

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062940.D
 Acq On : 14 Aug 2020 17:14
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

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8/17/2020 5:45:11 PM

Quant Time: Aug 14 17:41:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	28457	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	152822	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	157048	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	75110	29.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.50%
60) 4-Bromofluorobenzene	12.38	95	86147	31.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.83%
63) Toluene-d8	10.06	98	205099	27.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	93.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	51344	21.045	ug/l 100
3) Chloromethane	2.03	50	36768	17.399	ug/l 95
4) Vinyl Chloride	2.16	62	49712	22.268	ug/l 100
5) Bromomethane	2.52	94	37178	19.310	ug/l 98
6) Chloroethane	2.66	64	37696	19.471	ug/l 98
7) Trichlorofluoromethane	2.97	101	87749	20.158	ug/l 99
8) Diethyl Ether	3.37	74	17321	18.180	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	28801	20.111	ug/l 98
10) 1,1-Dichloroethene	3.69	96	24726	18.833	ug/l 95
11) Methyl Iodide	3.91	142	26747	14.667	ug/l 100
12) Methyl Acetate	4.28	43	35100	17.651	ug/l 96
13) Acrolein	3.57	56	18202	71.644	ug/l 97
14) Acrylonitrile	4.93	53	77686	89.494	ug/l 99
15) Acetone	3.78	58	24785	106.900	ug/l 84
16) Carbon Disulfide	4.00	76	66030	17.634	ug/l 98
17) Allyl chloride	4.27	41	40197	17.772	ug/l 92
18) Methylene Chloride	4.50	84	31681	18.651	ug/l 99
19) trans-1,2-Dichloroethene	4.98	96	26993	18.409	ug/l 98
20) Diisopropyl ether	5.90	45	97888	18.488	ug/l 90
21) 1,1-Dichloroethane	5.79	63	57035	18.405	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	32257	18.399	ug/l # 88
23) tert-Butyl Alcohol	4.74	59	32118	86.483	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	103710	18.178	ug/l 100
25) Chloroform	7.33	83	62202	18.499	ug/l 98
26) Cyclohexane	7.61	56	48705	18.564	ug/l # 95
29) 1,1-Dichloropropene	7.75	75	40897	18.142	ug/l 98
30) 2-Butanone	6.79	43	106731	91.716	ug/l # 96
31) 2,2-Dichloropropane	6.77	77	56384	25.119	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	57460	18.604	ug/l 96
33) Carbon Tetrachloride	7.73	117	51338	18.745	ug/l 97
34) Benzene	8.00	78	123664	18.248	ug/l 94
35) Methacrylonitrile	7.12	41	13044	12.635	ug/l 99
36) 1,2-Dichloroethane	8.09	62	53020	18.014	ug/l 99
37) Trichloroethene	8.80	130	31380	18.669	ug/l 99
38) Methylcyclohexane	9.05	83	50324	18.664	ug/l 99
39) 1,2-Dichloropropane	9.08	63	32931	17.802	ug/l 99
40) Dibromomethane	9.18	93	22698	18.116	ug/l 98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	51760	18.406	ug/l	98
42) Vinyl Acetate	5.84	43	339419	86.290	ug/l	100
43) Ethyl Acetate	6.88	43	41869	18.316	ug/l #	90
44) Isopropyl Acetate	8.13	43	64853	17.374	ug/l	98
45) 1,4-Dioxane	9.17	88	12547	343.218	ug/l #	95
46) Methyl methacrylate	9.17	41	31091	16.656	ug/l	95
47) n-amyl Acetate	12.05	43	71587	21.497	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	55804	18.996	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	56351	19.089	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	34718	19.279	ug/l	96
51) Ethyl methacrylate	10.40	69	49165	17.935	ug/l	97
52) 1,3-Dichloropropane	10.68	76	58148	18.689	ug/l	99
53) Dibromochloromethane	10.87	129	40901	19.001	ug/l	95
54) 1,2-Dibromoethane	10.98	107	37724	20.471	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	57499	86.673	ug/l	97
56) Bromoform	12.10	173	34687	22.703	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	227138	83.117	ug/l	99
59) 2-Hexanone	10.72	43	186083	93.258	ug/l	98
61) Tetrachloroethene	10.60	164	29345	18.074	ug/l	96
62) Toluene	10.12	91	140149	16.925	ug/l	99
64) Chlorobenzene	11.41	112	94814	18.253	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	39004	18.158	ug/l	98
66) Ethyl Benzene	11.48	91	167818	18.205	ug/l	100
67) m/p-Xylenes	11.60	106	127037	37.228	ug/l	99
68) o-Xylene	11.92	106	66292	20.237	ug/l	96
69) Styrene	11.94	104	117690	20.234	ug/l	99
70) Isopropylbenzene	12.22	105	181879	19.510	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	55993	18.248	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	51203m	16.850	ug/l	
73) Bromobenzene	12.50	156	41718	18.251	ug/l	98
74) n-propylbenzene	12.57	91	195732	18.194	ug/l	99
75) 2-Chlorotoluene	12.65	91	118833	17.596	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	146342	17.656	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	20905	21.364	ug/l	97
78) 4-Chlorotoluene	12.75	91	122078	17.772	ug/l	99
79) tert-butylbenzene	12.97	119	124525	18.188	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	141230	17.435	ug/l	100
81) sec-Butylbenzene	13.15	105	159858	17.686	ug/l	100
82) p-Isopropyltoluene	13.27	119	146202	18.091	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	73541	18.360	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	78005	19.835	ug/l	96
85) n-Butylbenzene	13.59	91	134215	19.482	ug/l	98
86) Hexachloroethane	13.85	117	32452	18.535	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	82128	19.865	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	12508	17.283	ug/l	96
89) 1,2,4-Trichlorobenzene	14.89	180	30576	16.057	ug/l	99
90) Hexachlorobutadiene	14.98	225	25851	20.320	ug/l	95
91) Naphthalene	15.10	128	72986	14.159	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	29463	15.452	ug/l	94

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Instrument :
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ClientSampleId :
VSTDCCC020EC

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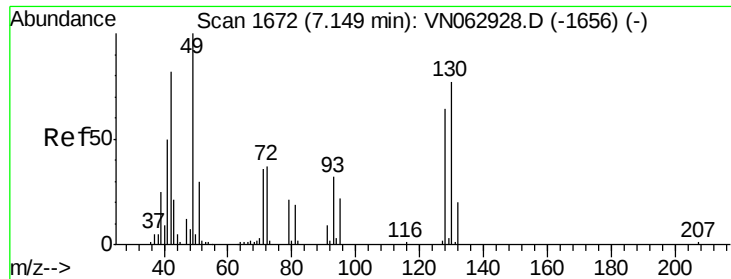
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

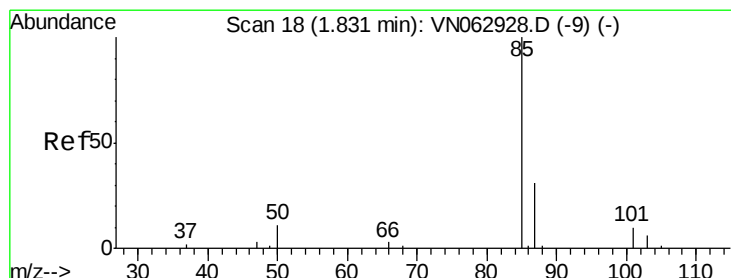
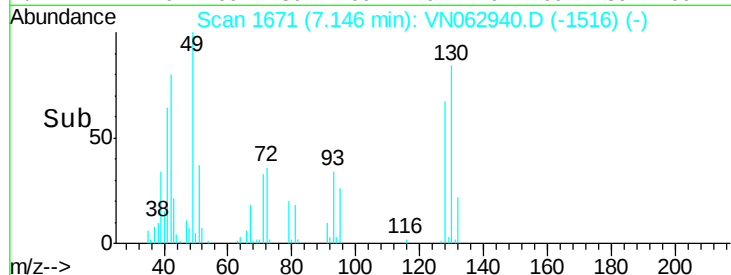
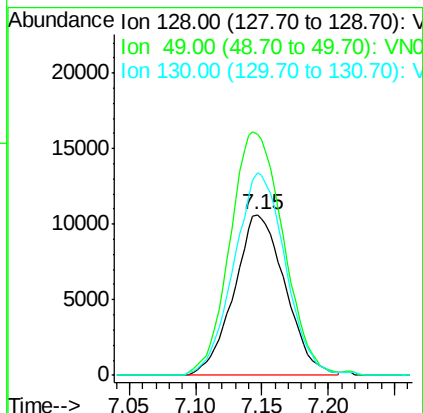
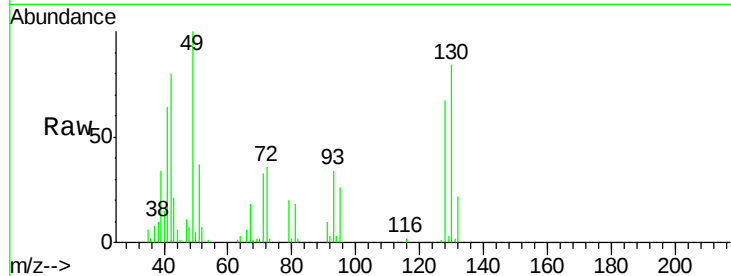
VSTDCCC020EC

Tot Ion:	128	Resp:	28457
Ion	Ratio	Lower	Upper
128	100		
49	157.8	0.0	410.0
130	126.7	0.0	316.5

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#2

Dichlorodifluoromethane

Concen: 21.045 ug/l

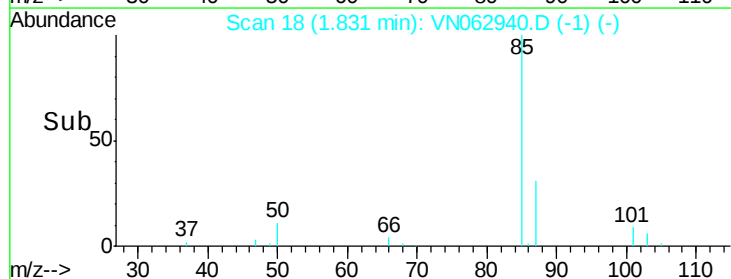
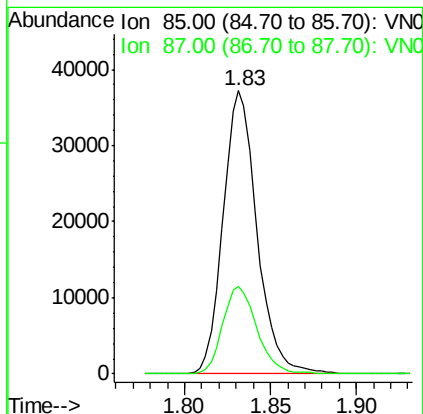
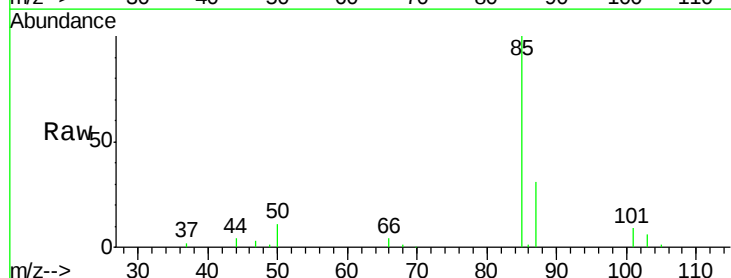
RT: 1.83 min Scan# 18

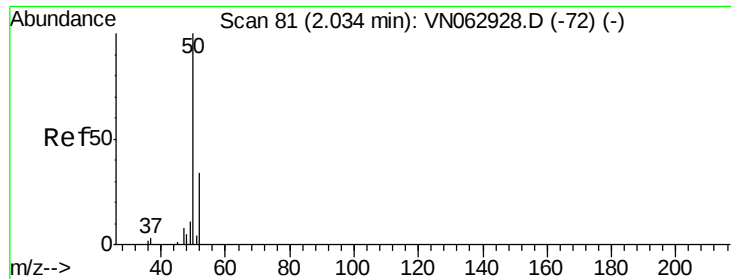
Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Tgt Ion:	85	Resp:	51344
Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.2





#3

Chloromethane

Concen: 17.399 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 36768

Ion Ratio Lower Upper

50 100

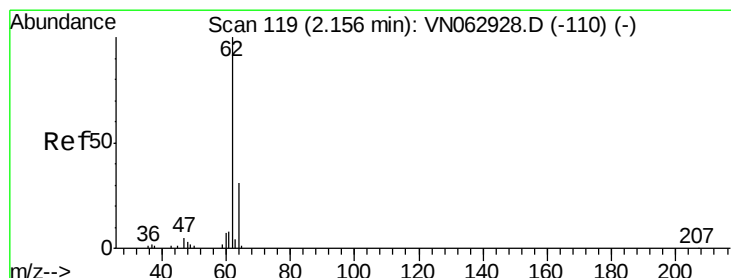
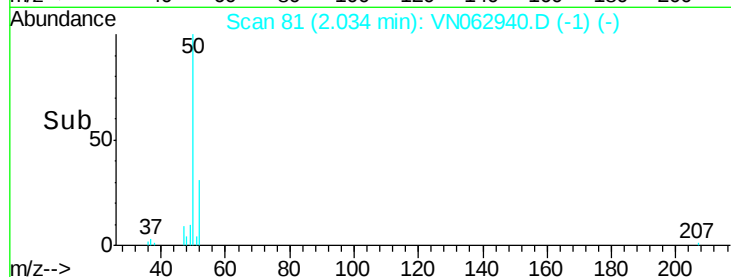
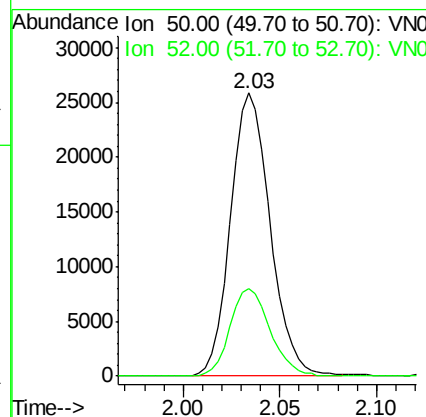
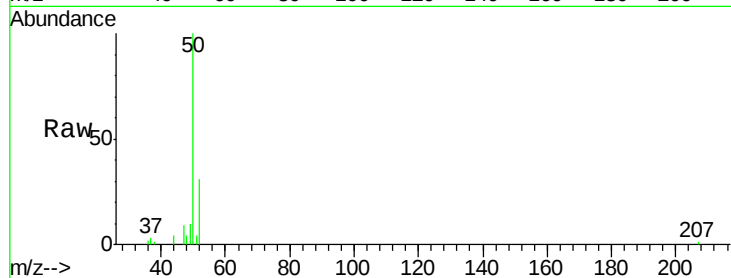
52 31.0 27.1 40.7

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#4

Vinyl Chloride

Concen: 22.268 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062940.D

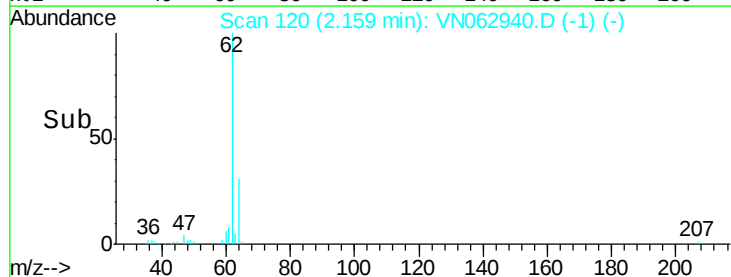
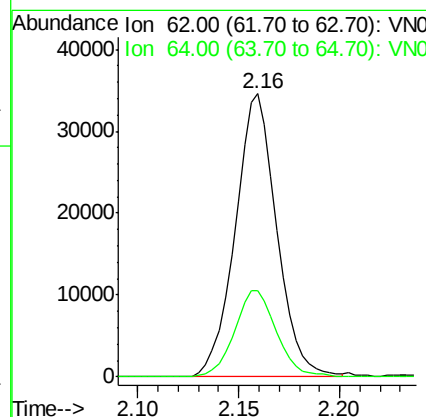
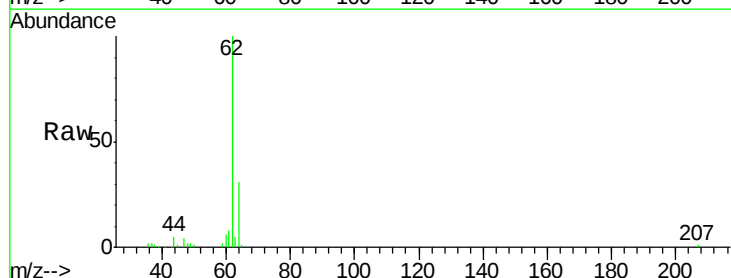
Acq: 14 Aug 2020 17:14

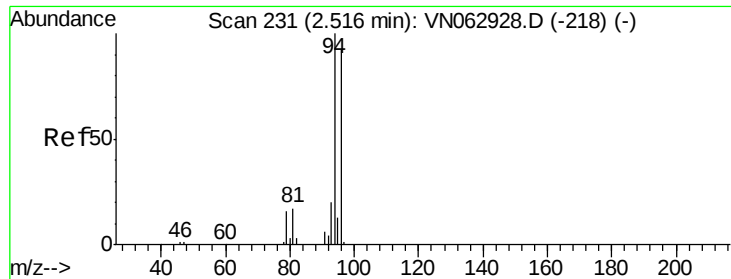
Tgt Ion: 62 Resp: 49712

Ion Ratio Lower Upper

62 100

64 30.7 24.6 37.0





#5

Bromomethane

Concen: 19.310 ug/l

RT: 2.52 min Scan# 231

Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 37178

Ion Ratio Lower Upper

94 100

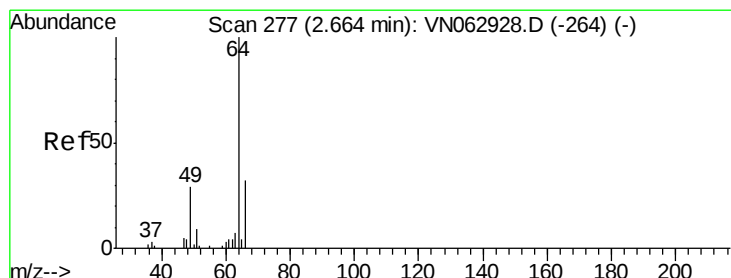
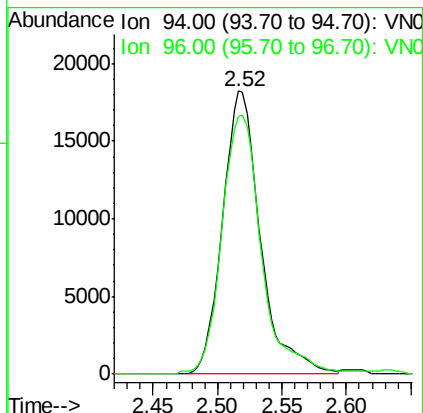
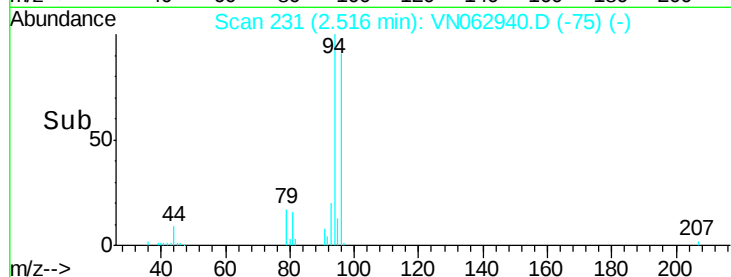
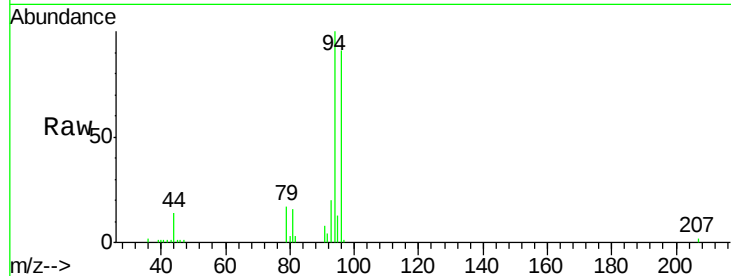
96 90.0 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 19.471 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062940.D

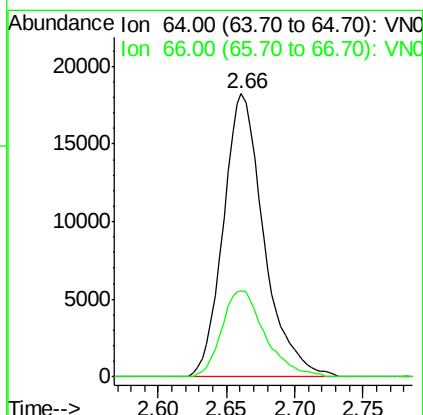
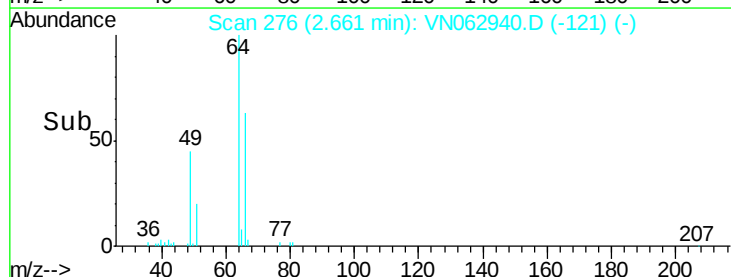
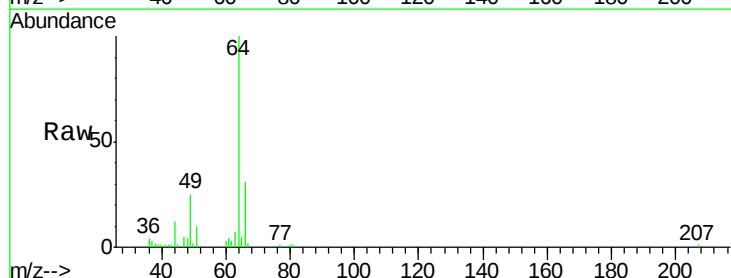
Acq: 14 Aug 2020 17:14

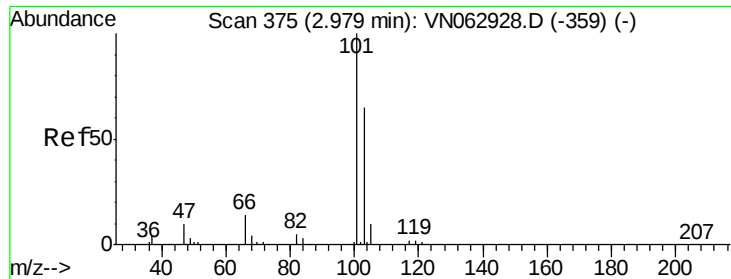
Tgt Ion: 64 Resp: 37696

Ion Ratio Lower Upper

64 100

66 30.6 25.3 37.9





#7

Trichlorofluoromethane
 Concen: 20.158 ug/l
 RT: 2.97 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

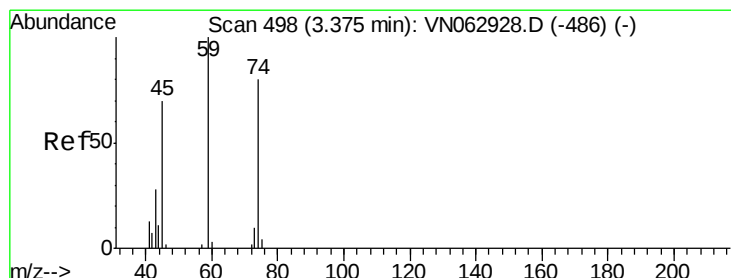
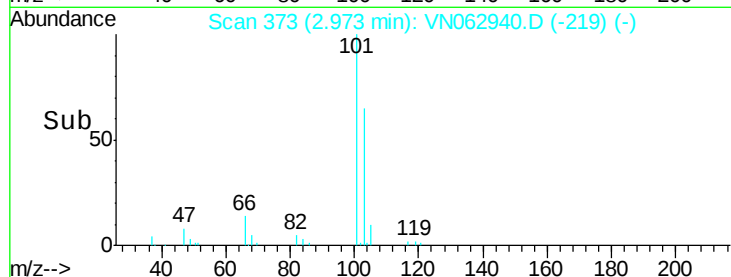
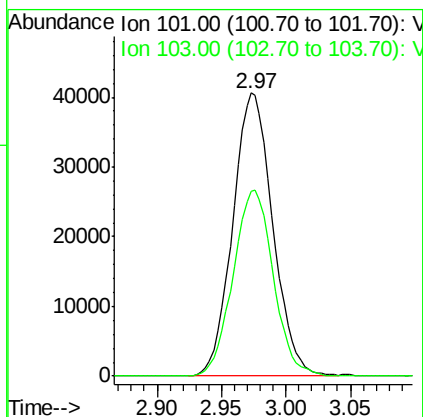
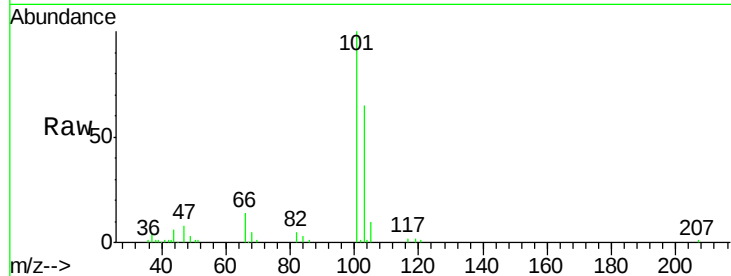
Instrument :
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 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	65.4	51.8	77.6	

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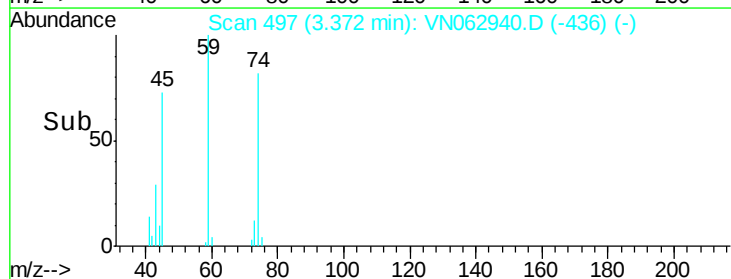
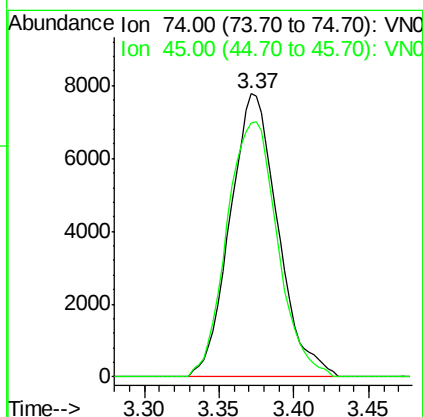
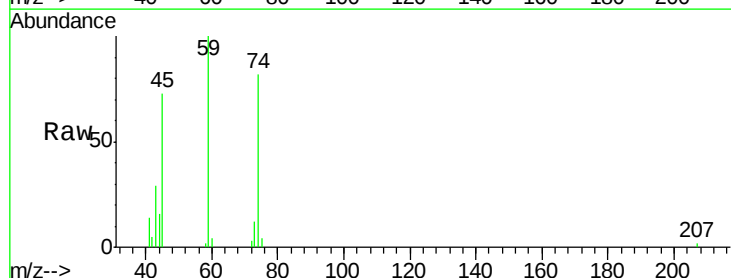
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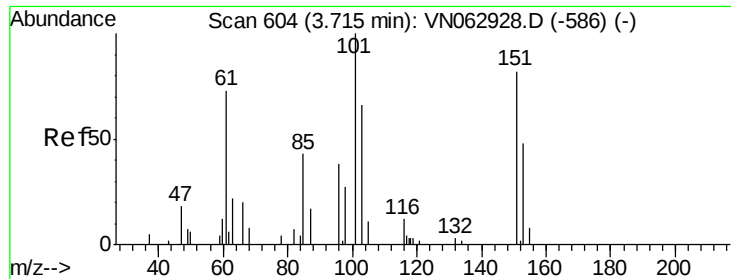


#8

Diethyl Ether
 Concen: 18.180 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	95.1	18.7	167.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.111 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

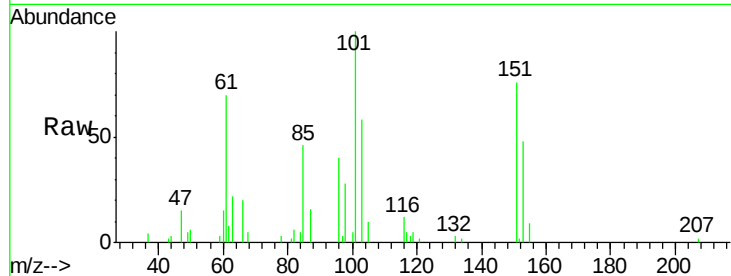
VSTDCCC020EC

Tot Ion:	101	Resp:	28801
Ion Ratio	Lower	Upper	
101	100		
85	46.3	0.0	92.4
151	78.4	0.0	162.6

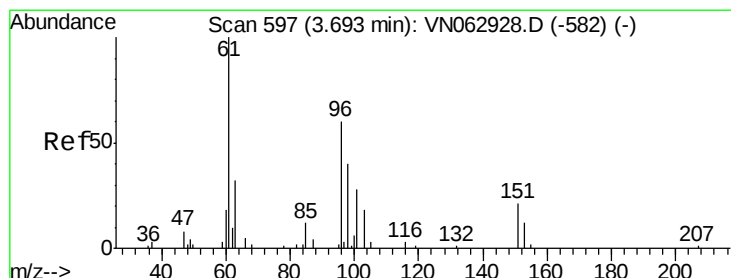
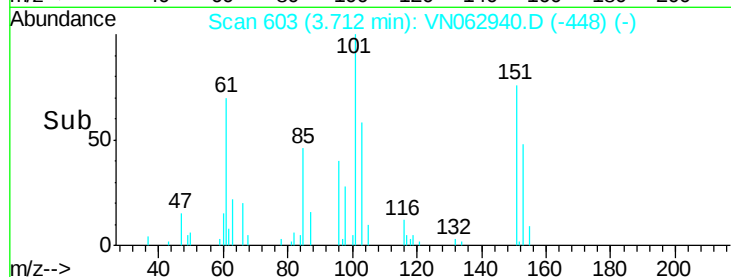
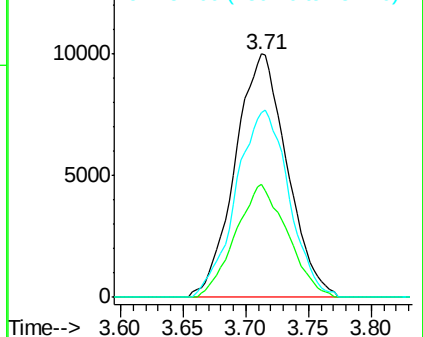
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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VNO
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.833 ug/l

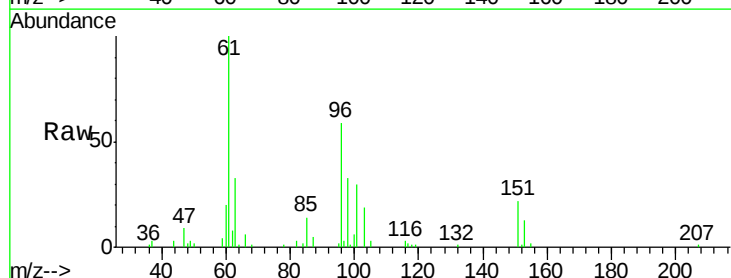
RT: 3.69 min Scan# 596

Delta R.T. -0.00 min

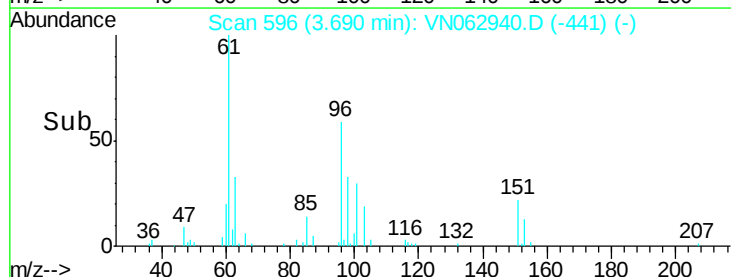
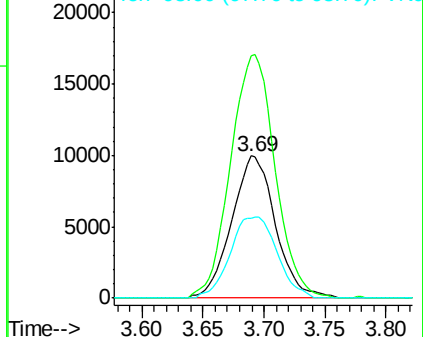
Lab File: VN062940.D

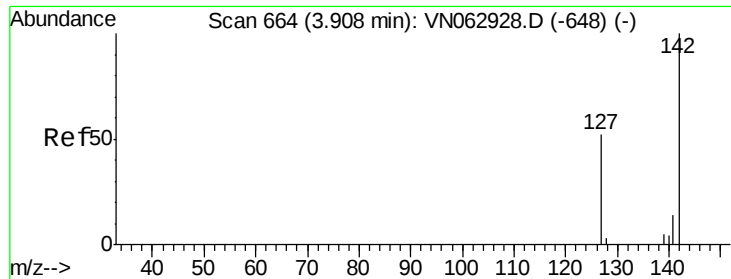
Acq: 14 Aug 2020 17:14

Tgt Ion:	96	Resp:	24726
Ion Ratio	Lower	Upper	
96	100		
61	170.1	134.5	201.7
98	55.7	53.3	79.9



Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#11
Methvl Iodide
Concen: 14.667 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

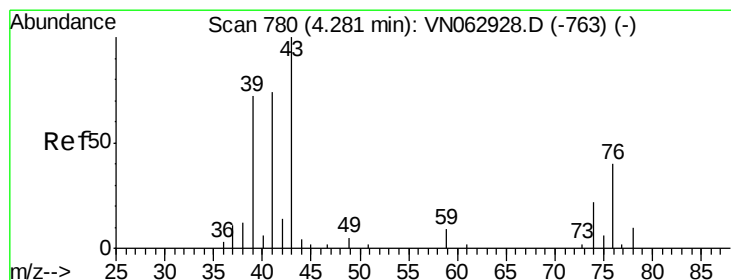
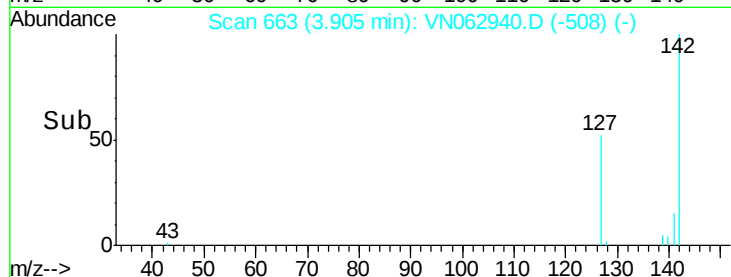
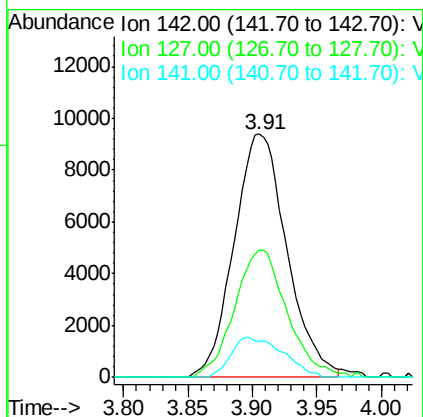
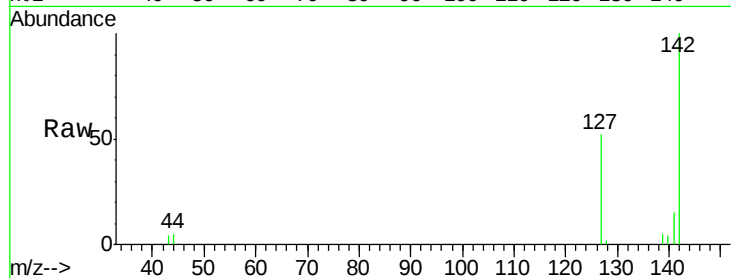
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	52.1	26.1	78.3
141	15.0	7.2	21.7

Manual Integrations
APPROVED

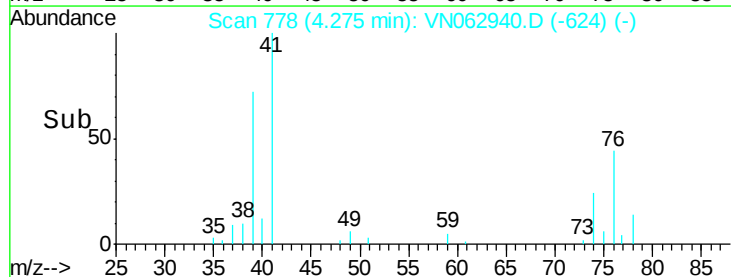
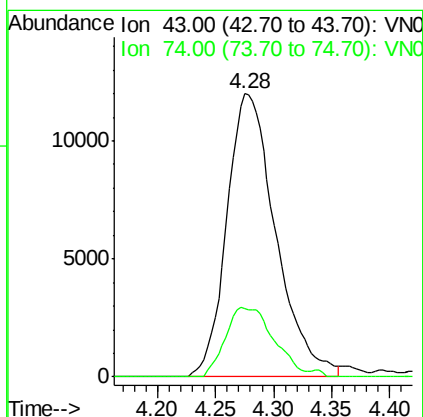
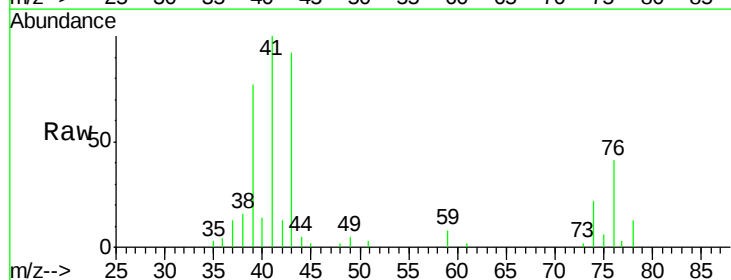
MMDadoda

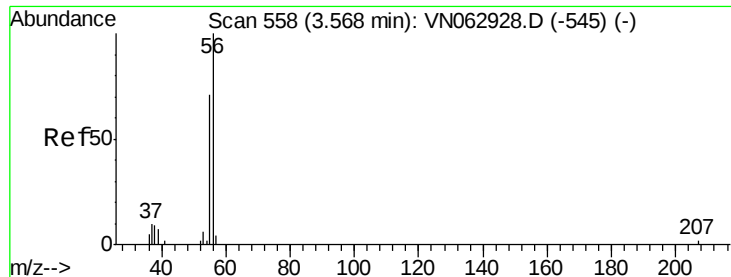
8/17/2020 5:45:11 PM



#12
Methyl Acetate
Concen: 17.651 ug/l
RT: 4.28 min Scan# 778
Delta R.T. -0.01 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.1	27.1





#13

Acrolein

Concen: 71.644 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 18202

Ion Ratio Lower Upper

56 100

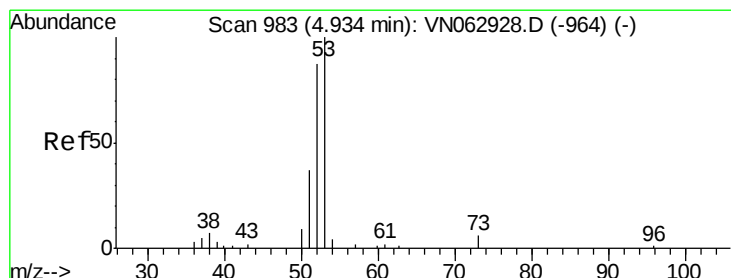
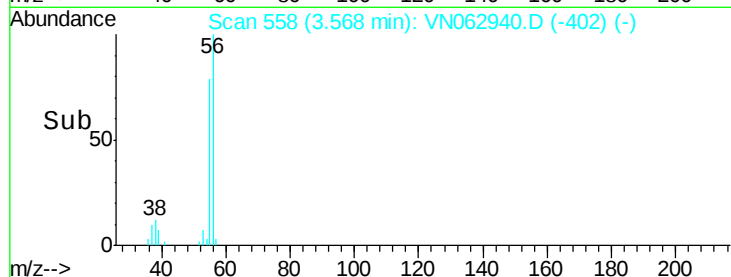
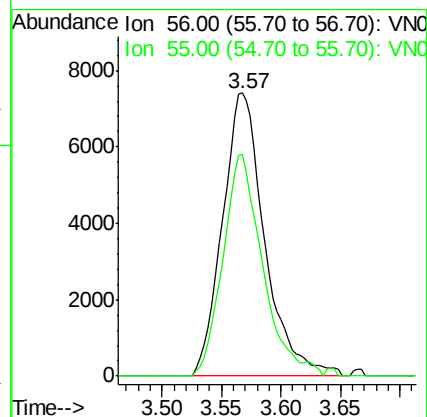
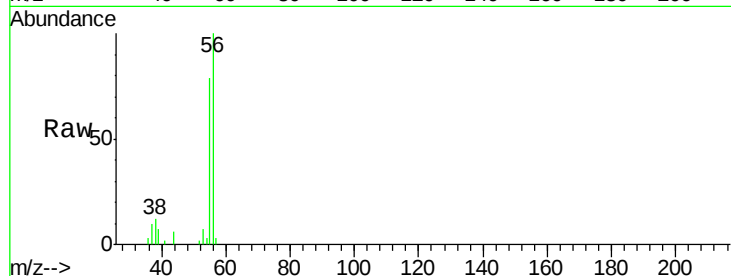
55 72.4 60.2 90.4

Manual Integrations

APPROVED

MMDadoda

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#14

Acrylonitrile

Concen: 89.494 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.01 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

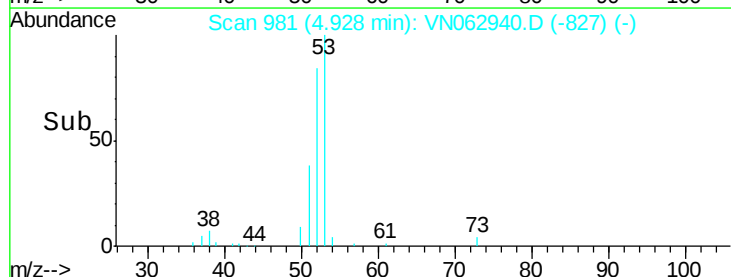
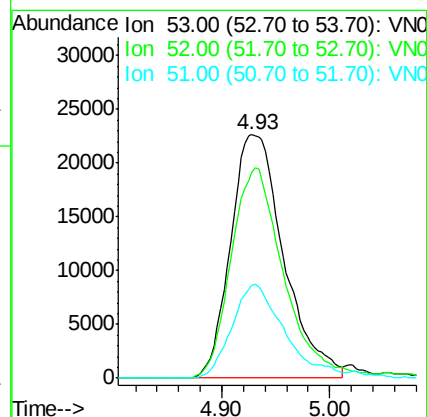
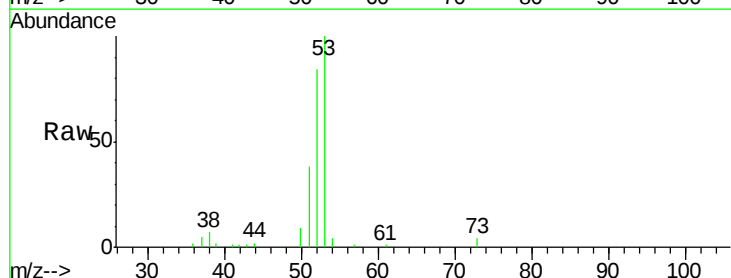
Tgt Ion: 53 Resp: 77686

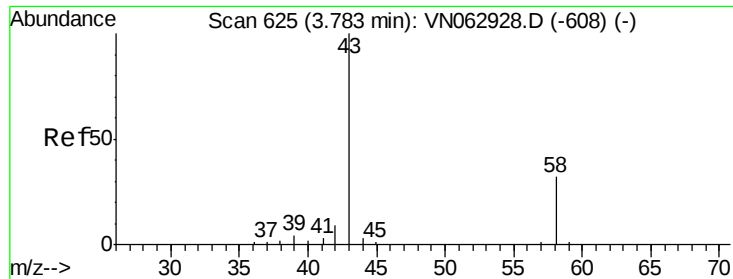
Ion Ratio Lower Upper

53 100

52 85.4 43.1 129.4

51 38.0 19.1 57.1





#15

Acetone

Concen: 106.900 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.01 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Tot Ion: 58 Resp: 24785

Ion Ratio Lower Upper

58 100

43 345.4 250.0 375.0

Instrument :

MSVOA_N

ClientSampleId :

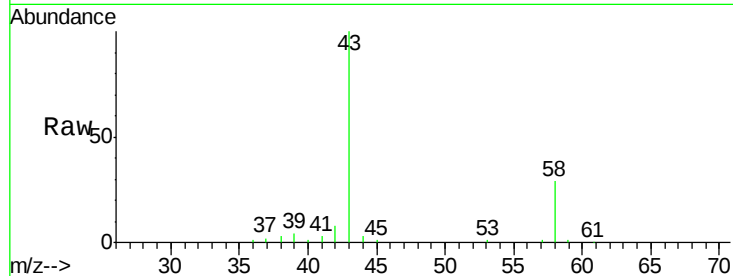
VSTDCCC020EC

Manual Integrations

APPROVED

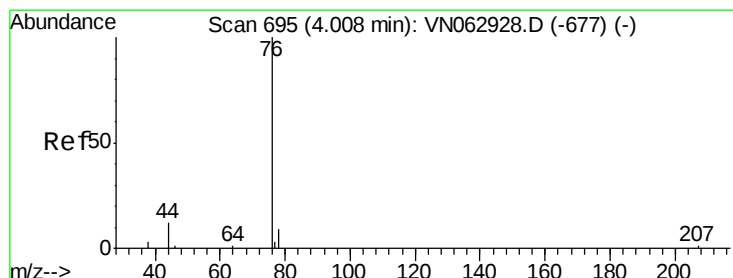
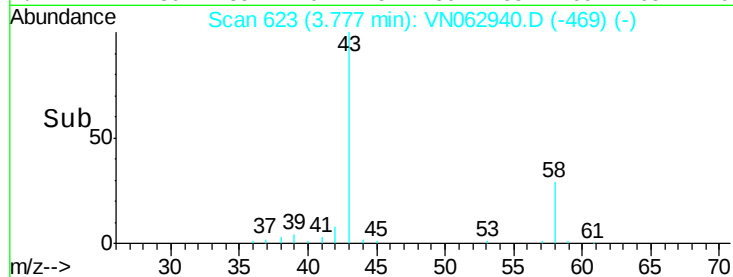
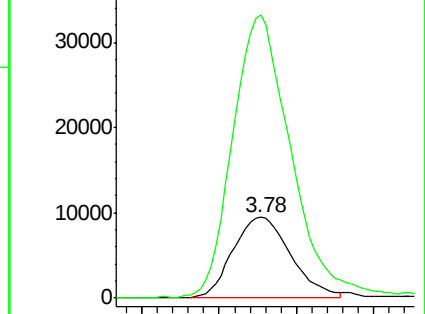
MMDadoda

8/17/2020 5:45:11 PM



Abundance Ion 58.00 (57.70 to 58.70): VN062928.D (-608) (-)

Ion 43.00 (42.70 to 43.70): VN062928.D (-608) (-)



#16

Carbon Disulfide

Concen: 17.634 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062940.D

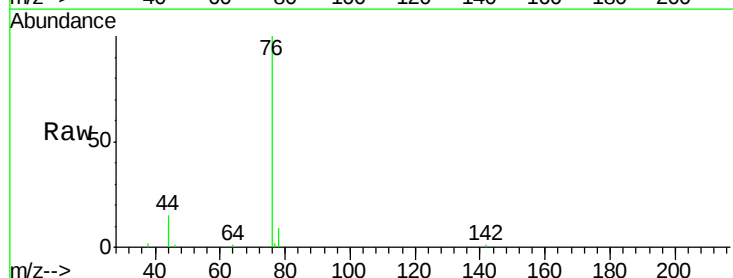
Acq: 14 Aug 2020 17:14

Tgt Ion: 76 Resp: 66030

Ion Ratio Lower Upper

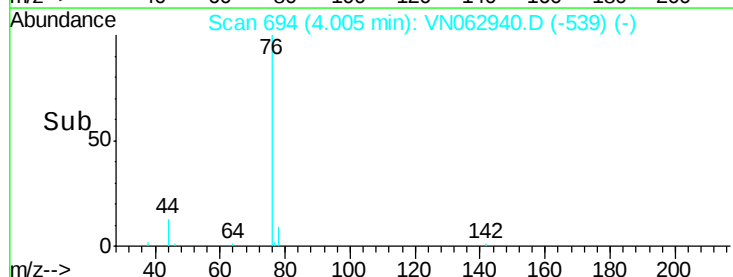
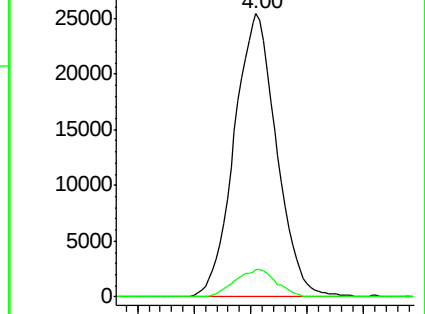
76 100

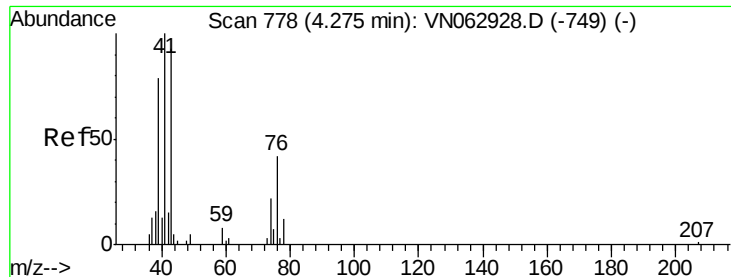
78 9.5 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN062928.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN062928.D (-677) (-)





#17
Allvl chloride
Concen: 17.772 ug/l
RT: 4.27 min Scan# 776
Delta R.T. -0.01 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

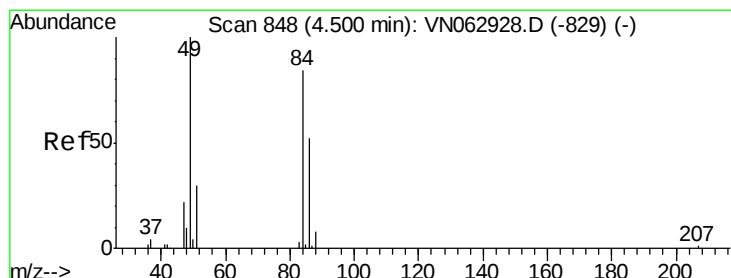
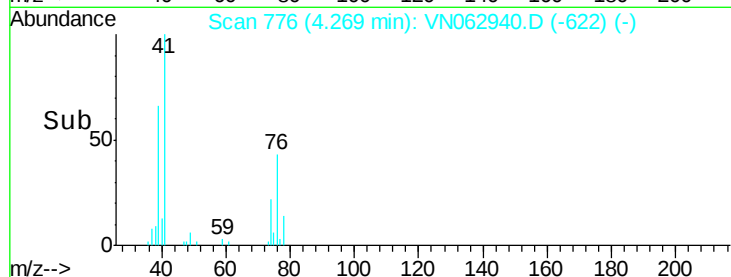
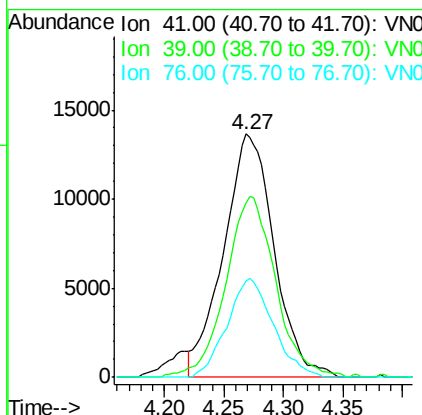
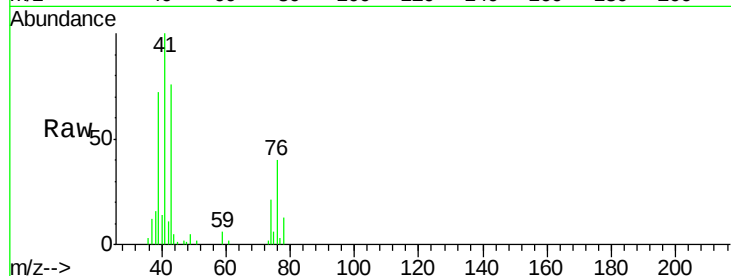
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	40197
Ion	Ratio	Lower	Upper
41	100		
39	70.1	39.6	118.7
76	39.6	21.3	63.7

Manual Integrations
APPROVED

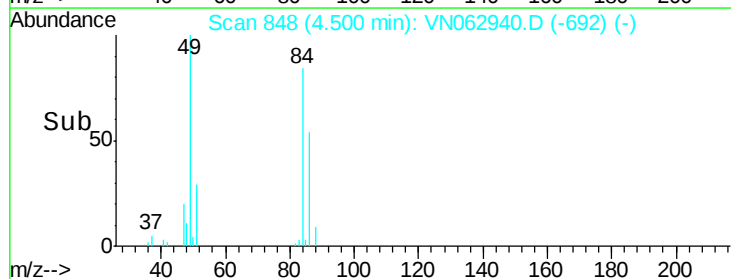
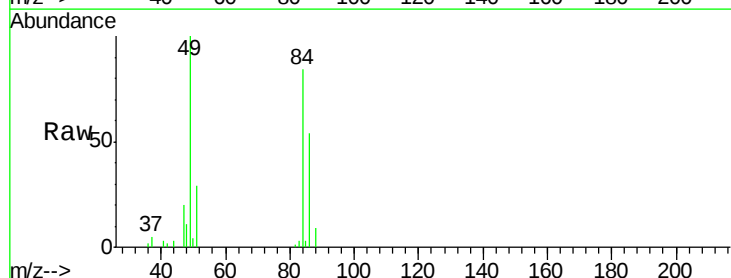
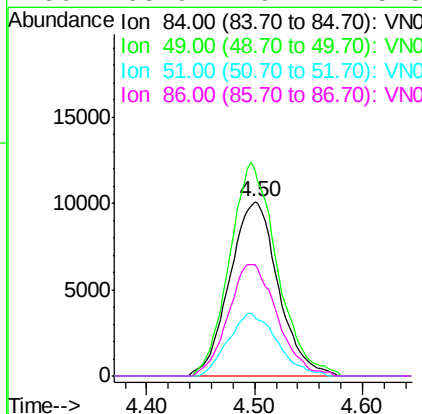
MMDadoda

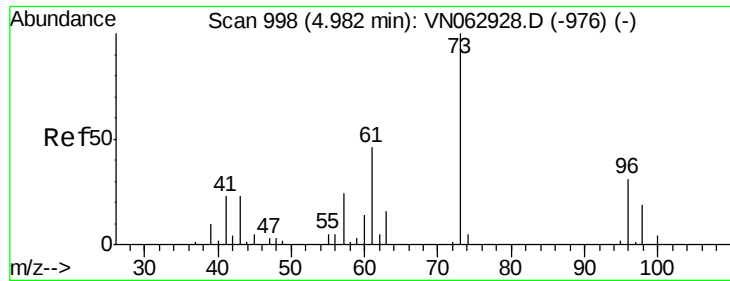
8/17/2020 5:45:11 PM



#18
Methylene Chloride
Concen: 18.651 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion:	84	Resp:	31681
Ion	Ratio	Lower	Upper
84	100		
49	118.4	95.0	142.6
51	34.0	28.2	42.4
86	63.9	49.2	73.8





#19
trans-1,2-Dichloroethene
Concen: 18.409 ug/l
RT: 4.98 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

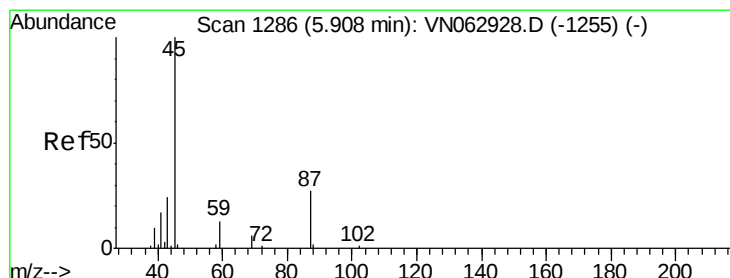
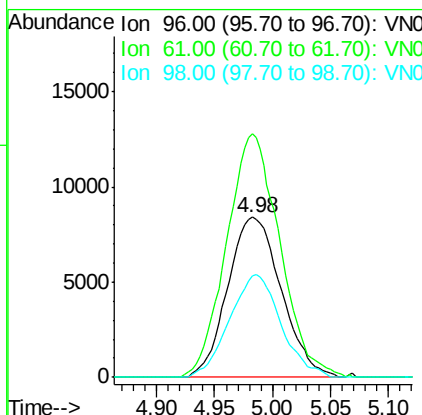
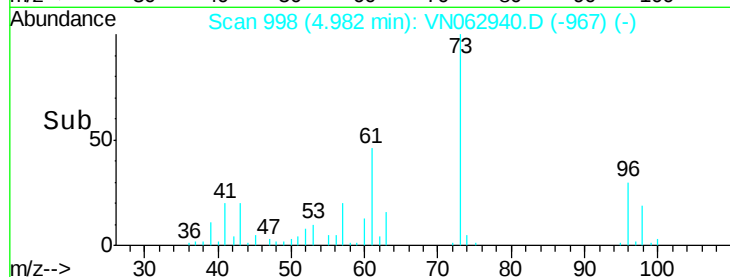
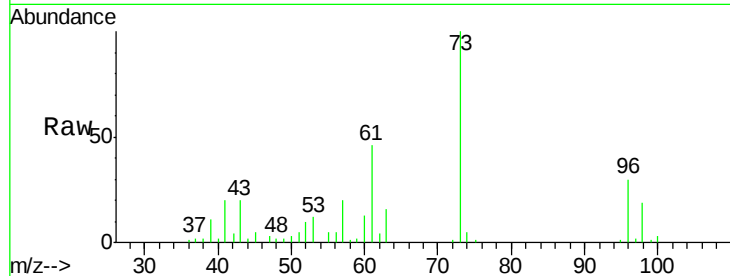
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	118.0	177.0
98	63.7	48.7	73.1

Manual Integrations
APPROVED

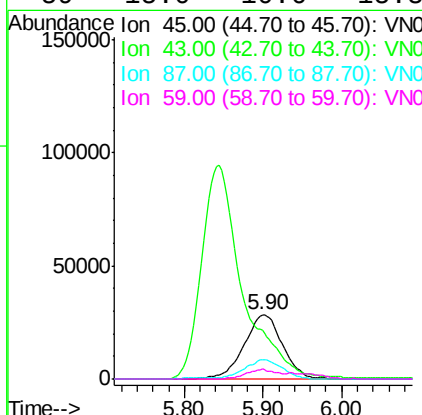
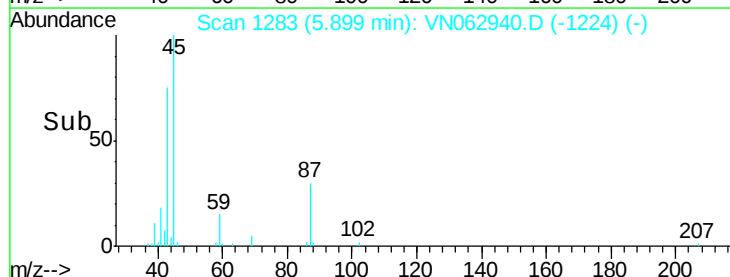
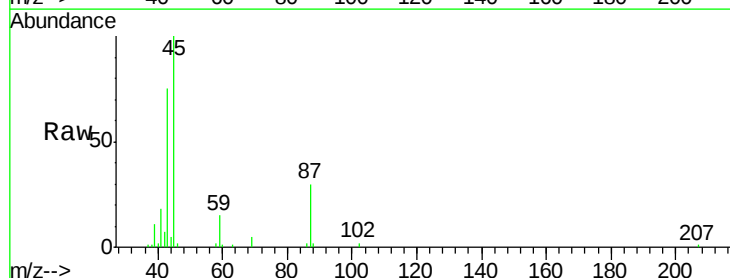
MMDadoda

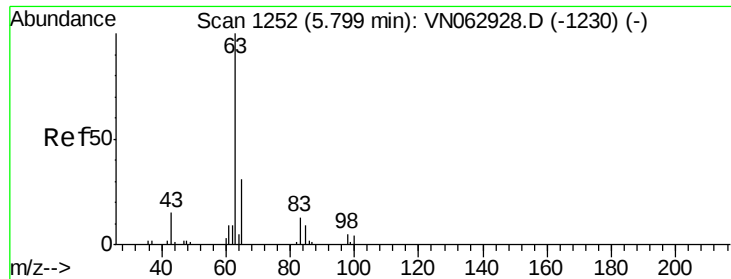
8/17/2020 5:45:11 PM



#20
Diisopropyl ether
Concen: 18.488 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.3	48.6	72.8
87	30.5	22.6	34.0
59	15.0	10.6	15.8





#21

1,1-Dichloroethane

Concen: 18.405 ug/l

RT: 5.79 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

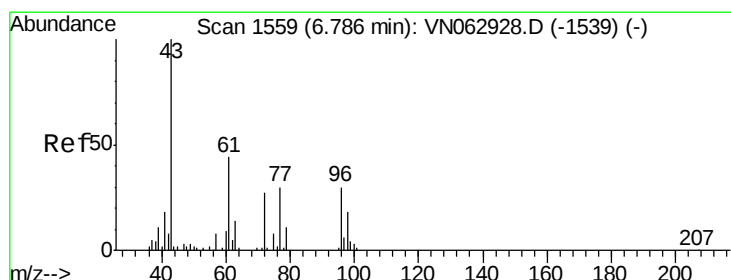
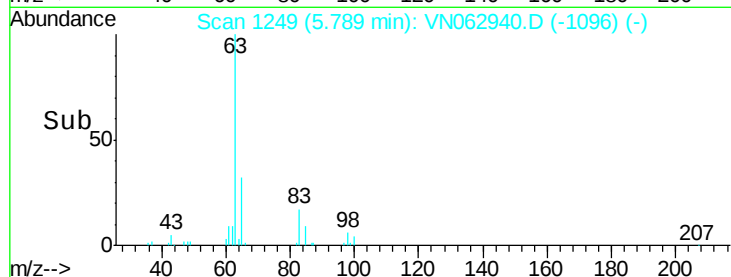
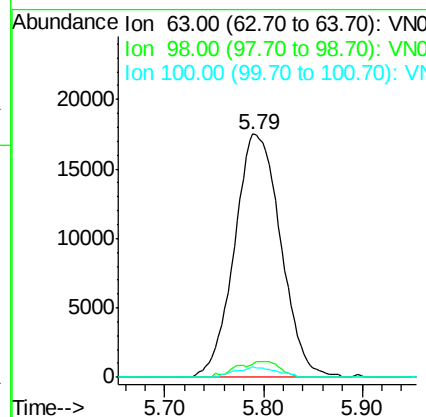
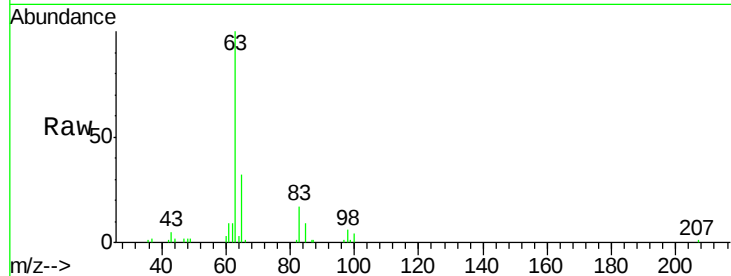
VSTDCCC020EC

Tot Ion:	63	Resp:	57035
Ion Ratio	Lower	Upper	
63	100		
98	5.7	2.6	7.8
100	4.2	2.1	6.5

Manual Integrations
APPROVED

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#22

cis-1,2-Dichloroethene

Concen: 18.399 ug/l

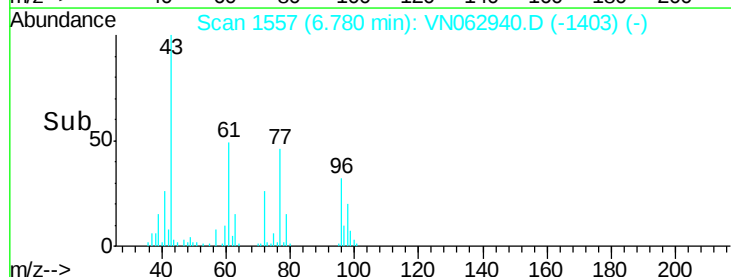
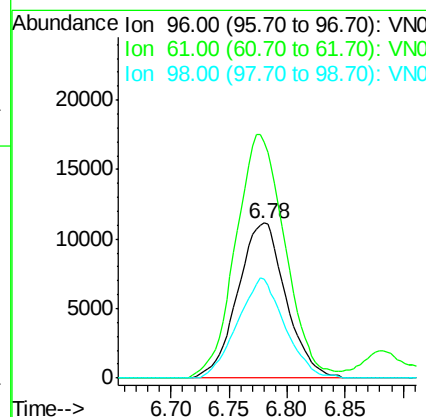
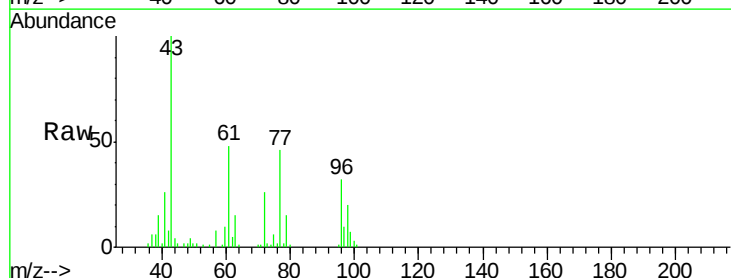
RT: 6.78 min Scan# 1557

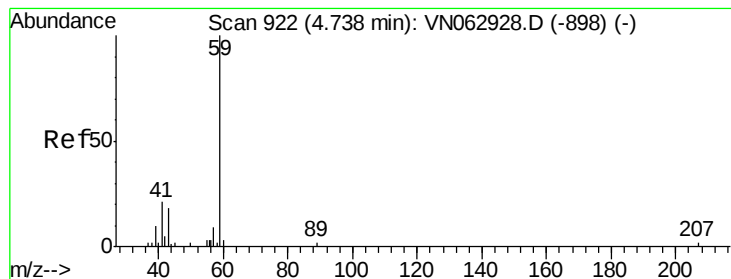
Delta R.T. -0.01 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Tgt Ion:	96	Resp:	32257
Ion Ratio	Lower	Upper	
96	100		
61	161.0	124.9	187.3
98	62.8	27.8	41.6#





#23

tert-Butyl Alcohol
 Concen: 86.483 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

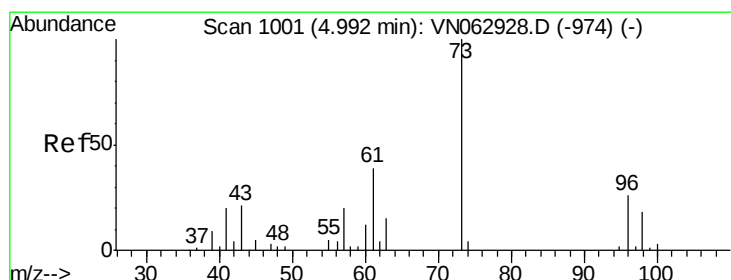
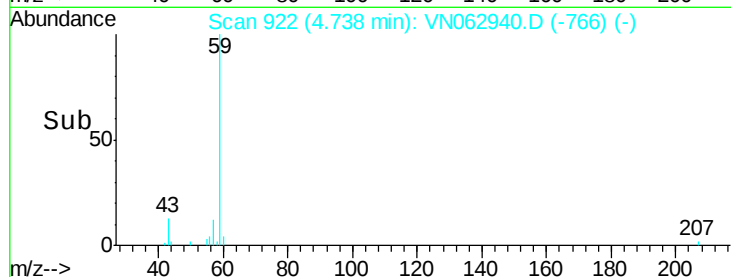
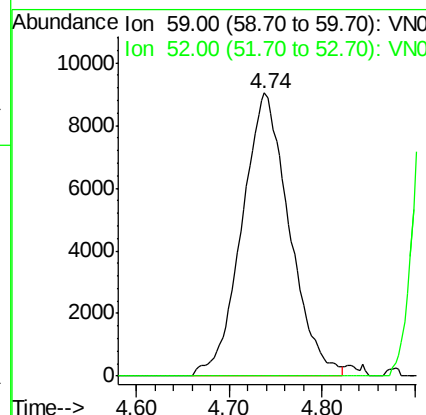
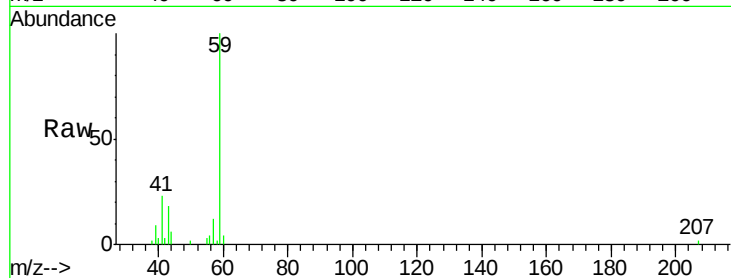
Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	32118		
52	52	0.0		0.0	0.0

Manual Integrations
 APPROVED

MMDadoda

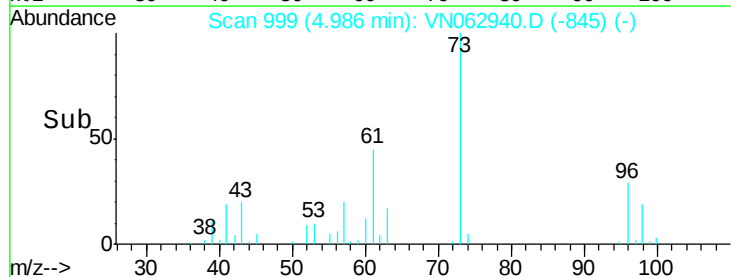
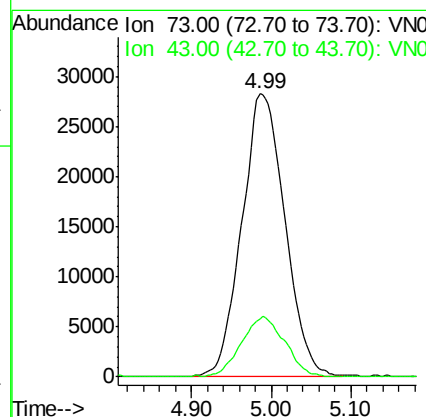
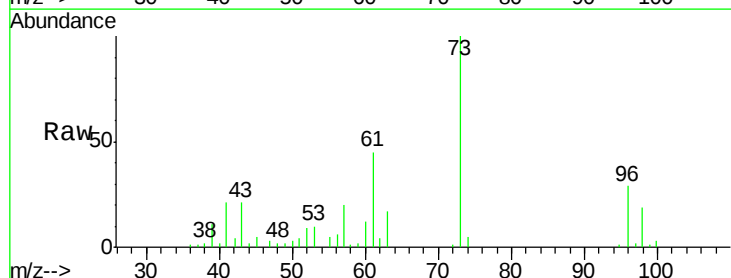
8/17/2020 5:45:11 PM

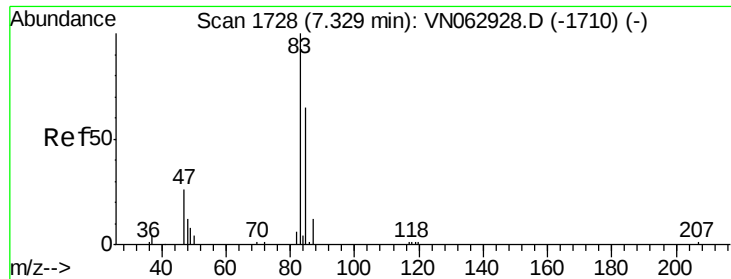


#24

Methyl tert-Butyl Ether
 Concen: 18.178 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	103710		
43	43	21.6		17.3	25.9





#25

Chloroform

Concen: 18.499 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 83 Resp: 62202

Ion Ratio Lower Upper

83 100

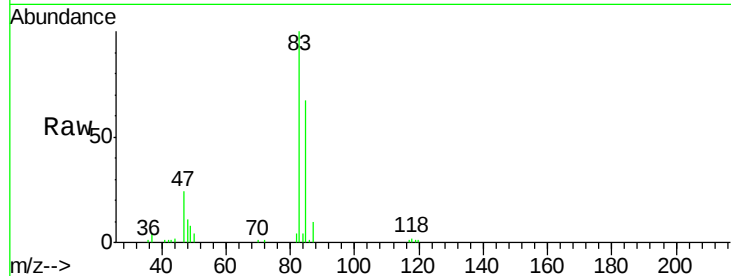
85 67.0 52.3 78.5

Manual Integrations

APPROVED

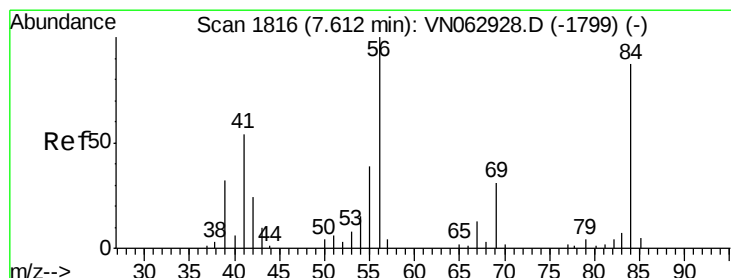
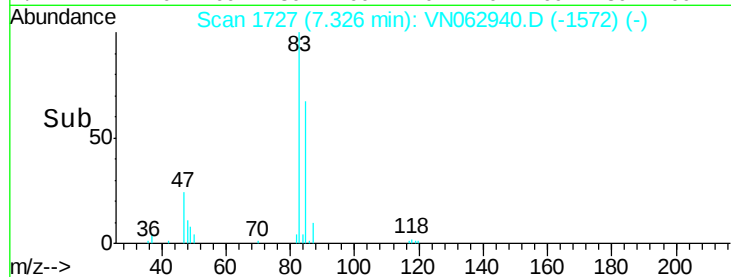
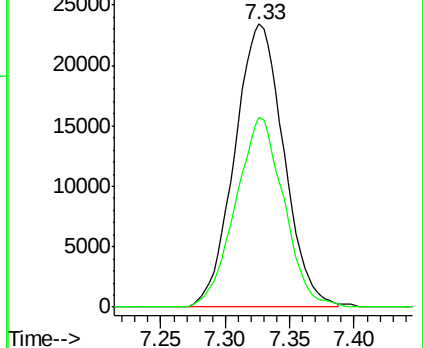
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 18.564 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

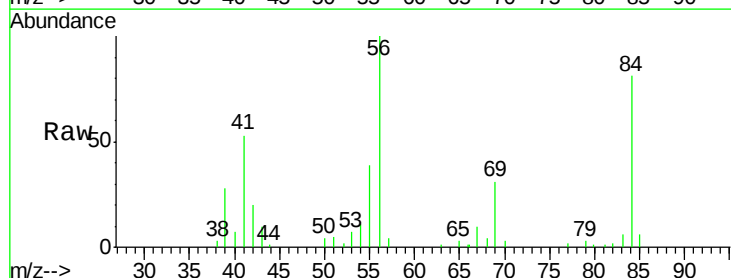
Tgt Ion: 56 Resp: 48705

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

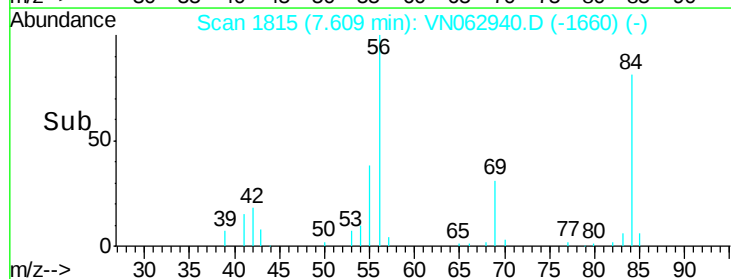
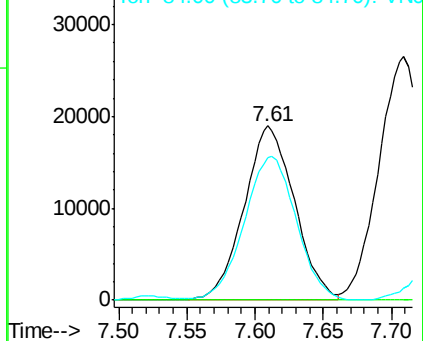
84 85.2 71.9 107.9

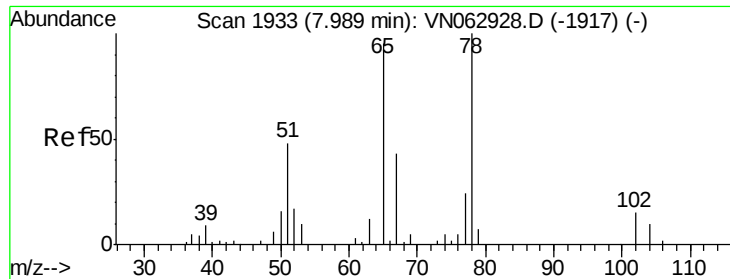


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27
 1,2-Dichloroethane-d4
 Concen: 29.547 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

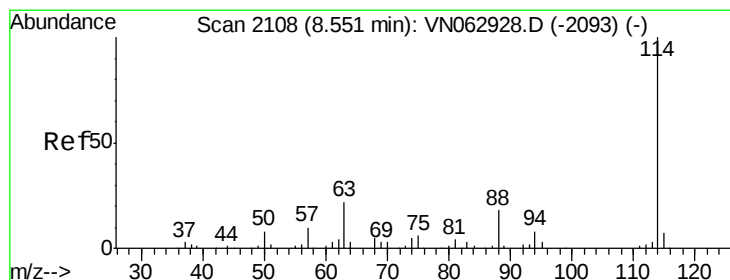
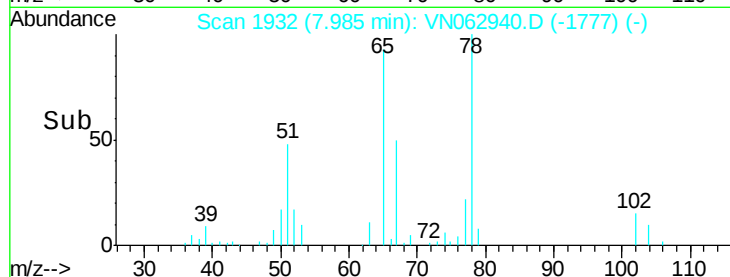
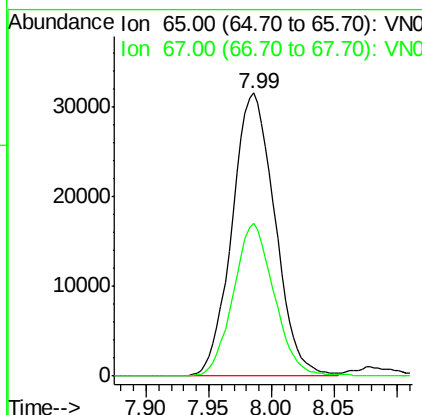
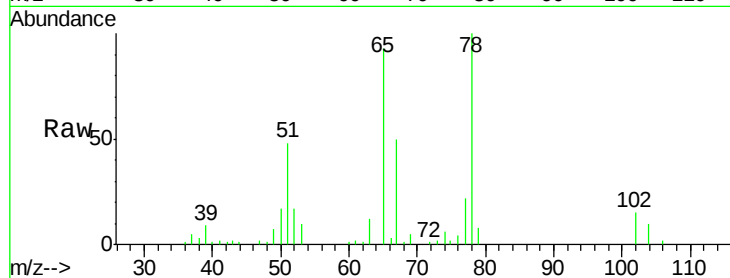
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.1	39.5	59.3

Manual Integrations
 APPROVED

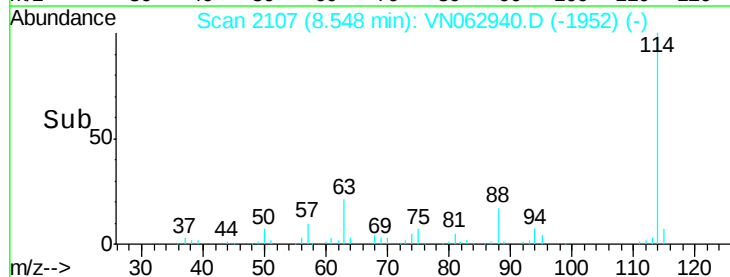
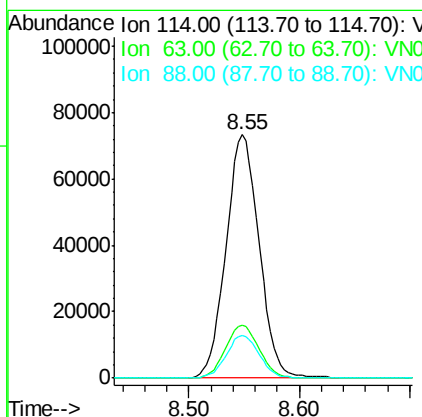
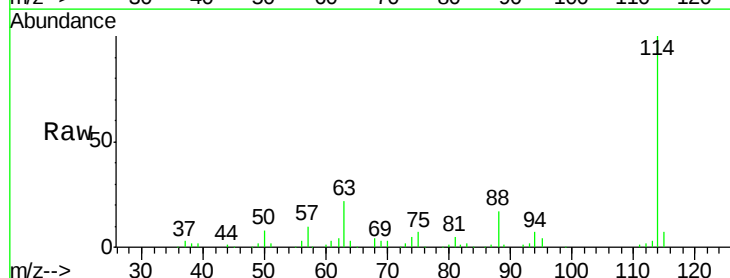
MMDadoda

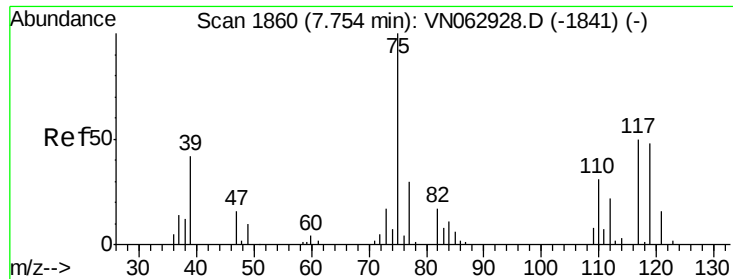
8/17/2020 5:45:11 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	17.7	26.5
88	17.4	13.9	20.9





#29
 1,1-Dichloropropene
 Concen: 18.142 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

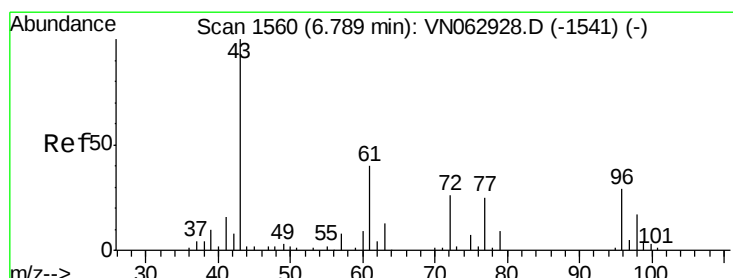
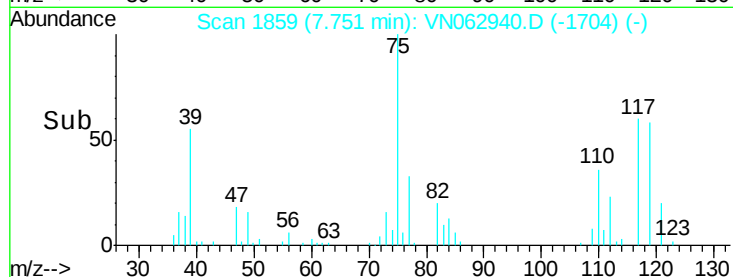
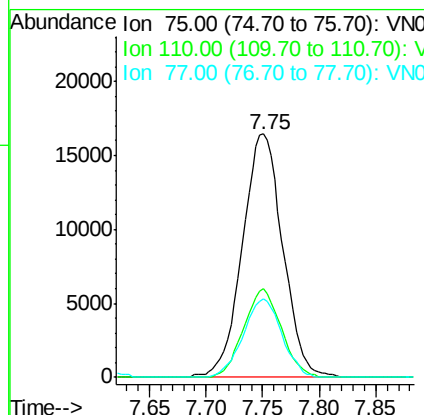
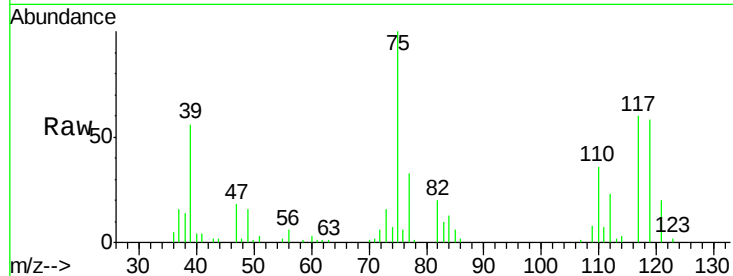
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	40897
Ion Ratio	Lower	Upper	
75	100		
110	33.7	0.0	65.8
77	30.9	0.0	59.8

Manual Integrations
 APPROVED

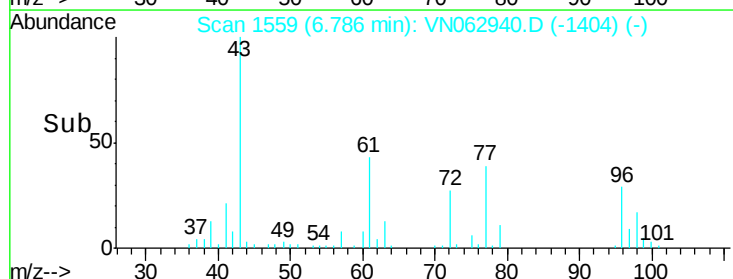
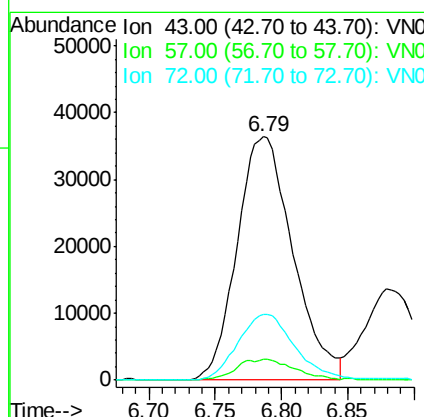
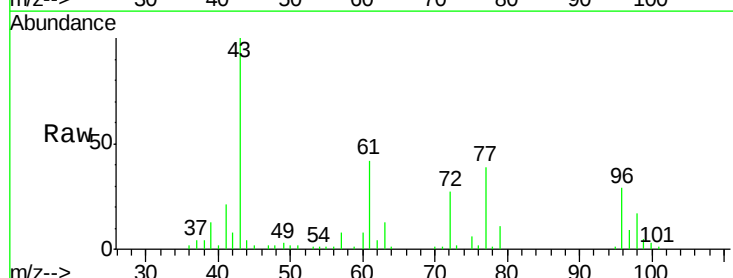
MMDadoda

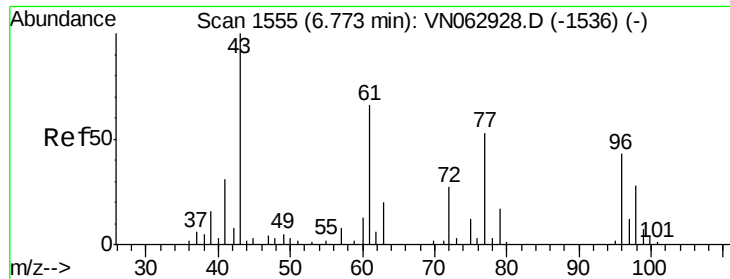
8/17/2020 5:45:11 PM



#30
 2-Butanone
 Concen: 91.716 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion:	43	Resp:	106731
Ion Ratio	Lower	Upper	
43	100		
57	3.2	7.0	10.6#
72	27.6	22.0	33.0





#31
 2,2-Dichloropropane
 Concen: 25.119 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

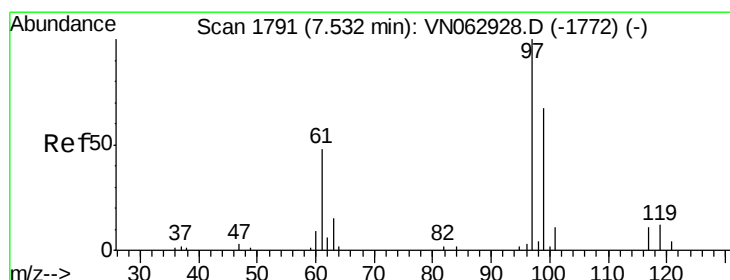
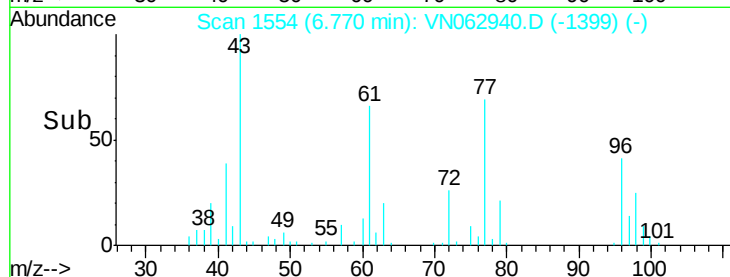
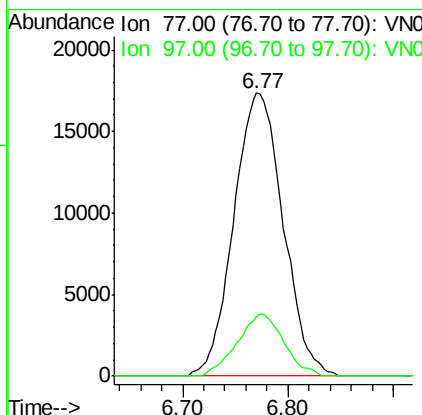
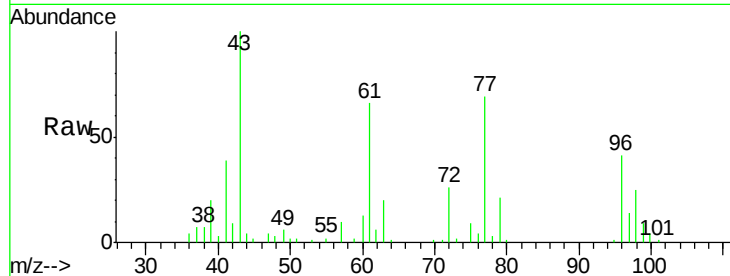
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 56384
 Ion Ratio Lower Upper
 77 100
 97 20.8 16.1 24.1

Manual Integrations
 APPROVED

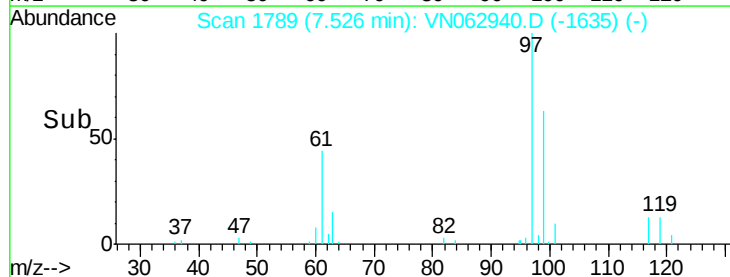
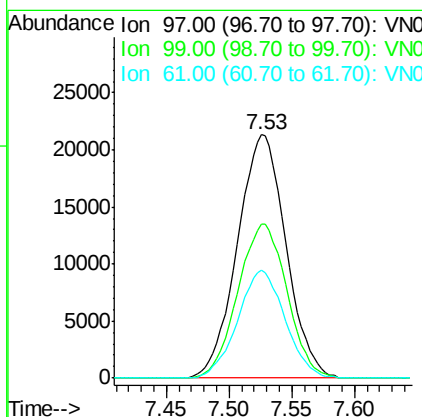
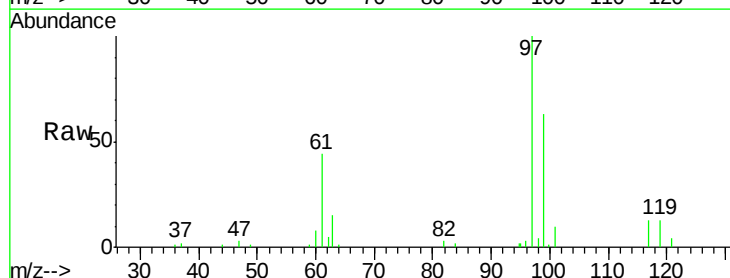
MMDadoda

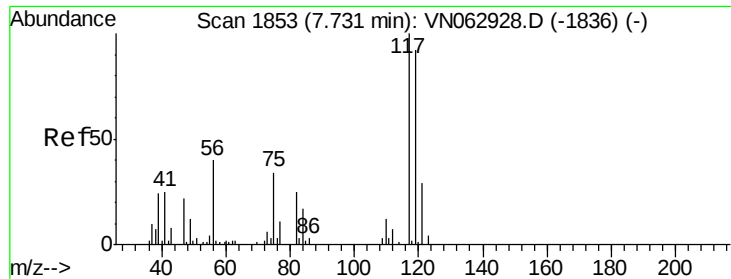
8/17/2020 5:45:11 PM



#32
 1,1,1-Trichloroethane
 Concen: 18.604 ug/l
 RT: 7.53 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion: 97 Resp: 57460
 Ion Ratio Lower Upper
 97 100
 99 63.9 53.8 80.8
 61 43.0 36.3 54.5





#33
Carbon Tetrachloride
Concen: 18.745 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

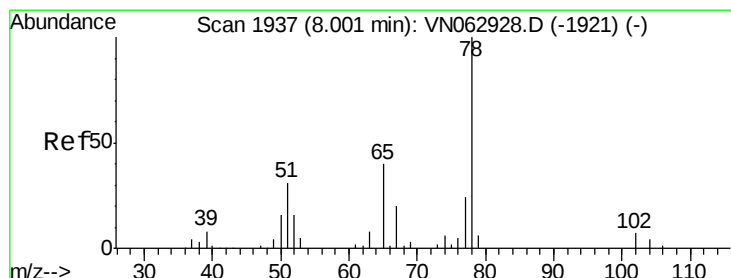
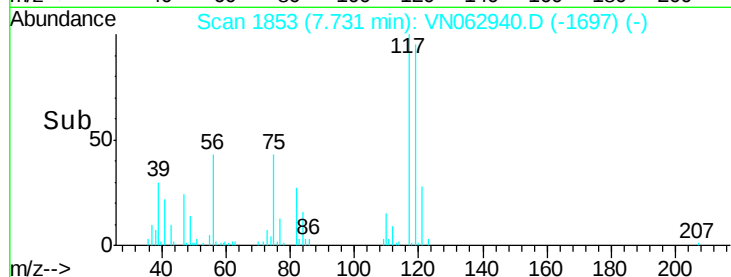
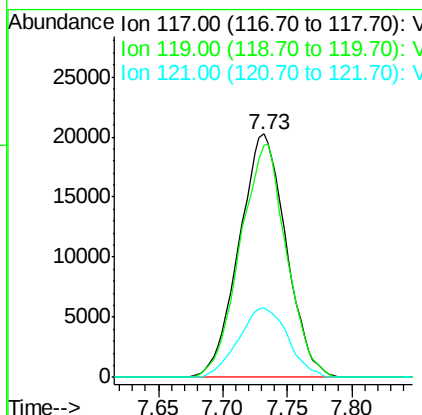
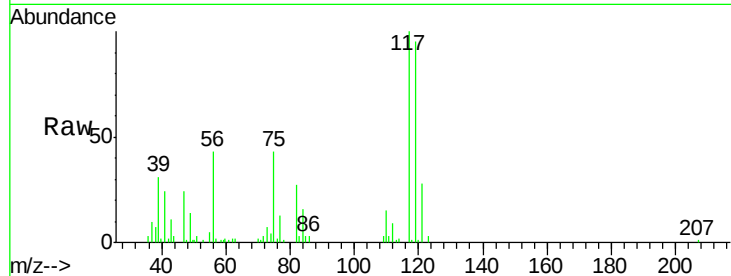
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.5	73.9	110.9
121	28.4	23.2	34.8

Manual Integrations
APPROVED

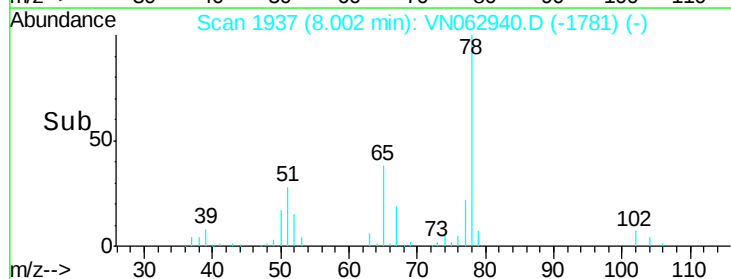
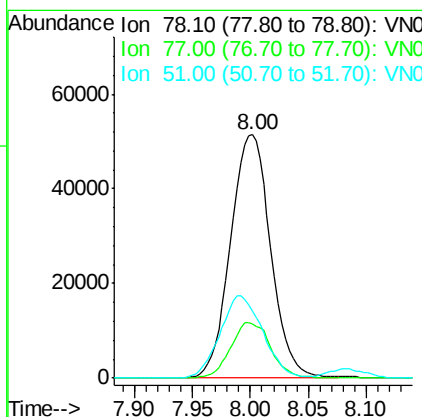
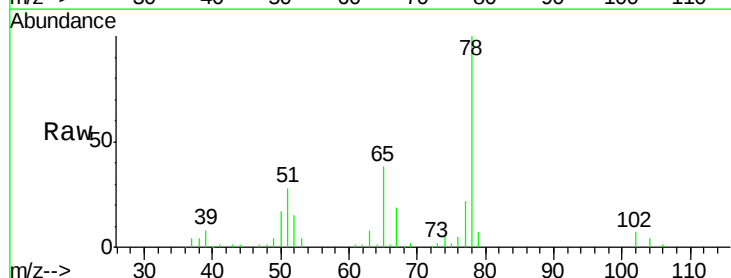
MMDadoda

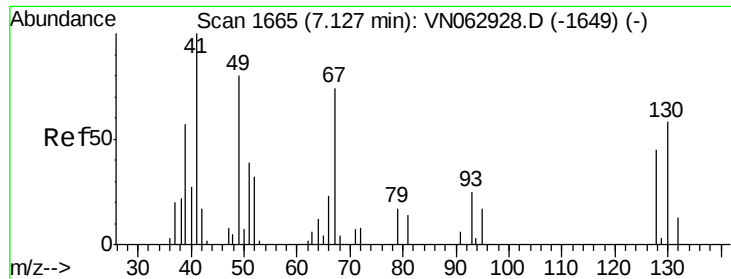
8/17/2020 5:45:11 PM



#34
Benzene
Concen: 18.248 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.3	28.9
51	26.9	24.9	37.3





#35
Methacrylonitrile
Concen: 12.635 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

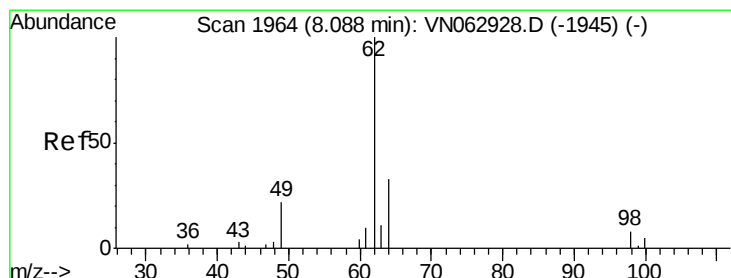
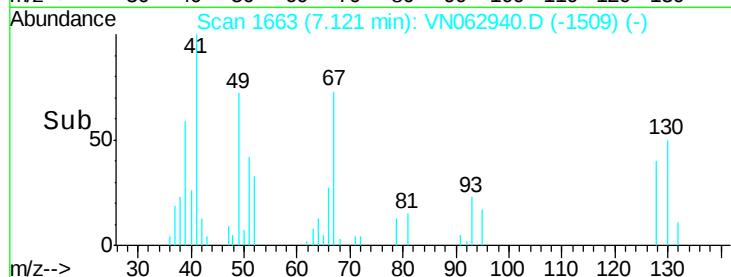
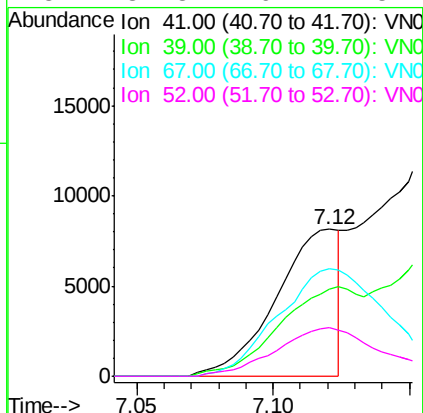
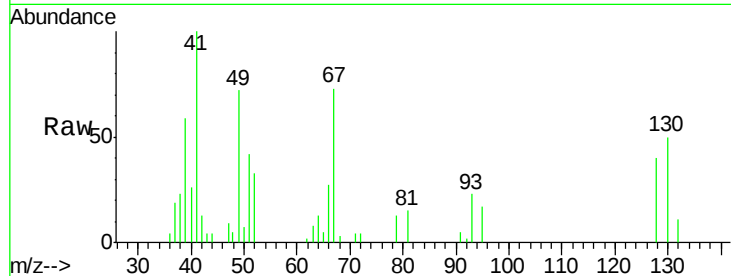
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	13044
Ion	Ratio	Lower	Upper
41	100		
39	59.1	28.7	86.3
67	73.2	36.8	110.3
52	32.8	16.1	48.2

Manual Integrations
APPROVED

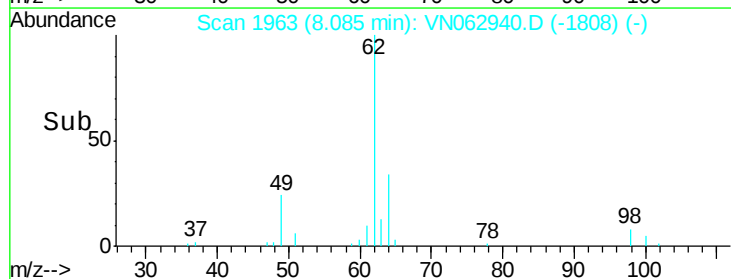
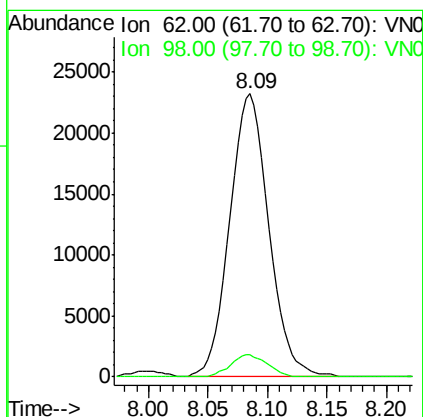
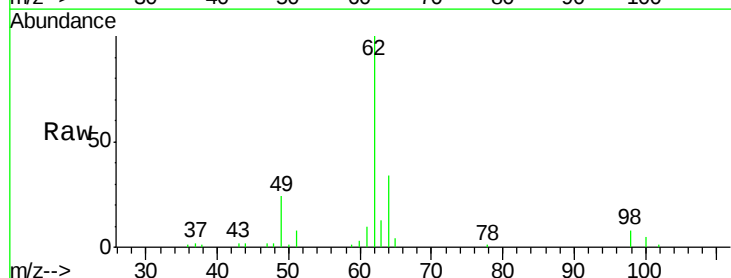
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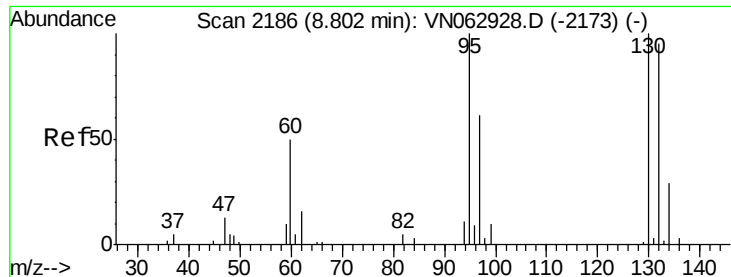
8/17/2020 5:45:11 PM



#36
1,2-Dichloroethane
Concen: 18.014 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion:	62	Resp:	53020
Ion	Ratio	Lower	Upper
62	100		
98	7.3	6.1	9.1





#37
 Trichloroethene
 Concen: 18.669 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

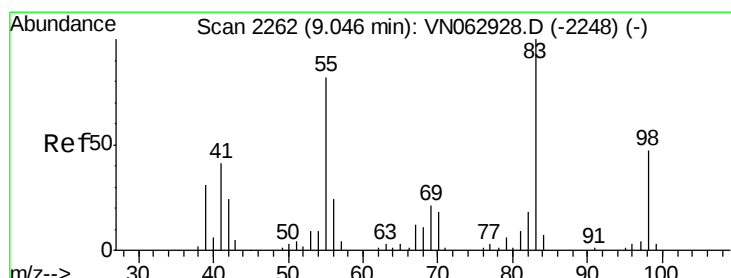
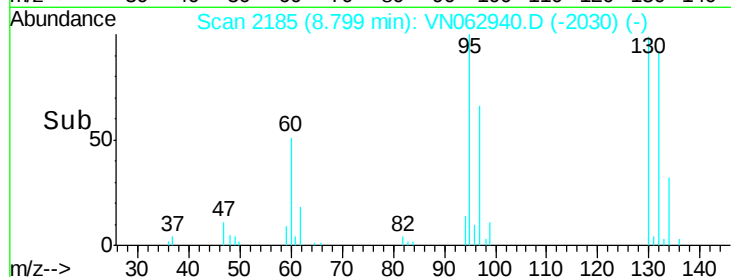
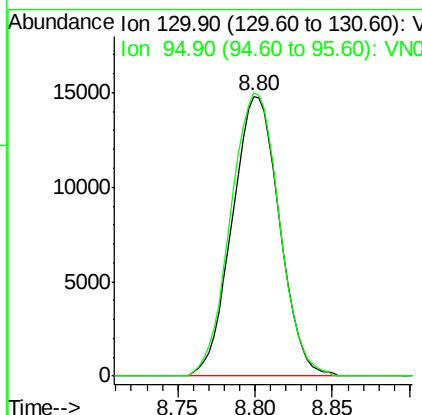
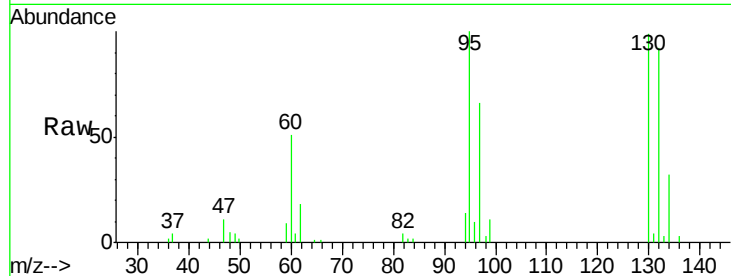
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 31380
 Ion Ratio Lower Upper
 130 100
 95 101.2 80.1 120.1

Manual Integrations
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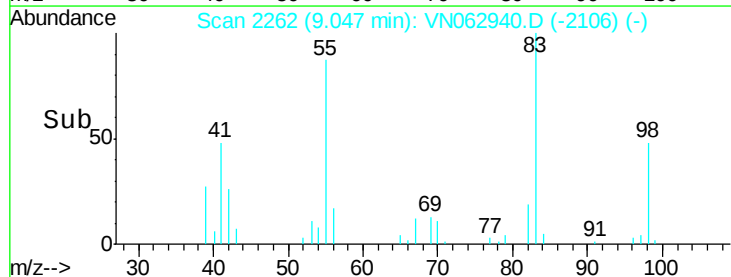
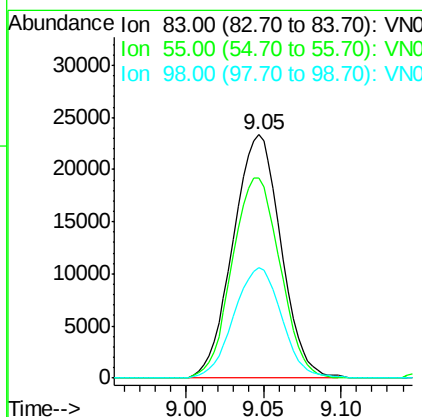
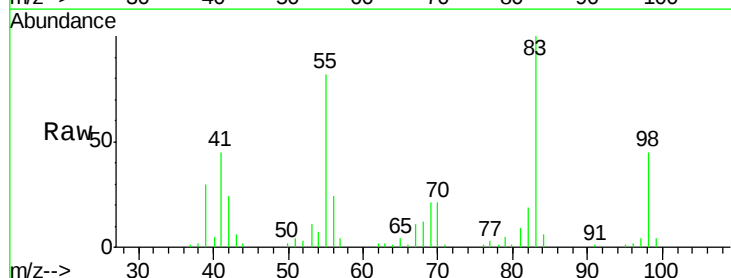
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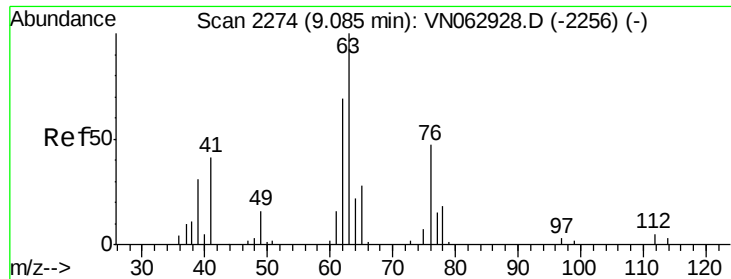
8/17/2020 5:45:11 PM



#38
 Methylcyclohexane
 Concen: 18.664 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion: 83 Resp: 50324
 Ion Ratio Lower Upper
 83 100
 55 82.1 40.8 122.5
 98 45.2 22.3 66.8





#39
 1,2-Dichloropropane
 Concen: 17.802 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

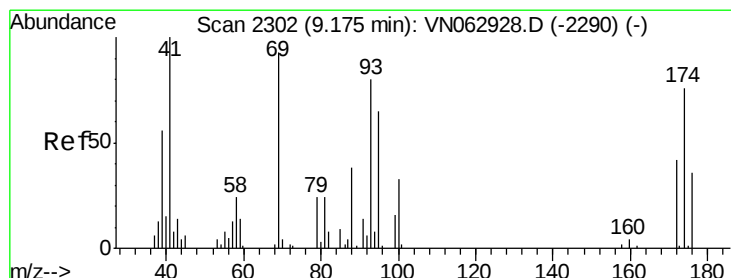
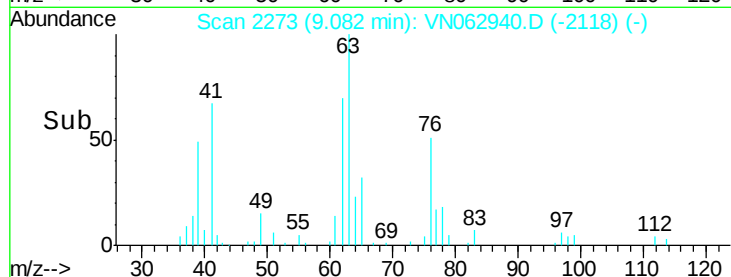
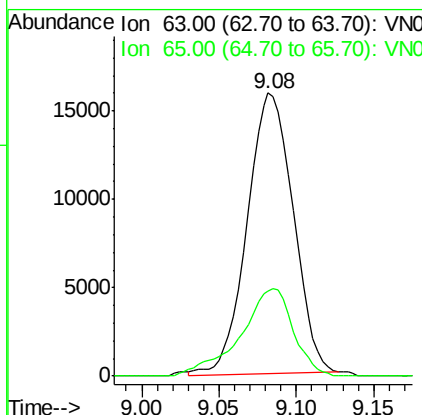
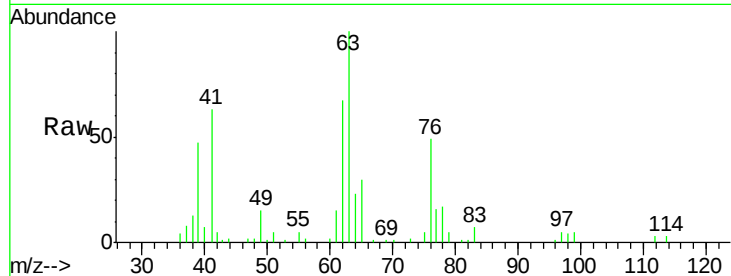
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	23.8	35.6

Manual Integrations
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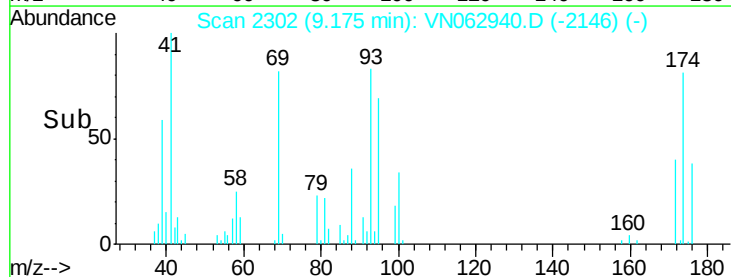
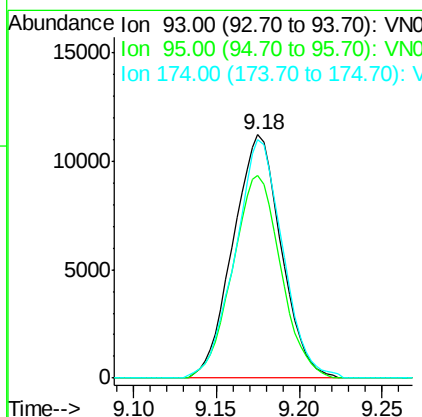
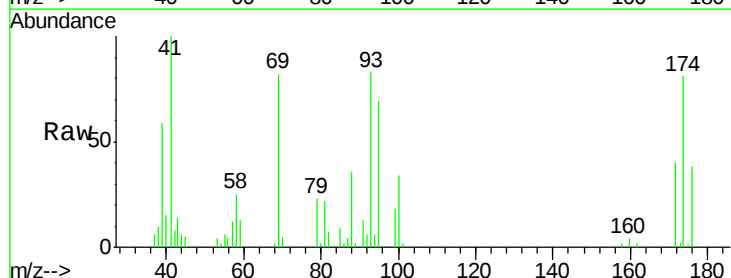
MMDadoda

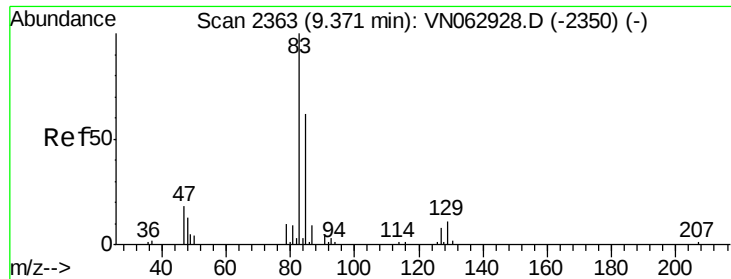
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#40
 Dibromomethane
 Concen: 18.116 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	161.8
174	96.8	0.0	190.0





#41
 Bromodichloromethane
 Concen: 18.406 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

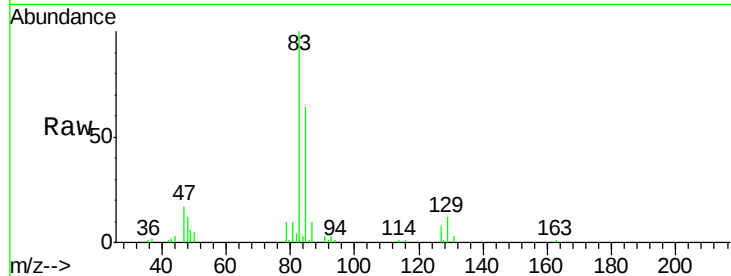
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	51760
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	49.9	74.9
127	8.5	7.1	10.7

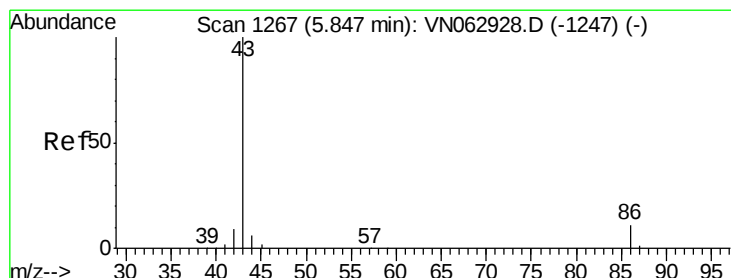
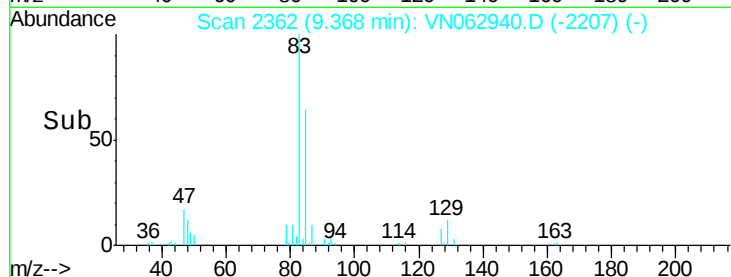
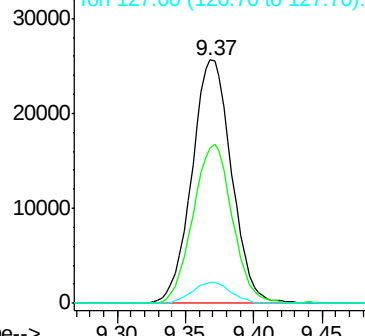
Manual Integrations
 APPROVED

MMDadoda

8/17/2020 5:45:11 PM

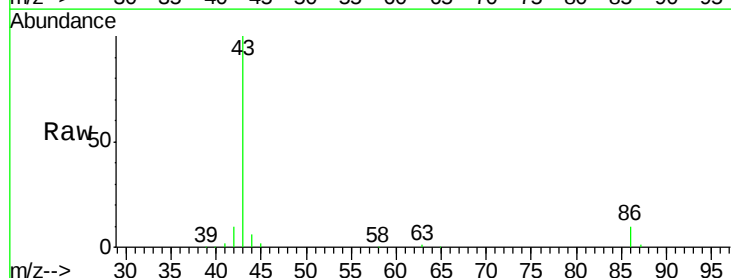


Abundance Ion 83.00 (82.70 to 83.70): VN062928.D (-2350) (-)

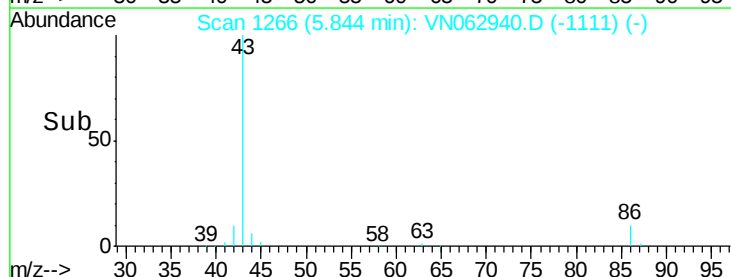
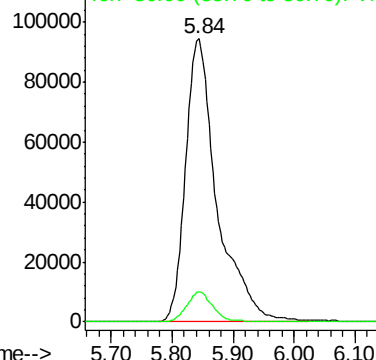


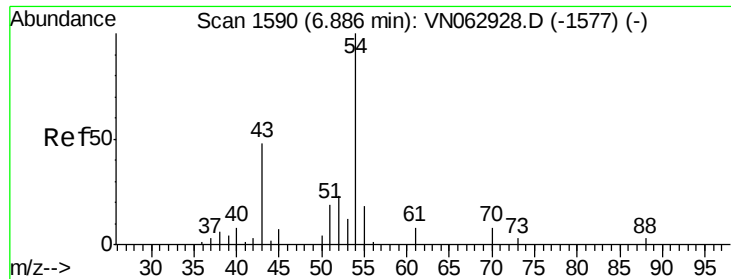
#42
 Vinyl Acetate
 Concen: 86.290 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion	43	Resp	339419
Ion Ratio	100	Lower	Upper
43	100		
86	8.8	7.1	10.7



Abundance Ion 43.00 (42.70 to 43.70): VN062928.D (-1247) (-)





#43
Ethyl Acetate
Concen: 18.316 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.01 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

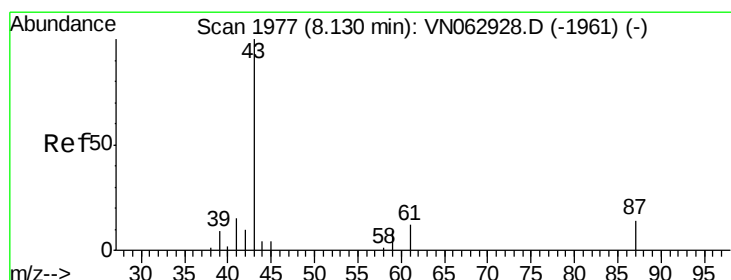
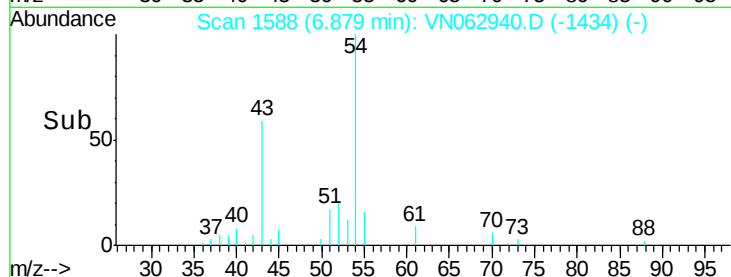
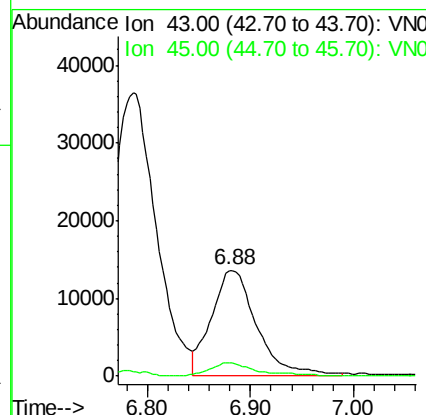
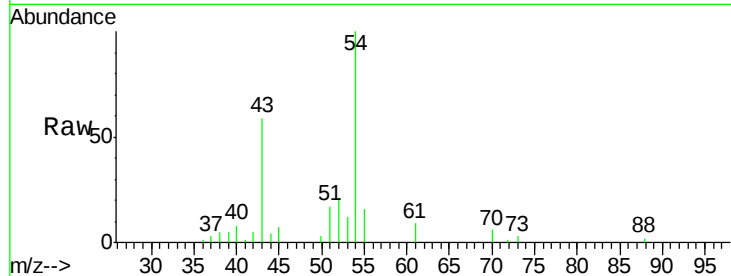
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion: 43 Resp: 41869
Ion Ratio Lower Upper
43 100
45 11.9 6.6 9.8#

Manual Integrations
APPROVED

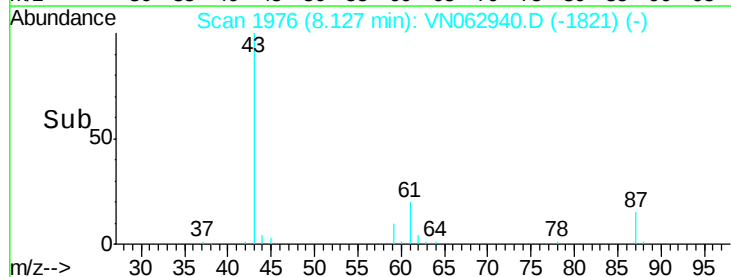
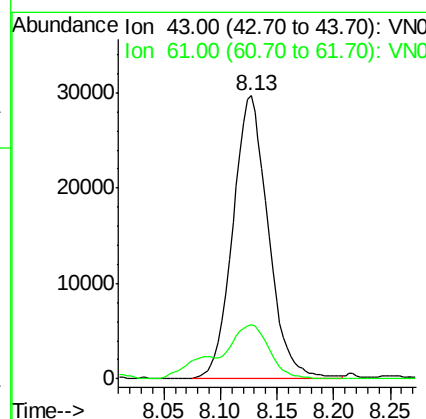
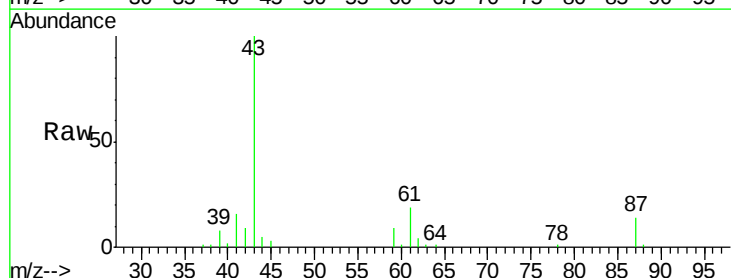
MMDadoda

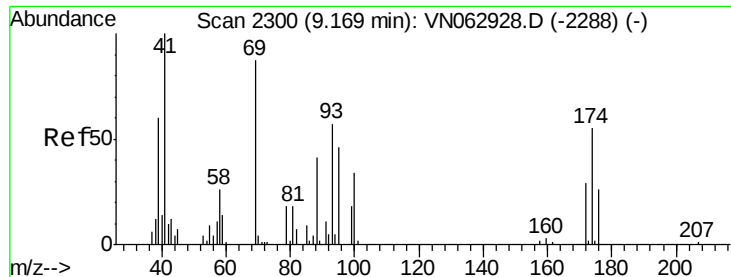
8/17/2020 5:45:11 PM



#44
Isopropyl Acetate
Concen: 17.374 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion: 43 Resp: 64853
Ion Ratio Lower Upper
43 100
61 20.7 17.2 25.8





#45
 1,4-Dioxane
 Concen: 343.218 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

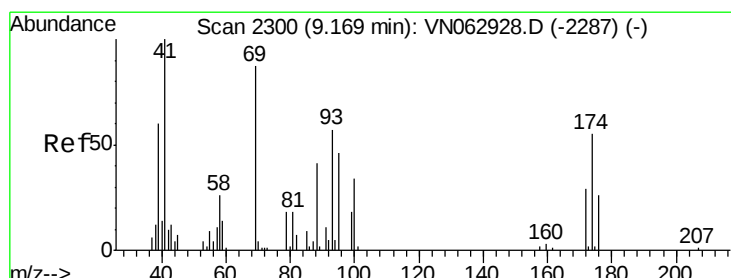
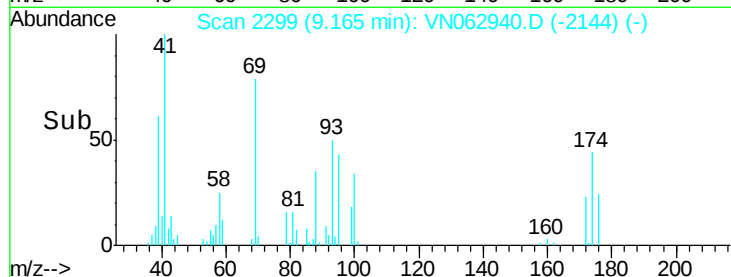
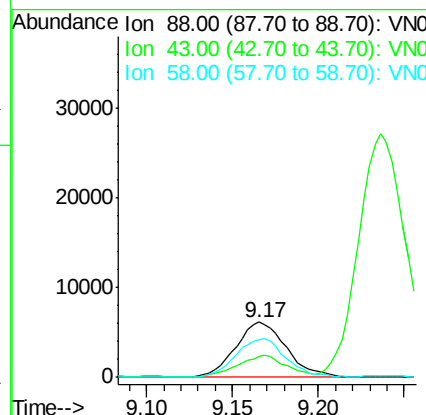
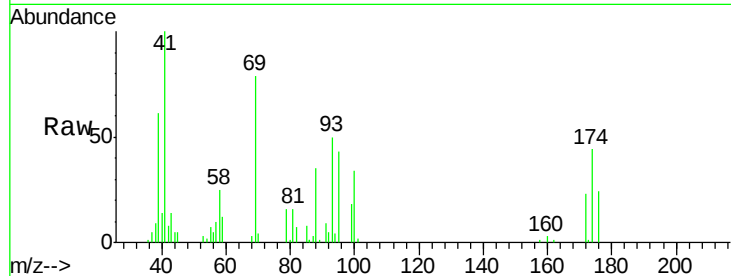
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	26.0	39.0#
58	69.0	54.2	81.2

Manual Integrations
 APPROVED

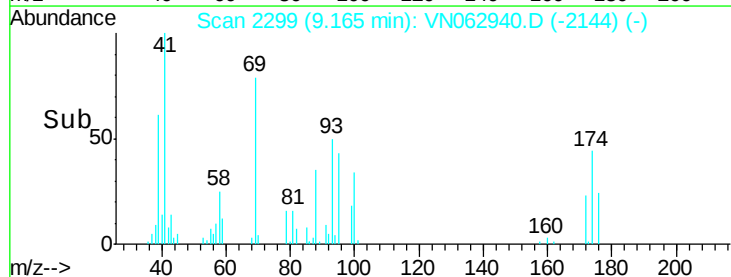
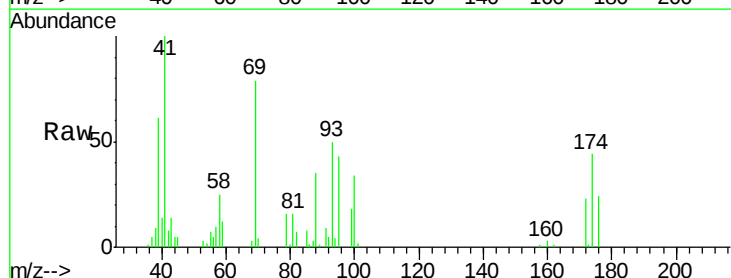
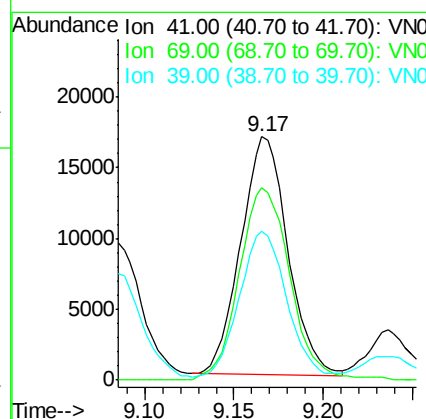
MMDadoda

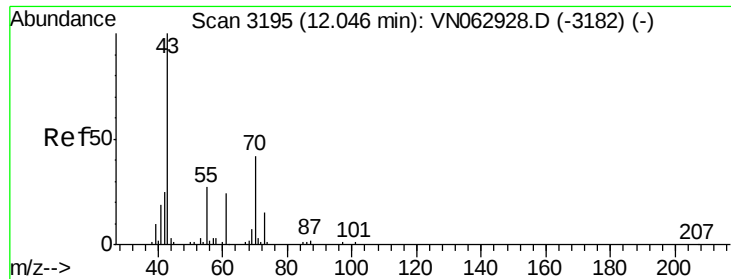
8/17/2020 5:45:11 PM



#46
 Methyl methacrylate
 Concen: 16.656 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.1	43.6	130.9
39	61.4	29.9	89.8





#47
n-amvl Acetate
Concen: 21.497 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

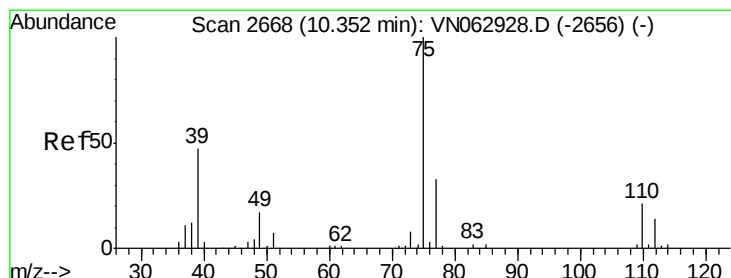
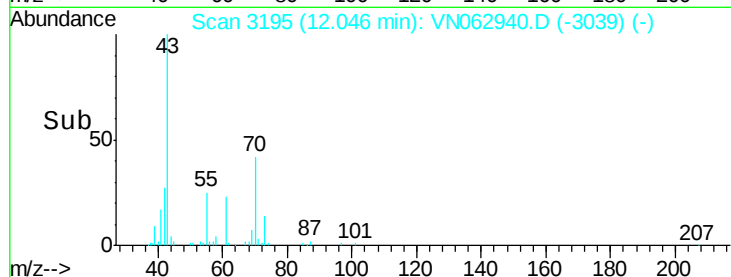
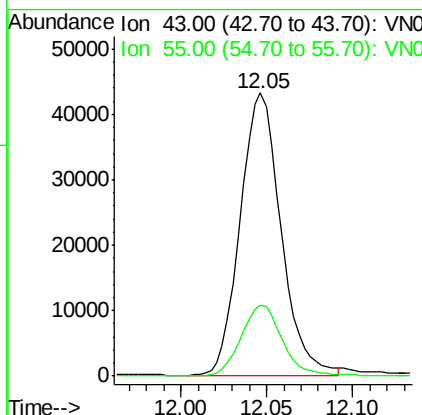
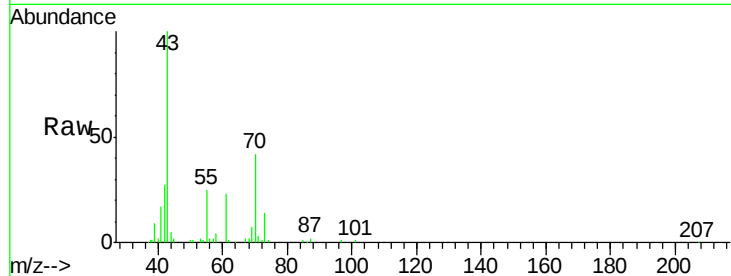
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
55	25.4	20.8	31.2

Manual Integrations
APPROVED

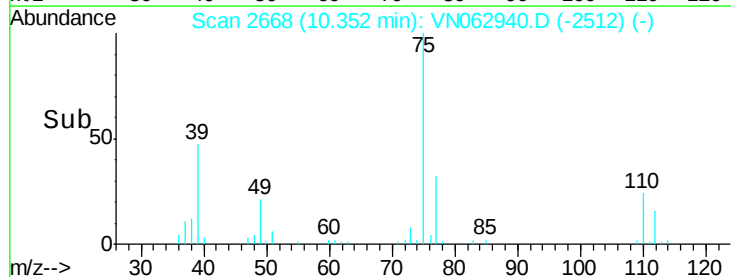
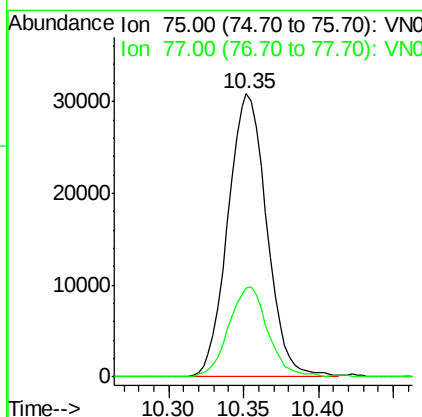
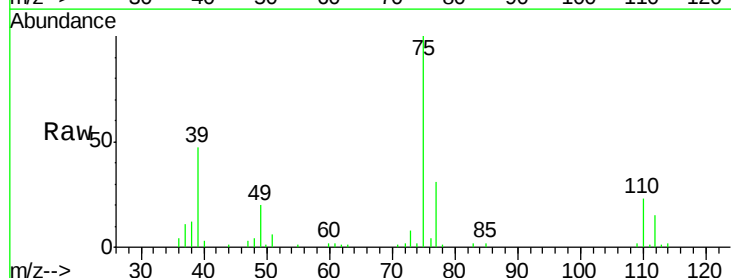
MMDadoda

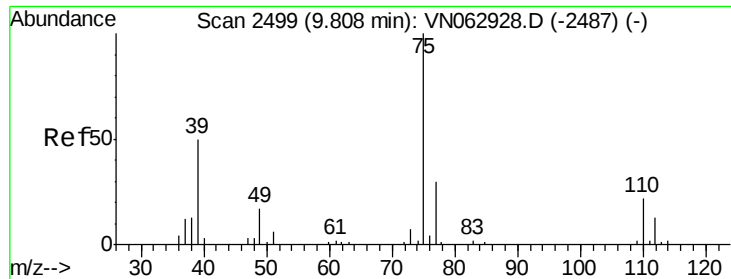
8/17/2020 5:45:11 PM



#48
t-1,3-Dichloropropene
Concen: 18.996 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.2	39.2





#49
 cis-1,3-Dichloropropene
 Concen: 19.089 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

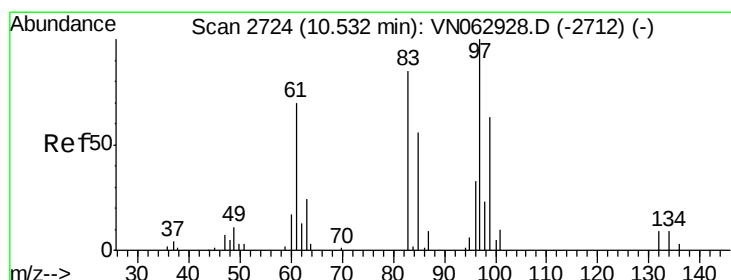
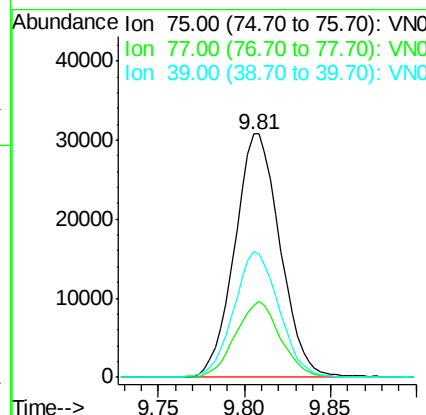
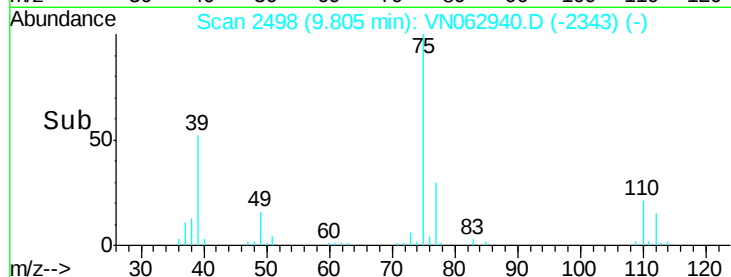
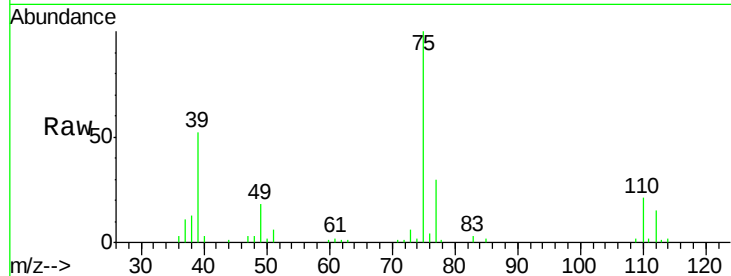
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	56351
Ion Ratio	Lower	Upper	
75	100		
77	29.6	24.4	36.6
39	51.7	40.2	60.4

Manual Integrations
 APPROVED

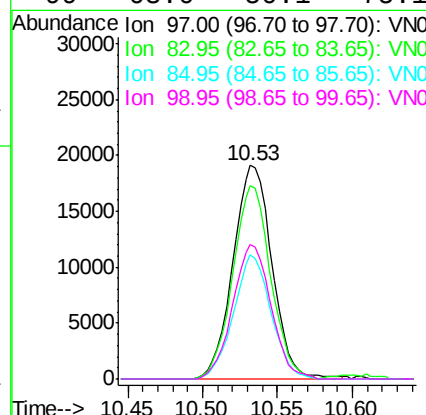
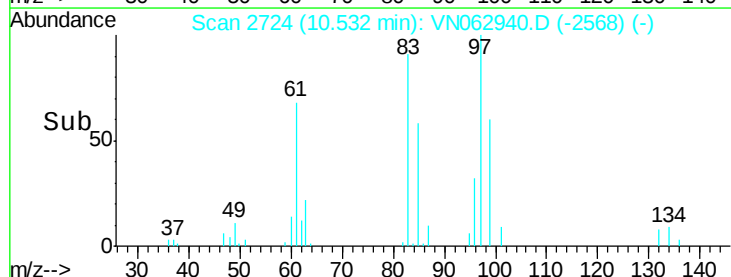
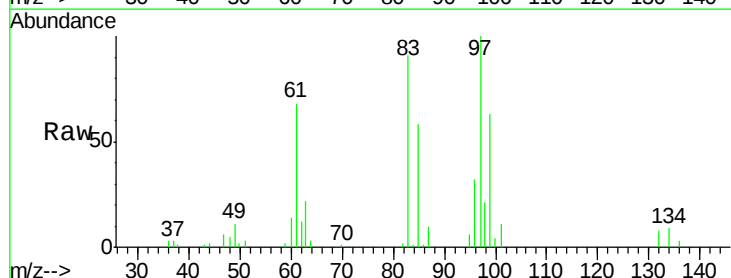
MMDadoda

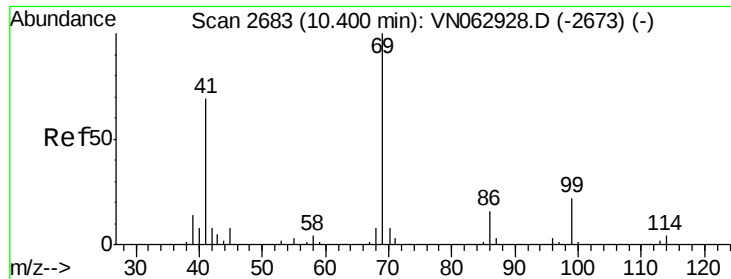
8/17/2020 5:45:11 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.279 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion:	97	Resp:	34718
Ion Ratio	Lower	Upper	
97	100		
83	90.7	67.8	101.6
85	58.3	44.5	66.7
99	63.0	50.1	75.1





#51

Ethyl methacrylate

Concen: 17.935 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampled :

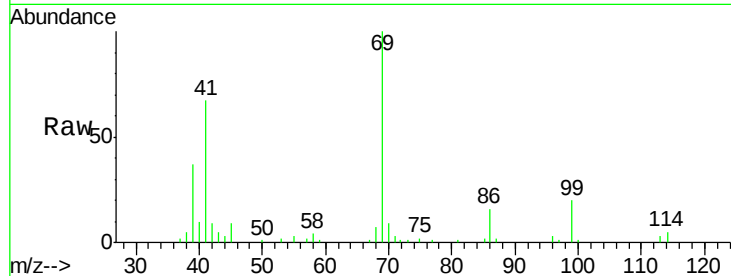
VSTDCCC020EC

Tot Ion:	69	Resp:	49165
Ion	Ratio	Lower	Upper
69	100		
41	66.1	34.8	104.3
39	36.1	18.6	55.8

Manual Integrations
APPROVED

MMDadoda

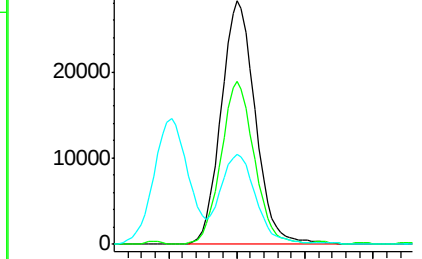
8/17/2020 5:45:11 PM



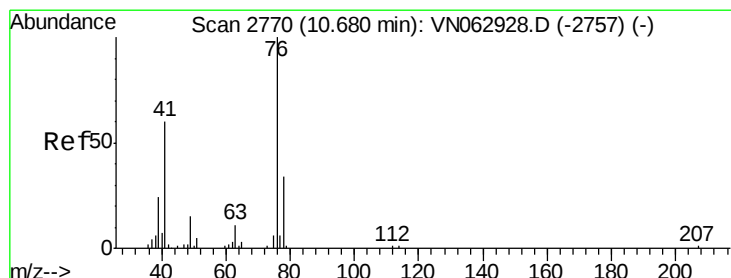
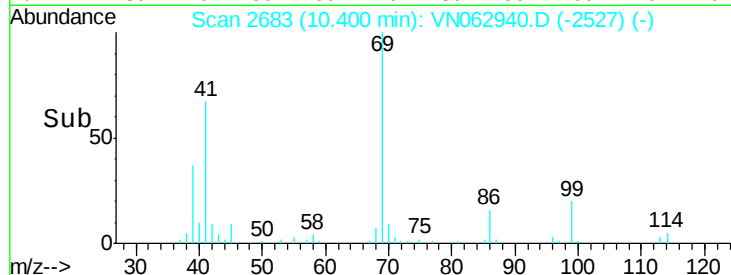
Abundance Ion 69.00 (68.70 to 69.70): VN062940.D (-2527) (-)

Ion 41.00 (40.70 to 41.70): VN062940.D (-2527) (-)

Ion 39.00 (38.70 to 39.70): VN062940.D (-2527) (-)



Time-->



#52

1,3-Dichloropropane

Concen: 18.689 ug/l

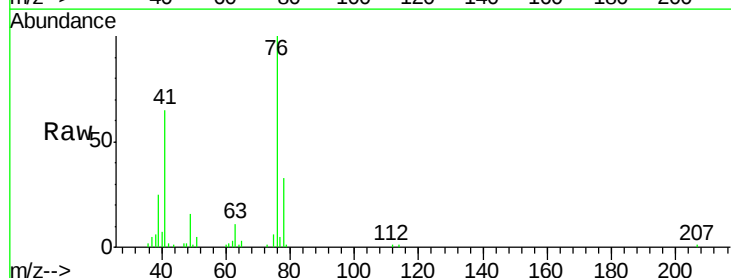
RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062940.D

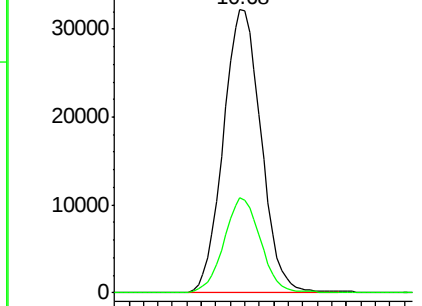
Acq: 14 Aug 2020 17:14

Tgt Ion:	76	Resp:	58148
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	66.2

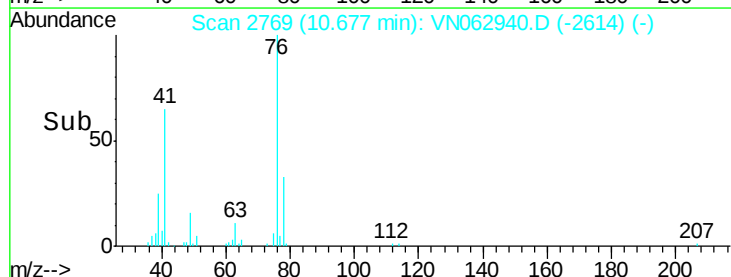


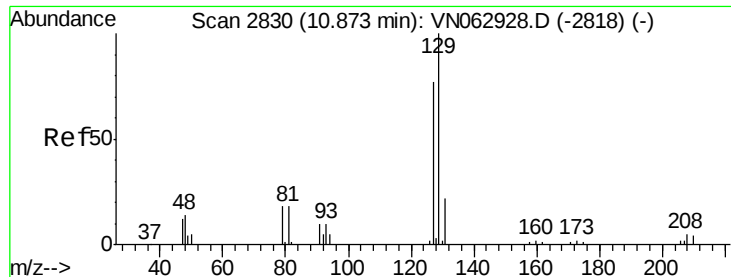
Abundance Ion 76.00 (75.70 to 76.70): VN062940.D (-2614) (-)

Ion 78.00 (77.70 to 78.70): VN062940.D (-2614) (-)



Time-->





#53
 Dibromochloromethane
 Concen: 19.001 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

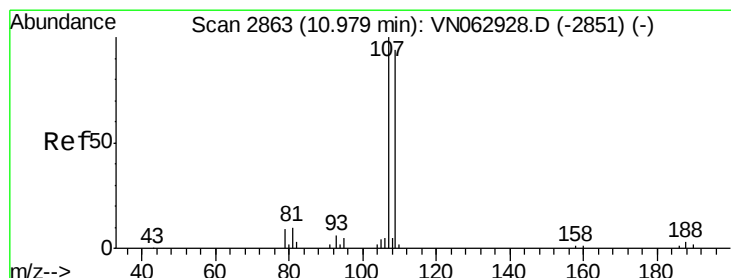
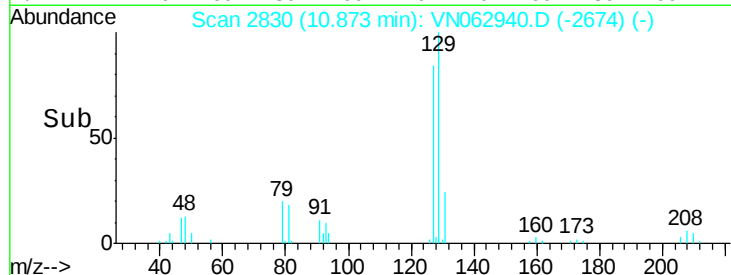
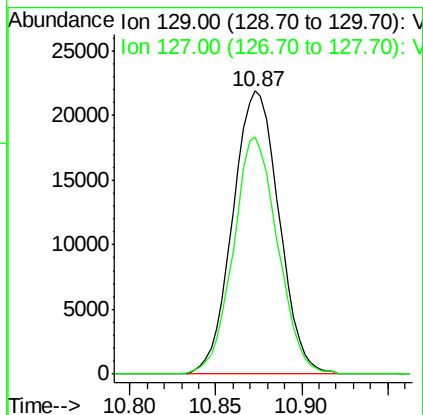
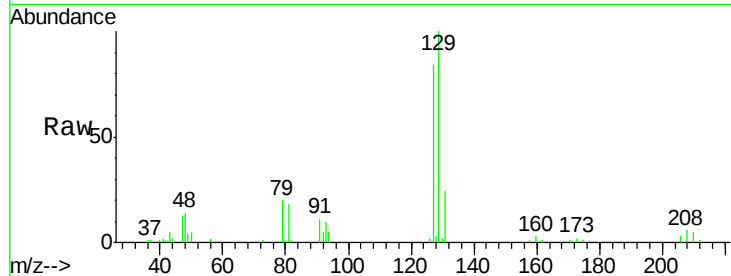
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		40901		
127	80.3	38.1	114.5		

Manual Integrations
 APPROVED

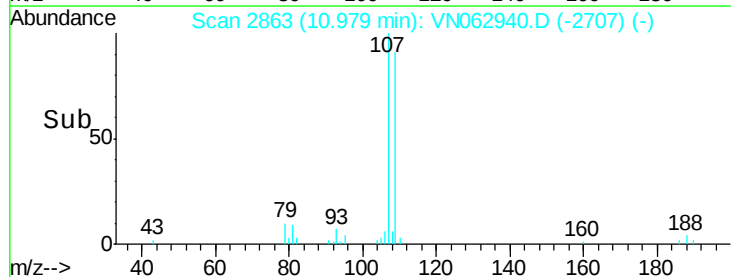
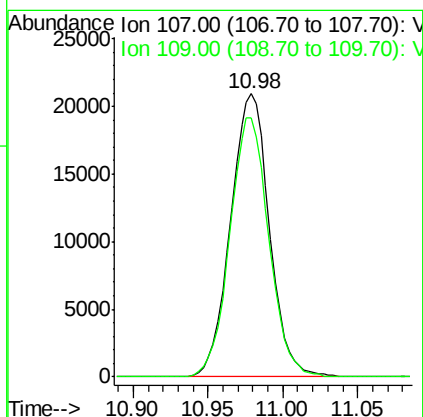
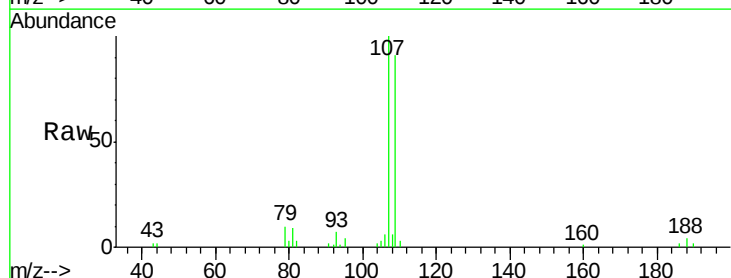
MMDadoda

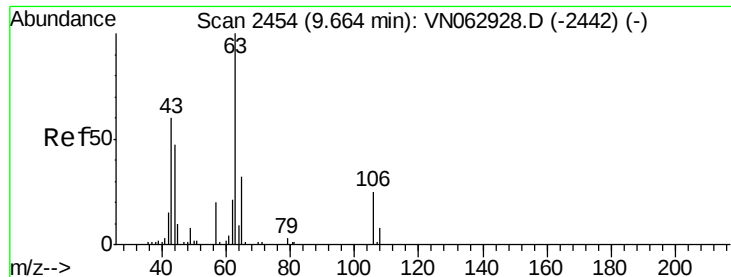
8/17/2020 5:45:11 PM



#54
 1,2-Dibromoethane
 Concen: 20.471 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		37724		
109	92.0	76.9	115.3		





#55

2-Chloroethyl vinyl ether

Concen: 86.673 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

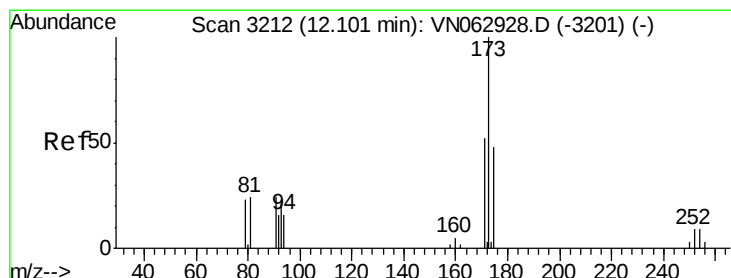
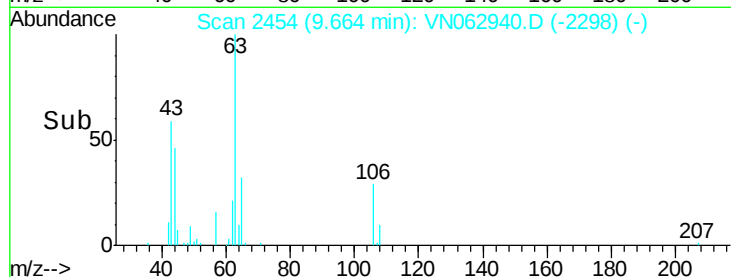
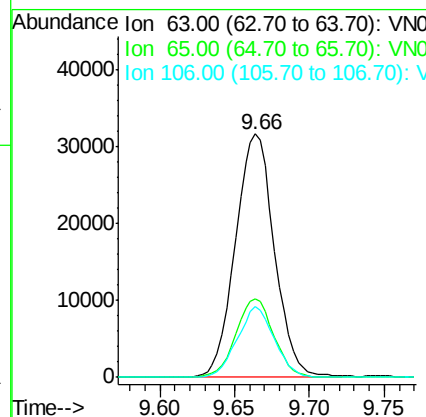
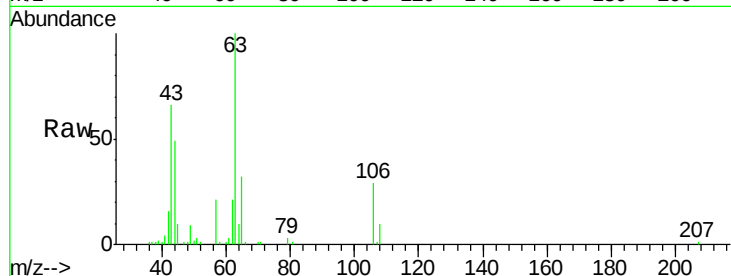
VSTDCCC020EC

Tot Ion:	63	Resp:	57499
Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.8	38.8
106	27.3	20.4	30.6

Manual Integrations
APPROVED

MMDadoda

8/17/2020 5:45:11 PM



#56

Bromoform

Concen: 22.703 ug/l

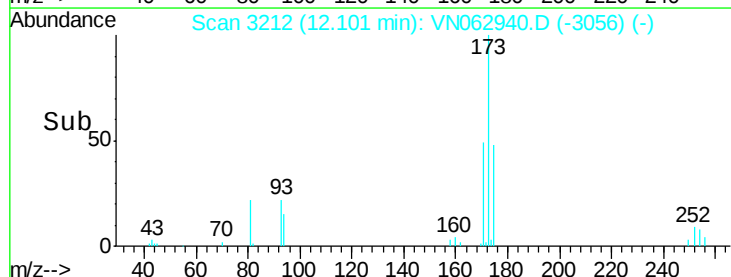
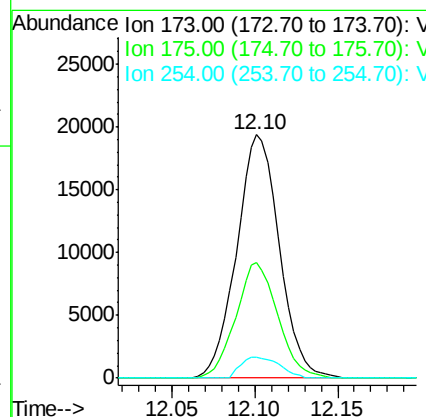
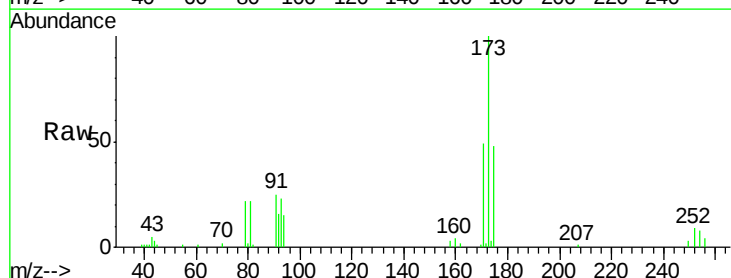
RT: 12.10 min Scan# 3212

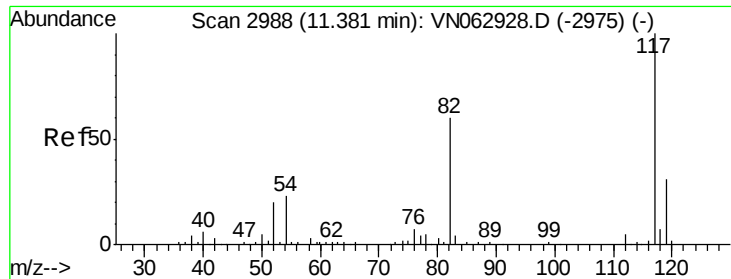
Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Tgt Ion:	173	Resp:	34687
Ion	Ratio	Lower	Upper
173	100		
175	46.4	37.8	56.6
254	7.6	6.9	10.3





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

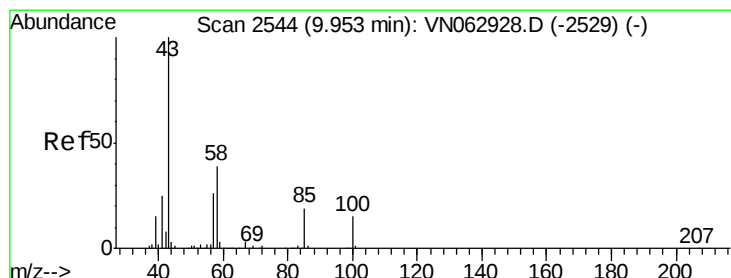
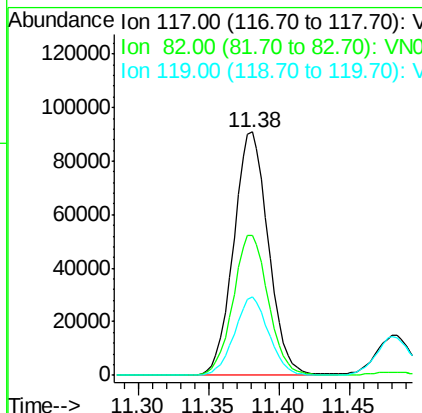
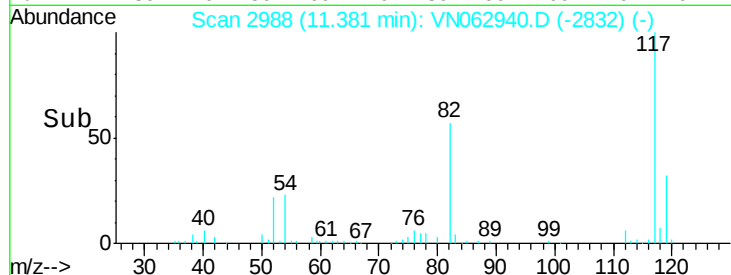
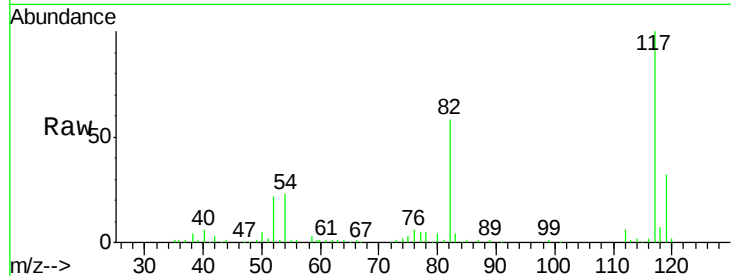
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	117	Resp:	157048
Ion Ratio	Lower	Upper	
117	100		
82	58.3	47.5	71.3
119	31.7	26.0	39.0

Manual Integrations
APPROVED

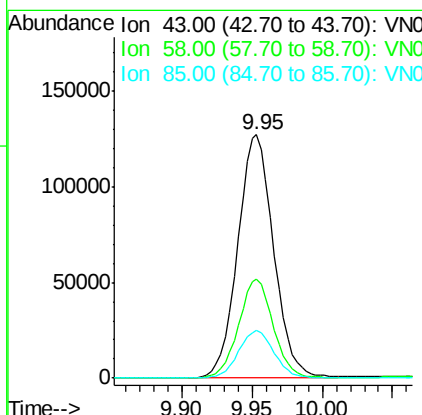
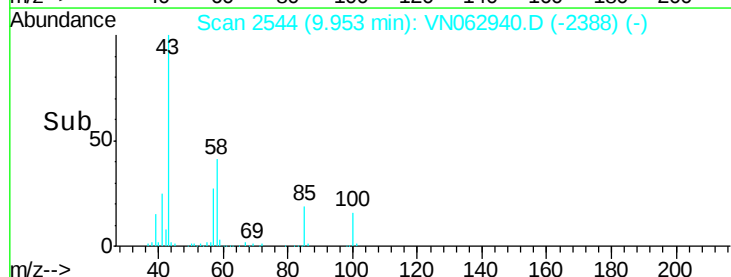
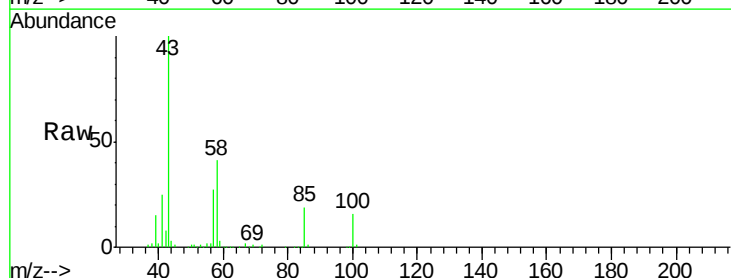
MMDadoda

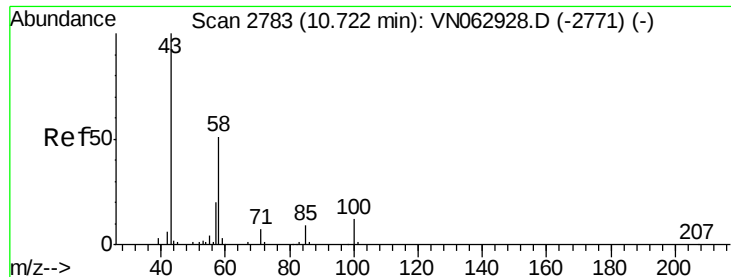
8/17/2020 5:45:11 PM



#58
4-Methyl-2-Pentanone
Concen: 83.117 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion:	43	Resp:	227138
Ion Ratio	Lower	Upper	
43	100		
58	39.5	31.3	46.9
85	19.3	15.2	22.8





#59
2-Hexanone
Concen: 93.258 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

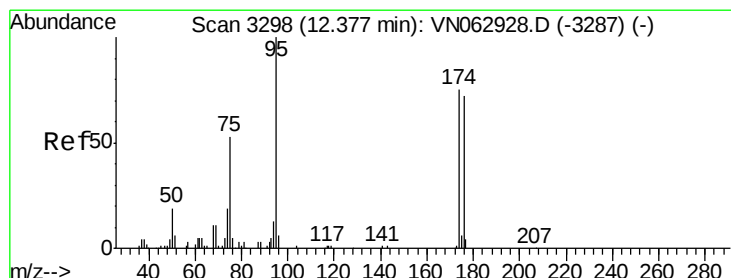
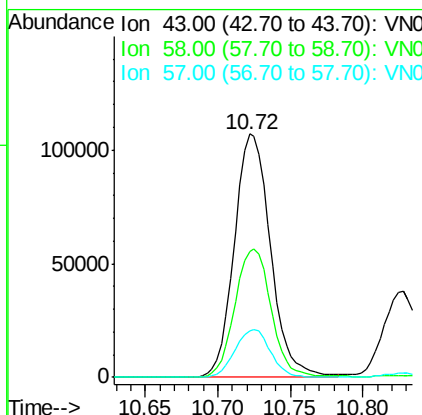
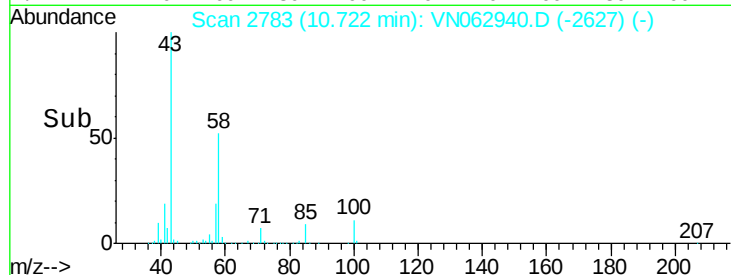
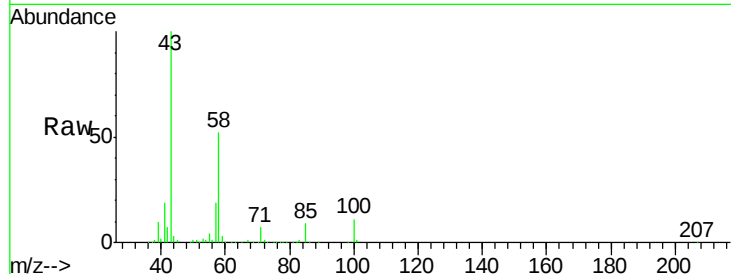
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	43	Resp:	186083
Ion Ratio	Lower	Upper	
43	100		
58	53.3	41.8	62.6
57	19.5	16.2	24.2

Manual Integrations
APPROVED

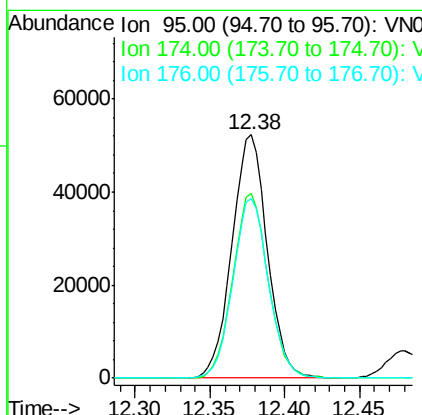
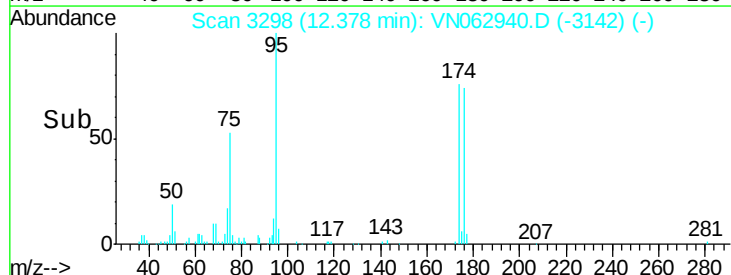
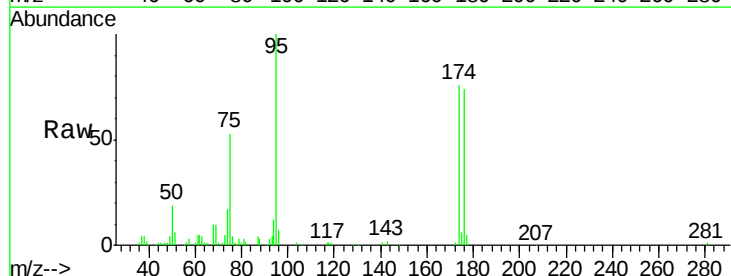
MMDadoda

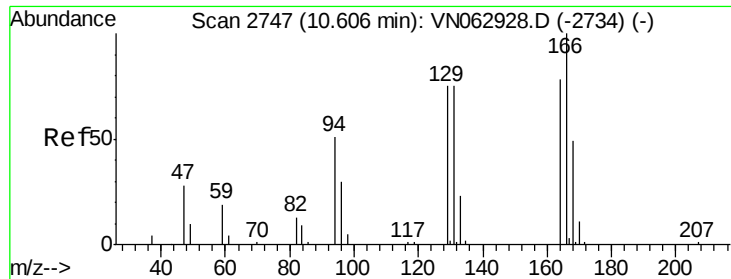
8/17/2020 5:45:11 PM



#60
4-Bromofluorobenzene
Concen: 31.148 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion:	95	Resp:	86147
Ion Ratio	Lower	Upper	
95	100		
174	75.4	60.9	91.3
176	74.0	57.8	86.8





#61
Tetrachloroethene
Concen: 18.074 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

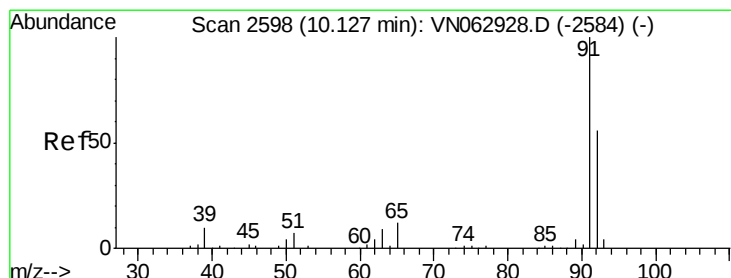
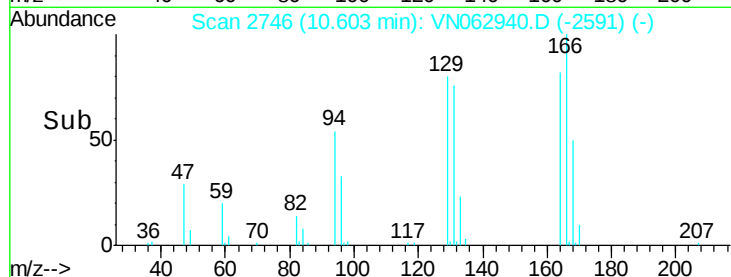
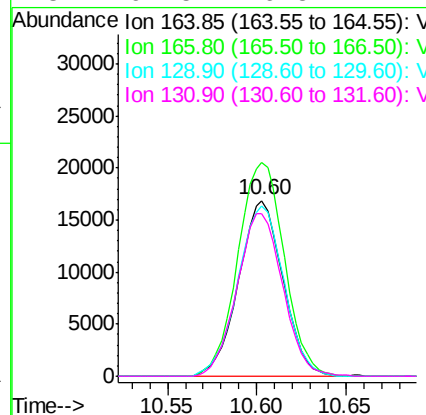
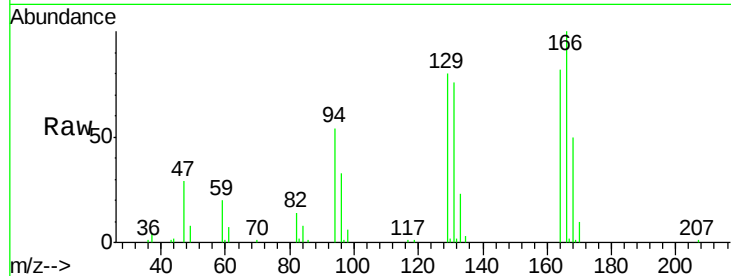
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	164	166	129	131
Ratio	100	121.3	97.0	92.5
Lower		101.9	76.4	76.5
Upper		152.9	114.6	114.7

Manual Integrations
APPROVED

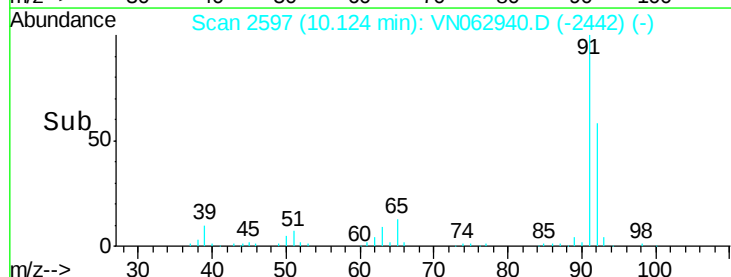
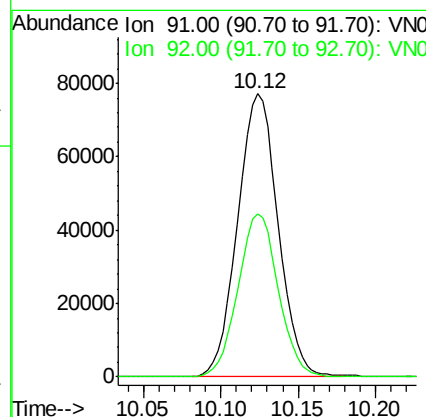
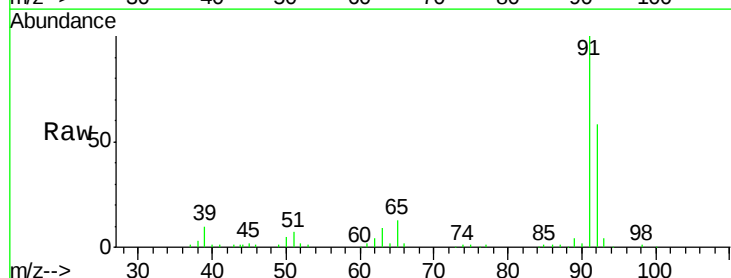
MMDadoda

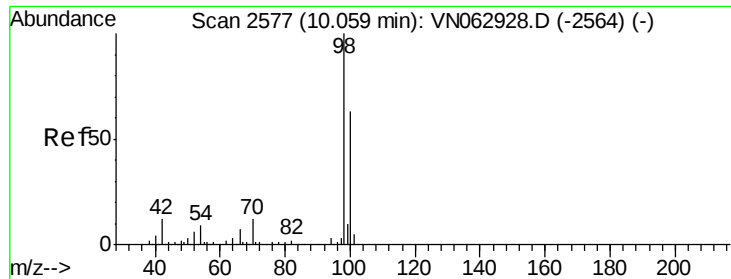
8/17/2020 5:45:11 PM



#62
Toluene
Concen: 16.925 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion	91	92
Ratio	100	57.4
Lower		45.2
Upper		67.8





#63
Toluene-d8
Concen: 27.929 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

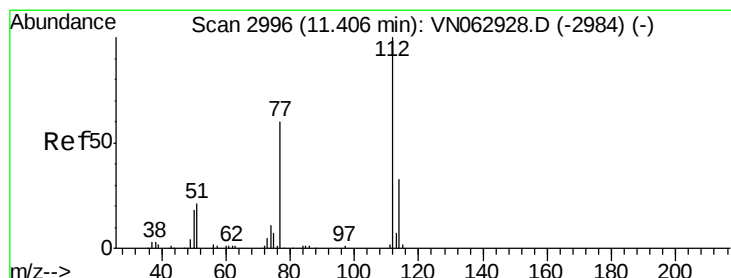
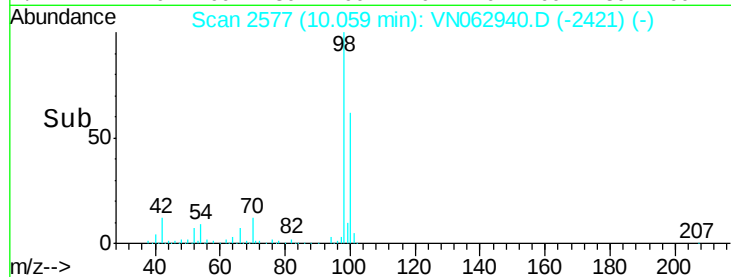
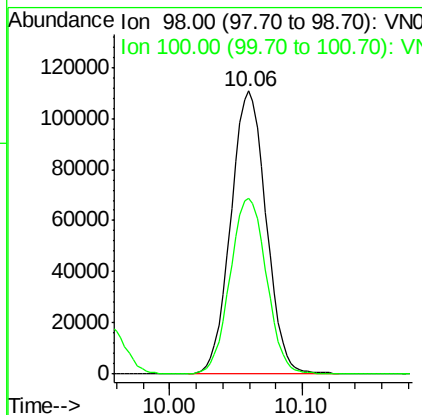
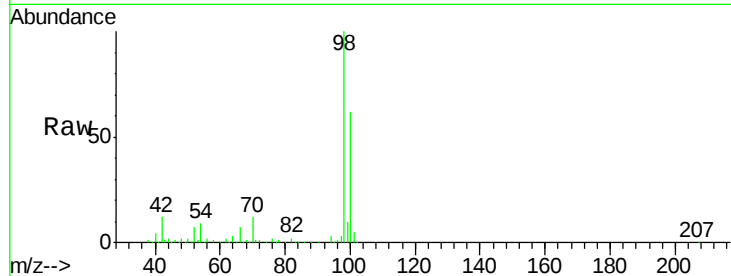
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 205099
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.6

Manual Integrations
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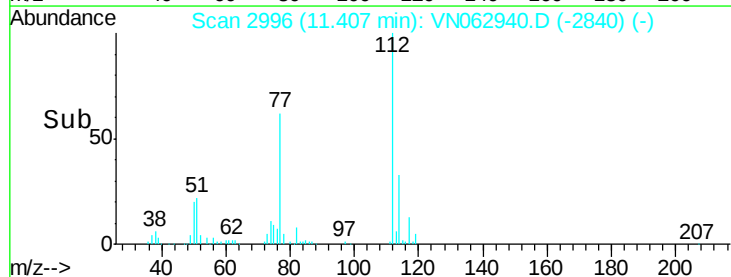
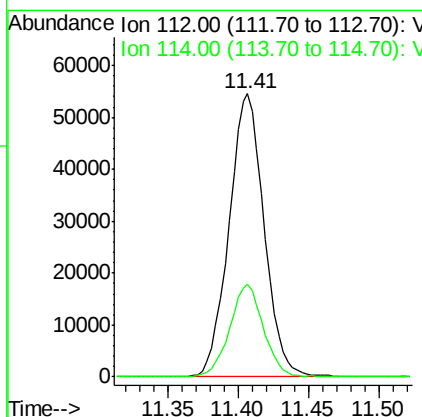
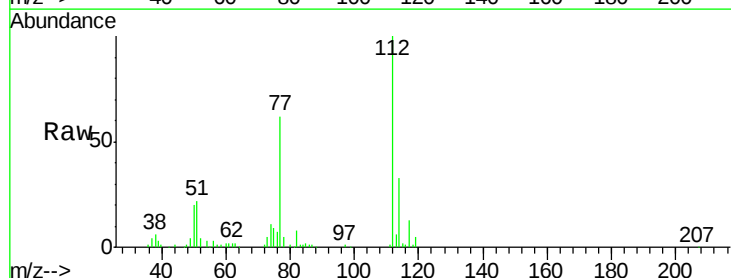
MMDadoda

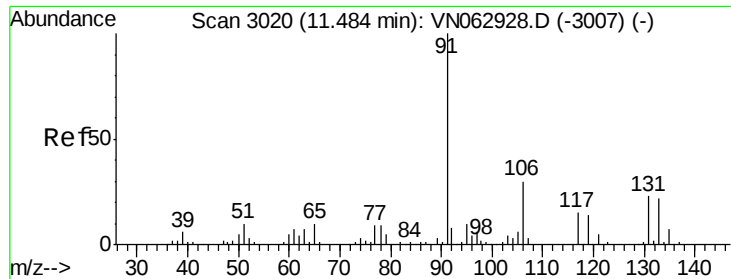
8/17/2020 5:45:11 PM



#64
Chlorobenzene
Concen: 18.253 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion: 112 Resp: 94814
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.158 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

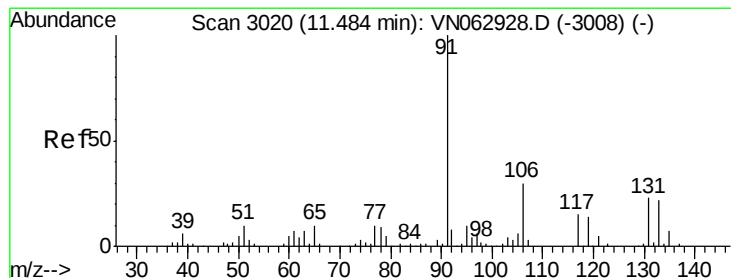
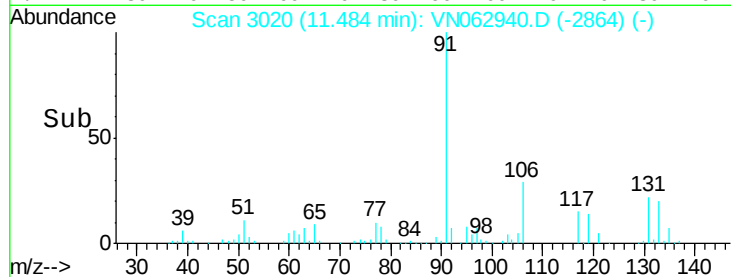
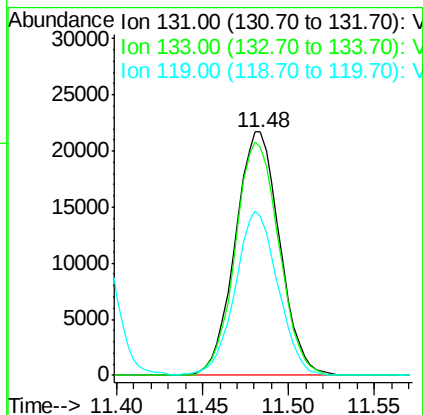
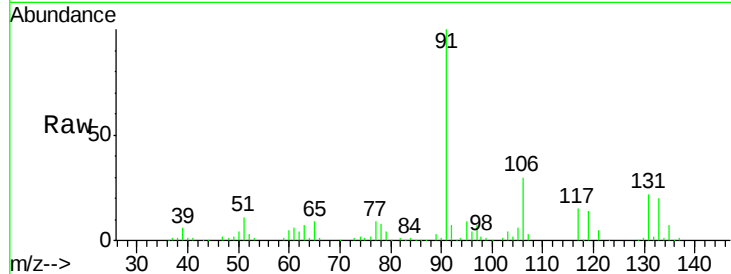
VSTDCCC020EC

Tot Ion:	131	Resp:	39004
Ion Ratio	Lower	Upper	
131	100		
133	94.2	0.0	192.6
119	64.7	0.0	125.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.205 ug/l

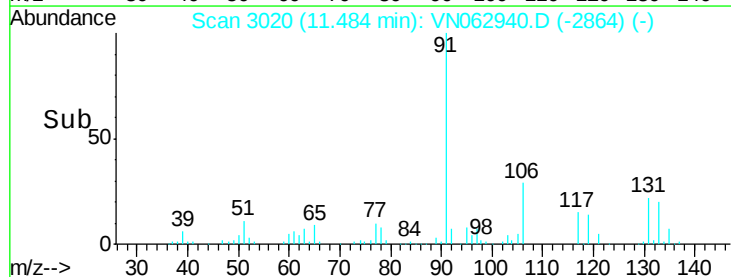
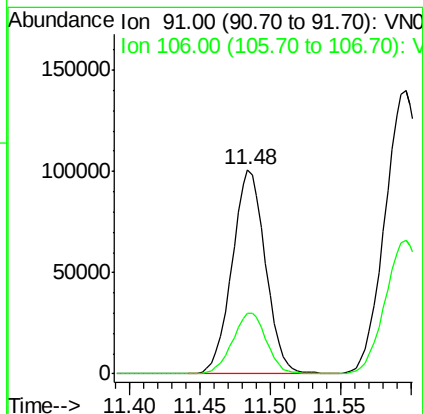
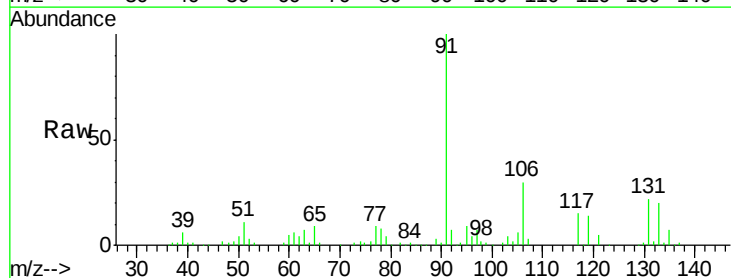
RT: 11.48 min Scan# 3020

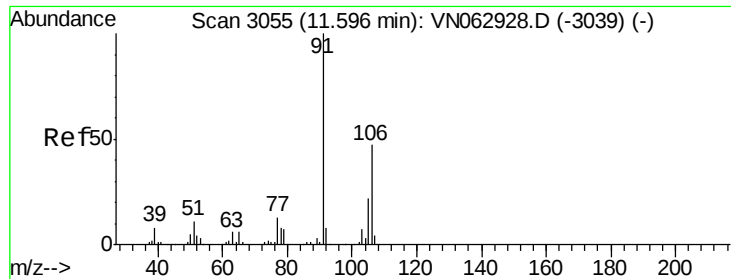
Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Tgt Ion:	91	Resp:	167818
Ion Ratio	Lower	Upper	
91	100		
106	29.7	24.0	36.0





#67
m/p-Xvlenes
Concen: 37.228 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

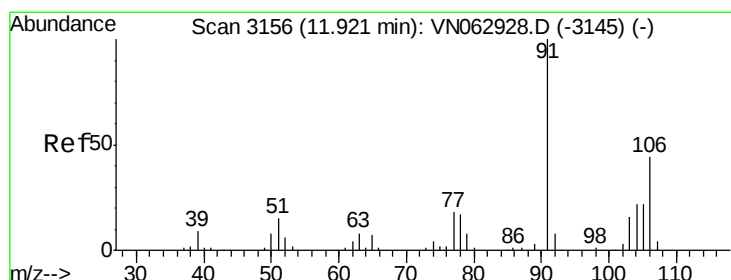
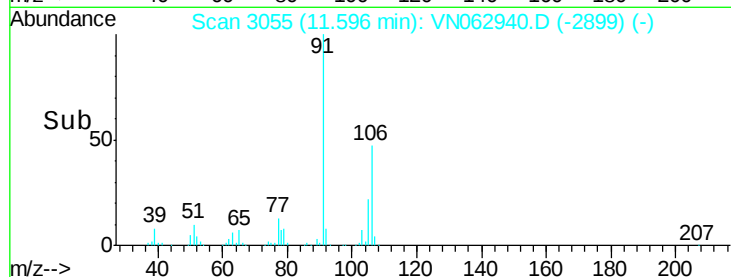
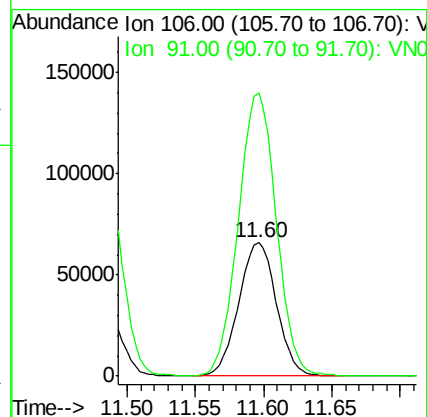
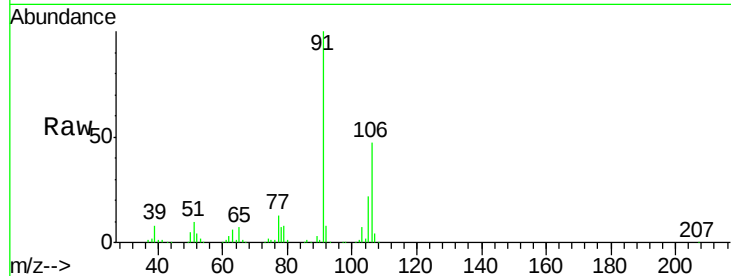
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 127037
Ion Ratio Lower Upper
106 100
91 212.7 171.0 256.6

Manual Integrations
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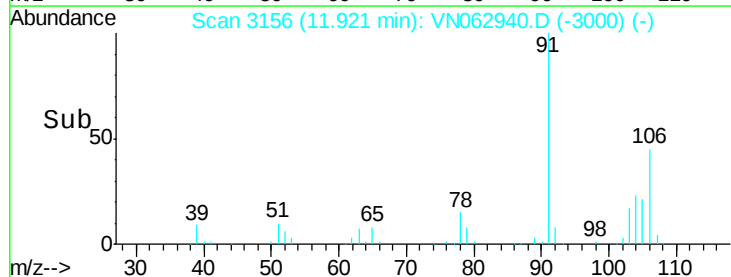
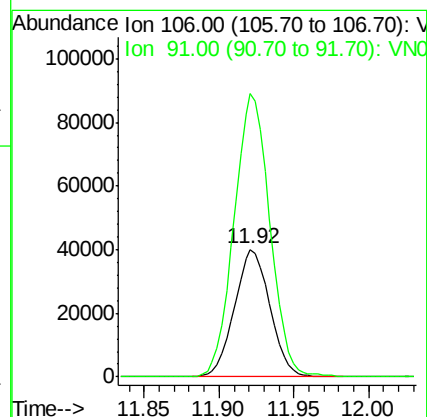
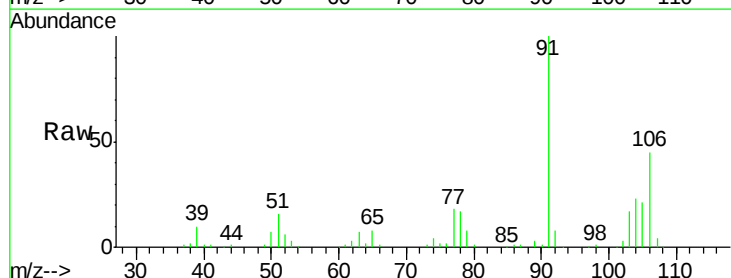
MMDadoda

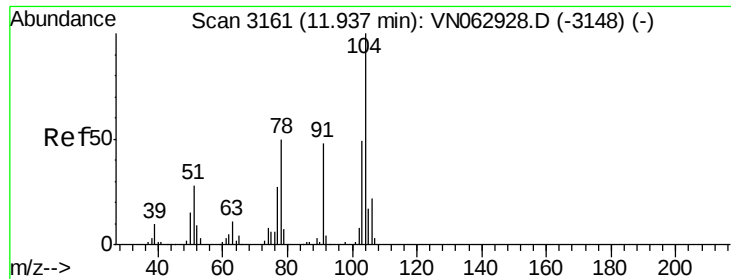
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#68
o-Xylene
Concen: 20.237 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion:106 Resp: 66292
Ion Ratio Lower Upper
106 100
91 223.7 115.4 346.2





#69
Stvrene
Concen: 20.234 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

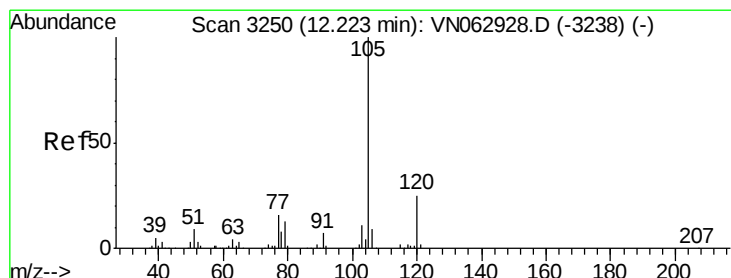
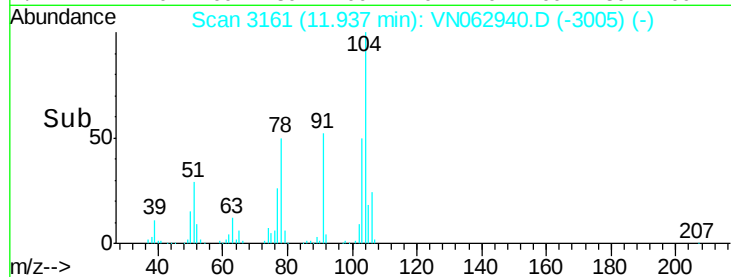
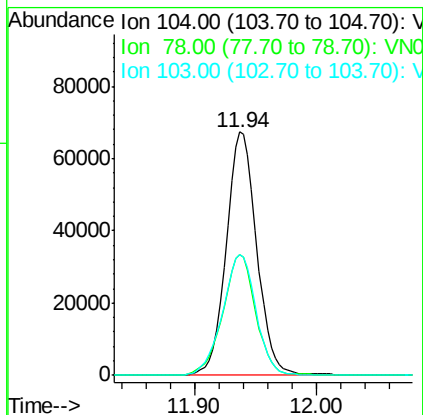
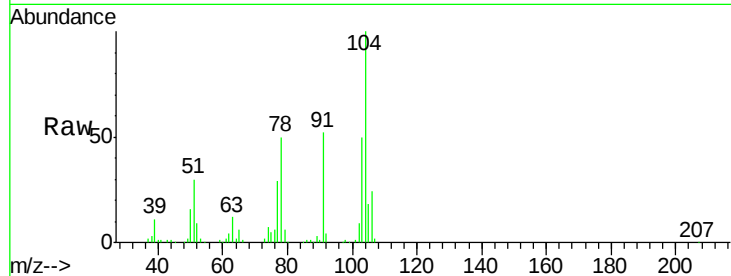
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.7	44.4	66.6
103	54.7	44.0	66.0

Manual Integrations
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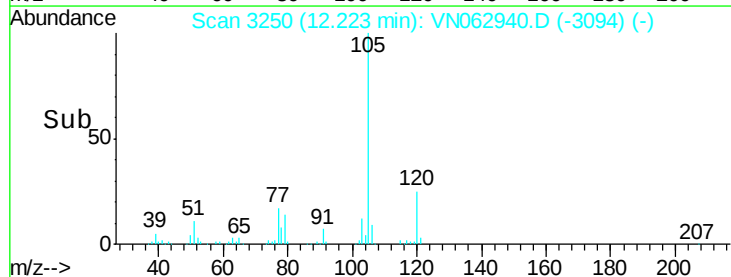
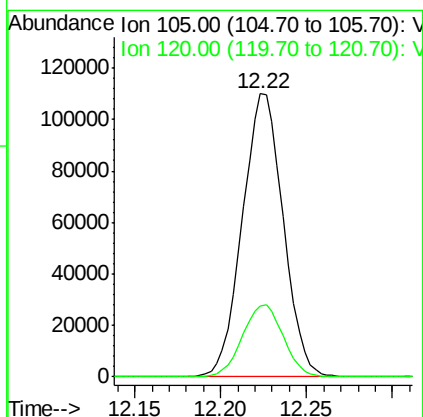
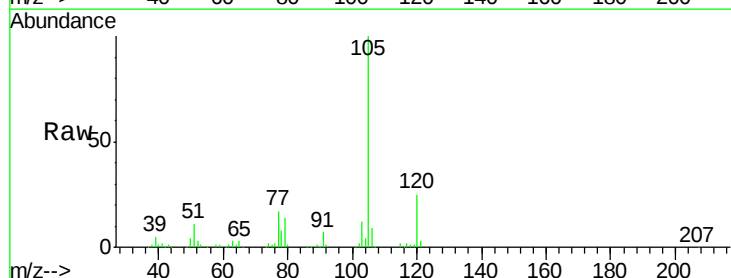
MMDadoda

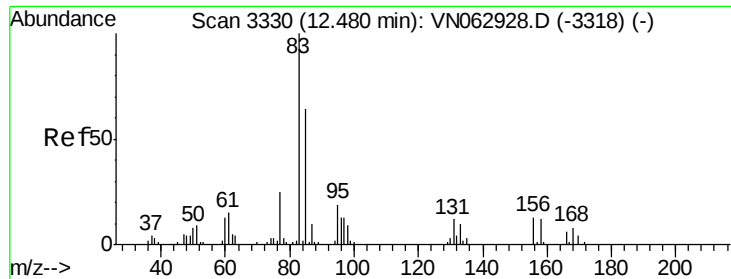
8/17/2020 5:45:11 PM



#70
Isopropylbenzene
Concen: 19.510 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	18.0	33.4





#71

1,1,2,2-Tetrachloroethane

Concen: 18.248 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 83 Resp: 55993

Ion Ratio Lower Upper

83 100

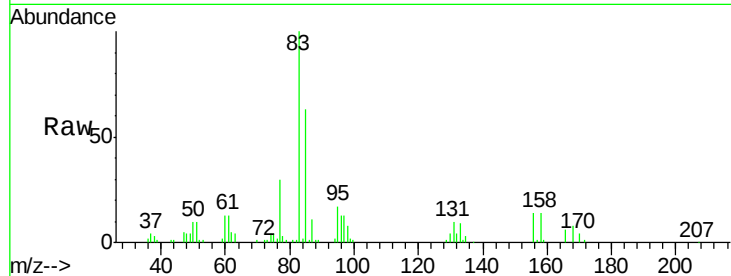
131 10.3 5.5 16.4

85 63.4 31.7 95.1

Manual Integrations
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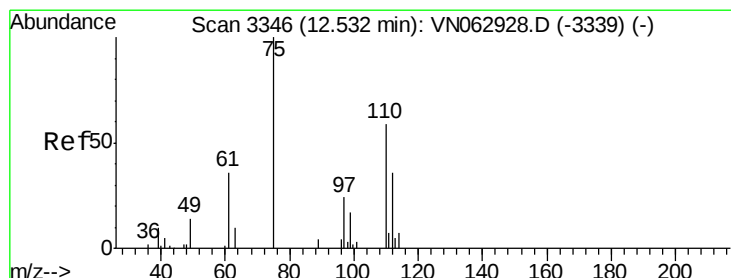
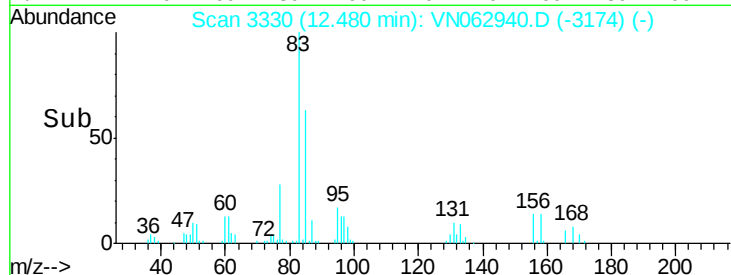
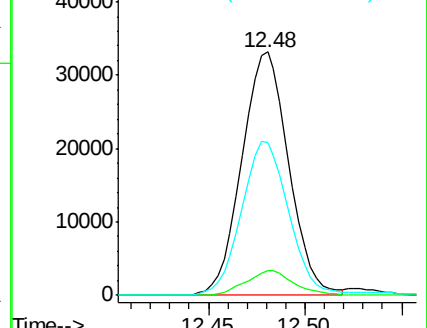
8/17/2020 5:45:11 PM



Abundance Ion 83.00 (82.70 to 83.70): VN062940.D (-3174) (-)

Ion 131.00 (130.70 to 131.70): VN062940.D (-3174) (-)

Ion 85.00 (84.70 to 85.70): VN062940.D (-3174) (-)



#72

1,2,3-Trichloropropane

Concen: 16.850 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062940.D

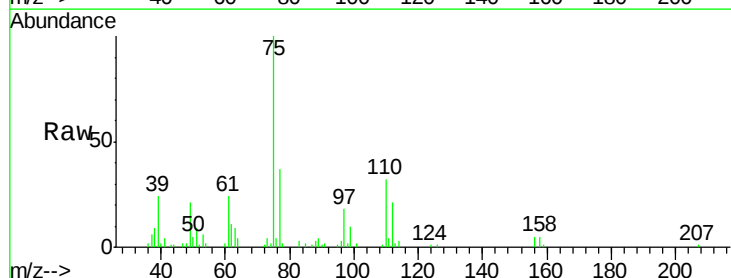
Acq: 14 Aug 2020 17:14

Tgt Ion: 75 Resp: 51203

Ion Ratio Lower Upper

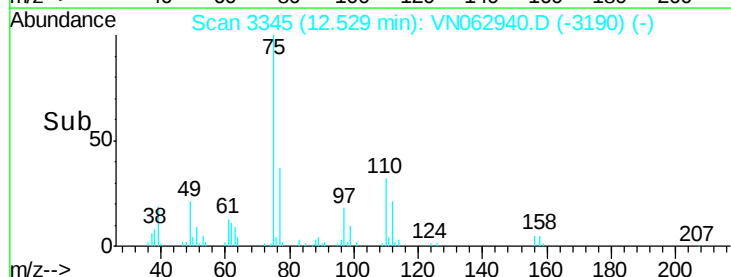
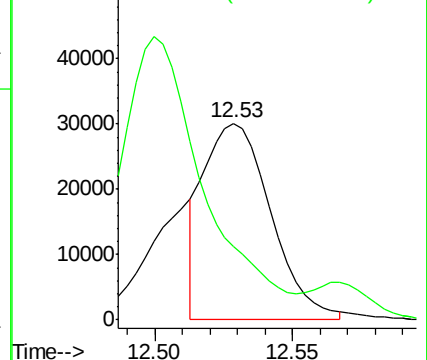
75 100

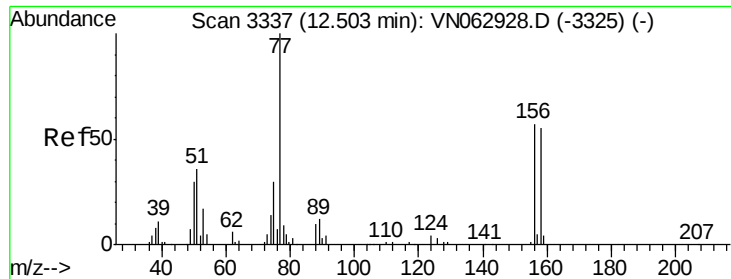
77 179.0 0.0 313.0



Abundance Ion 75.00 (74.70 to 75.70): VN062940.D (-3190) (-)

Ion 77.00 (76.70 to 77.70): VN062940.D (-3190) (-)





#73

Bromobenzene

Concen: 18.251 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampled :

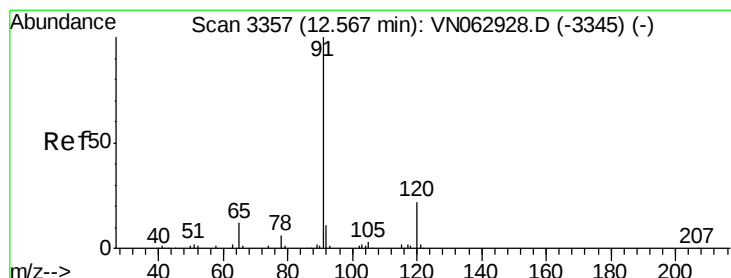
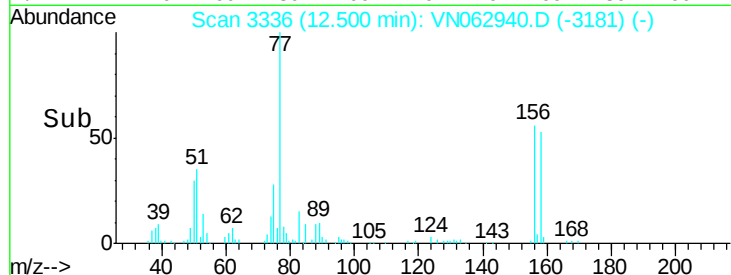
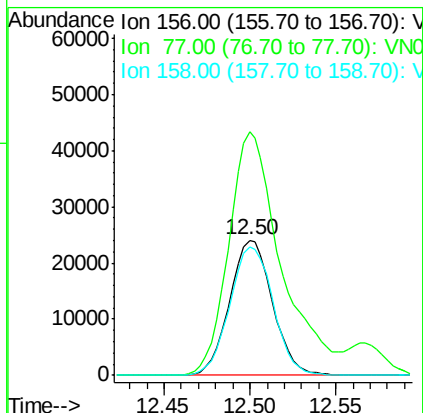
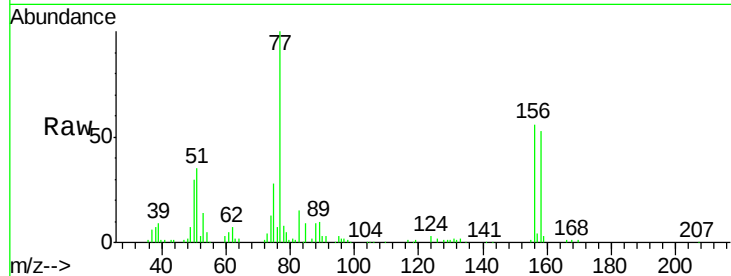
VSTDCCC020EC

Tot Ion:	156	Resp:	41718
Ion Ratio	Lower	Upper	
156	100		
77	219.7	0.0	448.4
158	96.5	0.0	195.0

Manual Integrations
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#74

n-propylbenzene

Concen: 18.194 ug/l

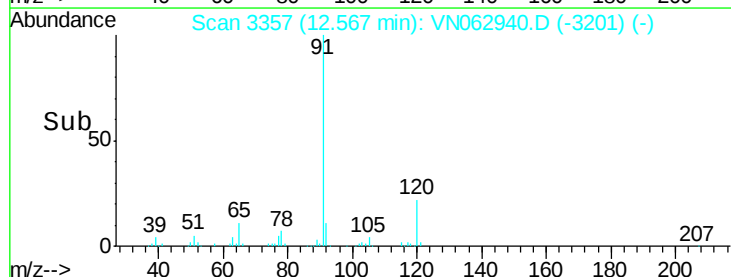
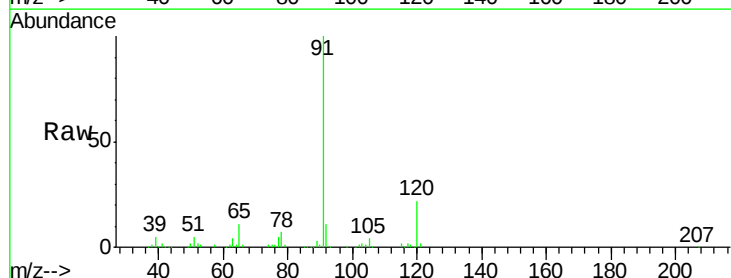
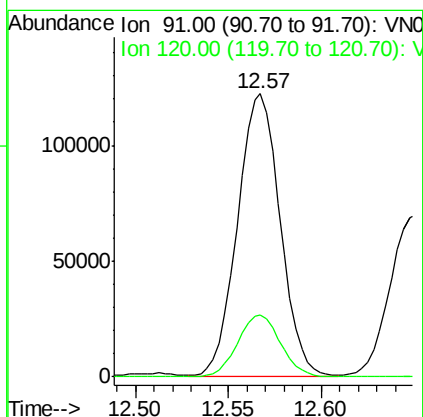
RT: 12.57 min Scan# 3357

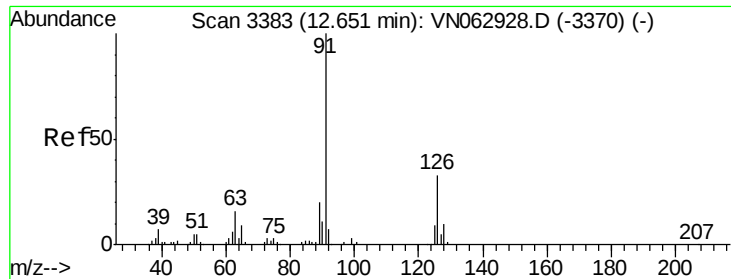
Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Tgt Ion:	91	Resp:	195732
Ion Ratio	Lower	Upper	
91	100		
120	21.9	0.0	43.4





#75

2-Chlorotoluene

Concen: 17.596 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 118833

Ion Ratio Lower Upper

91 100

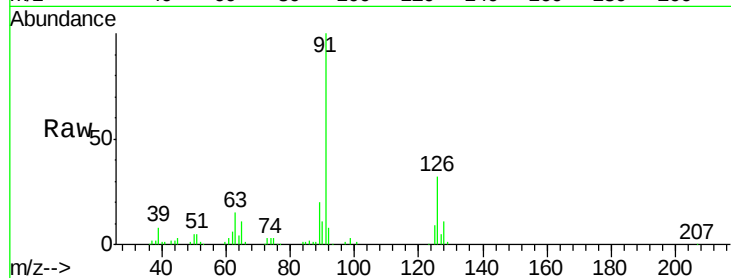
126 32.3 0.0 63.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN062928.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN062928.D (-3370) (-)

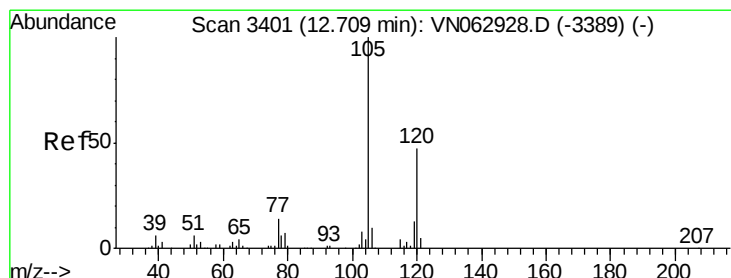
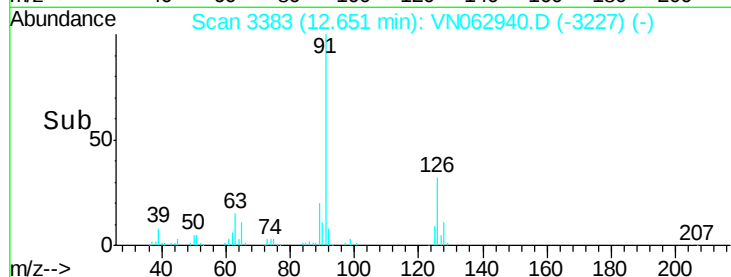
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 17.656 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062940.D

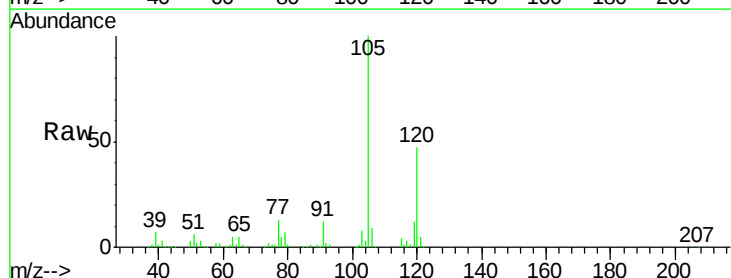
Acq: 14 Aug 2020 17:14

Tgt Ion: 105 Resp: 146342

Ion Ratio Lower Upper

105 100

120 46.7 0.0 92.4



Abundance Ion 105.00 (104.70 to 105.70): VN062928.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN062928.D (-3389) (-)

100000

80000

60000

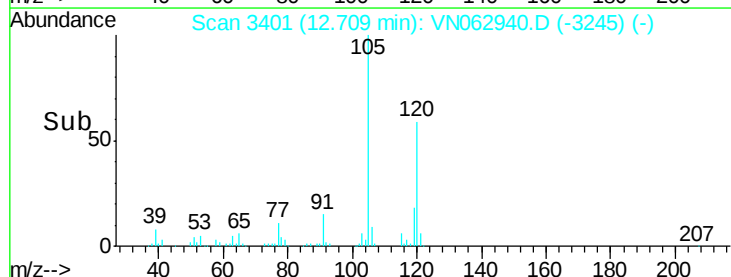
40000

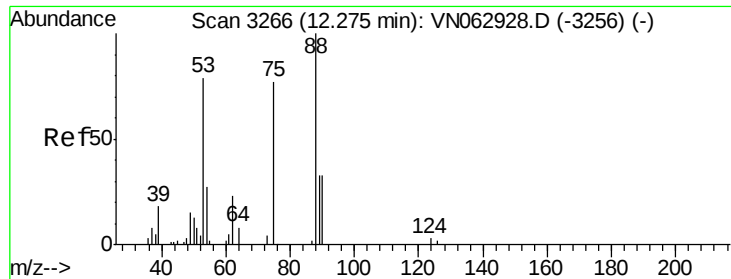
20000

0

12.65 12.70 12.75

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 21.364 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

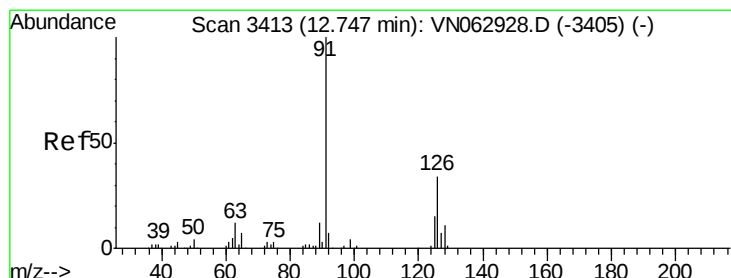
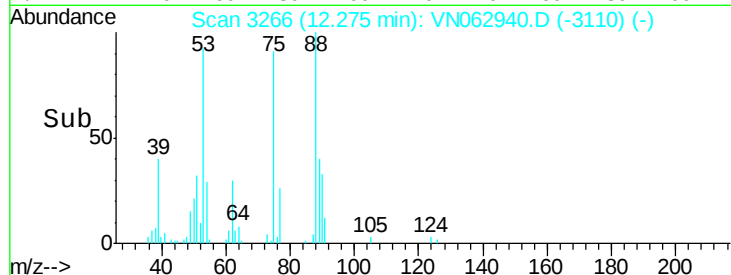
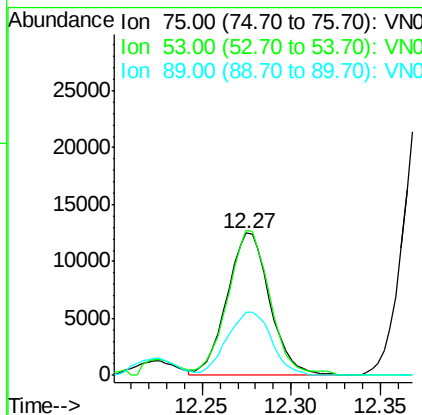
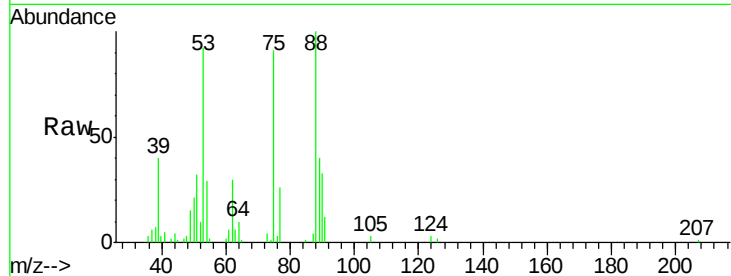
VSTDCCC020EC

Tot Ion:	75	Resp:	20905
Ion	Ratio	Lower	Upper
75	100		
53	101.6	52.3	157.1
89	44.3	23.4	70.3

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#78

4-Chlorotoluene

Concen: 17.772 ug/l

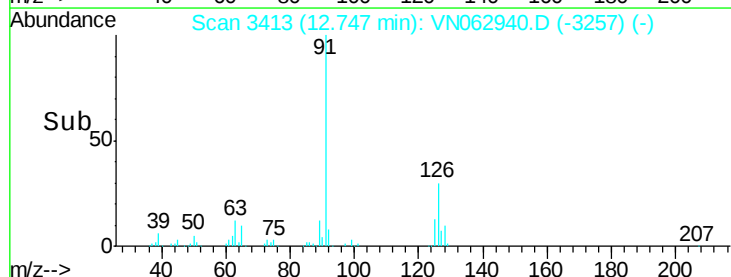
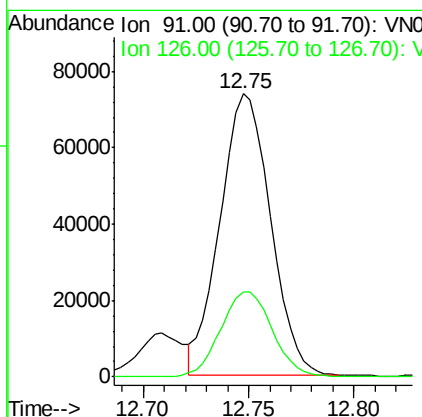
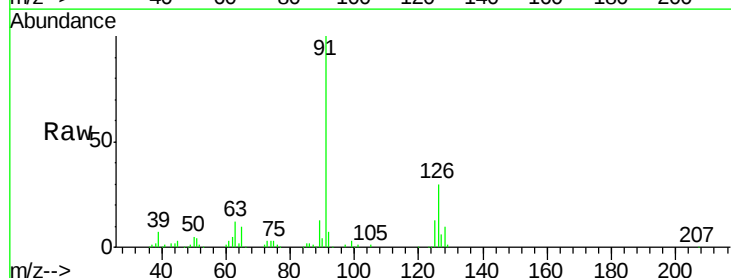
RT: 12.75 min Scan# 3413

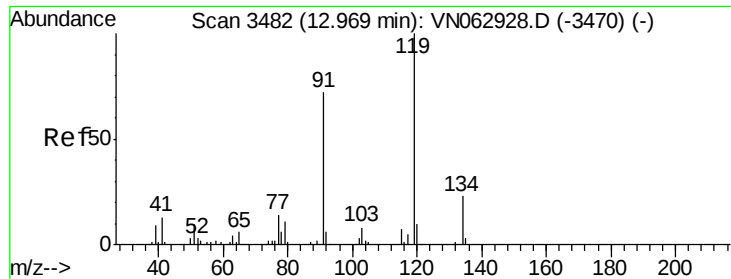
Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Tgt Ion:	91	Resp:	122078
Ion	Ratio	Lower	Upper
91	100		
126	31.1	0.0	63.0





#79
tert-butylbenzene
Concen: 18.188 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

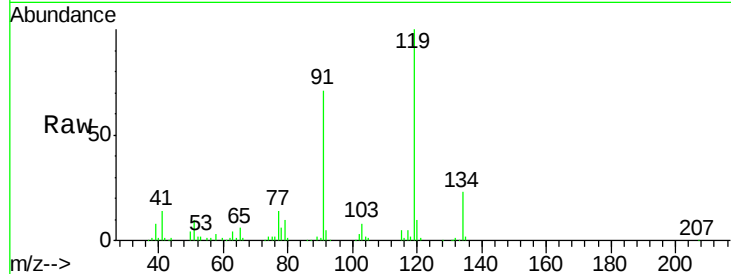
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	124525		
91	69.4	0.0	145.0	
134	22.7	0.0	44.6	

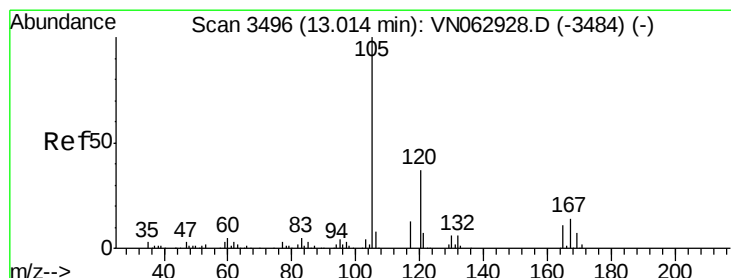
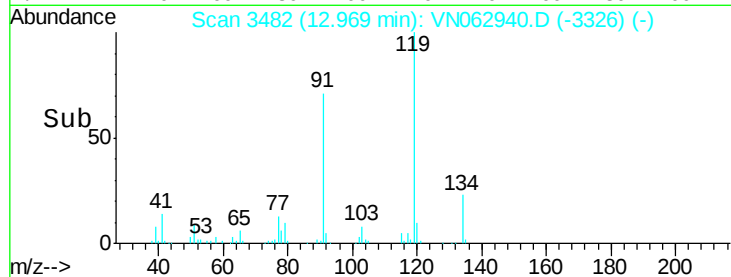
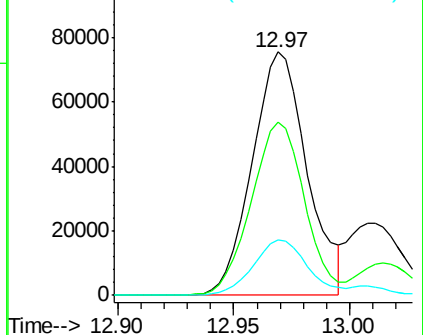
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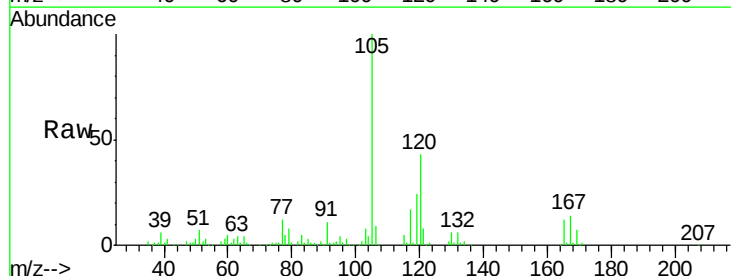


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

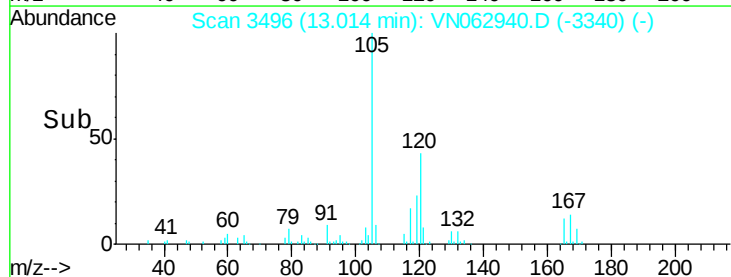
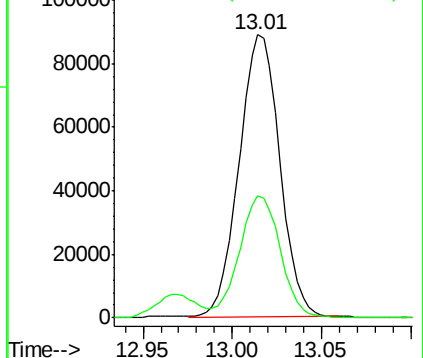


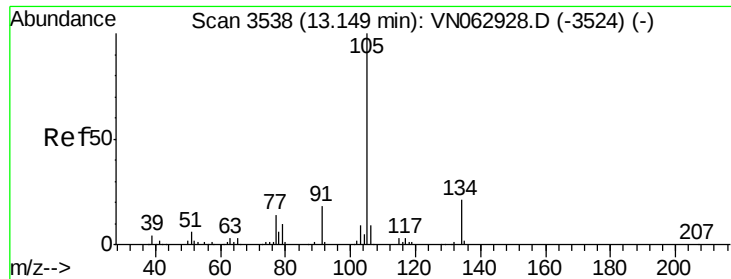
#80
1,2,4-Trimethylbenzene
Concen: 17.435 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	141230		
120	43.4	0.0	86.6	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81
 sec-Butylbenzene
 Concen: 17.686 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

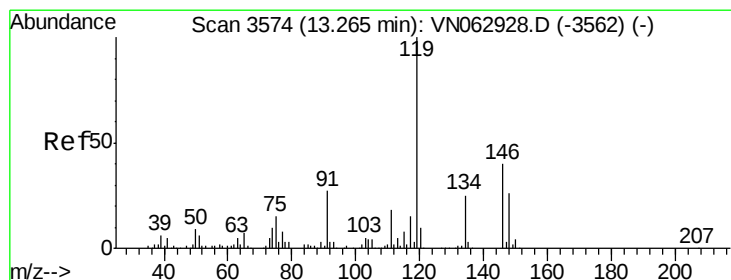
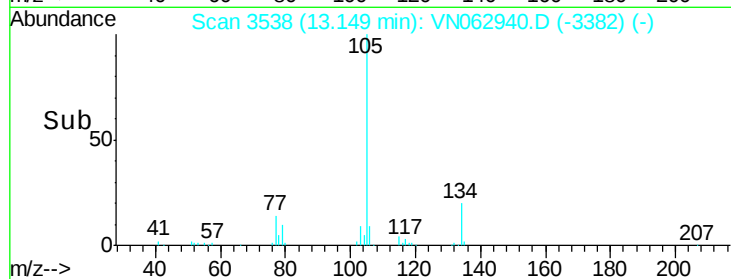
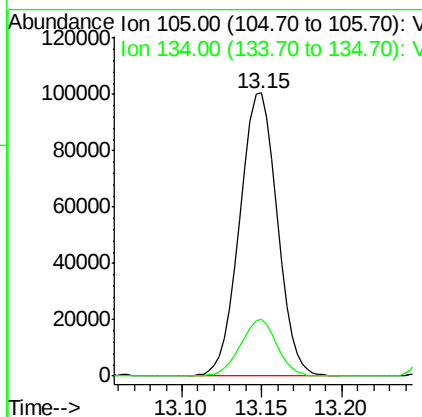
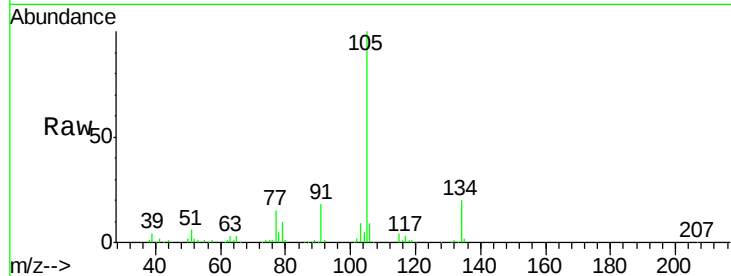
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	159858		
134	19.6	0.0	39.4	

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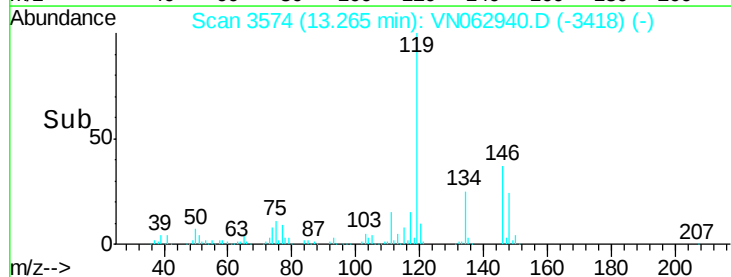
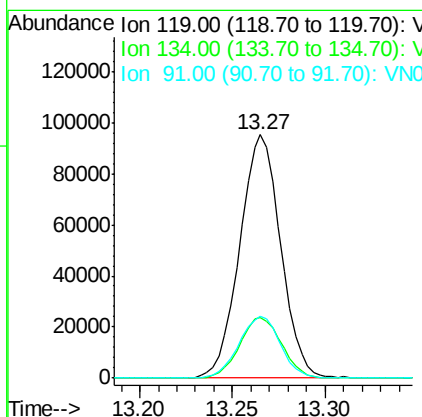
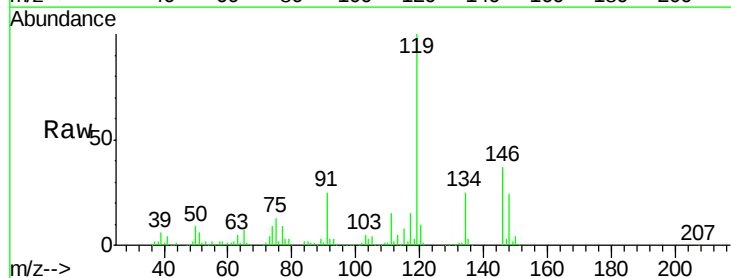
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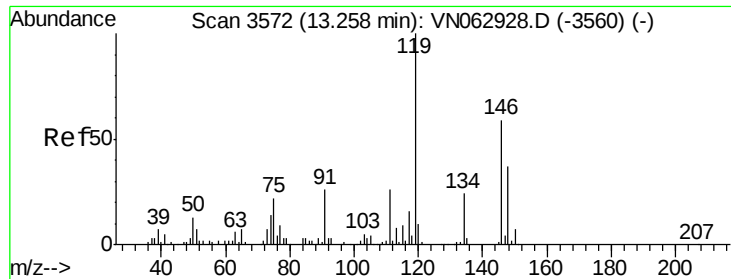
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#82
 p-Isopropyltoluene
 Concen: 18.091 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	146202		
134	25.7	0.0	49.6	
91	25.6	0.0	53.6	





#83
 1,3-Dichlorobenzene
 Concen: 18.360 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

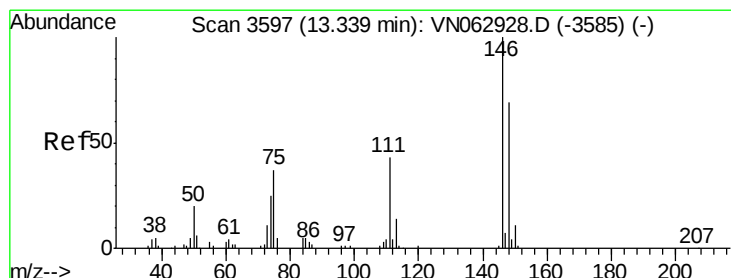
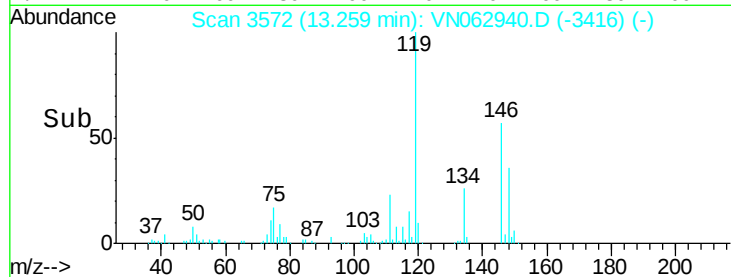
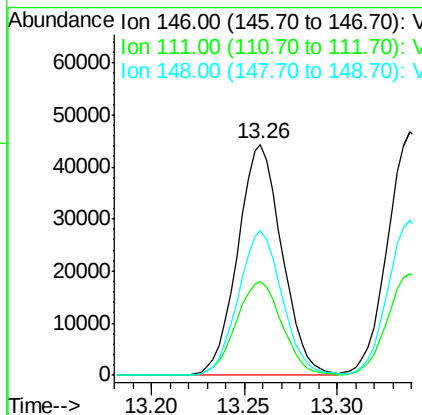
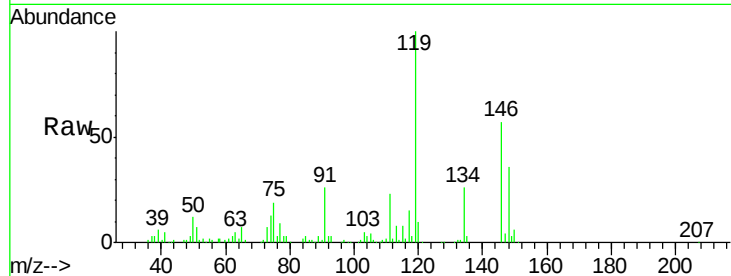
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.4	67.2
148	62.1	31.6	94.7

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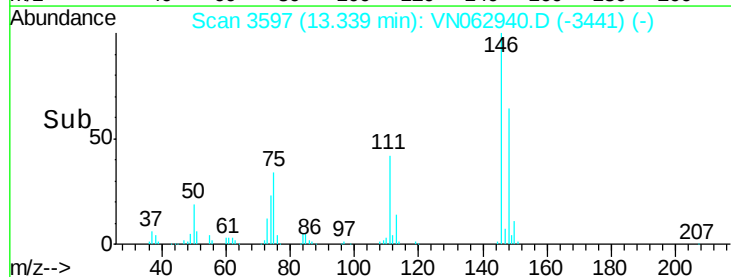
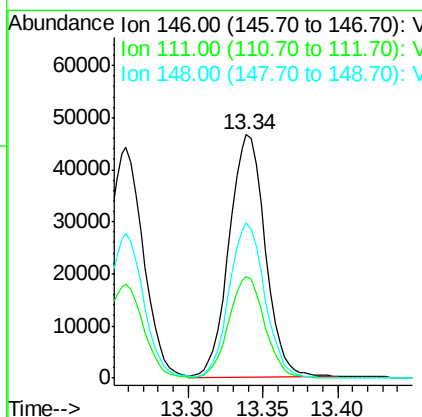
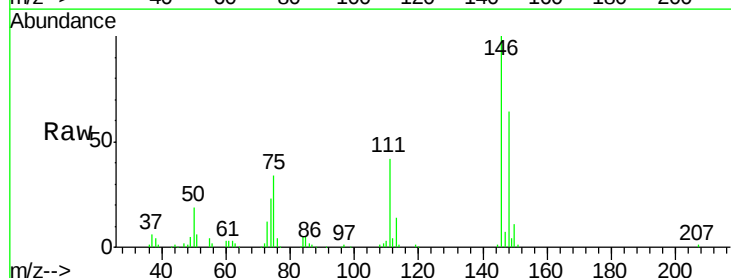
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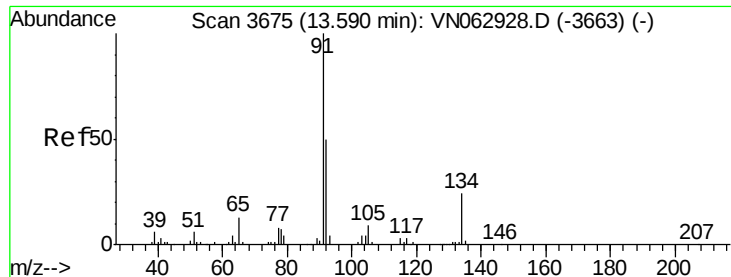
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#84
 1,4-Dichlorobenzene
 Concen: 19.835 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.6	64.8
148	62.8	33.3	99.9





#85
n-Butylbenzene
Concen: 19.482 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

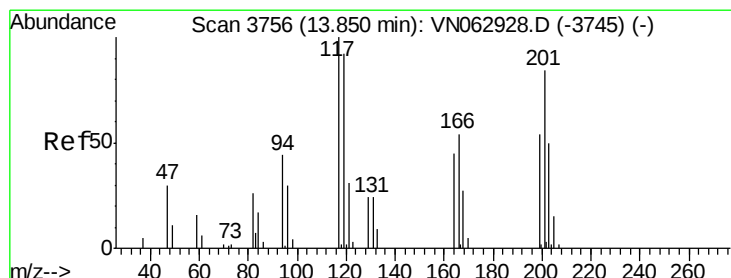
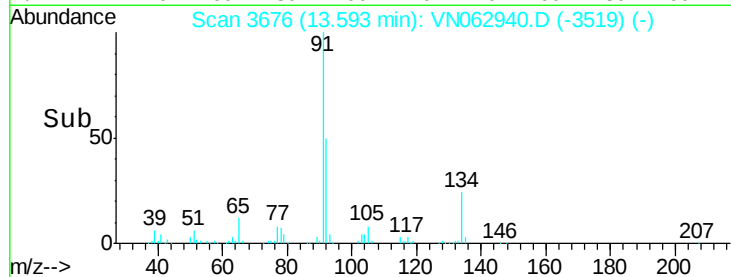
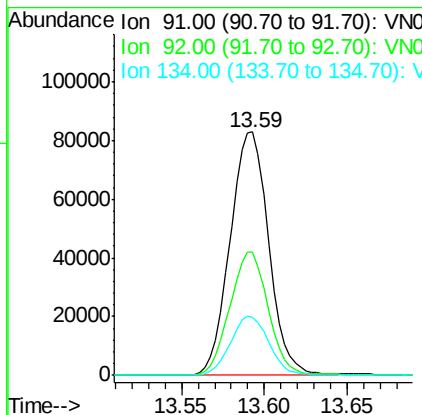
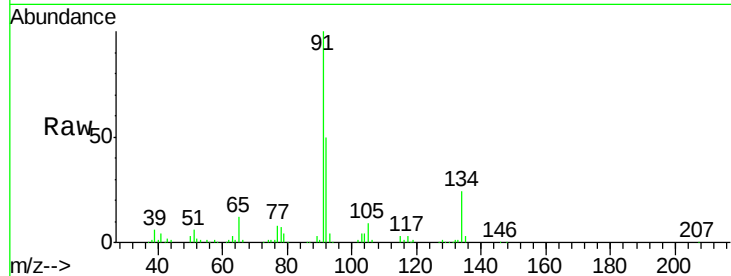
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	91	Resp:	134215
Ion Ratio	Lower	Upper	
91	100		
92	50.3	0.0	97.2
134	24.4	0.0	48.4

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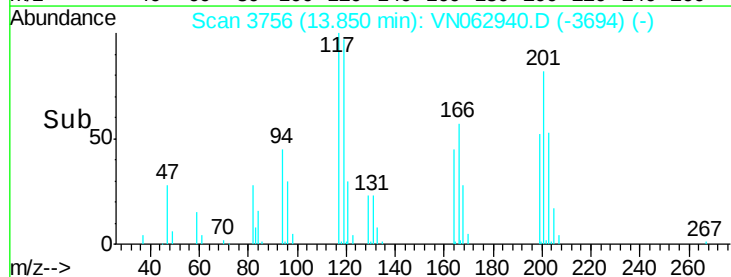
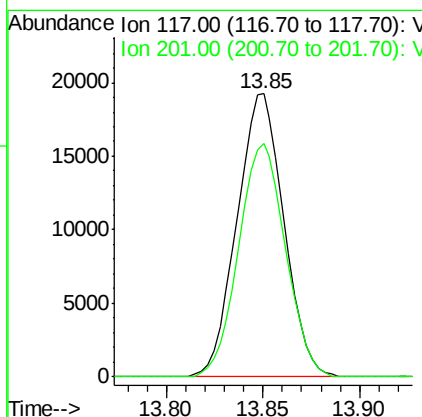
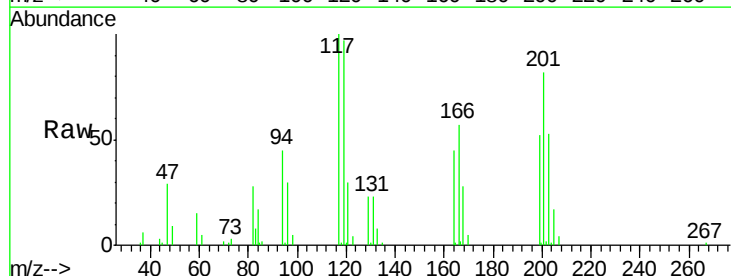
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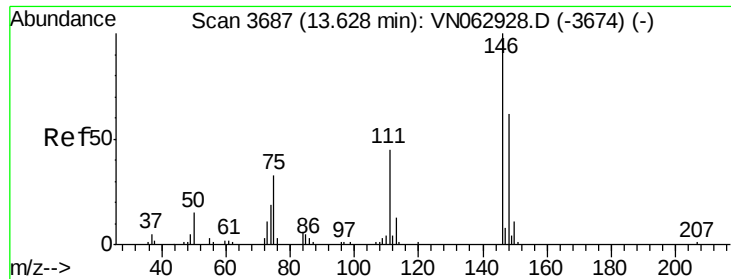
8/17/2020 5:45:11 PM



#86
Hexachloroethane
Concen: 18.535 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion:	117	Resp:	32452
Ion Ratio	Lower	Upper	
117	100		
201	82.4	40.9	122.7





#87

1,2-Dichlorobenzene

Concen: 19.865 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:146 Resp: 82128

Ion Ratio Lower Upper

146 100

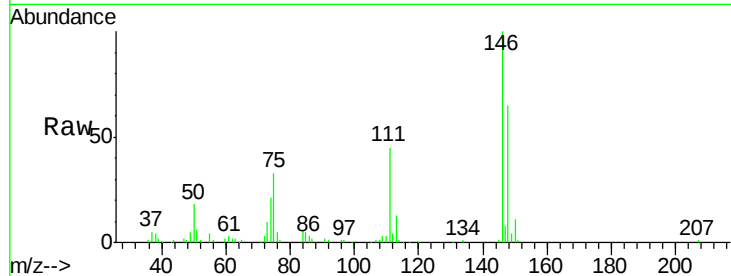
111 44.1 23.3 69.8

148 64.2 31.3 93.8

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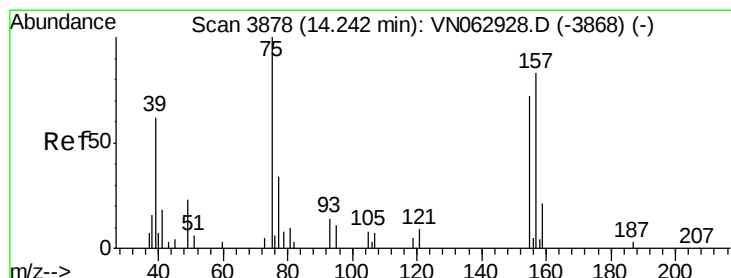
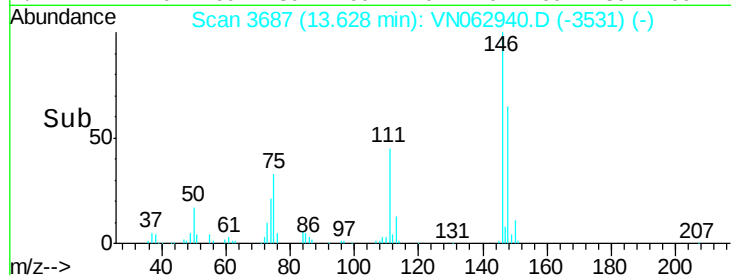
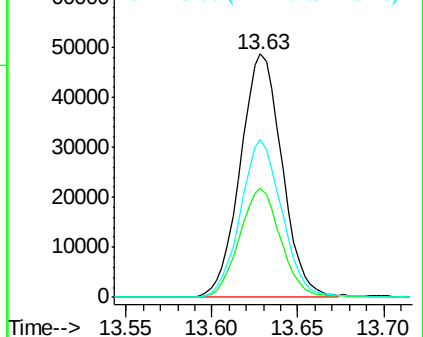
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.283 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN062940.D

Acq: 14 Aug 2020 17:14

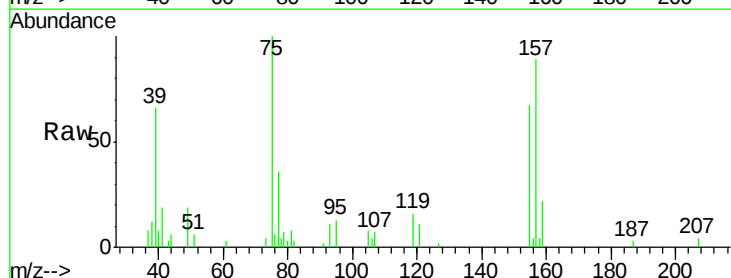
Tgt Ion: 75 Resp: 12508

Ion Ratio Lower Upper

75 100

155 70.7 59.8 89.8

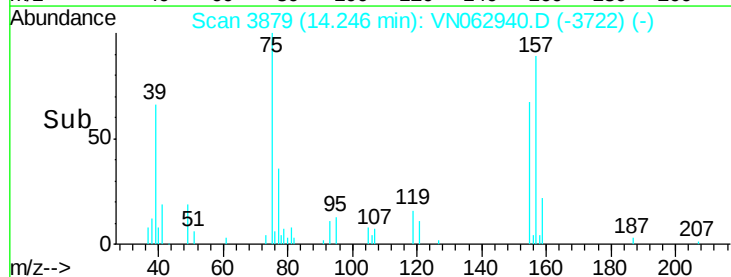
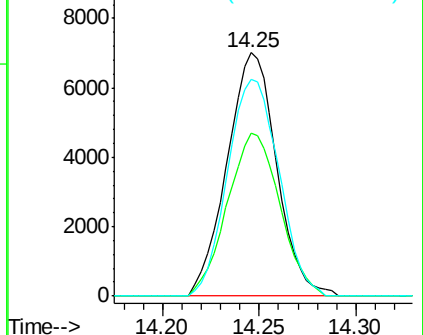
157 92.1 71.6 107.4

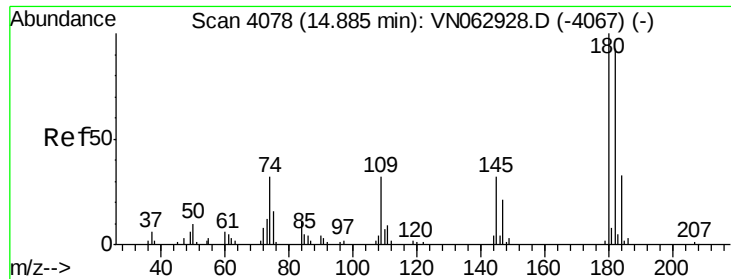


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#89
 1,2,4-Trichlorobenzene
 Concen: 16.057 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

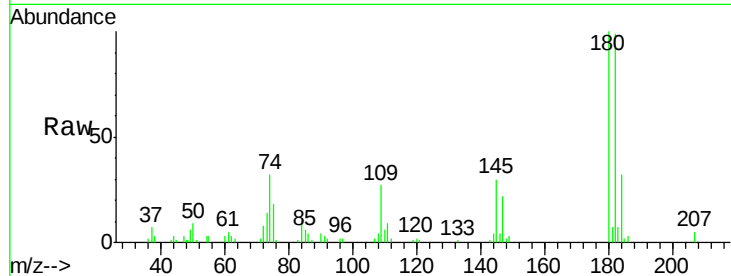
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	180	Resp:	30576
Ion Ratio	Lower	Upper	
180	100		
182	95.8	75.3	112.9
145	32.0	25.4	38.2

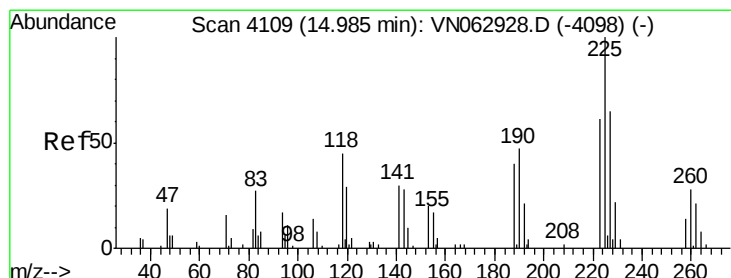
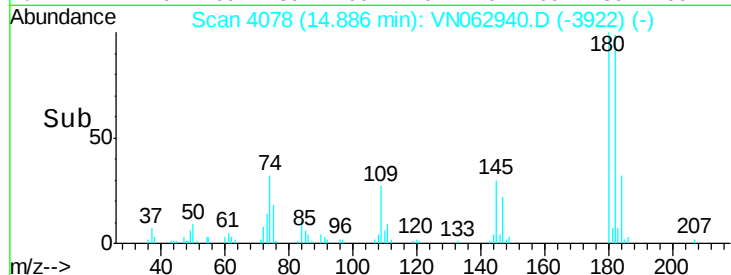
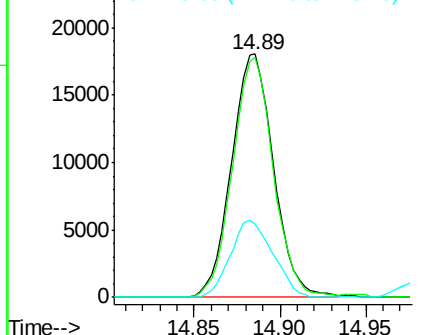
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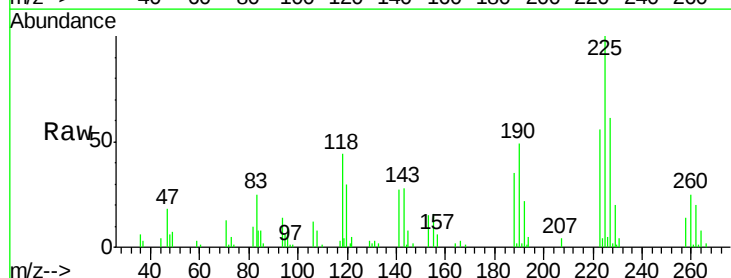


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

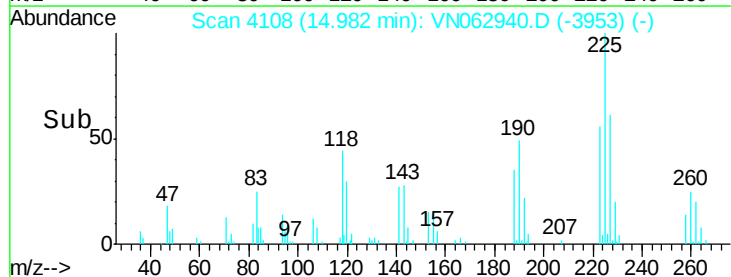
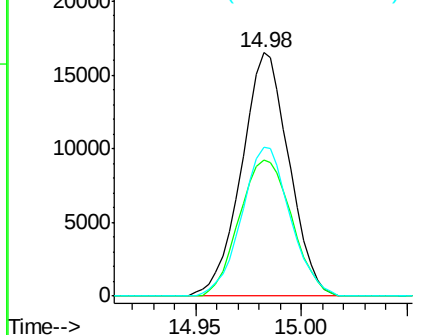


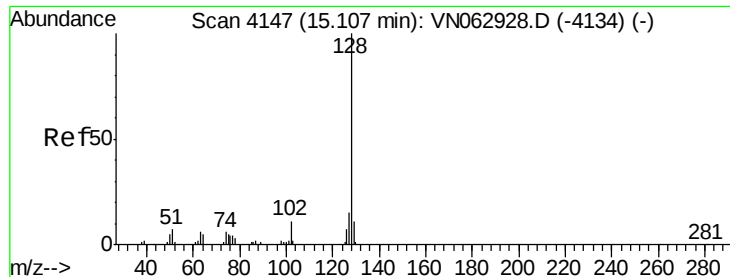
#90
 Hexachlorobutadiene
 Concen: 20.320 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062940.D
 Acq: 14 Aug 2020 17:14

Tgt Ion:	225	Resp:	25851
Ion Ratio	Lower	Upper	
225	100		
223	61.7	0.0	129.8
227	62.5	0.0	133.6



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





#91
Naphthalene
Concen: 14.159 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

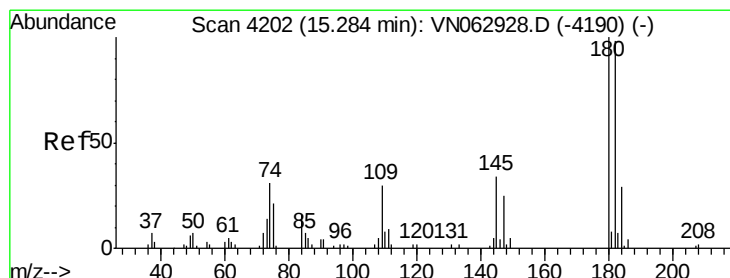
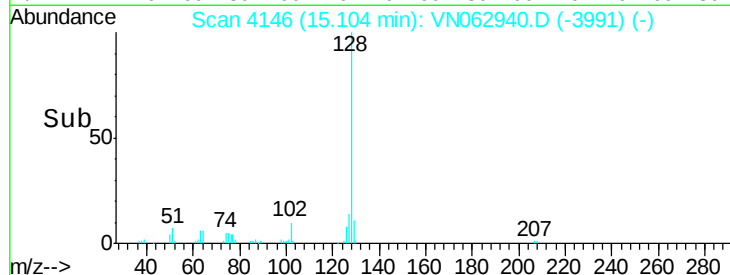
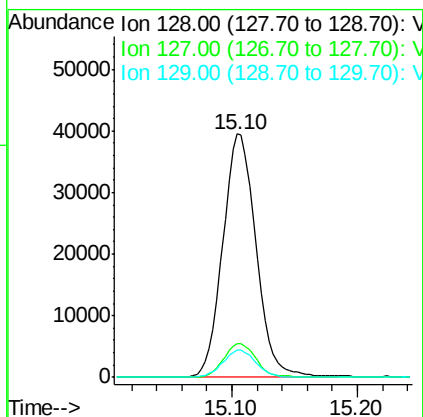
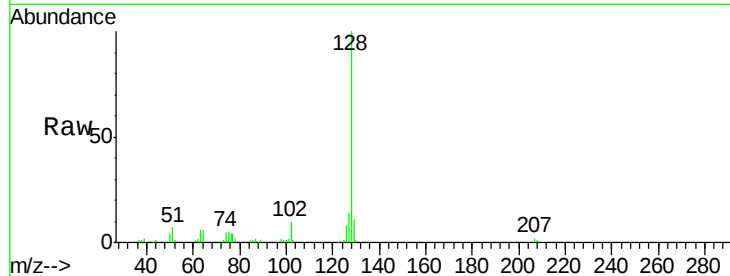
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion:	128	Resp:	72986
Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.6	17.4
129	11.0	8.4	12.6

Manual Integrations
APPROVED

MMDadoda

8/17/2020 5:45:11 PM



#92
1,2,3-Trichlorobenzene
Concen: 15.452 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062940.D
Acq: 14 Aug 2020 17:14

Tgt Ion:	180	Resp:	29463
Ion	Ratio	Lower	Upper
180	100		
182	92.9	0.0	196.4
145	31.7	0.0	71.4

