

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061408.D
 Acq On : 14 May 2020 21:34
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:11:13 PM

Quant Time: May 15 07:47:18 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	17255	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	105498	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	95295	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	49474	32.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.73%
60) 4-Bromofluorobenzene	12.38	95	47930	29.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.20%
63) Toluene-d8	10.06	98	133221	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	14638	18.632	ug/l 97
3) Chloromethane	2.03	50	30411	21.171	ug/l 99
4) Vinyl Chloride	2.16	62	42303	21.969	ug/l 99
5) Bromomethane	2.54	94	21993	22.486	ug/l 100
6) Chloroethane	2.68	64	28421	21.815	ug/l 97
7) Trichlorofluoromethane	2.99	101	34858	16.914	ug/l 99
8) Diethyl Ether	3.37	74	13348	20.365	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	18120	20.583	ug/l 96
10) 1,1-Dichloroethene	3.70	96	18769	20.251	ug/l 93
11) Methyl Iodide	3.91	142	20688	20.624	ug/l 97
12) Methyl Acetate	4.28	43	24140	21.446	ug/l 98
13) Acrolein	3.57	56	17433	91.982	ug/l 95
14) Acrylonitrile	4.93	53	55162	104.402	ug/l 98
15) Acetone	3.78	58	12041	94.901	ug/l 97
16) Carbon Disulfide	4.01	76	57234	21.967	ug/l 100
17) Allyl chloride	4.28	41	38011	20.375	ug/l 98
18) Methylene Chloride	4.50	84	22677	20.274	ug/l 91
19) trans-1,2-Dichloroethene	4.99	96	21676	19.651	ug/l 96
20) Diisopropyl ether	5.91	45	87926	20.246	ug/l 94
21) 1,1-Dichloroethane	5.80	63	46499	20.505	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	25588	19.784	ug/l 94
23) tert-Butyl Alcohol	4.73	59	17179	101.432	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	77226	20.531	ug/l 98
25) Chloroform	7.33	83	44445	20.218	ug/l 99
26) Cyclohexane	7.62	56	44041	20.338	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	35337	19.088	ug/l 97
30) 2-Butanone	6.79	43	76561	97.764	ug/l 98
31) 2,2-Dichloropropane	6.78	77	39110	18.083	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	40318	19.465	ug/l 98
33) Carbon Tetrachloride	7.73	117	29541	18.580	ug/l 96
34) Benzene	8.00	78	100847	19.255	ug/l 98
35) Methacrylonitrile	7.13	41	14846	18.901	ug/l 88
36) 1,2-Dichloroethane	8.09	62	39772	19.782	ug/l 100
37) Trichloroethene	8.80	130	25252	19.581	ug/l 99
38) Methylcyclohexane	9.05	83	41364	18.612	ug/l 96
39) 1,2-Dichloropropane	9.09	63	27878	19.362	ug/l 98
40) Dibromomethane	9.18	93	17547	19.731	ug/l 91

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	36935	19.144	ug/l	99
42) Vinyl Acetate	5.84	43	364829	98.100	ug/l	100
43) Ethyl Acetate	6.88	43	33300	19.907	ug/l #	91
44) Isopropyl Acetate	8.13	43	63910	19.678	ug/l #	87
45) 1,4-Dioxane	9.17	88	5328	415.702	ug/l	97
46) Methyl methacrylate	9.17	41	30022	19.657	ug/l	98
47) n-amyl Acetate	12.05	43	56551	19.522	ug/l	97
48) t-1,3-Dichloropropene	10.36	75	42878	18.833	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	44890	18.640	ug/l	93
50) 1,1,2-Trichloroethane	10.54	97	24033	19.544	ug/l	99
51) Ethyl methacrylate	10.40	69	40952	19.331	ug/l	92
52) 1,3-Dichloropropane	10.68	76	44157	19.666	ug/l	99
53) Dibromochloromethane	10.87	129	24939	18.510	ug/l	99
54) 1,2-Dibromoethane	10.98	107	24148	19.032	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	92666	98.835	ug/l	99
56) Bromoform	12.10	173	15423	18.202	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	178996	103.078	ug/l	98
59) 2-Hexanone	10.72	43	126258	102.790	ug/l	99
61) Tetrachloroethene	10.60	164	22851	19.175	ug/l	96
62) Toluene	10.13	91	107683	19.488	ug/l	97
64) Chlorobenzene	11.41	112	63759	19.495	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	22905	19.167	ug/l	99
66) Ethyl Benzene	11.48	91	124312	19.604	ug/l	98
67) m/p-Xylenes	11.60	106	90636	38.706	ug/l	99
68) o-Xylene	11.92	106	44027	19.700	ug/l	100
69) Styrene	11.94	104	72720	18.910	ug/l	98
70) Isopropylbenzene	12.22	105	116061	19.167	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	32858	19.642	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	31112m	19.500	ug/l	
73) Bromobenzene	12.50	156	23558	18.730	ug/l	87
74) n-propylbenzene	12.57	91	137284	19.068	ug/l	99
75) 2-Chlorotoluene	12.65	91	79464	19.247	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	96518	18.994	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	11962	18.014	ug/l	93
78) 4-Chlorotoluene	12.75	91	82066	18.982	ug/l	99
79) tert-butylbenzene	12.97	119	81027	19.195	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	97257	19.175	ug/l	98
81) sec-Butylbenzene	13.15	105	112652	19.372	ug/l	99
82) p-Isopropyltoluene	13.26	119	99052	18.916	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	43415	18.573	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	43015	18.593	ug/l	97
85) n-Butylbenzene	13.59	91	89756	18.515	ug/l	97
86) Hexachloroethane	13.85	117	13351	18.290	ug/l	80
87) 1,2-Dichlorobenzene	13.63	146	41525	18.727	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	7066	19.819	ug/l	91
89) 1,2,4-Trichlorobenzene	14.89	180	23730	18.627	ug/l	99
90) Hexachlorobutadiene	14.99	225	9611	18.519	ug/l	97
91) Naphthalene	15.11	128	76621	19.122	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	23039	18.620	ug/l	97

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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
VSTDCCC020EC

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 14 16:04:10 2020
Response via : Initial Calibration

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

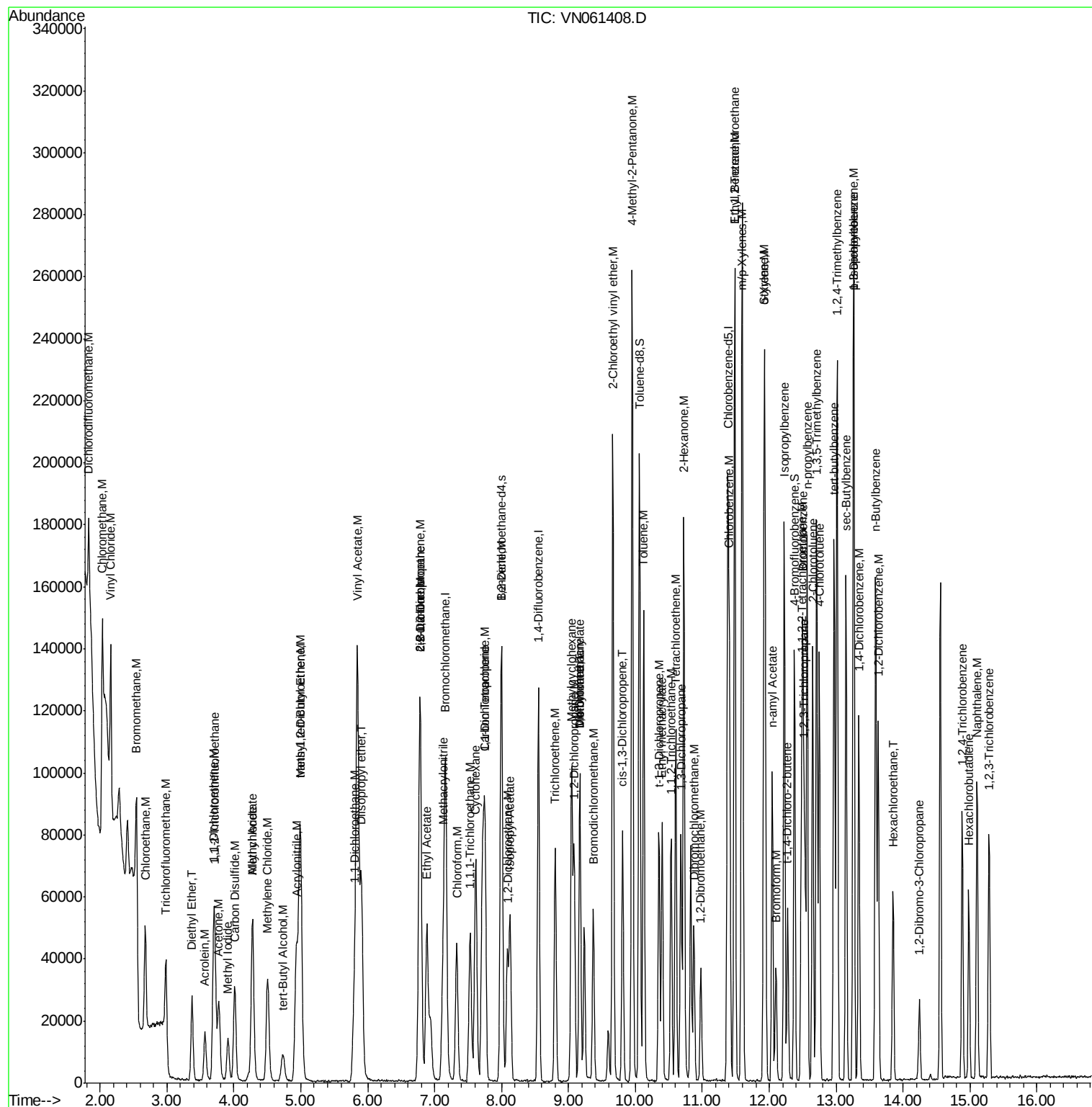
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 Operator : JC/MD
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 ALS Vial : 20 Sample Multiplier: 1

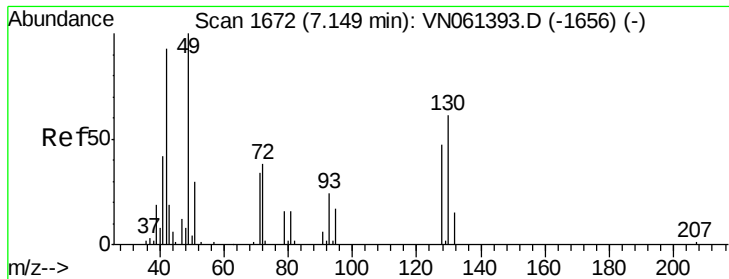
Instrument :
 MSVOA_N
 Client Sample ID :
 VSTDCCC020EC

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

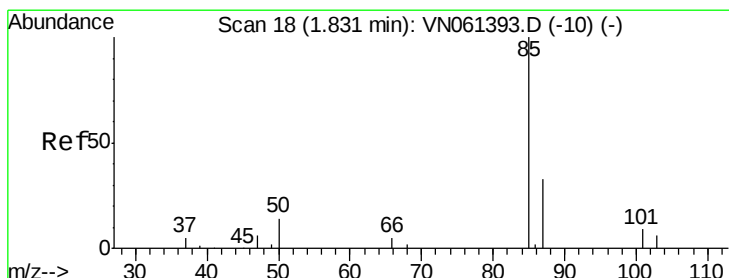
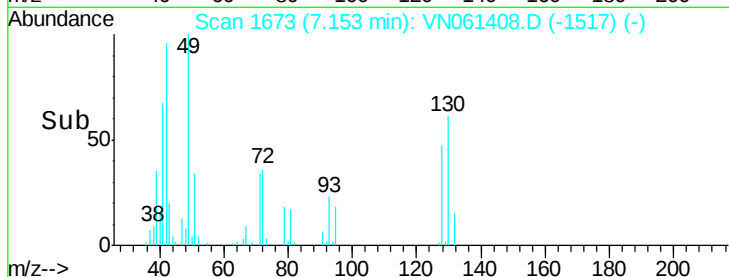
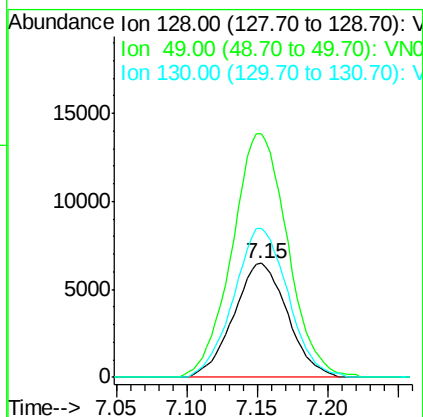
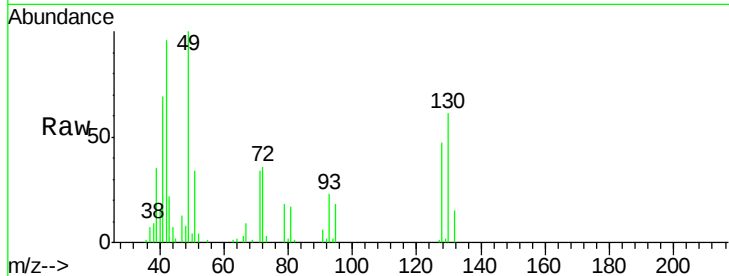
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	17255
Ion	Ratio	Lower	Upper
128	100		
49	220.3	0.0	453.5
130	132.0	0.0	314.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.632 ug/l

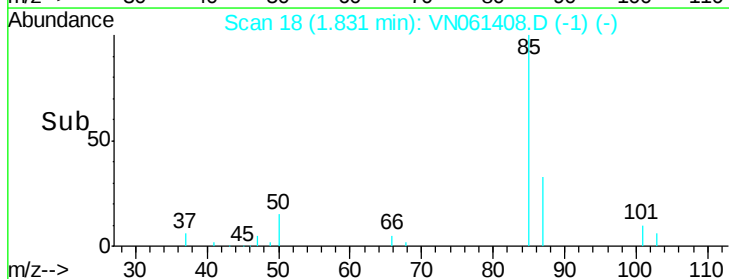
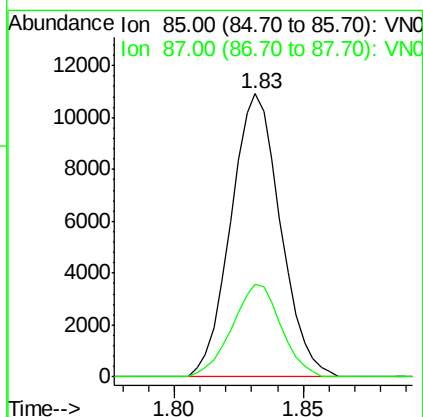
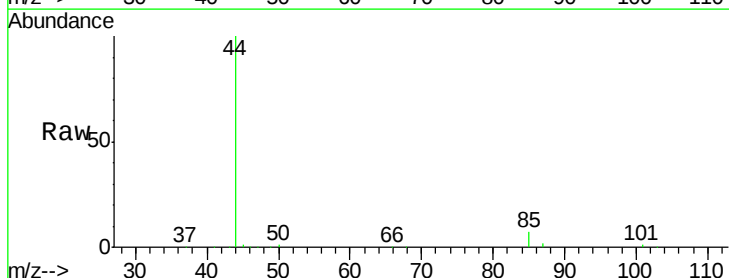
RT: 1.83 min Scan# 18

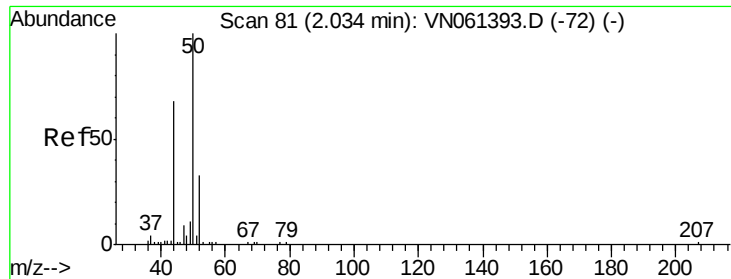
Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Tgt Ion:	85	Resp:	14638
Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.7	47.0





#3

Chloromethane

Concen: 21.171 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 30411

Ion Ratio Lower Upper

50 100

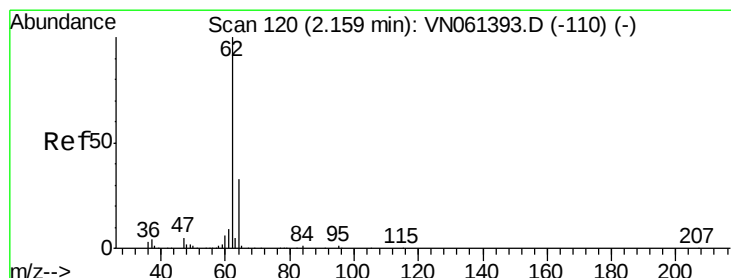
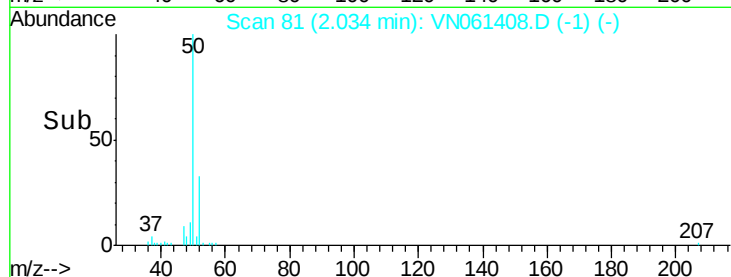
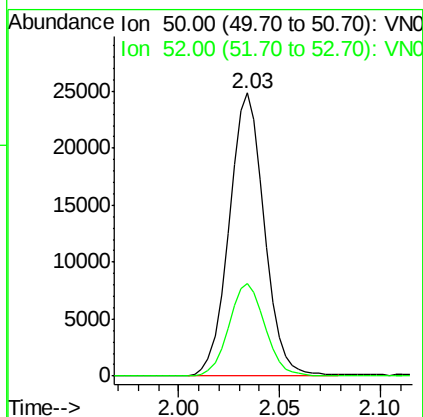
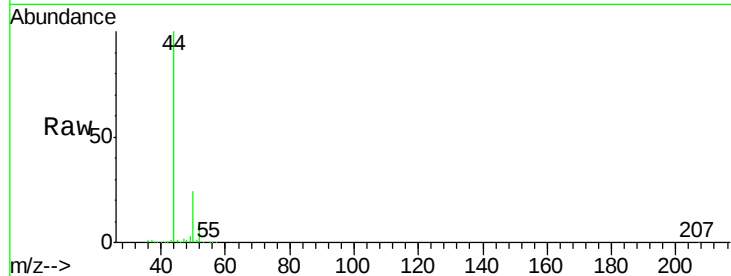
52 32.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.969 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061408.D

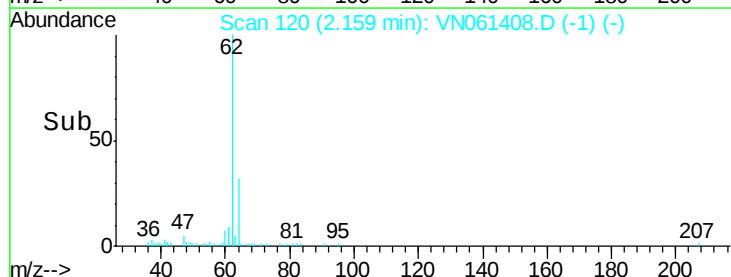
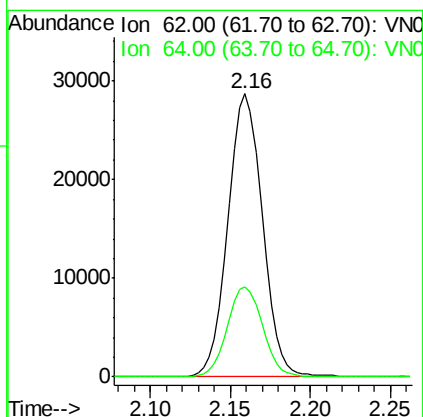
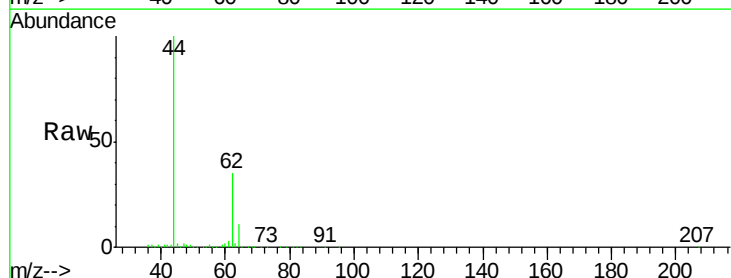
Acq: 14 May 2020 21:34

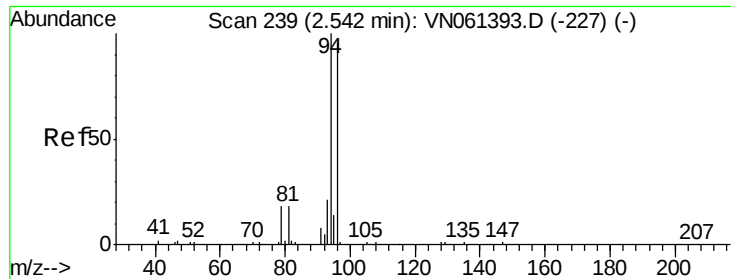
Tgt Ion: 62 Resp: 42303

Ion Ratio Lower Upper

62 100

64 31.8 26.1 39.1





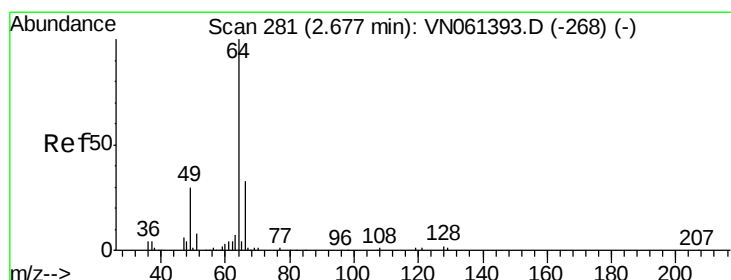
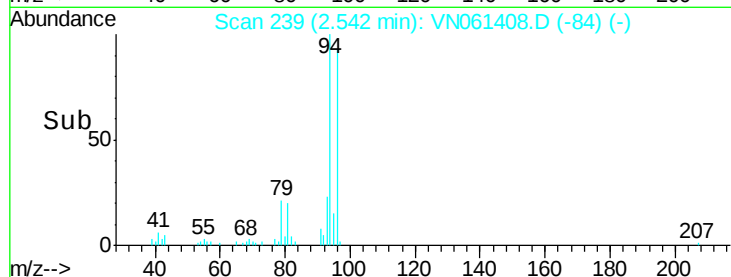
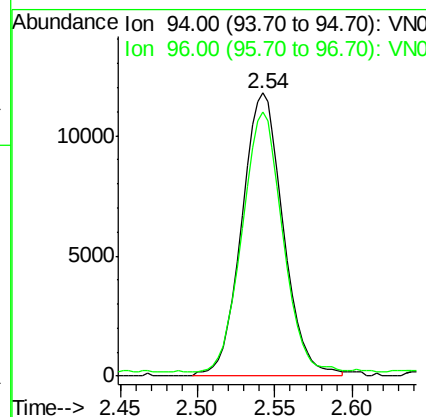
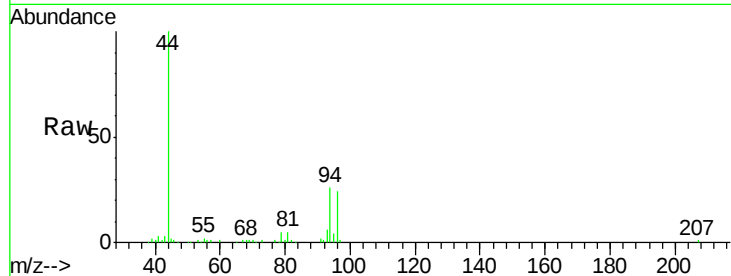
#5
Bromomethane
Concen: 22.486 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

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Tot Ion	94	Resp	21993
Ion Ratio	100	Lower	Upper
96	91.7	73.7	110.5

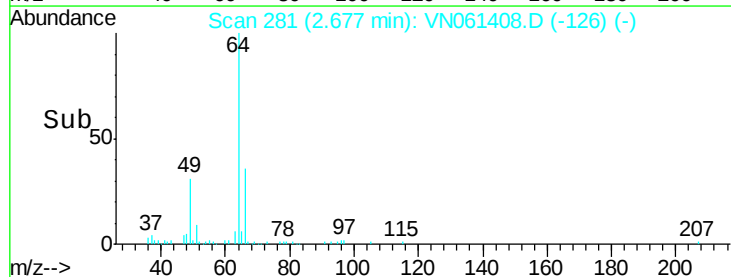
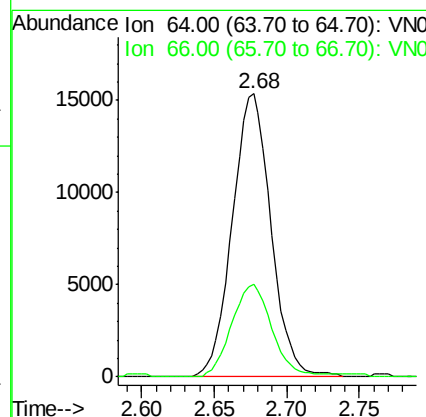
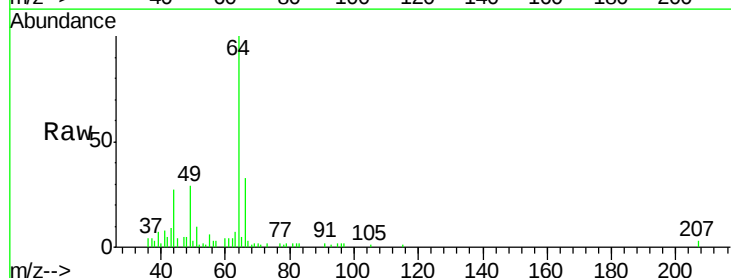
Manual Integrations
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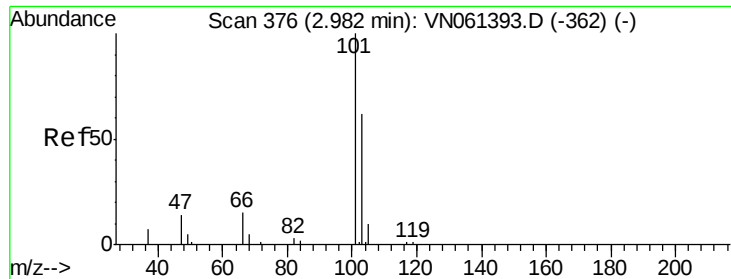
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5/15/2020 2:11:13 PM



#6
Chloroethane
Concen: 21.815 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	64	Resp	28421
Ion Ratio	100	Lower	Upper
66	32.6	24.6	36.8





#7

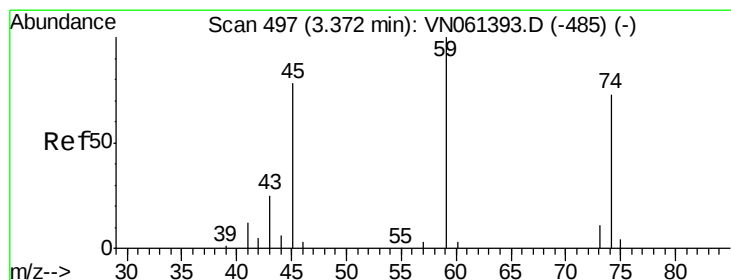
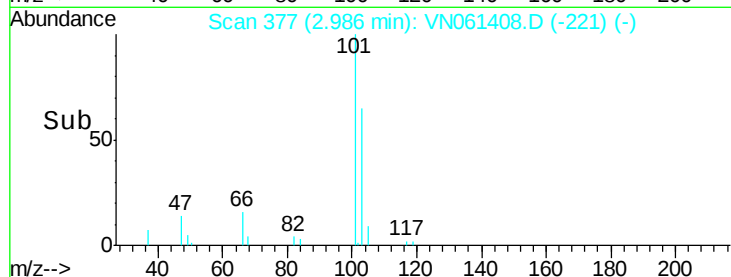
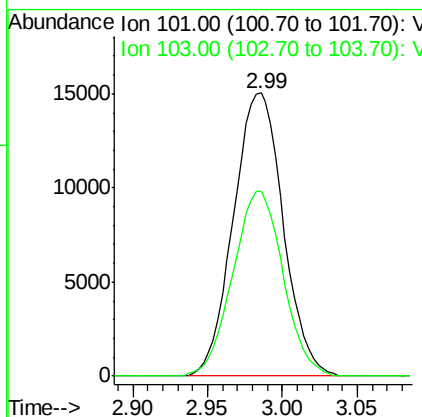
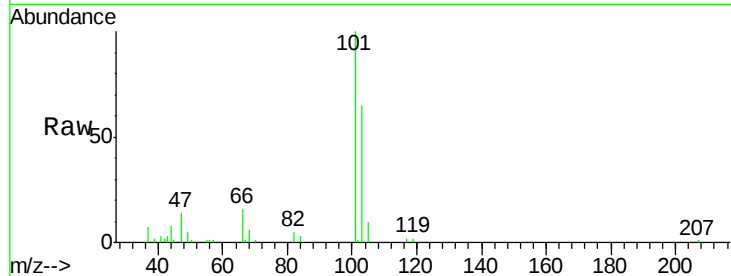
Trichlorofluoromethane
Concen: 16.914 ug/l
RT: 2.99 min Scan# 377
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.5	77.3

Manual Integrations
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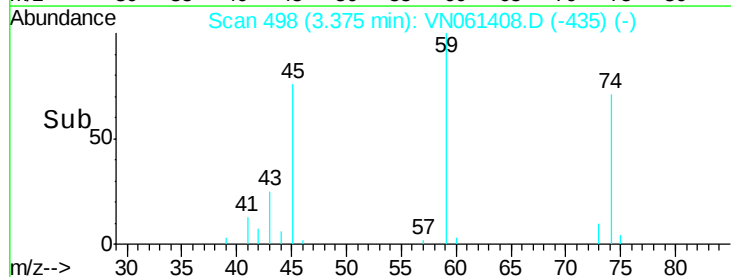
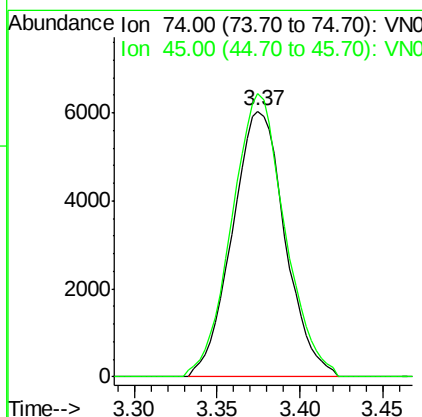
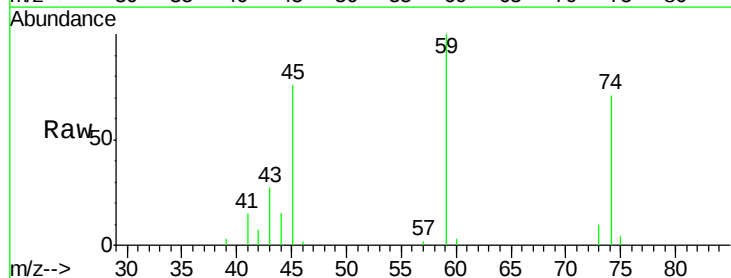
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5/15/2020 2:11:13 PM

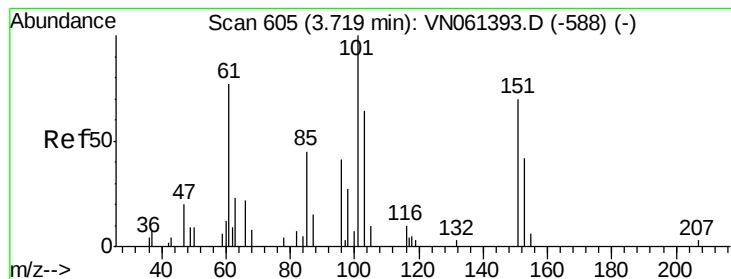


#8

Diethyl Ether
Concen: 20.365 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.2	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.583 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

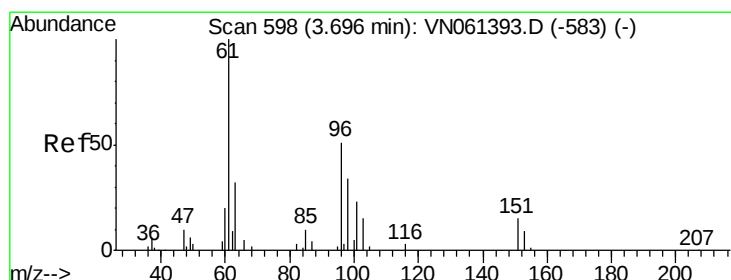
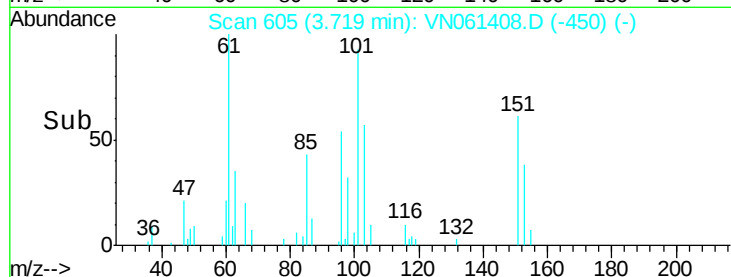
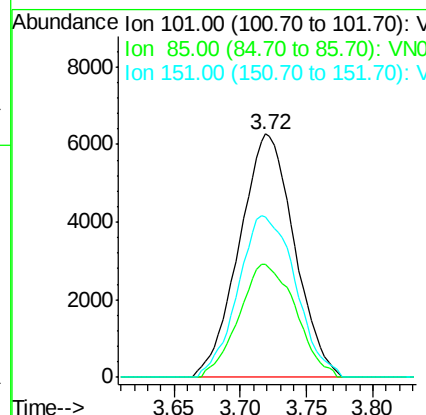
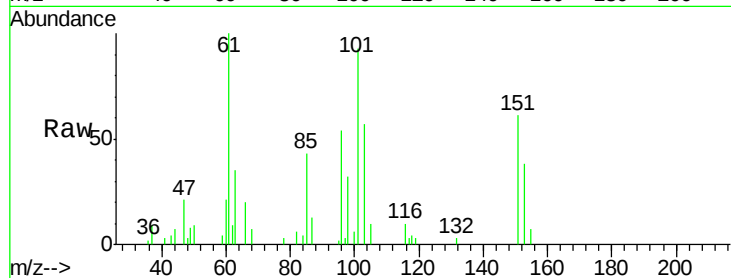
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	18120
Ion Ratio	Lower	Upper	
101	100		
85	47.9	0.0	93.8
151	69.5	0.0	149.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.251 ug/l

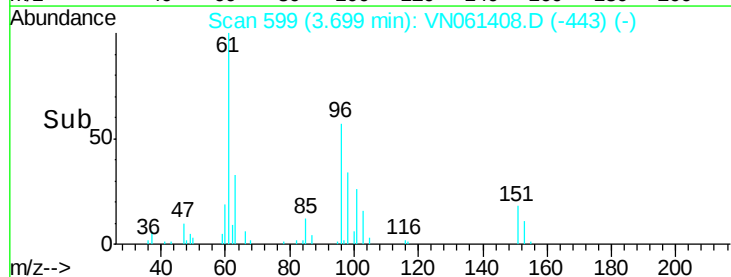
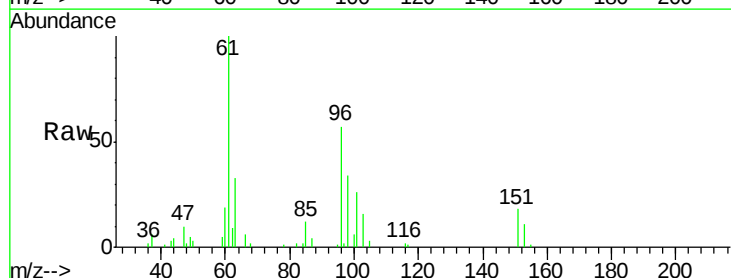
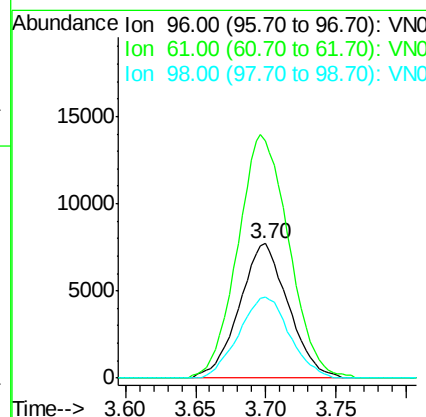
RT: 3.70 min Scan# 599

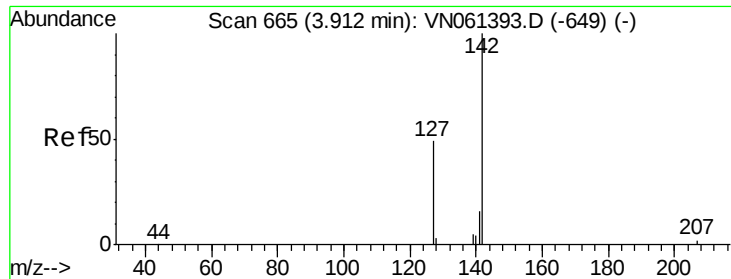
Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Tgt Ion:	96	Resp:	18769
Ion Ratio	Lower	Upper	
96	100		
61	174.7	148.5	222.7
98	60.7	51.0	76.6





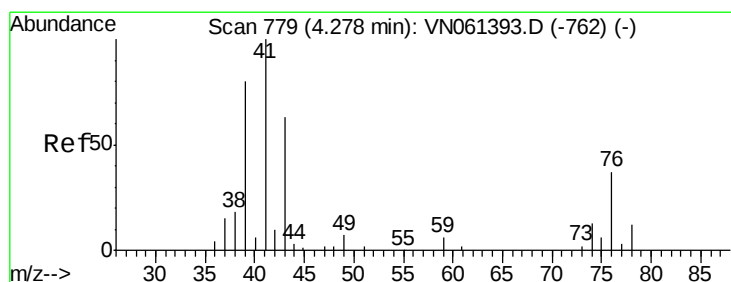
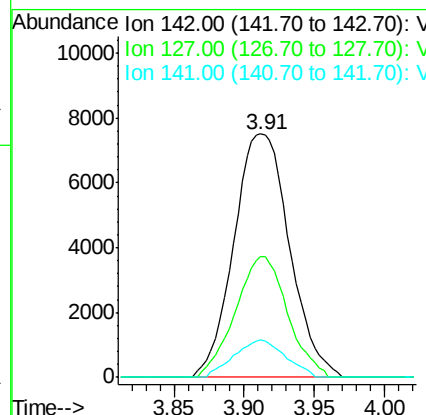
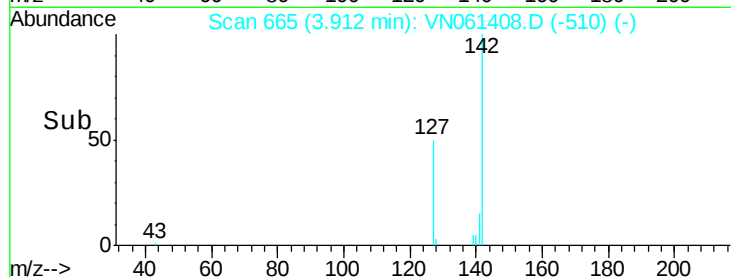
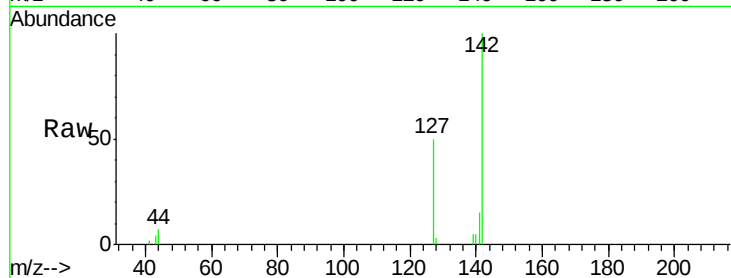
#11
Methvl Iodide
Concen: 20.624 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.7	23.5	70.6
141	15.4	7.4	22.2

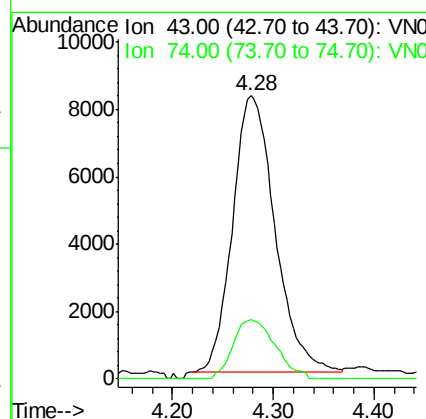
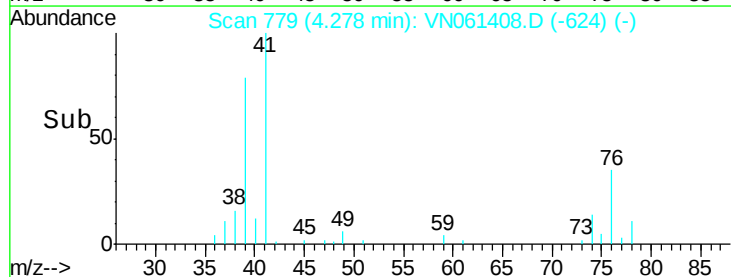
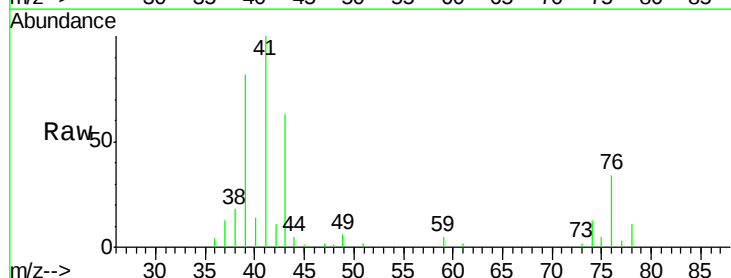
Manual Integrations
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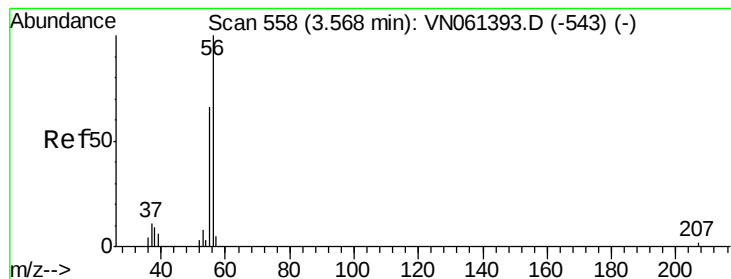
MMDadoda
5/15/2020 2:11:13 PM



#12
Methyl Acetate
Concen: 21.446 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	18.1	27.1





#13

Acrolein

Concen: 91.982 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 17433

Ion Ratio Lower Upper

56 100

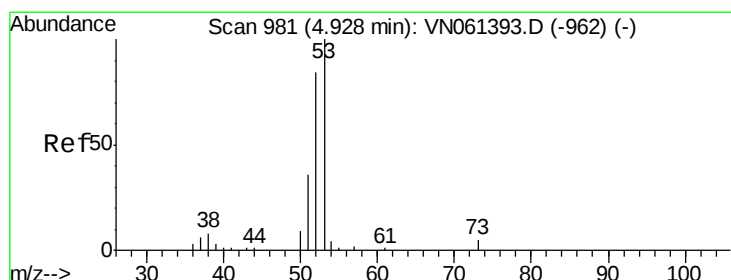
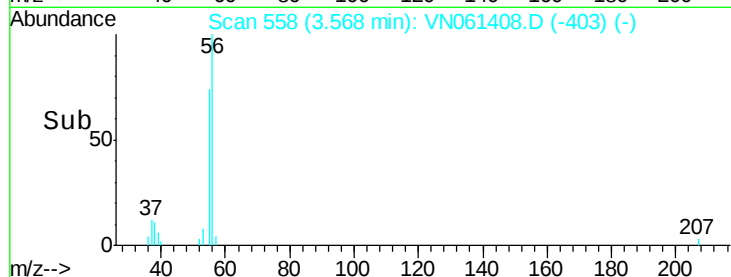
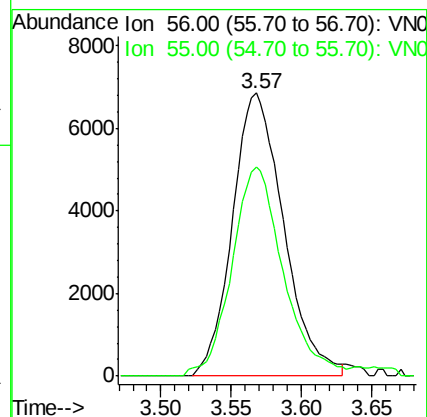
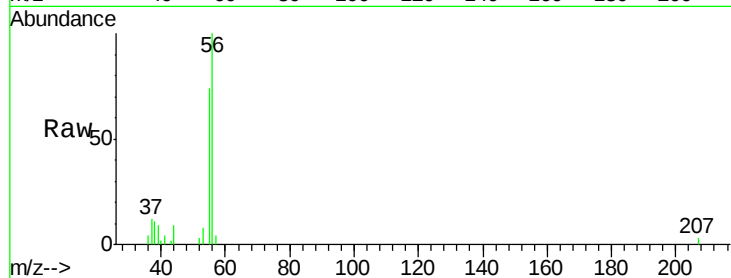
55 73.8 55.9 83.9

Manual Integrations

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#14

Acrylonitrile

Concen: 104.402 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

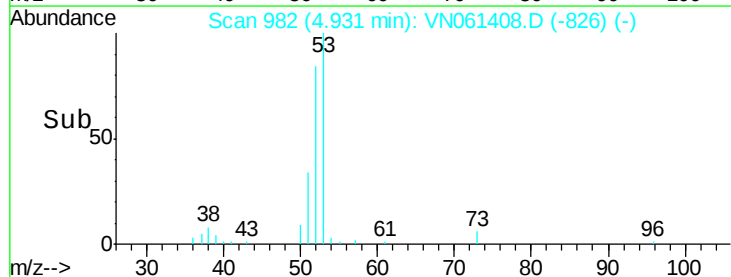
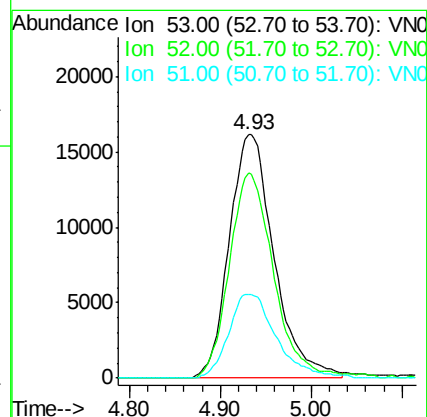
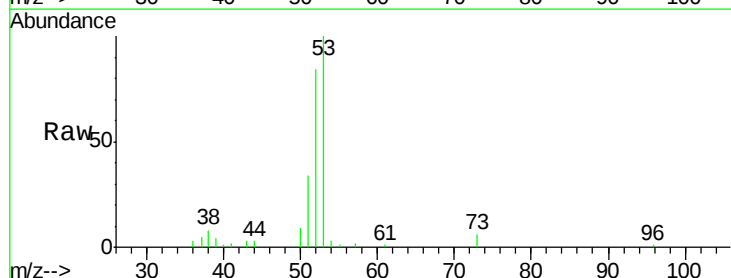
Tgt Ion: 53 Resp: 55162

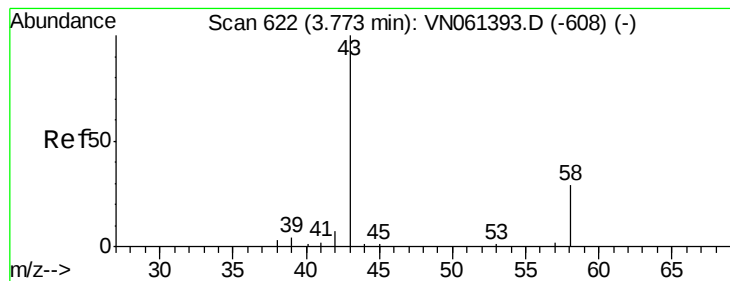
Ion Ratio Lower Upper

53 100

52 82.2 42.2 126.6

51 36.3 18.8 56.4





#15

Acetone

Concen: 94.901 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Tot Ion: 58 Resp: 12041

Ion Ratio Lower Upper

58 100

43 345.5 281.7 422.5

Instrument :

MSVOA_N

ClientSampled :

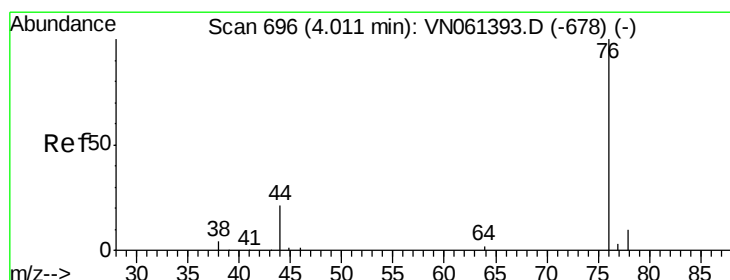
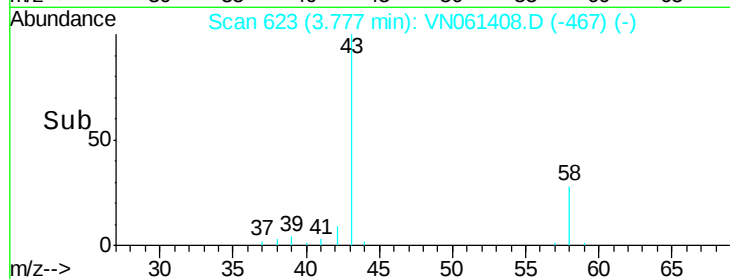
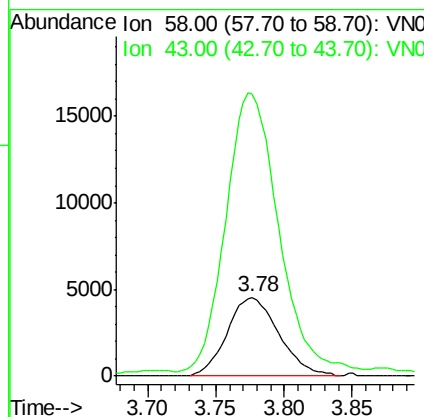
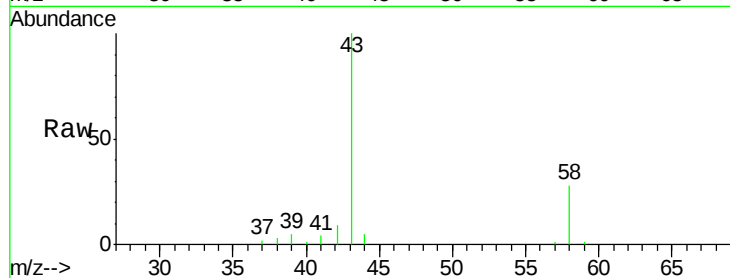
VSTDCCC020EC

Manual Integrations

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#16

Carbon Disulfide

Concen: 21.967 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.00 min

Lab File: VN061408.D

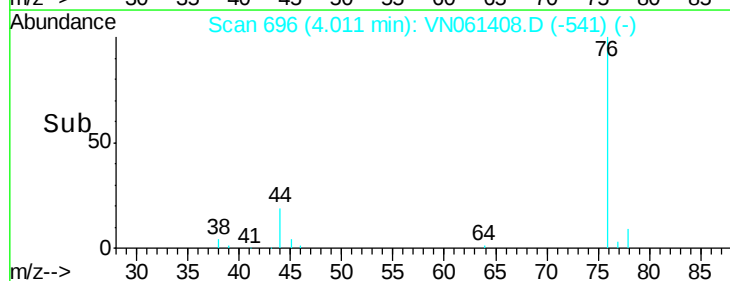
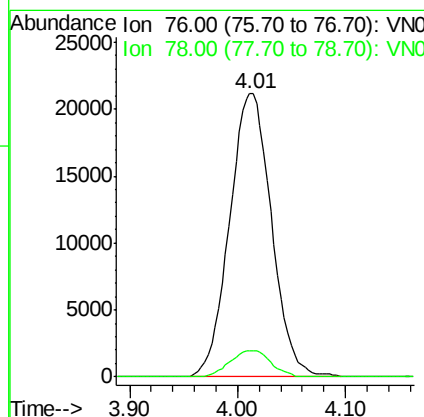
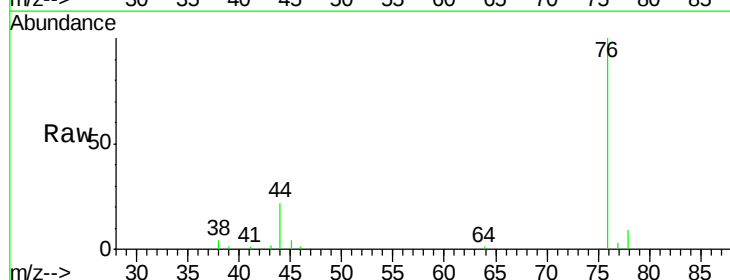
Acq: 14 May 2020 21:34

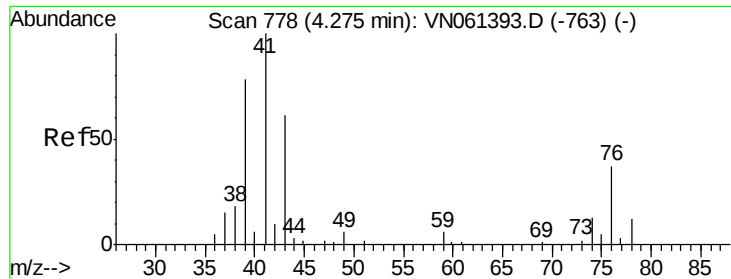
Tgt Ion: 76 Resp: 57234

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





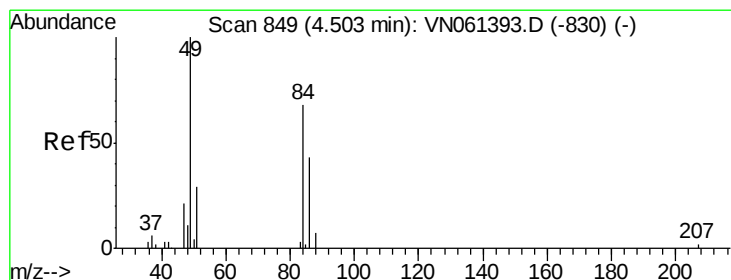
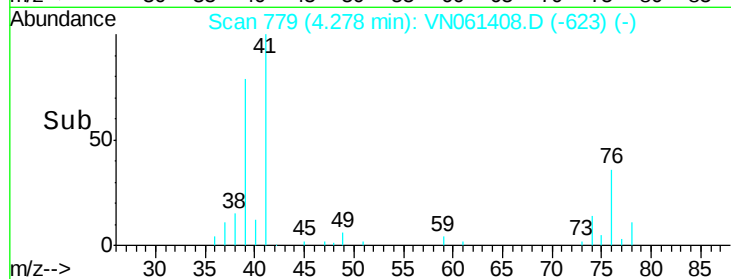
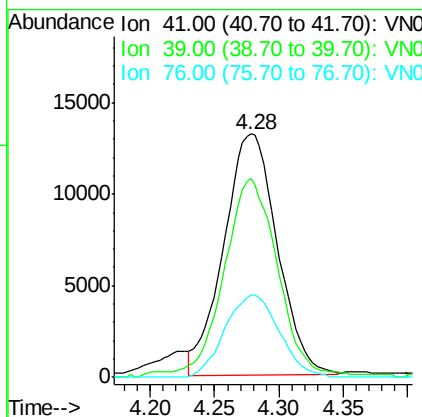
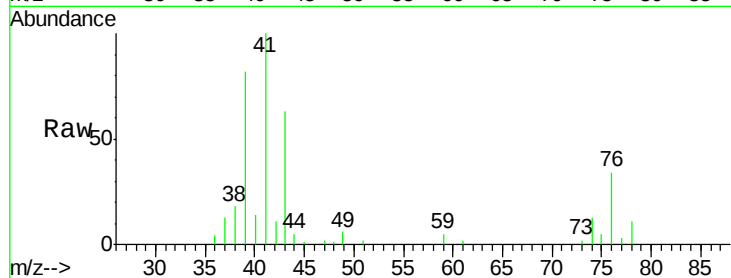
#17
Allvl chloride
Concen: 20.375 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.2	39.6	118.8
76	34.7	17.6	52.9

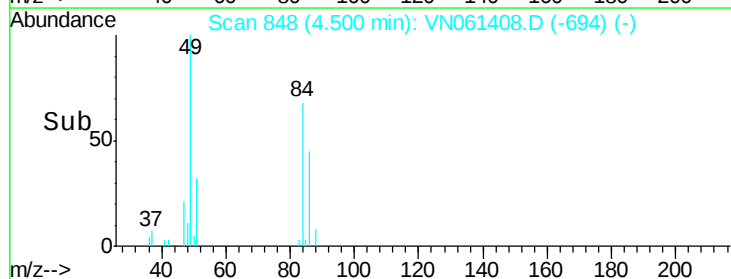
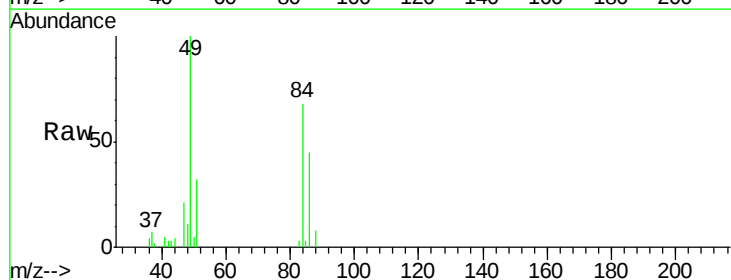
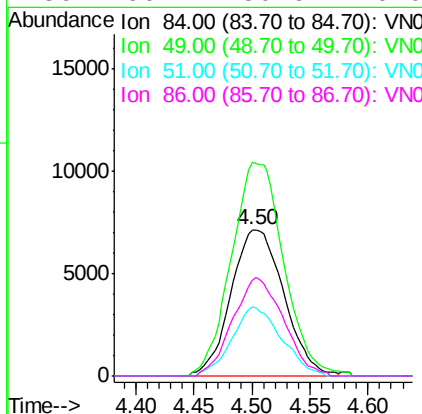
Manual Integrations
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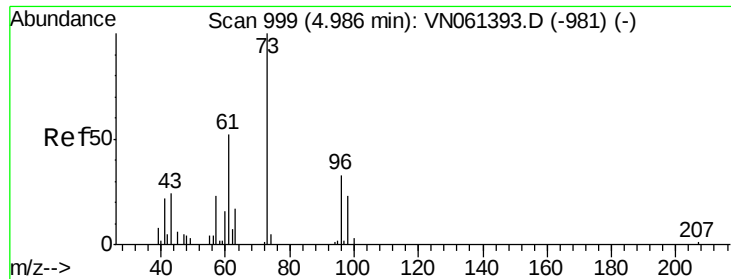
MMDadoda
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#18
Methylene Chloride
Concen: 20.274 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.1	106.6	160.0
51	47.3	32.4	48.6
86	66.1	50.6	76.0





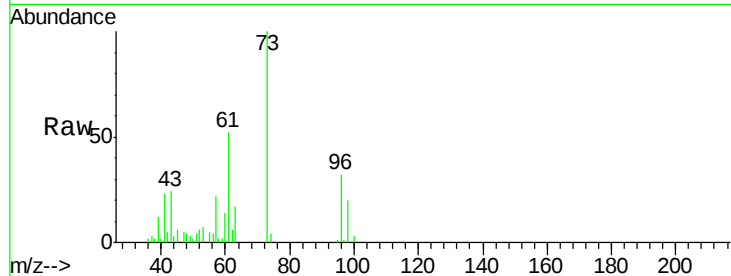
#19
trans-1,2-Dichloroethene
Concen: 19.651 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.9	131.8	197.6
98	61.9	52.6	79.0

Manual Integrations
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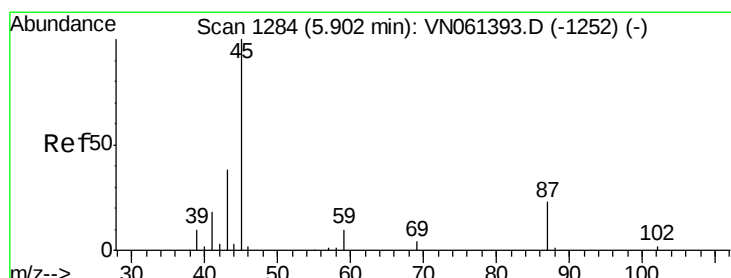
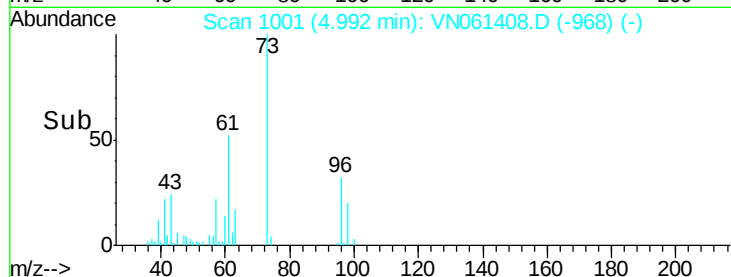
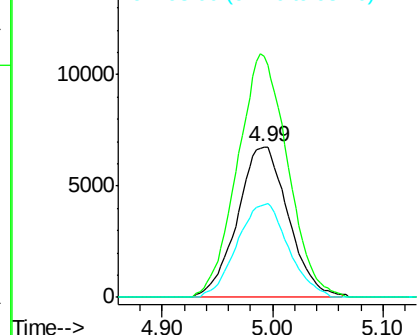


Abundance

Ion 96.00 (95.70 to 96.70): VN061408.D (-1000) (-)

Ion 61.00 (60.70 to 61.70): VN061408.D (-1000) (-)

Ion 98.00 (97.70 to 98.70): VN061408.D (-1000) (-)



#20
Diisopropyl ether
Concen: 20.246 ug/l
RT: 5.91 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.8	54.7	82.1
87	23.8	21.5	32.3
59	10.9	8.7	13.1

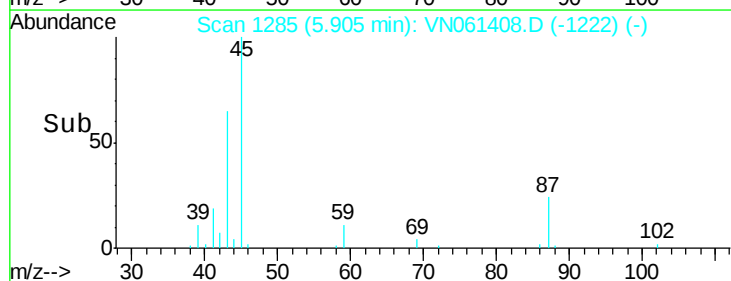
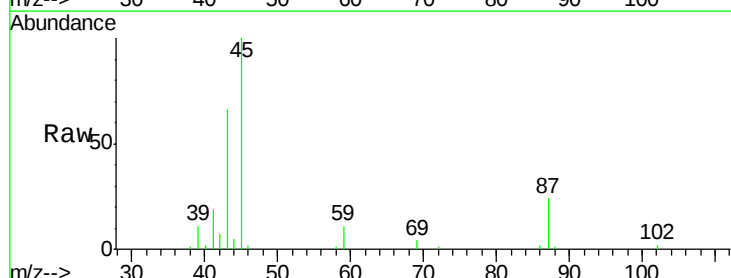
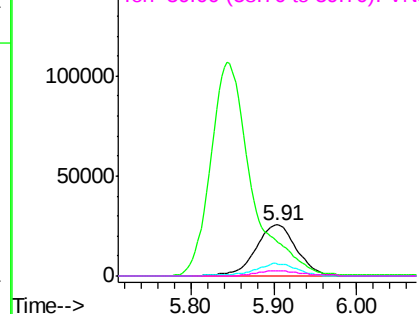
Abundance

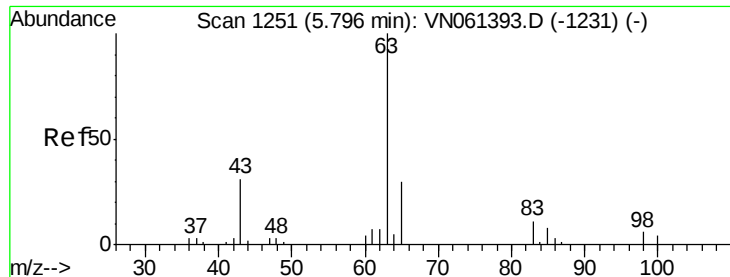
Ion 45.00 (44.70 to 45.70): VN061408.D (-1222) (-)

Ion 43.00 (42.70 to 43.70): VN061408.D (-1222) (-)

Ion 87.00 (86.70 to 87.70): VN061408.D (-1222) (-)

Ion 59.00 (58.70 to 59.70): VN061408.D (-1222) (-)





#21

1,1-Dichloroethane

Concen: 20.505 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

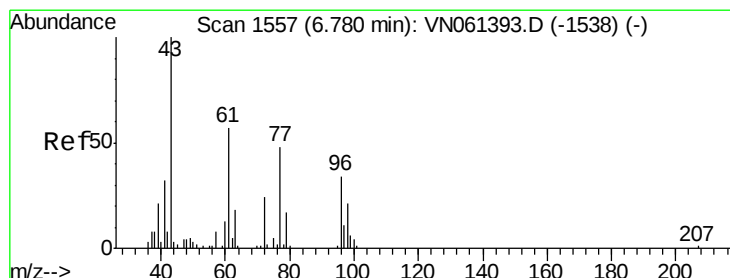
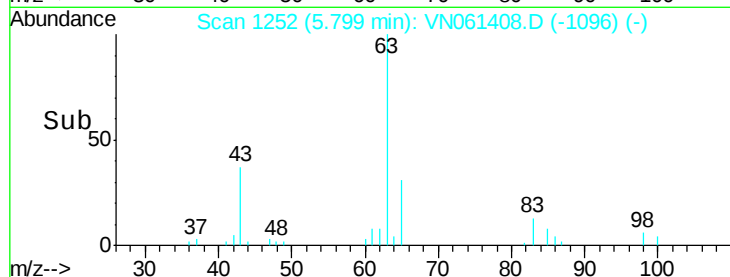
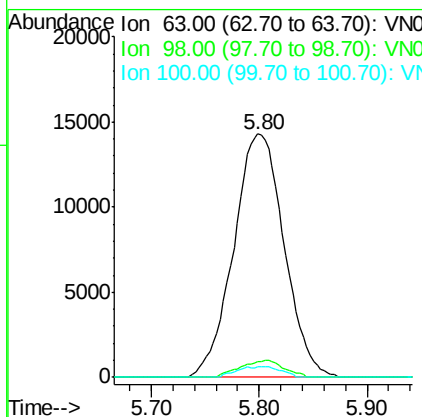
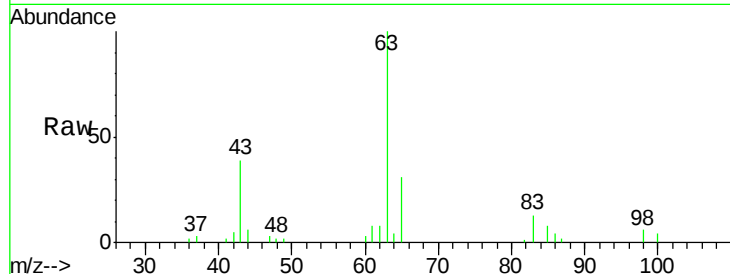
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	46499
Ion Ratio	Lower	Upper	
63	100		
98	6.2	2.9	8.6
100	4.2	1.8	5.5

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#22

cis-1,2-Dichloroethene

Concen: 19.784 ug/l

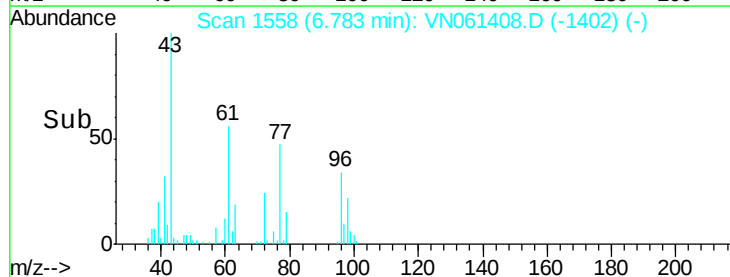
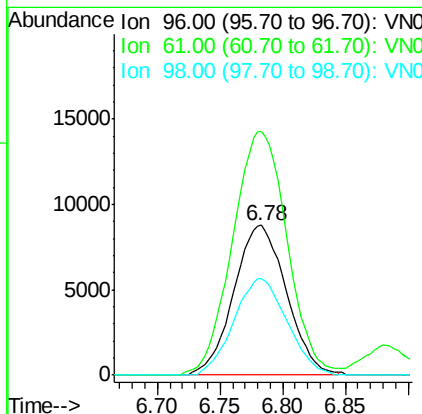
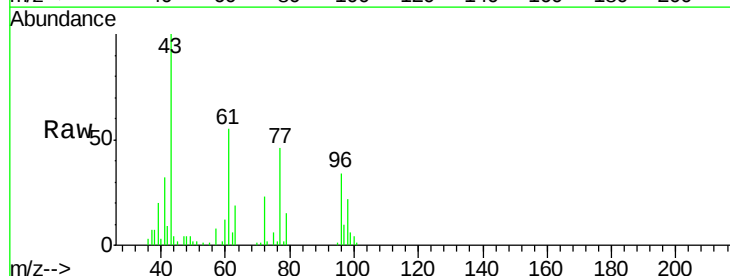
RT: 6.78 min Scan# 1558

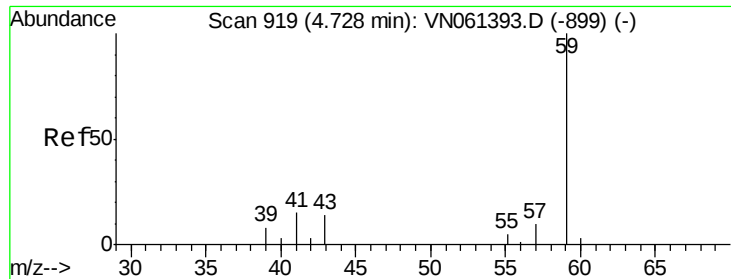
Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Tgt Ion:	96	Resp:	25588
Ion Ratio	Lower	Upper	
96	100		
61	168.4	127.2	190.8
98	64.9	50.5	75.7





#23

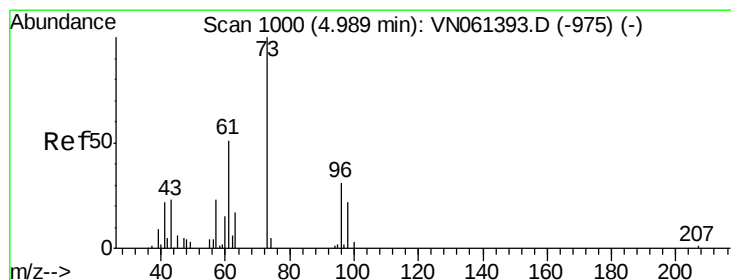
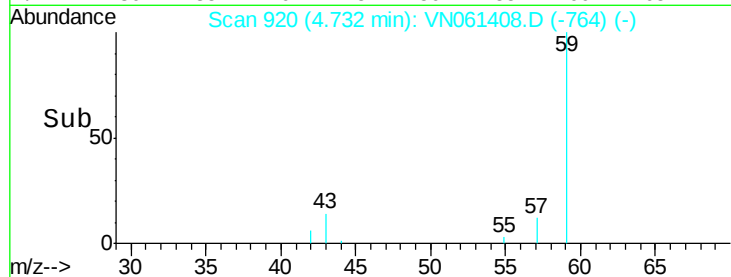
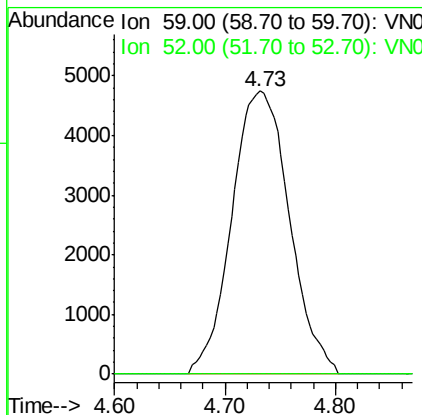
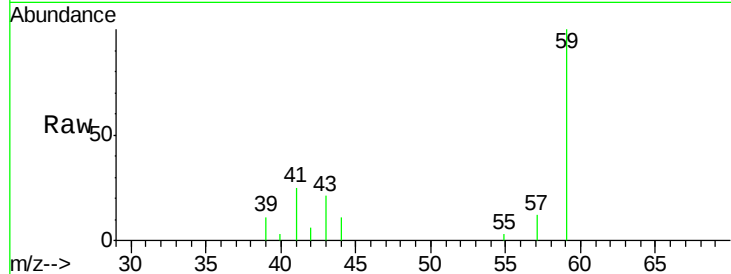
tert-Butyl Alcohol
 Concen: 101.432 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	52	Ratio	100	0.0	Resp	17179	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	17179	Lower	Upper

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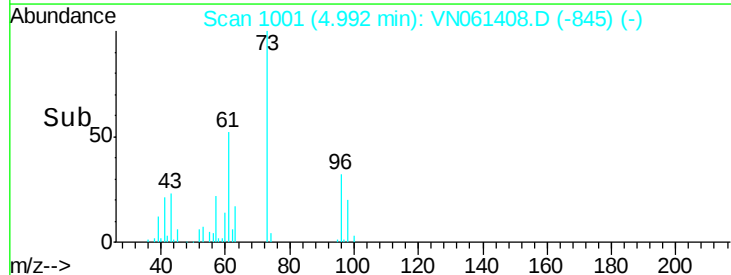
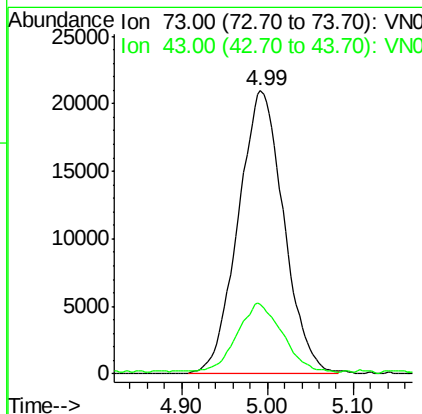
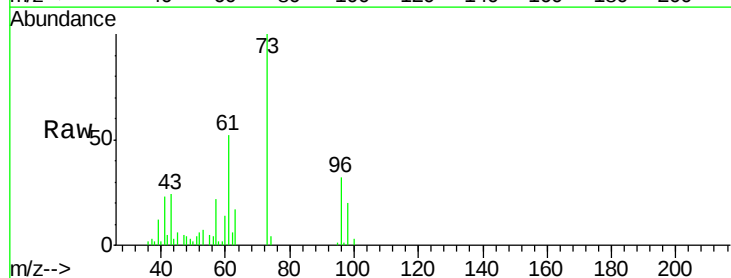
MMDadoda
 5/15/2020 2:11:13 PM

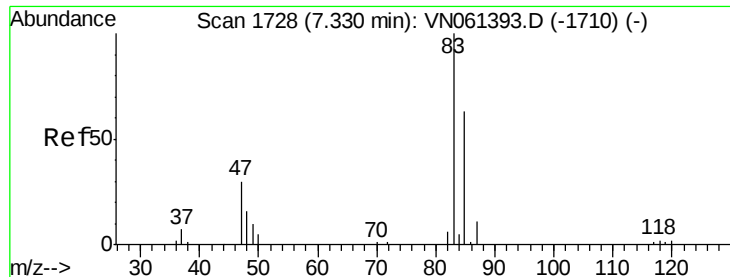


#24

Methyl tert-Butyl Ether
 Concen: 20.531 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Tgt Ion	73	43	Ratio	100	23.4	Resp	77226	Lower	Upper
Ion	73	43	Ratio	100	23.4	Resp	77226	Lower	Upper





#25

Chloroform

Concen: 20.218 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 44445

Ion Ratio Lower Upper

83 100

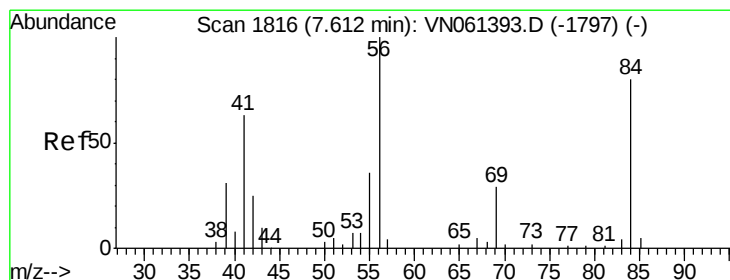
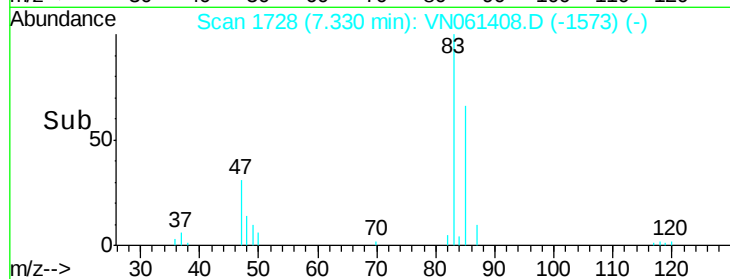
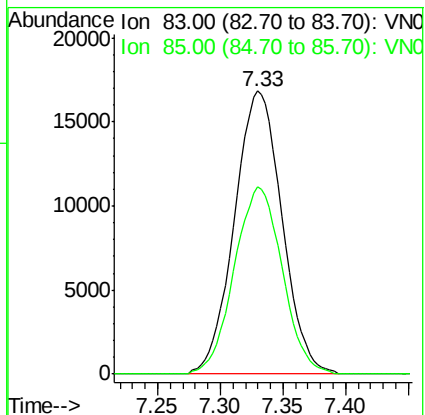
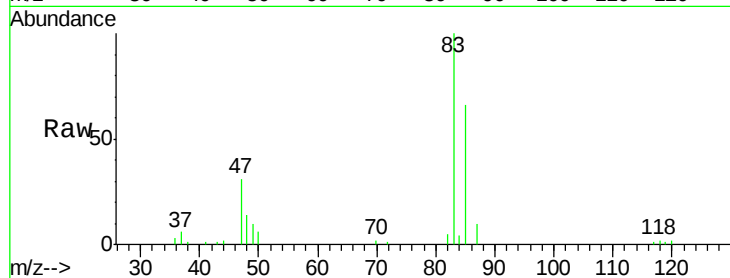
85 66.4 53.8 80.8

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#26

Cyclohexane

Concen: 20.338 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

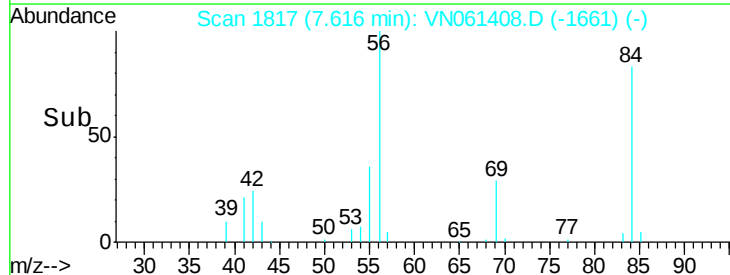
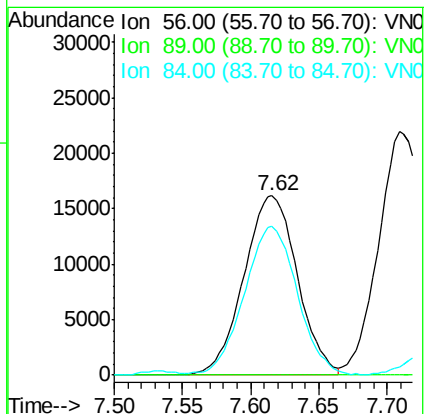
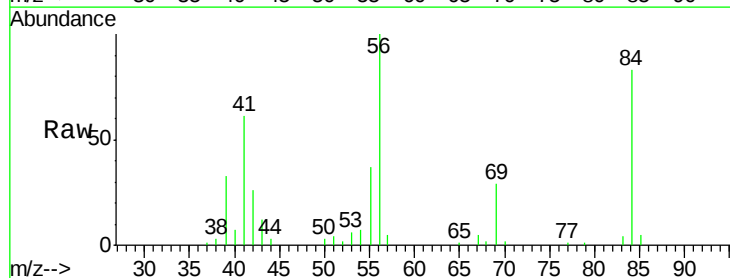
Tgt Ion: 56 Resp: 44041

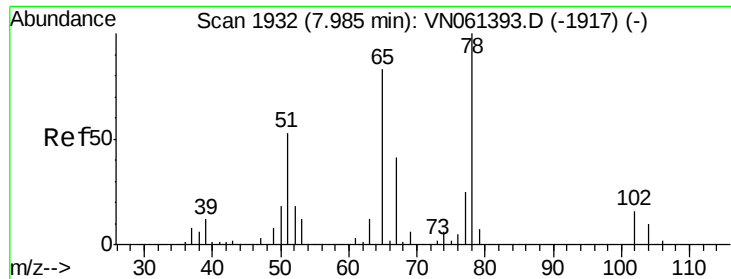
Ion Ratio Lower Upper

56 100

89 0.0 6.2 9.2#

84 82.2 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 32.017 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 49474

Ion Ratio Lower Upper

65 100

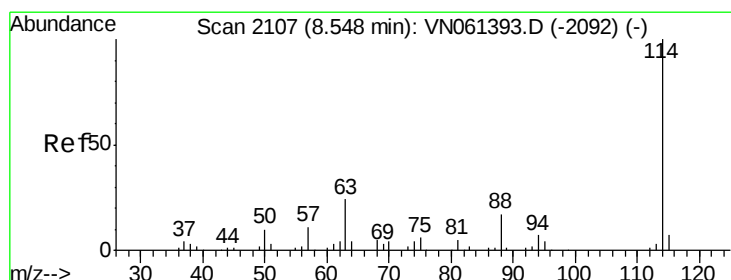
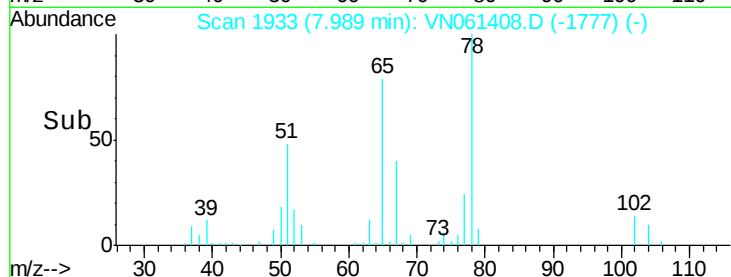
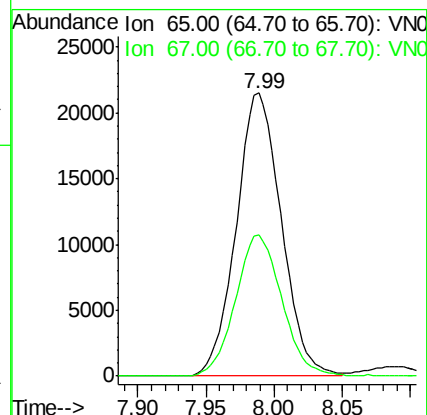
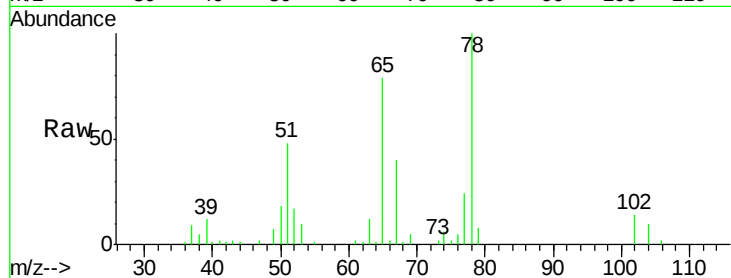
67 51.1 41.5 62.3

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

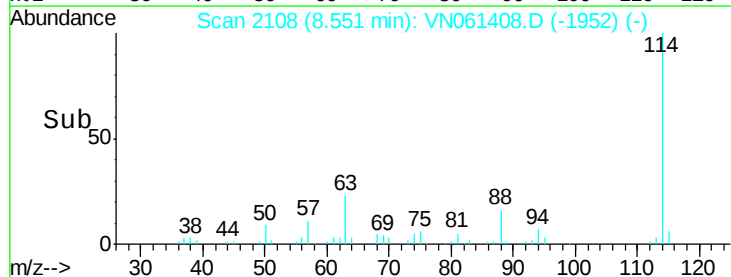
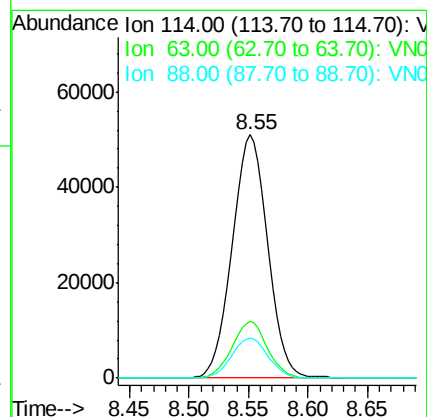
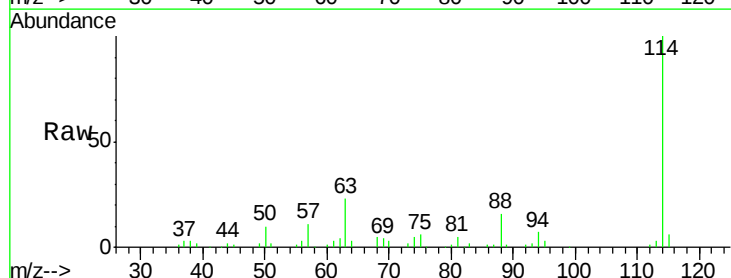
Tgt Ion: 114 Resp: 105498

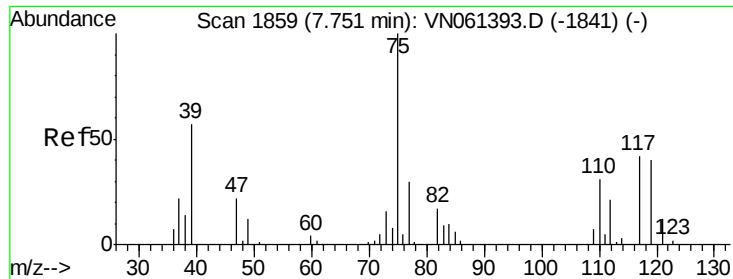
Ion Ratio Lower Upper

114 100

63 23.0 18.1 27.1

88 16.8 13.0 19.4





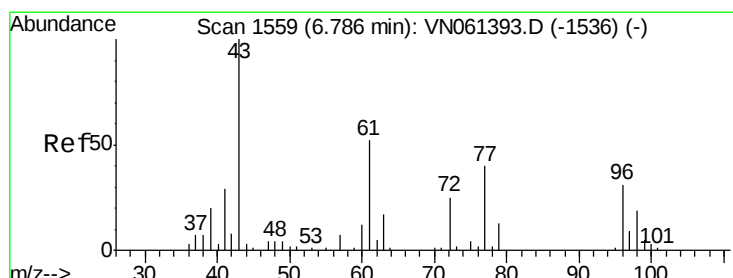
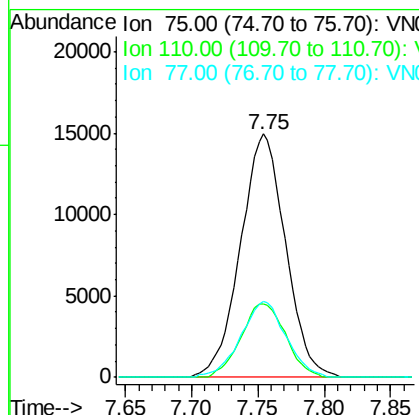
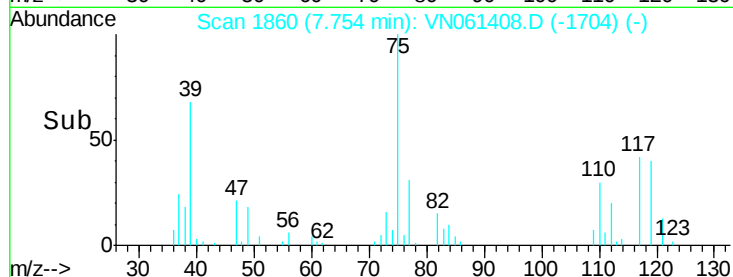
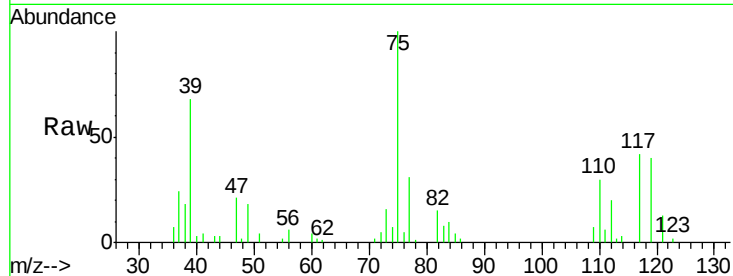
#29
 1,1-Dichloropropene
 Concen: 19.088 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	30.1	0.0	64.6
77	31.3	0.0	60.8

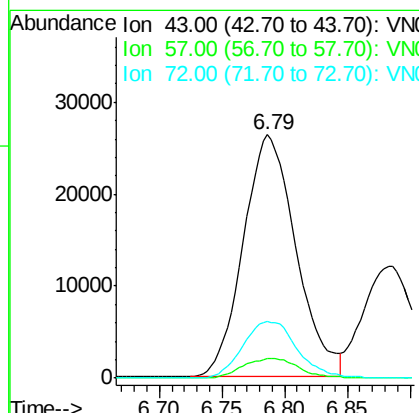
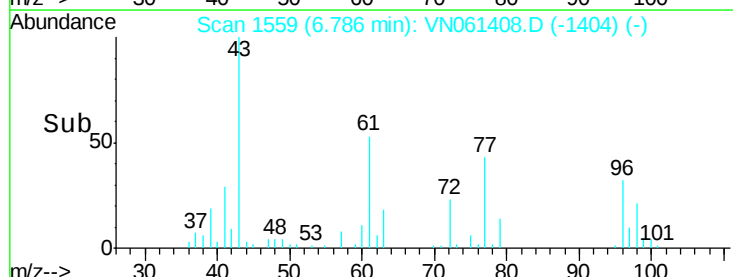
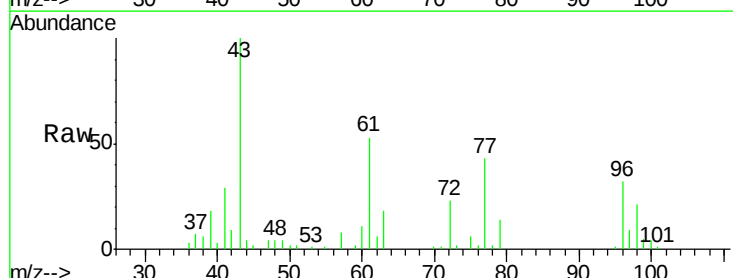
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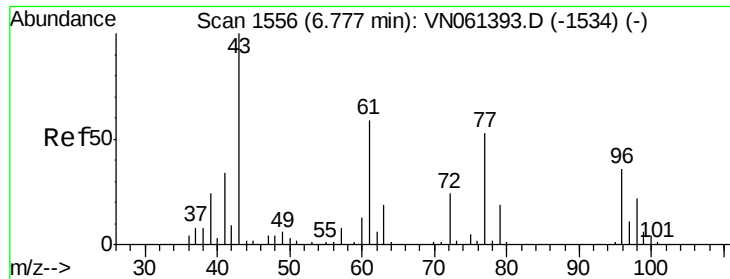
MMDadoda
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#30
 2-Butanone
 Concen: 97.764 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.7	6.5	9.7
72	24.3	20.1	30.1





#31

2,2-Dichloropropane

Concen: 18.083 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 39110

Ion Ratio Lower Upper

77 100

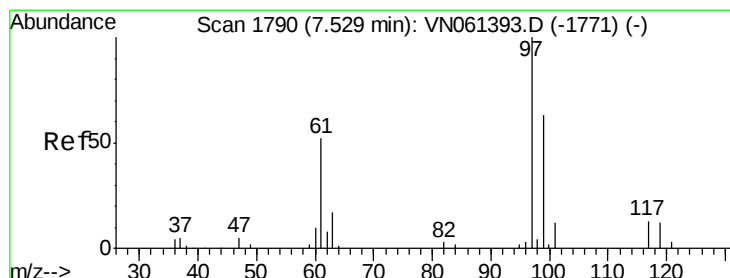
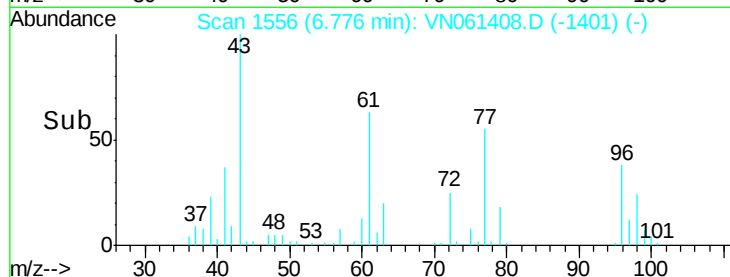
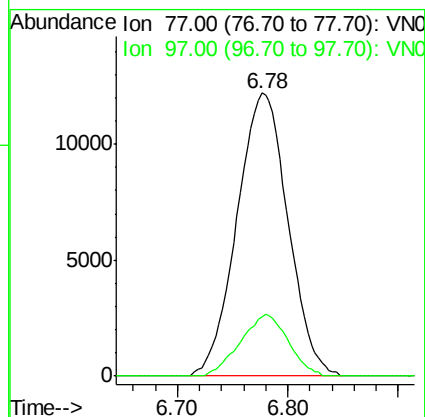
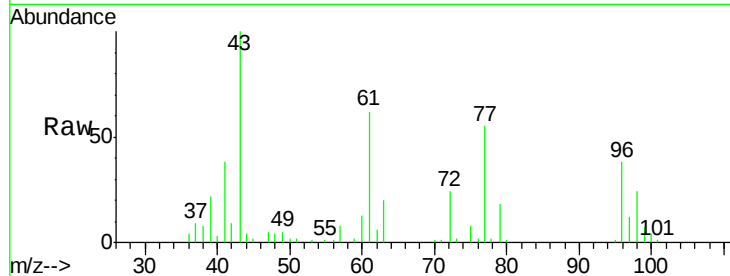
97 20.4 17.9 26.9

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#32

1,1,1-Trichloroethane

Concen: 19.465 ug/l

RT: 7.53 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

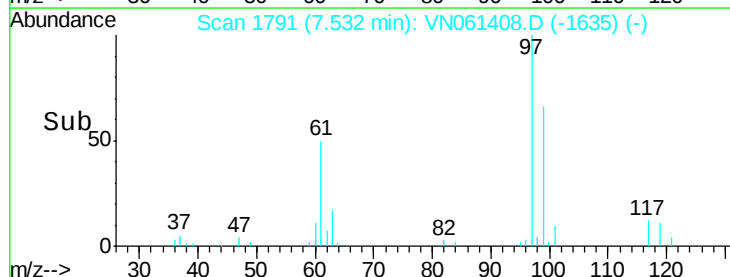
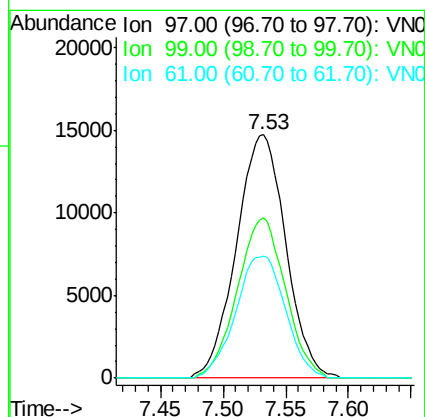
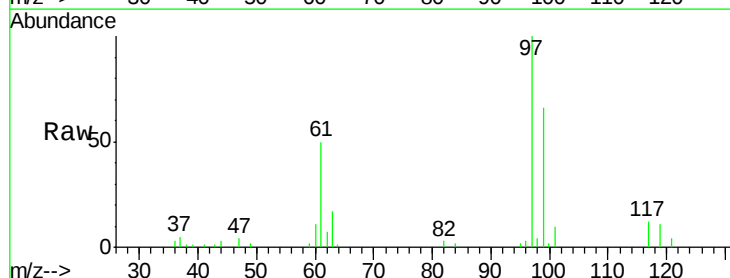
Tgt Ion: 97 Resp: 40318

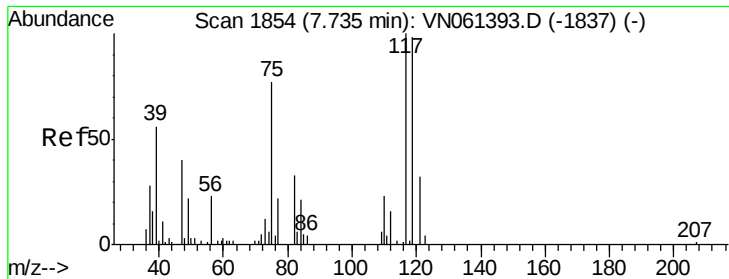
Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 50.5 38.4 57.6





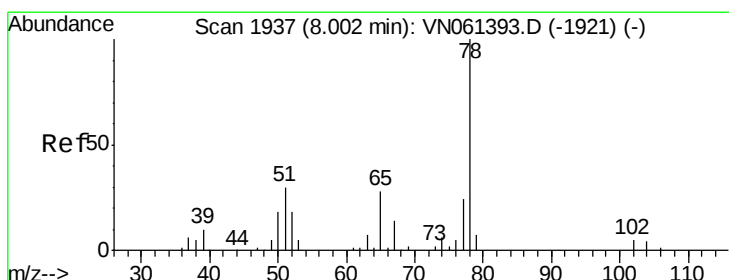
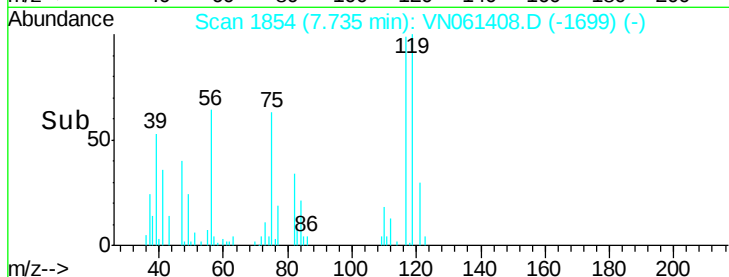
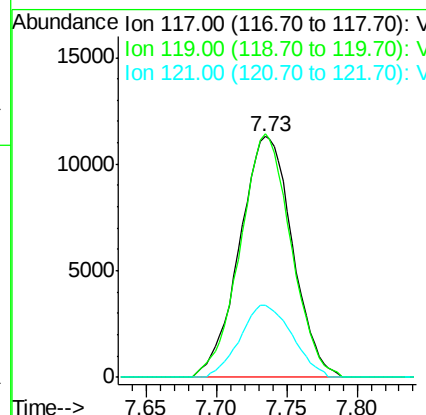
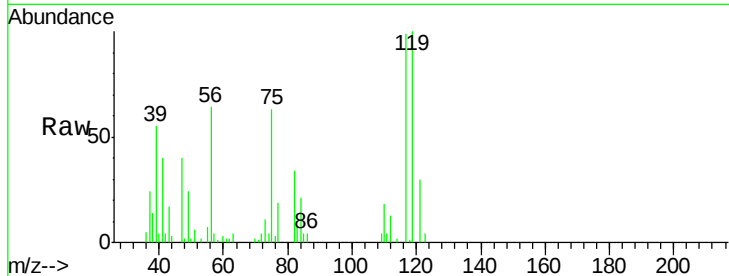
#33
Carbon Tetrachloride
Concen: 18.580 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	101.1	76.9	115.3
121	30.2	23.8	35.8

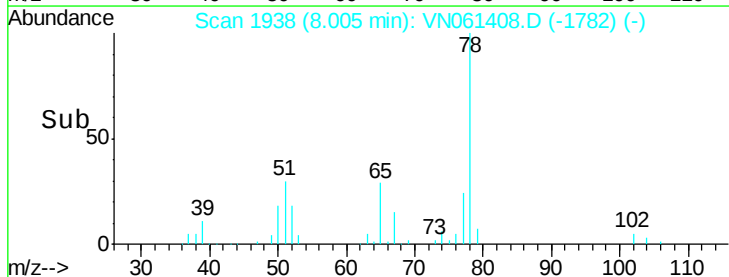
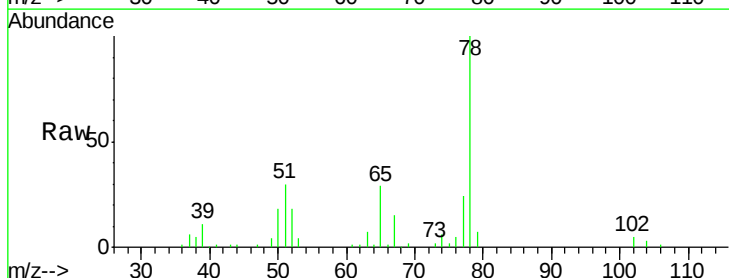
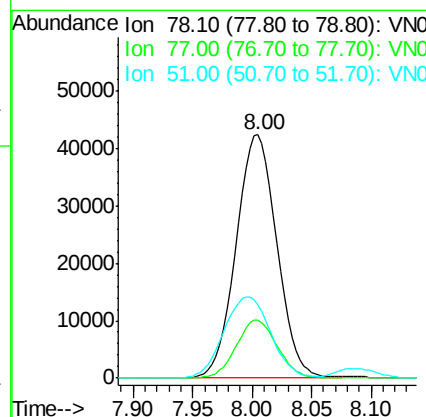
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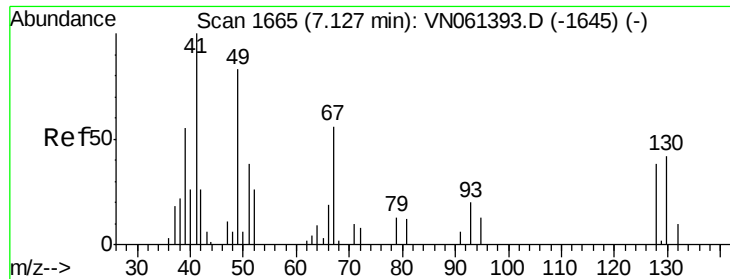
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#34
Benzene
Concen: 19.255 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8
51	29.1	22.1	33.1





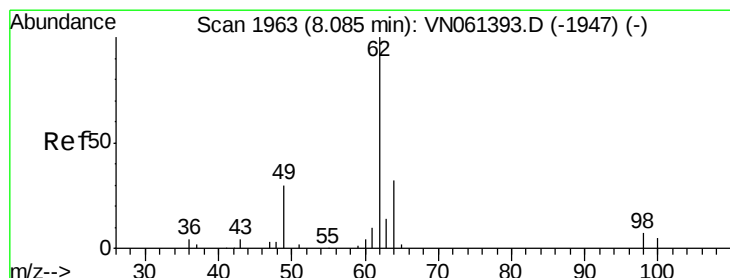
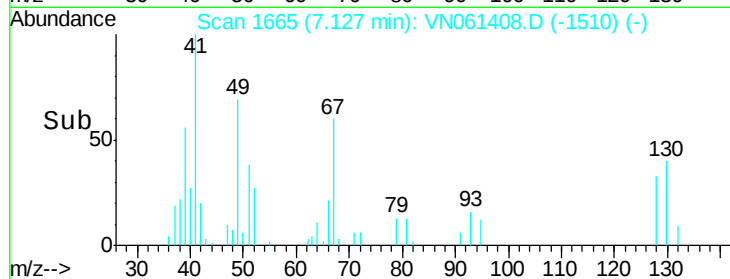
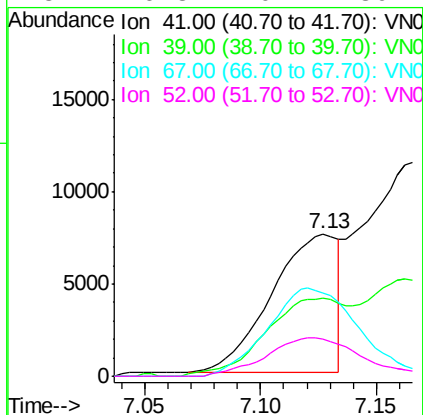
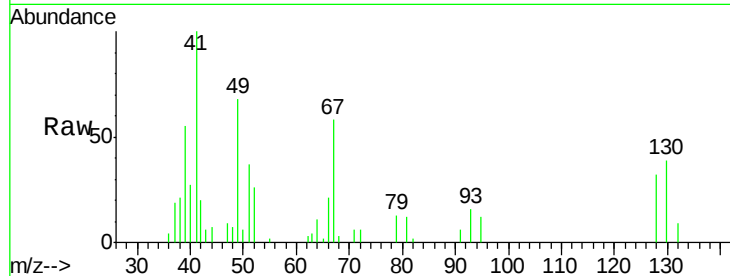
#35
Methacrylonitrile
Concen: 18.901 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41.00	Resp:	14846
Ion Ratio	Lower	Upper	
41	100		
39	53.9	25.8	77.4
67	59.9	23.0	69.0
52	26.8	10.1	30.1

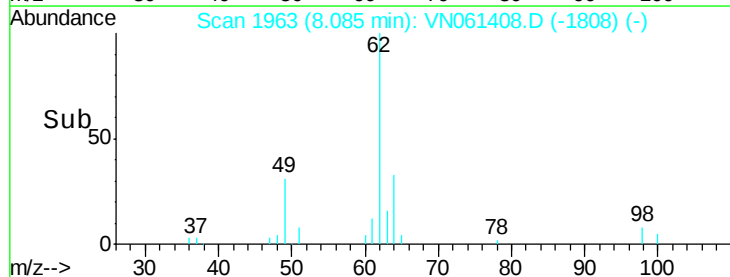
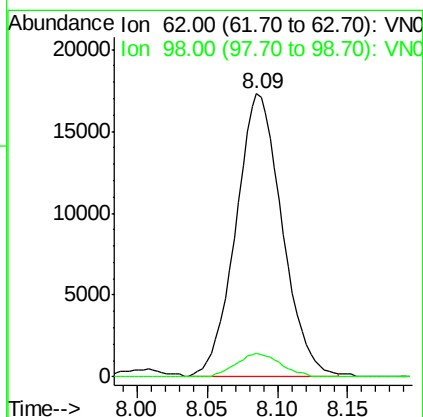
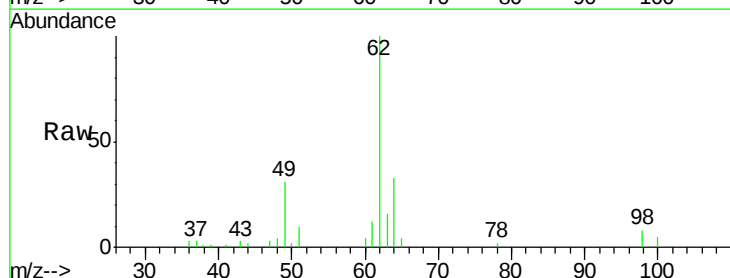
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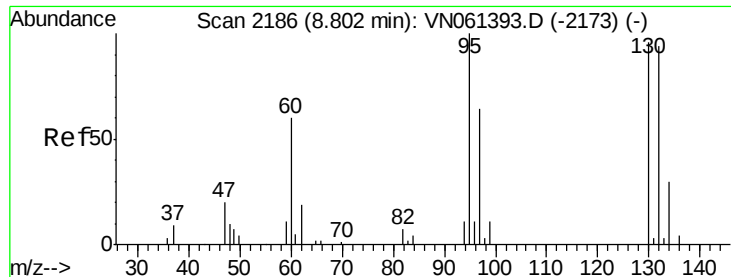
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#36
1,2-Dichloroethane
Concen: 19.782 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion:	62.00	Resp:	39772
Ion Ratio	Lower	Upper	
62	100		
98	7.8	6.4	9.6





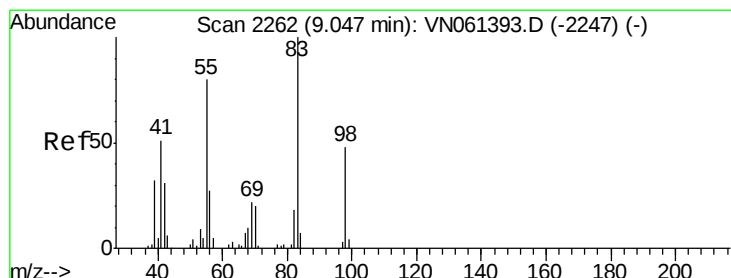
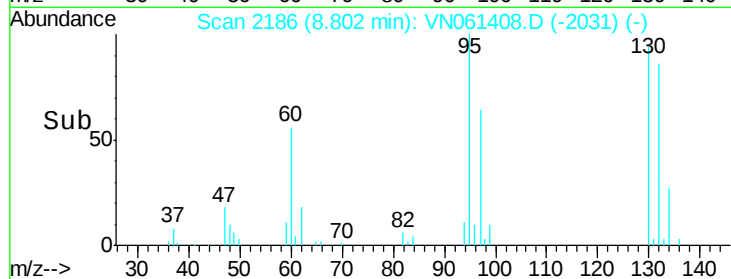
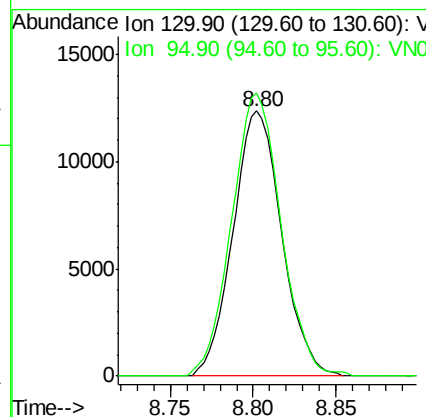
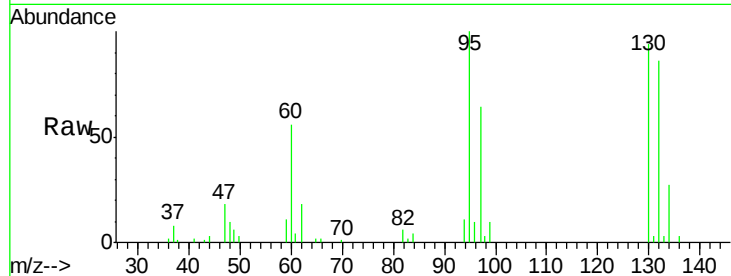
#37
 Trichloroethene
 Concen: 19.581 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 25252
 Ion Ratio Lower Upper
 130 100
 95 105.3 83.2 124.8

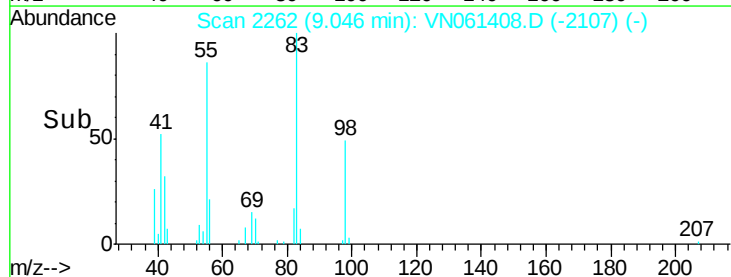
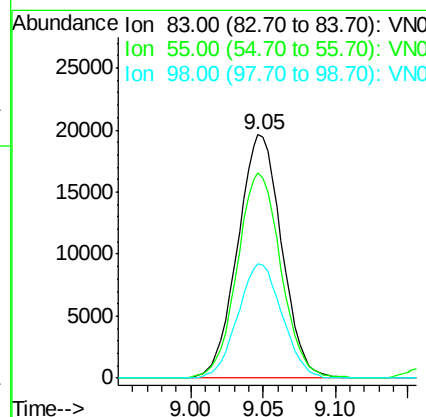
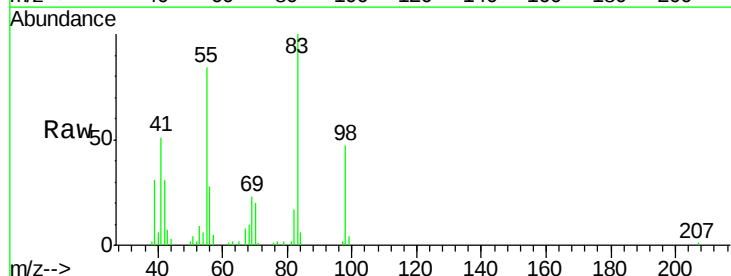
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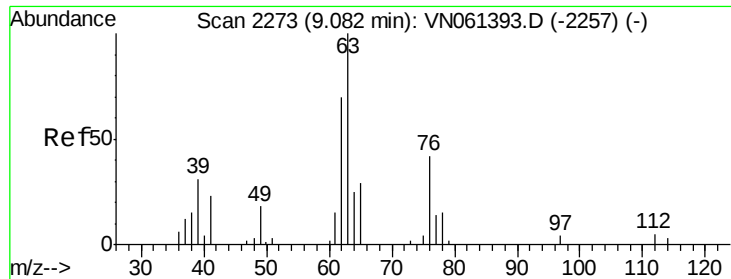
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#38
 Methylcyclohexane
 Concen: 18.612 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Tgt Ion: 83 Resp: 41364
 Ion Ratio Lower Upper
 83 100
 55 83.5 40.4 121.1
 98 47.3 21.6 65.0





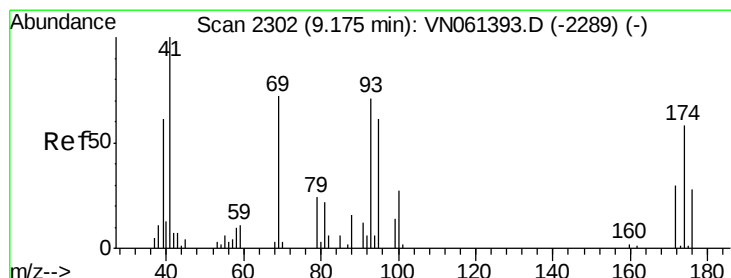
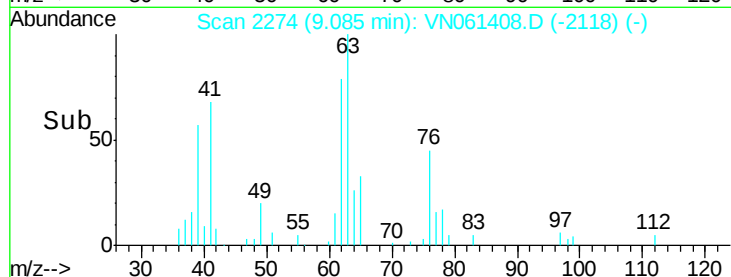
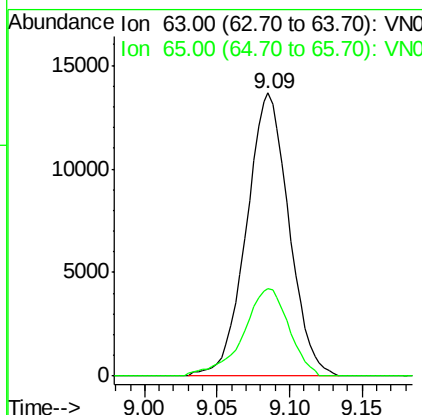
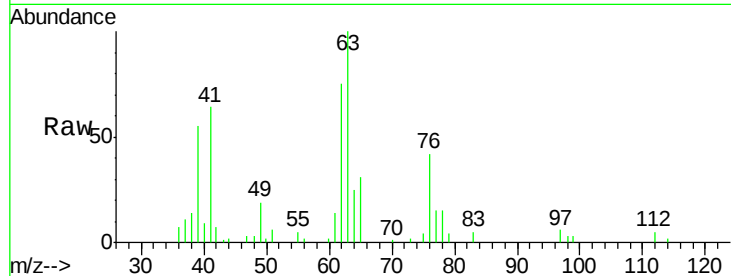
#39
 1,2-Dichloropropane
 Concen: 19.362 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 27878
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.8 35.6

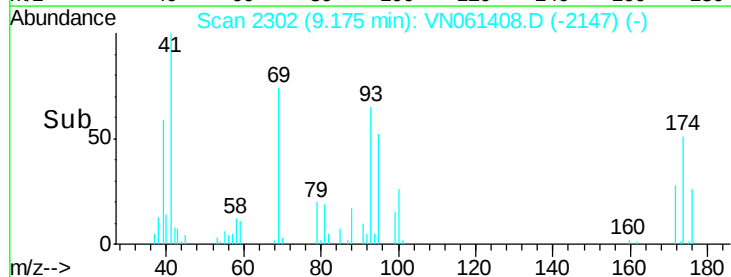
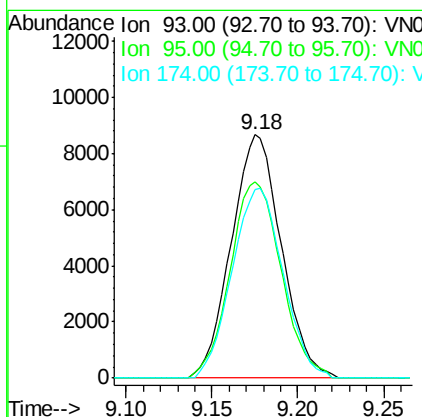
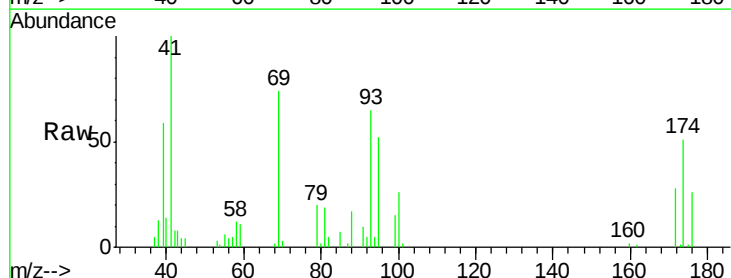
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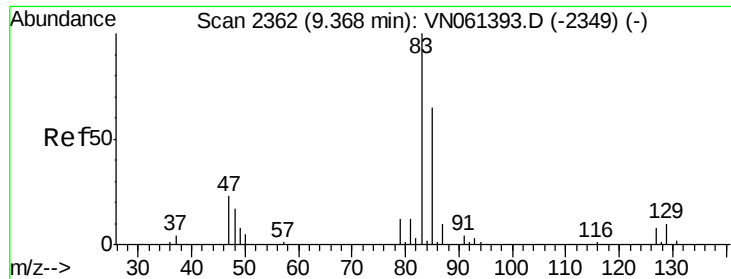
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#40
 Dibromomethane
 Concen: 19.731 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Tgt Ion: 93 Resp: 17547
 Ion Ratio Lower Upper
 93 100
 95 82.0 0.0 167.6
 174 79.3 0.0 187.2





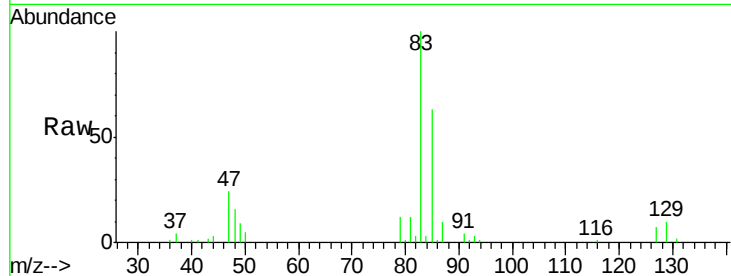
#41
 Bromodichloromethane
 Concen: 19.144 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

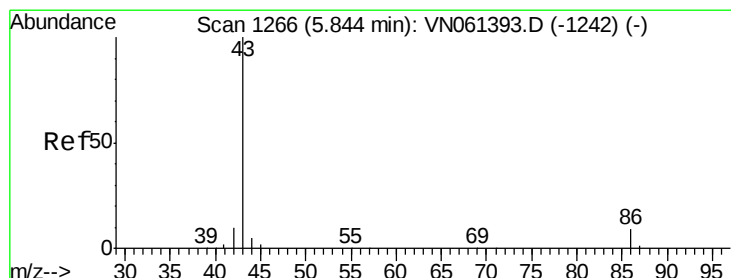
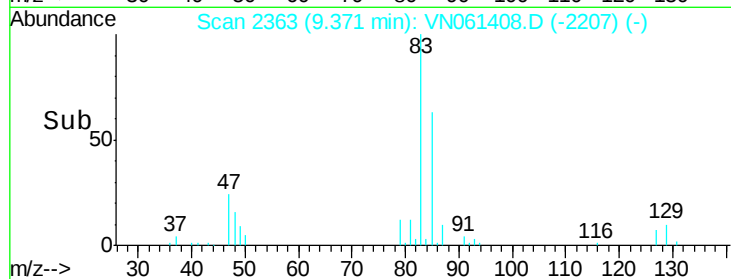
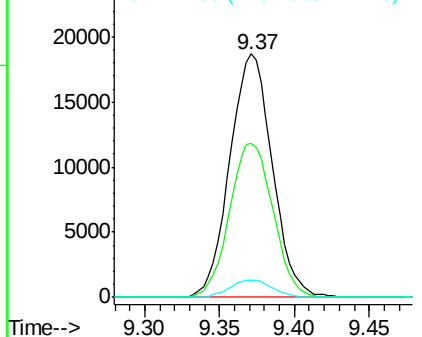
Tot Ion	83	Resp	36935
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	51.0	76.4
127	7.1	6.6	9.8

Manual Integrations
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 5/15/2020 2:11:13 PM

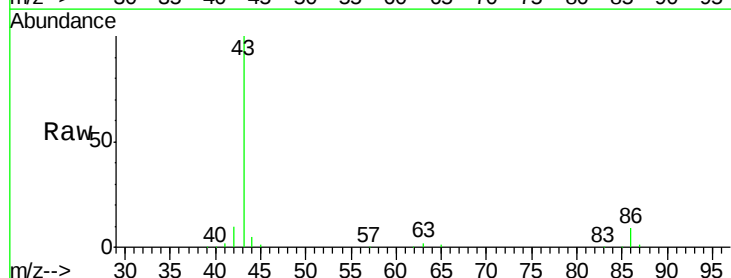


Abundance Ion 83.00 (82.70 to 83.70): VN061408.D (-2207) (-)
 Ion 85.00 (84.70 to 85.70): VN061408.D (-2207) (-)
 Ion 127.00 (126.70 to 127.70): VN061408.D (-2207) (-)

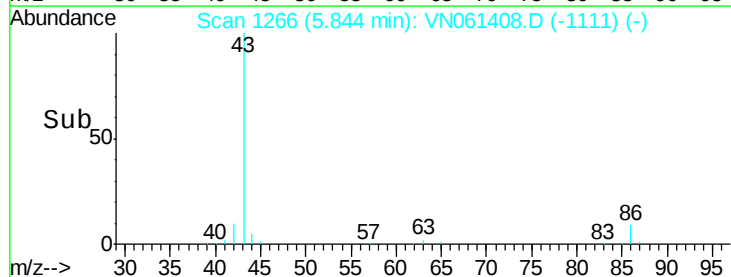
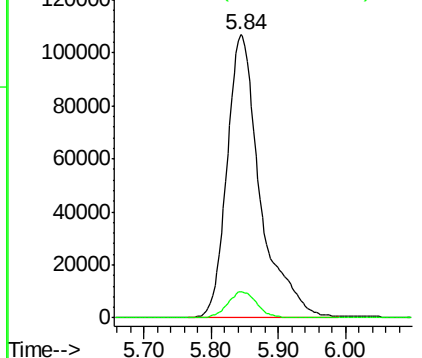


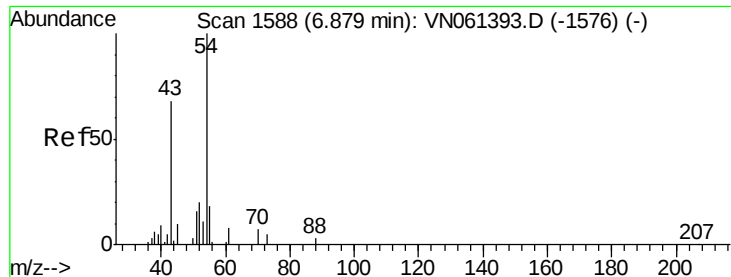
#42
 Vinyl Acetate
 Concen: 98.100 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Tgt Ion	43	Resp	364829
Ion Ratio	100	Lower	Upper
43	100		
86	8.2	6.5	9.7



Abundance Ion 43.00 (42.70 to 43.70): VN061408.D (-1111) (-)
 Ion 86.00 (85.70 to 86.70): VN061408.D (-1111) (-)





#43

Ethyl Acetate

Concen: 19.907 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 33300

Ion Ratio Lower Upper

43 100

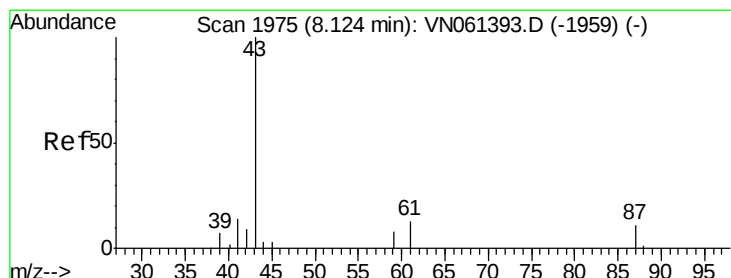
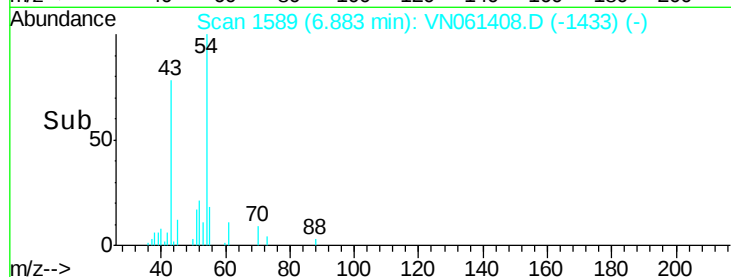
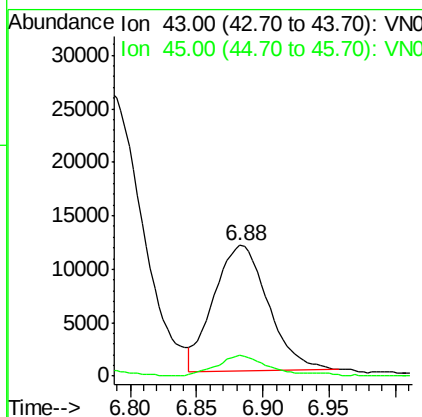
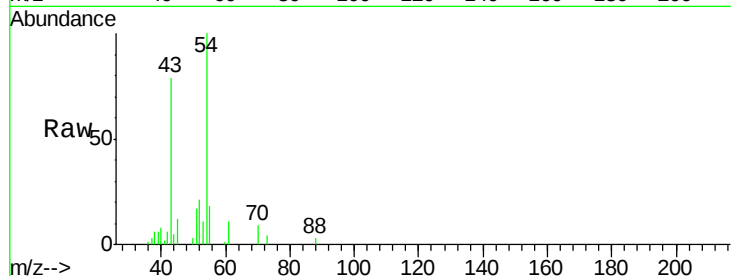
45 15.7 9.7 14.5#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 19.678 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061408.D

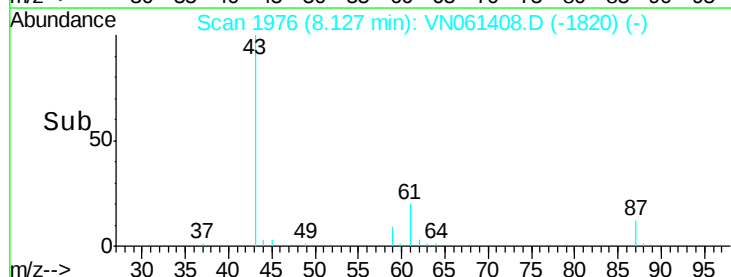
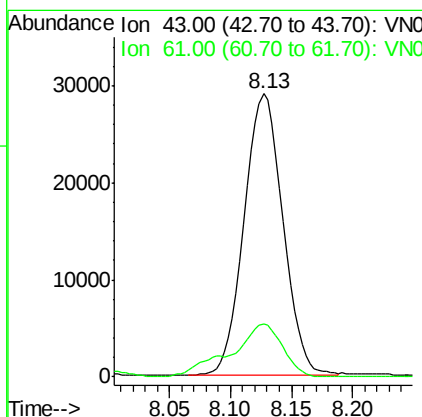
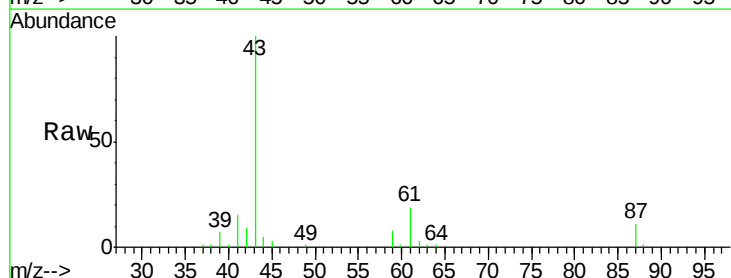
Acq: 14 May 2020 21:34

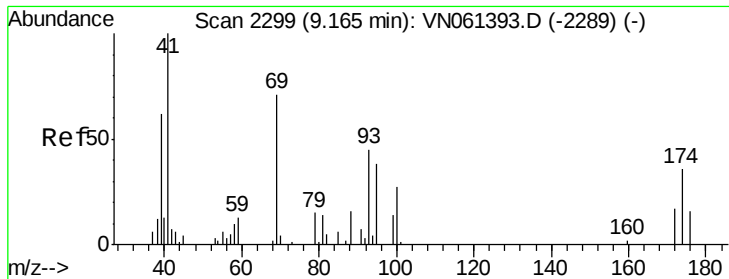
Tgt Ion: 43 Resp: 63910

Ion Ratio Lower Upper

43 100

61 18.5 19.9 29.9#





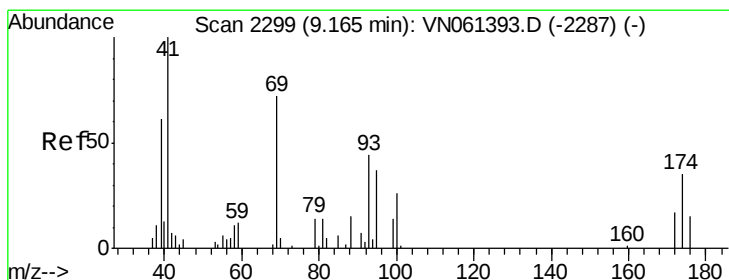
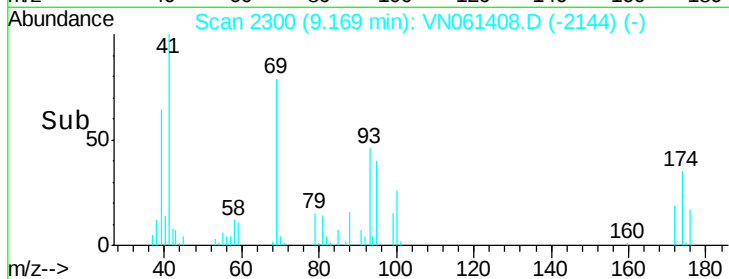
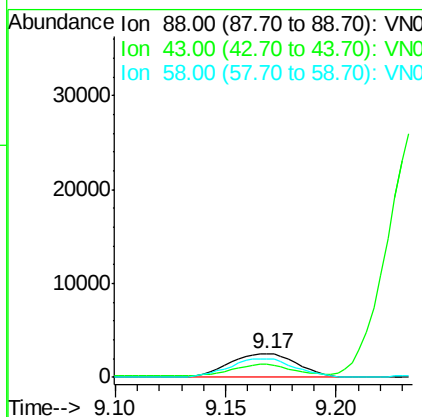
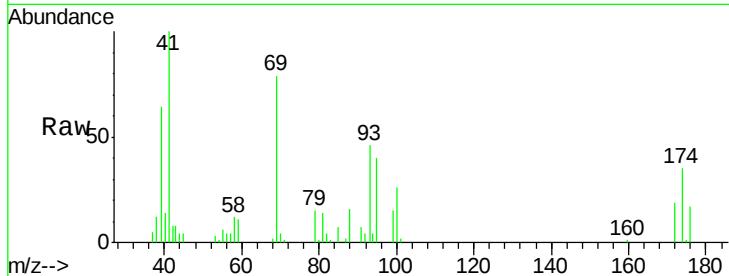
#45
1,4-Dioxane
Concen: 415.702 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	29.8	44.8
58	76.7	58.2	87.4

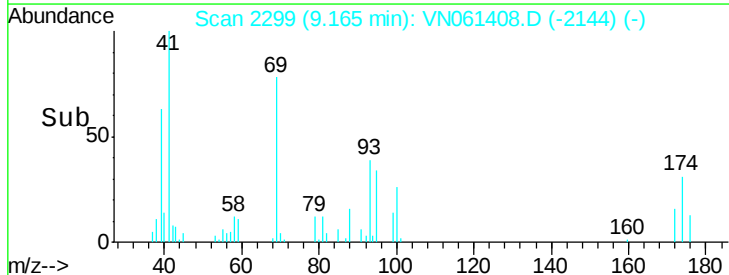
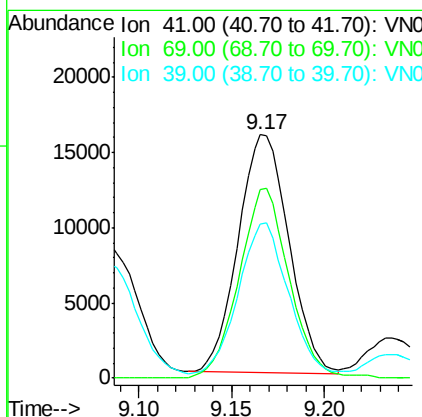
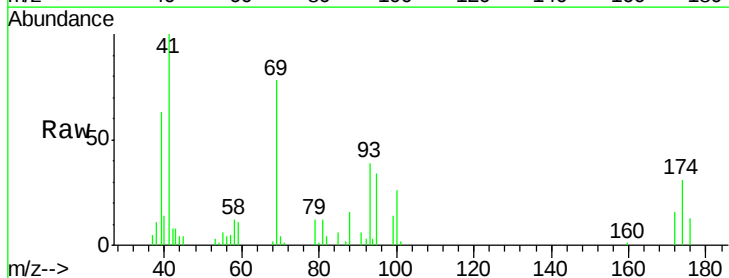
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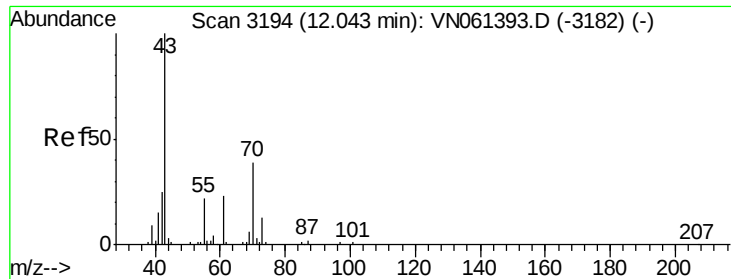
MMDadoda
5/15/2020 2:11:13 PM



#46
Methyl methacrylate
Concen: 19.657 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.6	40.2	120.5
39	63.2	29.9	89.8





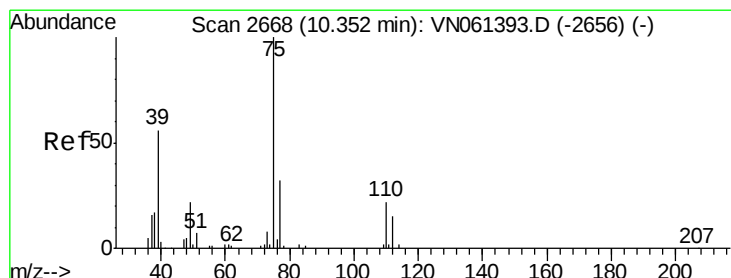
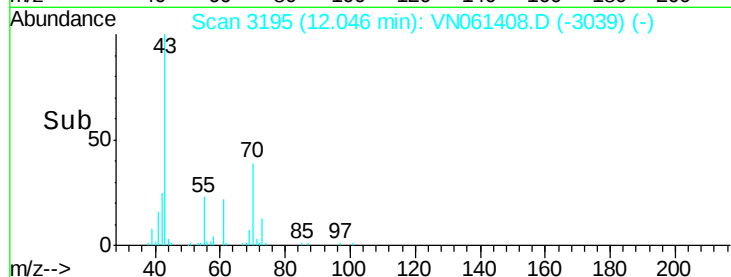
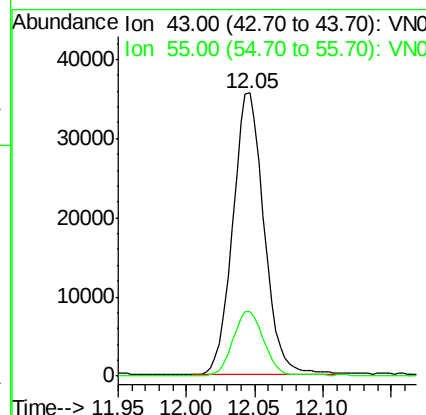
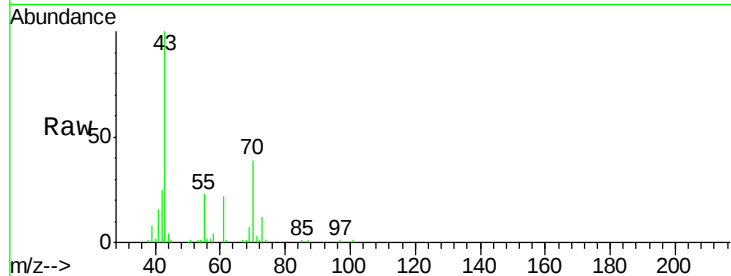
#47
n-amvl Acetate
Concen: 19.522 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
55	22.8	19.6	29.4

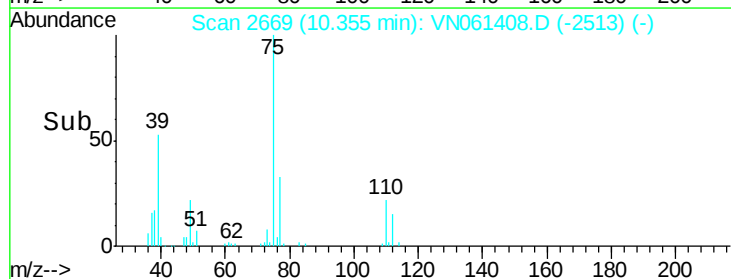
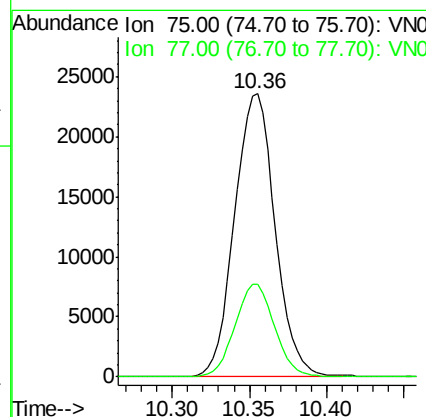
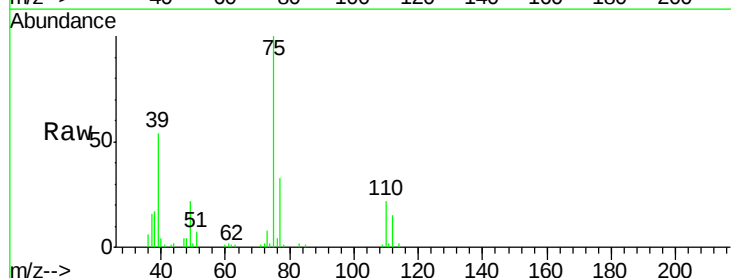
Manual Integrations
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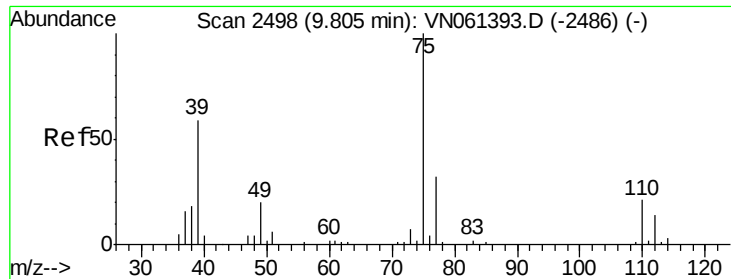
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 18.833 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	27.0	40.4





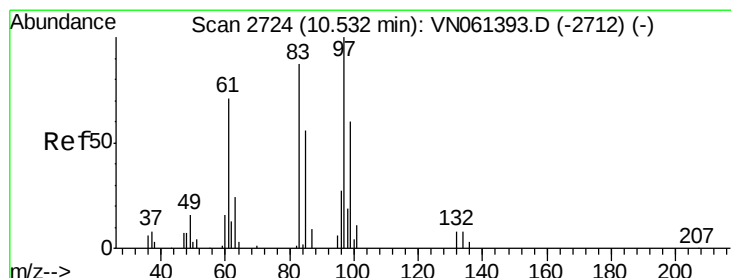
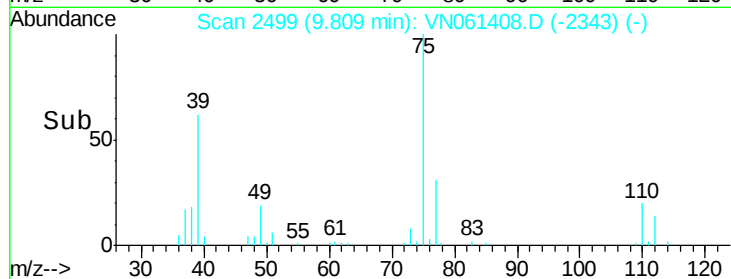
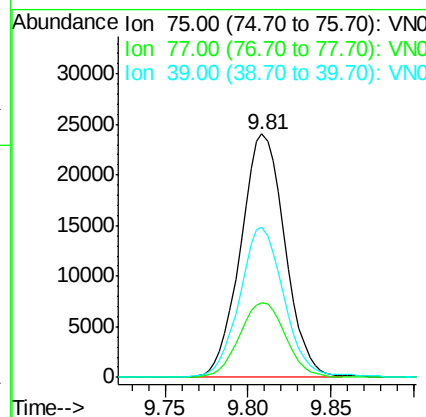
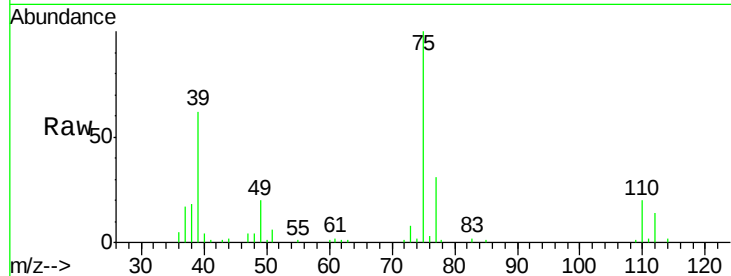
#49
 cis-1,3-Dichloropropene
 Concen: 18.640 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.1	39.1
39	60.9	43.1	64.7

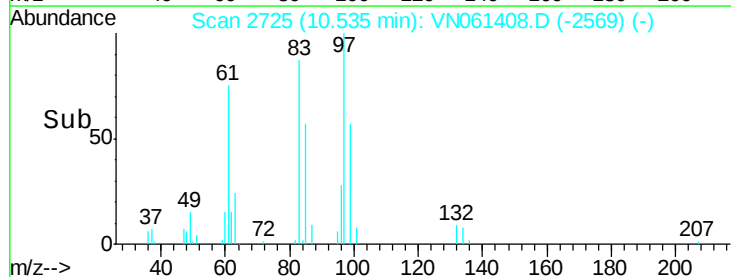
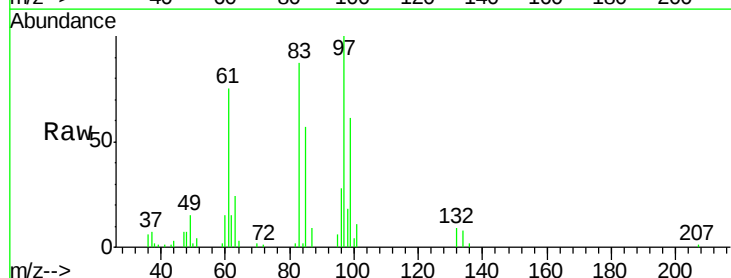
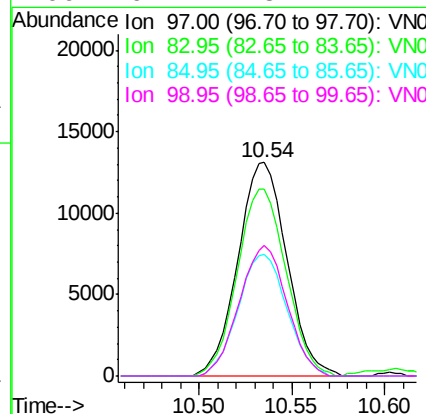
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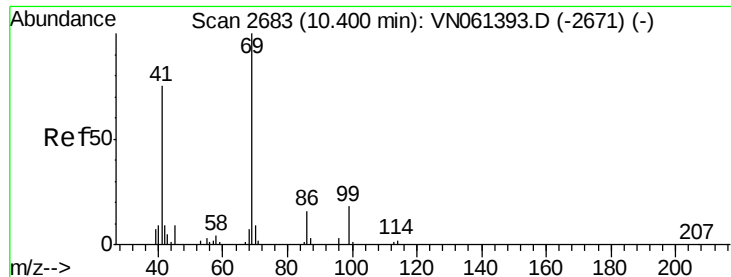
MMDadoda
 5/15/2020 2:11:13 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.544 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.7	106.1
85	57.1	45.1	67.7
99	61.1	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.331 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

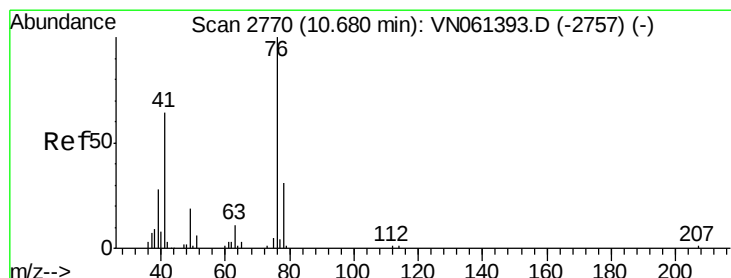
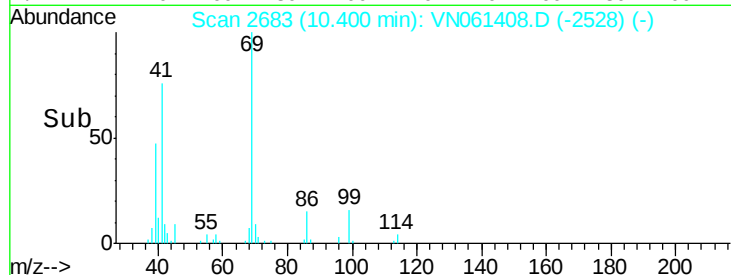
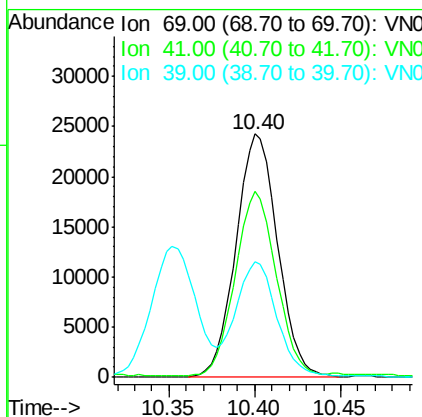
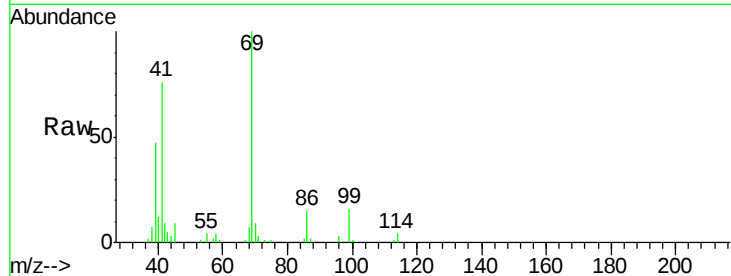
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	40952
Ion	Ratio	Lower	Upper
69	100		
41	75.4	34.7	104.1
39	46.7	20.3	60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.666 ug/l

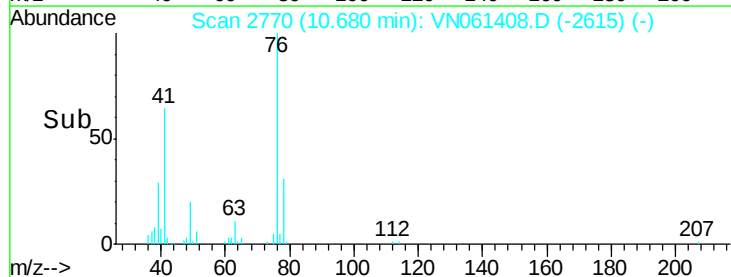
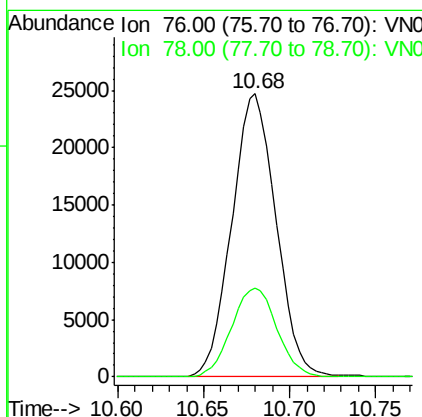
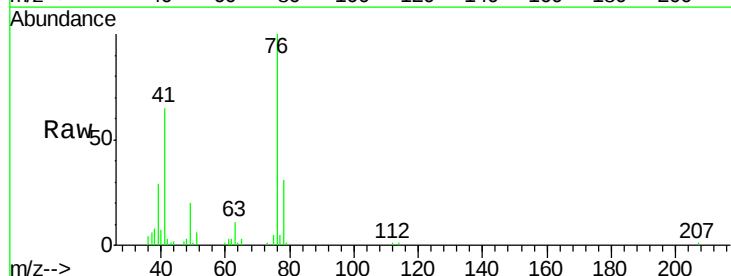
RT: 10.68 min Scan# 2770

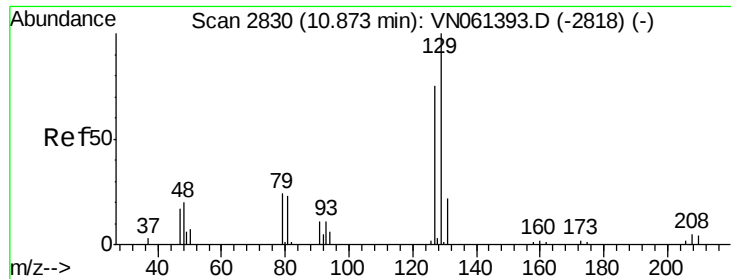
Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Tgt Ion:	76	Resp:	44157
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	63.2





#53

Dibromochloromethane

Concen: 18.510 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 24939

Ion Ratio Lower Upper

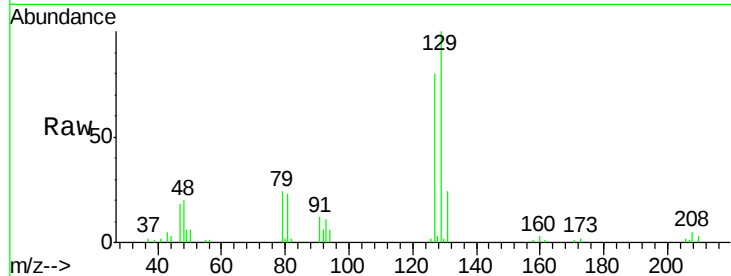
129 100

127 77.7 39.1 117.5

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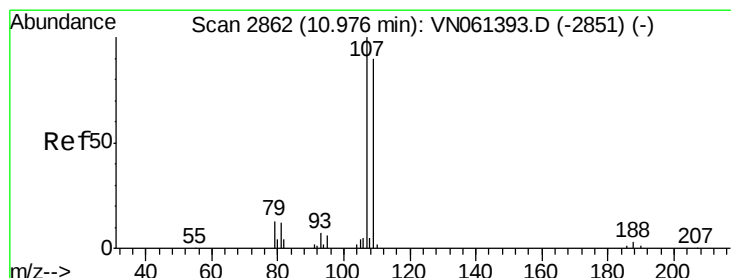
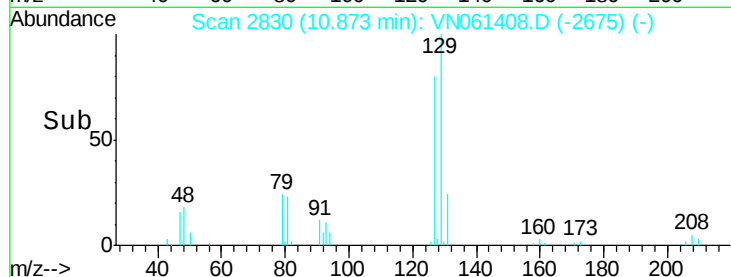
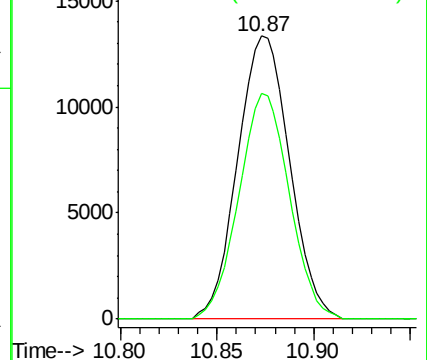
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.032 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061408.D

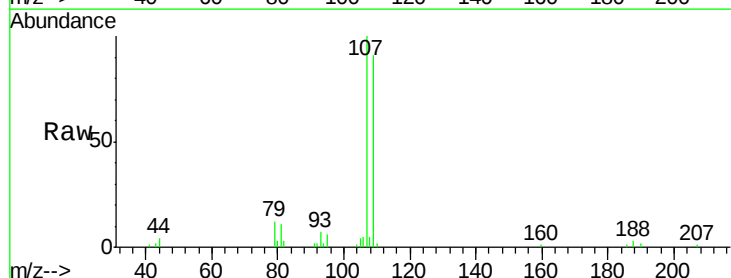
Acq: 14 May 2020 21:34

Tgt Ion:107 Resp: 24148

Ion Ratio Lower Upper

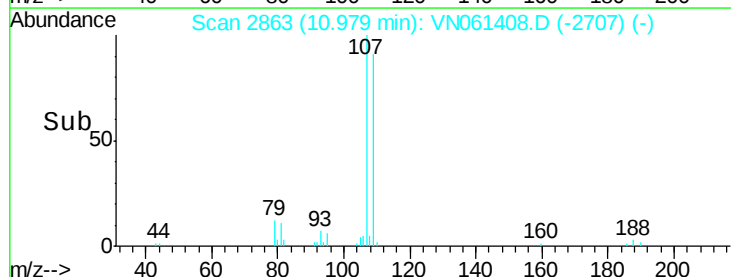
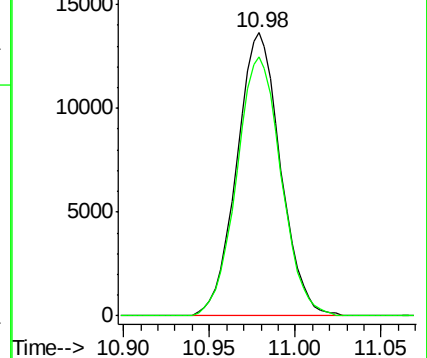
107 100

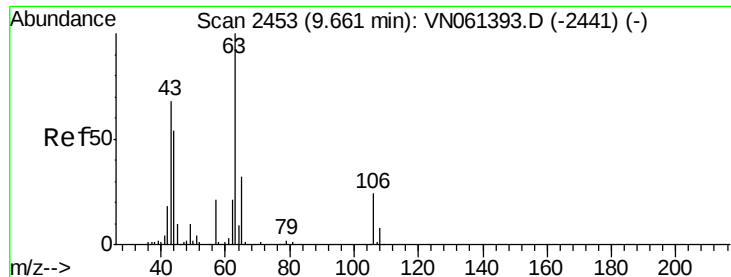
109 93.3 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 98.835 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

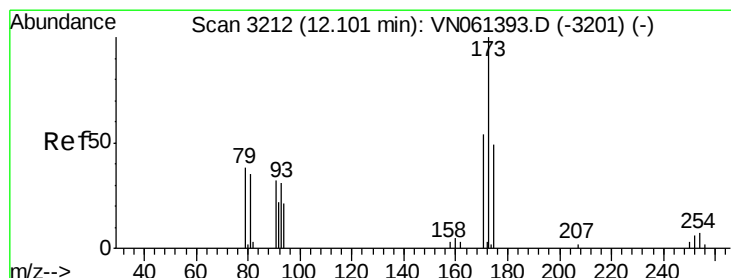
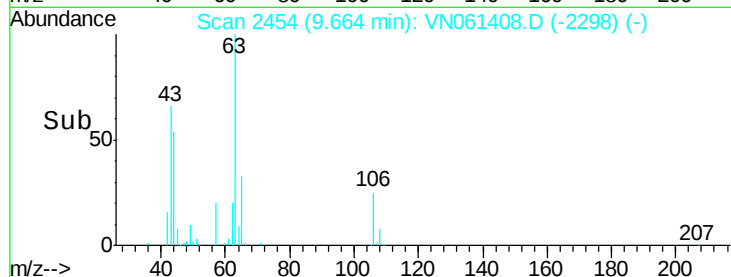
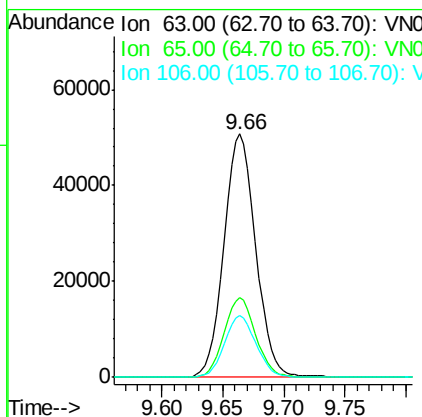
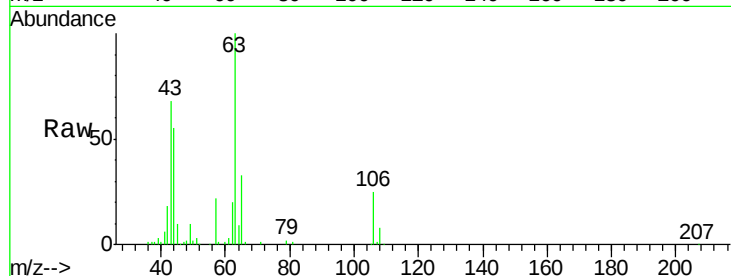
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	92666
Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.3	37.9
106	25.0	19.8	29.6

Manual Integrations
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#56

Bromoform

Concen: 18.202 ug/l

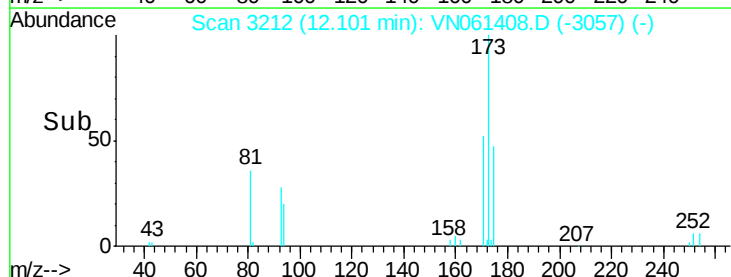
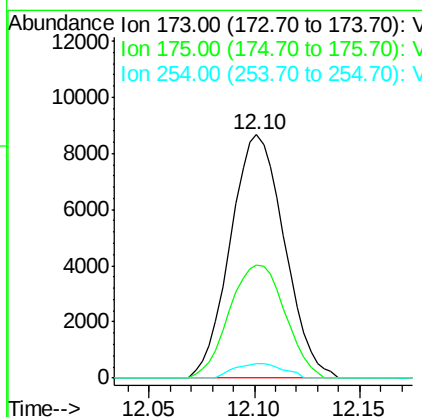
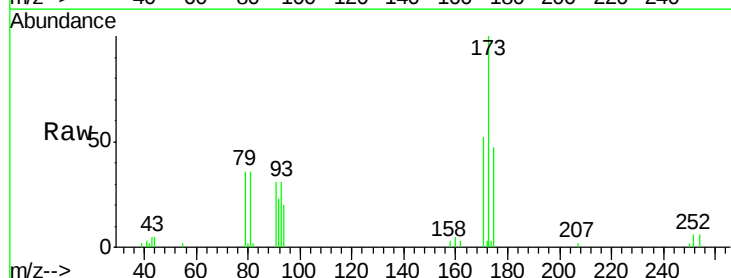
RT: 12.10 min Scan# 3212

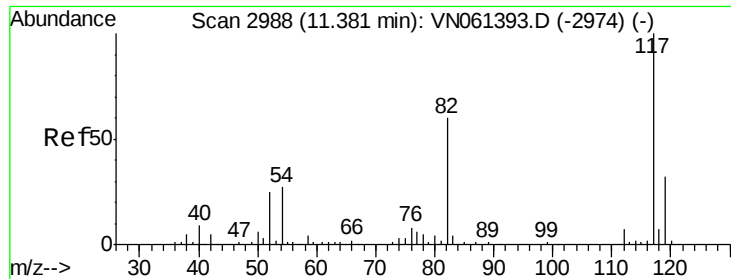
Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Tgt Ion:	173	Resp:	15423
Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.7	58.1
254	5.5	7.4	11.2#





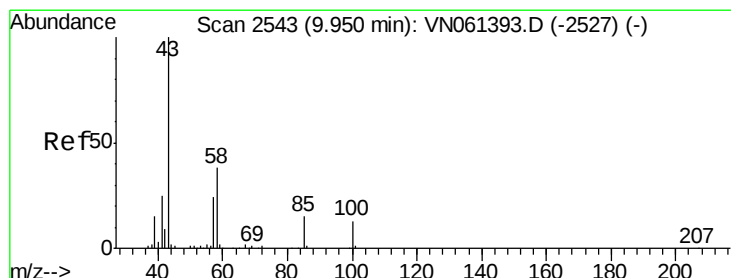
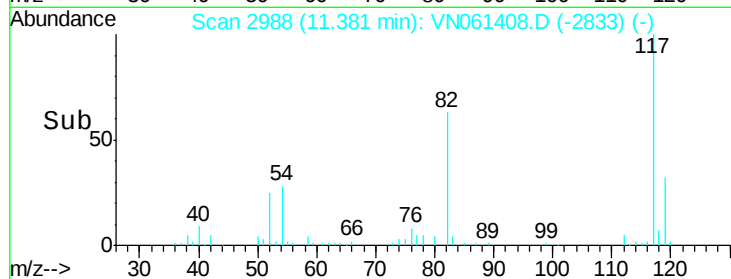
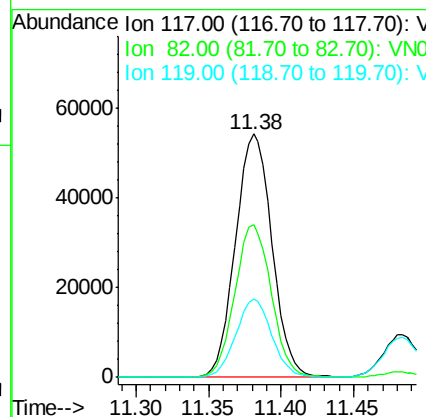
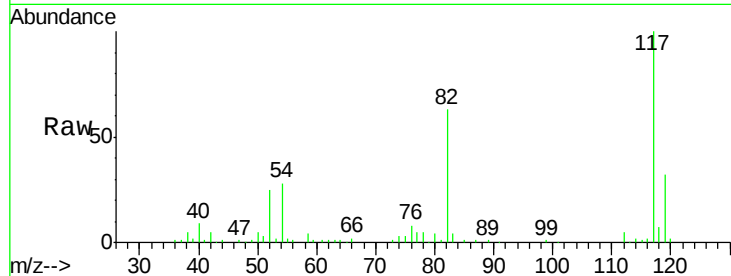
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.5	46.9	70.3
119	31.6	25.8	38.6

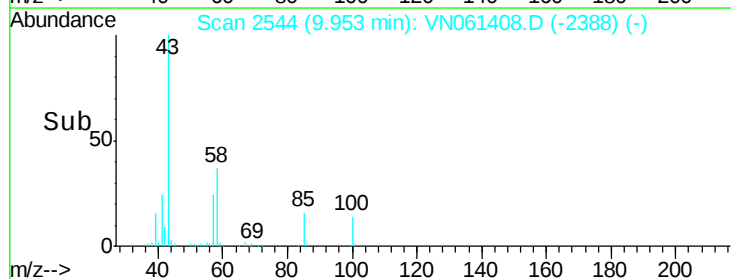
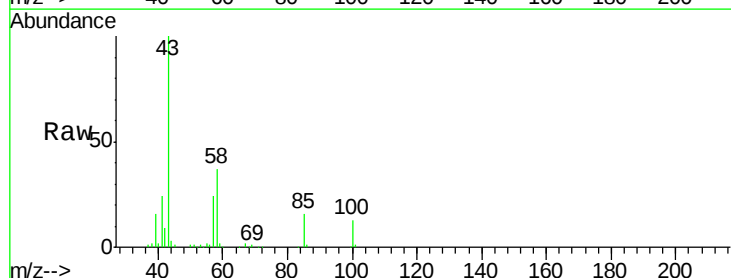
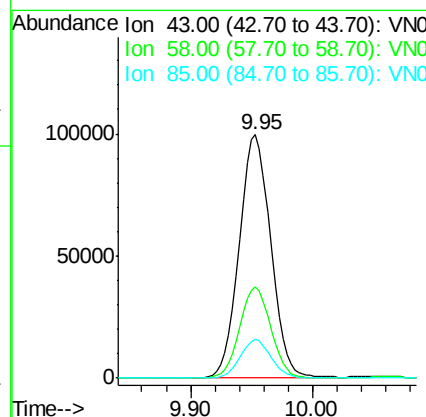
Manual Integrations
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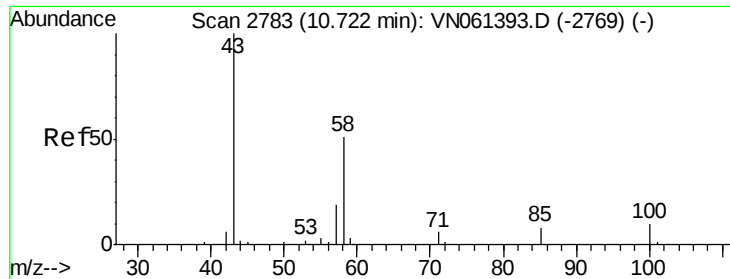
MMDadoda
5/15/2020 2:11:13 PM



#58
4-Methyl-2-Pentanone
Concen: 103.078 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.1	45.1
85	15.4	13.2	19.8





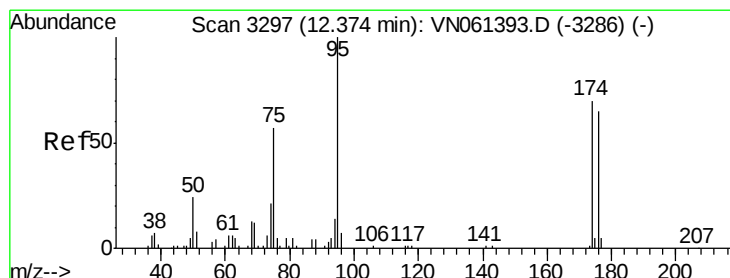
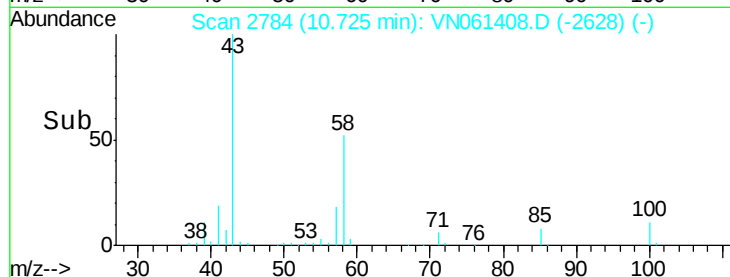
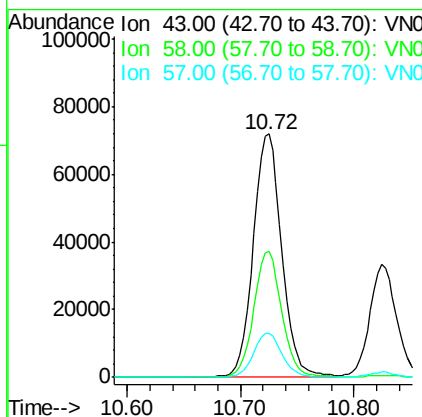
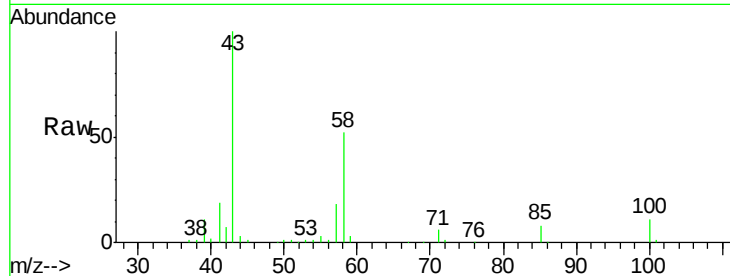
#59
2-Hexanone
Concen: 102.790 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.8	41.4	62.0
57	18.0	14.7	22.1

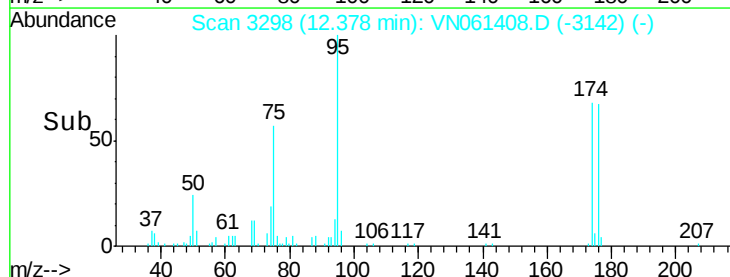
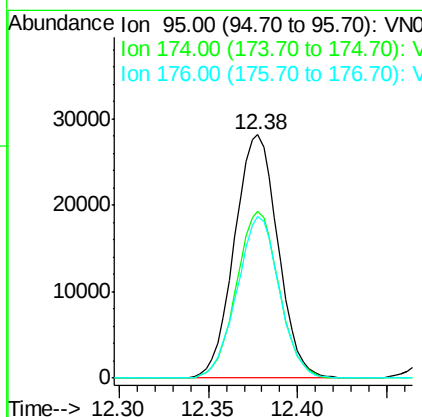
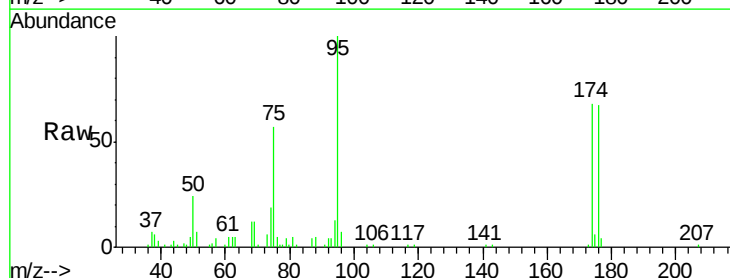
Manual Integrations
APPROVED

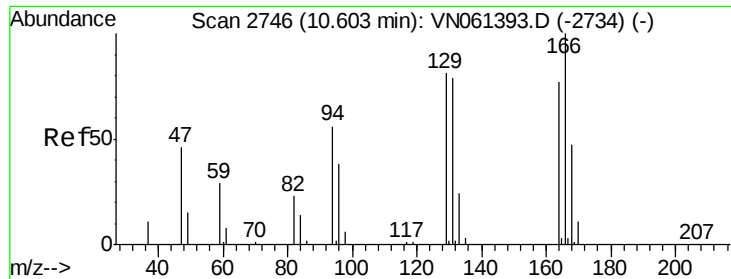
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.461 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.1	59.9	89.9
176	64.7	58.3	87.5





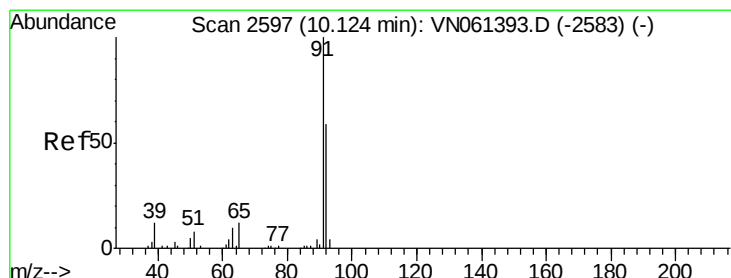
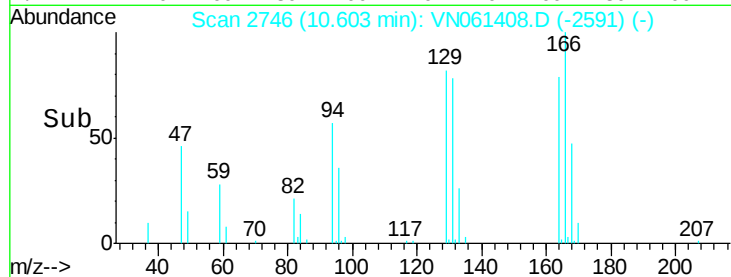
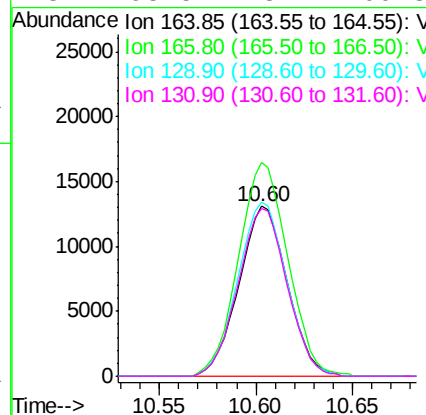
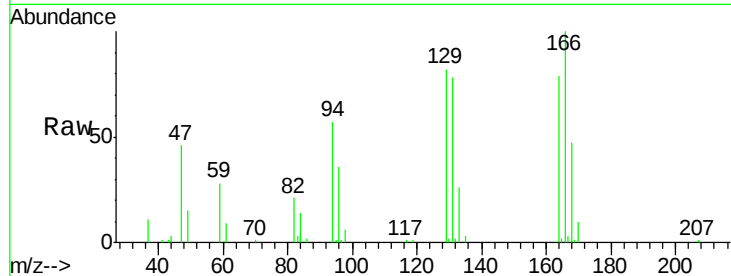
#61
Tetrachloroethene
Concen: 19.175 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.4	152.2
129	102.6	78.1	117.1
131	98.5	73.2	109.8

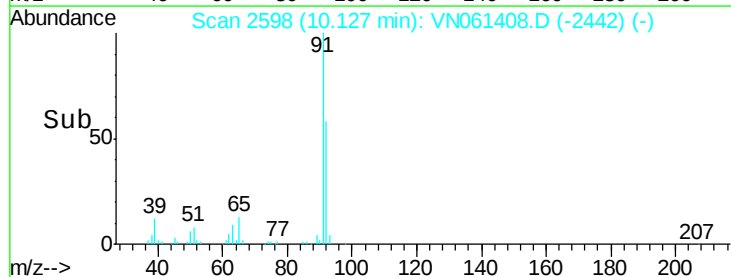
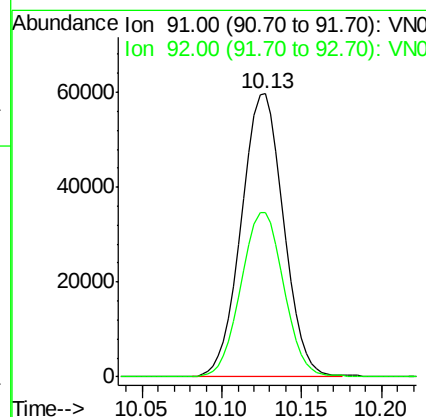
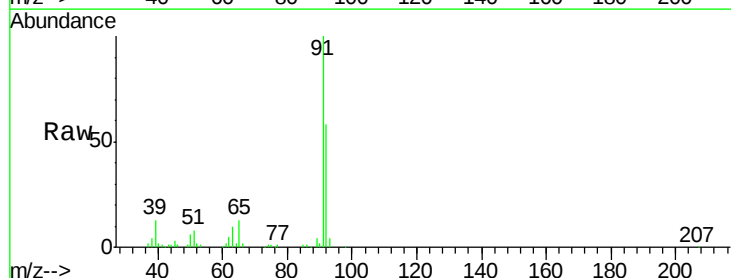
Manual Integrations
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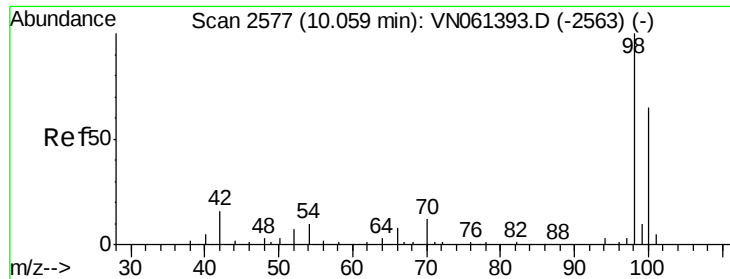
MMDadoda
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#62
Toluene
Concen: 19.488 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	45.4	68.2





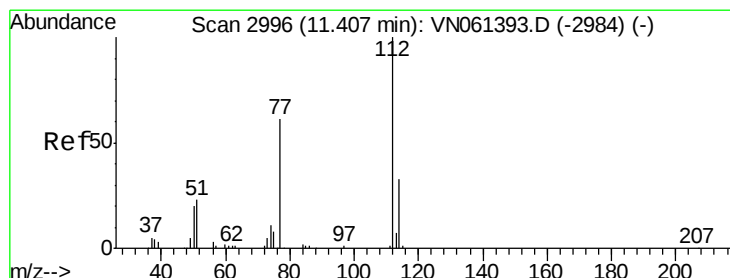
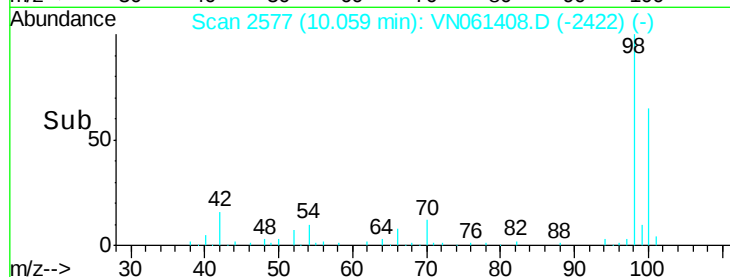
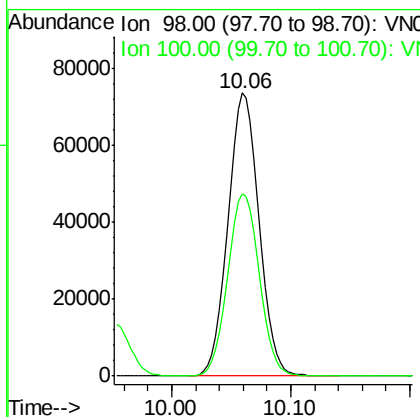
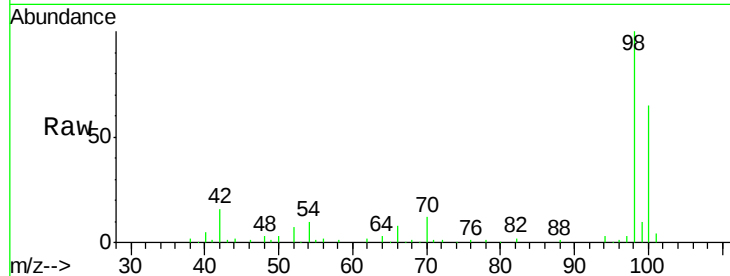
#63
Toluene-d8
Concen: 30.193 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 133221
Ion Ratio Lower Upper
98 100
100 65.7 50.6 75.8

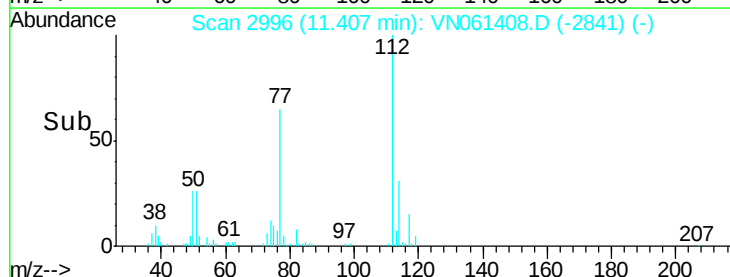
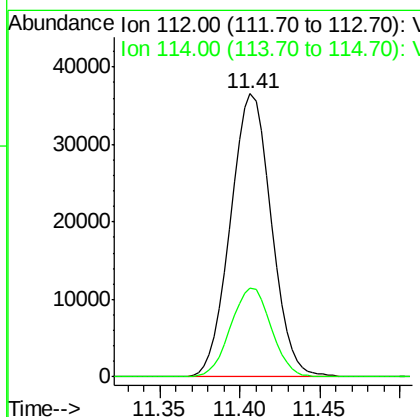
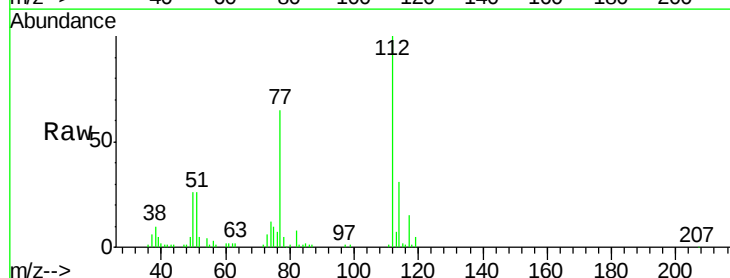
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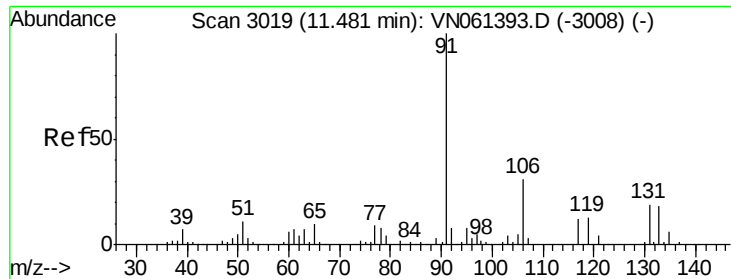
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#64
Chlorobenzene
Concen: 19.495 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion: 112 Resp: 63759
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5





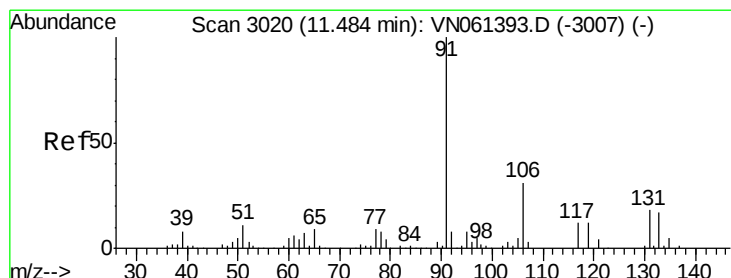
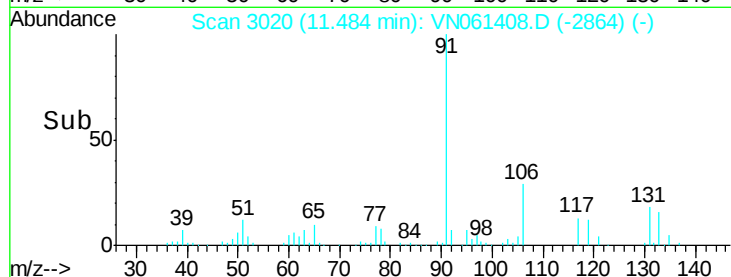
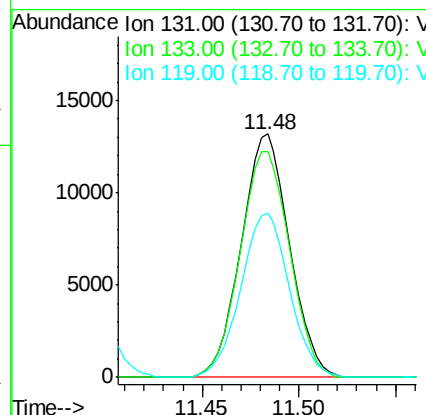
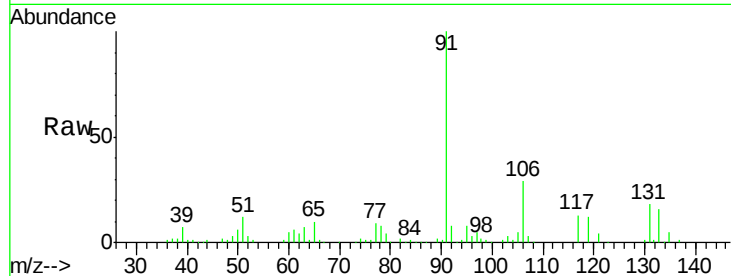
#65
1,1,1,2-Tetrachloroethane
Concen: 19.167 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
131	100	22905		
133	94.8	0.0	194.0	
119	68.1	0.0	136.8	

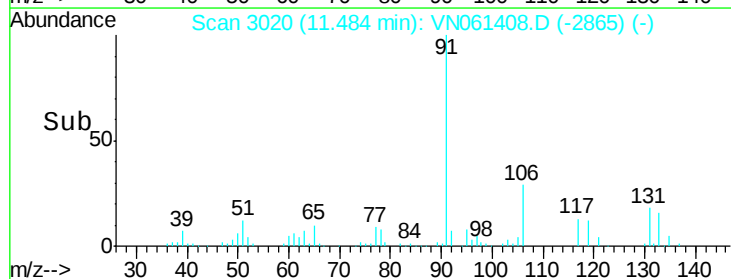
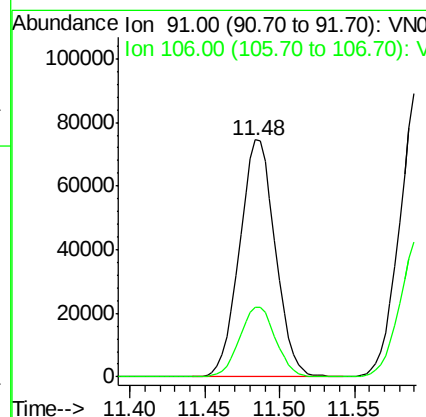
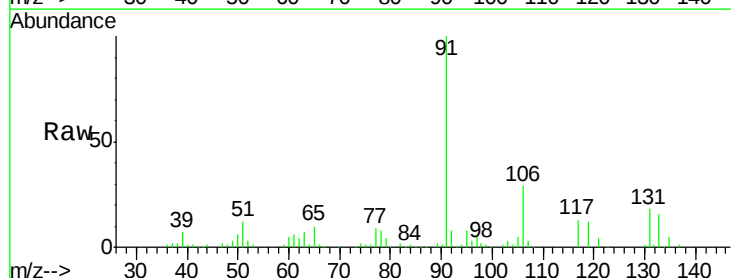
Manual Integrations
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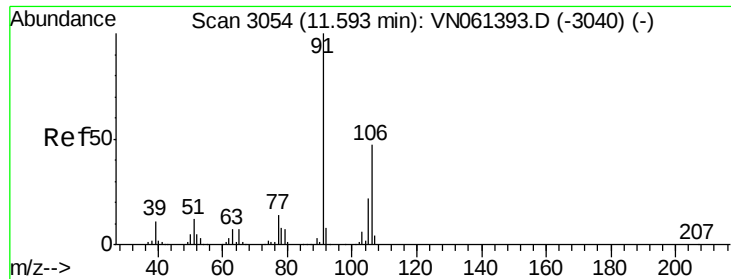
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#66
Ethyl Benzene
Concen: 19.604 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	124312		
106	29.4	24.2	36.4	





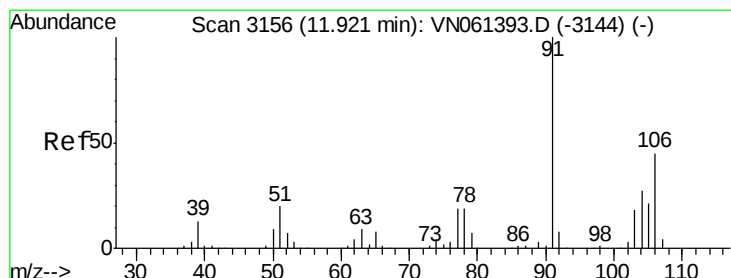
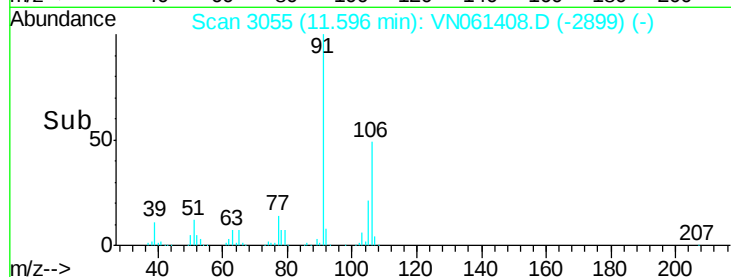
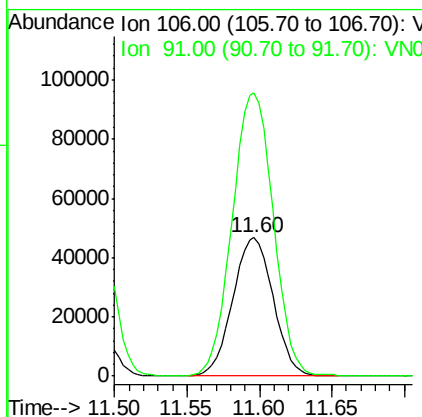
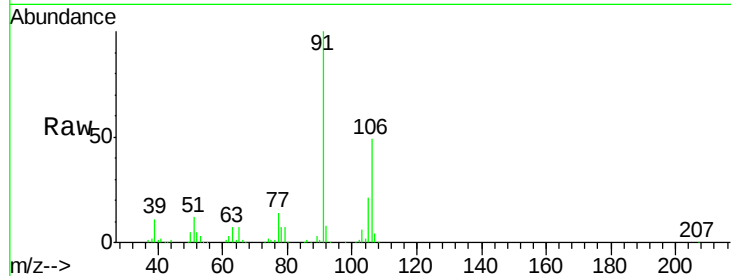
#67
m/p-Xvlenes
Concen: 38.706 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 90636
Ion Ratio Lower Upper
106 100
91 207.8 165.6 248.4

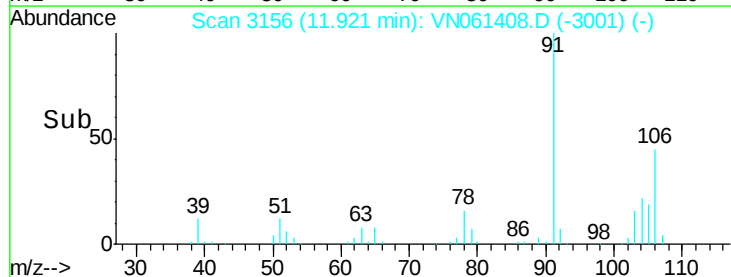
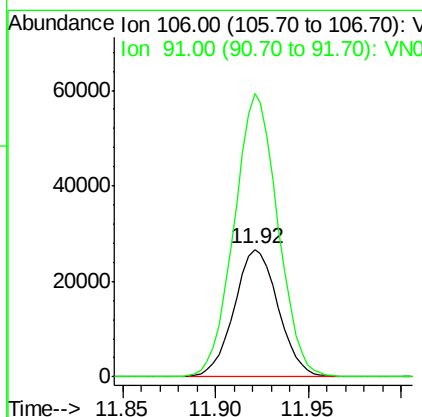
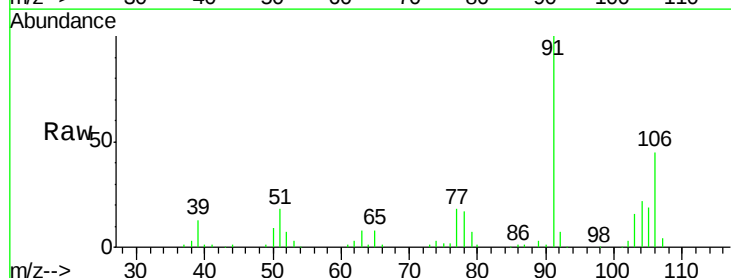
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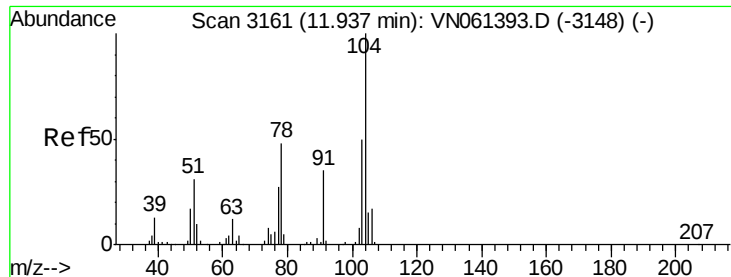
MMDadoda
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#68
o-Xylene
Concen: 19.700 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion:106 Resp: 44027
Ion Ratio Lower Upper
106 100
91 220.3 109.8 329.4





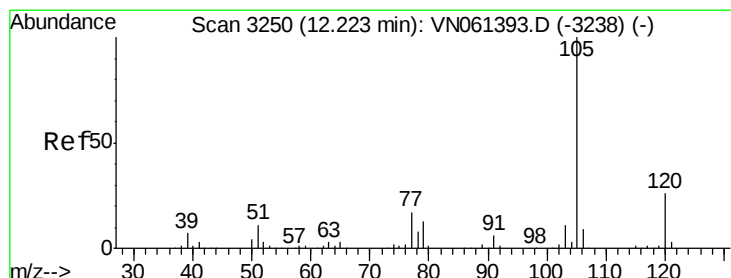
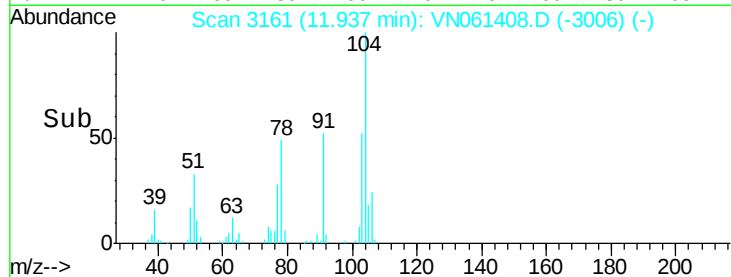
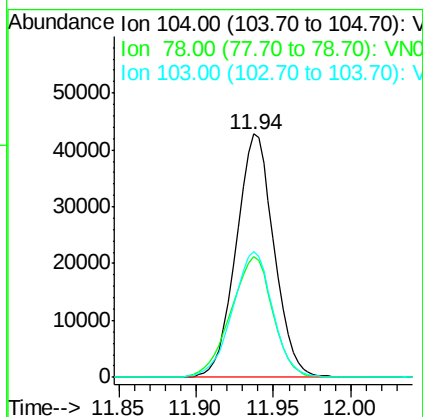
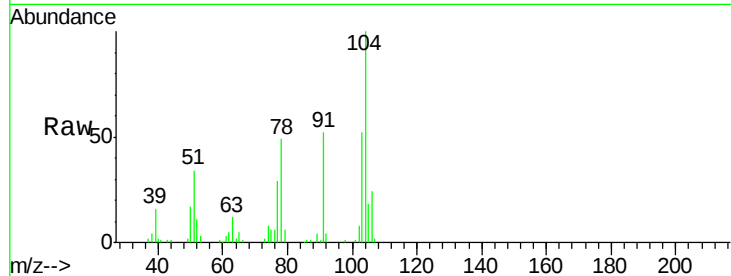
#69
Stvrene
Concen: 18.910 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.2	42.4	63.6
103	54.8	44.6	66.8

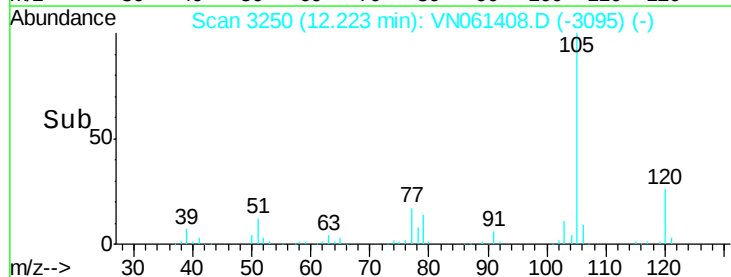
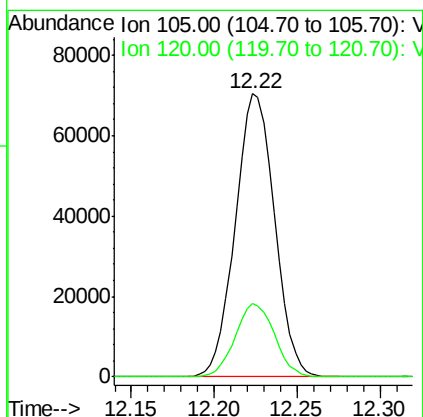
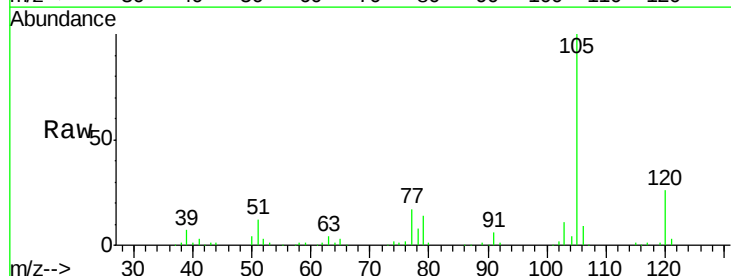
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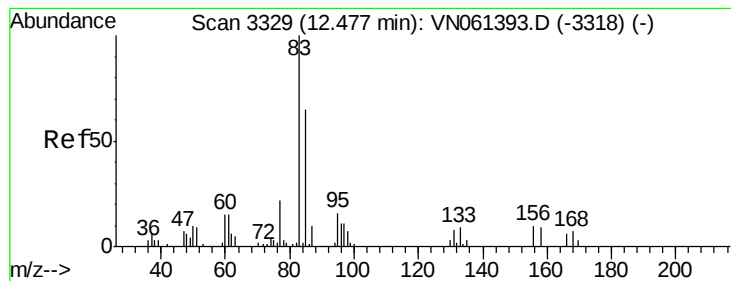
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#70
Isopropylbenzene
Concen: 19.167 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.4	34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.642 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

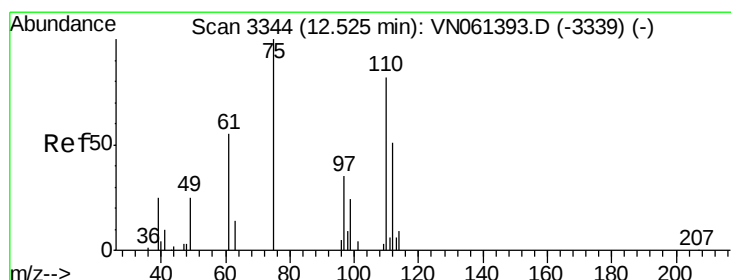
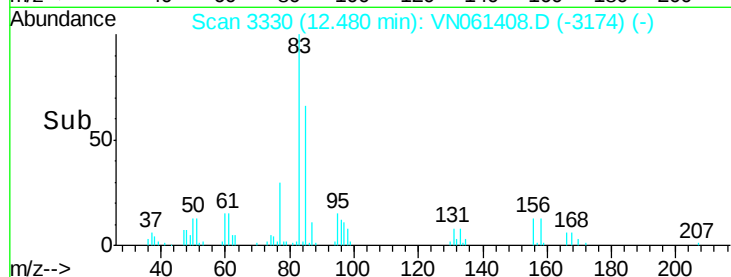
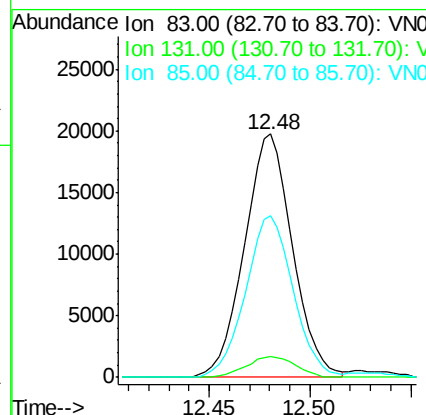
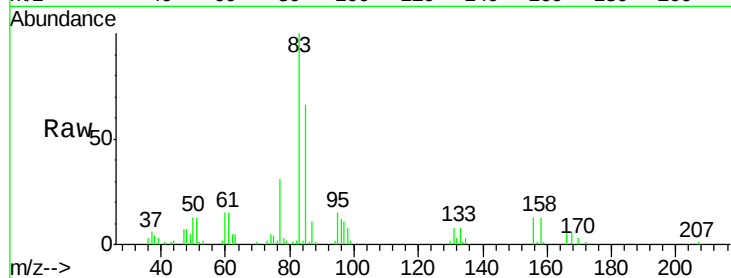
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	32858
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.9	14.7
85	65.8	31.6	94.7

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#72

1,2,3-Trichloropropane

Concen: 19.500 ug/l m

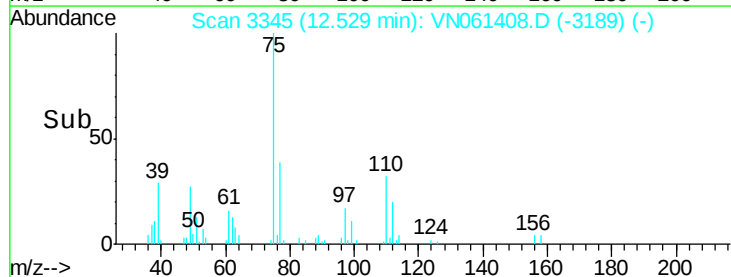
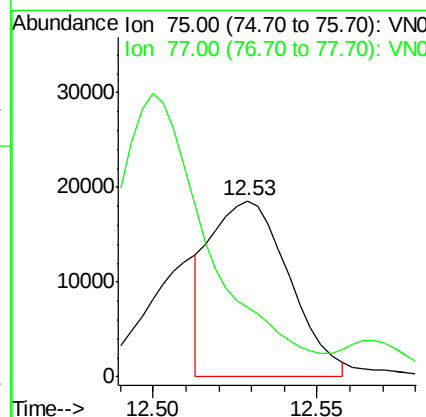
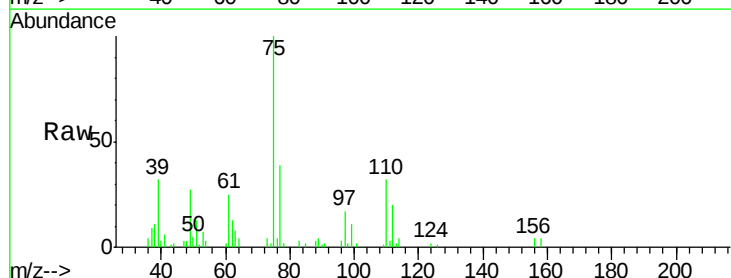
RT: 12.53 min Scan# 3345

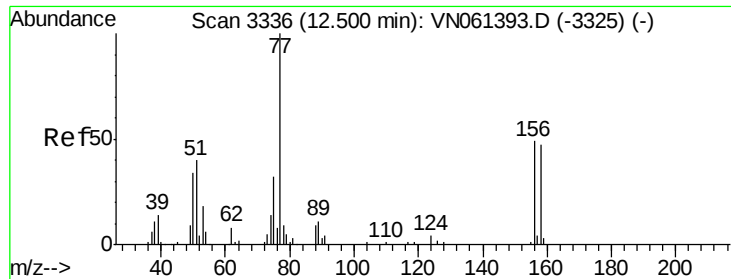
Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Tgt Ion:	75	Resp:	31112
Ion Ratio	Lower	Upper	
75	100		
77	196.1	0.0	359.4





#73

Bromobenzene

Concen: 18.730 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

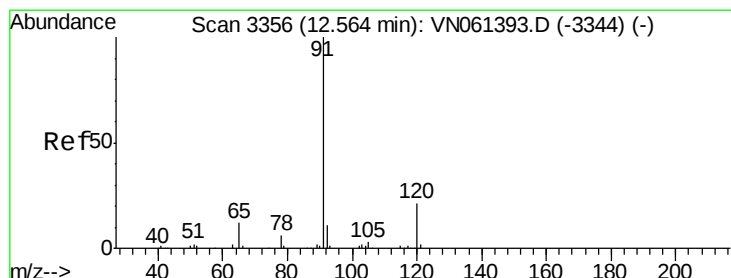
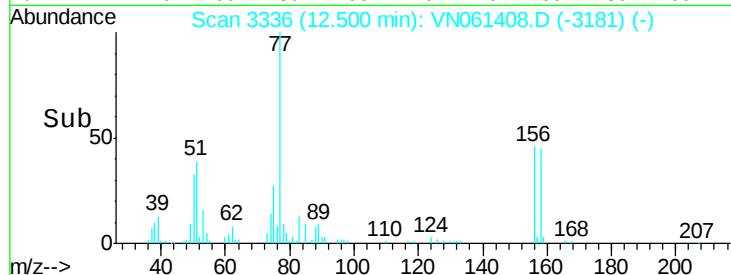
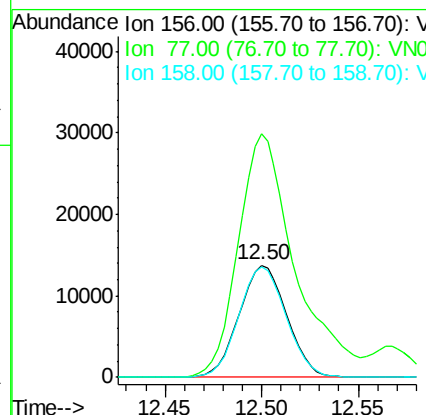
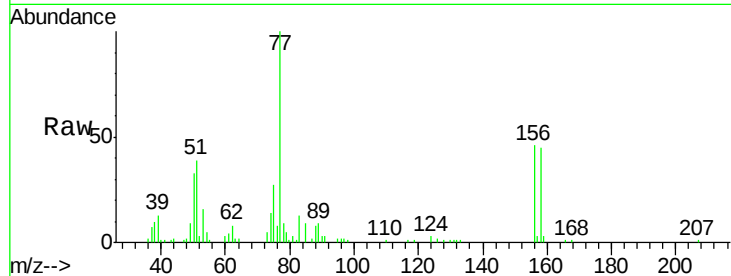
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	23558
Ion Ratio	Lower	Upper	
156	100		
77	258.9	0.0	456.0
158	98.2	0.0	195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 19.068 ug/l

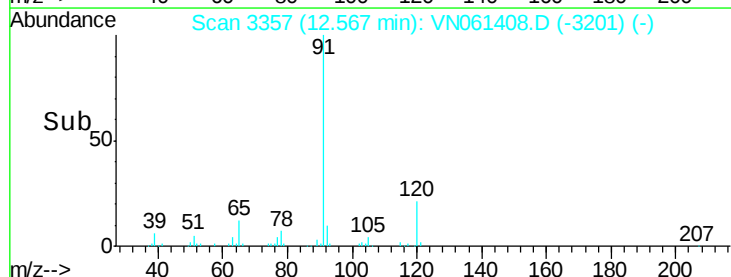
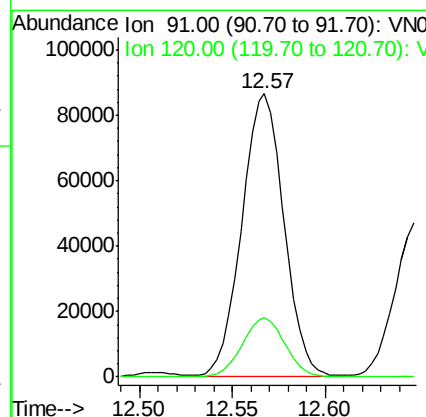
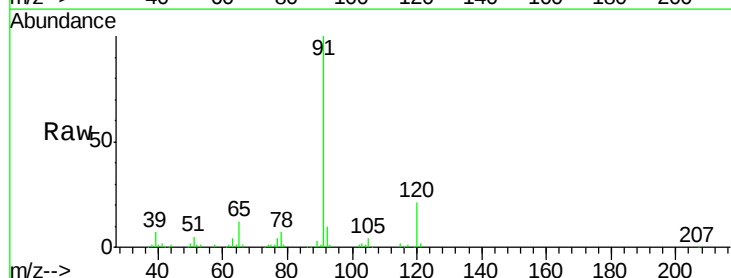
RT: 12.57 min Scan# 3357

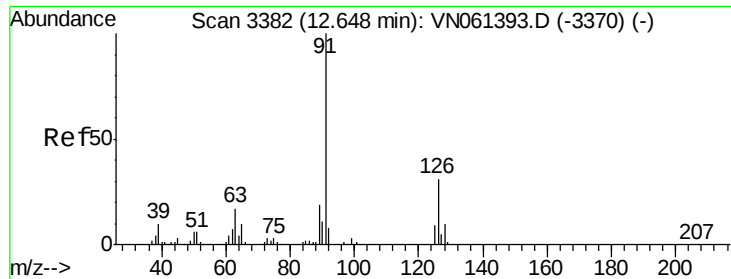
Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Tgt Ion:	91	Resp:	137284
Ion Ratio	Lower	Upper	
91	100		
120	21.1	0.0	43.6





#75

2-Chlorotoluene

Concen: 19.247 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 79464

Ion Ratio Lower Upper

91 100

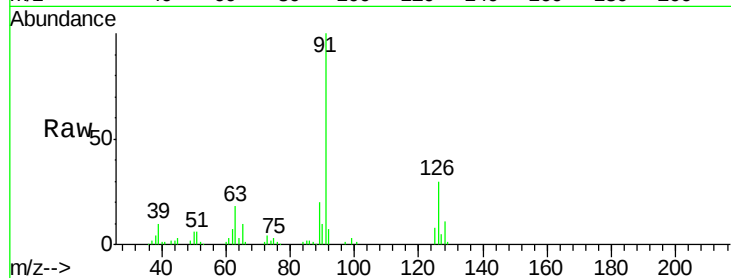
126 30.4 0.0 65.4

Manual Integrations

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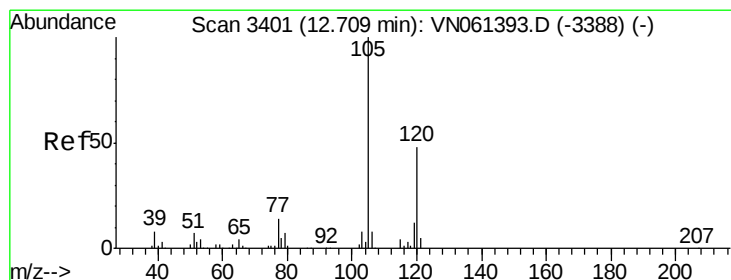
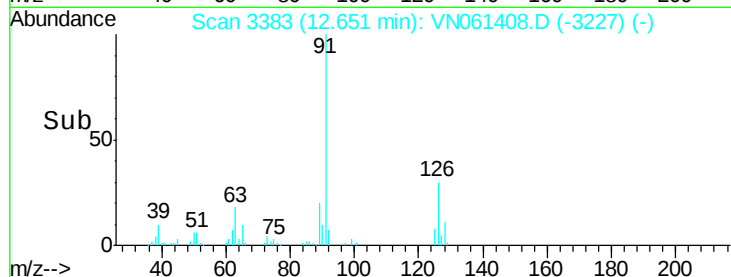
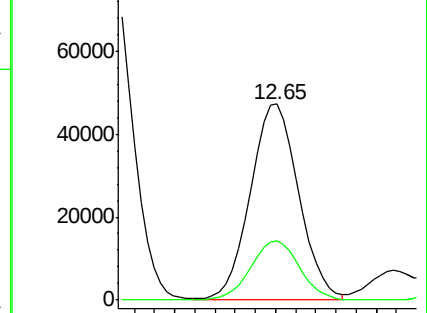
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN061408.D (-3227) (-)

Ion 126.00 (125.70 to 126.70): VN061408.D (-3227) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.994 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061408.D

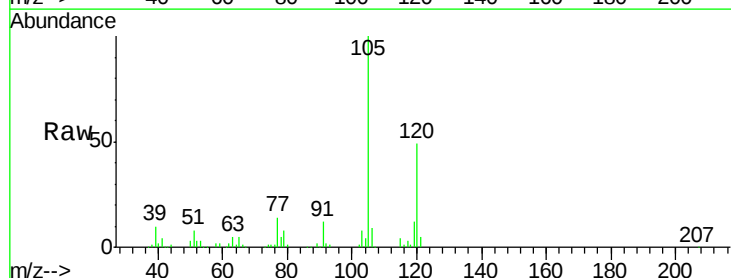
Acq: 14 May 2020 21:34

Tgt Ion: 105 Resp: 96518

Ion Ratio Lower Upper

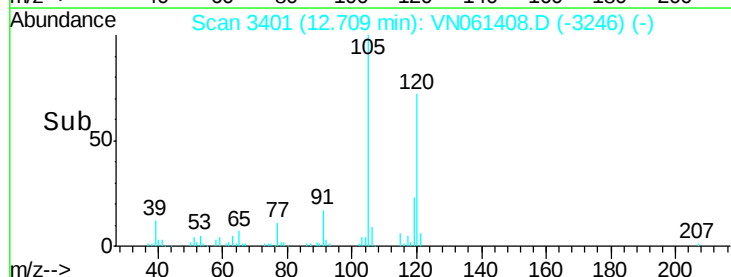
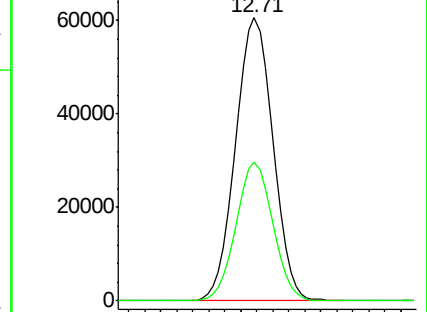
105 100

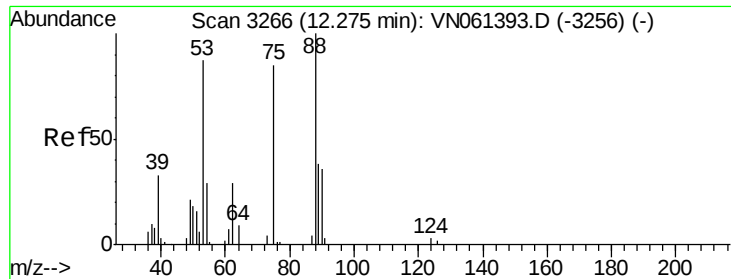
120 48.2 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN061408.D (-3246) (-)

Ion 120.00 (119.70 to 120.70): VN061408.D (-3246) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.014 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

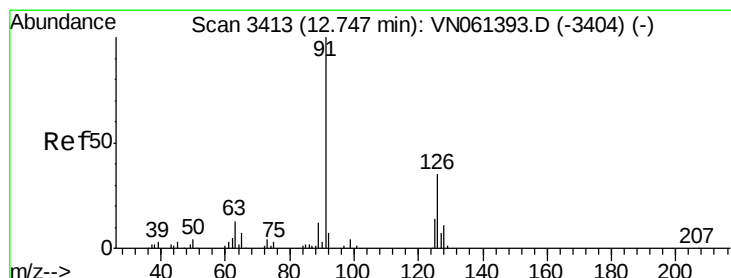
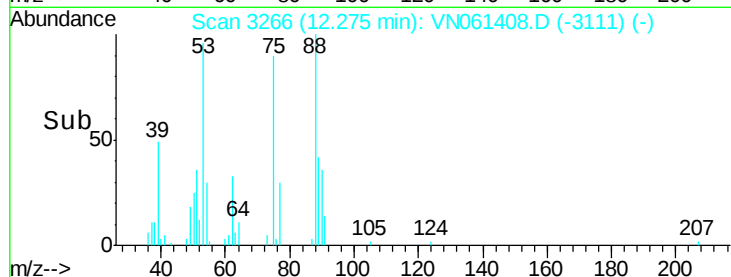
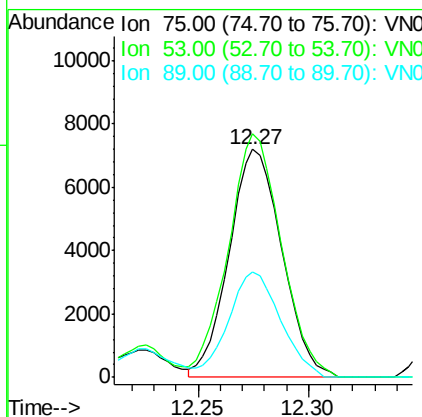
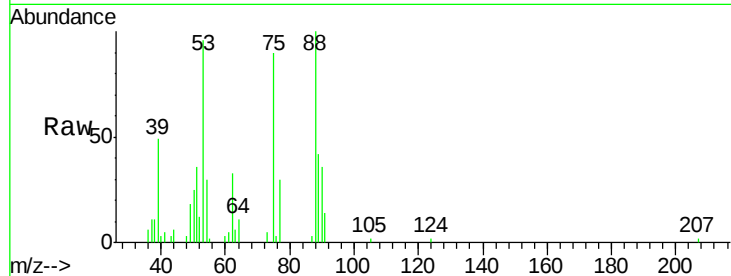
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	11962
Ion	Ratio	Lower	Upper
75	100		
53	106.9	50.0	150.0
89	46.5	20.7	62.1

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.982 ug/l

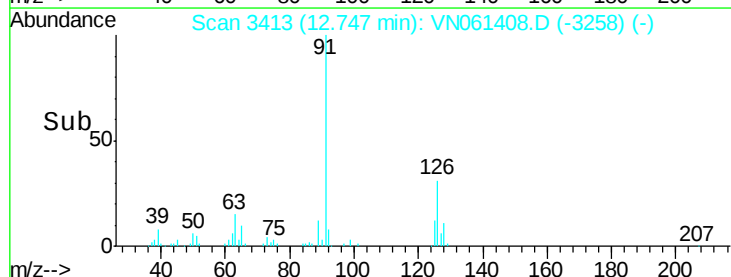
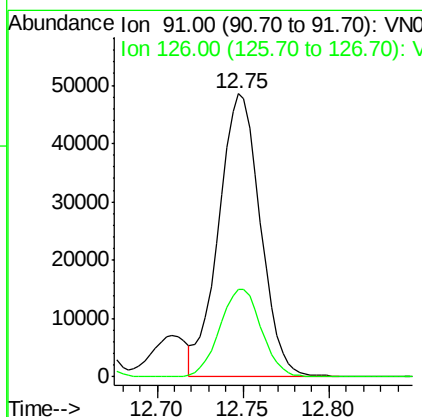
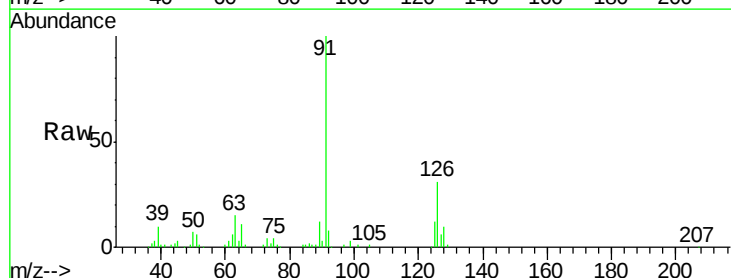
RT: 12.75 min Scan# 3413

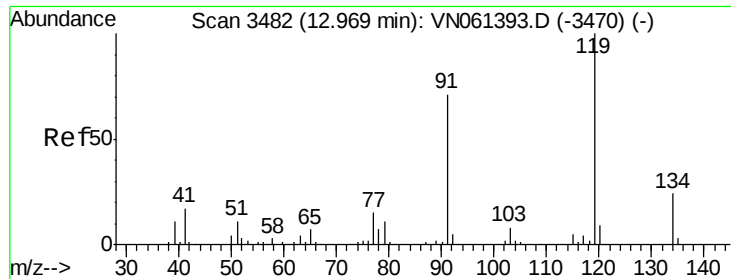
Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Tgt Ion:	91	Resp:	82066
Ion	Ratio	Lower	Upper
91	100		
126	30.9	0.0	63.4





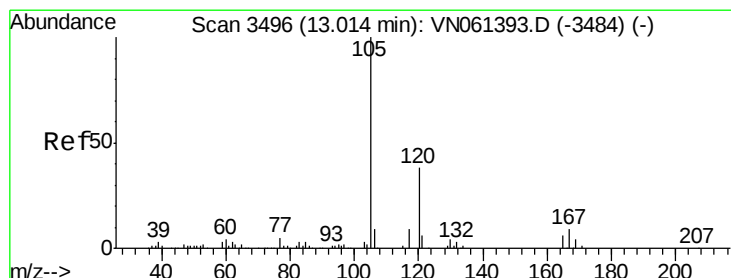
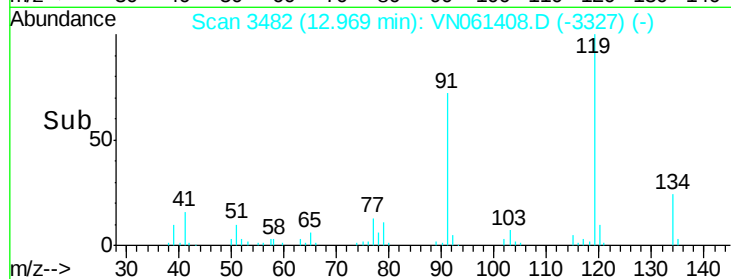
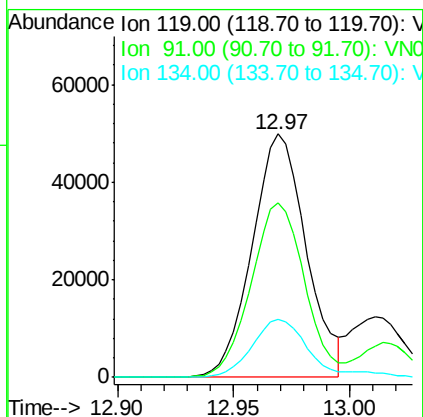
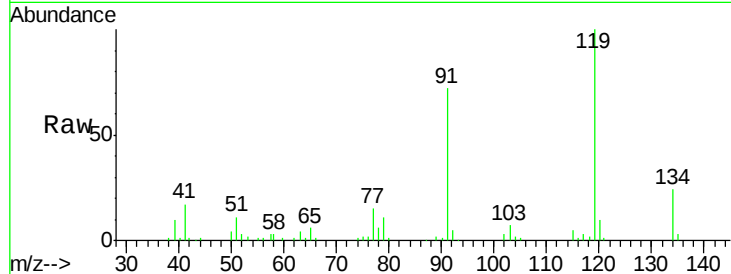
#79
tert-butylbenzene
Concen: 19.195 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.3	0.0	136.4
134	23.9	0.0	47.2

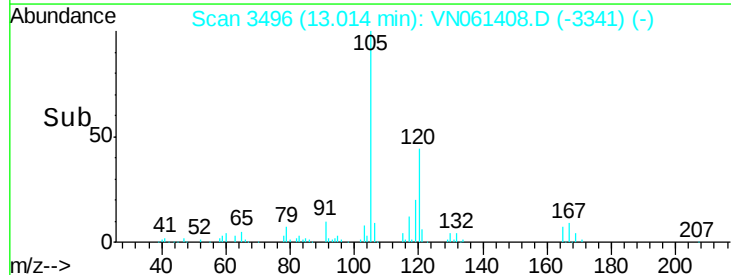
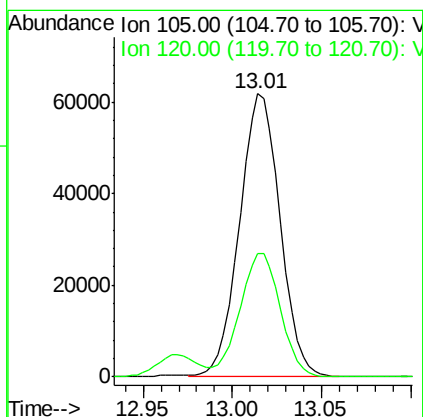
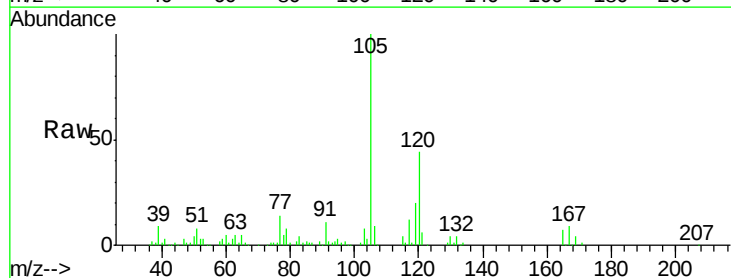
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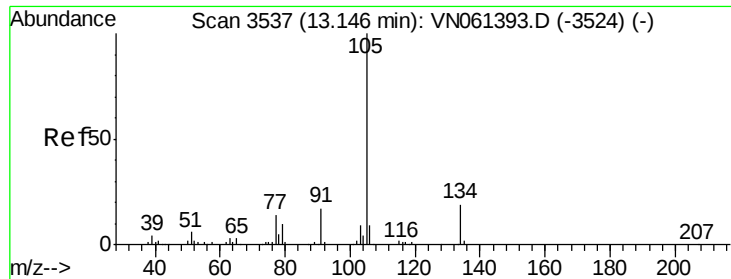
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.175 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	0.0	89.2





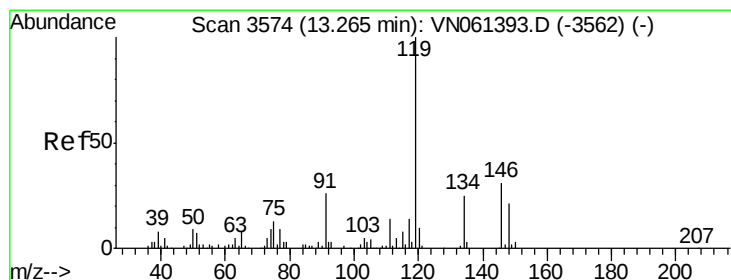
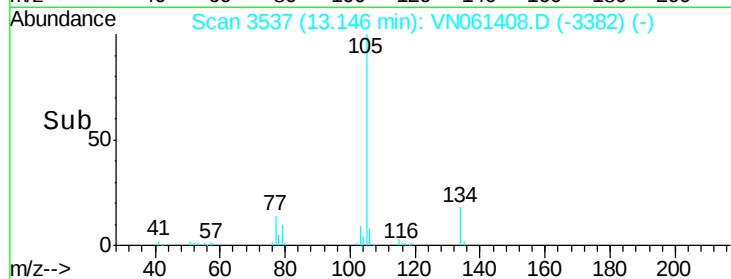
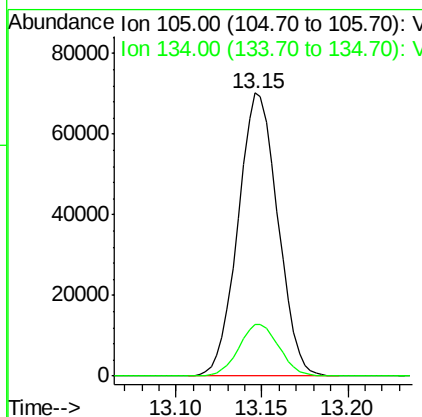
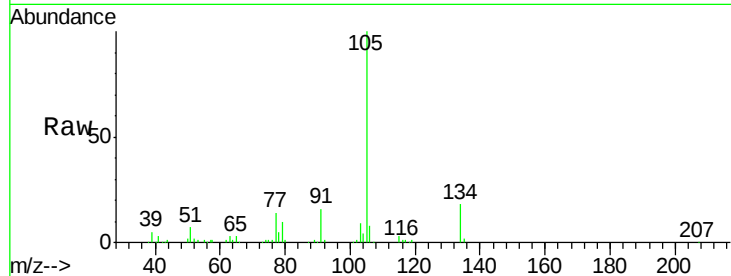
#81
 sec-Butylbenzene
 Concen: 19.372 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	112652		
134	18.3	0.0	38.0	

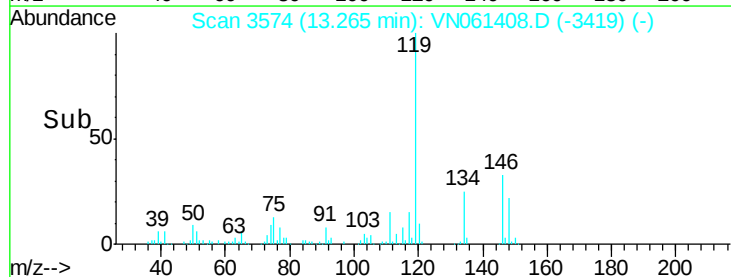
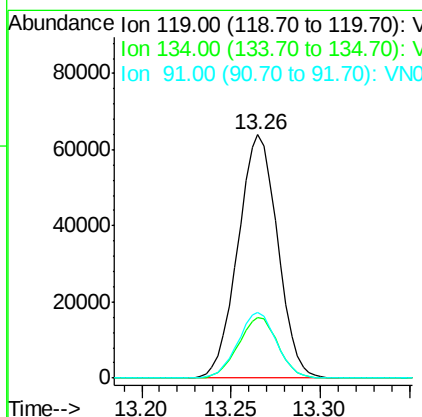
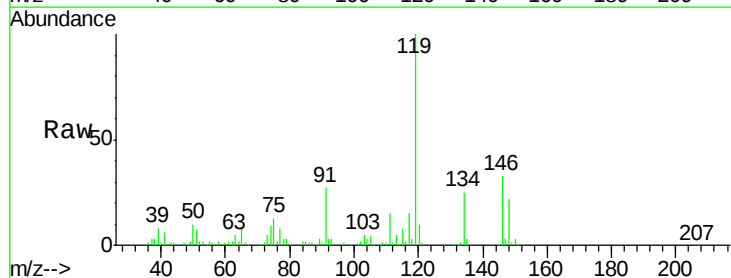
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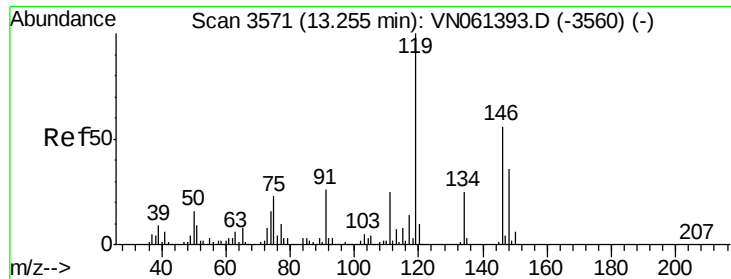
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#82
 p-Isopropyltoluene
 Concen: 18.916 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	99052		
134	24.9	0.0	50.8	
91	26.5	0.0	49.4	





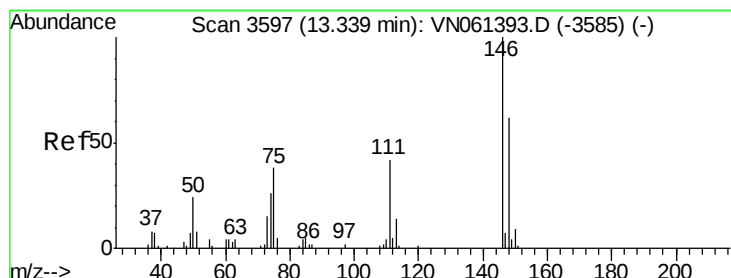
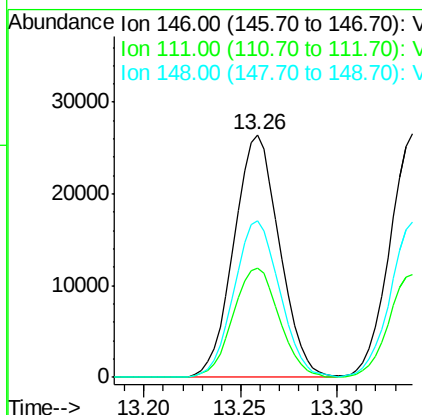
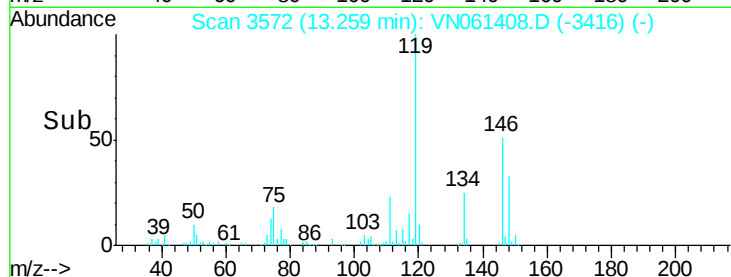
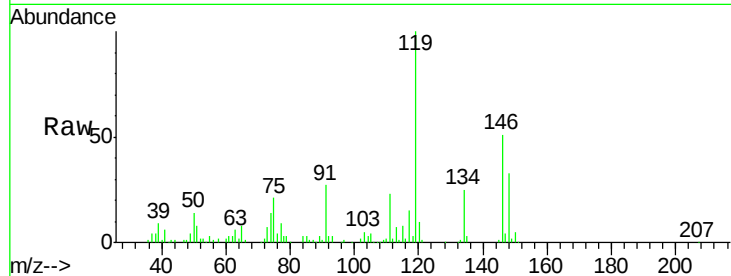
#83
 1,3-Dichlorobenzene
 Concen: 18.573 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.0	63.0
148	64.6	31.7	95.1

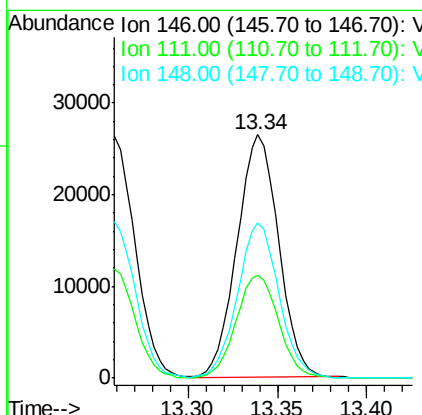
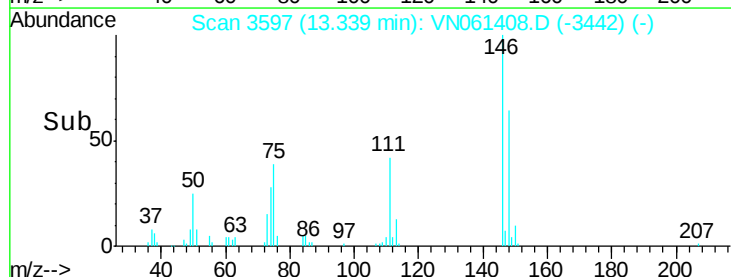
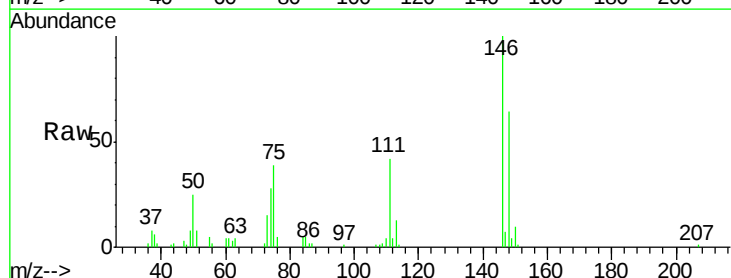
Manual Integrations
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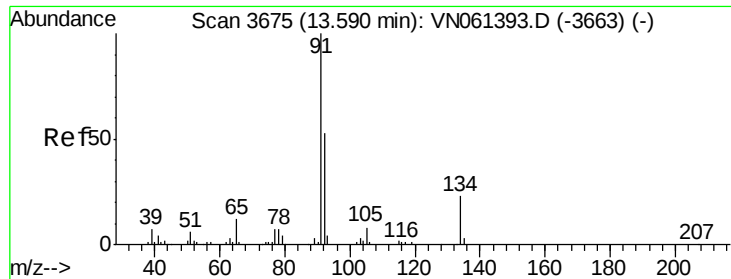
MMDadoda
 5/15/2020 2:11:13 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.593 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	19.8	59.4
148	63.9	31.6	94.8





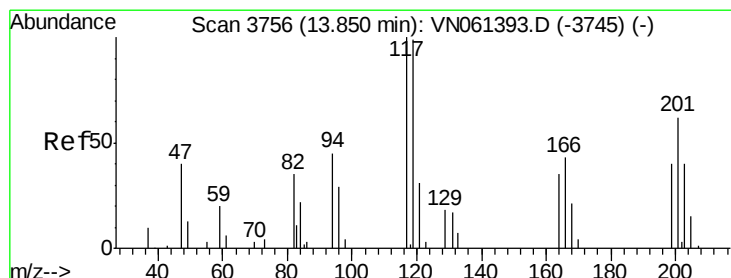
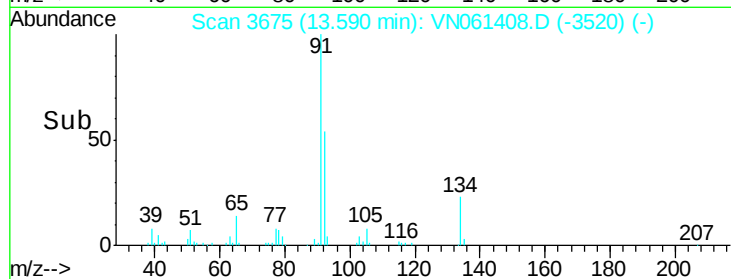
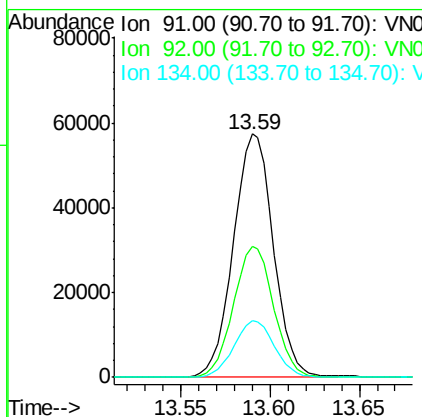
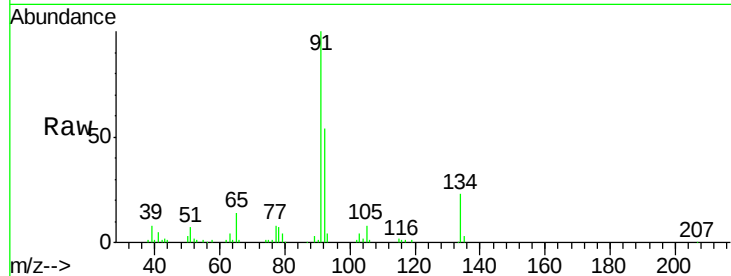
#85
n-Butylbenzene
Concen: 18.515 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
92	54.1	0.0	102.8		
134	23.6	0.0	48.6		

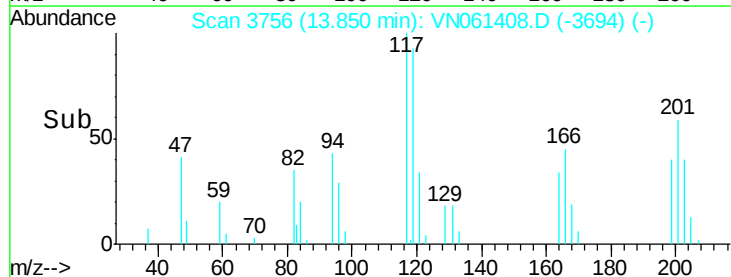
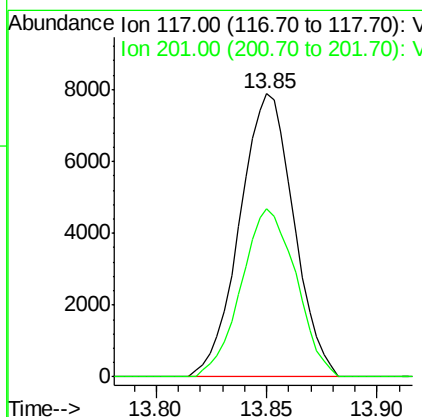
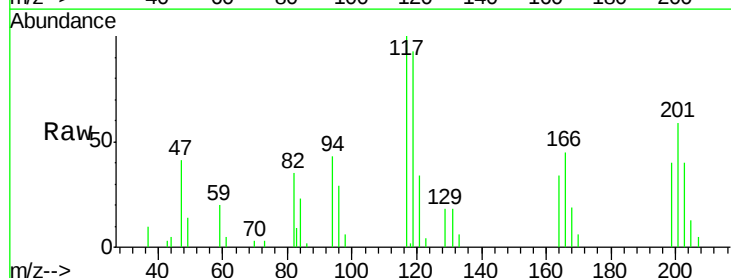
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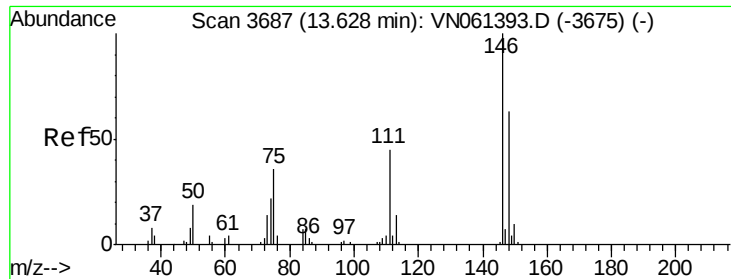
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#86
Hexachloroethane
Concen: 18.290 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
201	60.3	38.7	116.1		





#87

1,2-Dichlorobenzene

Concen: 18.727 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Instrument :

MSVOA_N

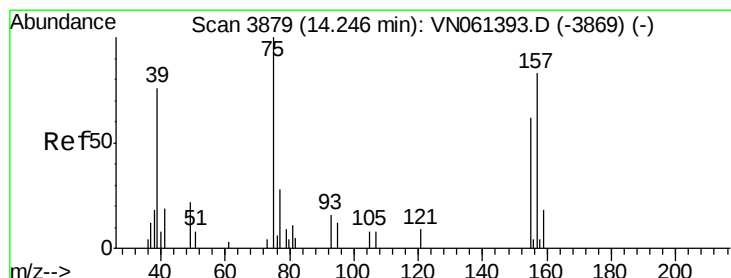
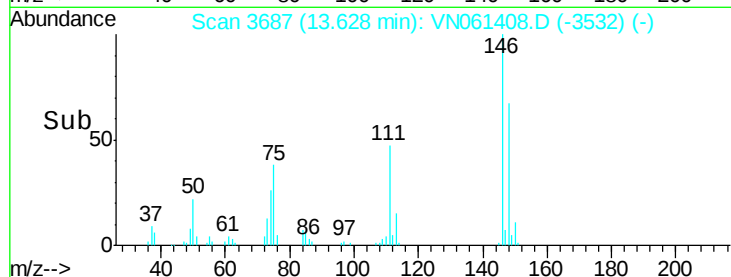
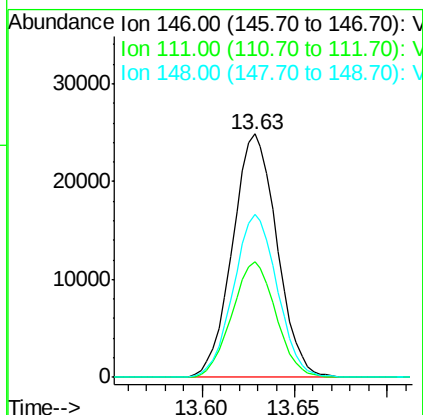
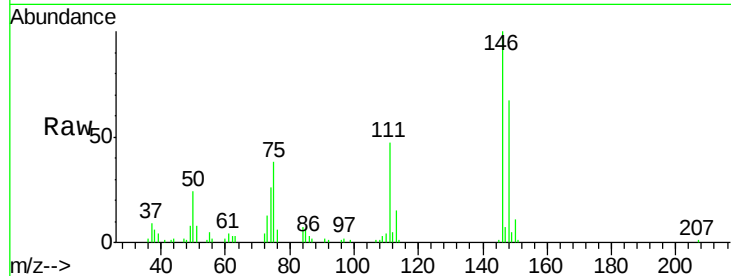
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	41525
Ion Ratio	Lower	Upper	
146	100		
111	46.6	21.8	65.4
148	65.9	32.1	96.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.819 ug/l

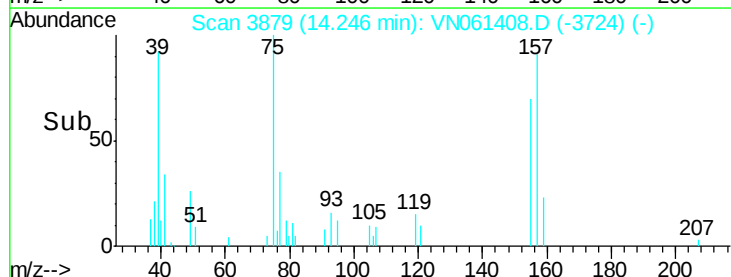
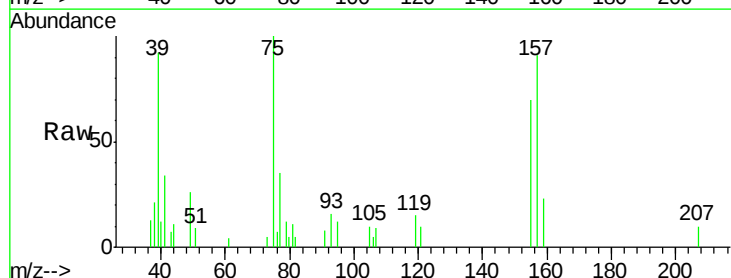
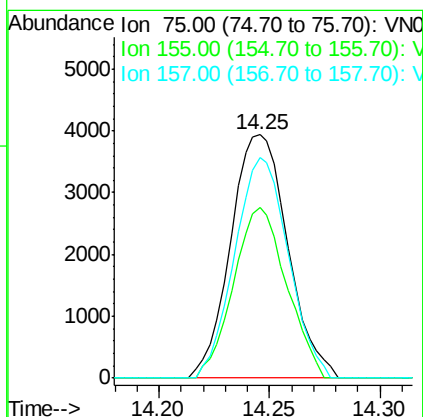
RT: 14.25 min Scan# 3879

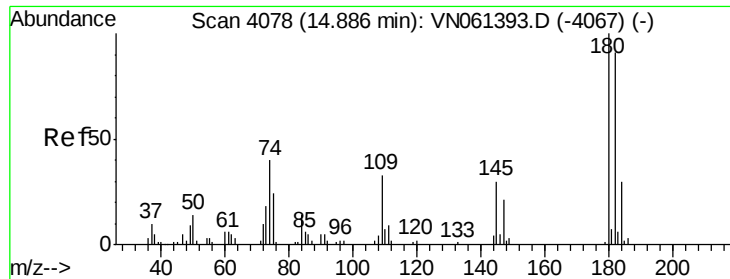
Delta R.T. -0.00 min

Lab File: VN061408.D

Acq: 14 May 2020 21:34

Tgt Ion:	75	Resp:	7066
Ion Ratio	Lower	Upper	
75	100		
155	65.1	58.3	87.5
157	85.1	75.0	112.6





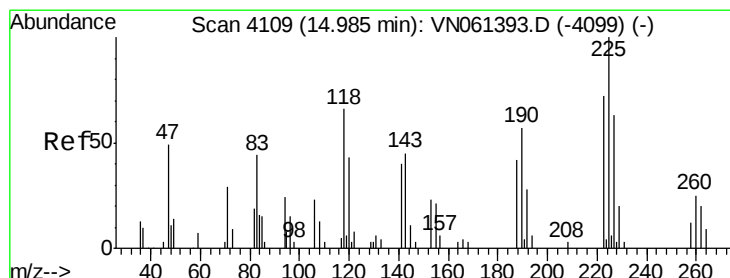
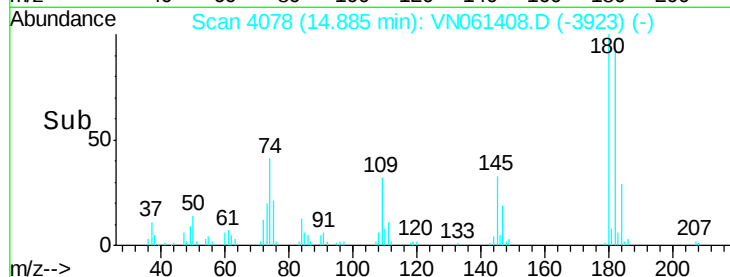
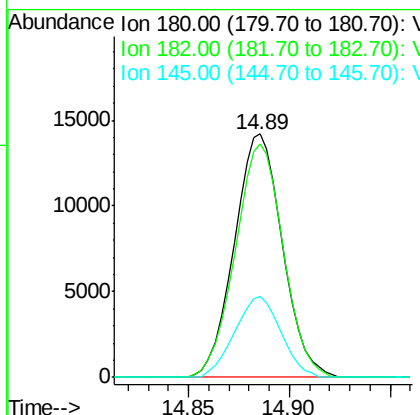
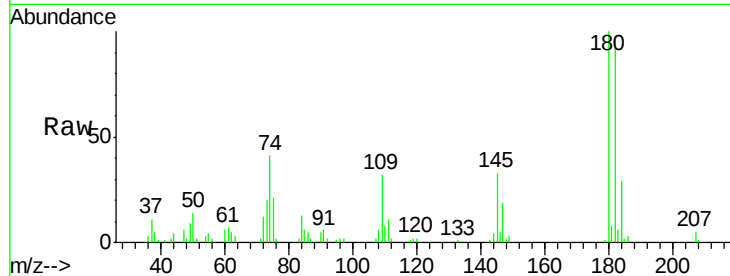
#89
 1,2,4-Trichlorobenzene
 Concen: 18.627 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. -0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.3	112.9
145	31.9	24.8	37.2

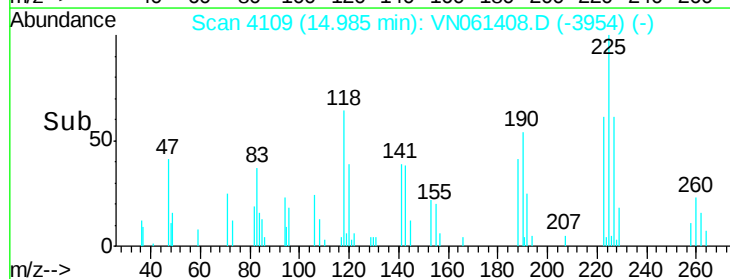
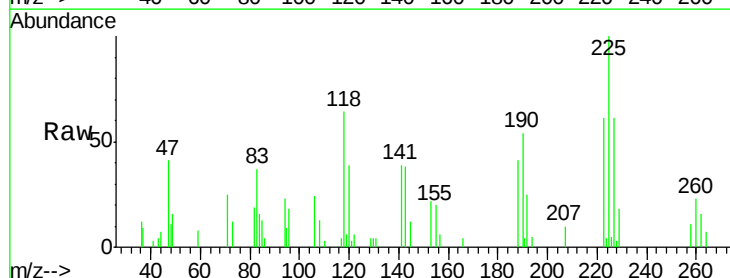
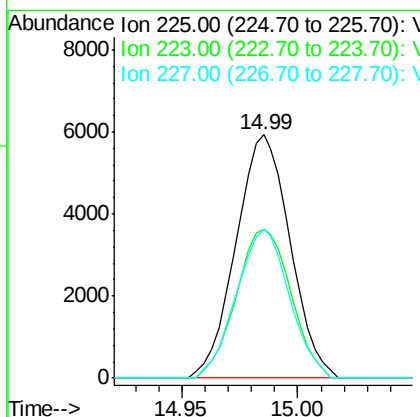
Manual Integrations
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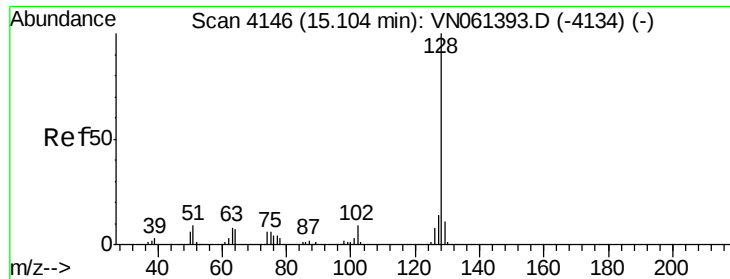
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#90
 Hexachlorobutadiene
 Concen: 18.519 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061408.D
 Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	0.0	126.2
227	59.8	0.0	127.0





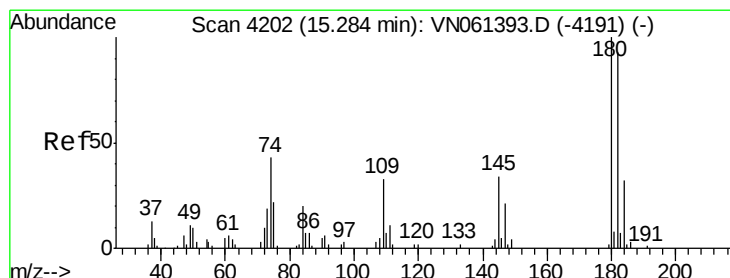
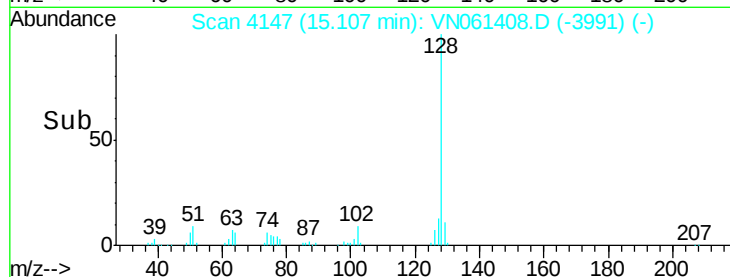
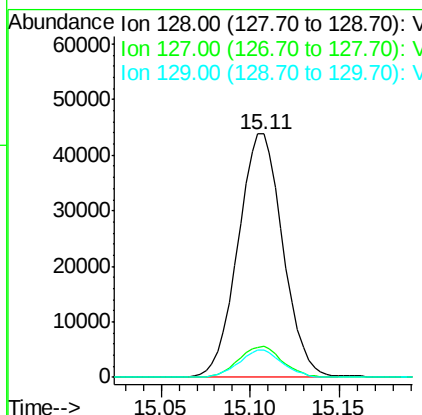
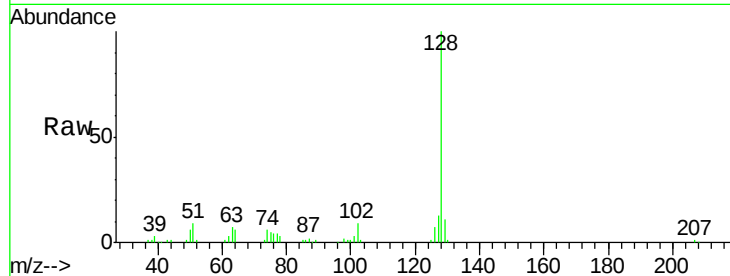
#91
Naphthalene
Concen: 19.122 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/15/2020 2:11:13 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.620 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061408.D
Acq: 14 May 2020 21:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	0.0	193.4
145	36.1	0.0	65.8

