

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058970.D
 Acq On : 24 Oct 2019 18:30
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:36:21 PM

Quant Time: Oct 25 03:14:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	58331	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	328835	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	304524	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	159939	32.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.70%
60) 4-Bromofluorobenzene	12.40	95	153992	28.91	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.37%
63) Toluene-d8	10.08	98	439122	30.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	63748	20.170	ug/l 98
3) Chloromethane	2.04	50	82416	19.522	ug/l 97
4) Vinyl Chloride	2.17	62	88028	20.175	ug/l 100
5) Bromomethane	2.55	94	48429	17.977	ug/l 98
6) Chloroethane	2.69	64	59431	21.670	ug/l 96
7) Trichlorofluoromethane	3.00	101	119657	22.281	ug/l 100
8) Diethyl Ether	3.39	74	40269	19.660	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.74	101	65588	21.107	ug/l 99
10) 1,1-Dichloroethene	3.72	96	60162	19.712	ug/l 96
11) Methyl Iodide	3.93	142	52860	12.436	ug/l 97
12) Methyl Acetate	4.30	43	108943	22.311	ug/l 96
13) Acrolein	3.59	56	38317	71.019	ug/l 96
14) Acrylonitrile	4.96	53	200275	104.092	ug/l 99
15) Acetone	3.79	58	58190	101.888	ug/l 99
16) Carbon Disulfide	4.03	76	177766	19.970	ug/l 100
17) Allyl chloride	4.30	41	123225	20.285	ug/l 93
18) Methylene Chloride	4.53	84	77622	21.003	ug/l 98
19) trans-1,2-Dichloroethene	5.02	96	67705	20.377	ug/l 92
20) Diisopropyl ether	5.93	45	259492	20.967	ug/l 98
21) 1,1-Dichloroethane	5.82	63	144004	21.012	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	77827	19.646	ug/l 97
23) tert-Butyl Alcohol	4.75	59	77691	98.721	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	221950	19.494	ug/l 99
25) Chloroform	7.35	83	141875	20.756	ug/l 95
26) Cyclohexane	7.64	56	116152	19.309	ug/l # 96
29) 1,1-Dichloropropene	7.78	75	101602	19.628	ug/l 99
30) 2-Butanone	6.81	43	287884	98.417	ug/l 99
31) 2,2-Dichloropropane	6.80	77	119250	19.546	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	121226	20.249	ug/l 100
33) Carbon Tetrachloride	7.76	117	105473	20.353	ug/l 99
34) Benzene	8.02	78	302504	19.850	ug/l 97
35) Methacrylonitrile	7.16	41	49355m	19.100	ug/l
36) 1,2-Dichloroethane	8.11	62	119075	20.437	ug/l 100
37) Trichloroethene	8.82	130	72557	19.380	ug/l 99
38) Methylcyclohexane	9.07	83	106542	17.752	ug/l 97
39) 1,2-Dichloropropane	9.11	63	85103	20.435	ug/l 98
40) Dibromomethane	9.20	93	53150	20.216	ug/l 98

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Manual Integrations
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Quant Time: Oct 25 03:14:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	109480	20.384	ug/l	97
42) Vinyl Acetate	5.87	43	1066203	104.075	ug/l	99
43) Ethyl Acetate	6.91	43	117916	20.538	ug/l	99
44) Isopropyl Acetate	8.15	43	184354	19.823	ug/l	99
45) 1,4-Dioxane	9.19	88	26655	373.263	ug/l	97
46) Methyl methacrylate	9.19	41	80575	18.873	ug/l	98
47) n-amyl Acetate	12.07	43	150955	18.311	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	118994	19.103	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	126446	19.331	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	76844	20.474	ug/l	98
51) Ethyl methacrylate	10.43	69	110038	18.336	ug/l	97
52) 1,3-Dichloropropane	10.70	76	130964	19.594	ug/l	98
53) Dibromochloromethane	10.90	129	79063	19.629	ug/l	100
54) 1,2-Dibromoethane	11.00	107	76275	19.607	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	259576	86.953	ug/l	100
56) Bromoform	12.13	173	56081	19.987	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	584360	105.189	ug/l	99
59) 2-Hexanone	10.75	43	429736	98.672	ug/l	99
61) Tetrachloroethene	10.63	164	64099	19.479	ug/l	98
62) Toluene	10.15	91	321233	19.611	ug/l	100
64) Chlorobenzene	11.43	112	192545	19.226	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	74801	19.919	ug/l	98
66) Ethyl Benzene	11.51	91	343212	18.922	ug/l	99
67) m/p-Xylenes	11.62	106	253530	37.413	ug/l	99
68) o-Xylene	11.95	106	121469	18.490	ug/l	99
69) Styrene	11.97	104	193345	17.815	ug/l	98
70) Isopropylbenzene	12.25	105	329939	18.603	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	118807	19.898	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	111953m	20.692	ug/l	
73) Bromobenzene	12.53	156	78964	18.330	ug/l	96
74) n-propylbenzene	12.60	91	393258	18.943	ug/l	100
75) 2-Chlorotoluene	12.68	91	236985	18.973	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	284436	18.724	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	38317	18.590	ug/l	96
78) 4-Chlorotoluene	12.78	91	238096	18.495	ug/l	100
79) tert-butylbenzene	13.00	119	237239	18.280	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	283578	18.786	ug/l	100
81) sec-Butylbenzene	13.18	105	321094	18.384	ug/l	99
82) p-Isopropyltoluene	13.29	119	281079	17.921	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	140260	17.993	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	137510	17.660	ug/l	98
85) n-Butylbenzene	13.62	91	245804	17.118	ug/l	99
86) Hexachloroethane	13.88	117	56139	19.668	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	141373	18.370	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24885	18.725	ug/l	100
89) 1,2,4-Trichlorobenzene	14.92	180	74876	15.409	ug/l	98
90) Hexachlorobutadiene	15.01	225	43955	17.517	ug/l	98
91) Naphthalene	15.13	128	211952	14.773	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	77303	16.342	ug/l	98

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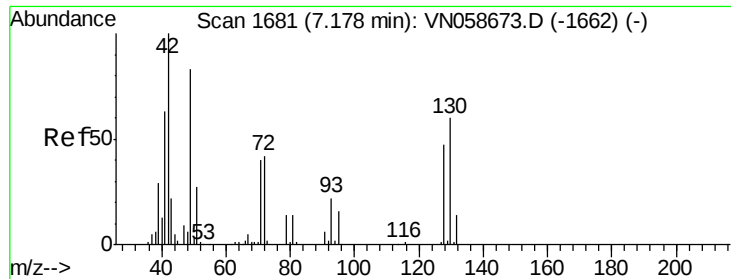
Manual Integrations
APPROVED

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QLast Update : Fri Oct 11 04:26:47 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:128 Resp: 58331

Ion Ratio Lower Upper

128 100

49 188.3 0.0 453.5

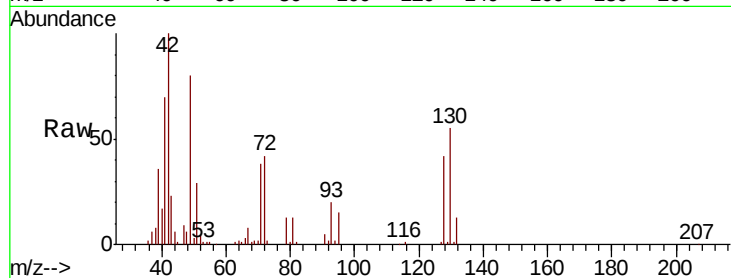
130 128.5 0.0 314.2

Manual Integrations

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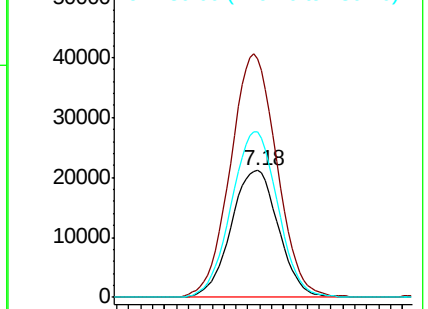
10/25/2019 2:36:21 PM



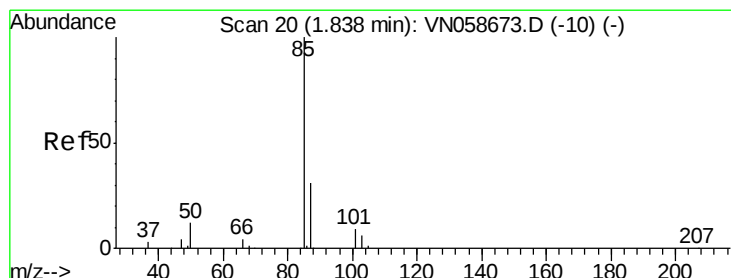
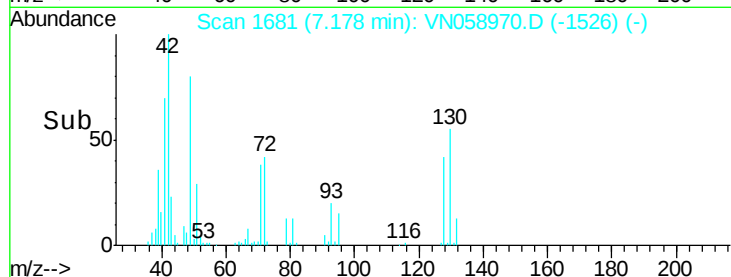
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 20.170 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058970.D

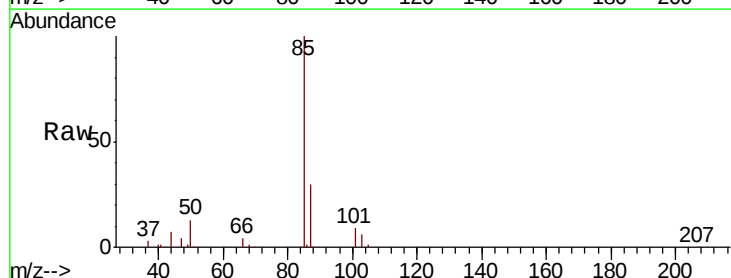
Acq: 24 Oct 2019 18:30

Tgt Ion: 85 Resp: 63748

Ion Ratio Lower Upper

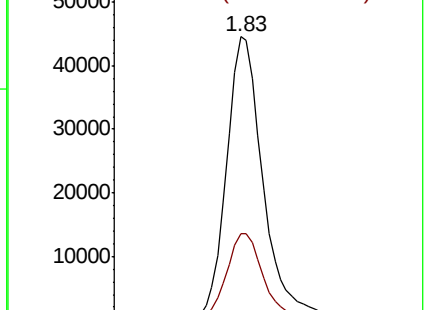
85 100

87 30.4 15.7 47.0

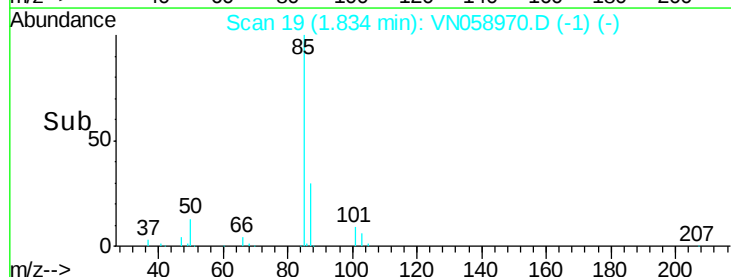


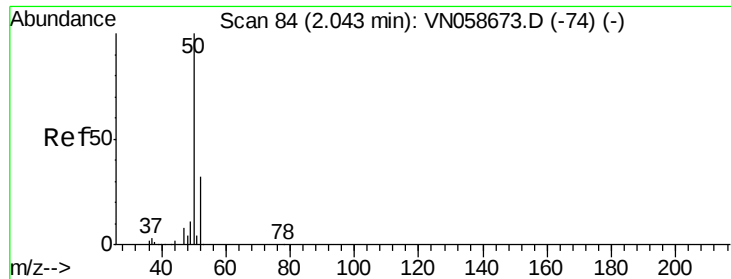
Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN



Time-->





#3

Chloromethane

Concen: 19.522 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 82416

Ion Ratio Lower Upper

50 100

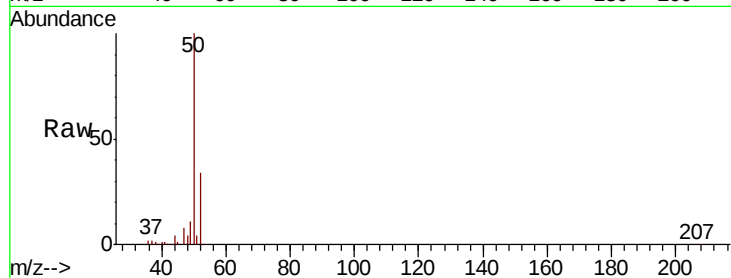
52 33.8 25.8 38.8

Manual Integrations

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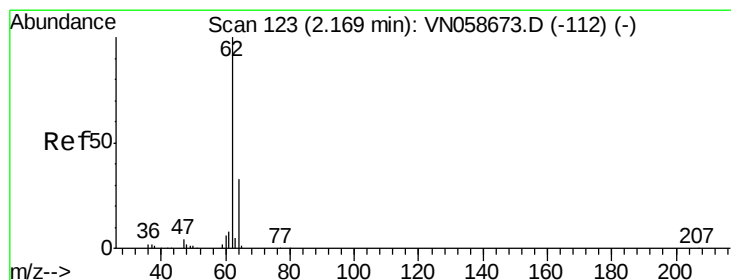
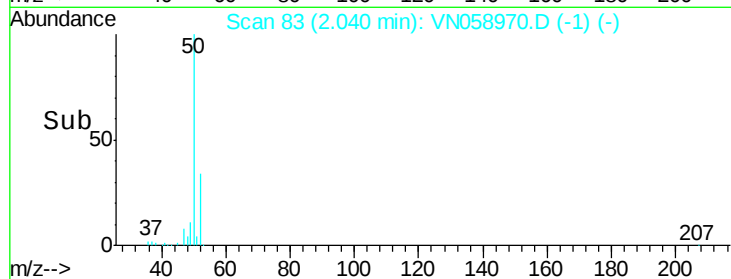
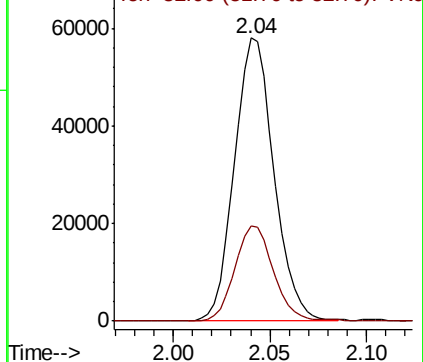
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.175 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058970.D

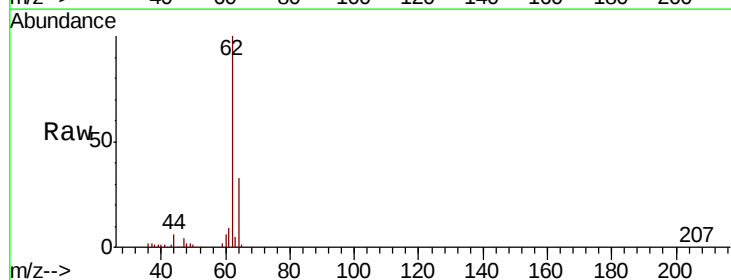
Acq: 24 Oct 2019 18:30

Tgt Ion: 62 Resp: 88028

Ion Ratio Lower Upper

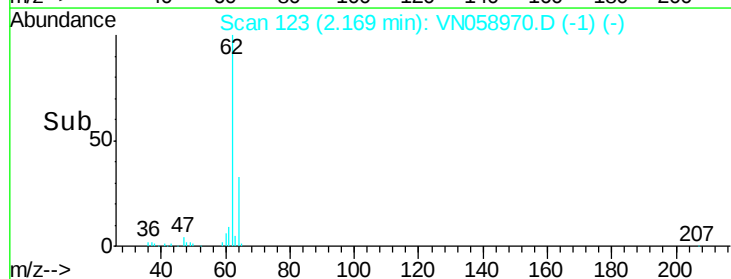
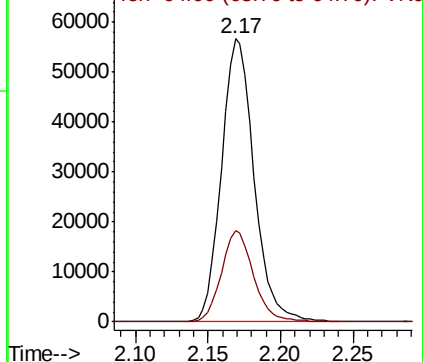
62 100

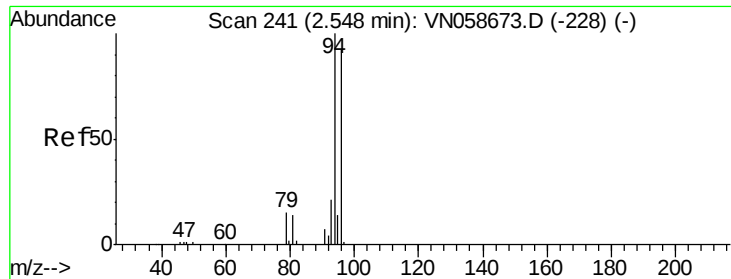
64 32.5 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 17.977 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 48429

Ion Ratio Lower Upper

94 100

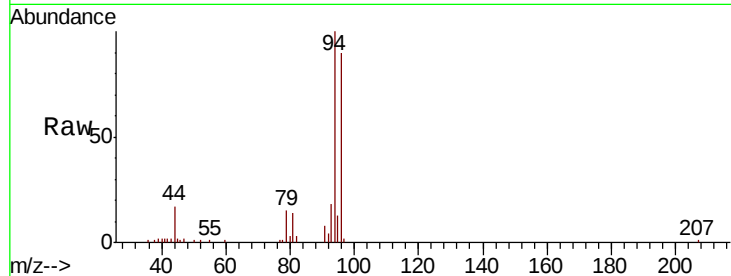
96 90.3 73.7 110.5

Manual Integrations

APPROVED

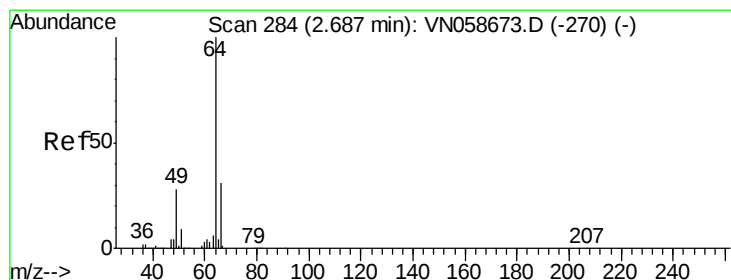
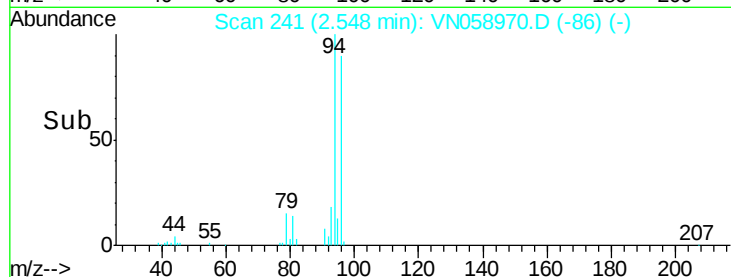
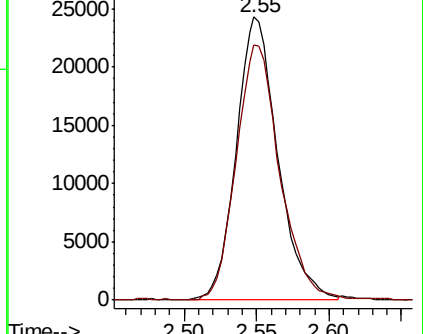
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.670 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058970.D

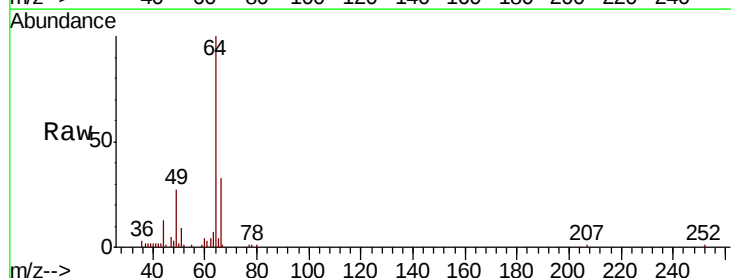
Acq: 24 Oct 2019 18:30

Tgt Ion: 64 Resp: 59431

Ion Ratio Lower Upper

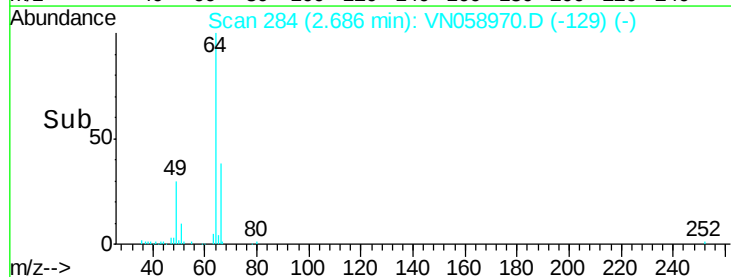
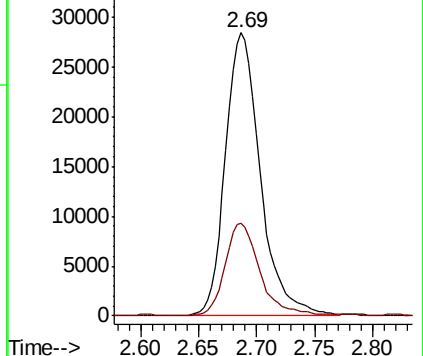
64 100

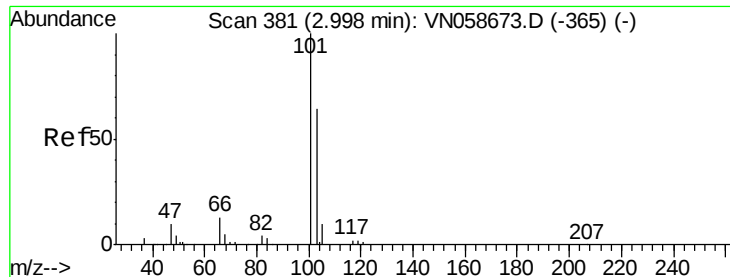
66 32.8 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

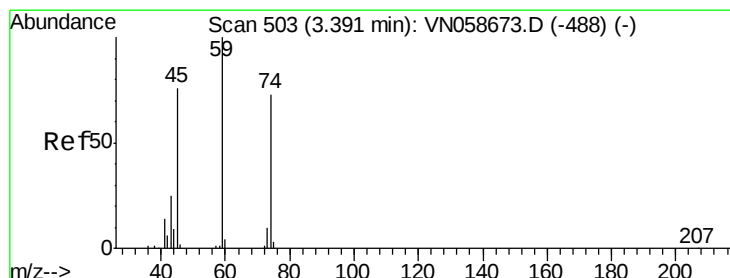
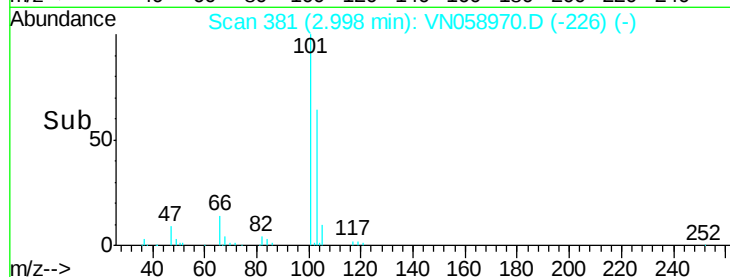
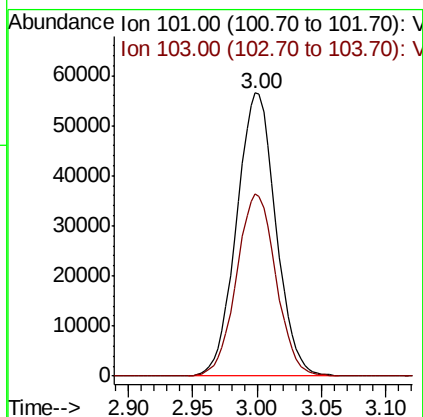
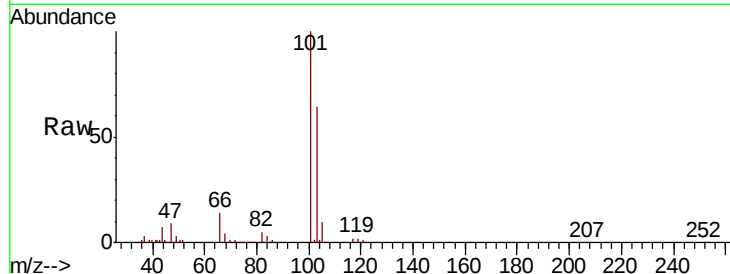
Trichlorofluoromethane
Concen: 22.281 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
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ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.5	77.3

Manual Integrations
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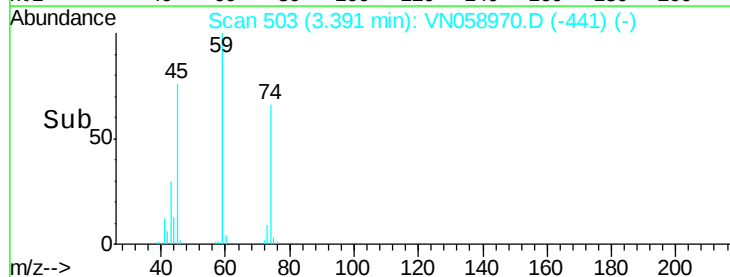
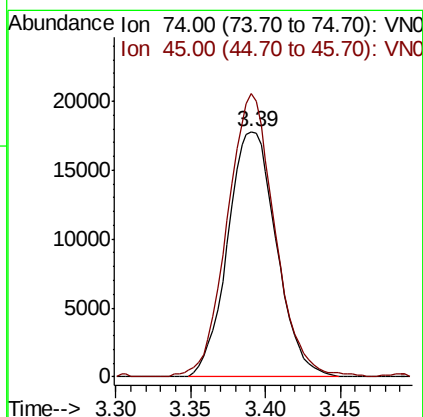
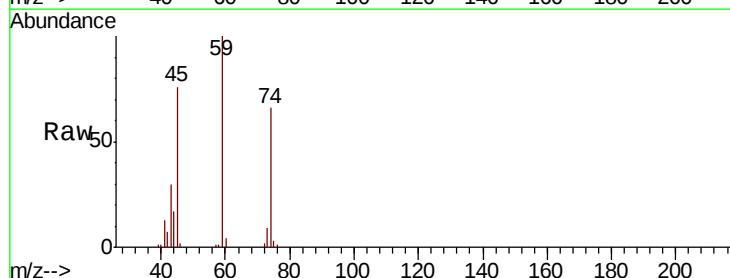
MMDadoda
10/25/2019 2:36:21 PM

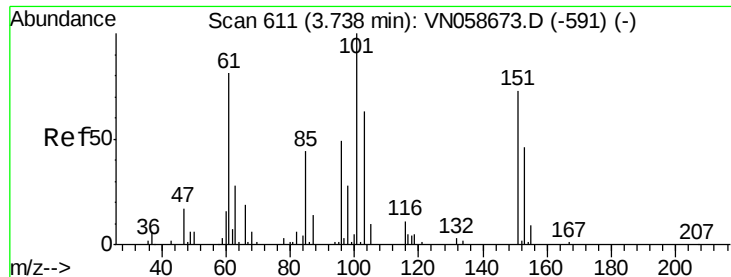


#8

Diethyl Ether
Concen: 19.660 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.3	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.107 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

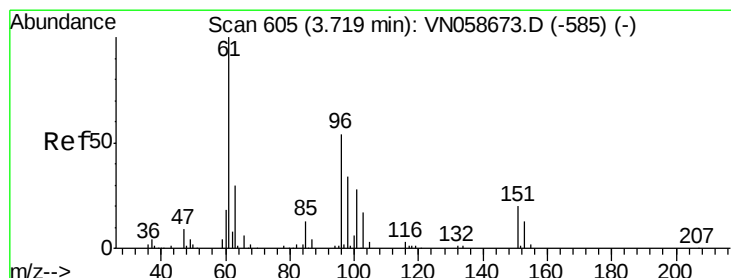
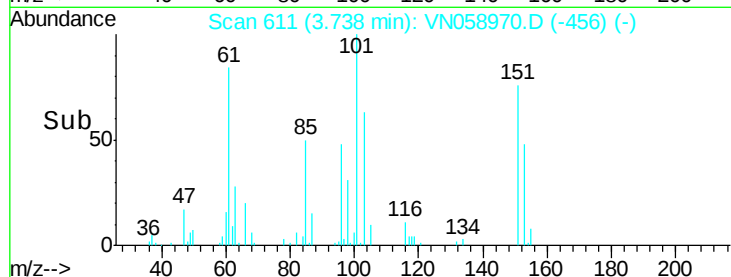
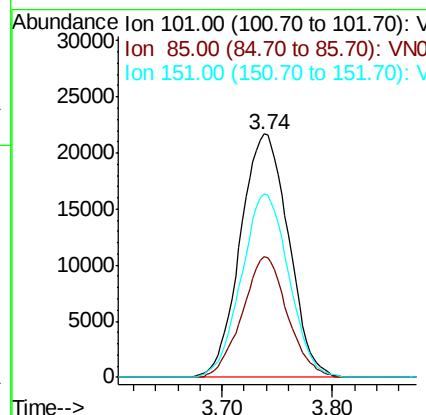
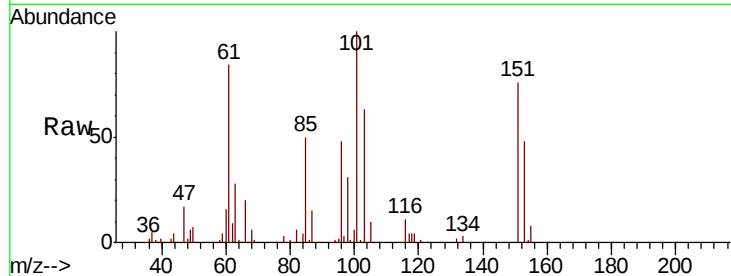
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	65588
Ion Ratio	Lower	Upper	
101	100		
85	46.4	0.0	93.8
151	74.2	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 19.712 ug/l

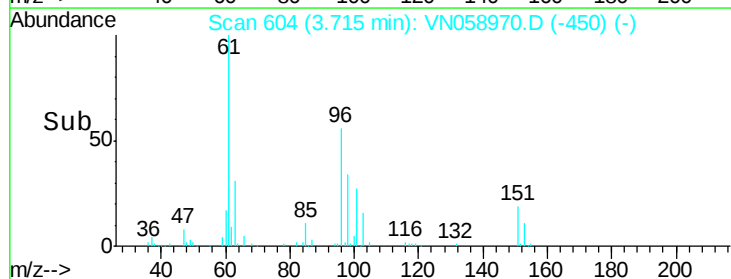
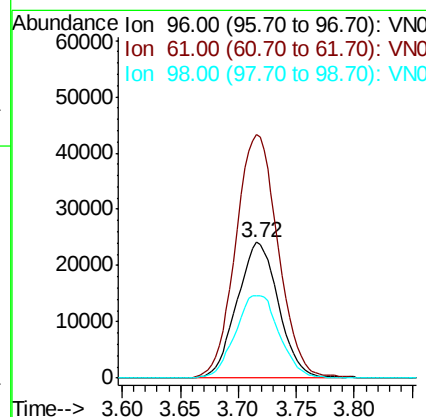
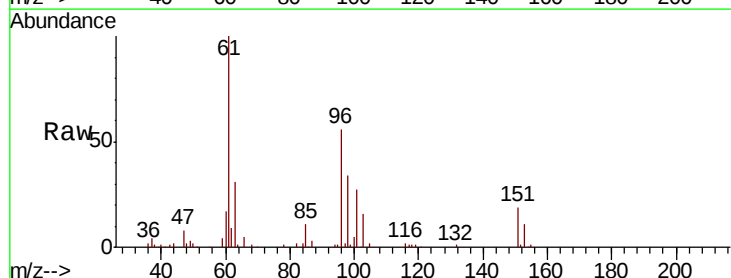
RT: 3.72 min Scan# 604

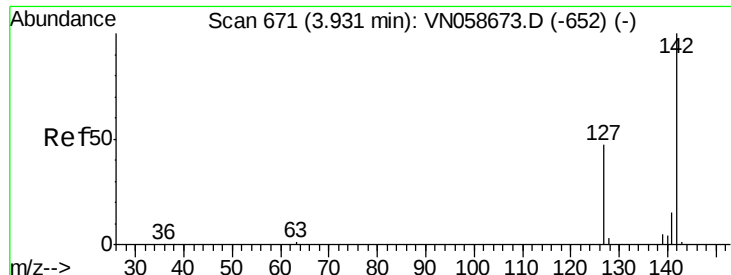
Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Tgt Ion:	96	Resp:	60162
Ion Ratio	Lower	Upper	
96	100		
61	178.7	148.5	222.7
98	61.1	51.0	76.6





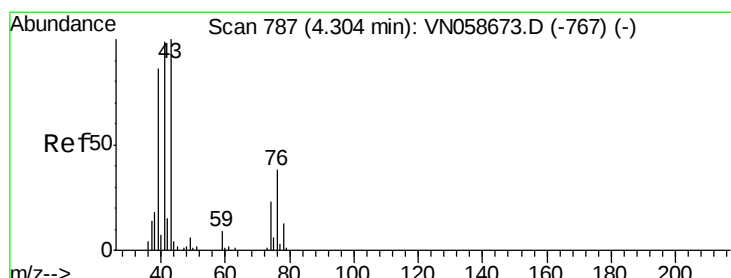
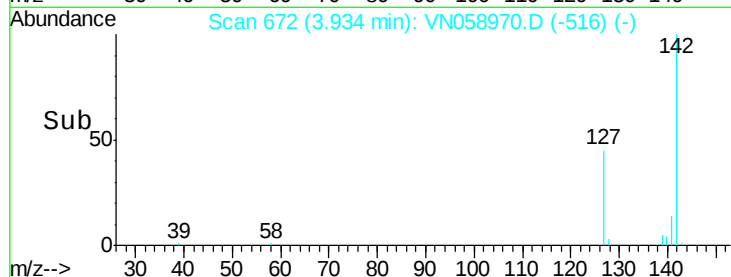
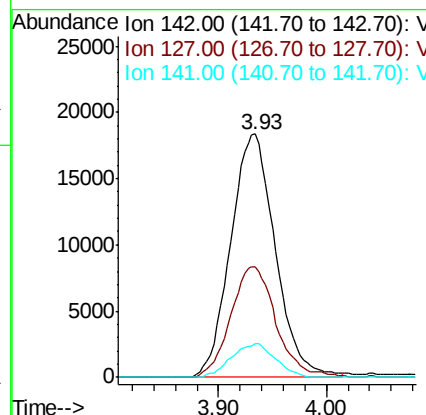
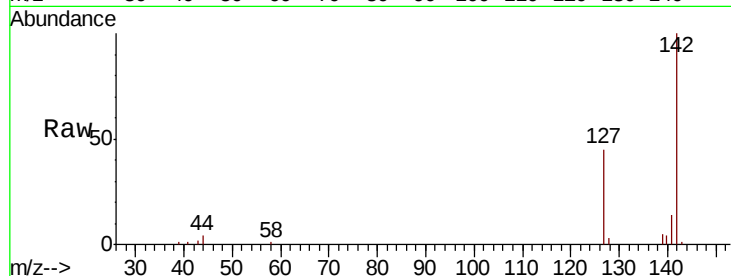
#11
Methyl Iodide
Concen: 12.436 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.0	23.5	70.6
141	13.8	7.4	22.2

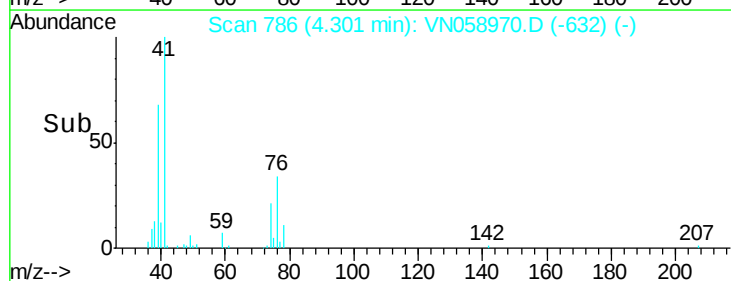
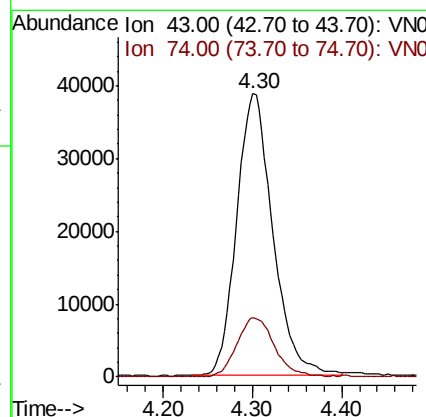
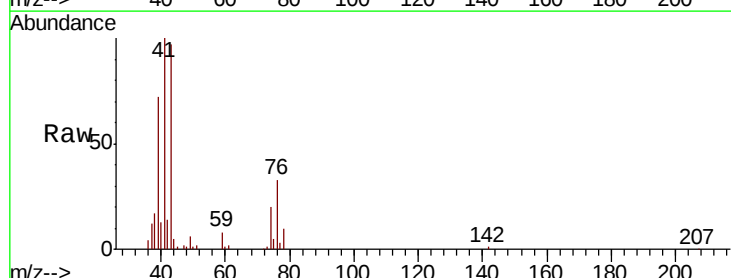
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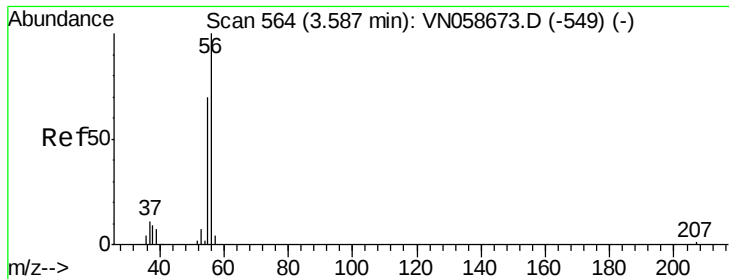
MMDadoda
10/25/2019 2:36:21 PM



#12
Methyl Acetate
Concen: 22.311 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	18.1	27.1





#13

Acrolein

Concen: 71.019 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 38317

Ion Ratio Lower Upper

56 100

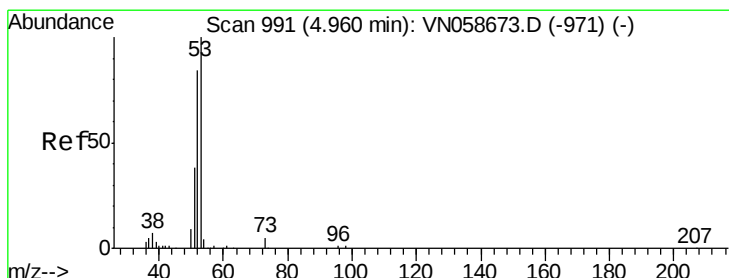
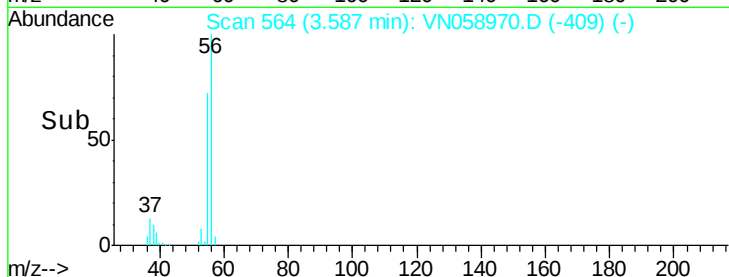
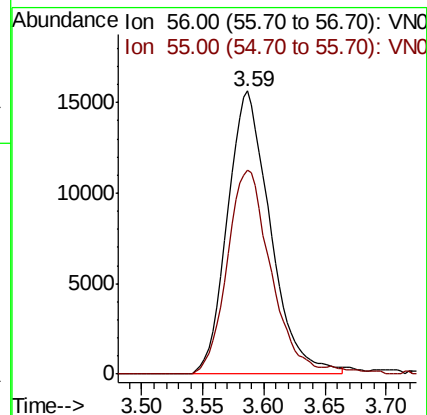
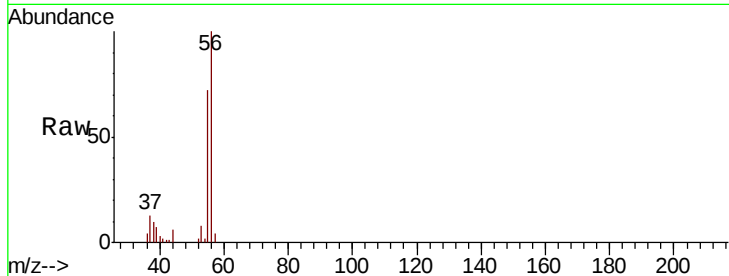
55 72.8 55.9 83.9

Manual Integrations

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#14

Acrylonitrile

Concen: 104.092 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

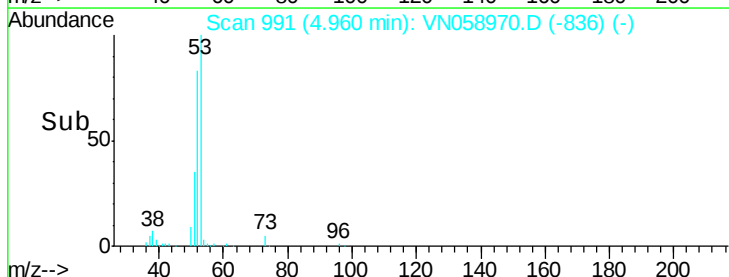
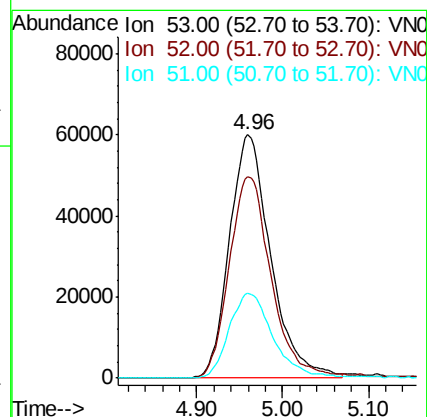
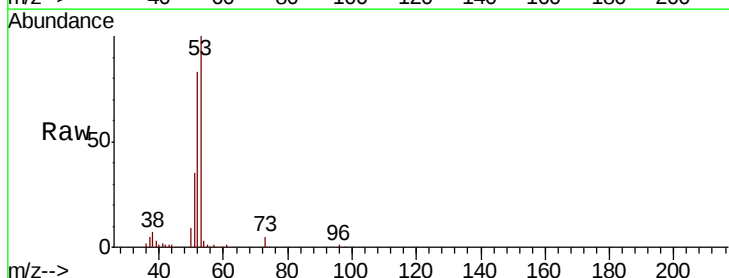
Tgt Ion: 53 Resp: 200275

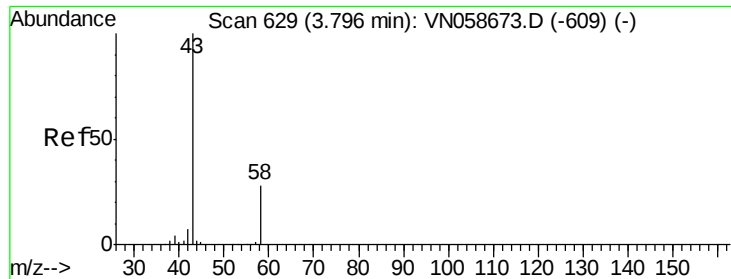
Ion Ratio Lower Upper

53 100

52 84.2 42.2 126.6

51 36.6 18.8 56.4





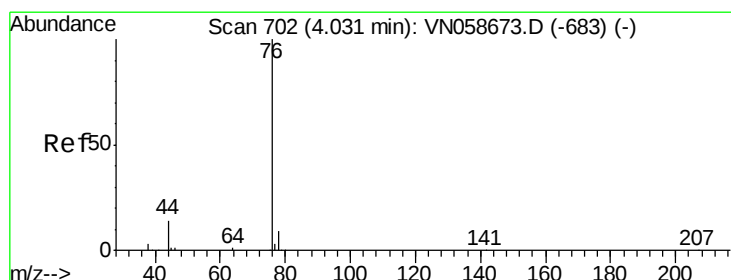
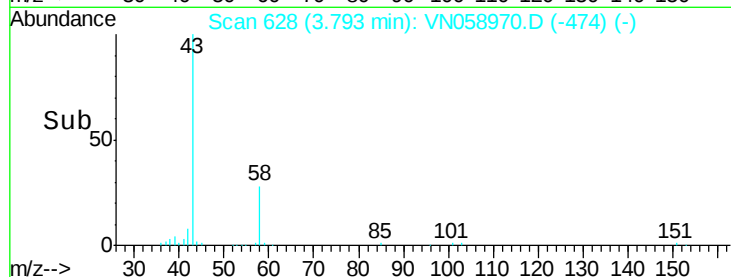
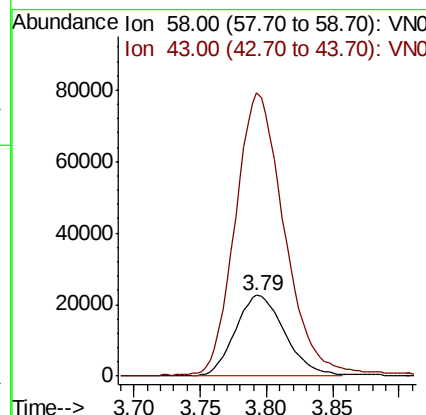
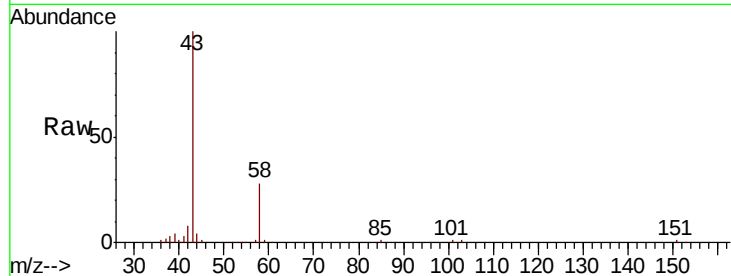
#15
Acetone
Concen: 101.888 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 58 Resp: 58190
Ion Ratio Lower Upper
58 100
43 350.5 281.7 422.5

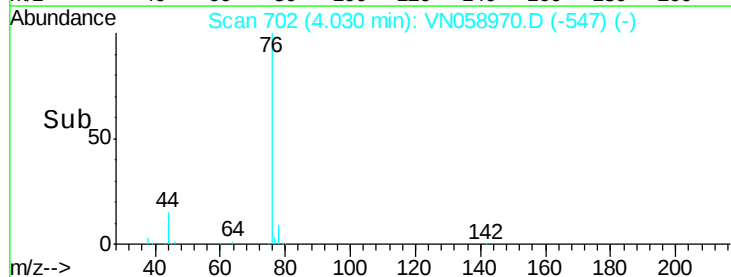
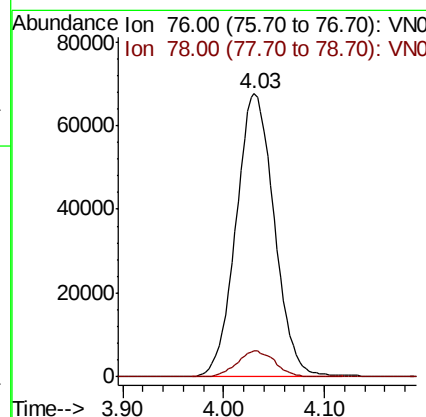
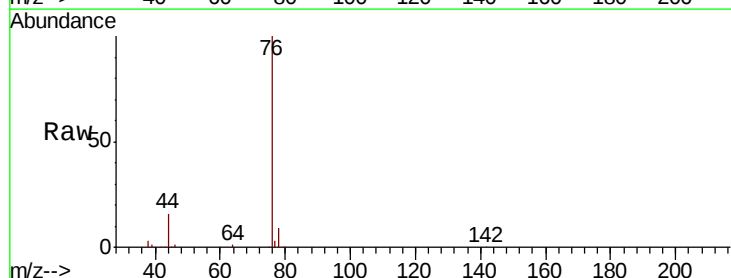
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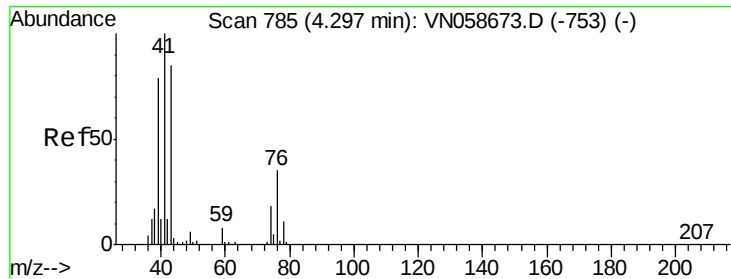
MMDadoda
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#16
Carbon Disulfide
Concen: 19.970 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion: 76 Resp: 177766
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0





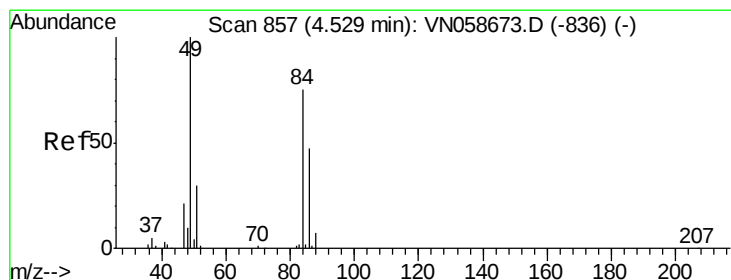
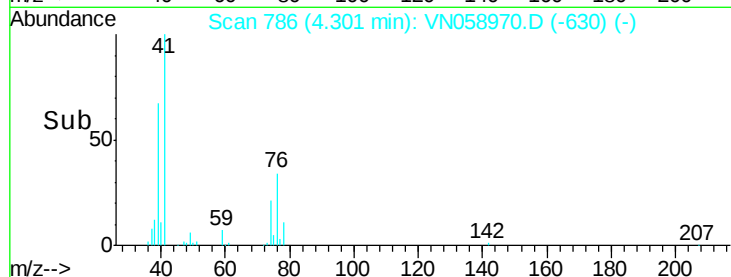
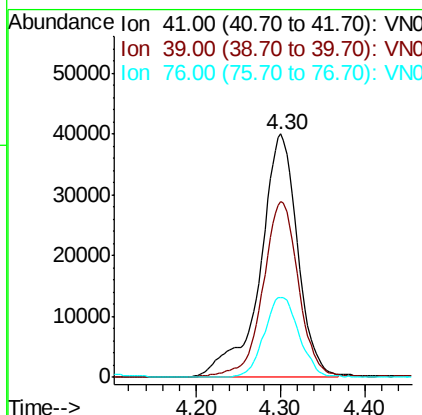
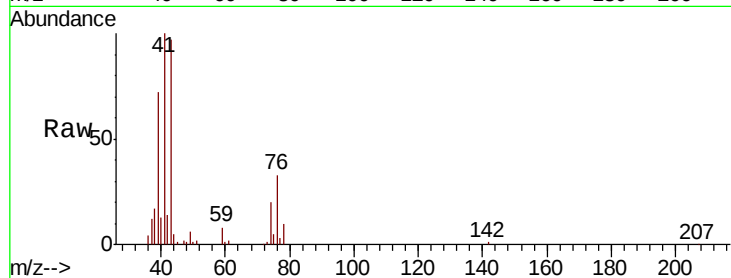
#17
Allvl chloride
Concen: 20.285 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.7	39.6	118.8
76	32.9	17.6	52.9

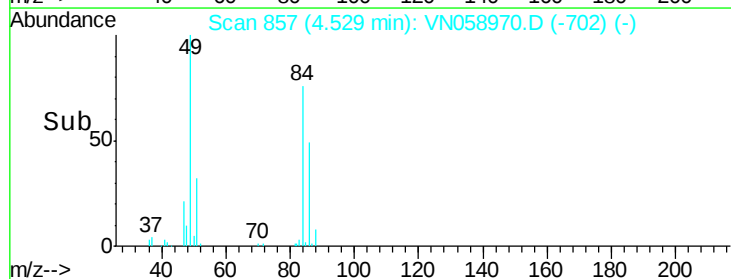
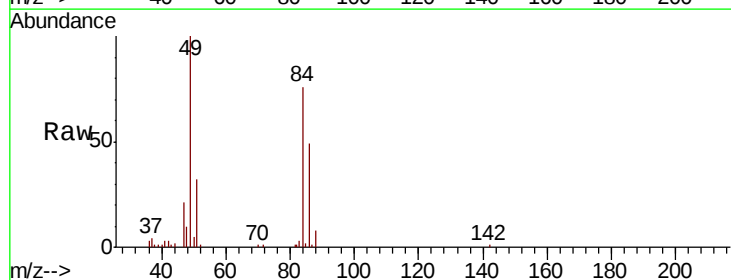
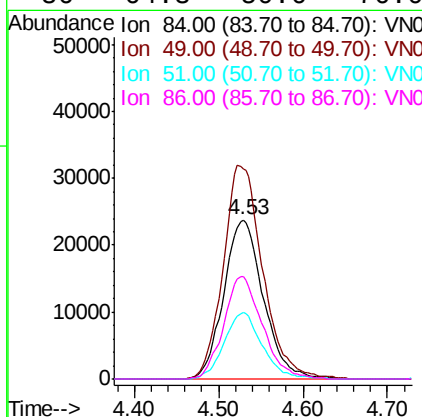
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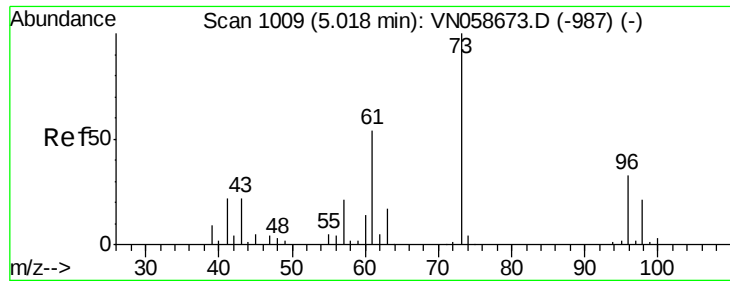
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#18
Methylene Chloride
Concen: 21.003 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.9	106.6	160.0
51	41.4	32.4	48.6
86	64.3	50.6	76.0





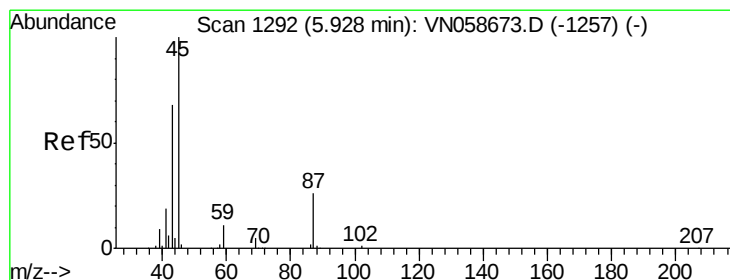
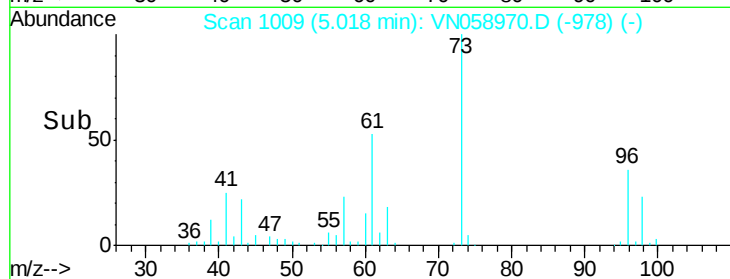
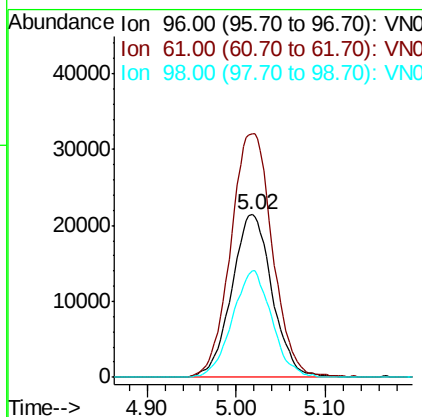
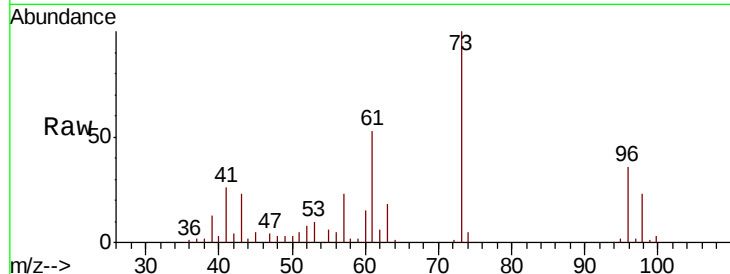
#19
trans-1,2-Dichloroethene
Concen: 20.377 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	149.4	131.8	197.6	
98	65.5	52.6	79.0	

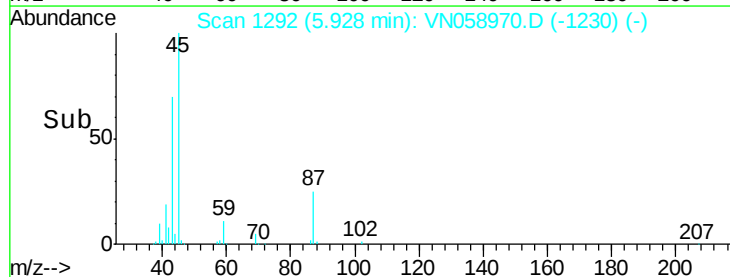
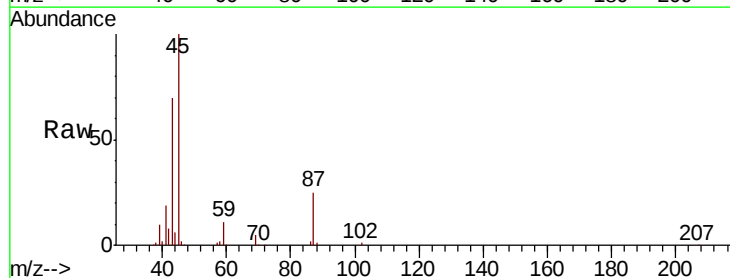
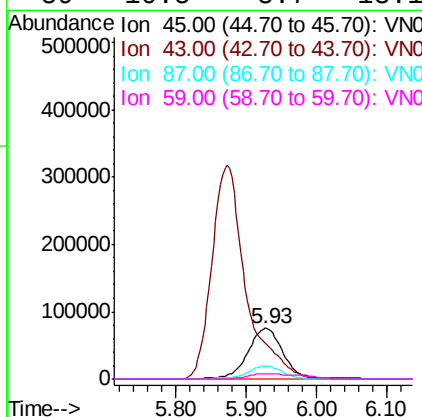
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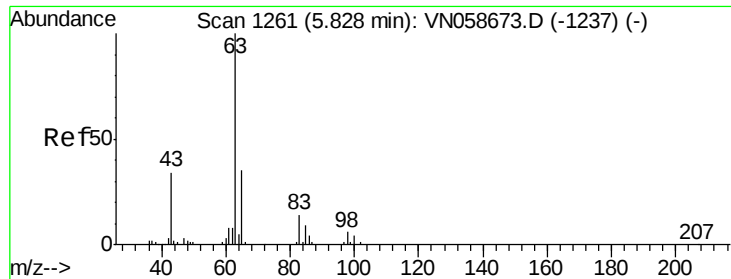
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#20
Diisopropyl ether
Concen: 20.967 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	67.7	54.7	82.1	
87	24.9	21.5	32.3	
59	10.5	8.7	13.1	





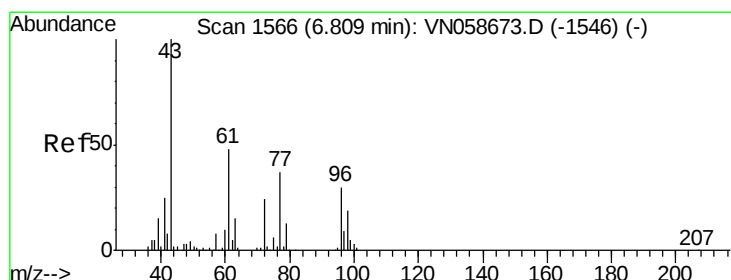
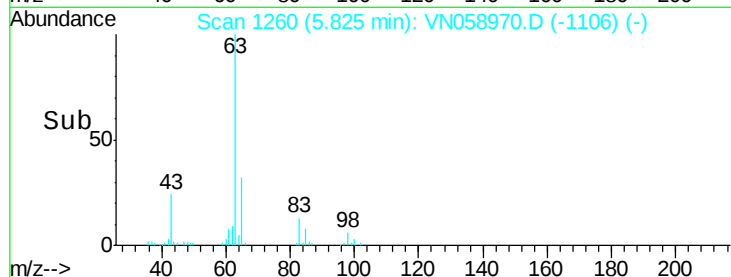
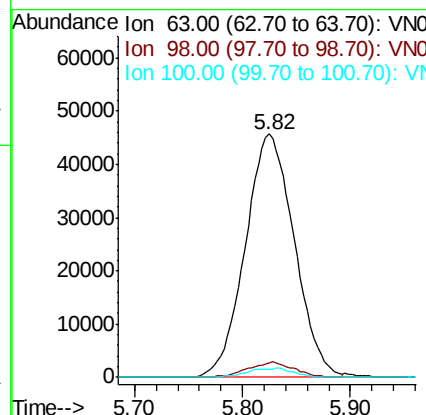
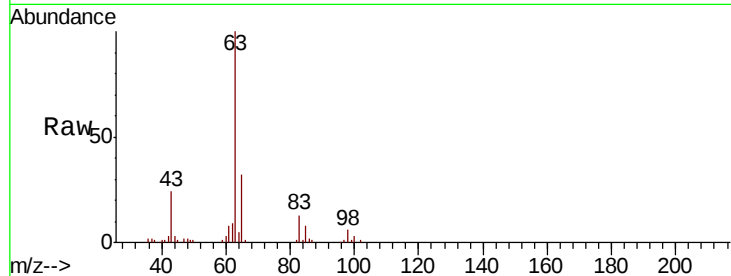
#21
 1,1-Dichloroethane
 Concen: 21.012 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	144004		
98	6.1	2.9	8.6	
100	3.2	1.8	5.5	

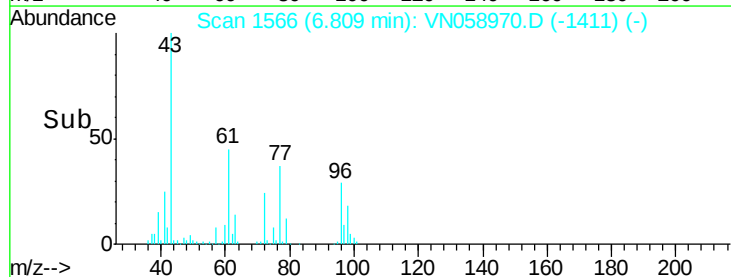
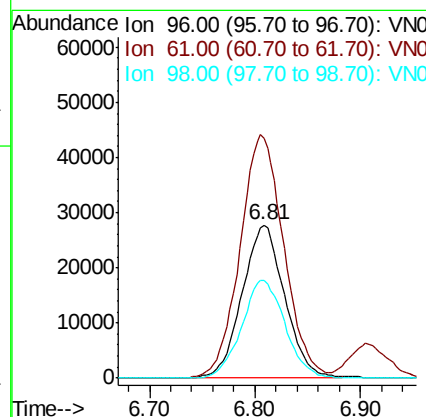
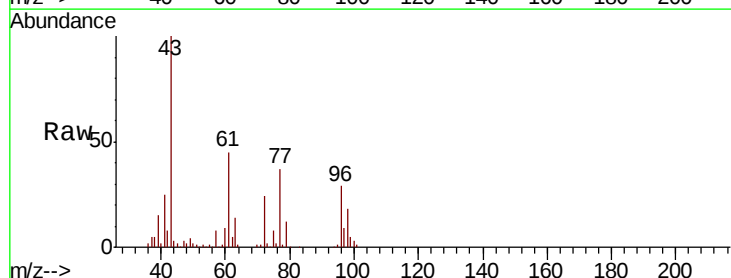
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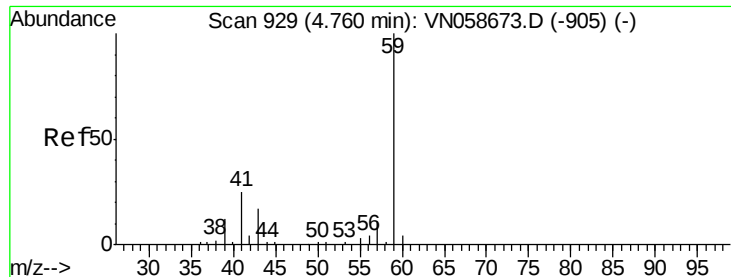
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#22
 cis-1,2-Dichloroethene
 Concen: 19.646 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	77827		
61	163.1	127.2	190.8	
98	64.9	50.5	75.7	





#23

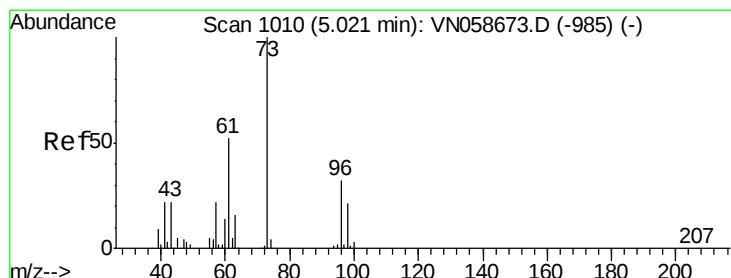
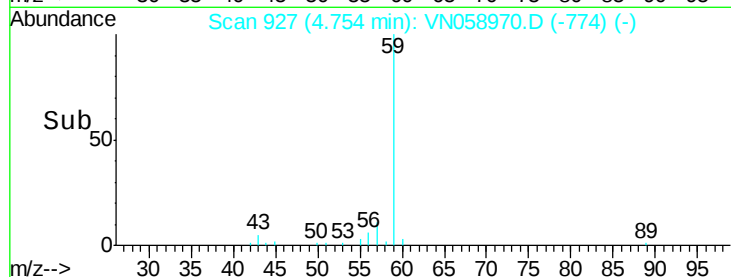
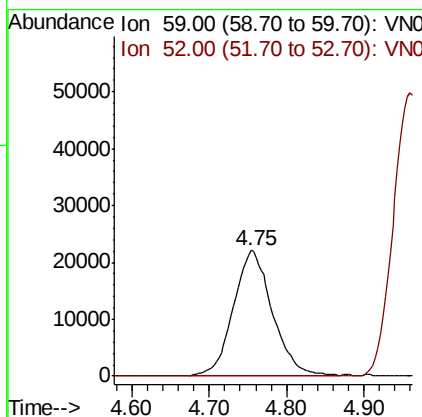
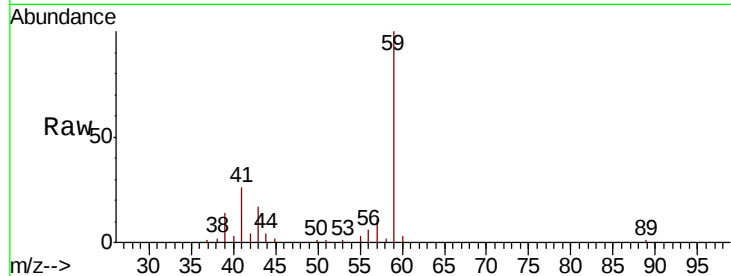
tert-Butyl Alcohol
 Concen: 98.721 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

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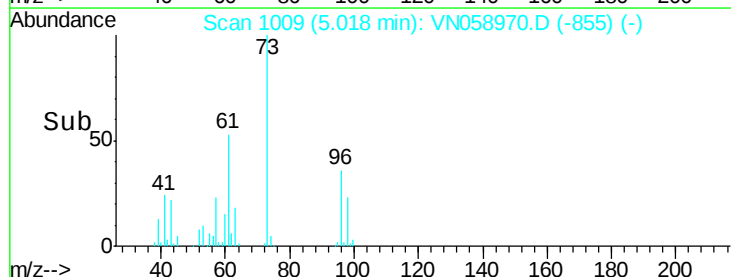
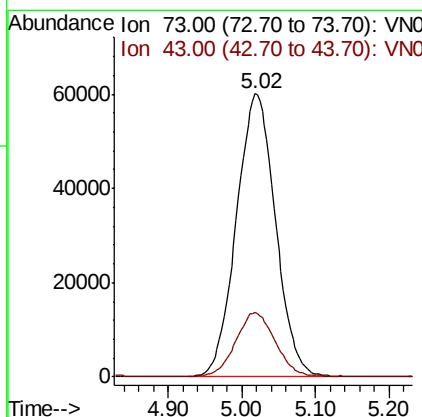
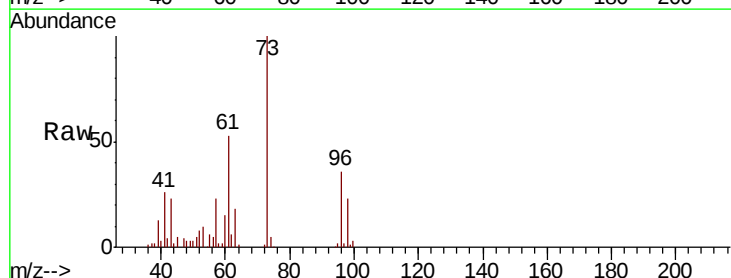
MMDadoda
 10/25/2019 2:36:21 PM

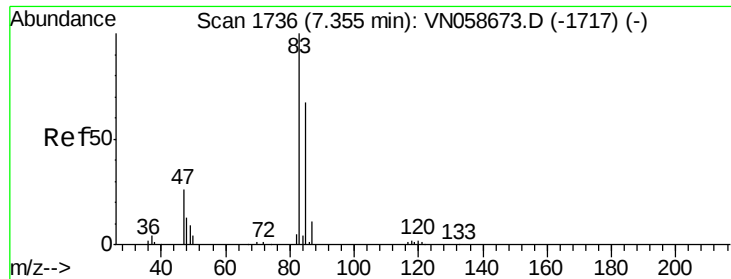


#24

Methyl tert-Butyl Ether
 Concen: 19.494 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.8	17.9	26.9





#25

Chloroform

Concen: 20.756 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 141875

Ion Ratio Lower Upper

83 100

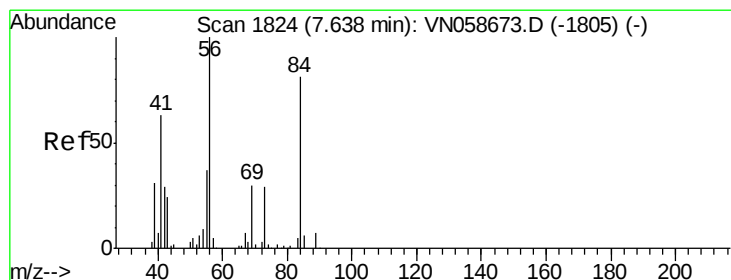
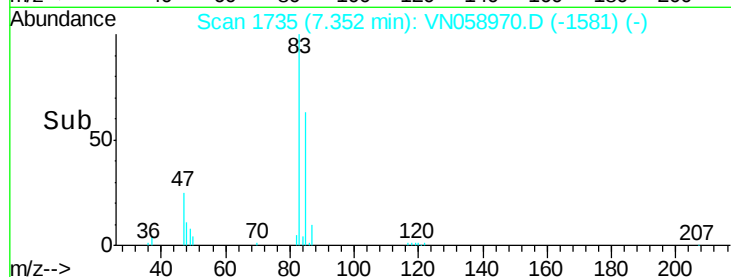
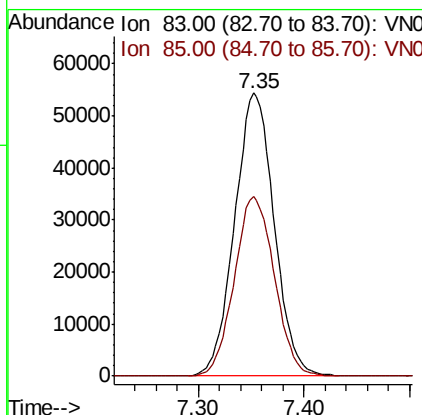
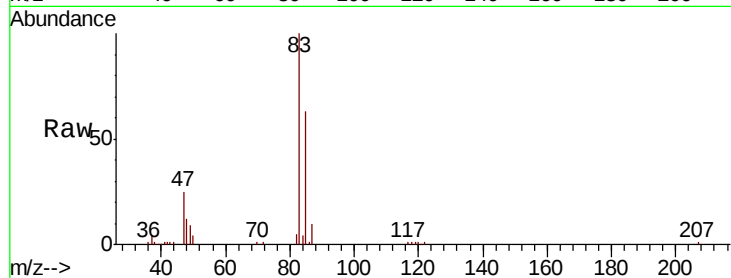
85 63.4 53.8 80.8

Manual Integrations

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#26

Cyclohexane

Concen: 19.309 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

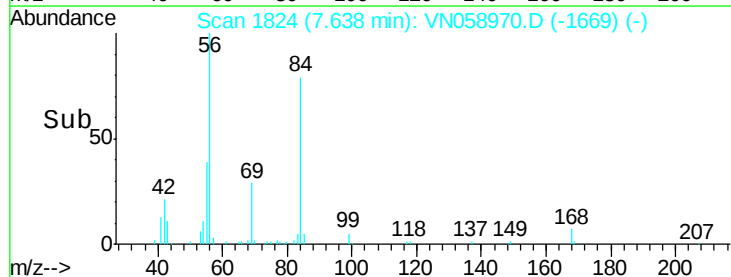
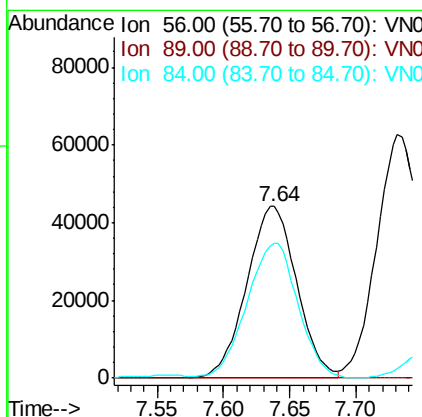
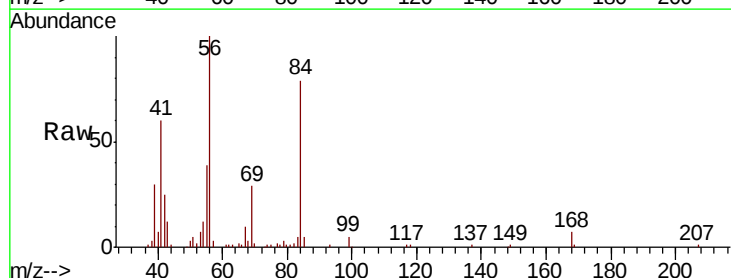
Tgt Ion: 56 Resp: 116152

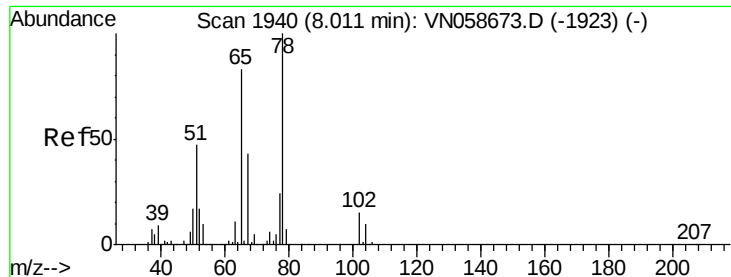
Ion Ratio Lower Upper

56 100

89 0.0 6.2 9.2#

84 80.2 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 32.306 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 159939

Ion Ratio Lower Upper

65 100

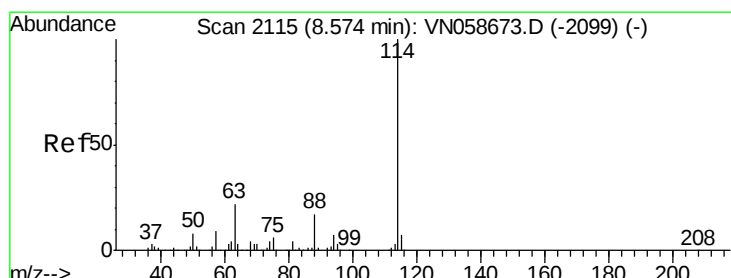
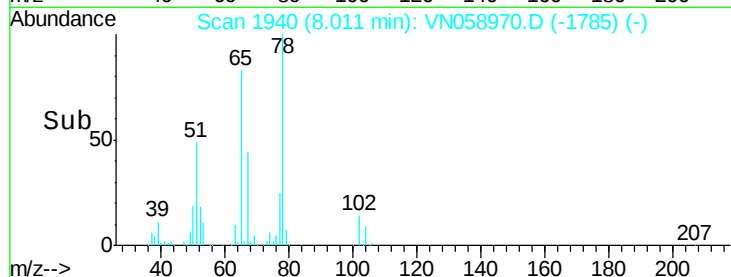
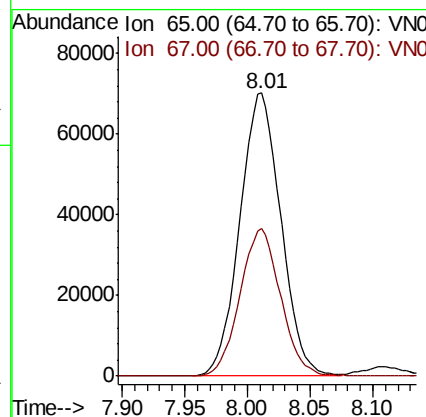
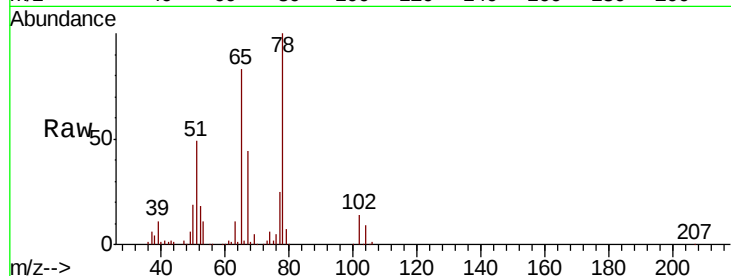
67 51.6 41.5 62.3

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

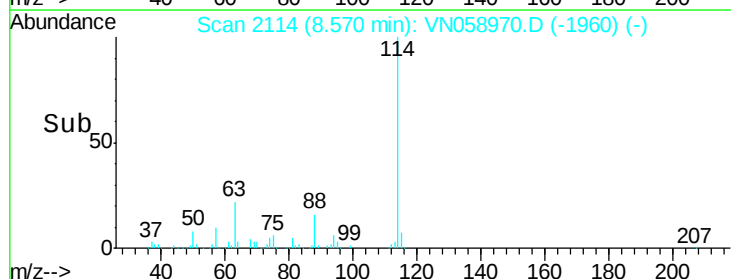
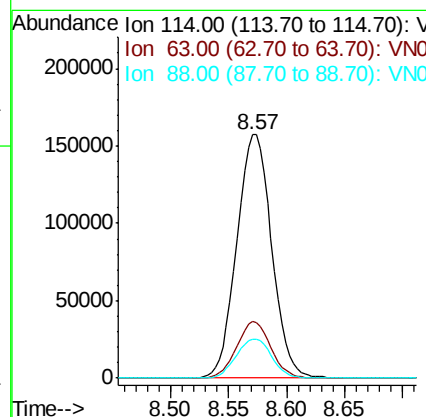
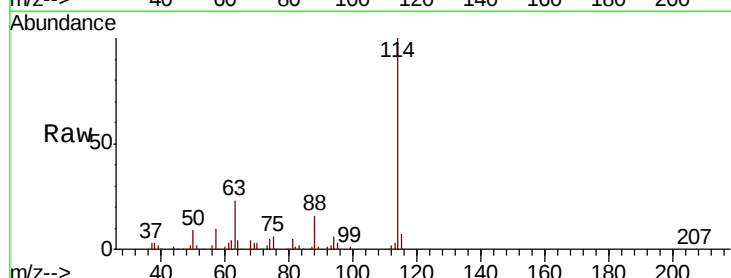
Tgt Ion: 114 Resp: 328835

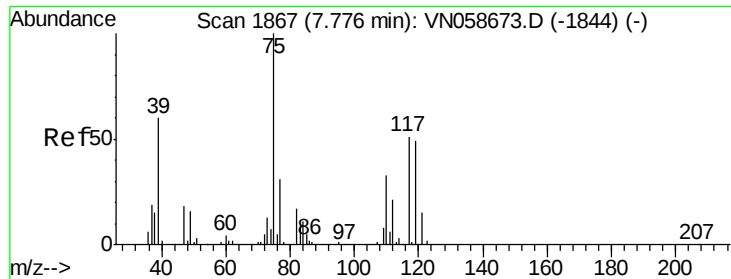
Ion Ratio Lower Upper

114 100

63 22.7 18.1 27.1

88 16.4 13.0 19.4





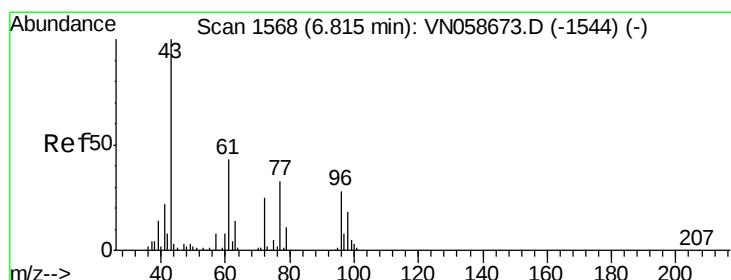
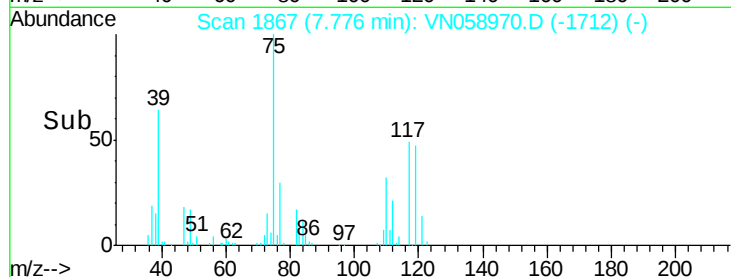
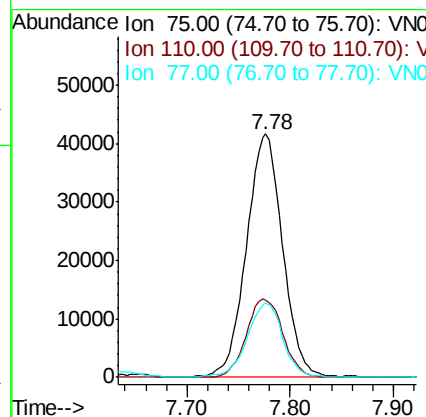
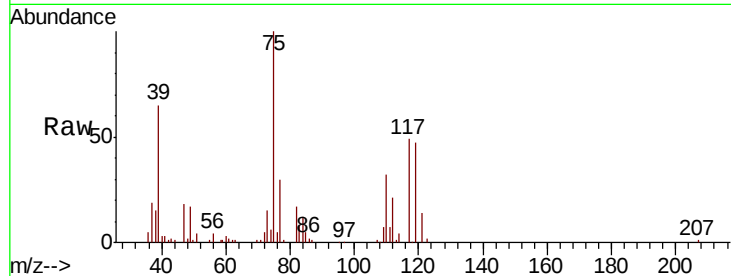
#29
 1,1-Dichloropropene
 Concen: 19.628 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.5	0.0	64.6
77	30.0	0.0	60.8

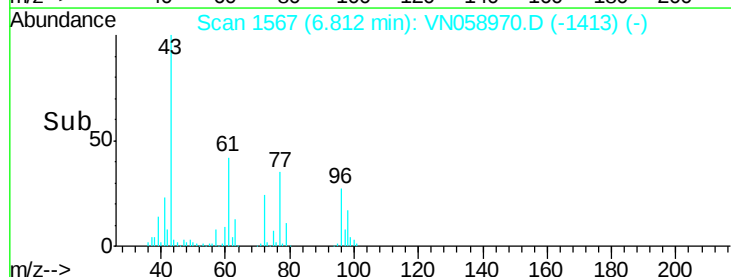
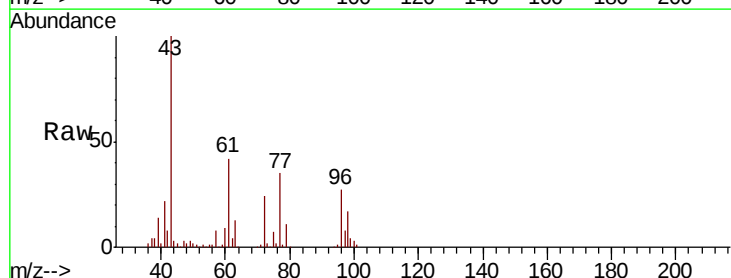
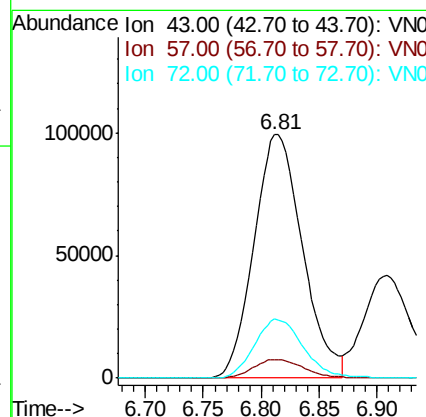
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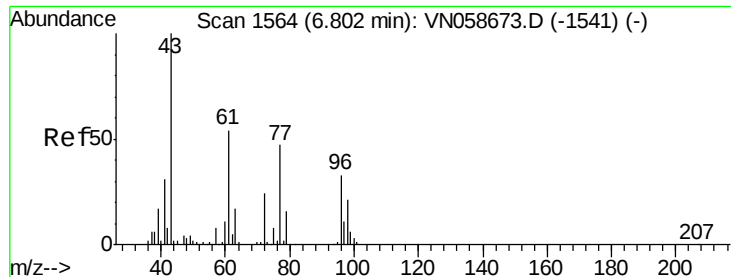
MMDadoda
 10/25/2019 2:36:21 PM



#30
 2-Butanone
 Concen: 98.417 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	6.5	9.7
72	24.6	20.1	30.1





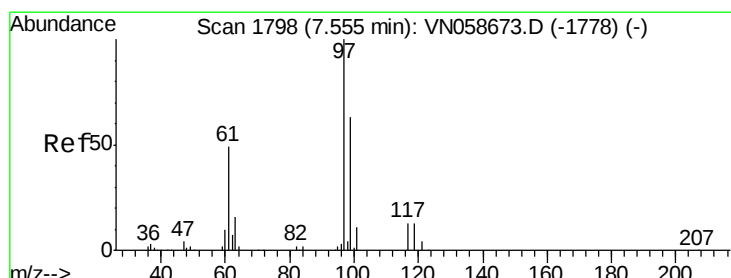
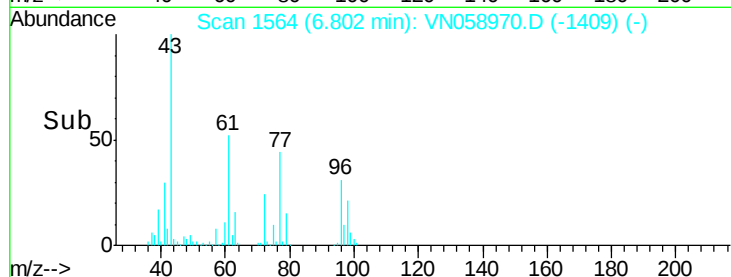
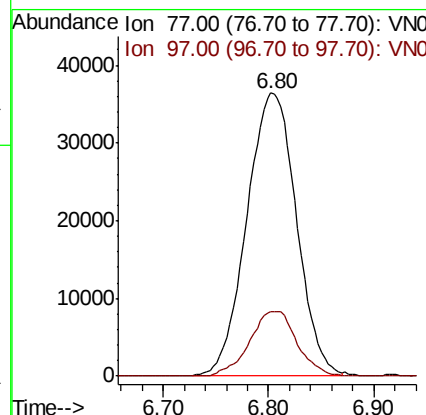
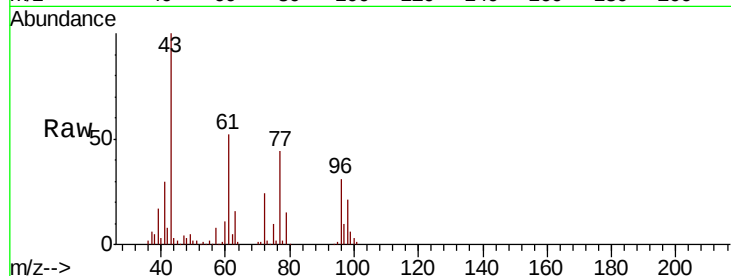
#31
 2,2-Dichloropropane
 Concen: 19.546 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.8	17.9	26.9

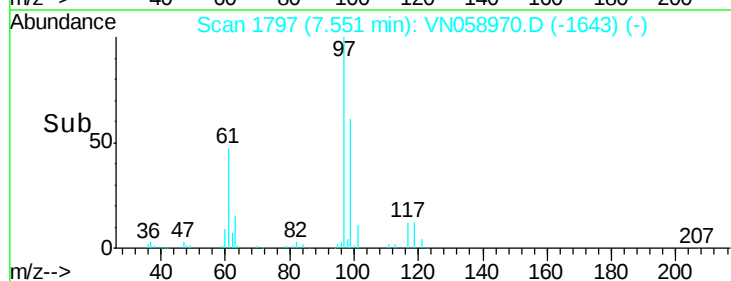
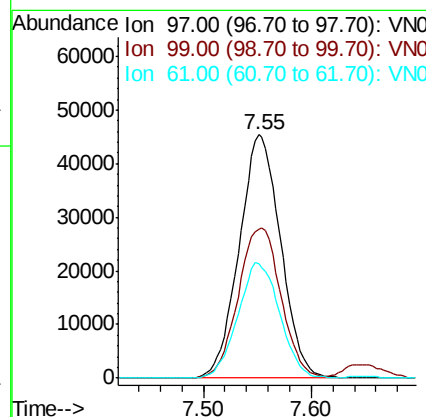
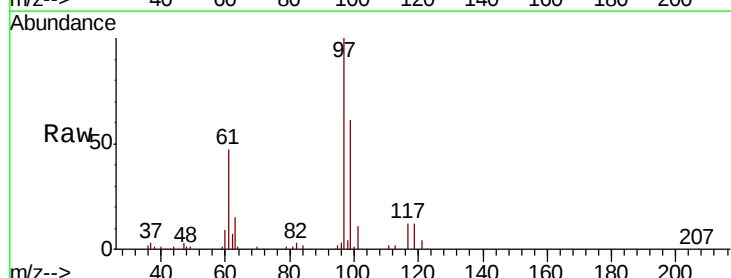
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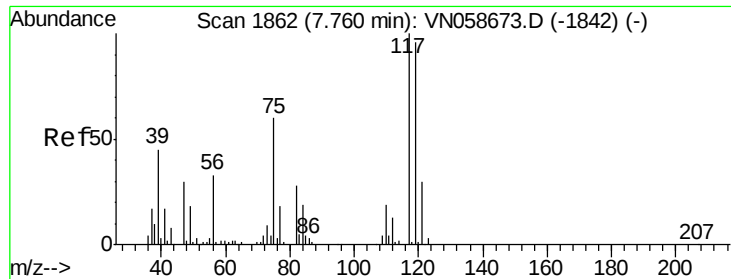
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 20.249 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.3	76.9
61	47.9	38.4	57.6





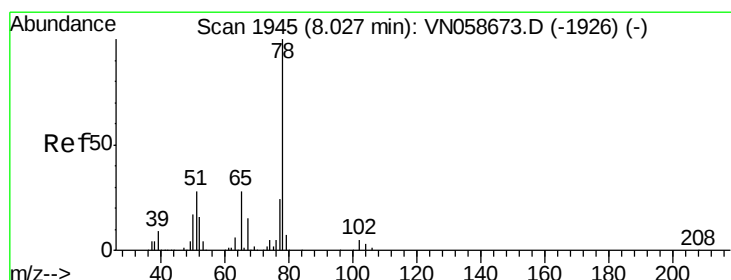
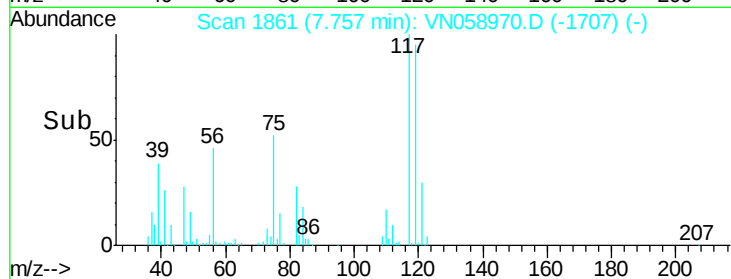
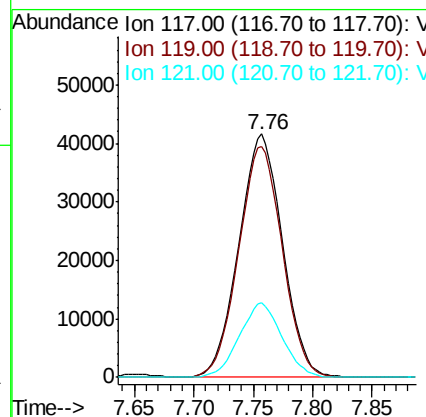
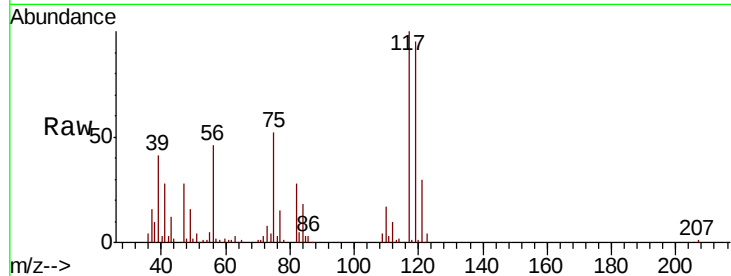
#33
Carbon Tetrachloride
Concen: 20.353 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.9	115.3
121	30.5	23.8	35.8

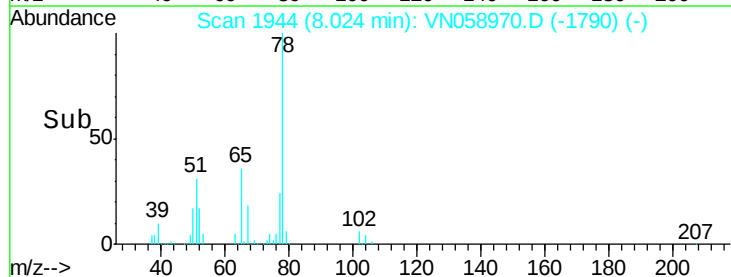
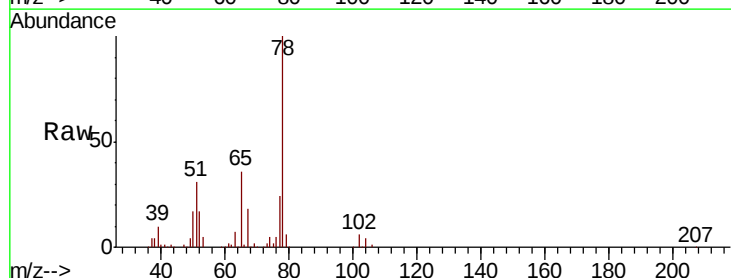
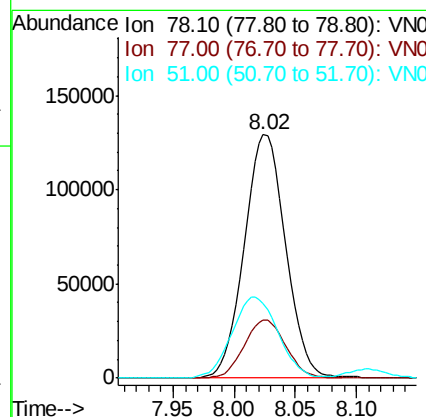
Manual Integrations
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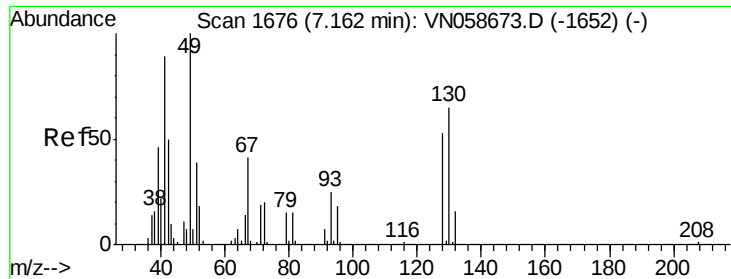
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#34
Benzene
Concen: 19.850 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8
51	30.3	22.1	33.1





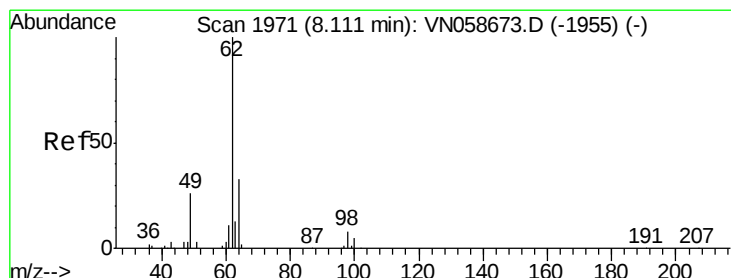
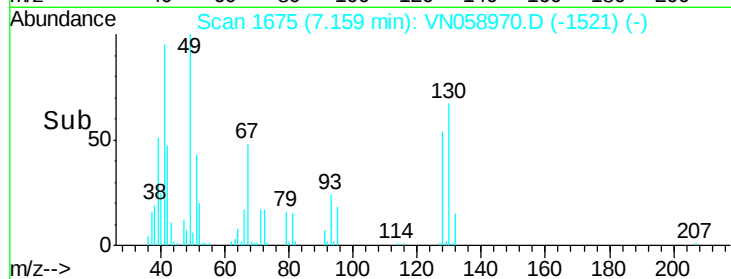
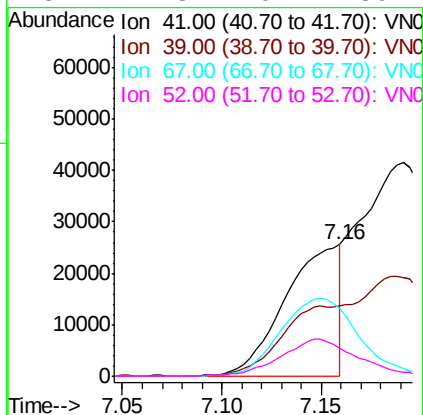
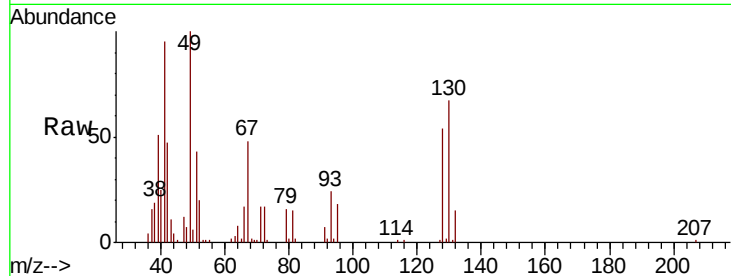
#35
Methacrylonitrile
Concen: 19.100 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	41	Resp	49355
Ion	Ratio	Lower	Upper
41	100		
39	53.5	25.8	77.4
67	51.2	23.0	69.0
52	21.3	10.1	30.1

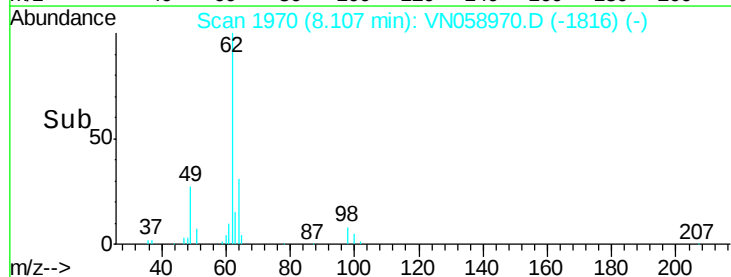
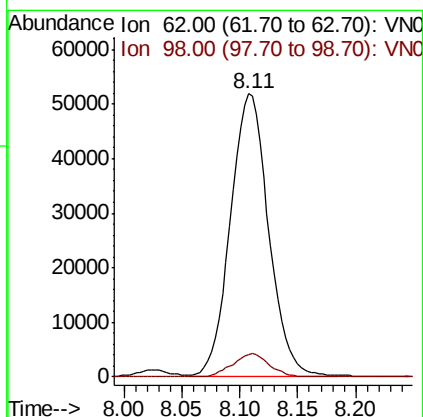
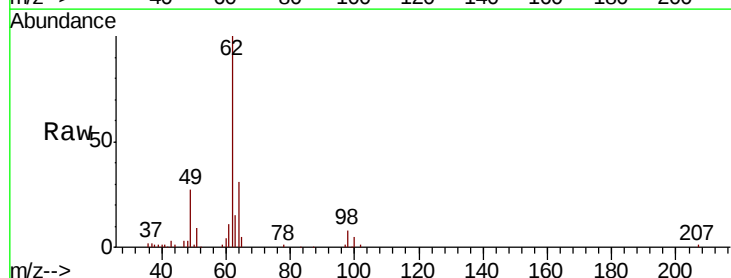
Manual Integrations
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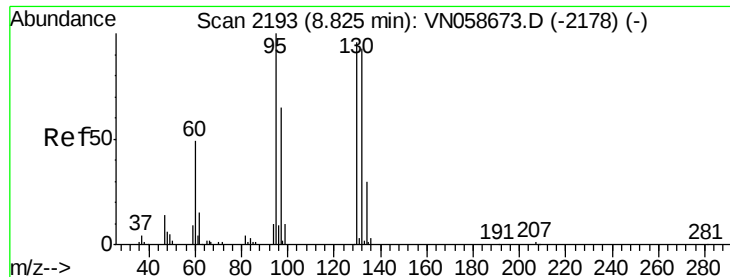
MMDadoda
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#36
1,2-Dichloroethane
Concen: 20.437 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	62	Resp	119075
Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.4	9.6





#37

Trichloroethene

Concen: 19.380 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 72557

Ion Ratio Lower Upper

130 100

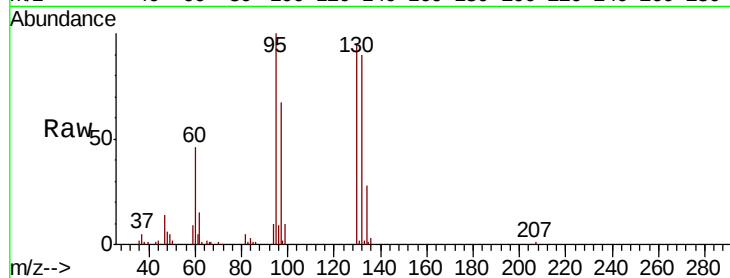
95 105.1 83.2 124.8

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO

8.82

40000

30000

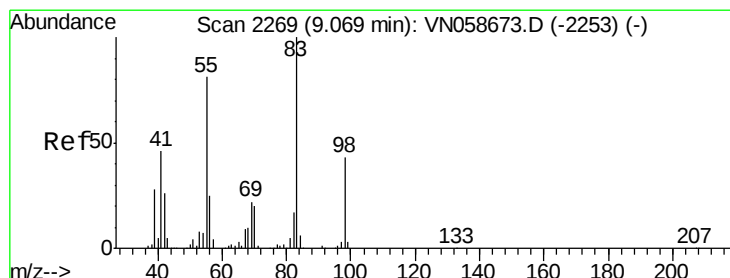
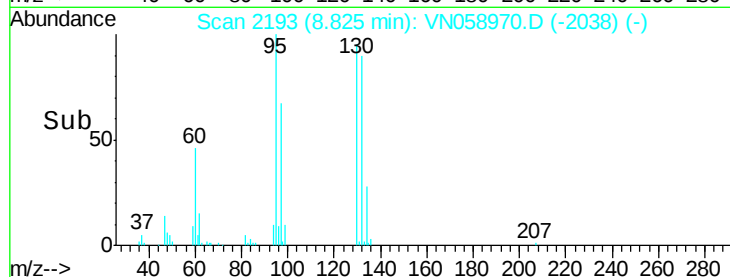
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 17.752 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

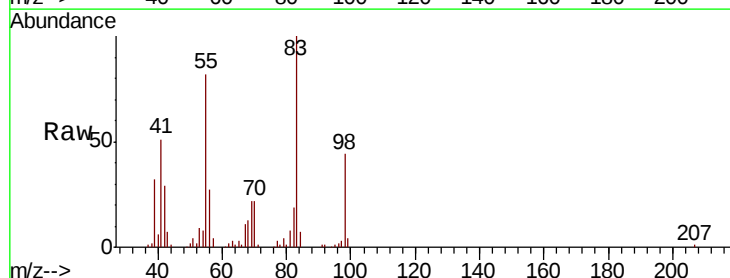
Tgt Ion: 83 Resp: 106542

Ion Ratio Lower Upper

83 100

55 83.8 40.4 121.1

98 44.0 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

9.07

60000

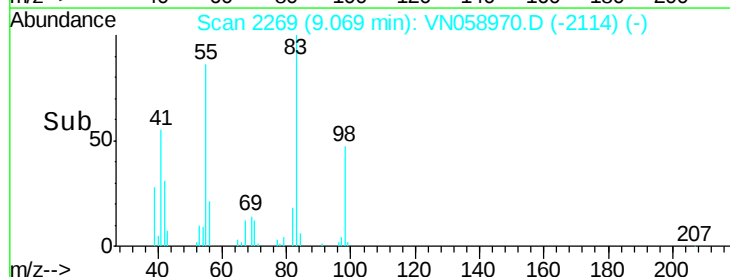
40000

20000

0

9.00 9.05 9.10 9.15

Time-->





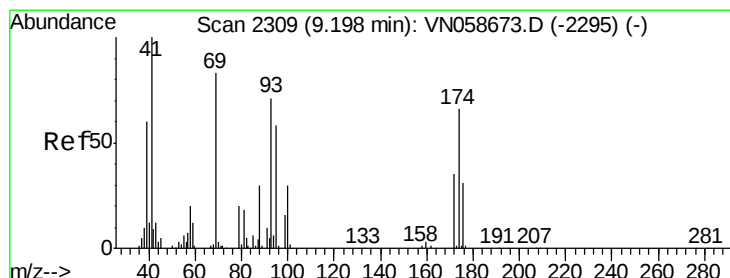
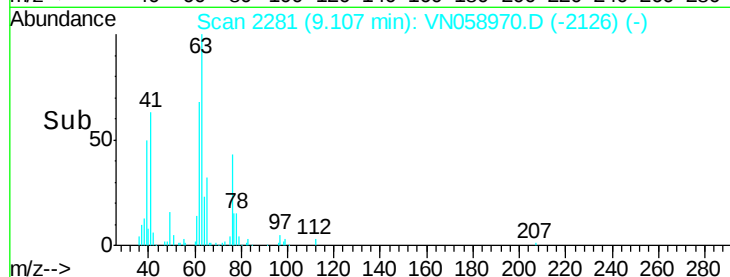
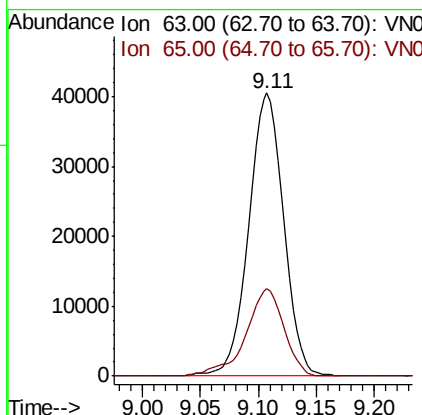
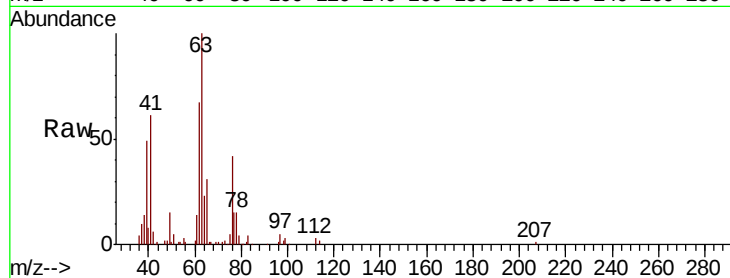
#39
 1,2-Dichloropropane
 Concen: 20.435 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	63	Resp	85103
Ion Ratio	Lower	Upper	
63	100		
65	30.8	23.8	35.6

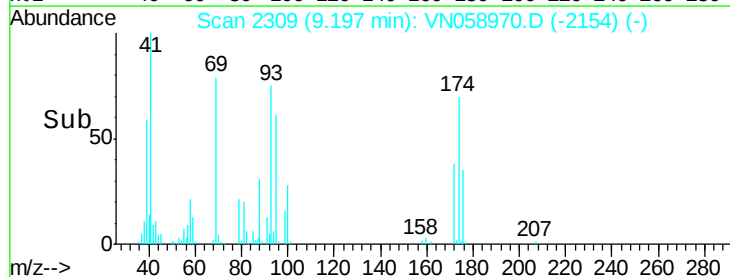
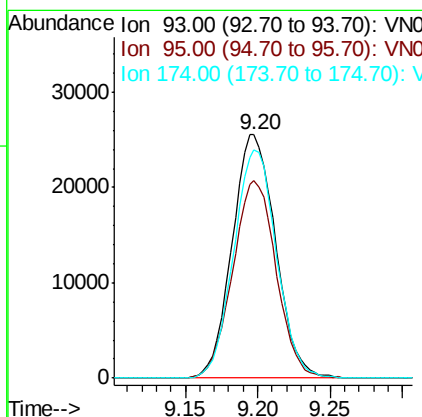
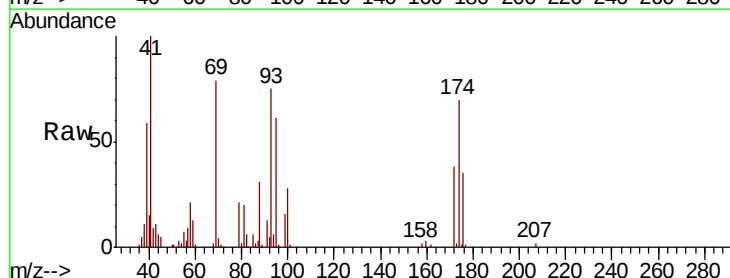
Manual Integrations
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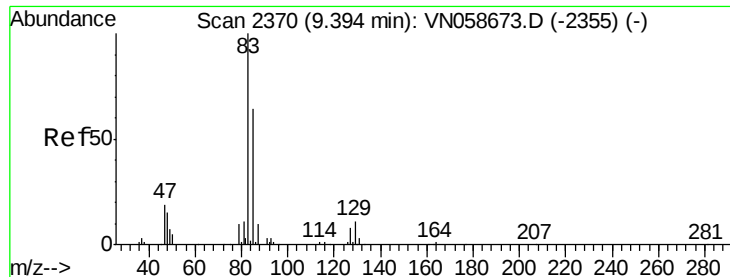
MMDadoda
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#40
 Dibromomethane
 Concen: 20.216 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Tgt Ion	93	Resp	53150
Ion Ratio	Lower	Upper	
93	100		
95	81.0	0.0	167.6
174	92.8	0.0	187.2





#41

Bromodichloromethane

Concen: 20.384 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

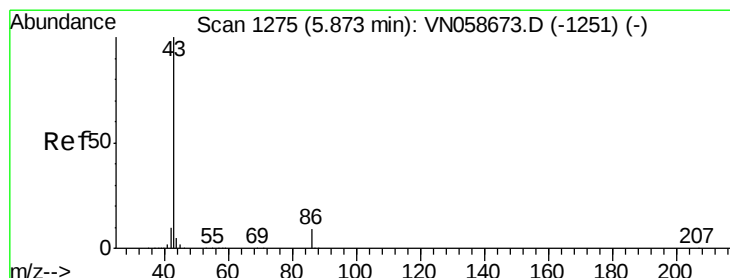
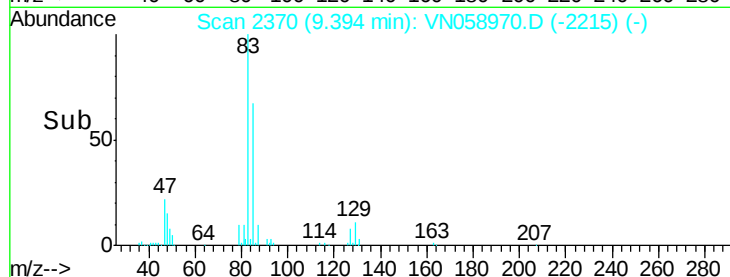
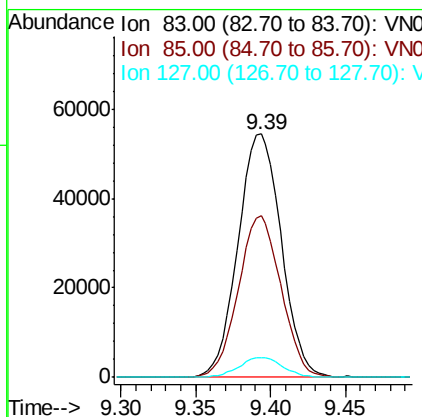
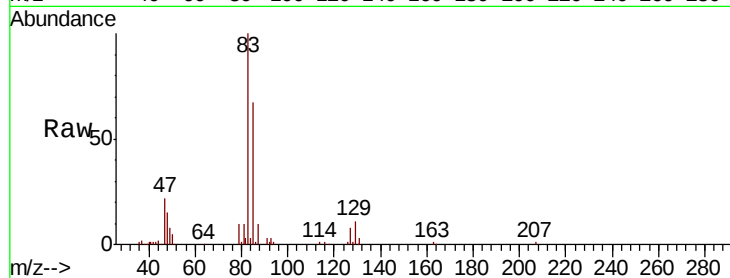
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	109480
Ion Ratio	Lower	Upper	
83	100		
85	66.5	51.0	76.4
127	8.3	6.6	9.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 104.075 ug/l

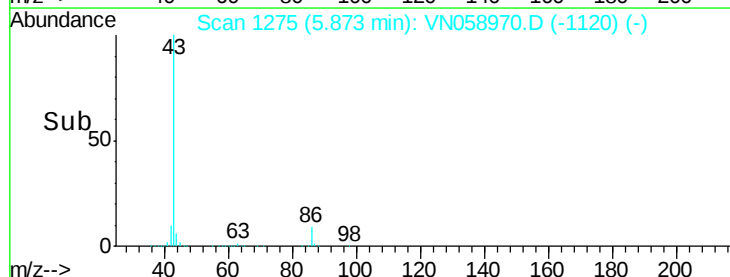
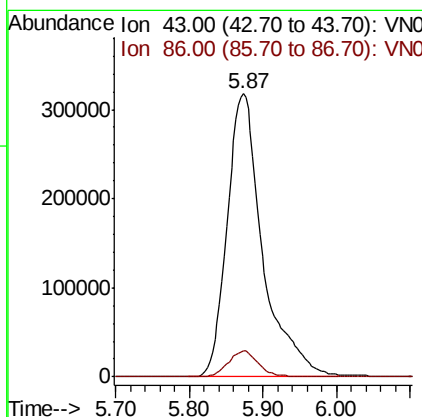
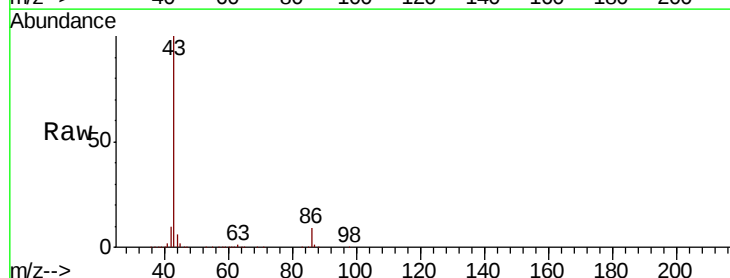
RT: 5.87 min Scan# 1275

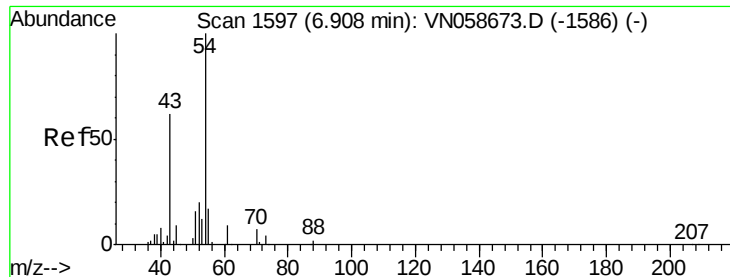
Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Tgt Ion:	43	Resp:	1066203
Ion Ratio	Lower	Upper	
43	100		
86	7.8	6.5	9.7





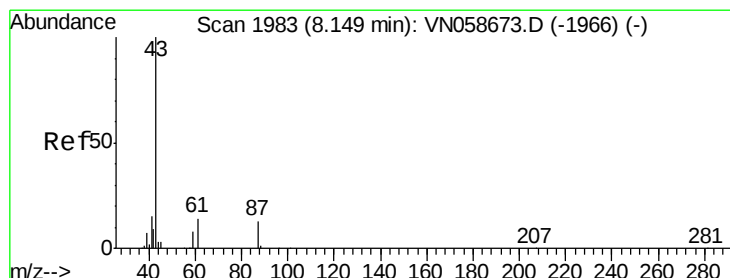
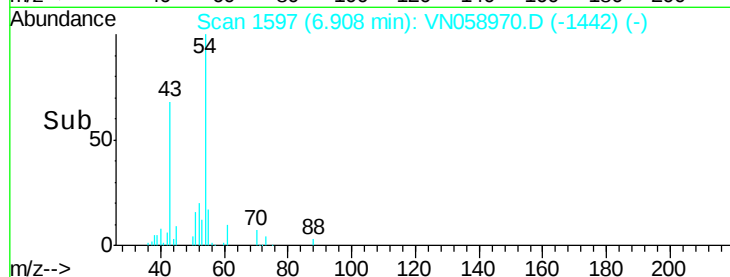
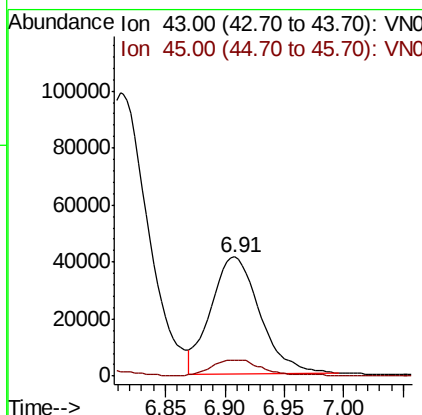
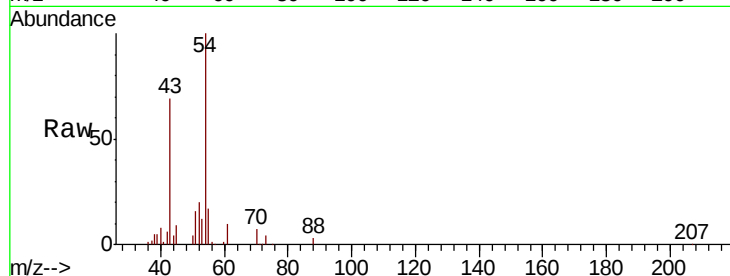
#43
Ethyl Acetate
Concen: 20.538 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Ratio	Lower	Upper
117916	100			
45	12.5	9.7	14.5	

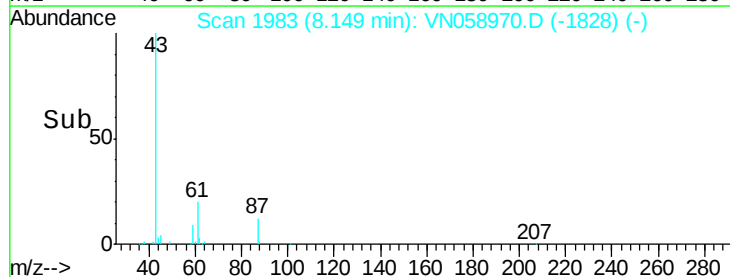
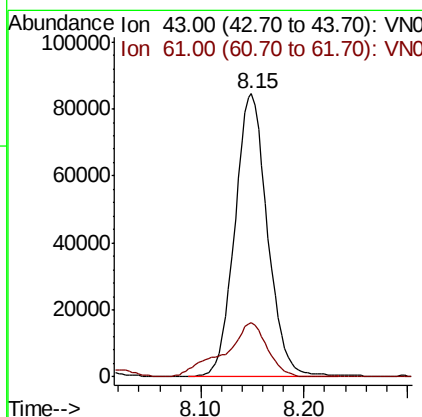
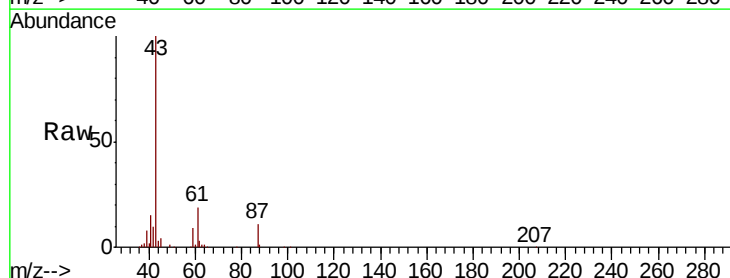
Manual Integrations
APPROVED

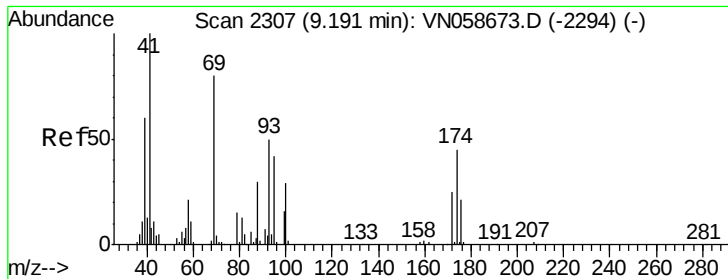
MMDadoda
10/25/2019 2:36:21 PM



#44
Isopropyl Acetate
Concen: 19.823 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	43	Ratio	Lower	Upper
184354	100			
61	25.5	19.9	29.9	





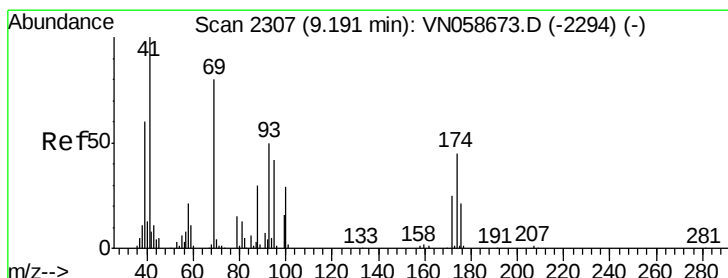
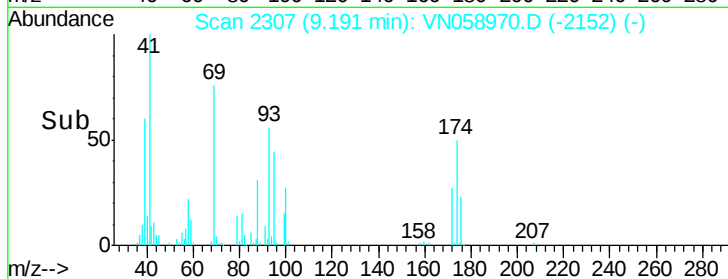
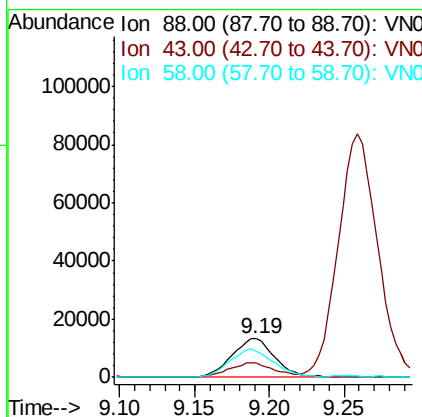
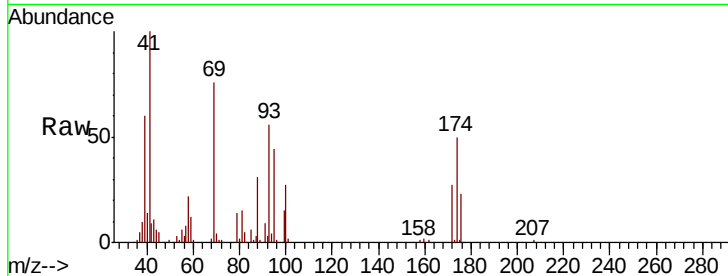
#45
 1,4-Dioxane
 Concen: 373.263 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	29.8	44.8
58	75.6	58.2	87.4

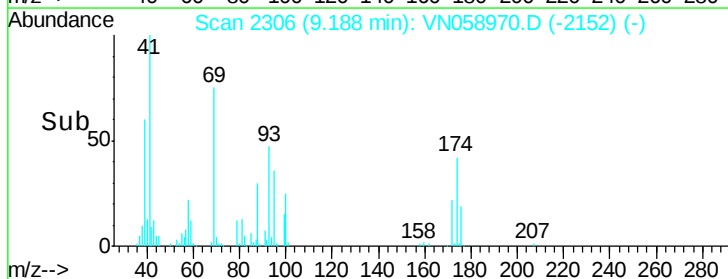
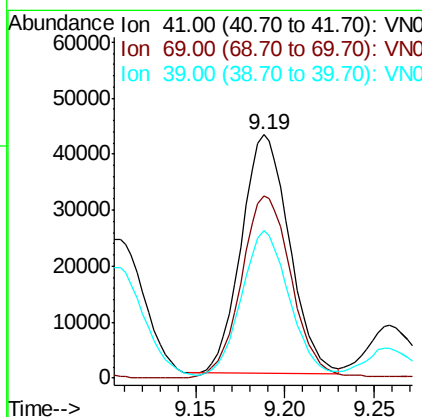
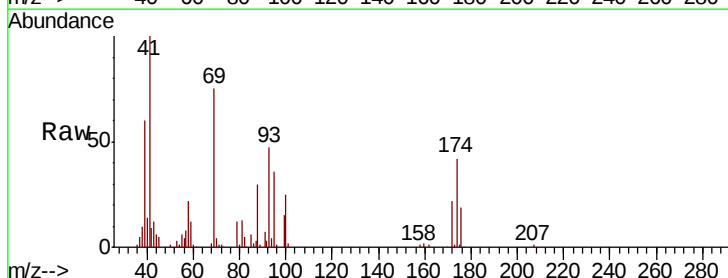
Manual Integrations
 APPROVED

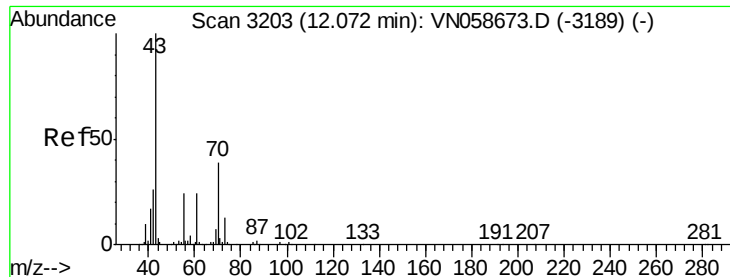
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#46
 Methyl methacrylate
 Concen: 18.873 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.6	40.2	120.5
39	60.0	29.9	89.8





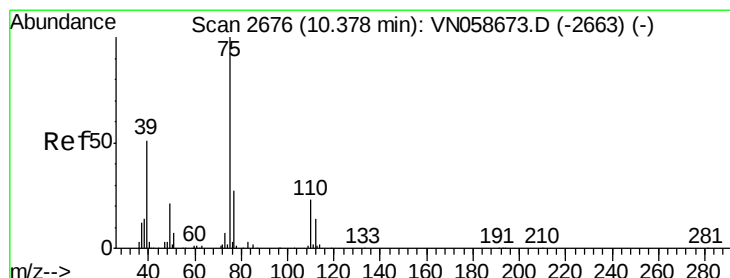
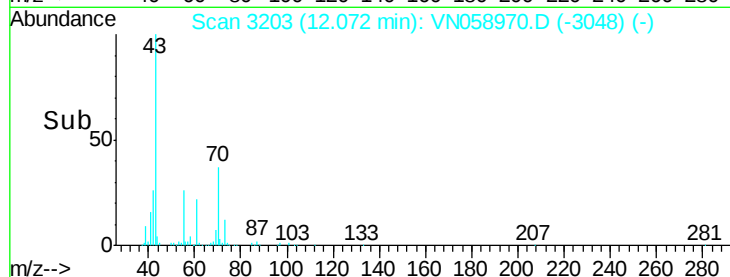
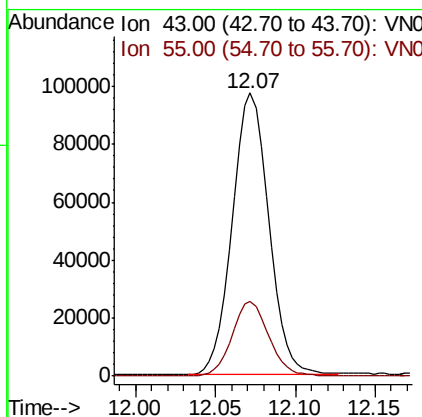
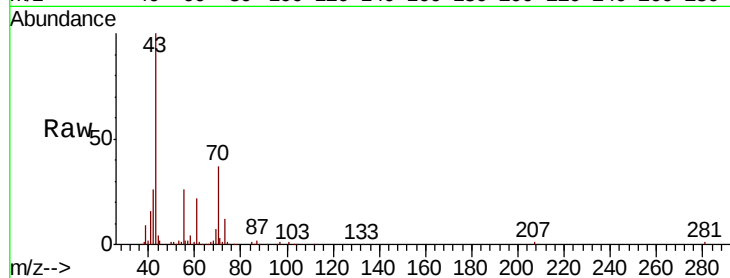
#47
n-amvl Acetate
Concen: 18.311 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 150955
Ion Ratio Lower Upper
43 100
55 26.7 19.6 29.4

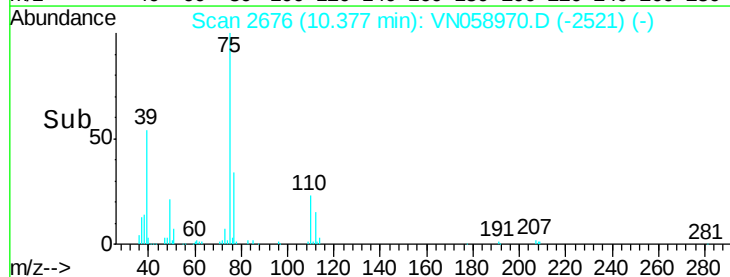
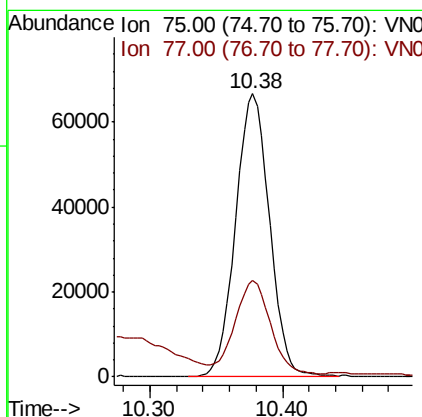
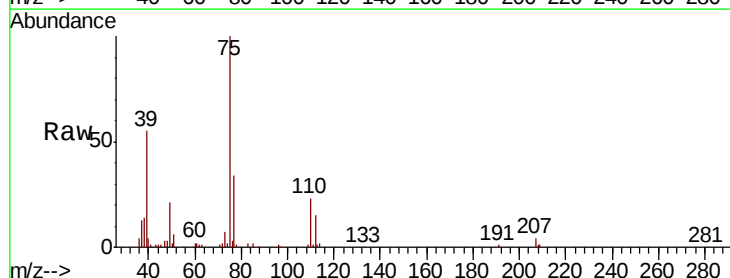
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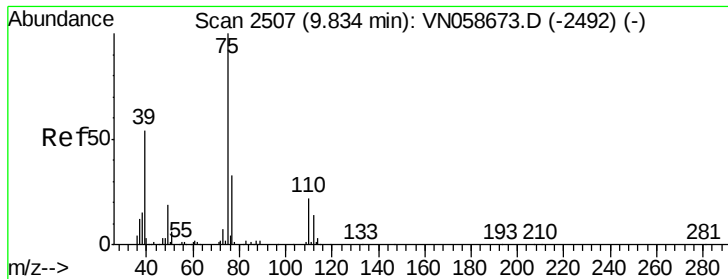
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#48
t-1,3-Dichloropropene
Concen: 19.103 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion: 75 Resp: 118994
Ion Ratio Lower Upper
75 100
77 32.6 27.0 40.4





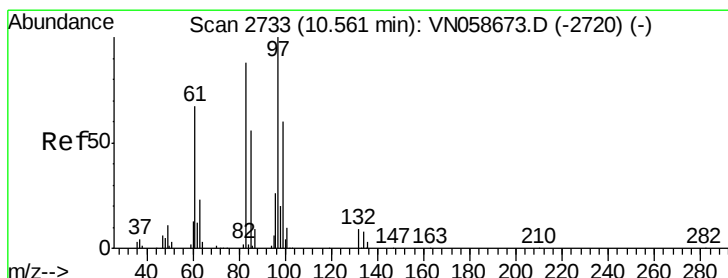
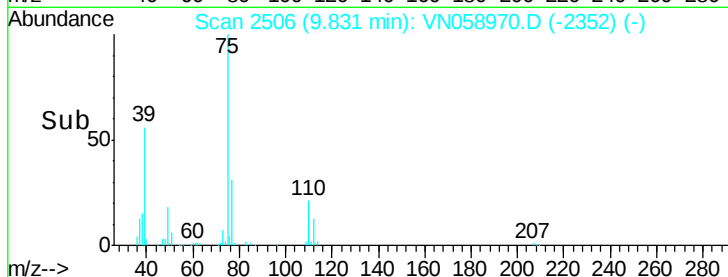
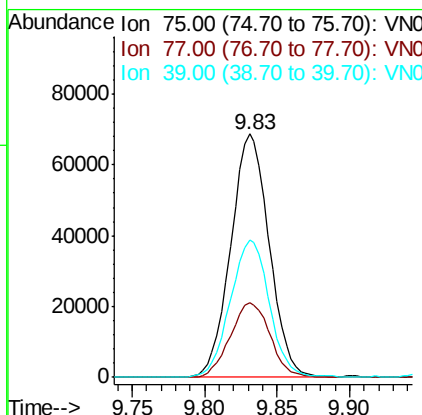
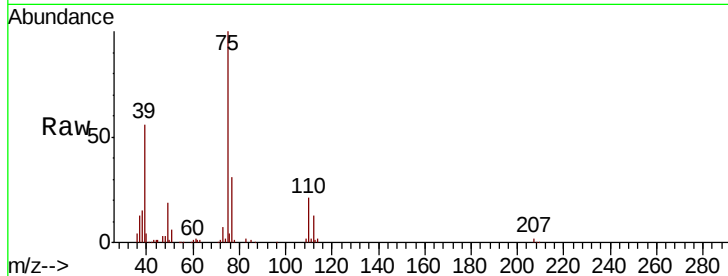
#49
 cis-1,3-Dichloropropene
 Concen: 19.331 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	126446
Ion Ratio	Lower	Upper	
75	100		
77	30.7	26.1	39.1
39	56.0	43.1	64.7

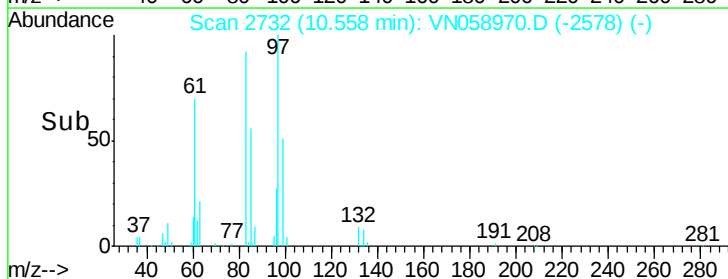
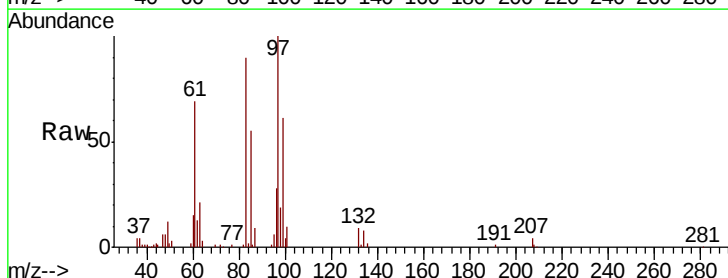
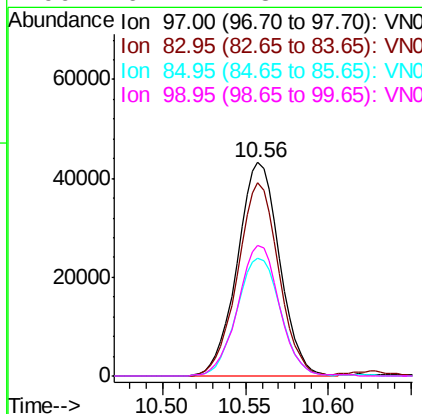
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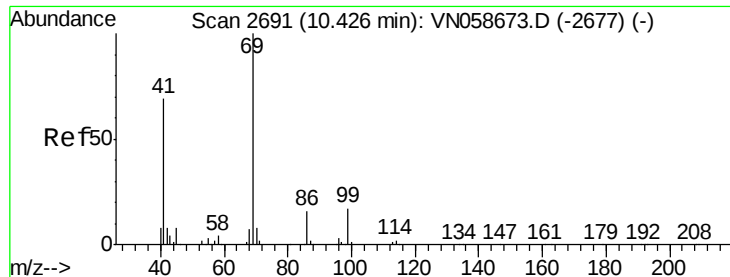
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#50
 1,1,2-Trichloroethane
 Concen: 20.474 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Tgt Ion:	97	Resp:	76844
Ion Ratio	Lower	Upper	
97	100		
83	90.2	70.7	106.1
85	55.1	45.1	67.7
99	61.1	48.2	72.4





#51

Ethyl methacrylate

Concen: 18.336 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

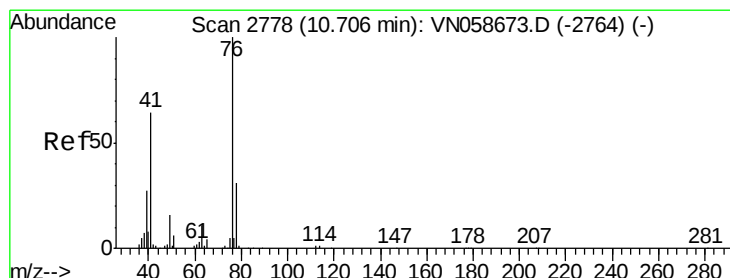
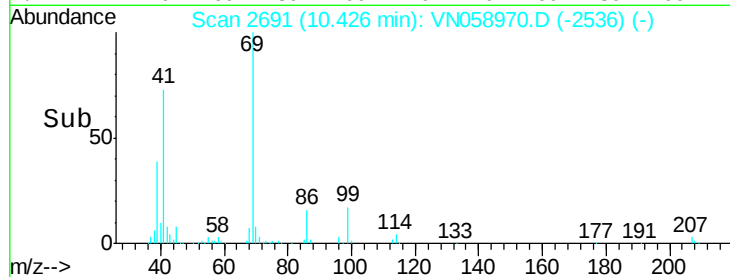
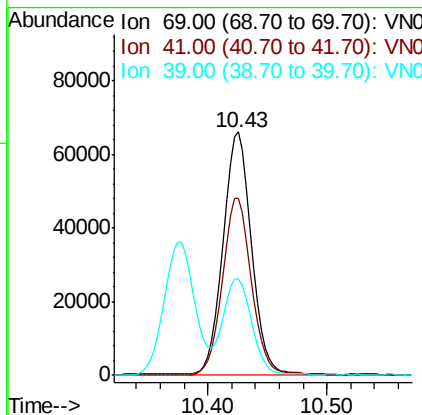
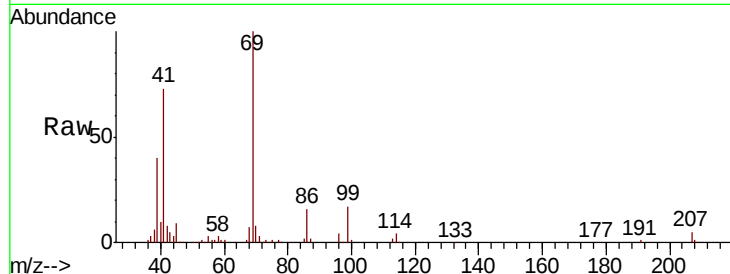
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	110038
Ion	Ratio	Lower	Upper
69	100		
41	72.6	34.7	104.1
39	39.1	20.3	60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.594 ug/l

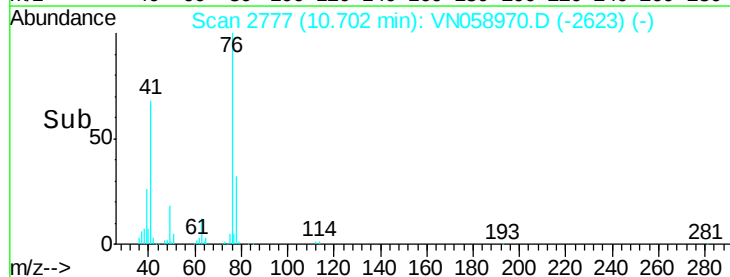
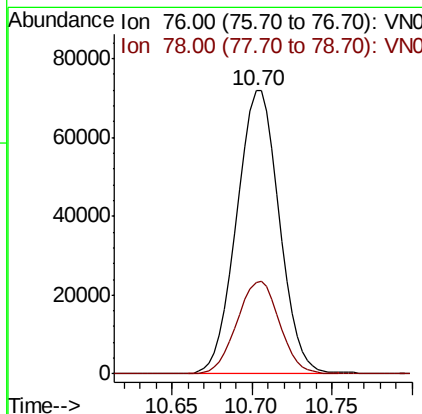
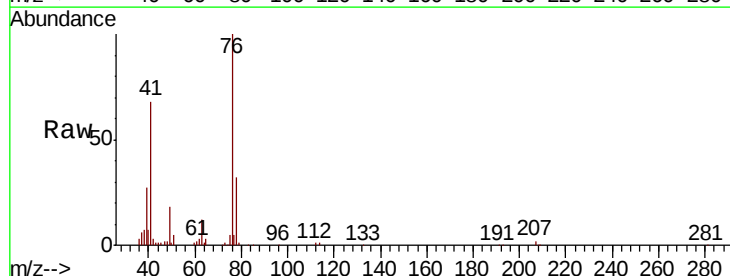
RT: 10.70 min Scan# 2777

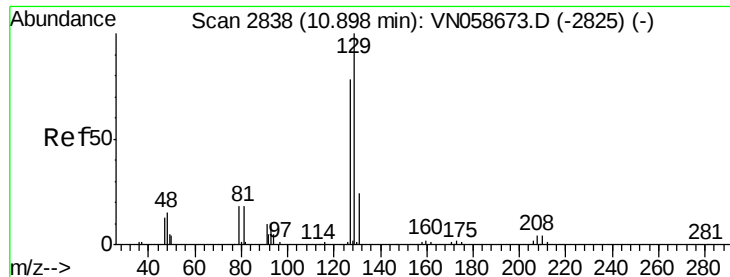
Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Tgt Ion:	76	Resp:	130964
Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	63.2





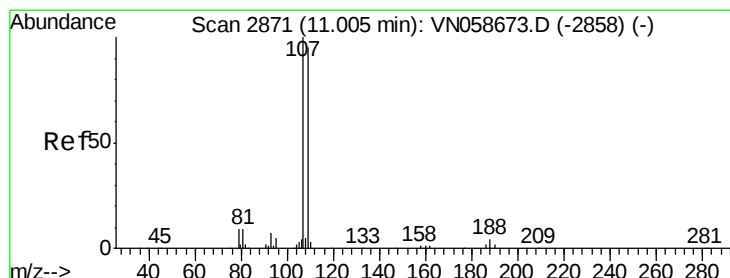
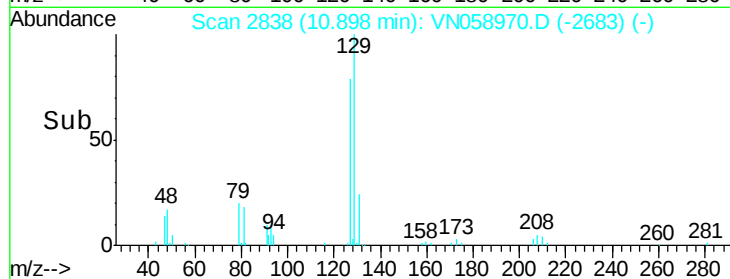
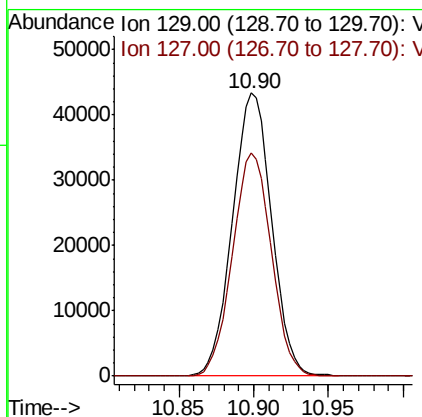
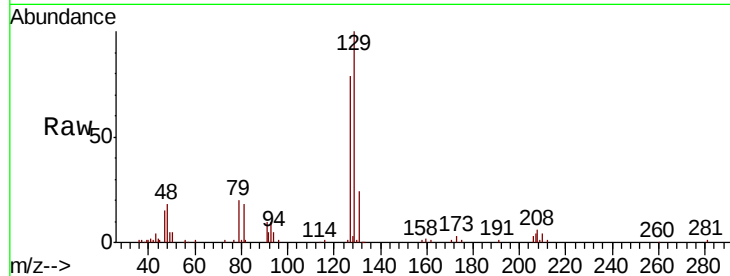
#53
 Dibromochloromethane
 Concen: 19.629 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.2	39.1	117.5	

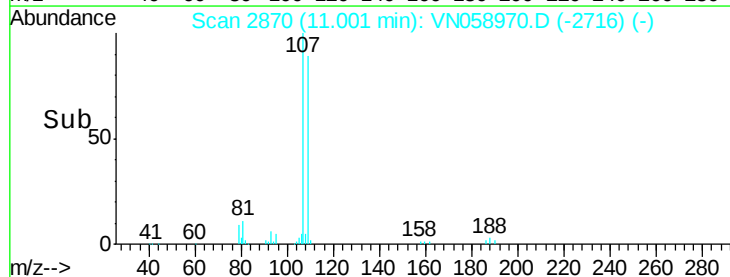
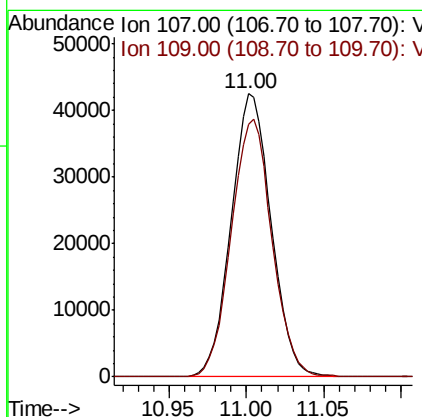
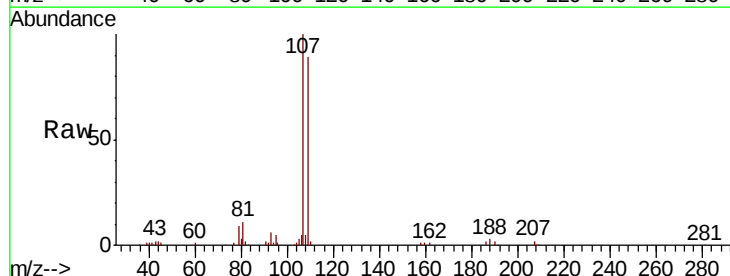
Manual Integrations
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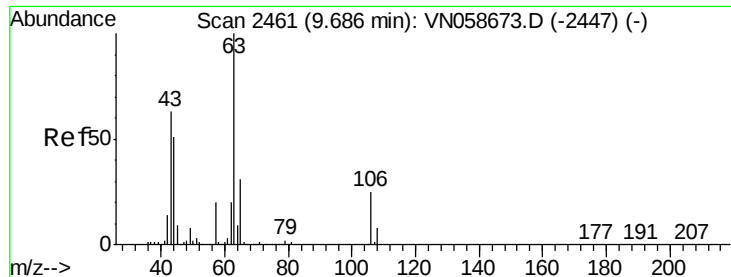
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#54
 1,2-Dibromoethane
 Concen: 19.607 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	92.6	76.2	114.4	





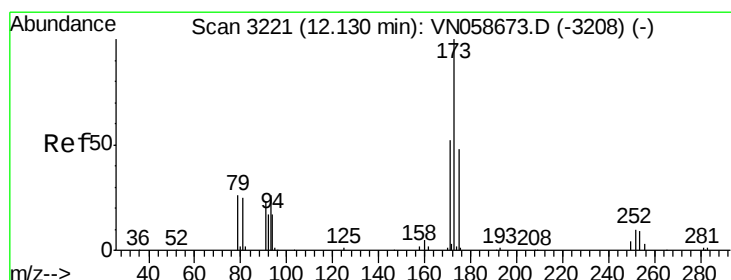
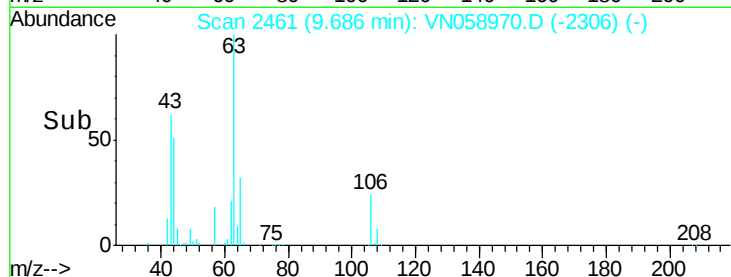
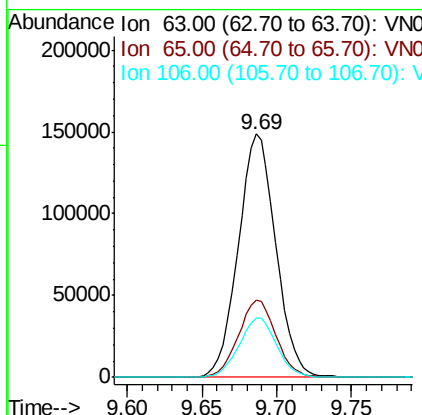
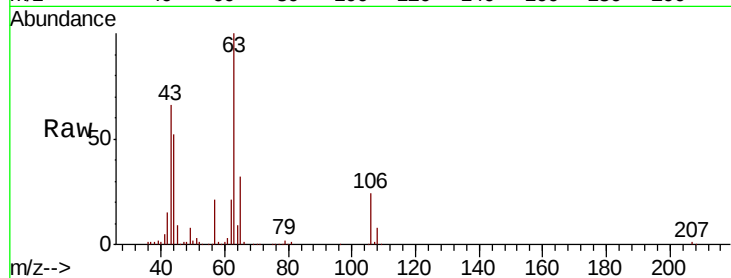
#55
2-Chloroethyl vinyl ether
Concen: 86.953 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.3	37.9
106	24.4	19.8	29.6

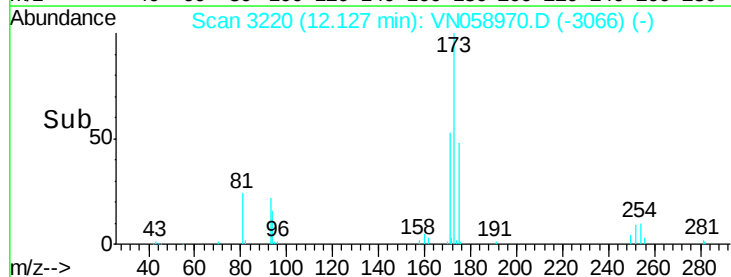
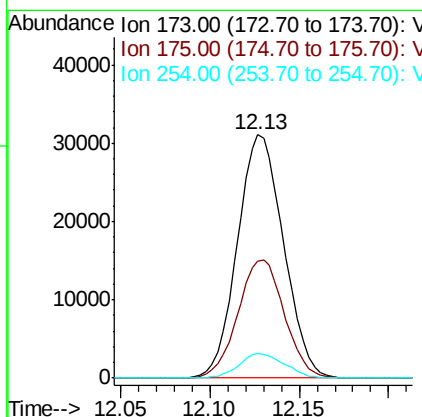
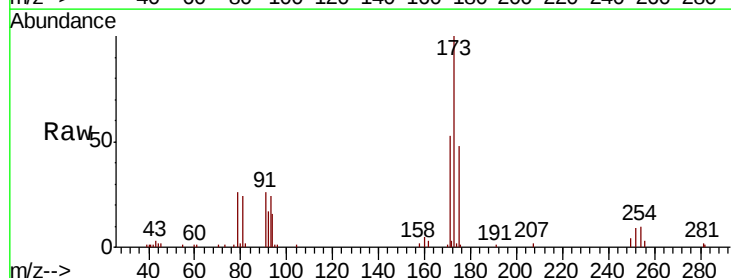
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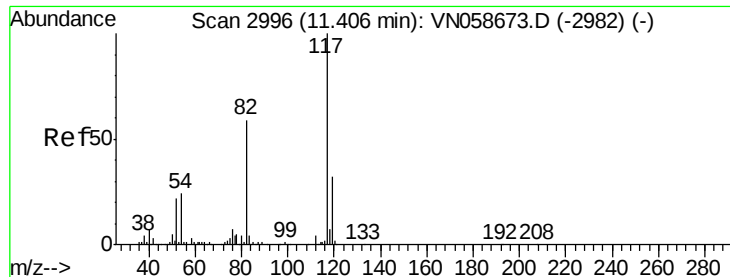
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#56
Bromoform
Concen: 19.987 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.7	58.1
254	9.8	7.4	11.2





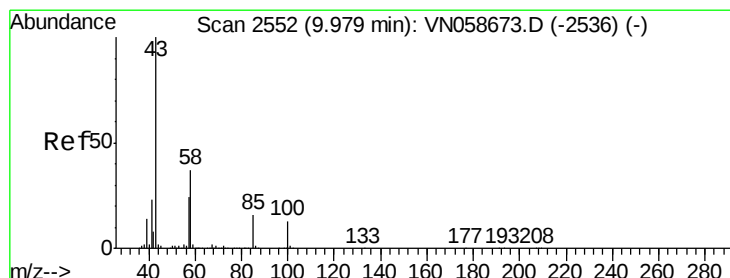
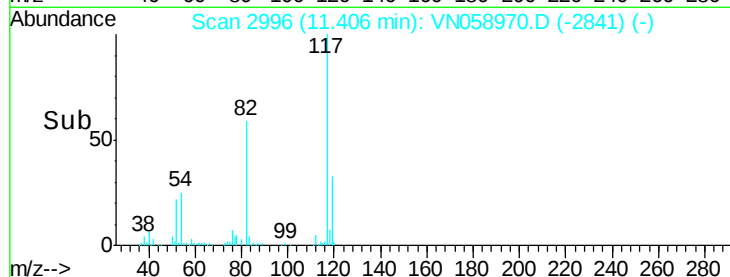
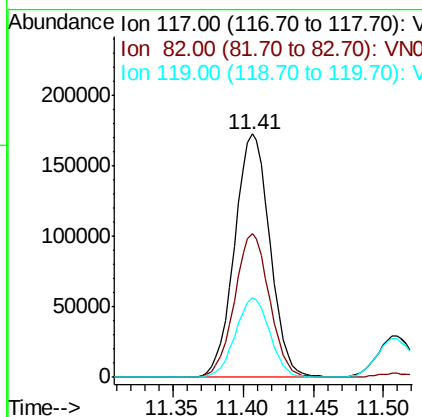
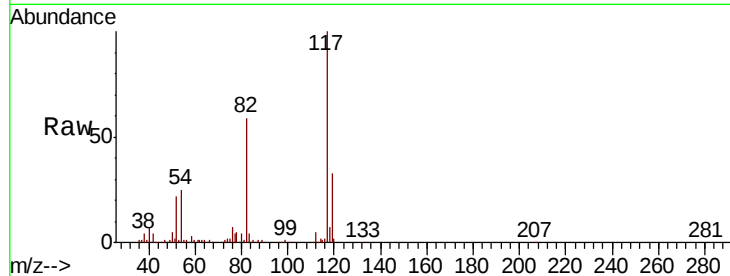
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.9	70.3
119	31.8	25.8	38.6

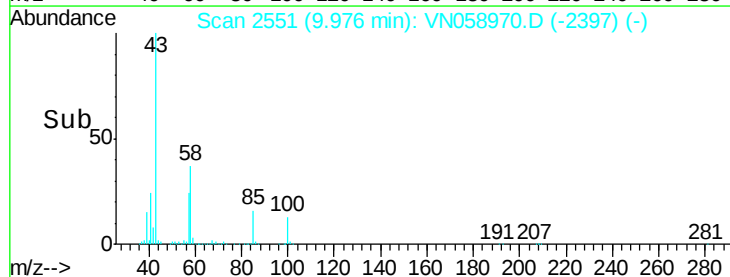
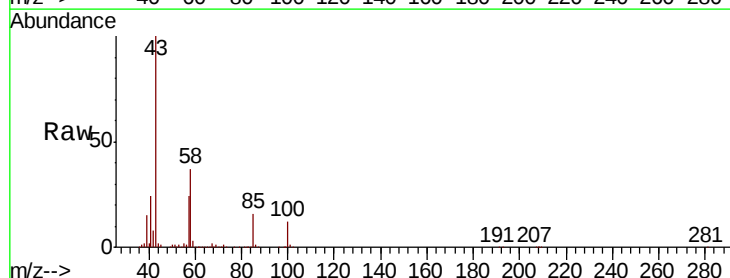
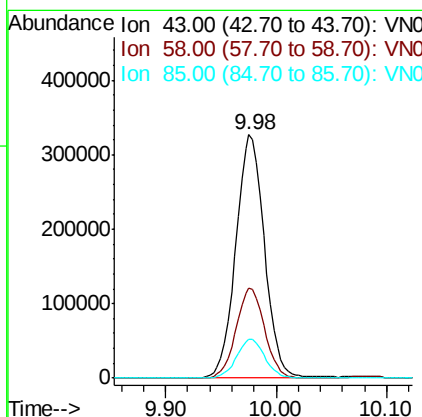
Manual Integrations
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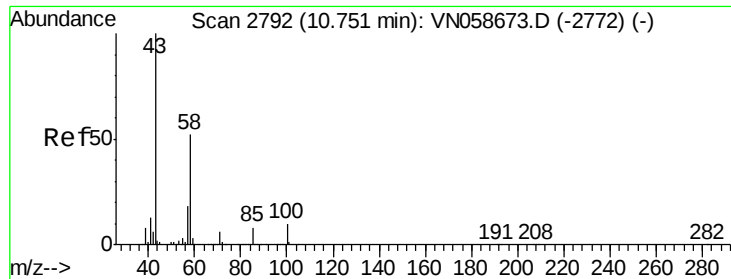
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 105.189 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.1	45.1
85	15.8	13.2	19.8





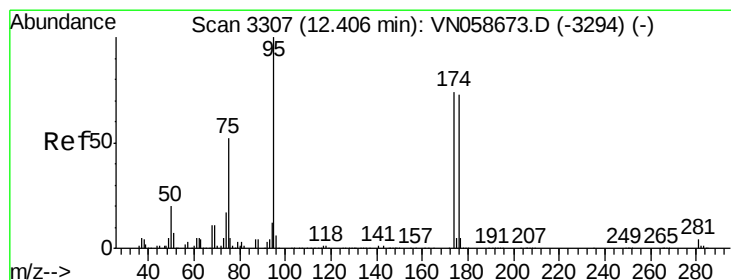
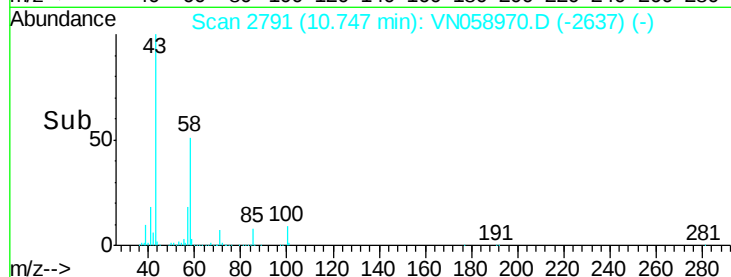
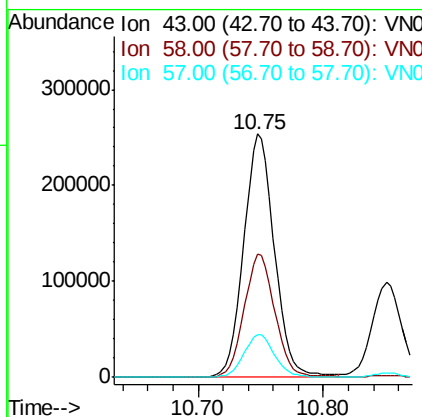
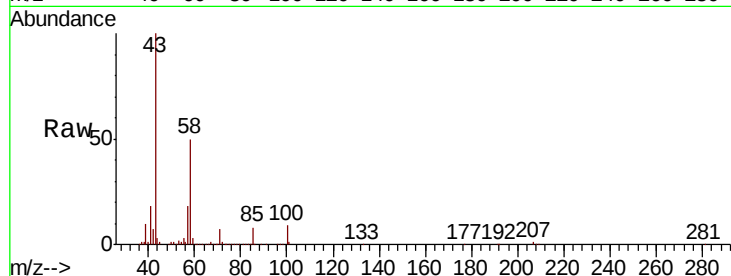
#59
2-Hexanone
Concen: 98.672 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.1	41.4	62.0
57	18.0	14.7	22.1

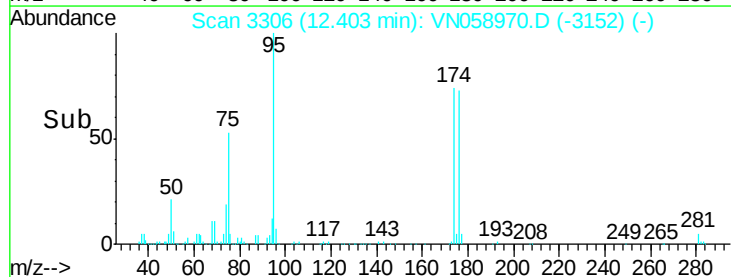
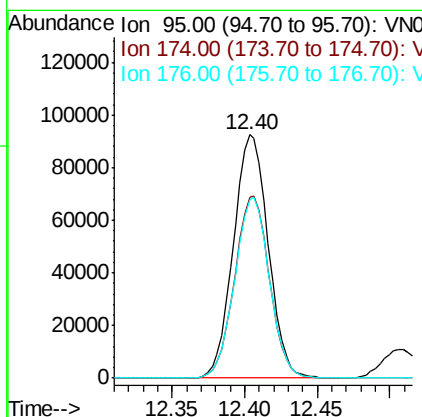
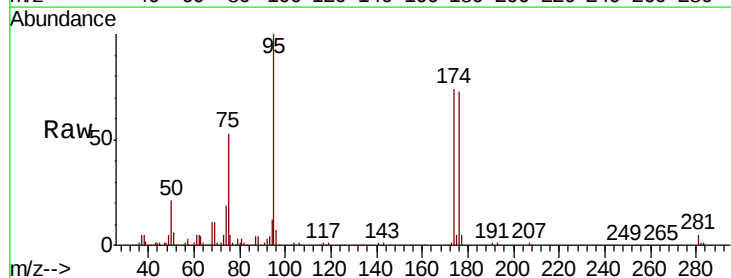
Manual Integrations
APPROVED

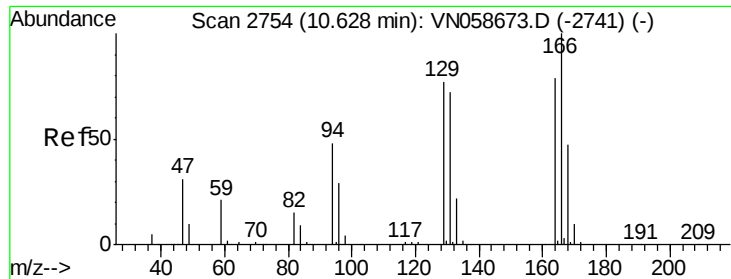
MMDadoda
10/25/2019 2:36:21 PM



#60
4-Bromofluorobenzene
Concen: 28.908 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	59.9	89.9
176	74.2	58.3	87.5





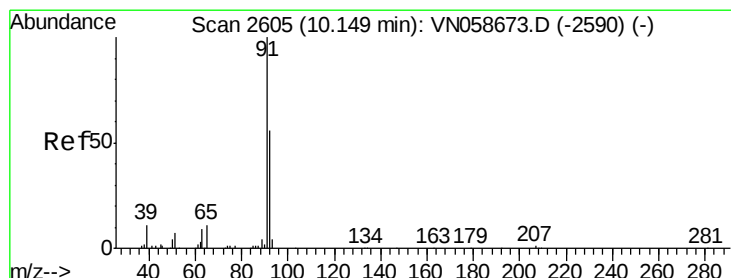
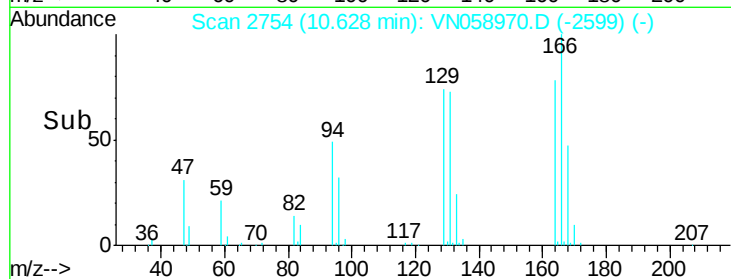
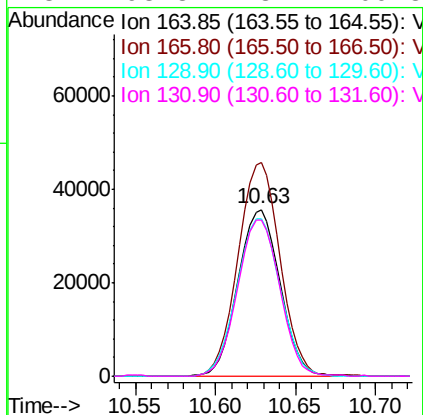
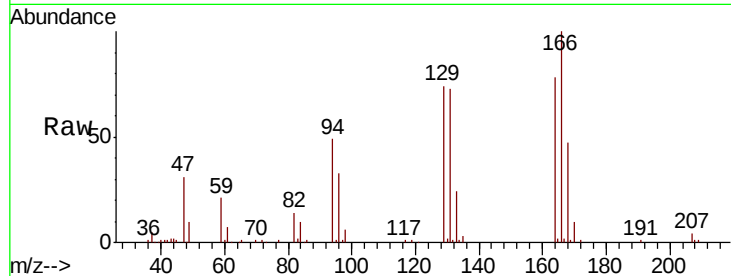
#61
Tetrachloroethene
Concen: 19.479 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.4	152.2
129	94.7	78.1	117.1
131	93.8	73.2	109.8

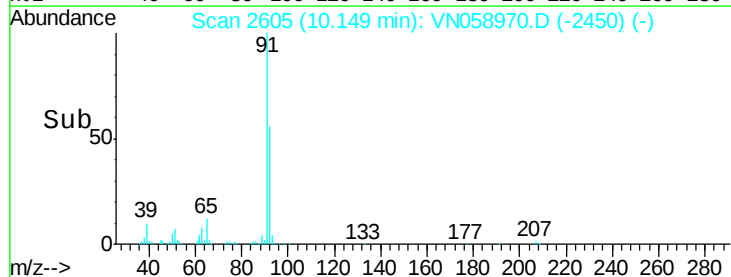
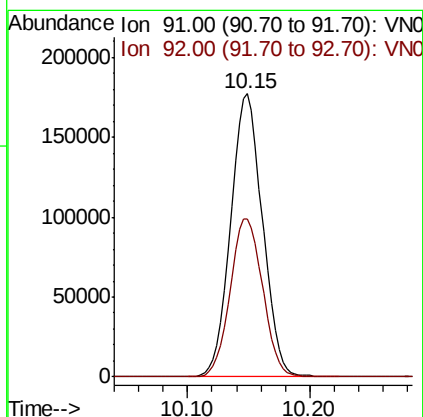
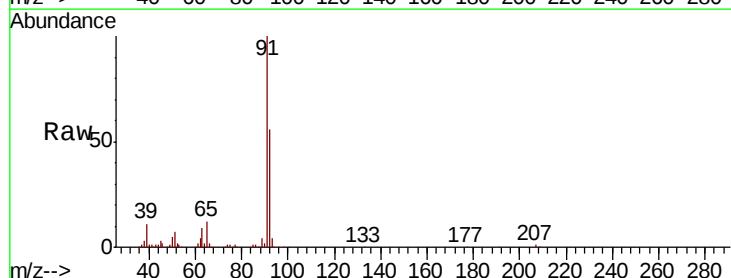
Manual Integrations
APPROVED

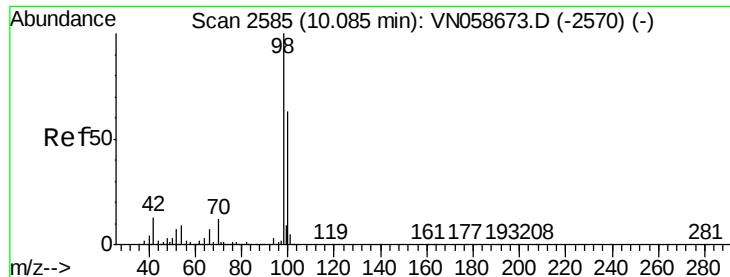
MMDadoda
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#62
Toluene
Concen: 19.611 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.0	45.4	68.2





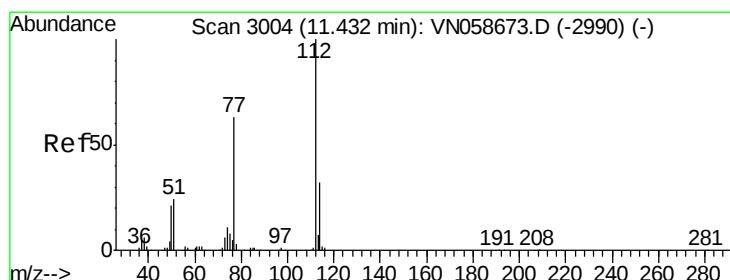
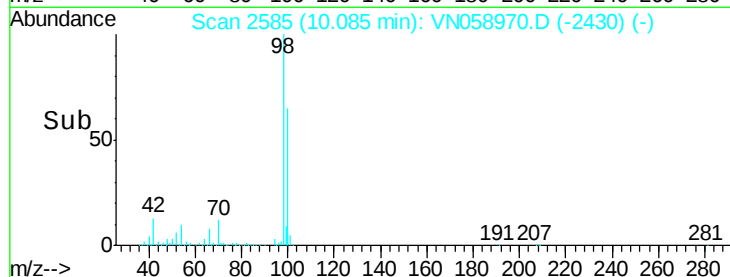
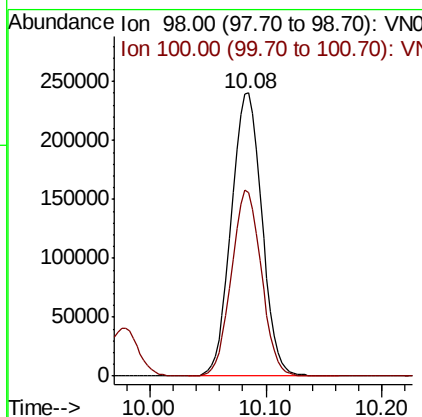
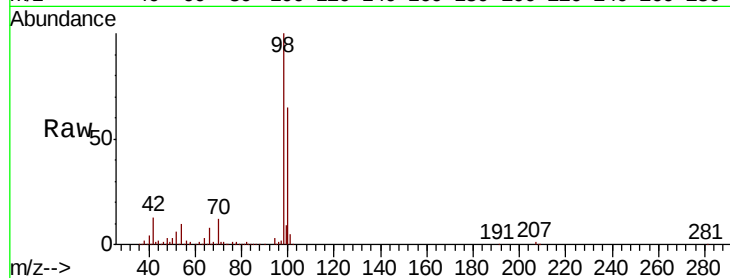
#63
Toluene-d8
Concen: 30.540 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 439122
Ion Ratio Lower Upper
98 100
100 63.8 50.6 75.8

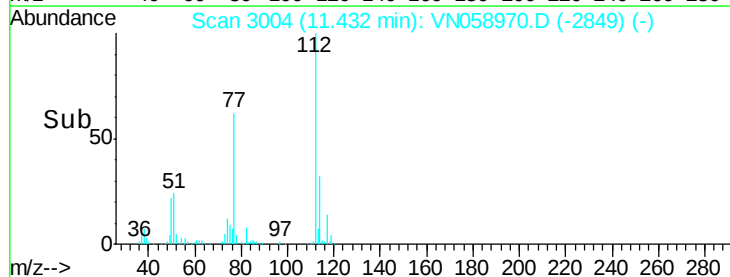
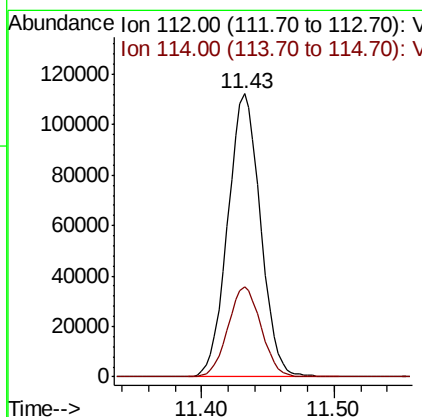
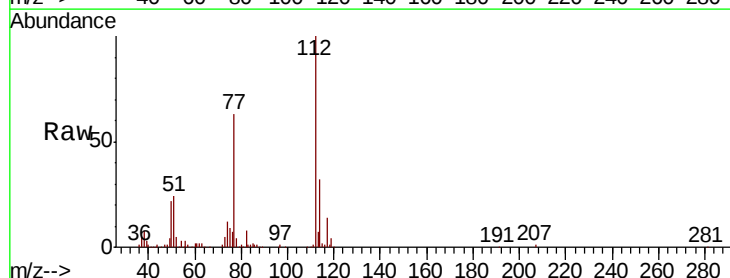
Manual Integrations
APPROVED

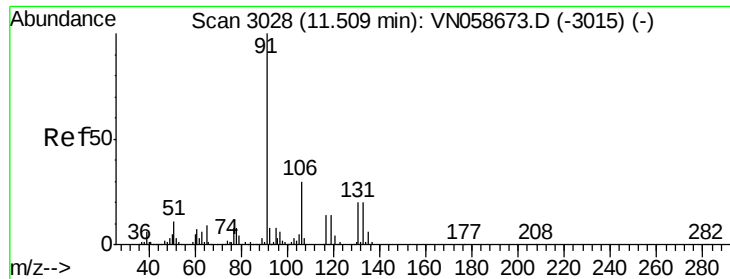
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#64
Chlorobenzene
Concen: 19.226 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion: 112 Resp: 192545
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5





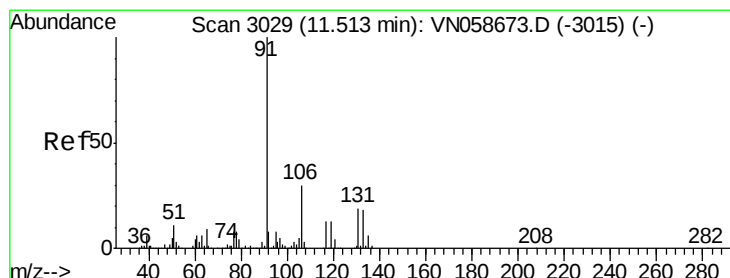
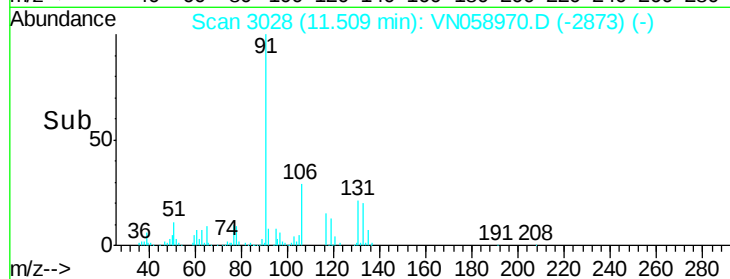
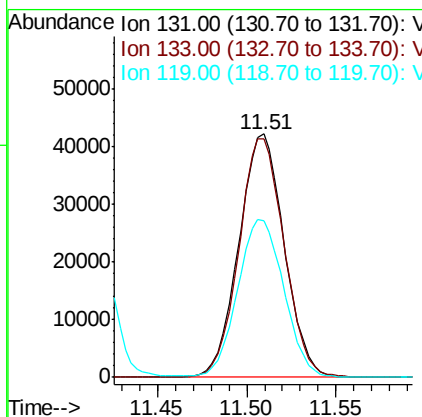
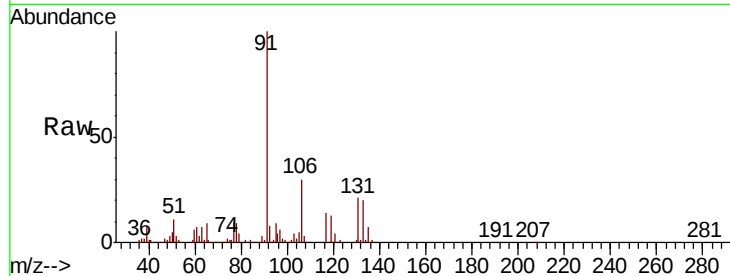
#65
1,1,1,2-Tetrachloroethane
Concen: 19.919 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	98.0	0.0	194.0
119	66.3	0.0	136.8

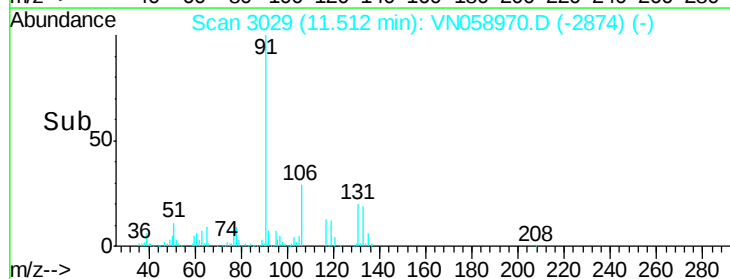
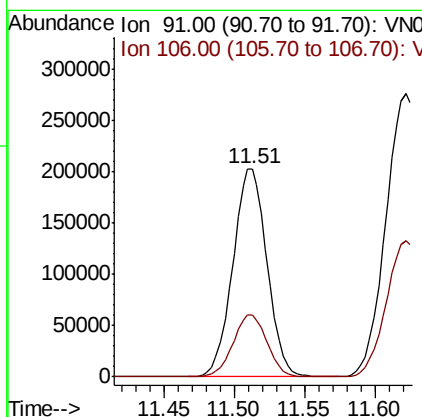
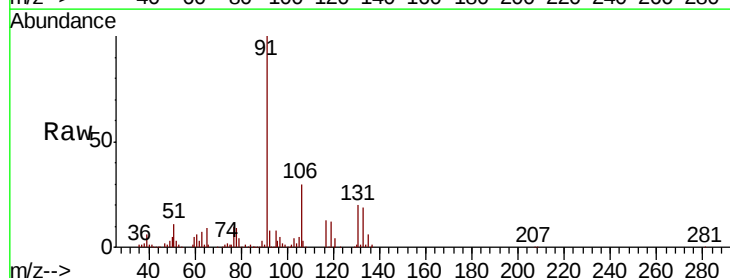
Manual Integrations
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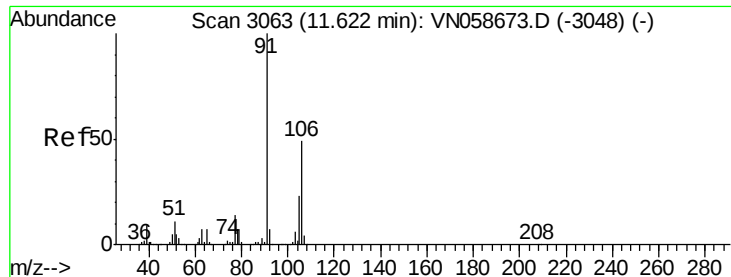
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#66
Ethyl Benzene
Concen: 18.922 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.2	36.4





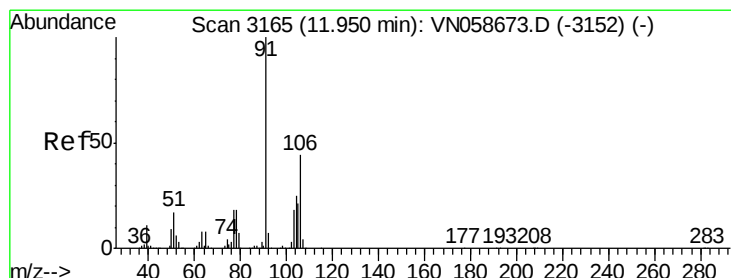
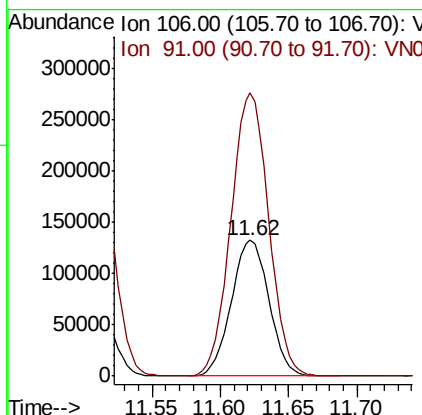
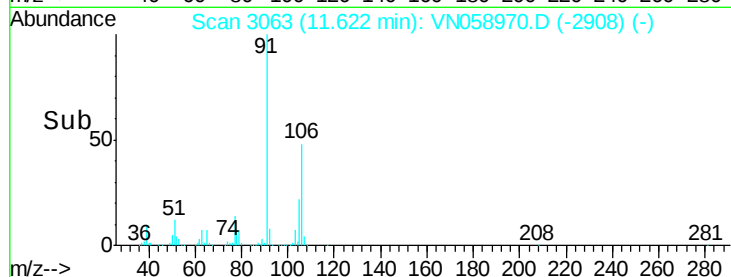
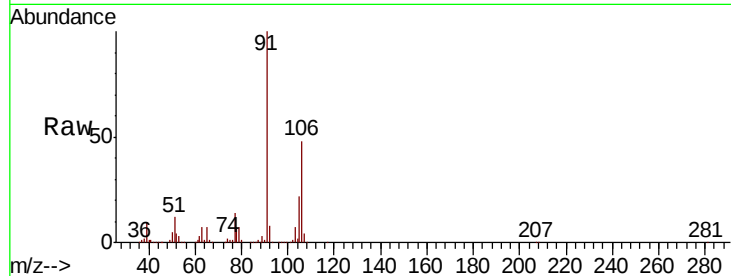
#67
m/p-Xylenes
Concen: 37.413 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 253530
Ion Ratio Lower Upper
106 100
91 208.1 165.6 248.4

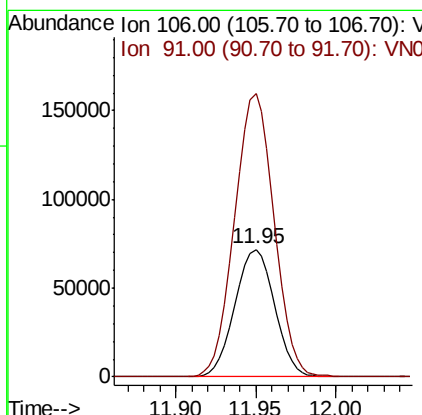
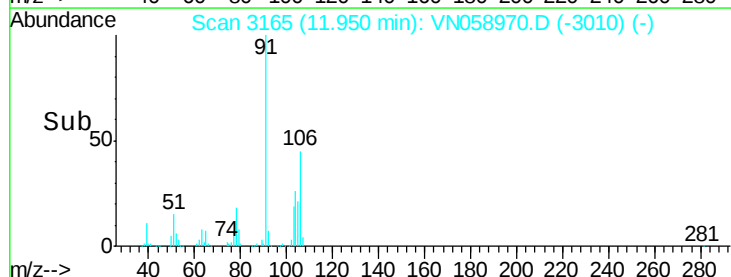
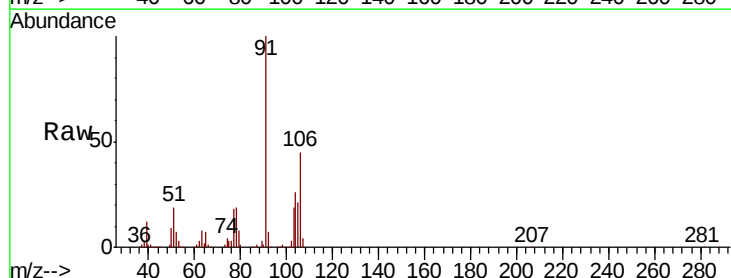
Manual Integrations
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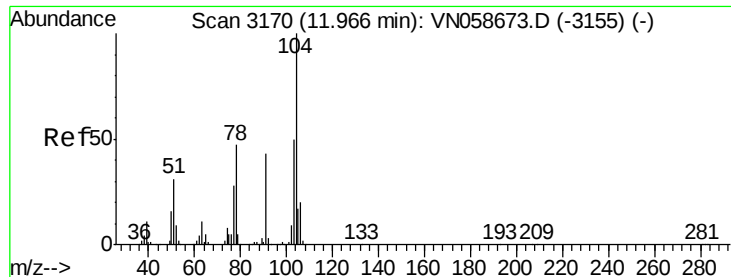
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#68
o-Xylene
Concen: 18.490 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion:106 Resp: 121469
Ion Ratio Lower Upper
106 100
91 220.8 109.8 329.4





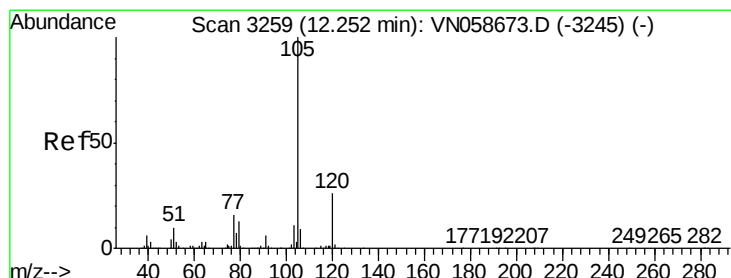
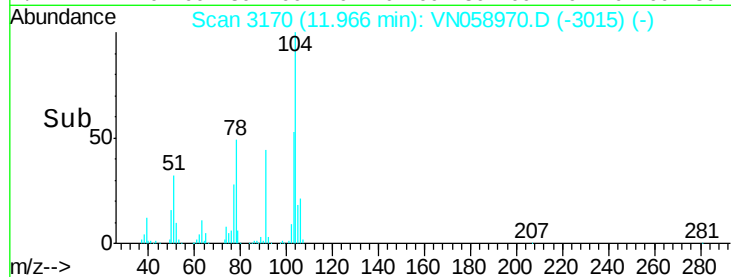
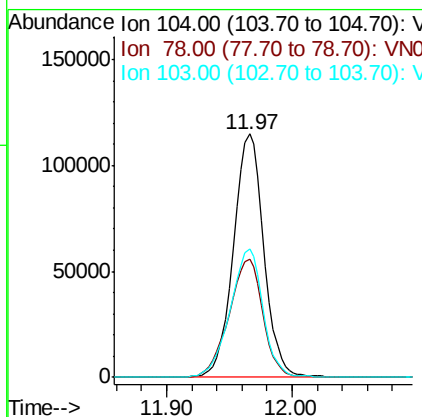
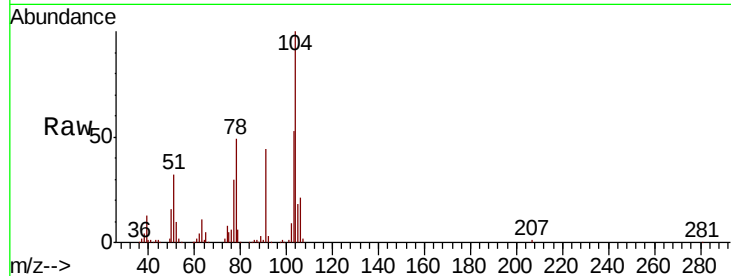
#69
Stvrene
Concen: 17.815 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.4	63.6
103	57.0	44.6	66.8

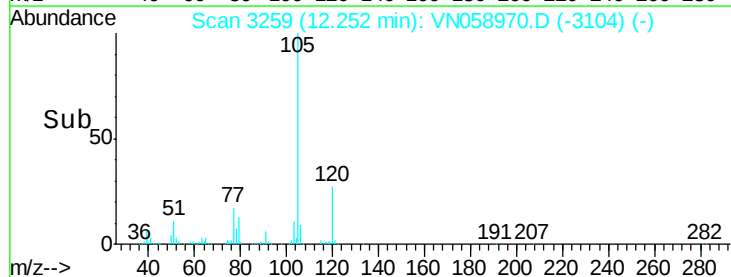
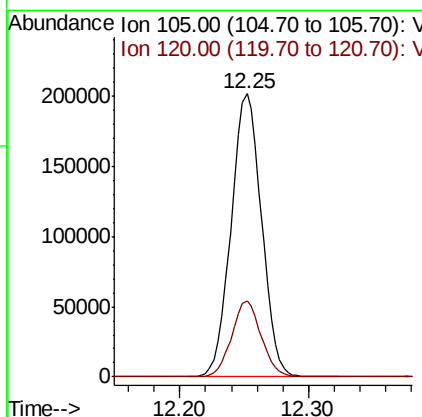
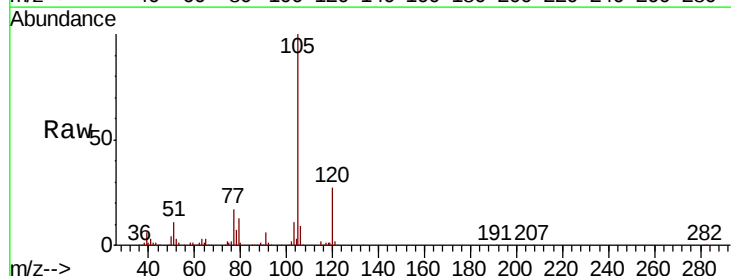
Manual Integrations
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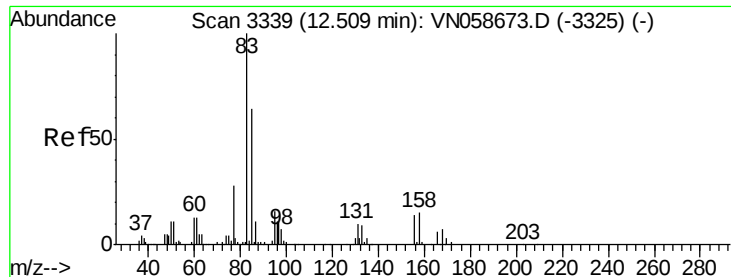
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#70
Isopropylbenzene
Concen: 18.603 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.4	34.2





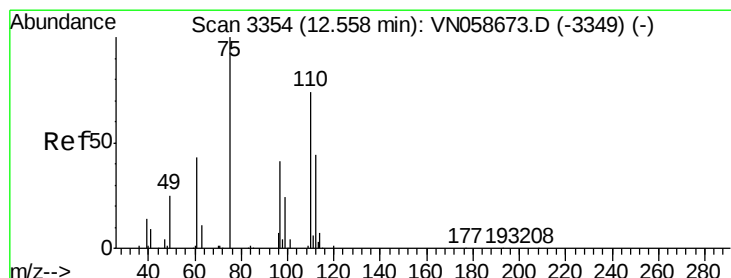
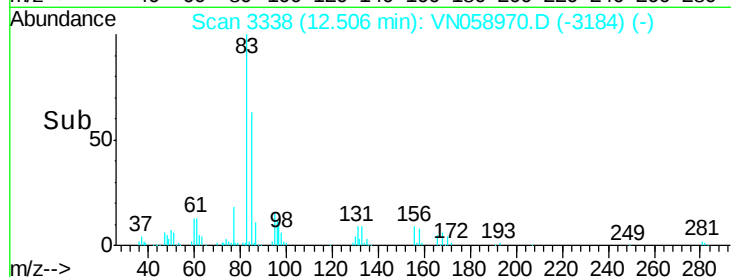
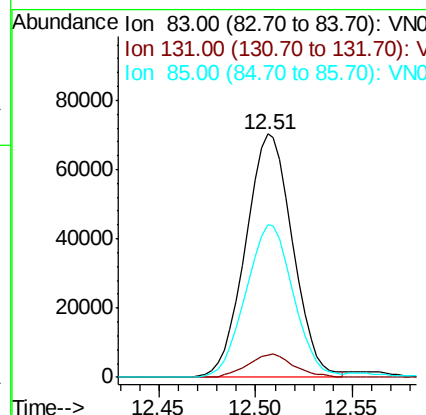
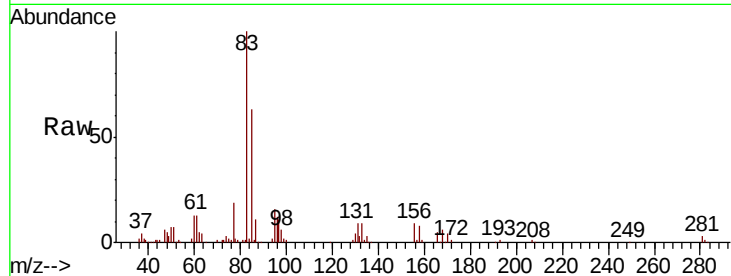
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.898 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.9	14.7
85	63.3	31.6	94.7

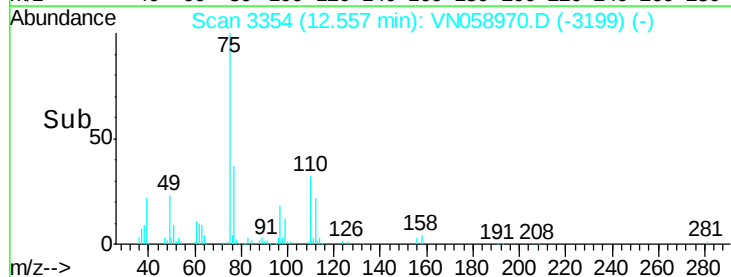
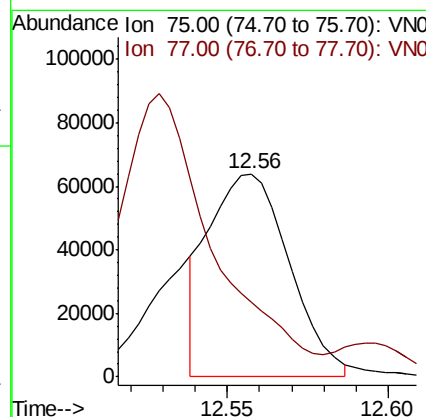
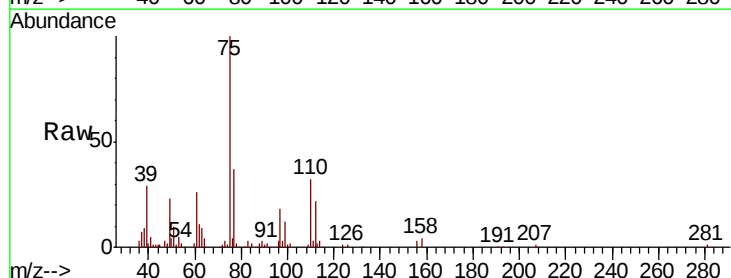
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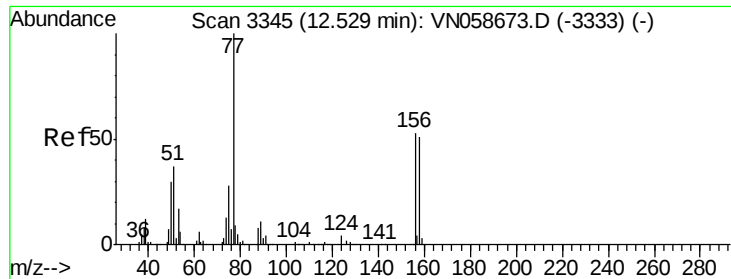
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#72
 1,2,3-Trichloropropane
 Concen: 20.692 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	166.1	0.0	359.4





#73

Bromobenzene

Concen: 18.330 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

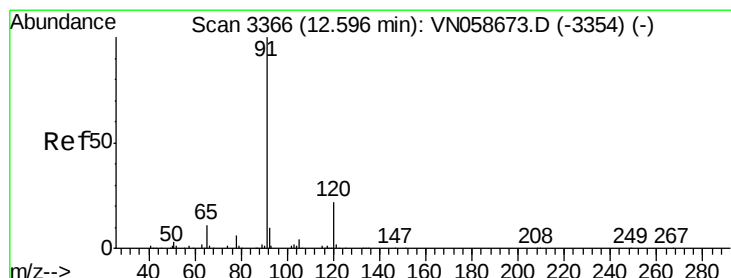
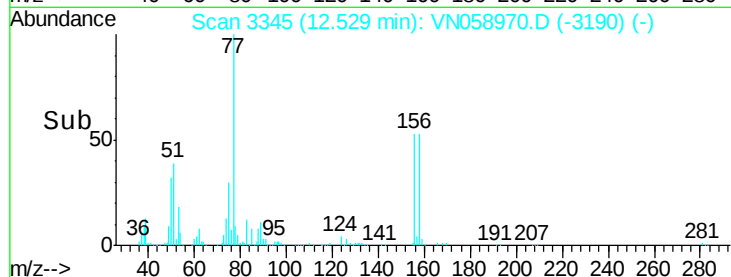
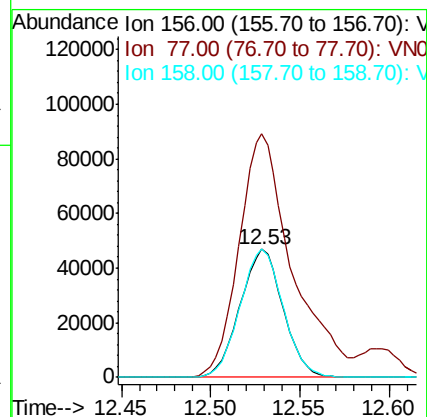
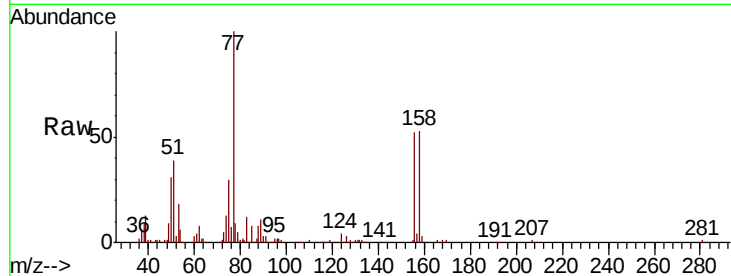
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	78964
Ion Ratio	Lower	Upper	
156	100		
77	235.5	0.0	456.0
158	100.5	0.0	195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 18.943 ug/l

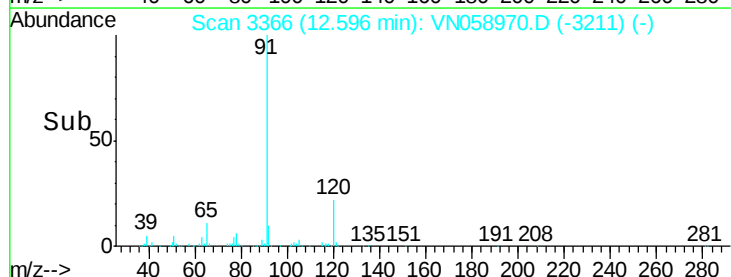
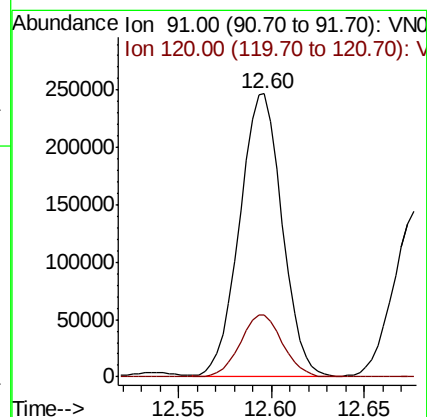
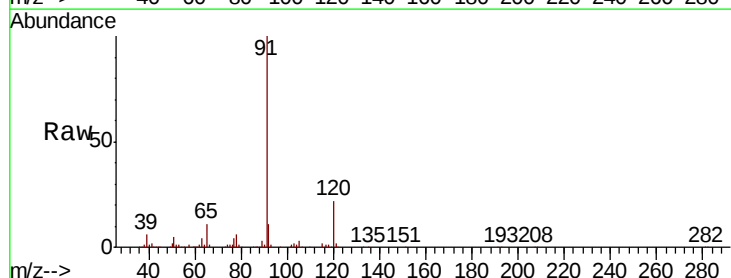
RT: 12.60 min Scan# 3366

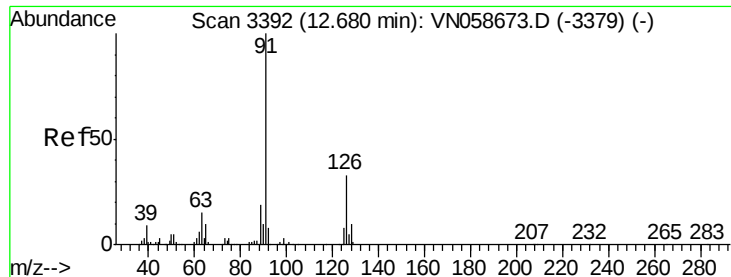
Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Tgt Ion:	91	Resp:	393258
Ion Ratio	Lower	Upper	
91	100		
120	21.6	0.0	43.6





#75

2-Chlorotoluene

Concen: 18.973 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 236985

Ion Ratio Lower Upper

91 100

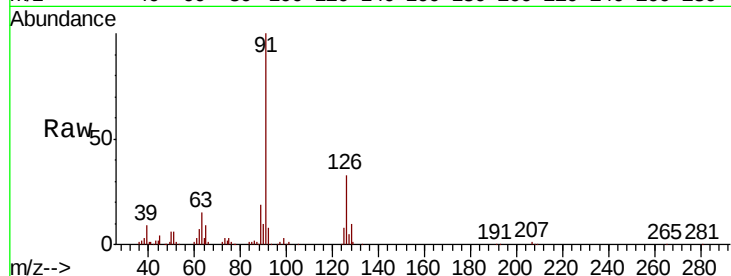
126 32.3 0.0 65.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058673.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058673.D (-3379) (-)

200000

150000

100000

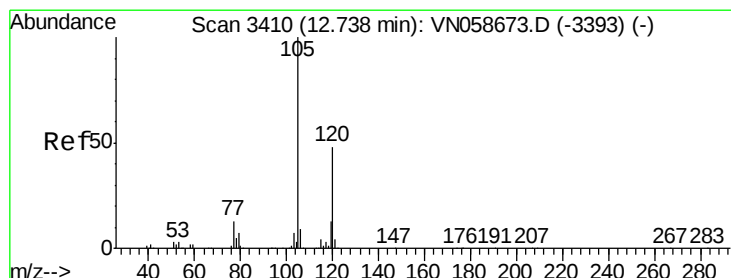
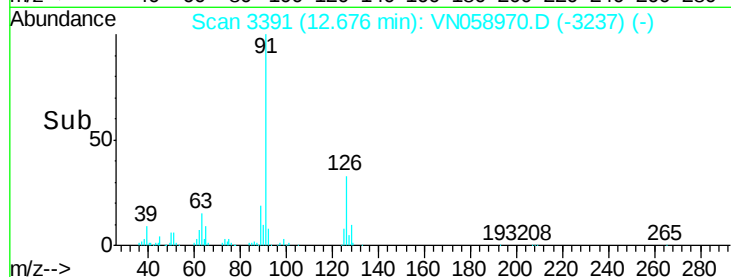
50000

0

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.724 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058970.D

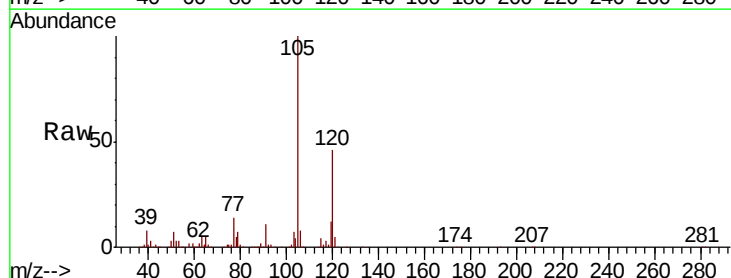
Acq: 24 Oct 2019 18:30

Tgt Ion: 105 Resp: 284436

Ion Ratio Lower Upper

105 100

120 47.2 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058673.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058673.D (-3393) (-)

200000

150000

100000

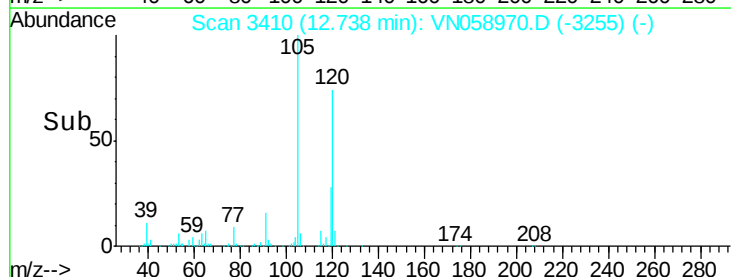
50000

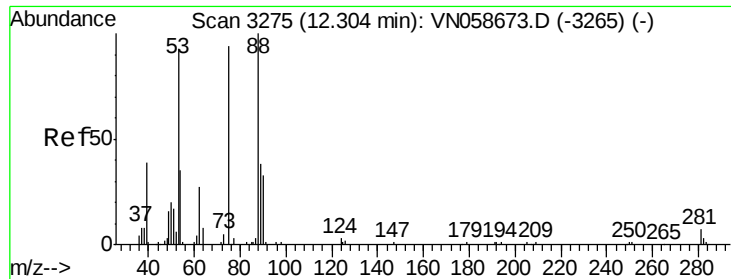
0

12.70

12.75

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.590 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

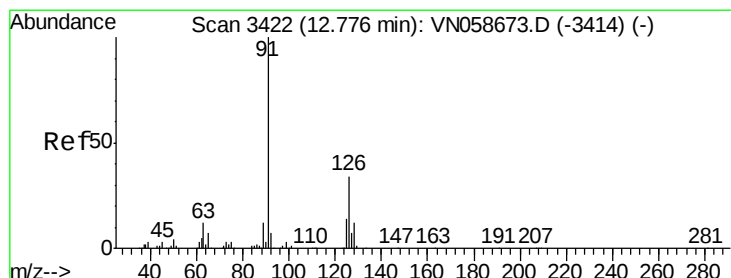
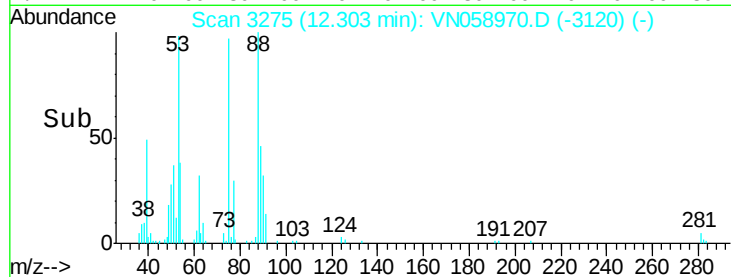
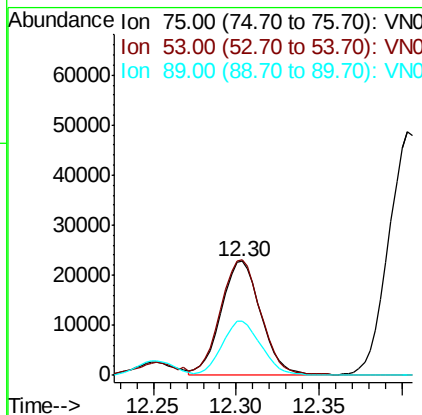
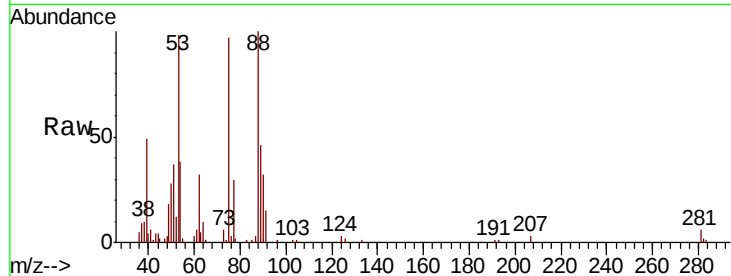
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	38317
Ion Ratio	Lower	Upper	
75	100		
53	101.7	50.0	150.0
89	47.6	20.7	62.1

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#78

4-Chlorotoluene

Concen: 18.495 ug/l

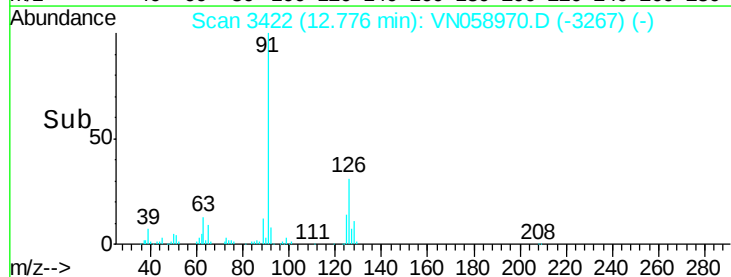
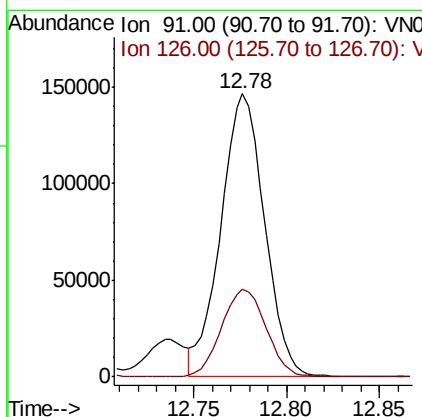
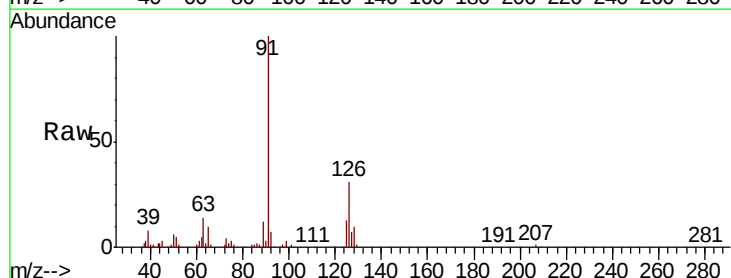
RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Tgt Ion:	91	Resp:	238096
Ion Ratio	Lower	Upper	
91	100		
126	31.9	0.0	63.4





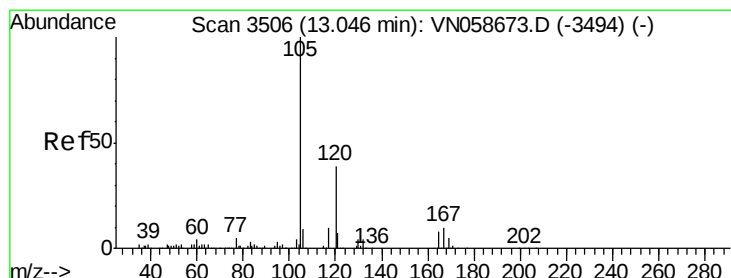
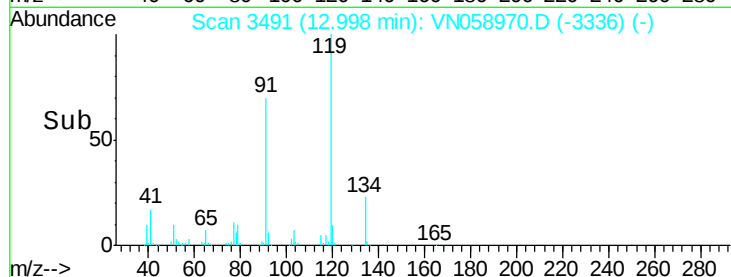
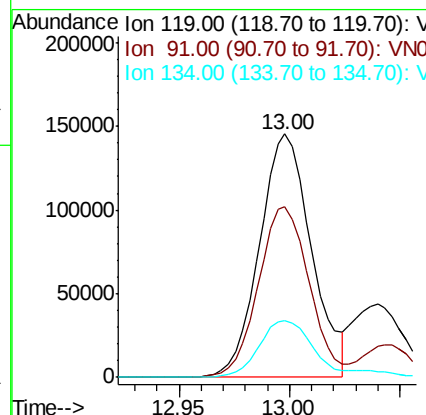
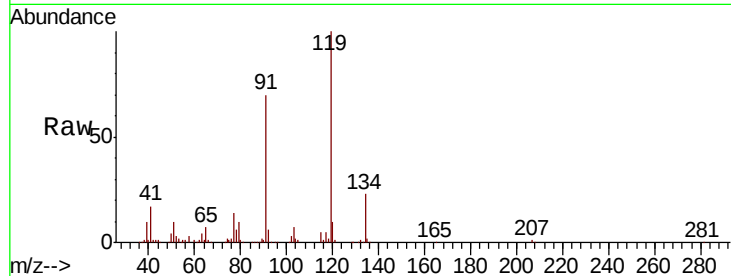
#79
tert-butylbenzene
Concen: 18.280 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	237239		
91	69.0	0.0	136.4	
134	24.0	0.0	47.2	

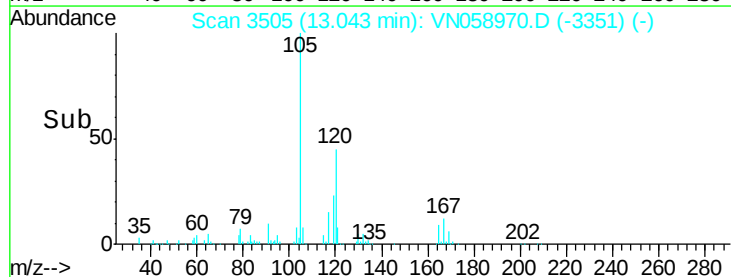
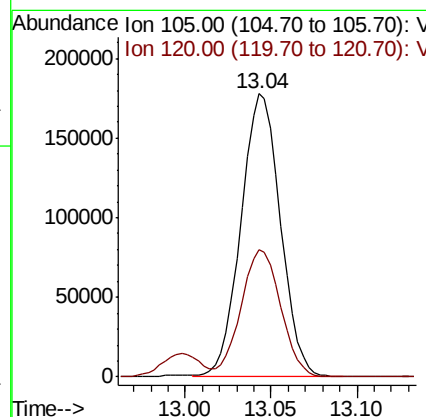
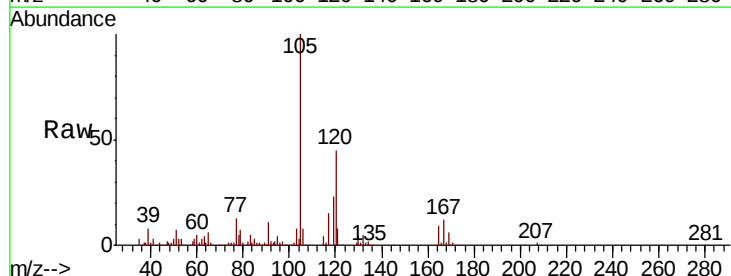
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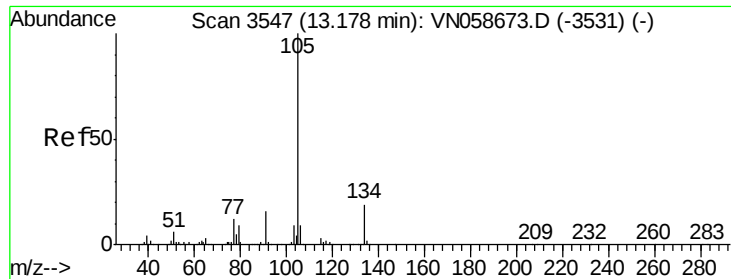
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 18.786 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283578		
120	44.8	0.0	89.2	





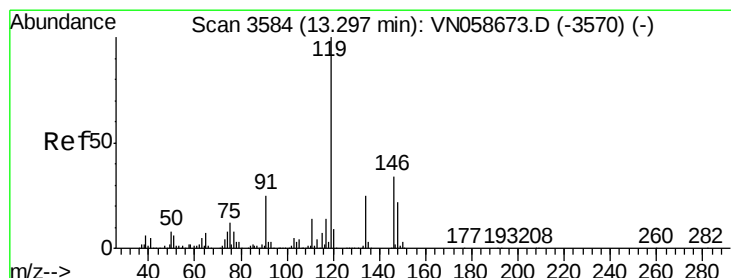
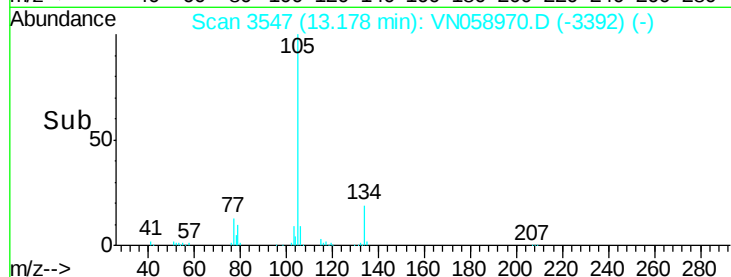
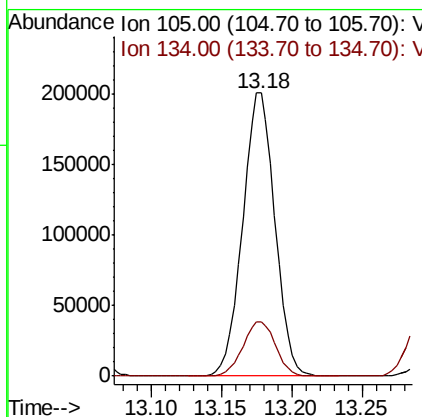
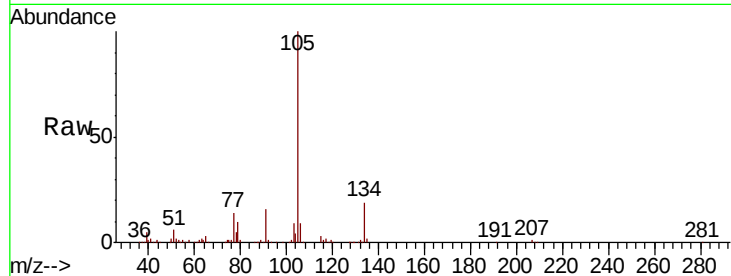
#81
 sec-Butylbenzene
 Concen: 18.384 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	321094		
134	19.5	0.0	38.0	

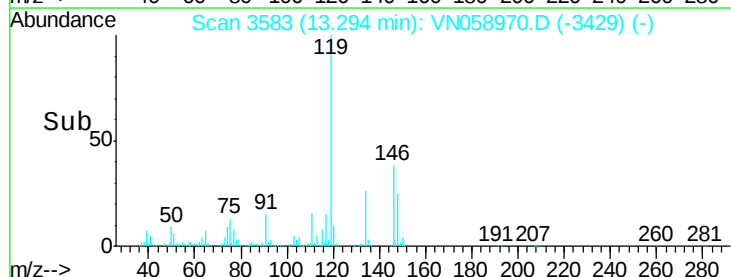
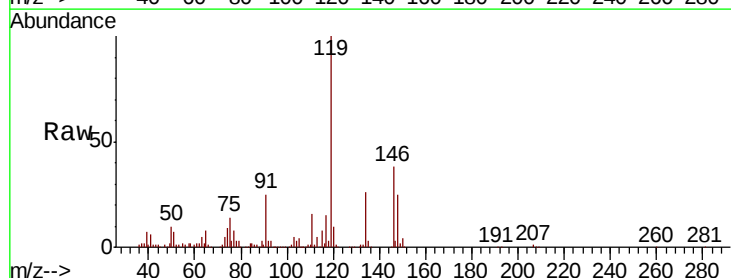
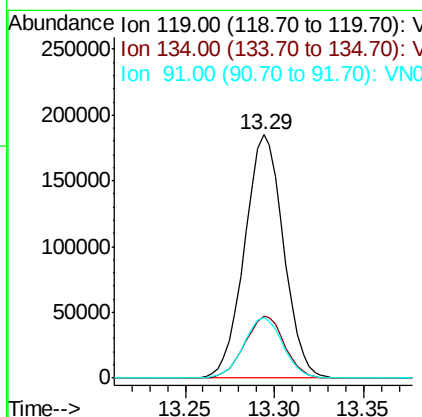
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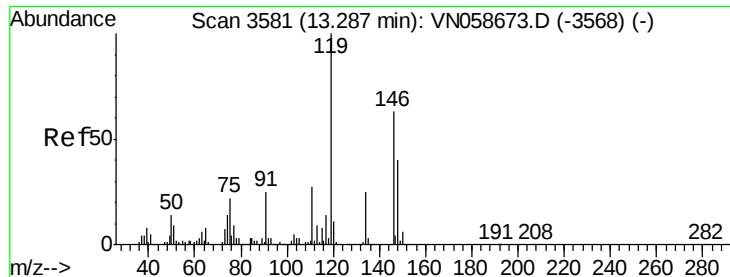
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#82
 p-Isopropyltoluene
 Concen: 17.921 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	281079		
134	26.1	0.0	50.8	
91	25.0	0.0	49.4	





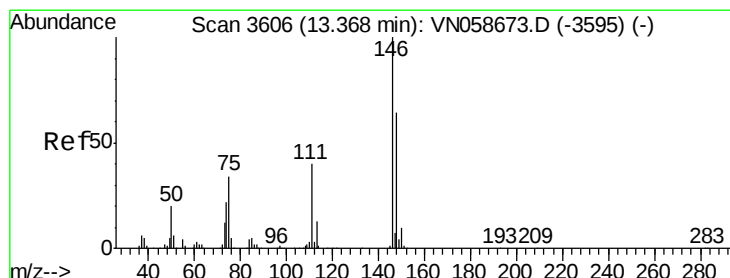
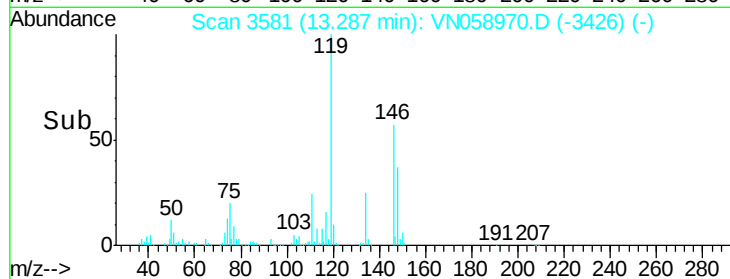
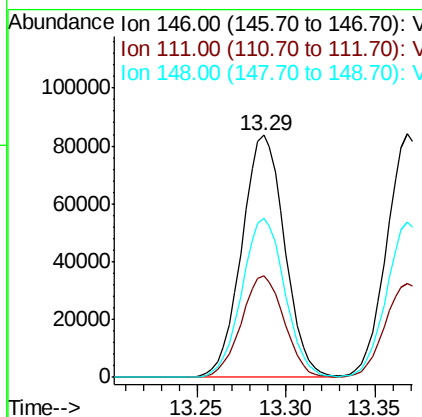
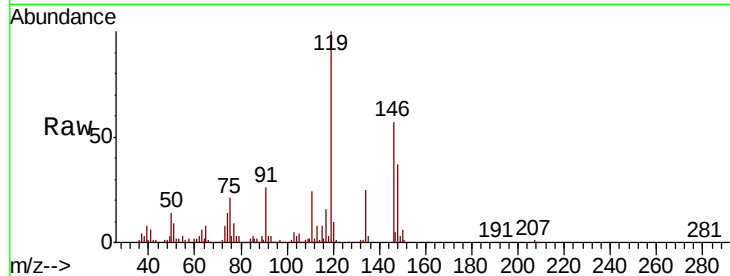
#83
 1,3-Dichlorobenzene
 Concen: 17.993 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	65.7	31.7	95.1

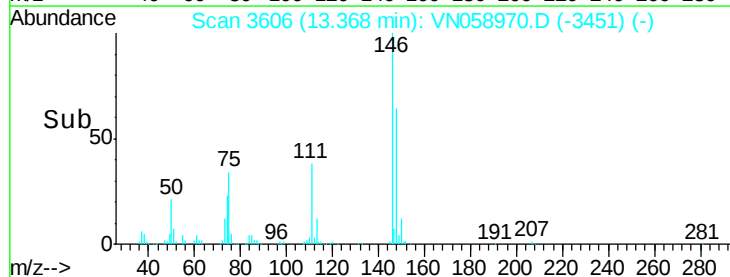
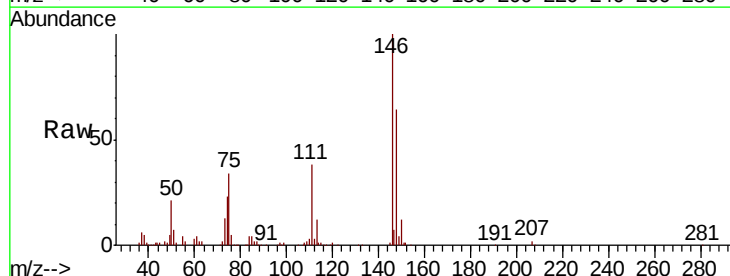
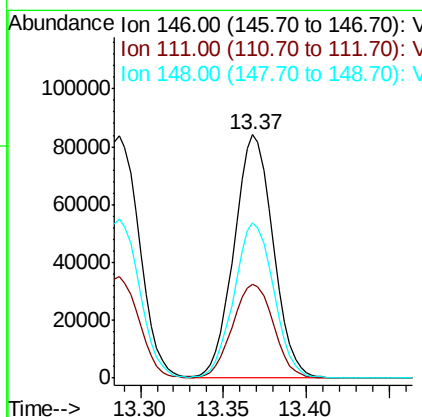
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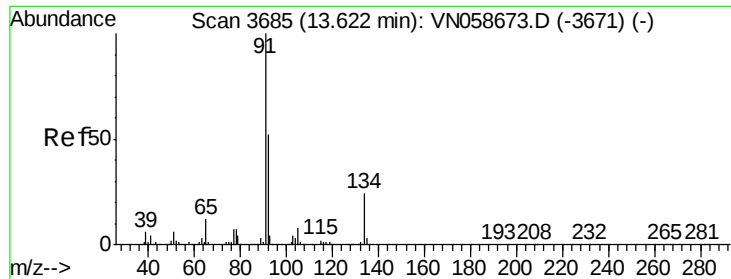
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#84
 1,4-Dichlorobenzene
 Concen: 17.660 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.4
148	65.4	31.6	94.8





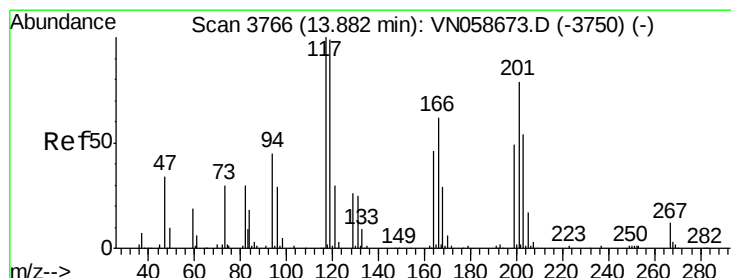
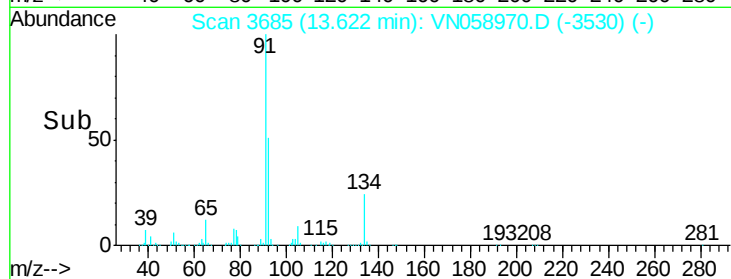
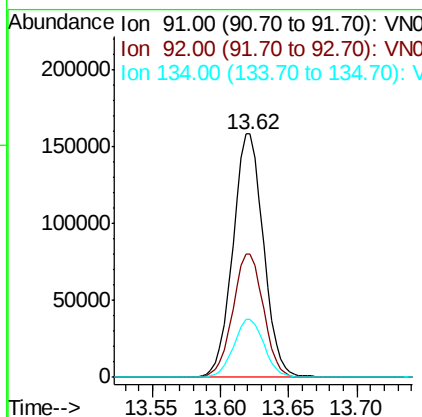
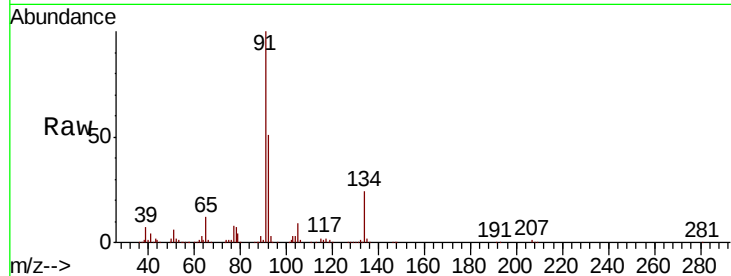
#85
n-Butylbenzene
Concen: 17.118 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	245804		
92	50.9	0.0	102.8	
134	23.7	0.0	48.6	

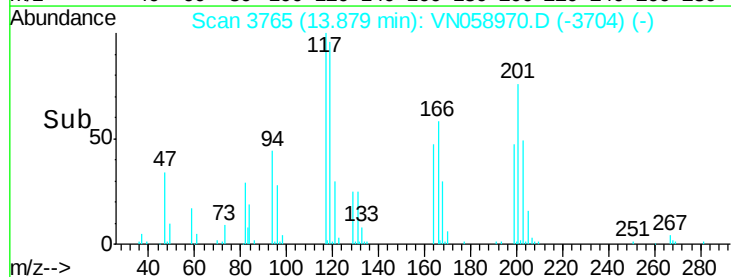
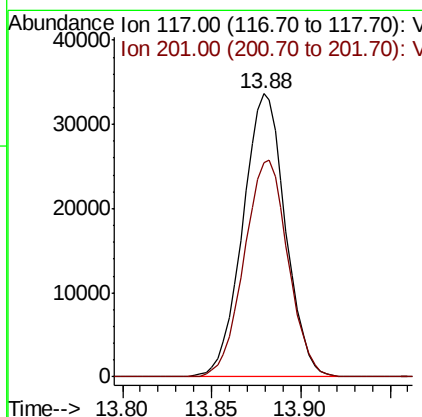
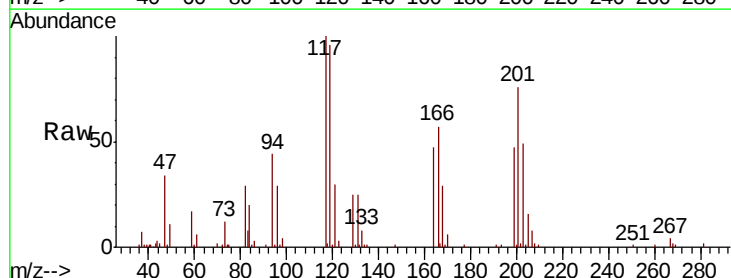
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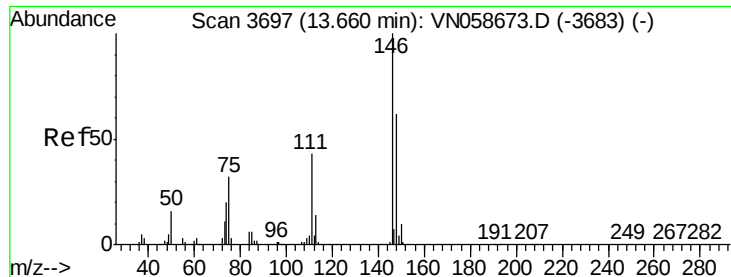
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#86
Hexachloroethane
Concen: 19.668 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	56139		
201	78.6	38.7	116.1	





#87

1,2-Dichlorobenzene

Concen: 18.370 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Instrument :

MSVOA_N

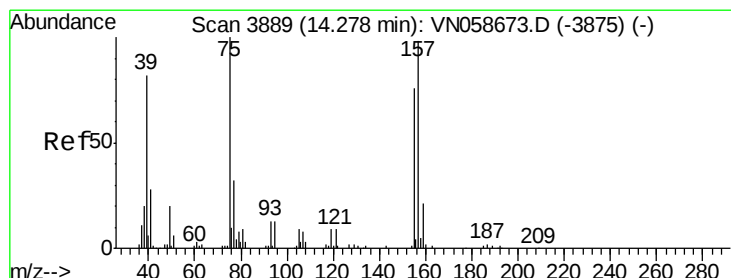
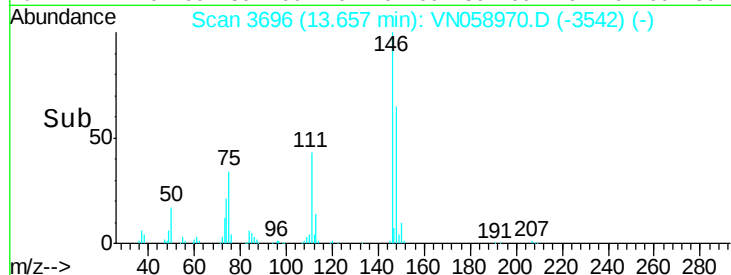
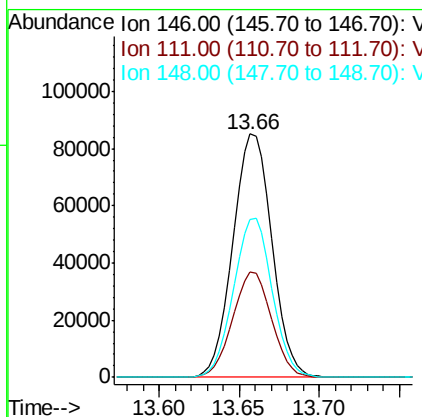
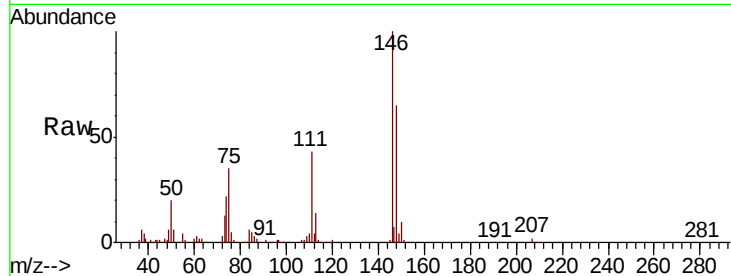
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	141373
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.8	65.4
148	64.8	32.1	96.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.725 ug/l

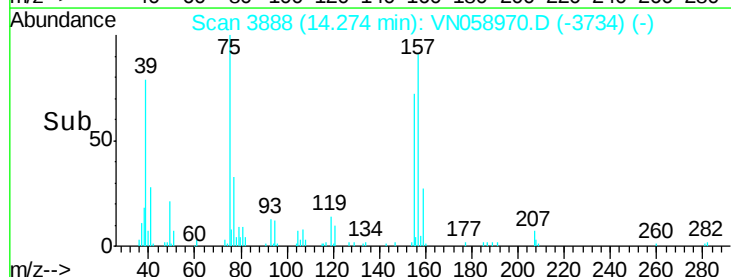
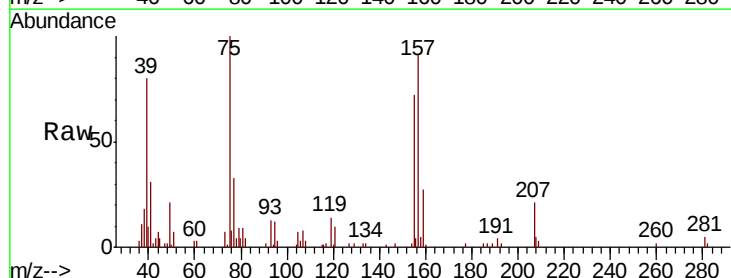
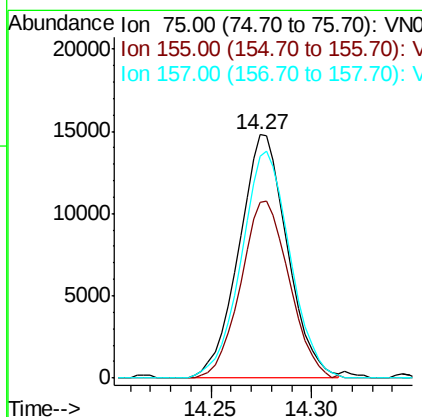
RT: 14.27 min Scan# 3888

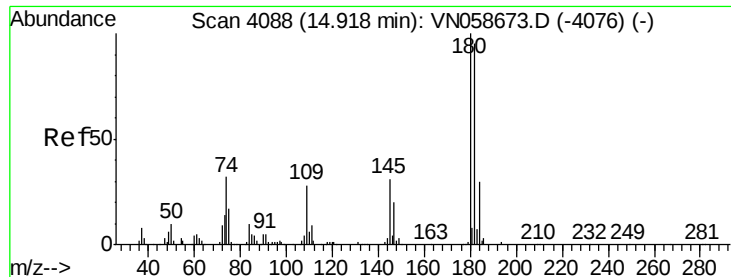
Delta R.T. -0.00 min

Lab File: VN058970.D

Acq: 24 Oct 2019 18:30

Tgt Ion:	75	Resp:	24885
Ion Ratio	Lower	Upper	
75	100		
155	72.4	58.3	87.5
157	93.7	75.0	112.6





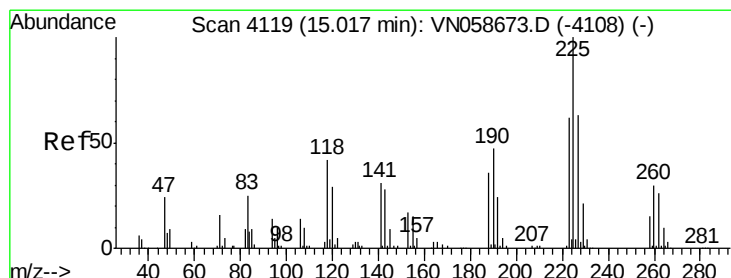
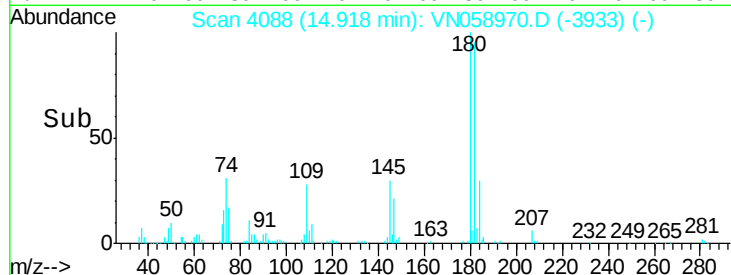
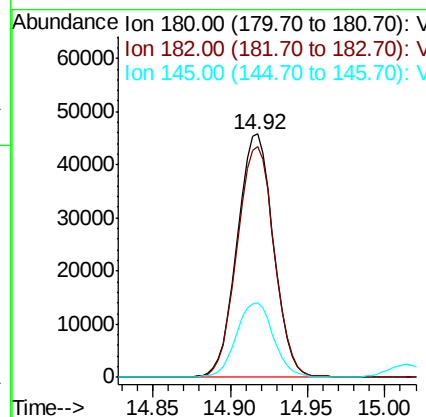
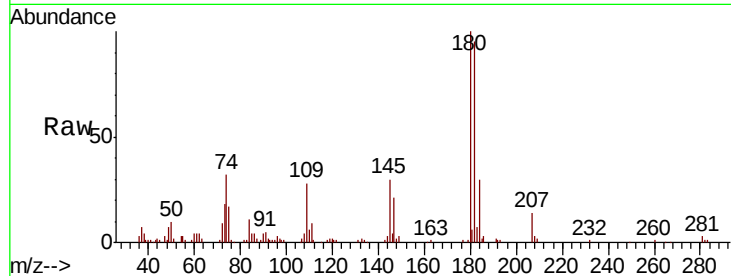
#89
 1,2,4-Trichlorobenzene
 Concen: 15.409 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.3	112.9
145	31.1	24.8	37.2

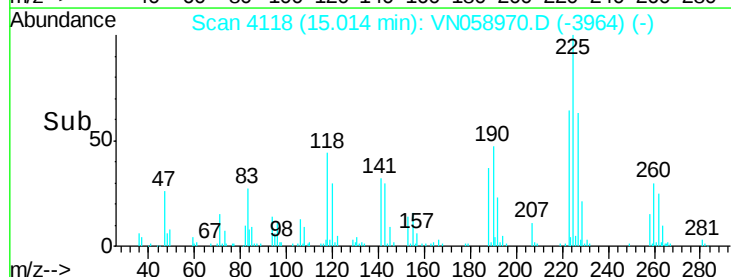
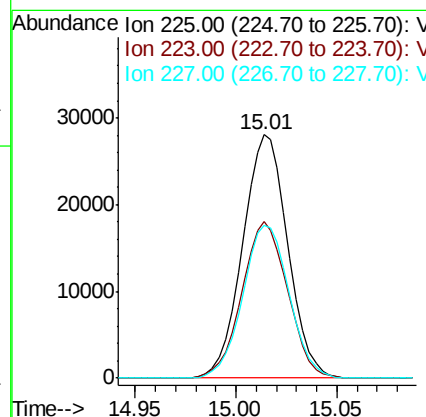
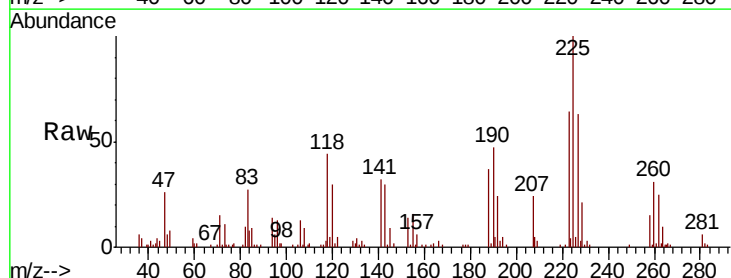
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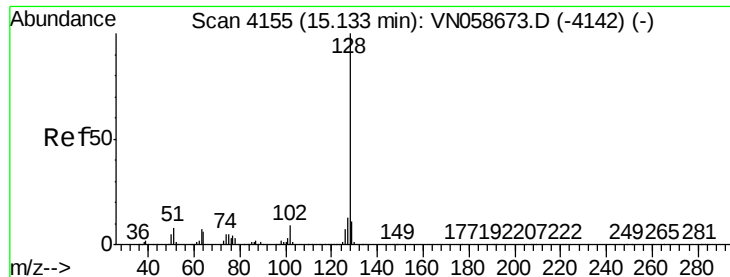
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#90
 Hexachlorobutadiene
 Concen: 17.517 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058970.D
 Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	0.0	126.2
227	64.4	0.0	127.0





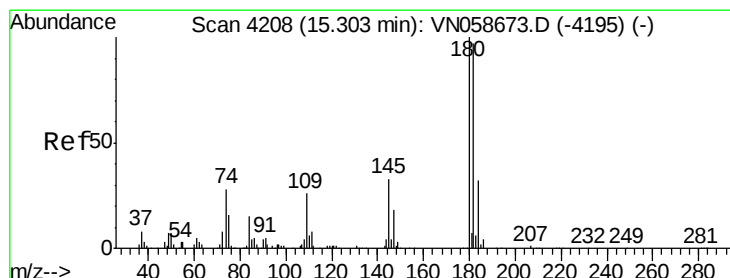
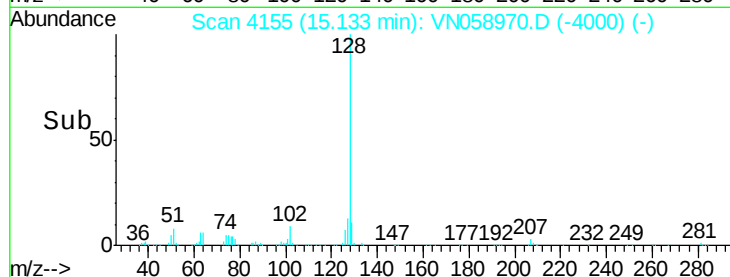
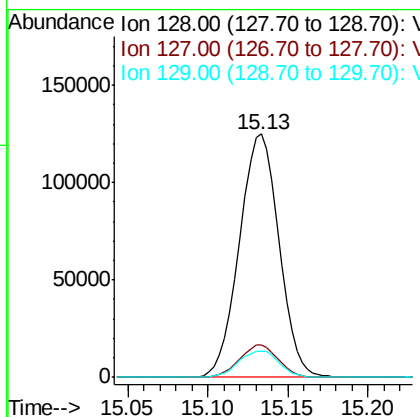
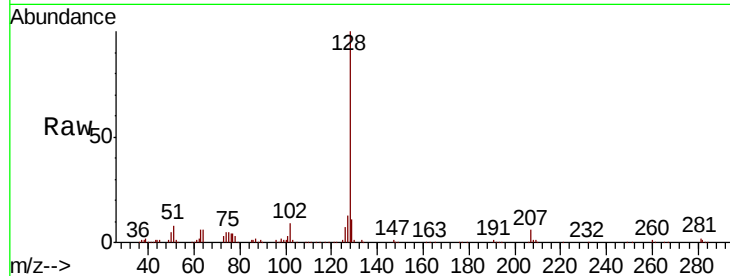
#91
Naphthalene
Concen: 14.773 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 16.342 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058970.D
Acq: 24 Oct 2019 18:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	0.0	193.4
145	32.2	0.0	65.8

