

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061399.D
 Acq On : 14 May 2020 17:43
 Operator : JC/MD
 Sample : VN0514WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0514WBS01

Manual Integrations
 APPROVED

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 5/15/2020 2:10:51 PM

Quant Time: May 15 07:12:10 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	17970	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	107355	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	97819	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	50120	31.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.80%
60) 4-Bromofluorobenzene	12.37	95	49459	29.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.73%
63) Toluene-d8	10.06	98	136805	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	15979	19.529 ug/l	96
3) Chloromethane	2.03	50	32047	21.422 ug/l	98
4) Vinyl Chloride	2.16	62	43926	21.904 ug/l	97
5) Bromomethane	2.54	94	21746	21.349 ug/l	100
6) Chloroethane	2.68	64	29158	21.490 ug/l	97
7) Trichlorofluoromethane	2.98	101	44077	20.537 ug/l	98
8) Diethyl Ether	3.37	74	13795	20.209 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	19265	21.013 ug/l	95
10) 1,1-Dichloroethene	3.70	96	19606	20.312 ug/l	98
11) Methyl Iodide	3.91	142	23151	22.161 ug/l	95
12) Methyl Acetate	4.27	43	24965	21.296 ug/l	99
13) Acrolein	3.57	56	18637	94.422 ug/l	100
14) Acrylonitrile	4.93	53	57345	104.215 ug/l	99
15) Acetone	3.78	58	15012	113.609 ug/l	89
16) Carbon Disulfide	4.01	76	60695	22.369 ug/l	99
17) Allyl chloride	4.28	41	43579	22.430 ug/l	95
18) Methylene Chloride	4.51	84	24183	20.760 ug/l	99
19) trans-1,2-Dichloroethene	4.99	96	22644	19.712 ug/l	96
20) Diisopropyl ether	5.90	45	93122	20.589 ug/l	95
21) 1,1-Dichloroethane	5.80	63	49776	21.076 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	27875	20.695 ug/l	97
23) tert-Butyl Alcohol	4.73	59	23049	130.676 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	81226	20.735 ug/l	# 80
25) Chloroform	7.33	83	47329	20.674 ug/l	97
26) Cyclohexane	7.61	56	46652	20.687 ug/l	# 97
29) 1,1-Dichloropropene	7.75	75	38202	20.278 ug/l	98
30) 2-Butanone	6.79	43	85427	107.198 ug/l	98
31) 2,2-Dichloropropane	6.77	77	44952	20.424 ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	41865	19.862 ug/l	98
33) Carbon Tetrachloride	7.73	117	31686	19.584 ug/l	98
34) Benzene	8.00	78	106396	19.963 ug/l	96
35) Methacrylonitrile	7.13	41	18919	23.669 ug/l	96
36) 1,2-Dichloroethane	8.09	62	42067	20.562 ug/l	100
37) Trichloroethene	8.80	130	26482	20.180 ug/l	100
38) Methylcyclohexane	9.05	83	45184	19.980 ug/l	96
39) 1,2-Dichloropropane	9.08	63	30277	20.664 ug/l	99
40) Dibromomethane	9.18	93	18404	20.336 ug/l	92

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	39386	20.061	ug/l	99
42) Vinyl Acetate	5.84	43	383266	101.275	ug/l	100
43) Ethyl Acetate	6.88	43	36134	21.228	ug/l #	93
44) Isopropyl Acetate	8.13	43	68134	20.616	ug/l	100
45) 1,4-Dioxane	9.17	88	7599	582.635	ug/l	96
46) Methyl methacrylate	9.17	41	31253	20.109	ug/l	97
47) n-amyl Acetate	12.04	43	57878	19.634	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	46048	19.875	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	48997	19.994	ug/l	95
50) 1,1,2-Trichloroethane	10.54	97	25415	20.310	ug/l	98
51) Ethyl methacrylate	10.40	69	42885	19.893	ug/l	92
52) 1,3-Dichloropropane	10.68	76	46814	20.489	ug/l	99
53) Dibromochloromethane	10.87	129	26284	19.170	ug/l	99
54) 1,2-Dibromoethane	10.98	107	25451	19.712	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	96321	100.956	ug/l	99
56) Bromoform	12.10	173	16815	19.501	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	187298	105.075	ug/l	99
59) 2-Hexanone	10.72	43	133991	106.271	ug/l	100
61) Tetrachloroethene	10.60	164	24511	20.038	ug/l	95
62) Toluene	10.13	91	115202	20.311	ug/l	99
64) Chlorobenzene	11.41	112	67685	20.162	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	24399	19.891	ug/l	99
66) Ethyl Benzene	11.48	91	131160	20.150	ug/l	100
67) m/p-Xylenes	11.59	106	96226	40.033	ug/l	98
68) o-Xylene	11.92	106	45838	19.981	ug/l	98
69) Styrene	11.94	104	77755	19.698	ug/l	99
70) Isopropylbenzene	12.22	105	123843	19.924	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	34820	20.278	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	32271m	19.704	ug/l	
73) Bromobenzene	12.50	156	25352	19.637	ug/l	93
74) n-propylbenzene	12.57	91	145901	19.742	ug/l	99
75) 2-Chlorotoluene	12.65	91	84385	19.911	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	103987	19.936	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	13544	19.870	ug/l	99
78) 4-Chlorotoluene	12.75	91	86394	19.467	ug/l	99
79) tert-butylbenzene	12.97	119	87335	20.156	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	102939	19.771	ug/l	99
81) sec-Butylbenzene	13.15	105	118582	19.866	ug/l	100
82) p-Isopropyltoluene	13.26	119	103516	19.258	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	46033	19.185	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	45803	19.287	ug/l	98
85) n-Butylbenzene	13.59	91	95970	19.286	ug/l	98
86) Hexachloroethane	13.85	117	14375	19.185	ug/l	84
87) 1,2-Dichlorobenzene	13.63	146	45292	19.899	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	7670	20.958	ug/l	90
89) 1,2,4-Trichlorobenzene	14.89	180	24526	18.755	ug/l	99
90) Hexachlorobutadiene	14.99	225	10852	20.371	ug/l	98
91) Naphthalene	15.11	128	79562	19.343	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	24453	19.253	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

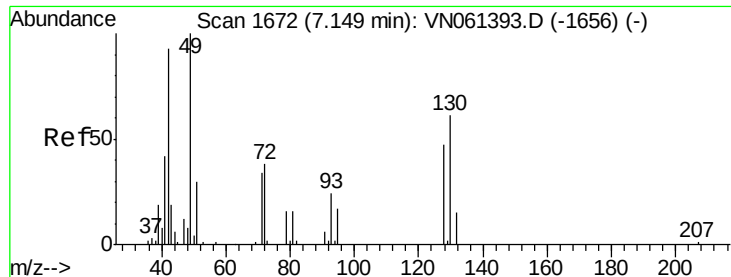
Manual Integrations
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QLast Update : Thu May 14 16:04:10 2020
Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

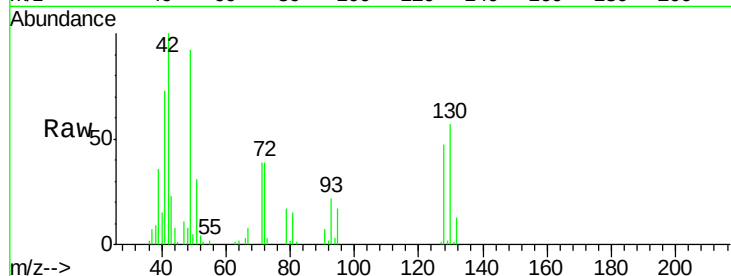
ClientSampleId :

VN0514WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	213.5	0.0	453.5
130	127.0	0.0	314.2

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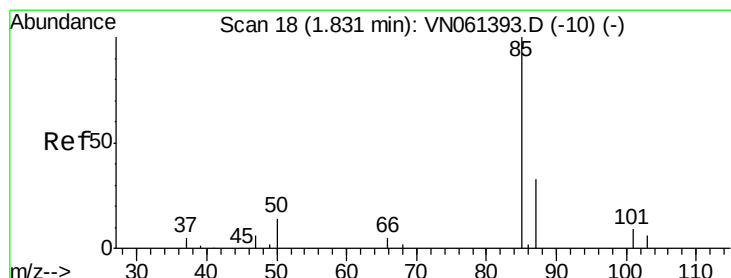
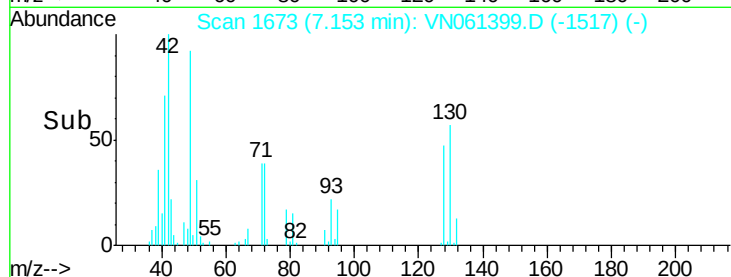
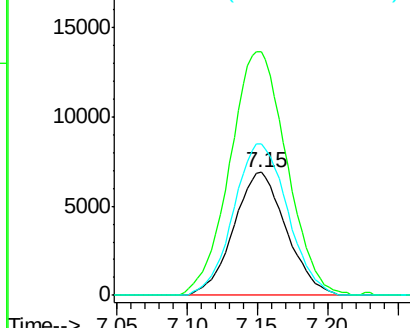
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.529 ug/l

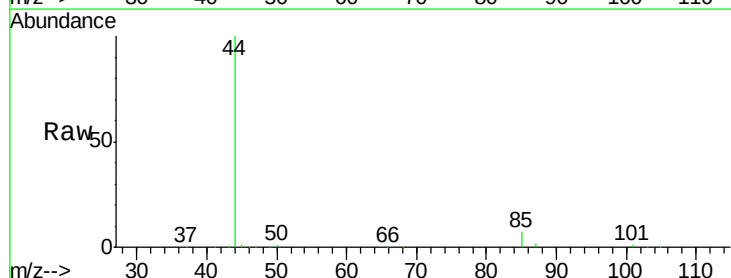
RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061399.D

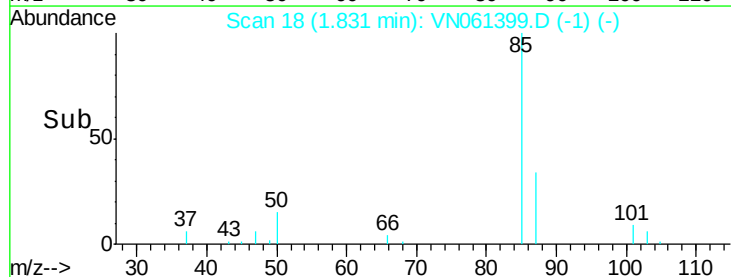
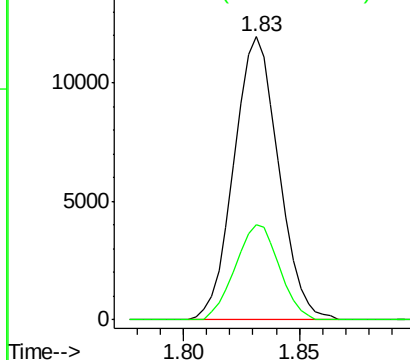
Acq: 14 May 2020 17:43

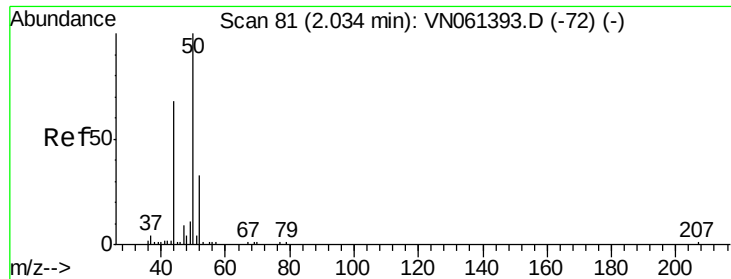
Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.7	47.0



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 21.422 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion: 50 Resp: 32047

Ion Ratio Lower Upper

50 100

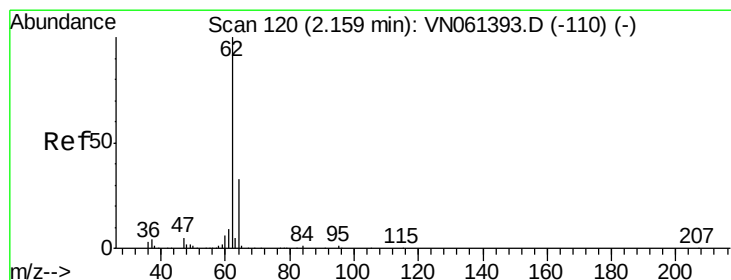
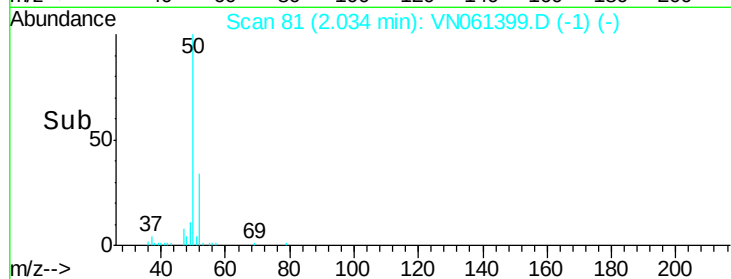
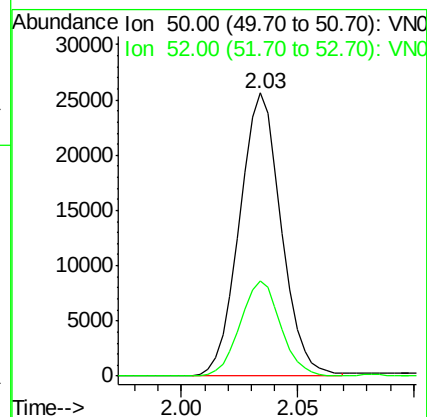
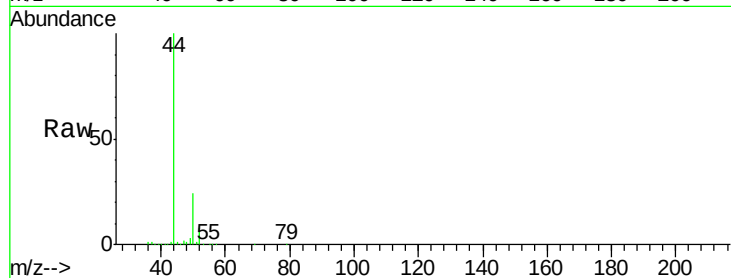
52 33.5 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.904 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061399.D

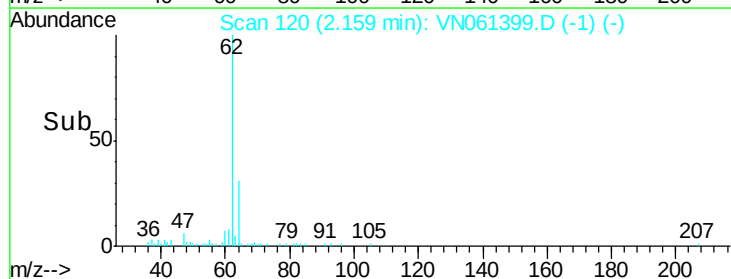
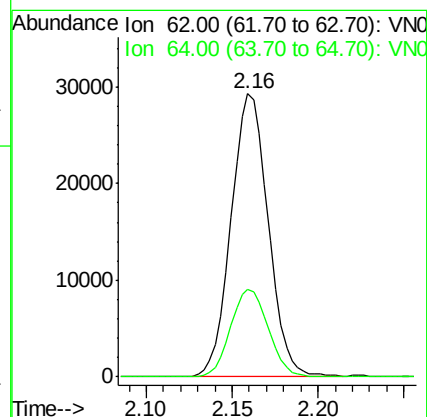
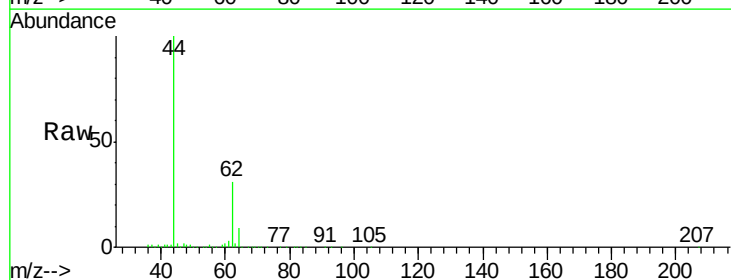
Acq: 14 May 2020 17:43

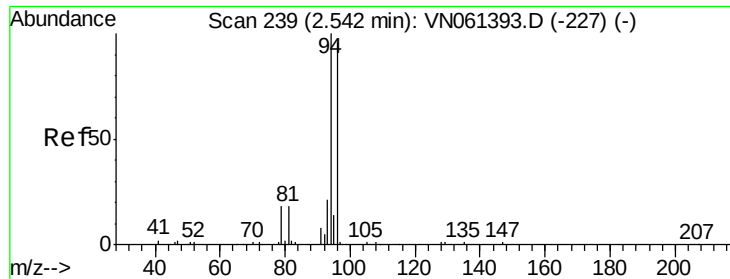
Tgt Ion: 62 Resp: 43926

Ion Ratio Lower Upper

62 100

64 31.0 26.1 39.1





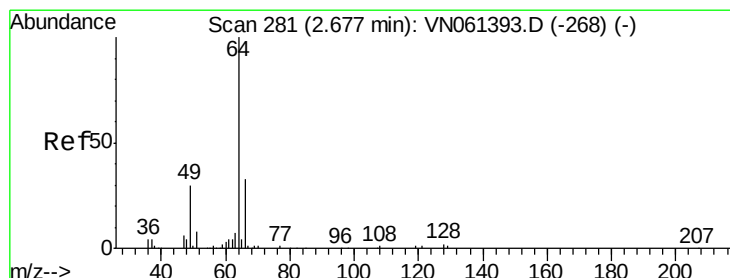
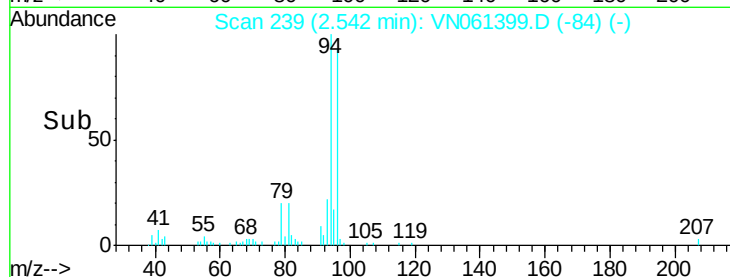
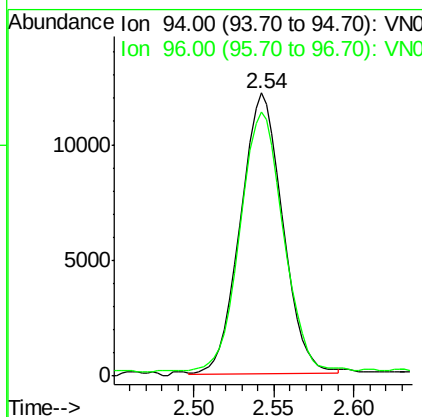
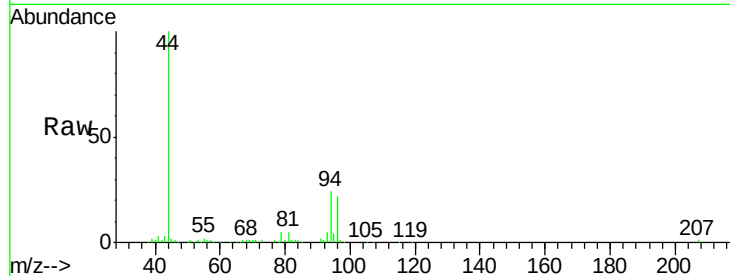
#5
Bromomethane
Concen: 21.349 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
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VN0514WBS01

Tot Ion	Ratio	Lower	Upper
94	100		
96	92.5	73.7	110.5

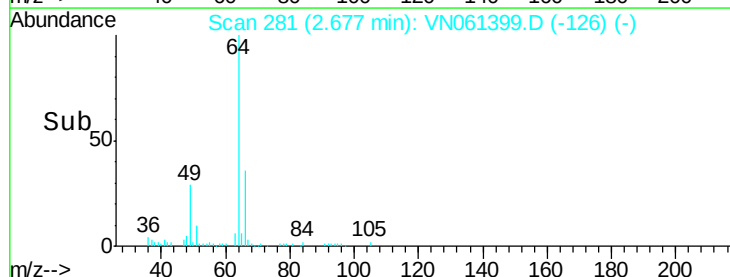
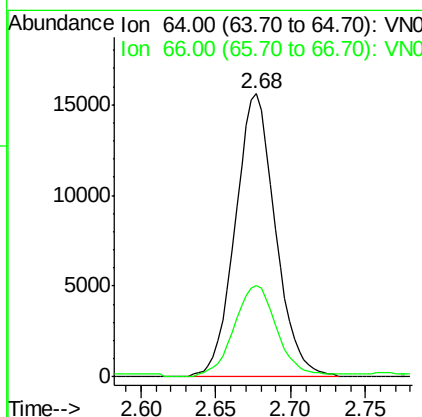
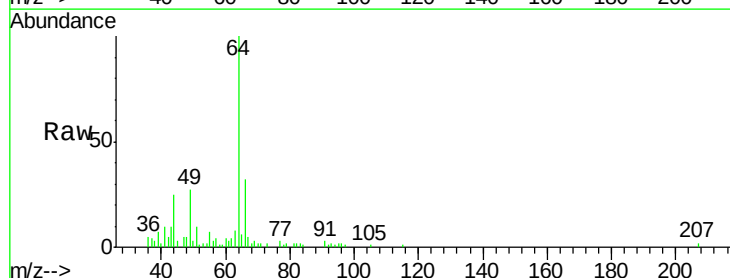
Manual Integrations
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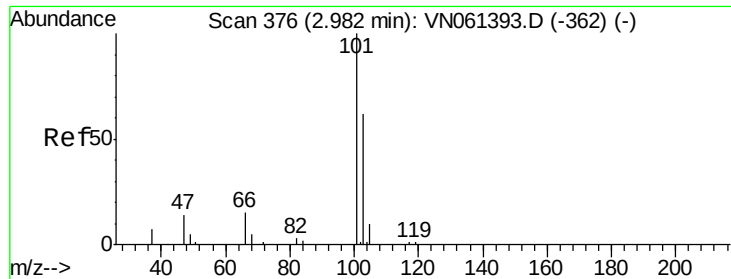
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#6
Chloroethane
Concen: 21.490 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.6	36.8





#7

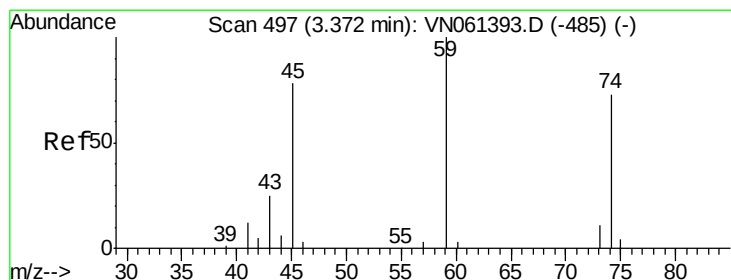
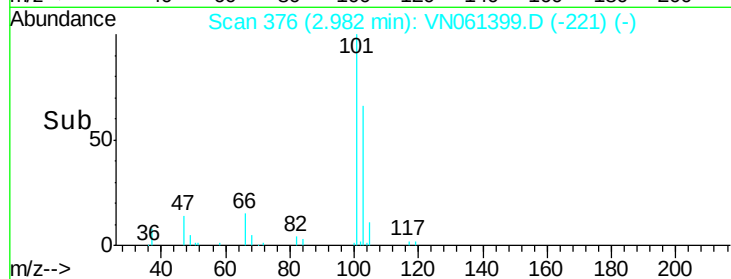
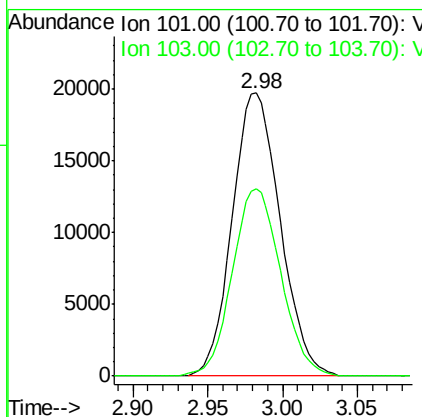
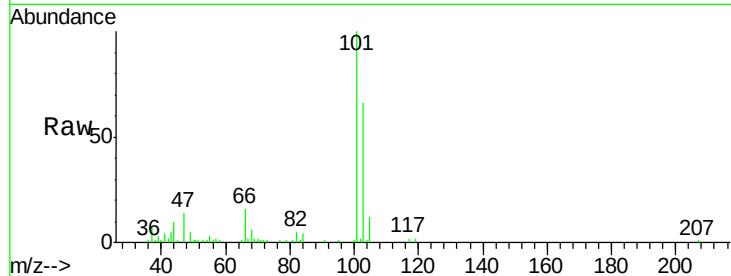
Trichlorofluoromethane
 Concen: 20.537 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
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 VN0514WBS01

Tot Ion	101	Resp	44077
Ion Ratio	100	Lower	Upper
101	100		
103	66.3	51.5	77.3

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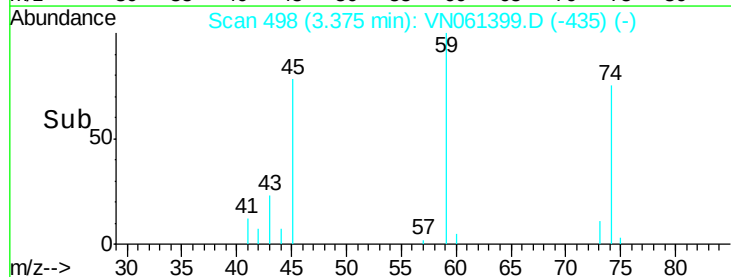
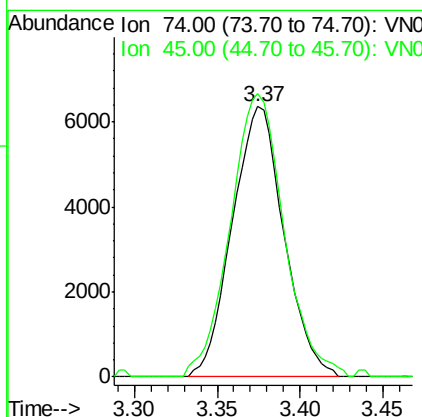
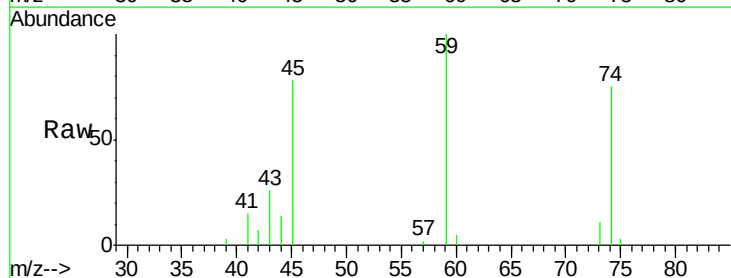
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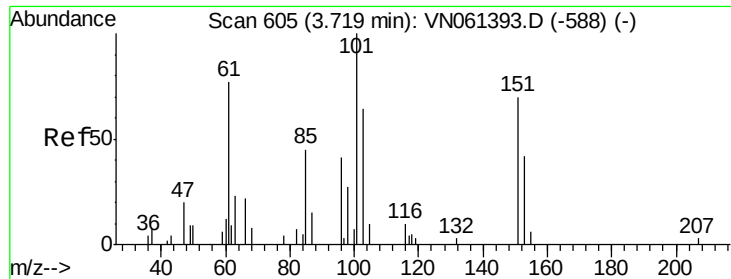


#8

Diethyl Ether
 Concen: 20.209 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	74	Resp	13795
Ion Ratio	100	Lower	Upper
74	100		
45	109.1	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.013 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

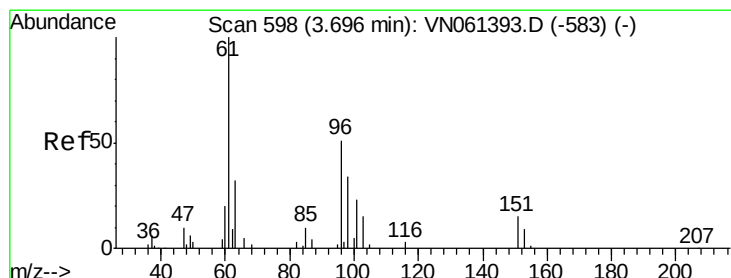
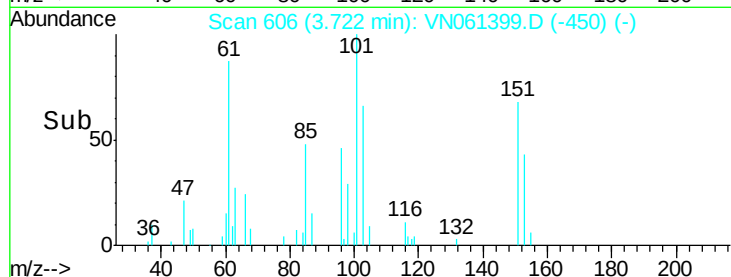
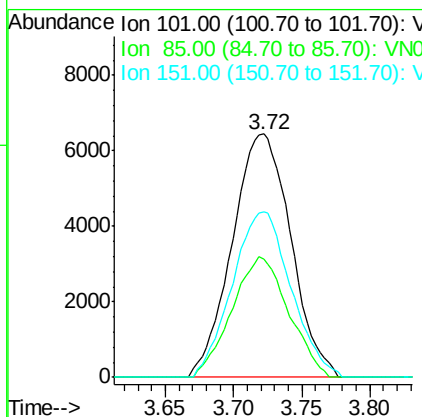
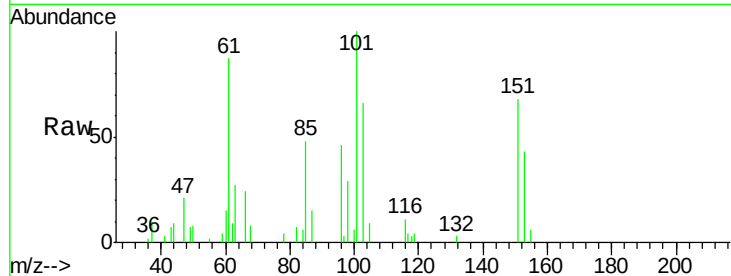
ClientSampleId :

VN0514WBS01

Tot Ion:	101	Resp:	19265
Ion Ratio	Lower	Upper	
101	100		
85	47.7	0.0	93.8
151	68.2	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 20.312 ug/l

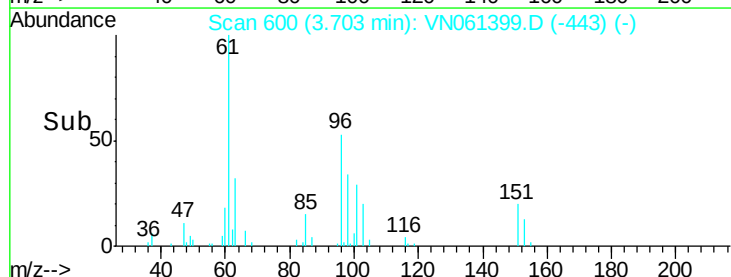
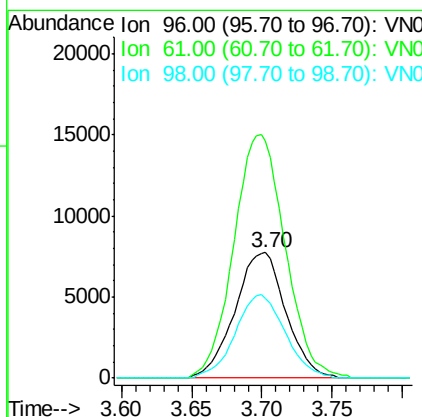
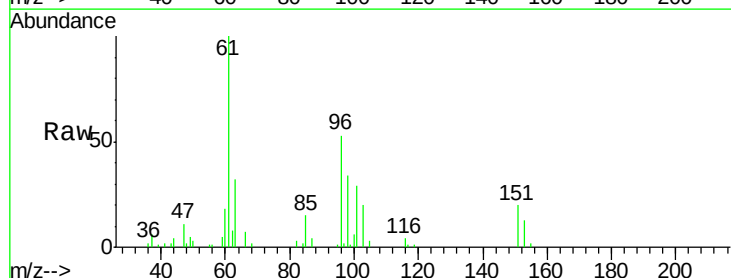
RT: 3.70 min Scan# 600

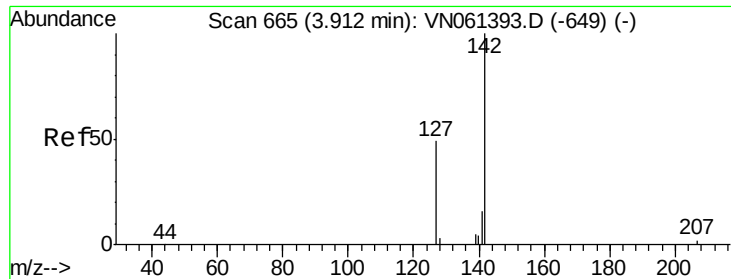
Delta R.T. 0.01 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Tgt Ion:	96	Resp:	19606
Ion Ratio	Lower	Upper	
96	100		
61	189.4	148.5	222.7
98	63.8	51.0	76.6





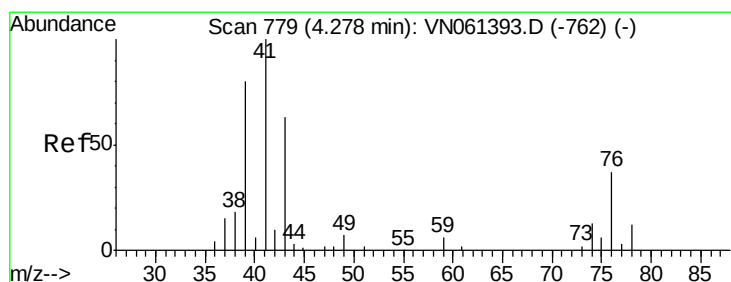
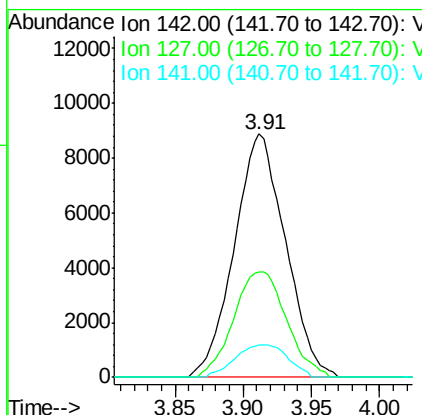
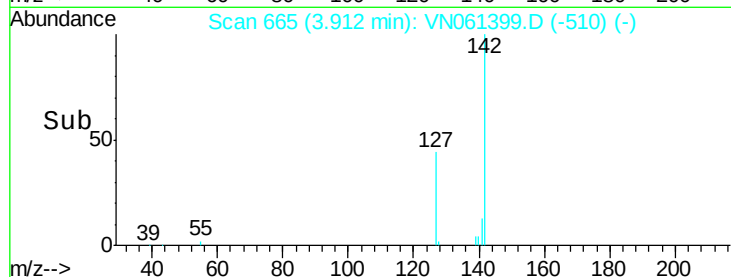
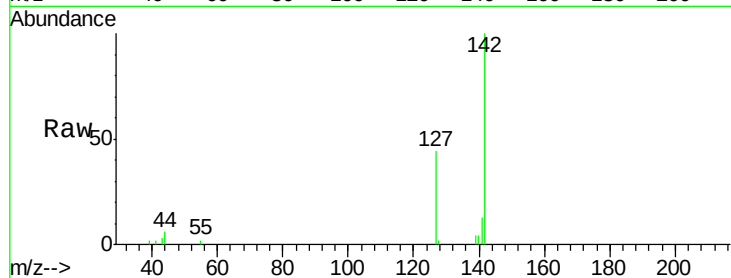
#11
Methvl Iodide
Concen: 22.161 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.5	23.5	70.6
141	13.2	7.4	22.2

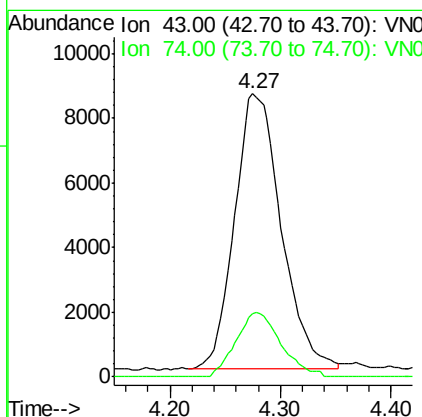
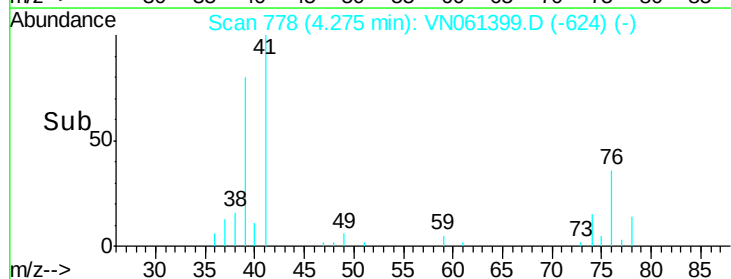
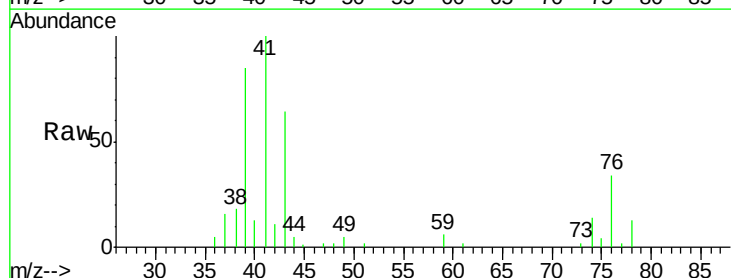
Manual Integrations
APPROVED

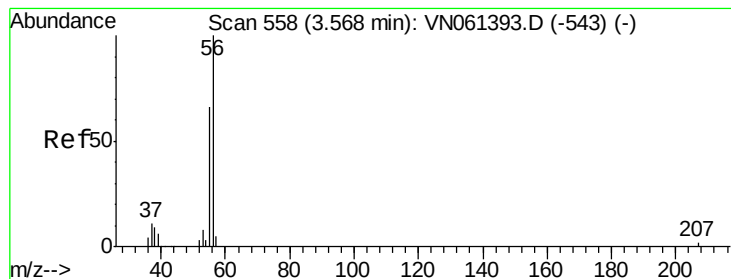
MMDadoda
5/15/2020 2:10:51 PM



#12
Methyl Acetate
Concen: 21.296 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.1	27.1





#13

Acrolein

Concen: 94.422 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion: 56 Resp: 18637

Ion Ratio Lower Upper

56 100

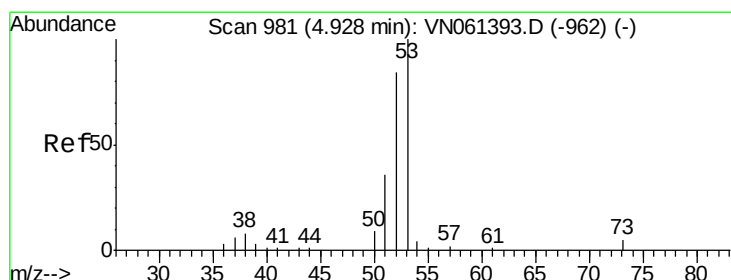
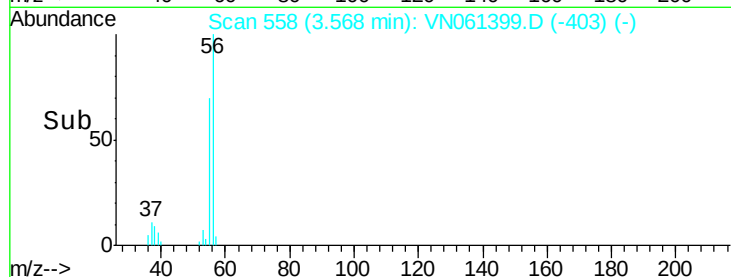
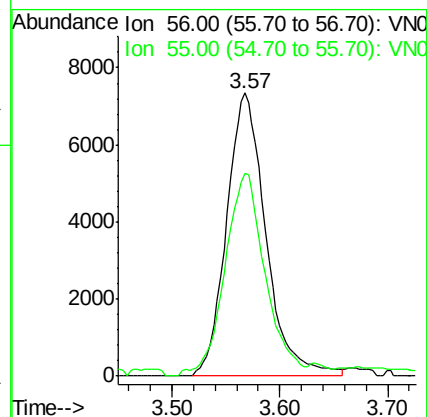
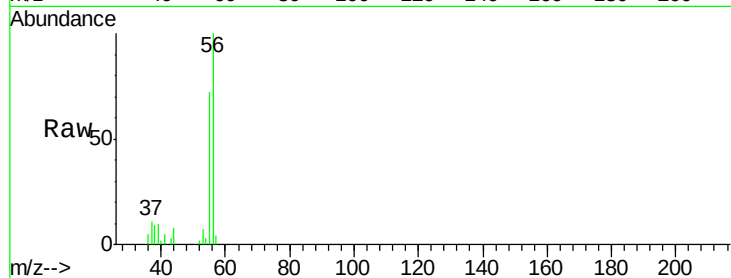
55 70.3 55.9 83.9

Manual Integrations

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#14

Acrylonitrile

Concen: 104.215 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

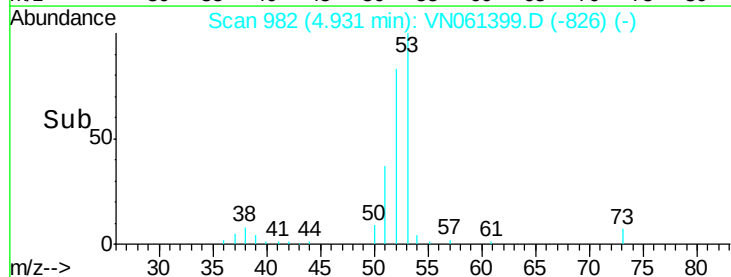
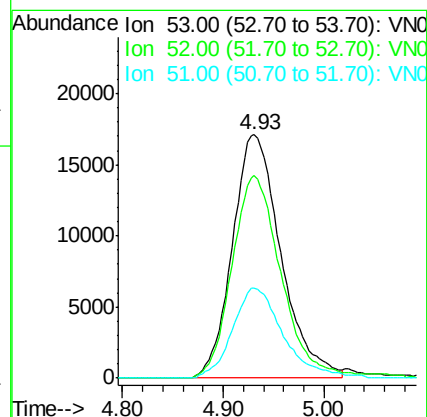
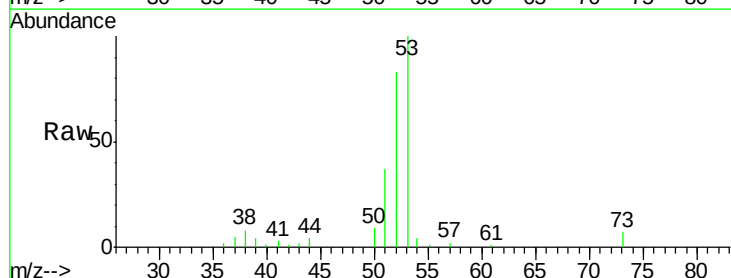
Tgt Ion: 53 Resp: 57345

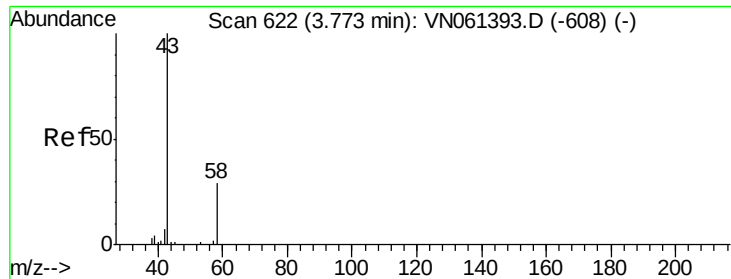
Ion Ratio Lower Upper

53 100

52 83.1 42.2 126.6

51 38.2 18.8 56.4





#15

Acetone

Concen: 113.609 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion: 58 Resp: 15012

Ion Ratio Lower Upper

58 100

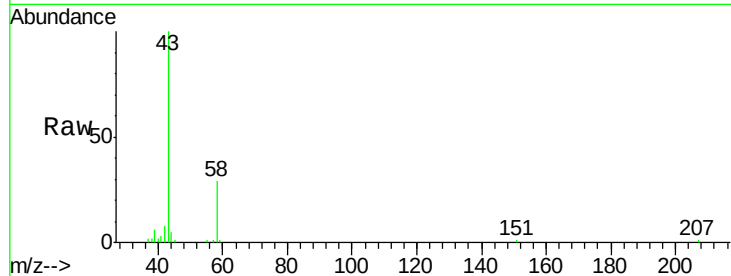
43 329.1 281.7 422.5

Manual Integrations

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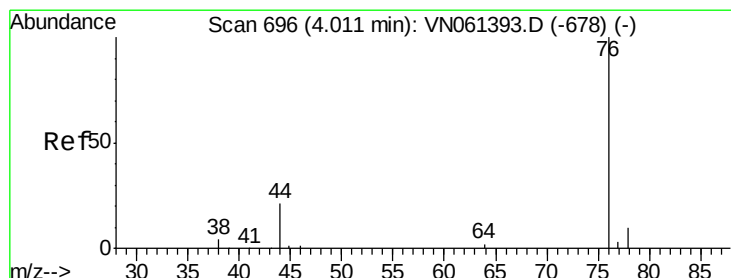
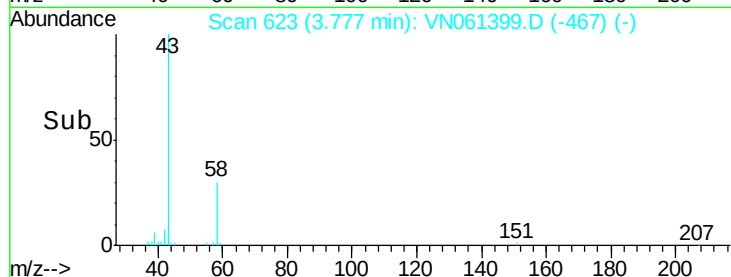
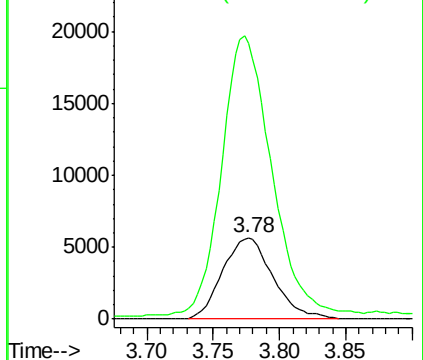
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 22.369 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.00 min

Lab File: VN061399.D

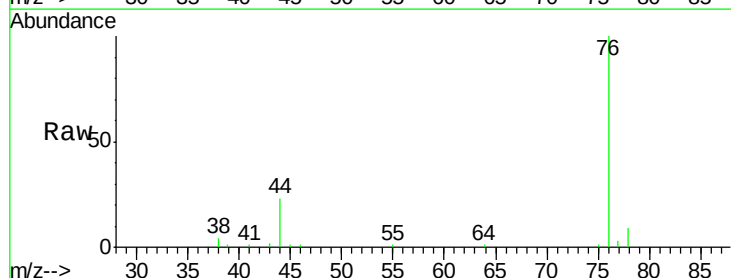
Acq: 14 May 2020 17:43

Tgt Ion: 76 Resp: 60695

Ion Ratio Lower Upper

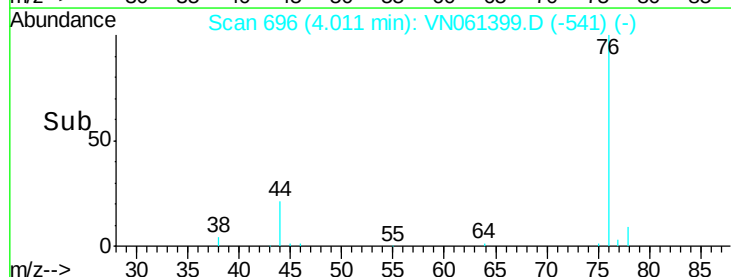
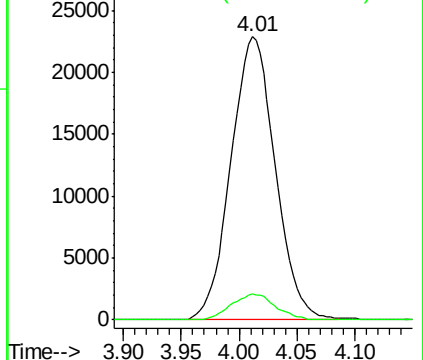
76 100

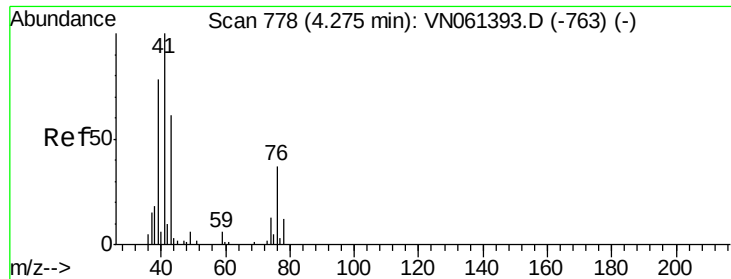
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





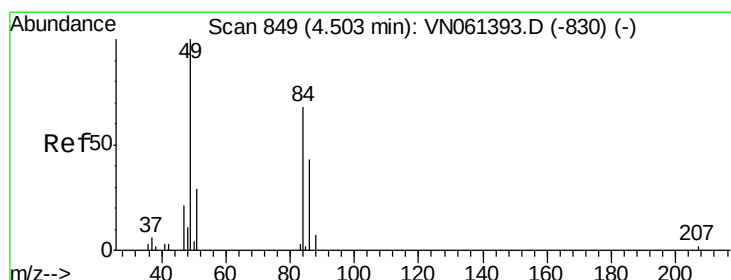
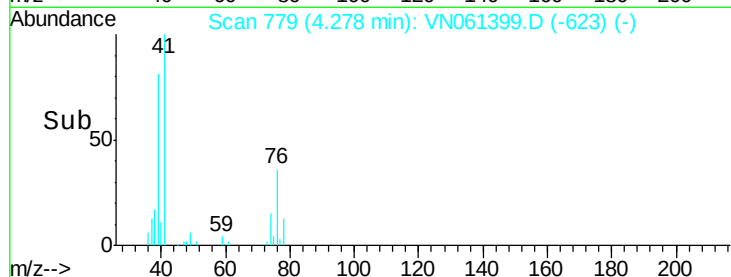
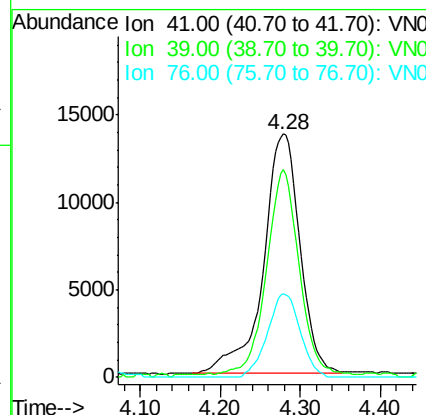
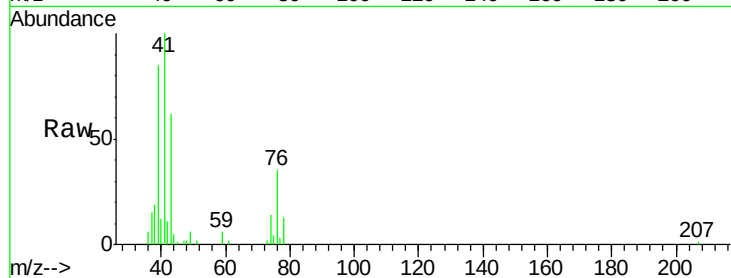
#17
Allvl chloride
Concen: 22.430 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	85.2	39.6	118.8
76	35.1	17.6	52.9

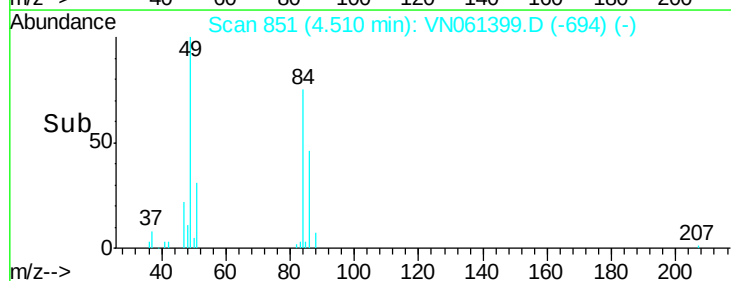
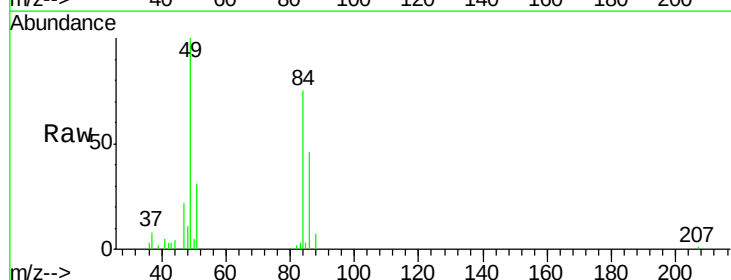
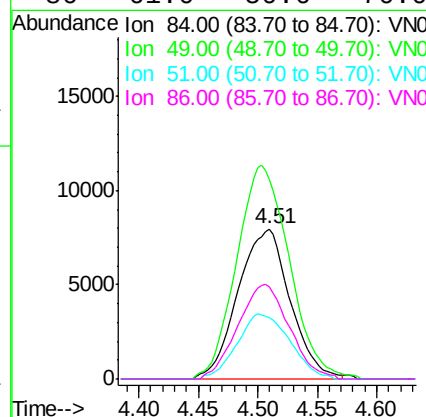
Manual Integrations
APPROVED

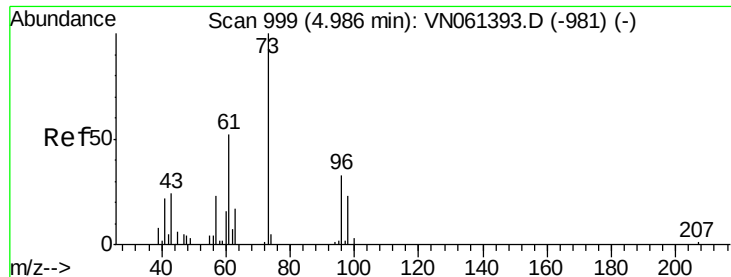
MMDadoda
5/15/2020 2:10:51 PM



#18
Methylene Chloride
Concen: 20.760 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.7	106.6	160.0
51	40.5	32.4	48.6
86	61.0	50.6	76.0





#19

trans-1,2-Dichloroethene

Concen: 19.712 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

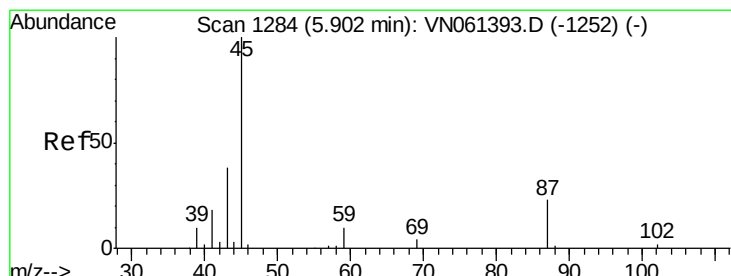
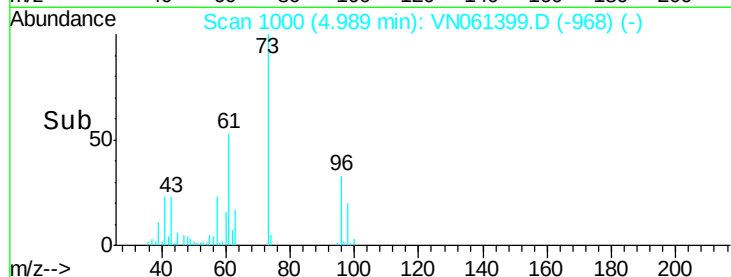
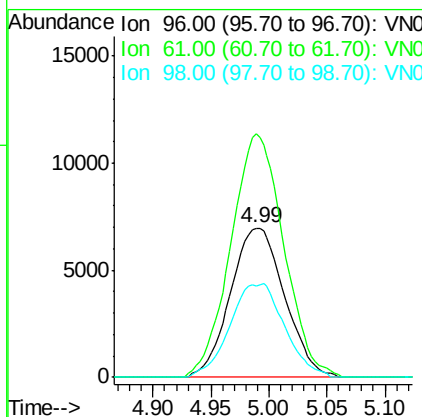
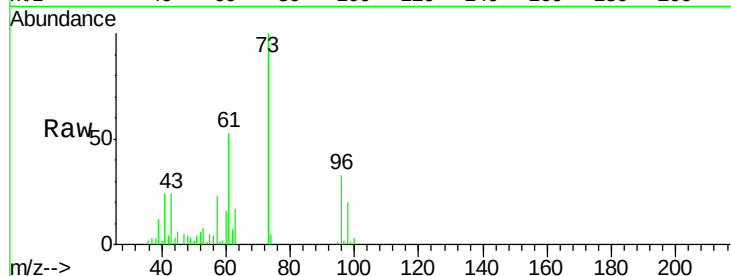
ClientSampled :

VN0514WBS01

Tot Ion:	96	Resp:	22644
Ion	Ratio	Lower	Upper
96	100		
61	160.7	131.8	197.6
98	61.2	52.6	79.0

Manual Integrations
APPROVED

MMDadoda
5/15/2020 2:10:51 PM



#20

Diisopropyl ether

Concen: 20.589 ug/l

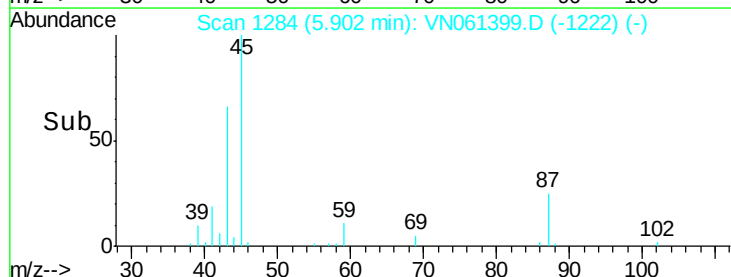
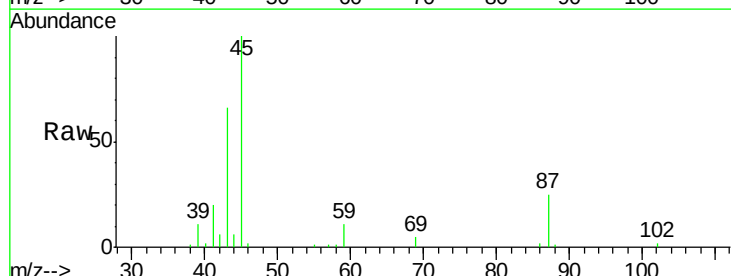
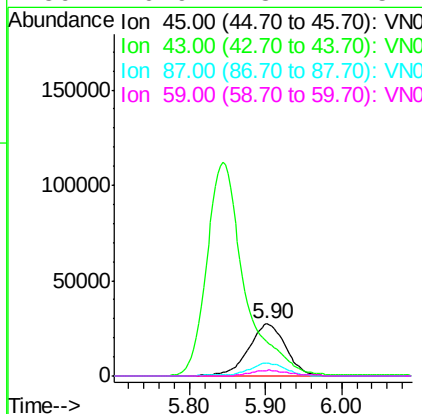
RT: 5.90 min Scan# 1284

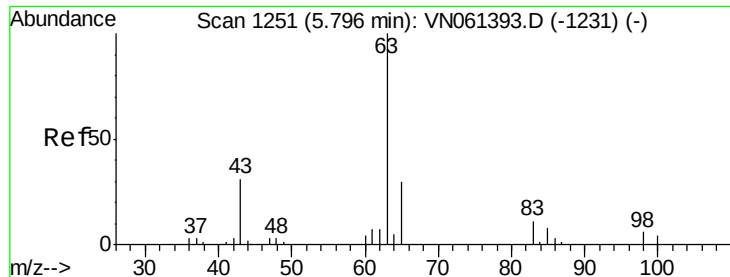
Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Tgt Ion:	45	Resp:	93122
Ion	Ratio	Lower	Upper
45	100		
43	63.7	54.7	82.1
87	25.0	21.5	32.3
59	10.9	8.7	13.1





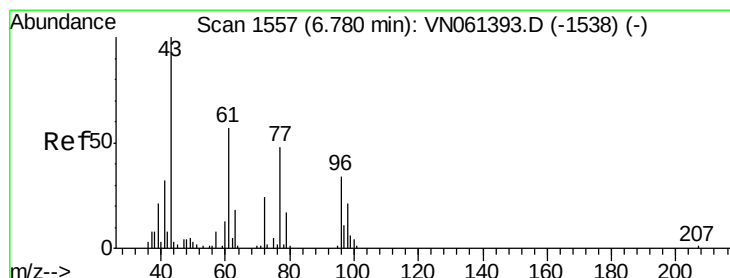
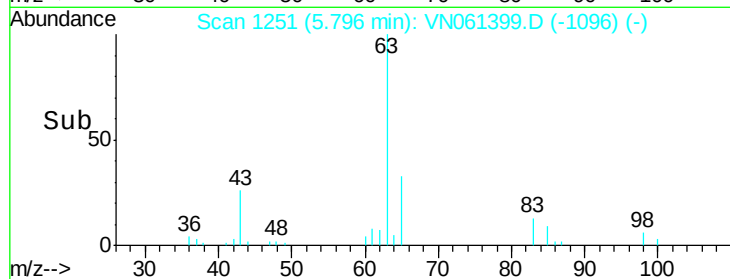
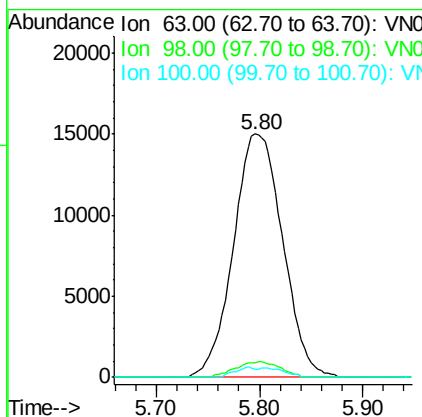
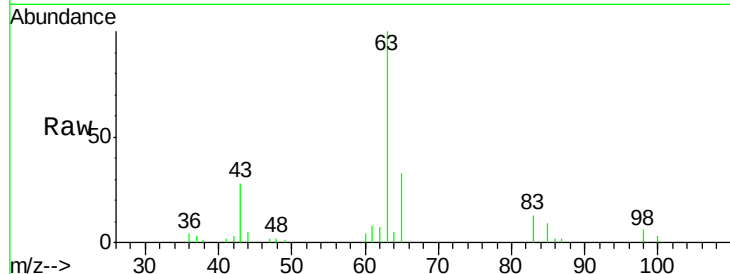
#21
 1,1-Dichloroethane
 Concen: 21.076 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	63	Resp	49776
Ion	Ratio	Lower	Upper
63	100		
98	6.1	2.9	8.6
100	3.4	1.8	5.5

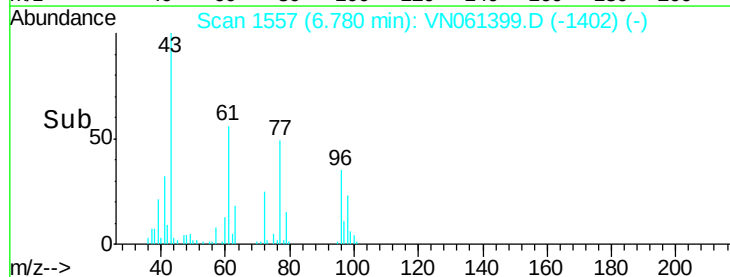
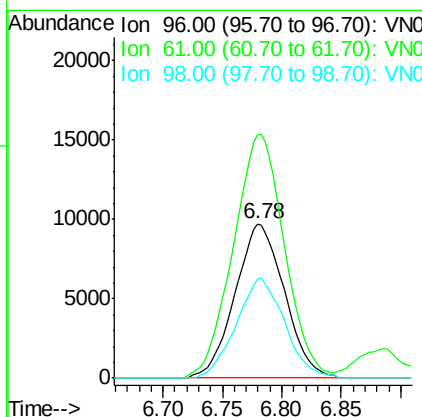
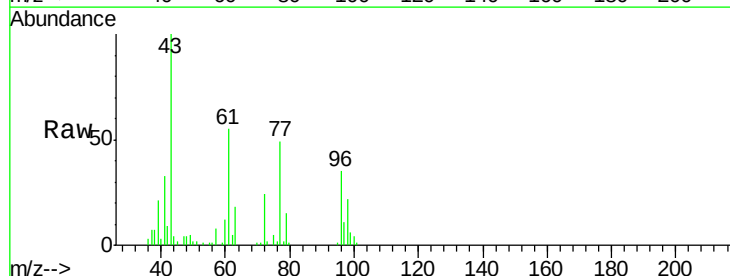
Manual Integrations
 APPROVED

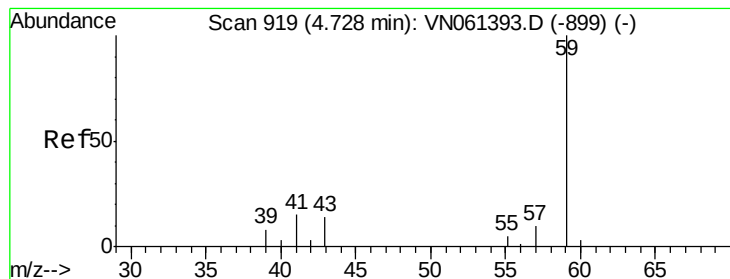
MMDadoda
 5/15/2020 2:10:51 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.695 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	96	Resp	27875
Ion	Ratio	Lower	Upper
96	100		
61	163.3	127.2	190.8
98	63.6	50.5	75.7





#23

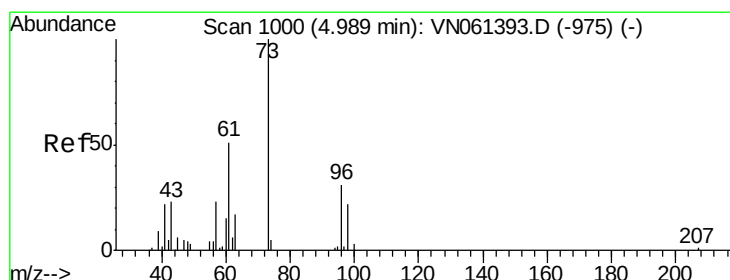
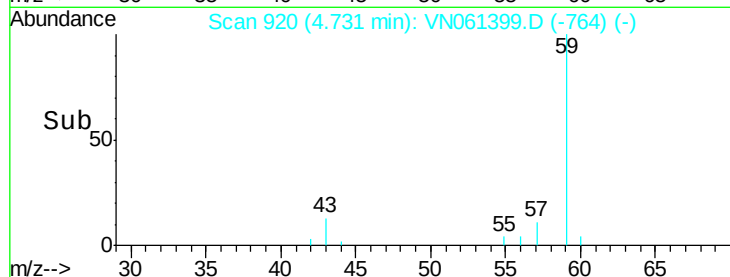
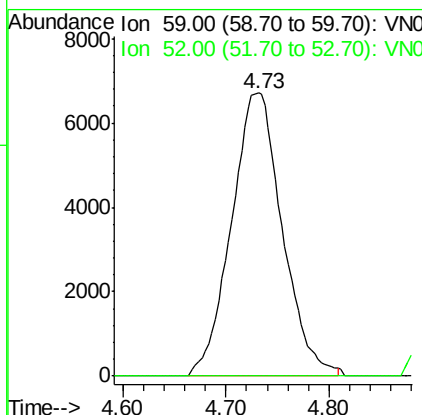
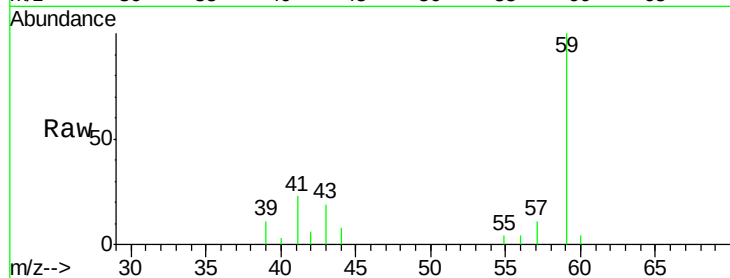
tert-Butyl Alcohol
 Concen: 130.676 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
 APPROVED

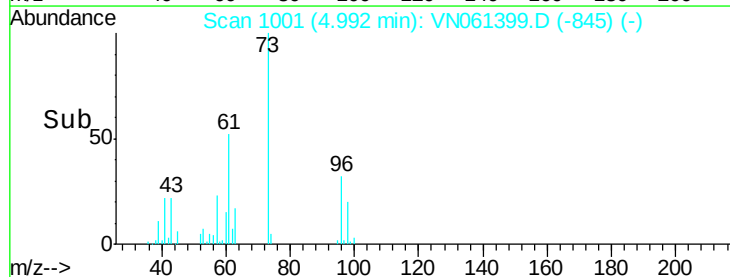
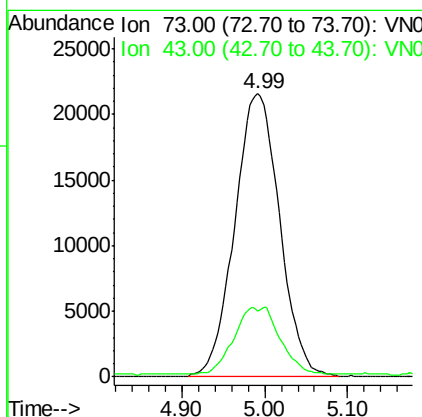
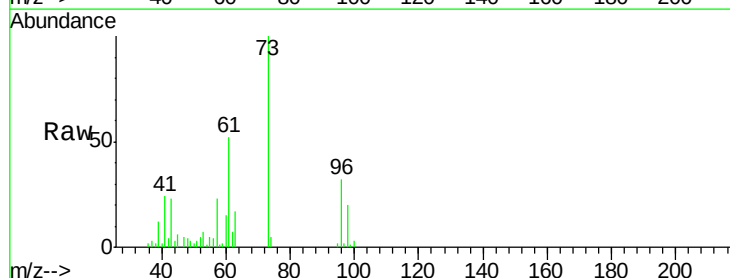
MMDadoda
 5/15/2020 2:10:51 PM

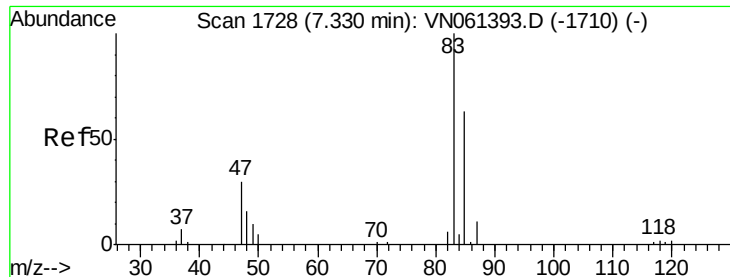


#24

Methyl tert-Butyl Ether
 Concen: 20.735 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
73	100		
43	12.8	17.9	26.9#





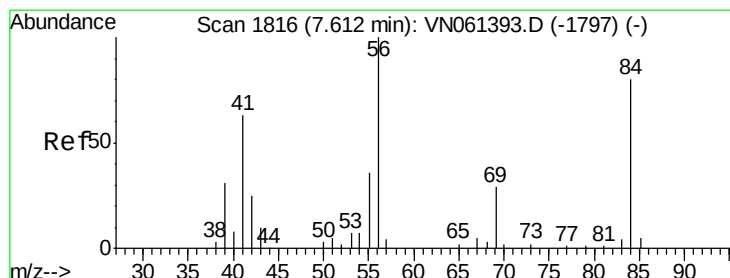
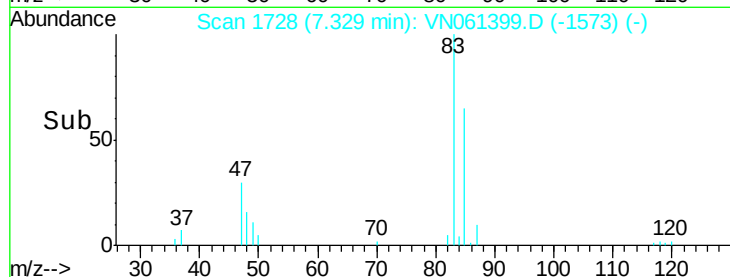
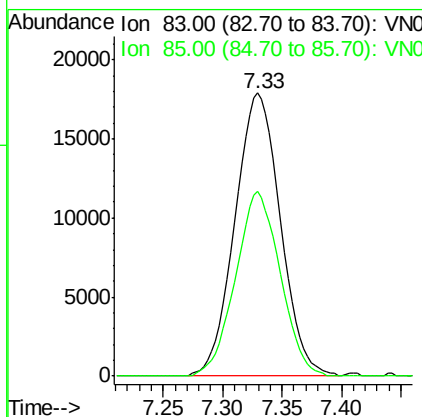
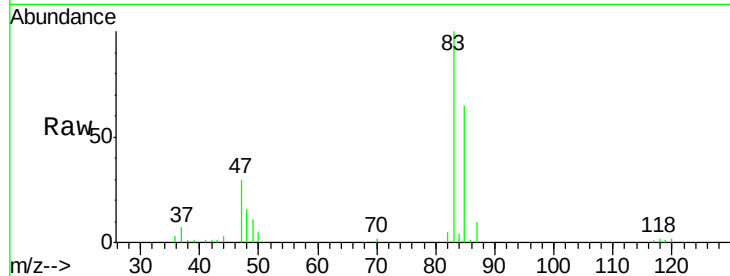
#25
Chloroform
Concen: 20.674 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	83	Resp	47329
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	53.8	80.8

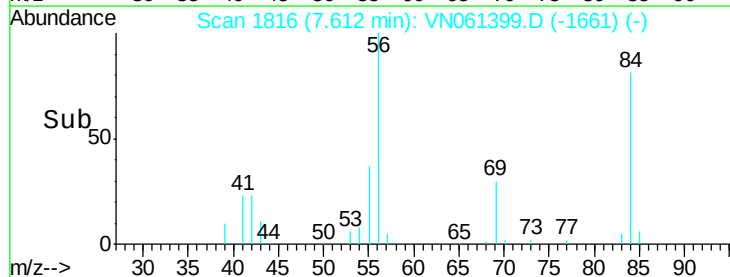
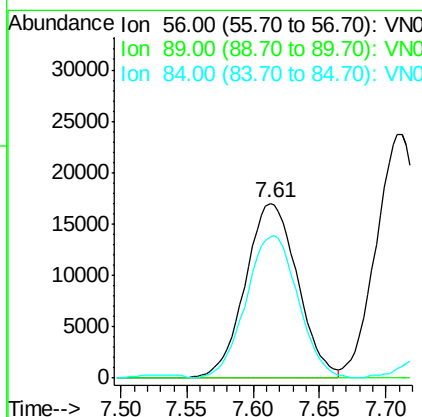
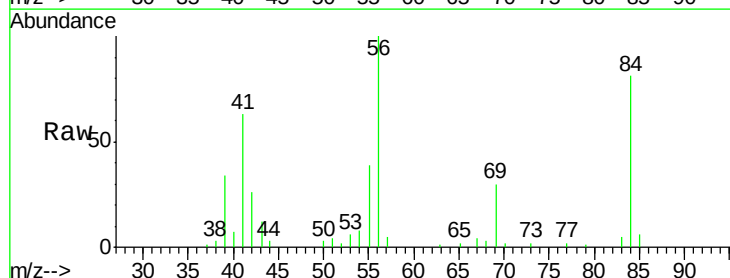
Manual Integrations
APPROVED

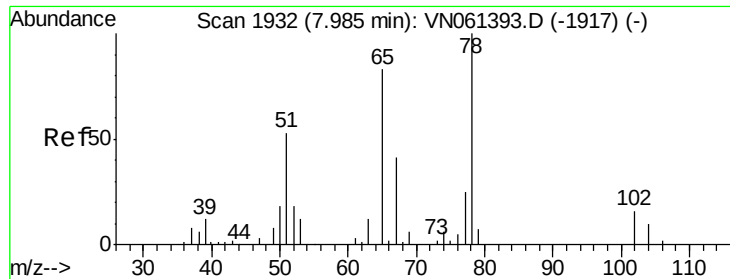
MMDadoda
5/15/2020 2:10:51 PM



#26
Cyclohexane
Concen: 20.687 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	56	Resp	46652
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	6.2	9.2#
84	81.0	65.6	98.4





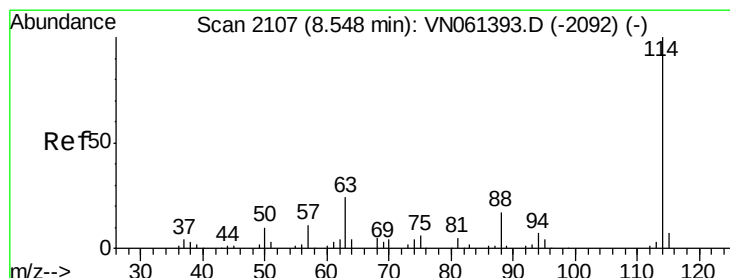
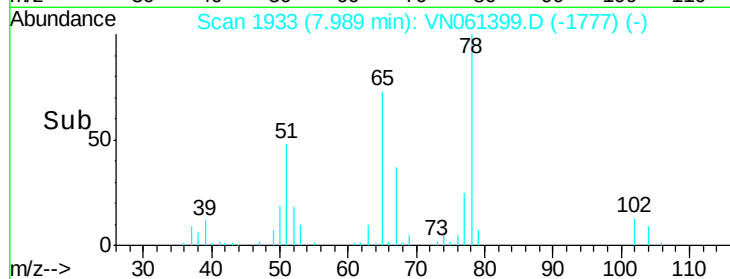
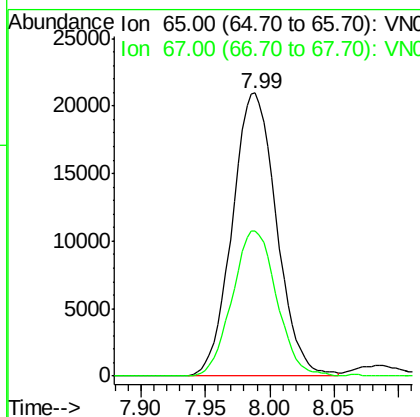
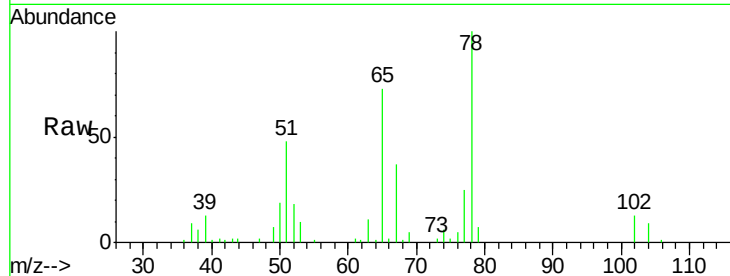
#27
 1,2-Dichloroethane-d4
 Concen: 31.145 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.3		41.5	62.3

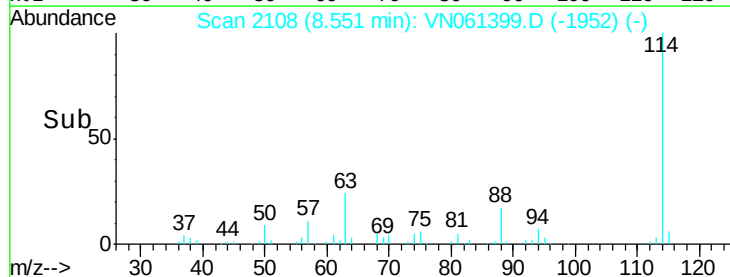
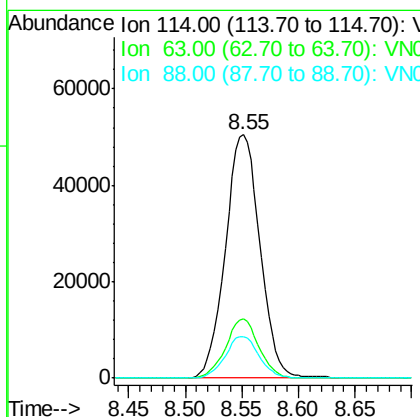
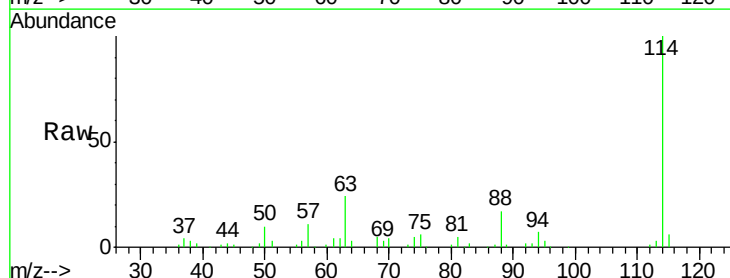
Manual Integrations
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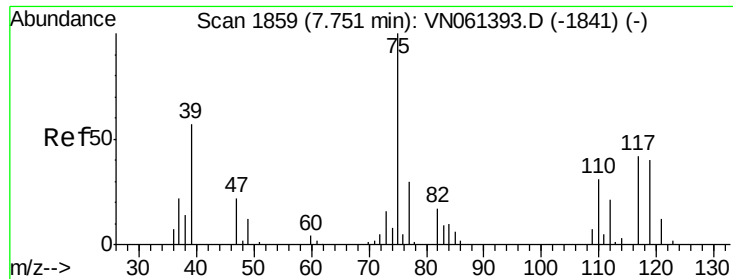
MMDadoda
 5/15/2020 2:10:51 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.2		18.1	27.1
88	16.8		13.0	19.4





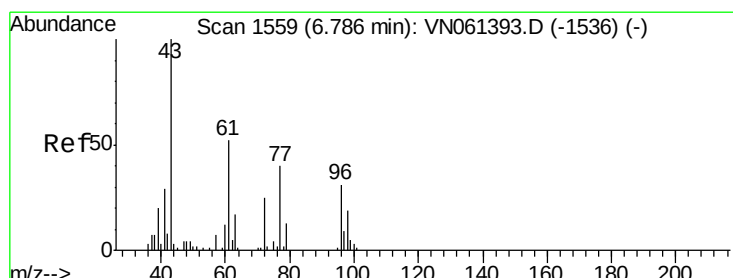
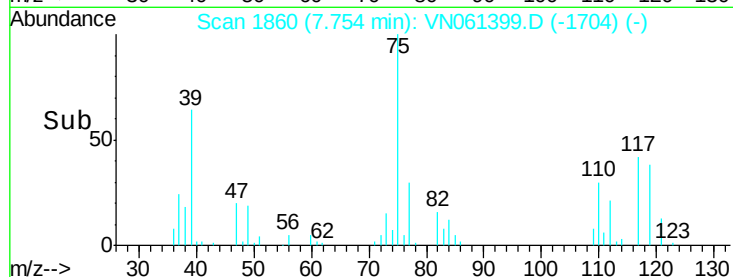
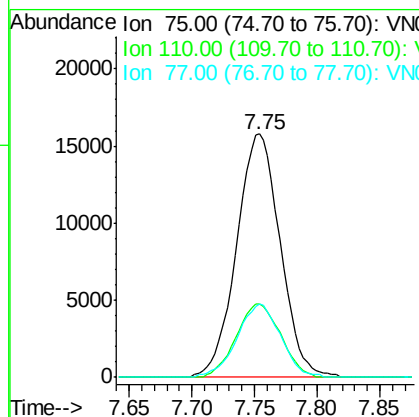
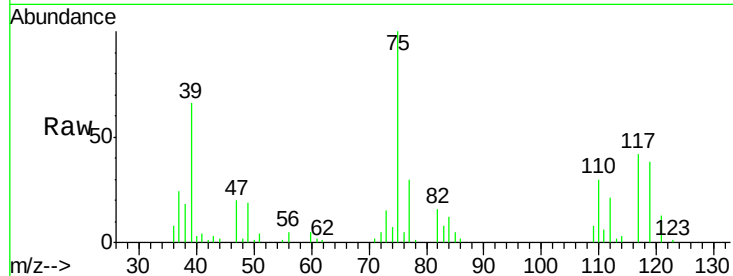
#29
 1,1-Dichloropropene
 Concen: 20.278 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	30.6	0.0	64.6
77	30.0	0.0	60.8

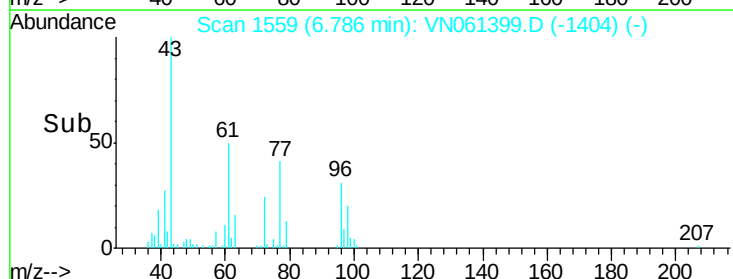
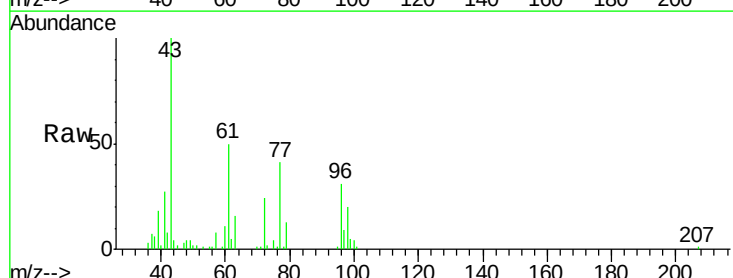
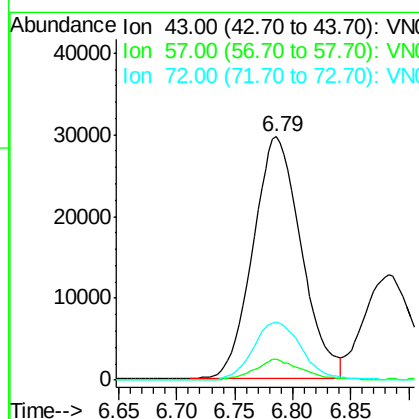
Manual Integrations
 APPROVED

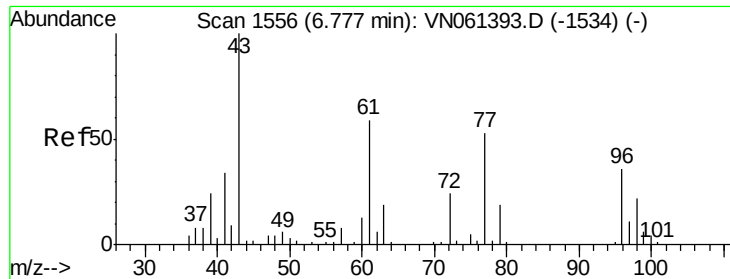
MMDadoda
 5/15/2020 2:10:51 PM



#30
 2-Butanone
 Concen: 107.198 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.4	6.5	9.7
72	24.2	20.1	30.1





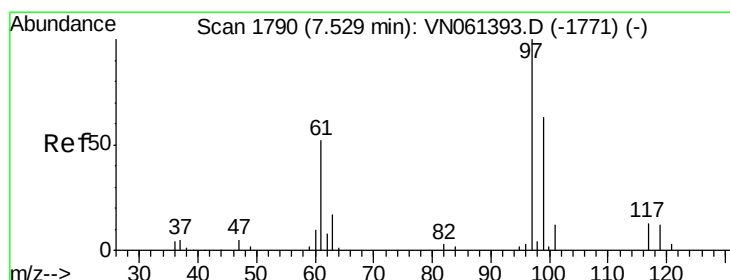
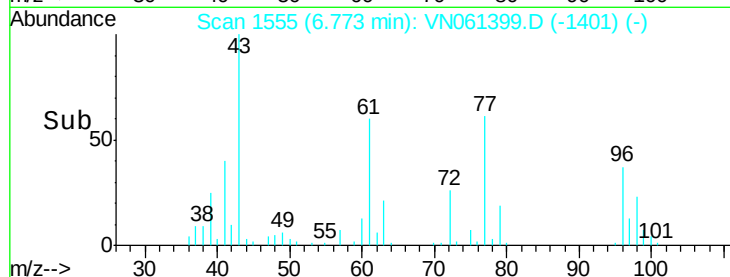
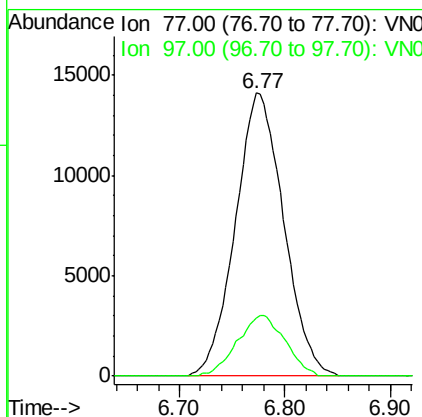
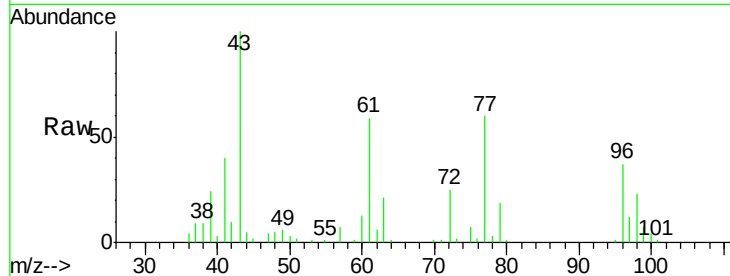
#31
 2,2-Dichloropropane
 Concen: 20.424 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.1	17.9	26.9

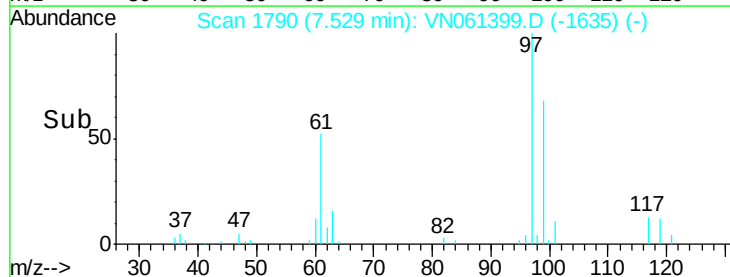
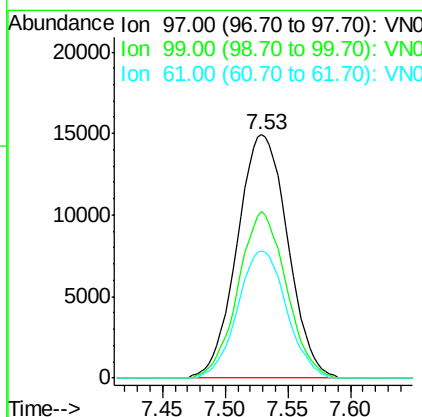
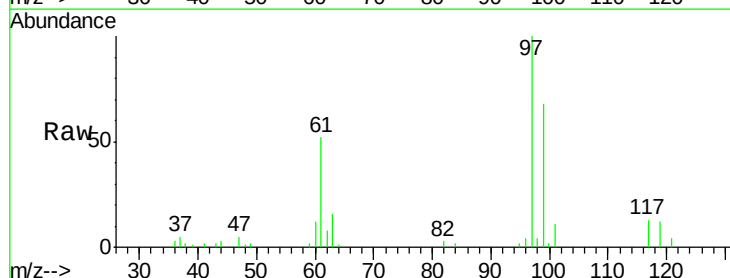
Manual Integrations
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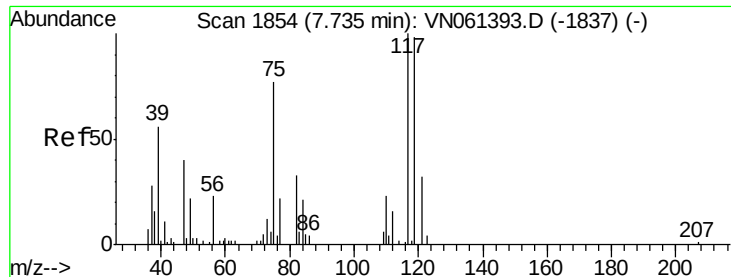
MMDadoda
 5/15/2020 2:10:51 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.862 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	50.3	38.4	57.6





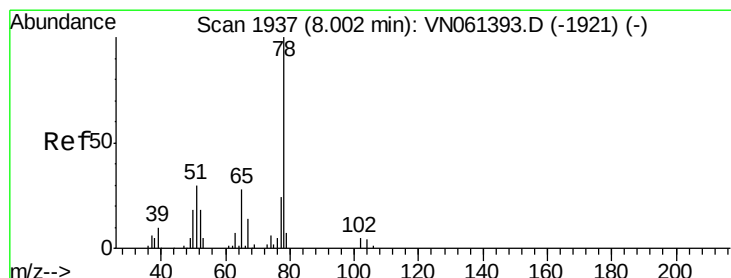
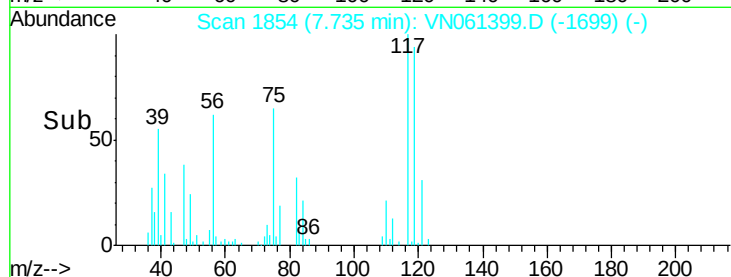
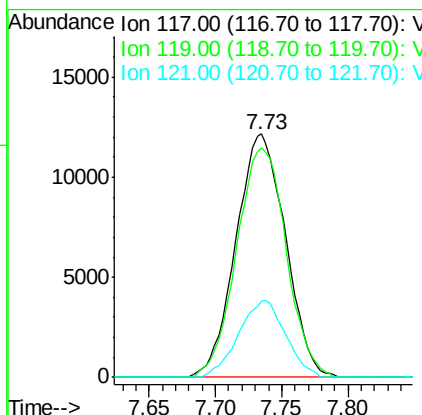
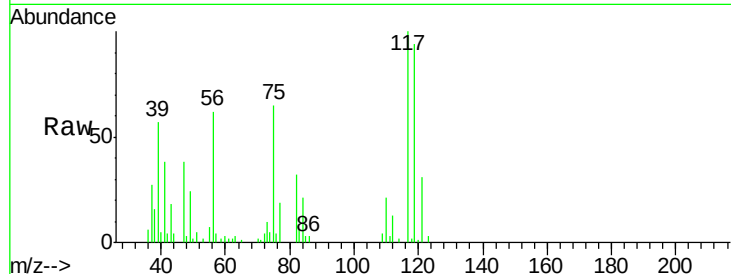
#33
Carbon Tetrachloride
Concen: 19.584 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.9	115.3
121	30.9	23.8	35.8

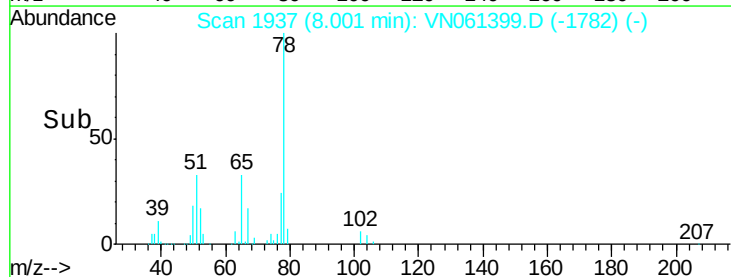
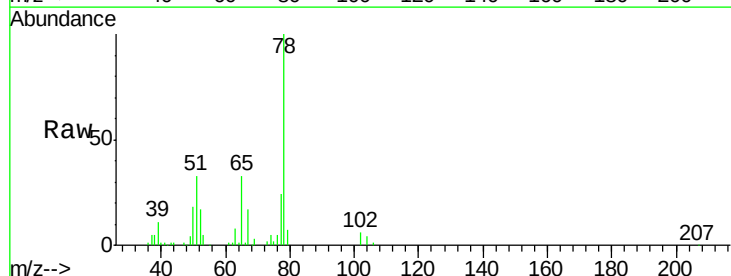
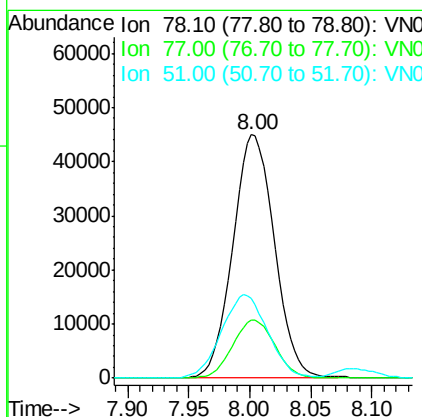
Manual Integrations
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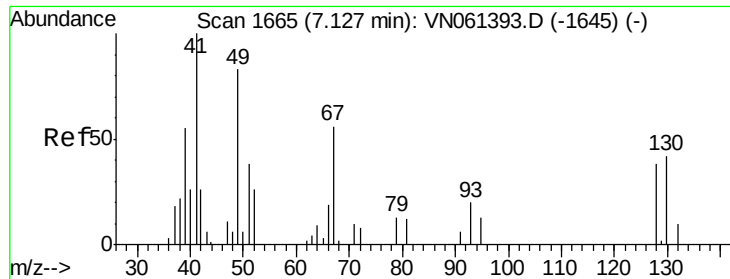
MMDadoda
5/15/2020 2:10:51 PM



#34
Benzene
Concen: 19.963 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8
51	31.6	22.1	33.1





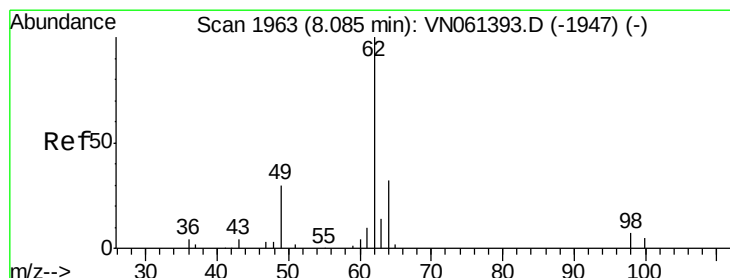
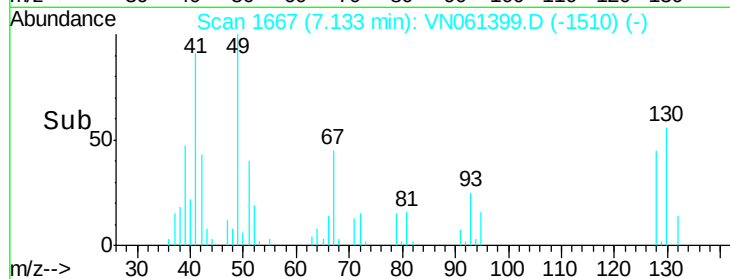
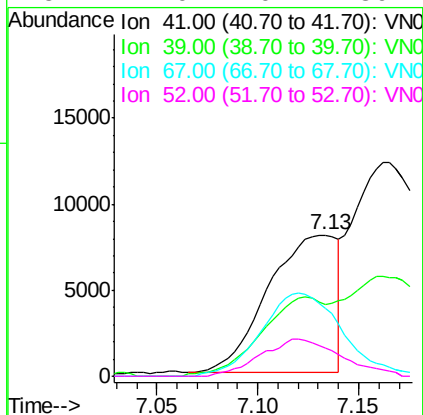
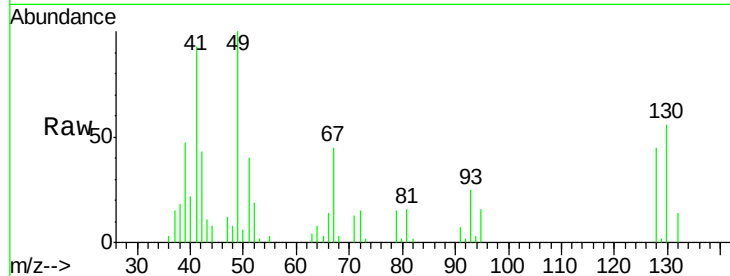
#35
Methacrylonitrile
Concen: 23.669 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	41	Resp	18919
Ion Ratio	Lower	Upper	
41	100		
39	50.4	25.8	77.4
67	50.1	23.0	69.0
52	21.0	10.1	30.1

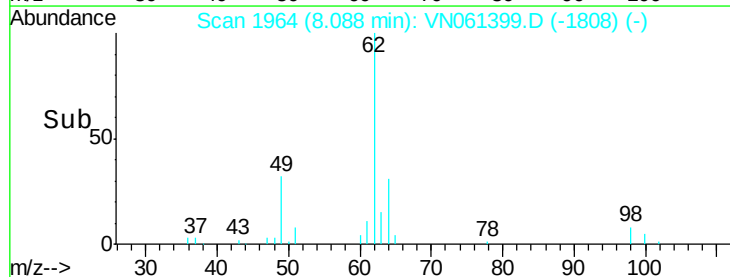
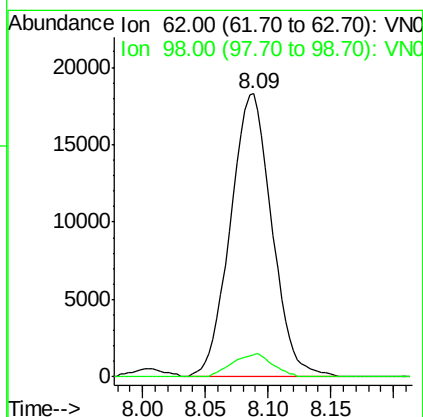
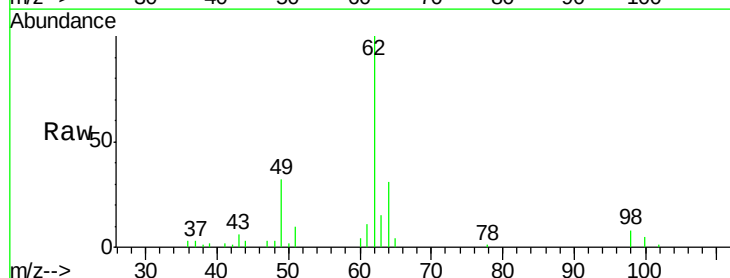
Manual Integrations
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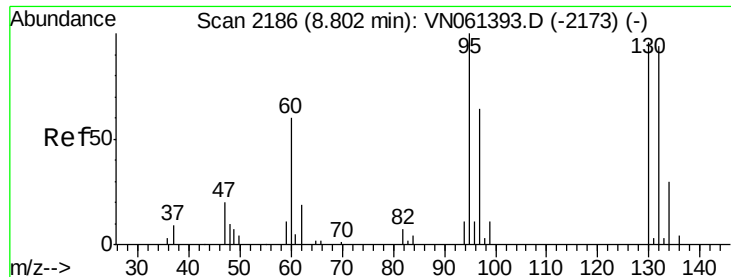
MMDadoda
5/15/2020 2:10:51 PM



#36
1,2-Dichloroethane
Concen: 20.562 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	62	Resp	42067
Ion Ratio	Lower	Upper	
62	100		
98	7.9	6.4	9.6





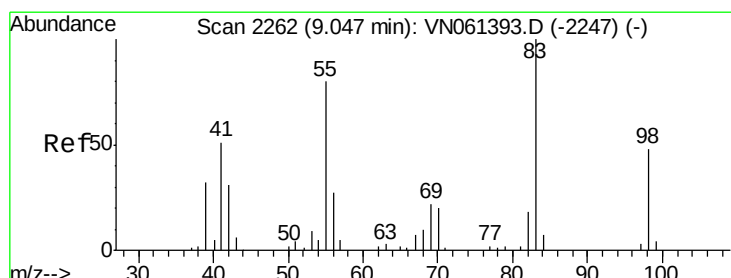
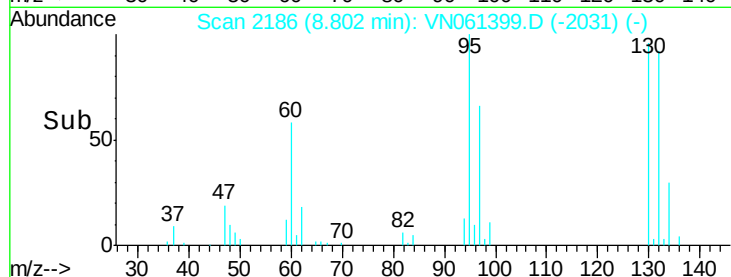
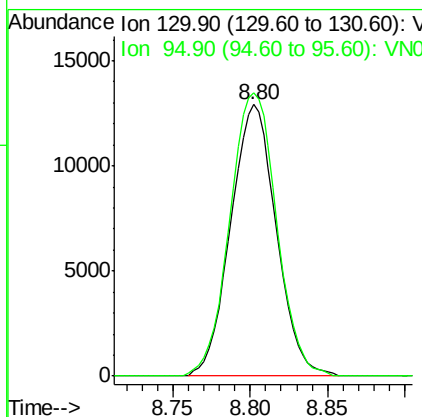
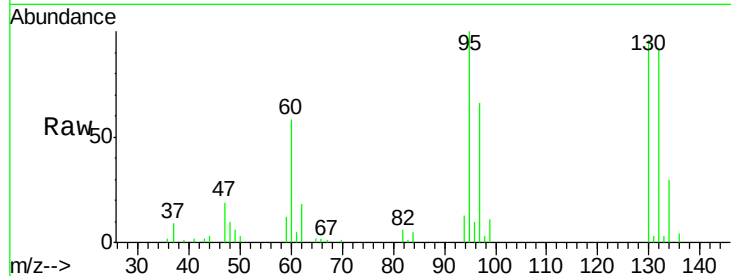
#37
 Trichloroethene
 Concen: 20.180 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion:130 Resp: 26482
 Ion Ratio Lower Upper
 130 100
 95 104.3 83.2 124.8

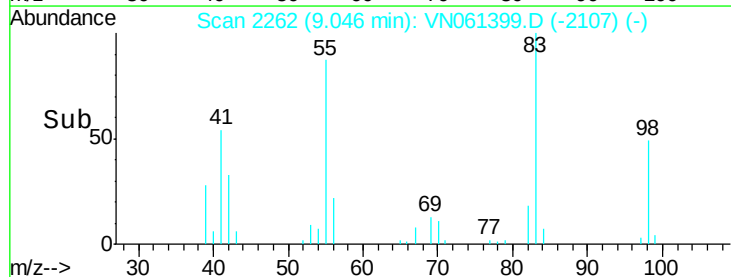
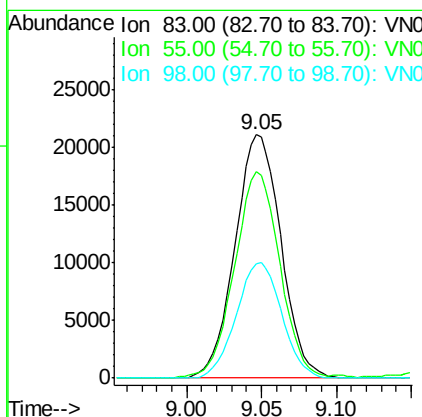
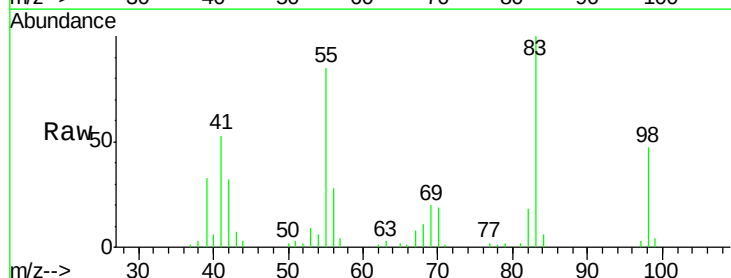
Manual Integrations
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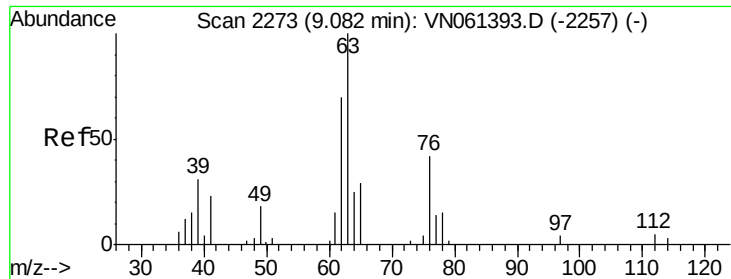
MMDadoda
 5/15/2020 2:10:51 PM



#38
 Methylcyclohexane
 Concen: 19.980 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion: 83 Resp: 45184
 Ion Ratio Lower Upper
 83 100
 55 83.5 40.4 121.1
 98 46.8 21.6 65.0





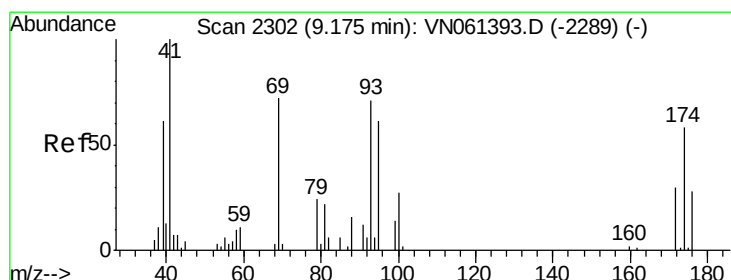
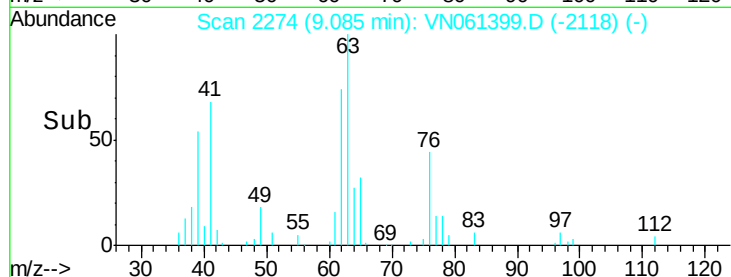
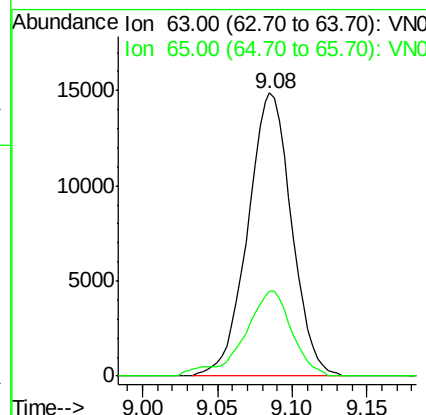
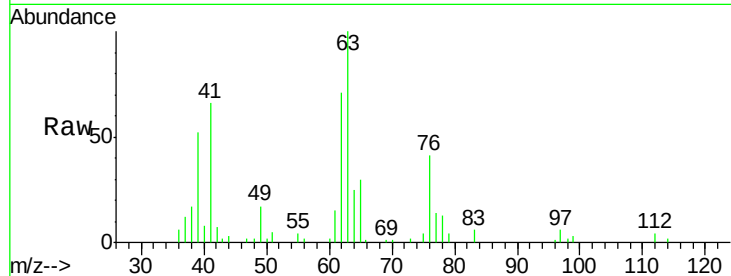
#39
 1,2-Dichloropropane
 Concen: 20.664 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	23.8	35.6

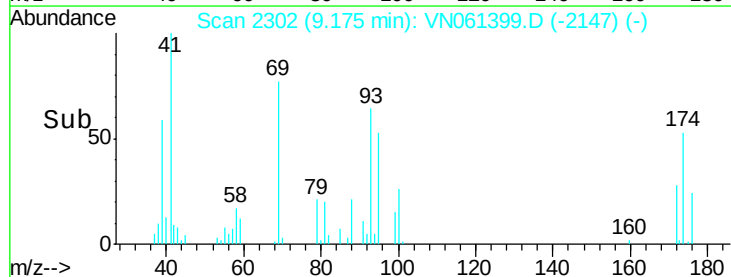
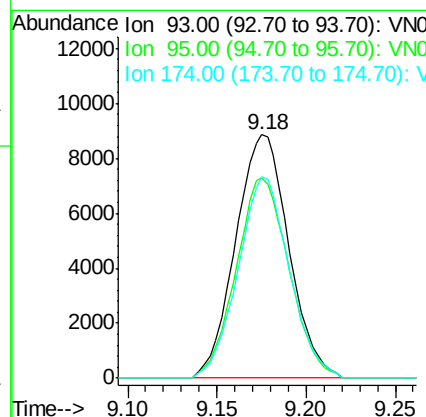
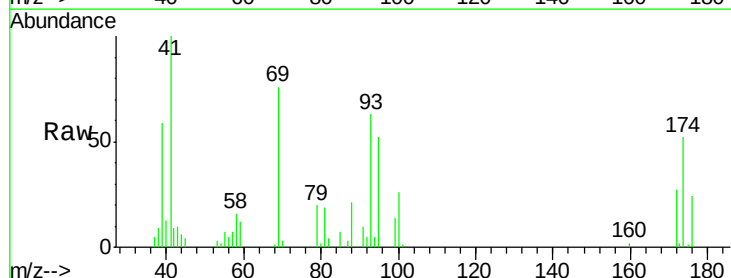
Manual Integrations
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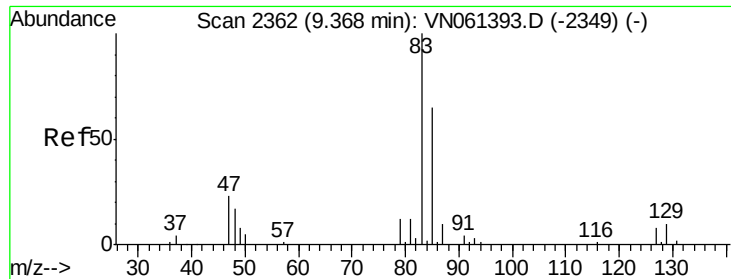
MMDadoda
 5/15/2020 2:10:51 PM



#40
 Dibromomethane
 Concen: 20.336 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	0.0	167.6
174	80.0	0.0	187.2





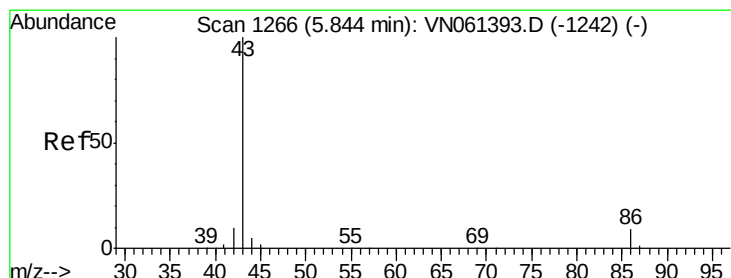
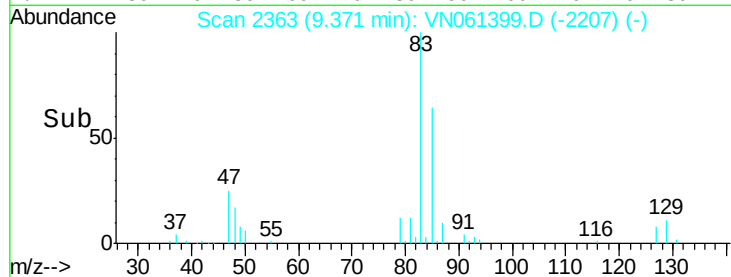
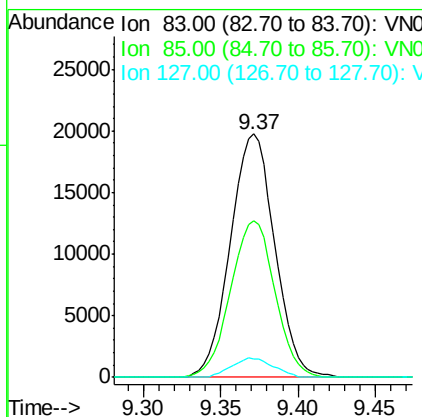
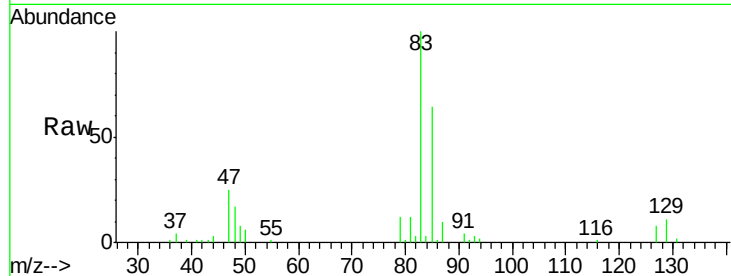
#41
 Bromodichloromethane
 Concen: 20.061 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	83	Resp	39386
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	51.0	76.4
127	7.7	6.6	9.8

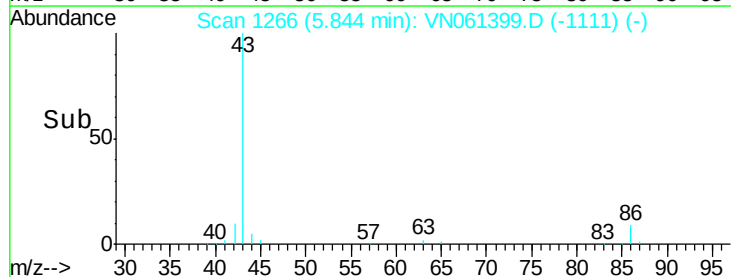
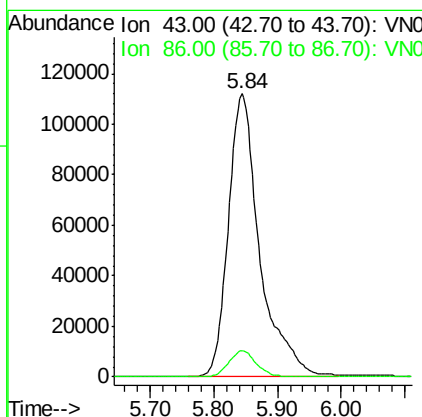
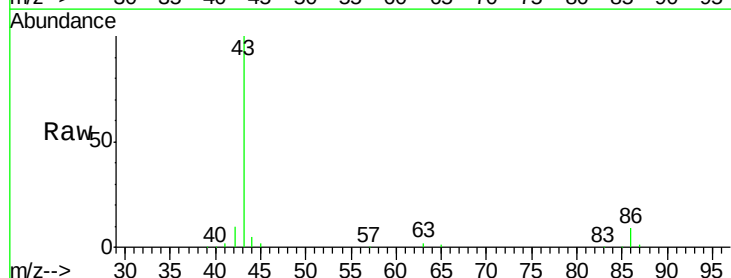
Manual Integrations
 APPROVED

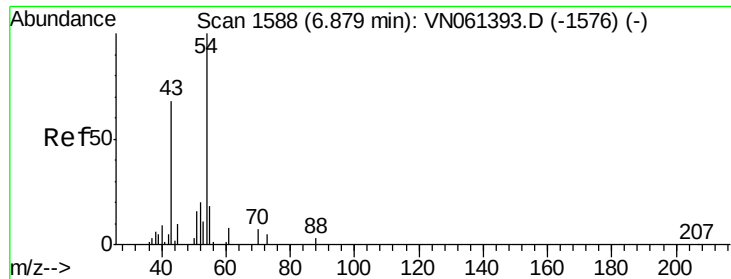
MMDadoda
 5/15/2020 2:10:51 PM



#42
 Vinyl Acetate
 Concen: 101.275 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	43	Resp	383266
Ion Ratio	100	Lower	Upper
43	100		
86	8.2	6.5	9.7





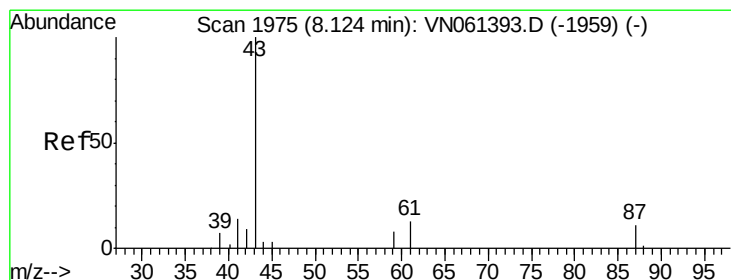
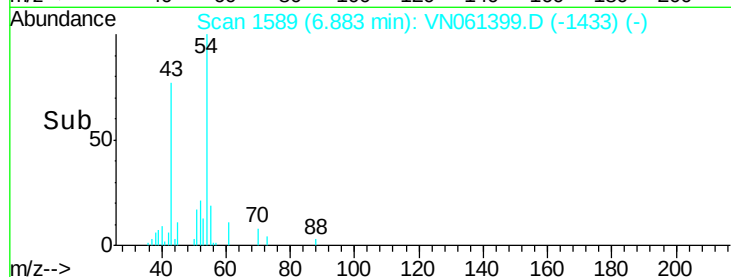
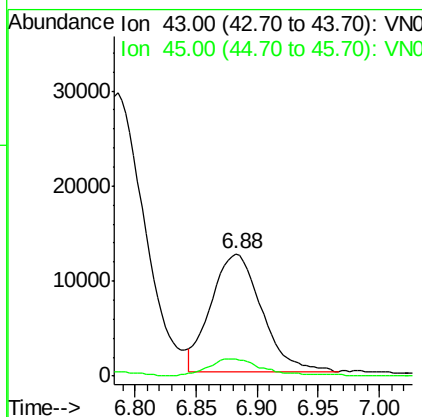
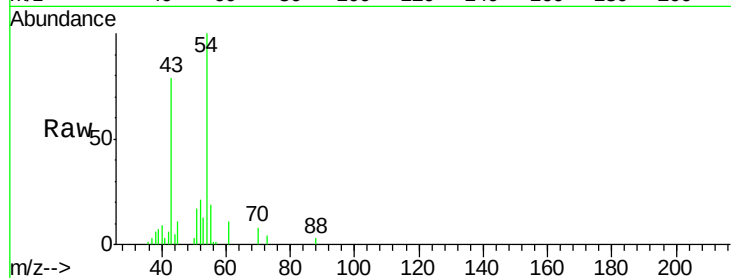
#43
Ethyl Acetate
Concen: 21.228 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	43	Ratio	Lower	Upper
36134	100			
45	14.8	9.7	14.5#	

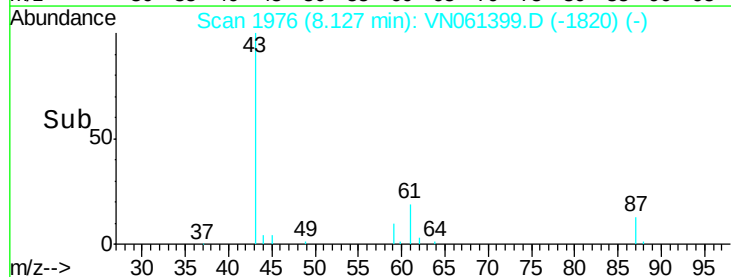
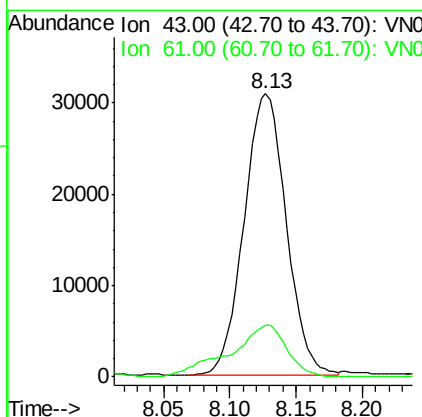
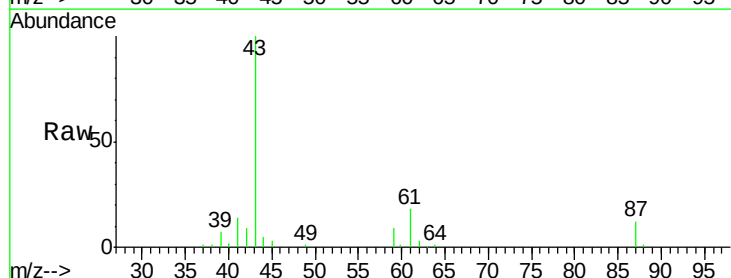
Manual Integrations
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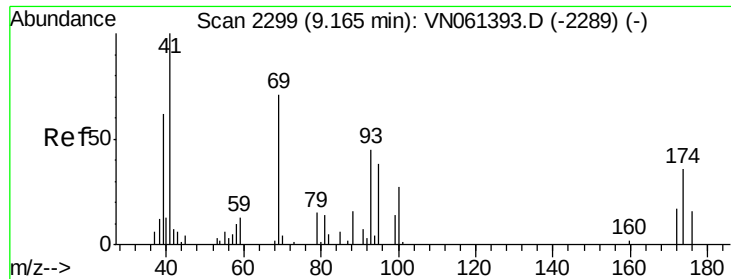
MMDadoda
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#44
Isopropyl Acetate
Concen: 20.616 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	43	Ratio	Lower	Upper
68134	100			
61	24.8	19.9	29.9	





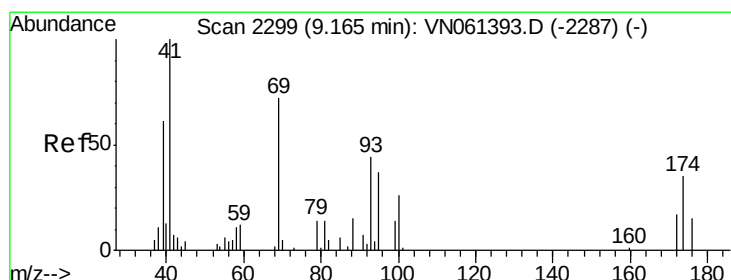
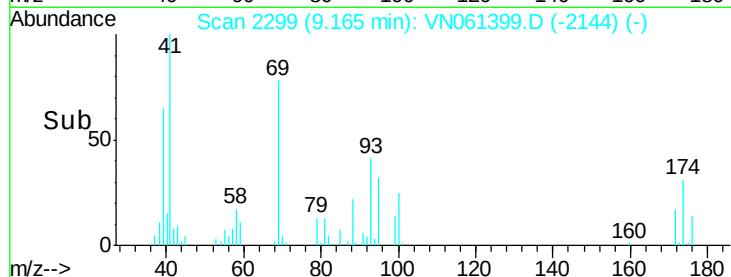
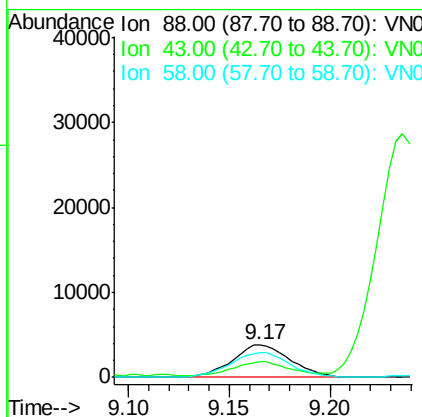
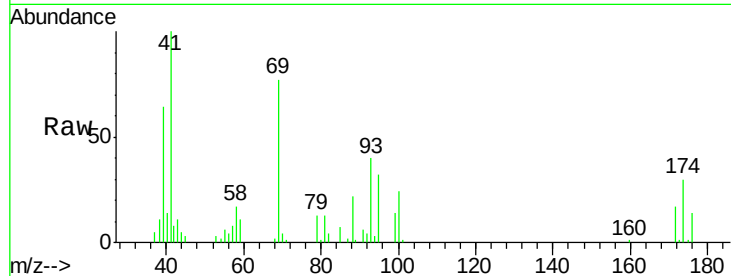
#45
 1,4-Dioxane
 Concen: 582.635 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	29.8	44.8
58	77.7	58.2	87.4

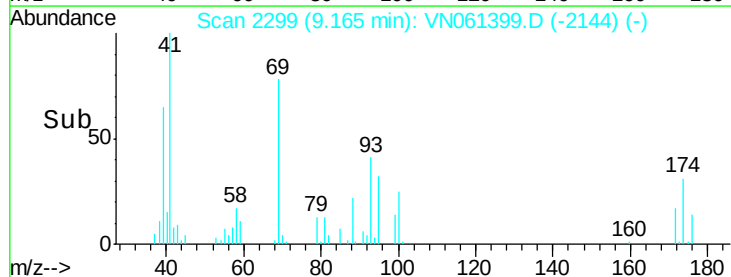
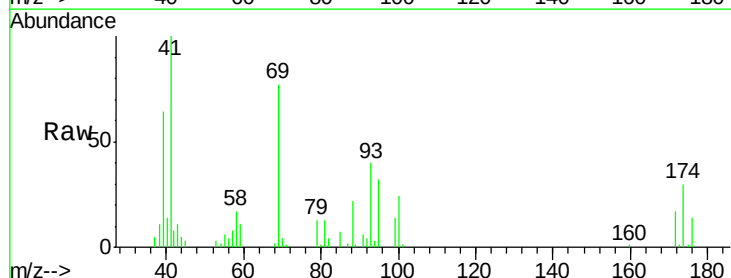
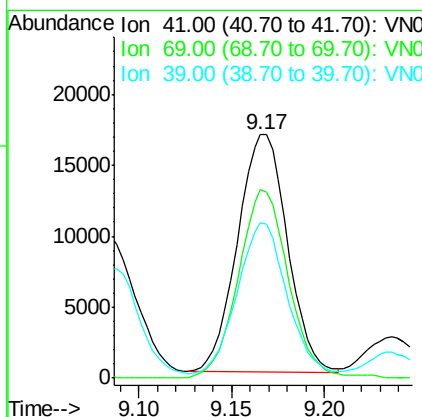
Manual Integrations
 APPROVED

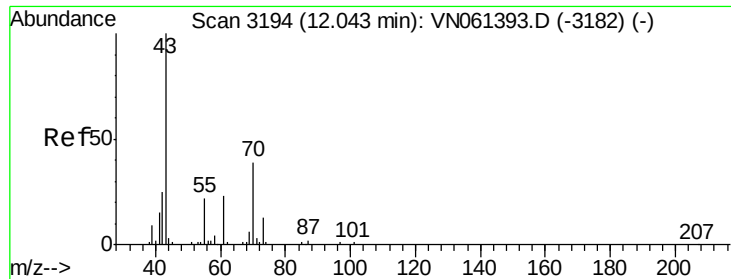
MMDadoda
 5/15/2020 2:10:51 PM



#46
 Methyl methacrylate
 Concen: 20.109 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.7	40.2	120.5
39	63.8	29.9	89.8





#47

n-amvl Acetate

Concen: 19.634 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion: 43 Resp: 57878

Ion Ratio Lower Upper

43 100

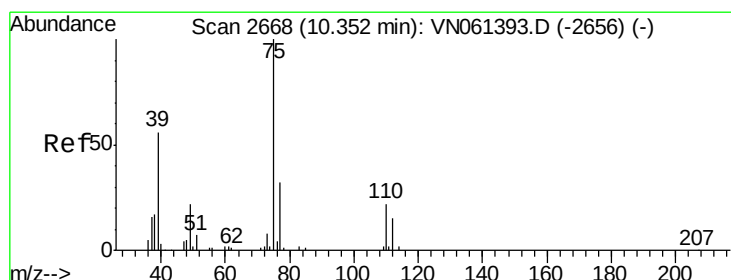
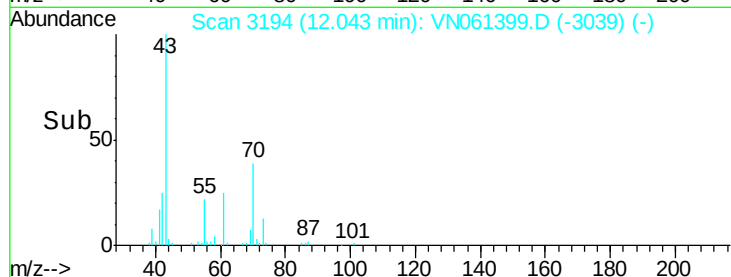
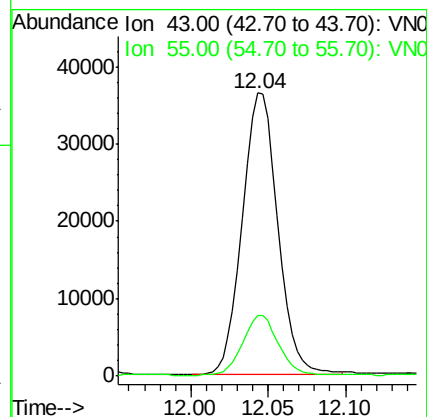
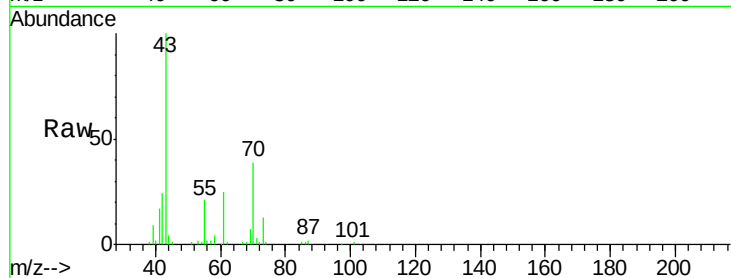
55 22.5 19.6 29.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 19.875 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061399.D

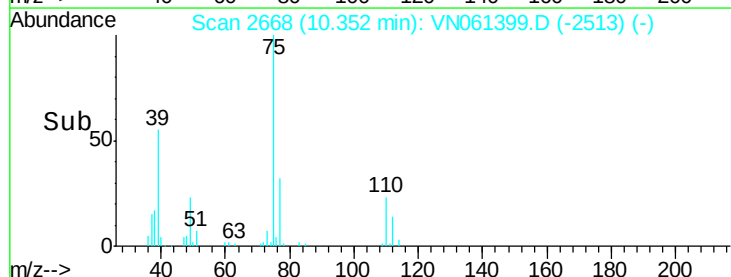
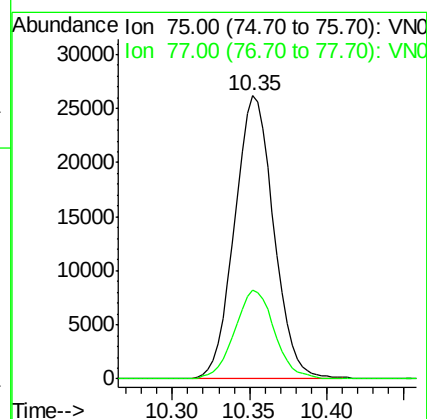
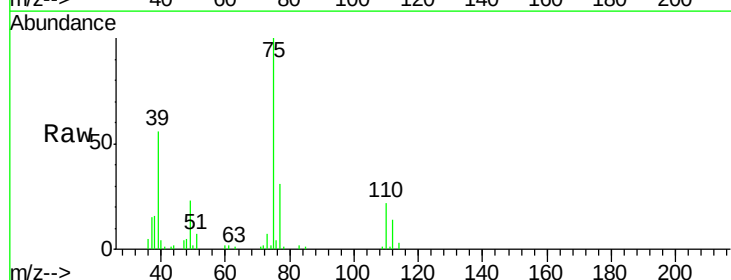
Acq: 14 May 2020 17:43

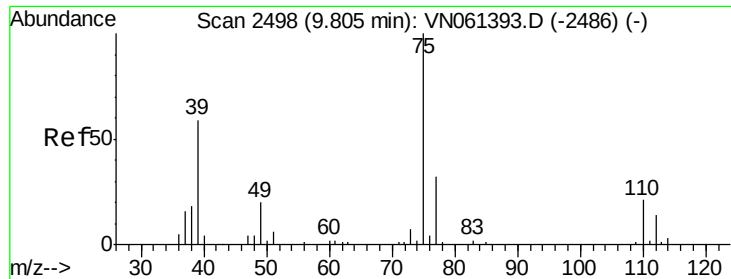
Tgt Ion: 75 Resp: 46048

Ion Ratio Lower Upper

75 100

77 31.2 27.0 40.4





#49

cis-1,3-Dichloropropene

Concen: 19.994 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

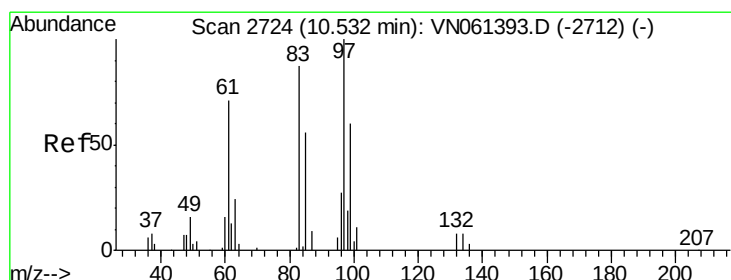
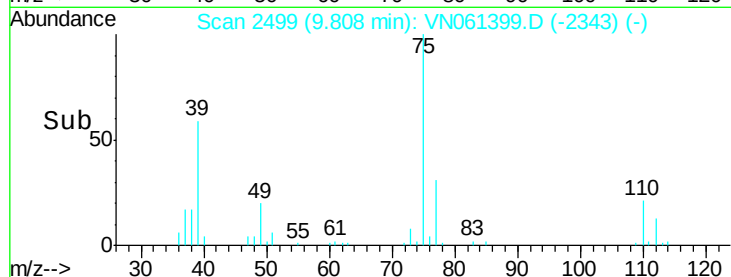
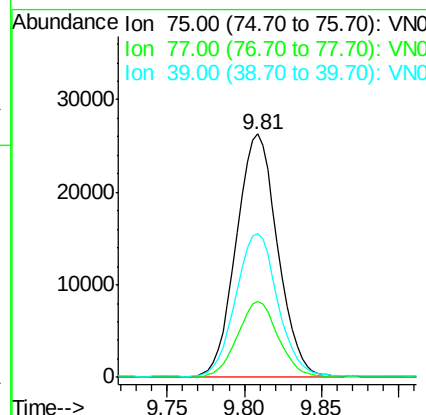
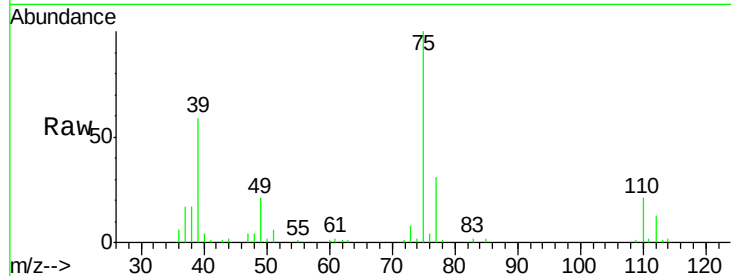
ClientSampleId :

VN0514WBS01

Tot Ion:	75	Resp:	48997
Ion Ratio	Lower	Upper	
75	100		
77	31.4	26.1	39.1
39	58.7	43.1	64.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 20.310 ug/l

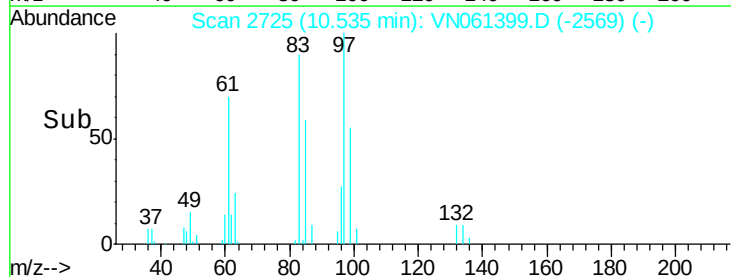
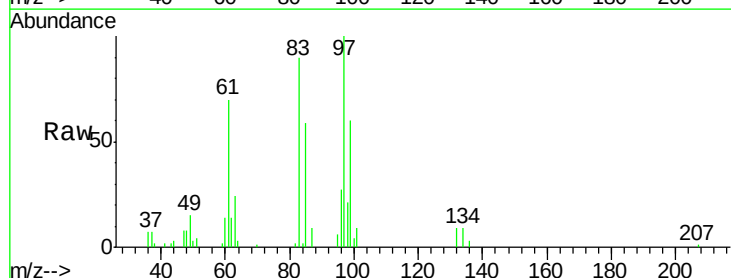
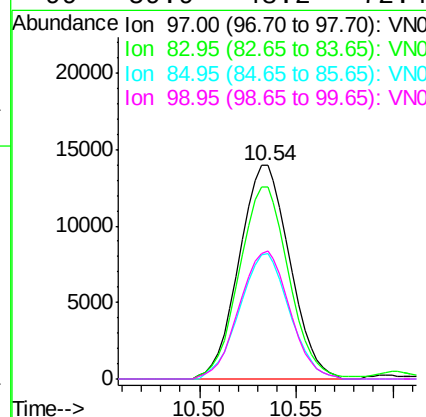
RT: 10.54 min Scan# 2725

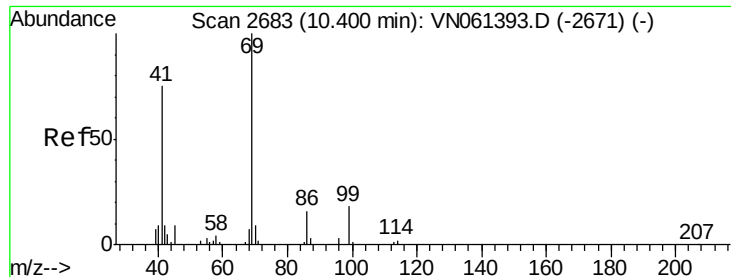
Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Tgt Ion:	97	Resp:	25415
Ion Ratio	Lower	Upper	
97	100		
83	90.0	70.7	106.1
85	58.5	45.1	67.7
99	59.9	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.893 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

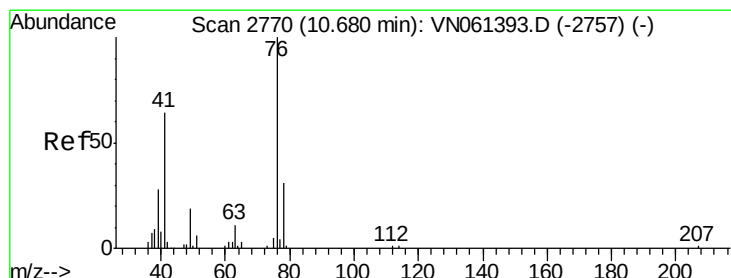
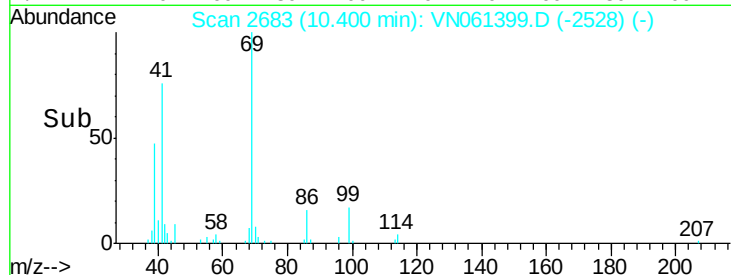
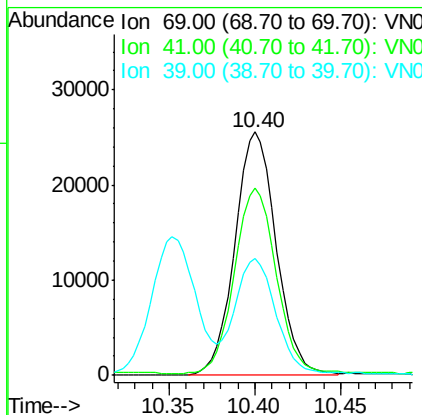
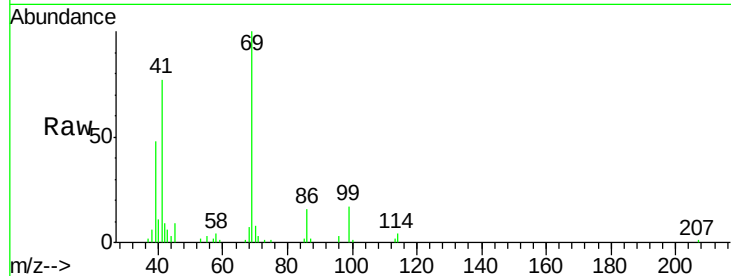
ClientSampleId :

VN0514WBS01

Tot Ion:	69	Resp:	42885
Ion	Ratio	Lower	Upper
69	100		
41	75.6	34.7	104.1
39	46.6	20.3	60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.489 ug/l

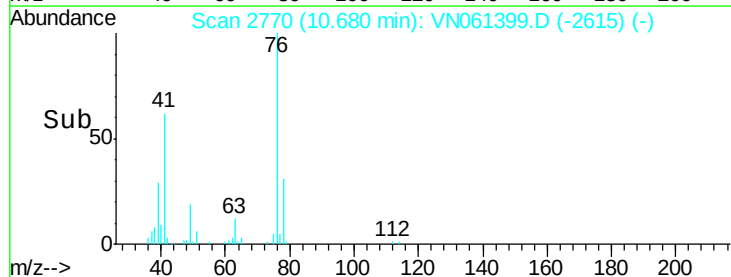
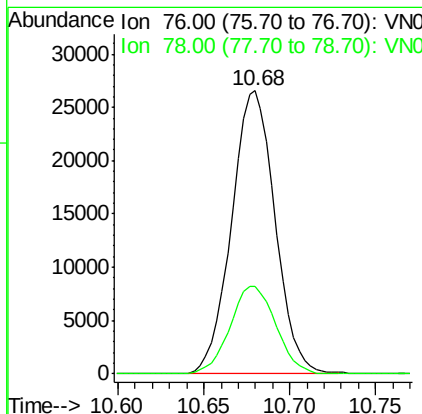
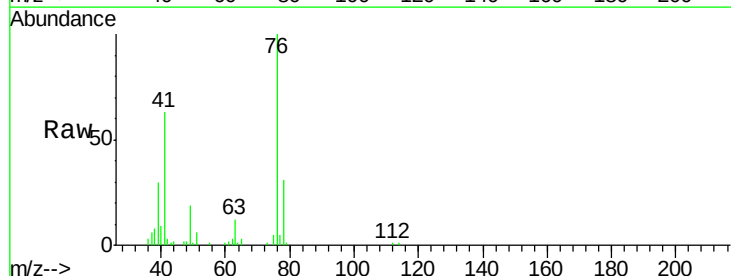
RT: 10.68 min Scan# 2770

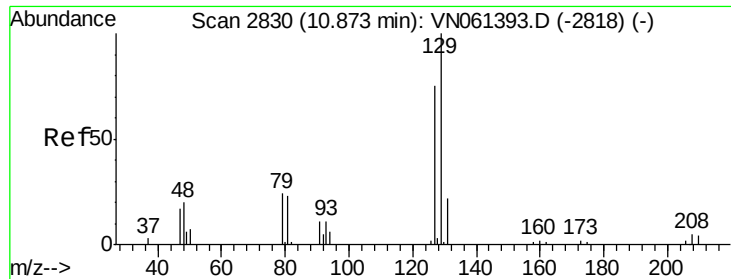
Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Tgt Ion:	76	Resp:	46814
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	63.2





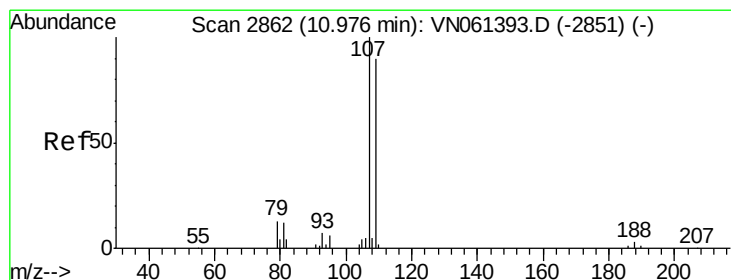
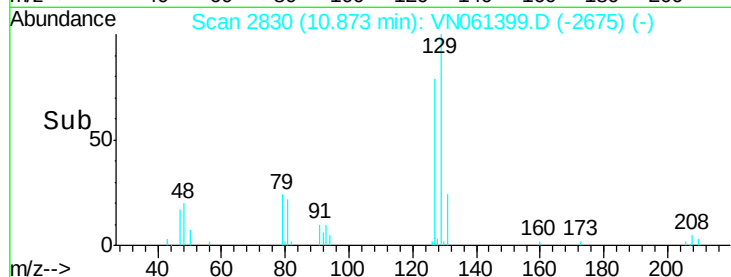
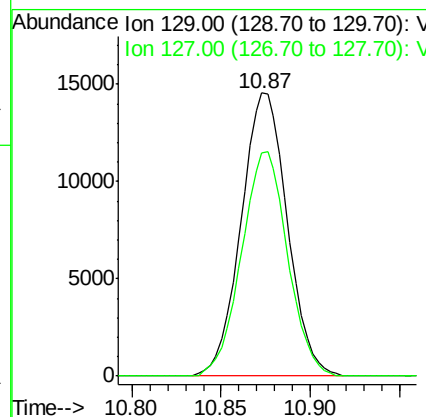
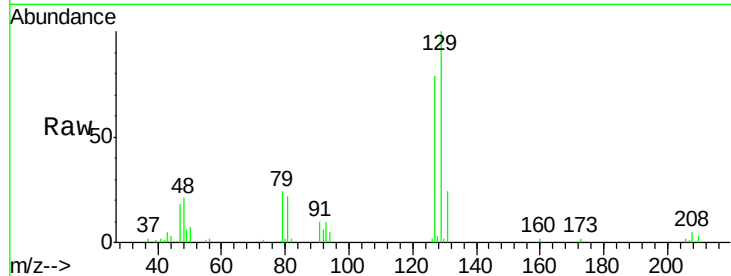
#53
Dibromochloromethane
Concen: 19.170 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.5

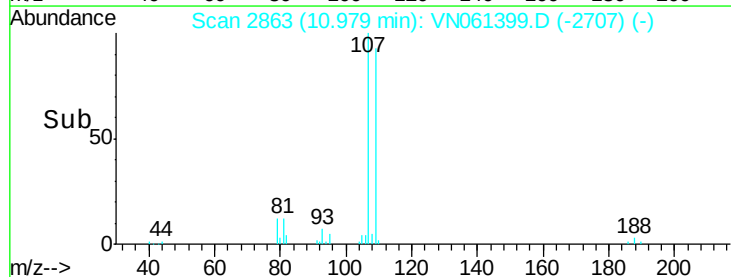
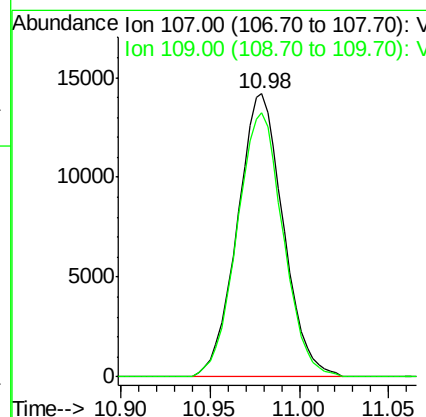
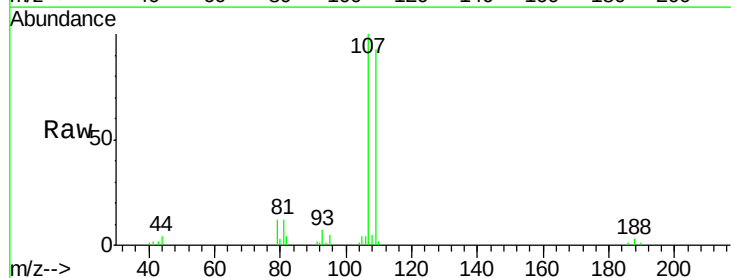
Manual Integrations
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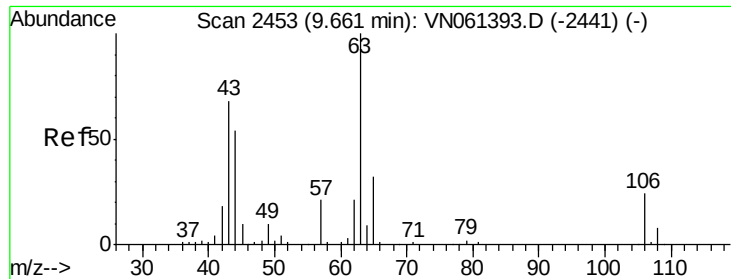
MMDadoda
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#54
1,2-Dibromoethane
Concen: 19.712 ug/l
RT: 10.98 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.2	114.4





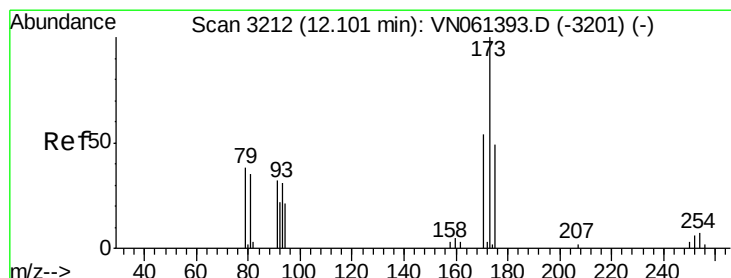
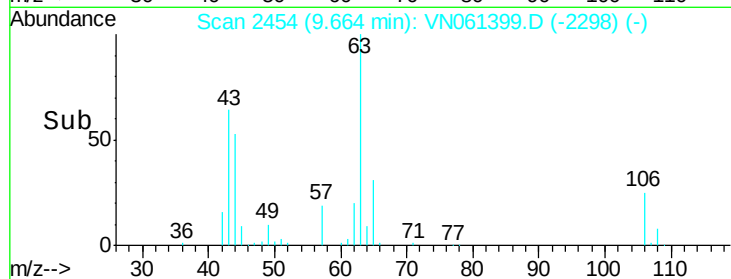
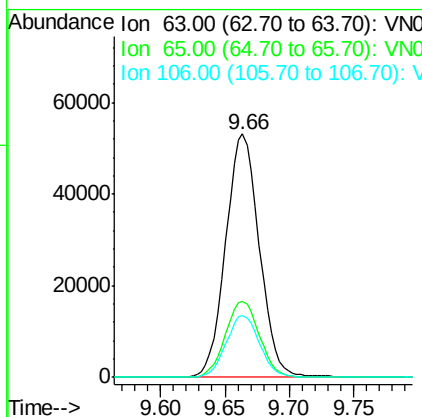
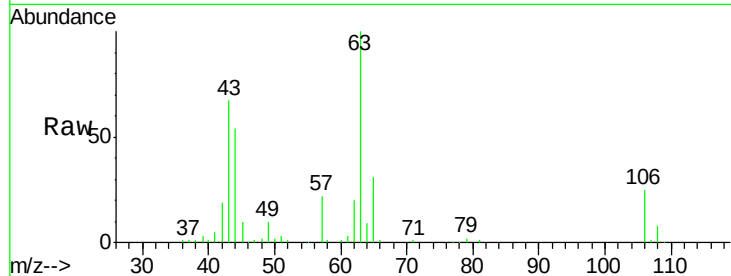
#55
2-Chloroethyl vinyl ether
Concen: 100.956 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.3	37.9
106	25.2	19.8	29.6

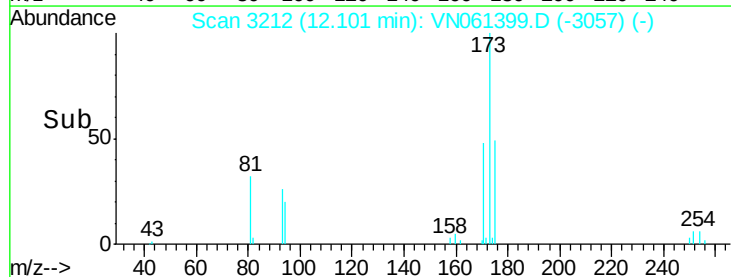
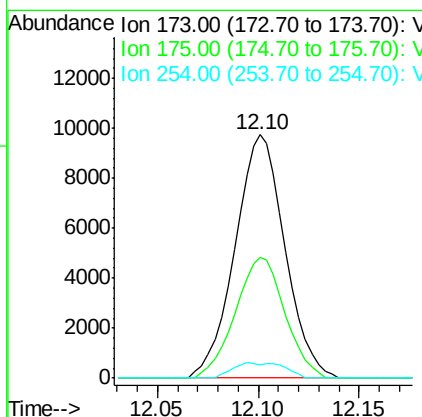
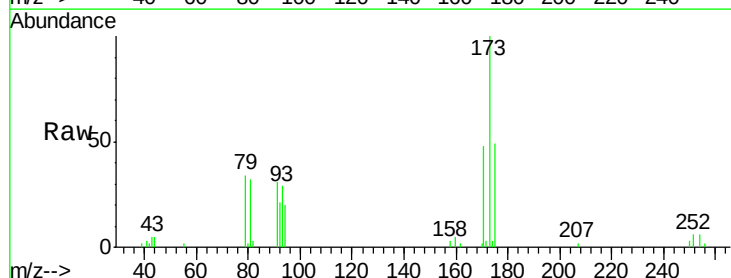
Manual Integrations
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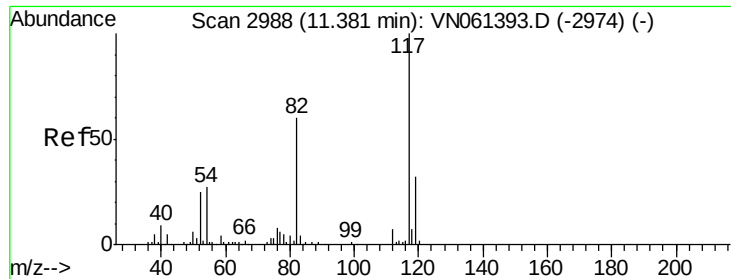
MMDadoda
5/15/2020 2:10:51 PM



#56
Bromoform
Concen: 19.501 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.7	58.1
254	3.6	7.4	11.2





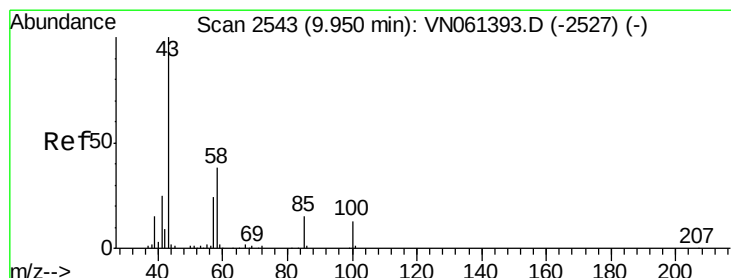
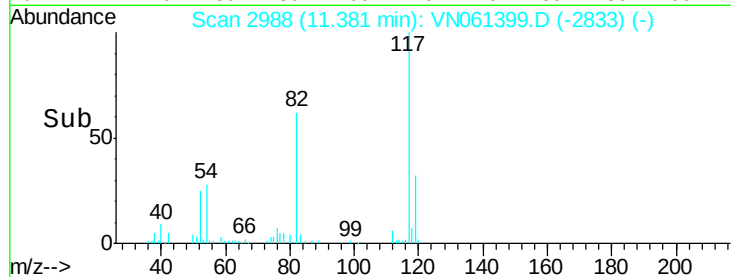
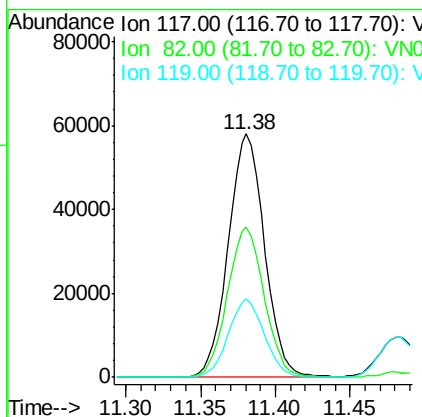
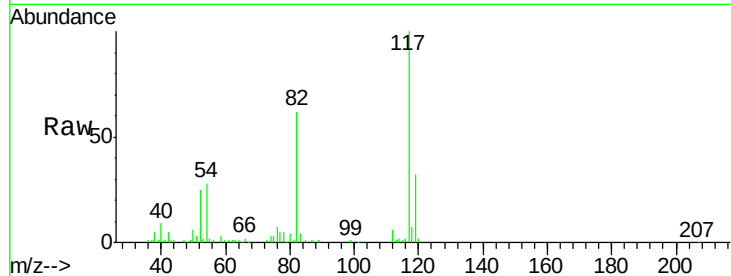
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.9	46.9	70.3
119	32.0	25.8	38.6

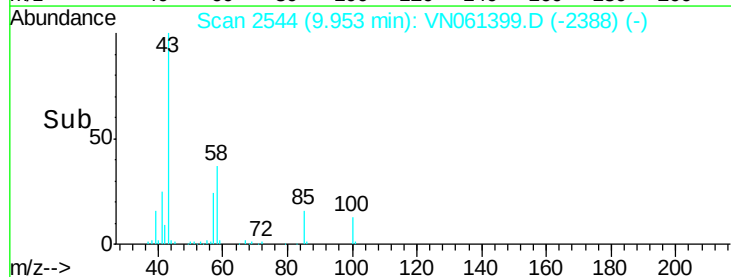
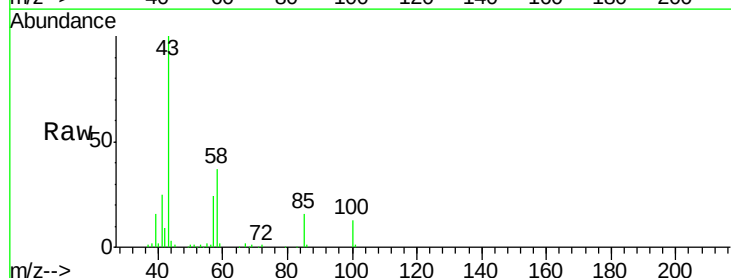
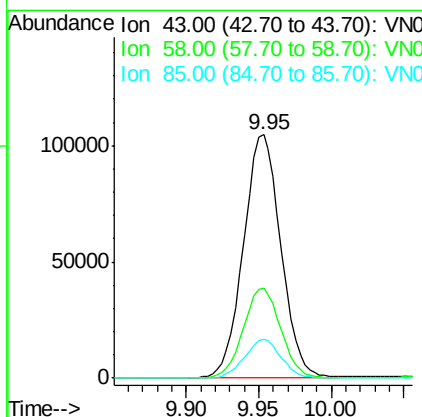
Manual Integrations
APPROVED

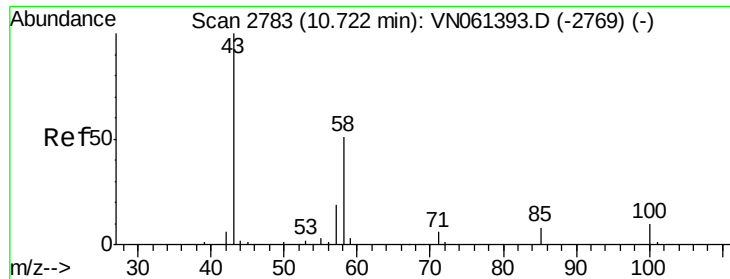
MMDadoda
5/15/2020 2:10:51 PM



#58
4-Methyl-2-Pentanone
Concen: 105.075 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.1	45.1
85	15.6	13.2	19.8





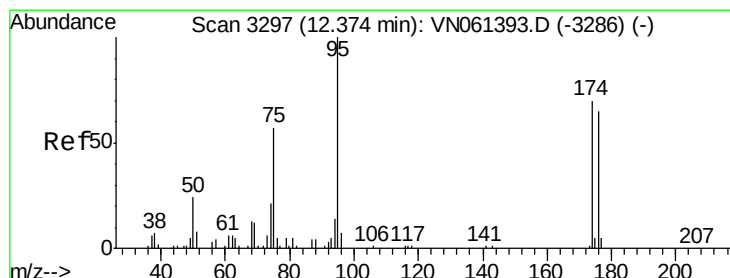
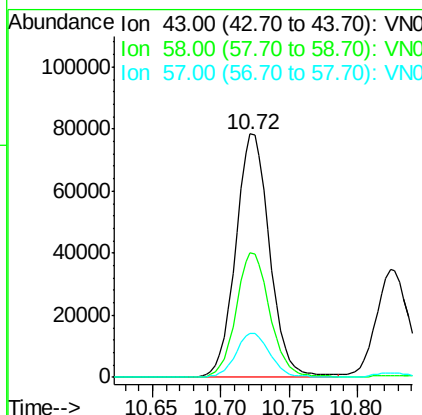
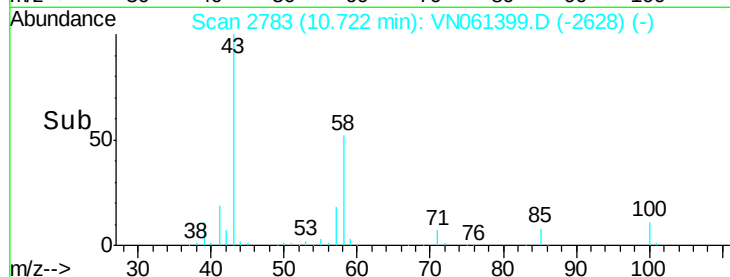
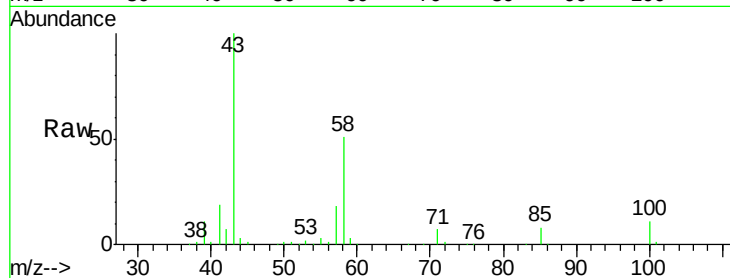
#59
2-Hexanone
Concen: 106.271 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampled :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.7	41.4	62.0
57	18.6	14.7	22.1

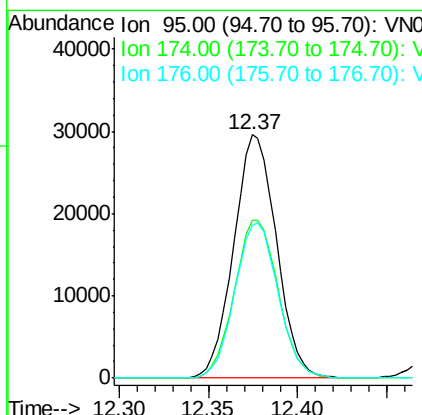
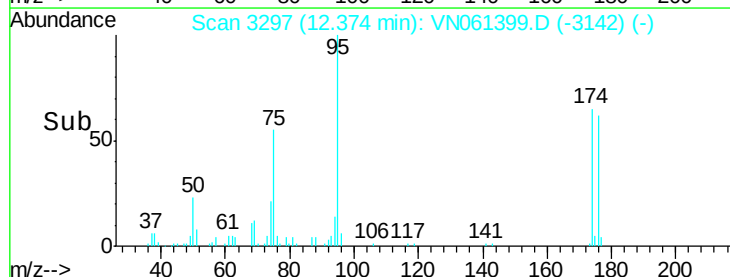
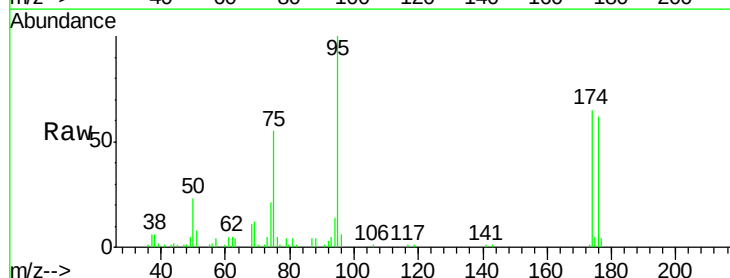
Manual Integrations
APPROVED

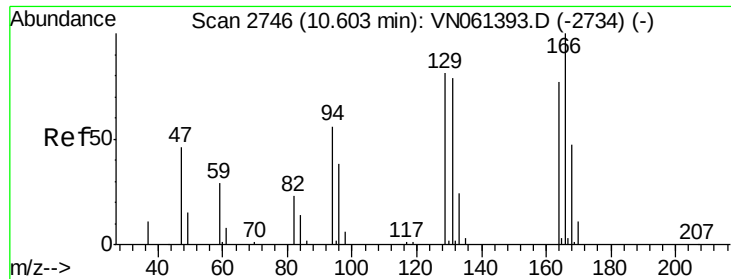
MMDadoda
5/15/2020 2:10:51 PM



#60
4-Bromofluorobenzene
Concen: 29.616 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.2	59.9	89.9
176	64.3	58.3	87.5





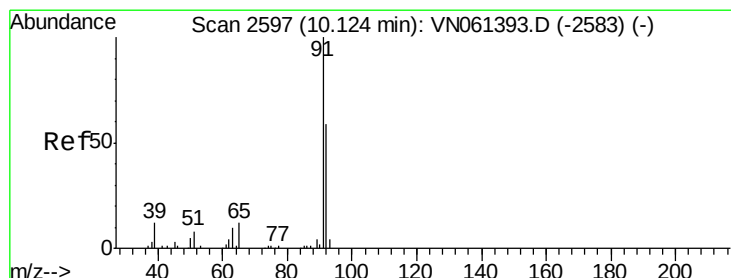
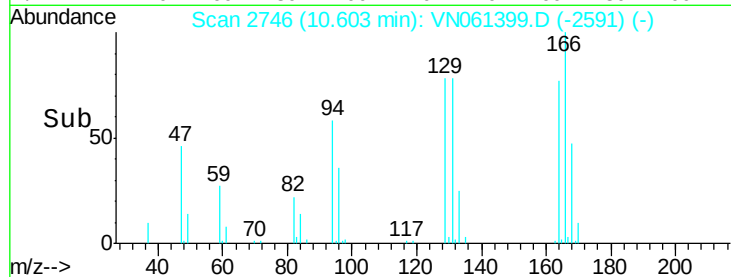
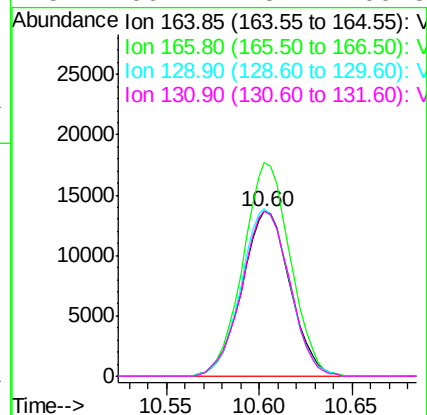
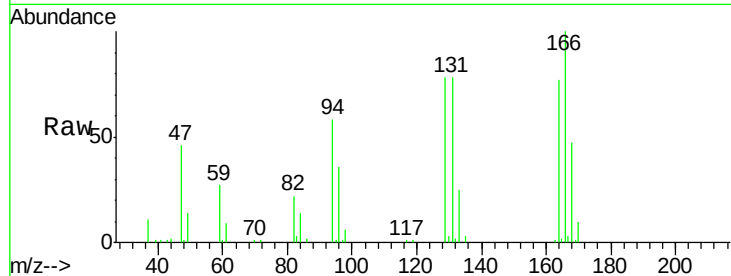
#61
Tetrachloroethene
Concen: 20.038 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.4	152.2
129	101.2	78.1	117.1
131	100.4	73.2	109.8

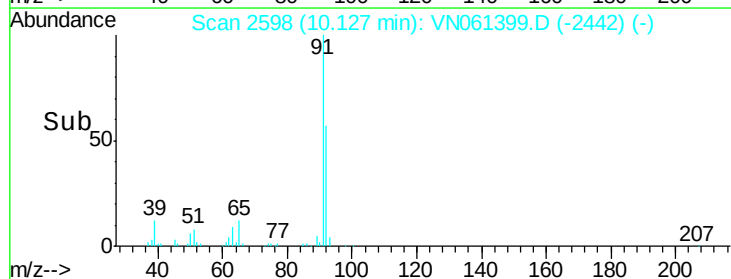
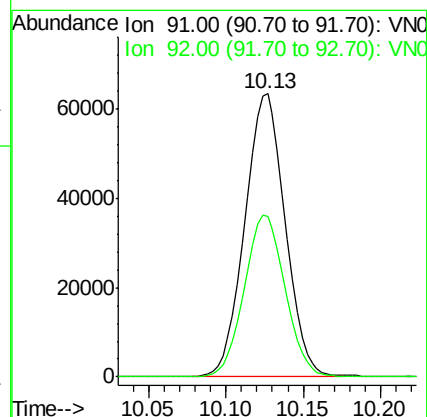
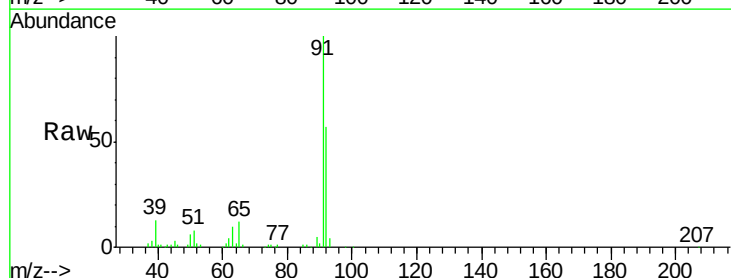
Manual Integrations
APPROVED

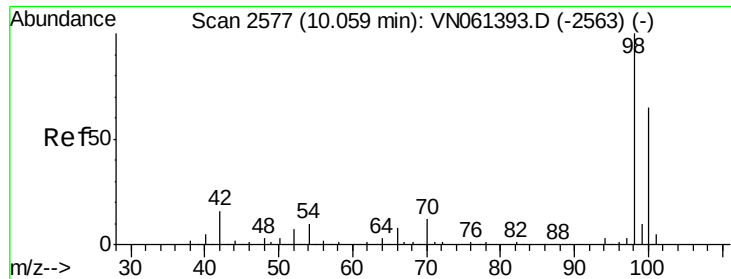
MMDadoda
5/15/2020 2:10:51 PM



#62
Toluene
Concen: 20.311 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	45.4	68.2





#63

Toluene-d8

Concen: 30.205 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion: 98 Resp: 136805

Ion Ratio Lower Upper

98 100

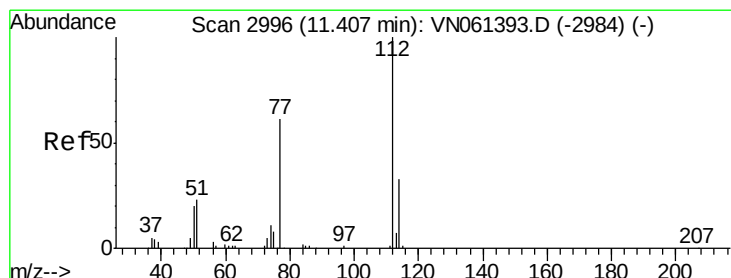
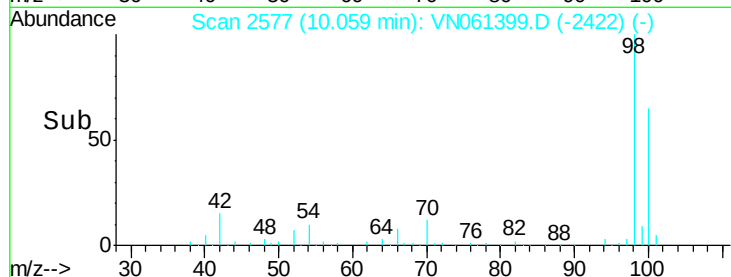
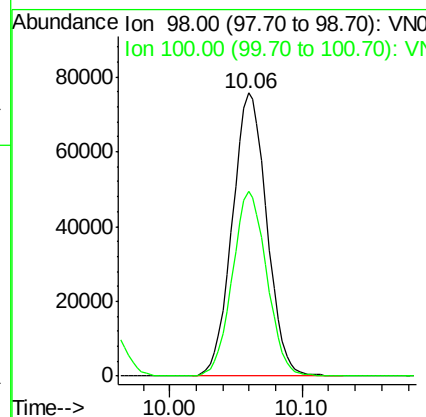
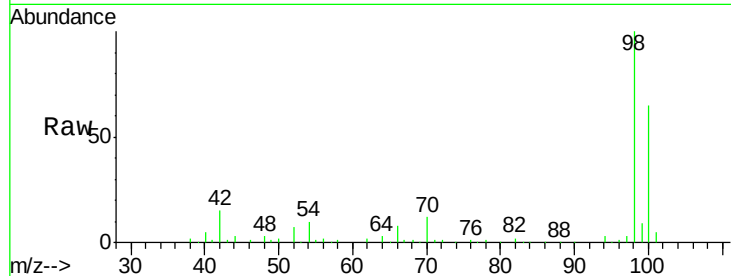
100 65.2 50.6 75.8

Manual Integrations

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#64

Chlorobenzene

Concen: 20.162 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061399.D

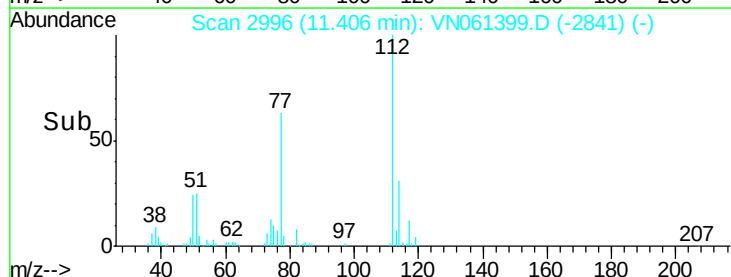
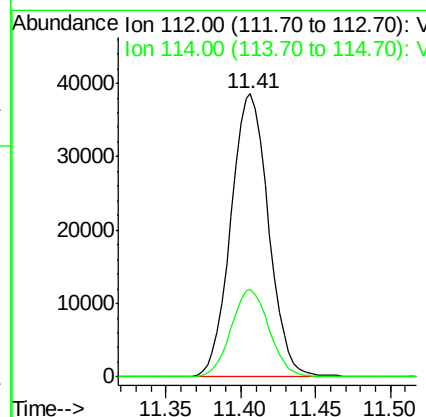
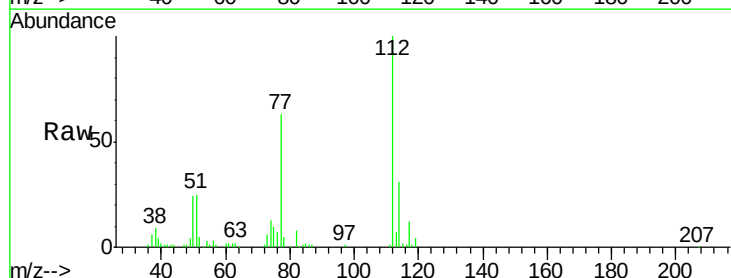
Acq: 14 May 2020 17:43

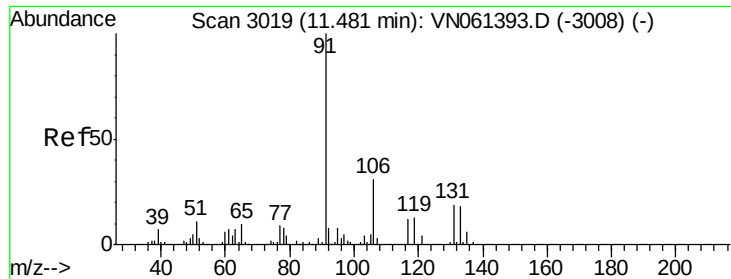
Tgt Ion: 112 Resp: 67685

Ion Ratio Lower Upper

112 100

114 30.8 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 19.891 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

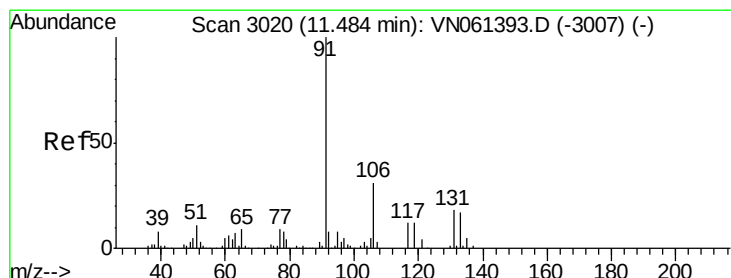
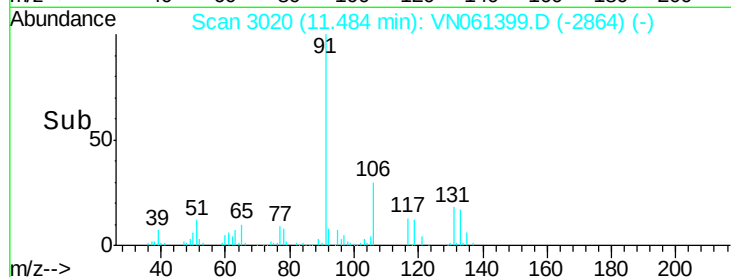
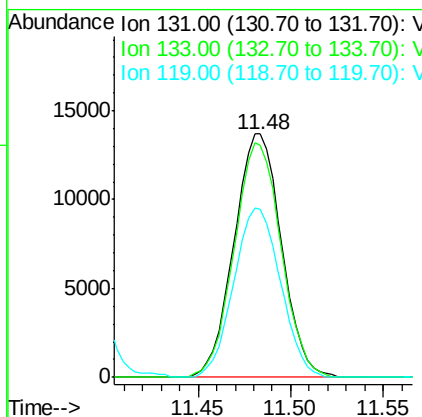
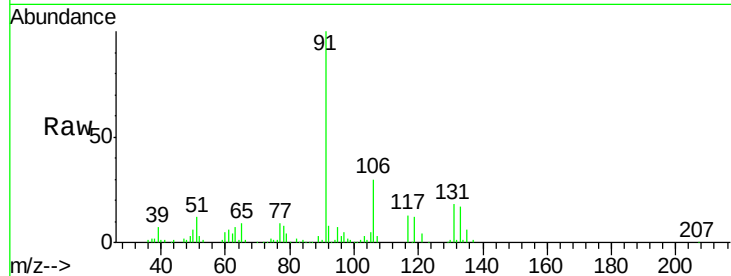
ClientSampleId :

VN0514WBS01

Tot Ion:	131	Resp:	24399
Ion	Ratio	Lower	Upper
131	100		
133	95.2	0.0	194.0
119	68.4	0.0	136.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.150 ug/l

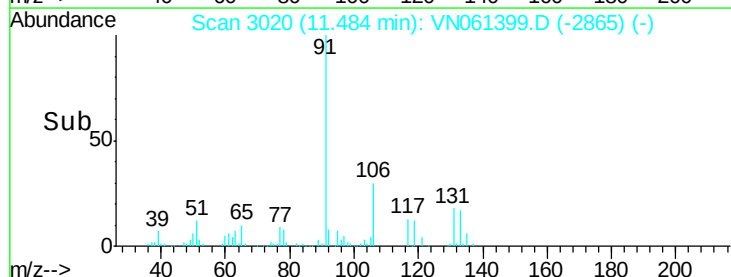
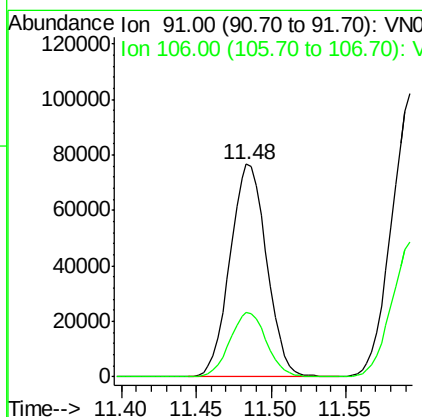
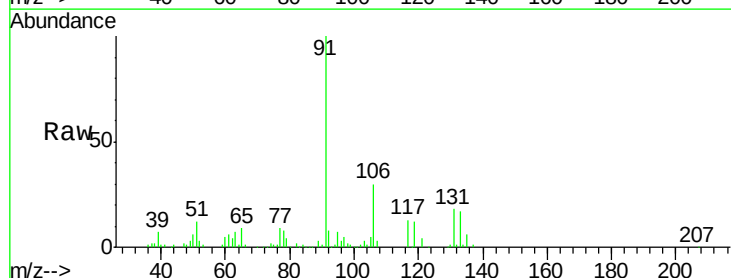
RT: 11.48 min Scan# 3020

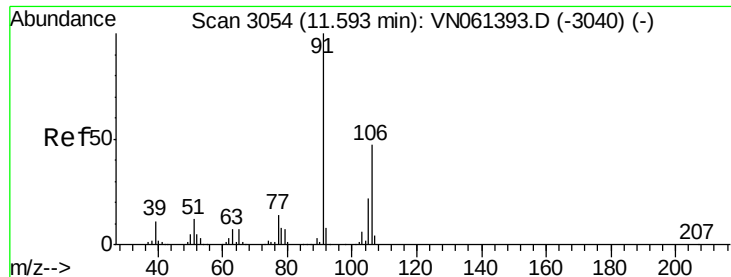
Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Tgt Ion:	91	Resp:	131160
Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.2	36.4





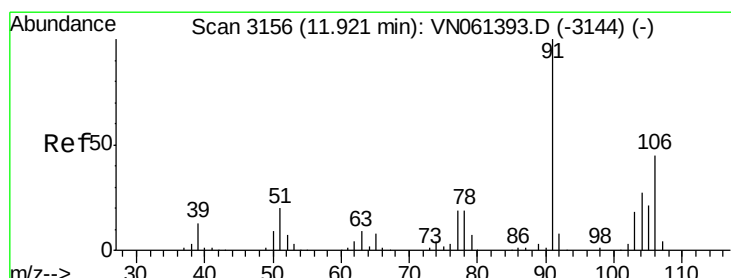
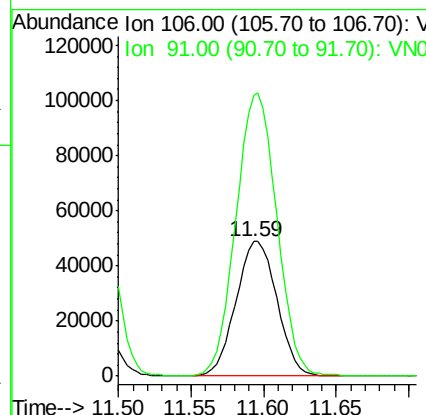
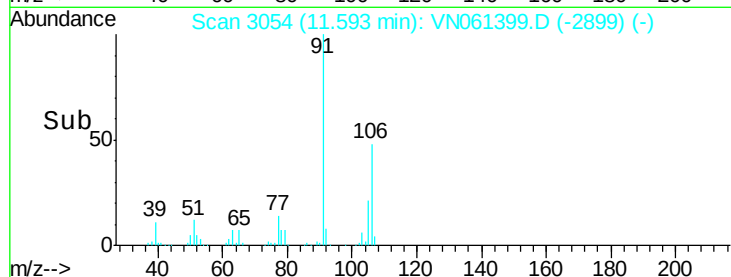
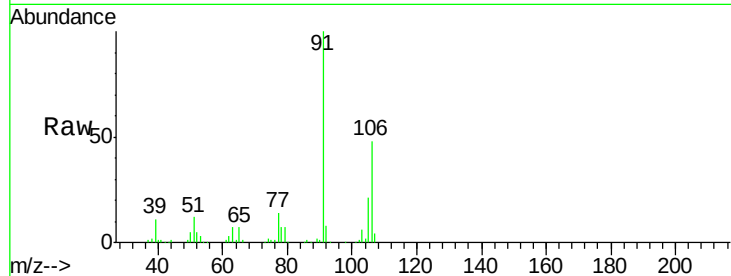
#67
m/p-Xylenes
Concen: 40.033 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampled :
VN0514WBS01

Tot Ion:106 Resp: 96226
Ion Ratio Lower Upper
106 100
91 209.4 165.6 248.4

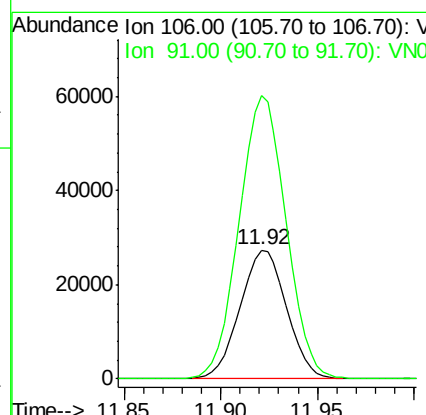
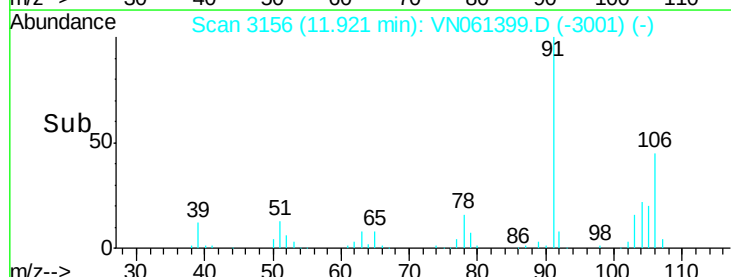
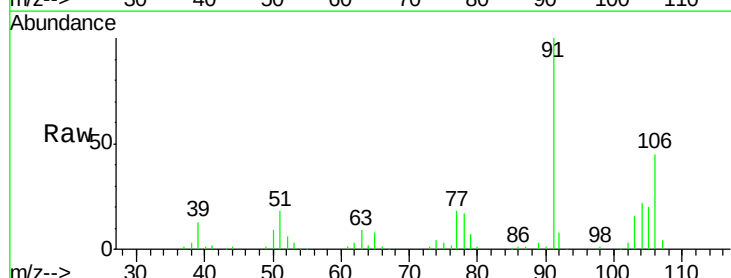
Manual Integrations
APPROVED

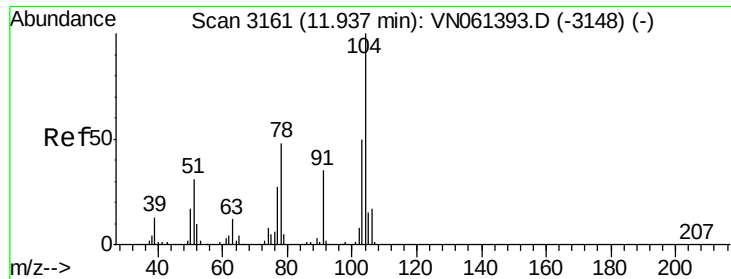
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#68
o-Xylene
Concen: 19.981 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion:106 Resp: 45838
Ion Ratio Lower Upper
106 100
91 222.0 109.8 329.4





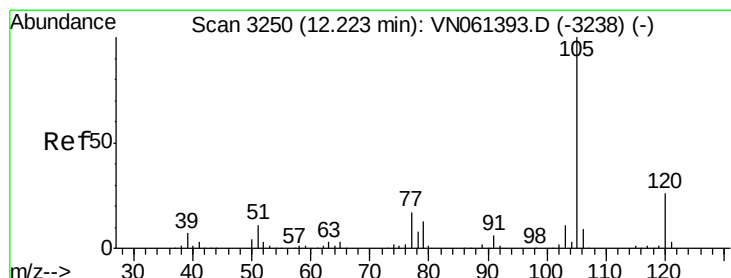
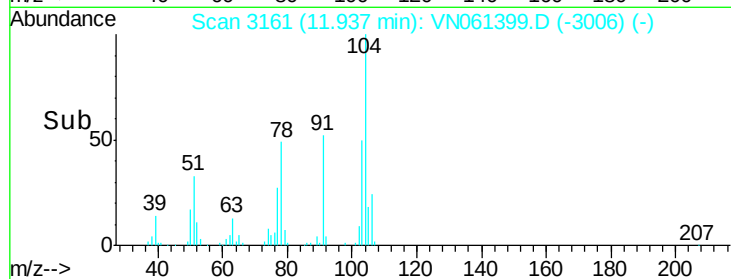
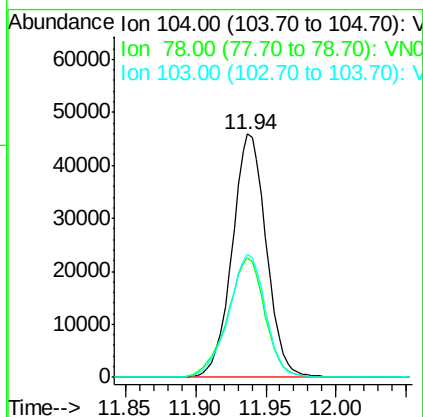
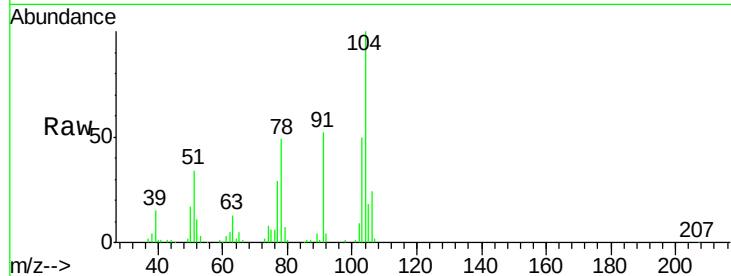
#69
Stvrene
Concen: 19.698 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.4	63.6
103	54.5	44.6	66.8

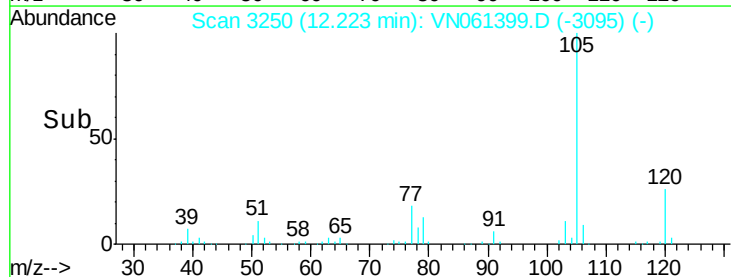
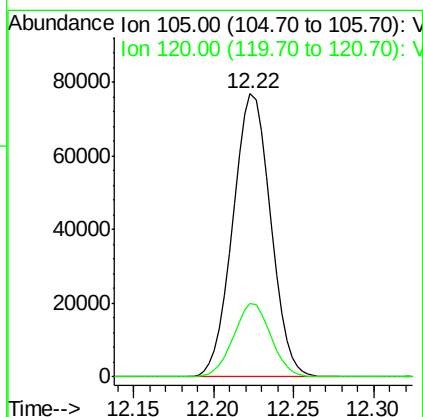
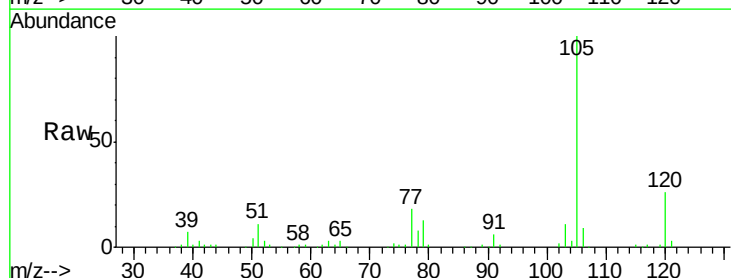
Manual Integrations
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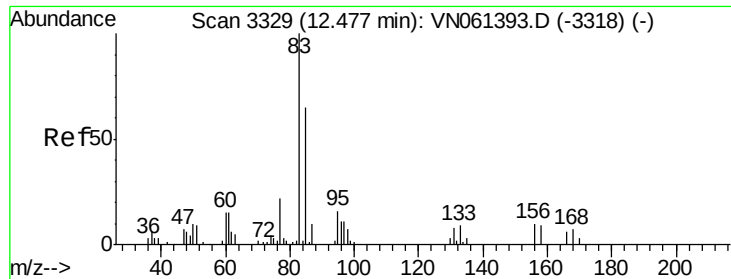
MMDadoda
5/15/2020 2:10:51 PM



#70
Isopropylbenzene
Concen: 19.924 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	18.4	34.2





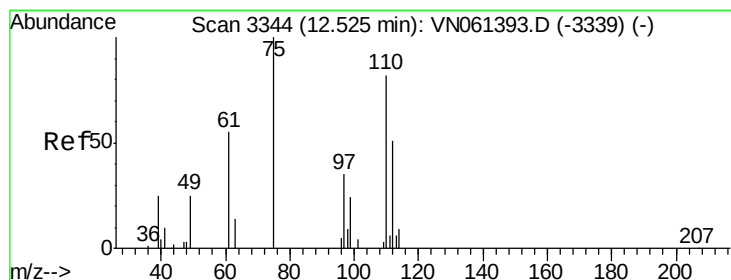
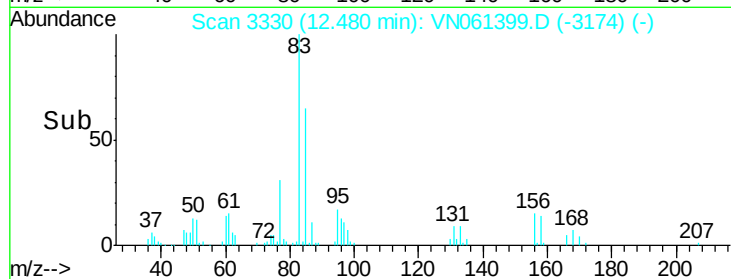
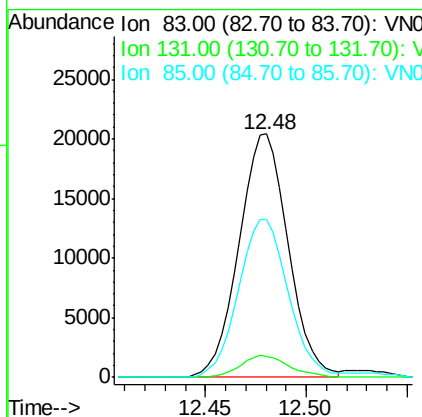
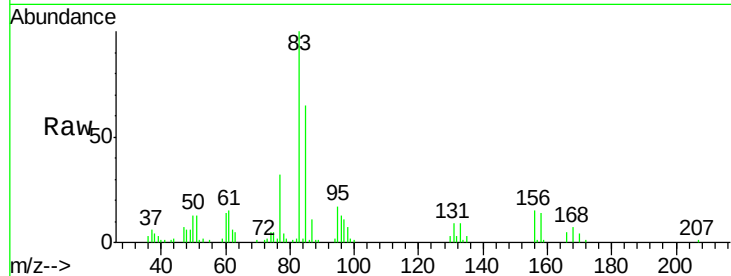
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.278 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	83	Resp	34820
Ion Ratio	100	Lower	Upper
83	100		
131	8.9	4.9	14.7
85	65.7	31.6	94.7

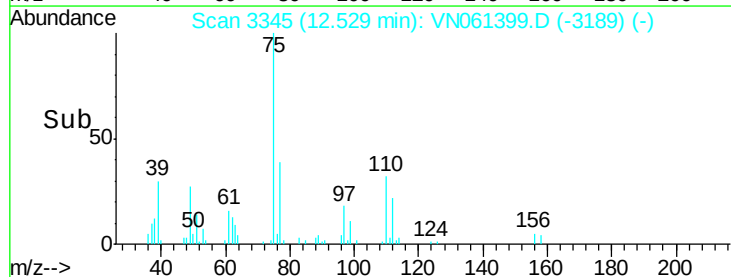
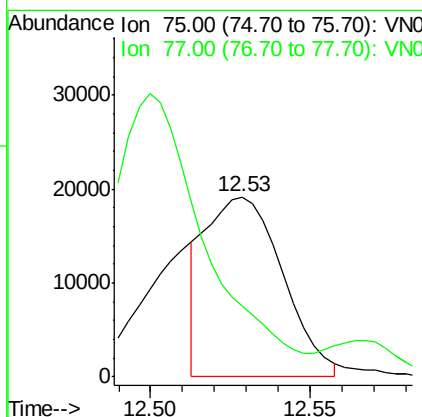
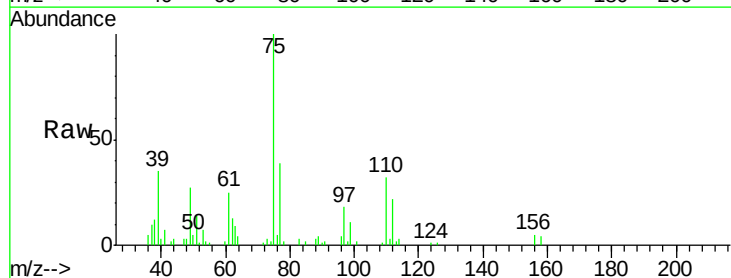
Manual Integrations
 APPROVED

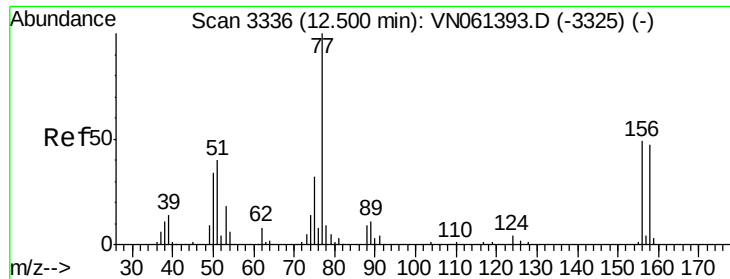
MMDadoda
 5/15/2020 2:10:51 PM



#72
 1,2,3-Trichloropropane
 Concen: 19.704 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	75	Resp	32271
Ion Ratio	100	Lower	Upper
75	100		
77	191.8	0.0	359.4





#73

Bromobenzene

Concen: 19.637 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

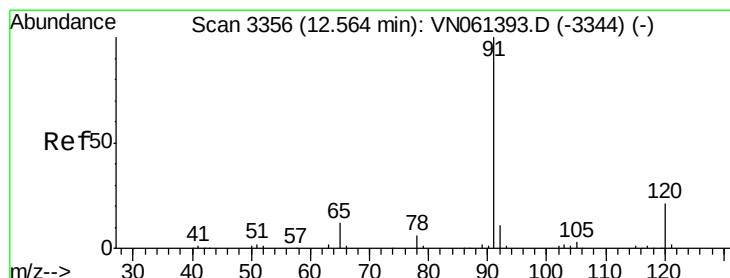
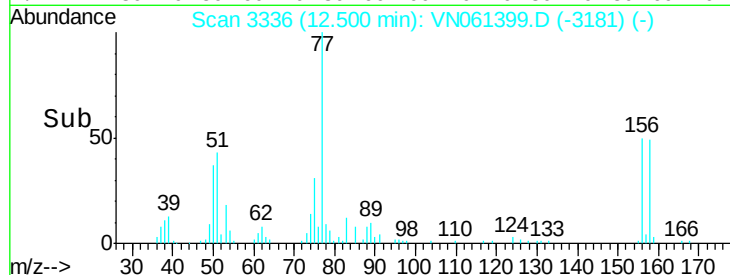
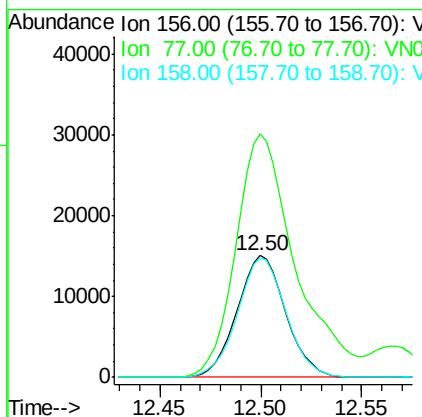
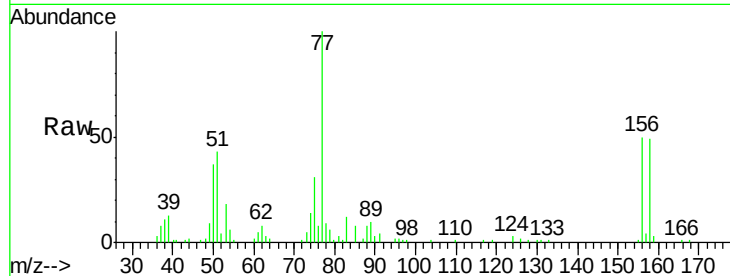
ClientSampleId :

VN0514WBS01

Tot Ion:	156	Resp:	25352
Ion	Ratio	Lower	Upper
156	100		
77	244.1	0.0	456.0
158	98.0	0.0	195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 19.742 ug/l

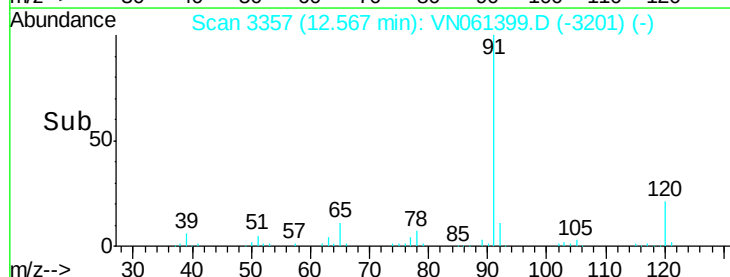
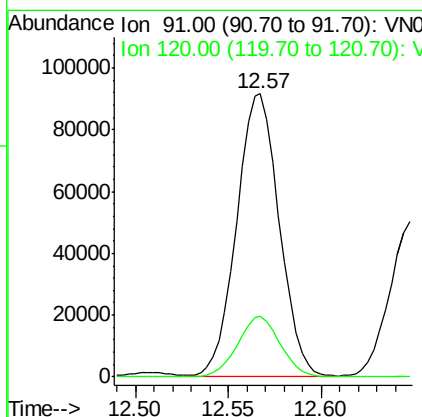
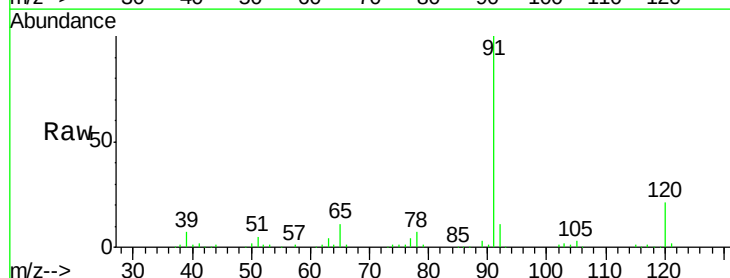
RT: 12.57 min Scan# 3357

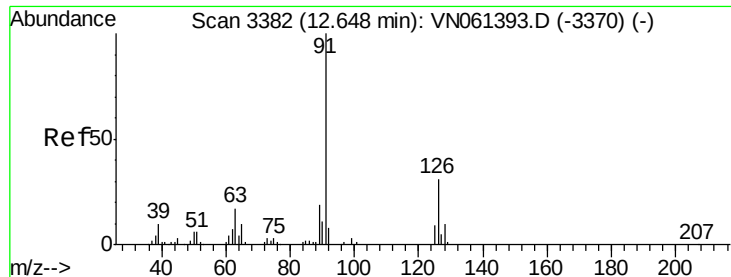
Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Tgt Ion:	91	Resp:	145901
Ion	Ratio	Lower	Upper
91	100		
120	21.2	0.0	43.6





#75

2-Chlorotoluene

Concen: 19.911 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion: 91 Resp: 84385

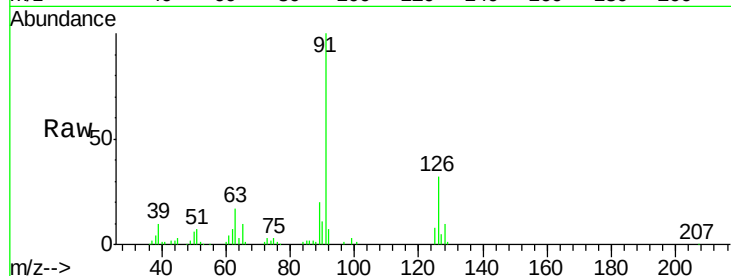
Ion Ratio Lower Upper

91 100

126 31.9 0.0 65.4

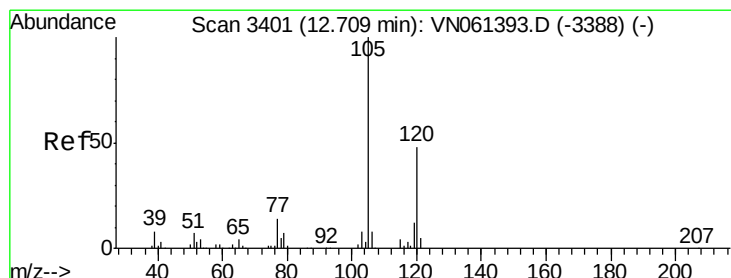
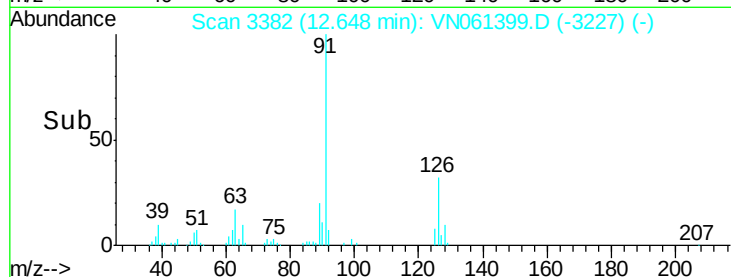
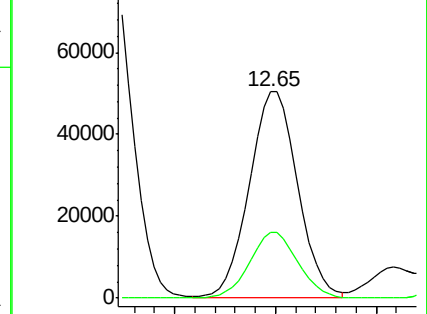
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN061399.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN061399.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.936 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061399.D

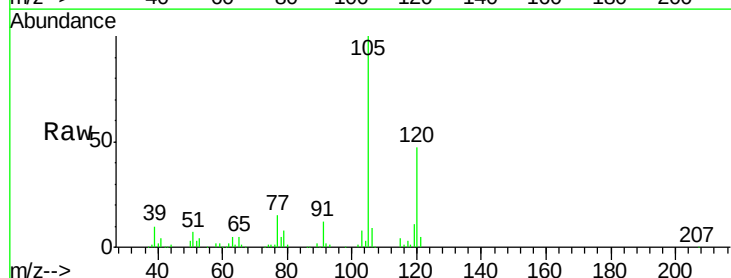
Acq: 14 May 2020 17:43

Tgt Ion: 105 Resp: 103987

Ion Ratio Lower Upper

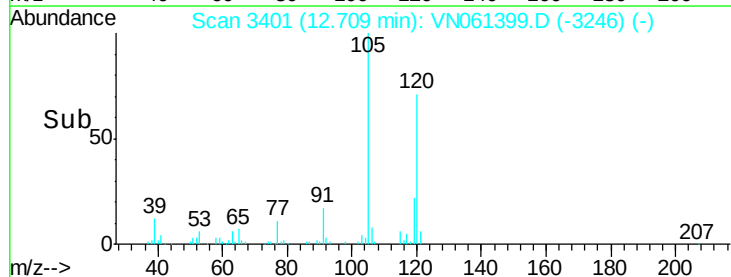
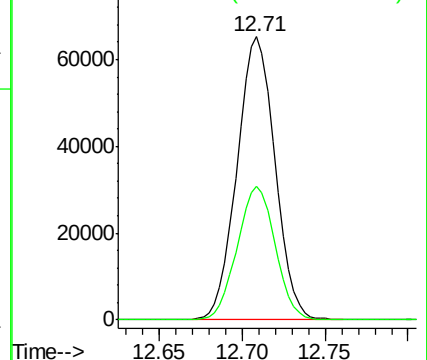
105 100

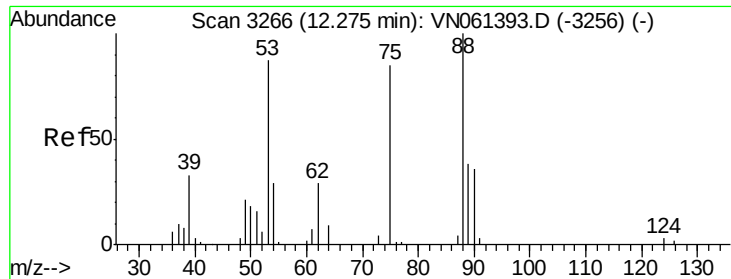
120 47.1 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN061399.D (-3388) (-)

Ion 120.00 (119.70 to 120.70): VN061399.D (-3388) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 19.870 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

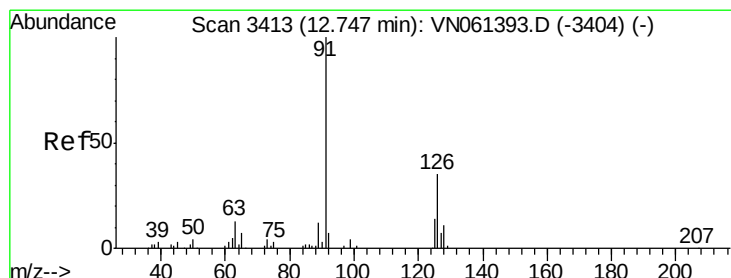
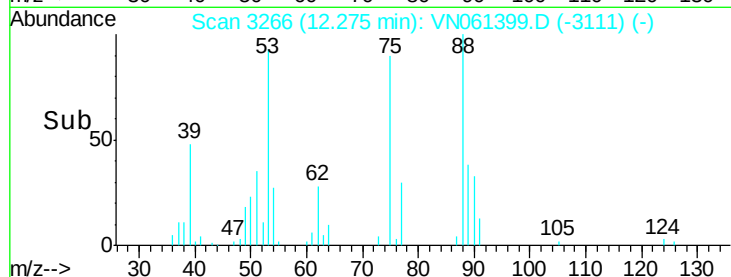
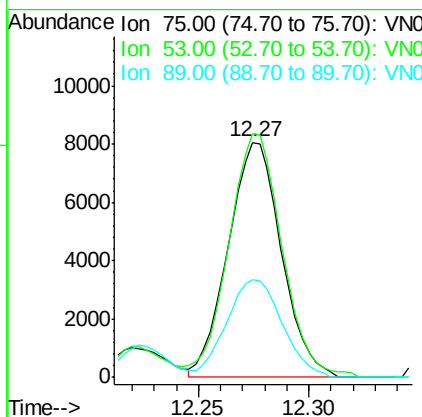
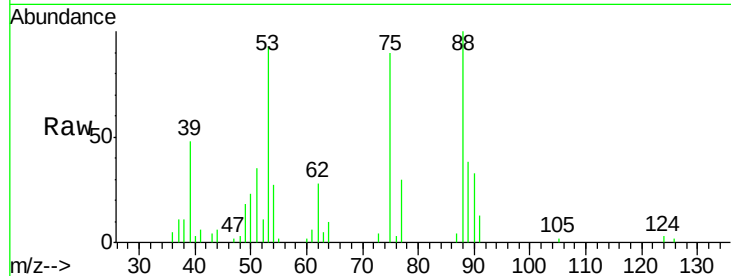
ClientSampleId :

VN0514WBS01

Tot Ion:	75	Resp:	13544
Ion	Ratio	Lower	Upper
75	100		
53	101.0	50.0	150.0
89	41.7	20.7	62.1

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#78

4-Chlorotoluene

Concen: 19.467 ug/l

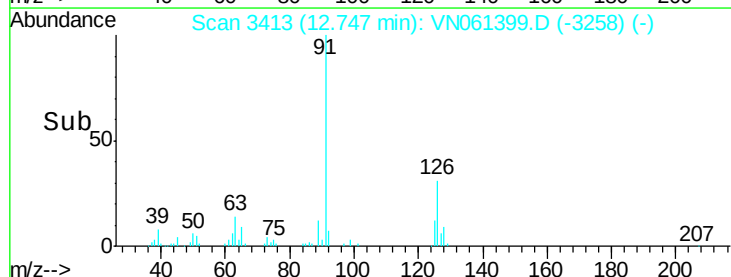
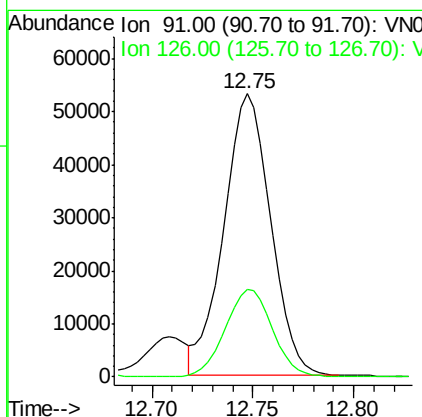
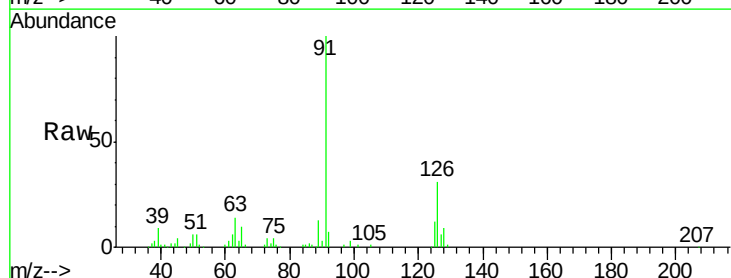
RT: 12.75 min Scan# 3413

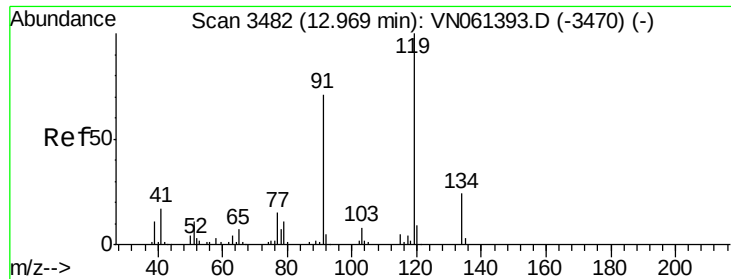
Delta R.T. -0.00 min

Lab File: VN061399.D

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Tgt Ion:	91	Resp:	86394
Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	63.4





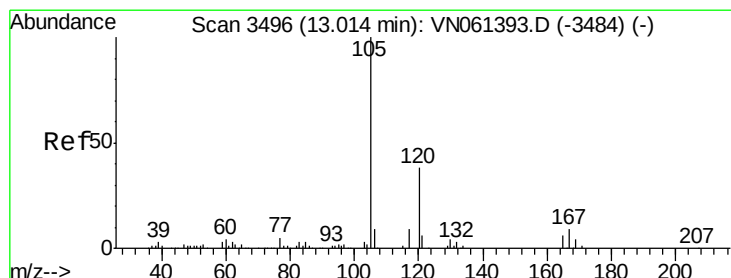
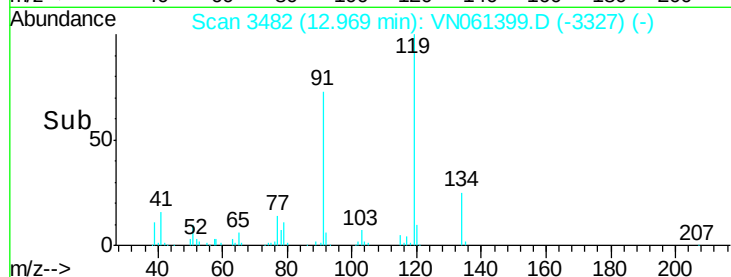
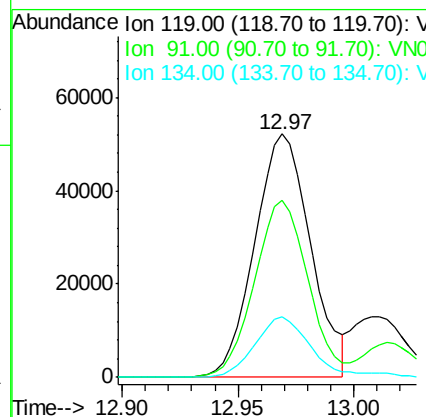
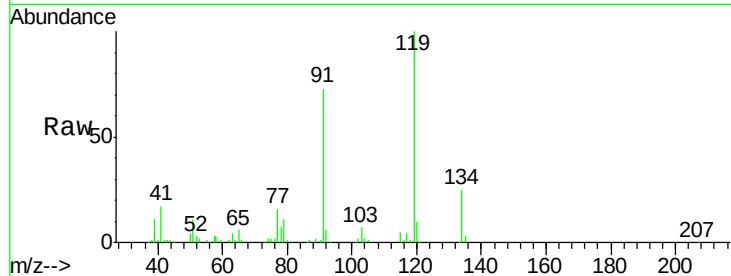
#79
tert-butylbenzene
Concen: 20.156 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.0	0.0	136.4
134	25.4	0.0	47.2

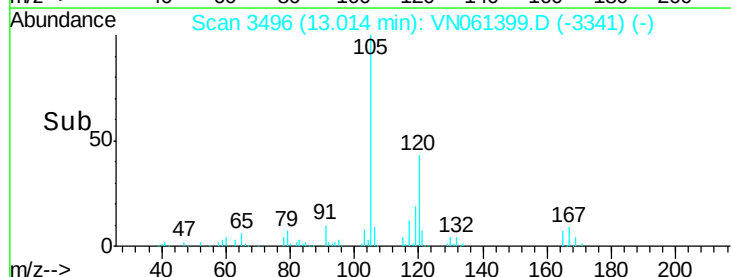
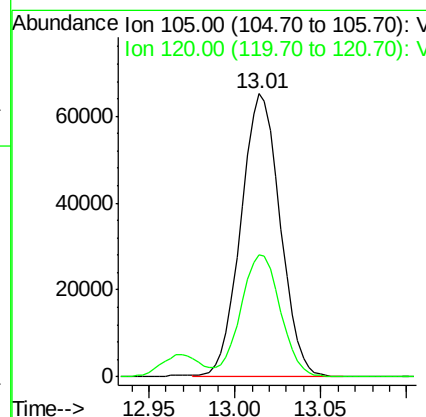
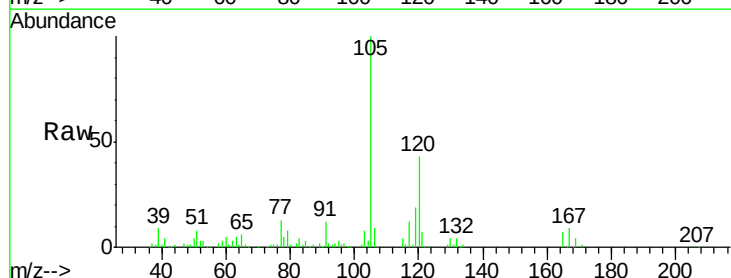
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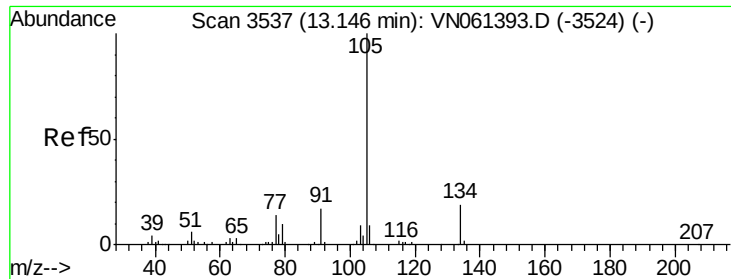
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#80
1,2,4-Trimethylbenzene
Concen: 19.771 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	0.0	89.2





#81

sec-Butylbenzene

Concen: 19.866 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

Tot Ion:105 Resp: 118582

Ion Ratio Lower Upper

105 100

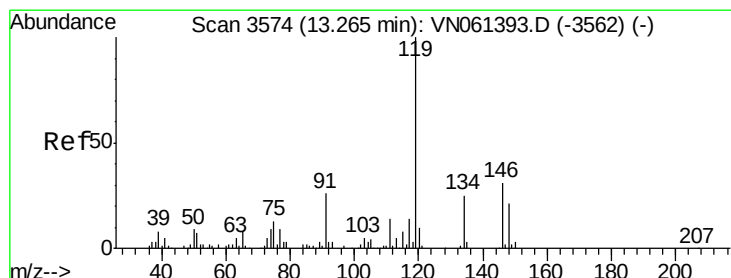
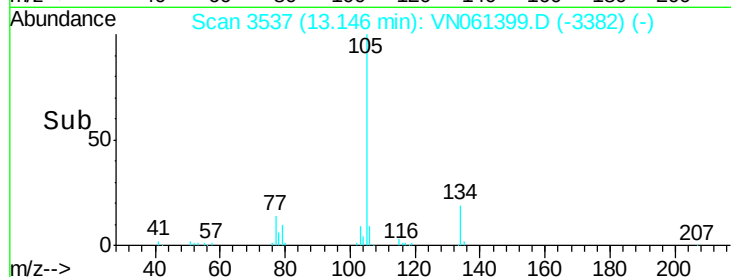
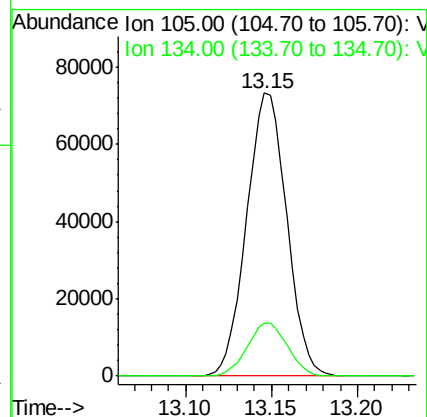
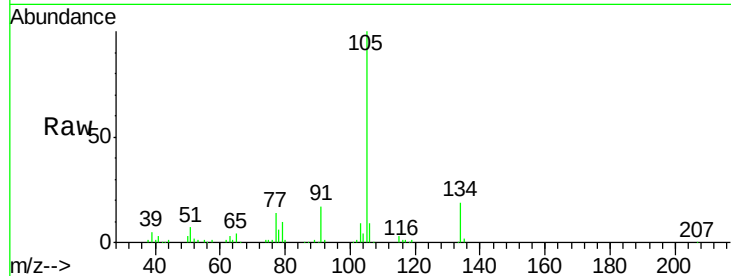
134 18.9 0.0 38.0

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#82

p-Isopropyltoluene

Concen: 19.258 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

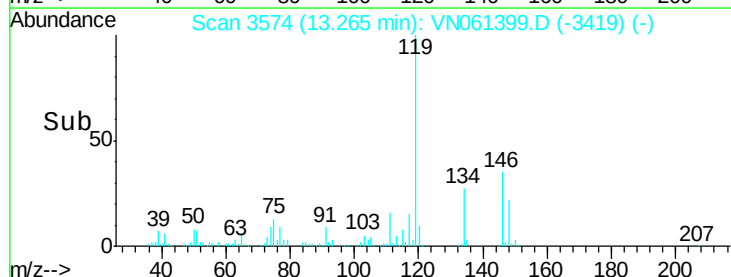
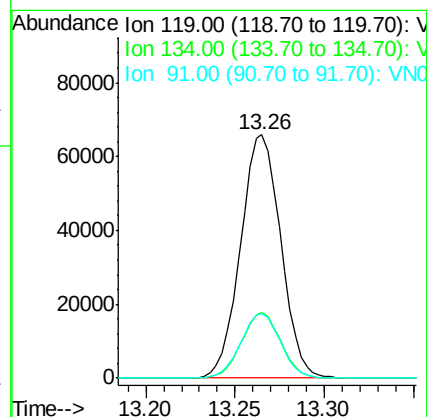
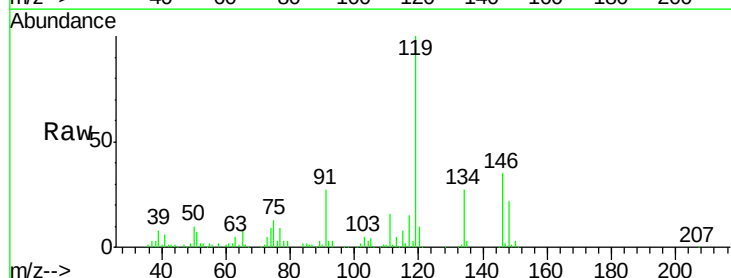
Tgt Ion:119 Resp: 103516

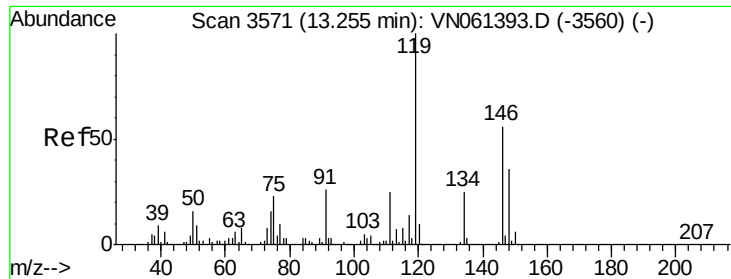
Ion Ratio Lower Upper

119 100

134 26.3 0.0 50.8

91 26.2 0.0 49.4





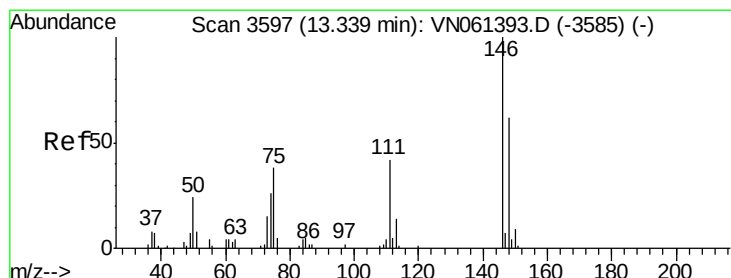
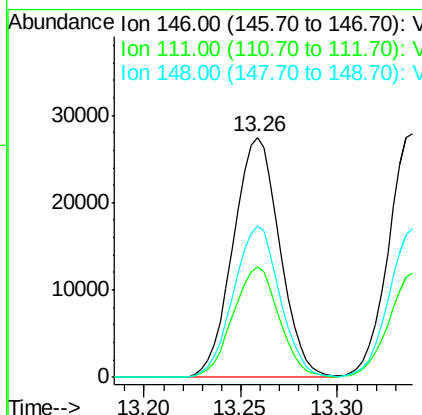
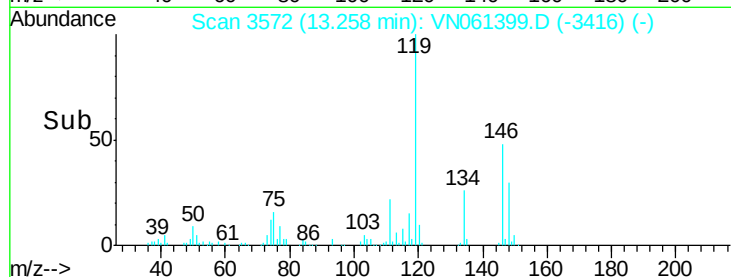
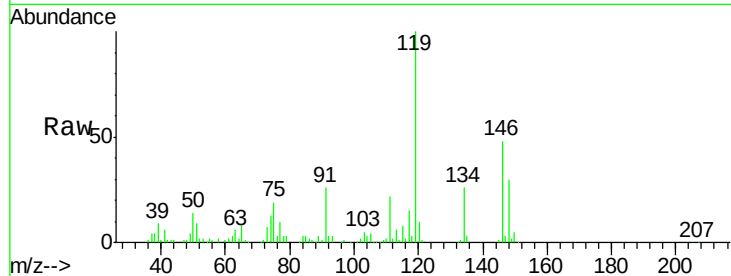
#83
 1,3-Dichlorobenzene
 Concen: 19.185 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.0	63.0
148	62.5	31.7	95.1

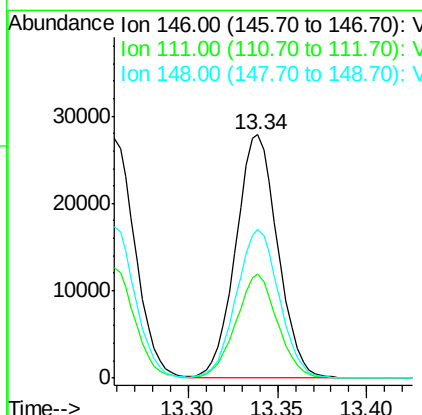
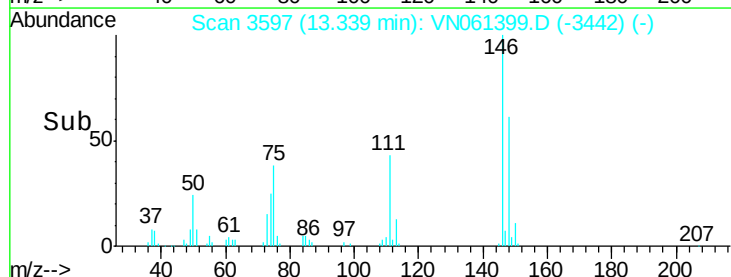
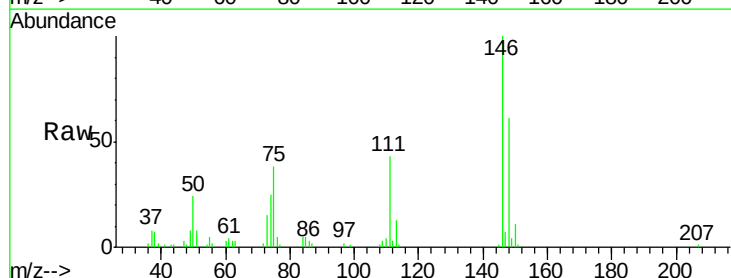
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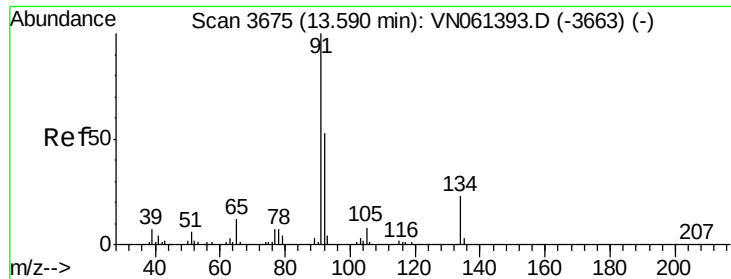
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#84
 1,4-Dichlorobenzene
 Concen: 19.287 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	19.8	59.4
148	62.4	31.6	94.8





#85

n-Butylbenzene

Concen: 19.286 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

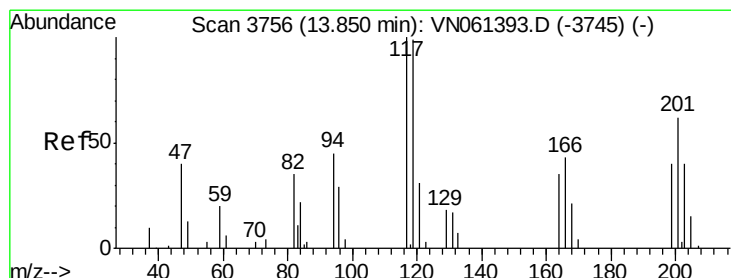
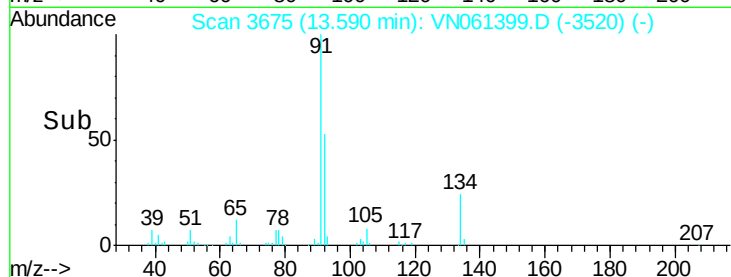
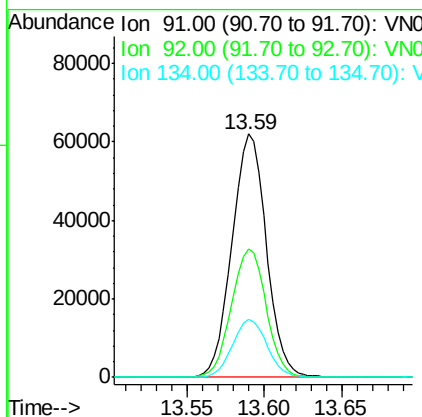
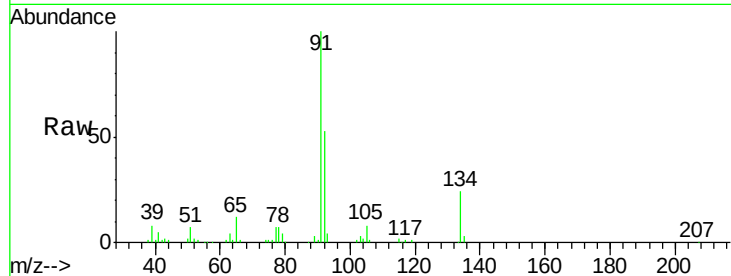
ClientSampleId :

VN0514WBS01

Tot Ion:	91	Resp:	95970
Ion	Ratio	Lower	Upper
91	100		
92	53.3	0.0	102.8
134	23.8	0.0	48.6

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#86

Hexachloroethane

Concen: 19.185 ug/l

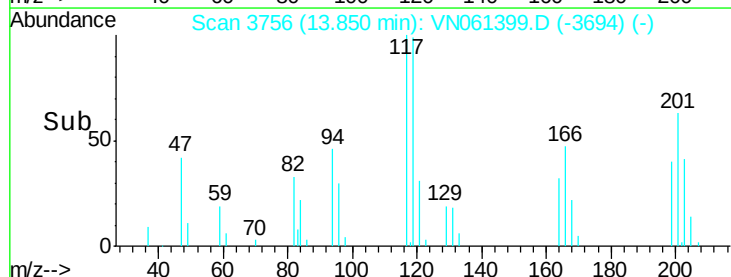
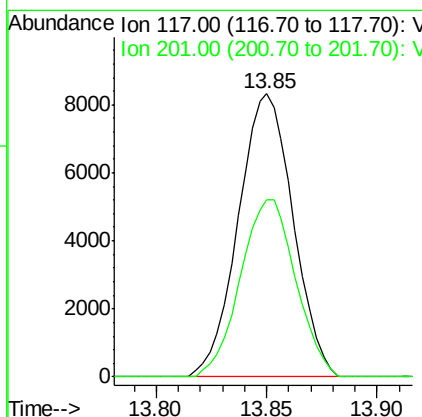
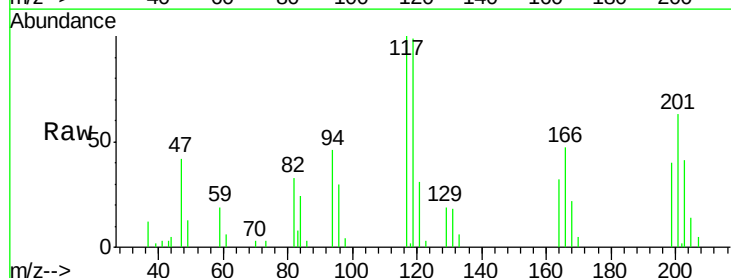
RT: 13.85 min Scan# 3756

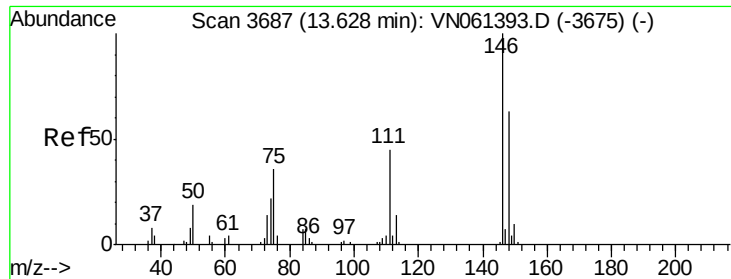
Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Tgt Ion:	117	Resp:	14375
Ion	Ratio	Lower	Upper
117	100		
201	63.1	38.7	116.1





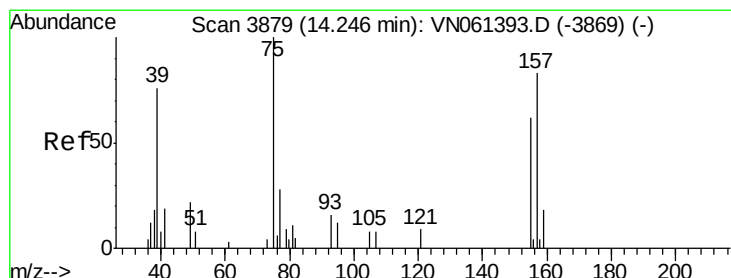
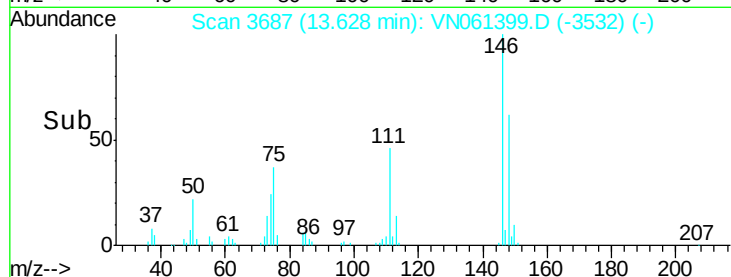
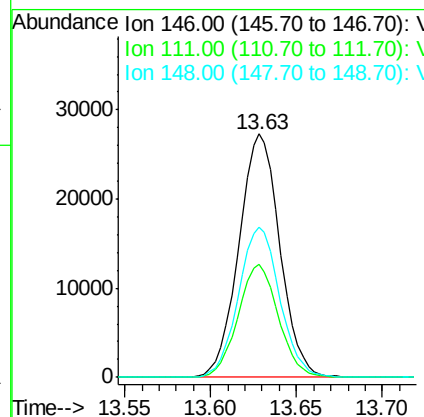
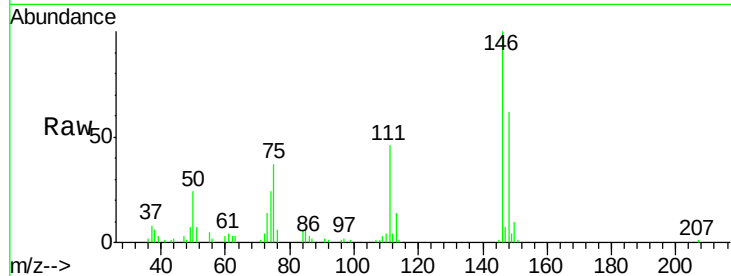
#87
 1,2-Dichlorobenzene
 Concen: 19.899 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.8	65.4
148	62.0	32.1	96.5

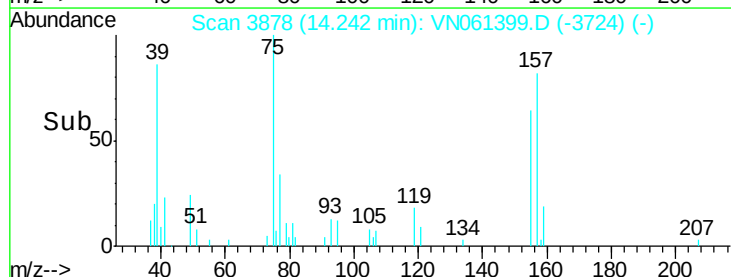
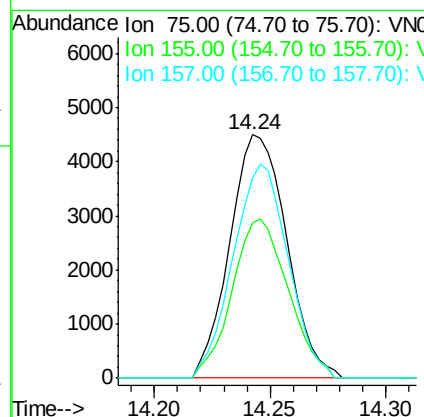
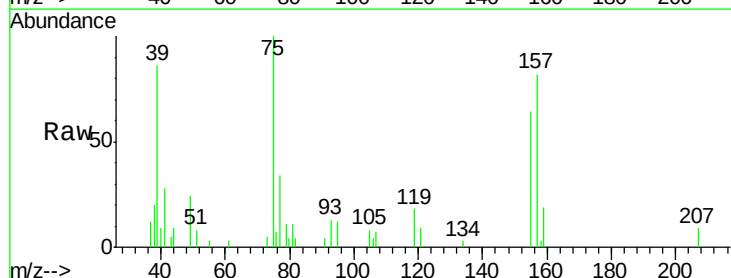
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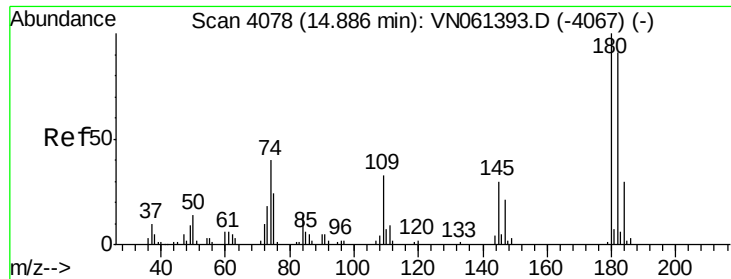
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.958 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.3	58.3	87.5
157	85.1	75.0	112.6





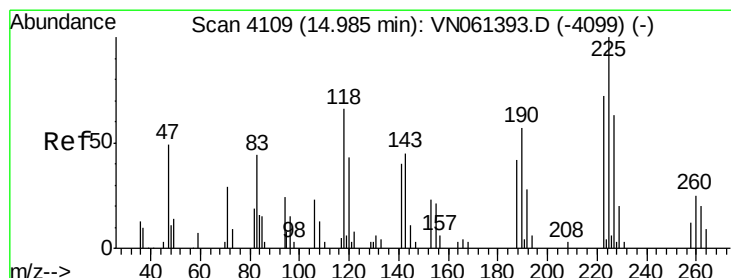
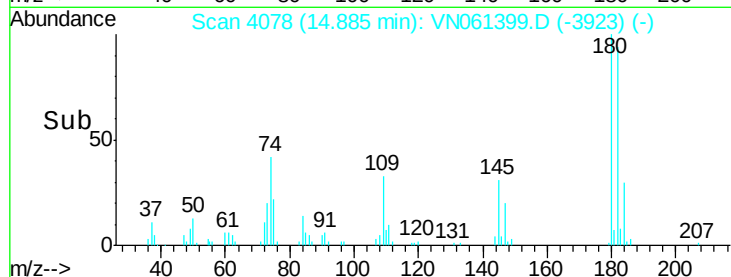
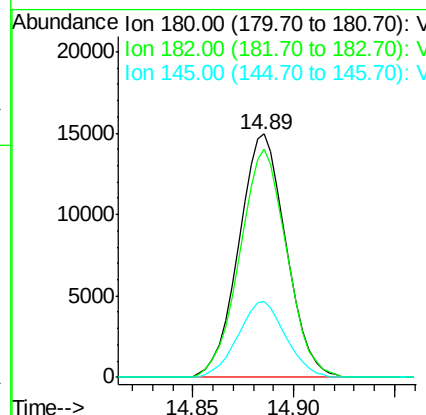
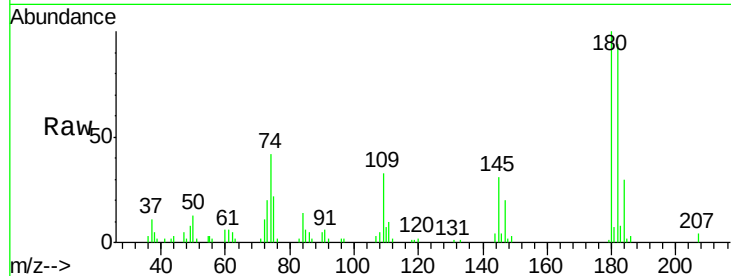
#89
 1,2,4-Trichlorobenzene
 Concen: 18.755 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	75.3	112.9
145	31.4	24.8	37.2

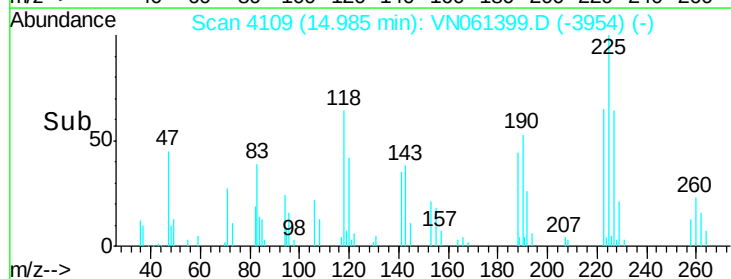
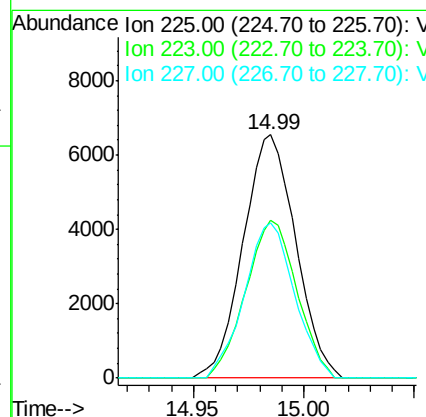
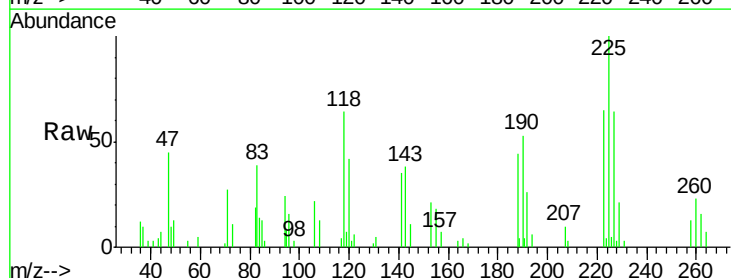
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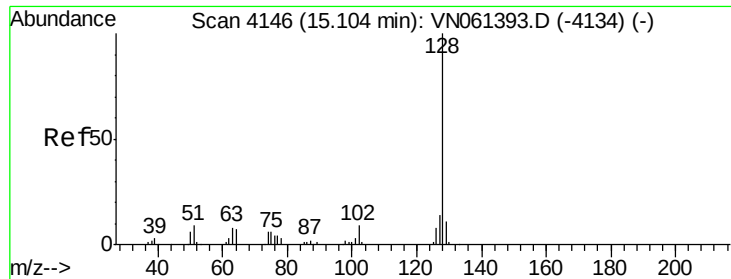
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#90
 Hexachlorobutadiene
 Concen: 20.371 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	0.0	126.2
227	60.9	0.0	127.0





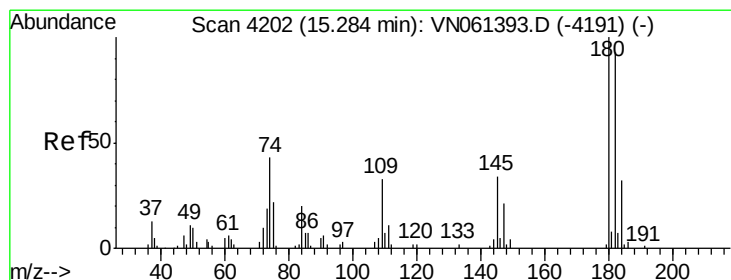
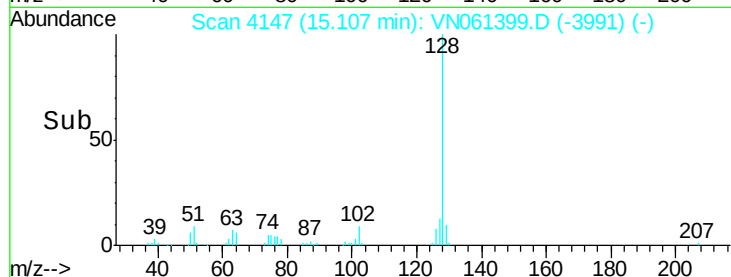
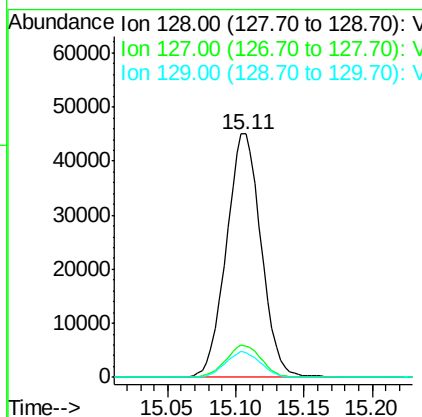
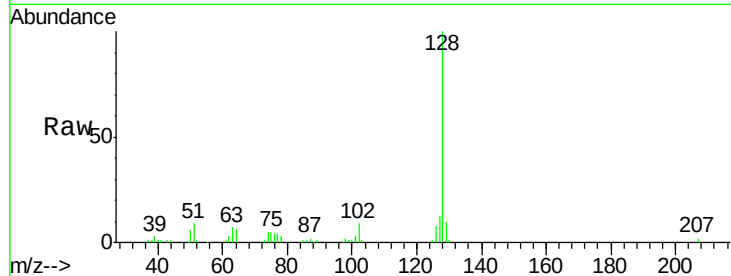
#91
Naphthalene
Concen: 19.343 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.6	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 19.253 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	0.0	193.4
145	33.4	0.0	65.8

