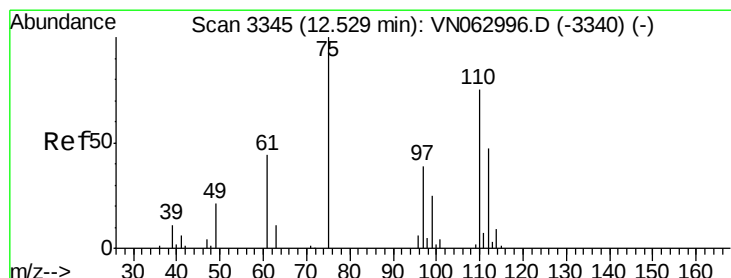
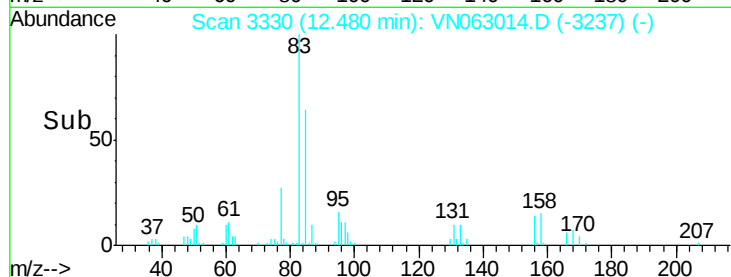
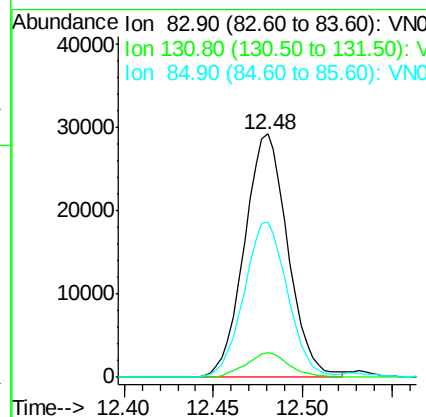
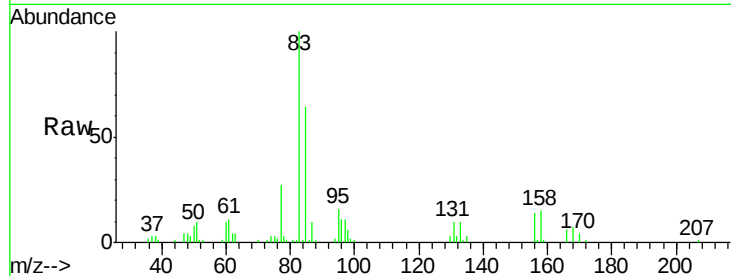
ClientSampleId :

VN0819MBS01

Tot Ion:	83	Resp:	49721
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	64.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.023 ug/l m

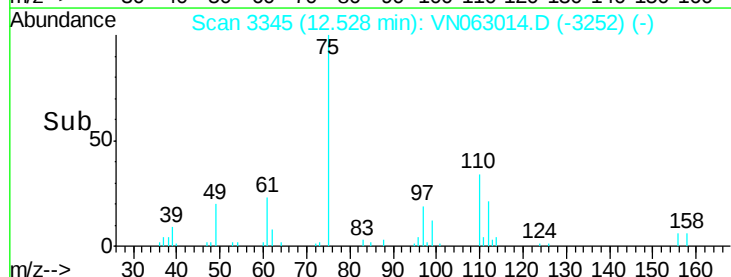
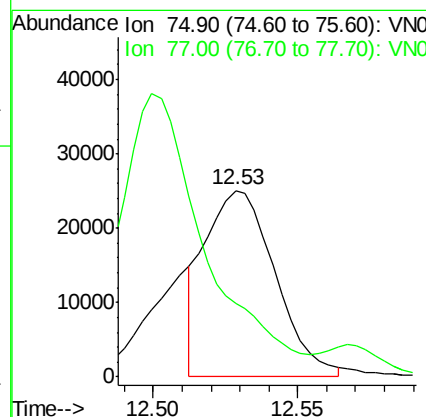
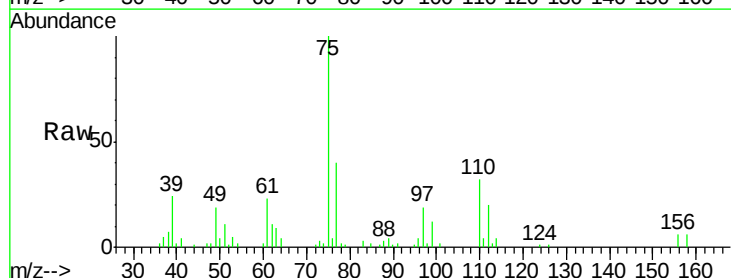
RT: 12.53 min Scan# 3345

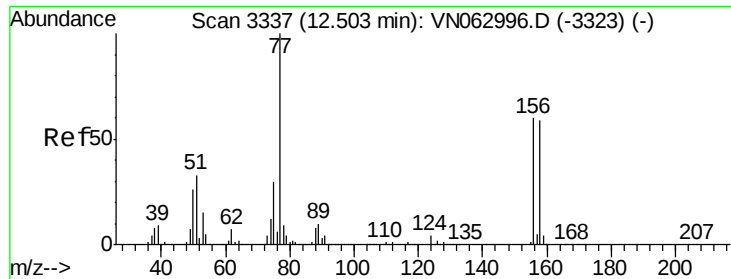
Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Tgt Ion:	75	Resp:	42154
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.260 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

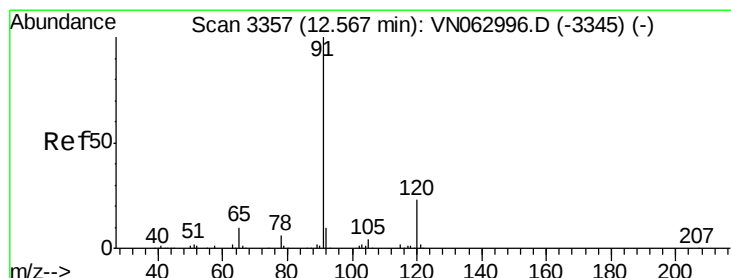
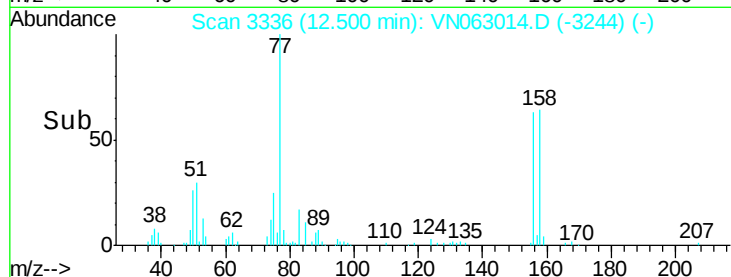
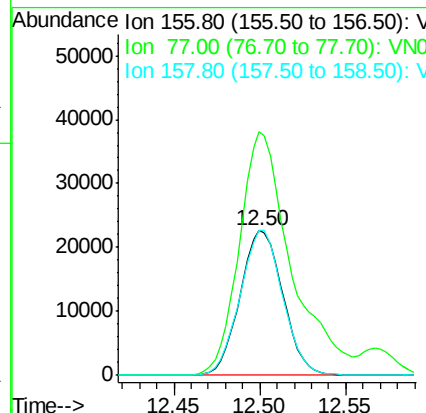
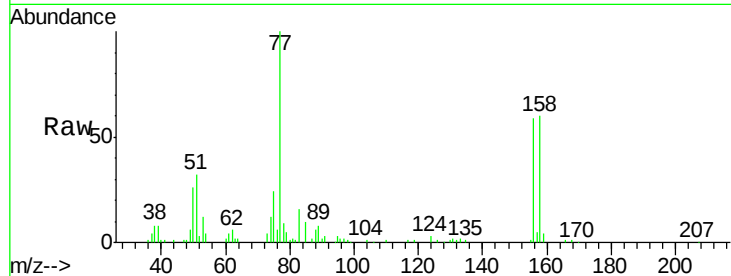
ClientSampleId :

VN0819MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	203.8	101.0	302.9
158	99.6	49.4	148.0

Manual Integrations
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#78

n-propylbenzene

Concen: 17.361 ug/l

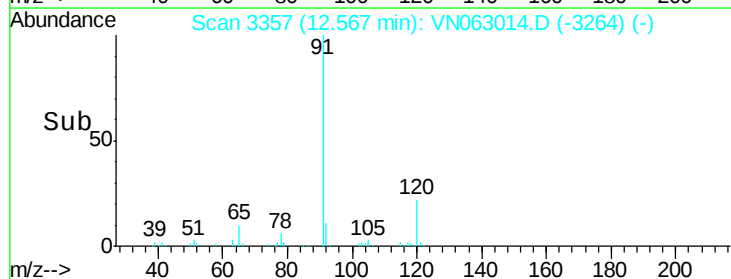
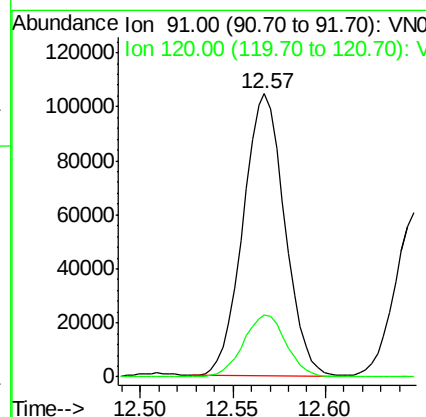
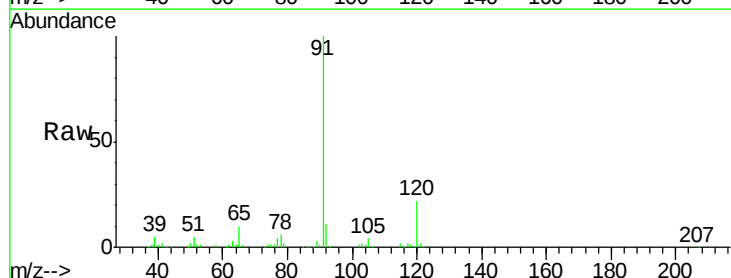
RT: 12.57 min Scan# 3357

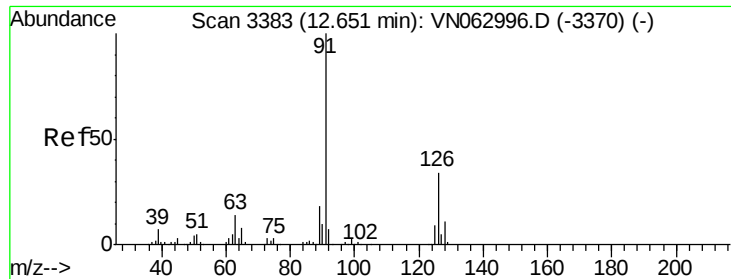
Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.1





#79

2-Chlorotoluene

Concen: 17.344 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0819MBS01

Tot Ion: 91 Resp: 102459

Ion Ratio Lower Upper

91 100

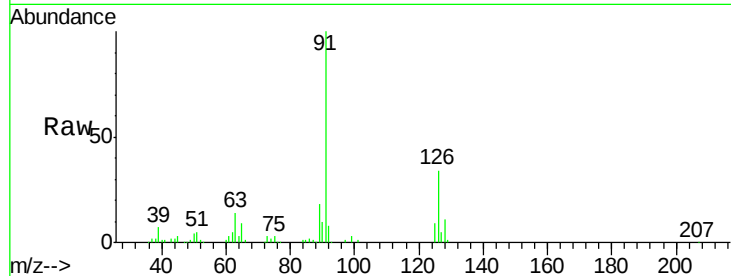
126 34.1 17.1 51.2

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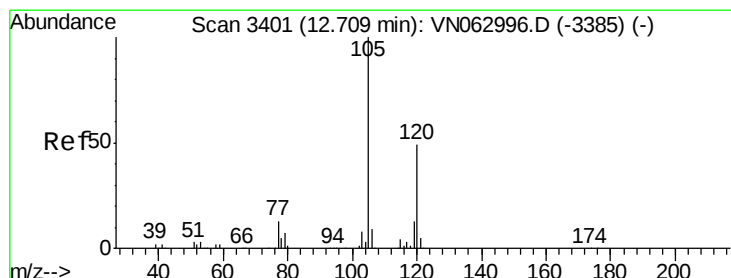
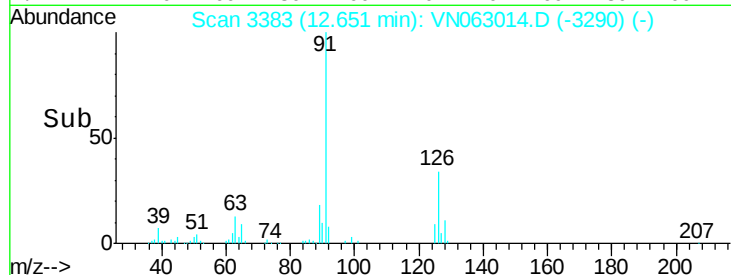
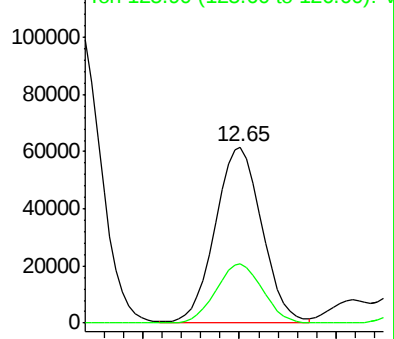
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Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.614 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063014.D

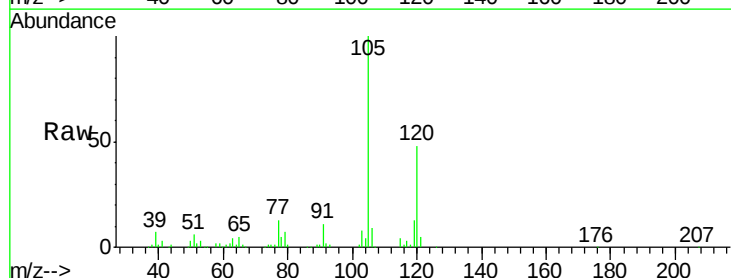
Acq: 19 Aug 2020 15:32

Tgt Ion: 105 Resp: 119975

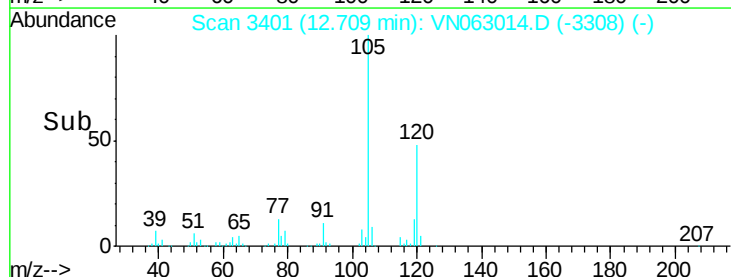
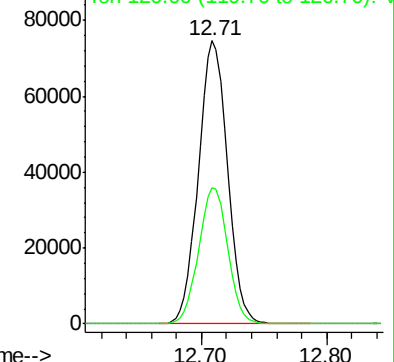
Ion Ratio Lower Upper

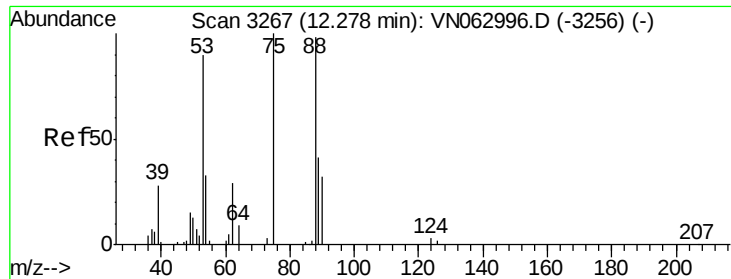
105 100

120 48.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN062996.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.853 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Instrument :

MSVOA_N

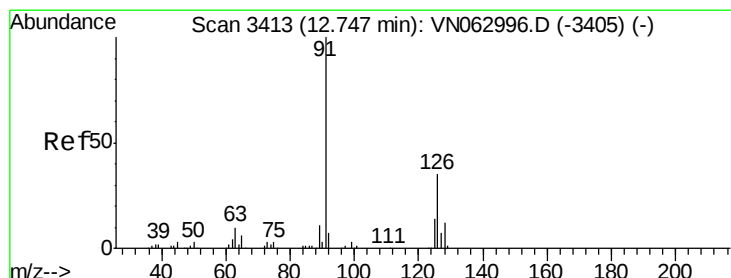
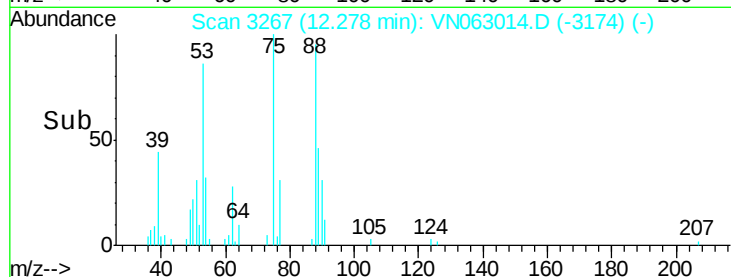
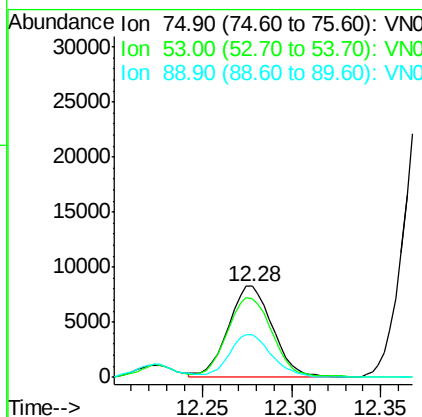
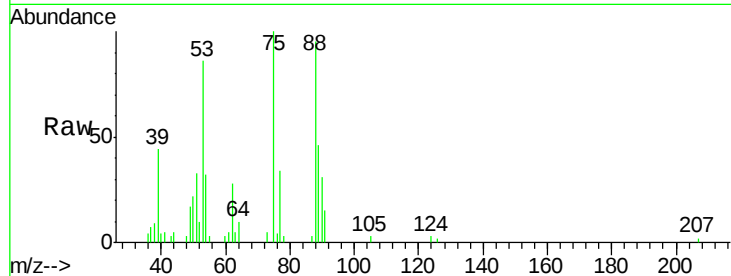
ClientSampleId :

VN0819MBS01

Tot Ion:	75	Resp:	14352
Ion Ratio	Lower	Upper	
75	100		
53	89.6	69.2	103.8
89	44.5	34.2	51.4

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#82

4-Chlorotoluene

Concen: 17.802 ug/l

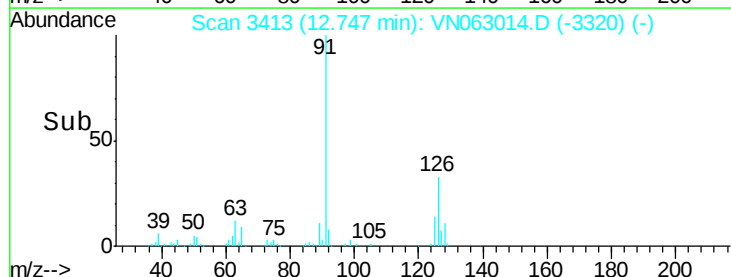
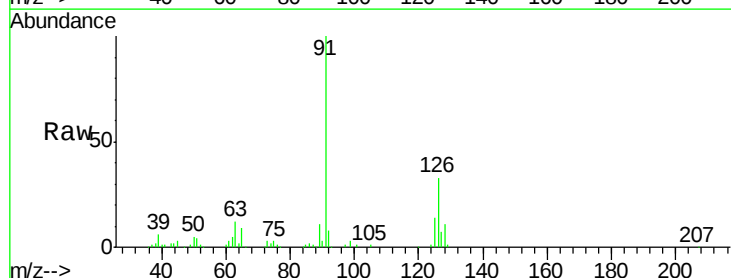
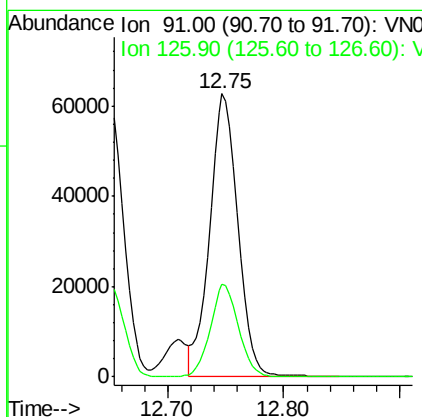
RT: 12.75 min Scan# 3413

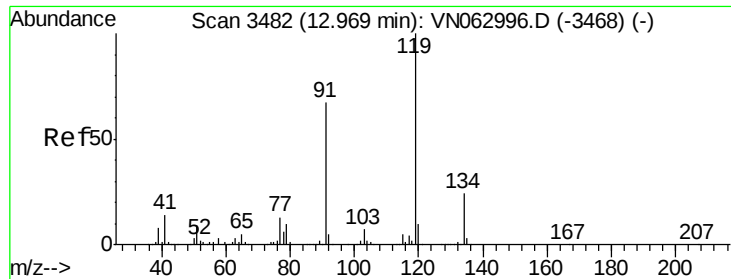
Delta R.T. -0.00 min

Lab File: VN063014.D

Acq: 19 Aug 2020 15:32

Tgt Ion:	91	Resp:	107083
Ion Ratio	Lower	Upper	
91	100		
126	32.6	16.5	49.5





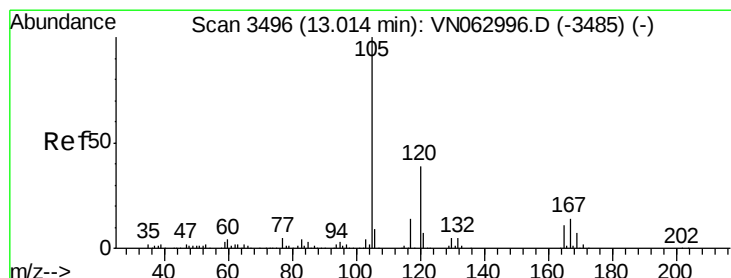
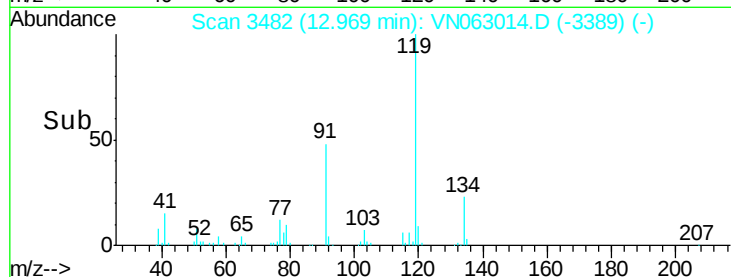
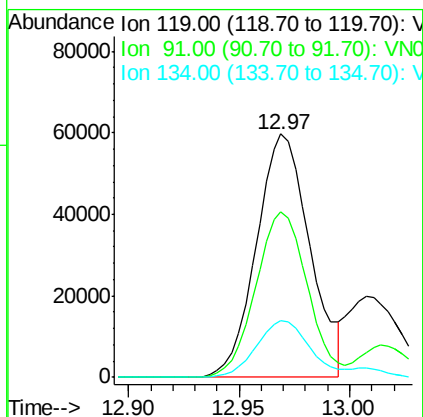
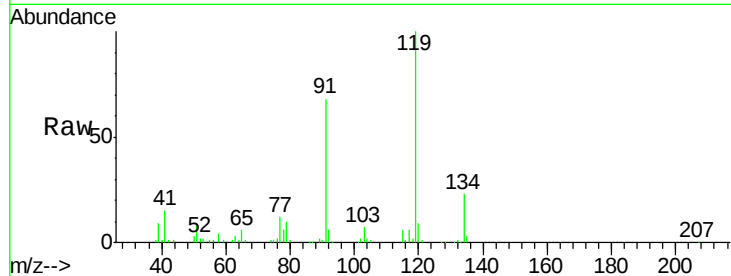
#83
tert-Butylbenzene
Concen: 17.017 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	100044		
91	65.9		32.5	97.4
134	23.2		13.1	39.3

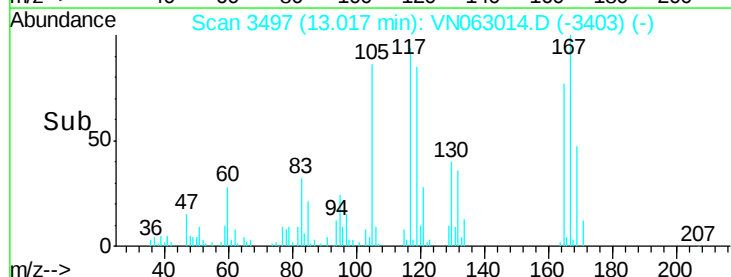
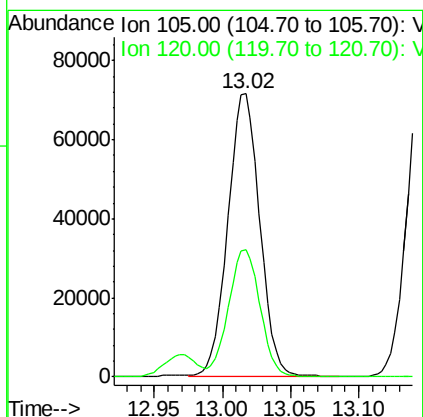
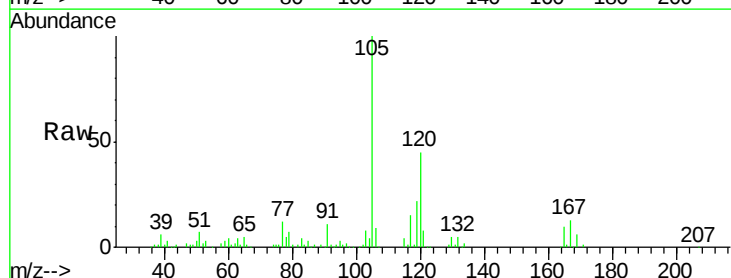
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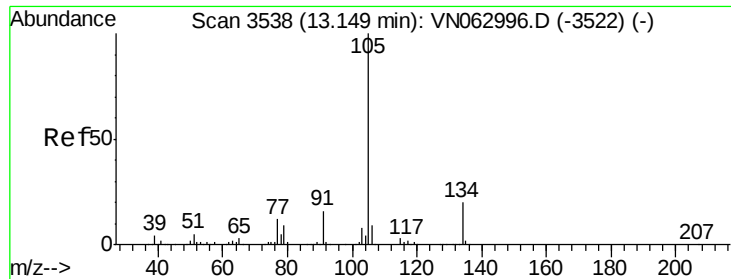
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#84
1,2,4-Trimethylbenzene
Concen: 17.449 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	115786		
120	45.0		22.5	67.5





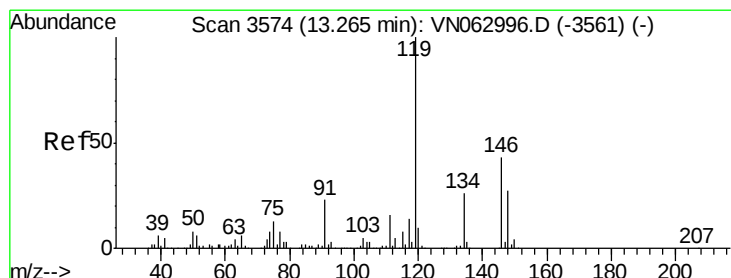
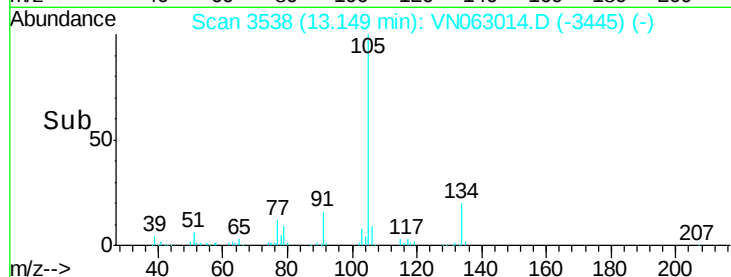
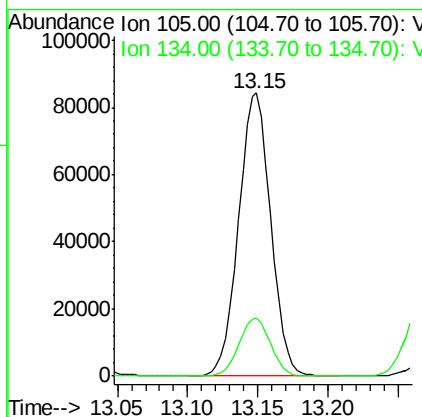
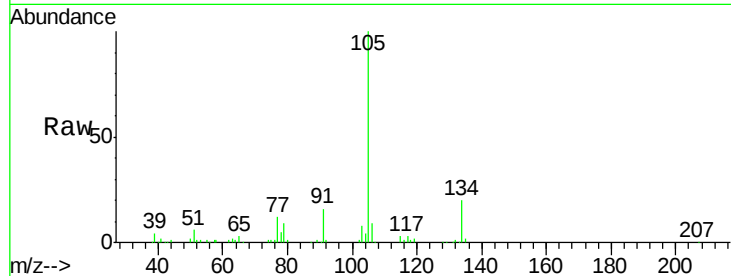
#85
 sec-Butylbenzene
 Concen: 16.955 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	134715		
134	20.0	9.8	29.4	

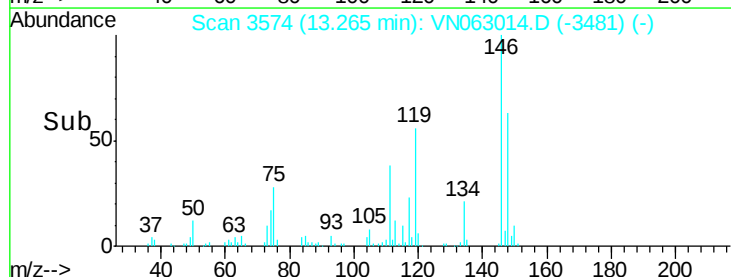
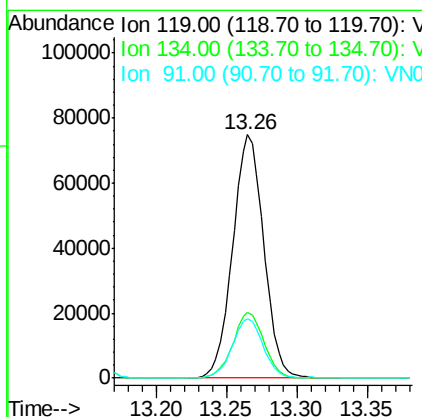
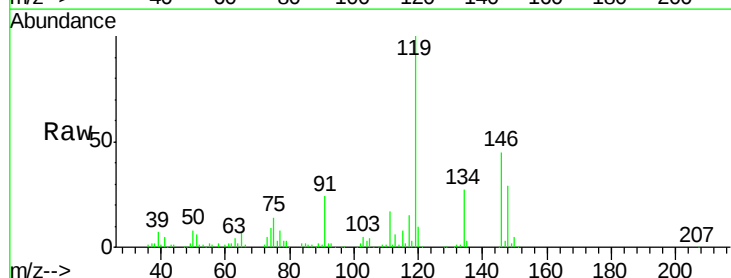
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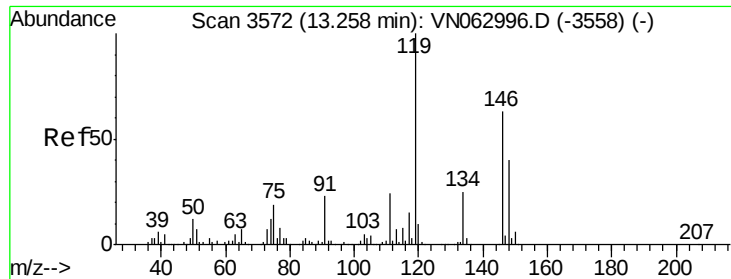
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#86
 p-Isopropyltoluene
 Concen: 16.684 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	115505		
134	26.9	13.1	39.3	
91	24.4	11.5	34.4	





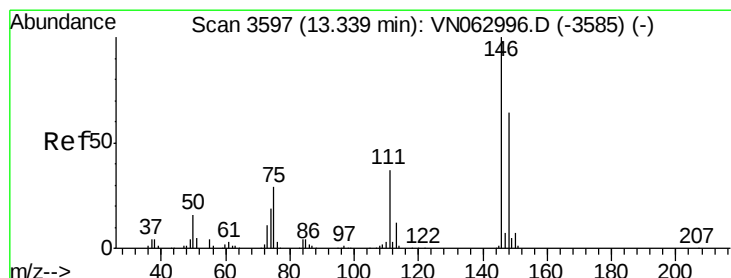
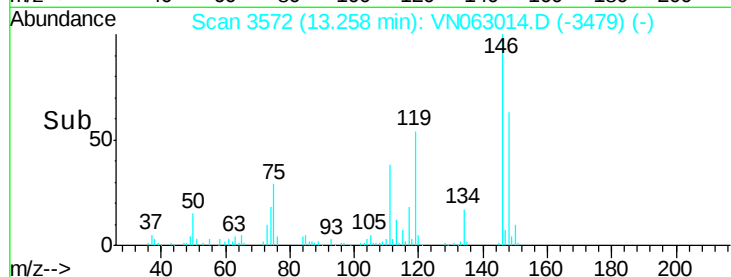
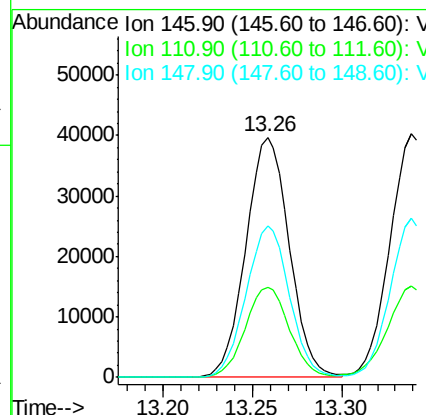
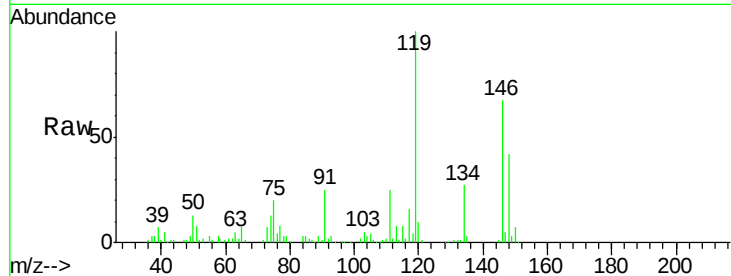
#87
 1,3-Dichlorobenzene
 Concen: 17.295 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.1
148	63.0	32.0	96.0

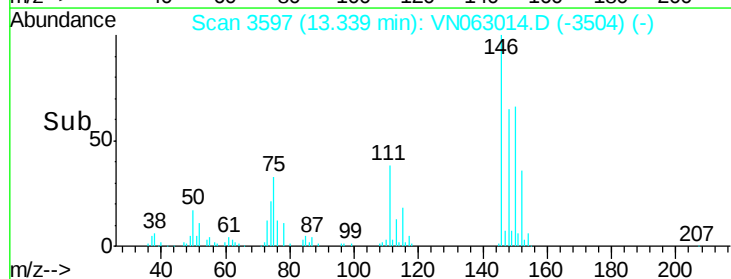
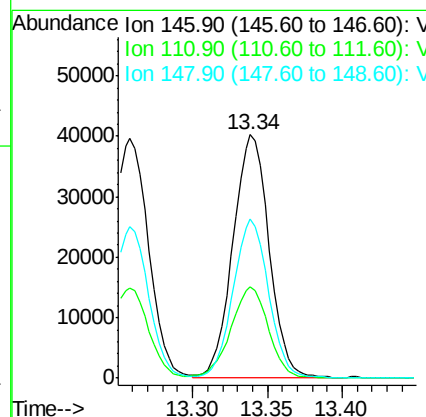
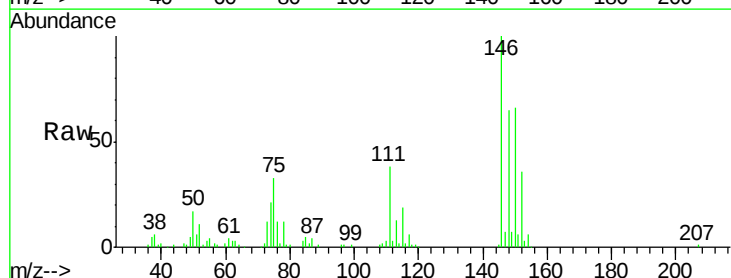
Manual Integrations
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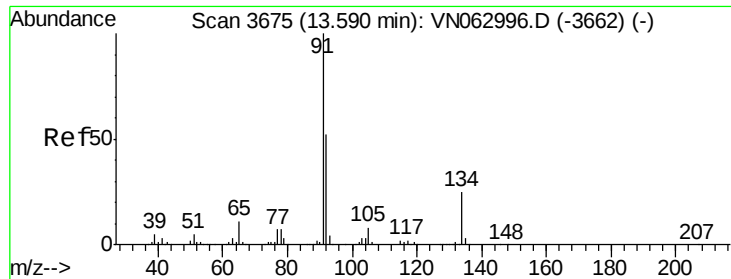
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#88
 1,4-Dichlorobenzene
 Concen: 17.189 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.8	56.4
148	64.0	32.4	97.0





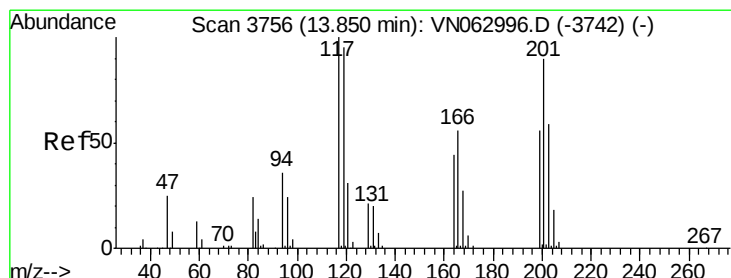
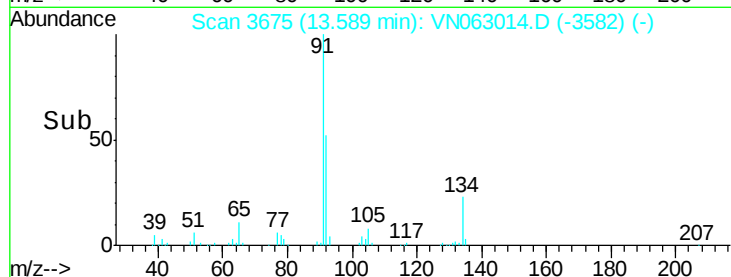
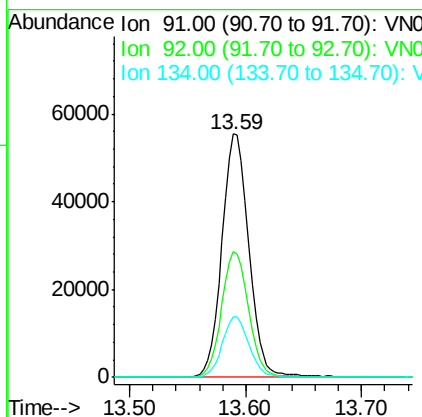
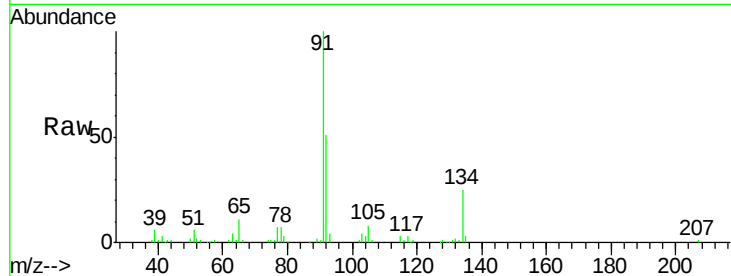
#89
n-Butylbenzene
Concen: 15.631 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.6
134	24.5	12.4	37.0

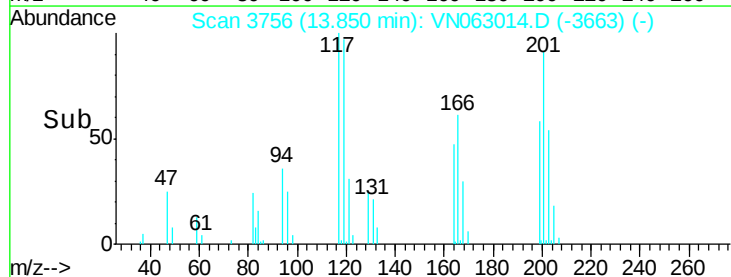
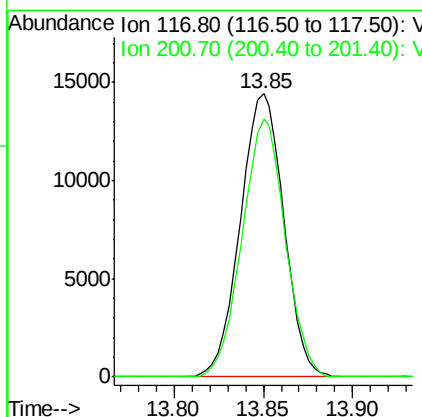
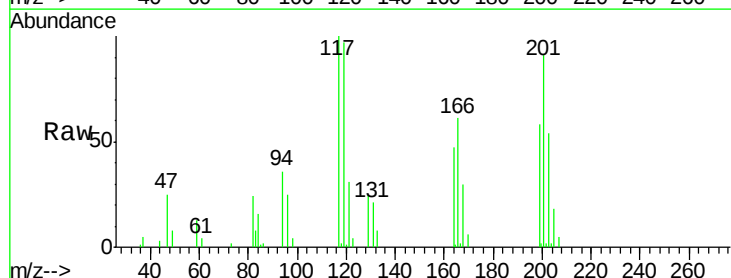
Manual Integrations
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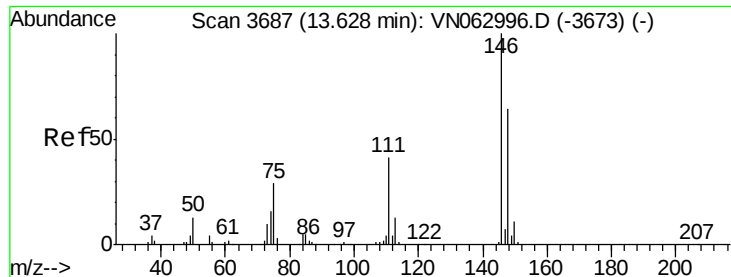
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#90
Hexachloroethane
Concen: 16.687 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	44.1	132.4





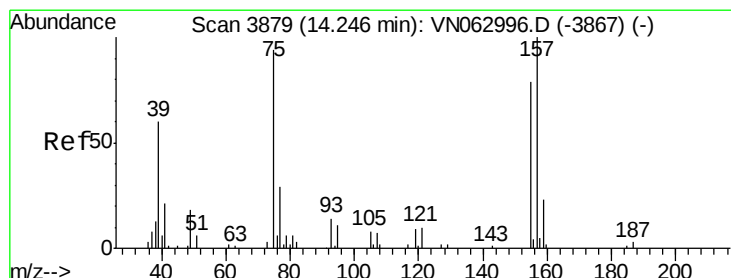
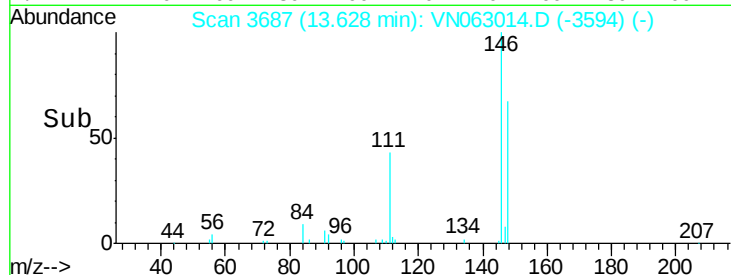
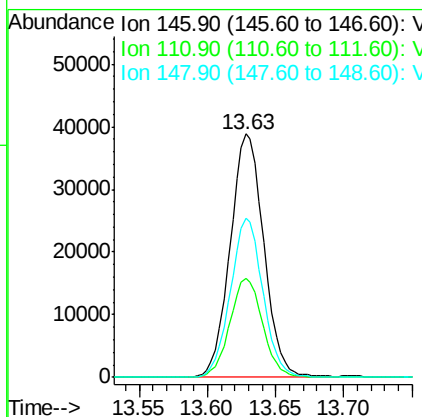
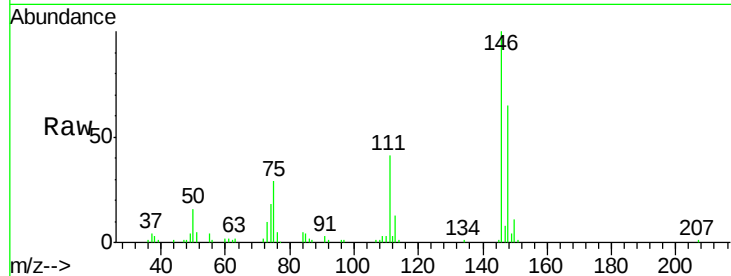
#91
 1,2-Dichlorobenzene
 Concen: 17.717 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.2	60.5
148	63.1	31.9	95.5

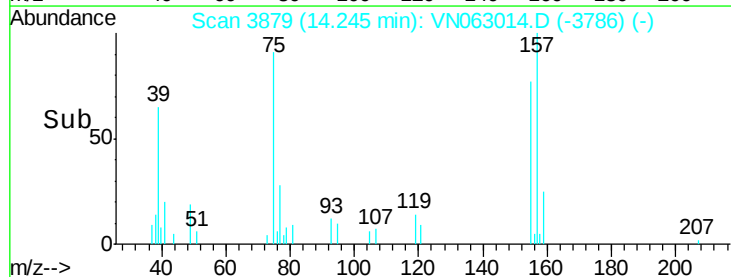
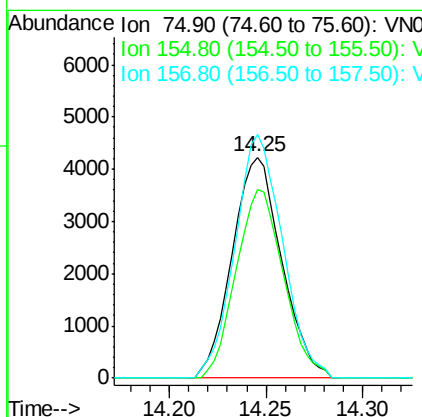
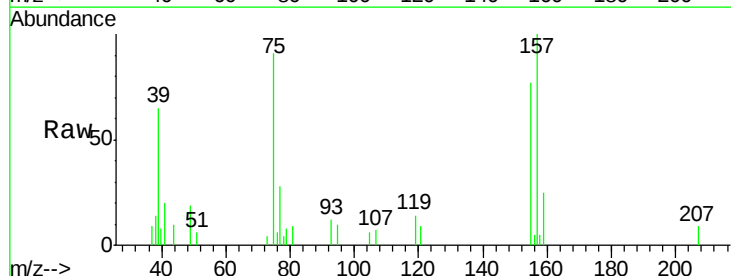
Manual Integrations
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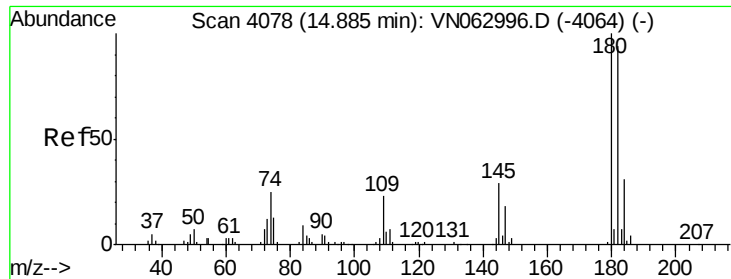
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.145 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	42.4	127.1
157	106.0	55.2	165.6





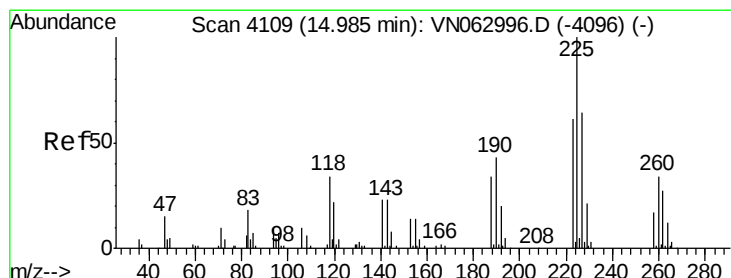
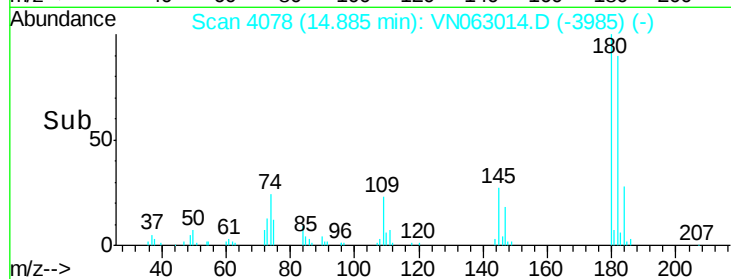
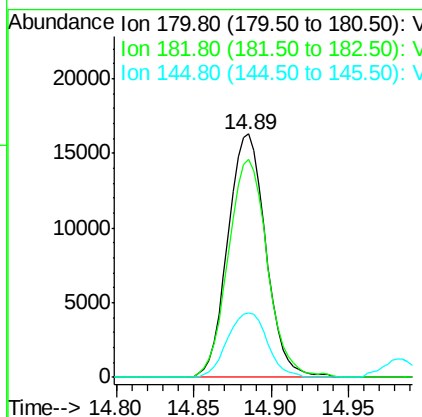
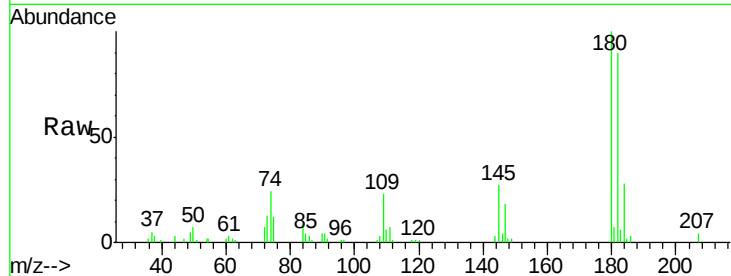
#93
 1,2,4-Trichlorobenzene
 Concen: 16.655 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.0	141.2
145	27.8	14.1	42.4

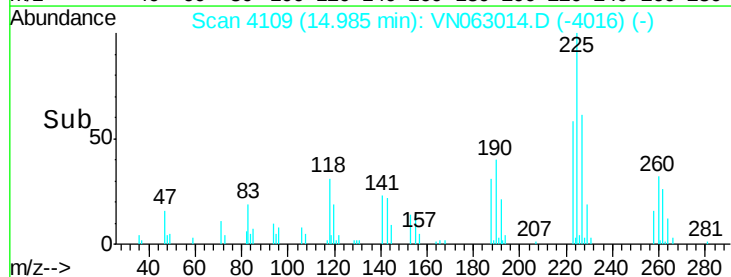
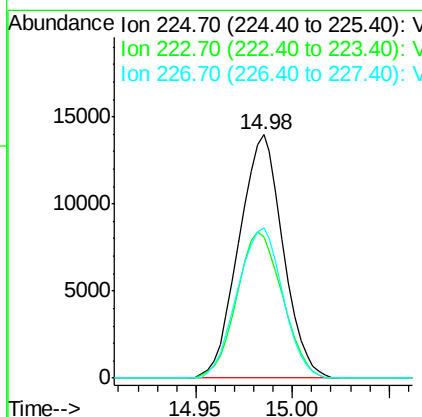
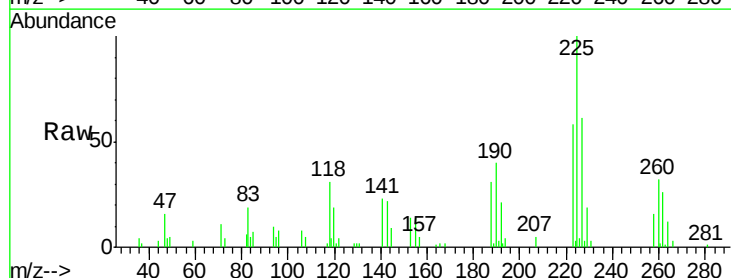
Manual Integrations
 APPROVED

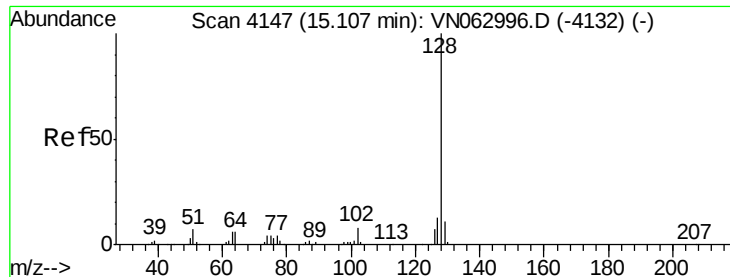
MMDadoda
 8/20/2020 10:09:53 AM



#94
 Hexachlorobutadiene
 Concen: 15.966 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN063014.D
 Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.9	92.5
227	63.5	31.9	95.9





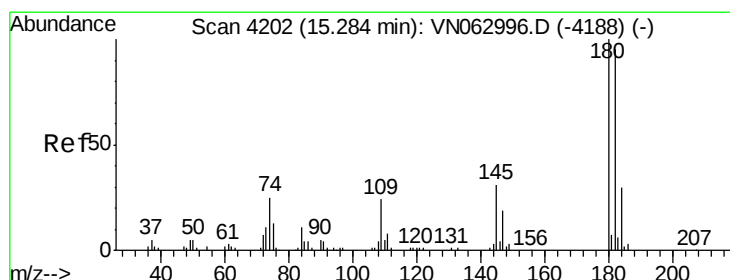
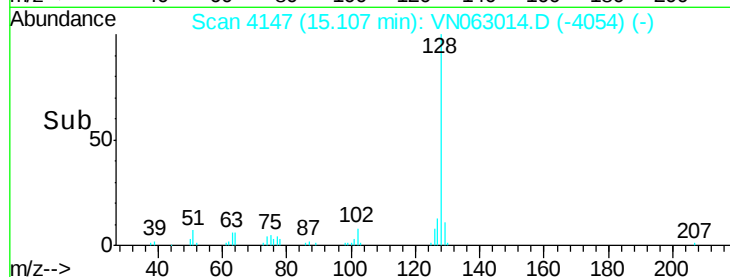
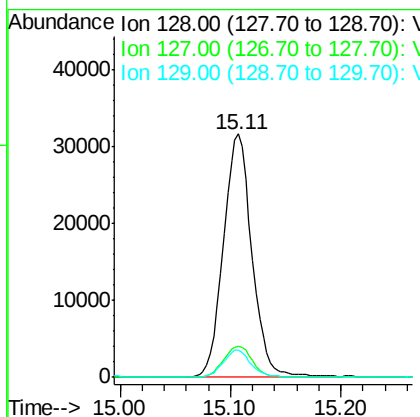
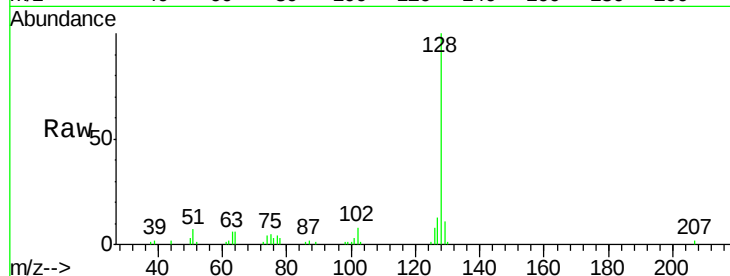
#95
Naphthalene
Concen: 16.137 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.697 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN063014.D
Acq: 19 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.9
145	29.1	15.6	46.7

