

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061400.D
 Acq On : 14 May 2020 18:07
 Operator : JC/MD
 Sample : VN0514WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0514WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:57 PM

Quant Time: May 15 07:16:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	18025	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	110165	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	101087	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	51065	31.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.47%
60) 4-Bromofluorobenzene	12.38	95	51271	29.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.03%
63) Toluene-d8	10.06	98	140491	30.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	15881	19.350 ug/l	98
3) Chloromethane	2.03	50	31558	21.031 ug/l	100
4) Vinyl Chloride	2.16	62	41945	20.853 ug/l	98
5) Bromomethane	2.54	94	21399	20.944 ug/l	99
6) Chloroethane	2.68	64	27980	20.559 ug/l	99
7) Trichlorofluoromethane	2.98	101	42568	19.773 ug/l	98
8) Diethyl Ether	3.37	74	13800	20.155 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	18753	20.392 ug/l	94
10) 1,1-Dichloroethene	3.70	96	19229	19.861 ug/l	98
11) Methyl Iodide	3.91	142	21886	20.887 ug/l	99
12) Methyl Acetate	4.28	43	23852	20.285 ug/l	99
13) Acrolein	3.56	56	18085	91.345 ug/l	98
14) Acrylonitrile	4.93	53	55648	100.822 ug/l	97
15) Acetone	3.77	58	13417	101.229 ug/l	95
16) Carbon Disulfide	4.01	76	59417	21.831 ug/l	100
17) Allyl chloride	4.28	41	41913	21.507 ug/l	99
18) Methylene Chloride	4.50	84	23114	19.782 ug/l	98
19) trans-1,2-Dichloroethene	4.99	96	22629	19.639 ug/l	93
20) Diisopropyl ether	5.90	45	90348	19.915 ug/l	98
21) 1,1-Dichloroethane	5.80	63	47324	19.977 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	26437	19.567 ug/l	95
23) tert-Butyl Alcohol	4.73	59	21876	123.647 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	77714	19.778 ug/l	96
25) Chloroform	7.33	83	45384	19.763 ug/l	98
26) Cyclohexane	7.61	56	45014	19.900 ug/l #	96
29) 1,1-Dichloropropene	7.75	75	36257	18.755 ug/l	99
30) 2-Butanone	6.79	43	78490	95.981 ug/l	99
31) 2,2-Dichloropropane	6.78	77	42457	18.799 ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	40309	18.636 ug/l	98
33) Carbon Tetrachloride	7.73	117	30755	18.524 ug/l	97
34) Benzene	8.00	78	102799	18.796 ug/l	100
35) Methacrylonitrile	7.13	41	16892	20.594 ug/l	96
36) 1,2-Dichloroethane	8.09	62	39628	18.875 ug/l	100
37) Trichloroethene	8.80	130	25109	18.646 ug/l	98
38) Methylcyclohexane	9.05	83	42395	18.268 ug/l	95
39) 1,2-Dichloropropane	9.08	63	28331	18.843 ug/l	97
40) Dibromomethane	9.17	93	17508	18.853 ug/l	92

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:57 PM

Quant Time: May 15 07:16:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	37511	18.619	ug/l	100
42) Vinyl Acetate	5.84	43	367150	94.542	ug/l	100
43) Ethyl Acetate	6.88	43	32463	18.585	ug/l #	91
44) Isopropyl Acetate	8.13	43	63557	18.740	ug/l	98
45) 1,4-Dioxane	9.16	88	7180	536.467	ug/l	95
46) Methyl methacrylate	9.17	41	29162	18.285	ug/l	96
47) n-amyl Acetate	12.04	43	55632	18.391	ug/l	97
48) t-1,3-Dichloropropene	10.36	75	43848	18.443	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	46540	18.507	ug/l	96
50) 1,1,2-Trichloroethane	10.54	97	24326	18.944	ug/l	98
51) Ethyl methacrylate	10.40	69	40528	18.320	ug/l	94
52) 1,3-Dichloropropane	10.68	76	44104	18.810	ug/l	99
53) Dibromochloromethane	10.88	129	25478	18.108	ug/l	99
54) 1,2-Dibromoethane	10.98	107	24478	18.475	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	89632	91.549	ug/l	99
56) Bromoform	12.10	173	15907	17.978	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	175966	95.527	ug/l	98
59) 2-Hexanone	10.72	43	126395	97.006	ug/l	99
61) Tetrachloroethene	10.60	164	22786	18.025	ug/l	96
62) Toluene	10.12	91	110703	18.887	ug/l	99
64) Chlorobenzene	11.41	112	64717	18.655	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	23541	18.571	ug/l	98
66) Ethyl Benzene	11.48	91	123950	18.427	ug/l	100
67) m/p-Xylenes	11.60	106	90668	36.501	ug/l	99
68) o-Xylene	11.92	106	44564	18.798	ug/l	99
69) Styrene	11.94	104	74180	18.185	ug/l	98
70) Isopropylbenzene	12.22	105	117343	18.268	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	32933	18.559	ug/l	96
72) 1,2,3-Trichloropropane	12.53	75	30876m	18.243	ug/l	
73) Bromobenzene	12.50	156	24013	17.998	ug/l	90
74) n-propylbenzene	12.57	91	139417	18.255	ug/l	99
75) 2-Chlorotoluene	12.65	91	81102	18.518	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	97696	18.124	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	13247	18.806	ug/l	98
78) 4-Chlorotoluene	12.75	91	81930	17.865	ug/l	99
79) tert-butylbenzene	12.97	119	81798	18.268	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	97505	18.122	ug/l	100
81) sec-Butylbenzene	13.15	105	113147	18.342	ug/l	99
82) p-Isopropyltoluene	13.26	119	99708	17.950	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	44212	17.830	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	44627	18.185	ug/l	98
85) n-Butylbenzene	13.59	91	92432	17.974	ug/l	98
86) Hexachloroethane	13.85	117	14140	18.261	ug/l	85
87) 1,2-Dichlorobenzene	13.63	146	42990	18.277	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	7017	18.553	ug/l	95
89) 1,2,4-Trichlorobenzene	14.89	180	24137	17.861	ug/l	99
90) Hexachlorobutadiene	14.99	225	10324	18.753	ug/l	99
91) Naphthalene	15.11	128	77084	18.135	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	24338	18.542	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 14 16:04:10 2020
Response via : Initial Calibration

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

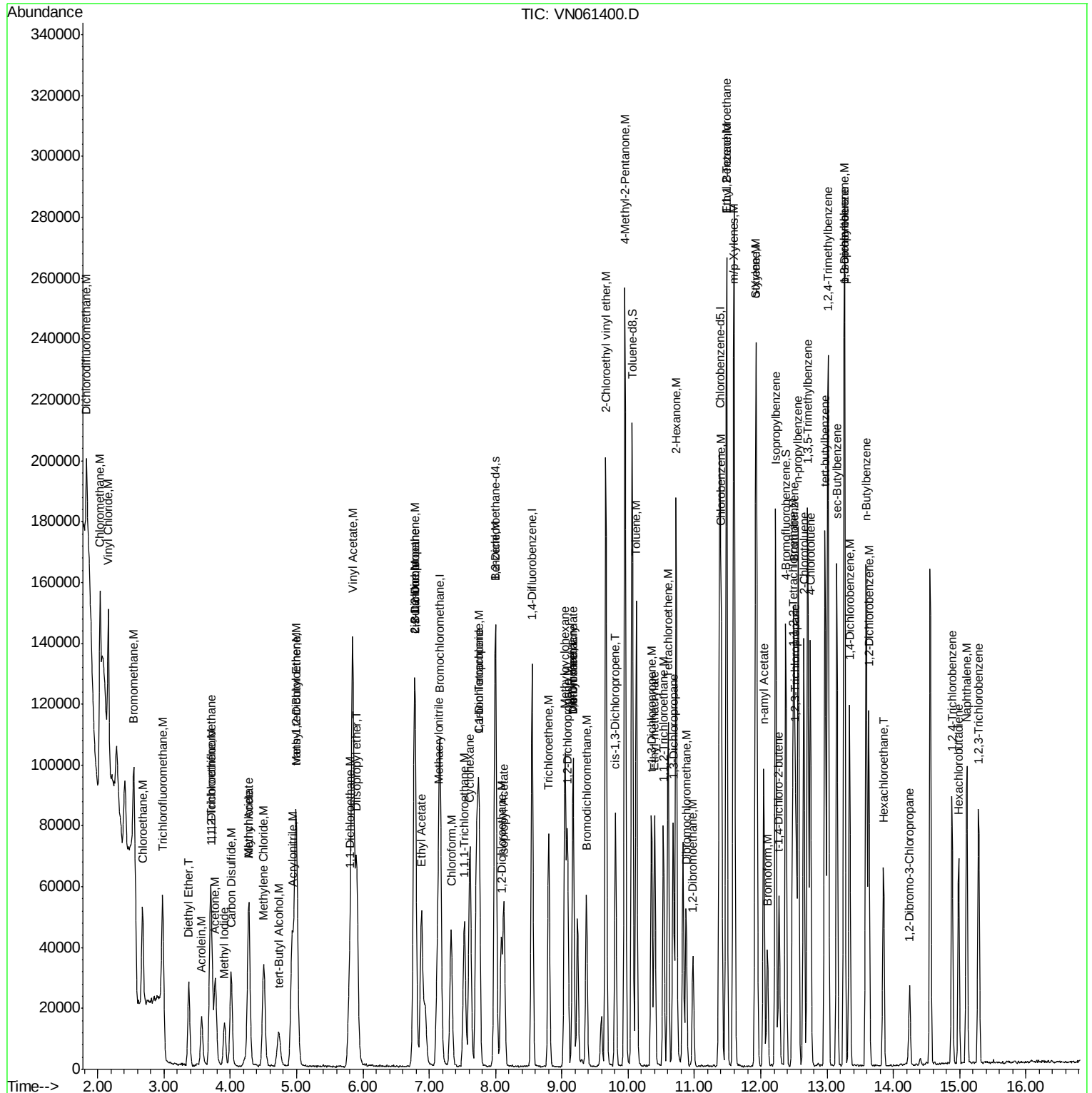
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061400.D
 Acq On : 14 May 2020 18:07
 Operator : JC/MD
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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

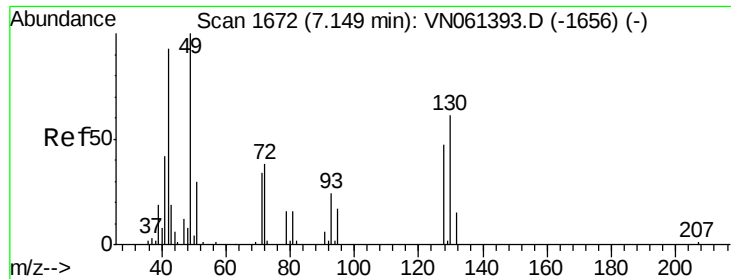
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0514WBSD01

Manual Integrations
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 5/15/2020 2:10:57 PM

Quant Time: May 15 07:16:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

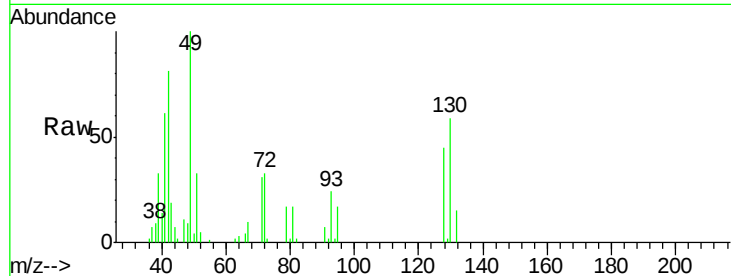
ClientSampleId :

VN0514WBSD01

Tot Ion:	128	Resp:	18025
Ion	Ratio	Lower	Upper
128	100		
49	220.8	0.0	453.5
130	132.3	0.0	314.2

Manual Integrations
APPROVED

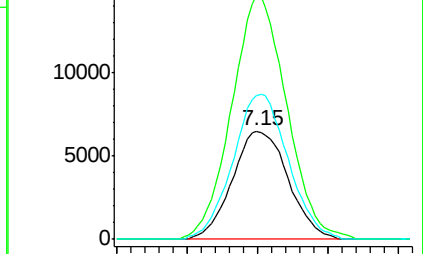
MMDadoda
5/15/2020 2:10:57 PM



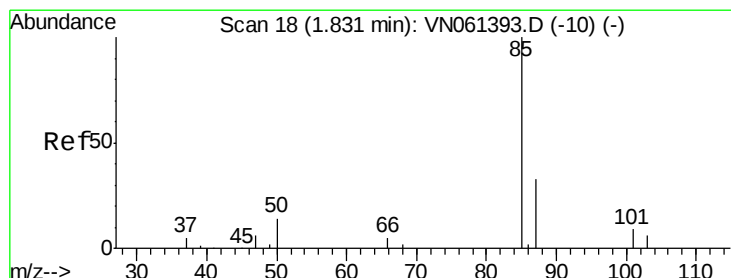
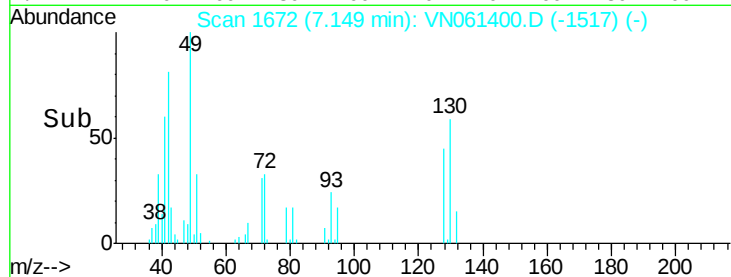
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 19.350 ug/l

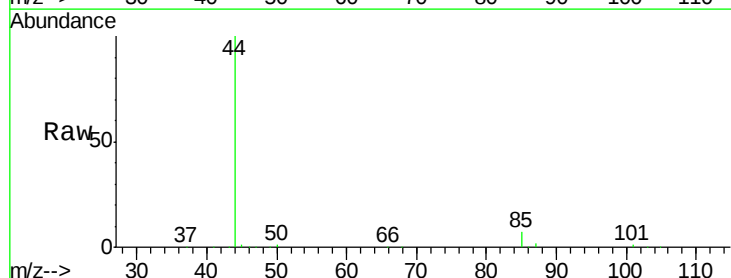
RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061400.D

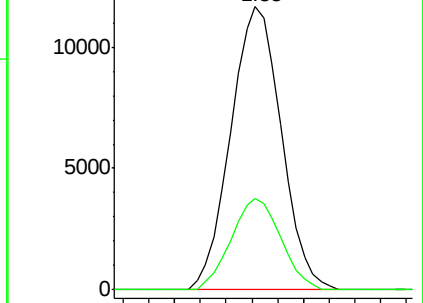
Acq: 14 May 2020 18:07

Tgt Ion:	85	Resp:	15881
Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.7	47.0

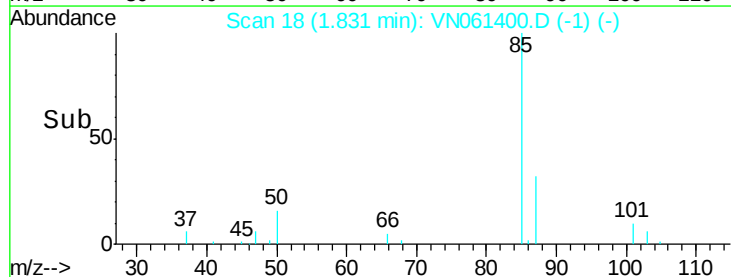


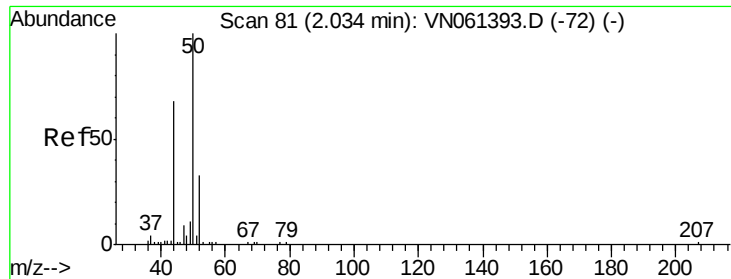
Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN



Time-->





#3

Chloromethane

Concen: 21.031 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBSD01

Tot Ion: 50 Resp: 31558

Ion Ratio Lower Upper

50 100

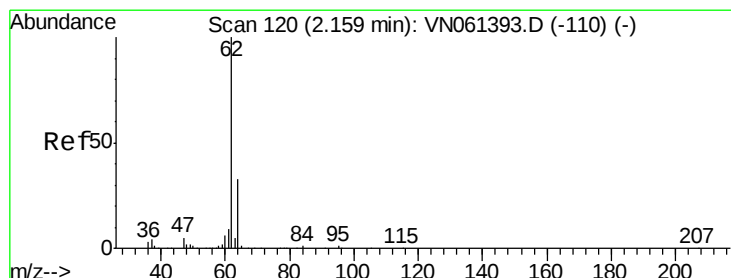
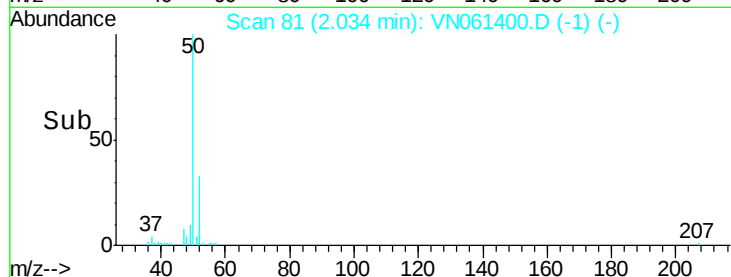
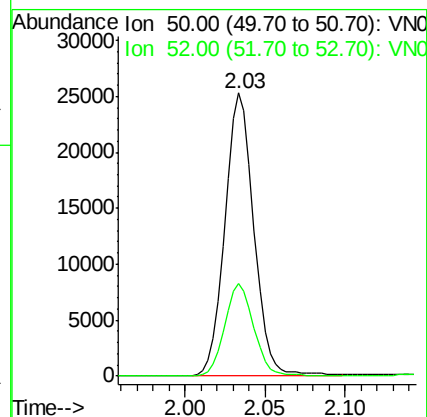
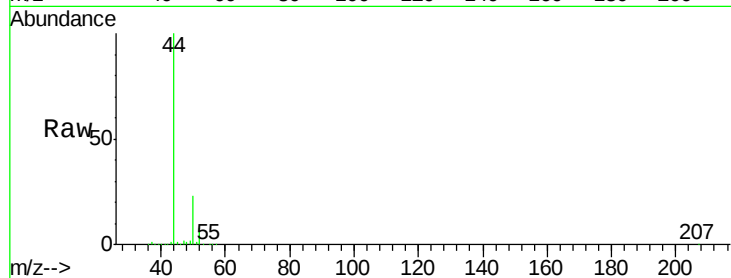
52 32.6 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.853 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061400.D

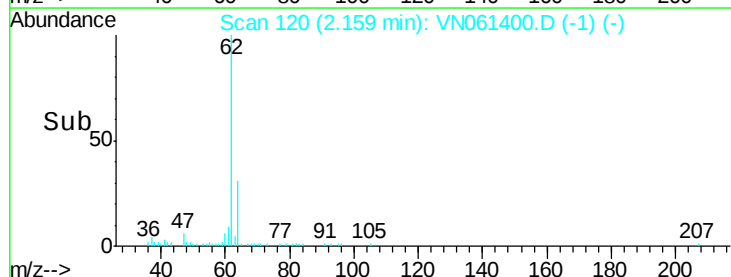
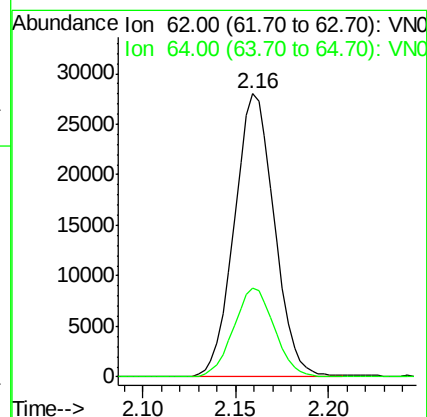
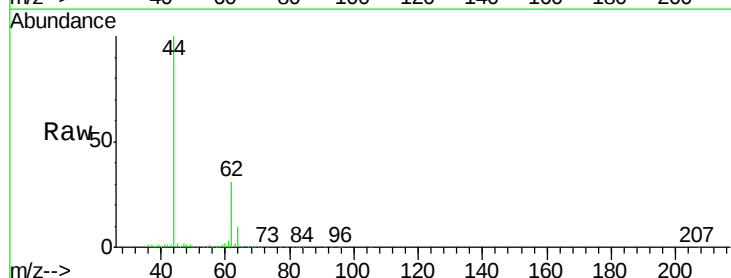
Acq: 14 May 2020 18:07

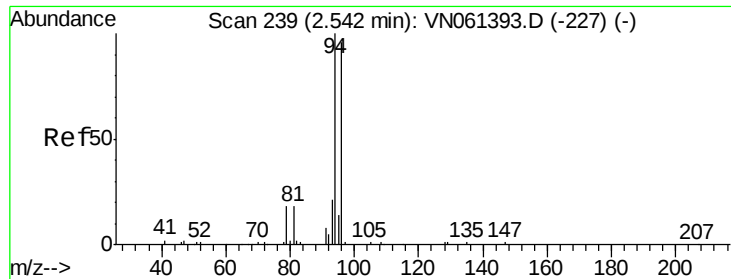
Tgt Ion: 62 Resp: 41945

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1





#5

Bromomethane

Concen: 20.944 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBSD01

Tot Ion: 94 Resp: 21399

Ion Ratio Lower Upper

94 100

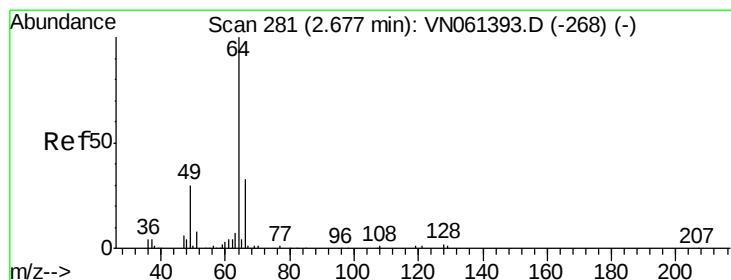
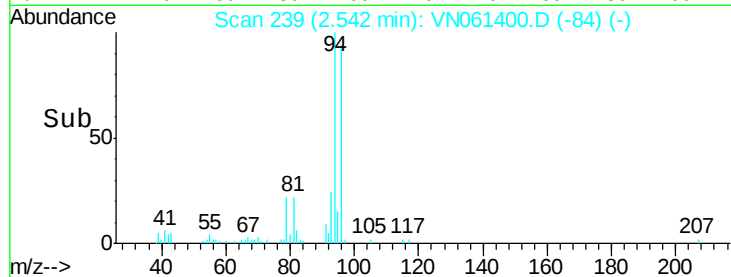
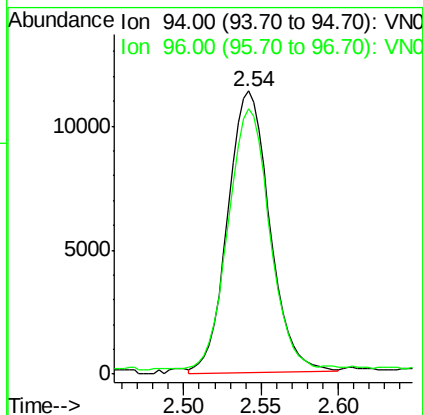
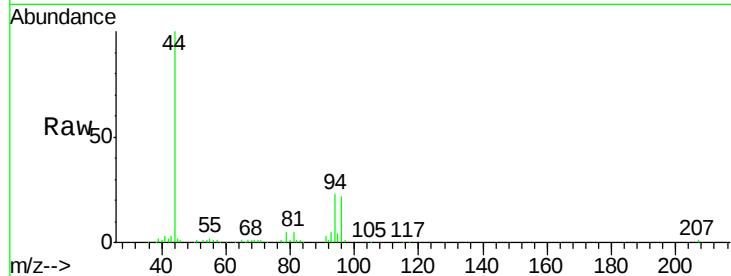
96 93.2 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 20.559 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN061400.D

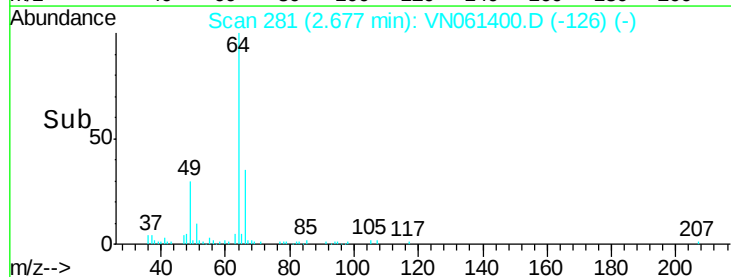
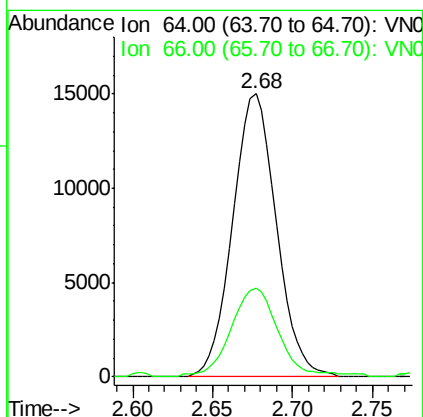
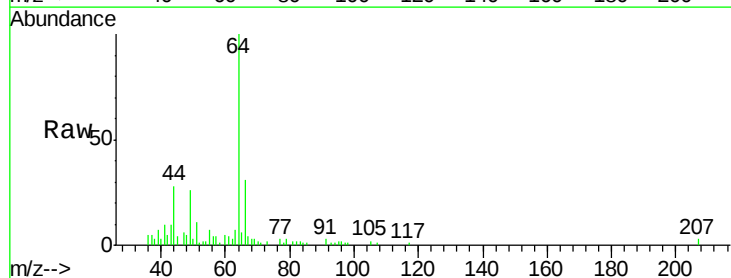
Acq: 14 May 2020 18:07

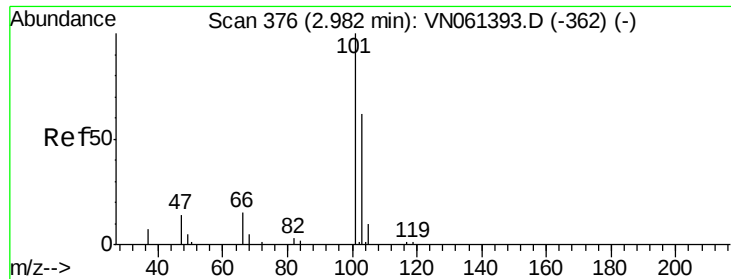
Tgt Ion: 64 Resp: 27980

Ion Ratio Lower Upper

64 100

66 30.3 24.6 36.8





#7

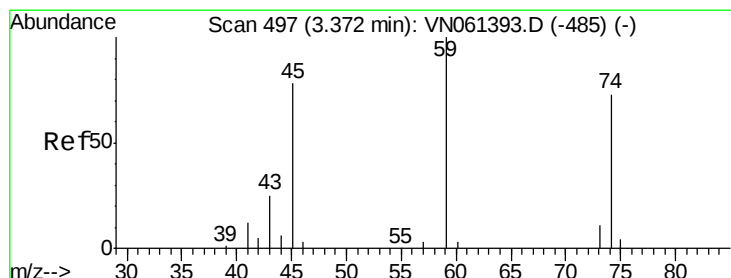
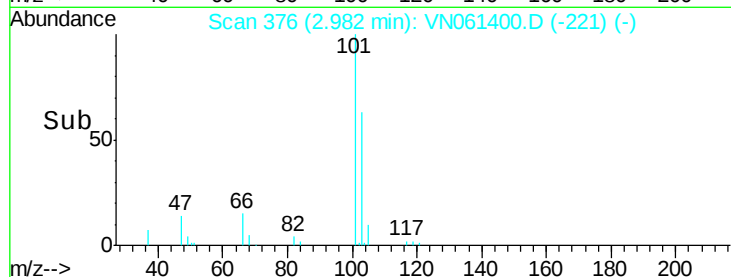
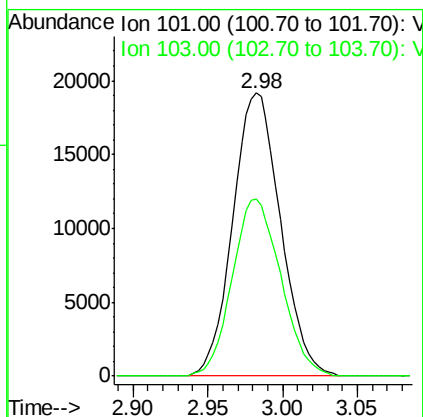
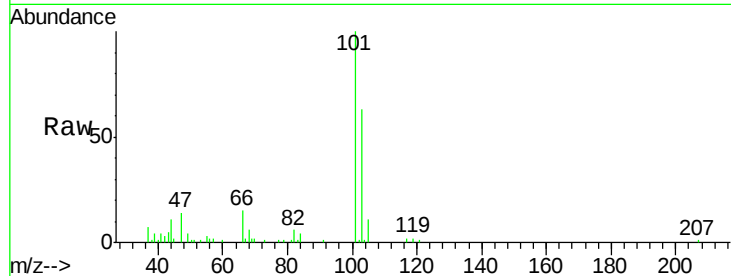
Trichlorofluoromethane
 Concen: 19.773 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Instrument :
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 VN0514WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		42568		
103	62.7	51.5	77.3		

Manual Integrations
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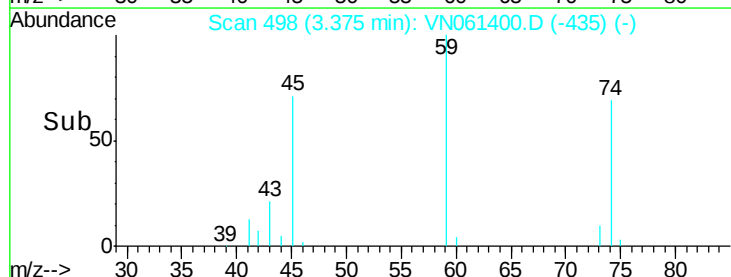
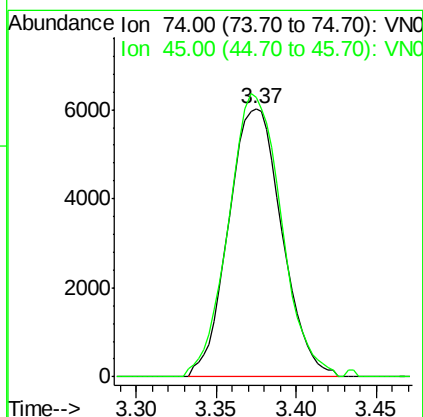
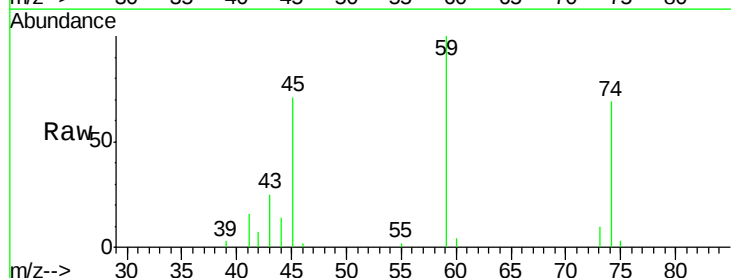
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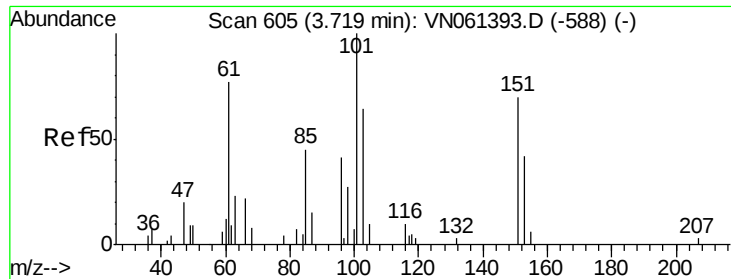


#8

Diethyl Ether
 Concen: 20.155 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		13800		
45	104.4	20.6	185.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.392 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

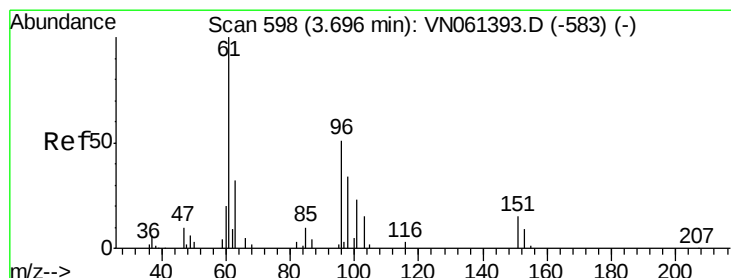
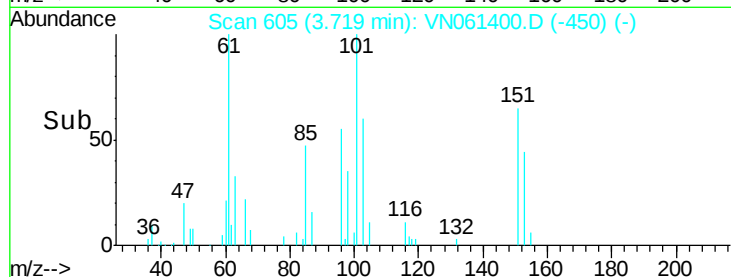
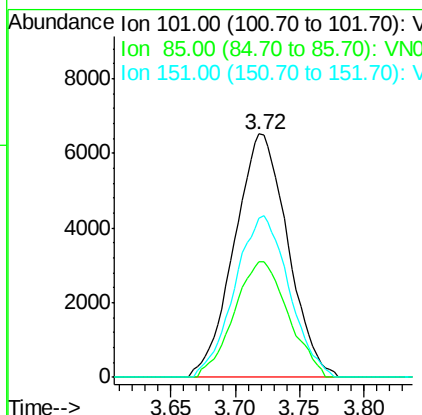
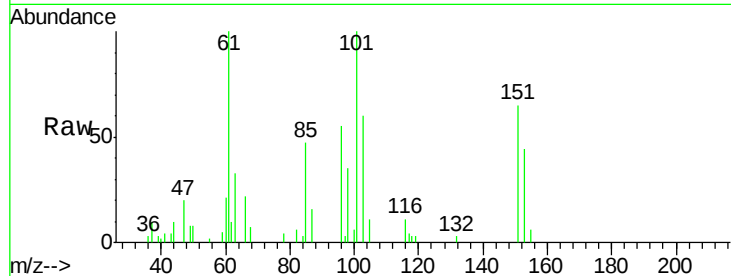
ClientSampleId :

VN0514WBSD01

Tot Ion:	101	Resp:	18753
Ion Ratio	Lower	Upper	
101	100		
85	48.1	0.0	93.8
151	67.3	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 19.861 ug/l

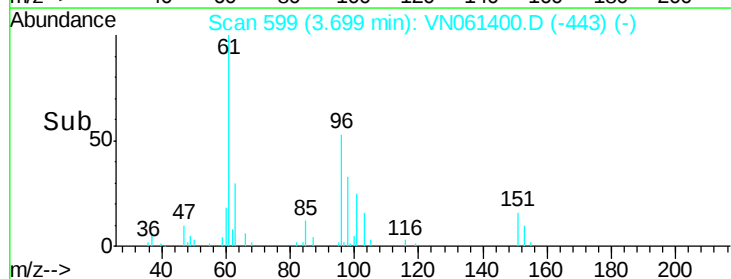
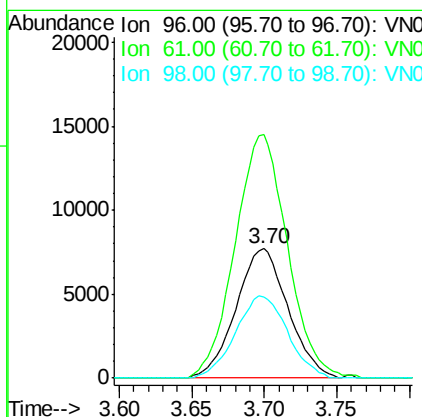
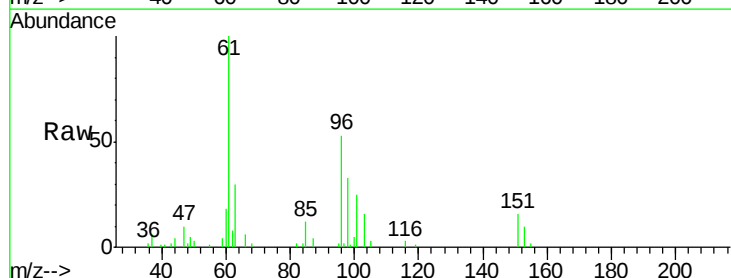
RT: 3.70 min Scan# 599

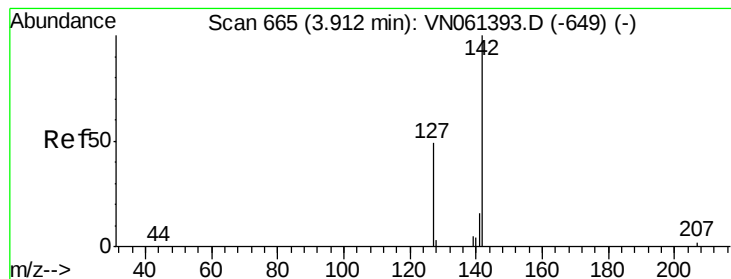
Delta R.T. 0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Tgt Ion:	96	Resp:	19229
Ion Ratio	Lower	Upper	
96	100		
61	188.3	148.5	222.7
98	62.5	51.0	76.6





#11

Methvl Iodide

Concen: 20.887 ug/l

RT: 3.91 min Scan# 666

Delta R.T. 0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

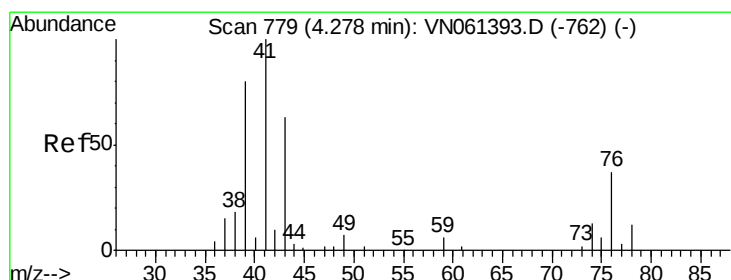
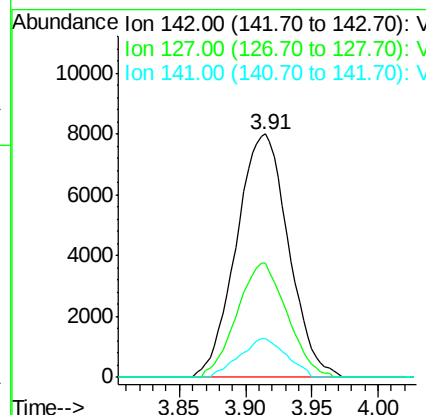
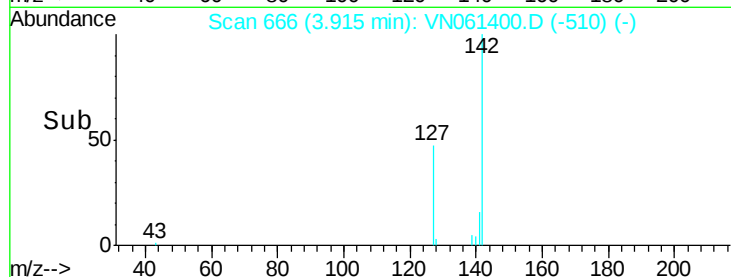
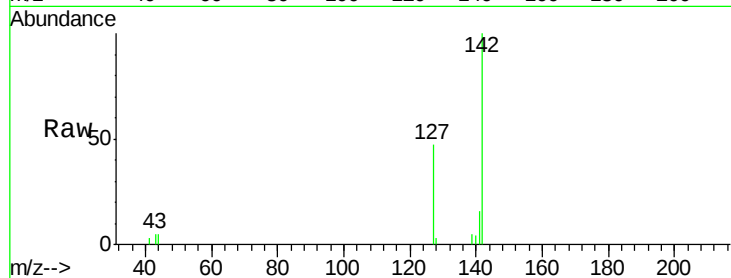
ClientSampleId :

VN0514WBSD01

Tot Ion:	142	Resp:	21886
Ion Ratio	Lower	Upper	
142	100		
127	46.9	23.5	70.6
141	16.0	7.4	22.2

Manual Integrations
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#12

Methyl Acetate

Concen: 20.285 ug/l

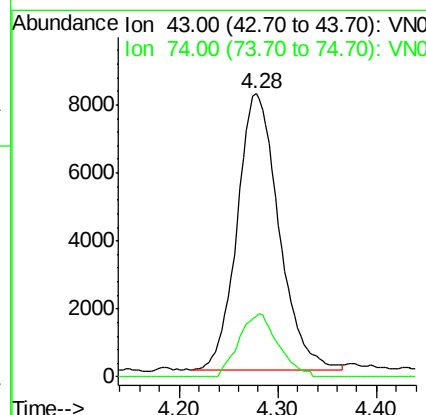
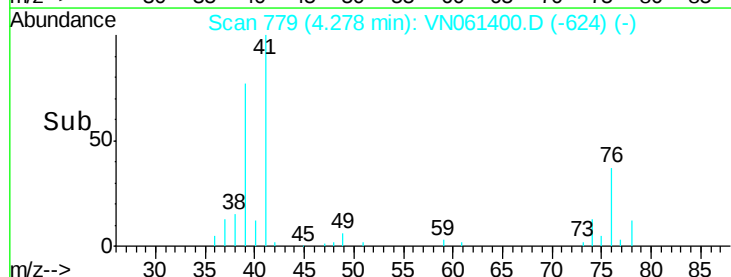
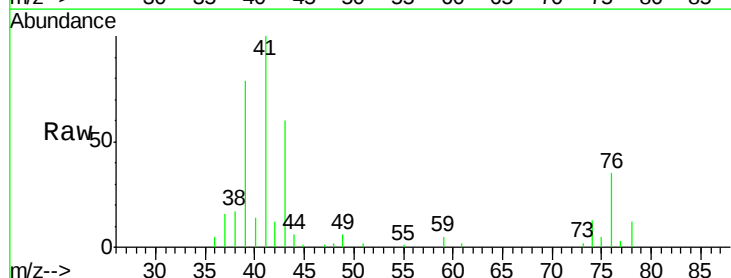
RT: 4.28 min Scan# 779

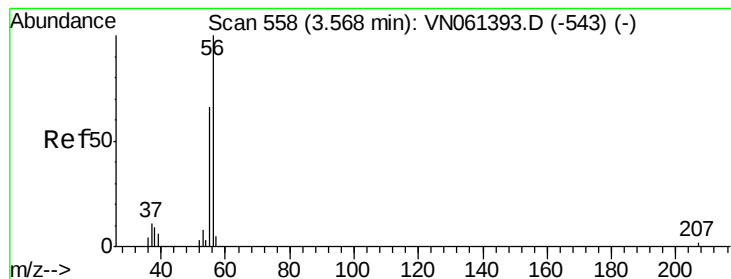
Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Tgt Ion:	43	Resp:	23852
Ion Ratio	Lower	Upper	
43	100		
74	22.0	18.1	27.1





#13

Acrolein

Concen: 91.345 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBSD01

Tot Ion: 56 Resp: 18085

Ion Ratio Lower Upper

56 100

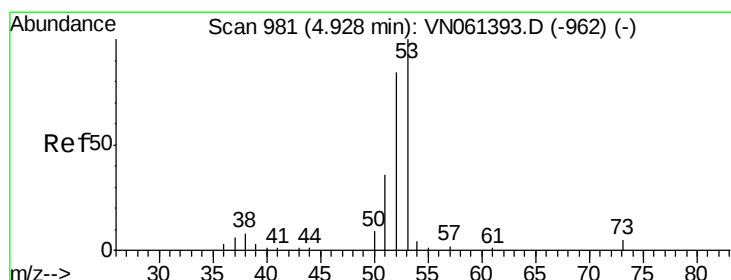
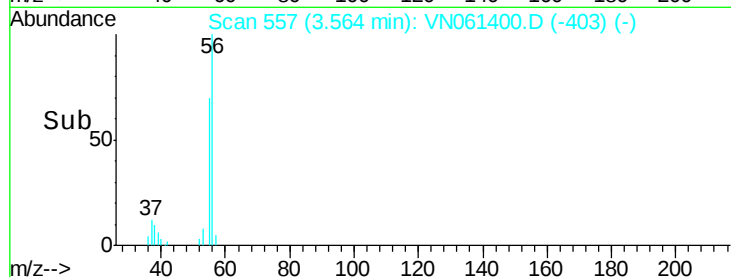
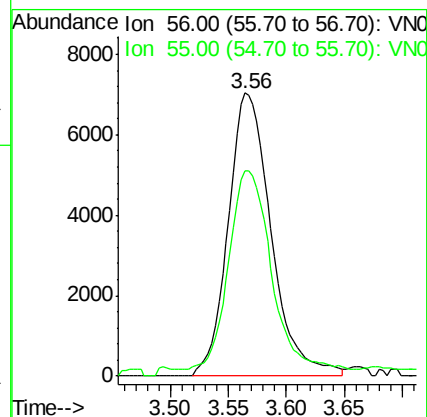
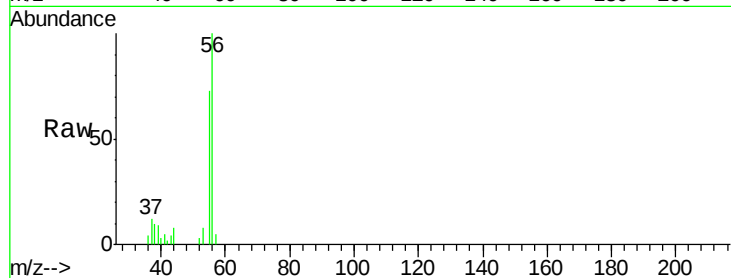
55 71.1 55.9 83.9

Manual Integrations

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#14

Acrylonitrile

Concen: 100.822 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

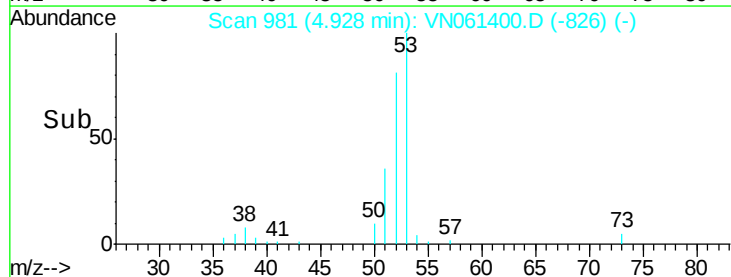
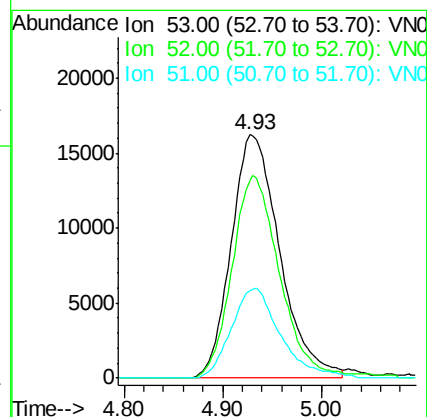
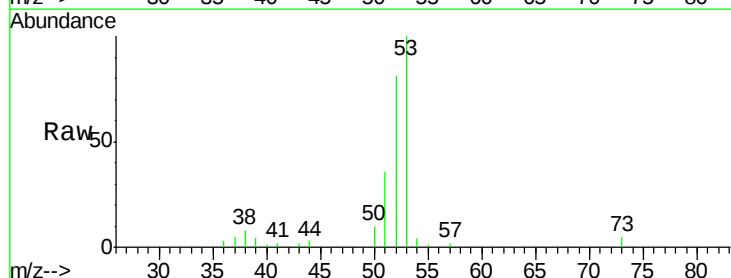
Tgt Ion: 53 Resp: 55648

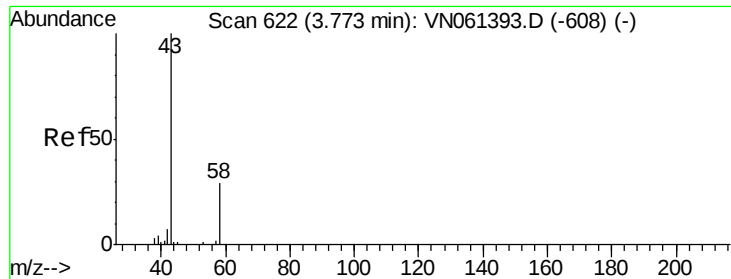
Ion Ratio Lower Upper

53 100

52 80.5 42.2 126.6

51 37.3 18.8 56.4





#15

Acetone

Concen: 101.229 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBSD01

Tot Ion: 58 Resp: 13417

Ion Ratio Lower Upper

58 100

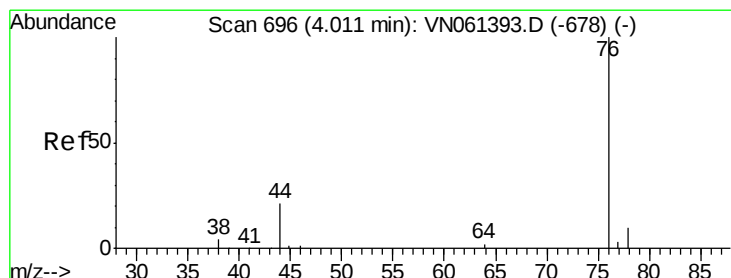
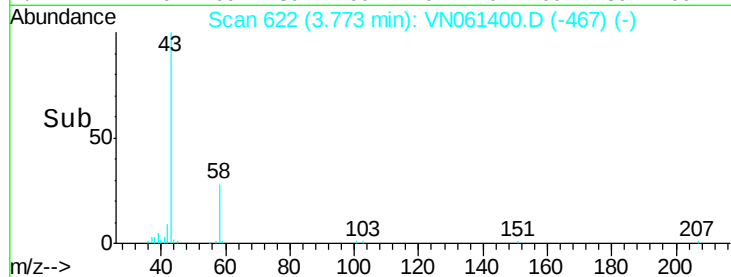
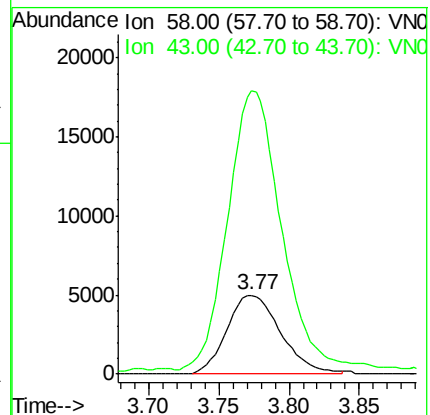
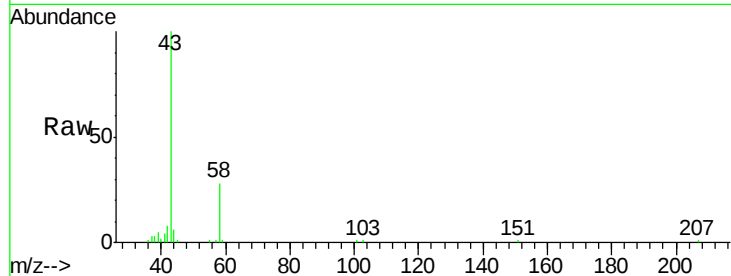
43 342.3 281.7 422.5

Manual Integrations

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#16

Carbon Disulfide

Concen: 21.831 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.00 min

Lab File: VN061400.D

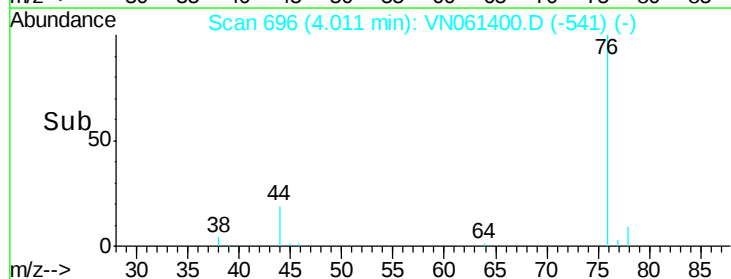
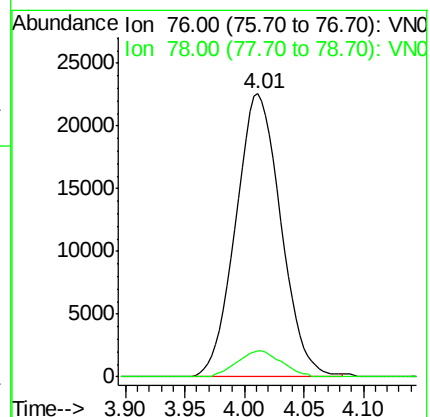
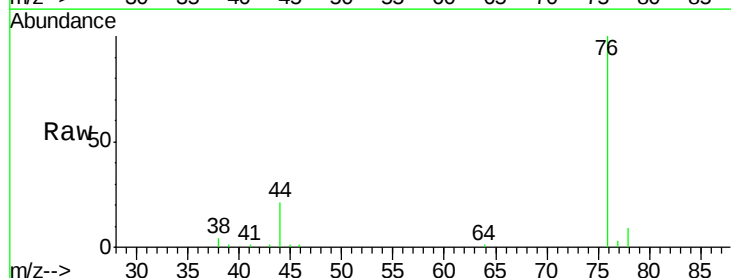
Acq: 14 May 2020 18:07

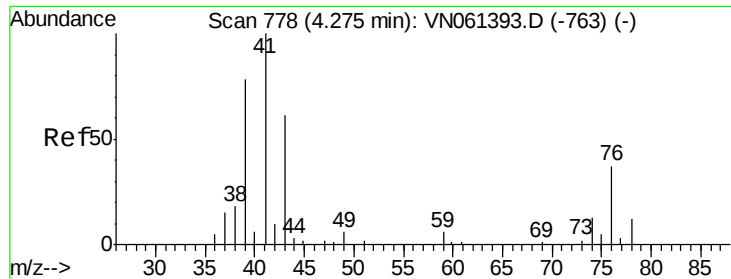
Tgt Ion: 76 Resp: 59417

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#17

Allvl chloride

Concen: 21.507 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

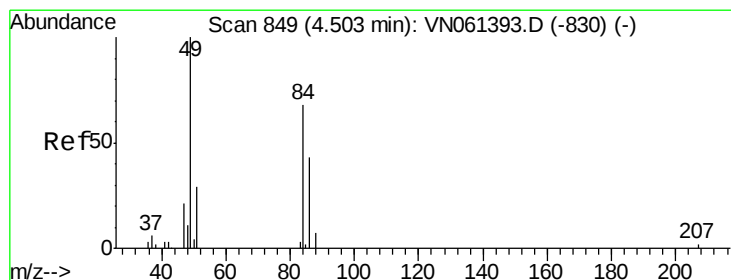
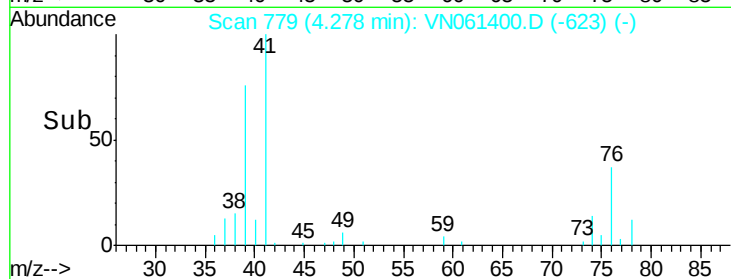
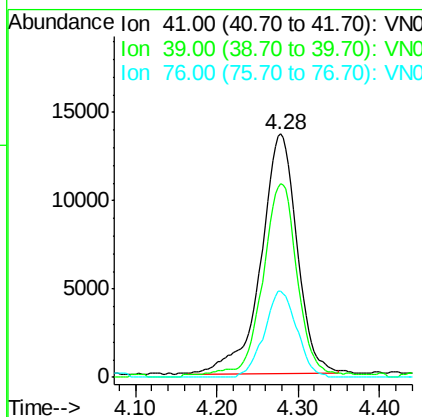
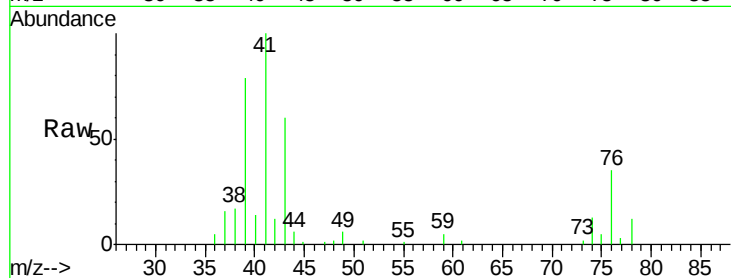
ClientSampleId :

VN0514WBSD01

Tot Ion:	41	Resp:	41913
Ion	Ratio	Lower	Upper
41	100		
39	79.6	39.6	118.8
76	36.0	17.6	52.9

Manual Integrations
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#18

Methylene Chloride

Concen: 19.782 ug/l

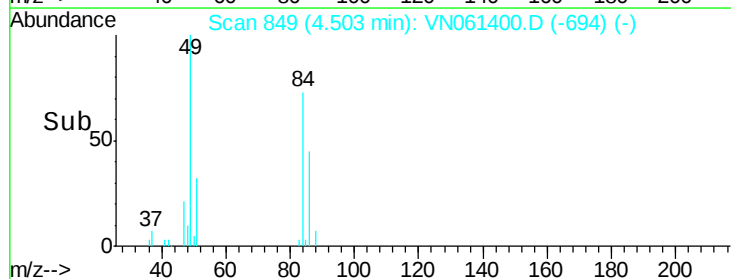
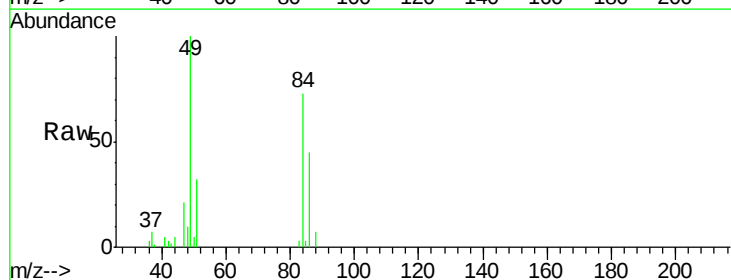
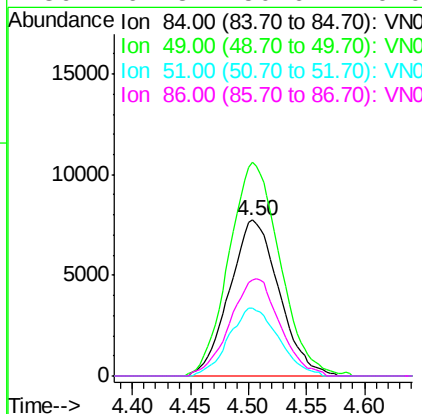
RT: 4.50 min Scan# 849

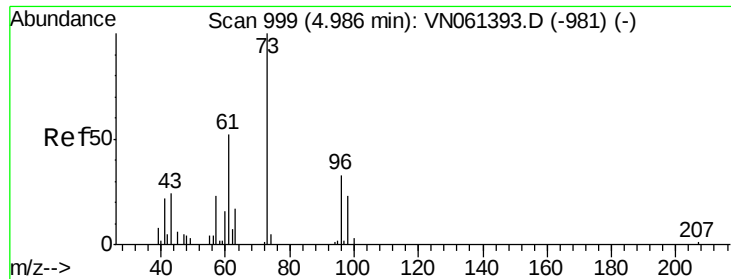
Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Tgt Ion:	84	Resp:	23114
Ion	Ratio	Lower	Upper
84	100		
49	135.0	106.6	160.0
51	43.6	32.4	48.6
86	61.8	50.6	76.0





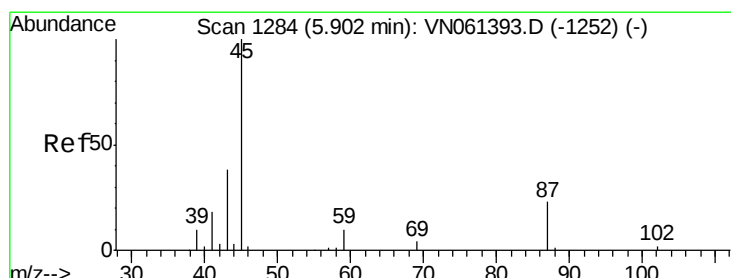
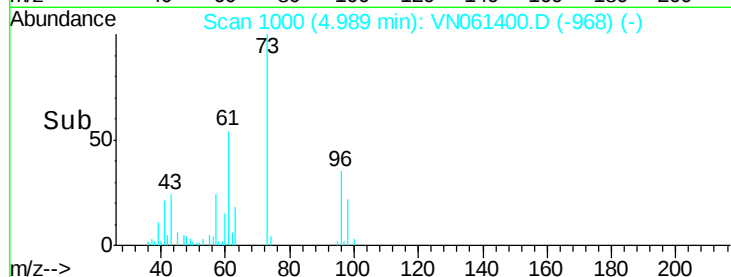
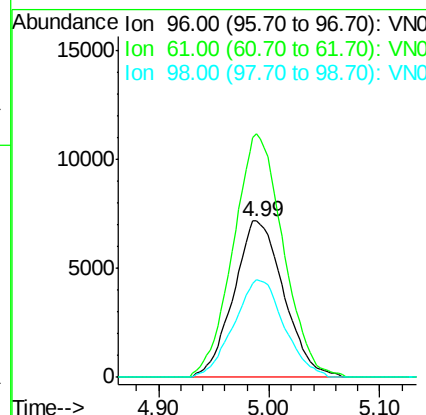
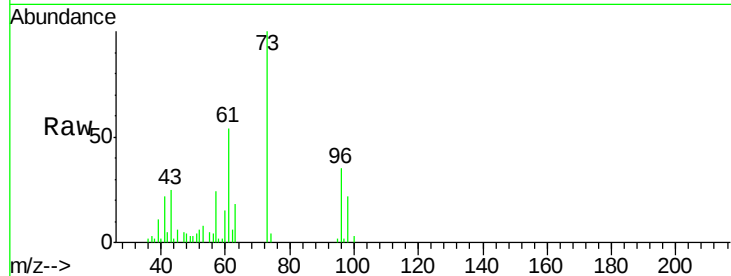
#19
trans-1,2-Dichloroethene
Concen: 19.639 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampled :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.5	131.8	197.6
98	62.5	52.6	79.0

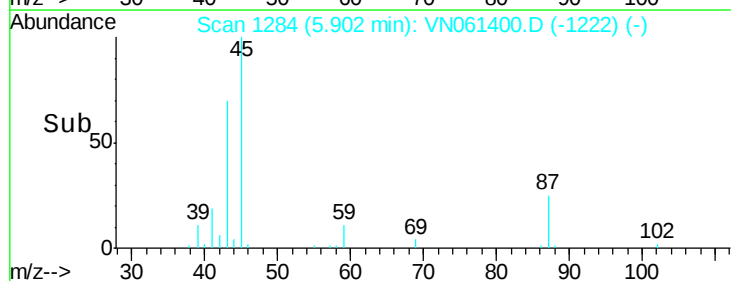
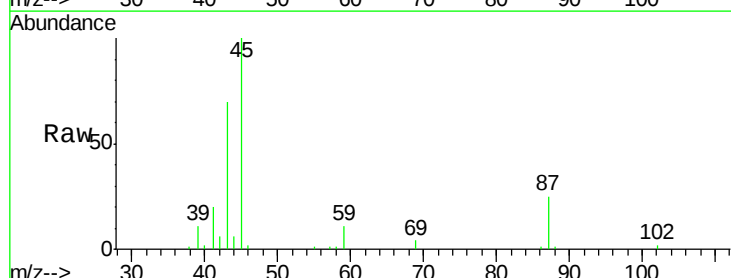
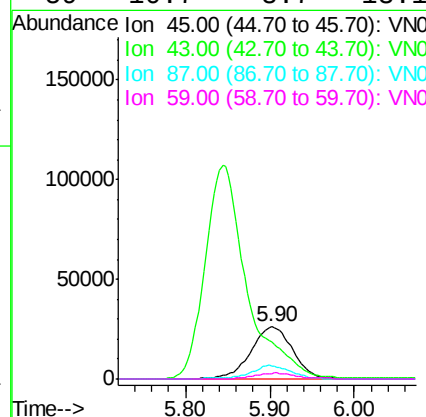
Manual Integrations
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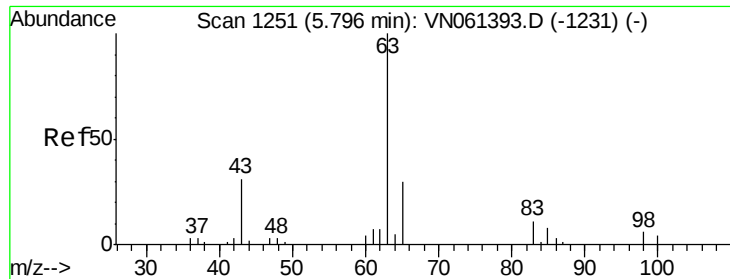
MMDadoda
5/15/2020 2:10:57 PM



#20
Diisopropyl ether
Concen: 19.915 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.0	54.7	82.1
87	25.4	21.5	32.3
59	10.7	8.7	13.1





#21

1,1-Dichloroethane

Concen: 19.977 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

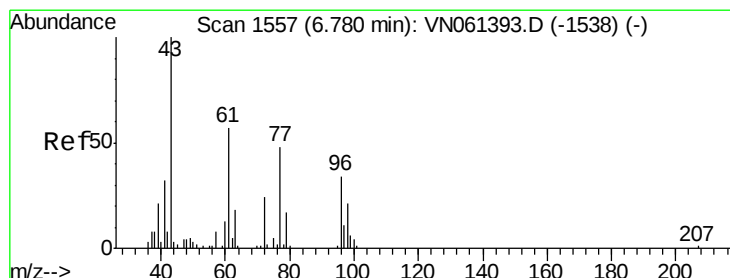
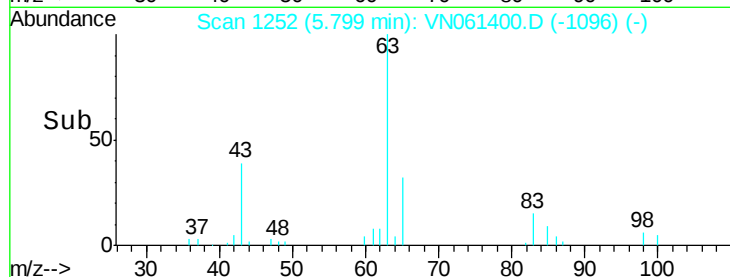
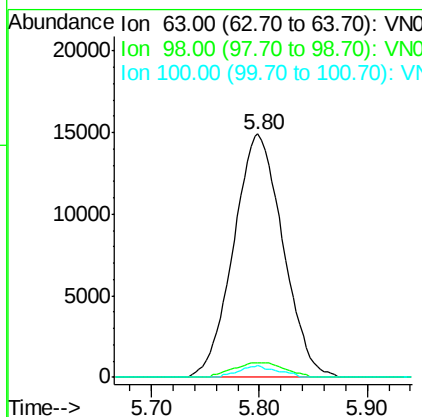
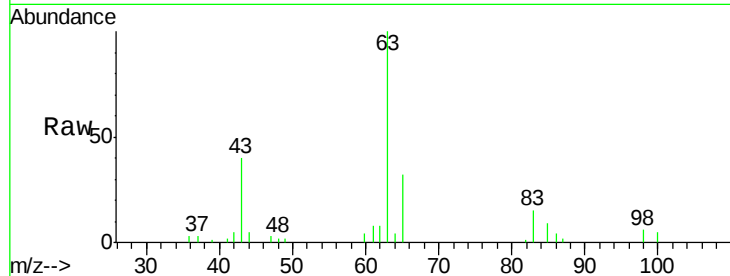
ClientSampleId :

VN0514WBSD01

Tot Ion:	63	Resp:	47324
Ion	Ratio	Lower	Upper
63	100		
98	6.1	2.9	8.6
100	4.8	1.8	5.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.567 ug/l

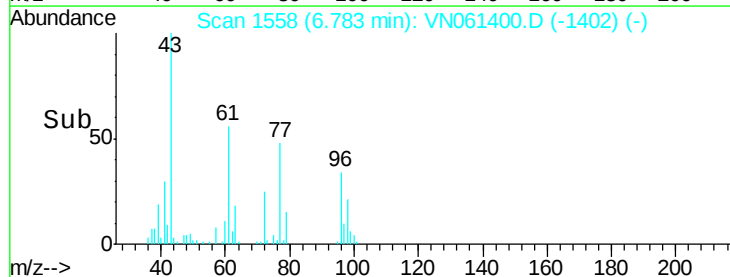
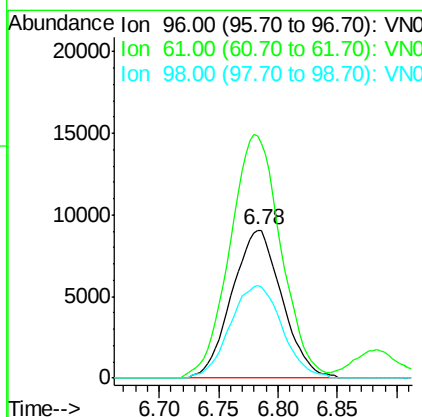
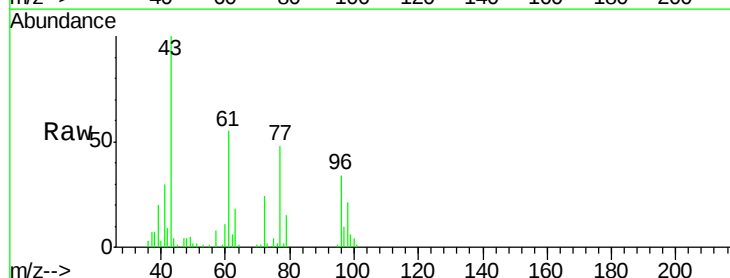
RT: 6.78 min Scan# 1558

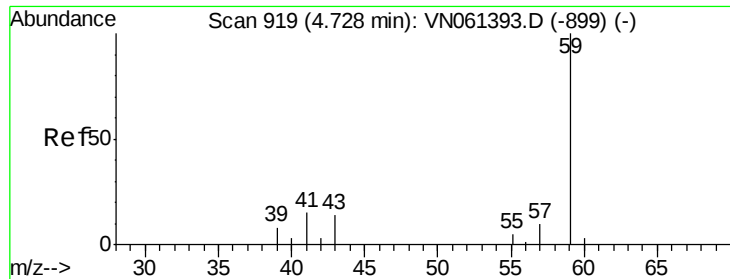
Delta R.T. 0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Tgt Ion:	96	Resp:	26437
Ion	Ratio	Lower	Upper
96	100		
61	167.1	127.2	190.8
98	64.7	50.5	75.7





#23

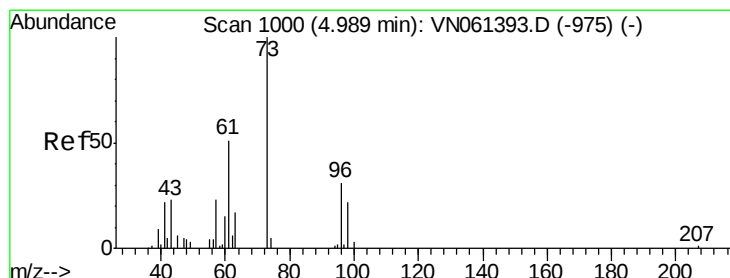
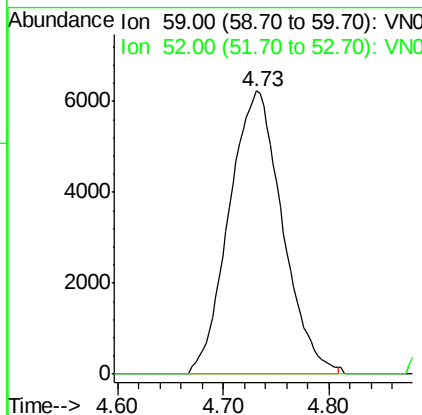
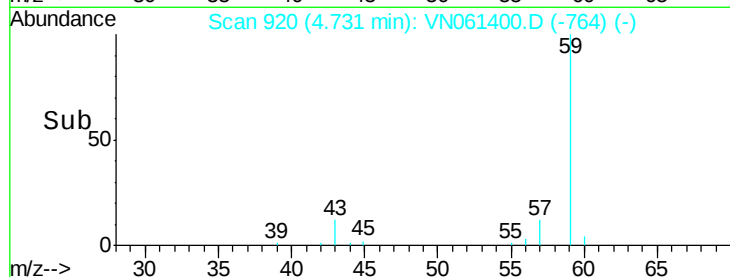
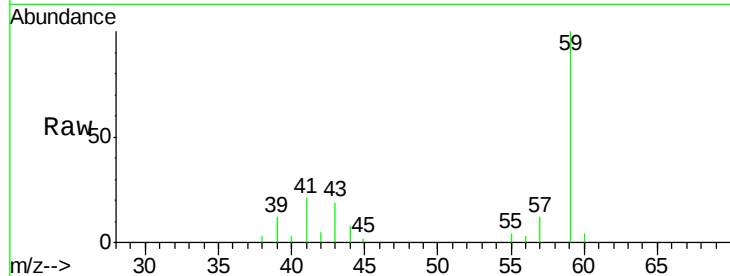
tert-Butyl Alcohol
 Concen: 123.647 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		21876		
52	0.0		0.0	0.0	0.0

Manual Integrations
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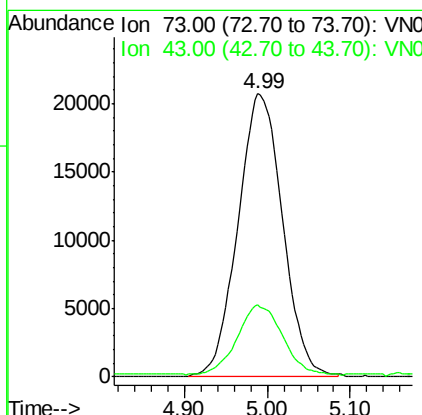
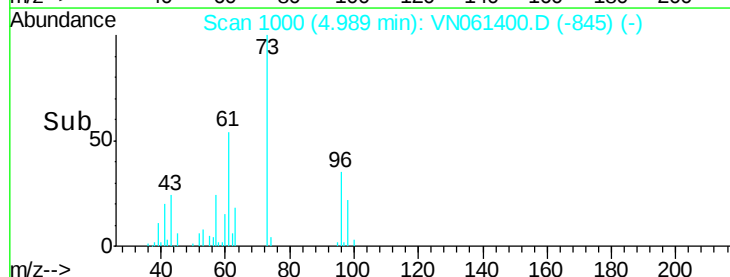
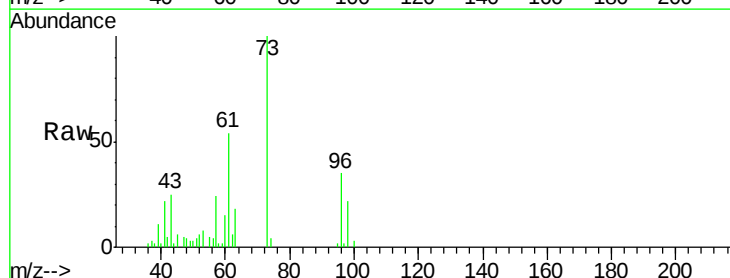
MMDadoda
 5/15/2020 2:10:57 PM

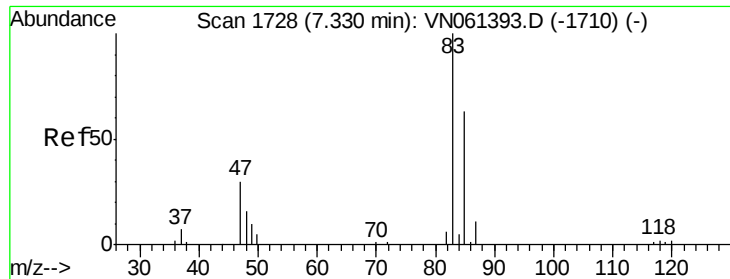


#24

Methyl tert-Butyl Ether
 Concen: 19.778 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		77714		
43	24.4		17.9	26.9	





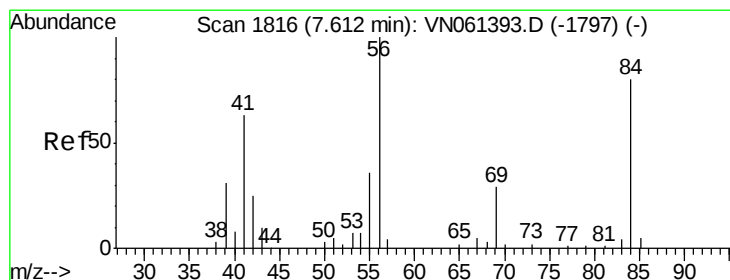
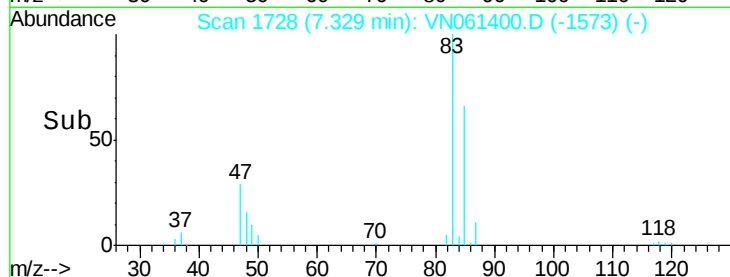
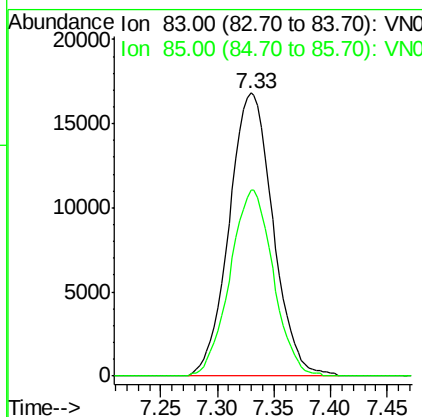
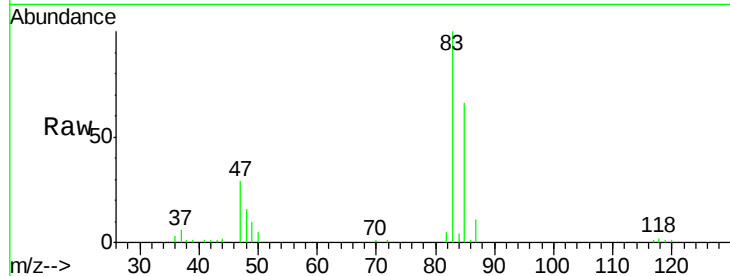
#25
Chloroform
Concen: 19.763 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	83	Resp	45384
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	53.8	80.8

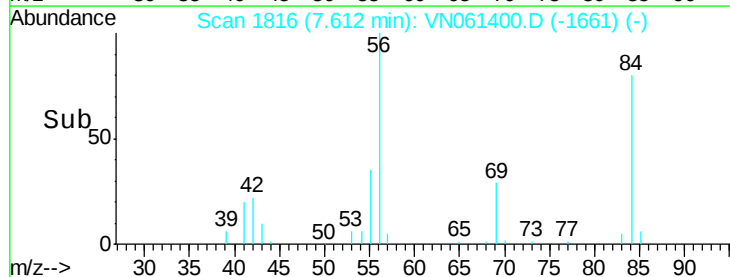
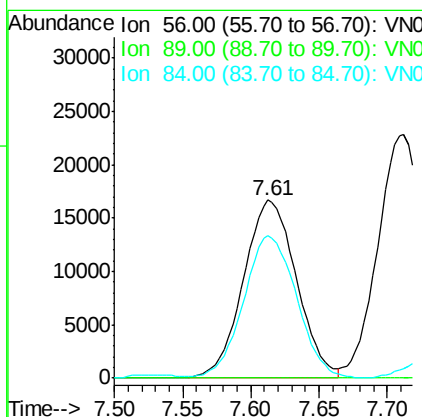
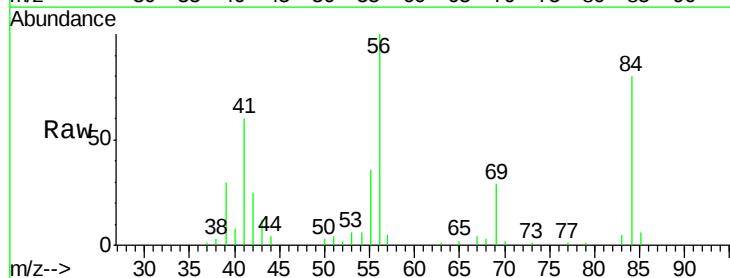
Manual Integrations
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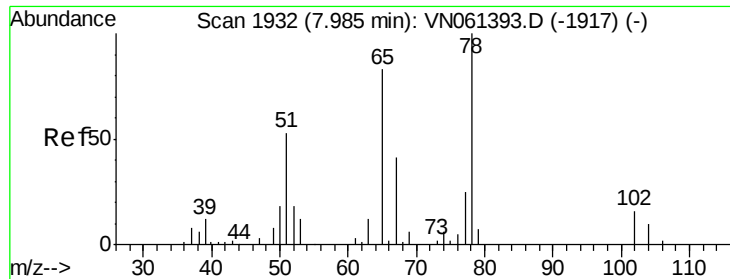
MMDadoda
5/15/2020 2:10:57 PM



#26
Cyclohexane
Concen: 19.900 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	56	Resp	45014
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	6.2	9.2#
84	80.2	65.6	98.4





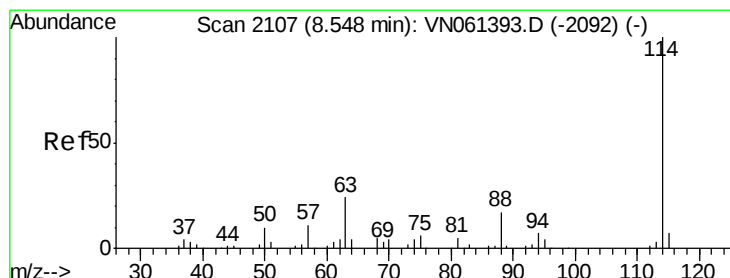
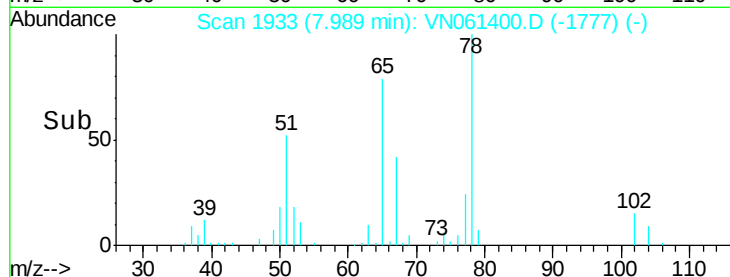
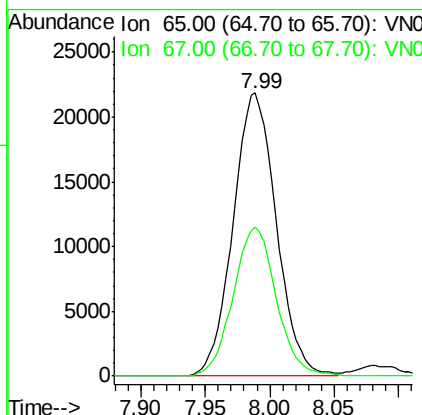
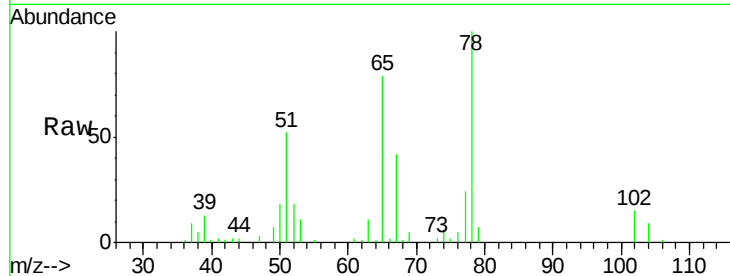
#27
 1,2-Dichloroethane-d4
 Concen: 31.635 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	51065		
67	52.4	41.5	62.3	

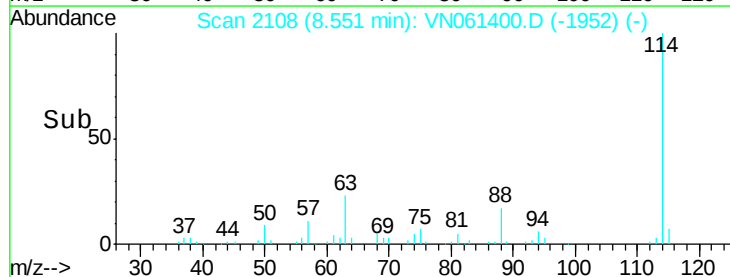
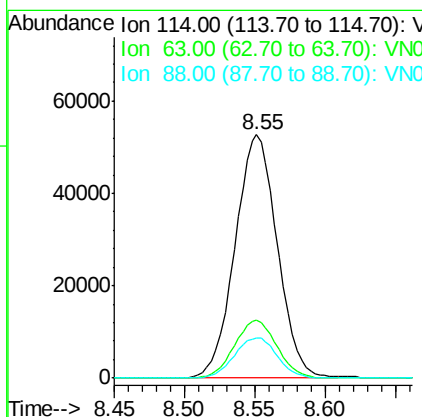
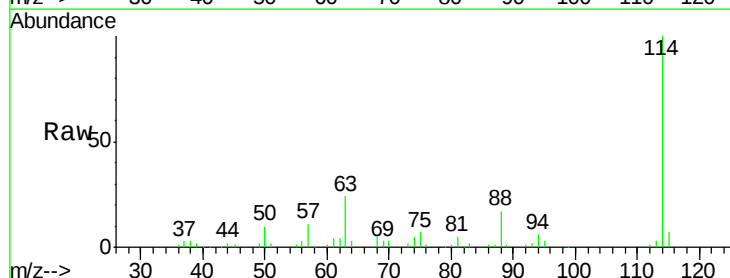
Manual Integrations
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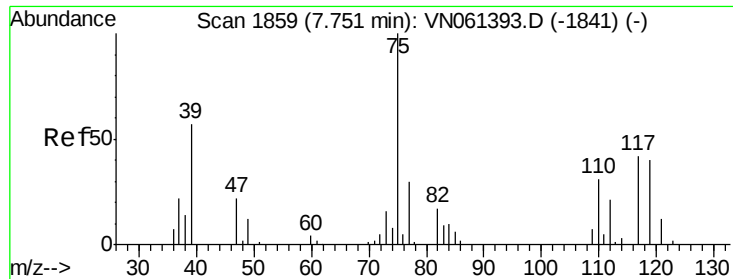
MMDadoda
 5/15/2020 2:10:57 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	110165		
63	24.0	18.1	27.1	
88	16.8	13.0	19.4	





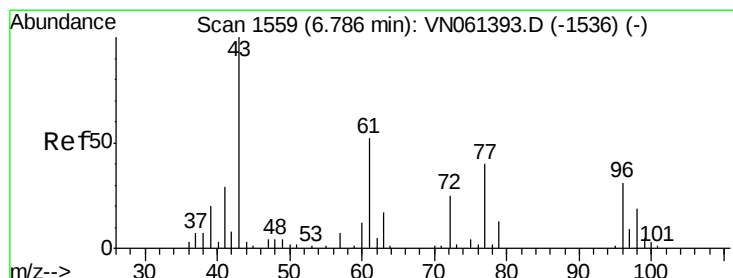
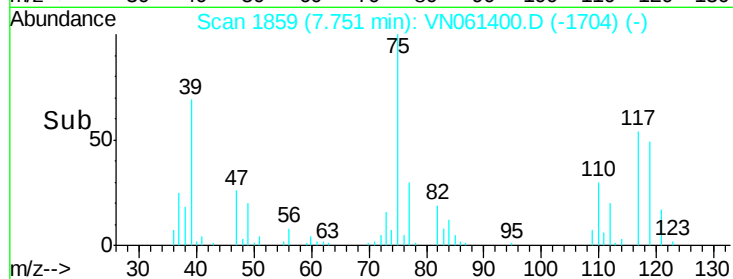
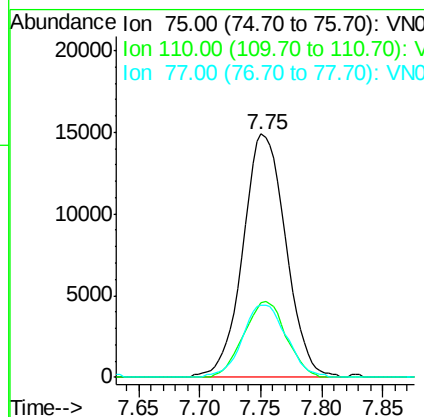
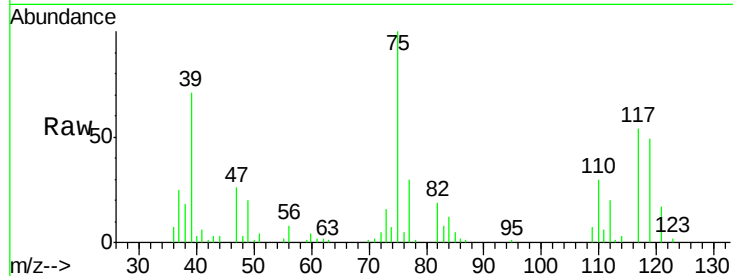
#29
 1,1-Dichloropropene
 Concen: 18.755 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	30.8	0.0	64.6
77	30.5	0.0	60.8

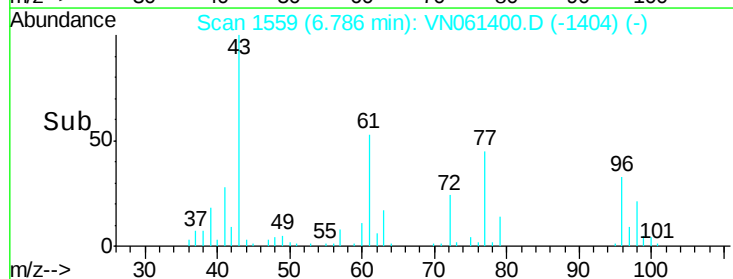
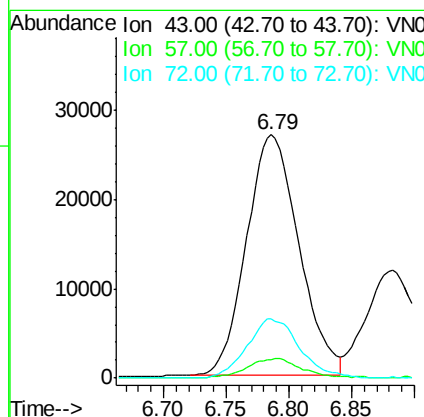
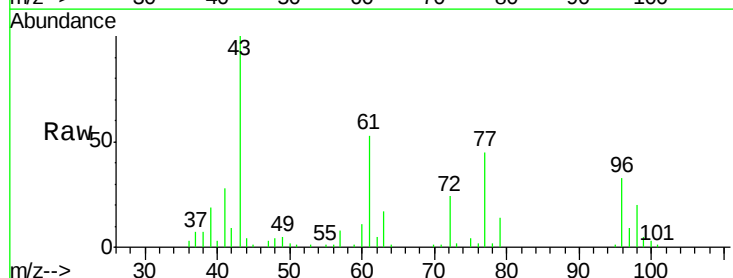
Manual Integrations
 APPROVED

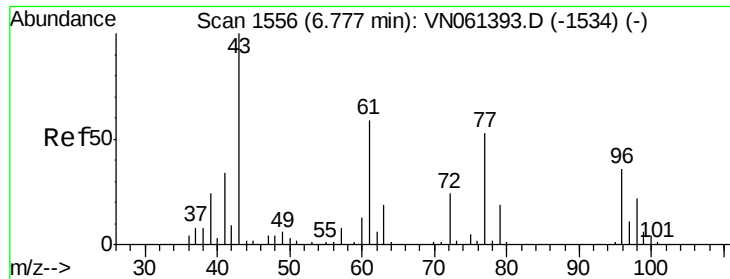
MMDadoda
 5/15/2020 2:10:57 PM



#30
 2-Butanone
 Concen: 95.981 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.4	6.5	9.7
72	24.7	20.1	30.1





#31

2,2-Dichloropropane

Concen: 18.799 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBSD01

Tot Ion: 77 Resp: 42457

Ion Ratio Lower Upper

77 100

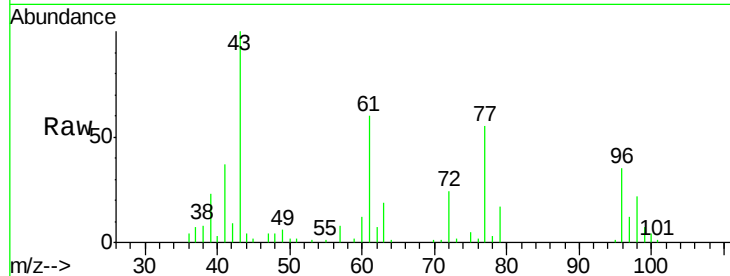
97 20.5 17.9 26.9

Manual Integrations

APPROVED

MMDadoda

5/15/2020 2:10:57 PM



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.78

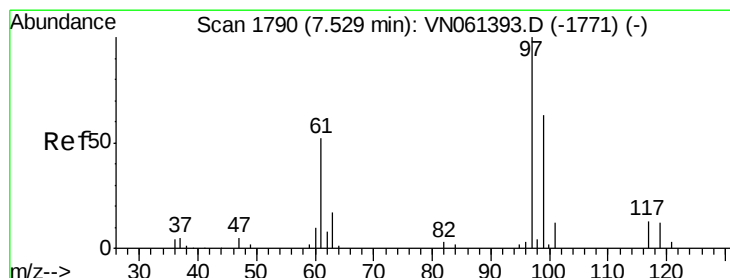
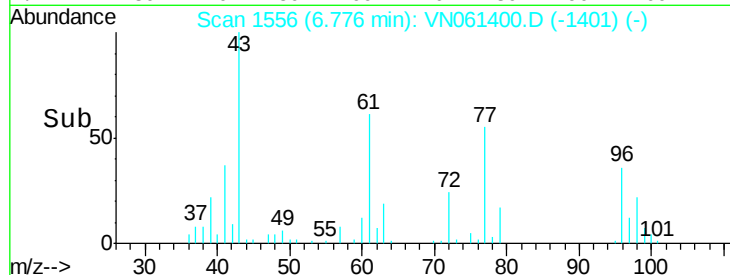
15000

10000

5000

0

Time-->



#32

1,1,1-Trichloroethane

Concen: 18.636 ug/l

RT: 7.53 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

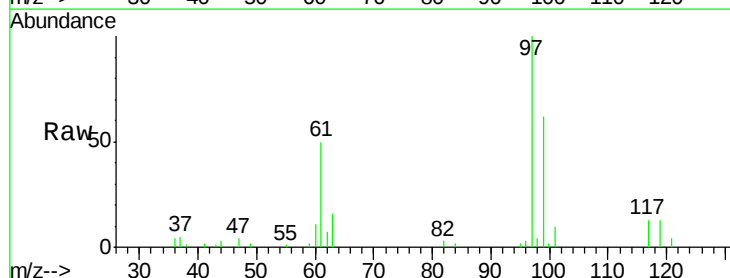
Tgt Ion: 97 Resp: 40309

Ion Ratio Lower Upper

97 100

99 63.2 51.3 76.9

61 50.3 38.4 57.6



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

20000

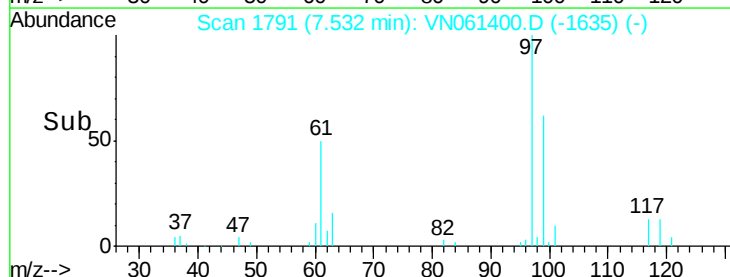
15000

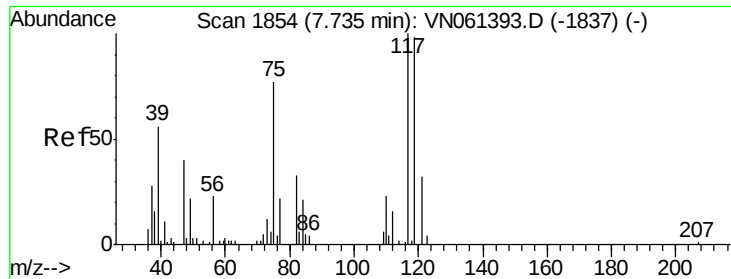
10000

5000

0

Time-->





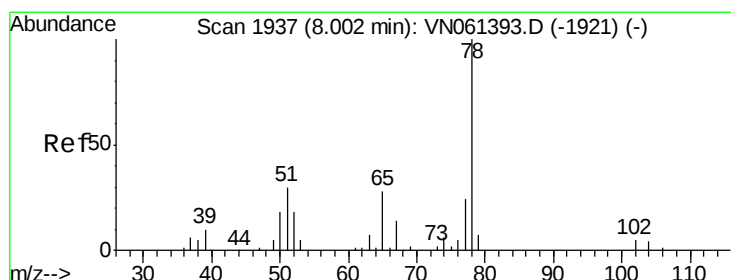
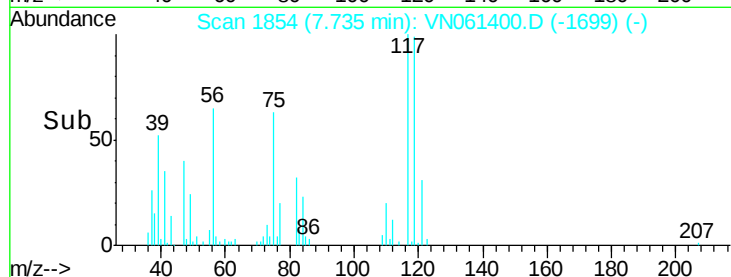
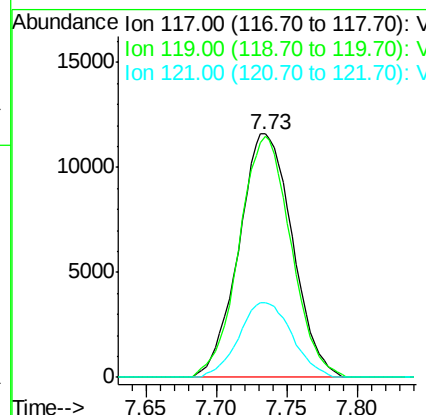
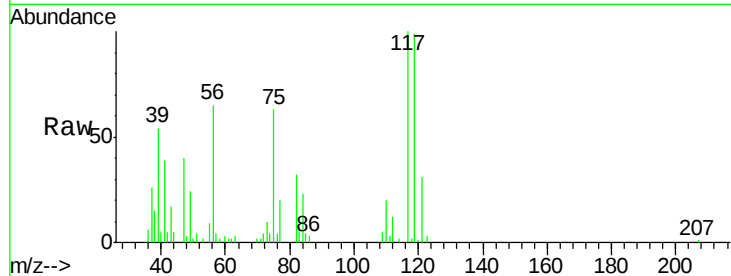
#33
Carbon Tetrachloride
Concen: 18.524 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.9	115.3
121	30.8	23.8	35.8

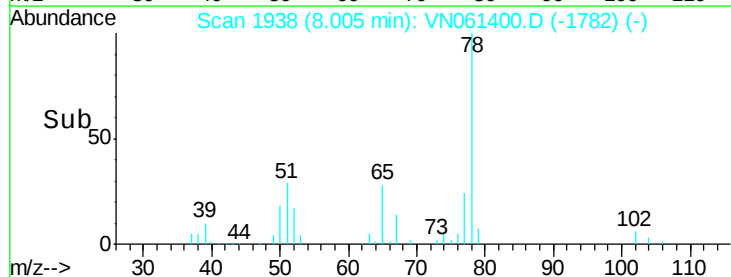
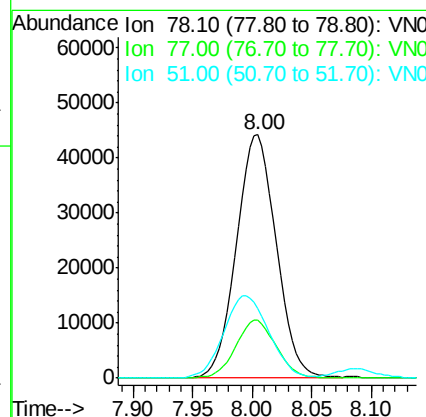
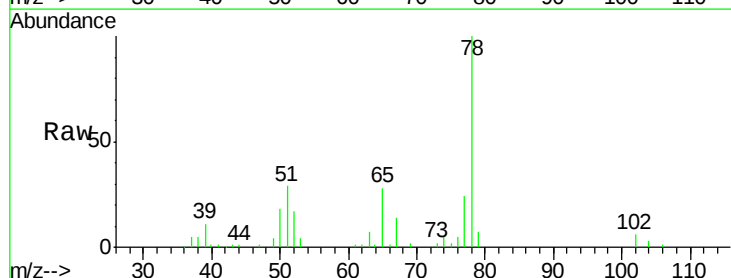
Manual Integrations
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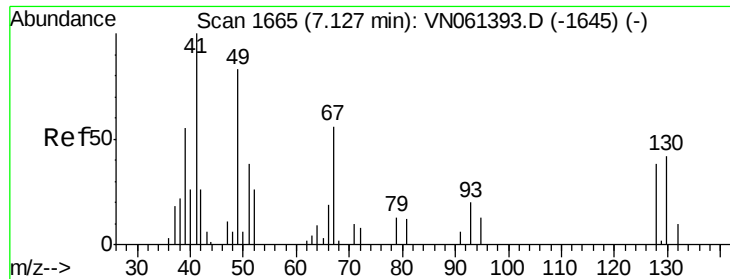
MMDadoda
5/15/2020 2:10:57 PM



#34
Benzene
Concen: 18.796 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8
51	27.6	22.1	33.1





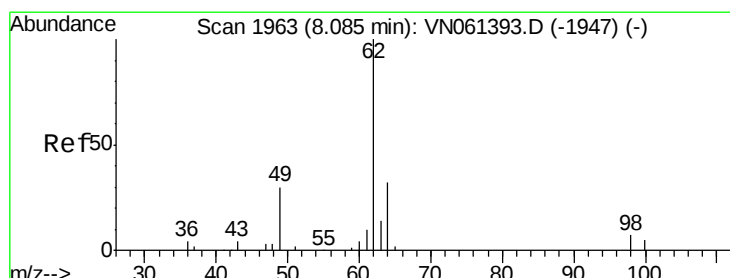
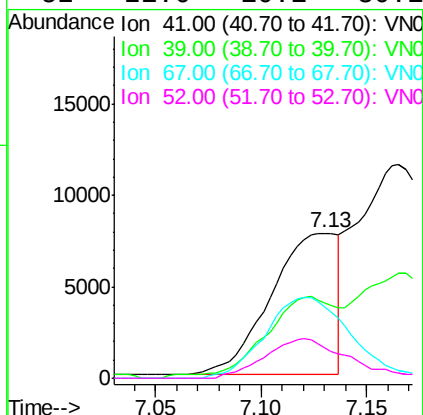
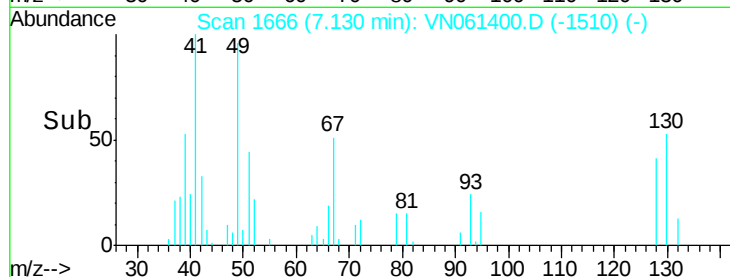
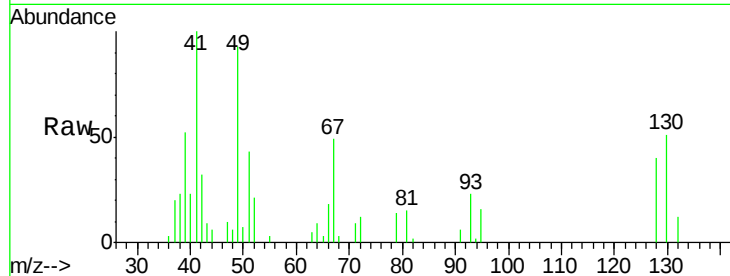
#35
Methacrylonitrile
Concen: 20.594 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.8	25.8	77.4
67	50.8	23.0	69.0
52	21.6	10.1	30.1

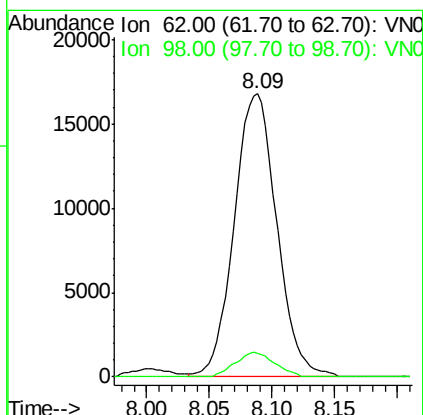
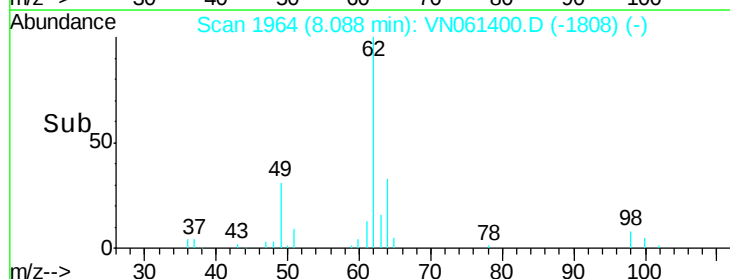
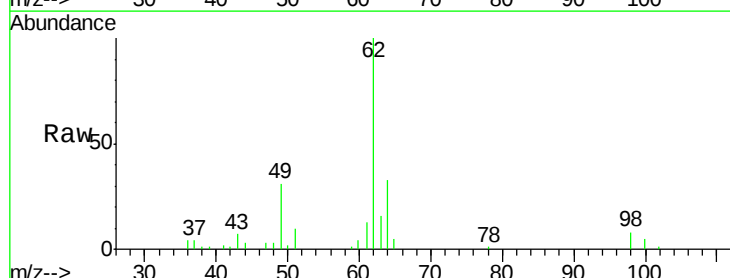
Manual Integrations
APPROVED

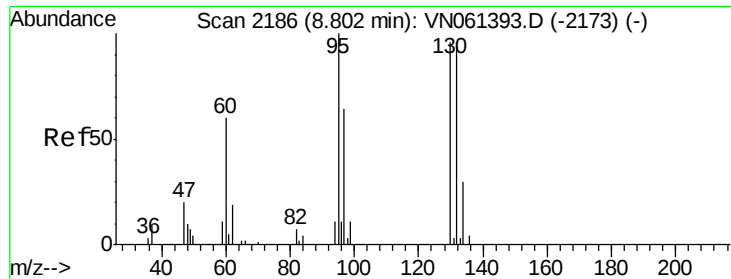
MMDadoda
5/15/2020 2:10:57 PM



#36
1,2-Dichloroethane
Concen: 18.875 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	6.4	9.6





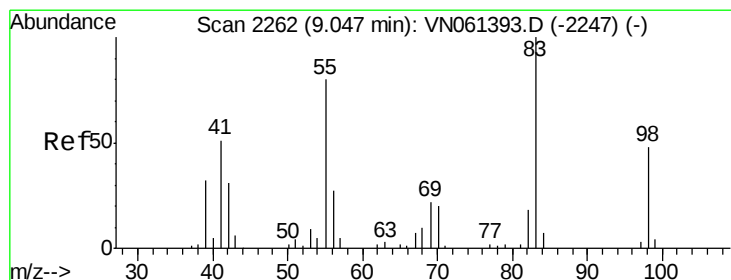
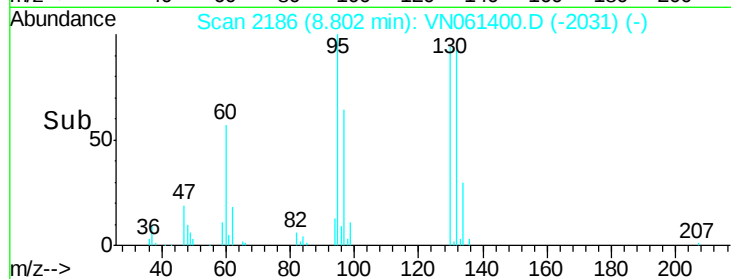
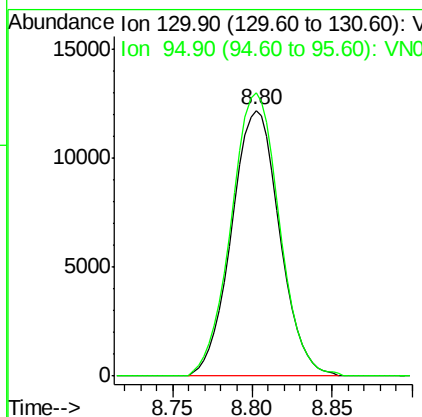
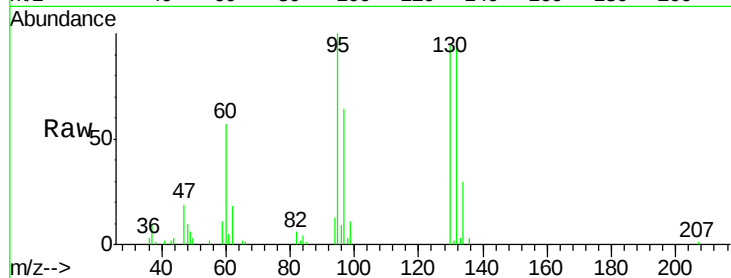
#37
 Trichloroethene
 Concen: 18.646 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBSD01

Tot Ion:130 Resp: 25109
 Ion Ratio Lower Upper
 130 100
 95 106.4 83.2 124.8

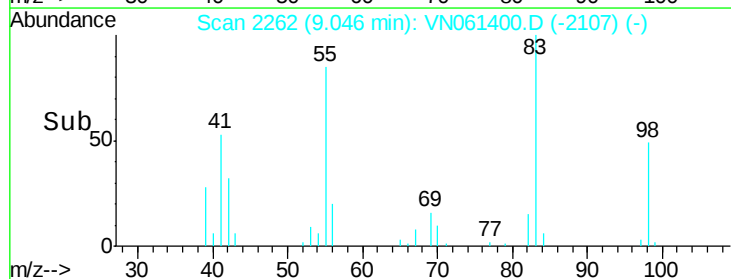
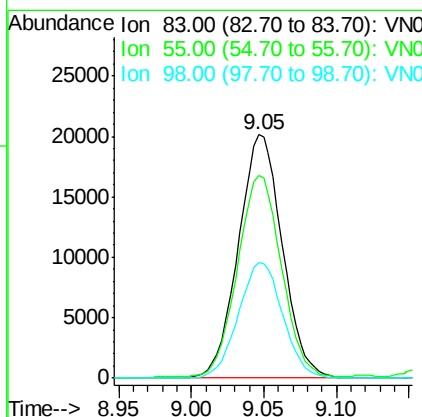
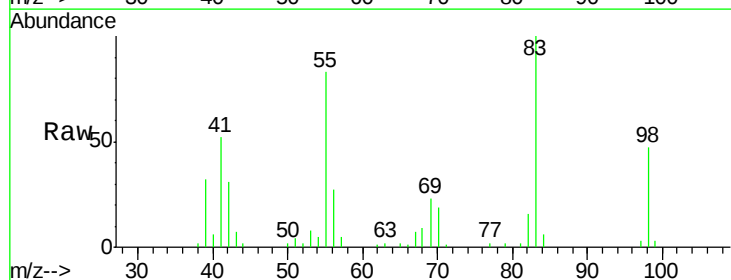
Manual Integrations
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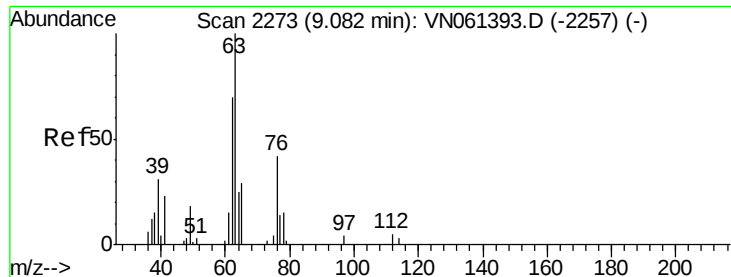
MMDadoda
 5/15/2020 2:10:57 PM



#38
 Methylcyclohexane
 Concen: 18.268 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Tgt Ion: 83 Resp: 42395
 Ion Ratio Lower Upper
 83 100
 55 84.0 40.4 121.1
 98 47.7 21.6 65.0





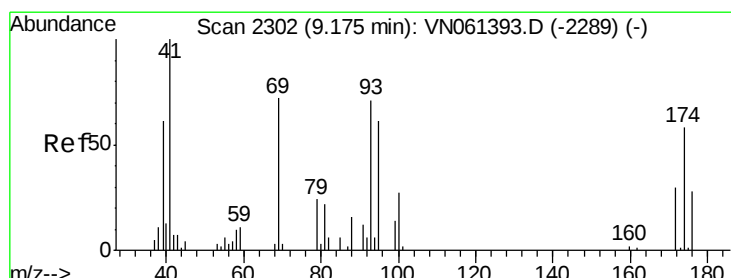
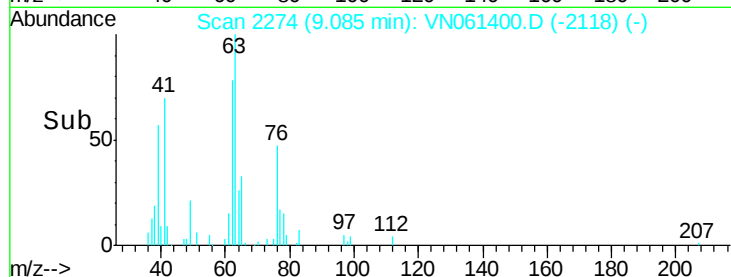
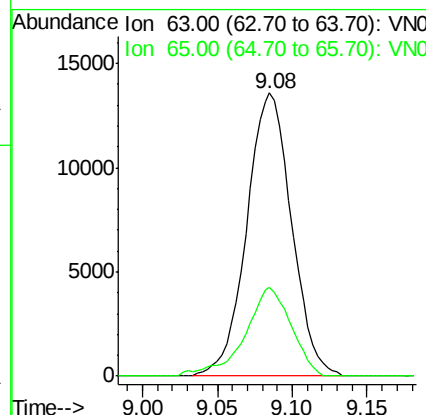
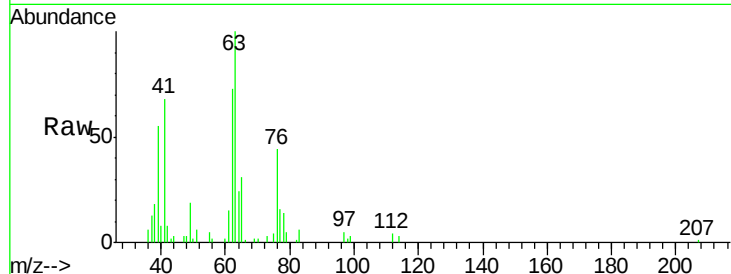
#39
 1,2-Dichloropropane
 Concen: 18.843 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	23.8	35.6

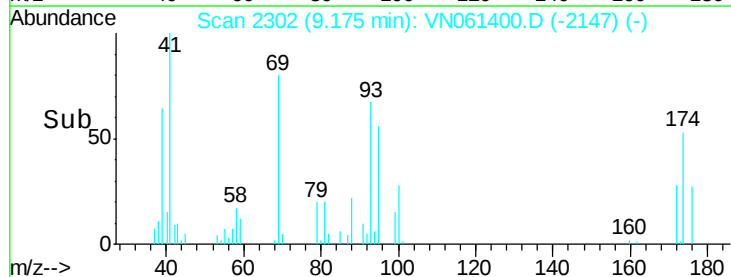
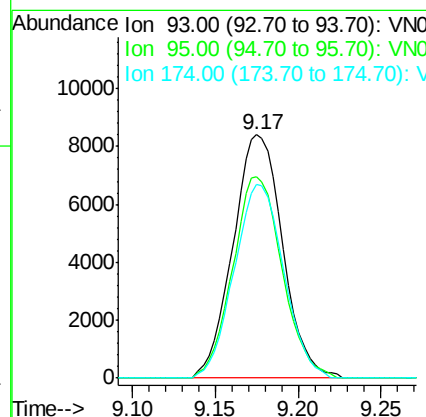
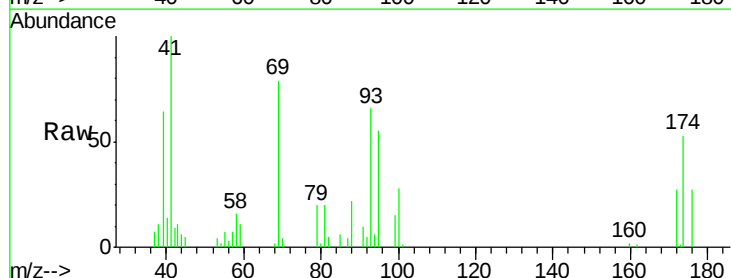
Manual Integrations
 APPROVED

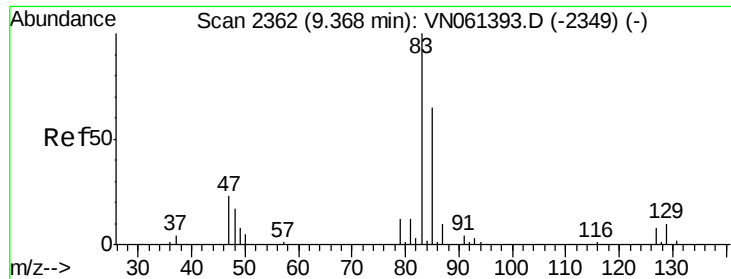
MMDadoda
 5/15/2020 2:10:57 PM



#40
 Dibromomethane
 Concen: 18.853 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	0.0	167.6
174	79.6	0.0	187.2





#41

Bromodichloromethane

Concen: 18.619 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

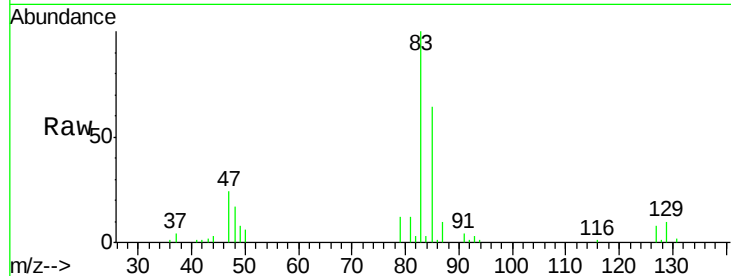
ClientSampleId :

VN0514WBSD01

Tot Ion:	83	Resp:	37511
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.0	76.4
127	7.6	6.6	9.8

Manual Integrations
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MMDadoda
5/15/2020 2:10:57 PM

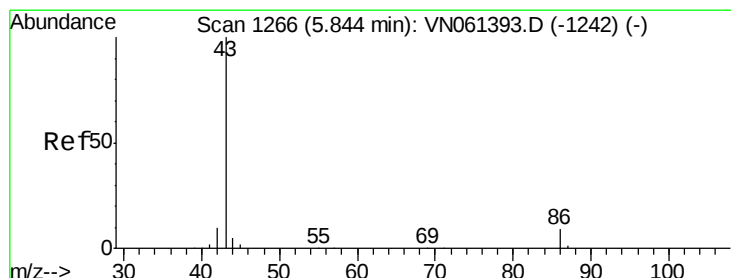
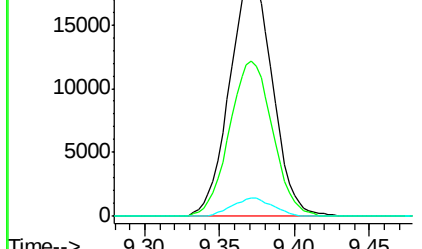
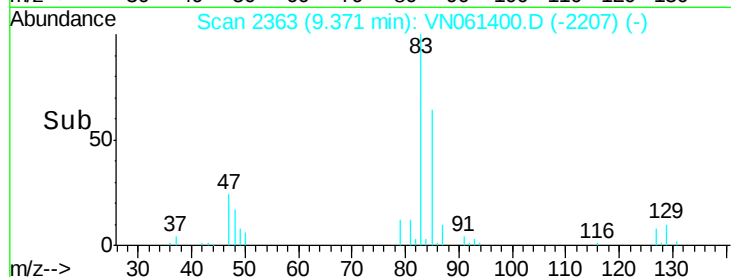


Abundance Ion 83.00 (82.70 to 83.70): VN061393.D (-2349) (-)

Ion 85.00 (84.70 to 85.70): VN061393.D (-2349) (-)

Ion 127.00 (126.70 to 127.70): VN061393.D (-2349) (-)

Time-->



#42

Vinyl Acetate

Concen: 94.542 ug/l

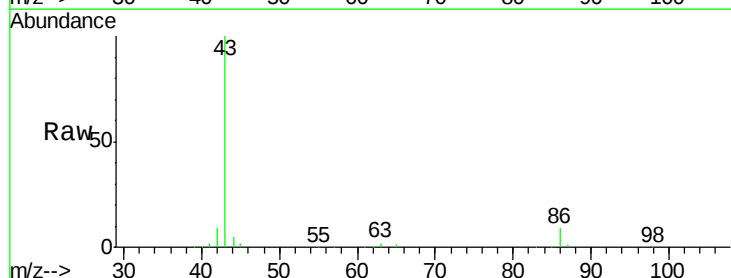
RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

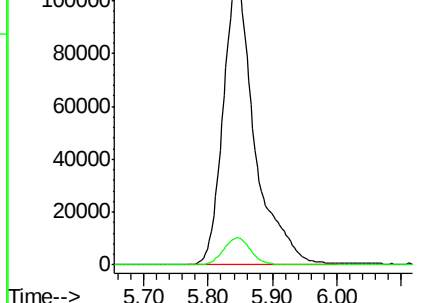
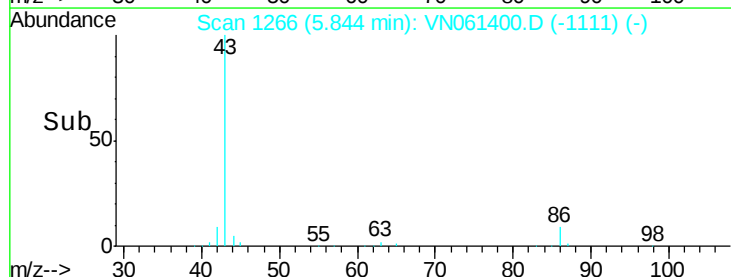
Tgt Ion:	43	Resp:	367150
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.5	9.7

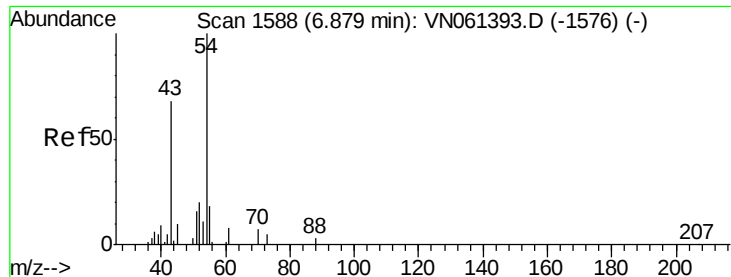


Abundance Ion 43.00 (42.70 to 43.70): VN061393.D (-1242) (-)

Ion 86.00 (85.70 to 86.70): VN061393.D (-1242) (-)

Time-->





#43

Ethyl Acetate

Concen: 18.585 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBSD01

Tot Ion: 43 Resp: 32463

Ion Ratio Lower Upper

43 100

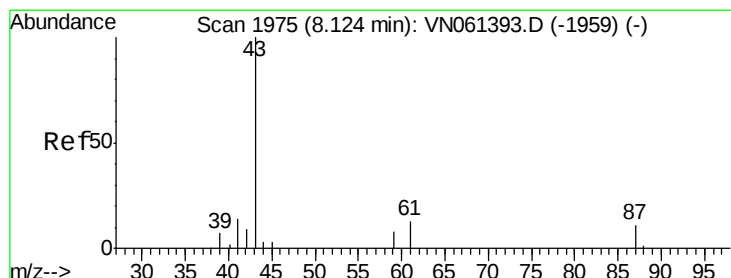
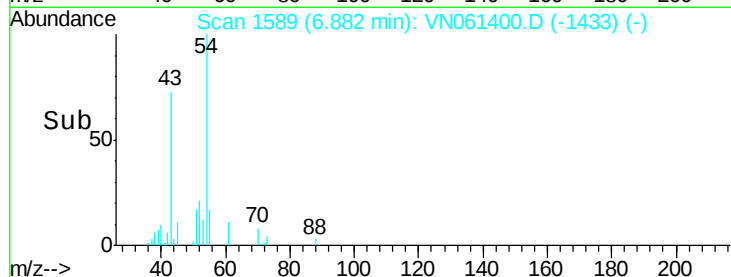
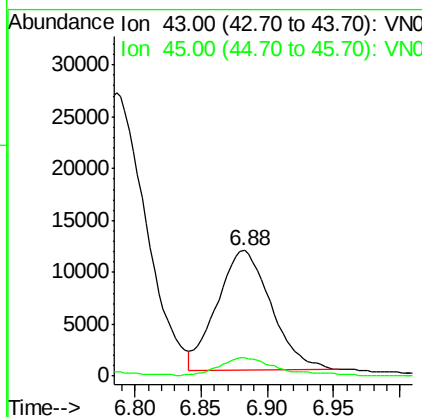
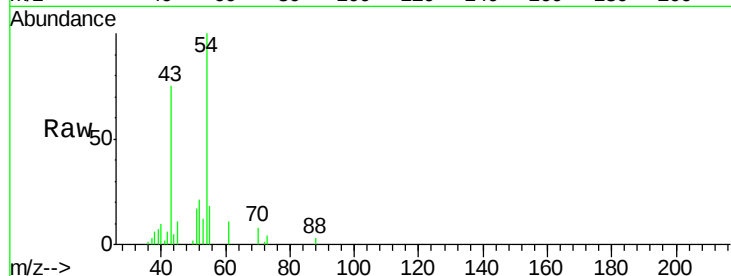
45 15.6 9.7 14.5#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 18.740 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061400.D

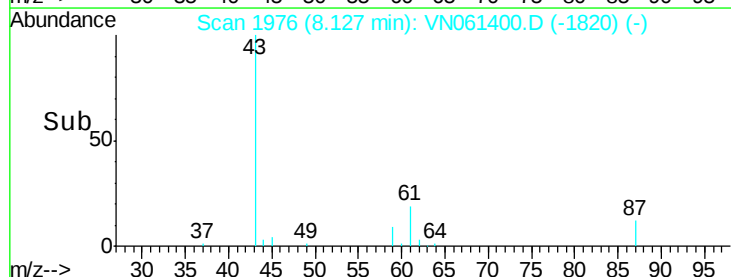
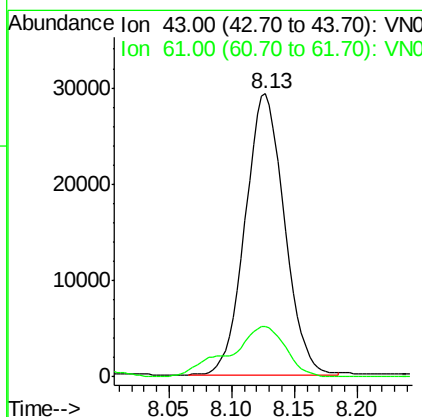
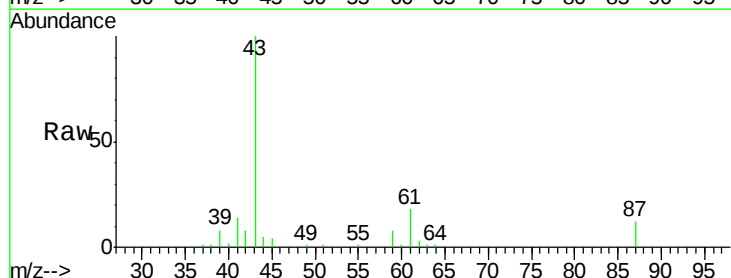
Acq: 14 May 2020 18:07

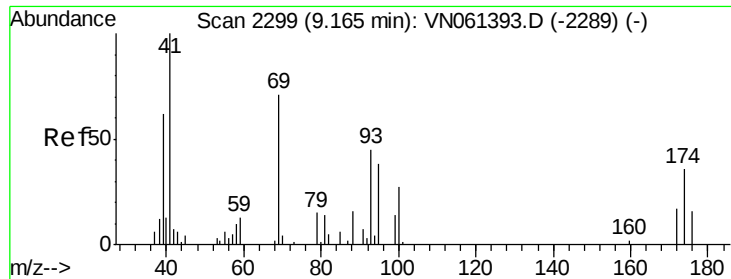
Tgt Ion: 43 Resp: 63557

Ion Ratio Lower Upper

43 100

61 25.7 19.9 29.9





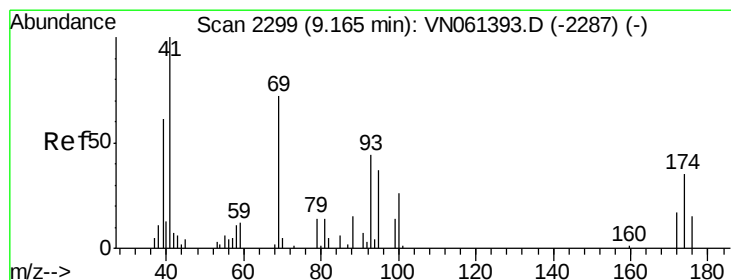
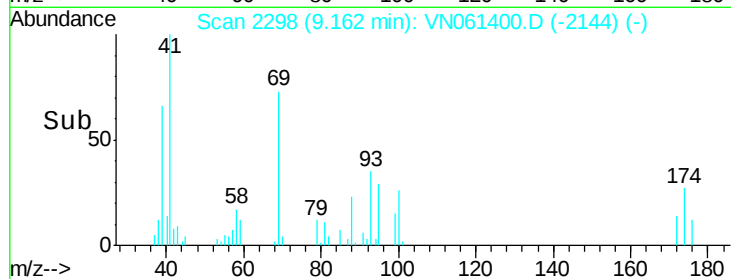
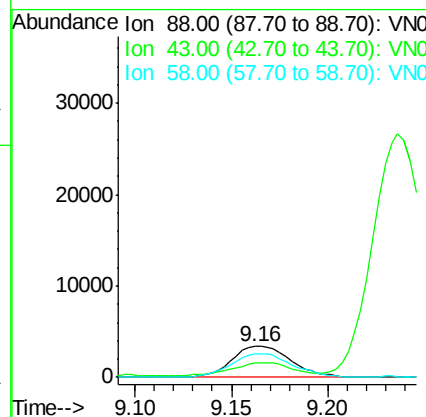
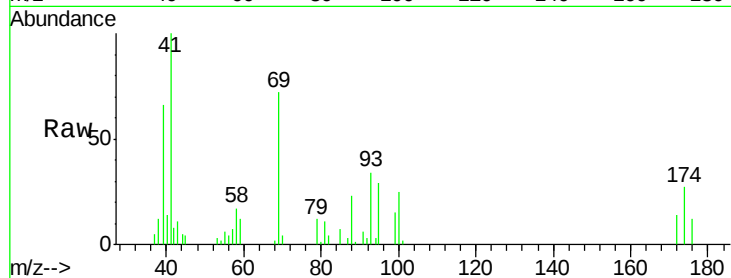
#45
1,4-Dioxane
Concen: 536.467 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	29.8	44.8
58	78.4	58.2	87.4

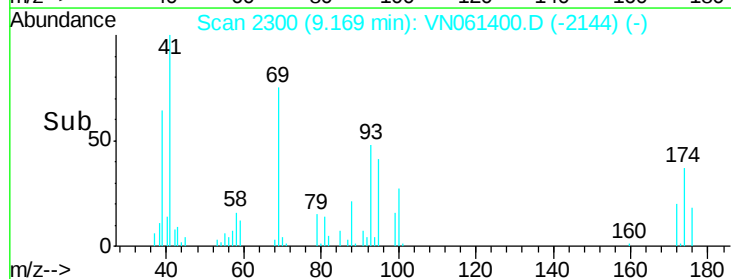
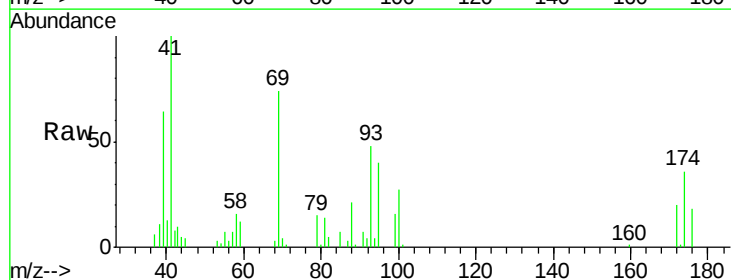
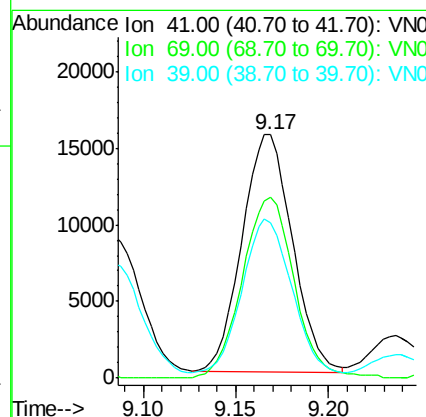
Manual Integrations
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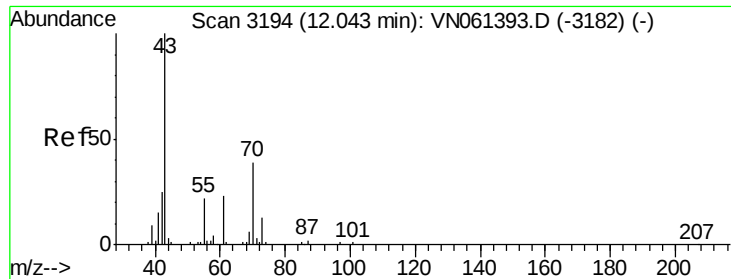
MMDadoda
5/15/2020 2:10:57 PM



#46
Methyl methacrylate
Concen: 18.285 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.6	40.2	120.5
39	63.5	29.9	89.8





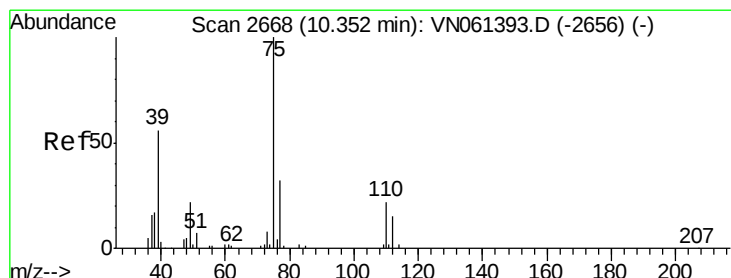
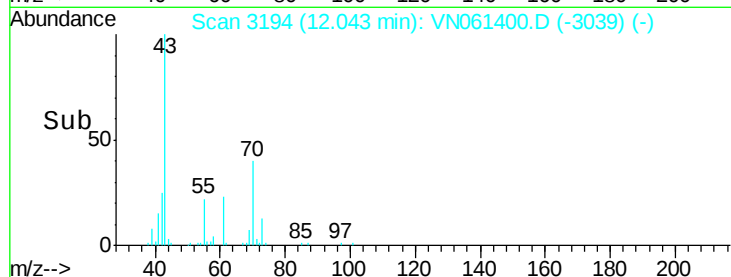
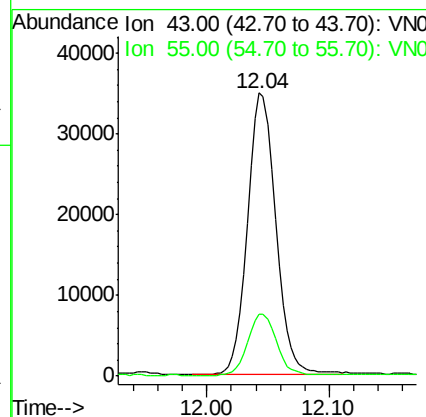
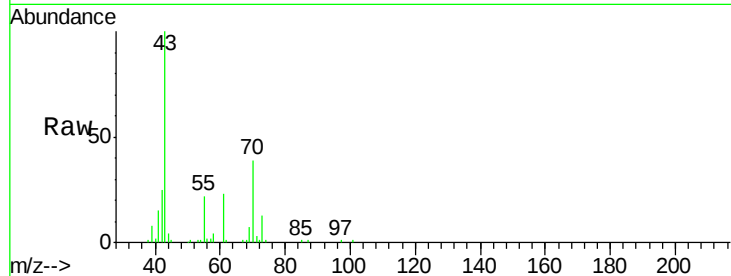
#47
n-amyl Acetate
Concen: 18.391 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion: 43 Resp: 55632
Ion Ratio Lower Upper
43 100
55 22.9 19.6 29.4

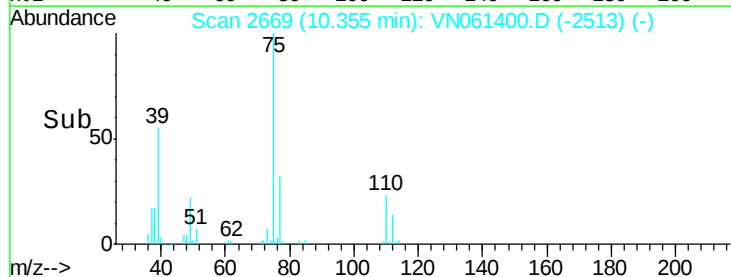
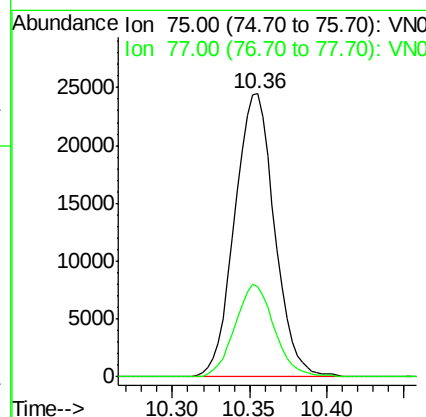
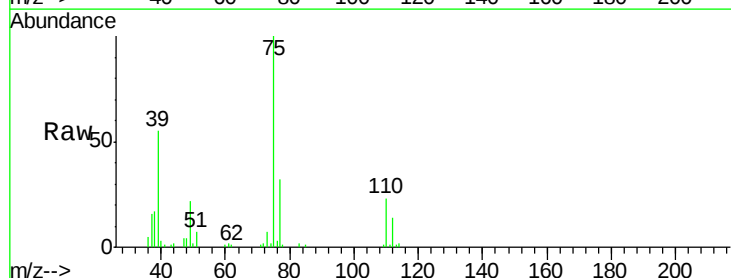
Manual Integrations
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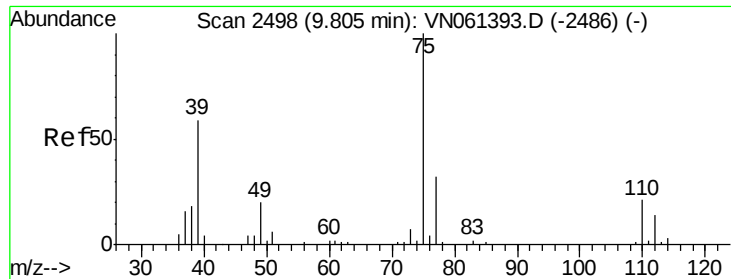
MMDadoda
5/15/2020 2:10:57 PM



#48
t-1,3-Dichloropropene
Concen: 18.443 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion: 75 Resp: 43848
Ion Ratio Lower Upper
75 100
77 31.8 27.0 40.4





#49

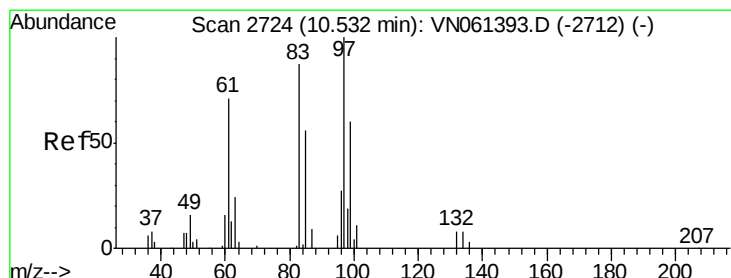
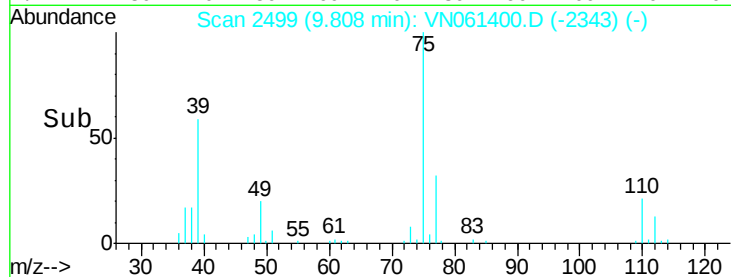
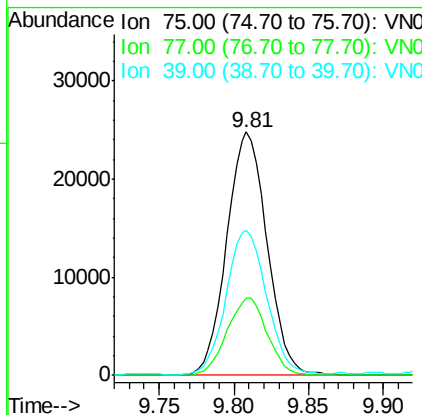
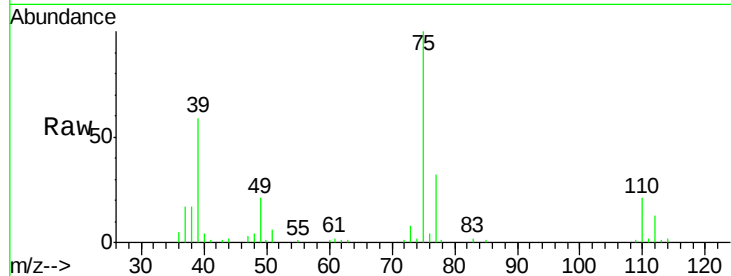
cis-1,3-Dichloropropene
Concen: 18.507 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.1	39.1
39	58.5	43.1	64.7

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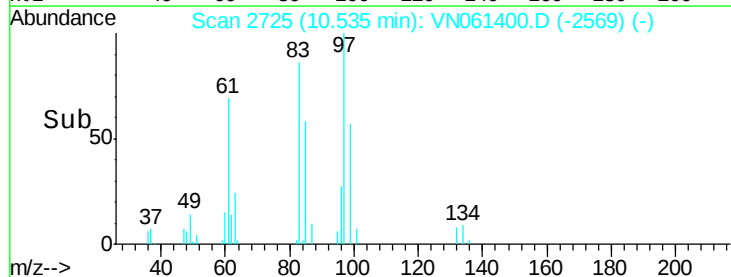
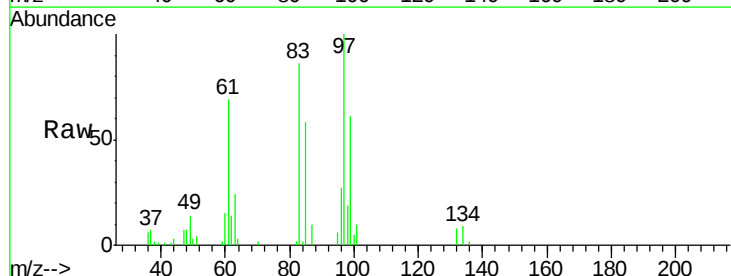
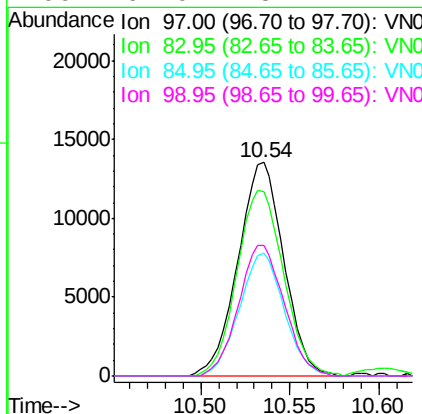
MMDadoda
5/15/2020 2:10:57 PM

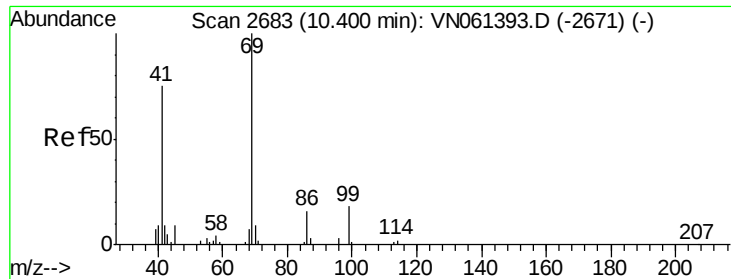


#50

1,1,2-Trichloroethane
Concen: 18.944 ug/l
RT: 10.54 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.7	106.1
85	57.7	45.1	67.7
99	61.0	48.2	72.4





#51

Ethyl methacrylate

Concen: 18.320 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

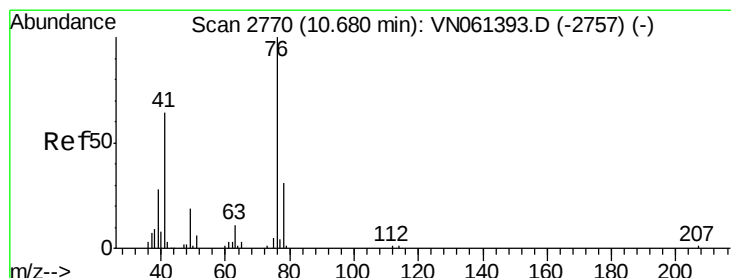
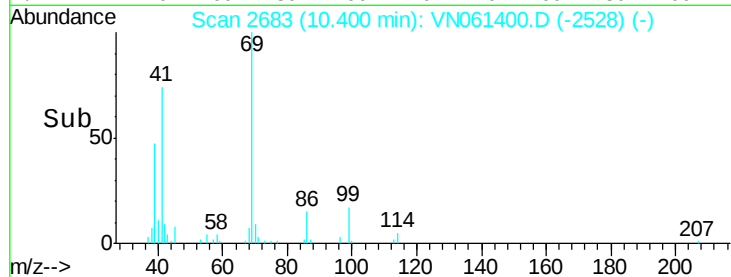
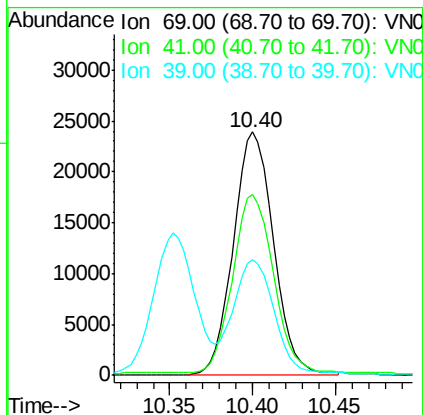
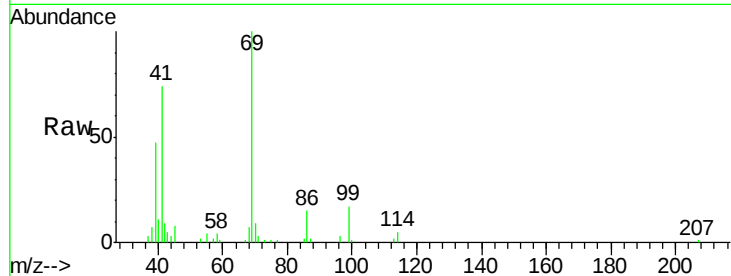
ClientSampleId :

VN0514WBSD01

Tot Ion:	69	Resp:	40528
Ion	Ratio	Lower	Upper
69	100		
41	73.2	34.7	104.1
39	46.4	20.3	60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.810 ug/l

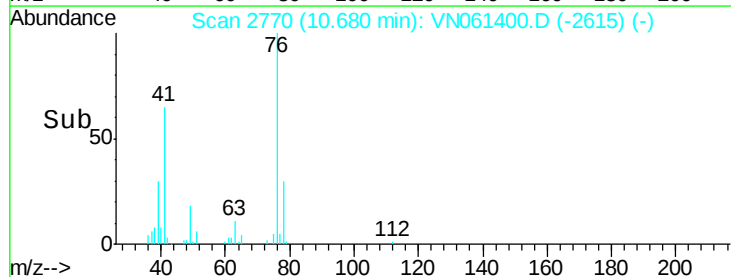
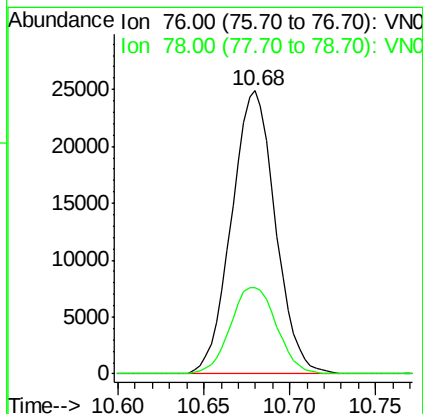
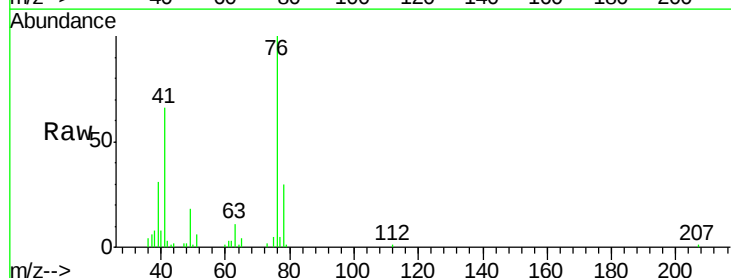
RT: 10.68 min Scan# 2770

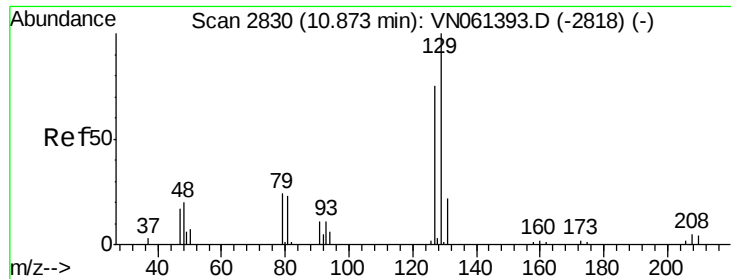
Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Tgt Ion:	76	Resp:	44104
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.2





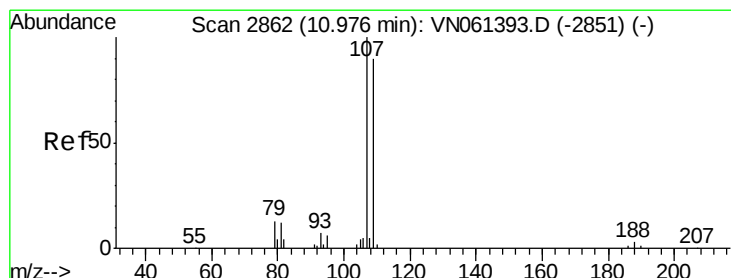
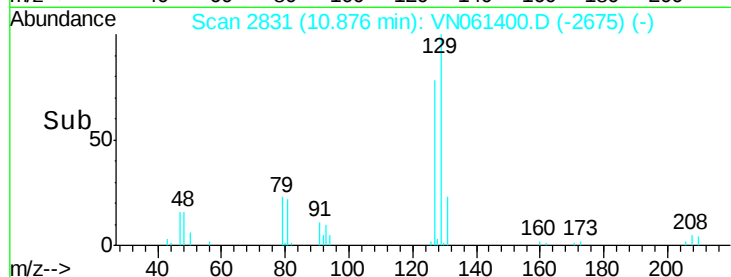
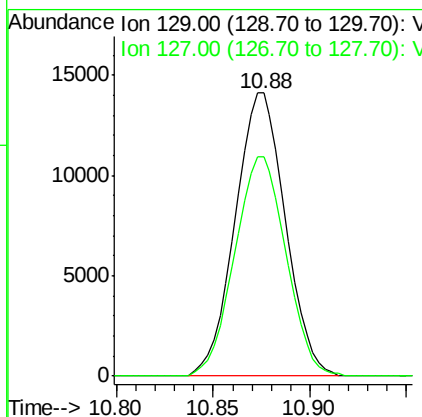
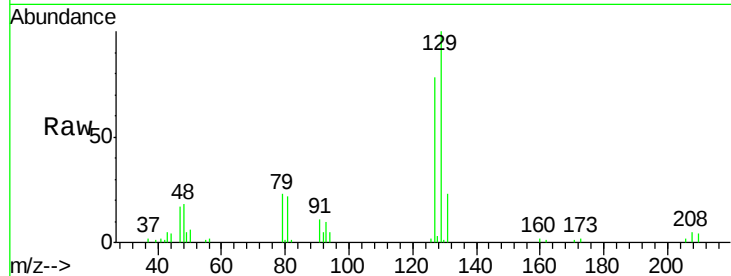
#53
 Dibromochloromethane
 Concen: 18.108 ug/l
 RT: 10.88 min Scan# 2831
 Delta R.T. 0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		25478		
127	79.1	39.1	117.5		

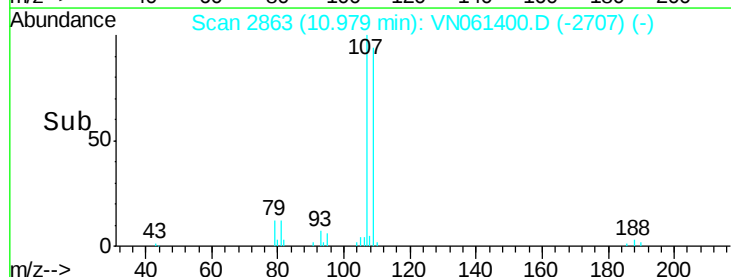
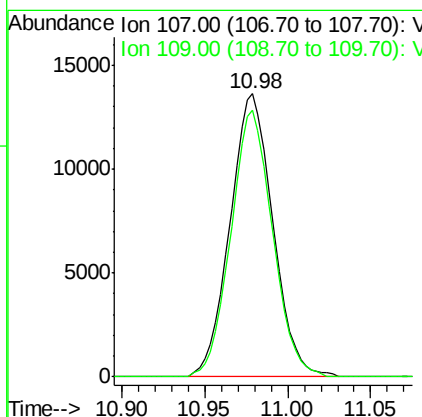
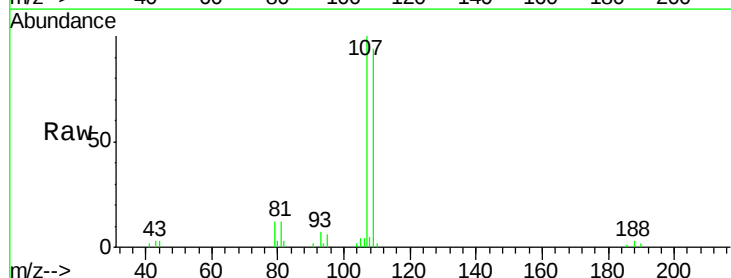
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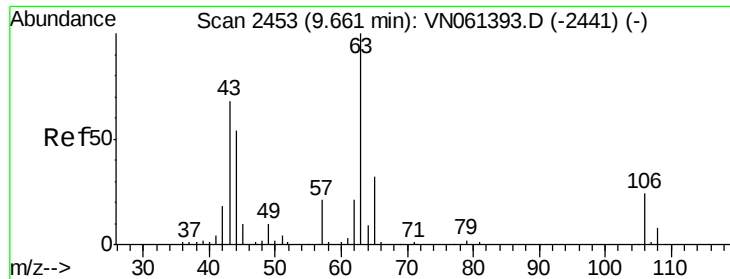
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#54
 1,2-Dibromoethane
 Concen: 18.475 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		24478		
109	91.6	76.2	114.4		





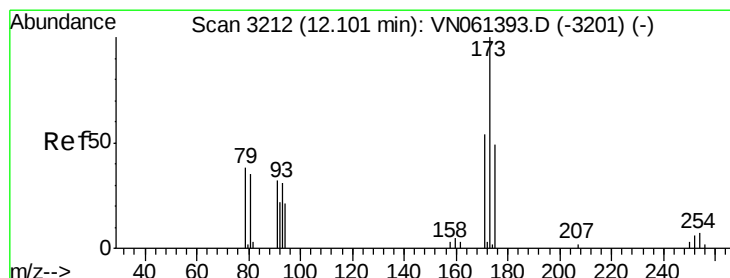
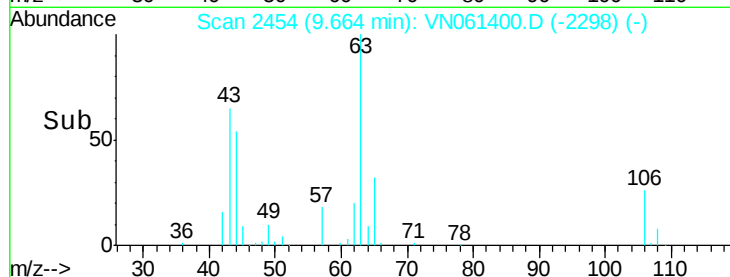
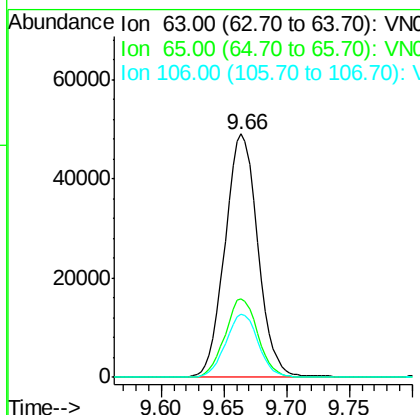
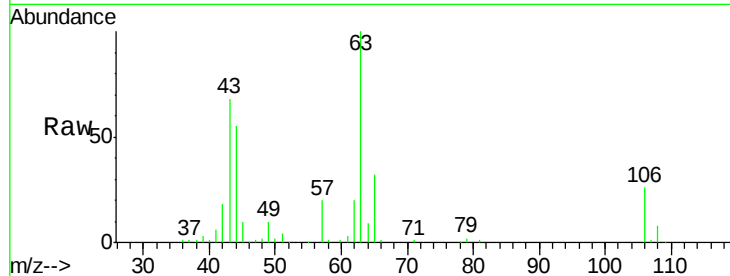
#55
2-Chloroethyl vinyl ether
Concen: 91.549 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.3	37.9
106	25.4	19.8	29.6

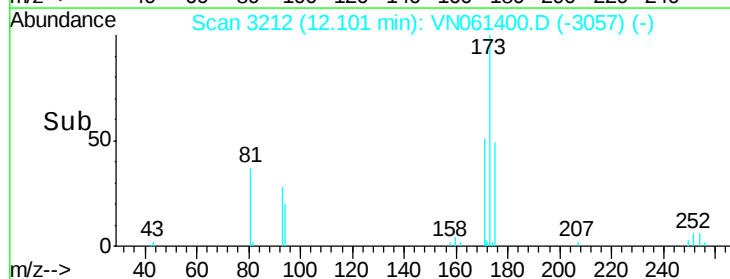
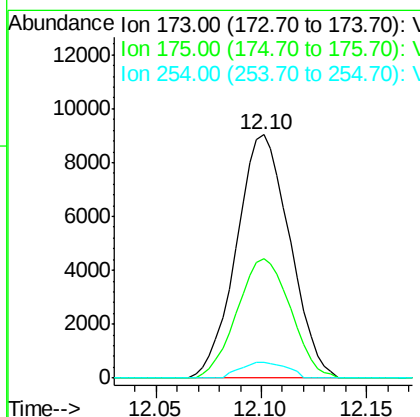
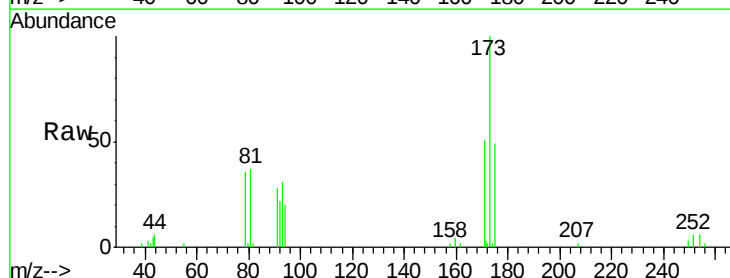
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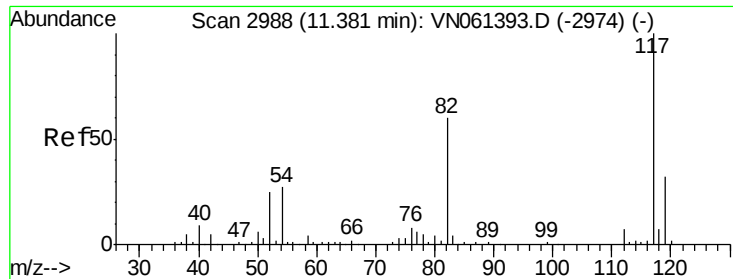
MMDadoda
5/15/2020 2:10:57 PM



#56
Bromoform
Concen: 17.978 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.7	58.1
254	5.6	7.4	11.2





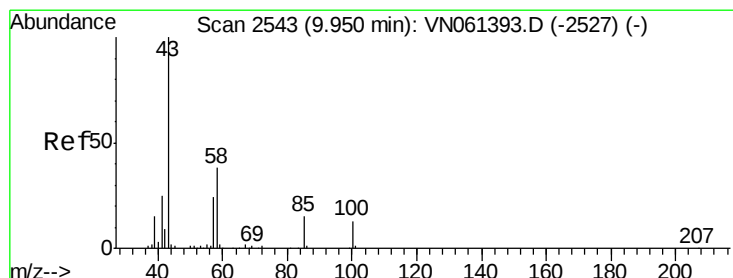
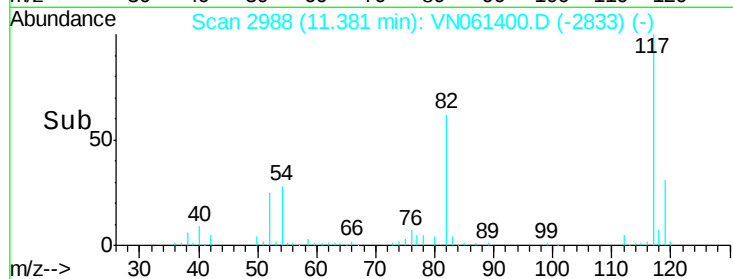
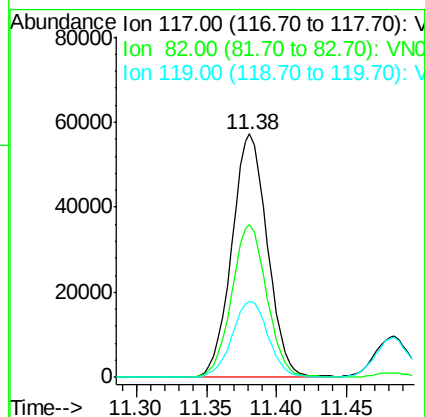
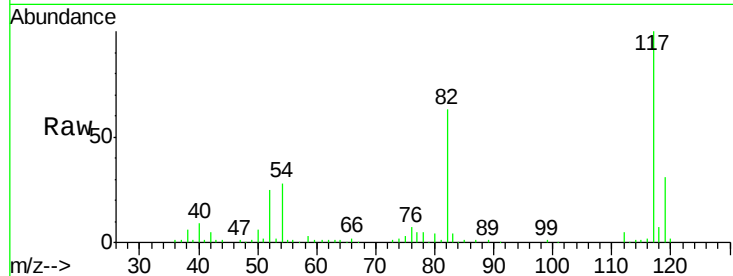
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	46.9	70.3
119	31.7	25.8	38.6

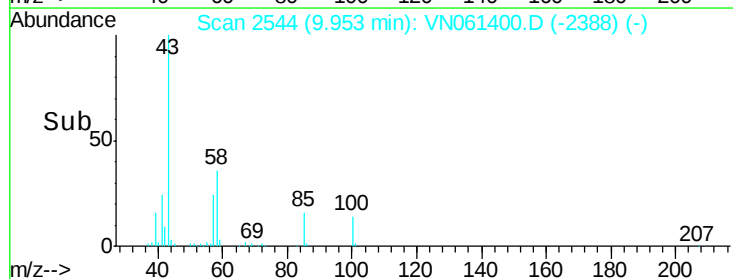
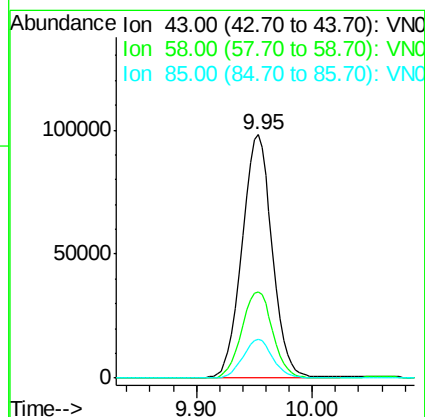
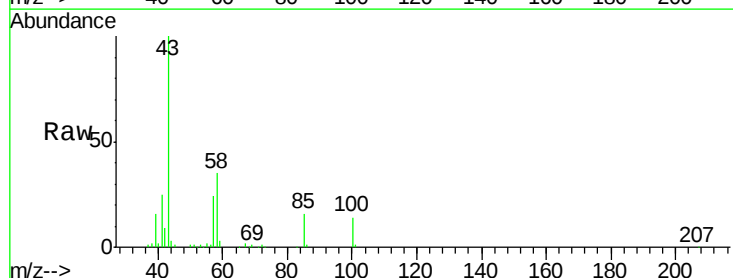
Manual Integrations
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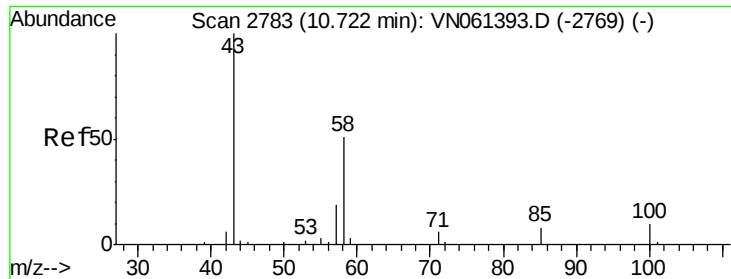
MMDadoda
5/15/2020 2:10:57 PM



#58
4-Methyl-2-Pentanone
Concen: 95.527 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.1	45.1
85	15.8	13.2	19.8





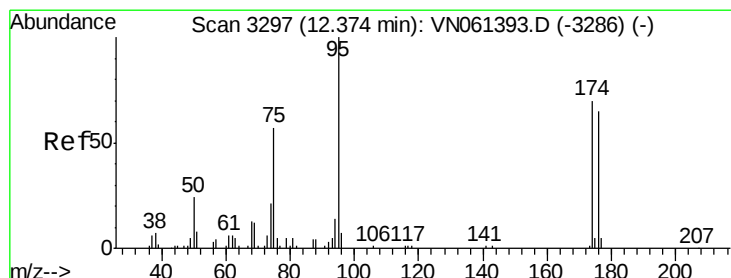
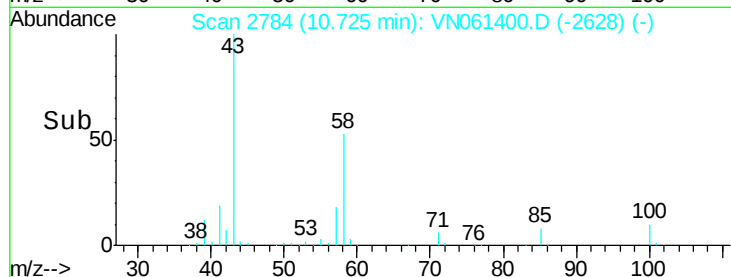
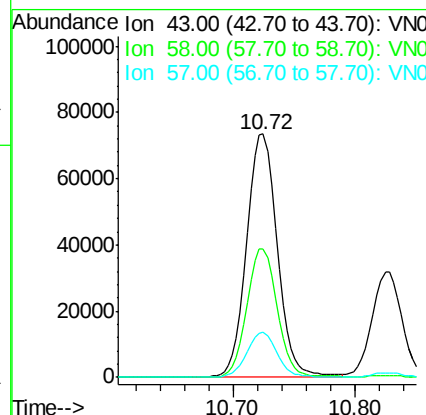
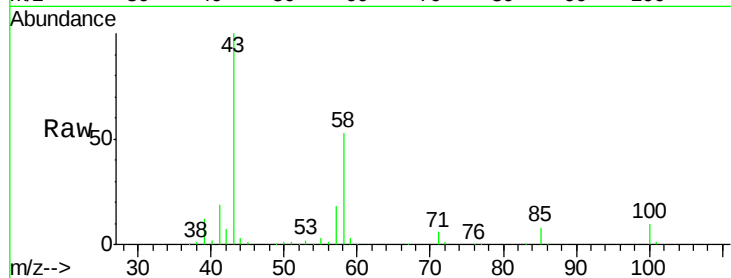
#59
2-Hexanone
Concen: 97.006 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.7	41.4	62.0
57	18.4	14.7	22.1

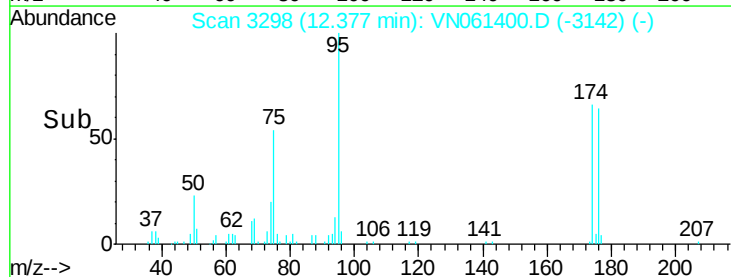
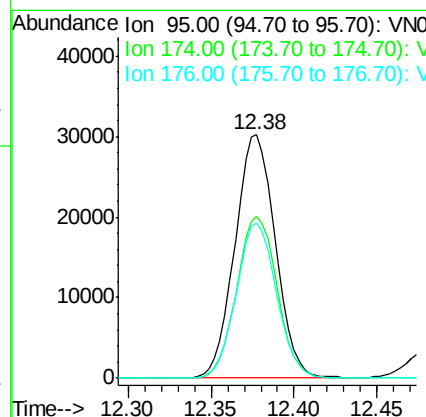
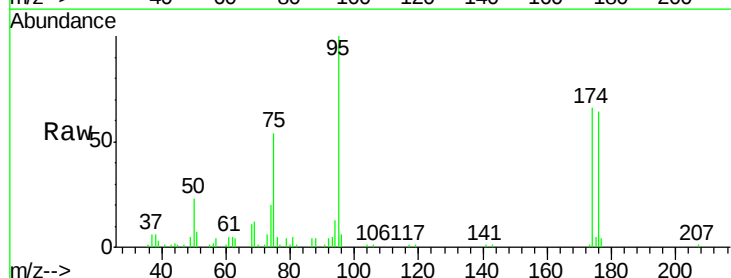
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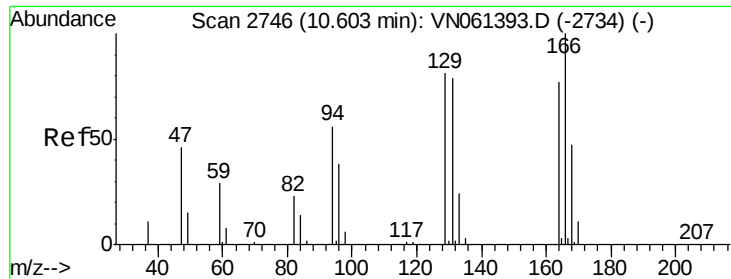
MMDadoda
5/15/2020 2:10:57 PM



#60
4-Bromofluorobenzene
Concen: 29.709 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.4	59.9	89.9
176	63.2	58.3	87.5





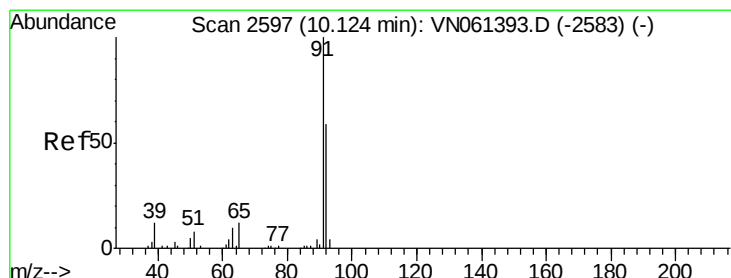
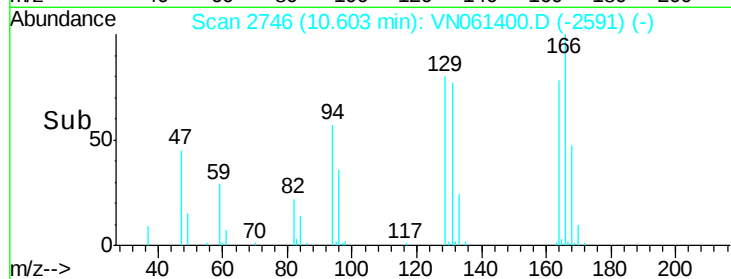
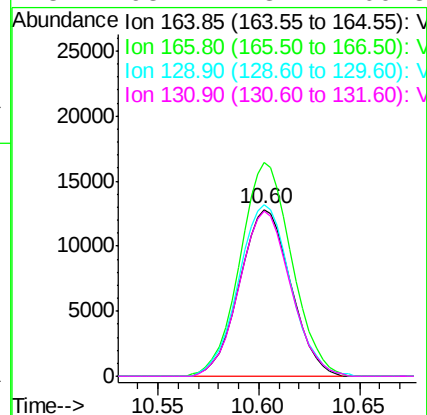
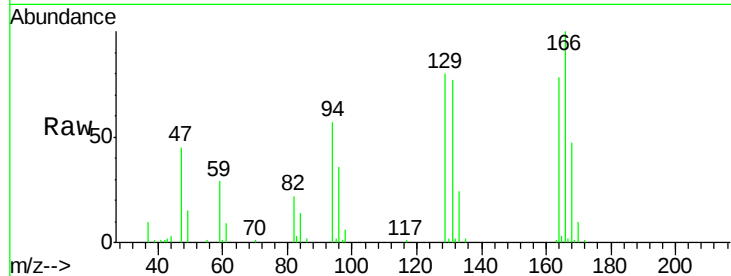
#61
Tetrachloroethene
Concen: 18.025 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.4	152.2
129	102.7	78.1	117.1
131	98.7	73.2	109.8

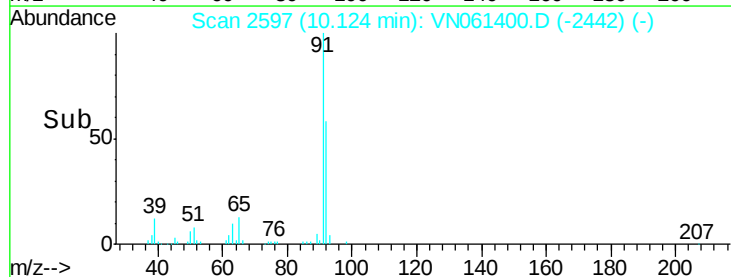
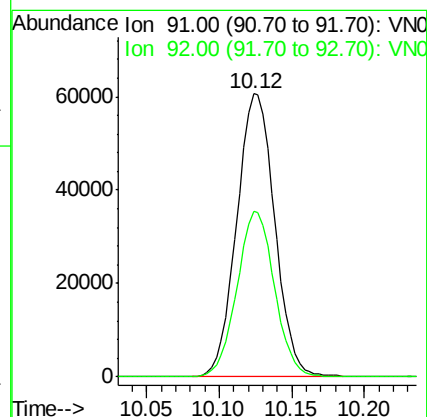
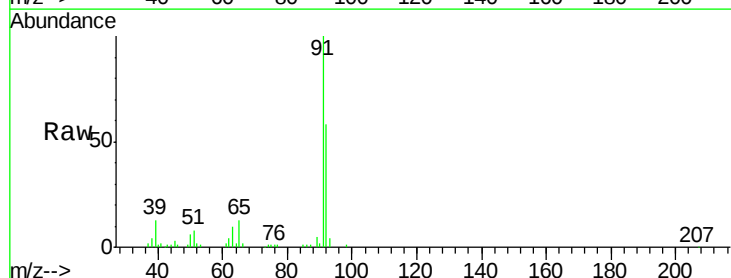
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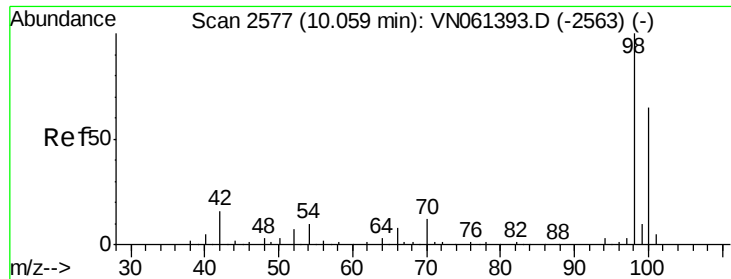
MMDadoda
5/15/2020 2:10:57 PM



#62
Toluene
Concen: 18.887 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	45.4	68.2





#63

Toluene-d8

Concen: 30.016 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBSD01

Tot Ion: 98 Resp: 140491

Ion Ratio Lower Upper

98 100

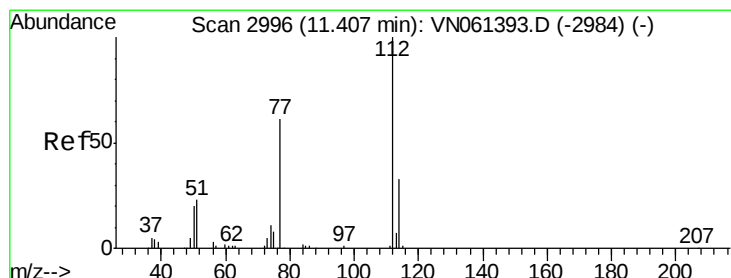
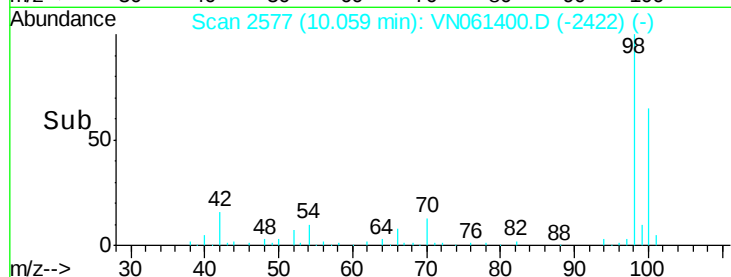
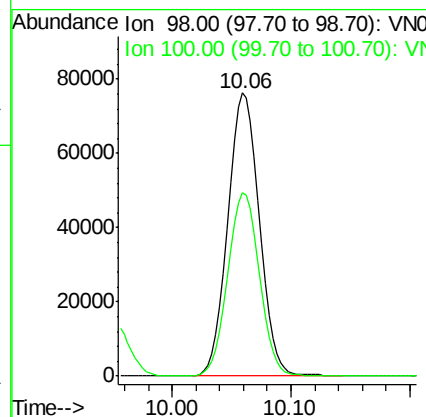
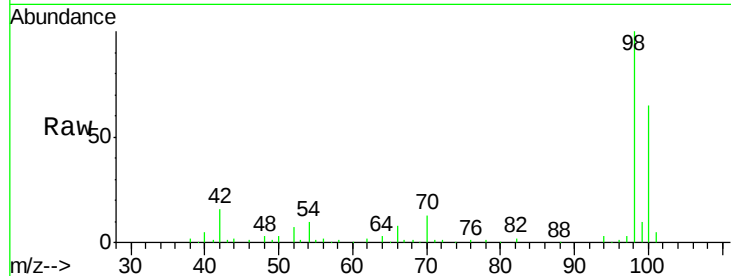
100 65.0 50.6 75.8

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#64

Chlorobenzene

Concen: 18.655 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061400.D

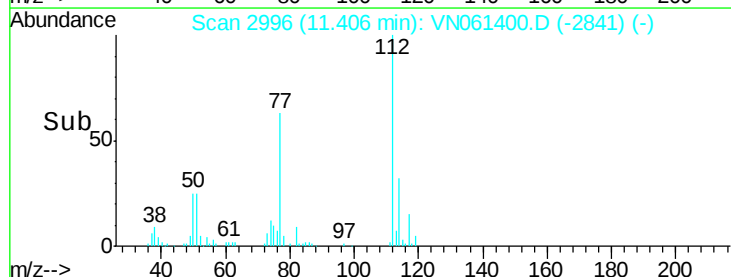
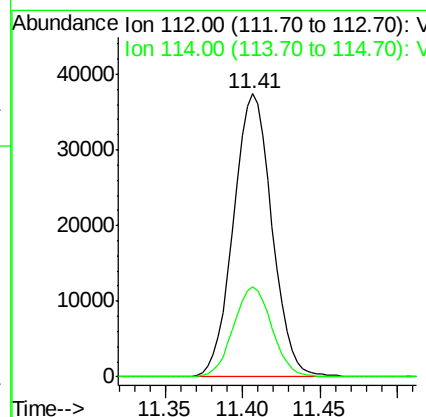
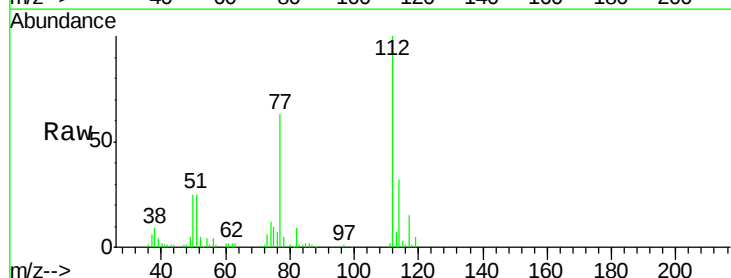
Acq: 14 May 2020 18:07

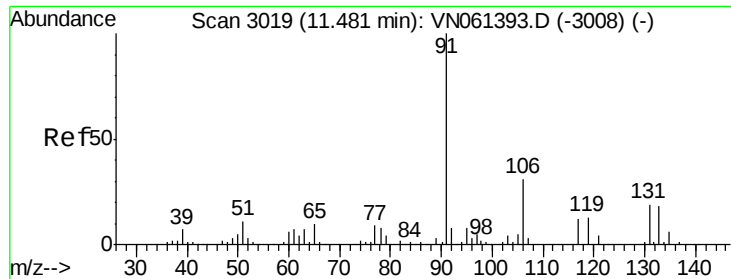
Tgt Ion: 112 Resp: 64717

Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 18.571 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

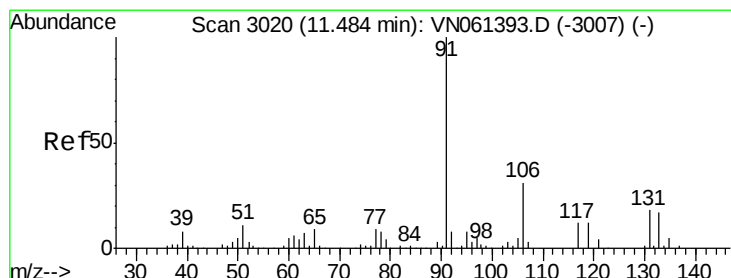
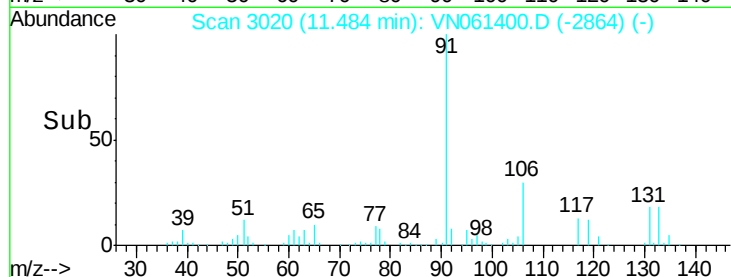
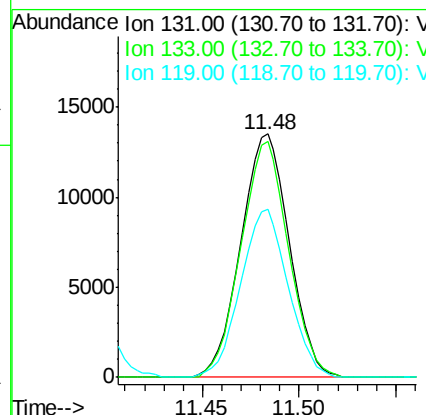
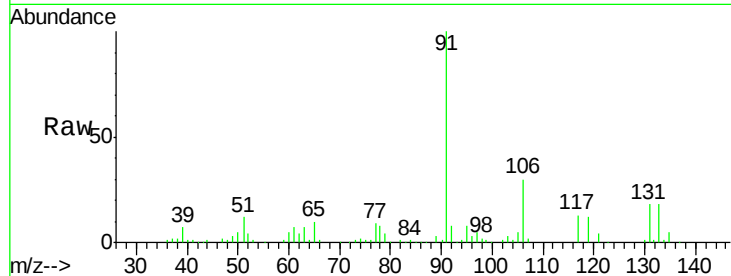
ClientSampleId :

VN0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	23541		
133	95.1	0.0	194.0	
119	67.6	0.0	136.8	

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#66

Ethyl Benzene

Concen: 18.427 ug/l

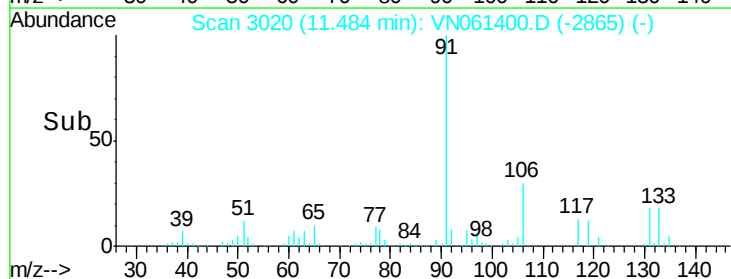
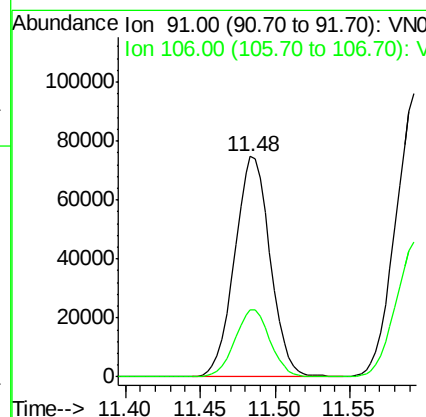
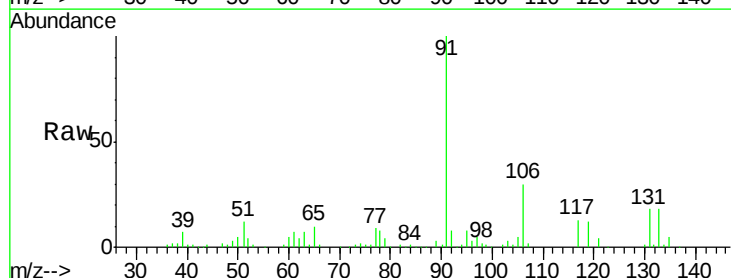
RT: 11.48 min Scan# 3020

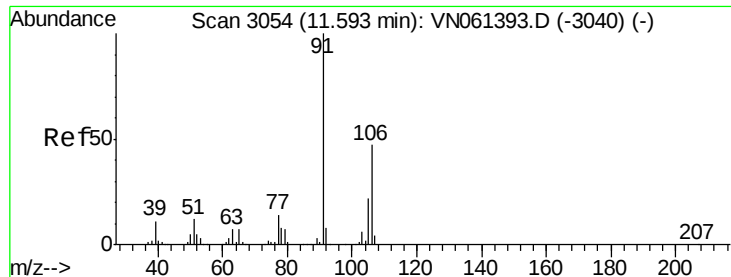
Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	123950		
106	30.4	24.2	36.4	





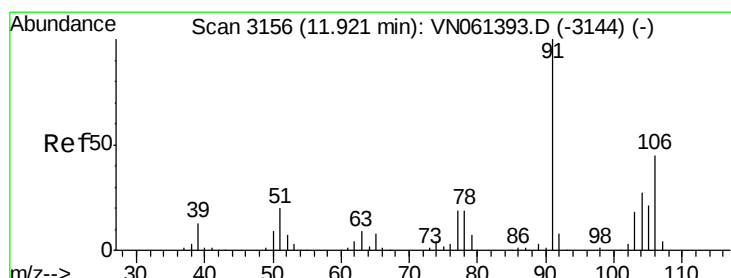
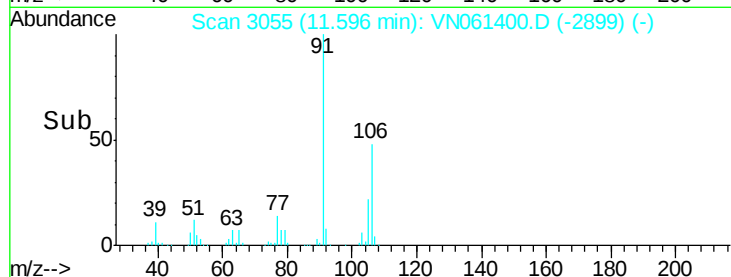
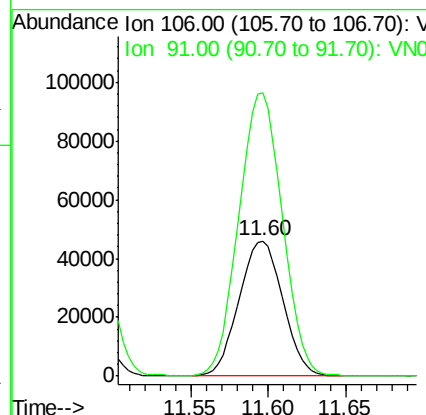
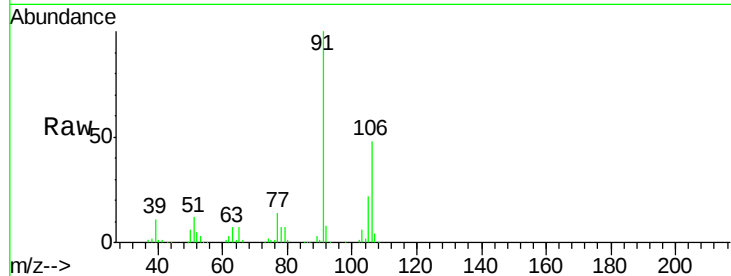
#67
m/p-Xvlenes
Concen: 36.501 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion:106 Resp: 90668
Ion Ratio Lower Upper
106 100
91 207.8 165.6 248.4

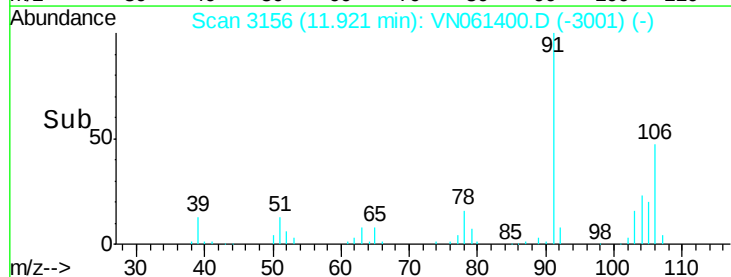
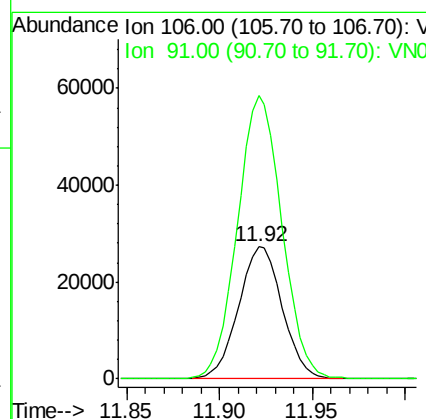
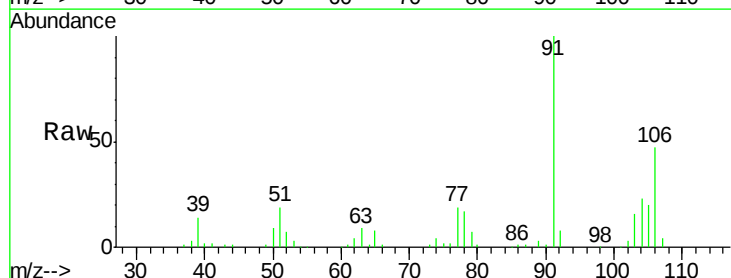
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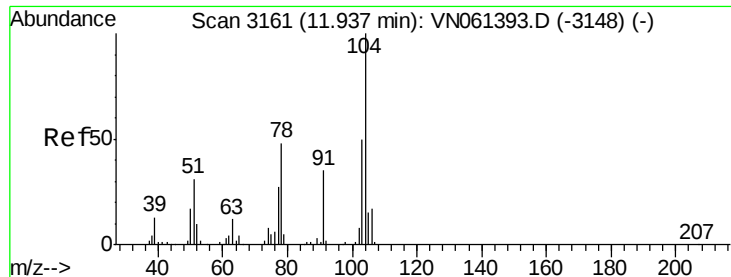
MMDadoda
5/15/2020 2:10:57 PM



#68
o-Xylene
Concen: 18.798 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion:106 Resp: 44564
Ion Ratio Lower Upper
106 100
91 218.1 109.8 329.4





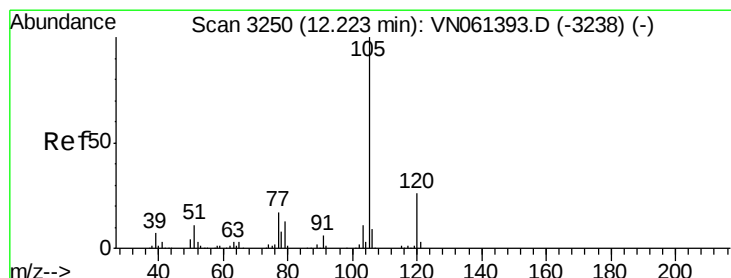
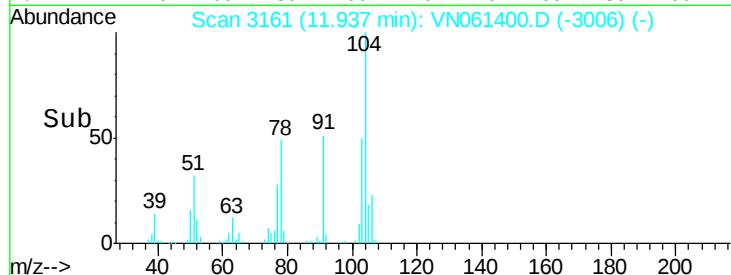
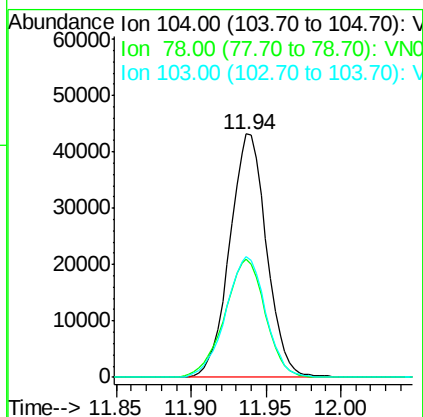
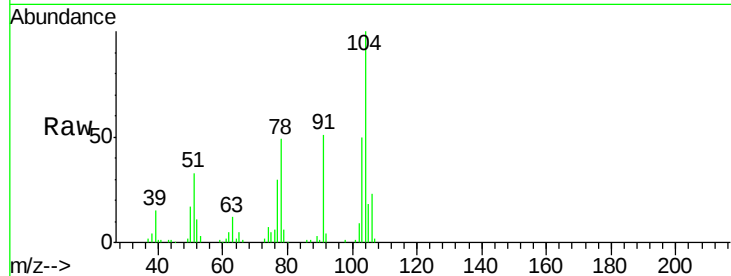
#69
Stvrene
Concen: 18.185 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.4	63.6
103	53.8	44.6	66.8

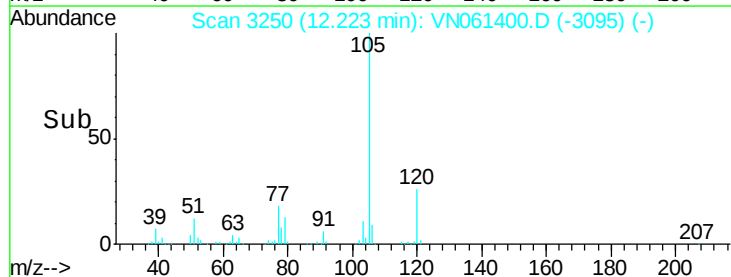
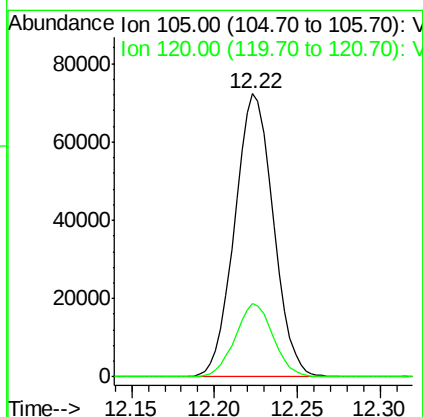
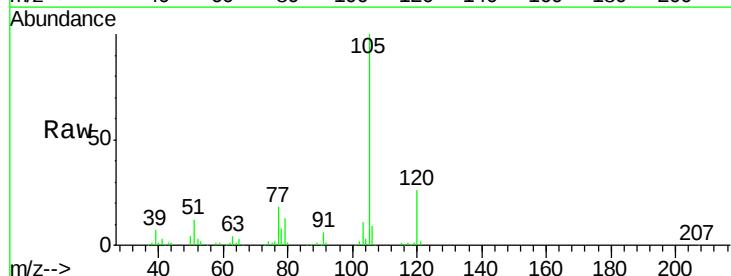
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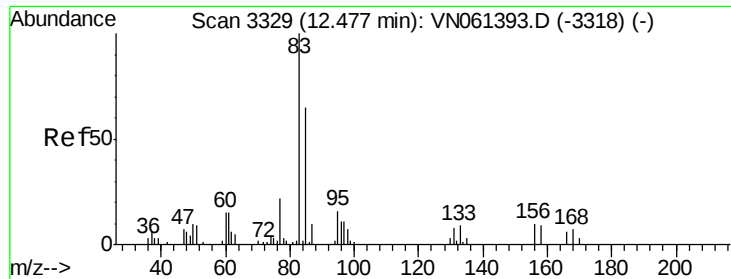
MMDadoda
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#70
Isopropylbenzene
Concen: 18.268 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	18.4	34.2





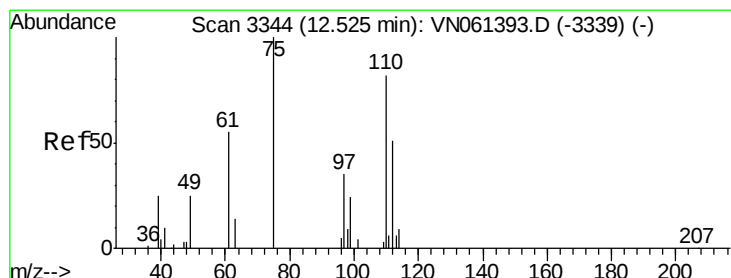
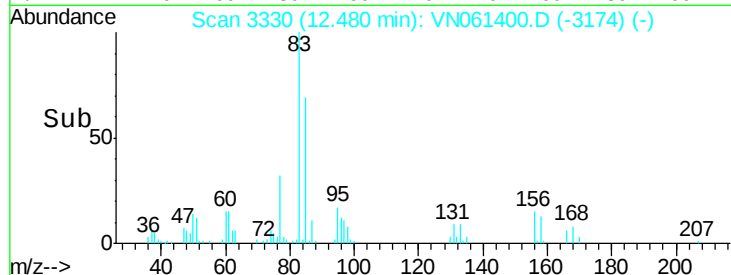
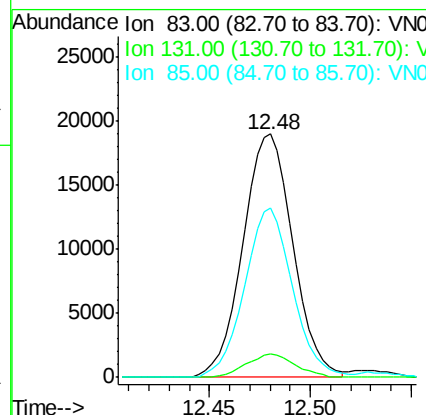
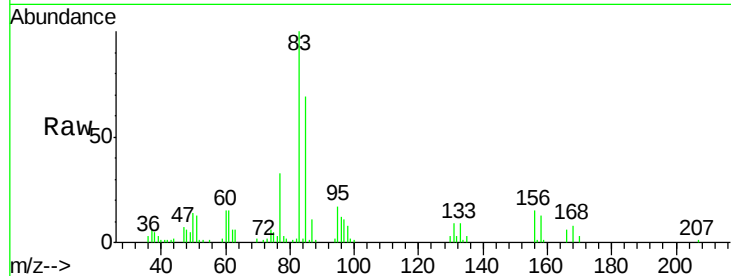
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.559 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	66.5	31.6	94.7

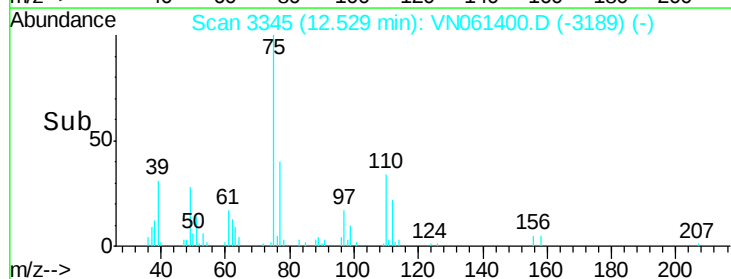
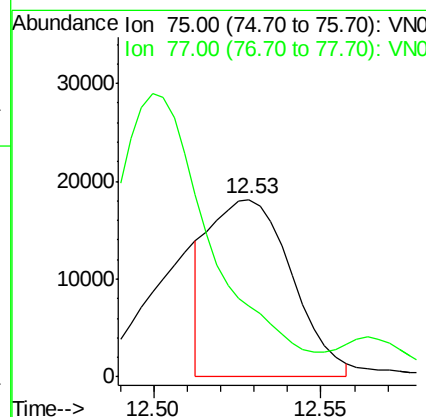
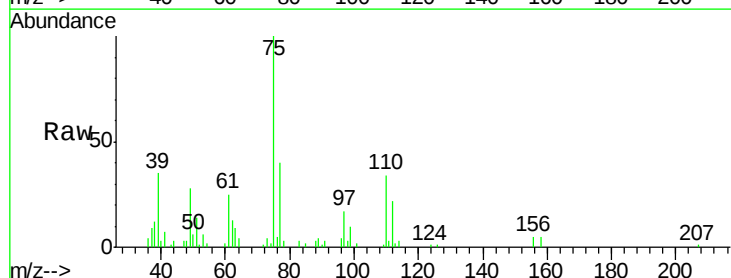
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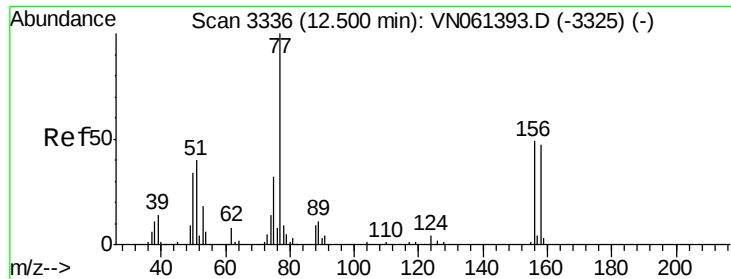
MMDadoda
 5/15/2020 2:10:57 PM



#72
 1,2,3-Trichloropropane
 Concen: 18.243 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	194.6	0.0	359.4





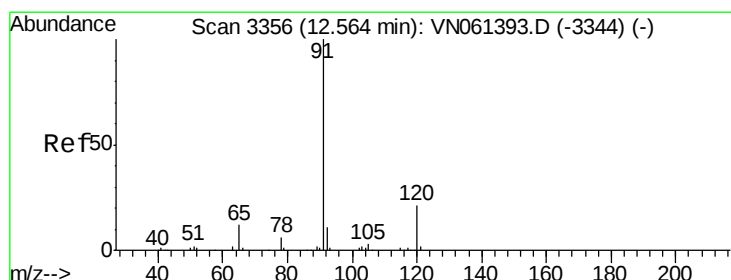
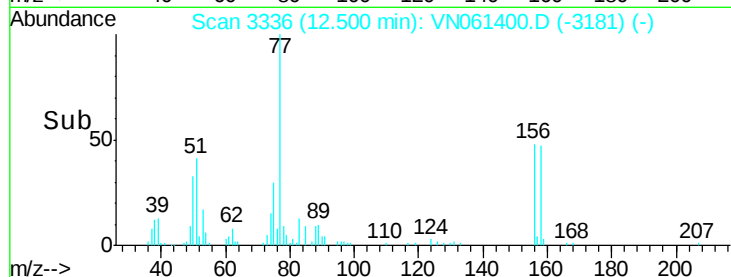
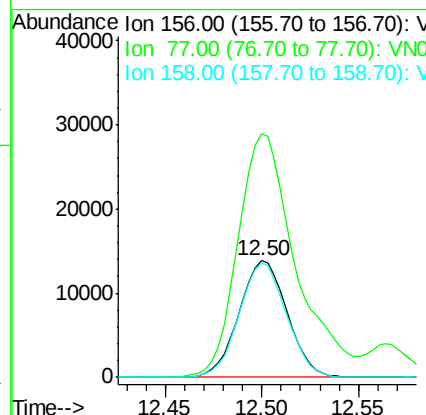
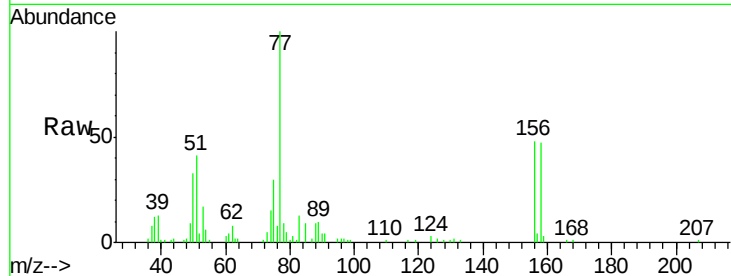
#73
Bromobenzene
Concen: 17.998 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	250.2	0.0	456.0
158	96.5	0.0	195.4

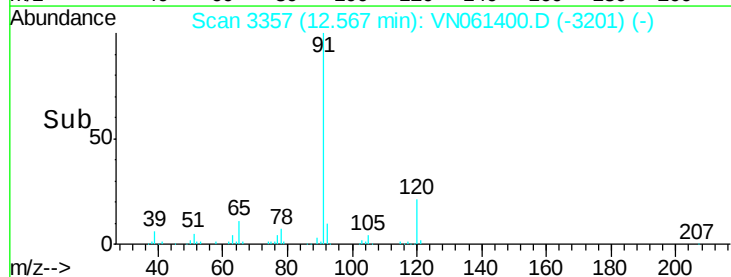
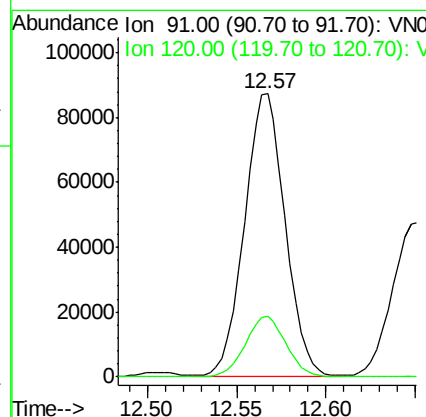
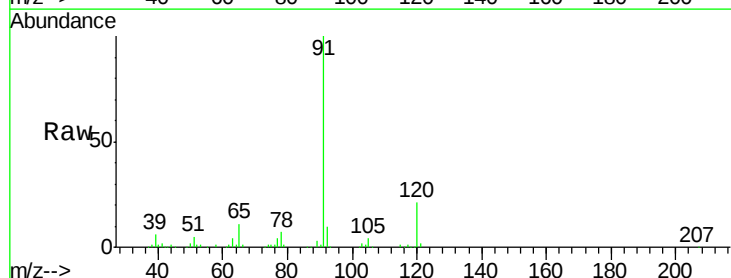
Manual Integrations
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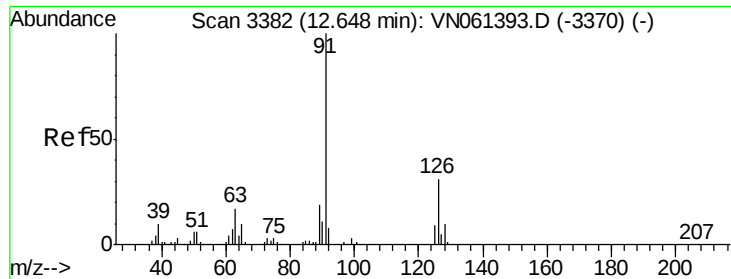
MMDadoda
5/15/2020 2:10:57 PM



#74
n-propylbenzene
Concen: 18.255 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	0.0	43.6





#75

2-Chlorotoluene

Concen: 18.518 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

ClientSampled :

VN0514WBSD01

Tot Ion: 91 Resp: 81102

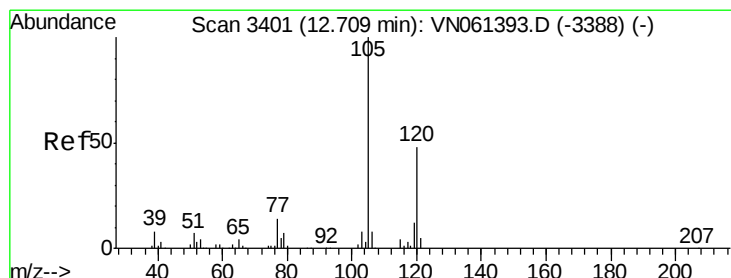
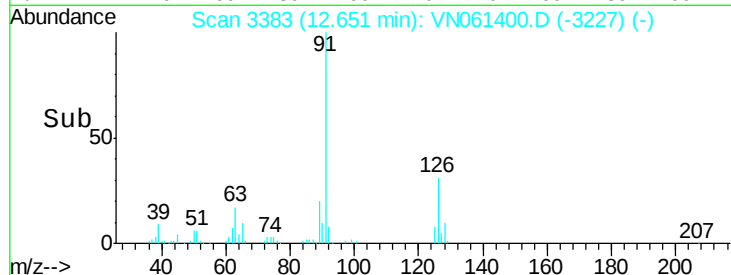
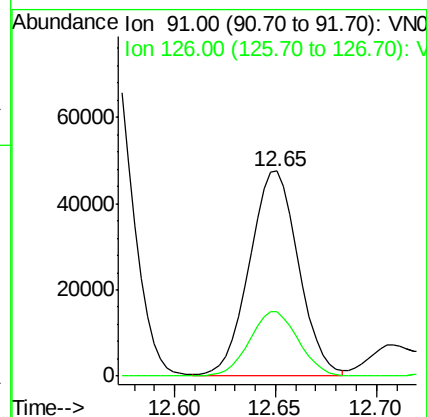
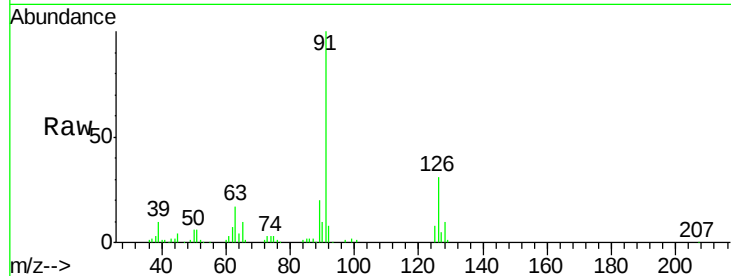
Ion Ratio Lower Upper

91 100

126 31.2 0.0 65.4

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 18.124 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061400.D

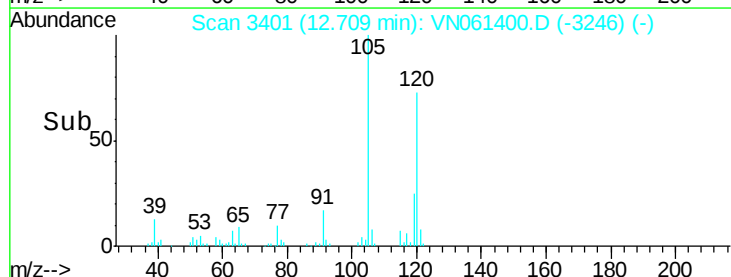
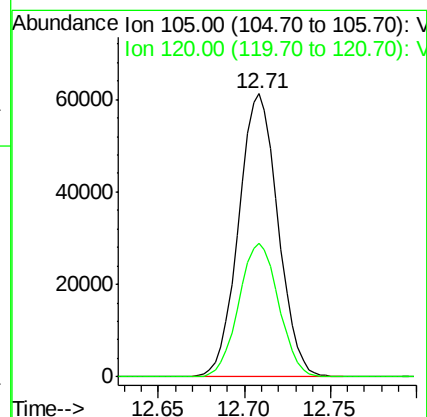
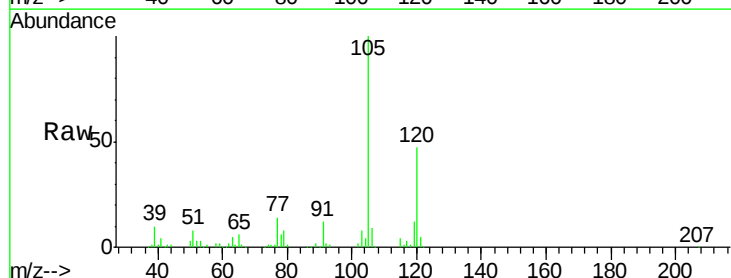
Acq: 14 May 2020 18:07

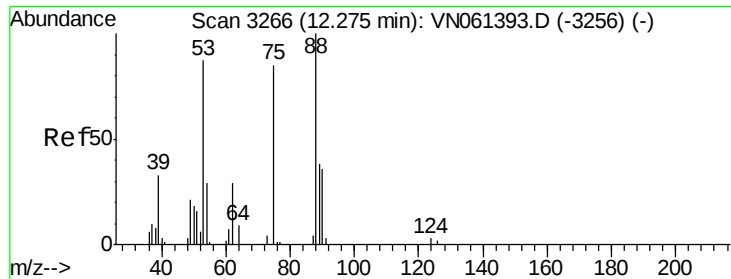
Tgt Ion: 105 Resp: 97696

Ion Ratio Lower Upper

105 100

120 47.7 0.0 94.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.806 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

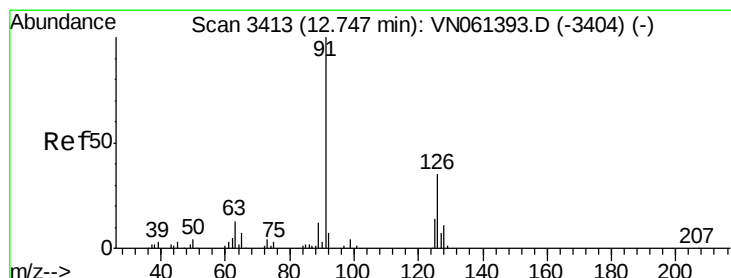
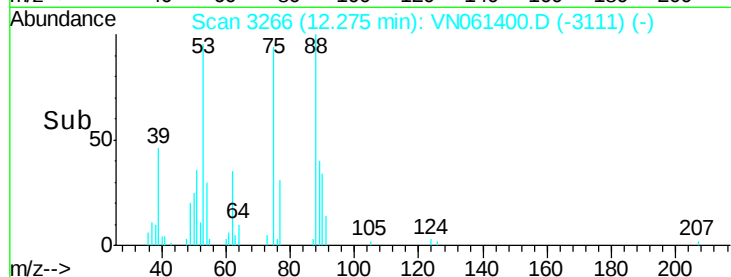
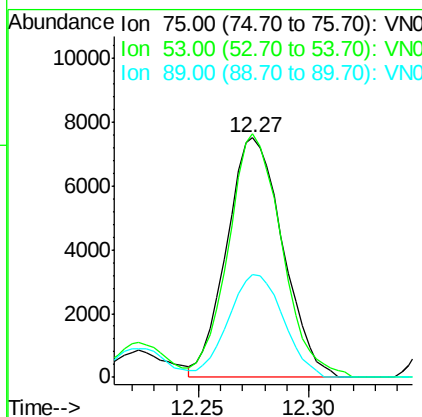
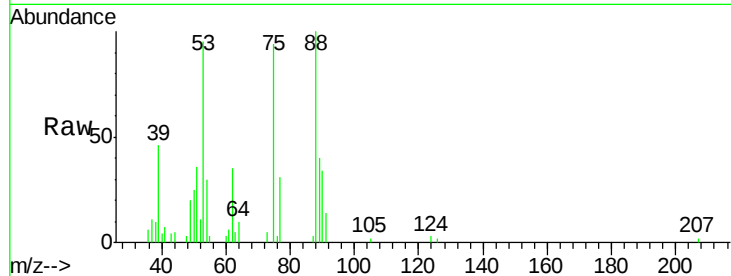
ClientSampleId :

VN0514WBSD01

Tot Ion:	75	Resp:	13247
Ion	Ratio	Lower	Upper
75	100		
53	98.7	50.0	150.0
89	42.8	20.7	62.1

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#78

4-Chlorotoluene

Concen: 17.865 ug/l

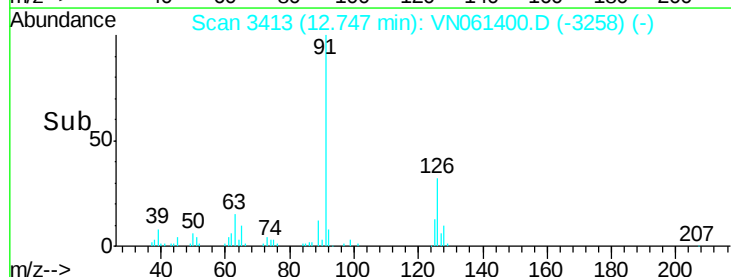
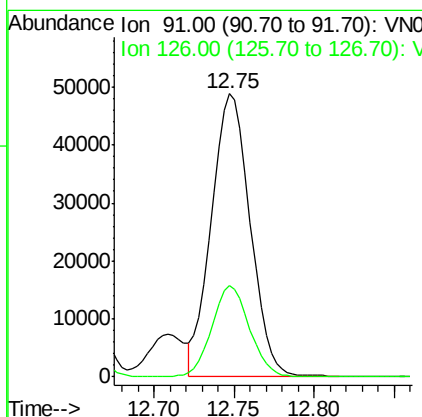
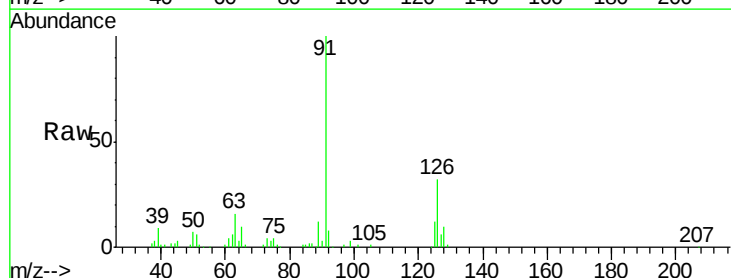
RT: 12.75 min Scan# 3413

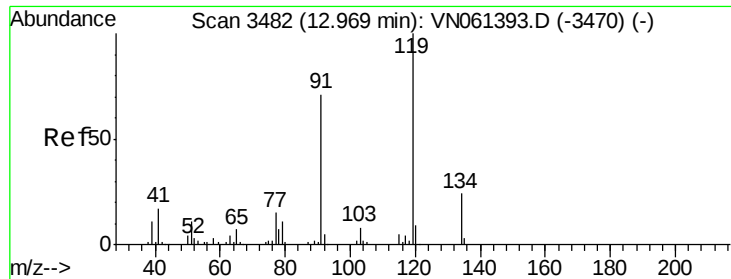
Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Tgt Ion:	91	Resp:	81930
Ion	Ratio	Lower	Upper
91	100		
126	31.1	0.0	63.4





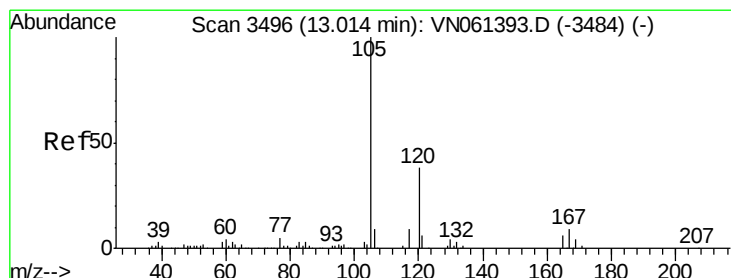
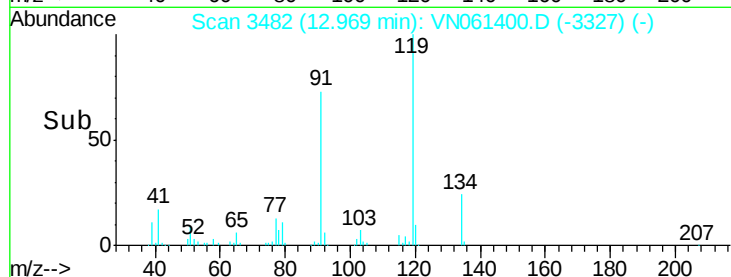
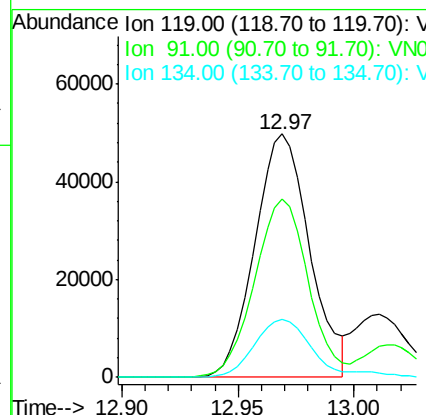
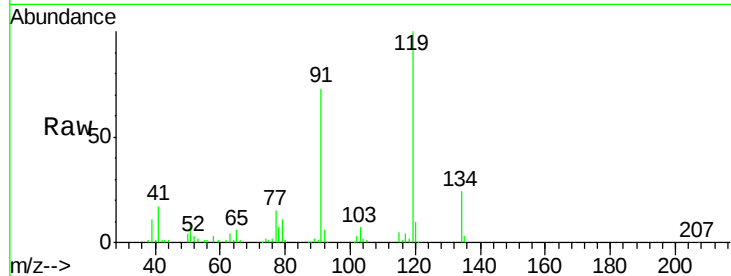
#79
tert-butylbenzene
Concen: 18.268 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	81798		
91	72.1		0.0	136.4
134	24.1		0.0	47.2

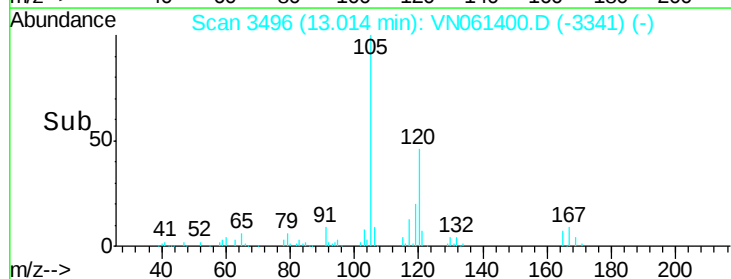
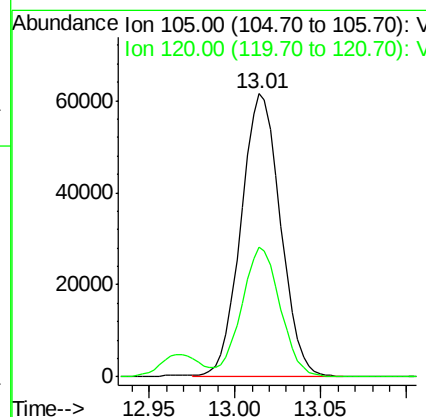
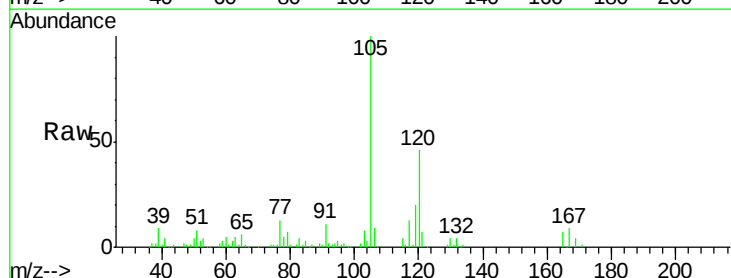
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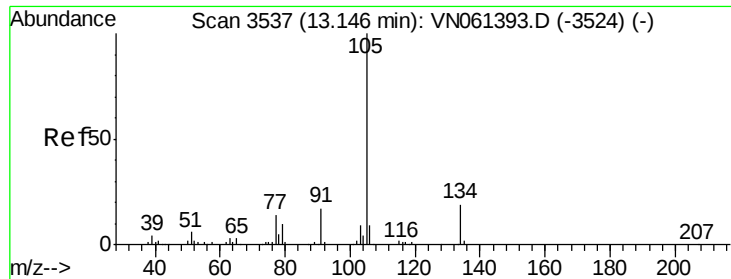
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#80
1,2,4-Trimethylbenzene
Concen: 18.122 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	97505		
120	44.8		0.0	89.2





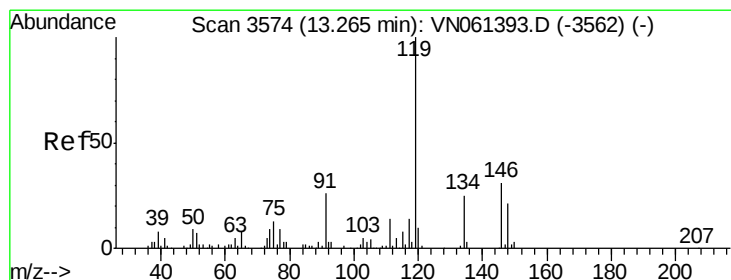
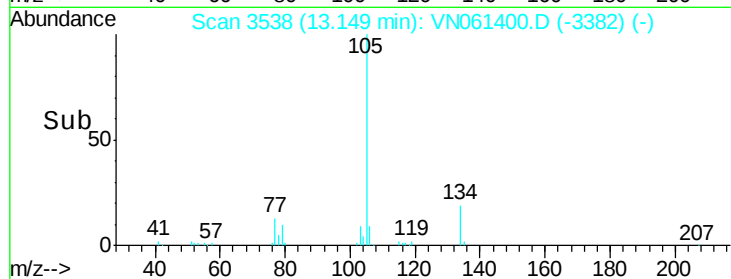
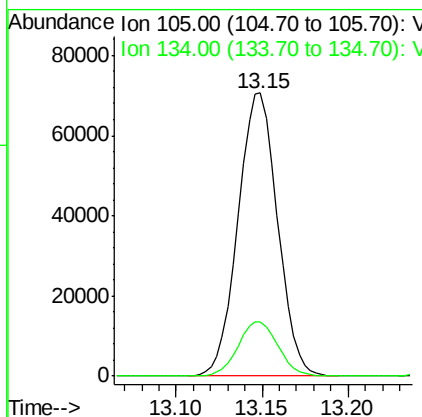
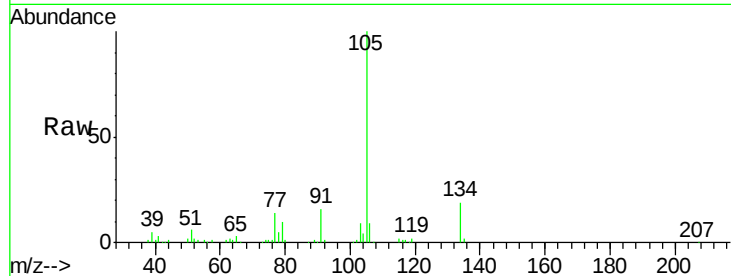
#81
 sec-Butylbenzene
 Concen: 18.342 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	113147		
134	19.2	0.0	38.0	

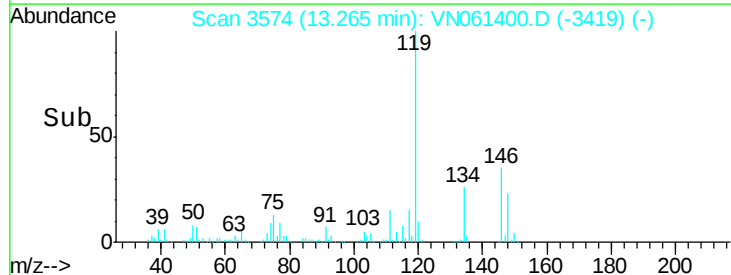
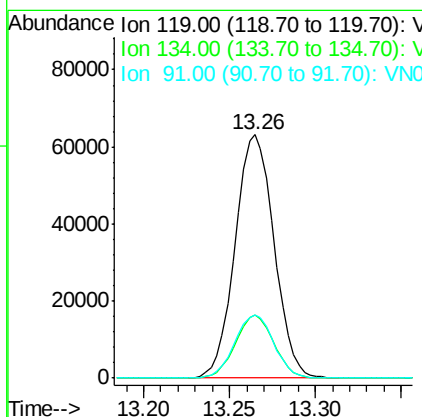
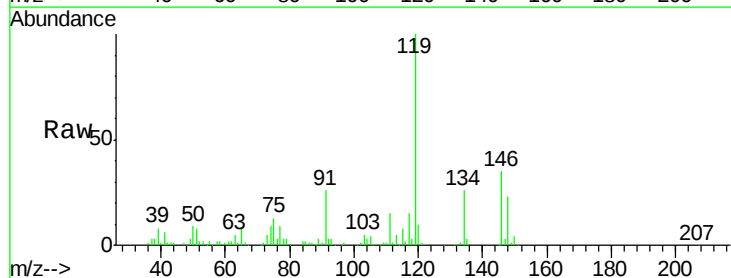
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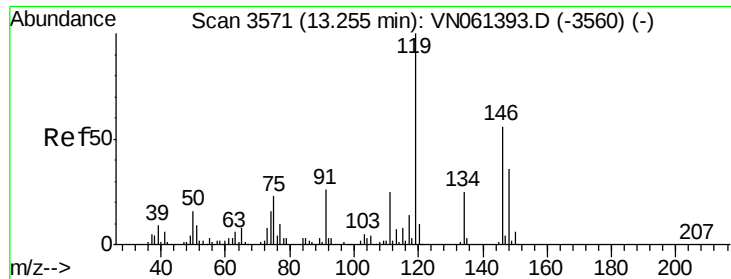
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#82
 p-Isopropyltoluene
 Concen: 17.950 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	99708		
134	25.3	0.0	50.8	
91	26.1	0.0	49.4	





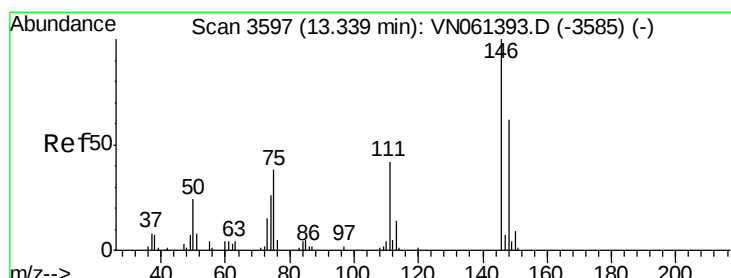
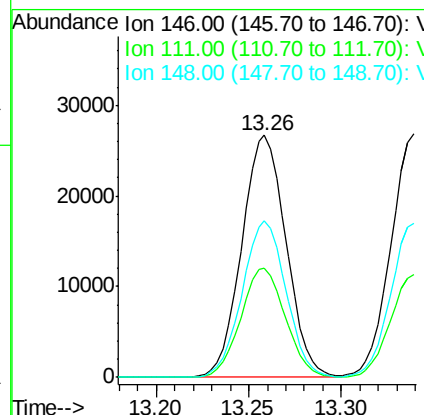
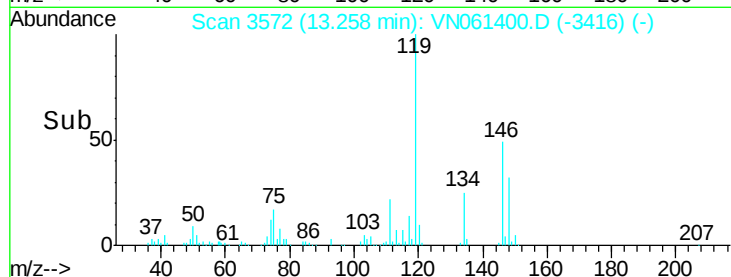
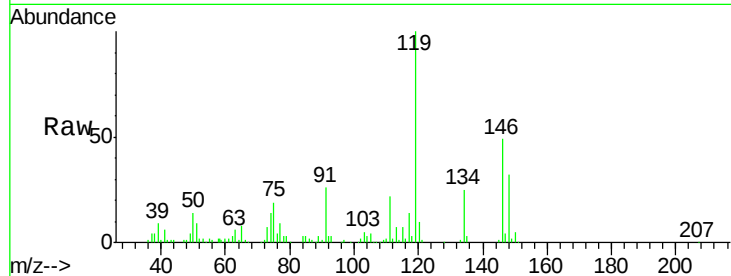
#83
 1,3-Dichlorobenzene
 Concen: 17.830 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.0	63.0
148	63.8	31.7	95.1

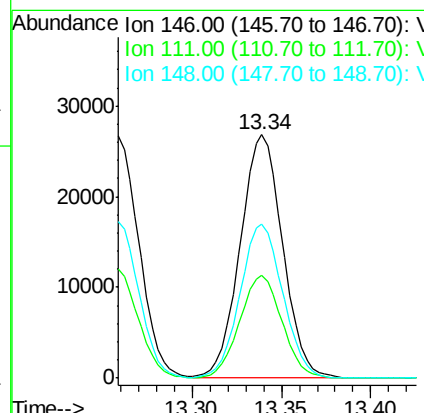
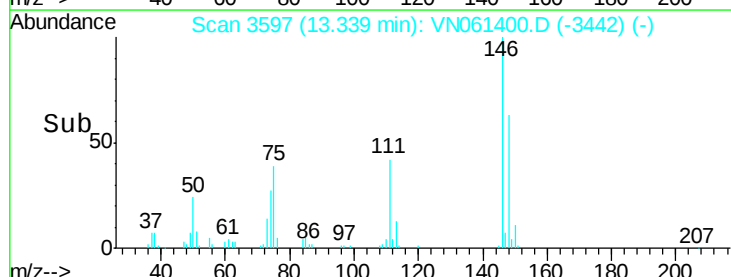
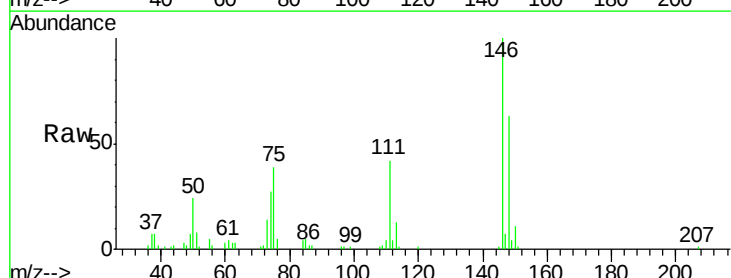
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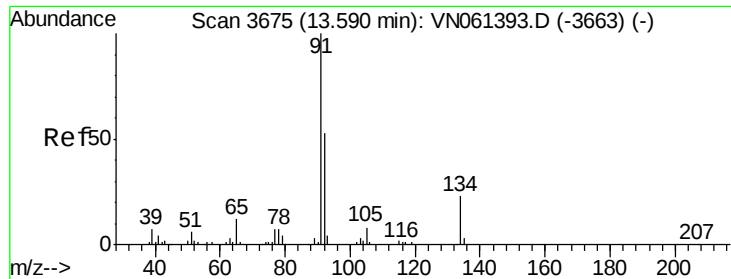
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#84
 1,4-Dichlorobenzene
 Concen: 18.185 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.8	59.4
148	63.6	31.6	94.8





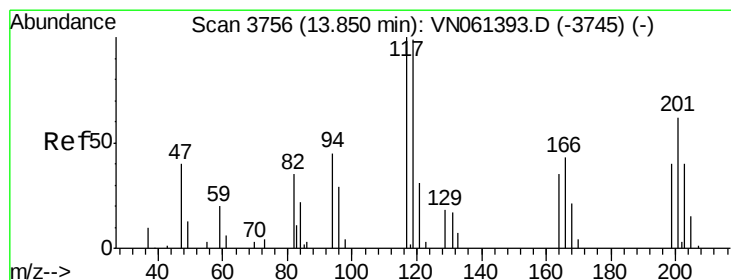
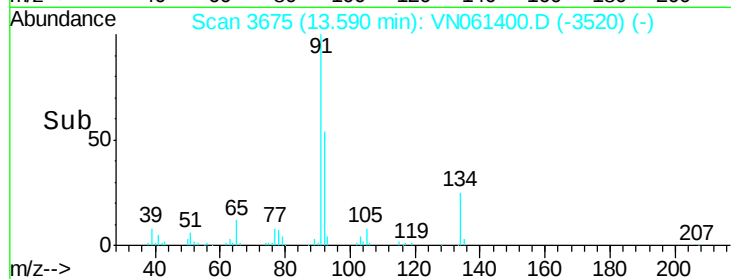
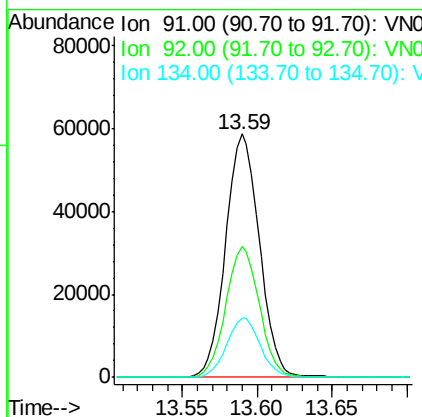
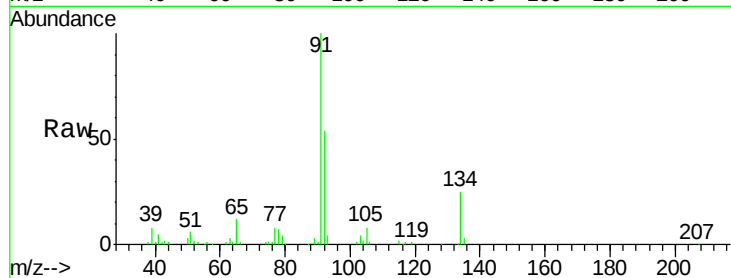
#85
n-Butylbenzene
Concen: 17.974 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	0.0	102.8
134	24.1	0.0	48.6

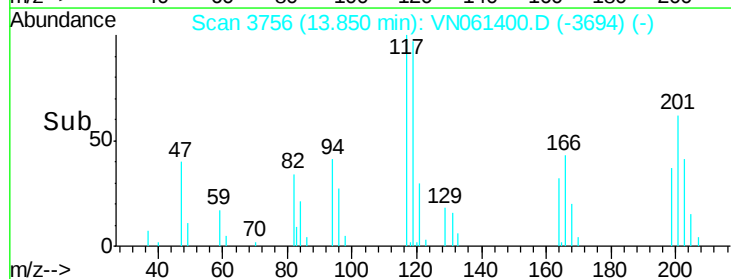
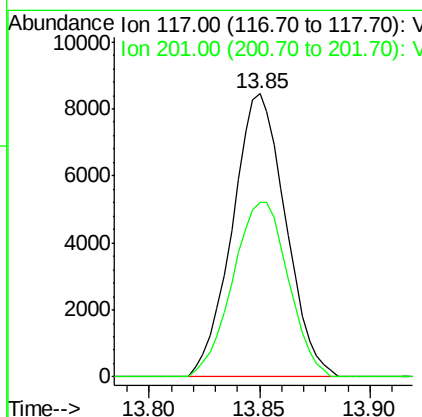
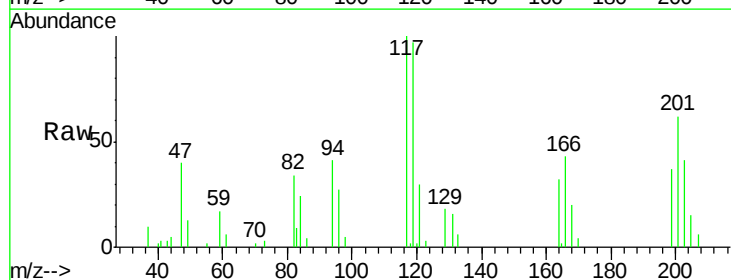
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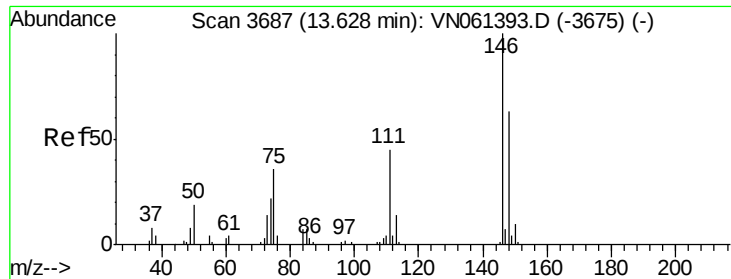
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#86
Hexachloroethane
Concen: 18.261 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.3	38.7	116.1





#87

1,2-Dichlorobenzene

Concen: 18.277 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Instrument :

MSVOA_N

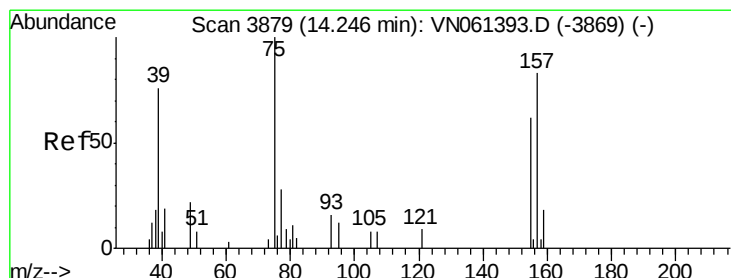
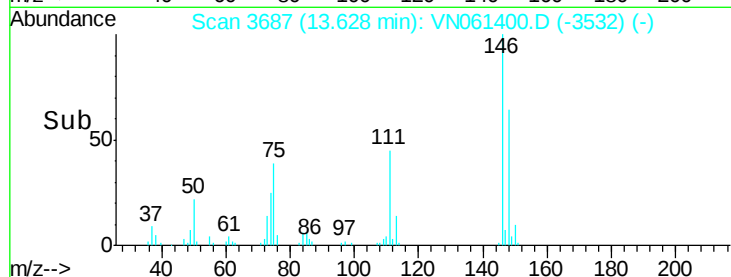
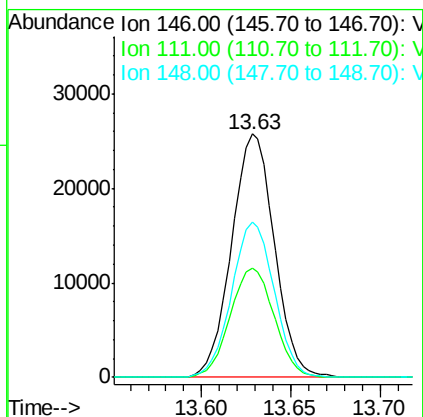
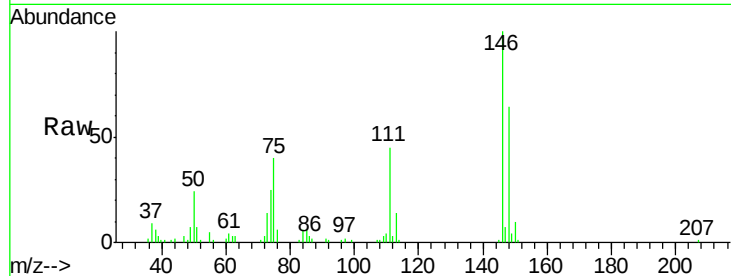
ClientSampleId :

VN0514WBSD01

Tot Ion:	146	Resp:	42990
Ion Ratio	Lower	Upper	
146	100		
111	46.0	21.8	65.4
148	63.2	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.553 ug/l

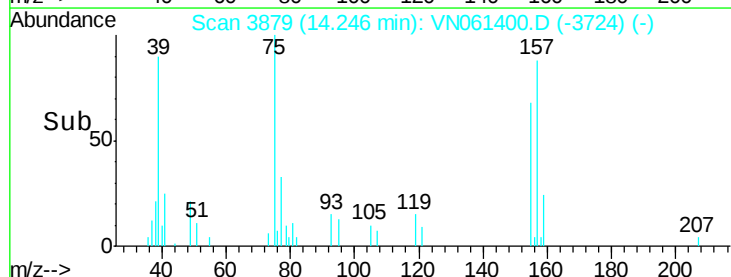
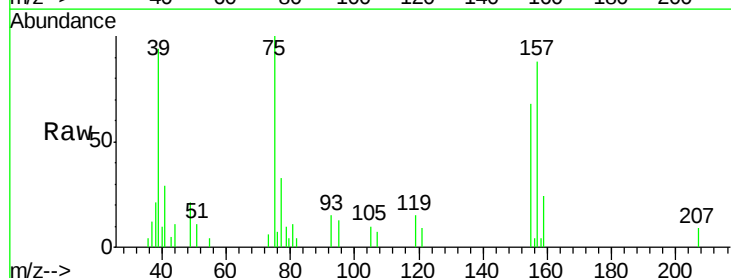
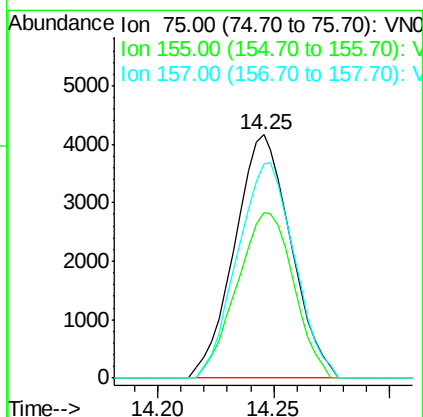
RT: 14.25 min Scan# 3879

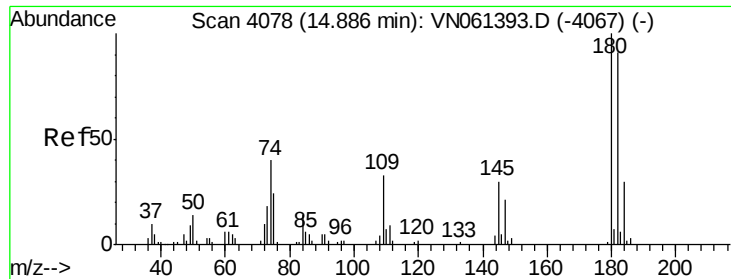
Delta R.T. -0.00 min

Lab File: VN061400.D

Acq: 14 May 2020 18:07

Tgt Ion:	75	Resp:	7017
Ion Ratio	Lower	Upper	
75	100		
155	68.6	58.3	87.5
157	89.3	75.0	112.6





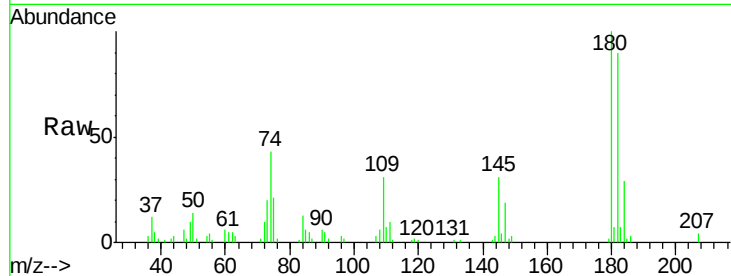
#89
 1,2,4-Trichlorobenzene
 Concen: 17.861 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. -0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBSD01

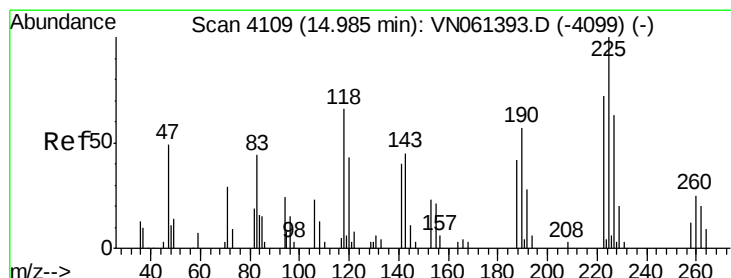
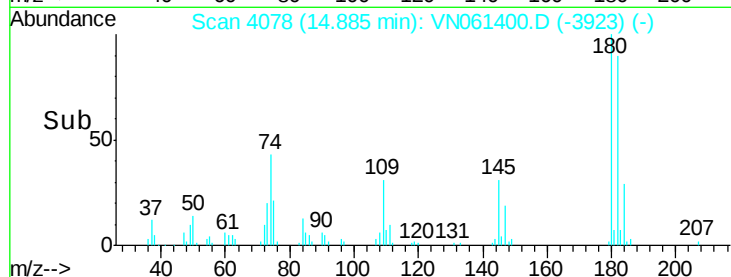
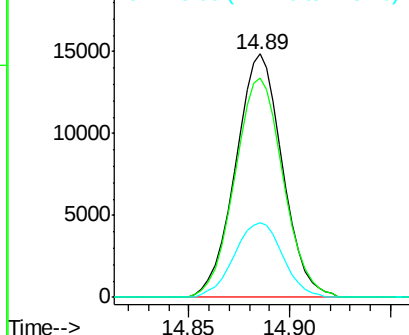
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	75.3	112.9
145	31.8	24.8	37.2

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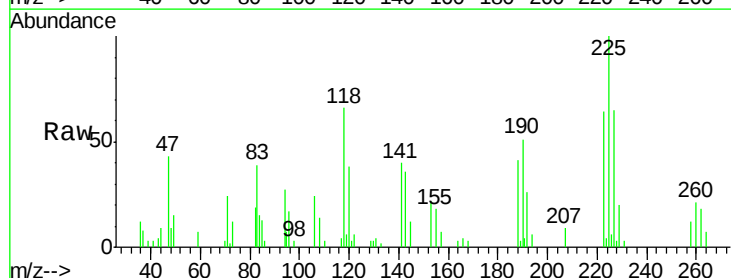


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

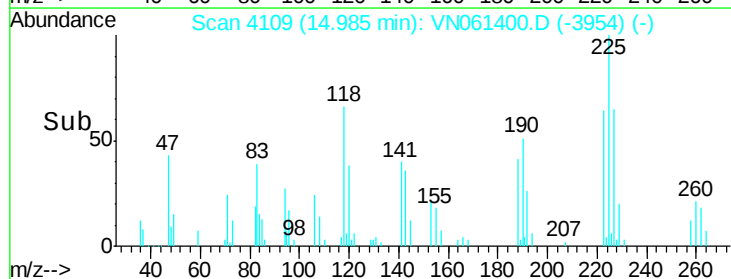
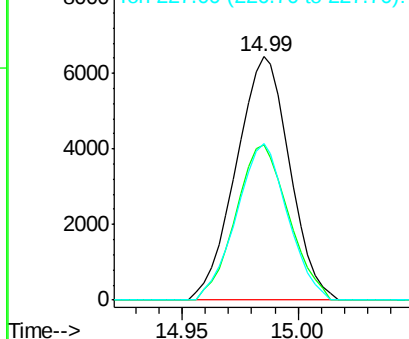


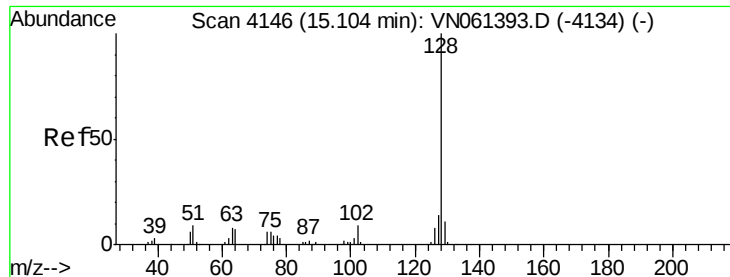
#90
 Hexachlorobutadiene
 Concen: 18.753 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061400.D
 Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	0.0	126.2
227	61.5	0.0	127.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





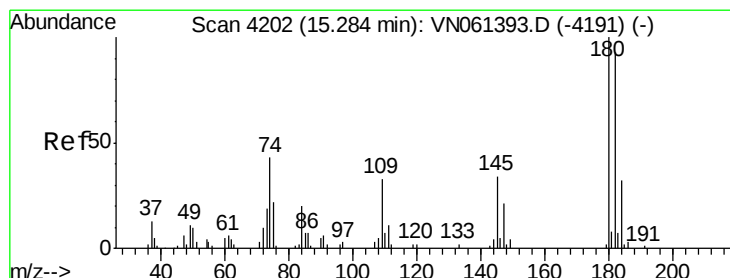
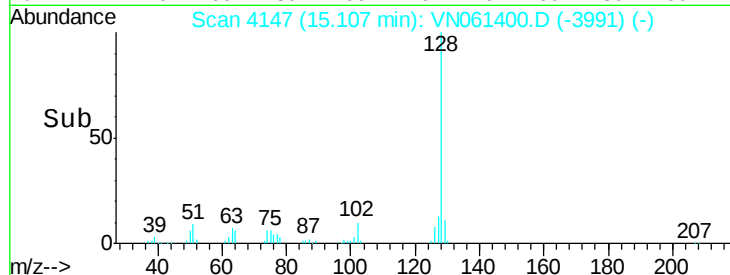
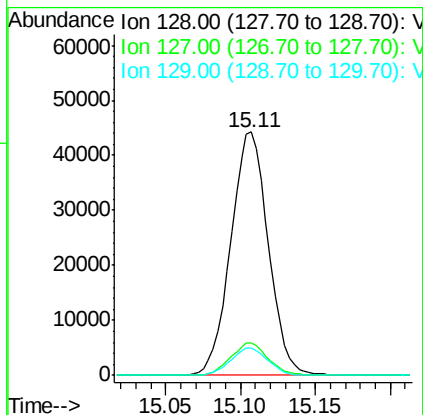
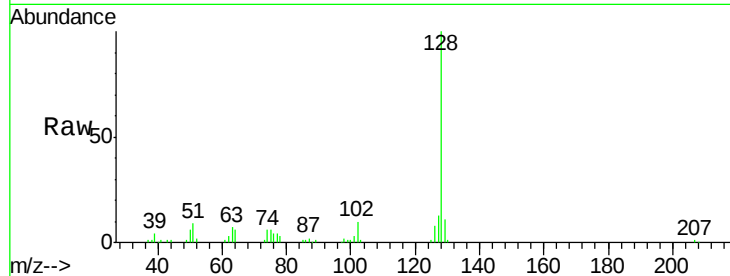
#91
Naphthalene
Concen: 18.135 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.9	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 18.542 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061400.D
Acq: 14 May 2020 18:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	0.0	193.4
145	33.7	0.0	65.8

